PROJECT CLYDESDALE

SITE CIVIL PACKAGE

65% DESIGN

08/18/25

TULSA COUNTY, OK

Project # KHA060007903

DELIVERABLE NOTES:

THERE ARE CERTAIN ELEMENTS OF THIS SUBMITTAL THAT ARE NOT IN SYNC WITH THE MASS GRADING AND STORMWATER DESIGN, DUE TO THE TIMING OF THE MILESTONES. THE 65% SPS SET WILL BE UPDATED WITH CURRENT INFORMATION FOR THE MASS GRADING AND STORMWATER AFTER THIS SUBMISSION. THOSE ELEMENTS INCLUDE:

1. THE PSO SUBSTATION PAD HAS CHANGED SHAPE, SIZE AND LOCATION. THIS IMPACTS THE UNDERLYING MASS GRADING FOR THE PAD, THE ASSOCIATED DETENTION PONDS, AND ACCESS ROAD.

2. DC1, DC2, AND THE HUB DETENTION PONDS HAVE GROWN IN SIZE AS A RESULT OF THE MODELING EFFORTS TO ACHIEVE NO RISE DOWNSTREAM.

3. FFE ELEVATIONS HAVE CHANGED IN AN EFFORT TO BETTER BALANCE THE EARTHWORK.

4. AS A RESULT OF DC2 POND GROWING LARGER, THE ROUTING OF THE SANITARY SEWER TO DC2 AND FUTURE DC3 WILL NEED TO BE RECONSIDERED AND CHANGE.

CONFIDENTIAL

THIS DOCUMENT CONTAINS TRADE SECRETS AND COMMERCIAL/FINANCIAL INFORMATION - EXEMPT FROM DISCLOSURE UNDER PUBLIC INFORMATION ACT

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56	1A-C-2311	SITE GEOMETRIC PLAN
57	1A-C-2312	SITE GEOMETRIC PLAN
58	1A-C-2313	SITE GEOMETRIC PLAN
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111	1A-C-3403	STORM SEWER PROFILES
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145	1A-C-4111	EROSION CONTROL PLAN PHASE 1
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149	1A-C-4118	EROSION CONTROL PLAN PHASE 1
150	1A-C-4119	EROSION CONTROL PLAN PHASE 1
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153	1A-C-4122	EROSION CONTROL PLAN PHASE 1
154	1A-C-4125	EROSION CONTROL PLAN PHASE 1
155	1A-C-4126	EROSION CONTROL PLAN PHASE 1
156	1A-C-4127	EROSION CONTROL PLAN PHASE 1
157	1A-C-4128	EROSION CONTROL PLAN PHASE 1
158	1A-C-4129	EROSION CONTROL PLAN PHASE 1
159	1A-C-4130	EROSION CONTROL PLAN PHASE 1
160	1A-C-4132	EROSION CONTROL PLAN PHASE 1
161	1A-C-4133	EROSION CONTROL PLAN PHASE 1
162	1A-C-4134	EROSION CONTROL PLAN PHASE 1
163	1A-C-4135	EROSION CONTROL PLAN PHASE 1
164	1A-C-4136	EROSION CONTROL PLAN PHASE 1
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196	1A-C-4234	EROSION CONTROL PLAN PHASE 2
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211	1A-C-5113	SANITARY SEWER PLAN
212	1A-C-5114	SANITARY SEWER PLAN
213	1A-C-5115	SANITARY SEWER PLAN
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215	1A-C-5122	SANITARY SEWER PLAN
216	1A-C-5128	SANITARY SEWER PLAN
217	1A-C-5129	SANITARY SEWER PLAN
218	1A-C-5136	SANITARY SEWER PLAN
219	1A-C-5201	SANITARY SEWER PROFILES
220	1A-C-5202	SANITARY SEWER PROFILES
221	1A-C-5203	SANITARY SEWER PROFILES
222	1A-C-5204	SANITARY SEWER PROFILES
223	1A-C-5205	SANITARY SEWER PROFILES
224	1A-C-5206	SANITARY SEWER PROFILES
225	1A-C-5207	SANITARY SEWER PROFILES
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235	1A-C-6106	WATER PLAN
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237	1A-C-6112	WATER PLAN
238	1A-C-6113	WATER PLAN
239	1A-C-6119	WATER PLAN
240	1A-C-6127	WATER PLAN
241	1A-C-6204	FIRE WATER PLAN
242	1A-C-6205	FIRE WATER PLAN
243	1A-C-6212	FIRE WATER PLAN
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245	1A-C-6304	PROCESS WATER PLAN
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277	1A-C-7113	MISCELLANEOUS UTILITIES PLAN
278	1A-C-7119	MISCELLANEOUS UTILITIES PLAN
279	1A-C-7120	MISCELLANEOUS UTILITIES PLAN
280	1A-C-7121	MISCELLANEOUS UTILITIES PLAN
281	1A-C-7122	MISCELLANEOUS UTILITIES PLAN
282	1A-C-7123	MISCELLANEOUS UTILITIES PLAN
283	1A-C-7127	MISCELLANEOUS UTILITIES PLAN
284	1A-C-7129	MISCELLANEOUS UTILITIES PLAN
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295	1A-C-8112	COMPOSITE UTILITIES PLAN
296	1A-C-8113	COMPOSITE UTILITIES PLAN
297	1A-C-8114	COMPOSITE UTILITIES PLAN
298	1A-C-8115	COMPOSITE UTILITIES PLAN
299	1A-C-8119	COMPOSITE UTILITIES PLAN
300	1A-C-8120	COMPOSITE UTILITIES PLAN
301	1A-C-8121	COMPOSITE UTILITIES PLAN
302	1A-C-8122	COMPOSITE UTILITIES PLAN
303	1A-C-8123	COMPOSITE UTILITIES PLAN
304	1A-C-8127	COMPOSITE UTILITIES PLAN
305	1A-C-8128	COMPOSITE UTILITIES PLAN
306	1A-C-8129	COMPOSITE UTILITIES PLAN
307	1A-C-8133	COMPOSITE UTILITIES PLAN
308	1A-C-8134	COMPOSITE UTILITIES PLAN
309	1A-C-8135	COMPOSITE UTILITIES PLAN
310	1A-C-8136	COMPOSITE UTILITIES PLAN
311	1A-C-8137	COMPOSITE UTILITIES PLAN
312	1A-C-8143	COMPOSITE UTILITIES PLAN

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

TITLE SHEET AND DRAWING INDEX

SCALE: N/A

SHEET NUMBER:
1A-C-0000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-0000 TITLE SHEET AND DRAWING INDEX 8/15/2025 3:01 PM

KH GENERAL NOTES

OVERALL:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, COUNTY STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE COUNTY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
2. THE CONTRACTOR SHALL COMPLY WITH COUNTY "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE COUNTY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES, THEN THE MORE RESTRICTIVE SHALL APPLY.
3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
5. THE EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY THE PROJECT SURVEYOR, AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES FOUND TO THE OWNER AND ENGINEER IMMEDIATELY.
7. THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION. THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING.
9. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO CONSTRUCTING ANY PORTION OF THE SITE OR IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL.
10. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ARCHITECT, ENGINEER, AND IF APPLICABLE THE COUNTY AND OWNER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE COUNTY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
11. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
13. CONTRACTOR SHALL CALL OKLAHOMA 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
14. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC AND PRIVATE UTILITIES.
15. THE LOCATIONS, ELEVATIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY MAPS AND PLANS, AND ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF ALL UTILITIES AFFECTED BY CONSTRUCTION IN ADVANCE OF CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE ENGINEER SHALL BE NOTIFIED WHEN A PROPOSED IMPROVEMENT CONFLICTS WITH AN EXISTING UTILITY.
16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE, RELOCATING EXISTING POLES AND GUY WIRES THAT ARE LOCATED IN PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE PROPOSED GRADE OR CROSSING WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AT THIS TIME AND NOT SHOWN ON THESE PLANS.
17. CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED.
18. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION, AND SERVICE TO THE PROPOSED DEVELOPMENT.
19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS' FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE INTERFERENCE WITH EXISTING UTILITIES OR STRUCTURES. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
20. BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR, WITH NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE PAY ITEM.
21. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND APPROVALS, PRIOR TO CONSTRUCTION.
23. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND ADDENDA, PROJECT AND COUNTY SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
24. ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE.
25. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
26. CONTRACTOR SHALL ARRANGE FOR REQUIRED COUNTY INSPECTIONS.
27. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
28. ALL SYMBOLS SHOWN ON THESE PLANS OF FIRE HYDRANT, METERS, VALVES, INLETS, ETC....) ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE. CONTRACTOR SHALL COORDINATE FINAL SIZES AND LOCATIONS WITH APPROPRIATE COUNTY INSPECTOR.
29. THE SCOPE OF WORK FOR THE CIVIL IMPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. REFERENCE THE BUILDING PLANS (E.G. ARCHITECTURAL, STRUCTURAL, MEP) FOR AREAS WITHIN 5-FEET OF THE BUILDING AND WITHIN THE BUILDING FOOTPRINT.
30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS.
31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (KH) BY THE PROJECT ARCHITECT AT THE TIME THESE PLANS WERE PREPARED. IT MAY NOT BE THE FINAL CORRECT VERSION BECAUSE THE BUILDING DESIGN WAS ONGOING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING CORRECT VERSION OF THE BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS AND/OR COORDINATES SHOWN ON THESE PLANS WERE BASED ON THE ABOVE STATED ARCHITECTURAL PLANS, AND ARE THEREFORE A PRELIMINARY LOCATION OF THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERIFY WHAT PART OF THE BUILDING THE ARCHITECT'S FOOTPRINT REPRESENTS (E.G. SLAB, OUTSIDE WALL, MASONRY LEDGE, ETC.....) AND TO CONFIRM ITS FINAL POSITION ON THE SITE BASED ON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL DIMENSION THE SITE PLAN, SURVEY BOUNDARY AND/OR PLAT. ANY DIFFERENCES FOUND SHALL BE REPORTED TO KH IMMEDIATELY.
32. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA.
33. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE COUNTY INSPECTOR AND COMPLY WITH COUNTY STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.
34. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING AGENCY.
35. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND COUNTY SPECIFICATIONS.
36. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING. IF NONE IS CURRENTLY EXISTING.
37. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
38. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, WELLS, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
39. THE CONTRACTOR SHALL SAFELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC.... TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
40. ALL AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER, INCLUDING AS NECESSARY GRADING, LANDSCAPING, CULVERTS, AND PAVEMENT.
41. THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC... THAT ARE TO BE RELOCATED DURING CONSTRUCTION.
42. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
43. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA, TO THE COUNTY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH COUNTY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE COUNTY.
44. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
45. SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
46. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
47. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.
48. CONTRACTOR OFFICE AND STAGING AREA SHALL BE AGREED ON BY THE OWNER AND COUNTY PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS.
49. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MUTCD STANDARDS.
51. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING.
52. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE COUNTY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF THEIR REQUIREMENTS.
54. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE COUNTY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
55. CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, AS REQUIRED BY THE COUNTY AND ENGINEER FOR REVIEW.
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND COUNTY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.

EROSION CONTROL

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO CONSTRUCTION ACTIVITIES BROUGHT.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE ODEQ FOR SITE DISCHARGE
3. THIS SITE IS CONSIDERED A HIGH PRIORITY SITE BY ODEQ AND THE CONTRACTOR SHALL IMPLEMENT ALL REQUIRED MEASURES REQUIRED FOR A HIGH PRIORITY SITE. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE.
4. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.
5. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE.
6. CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REASON FOR EACH BMP INSTALLED/REMOVED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE.
7. AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET. REFER TO APPROVED DETAILS.
8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED.
9. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING.
10. CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE EROSION CONTROL DEVICES DO NOT EFFECTIVELY CONTAIN SEDIMENT, ADDITIONAL DEVICES SHALL BE PROVIDED WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
11. OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED PART OF THE PROJECT SITE AND MUST COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMP'S TO CONTROL EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AND EROSION CONTROL PLAN TO INCLUDE BMPS FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED AND SHOWN ON THE EROSION CONTROL PLANS.
12. ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER RUNOFF. IF NO SPECIFIC MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OR ENCIRCLING THE AREA WITH AN APPROPRIATE BARRIER.
13. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPS, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEKLY AND WITHIN 24 HOURS OF ALL RAINFALL EVENTS OF 0.5 INCHES OR GREATER, AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE. TO VERIFY THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY.
14. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH COUNTY SPECIFICATIONS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AND THAT NO SEDIMENT IS TRACKED OFF SITE.
15. SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE REMOVED IMMEDIATELY.
16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS THAT ARE A RESULT OF SITE CONSTRUCTION, AS REQUESTED BY OWNER AND COUNTY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE OFF-SITE ROADWAYS.
17. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP.
18. CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 10 ACRES, PER ODEQ AND COUNTY STANDARDS. IF NO ENGINEERED DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE PLANS, THEN THE CONTRACTOR SHALL ARRANGE FOR AN APPROPRIATE DESIGN TO BE PROVIDED.
19. ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE RESPONSIBLE CONTRACTOR.
20. WHEN SEDIMENT OR DIRT HAS CLOGGED THE CONSTRUCTION ENTRANCE VOID SPACES BETWEEN STONES OR DIRT IS BEING TRACKED ONTO A ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION SHALL NOT DISCHARGE DIRECTLY FROM THE SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL SEDIMENTATION. PERIODIC RE-GRADING OR NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFECTIVENESS OF THE CONSTRUCTION ENTRANCE.
21. TEMPORARY SEEDING OR OTHER APPROVED STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE OF AREA. UNLESS ADDITIONAL CONSTRUCTION IN THE AREA IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
22. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL, AND TRASH AS CONSTRUCTION PROGRESSES.
23. UPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS ACHIEVED WHEN THE AREA IS EITHER COVERED BY PERMANENT IMPERVIOUS STRUCTURES, SUCH AS BUILDINGS, SIDEWALK, PAVEMENT, OR A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED.
24. AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREDGED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

STORM WATER DISCHARGE AUTHORIZATION:

1. CONTRACTOR SHALL COMPLY WITH ALL ODEQ AND EPA STORM WATER POLLUTION PREVENTION REQUIREMENTS.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE ODEQ GENERAL PERMIT TO DISCHARGE.
3. THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SUBMIT A NOI TO ODEQ AT LEAST SEVEN DAYS PRIOR TO COMMENCING CONSTRUCTION (IF APPLICABLE), OR IF UTILIZING ELECTRONIC SUBMITTAL, PRIOR TO COMMENCING CONSTRUCTION. ALL PRIMARY OPERATORS SHALL PROVIDE A COPY OF THE SIGNED NOI TO THE OPERATOR OF ANY MS4 (TYPICALLY THE COUNTY) RECEIVING DISCHARGE FROM THE SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE, INCLUDING POSTING SIGNAGE NOTICE, INSPECTIONS, DOCUMENTATION, AND SUBMISSION OF ANY INFORMATION REQUIRED BY THE ODEQ AND EPA (E.G. NOI).
5. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN THE CERTIFICATION STATEMENT ON THE CERTIFICATION AND ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
6. A COPY OF THE SWPPP, INCLUDING NOI, SITE NOTICE, CONTRACTOR CERTIFICATIONS, AND ANY REVISIONS, SHALL BE SUBMITTED TO THE COUNTY BY THE CONTRACTOR AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
7. A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO ODEQ BY ANY PRIMARY OPERATOR WITHIN 30 DAYS AFTER ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY STRUCTURES, A TRANSFER OF OPERATIONAL CONTROL HAS OCCURRED, OR THE OPERATOR HAS OBTAINED ALTERNATIVE AUTHORIZATION UNDER A DIFFERENT PERMIT. A COPY OF THE NOT SHALL BE PROVIDED TO THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE.

DEMOLITION:

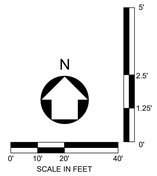
1. KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
2. KH DOES NOT WARRANT OR GUARANTEE THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES, THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN IN THE EXACT LOCATION AS THEY CAN BE RECEIVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ACTUAL EXTENT AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES. THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR, NOTHING MORE. THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS AND THE PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW THE FOLLOWING REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN:
   a. ENVIRONMENTAL SITE ASSESSMENT PROVIDED BY THE OWNER.
   b. ASBESTOS BUILDING INSPECTION REPORT(S) PROVIDED BY THE OWNER,
   c. GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
   d. OTHER REPORTS THAT ARE APPLICABLE AND AVAILABLE.
4. CONTRACTOR SHALL CONTACT THE OWNER TO VERIFY WHETHER ADDITIONAL REPORTS OR AMENDMENTS TO THE ABOVE CITED REPORTS HAVE BEEN PREPARED AND TO OBTAIN/REVIEW/AND COMPLY WITH THE RECOMMENDATION OF SUCH STUDIES PRIOR TO STARTING ANY WORK ON THE SITE.
5. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICABLE REGULATIONS, RECEIVE THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY.
6. KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE DEMOLISHED AND REMOVED.
7. SURFACE FEATURES SHOWN ON THE SURVEY SUCH SIDEWALK, ASPHALT EDITION
8. ANY COMPONENTS OF THE PROJECT SUBJECT TO RESIDENTIAL USE SHALL ALSO CONFORM TO THE FAIR HOUSING ACT, AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
9. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION
10. CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS.
11. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL COMPLY WITH OWNER STANDARDS.
12. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN REQUIREMENTS FOR PRIVATE PAVEMENT.
13. REFER TO COUNTY STANDARD DETAILS AND SPECI

ABBREVIATION WORD

A	
&	AND
@	AT
A	AREA
AGGR	AGGREGATE
APPD	APPROVED
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
ASPH	ASPHALT
AUTH	AUTHORIZED
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH
B	
B/	BOTTOM OF
BC	BOTTOM CHORD
BDY	BOUNDARY
BES	BEVELED END SECTION
BET.	BETWEEN
BFV	BUTTERFLY VALVE
BL	BASE LINE
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
BP	BOOSTER PUMP
BPS	BOOSTER PUMP STATION
BPT	BOOSTER PUMP TANK
BRDG	BRIDGE
BRG	BEARING
BRK	BREAK
BS	BOTH SIDES
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
C	
C to C	CENTER TO CENTER
CALC	CALCULATE
CAT.	CATALOG
CB	CATCH BASIN
CC	CUBIC CENTIMETER
CD	CORD
CEM	CEMENT
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CG	CENTER OF GRAVITY
CHAM	CHAMFER
CHAN	CHANNEL
CHD	CHORD
CHK	CHECK
CI	CURB INLET
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIR	CIRCULAR
CIRC	CIRCUMFERENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CO	CLEANOUT
CO	COMPANY
COL	COLUMN
COMB.	COMBINATION
CONC	CONCRETE
COND	CONDITION
CONN	CONNECT
CONT	CONTINUOUS
CORP	CORPORATION
CR	CROSS
CTB	CHEMICAL TREATMENT BUILDING
CTD	COATED
CTR	CENTER
CU	CUBIC
CU FT	CUBIC FOOT
CU IN.	CUBIC INCH
CU M	CUBIC METER
CU YD	CUBIC YARD
CUR	CURRENT
CV	CHECK VALVE
CW	CLOCKWISE
XSECT	CROSS SECTION
D	
DBC	DRAIN BASIN COVER
DBG	DRAIN BASIN GRATE
DEC	DECIMAL
DEG (OR °)	DEGREE
DEPT	DEPARTMENT
DET	DETAIL
DEV	DEVELOP
DFTG	DRAFTING
DI	DROP INLET
DI	DUCTILE IRON
DIA (OR ?)	DIAMETER
DIAG	DIAGONAL
DIM.	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIST	DISTANCE
DN	DOWN
DO	DITTO
DSGN	DESIGN
DWG	DRAWING
E	
E	EAST
EA	EACH
EF	EACH FACE
EFF	EFFECTIVE
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION
ELL	ELBOW
ENGR	ENGINEER
EQ	EQUAL
EQUIP. (OR EQ)	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
EST	ESTIMATE
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	
F to F	FACE TO FACE
FDC	FIRE DEPARTMENT CONNECTION
FDN	FORWARD
FES	FLARED END SECTION
FF	FINISH
FH	FINISH FLOOR
FIG.	FIGURE
FIN.	FILTER
FL	FLANGE
FLD	FIELD
FLG	FIRE HYDRANT
FLT	FILLET
FM	FOUNDATION
FP	FRONT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FR	FREQUENCY
FREQ	FORCEMAIN
FRP	FIBERGLASS REINFORCED
FT (OR ')	PLASTIC
FWD	FEET
FWV	FLOWLINE
	FIRE WATER VALVE
G	
G	GRAVITY
GAL	GALLON
GALV	GALVANIZE
GEN	GENERATOR
GH	GROUND HYDRANT
GL	GRADE LINE
GPS	GENERATOR PARALLELING SYSTEM SWITCHGEAR
GR	GRADE
GRD	GROUND
H	
HDPE	HIGH DENSITY POLYETHYLENE
HECP	HORIZONTAL ELLIPTICAL CONCRETE PIPE
HOR	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HW	HEADWALL
HYD	HYDRAULIC
I	
I	IRON
ID	INSIDE DIAMETER
IF	INSIDE FACE
IINT	INTERSECT
IN. (OR ")	INCH
INCL	INCLUDE
IND	INDUSTRIAL
INFO	INFORMATION
INV	INVERT
IPS	INCHES PER SECOND
J	
JB	JUNCTION BOX
JCT	JUNCTION
L	
LAT	LATITUDE
LB (OR #)	POUND
LT	LEFT
L.P.	LOW POINT
M	
M	METER
MAN.	MANUAL
MATL	MATERIAL
MAX	MAXIMUM
MCP	MODULAR COOLING PLANT
MDA	MAIN DISTRIBUTION AREA
MDC	MAIN DISTRIBUTION - CRITICAL
MECH	MECHANICAL
MED	MEDIAN
MET.	METAL
MFR	MANUFACTURE
MH	MANHOLE
MI	MILES
MIN	MINIMUM
MIN (OR ')	MINUTE
MISC	MISCELLANEOUS
MOD	MODEL
MPH	MILE PER HOUR
MULT	MULTIPLE
MUWT	MAKE UP WATER TANK
N	
N	NORTH
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO. (OR #)	NUMBER
NOM	NEUTRAL
NOR	NORMAL
NTS	NOT TO SCALE
O	
O/C	ON CENTER
O/S	OFFSET
OA	OVERALL
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OHP	OVERHEAD POWER
OPNG	OPENING
OPP.	OPPOSITE
ORIG	ORIGINAL
OVF	OVERFLOW
P	
PCO	PRESSURE CLEANOUT
PCW	PROCESS CHILLED WATER
PE	PIPE END
PERM	PERMANENT
PERP	PERPENDICULAR
PF	PROFILE
PFD	PREFERRED
PL	PROPERTY LINE
PMPT	PUMP HOUSE TURBO
PREP	PREPARE
PRESS.	PRESSURE
PROC	PROCESS
PROD	PRODUCTION
PROJ	PROJECT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PV	PLUG VALVE
PVI(E/S)	POINT OF VERTICAL INTERSECTION (ELVA. STA)
PWR	POWER
R	
R	REDUCER
RR	RESTROOM
RECD	RECEIVED
REC.	RECORD
REF	REFERENCE
REF L	REFERENCE LINE
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
REM	REMOVE
REQ	REQUIRE
REQD	REQUIRED
REV	REVISION(REVISED)
RJ	RESTRAINED JOINT
RRMP	RAILROAD MILE POST
RT	RIGHT
RH	RIGHT HAND
R/W	RIGHT OF WAY
S	
S	SOUTH
SCH	SCHEDULE
SD	STORM DRAIN
SEC (OR ")	SECOND
SECT	SECTION
SHW	STRAIGHT HEADWALL
SIM	SIMILAR
SL	SEA LEVEL
SQ	SQUARE
SS	SANITARY SEWER
SSS	SECONDARY SUBSTATION SWITCHGEAR
STA	STATION
STD	STANDARD
SUR	SURFACE
SW	SIDEWALK
SY	SQUARE YARD
SYM	SYMBOL
T	
KIP	THOUSAND POUND
T/	TOP OF
TAN.	TANGENT
THK	THICK
TMH	TELECOMM MANHOLE
TOS	TOP OF STOOP/SLAB
TOT	TOTAL
TPR	TAPER
TYP	TYPICAL
U	
U	UNIT
UNO	UNLESS NOTED OTHERWISE
UG	UNDERGROUND
USS	UNIT SUBSTATION
UTC	gCUB PIPE CORRIDOR
V	
V	VALVE
VAR	VARIABLE
VERT	VERTICAL
VOL	VOLUME
W	
W	WEST
W	WIDTH
W/	WITH
WT	WEIGHT
Y	
YD	YARD
YH	YARD HYDRANT
YI	YARD INLET
YR	YEAR

GENERAL SYMBOLOGY

NORTH ARROW & SCALE



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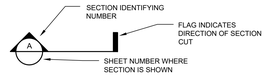
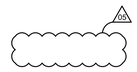


REVISION CLOUD AND DELTA SYMBOL



DETAIL VIEW TITLE



* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-).
1) FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS.
2) SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET WHERE THEY ARE CUT OR CALLED OUT ON.

KEY NOTES



HATCHES

	LIGHT DUTY ASPHALT		HEAVY DUTY ASPHALT
	HEAVY DUTY PCC		REINFORCED CONCRETE
	BUILDING		CONCRETE SLAB-ON-GRADE
	8" GRAVEL SURFACING		CONTAINMENT AREA
	EGRESS/EQUIPMENT PAD		CONCRETE SIDEWALK
	SECURITY PATH		REINFORCED GRAVEL ROADWAY
	EROSION CONTROL BLANKET		STABILIZED CONSTRUCTION ENTRANCE
	RIP RAP OUTLET PROTECTION		ROCK CHECK DAM
	HIGHWAY EASEMENT		UTILITY EASEMENT
	REMOVAL (PLACE THIS HATCH OVER THE ITEM THAT IS TO BE REMOVED)		WETLAND
	100-YR FLOODPLAIN		GRASS

STRUCTURE/FITTING/APPURTENANCES NAMING CONVENTIONS

PHASE	SYSTEM	TYPE	NUMBER
XX	XX	XXX	XXXX

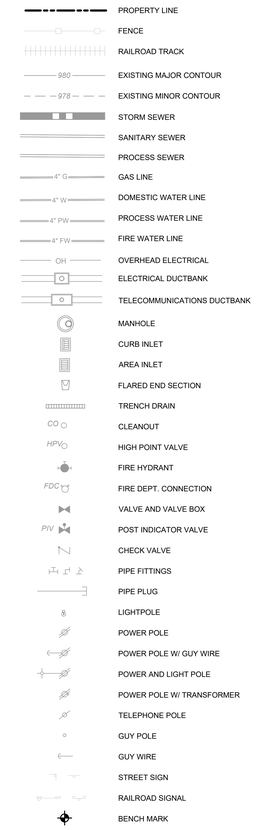
TYPE	DESCRIPTION
AI	AREA INLET
ARV	AIR RELEASE VALVE
BD	BEND
CB	CATCH BASIN
CC	CONCRETE COLLAR
CI	CURB INLET
CO	CLEANOUT
CR	CROSS
DI	DROP INLET
DR	DEWATERING RISER
EMH	ELECTRIC MANHOLE
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FWV	FIRE WATER VALVE
GH	GROUND HYDRANT
GV	GAS VALVE
HH	HANDHOLE
HW	HEADWALL
HYD	HYDRANT
MH	MANHOLE
PIV	POST INDICATOR VALVE
PV	PLUG VALVE
PRV	PRESSURE RELEASE VALVE
R	REDUCER
SG	SLUICE GATE
ST	PIPE STUB
T	TEE
TD	TRENCH DRAIN
TMH	TELECOM MANHOLE
WV	WATER VALVE

PIPE/PRESSURE PIPE NAMING CONVENTIONS

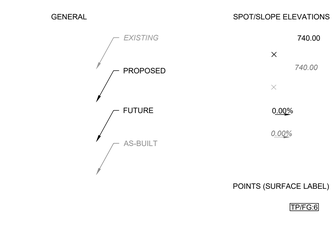
BUILDING CODE	SYSTEM	NUMBER
XX	XX	XXXX

SYSTEM	DESCRIPTION
TC	TELECOMMUNICATIONS
FW	FIRE WATER
ST	STORM WATER
EL	ELECTRICAL
NG	NATURAL GAS
PS	PROCESS SEWER
SS	SANITARY SEWER
DW	DOMESTIC WATER
PW	PROCESS WATER

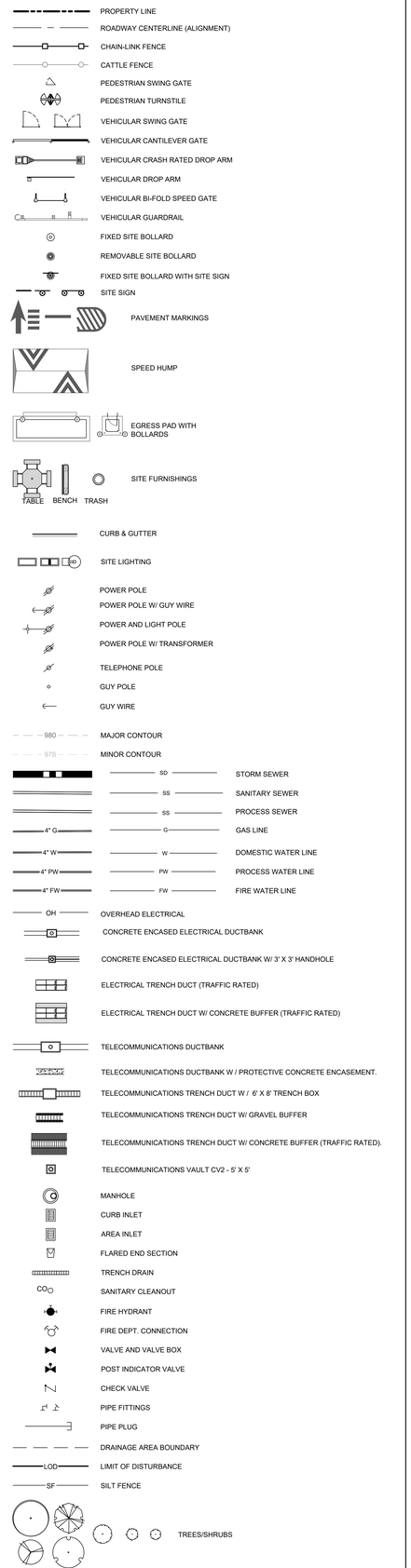
EXISTING LEGEND



PLAN LABELS



PROPOSED LEGEND



C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-0002 LEGEND AND ABBREVIATIONS 6/20/2025 8:43 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

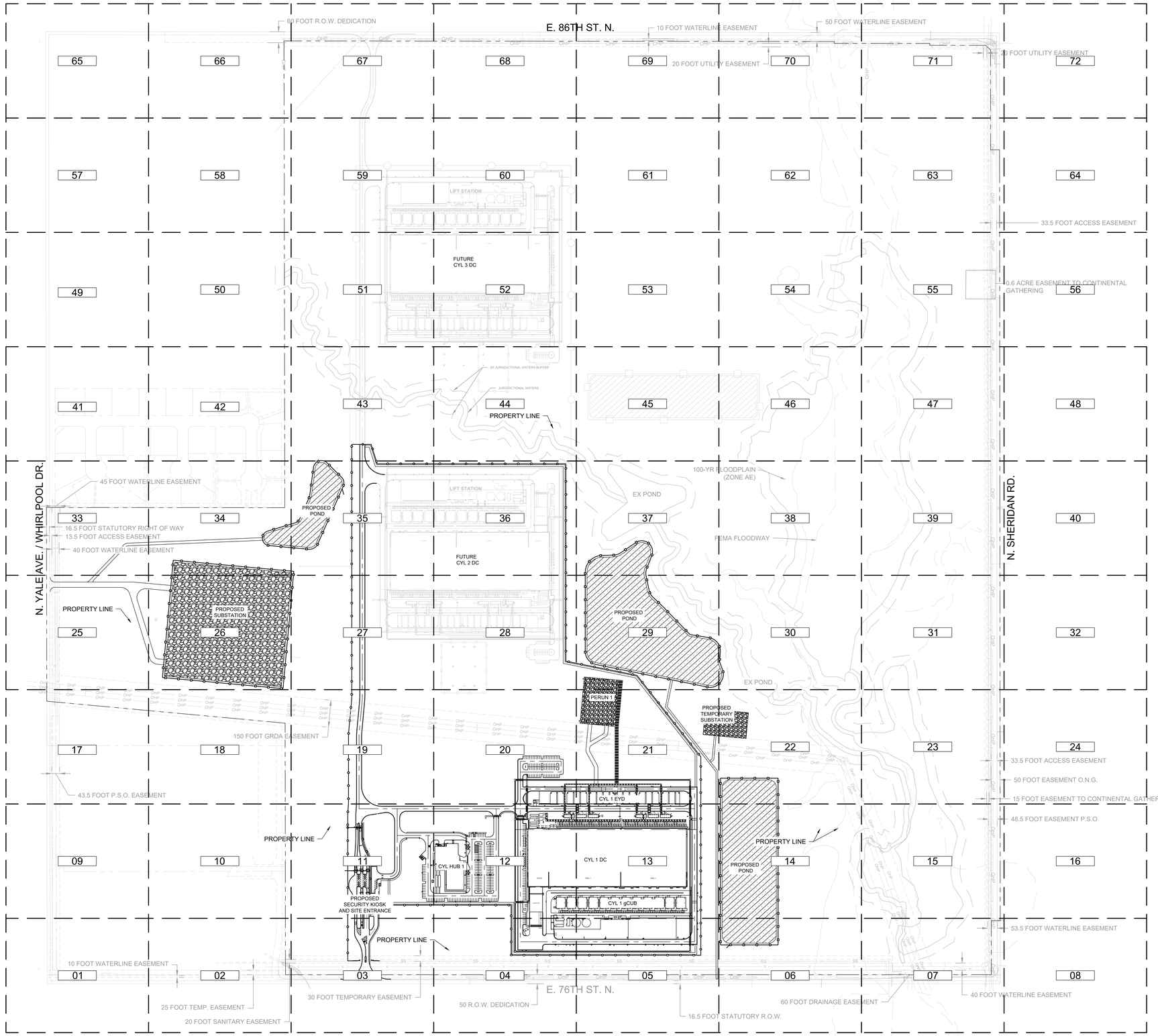
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

LEGEND AND ABBREVIATIONS
SCALE: N/A

SHEET NUMBER:
1A-C-0002
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-0003 OVERALL PROJECT PLAN 6/17/2025 4:08 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

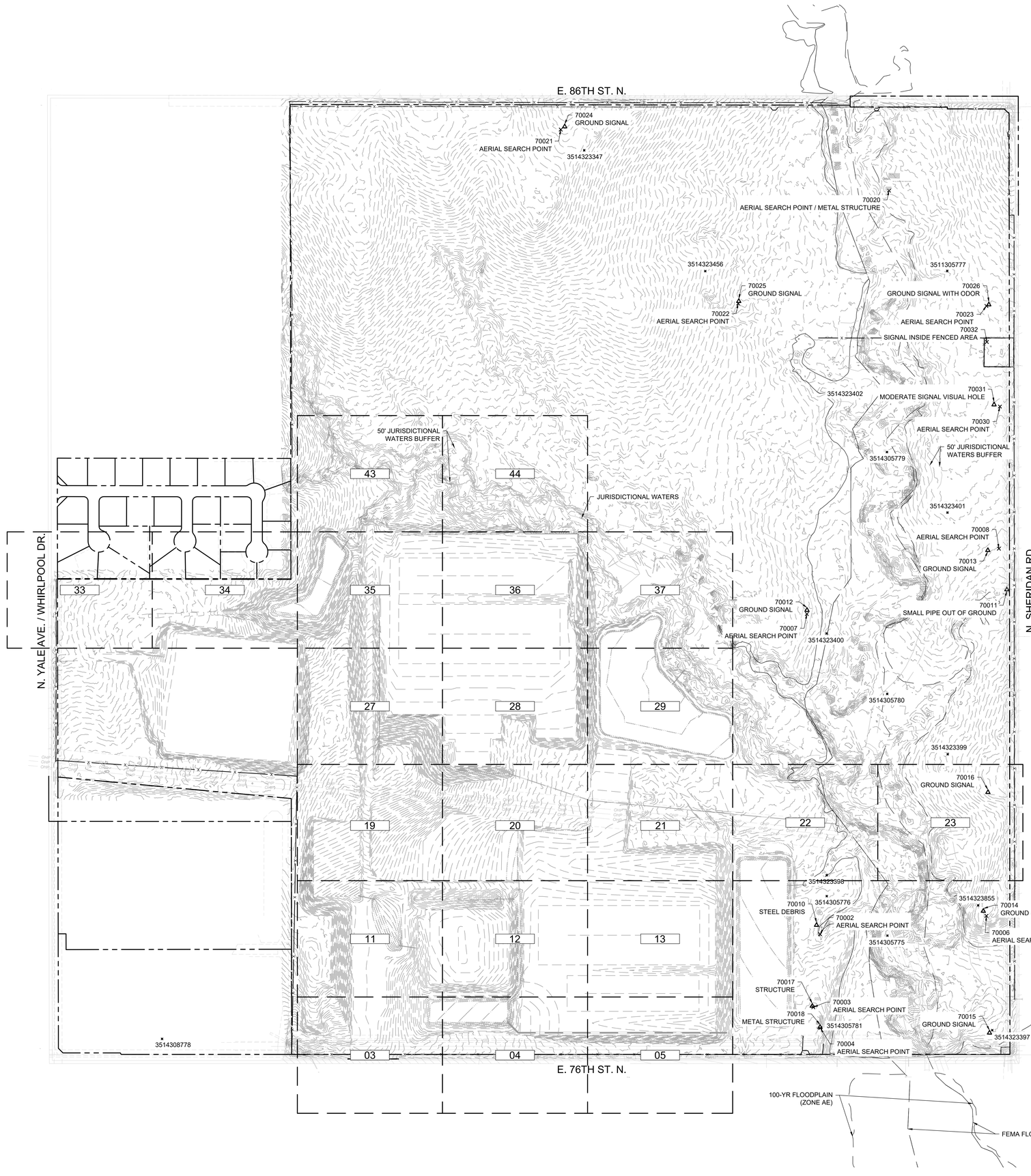
PROJ. NO.: 10434525

PROJECT PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-0003

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR (980)
- EXISTING MINOR CONTOUR (978)
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

API	WELL NAME	WELL #	OPERATOR	LATTITUDE	LONGITUDE	SYMBOL - CLASS
3511305777	MARTIN JOSEPH	1	OTC/OCC NOT ASSIGNED	36.265988	-95.904409	PLUGGED
3514305775	JOHNSON EVAN	1	OTC/OCC NOT ASSIGNED	36.275958	-95.903290	PLUGGED
3514305776	JOHNSON	4	OTC/OCC NOT ASSIGNED	36.268707	-95.905530	GAS
3514305778	MARTIN JOSEPH	2	OTC/OCC NOT ASSIGNED	36.268706	-95.947731	PLUGGED
3514305779	WEST GEO	1	OTC/OCC NOT ASSIGNED	36.273239	-95.904409	GAS
3514305780	JOHNSON EVAN	3	OTC/OCC NOT ASSIGNED	36.269613	-95.904409	PLUGGED
3514305781	WEST	2	OTC/OCC NOT ASSIGNED	36.275958	-95.905529	PLUGGED
3514308778	MARTIN J	3	OTC/OCC NOT ASSIGNED	36.269612	-95.917841	OTHER
3514323397	BCR	31	CONTINENTAL ENERGY OPERATING LLC	36.264567	-95.902470	PLUGGED
3514323398	BCR	32	CONTINENTAL ENERGY OPERATING LLC	36.266894	-95.905530	PLUGGED
3514323399	BCR	33	CONTINENTAL ENERGY OPERATING LLC	36.268707	-95.903290	PLUGGED
3514323400	BCR	34	CONTINENTAL ENERGY OPERATING LLC	36.270520	-95.905530	PLUGGED
3514323401	BCR	35	CONTINENTAL ENERGY OPERATING LLC	36.272333	-95.903290	PLUGGED
3514323402	BCR	36	CONTINENTAL ENERGY OPERATING LLC	36.274145	-95.905530	PLUGGED
3514323456	BCR	37	CONTINENTAL ENERGY OPERATING LLC	36.275958	-95.907770	PLUGGED
3514323471	BCR	46	CONTINENTAL ENERGY OPERATING LLC	36.277771	-95.910010	PLUGGED
3514323855	BIRDCREEK RANCH	31-A	CONTINENTAL ENERGY OPERATING LLC	36.266441	-95.902730	PLUGGED

MAGNETOMETER SURVEY ANOMALY LOCATIONS

70010	467549.7877	2585853.7450	STEEL DEBRIS
70011	469402.7872	2586854.5940	SMALL PIPE OUT OF GROUND
70012	469267.8549	2585766.3220	GROUND SIGNAL
70013	469615.2765	2586746.2610	GROUND SIGNAL
70014	467645.4732	2586762.1650	GROUND SIGNAL
70015	466981.1843	2586809.5070	GROUND SIGNAL
70016	468294.1756	2586774.2090	GROUND SIGNAL
70017	467107.7209	2585839.5360	STRUCTURE
70018	466993.3865	2585884.1070	METAL STRUCTURE
70020	471567.8730	2586166.3100	AERIAL SEARCH POINT/METAL STRUCTURE
70024	471880.1644	2584389.5810	GROUND SIGNAL
70025	470946.5757	2585359.1930	GROUND SIGNAL
70026	470956.4115	2586723.8170	GROUND SIGNAL WITH ODOR
70030	470401.4279	2586795.9670	AERIAL SEARCH POINT
70031	470410.8087	2586763.7820	MODERATE SIGNAL VISUAL HOLE
70032	470752.5053	2586717.4890	SIGNAL INSIDE FENCED AREA

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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1000 EXISTING CONDITIONS AND DEMOLITION PLAN - OVERALL 6/19/2025 4:58 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS AND DEMOLITION PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1111

30.00 TEMPORARY SANITARY SEWER CONSTRUCTION EASEMENT

20.00 SANITARY SEWER EASEMENT

EXISTING 12" SANITARY SEWER LINE

EX. SSMH
TR=665.42
SHELF=655.97
FL(E)=655.32
FL(W)=655.27

EX. SSMH
TR=661.72
SHELF=654.48
FL(E,W)=653.97

EXISTING 48" WATERLINE

EXISTING RIPRAP

EXISTING STORM SEWER HEADWALL
TOP OF HEADWALL = 662.65
FL = 650.80

10.00 WATERLINE EASEMENT

REMOVE BARBED WIRE FENCE

BARBED-WIRE FENCE

25.00 TEMPORARY EASEMENT

EXISTING 15" CMP STORM SEWER PIPE

EXISTING UNDERGROUND TELECOM LINES

EXISTING CURB

EXISTING GUTTER

RELOCATE EXISTING STORM SEWER INLET

SAWCUT AND REMOVE EXISTING CURBS AND ASPHALT FULL DEPTH

EXISTING 48" RCP STORM SEWER PIPE

E. 76TH ST. N.

50.00 RIGHT OF WAY DEDICATION

16.50 STATUTORY RIGHT OF WAY

MATCHLINE SEE SHEET 1A-C-1104

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

NOTES

1. CONTRACTOR TO INSTALL ALL REQUIRED INITIAL EPSC MEASURES PER PLANS PRIOR TO ANY DEMOLITION OR CLEARING AND GRUBBING
2. NO IMPACTS TO ANY IDENTIFIED JURISDICTIONAL ENVIRONMENTAL FEATURES OF ANY KIND IS PERMITTED UNTIL APPROVAL BY ODEQ AND USACE. FOLLOWING APPROVAL ONLY IMPACTS TO FEATURES PERMITTED BY BOTH ODEQ AND USACE IS PERMITTED AND MUST COMPLY WITH PHASING AS IDENTIFIED IN PLANS.
3. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS SHOWN ON PLAN AND IMMEDIATELY NOTIFY ENGINEER/OWNER OF ANY DISCREPANCIES.
4. FEATURES BEYOND THE LIMITS OF DISTURBANCE (LOD) AND WITHIN THE LOD, UNLESS IDENTIFIED FOR REMOVAL ON THE PLANS, SHALL BE PROTECTED IN PLACE (PIP) BY THE CONTRACTOR FOR THE DURATION OF THE WORK.
5. ANY EXISTING STRUCTURE, IMPROVEMENT, OR APPURTENANCE TO REMAIN THAT IS DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS AND GUIDELINES OF THE EROSION CONTROL PLAN AND SITE SWPPP.
7. WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN ONE UNIT VERTICAL IN FIVE UNITS HORIZONTAL (20-PERCENT SLOPE) AND THE DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED.
8. CONTRACTOR TO SEE ABBREVIATIONS LIST (SEE SHEET 1A-C-0002), FOR CLARIFICATION.
9. SAWCUT AND REMOVAL OF ASPHALT SHALL BE DONE IN A MANNER THAT DOES NOT LEAVE AREAS THAT ARE LESS THAN THREE FEET IN WIDTH REMAINING.
10. REFER TO THE TABLES ON OVERALL SHEET 1A-C-1000 FOR THE POTENTIAL LOCATIONS OF EXISTING WELLS. CONTRACTOR SHALL IDENTIFY THE LOCATION OF EXISTING WELLS PRIOR TO CONSTRUCTION AND EXCAVATE WITH CAUTION IN THE AREA. ANY WELL CAPS THAT ARE DAMAGED OR REMOVED DUE TO EXCAVATION SHALL BE REPLACED PER STATE STANDARDS AND PERMITTED ACCORDINGLY.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\0600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 6/26/2025 9:55 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1103

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1112

30.00 TEMPORARY SANITARY SEWER CONSTRUCTION EASEMENT

20.00 SANITARY SEWER EASEMENT

EX. SSMH
TR=648.47
SHELF=642.42
FL(E)=641.77
FL(W)=641.87

EXISTING FIREHYDRANT

EXISTING POWER POLE (TYP.)

EXISTING UNDERGROUND TELECOM LINES

EXISTING 15" CMP STORM SEWER PIPE

EXISTING STORM SEWER INLET

EXISTING CURB

EXISTING GUTTER

10.00 WATERLINE EASEMENT

EXISTING 12" SANITARY SEWER LINE

EX. SSMH
TR=637.58
SHELF=631.58
FL(E)=630.90
FL(W)=630.98

EXISTING 48" WATERLINE

EXISTING BARBED WIRE FENCE

REMOVE BARBED WIRE FENCE

GATE

25.00 TEMPORARY EASEMENT

EXISTING OVERHEAD ELECTRICAL TRANSMISSION LINE

EXISTING 15" CMP STORM SEWER PIPE

EXISTING STORM SEWER INLET

EXISTING 24" CMP STORM SEWER PIPE

50.00 RIGHT OF WAY DEDICATION

16.50 STATUTORY RIGHT OF WAY

E. 76TH ST. N.

MATCHLINE SEE SHEET 1A-C-1103

MATCHLINE SEE SHEET 1A-C-1105

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\9600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 6/26/2025 9:55 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1113

MATCHLINE SEE SHEET 1A-C-1104

MATCHLINE SEE SHEET 1A-C-1106

30.00 TEMPORARY SANITARY SEWER CONSTRUCTION EASEMENT

EXISTING 12" SANITARY SEWER LINE

EX. SSMH
TR=627.07
SHELF=620.42
FL(E)=620.67
FL(W)=620.77

20.00 SANITARY SEWER EASEMENT

EX. SSMH
TR=626.20
SHELF=618.40
FL(E)=617.70
FL(W)=617.80

EXISTING 48" WATERLINE

REMOVE BARBED WIRE FENCE

EXISTING TELECOM STRUCTURES

EXISTING UNDERGROUND TELECOM LINES

EXISTING UNDERGROUND TELECOM LINE

EXISTING POWER POLE (TYP.)

25.00 TEMPORARY EASEMENT

EXISTING OVERHEAD ELECTRICAL TRANSMISSION LINE

EXISTING TELECOM STRUCTURE

EXISTING STORM SEWER LINE

10.00 WATERLINE EASEMENT

EXISTING TRAFFIC SIGNAL

EXISTING STORM SEWER LINE

EXISTING CURB

EXISTING GUTTER

EXISTING STORM SEWER INLET

EXISTING STORM SEWER INLET

E. 76TH ST. N.

50.00 RIGHT OF WAY DEDICATION

16.50 STATUTORY RIGHT OF WAY

EXISTING TELECOM STRUCTURES

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 6/26/2025 9:55 AM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

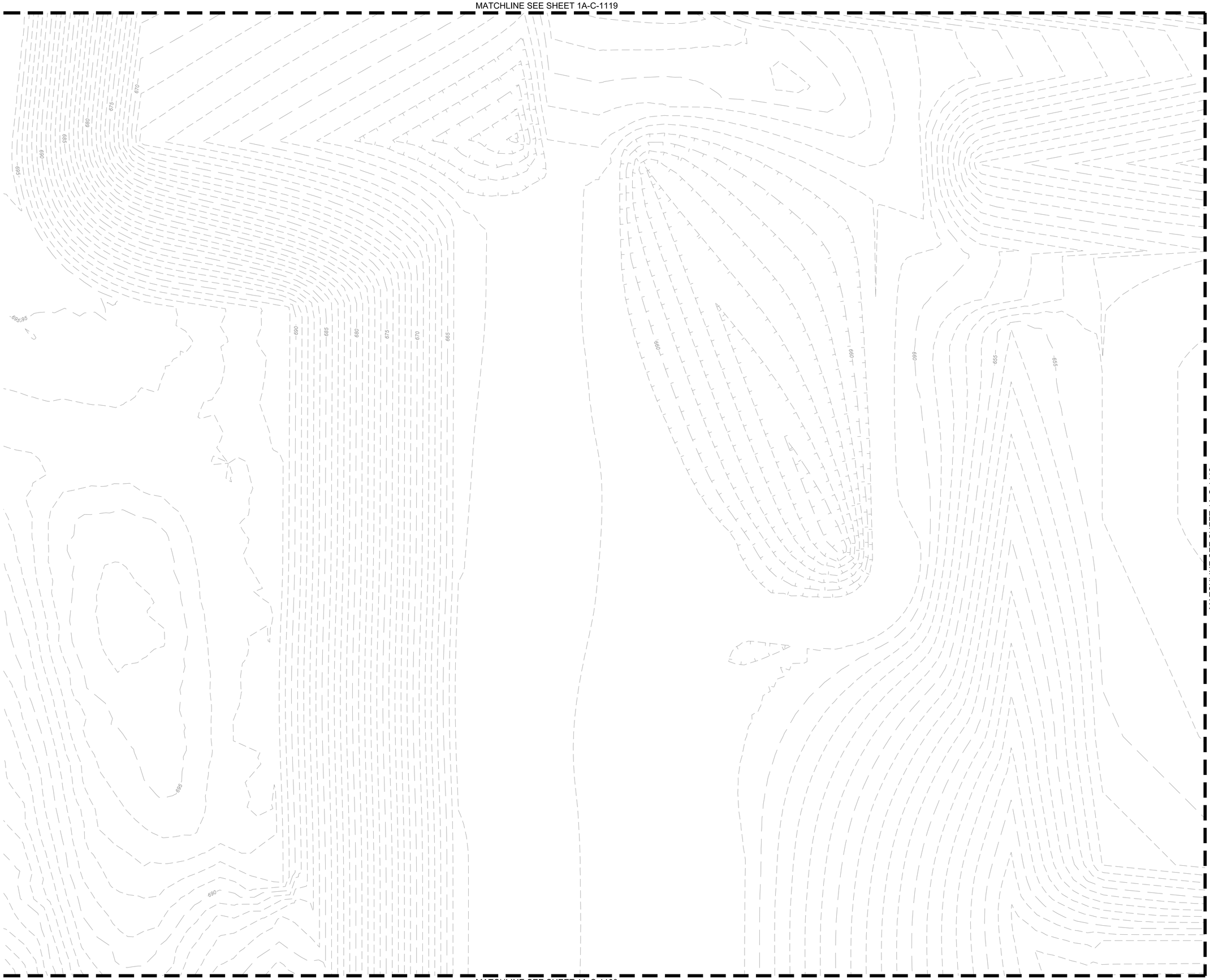
EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1119



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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MATCHLINE SEE SHEET 1A-C-1112

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-1103

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 6/26/2025 9:55 AM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1111

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1120

MATCHLINE SEE SHEET 1A-C-1111

MATCHLINE SEE SHEET 1A-C-1113

MATCHLINE SEE SHEET 1A-C-1104

640

655

650

645

640

640

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
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- MAGNETIC ANOMALY
- OCC LOCATIONS
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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1121

640

MATCHLINE SEE SHEET 1A-C-1112

MATCHLINE SEE SHEET 1A-C-1114

MATCHLINE SEE SHEET 1A-C-1105

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
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N

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SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 8/28/2025 9:55 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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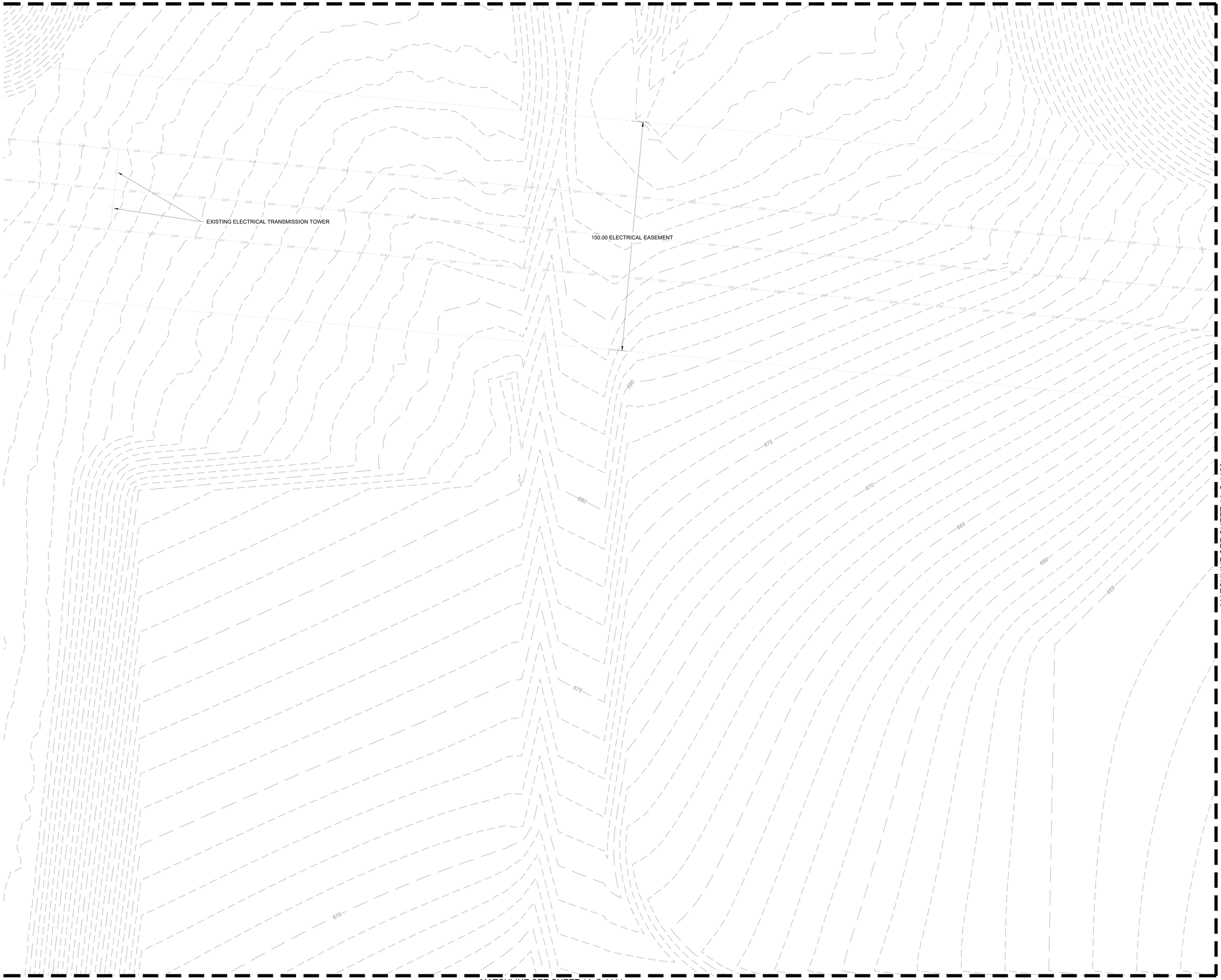

MATCHLINE SEE SHEET 1A-C-1120

MATCHLINE SEE SHEET 1A-C-1111

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

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SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

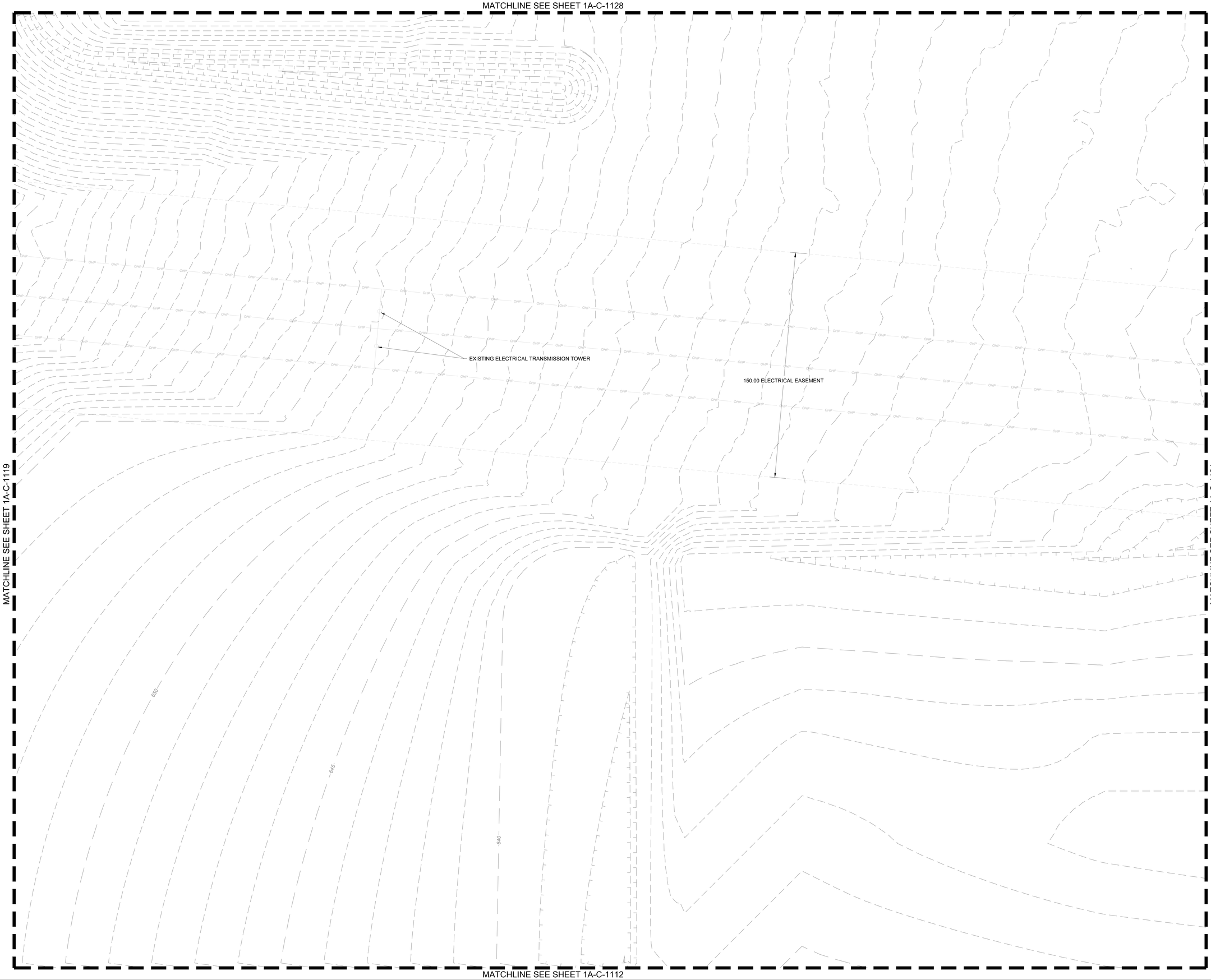
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1119
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1128



MATCHLINE SEE SHEET 1A-C-1119

MATCHLINE SEE SHEET 1A-C-1121

MATCHLINE SEE SHEET 1A-C-1112

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1129

MATCHLINE SEE SHEET 1A-C-1120

MATCHLINE SEE SHEET 1A-C-1122

MATCHLINE SEE SHEET 1A-C-1113

150.00 ELECTRICAL EASEMENT

EXISTING ELECTRICAL TRANSMISSION TOWER

980

978

635

630

625

620

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1101 EXISTING AND DEMOLITION PLAN 6/26/2025 9:55 AM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

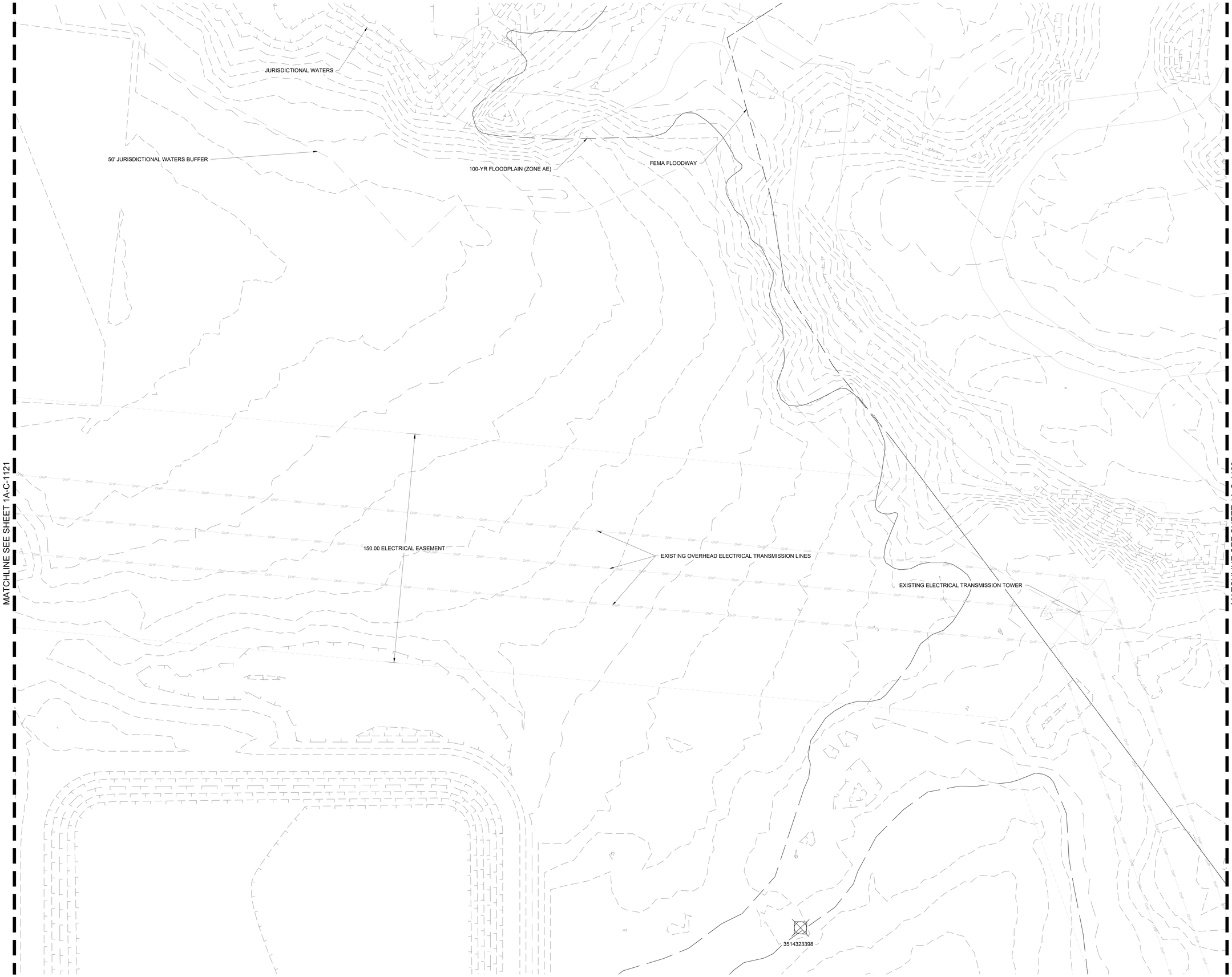
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1121

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
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N

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SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1106 EXISTING AND DEMOLITION PLAN 6/18/2025 12:21 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

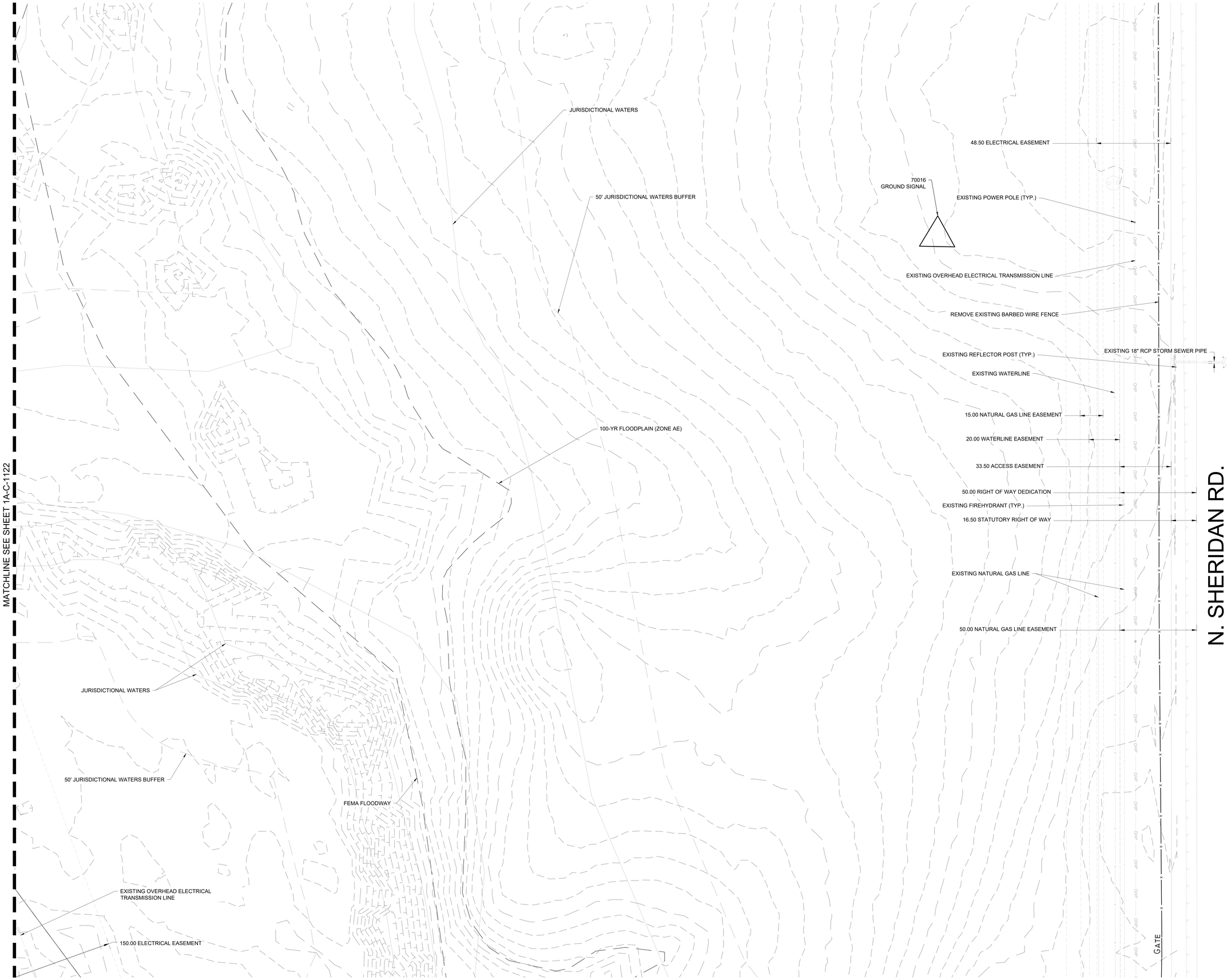
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1106 EXISTING AND DEMOLITION PLAN 6/18/2025 12:21 PM

ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1123
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1135

MATCHLINE SEE SHEET 1A-C-1128

MATCHLINE SEE SHEET 1A-C-1119

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1125 EXISTING AND DEMOLITION PLAN 6/18/2025 2:24 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1127

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1136

MATCHLINE SEE SHEET 1A-C-1127

MATCHLINE SEE SHEET 1A-C-1129

MATCHLINE SEE SHEET 1A-C-1120

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1128 EXISTING AND DEMOLITION PLAN 6/18/2025 2:24 PM

ARCHITECTURE:
HDR Architecture, Inc.
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1128

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1137



MATCHLINE SEE SHEET 1A-C-1128

MATCHLINE SEE SHEET 1A-C-1121

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1129

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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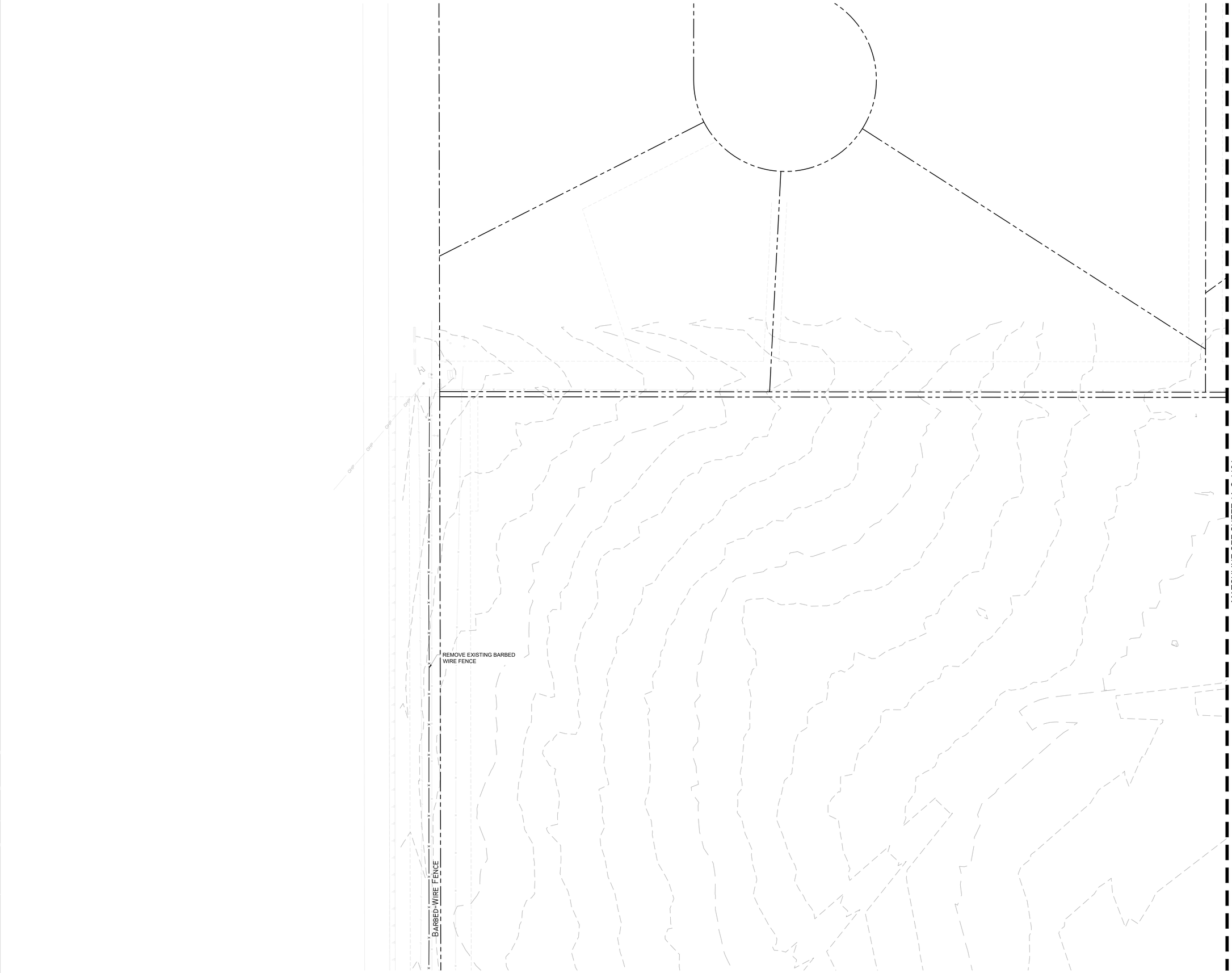

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

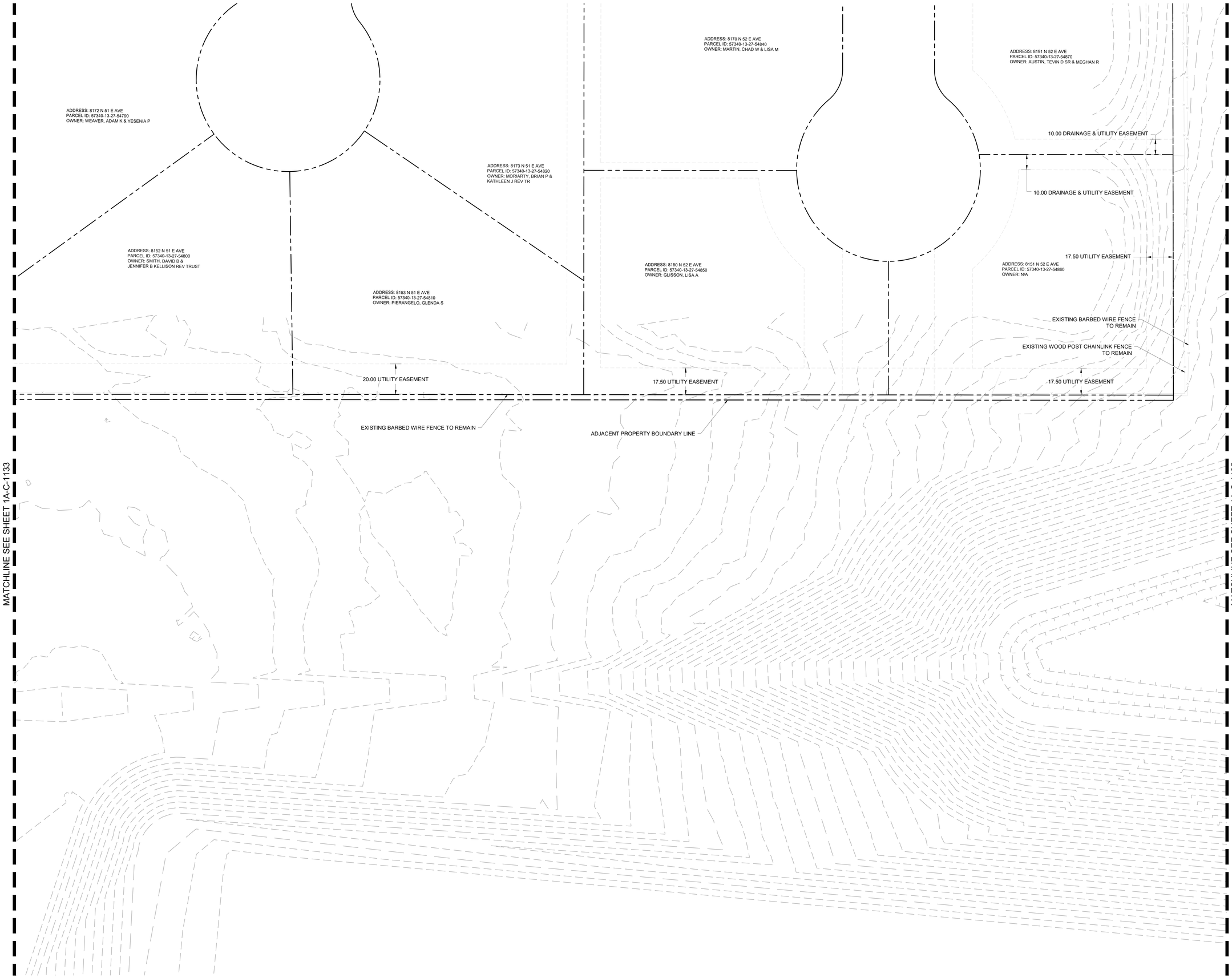
PROJ. NO.:10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1133

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR (980)
- EXISTING MINOR CONTOUR (978)
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1128 EXISTING AND DEMOLITION PLAN 6/18/2025 2:24 PM

ARCHITECTURE:
HDR Architecture, Inc.
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STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1134
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1143

MATCHLINE SEE SHEET 1A-C-1134

MATCHLINE SEE SHEET 1A-C-1136

MATCHLINE SEE SHEET 1A-C-1127

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1125 EXISTING AND DEMOLITION PLAN 6/18/2025 2:24 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-1144

50' JURISDICTIONAL WATERS BUFFER

MATCHLINE SEE SHEET 1A-C-1135

MATCHLINE SEE SHEET 1A-C-1137

MATCHLINE SEE SHEET 1A-C-1128

LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1125 EXISTING AND DEMOLITION PLAN 8/18/2025 2:24 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1136

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR (980)
- EXISTING MINOR CONTOUR (978)
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
- EXISTING FLARED END SECTION
- EXISTING TRENCH DRAIN
- FIELD LOCATED POSITION
- MAGNETIC ANOMALY
- OCC LOCATIONS
- EXISTING RIP RAP

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1106 EXISTING AND DEMOLITION PLAN 6/18/2025 12:21 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

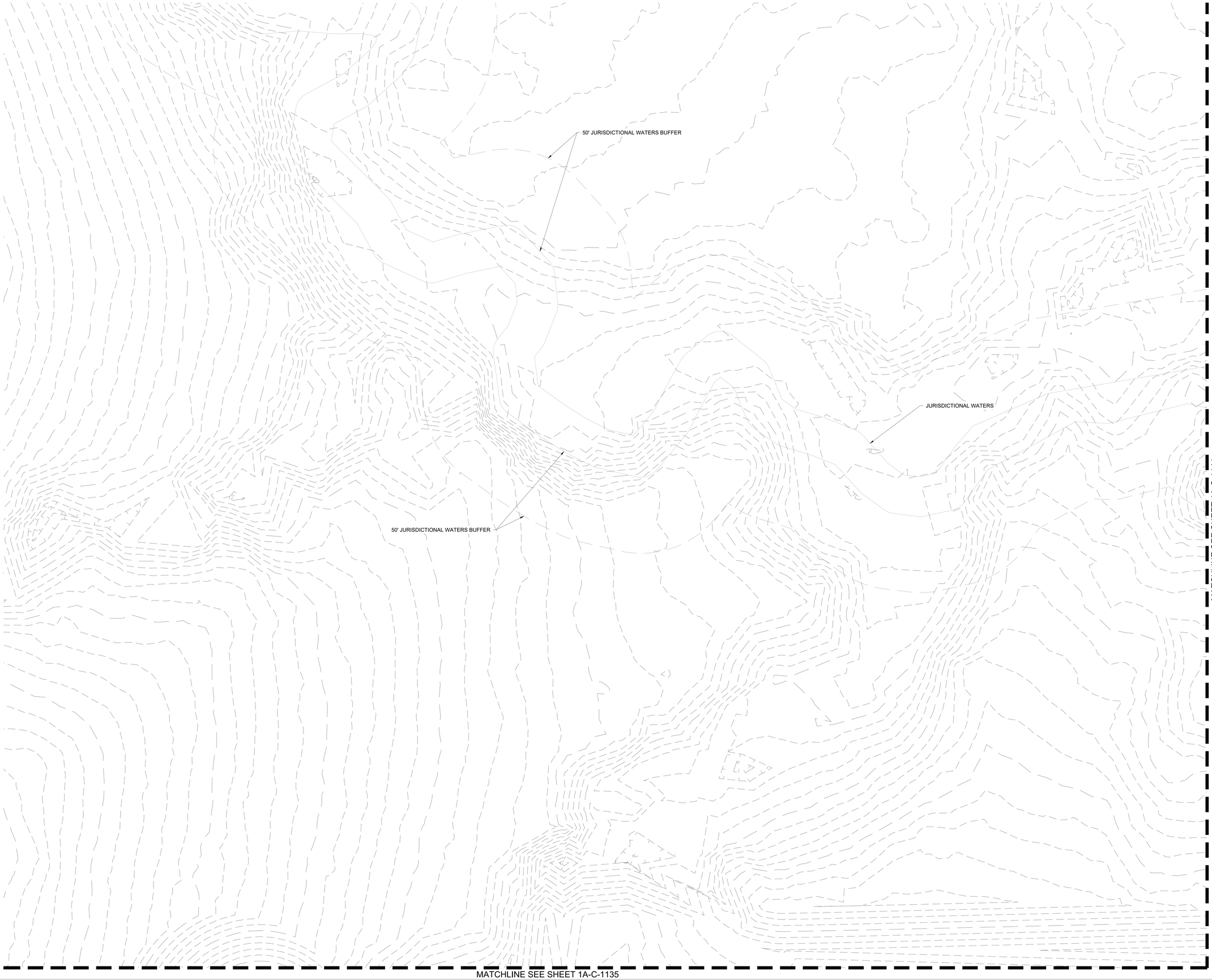
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1137
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING AREA INLET
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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1143

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- 980 EXISTING MAJOR CONTOUR
- 978 EXISTING MINOR CONTOUR
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9. SAWCUT AND REMOVAL OF ASPHALT SHALL BE DONE IN A MANNER THAT DOES NOT LEAVE AREAS THAT ARE LESS THAN THREE FEET IN WIDTH REMAINING.
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THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-1125 EXISTING AND DEMOLITION PLAN 6/18/2025 2:24 PM

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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-1144

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

TYPICAL NOTES:

1. COORDINATE ALL PAVEMENT DETAILS WITH GEOTECHNICAL ENGINEER AND SITE SPECIFIC INVESTIGATION REPORT.
2. ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK.
3. COMPLETELY REMOVE ANY UNSUITABLE MATERIAL ENCOUNTERED UNDER PROPOSED ROADS AND STRUCTURES TO A DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER.
4. PROMPTLY INFORM THE ENGINEER OF ANY DISCREPANCY DISCOVERED OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS.
5. PAVEMENT AND PEDESTRIAN EGRESS OR ACCESS SHALL BE IN ACCORDANCE WITH ADAAG OR LOCAL REGULATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR DESIGNATED EMERGENCY EGRESS PATHWAYS.
6. ALL SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE RELEVANT NATIONAL, STATE AND LOCAL JURISDICTIONAL CODES AND REGULATIONS. THIS INCLUDES ADA ACCESSIBILITY GUIDELINES (ADAAG) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) . PROJECT SPECIFIC SIGNAGE SHALL BE IN ACCORDANCE WITH SUCH APPLICABLE INSTALLATION AND ACCESSIBILITY CODES AND REGULATIONS AS WELL AS THE OWNER PROVIDED DC SIGNAGE MANUAL V3.0.
7. REFERENCE ELECTRICAL AND SECURITY SITE PLAN SHEETS FOR LIGHTING AND CAMERA LOCATIONS, RESPECTIVELY.
8. DOORS NORTH AND SOUTH OF DC ARE ADA EGRESS DOORS WITH 2.00% MAX CROSS SLOPE ACCESS PROVIDED FOR SHELL 1 AND SHELL 2.
9. REFER TO DISCIPLINE-SPECIFIC SHEETS FOR DETAILED PHASING INFORMATION. GENERAL PHASING SHOWN FOR INFORMATIONAL PURPOSES AND NOT INTENDED TO CONVEY COMPLETE SCOPE RE: SPECIFIC PHASE.
10. INFORMATION PROVIDED ON OVERALL SHEETS SHALL APPLY TO ALL PHASES, UNLESS OTHERWISE NOTED.

E. 86TH ST. N.

60 FOOT R.O.W. DEDICATION

10 FOOT WATERLINE EASEMENT

50 FOOT WATERLINE EASEMENT

20 FOOT UTILITY EASEMENT

20 FOOT UTILITY EASEMENT

33.5 FOOT ACCESS EASEMENT

0.6 ACRE EASEMENT TO CONTINENTAL GATHERING

N. SHERIDAN RD.

N. YALE AVE. / WHIRLPOOL DR.

LIFT STATION

FUTURE CYL 3 DC

50' JURISDICTIONAL WATERS BUFFER

JURISDICTIONAL WATERS

PROPERTY LINE

43

45 FOOT WATERLINE EASEMENT

PROPOSED POND

33

34

35

36

37

16.5 FOOT STATUTORY RIGHT OF WAY

13.5 FOOT ACCESS EASEMENT

40 FOOT WATERLINE EASEMENT

LIFT STATION

EX POND

100-YR FLOODPLAIN (ZONE AE)

FEMA FLOODWAY

FUTURE CYL 2A DC

PROPERTY LINE

PROPOSED SUBSTATION 1

PROPOSED POND

25

26

27

28

29

30

PERUN 1

EXTERNAL ACCESS ROAD

PROPOSED TEMPORARY 7 SUBSTATION

EX POND

150 FOOT GRDA EASEMENT

19

20

21

22

43.5 FOOT P.S.O. EASEMENT

CYL 1A EYD

33.5 FOOT ACCESS EASEMENT

50 FOOT EASEMENT O.N.G.

15 FOOT EASEMENT TO CONTINENTAL GATHERING

48.5 FOOT EASEMENT P.S.O

PROPERTY LINE

PROPERTY LINE

11

CYL HUB 1

12

CYL 1A DC

13

PROPOSED POND

14

PROPOSED SECURITY KIOSK AND SITE ENTRANCE

CYL 1A gCUB

53.5 FOOT WATERLINE EASEMENT

PROPERTY LINE

10 FOOT WATERLINE EASEMENT

03

04

05

06

E. 76TH ST. N.

30 FOOT TEMPORARY EASEMENT

50 R.O.W. DEDICATION

16.5 FOOT STATUTORY R.O.W.

60 FOOT DRAINAGE EASEMENT

40 FOOT WATERLINE EASEMENT

25 FOOT TEMP. EASEMENT

20 FOOT SANITARY EASEMENT

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N

0' 100' 200' 400'

SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2000 SITE PLAN - OVERALL 6/19/2025 5:14 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

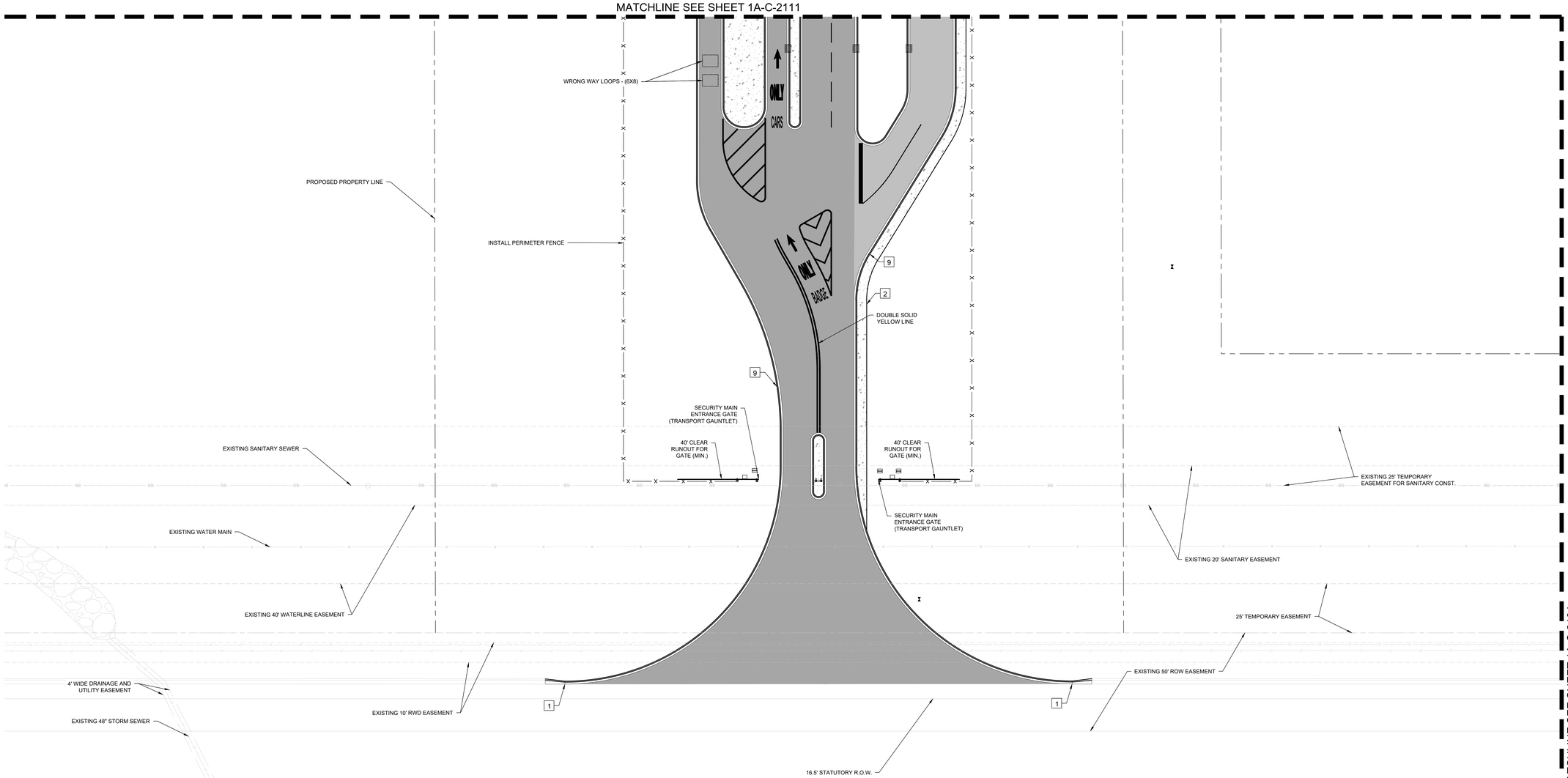
SITE PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2111



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

MATCHLINE SEE SHEET 1A-C-2104

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2101 SITE PLAN 6/18/2025 5:21 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

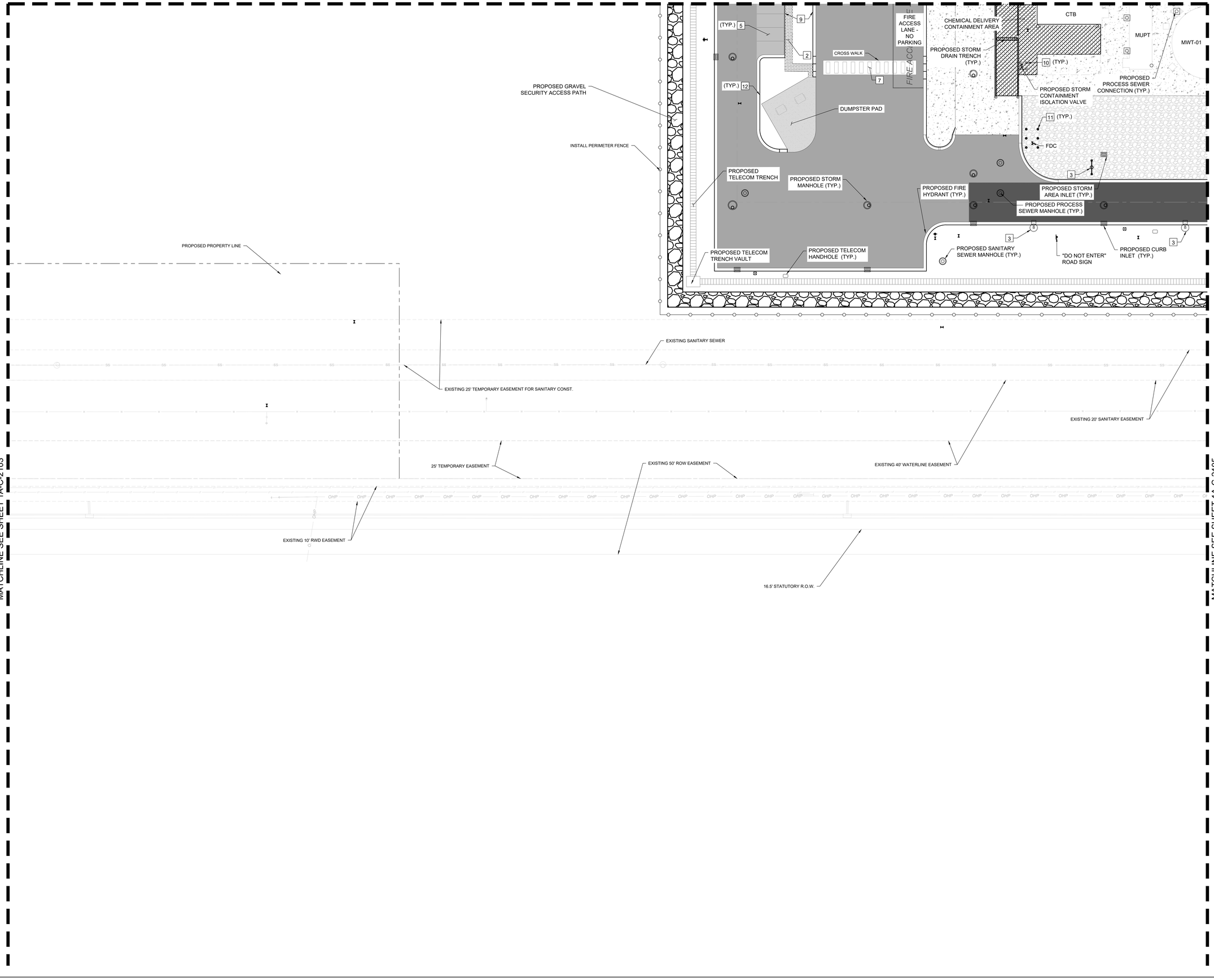
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2103
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2112



MATCHLINE SEE SHEET 1A-C-2103

MATCHLINE SEE SHEET 1A-C-2105

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
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- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
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5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
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N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

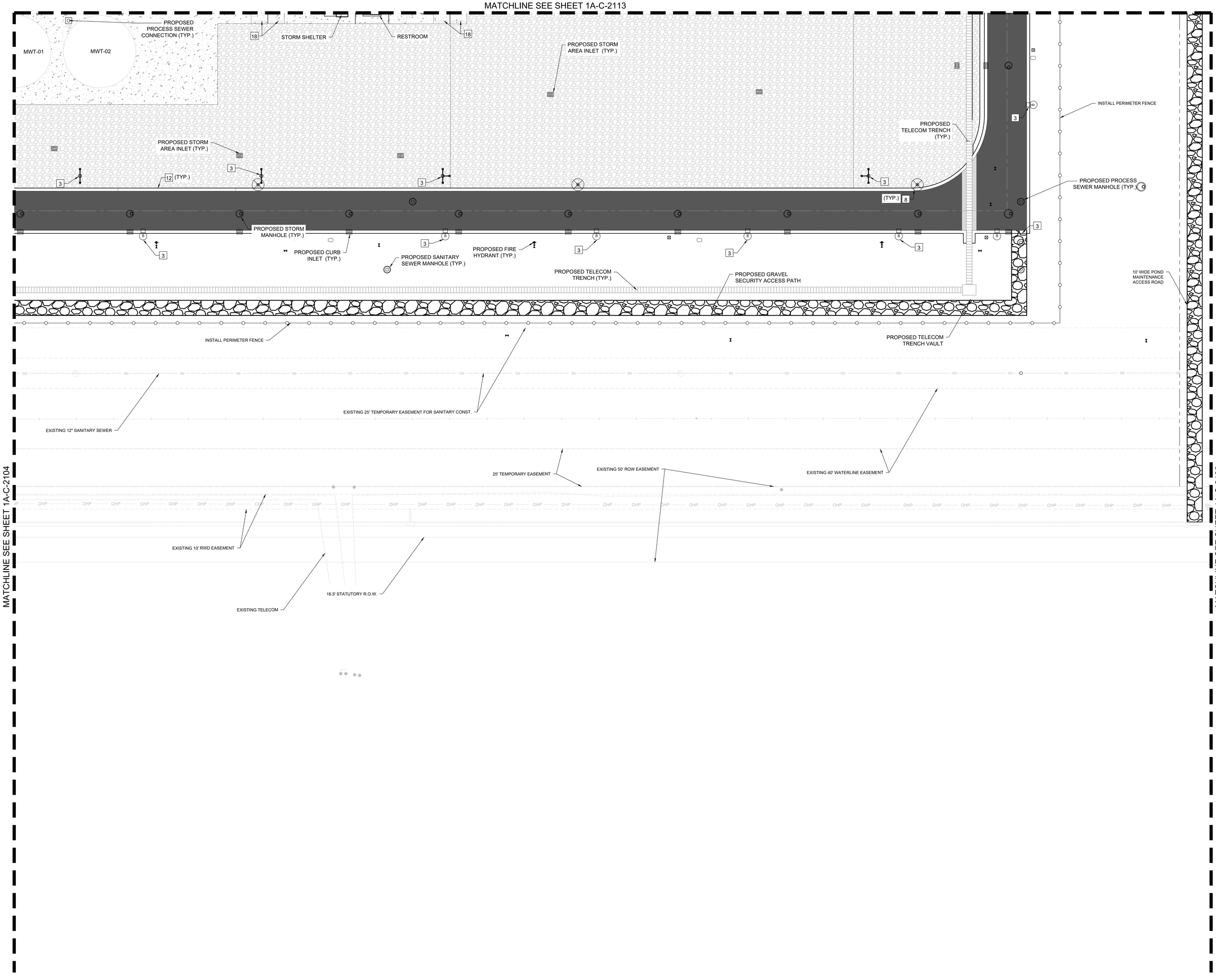
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2113



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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- FUEL DELIVERY AREA

NOTES

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KEY NOTES

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2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

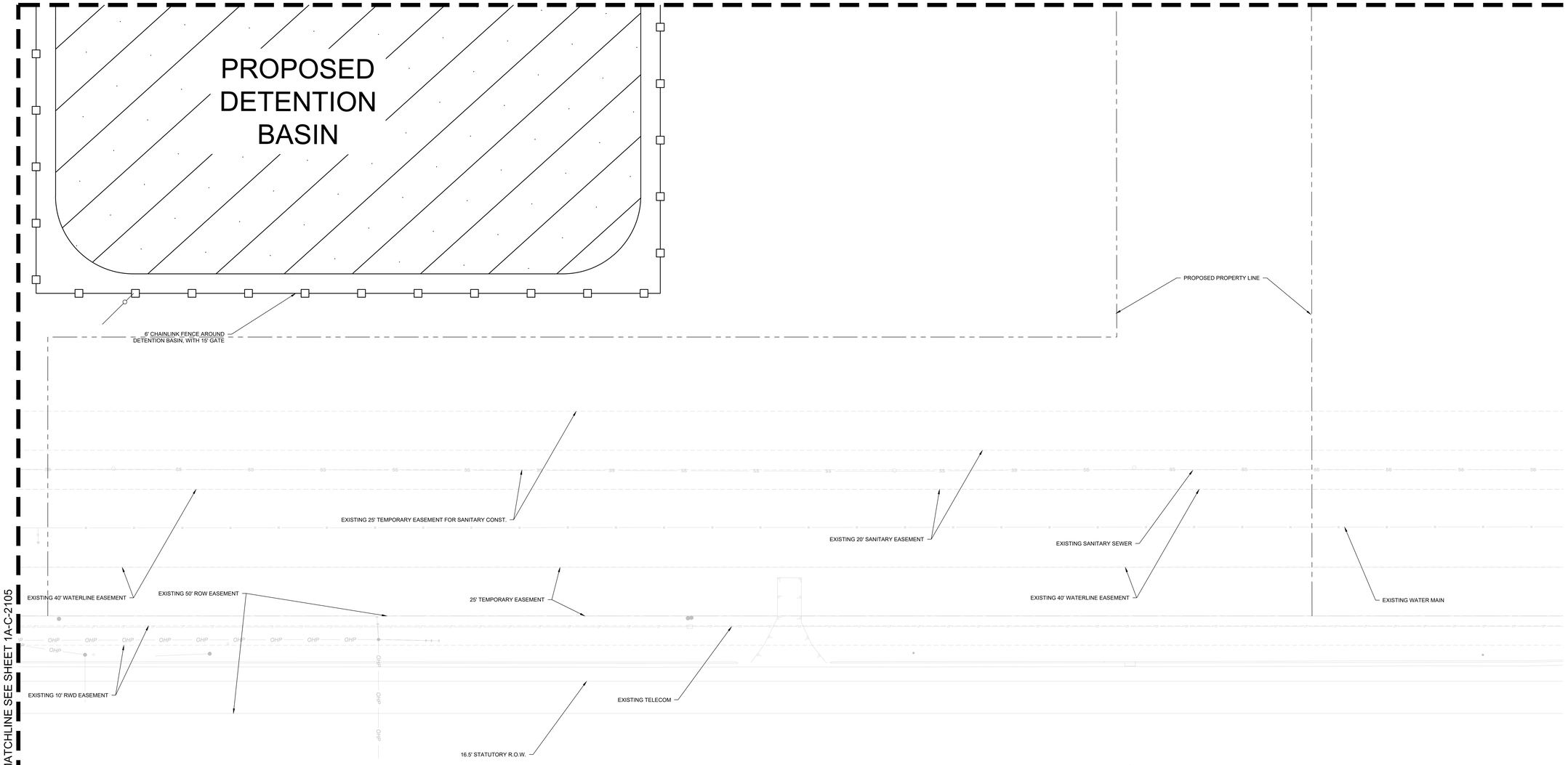
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2105
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2114



MATCHLINE SEE SHEET 1A-C-2105

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2106 SITE PLAN 6/18/2025 4:11 PM

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

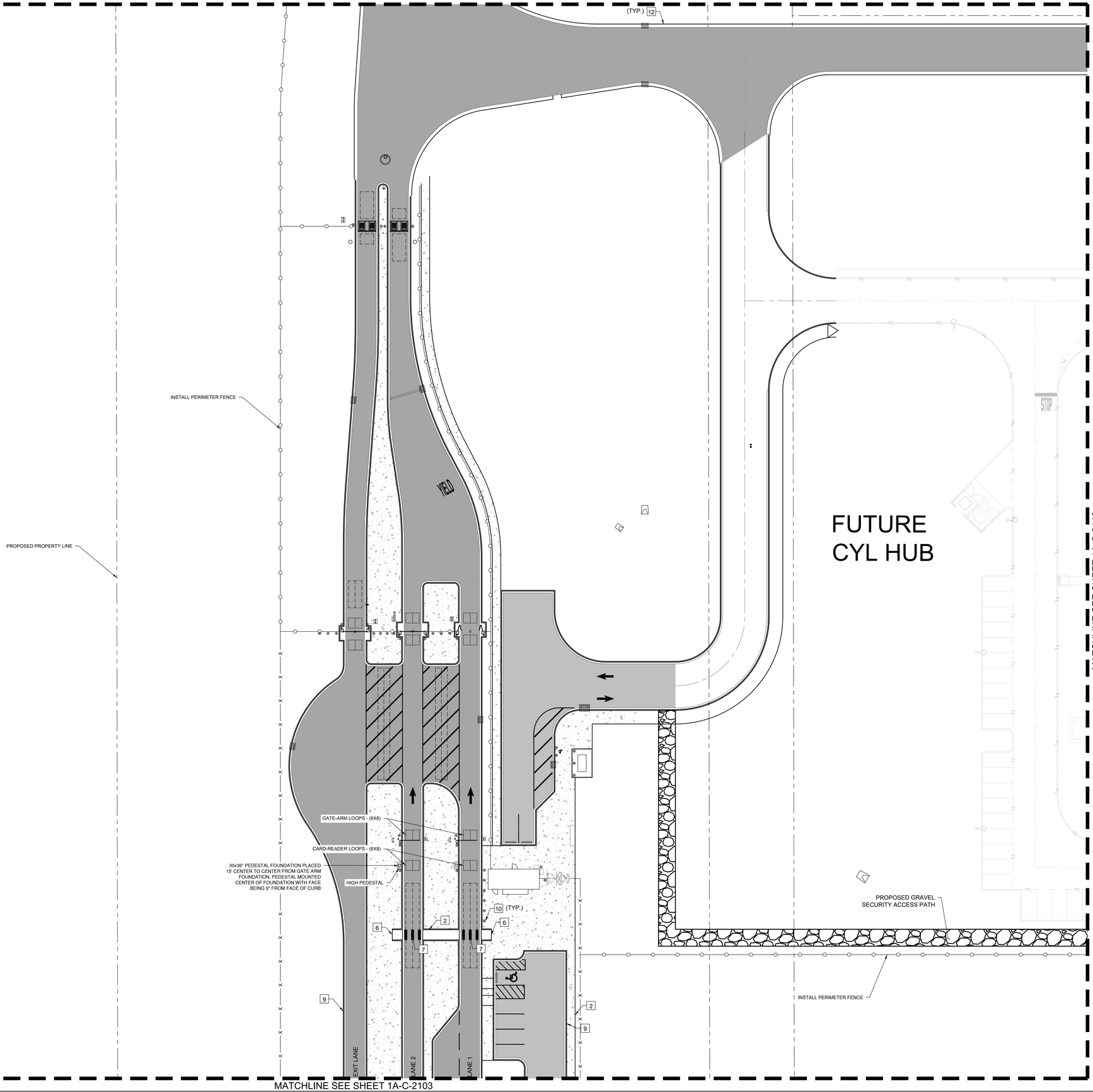
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2106

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2119



MATCHLINE SEE SHEET 1A-C-2112

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
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- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

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5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
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16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-2103

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2101 SITE PLAN 6/18/2025 5:21 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2111

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2120

MATCHLINE SEE SHEET 1A-C-2111

MATCHLINE SEE SHEET 1A-C-2113

MATCHLINE SEE SHEET 1A-C-2104

FUTURE CYL HUB

CROSS WALK

CROSS WALK

CROSS WALK

PROPOSED FIRE HYDRANT (TYP.)

PROPOSED DROP INLET (TYP.)

PROPOSED ELECTRICAL TRENCH (TYP.)

TRANSFORMER

SSS1-A

UPS A-1-a

UPS A-1-b

UPS B-1-a

UPS B-1-b

PMDC A-1

PMDC B-1

COD

COD

USS TYP.

USS TYP.

PROPOSED STRUCTURAL COLUMN (TYP.)

PROPOSED TELECOM TRENCH VAULT (TYP.)

PROPOSED TELECOM TRENCH (TYP.)

PROPOSED STORM MANHOLE (TYP.)

PROPOSED FIRE HYDRANT (TYP.)

PROPOSED STRUCTURAL COLUMN (TYP.)

STRUCTURAL SLAB REFER TO STRUCTURAL PLANS FOR DETAILS

PROPOSED SANITARY SEWER MANHOLE (TYP.)

WALL-MOUNTED EV PARKING SIGN (TYP.)

CYL 1A FSA

CYL 1A DC (SHELL 1)

ADA ACCESSIBLE PARKING SIGN (TYP.)

ADA ACCESSIBLE PARKING SIGN (TYP.)

FDC

PROPOSED FIRE HYDRANT (TYP.)

PROPOSED STORM AREA INLET (TYP.)

PROPOSED PROCESS SEWER MANHOLE (TYP.)

OFFICE

PROPOSED TELECOM TRENCH

LOADING DOCK

PROPOSED STORM DRAIN TRENCH (TYP.)

LOADING DOCK

PROPOSED TRENCH DRAIN (TYP.)

PROPOSED PROCESS SEWER BOX (TYP.)

PROPOSED FIRE HYDRANT (TYP.)

MCP-01

MCP-02

PROPOSED SANITARY SEWER MANHOLE (TYP.)

PROPOSED STORM DRAIN TRENCH (TYP.)

PROPOSED ELECTRICAL BOX (TYP.)

PROPOSED ELECTRICAL TRENCH

PDC

FIRE ACCESS LANE - NO PARKING

PROPOSED PROCESS SEWER MANHOLE (TYP.)

NO PARKING

PROPOSED GRAVEL SECURITY ACCESS PATH

INSTALL PERIMETER FENCE

PROPOSED STORM MANHOLE (TYP.)

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

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5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
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7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
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17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2101 SITE PLAN 6/18/2025 5:21 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

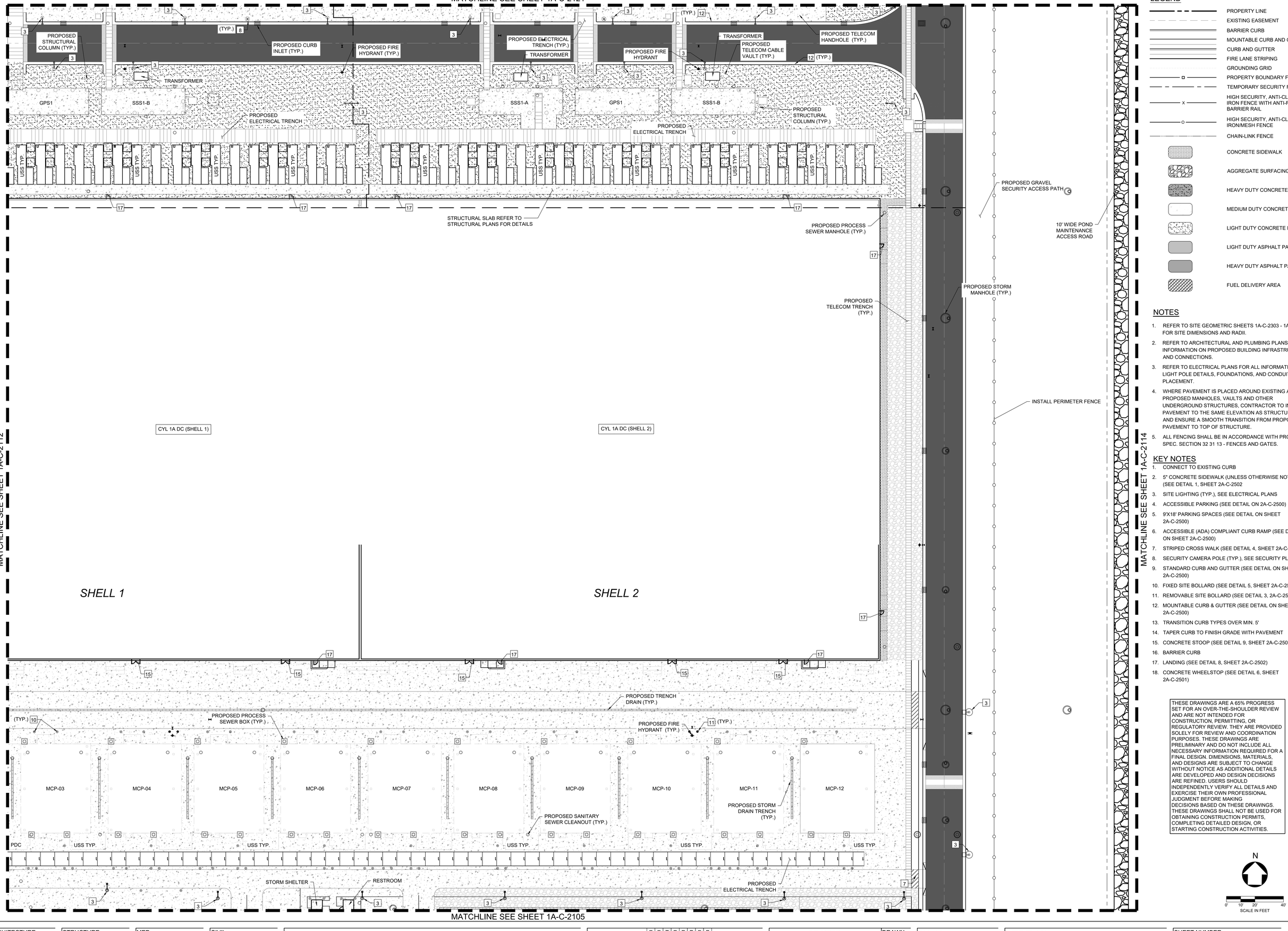
PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
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- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

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KEY NOTES

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5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
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N

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

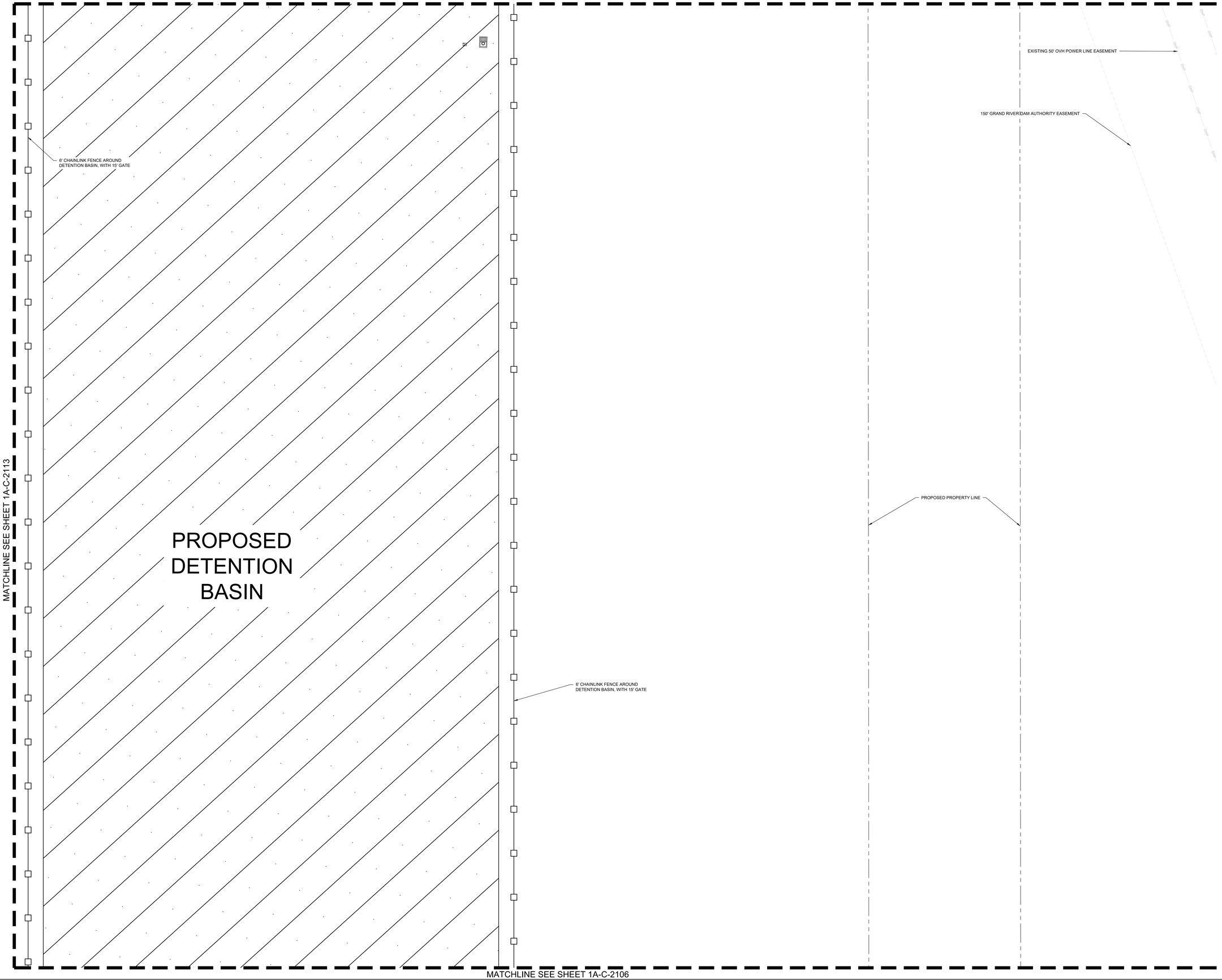
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2101 SITE PLAN 6/18/2025 5:21 PM

MATCHLINE SEE SHEET 1A-C-2122



MATCHLINE SEE SHEET 1A-C-2113

MATCHLINE SEE SHEET 1A-C-2106

C:\ACCVACCDocs\Kimley-Horn\080057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2106 SITE PLAN 6/18/2025 4:11 PM

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
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- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2114

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2127

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

PROPOSED PROPERTY LINE

12 (TYP.)

INSTALL PERIMETER FENCE

PROPOSED PROPERTY LINE

PROPOSED PROPERTY LINE

MATCHLINE SEE SHEET 1A-C-2111

MATCHLINE SEE SHEET 1A-C-2120

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
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- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
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NOTES

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KEY NOTES

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7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
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16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2119

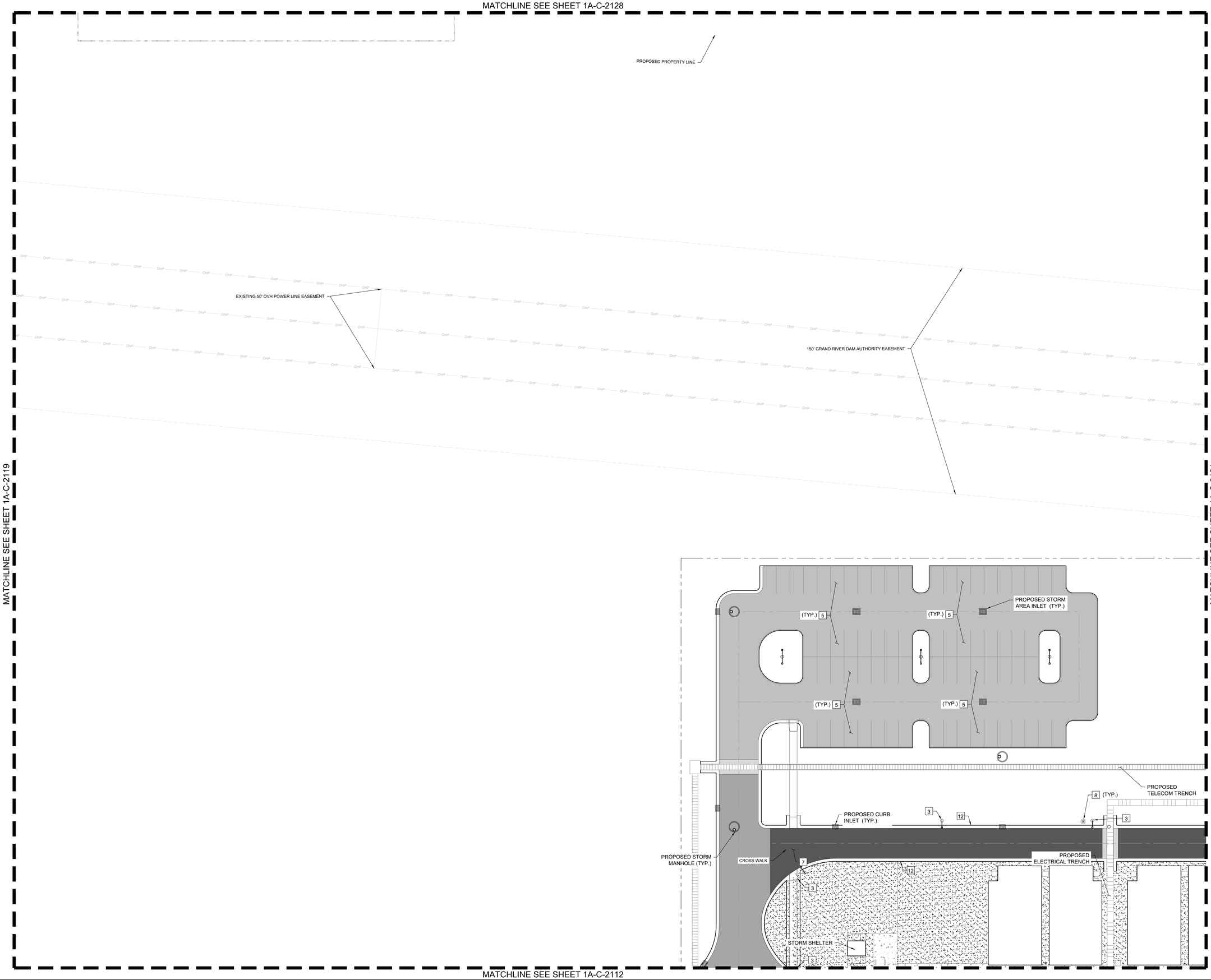
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2128

MATCHLINE SEE SHEET 1A-C-2119

MATCHLINE SEE SHEET 1A-C-2121

MATCHLINE SEE SHEET 1A-C-2112



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
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- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
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- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

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KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

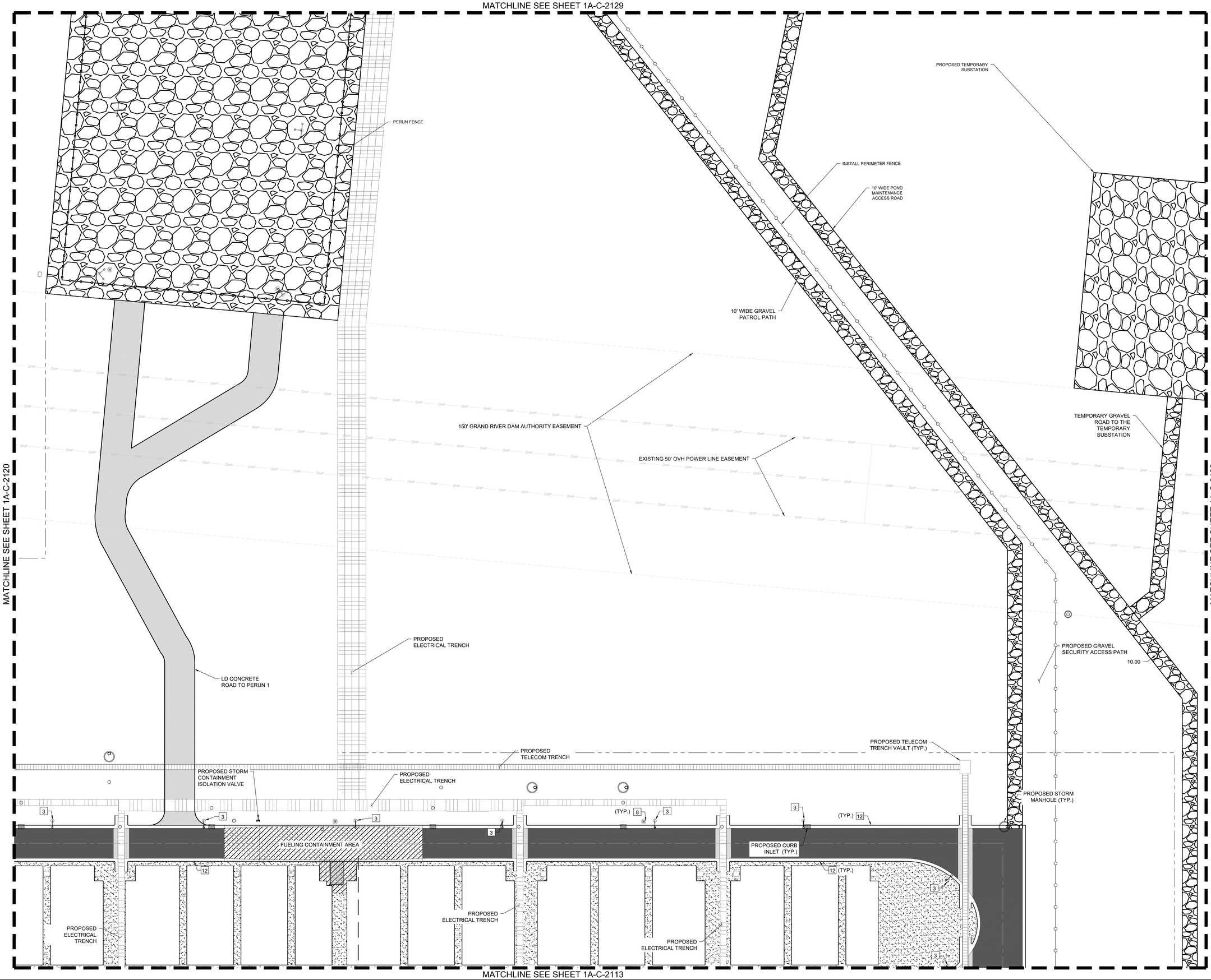
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2129



MATCHLINE SEE SHEET 1A-C-2120

MATCHLINE SEE SHEET 1A-C-2122

MATCHLINE SEE SHEET 1A-C-2113

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
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NOTES

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5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
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N

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SCALE IN FEET

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ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2121

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2130

PROPOSED TEMPORARY SUBSTATION

PROPOSED PROPERTY LINE

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

6' CHAINLINK FENCE AROUND DETENTION BASIN, WITH 15' GATE

PROPOSED DETENTION BASIN

MATCHLINE SEE SHEET 1A-C-2121

MATCHLINE SEE SHEET 1A-C-2114

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
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- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
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KEY NOTES

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2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

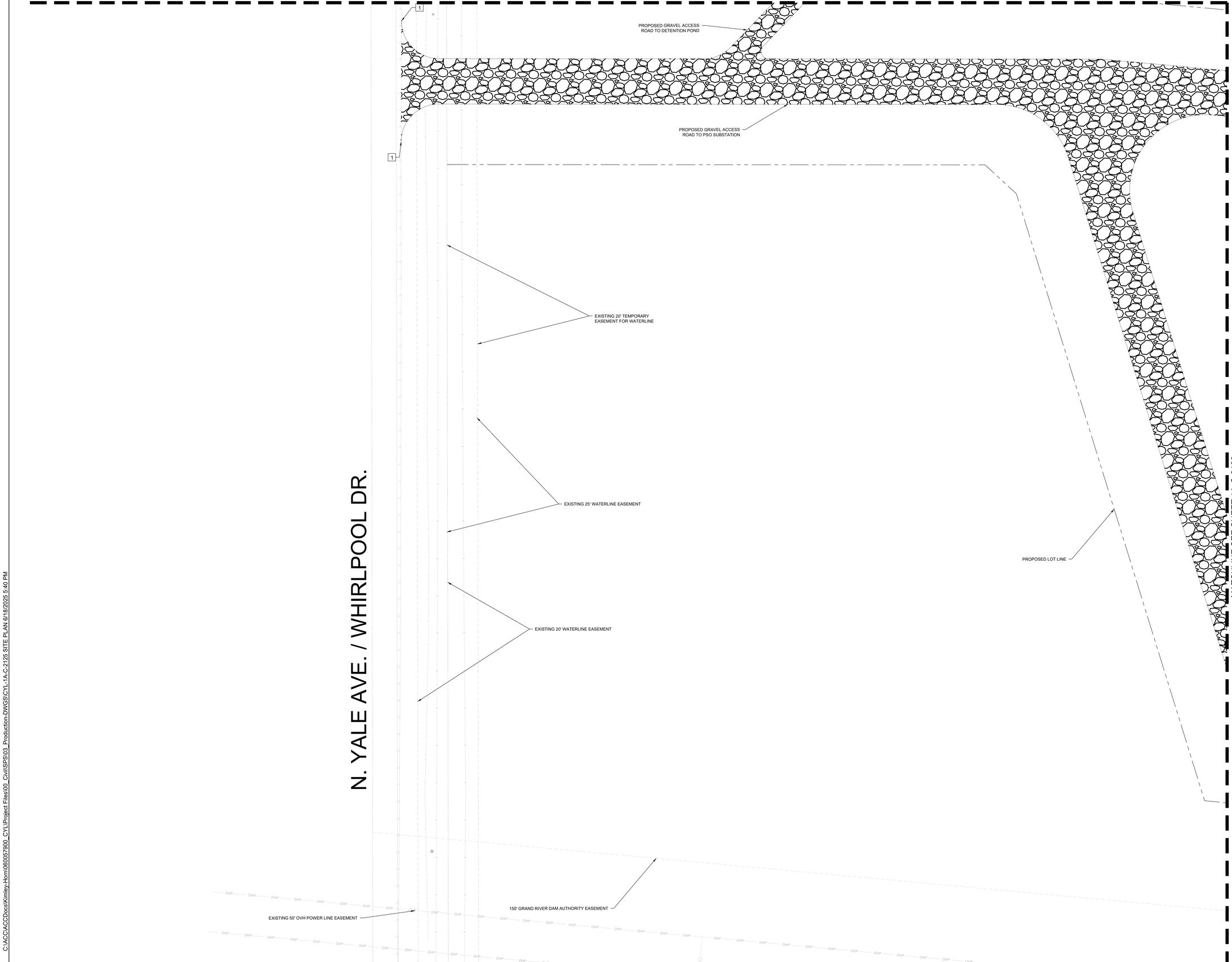
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2133



MATCHLINE SEE SHEET 1A-C-2126

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCIAACCDocs\Kimley-Horn\660057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2125 SITE PLAN 6/18/2025 5:40 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.:10434525

SITE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2125
PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2134

MATCHLINE SEE SHEET 1A-C-2125

MATCHLINE SEE SHEET 1A-C-2127

PROPOSED LOT LINE

INSTALL PERIMETER FENCE

PROPOSED PROPERTY LINE

PROPOSED SUBSTATION

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
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- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

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18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2125 SITE PLAN 6/18/2025 5:40 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2126

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2135

MATCHLINE SEE SHEET 1A-C-2126

INSTALL PERIMETER FENCE

PROPOSED PROPERTY LINE

(TYP.) 12

INSTALL PERIMETER FENCE

PROPOSED PROPERTY LINE

PROPOSED PROPERTY LINE

FUTURE
CYL 2A DC

MATCHLINE SEE SHEET 1A-C-2128

MATCHLINE SEE SHEET 1A-C-2119

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

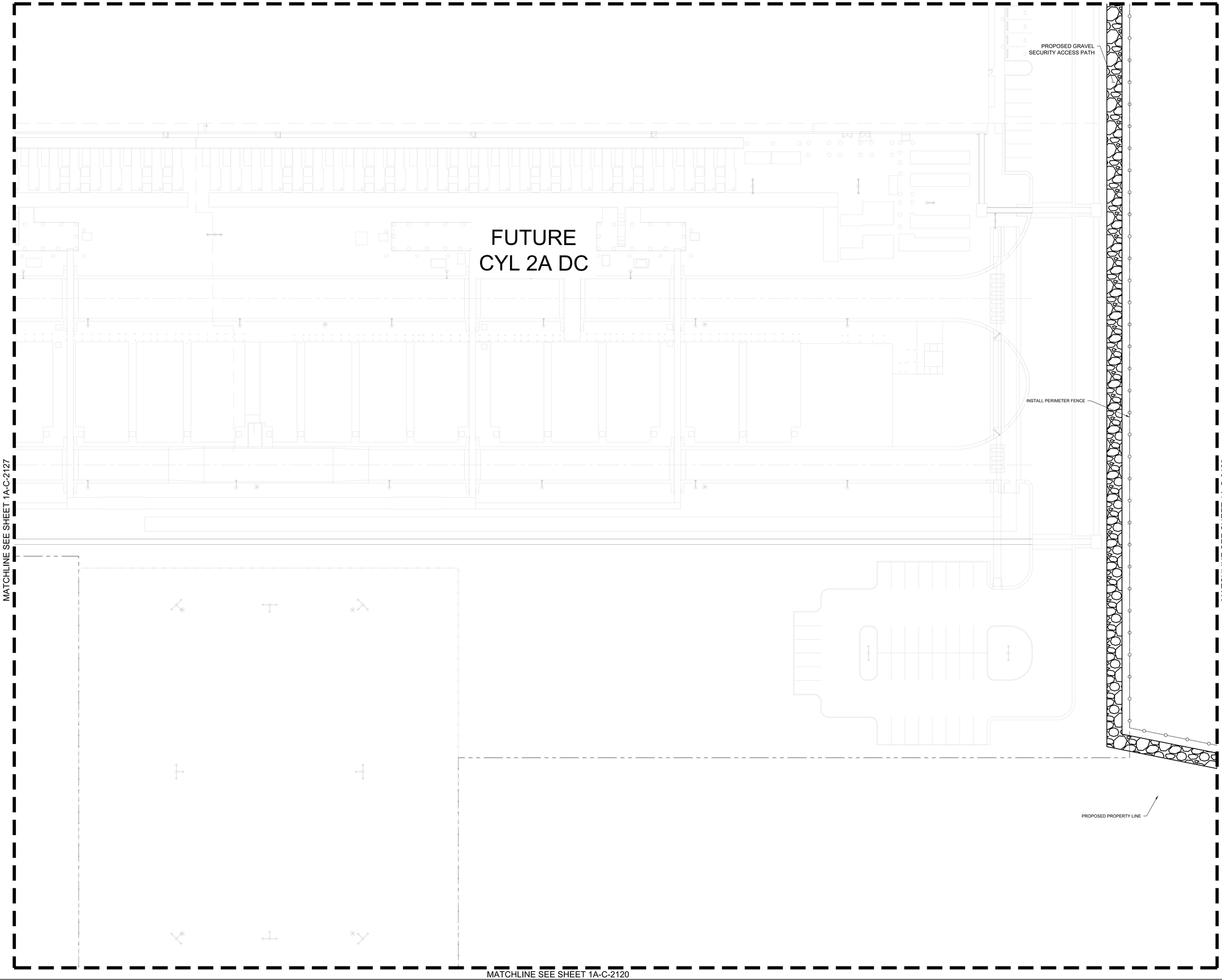
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2127

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2136



MATCHLINE SEE SHEET 1A-C-2127

MATCHLINE SEE SHEET 1A-C-2129

MATCHLINE SEE SHEET 1A-C-2120

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
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NOTES

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KEY NOTES

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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2128

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2137

MATCHLINE SEE SHEET 1A-C-2128

MATCHLINE SEE SHEET 1A-C-2130

MATCHLINE SEE SHEET 1A-C-2121

PROPOSED DETENTION BASIN

6' CHAINLINK FENCE AROUND DETENTION BASIN, WITH 15' GATE

PROPOSED PROPERTY LINE

PROPOSED GRAVEL SECURITY ACCESS PATH

INSTALL PERIMETER FENCE

6' CHAINLINK FENCE AROUND DETENTION BASIN, WITH 15' GATE

PROPOSED ELECTRICAL TRENCH

PERUN FENCE

10' WIDE POND MAINTENANCE ACCESS ROAD

PROPOSED ELECTRICAL TRENCH

10.00

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
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KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'

SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2106 SITE PLAN 6/18/2025 4:11 PM

ARCHITECTURE:
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STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2129

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2129

6' CHAINLINK FENCE AROUND DETENTION BASIN, WITH 15' GATE

PROPOSED PROPERTY LINE

MATCHLINE SEE SHEET 1A-C-2122

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
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4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

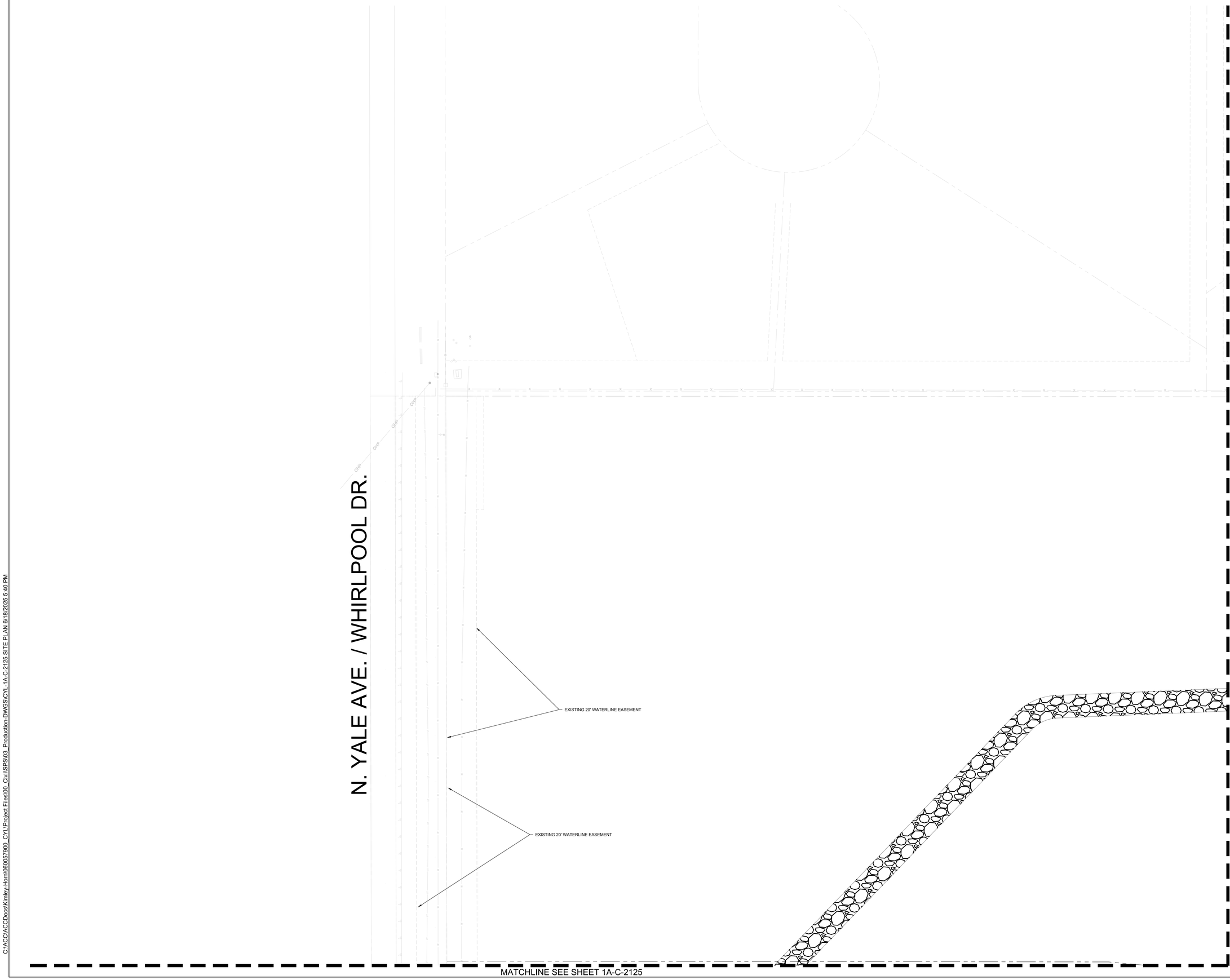
PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2130

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
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- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
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- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

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KEY NOTES

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2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-2125

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

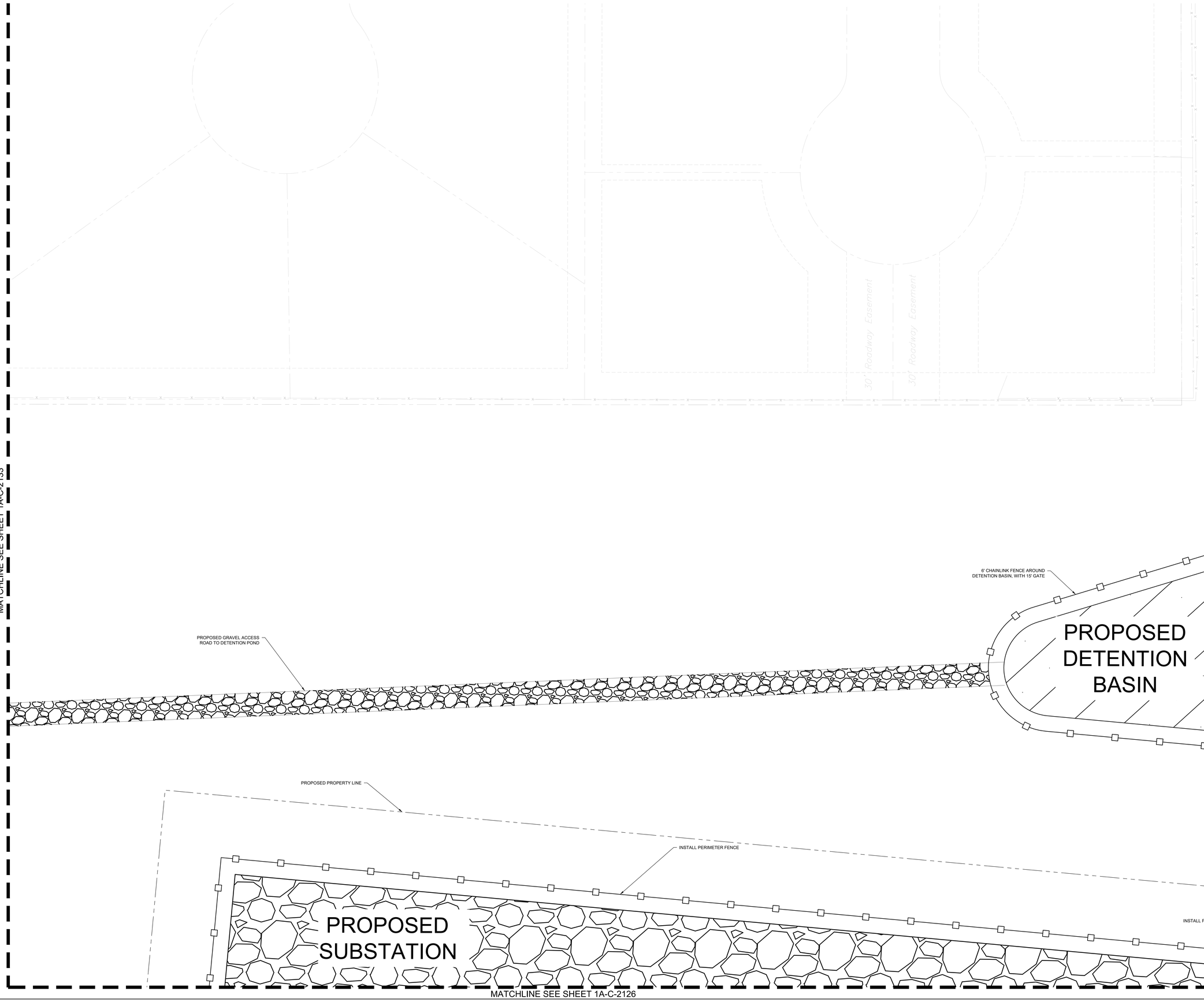
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2133
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
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NOTES

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KEY NOTES

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2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2125 SITE PLAN 6/18/2025 5:40 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2134

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2143

PROPOSED DETENTION BASIN

PROPOSED GATE. SEE PROJECT SPEC. 32 31 13.

INSTALL PERIMETER FENCE

6' CHAINLINK FENCE AROUND DETENTION BASIN, WITH 15' GATE

PROPOSED GRAVEL SECURITY ACCESS PATH

PROPOSED PROPERTY LINE

(TYP.) 12

FUTURE CYL 2A DC

PROPOSED PROPERTY LINE

MATCHLINE SEE SHEET 1A-C-2134

MATCHLINE SEE SHEET 1A-C-2136

MATCHLINE SEE SHEET 1A-C-2127

SHELL 2

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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CYL1A (E3 Drawing Set)
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

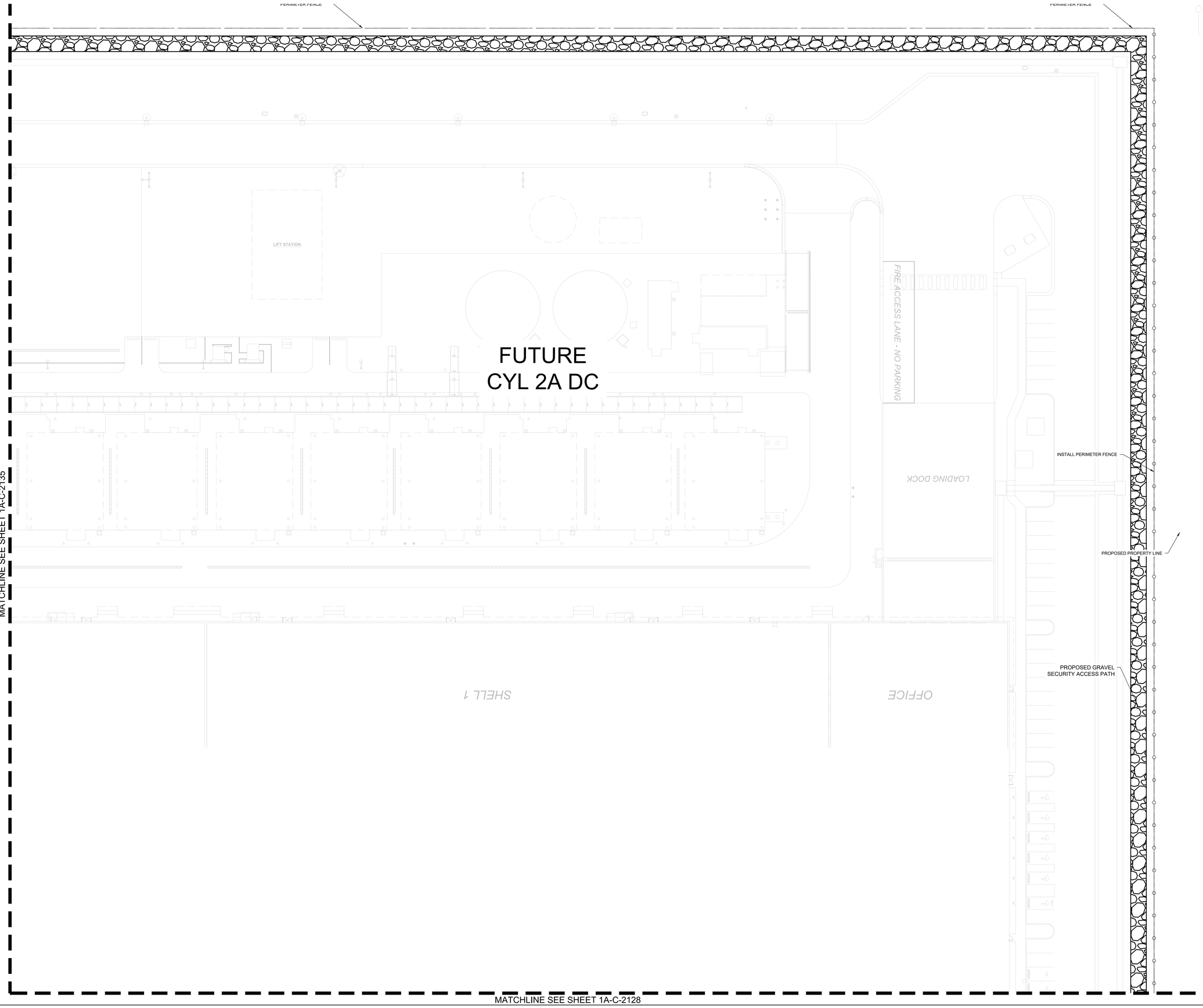
PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
14. TAPER CURB TO FINISH GRADE WITH PAVEMENT
15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2125 SITE PLAN 6/18/2025 5:40 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

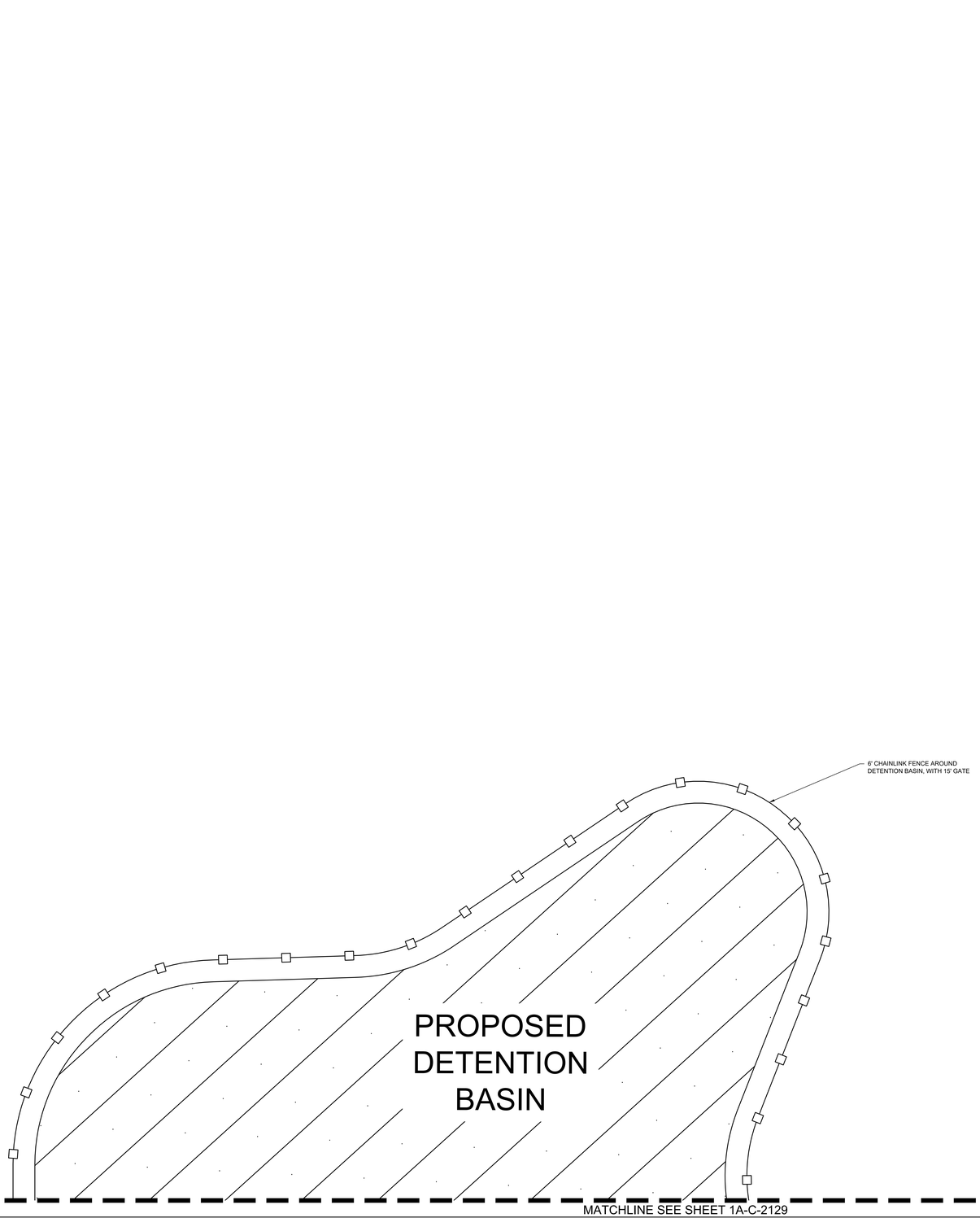
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2136

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2106 SITE PLAN 6/18/2025 4:11 PM

MATCHLINE SEE SHEET 1A-C-2136



MATCHLINE SEE SHEET 1A-C-2129

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
3. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.
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5. ALL FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPEC. SECTION 32 31 13 - FENCES AND GATES.

KEY NOTES

1. CONNECT TO EXISTING CURB
2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
13. TRANSITION CURB TYPES OVER MIN. 5'
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15. CONCRETE STOOP (SEE DETAIL 9, SHEET 2A-C-2502)
16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2137

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- PROPERTY BOUNDARY FENCE
- TEMPORARY SECURITY FENCE
- HIGH SECURITY, ANTI-CLIMB, IRON FENCE WITH ANTI-RAM BARRIER RAIL
- HIGH SECURITY, ANTI-CLIMB IRON/MESH FENCE
- CHAIN-LINK FENCE
- CONCRETE SIDEWALK
- AGGREGATE SURFACING
- HEAVY DUTY CONCRETE PAVING
- MEDIUM DUTY CONCRETE PAVING
- LIGHT DUTY CONCRETE PAVING
- LIGHT DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- FUEL DELIVERY AREA

NOTES

1. REFER TO SITE GEOMETRIC SHEETS 1A-C-2303 - 1A-C-2343 FOR SITE DIMENSIONS AND RADII.
2. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
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4. WHERE PAVEMENT IS PLACED AROUND EXISTING AND PROPOSED MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES, CONTRACTOR TO INSTALL PAVEMENT TO THE SAME ELEVATION AS STRUCTURE TOP AND ENSURE A SMOOTH TRANSITION FROM PROPOSED PAVEMENT TO TOP OF STRUCTURE.
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KEY NOTES

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2. 5" CONCRETE SIDEWALK (UNLESS OTHERWISE NOTED) (SEE DETAIL 1, SHEET 2A-C-2502
3. SITE LIGHTING (TYP.), SEE ELECTRICAL PLANS
4. ACCESSIBLE PARKING (SEE DETAIL ON 2A-C-2500)
5. 9'X18' PARKING SPACES (SEE DETAIL ON SHEET 2A-C-2500)
6. ACCESSIBLE (ADA) COMPLIANT CURB RAMP (SEE DETAIL ON SHEET 2A-C-2500)
7. STRIPED CROSS WALK (SEE DETAIL 4, SHEET 2A-C-2501)
8. SECURITY CAMERA POLE (TYP.), SEE SECURITY PLANS.
9. STANDARD CURB AND GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
10. FIXED SITE BOLLARD (SEE DETAIL 5, SHEET 2A-C-2501)
11. REMOVABLE SITE BOLLARD (SEE DETAIL 3, 2A-C-2501)
12. MOUNTABLE CURB & GUTTER (SEE DETAIL ON SHEET 2A-C-2500)
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16. BARRIER CURB
17. LANDING (SEE DETAIL 8, SHEET 2A-C-2502)
18. CONCRETE WHEELSTOP (SEE DETAIL 6, SHEET 2A-C-2501)

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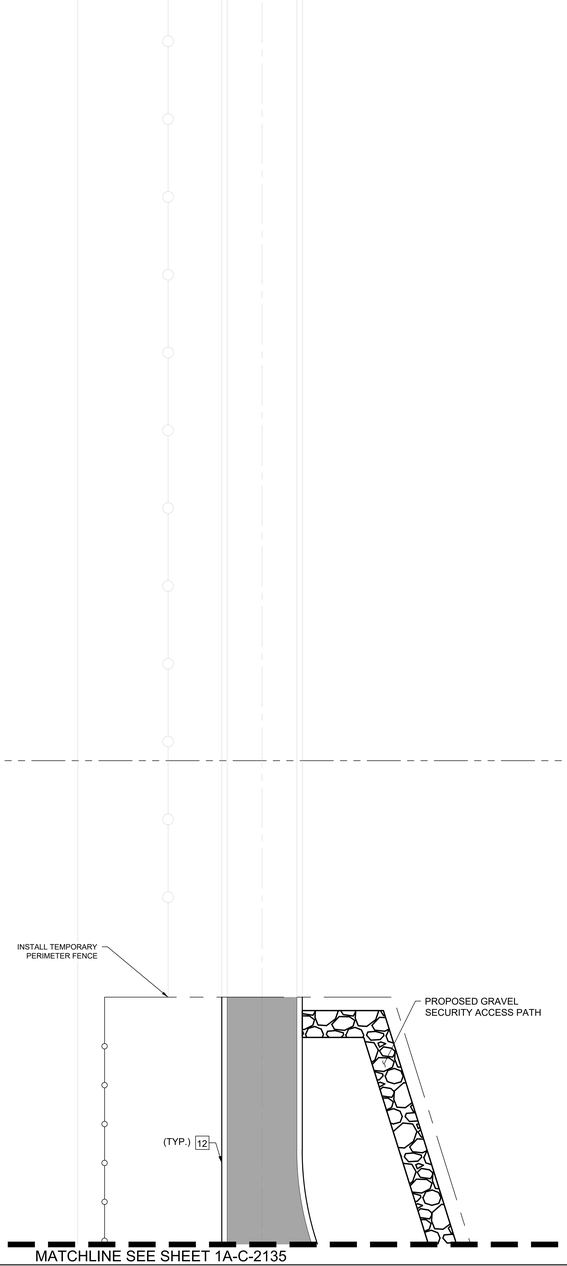

MATCHLINE SEE SHEET 1A-C-2135

N

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SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

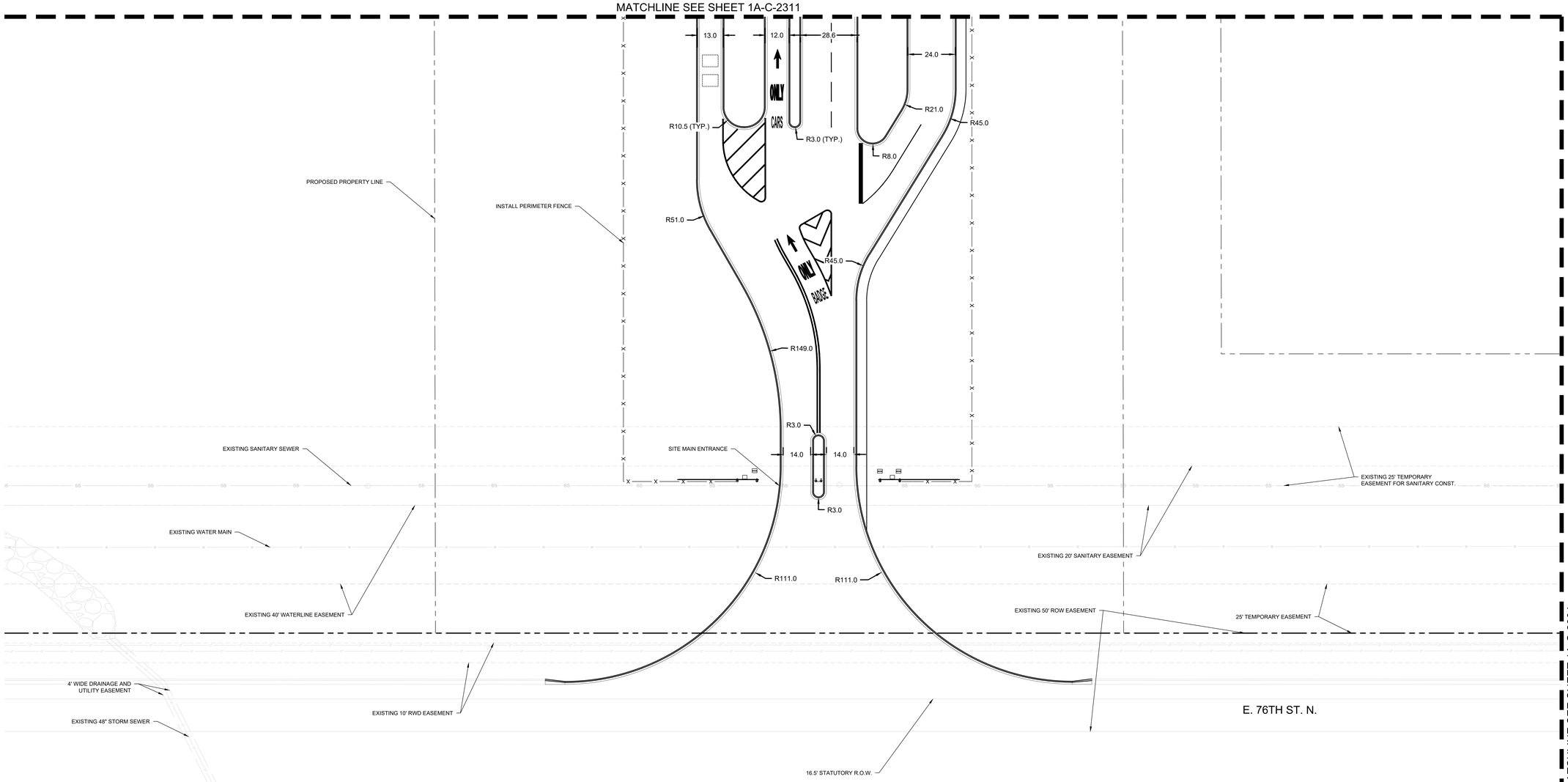
SITE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2143

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2311



MATCHLINE SEE SHEET 1A-C-2304

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

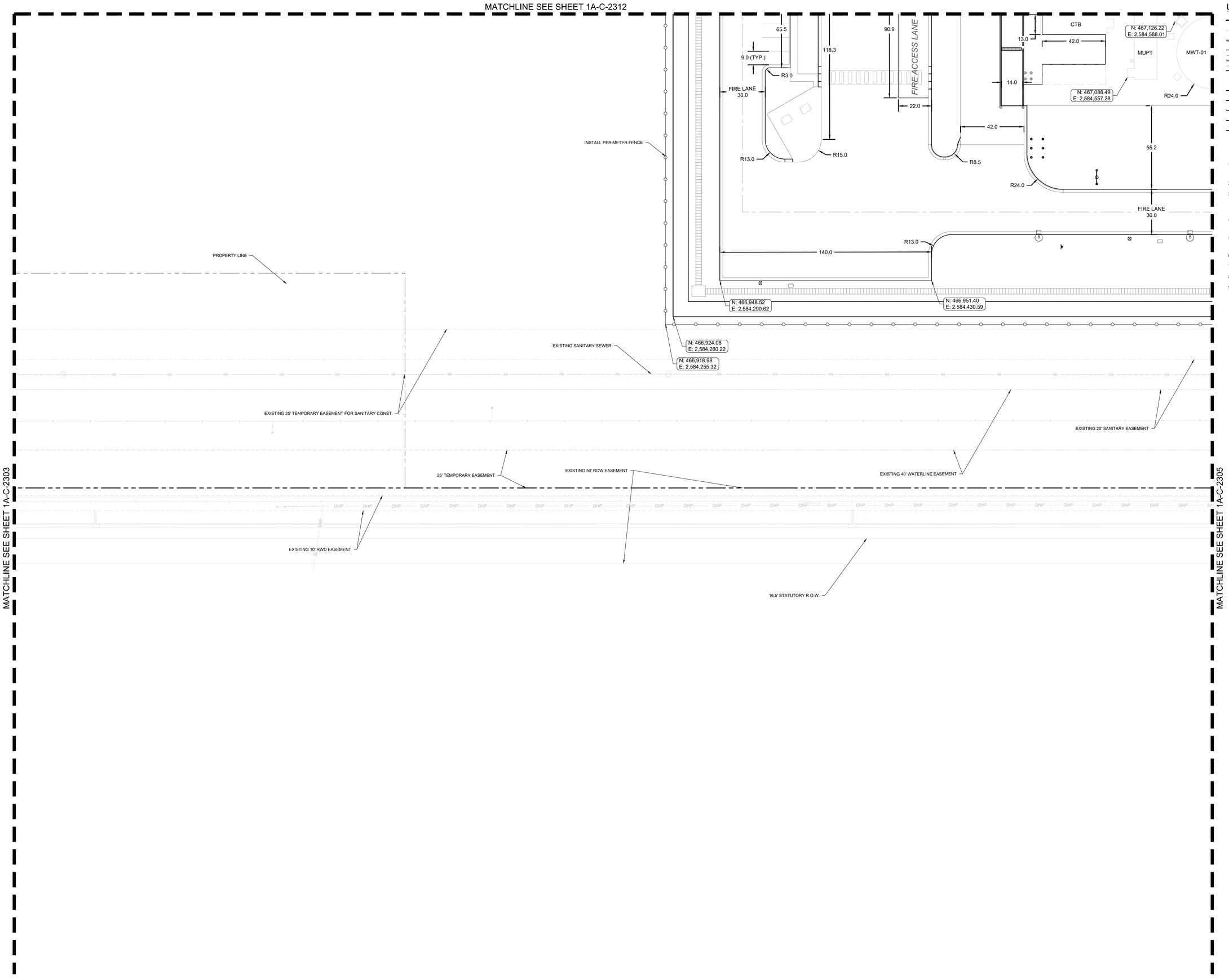
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2303
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
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5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2301 SITE GEOMETRIC PLAN 8/15/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2304

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2313

MATCHLINE SEE SHEET 1A-C-2304

MATCHLINE SEE SHEET 1A-C-2306

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E: 2,584,644.30

MWT-01

MWT-02

R24.0

R24.0

N: 467,127.29
E: 2,584,747.19

11.0

11.0

N: 467,130.52
E: 2,584,911.88

108.8

N: 467,073.72
E: 2,584,748.30

FIRE LANE
30.0

FIRE LANE
30.0

5.0

INSTALL PERIMETER FENCE

R48.0

N: 466,999.59
E: 2,585,287.28

5.0

10.0

INSTALL PERIMETER FENCE

N: 466,945.61
E: 2,585,303.39

N: 466,940.72
E: 2,585,308.50

EXISTING SANITARY SEWER

EXISTING 25' TEMPORARY EASEMENT FOR SANITARY CONST.

25' TEMPORARY EASEMENT

EXISTING 50' ROW EASEMENT

EXISTING 40' WATERLINE EASEMENT

EXISTING 10' RWD EASEMENT

16.5' STATUTORY R.O.W.

EXISTING TELECOM

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2301 SITE GEOMETRIC PLAN 8/15/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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STRUCTURE:
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2305

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2314

MATCHLINE SEE SHEET 1A-C-2305

C:\ACCUACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2306 SITE GEOMETRIC PLAN 6/30/2025 1:19 PM

10.0

N: 467,000.26
E: 2,585,416.46

N: 467,006.86
E: 2,585,736.39

INSTALL PERIMETER FENCE

EXISTING 25' TEMPORARY EASEMENT FOR SANITARY CONST.

EXISTING 40' WATERLINE EASEMENT

EXISTING 50' ROW EASEMENT

25' TEMPORARY EASEMENT

EXISTING 40' WATERLINE EASEMENT

EXISTING WATER LINE

EXISTING TELECOM

EXISTING 10' RWD EASEMENT

EXISTING OVERHEAD POWER LINES

16.5' STATUTORY R.O.W.

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
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N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

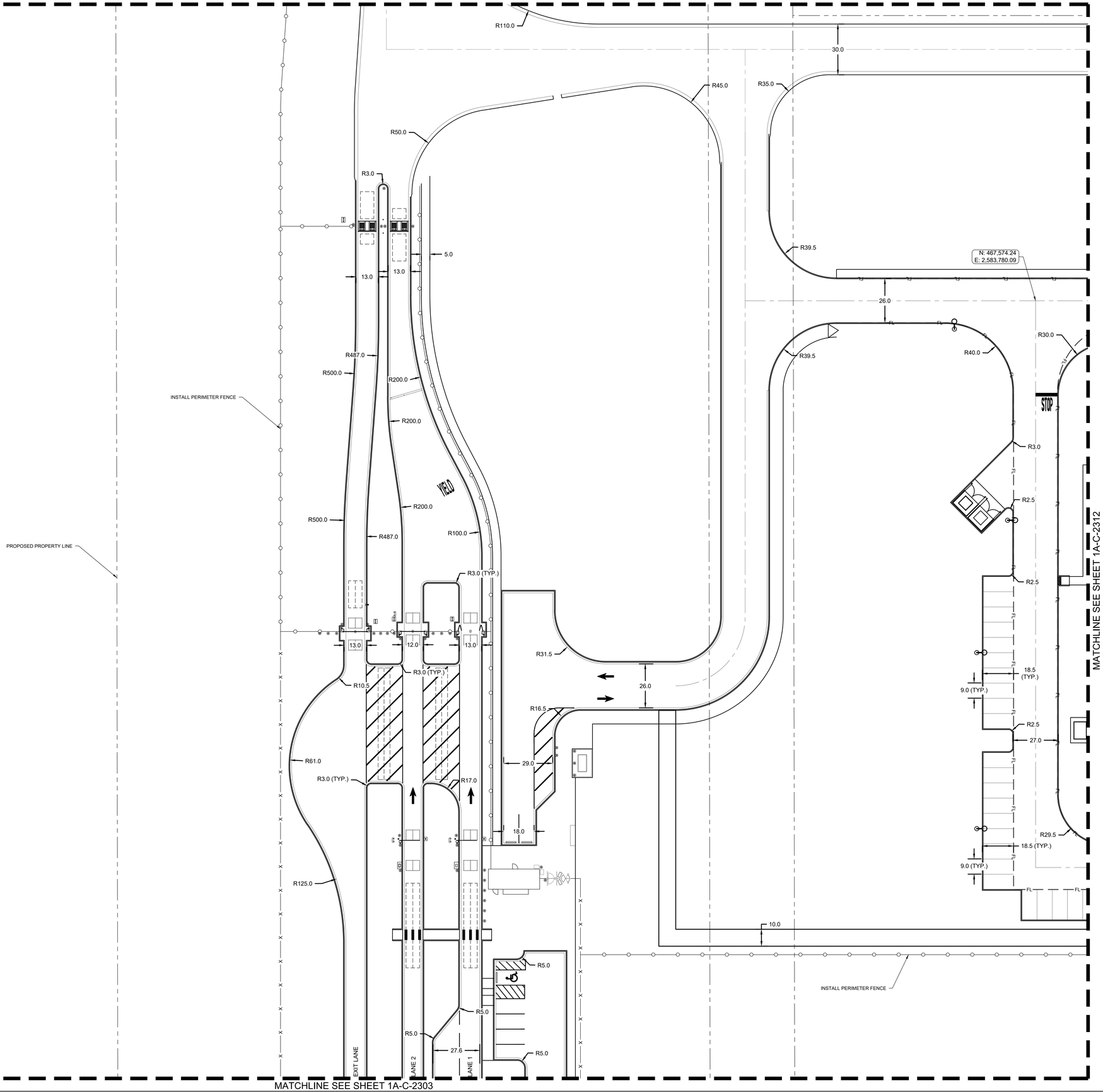
SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2306

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2319



MATCHLINE SEE SHEET 1A-C-2303

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

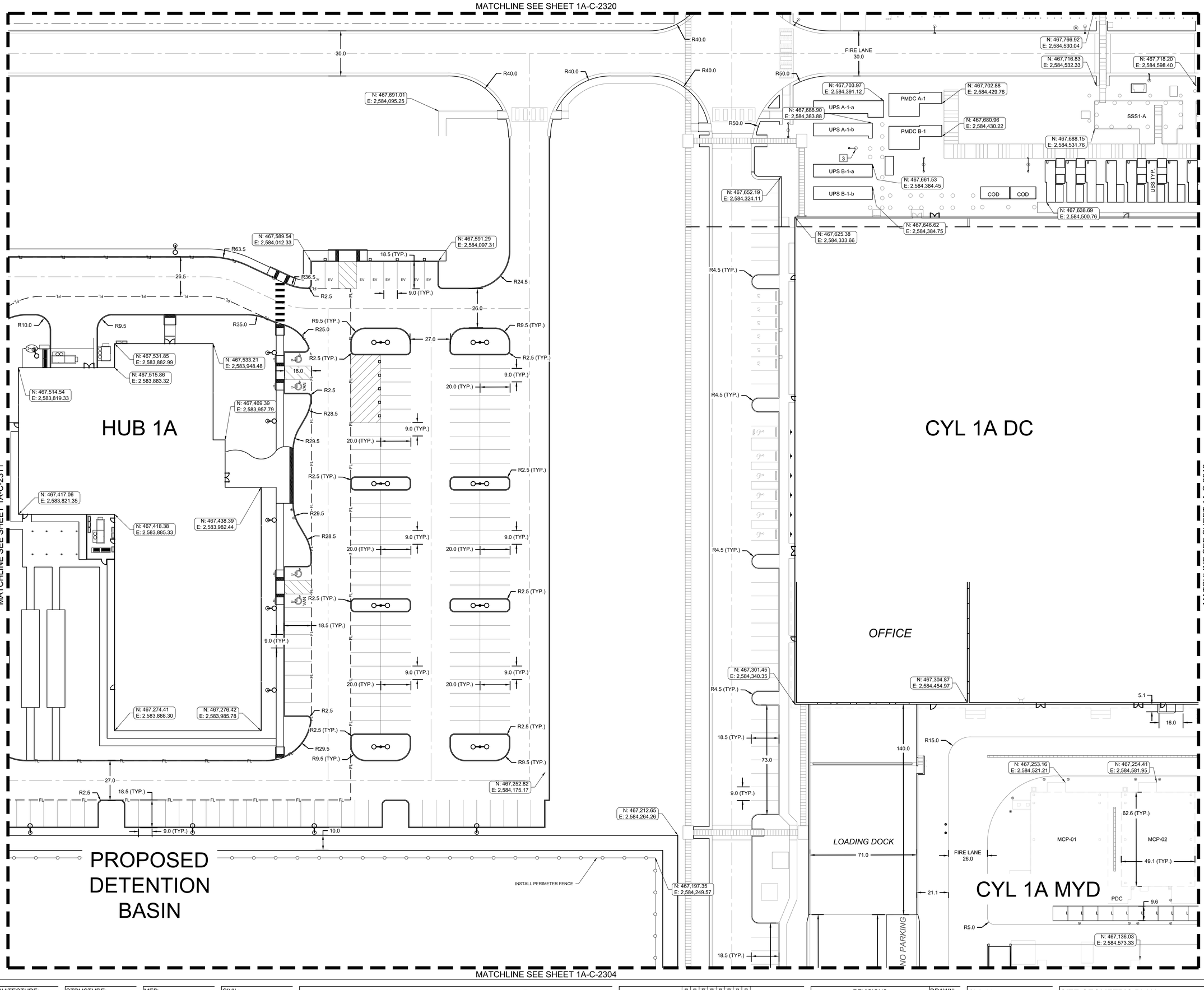
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2311

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

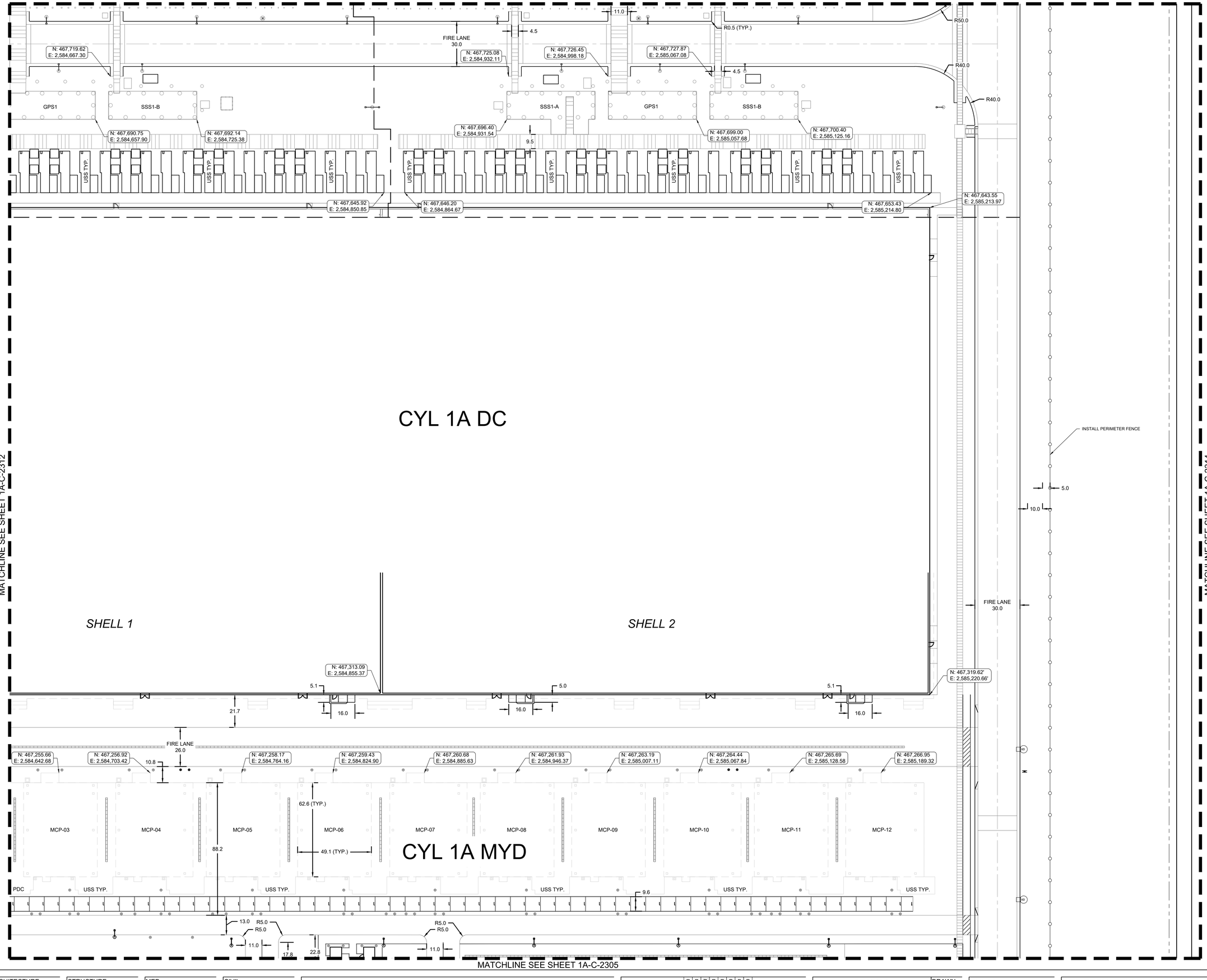
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2312
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2321



MATCHLINE SEE SHEET 1A-C-2312

MATCHLINE SEE SHEET 1A-C-2314

MATCHLINE SEE SHEET 1A-C-2305

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2313

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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MATCHLINE SEE SHEET 1A-C-2322

MATCHLINE SEE SHEET 1A-C-2313

PROPOSED DETENTION BASIN

10.0

INSTALL PERIMETER FENCE

150' GRAND RIVER DAM AUTHORITY EASEMENT

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-2306

ARCHITECTURE:
HDR Architecture, Inc.
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2314

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCOACCDocs\Kimley-Horn\0600057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2306 SITE GEOMETRIC PLAN 6/30/2025 1:19 PM

MATCHLINE SEE SHEET 1A-C-2327

R242.0

R268.0

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

R268.0

R242.0

INSTALL PERIMETER FENCE

PROPOSED PROPERTY LINE

30.0

PROPOSED PROPERTY LINE

R112.0

MATCHLINE SEE SHEET 1A-C-2311

MATCHLINE SEE SHEET 1A-C-2320

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
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MEP:
HDR Engineering, Inc.
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CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2319

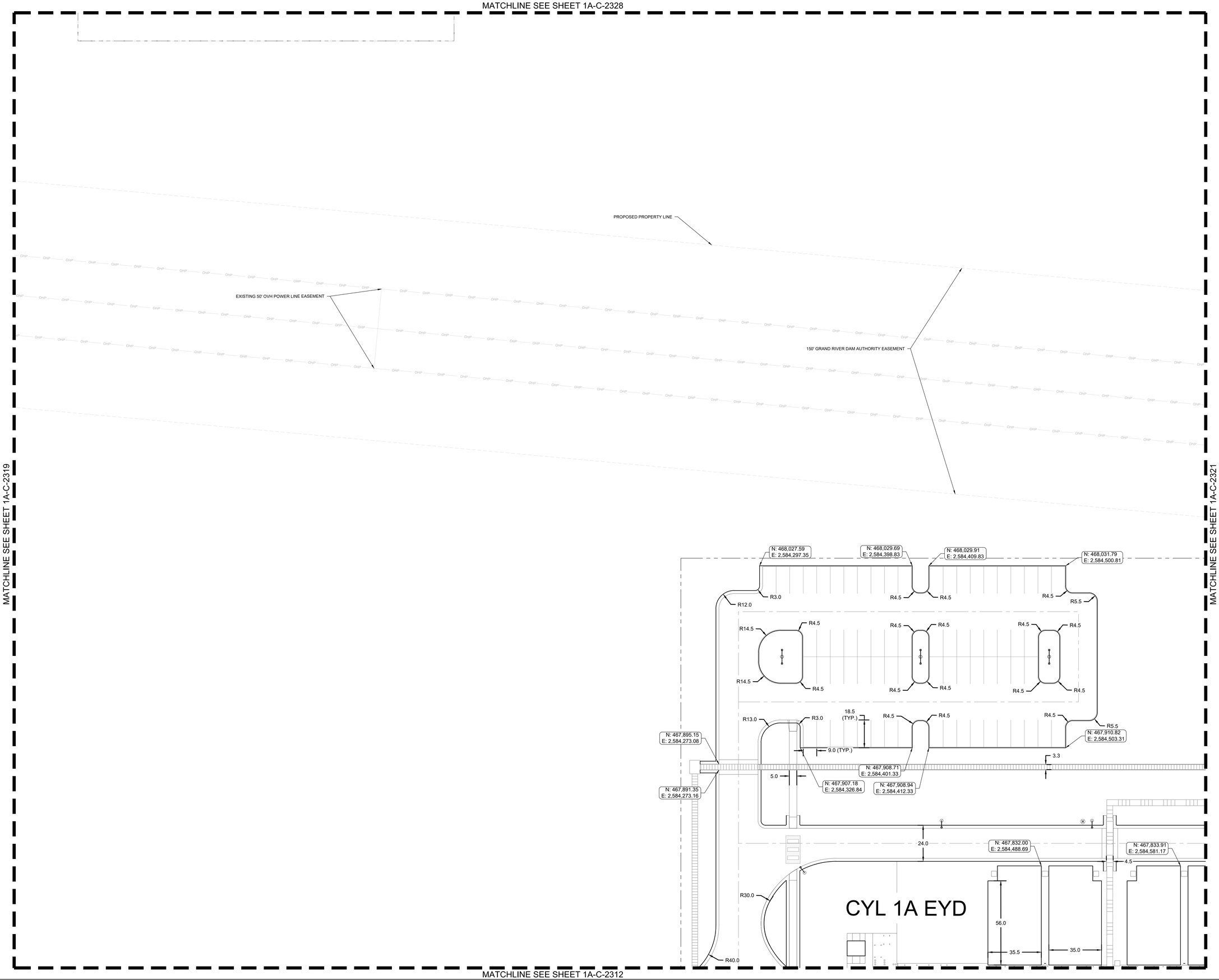
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2328

MATCHLINE SEE SHEET 1A-C-2319

MATCHLINE SEE SHEET 1A-C-2321

MATCHLINE SEE SHEET 1A-C-2312



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCUACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2301 SITE GEOMETRIC PLAN 8/15/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
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STRUCTURE:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2320

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2329

MATCHLINE SEE SHEET 1A-C-2320

MATCHLINE SEE SHEET 1A-C-2322

MATCHLINE SEE SHEET 1A-C-2313

N: 468,215.09
E: 2,584,610.94

N: 468,201.20
E: 2,584,805.45

N: 468,405.61
E: 2,585,312.55

N: 468,314.09
E: 2,585,082.81

INSTALL PERIMETER FENCE

N: 468,166.22
E: 2,585,295.46

150' GRAND RIVER DAM AUTHORITY EASEMENT

EXISTING 50' OVH POWER LINE EASEMENT

N: 468,032.10
E: 2,585,348.52

N: 468,036.99
E: 2,585,270.87

N: 467,961.27
E: 2,585,371.61

N: 467,875.11
E: 2,585,269.21

N: 467,835.36
E: 2,584,651.32

N: 467,837.26
E: 2,584,743.64

N: 467,838.44
E: 2,584,800.79

N: 467,840.29
E: 2,584,890.47

N: 467,841.00
E: 2,584,924.63

N: 467,842.90
E: 2,585,016.94

N: 467,844.81
E: 2,585,109.42

N: 467,845.99
E: 2,585,166.58

FUELING CONTAINMENT AREA

CYL 1A EYD

20.0
9.5
3.3
4.5
R10.0
23.3
23.3
4.5
4.5
20.0
15.2
8.5
52.9
24.5
35.5
65.9
31.0
21.5
55.9
R50.0
5.0
10.0

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
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Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

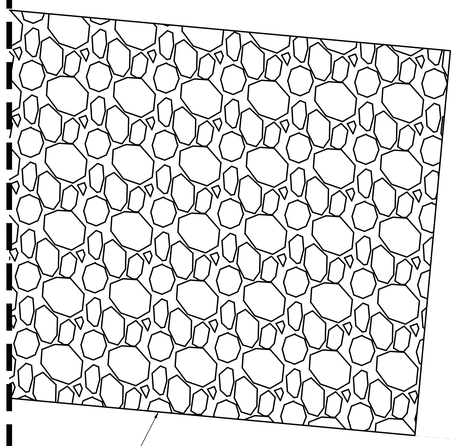
SHEET NUMBER:
1A-C-2321

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2301 SITE GEOMETRIC PLAN 8/15/2025 11:15 AM

MATCHLINE SEE SHEET 1A-C-2330

MATCHLINE SEE SHEET 1A-C-2321



N: 468,155.97
E: 2,585,439.10

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

N: 467,925.77
E: 2,585,397.35

10.0

N: 467,932.37
E: 2,585,717.28

MATCHLINE SEE SHEET 1A-C-2314

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
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5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

Use of Reserv

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2306 SITE GEOMETRIC PLAN 6/30/2025 1:19 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2322

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2333

R25.0

R25.0

15.0

R5.0

R50.0

30.0

R25.0

R50.0

R50.0

30.0

EXISTING 20' TEMPORARY EASEMENT FOR WATERLINE

EXISTING 20' WATERLINE EASEMENT

MATCHLINE SEE SHEET 1A-C-2326

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2325 SITE GEOMETRIC PLAN 8/15/2025 11:52 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

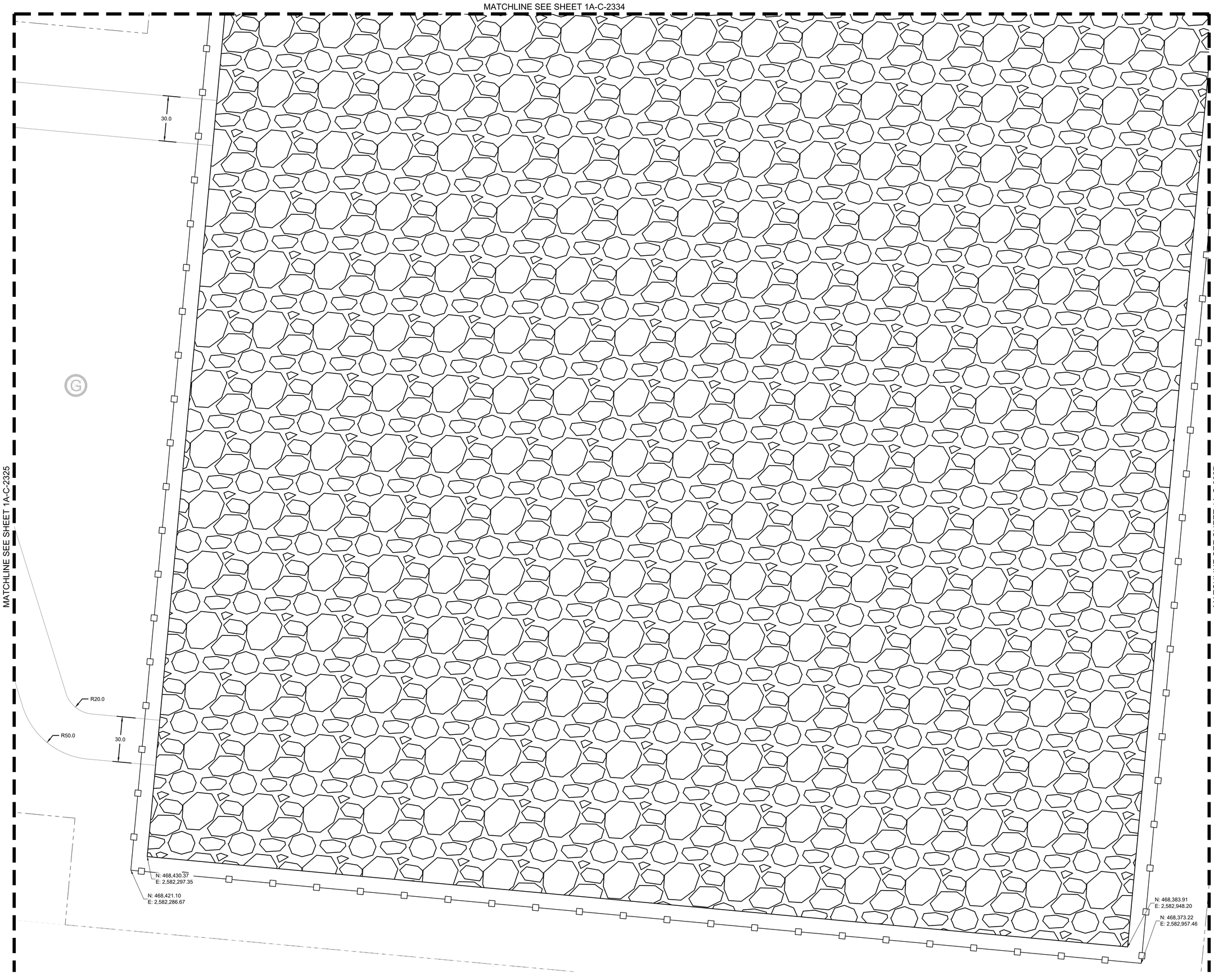
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2325

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2326

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2335

MATCHLINE SEE SHEET 1A-C-2326

MATCHLINE SEE SHEET 1A-C-2328

INSTALL PERIMETER FENCE

30.0

43.6

MATCHLINE SEE SHEET 1A-C-2319

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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N

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SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2325 SITE GEOMETRIC PLAN 8/15/2025 11:52 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

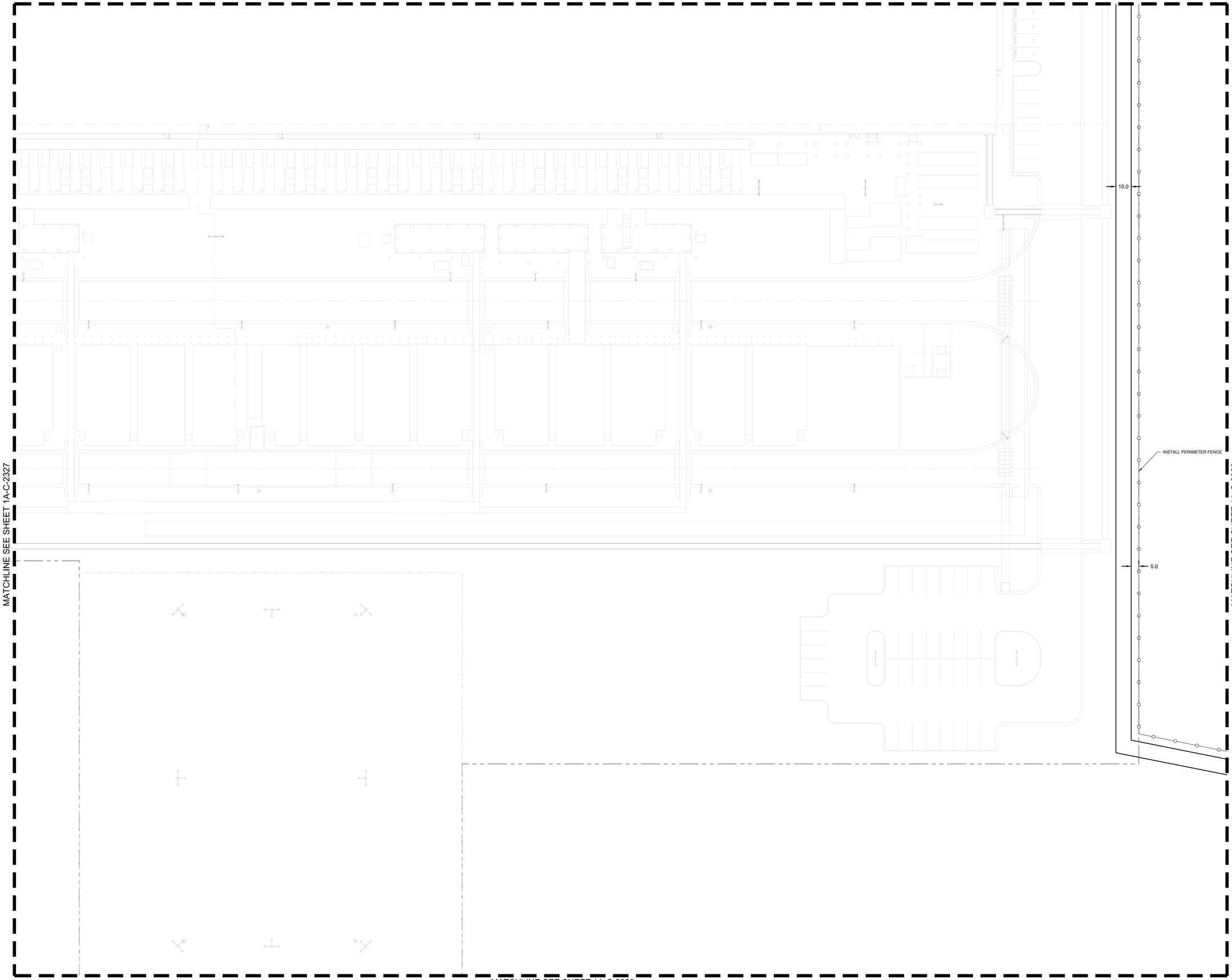
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2327

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

SCALE: AS SHOWN

MATCHLINE SEE SHEET 1A-C-2336



MATCHLINE SEE SHEET 1A-C-2327

MATCHLINE SEE SHEET 1A-C-2329

MATCHLINE SEE SHEET 1A-C-2320

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2325 SITE GEOMETRIC PLAN 8/15/2025 11:52 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2328

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8

MATCHLINE SEE SHEET 1A-C-2328

MATCHLINE SEE SHEET 1A-C-2330

PROPOSED DETENTION BASIN

10.0

14.6

5.0

INSTALL PERIMETER FENCE

N: 468,472.43
E: 2,584,629.31

N: 468,458.55
E: 2,584,823.82

MATCHLINE SEE SHEET 1A-C-2321

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2329

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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MATCHLINE SEE SHEET 1A-C-2329

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

MATCHLINE SEE SHEET 1A-C-2322

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SCALE IN FEET

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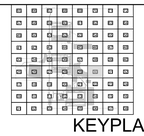
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18



KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

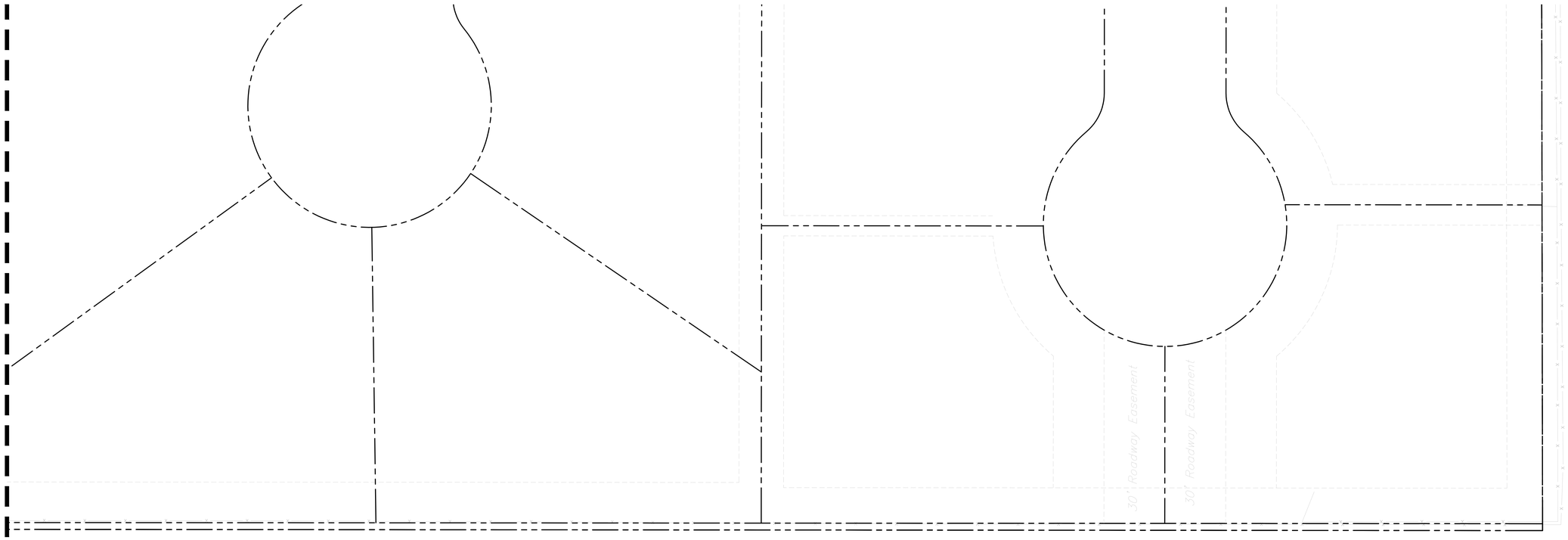
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2330

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
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8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

MATCHLINE SEE SHEET 1A-C-2333

MATCHLINE SEE SHEET 1A-C-2335

15.0

N: 469,062.76
E: 2,582,342.50

N: 469,073.44
E: 2,582,333.23

MATCHLINE SEE SHEET 1A-C-2326

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

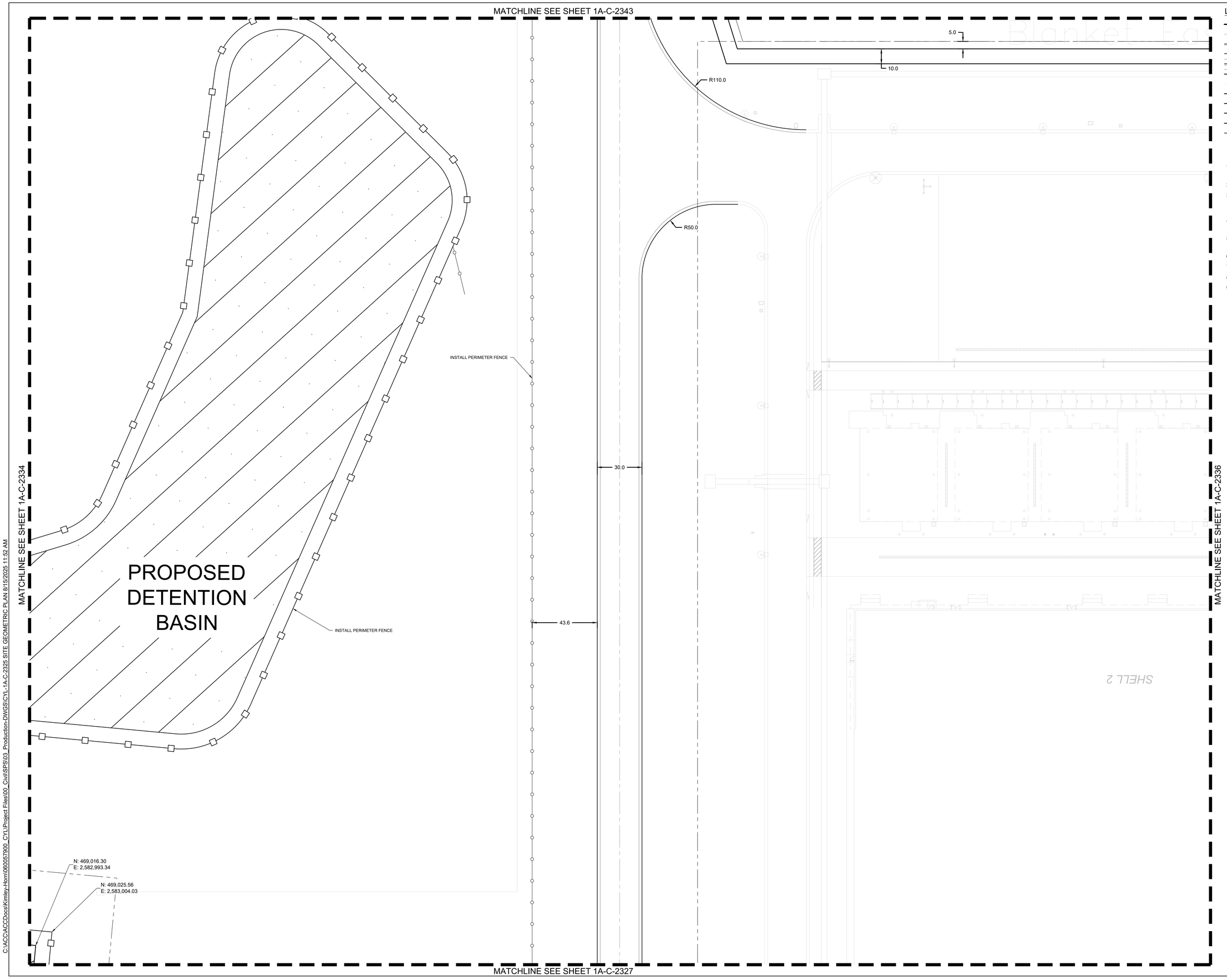
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2334

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

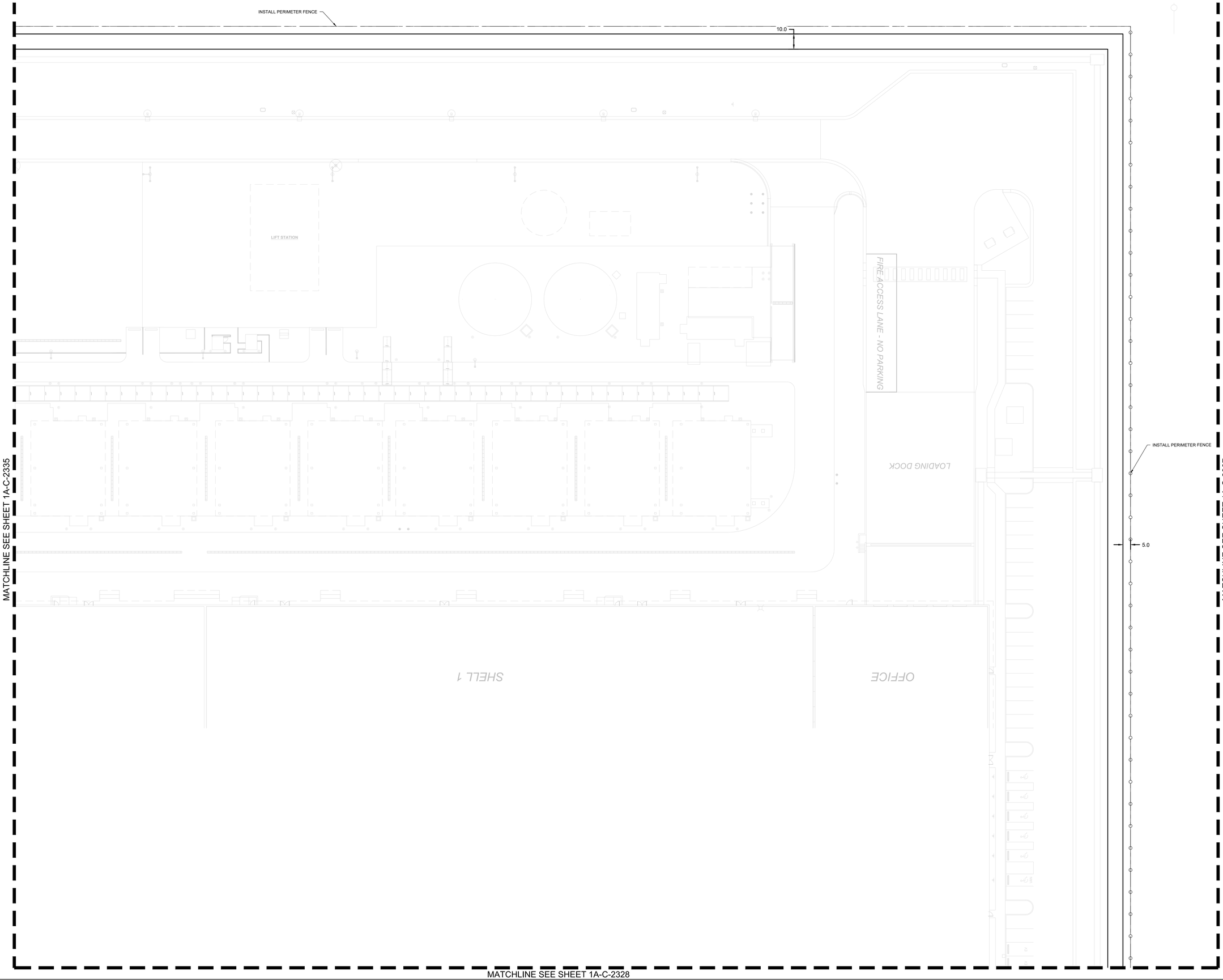
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2335

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

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N

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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

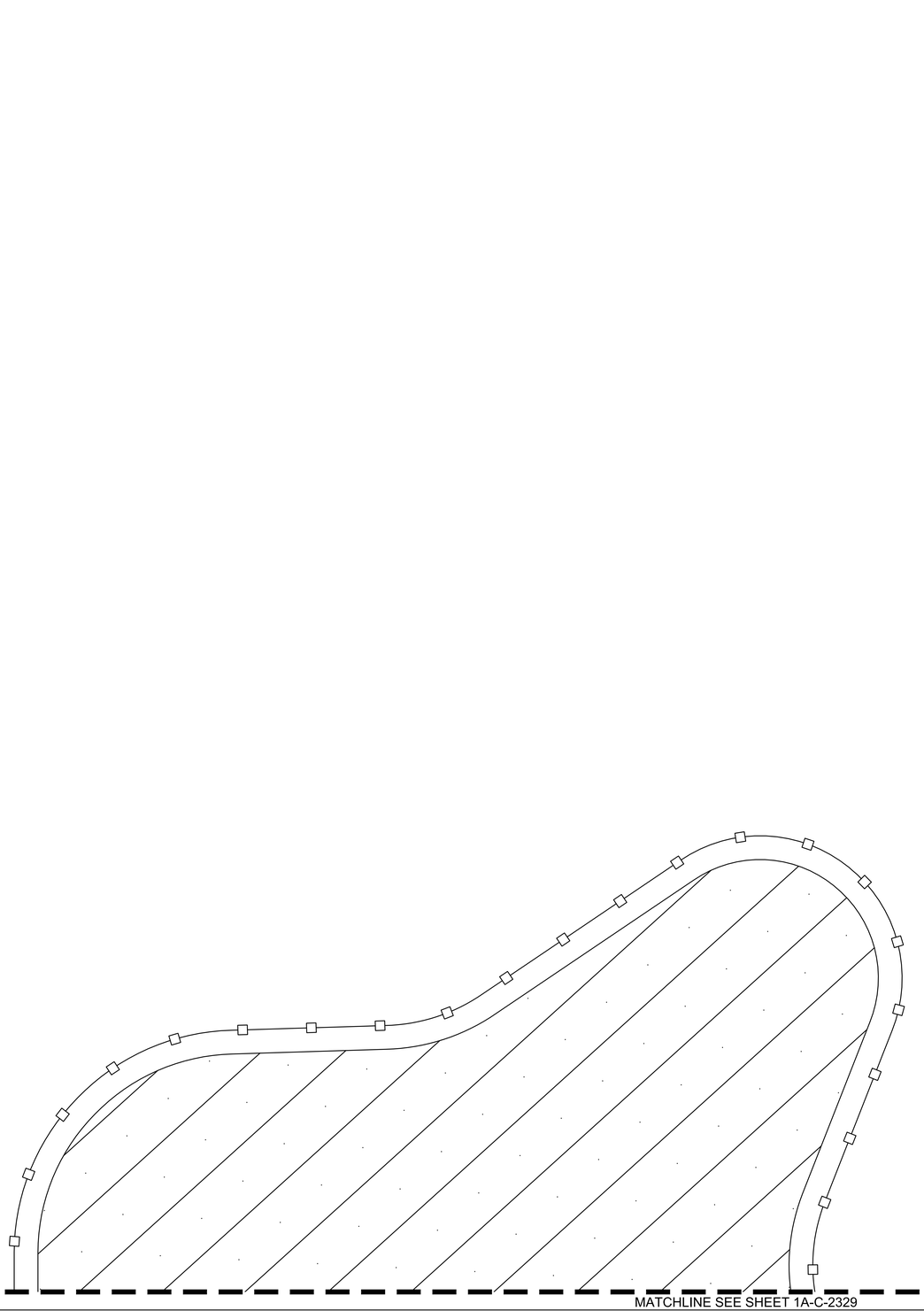
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2336
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2306 SITE GEOMETRIC PLAN 6/30/2025 1:19 PM

MATCHLINE SEE SHEET 1A-C-2336



MATCHLINE SEE SHEET 1A-C-2329

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
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8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2337

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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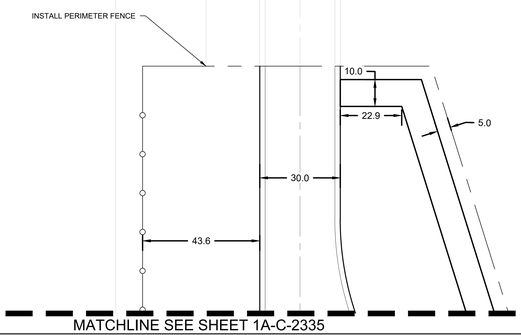
LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- CHAIN-LINK FENCE

NOTES

1. DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
2. CURB RADII ARE 3' UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ALL INFORMATION ON PROPOSED BUILDING INFRASTRUCTURE AND CONNECTIONS.
4. PAVEMENT JOINTS AS PER DETAIL 16 ON SHEET 2A-C-2501 AND GEOTECHNICAL RECOMMENDATIONS
5. PARKING STRIPS PER DETAIL 18 SHEET 2A-C-2501. LAYOUT PER PLAN
6. SEE SHEETS C-3200 - C-3321 FOR STORM DRAIN
7. SEE SHEETS C-5000 - C-5501 FOR SANITARY SEWER
8. SEE SHEETS C-8000 - C-8145 FOR COMPOSITE UTILITIES
9. REFER TO ELECTRICAL PLANS FOR ALL INFORMATION ON LIGHT POLE DETAILS, FOUNDATIONS, AND CONDUIT PLACEMENT.



MATCHLINE SEE SHEET 1A-C-2335

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

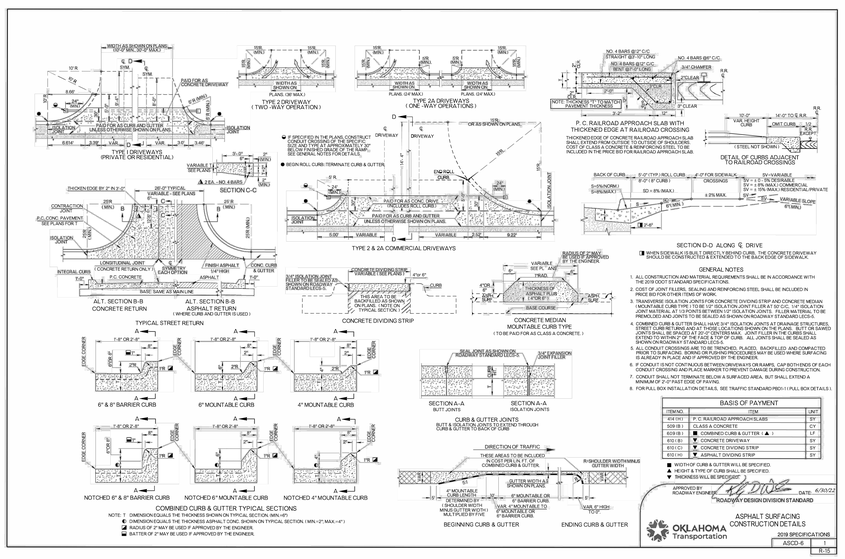
PROJ. NO.: 10434525

SITE GEOMETRIC PLAN

SCALE: AS SHOWN

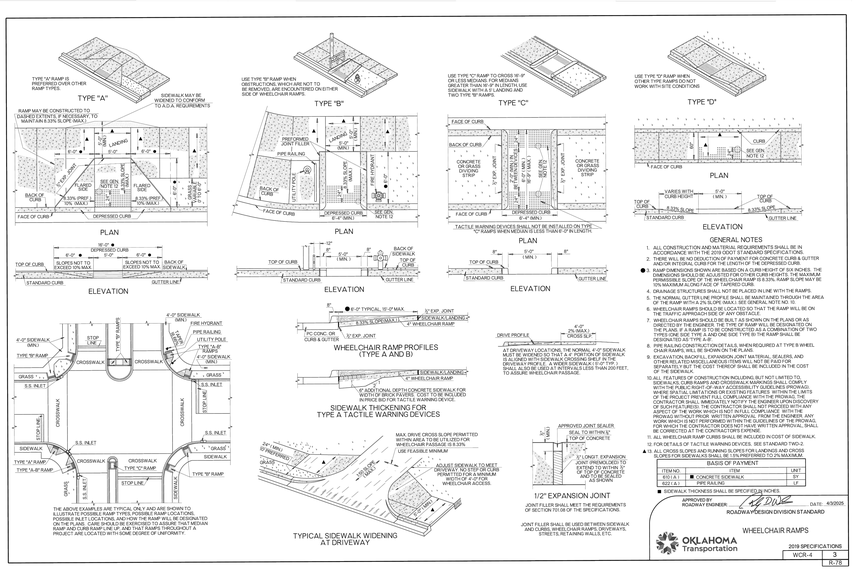
SHEET NUMBER:
1A-C-2343

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



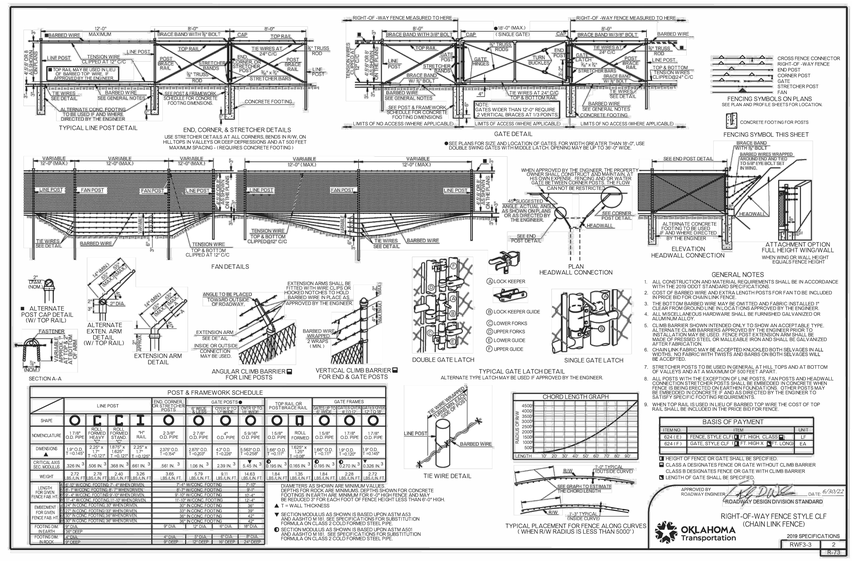
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. COST OF JOINT FILLERS, SEALING AND REINFORCING STEEL SHALL BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.
3. CONTRACTION JOINTS SHALL BE IN CONCRETE DIVIDING STRIP AND CONCRETE MEDIAN MOUNTABLE CURB TYPE. CUT 1/3" ISOLATION JOINT FILLER AT 50' (C). 1/4" ISOLATION JOINT MATERIAL AT 1/3 POINTS BETWEEN 10" ISOLATION JOINTS. FILLER MATERIAL TO BE PREMOLDED AND JOINTS TO BE SEALED AS SHOWN ON ROADWAY STANDARD LSCS-5.
4. COMBINED CURB & GUTTER SHALL HAVE 3/4" ISOLATION JOINTS AT DRAINAGE STRUCTURES, AT P.C. AND P.T. OF RADII AND AT POINTS OF TANGENCY ON RADII. ISOLATION JOINTS SHALL BE SPACED AT 20'-0" CENTERS MAX. JOINT FILLER IN THE CURBED SHALL EXTEND TO WITHIN 2" OF THE FACE & TOP OF CURB. ALL JOINTS SHALL BE SEALED AS SHOWN ON ROADWAY STANDARD LSCS-5.
5. ALL CONSULT CROSSINGS ARE TO BE TRENCHED, PLACED, BACKFILLED AND COMPACTED PRIOR TO SURFACING. BORING OR PUSHING PROCEDURES MAY BE USED WHERE SURFACING IS ALREADY IN PLACE AND IF APPROVED BY THE ENGINEER.
6. IF CONDUIT IS NOT CONTINUOUS BETWEEN DRIVEWAYS OR RAMPS, CAP BOTH ENDS OF EACH CONDUIT WITH CONCRETE OR GROUT TO PREVENT DAMAGE DURING CONSTRUCTION.
7. CONDUIT SHALL NOT TERMINATE BELOW A SURFACED AREA, BUT SHALL EXTEND A MINIMUM OF 2'-0" PAST EDGE OF PAVING.
8. FOR PULL BOX INSTALLATION DETAILS, SEE TRAFFIC STANDARD PBOX-1 (PULL BOX DETAILS).



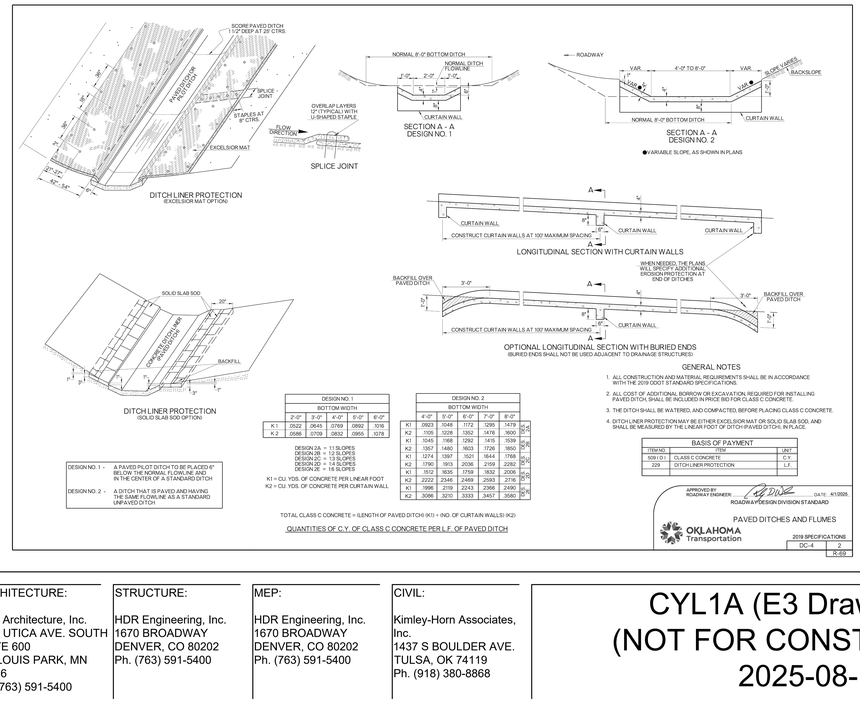
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. THERE WILL BE NO DEDUCTION OF 1/4 HARDY FOR CONCRETE CURB & GUTTER OR CONCRETE DIVIDING STRIP. PAY FOR ALL CONCRETE AT CLASS C.
3. ● RAMP DIMENSIONS SHOWN ARE BASED ON A CURB HEIGHT OF SIX INCHES. THE DIMENSIONS SHOULD BE ADJUSTED FOR OTHER CURB HEIGHTS. THE MAXIMUM PERMISSIBLE SLOPE OF THE WHEELCHAIR RAMP IS 8.33%. RAMP SLOPE MAY BE 10% MAXIMUM ALONG FACE OF TAPERED CURB.
4. DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.
5. THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP WITH A 2% SLOPE MAX.(SEE GENERAL NOTE NO. 10.
6. WHEELCHAIR RAMPS SHOULD BE LOCATED SO THAT THE RAMP WILL BE ON THE TRAFFIC APPROACH SIDE OF ANY OBSTACLE.
7. WHEELCHAIR RAMPS SHOULD BE BUILT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE TYPE OF RAMP WILL BE DETERMINED ON THE PLANS. A RAMP IS TO BE CODED AS A COMBINATION OF TWO TYPES (ONE SIDE TYPE A AND ONE SIDE TYPE B) IF THE RAMP SHALL BE BUILT AS SHOWN.
8. PIPE RAILING CONSTRUCTED ALL WHEN REQUIRED AT TYPE B WHEEL CHAIR RAMPS, WILL BE SHOWN ON THE PLANS.
9. EXCAVATION, BACKFILL, EXPANSION JOINT MATERIAL, SEALERS, AND OTHER RELATED MISCELLANEOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE COST THEREOF SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
10. ALL FEATURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SLOPES, GRADES, DIMENSIONS, AND LOCATIONS SHALL BE CONSTRUCTED IN WITH THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES PROWAG). WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF CONSTRUCTION PREVENT COMPLIANCE WITH THESE GUIDELINES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE, WITHIN ANY PROWAG WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK PERFORMED BY THE CONTRACTOR IN VIOLATION OF THESE PROWAG, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
11. ALL CONCRETE SHALL BE CLASS A UNLESS OTHERWISE NOTED IN COST OF SIDEWALK.
12. FOR DETAILS OF TACTILE WARNING DEVICES, SEE STANDARD TWO-3
13. ALL CROSS SLOPES AND RUNNING SLOPES FOR LANDINGS AND CROSS SLOPES FOR SIDEWALKS SHALL BE 1.5% PREFERRED TO 2% MAXIMUM.



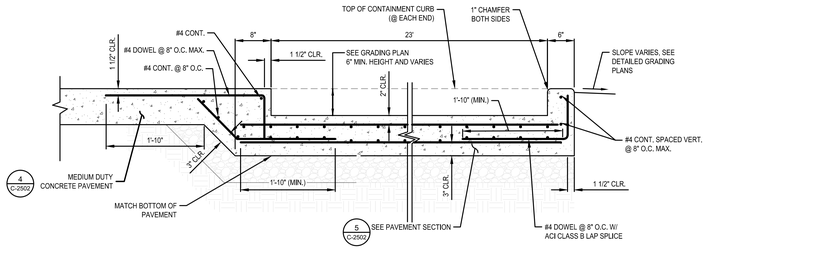
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. COST OF BARBED WIRE AND EXTRA LENGTH POSTS FOR FAN TO BE INCLUDED IN PRICE BID FOR CHAIN LINK FENCE.
3. THE BOTTOM BARBED WIRE MAY BE OMITTED AND FABRIC INSTALLED 1" CLEAR FROM GROUND LINE IN LOCATIONS APPROVED BY THE ENGINEER.
4. ALL MISCELLANEOUS HARDWARE SHALL BE FURNISHED GALVANIZED OR ALUMINUM ALLOY.
5. CLMB BARRIER SHOWN INTENDED ONLY TO SHOW AN ACCEPTABLE TYPE. OTHER TYPES MAY BE SUBMITTED APPROVED BY THE ENGINEER PRIOR TO INSTALLATION MAY BE USED. FENCE POST EXTENSION ARMS SHALL BE MADE OF PRESSED STEEL OR MALLEABLE IRON AND SHALL BE GALVANIZED AFTER FABRICATION.
6. CHAIN LINK FABRIC MAY BE ACCEPTED KNUCKLED BOTH SELVAGES IN ALL WIDTHS. NO FABRIC WITH TWISTS AND BARBS ON BOTH SELVAGES WILL BE ACCEPTED.
7. ALL LINE POSTS TO BE USED IN CENERAL AT FILL TOPS AND AT BOTTOM OF VALLEYS AND AT A MAXIMUM OF 500 FEET APART.
8. ALL POSTS WITH THE EXCEPTION OF LINE POSTS, FAN POSTS AND HEADWALL CONNECTION STRETCHER POSTS SHALL BE EMBEDDED IN CONCRETE WHEN FENCE IS BEING ERECTED ON EARTHEN FOUNDATIONS. OTHER POSTS MAY BE SET IN DRILLED HOLES IF APPROVED BY THE ENGINEER TO SATISFY SPECIFIC FOOTING REQUIREMENTS.
9. WHEN TOP RAIL IS USED IN LIEU OF BARBED TOP WIRE THE COST OF TOP RAIL SHALL BE INCLUDED IN THE PRICE BID FOR FENCE.



GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. ALL COST OF ADDITIONAL BORROW OR EXCAVATION, REQUIRED FOR INSTALLING PAVED DITCH, SHALL BE INCLUDED IN PRICE BID FOR CLASS C CONCRETE.
3. THE DITCH SHALL BE WATERED, AND COMPACTED, BEFORE PLACING CLASS C CONCRETE.
4. DITCH LINER PROTECTION MAY BE EITHER EXCELSIOR MAT OR SOLID SLAB SOD, AND SHALL BE MEASURED BY THE LINEAR FOOT OF DITCH PAVED DITCH, IN PLACE.



FUEL DELIVERY AREA PAVEMENT SECTION

NTS

FUEL TRUCK CONTAINMENT AREA NOTES:

1. COORDINATE FUEL OIL PIPING AND FUEL OIL TANK FOUNDATIONS AND CONTAINMENT AREA DIMENSIONS WITH MECHANICAL AND STRUCTURAL PLANS.
2. PROVIDE FUEL-PROOFING AND FIBERGLASS OR STAINLESS STEEL REINFORCEMENT ADMIXTURES PER MANUFACTURER RECOMMENDATIONS.
3. FUEL-RESISTANT, POLYPROPYLENE WATERSTOPS (OR APPROVED EQUIVALENT) SHALL BE INSTALLED AT ALL EDGES OF CONTAINMENT AREAS, CONSTRUCTION/EXPANSION JOINTS AND STRUCTURES CAST INTO CONCRETE (I.E. TRENCH DRAINS). WATERSTOP INSTALLTION SHALL BE PER MANUFACTURER REQUIREMENTS.
4. VALVES TO REMAIN IN CLOSED POSITION UNLESS DRAINING AFTER INSPECTION.
5. DIKES ARE TO BE INSPECTED AFTER RAINFALL EVENTS TO ENSURE NO SPILLS FROM TANKS. VALVES CAN BE OPENED TO DRAIN STORMWATER IF NO SPILLS ARE PRESENT.
6. CONTRACTOR WILL ENSURE CONTAINMENT VESSEL WILL NOT LEAK AT ALL TIMES. CONTRACTOR WILL TAKE ALL PRACTICAL MEASURES TO AVOID SURFACE CRACKING, TO INCLUDE CONTROL JOINTS AS NECESSARY, AND WILL TEST THE VESSEL FOR LEAKS TO THE ENGINEER'S SATISFACTION.
7. SMOOTH SURFACES SUCH AS CAPS AROUND WIRING AND OR PVC CONDUITS, PVC PIPES OR OTHER PENETRATIONS OF THE DIKE WALL OR SLAB, SURFACES WILL BE ROUGHENED PRIOR TO THE APPLICATION OF THE PRIMER. SIKAFLEX 449 (OR APPROVED EQUAL) WILL BE USED AS A PRIMER. AFTER PRIMING IS COMPLETED, FILL GAPS WITH SIKAFLEX 2C NS (OR APPROVED EQUAL). MAINTAIN A MINIMUM DISTANCE OF 1/2" BETWEEN PVC CONDUIT AND THE CONCRETE.
8. PLEASE REFERENCE THE SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN FOR OPERATIONS.
9. INSTALL YELLOW/BLACK POST DELINEATOR AT EACH END OF FUEL OFFLOAD CONTAINMENT CURB SIMILAR TO WWW.MYPARKINGSIGN.COM/FLEX-POST-YELLOW-BLACK-DELINEATOR-PADDLE/SKU-5318.
10. CONTAINMENT VOLUME TESTING SHALL BE PERFORMED TO ENSURE THE TOTAL DESIGN VOLUME DOES NOT LEAK PAST THE CONTAINMENT VALVE FOR 2 HOURS.
11. FUEL RESISTANT, BENTONITE WATER STOPS SHALL BE INSTALLED AT SLAB PENETRATIONS FOR PIPES, STRUCTURES, GRATES, ETC. THAT ARE NOT CAST AS PART OF THE PAVEMENT SECTION.
12. ALL JOINTS AND CRACKS SHALL BE FILLED WITH SEALANT.
13. REFERENCE SPEC SECTION 03 15 00.10 FOR WATERSTOPS, SEALANTS, PERFORMANCE COATINGS AND CONCRETE ADDITIVES.

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ARCHITECTURE:
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CONFIDENTIAL, OK
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PAPER SIZE: E (36"x48")
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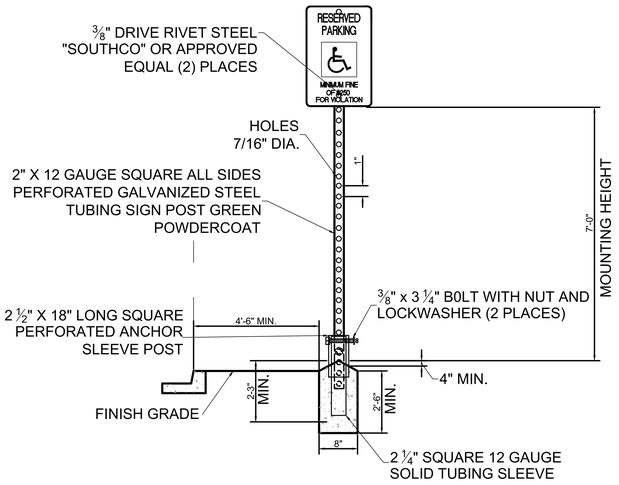
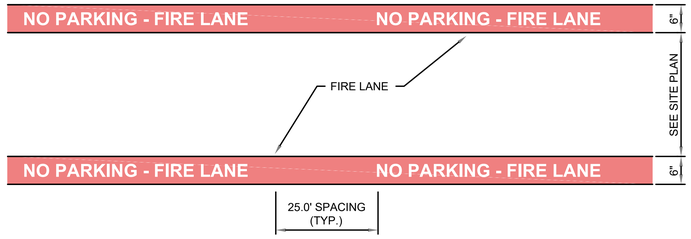


1 - "HANDICAPPED PARKING" SIGN POST DETAIL
NTS

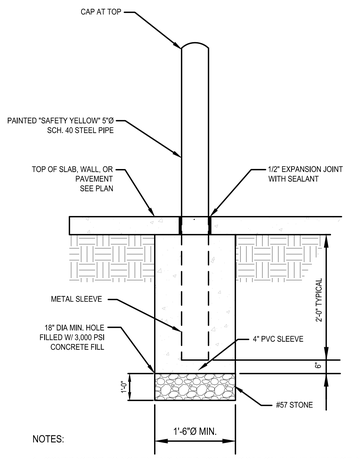


STRIPING DETAIL:

PAINT:
1. STRIPE SHALL BE SIX (6) INCHES WIDE PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
   - COLOR SHALL BE "TRAFFIC RED" GLIDDEN NO. 63251 OR EQUAL.
2. LETTERS SHALL BE FOUR (4) INCHES HIGH PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT. LETTERS TO BE ONE (1) INCH STROKE.
   - COLOR SHALL BE "TRAFFIC WHITE" GLIDDEN NO. 563245 OR EQUAL.

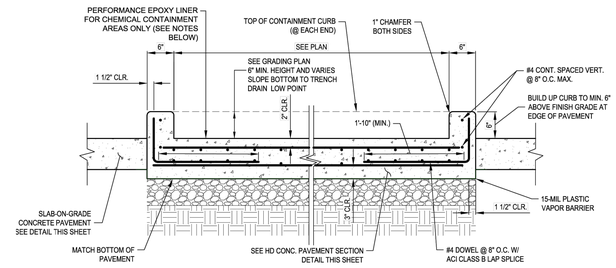
APPLICATION:
1. STRIPE MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH.
2. LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIED AND SPACED AS DETAILED ON THIS SHEET.

2 - PAINTED FIRE LANE STRIPING
NTS



NOTES:
1. CONTRACTOR TO NOTIFY ENGINEER FOR RELOCATION IN THE EVENT OF A CONFLICT WITH UTILITIES, FOUNDATIONS, ETC.

3 - REMOVABLE PIPE BOLLARD
NTS



8 - CHEM DELIVERY AREA PAVEMENT SECTION
SCALE: NTS

STOP BAR DETAIL



SOLID ARROW MARKINGS

TRAFFIC ARROWS DETAIL

SKIP LINE STRIPING (SINGLE DASHED WHITE)



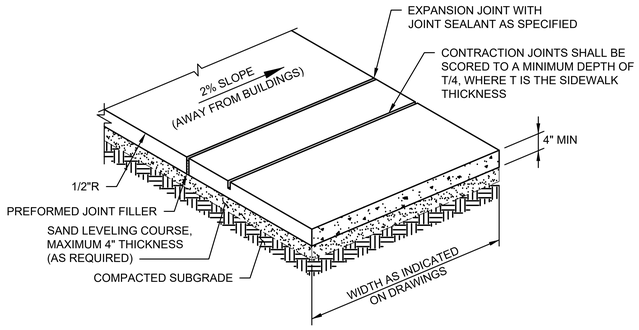
EDGE OF PAVEMENT (SINGLE WHITE)

NOTES:
1. PLACE PAVEMENT STRIPING WHERE INDICATED ON THE PLANS AND PER MUTCD OR AHJ REGULATION.
2. PLACE STOP BARS AND CROSSWALKS AS ILLUSTRATED ON PLANS.
3. LETTERS ARE TO BE 8" WIDE, LETTERS ARE TO BE PLACED 12" OFF OF STOP BAR (AS REQUIRED).
4. ALL PAVEMENT MARKINGS SHALL BE PAINTED RETROREFLECTIVE WHITE.

STRIPING: PRIOR TO APPLICATION OF STRIPING PAINT, SURFACES SHOULD BE CLEANED OF MATERIAL THAT WOULD PREVENT ADHERENCE OF PAINT. PAINT SHALL BE APPLIED ONLY TO A DRY SURFACE USING EITHER TEMPLATE OF STRIPING MACHINE; STRIPES SHALL BE 4" WIDE OF UNIFORM WEIGHT WITH NO "SKIPS" OR BARE SPOTS. FINISHED STRIPING SHALL BE APPROVED BY THE ARCHITECT.

4 - PARKING LOT PAINTING STANDARDS
NTS

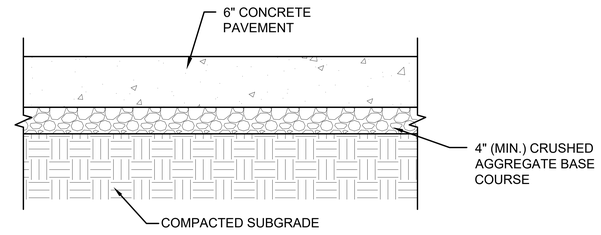
7'-9"
4'-0"
6'-0"
18"
4"
4"
4



NOTES:

1. REINFORCED CONCRETE SIDEWALKS SHALL BE 4,000 PSI WITH EPOXY COATED 6" X 6" WI 4 X WI 4 WELDED WIRE FABRIC, AT LOCATIONS INDICATED ON PLANS. REINFORCEMENT SHALL BE DISCONTINUED THROUGH ALL EXPANSION JOINTS.
2. JOINT SPACING SHALL BE EQUAL TO THE WIDTH OF THE SIDEWALK.
3. SEE DETAIL 7 ON SHEET 2A-C-2501 FOR SIDEWALK JOINT DETAILS.

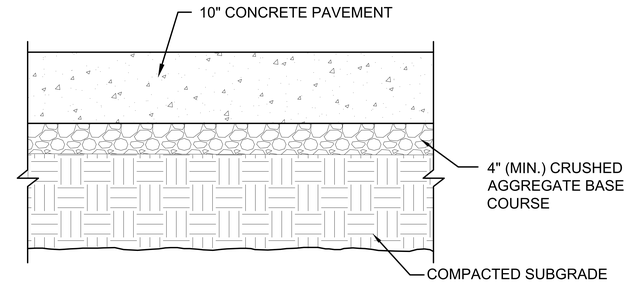
1 - CONCRETE SIDEWALK
NTS



NOTES:

1. PREPARE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, A MINIMUM OF 12 INCHES OF SUBGRADE SHALL BE SCARIFIED AND RECOMPATED, FOLLOWED BY PROOFROLLING.
2. REFERENCE SPEC SECTION 03 15 13 FOR APPLICATION OF WATERSTOPS.

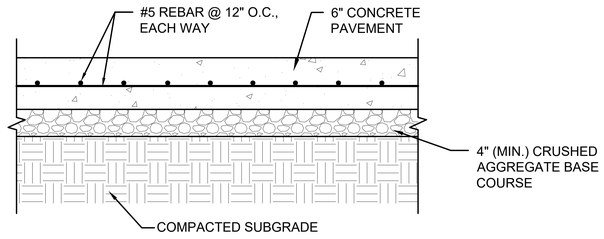
2 - LIGHT-DUTY CONCRETE
NTS



NOTES:

1. PREPARE SUBGRADE IN ACCRDANCE WITH THE GEOTEHCNICAL REPORT, A MINIMUM OF 12 INCHES OF SUBGRADE SHALL BE SCARIFIED AND RECOMPACTED, FOLLOWED BY THE PROOFROLLING.

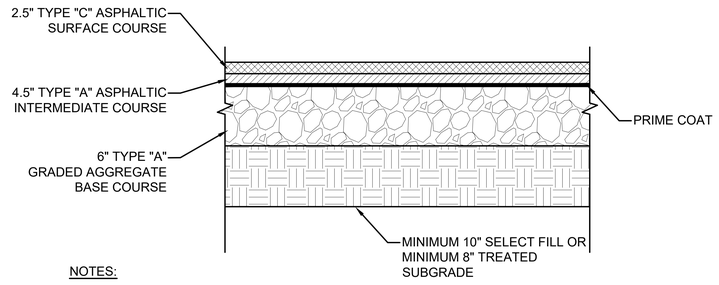
3 - HEAVY-DUTY CONCRETE
NTS



NOTES:

1. PREPARE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, A MINIMUM OF 12 INCHES OF SUBGRADE SHALL BE SCARIFIED AND RECOMPATED, FOLLOWED BY PROOFROLLING.
2. REFERENCE SPEC SECTION 03 15 13 FOR APPLICATION OF WATERSTOPS.

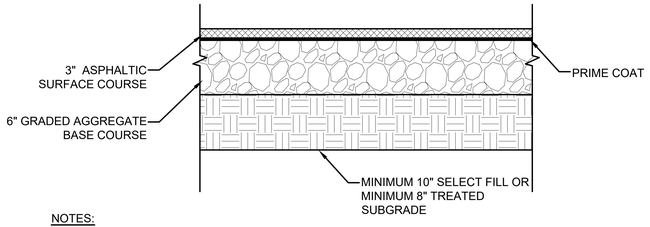
4 - MEDIUM-DUTY REINFORCED CONCRETE
NTS



NOTES:

1. ALL PAVEMENT COURSES TO MEET MINIMUM REQUIREMENTS OF LOCAL JURISDICTIONAL STANDARD SPECIFICATIONS.
2. INSTALL 7" INTERMEDIATE COURSE TO FINAL SURFACE GRADE. MILL AND REPLACE W/ 2.5" SURFACE AT COMPLETION OF ALL CONSTRUCTION.
3. PAVEMENT SECTION PER THE GEOTECHNICAL ENGINEERING REPORT
4. THE FINAL PAVING SHALL BE EVEN WITH TOP OF GUTTER.

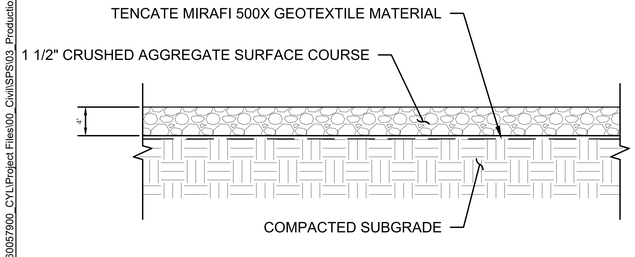
5 - HEAVY DUTY ASPHALT
NTS



NOTES:

1. ALL PAVEMENT COURSES TO MEET MINIMUM REQUIREMENTS OF LOCAL JURISDICTIONAL STANDARD SPECIFICATIONS.
2. INSTALL 3" SURFACE COURSE TO FINAL SURFACE GRADE. MILL AND REPLACE 3" SURFACE AT COMPLETION OF ALL CONSTRUCTION.
3. PAVEMENT SECTION PER THE GEOTECHNICAL ENGINEERING REPORT
4. THE FINAL PAVING SHALL BE EVEN WITH TOP OF GUTTER.

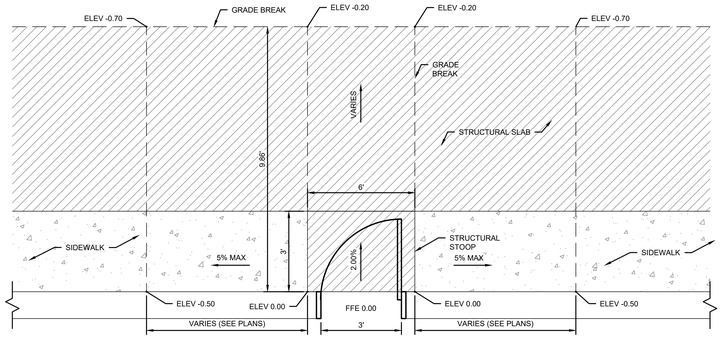
6 - LIGHT DUTY ASPHALT
NTS



NOTES:

1. PREPARE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, A MINIMUM OF 8 INCHES OF SUBGRADE SHALL BE SCARIFIED AND RECOMPACTED, FOLLOWED BY PROOFROLLING.

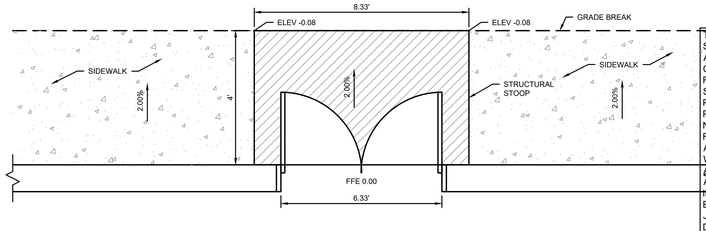
7 - AGGREGATE SURFACING SECTION
NTS



NOTE:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR STRUCTURAL STOOP AND RAMP DETAILED DESIGNS

8 - SLOPED SURFACE TO BUILDING
NTS



NOTE:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR STRUCTURAL STOOP AND RAMP DETAILED DESIGNS

9 - CONCRETE STOOP
NTS

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

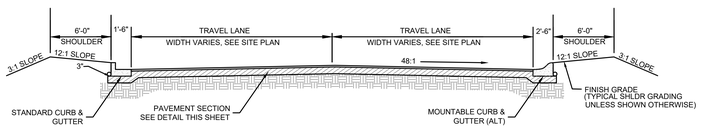
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

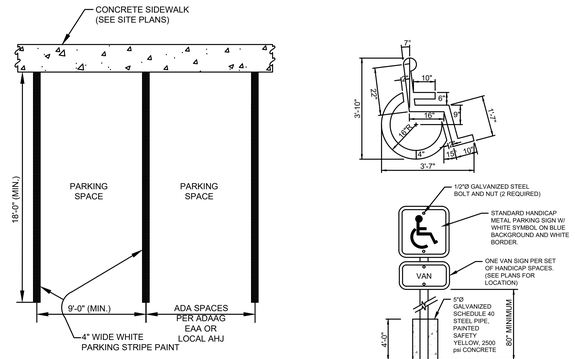
CYL1A
PROJECT ADDRESS:
CONFIDENTIAL, OK
PROJ. NO.: 10434525

SITE DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2502
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



1 SITE ROADWAY SECTION
NTS

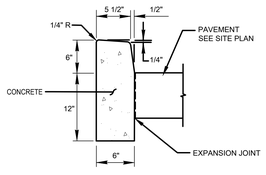


2 VEHICLE SPACE MARKING
NTS

UNLOADING/LOADING AREA	WATERPROOFING ADMIXTURE	FIBER REINFORCING ADMIXTURE (EITHER ALTERNATIVE) (IN ADDITION TO REBAR)	JOINT SEALANT & CRACK REPAIR		PERFORMANCE EPOXY COATING
			SEALANT A	SEALANT B	
LOADING DOCKS	YES	NO	YES	YES	NO
FUEL DELIVERY AREA	YES	YES	YES	YES	NO
CHEMICAL DELIVERY AREA	YES	YES	NO	YES	YES
FUEL & CHEMICAL DELIVERY DRAIN INLETS	YES	NO	FUEL ONLY	YES	YES

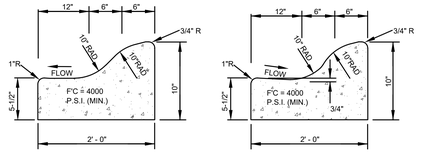
NOTE: SEE SPECIFICATIONS FOR PRODUCT REFERENCES

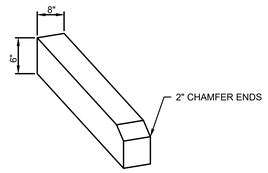
3 LOADING AREA CONCRETE TREATMENTS
NTS

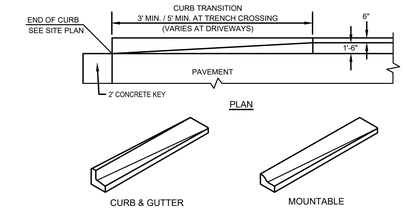


NOTE:

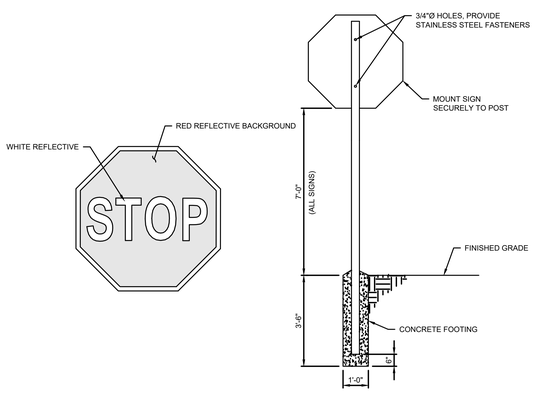
1. CONTROL JOINTS SHALL BE SPACED AT MAX. OF 15'-0" O.C. E.W.



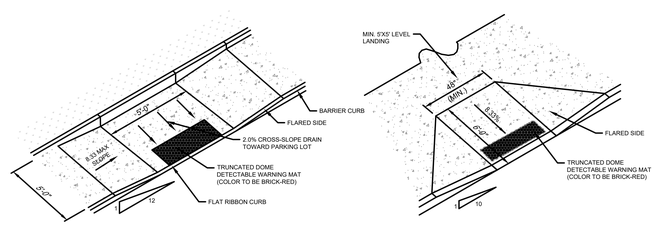




4 BARRIER CURB
NTS



5 MOUNTABLE CURB AND GUTTER
NTS



NOTES:

1. THE SLOPE OF THE RAMP SHALL NOT EXCEED 8.33%.
2. THE WIDTH OF THE RAMP SHALL MATCH THE EXISTING WIDTH OF THE SIDEWALK.
3. DETECTABLE WARNINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN SECT. 4.29.2 OF THE CODE OF FEDERAL REGULATIONS.
4. A LEVEL LANDING (5'X5' MIN WITH MAX. SLOPE OF 2% IN ANY DIRECTION) SHALL BE CONSTRUCTED AT TOP OF EACH RAMP

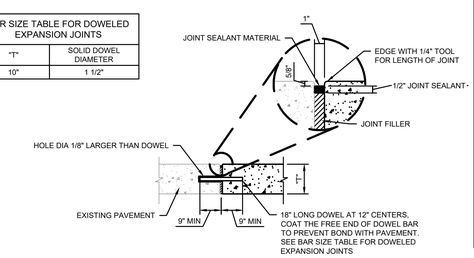
6 8" WIDE CURB WITH CHAMFER
NTS

7 CURB TAPER
NTS

8 TRAFFIC SIGN MOUNTING
NTS

9 CURB RAMP
NTS

BAR SIZE TABLE FOR DOWELED EXPANSION JOINTS	
"T"	SOLID DOWEL DIAMETER
10"	1 1/2"



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10 DOWELED EXPANSION JOINT
NTS

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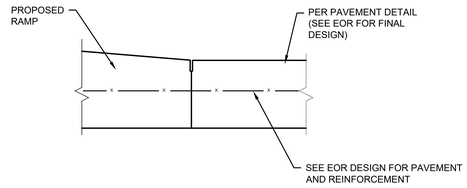
APPRV'D:

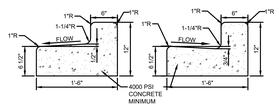
CYL1A
PROJECT ADDRESS:
CONFIDENTIAL
PROJ. NO.: 10434525

SITE DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2503
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



1 - RAMP CONSTRUCTION JOINT
NTS

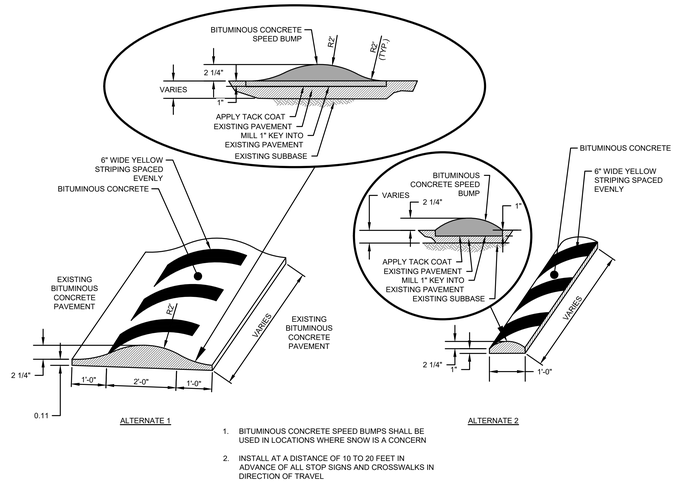


NOTE:

1. CONTROL JOINTS SHALL BE SPACED AT MAX. OF 15'-0" O.C. E.W.

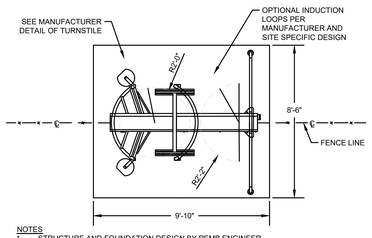
DESIGNER NOTE: ENGINEER OF RECORD TO COORDINATE SECTION WITH AHJ AND LOCAL AVAILABILITY

2 - STANDARD CURB AND GUTTER
NTS



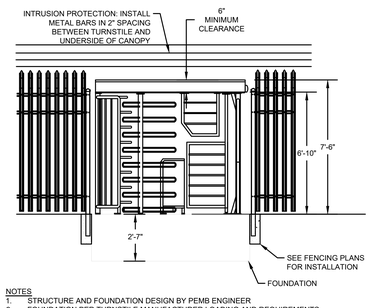
1. BITUMINOUS CONCRETE SPEED BUMPS SHALL BE USED IN LOCATIONS WHERE SNOW IS A CONCERN
2. INSTALL AT A DISTANCE OF 10 TO 20 FEET IN ADVANCE OF ALL STOP SIGNS AND CROSSWALKS IN DIRECTION OF TRAVEL

3 - CONCRETE SPEED BUMP
NTS



NOTES
1. STRUCTURE AND FOUNDATION DESIGN BY PEMB ENGINEER
2. EXTEND FENCE FABRIC AND CONNECT TO TURNSTILE FRAME PER SPECIFICATION
3. REFER TO MANUFACTURER FOR DETAILED INSTALLATION

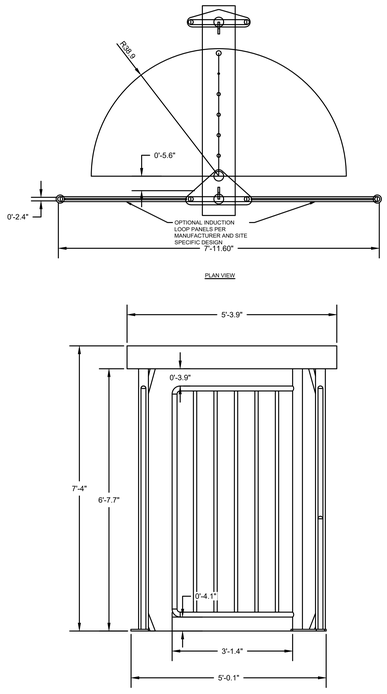
PLAN VIEW



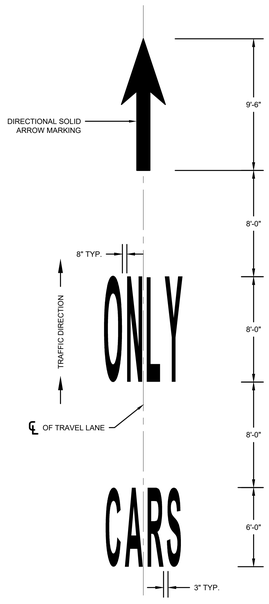
NOTES
1. STRUCTURE AND FOUNDATION DESIGN BY PEMB ENGINEER
2. FOUNDATION PER TURNSTILE MANUFACTURER LOADING AND REQUIREMENTS
3. CONNECT TO TURNSTILE AND CANOPY STRUCTURE TO MAINTAIN SPEC FENCE OPENINGS WITH SECURE CONNECTIONS
4. REFER TO MANUFACTURER FOR DETAILED INSTALLATION AND OPTIONS

ELEVATION VIEW

4 - BIKE & PEDESTRIAN COMBO TURNSTILE
NTS



5 - WHEELCHAIR - ACCESSIBLE SWING GATE
NTS



NOTES:
1. ALL MESSAGES SHALL CONSIST PREFORMED LETTER SHAPES AS SPECIFIED IN THE MUTCD 2004 STANDARD HIGHWAY SIGNS AND MARKINGS (SHSM) BOOK. PAVEMENT MARKING CHAPTER.
2. ALL MESSAGES SHALL BE OF 8' TEXT HEIGHT, UNLESS OTHERWISE SPECIFIED.
3. ALL MESSAGES CONSISTING OF TWO WORDS OR MORE SHALL HAVE 8' BETWEEN WORDS AND BE LAID OUT SUCH THAT THE FIRST WORD IS CLOSET TO AN APPROACHING VEHICLE.
4. SPACING BETWEEN EACH LETTER SHALL BE EQUAL FOR ANY WORD. LETTER SPACING SHALL BE 8" UNLESS OTHERWISE SPECIFIED OR AS LIMITED BY LANE WIDTH. ALL MESSAGES SHALL FIT WITHIN A SINGLE LANE AND NOT OVERLAP ANY STRIPING.
5. ALL MESSAGES SHALL BE ALIGNED ON CENTER WITH TRAVEL LANE, UNLESS OTHERWISE SPECIFIED.
6. ALL LETTERS SHALL BE SOLID WHITE.

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6. ALL LETTERS SHALL BE SOLID WHITE.

6 - PAVEMENT MARKINGS
NTS

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2025-08-18

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0.2	2025/08/18	SPS 65% DESIGN

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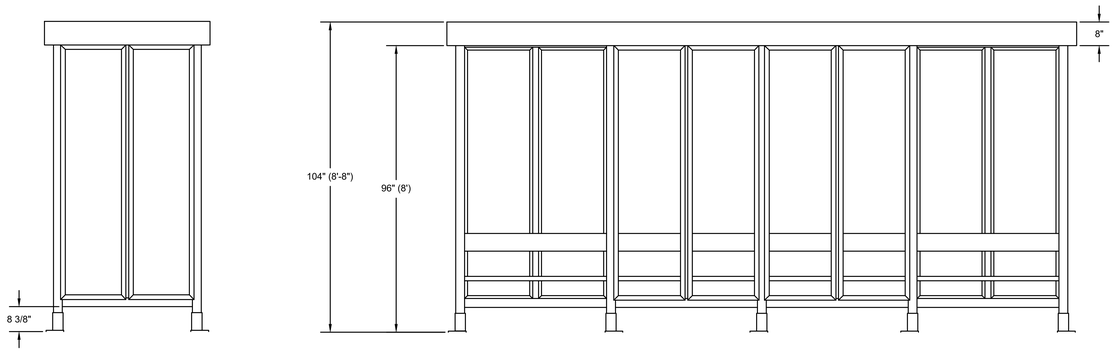
APPRV'D:

CYL1A
PROJECT ADDRESS:
CONFIDENTIAL, OK
PROJ. NO.: 10434525

SITE DETAILS
SCALE: AS SHOWN

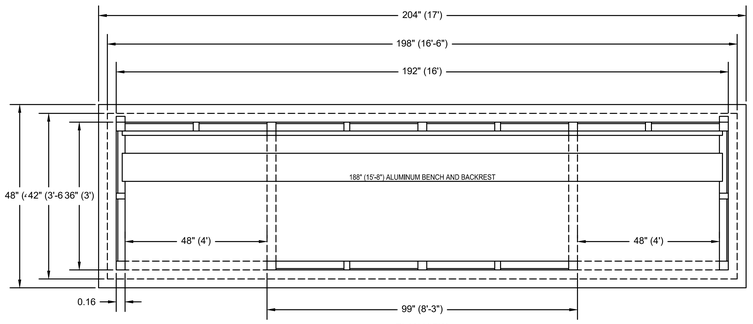
SHEET NUMBER:
1A-C-2504
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2500-SITE DETAILS 7/14/2025 1:13 PM



SIDE VIEW

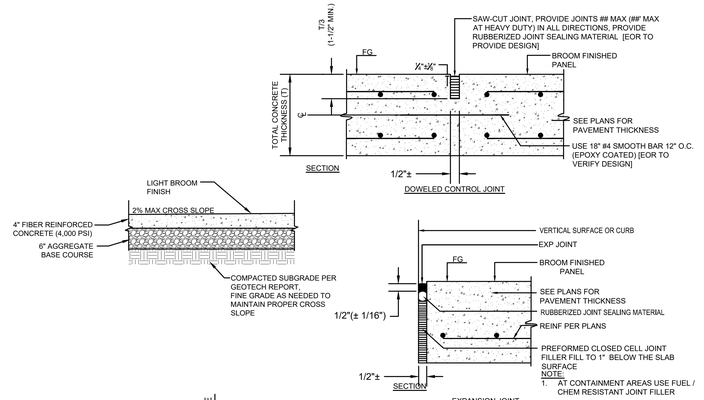
FRONT ELEVATION



PLAN VIEW

NOTES:
1. DUO-GARD BUS SHELTER HAS BEEN DETAILED AND MODELED ON THESE PLANS.
2. COORDINATE WITH STRUCTURAL PLANS FOR FOUNDATION DETAILS.

1 - BUS SHELTER
NTS



NOTES:

1. MINIMUM THICKNESS = 4".
2. PROVIDE EXPANSION JOINTS @ INTERSECTIONS OF WALKS AND WHERE WALK ABUTS OTHER STRUCTURES.
3. 4,000 PSI MINIMUM CONCRETE.
4. SIDEWALKS TO HAVE LIGHT BROOM FINISH.
5. ALL JOINTS AND EDGES TO BE TOOLED.
6. CONTROL JOINTS TO BE TOOLED TO A MINIMUM DEPTH OF 1".
7. SMOOTH TROWEL 3" "PICTURE FRAME" EDGE, TYP.

2 - CONCRETE SIDEWALK
NTS

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C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-2500-SITE DETAILS 7/14/2025 1:13 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL, OK

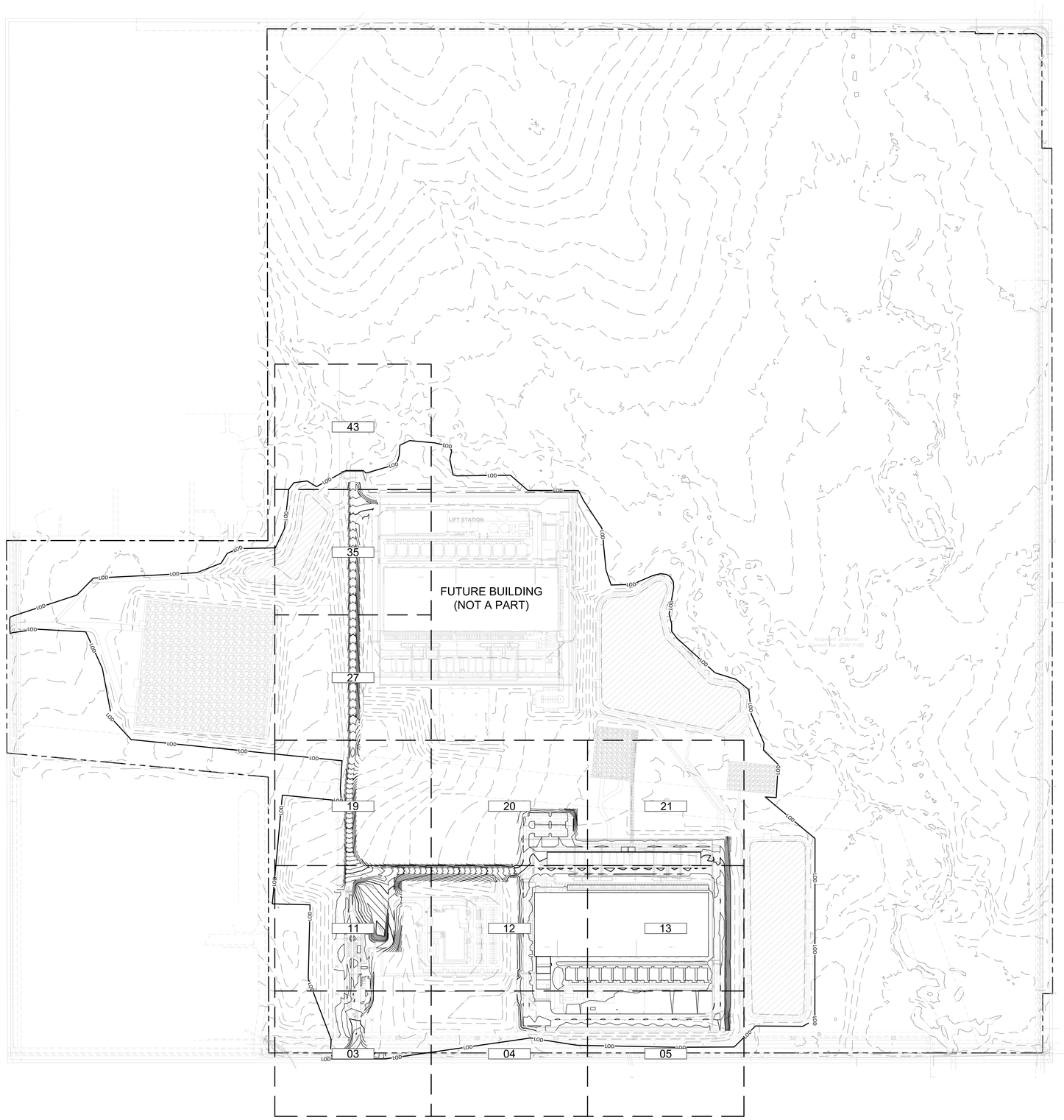
PROJ. NO.: 10434525

SITE DETAILS

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-2505

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3000 GRADING AND DRAINAGE PLAN - OVERALL 6/20/2025 7:37 AM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

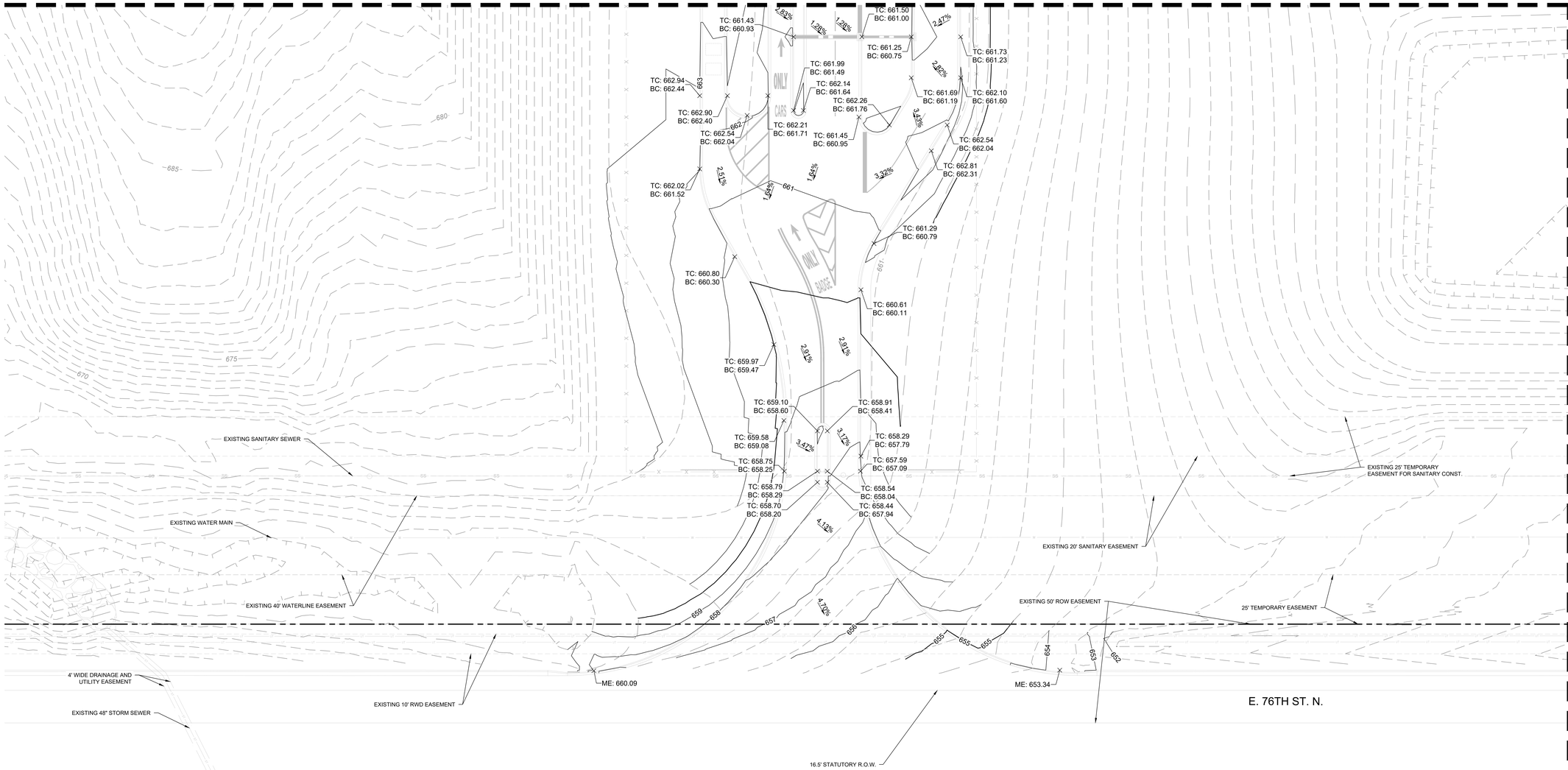
GRADING AND DRAINAGE PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3000

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3111



MATCHLINE SEE SHEET 1A-C-3104

LEGEND

- PROPERTY LINE
- 200 — EXISTING MAJOR CONTOUR (1' INTERVAL)
- 201 — EXISTING MINOR CONTOUR (1' INTERVAL)
- 200 — PROPOSED MAJOR CONTOUR
- 201 — PROPOSED MINOR CONTOUR
- GRADE BREAK
- LOD — LIMIT OF DISTURBANCE
- EXISTING EASEMENT
- G — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- DETENTION POND BOTTOM
- BUILDING PAD
- POND EXTENTS
- MATCHLINE
- (281.93) — SPOT ELEVATION
- HP — HIGH POINT
- LP — LOW POINT
- TC — TOP FACE OF CURB
- BC — BOTTOM OF CURB / GUTTER LINE
- TW — TOP OF GRADE AT WALL
- BW — BOTTOM OF GRADE @ EXPOSED WALL
- INV — INVERT
- RIM — TOP OF GRATE / COVER

NOTES

1. CONTRACTOR TO INSTALL ALL REQUIRED INITIAL EPSC MEASURES PER PLANS PRIOR TO ANY DEMOLITION OR CLEARING AND GRUBBING
2. NO IMPACTS TO ANY IDENTIFIED JURISDICTIONAL ENVIRONMENTAL FEATURES OF ANY KIND IS PERMITTED UNTIL APPROVAL BY ODEQ AND USACE. FOLLOWING APPROVAL, ONLY IMPACTS TO FEATURES PERMITTED BY BOTH ADEQ AND USACE IS PERMITTED AND MUST COMPLY WITH PHASING AS IDENTIFIED IN PLANS.
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4. FEATURES BEYOND THE LIMITS OF DISTURBANCE (LOD) AND WITHIN THE LOD, UNLESS IDENTIFIED FOR REMOVAL ON THE PLANS, SHALL BE PROTECTED IN PLACE (PIP) BY THE CONTRACTOR FOR THE DURATION OF THE WORK.
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6. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS AND GUIDELINES OF THE EROSION CONTROL PLAN AND SITE SWPPP.
7. WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN ONE UNIT VERTICAL IN FIVE UNITS HORIZONTAL (20-PERCENT SLOPE) AND THE DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED.
8. CONTRACTOR TO SEE ABBREVIATIONS LIST (SEE SHEET C-0001), FOR CLARIFICATION.
9. CONTRACTOR TO ENSURE POSITIVE DRAINAGE. IF A CONFLICT OCCURS BETWEEN THESE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
10. TC, DEFINED ON GRADING SHEETS ONLY, AS TOP FACE OF CURB.
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\06005790_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

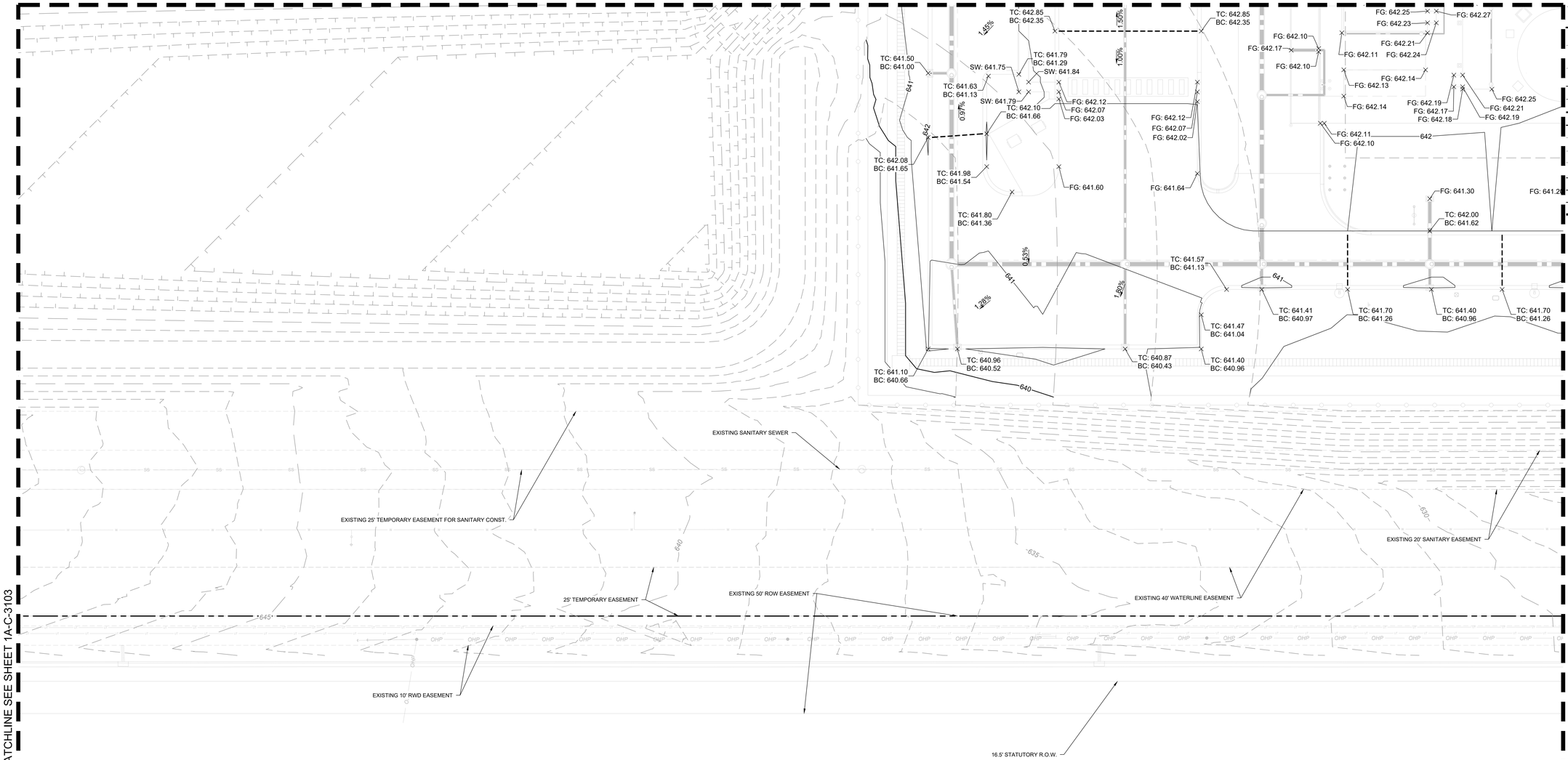
GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3103
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3112

MATCHLINE SEE SHEET 1A-C-3103

MATCHLINE SEE SHEET 1A-C-3105



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- POND EXTENTS
- MATCHLINE
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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TULSA, OK 74119
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN

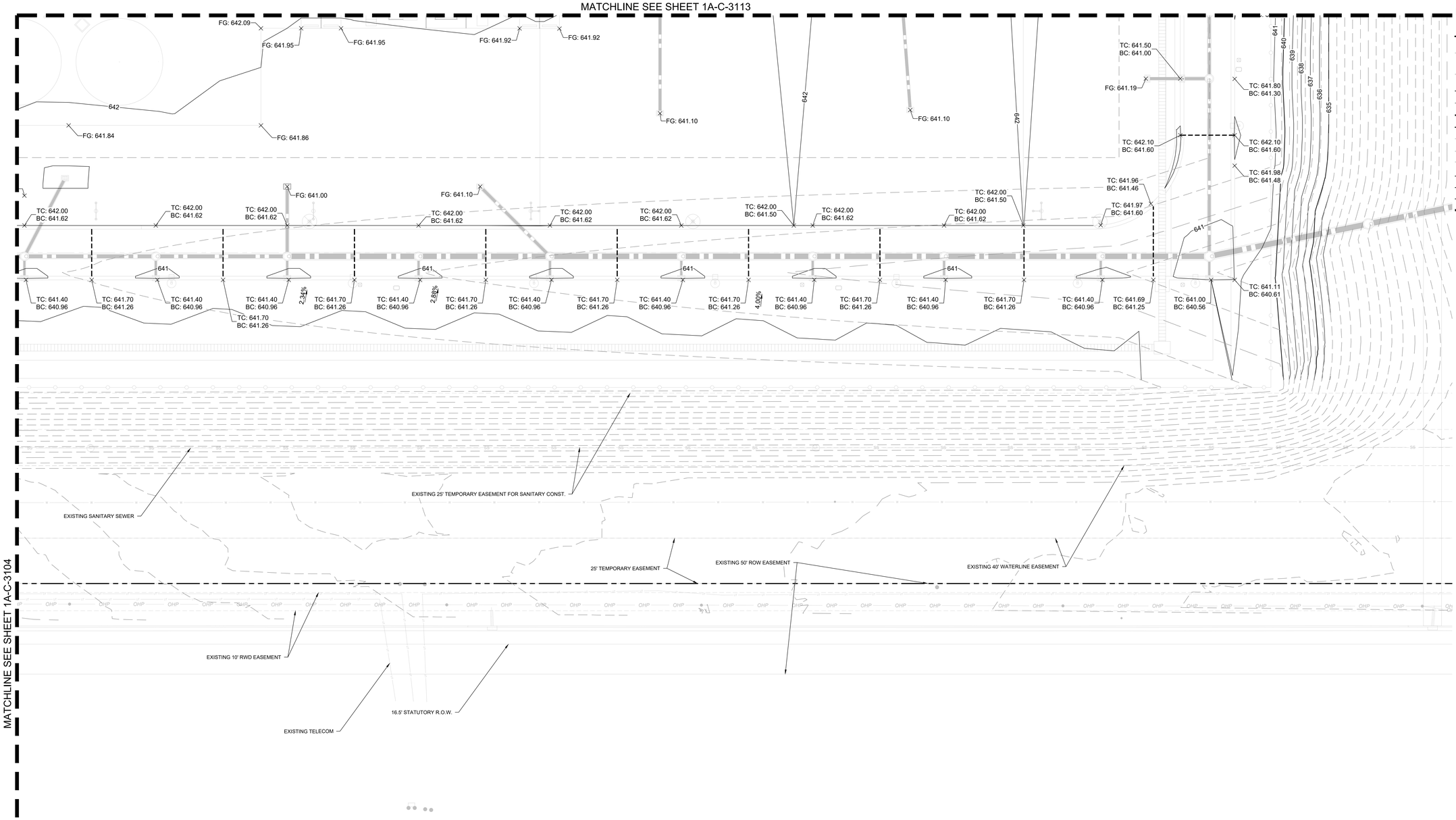
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3113

MATCHLINE SEE SHEET 1A-C-3104



LEGEND

	PROPERTY LINE
200	EXISTING MAJOR CONTOUR (1' INTERVAL)
201	EXISTING MINOR CONTOUR (1' INTERVAL)
200	PROPOSED MAJOR CONTOUR
201	PROPOSED MINOR CONTOUR
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LOD	LIMIT OF DISTURBANCE
	EXISTING EASEMENT
G	EXISTING GAS LINE
OHE	EXISTING OVERHEAD ELECTRIC
	DETENTION POND BOTTOM
	BUILDING PAD
	POND EXTENTS
	MATCHLINE
281.93	SPOT ELEVATION
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

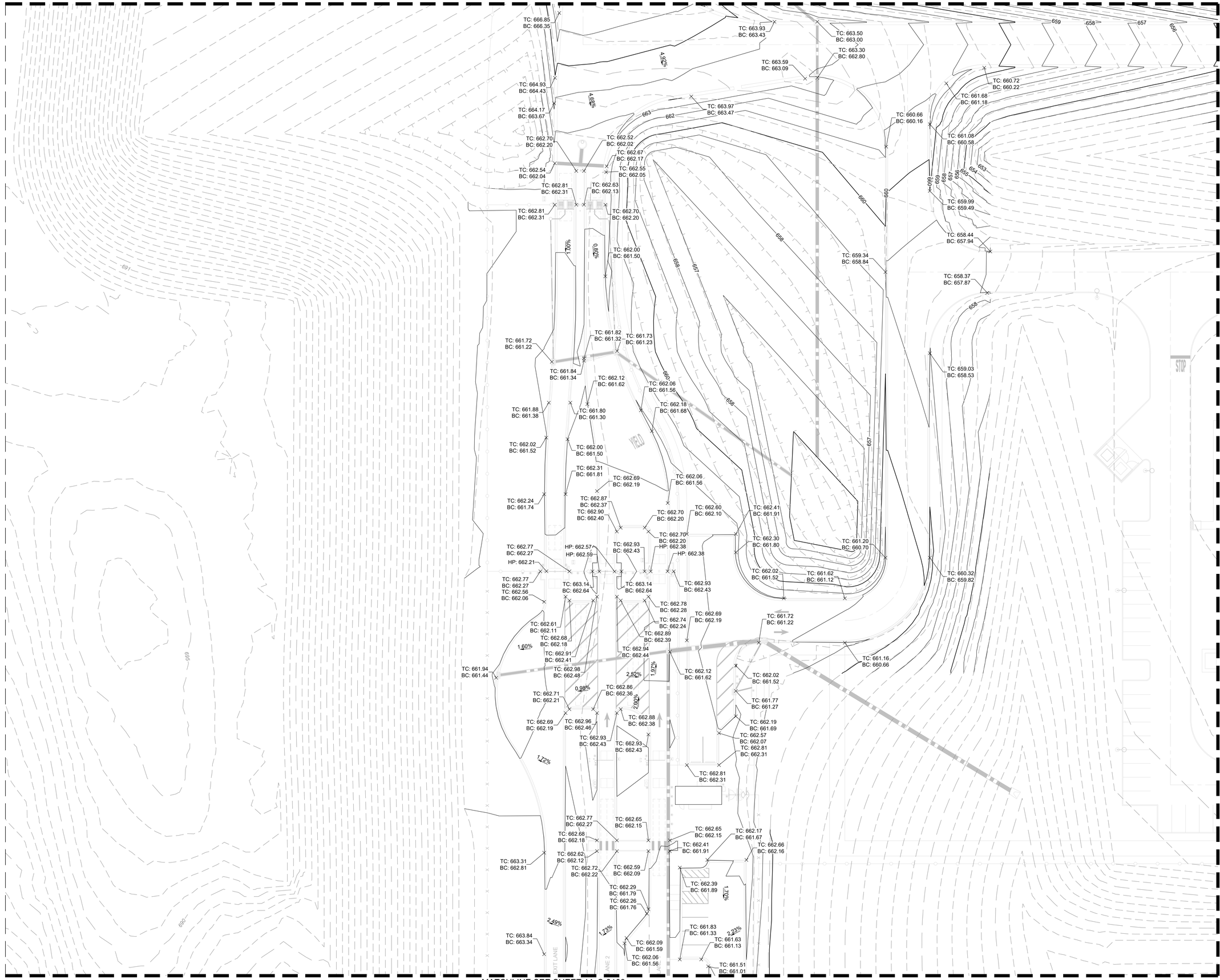
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3105
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3119



MATCHLINE SEE SHEET 1A-C-3103

LEGEND

- PROPERTY LINE
- 200 — EXISTING MAJOR CONTOUR (1' INTERVAL)
- 201 — EXISTING MINOR CONTOUR (1' INTERVAL)
- 200 — PROPOSED MAJOR CONTOUR
- 201 — PROPOSED MINOR CONTOUR
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MATCHLINE SEE SHEET 1A-C-3112

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3111
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3120

MATCHLINE SEE SHEET 1A-C-3111

MATCHLINE SEE SHEET 1A-C-3113

MATCHLINE SEE SHEET 1A-C-3104

HUB 1A
FFE: 657.50

CYL 1A DC
FFE: 643.00

CYL 1A MYD
FFE: 643.00

OFFICE

DING D

MOPARKING

LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR (1' INTERVAL)
- EXISTING MINOR CONTOUR (1' INTERVAL)
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- GRADE BREAK
- LIMIT OF DISTURBANCE
- EXISTING EASEMENT
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC
- DETENTION POND BOTTOM
- BUILDING PAD
- POND EXTENTS
- MATCHLINE
- SPOT ELEVATION

HP	HIGH POINT
LP	LOW POINT
TC	TOP FACE OF CURB
BC	BOTTOM OF CURB / GUTTER LINE
TW	TOP OF GRADE AT WALL
BW	BOTTOM OF GRADE @ EXPOSED WALL
INV	INVERT
RIM	TOP OF GRATE / COVER

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N

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SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\06005579\00 CYL\Project Files\00 Civil\SPS\03 Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

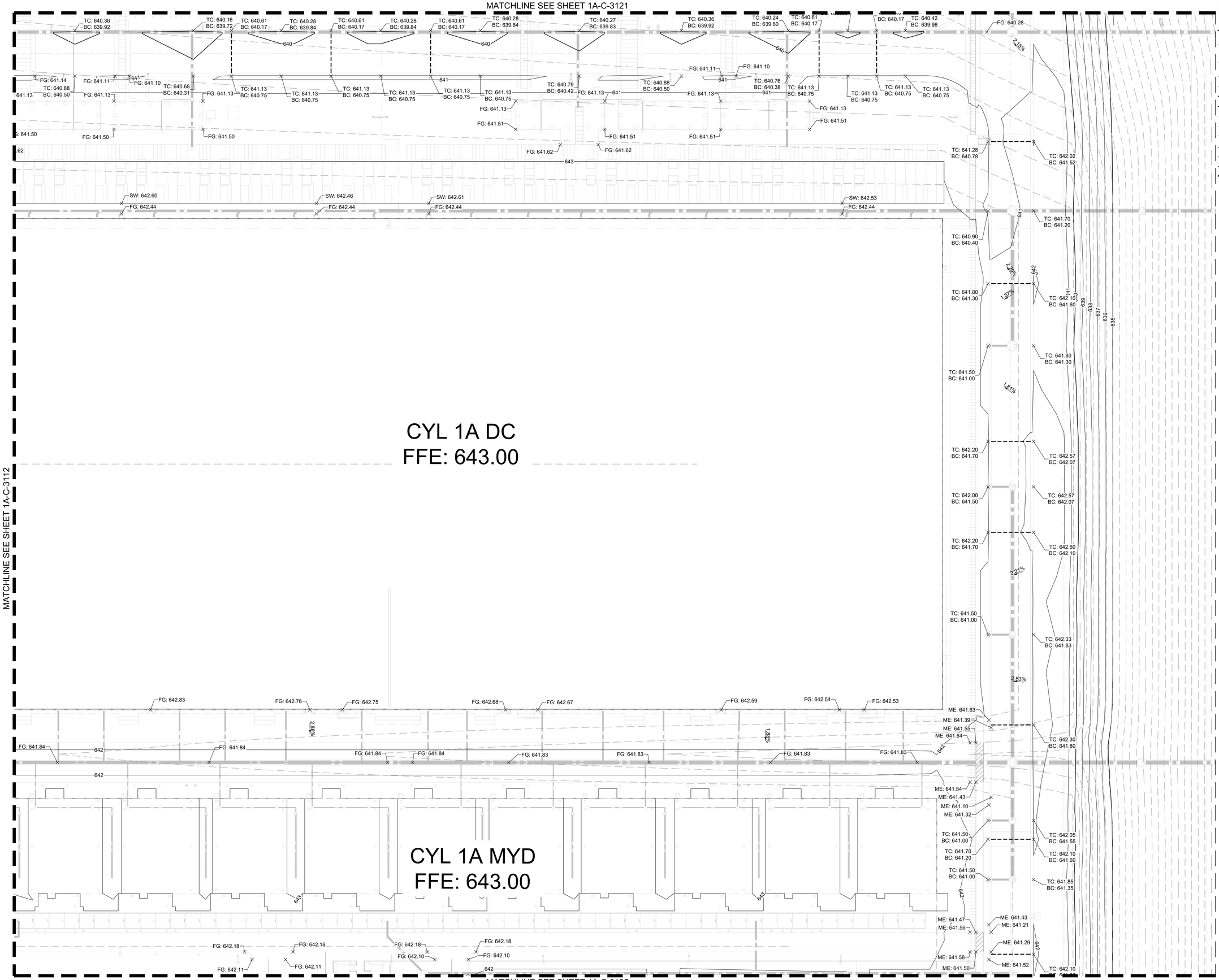
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3112
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

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KEYPLAN

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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3113
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3127

PROPOSED PROPERTY LINE

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

2.44%
4.46%
3.99%
4.46%
4.46%
4.67%
3.99%
4.46%
4.46%
3.99%
4.85%

TC: 681.14
BC: 680.64

TC: 681.14
BC: 680.64

TC: 671.78
BC: 671.28

TC: 671.78
BC: 671.28

TC: 671.58
BC: 671.08

TC: 667.60
BC: 667.10

LEGEND

- PROPERTY LINE
- 200 — EXISTING MAJOR CONTOUR (1' INTERVAL)
- 201 — EXISTING MINOR CONTOUR (1' INTERVAL)
- 200 — PROPOSED MAJOR CONTOUR
- 201 — PROPOSED MINOR CONTOUR
- GRADE BREAK
- LOD — LIMIT OF DISTURBANCE
- EXISTING EASEMENT
- G — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- DETENTION POND BOTTOM
- BUILDING PAD
- POND EXTENTS
- MATCHLINE
- (281.93) — SPOT ELEVATION
- HP — HIGH POINT
- LP — LOW POINT
- TC — TOP FACE OF CURB
- BC — BOTTOM OF CURB / GUTTER LINE
- TW — TOP OF GRADE AT WALL
- BW — BOTTOM OF GRADE @ EXPOSED WALL
- INV — INVERT
- RIM — TOP OF GRATE / COVER

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MATCHLINE SEE SHEET 1A-C-3120

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-3111

C:\ACC\ACCDocs\Kimley-Horn\06005/7900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

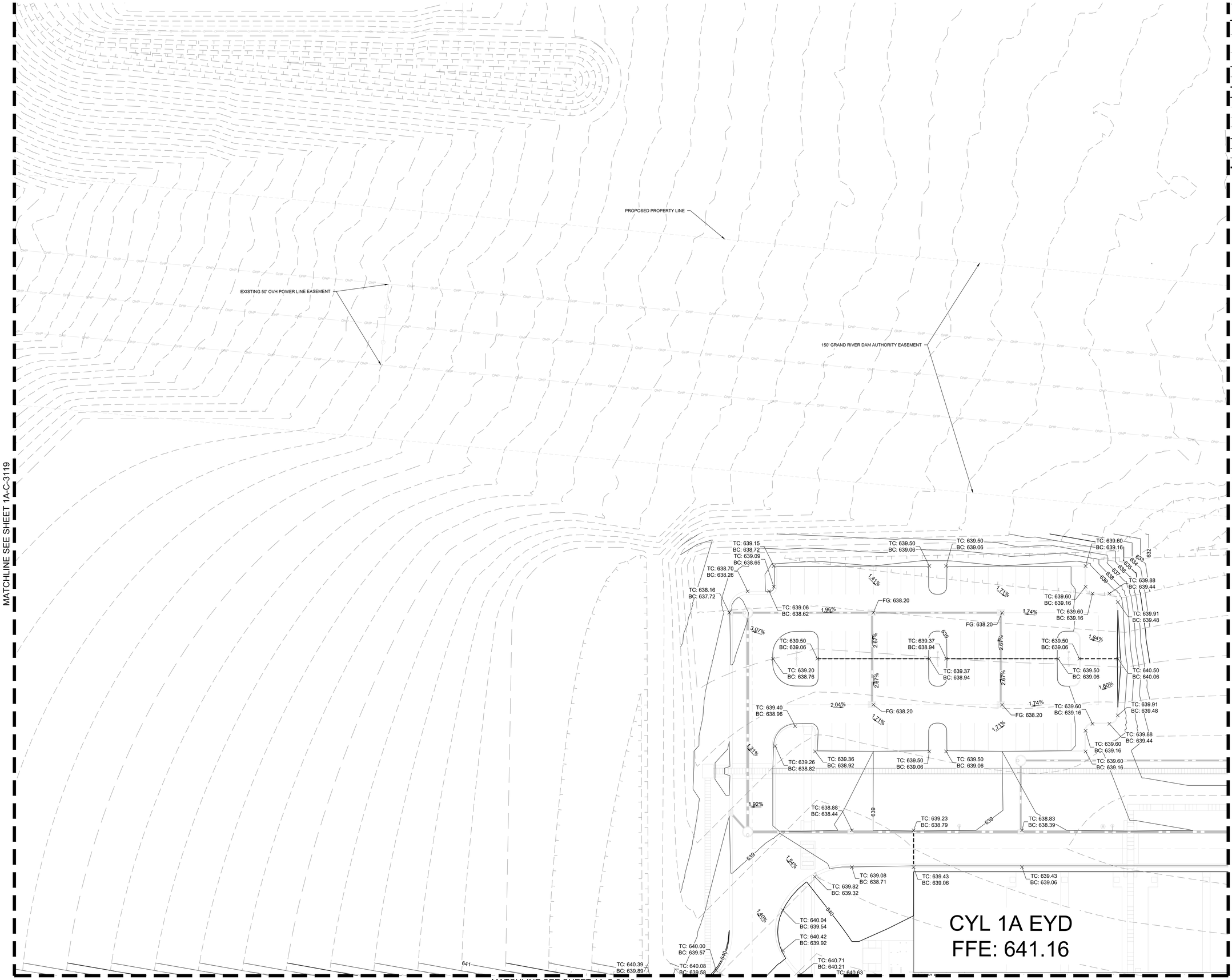
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3119

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR (1' INTERVAL) — 200
- EXISTING MINOR CONTOUR (1' INTERVAL) — 201
- PROPOSED MAJOR CONTOUR — 200
- PROPOSED MINOR CONTOUR — 201
- GRADE BREAK
- LIMIT OF DISTURBANCE — LOD
- EXISTING EASEMENT
- EXISTING GAS LINE — G
- EXISTING OVERHEAD ELECTRIC — OHE
- DETENTION POND BOTTOM
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- POND EXTENTS
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- HP HIGH POINT
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3101 GRADING AND DRAINAGE PLAN 6/19/2025 10:18 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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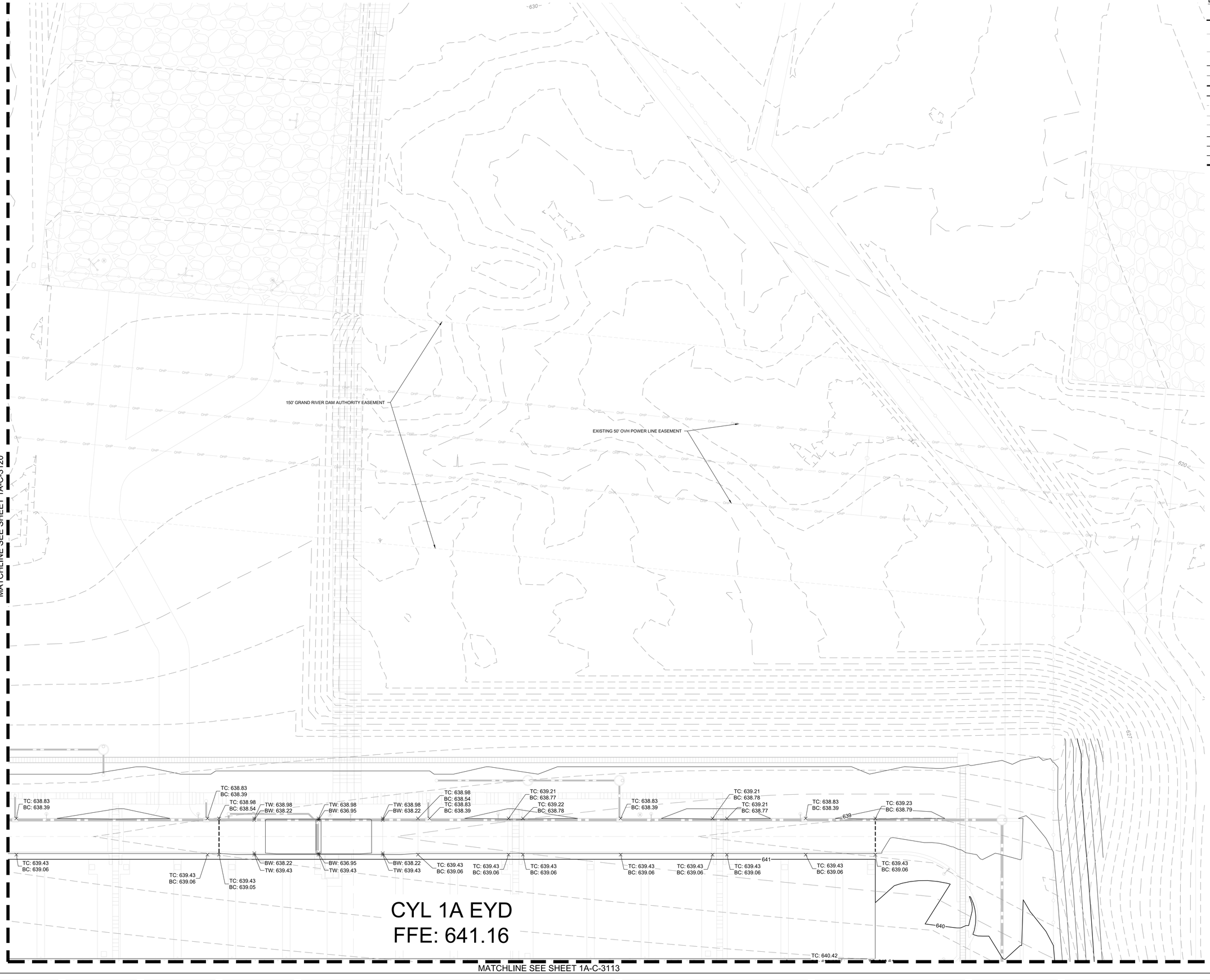
MATCHLINE SEE SHEET 1A-C-3120



CYL 1A EYD
FFE: 641.16

MATCHLINE SEE SHEET 1A-C-3113

LEGEND

	PROPERTY LINE
200	EXISTING MAJOR CONTOUR (1' INTERVAL)
201	EXISTING MINOR CONTOUR (1' INTERVAL)
200	PROPOSED MAJOR CONTOUR
201	PROPOSED MINOR CONTOUR
	GRADE BREAK
LOD	LIMIT OF DISTURBANCE
	EXISTING EASEMENT
G	EXISTING GAS LINE
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0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3121
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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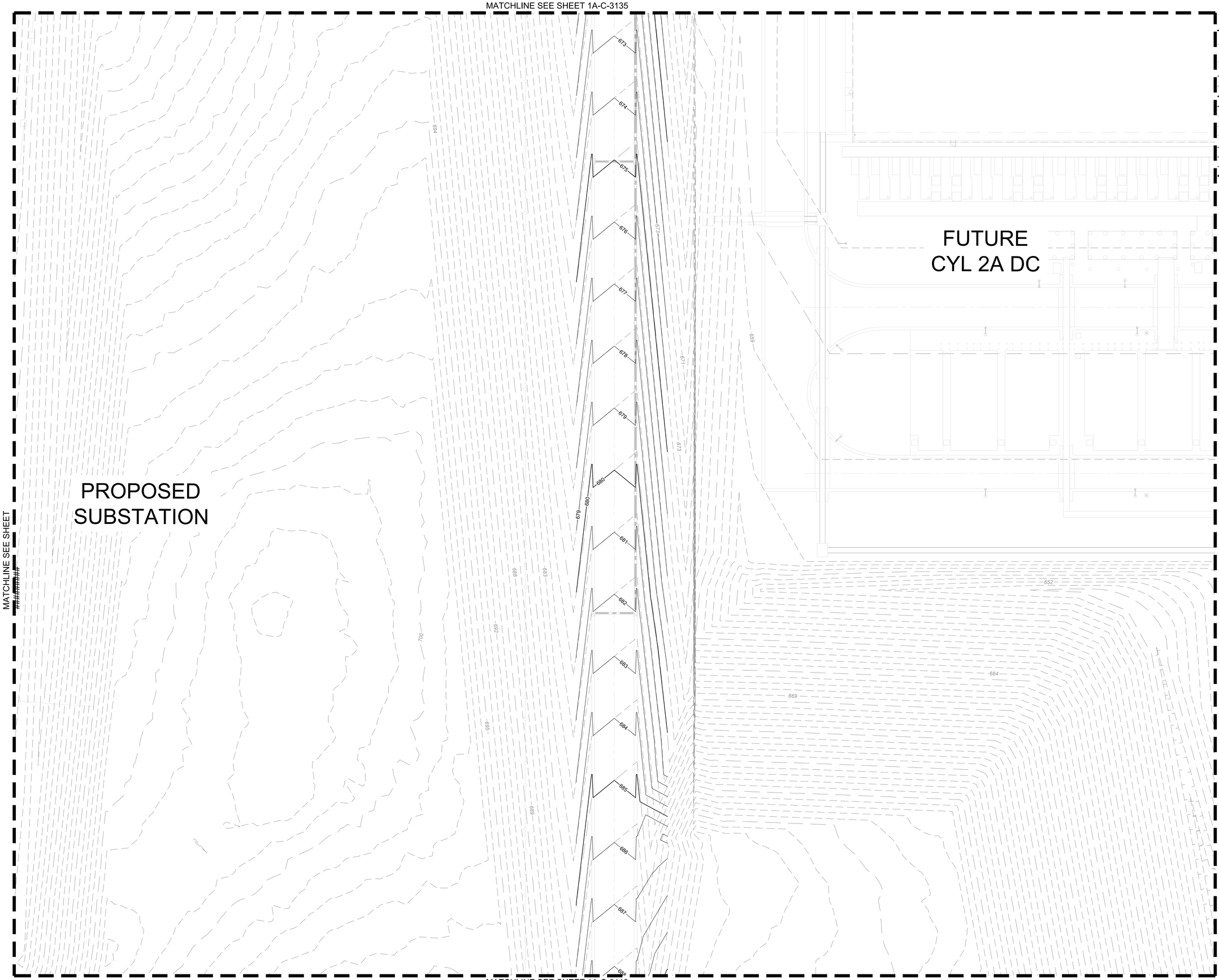

MATCHLINE SEE SHEET ########

MATCHLINE SEE SHEET ########

MATCHLINE SEE SHEET 1A-C-3119

LEGEND

- PROPERTY LINE
- 200 EXISTING MAJOR CONTOUR (1' INTERVAL)
- 201 EXISTING MINOR CONTOUR (1' INTERVAL)
- 200 PROPOSED MAJOR CONTOUR
- 201 PROPOSED MINOR CONTOUR
- GRADE BREAK
- LOD LIMIT OF DISTURBANCE
- EXISTING EASEMENT
- G EXISTING GAS LINE
- OHE EXISTING OVERHEAD ELECTRIC
- DETENTION POND BOTTOM
- BUILDING PAD
- POND EXTENTS
- MATCHLINE
- 281.93 SPOT ELEVATION
- HP HIGH POINT
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- BC BOTTOM OF CURB / GUTTER LINE
- TW TOP OF GRADE AT WALL
- BW BOTTOM OF GRADE @ EXPOSED WALL
- INV INVERT
- RIM TOP OF GRATE / COVER

NOTES

1. CONTRACTOR TO INSTALL ALL REQUIRED INITIAL EPSC MEASURES PER PLANS PRIOR TO ANY DEMOLITION OR CLEARING AND GRUBBING
2. NO IMPACTS TO ANY IDENTIFIED JURISDICTIONAL ENVIRONMENTAL FEATURES OF ANY KIND IS PERMITTED UNTIL APPROVAL BY ODEQ AND USACE. FOLLOWING APPROVAL, ONLY IMPACTS TO FEATURES PERMITTED BY BOTH ADEQ AND USACE IS PERMITTED AND MUST COMPLY WITH PHASING AS IDENTIFIED IN PLANS.
3. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS SHOWN ON PLAN AND IMMEDIATELY NOTIFY ENGINEER/OWNER OF ANY DISCREPANCIES.
4. FEATURES BEYOND THE LIMITS OF DISTURBANCE (LOD) AND WITHIN THE LOD, UNLESS IDENTIFIED FOR REMOVAL ON THE PLANS, SHALL BE PROTECTED IN PLACE (PIP) BY THE CONTRACTOR FOR THE DURATION OF THE WORK.
5. ANY EXISTING STRUCTURE, IMPROVEMENT, OR APPURTENANCE TO REMAIN THAT IS DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS AND GUIDELINES OF THE EROSION CONTROL PLAN AND SITE SWPPP.
7. WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN ONE UNIT VERTICAL IN FIVE UNITS HORIZONTAL (20-PERCENT SLOPE) AND THE DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED.
8. CONTRACTOR TO SEE ABBREVIATIONS LIST (SEE SHEET C-0001), FOR CLARIFICATION.
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N

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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

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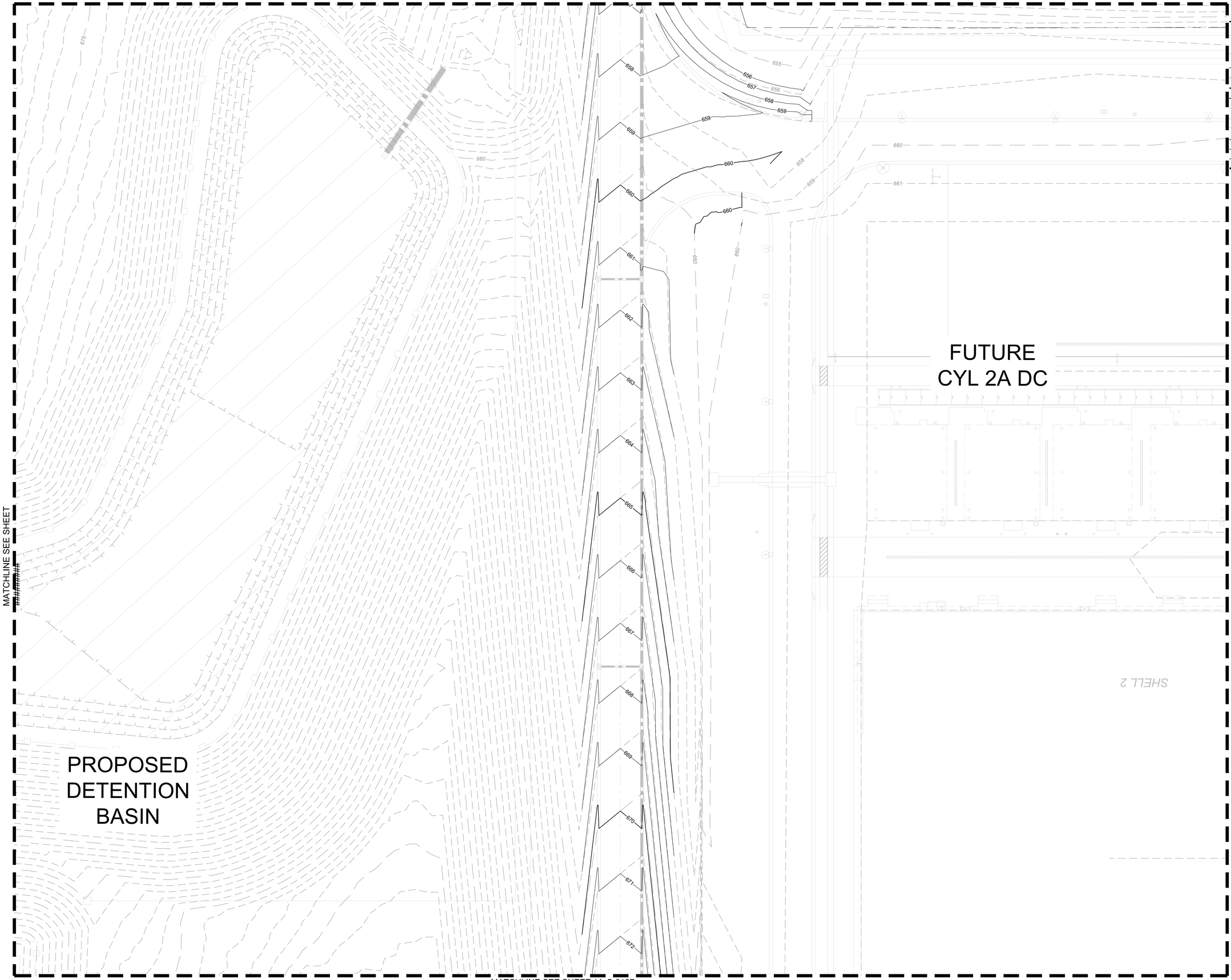
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.:10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3127
PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3143



MATCHLINE SEE SHEET ########

MATCHLINE SEE SHEET ########

MATCHLINE SEE SHEET 1A-C-3127

LEGEND

- PROPERTY LINE
- 200 — EXISTING MAJOR CONTOUR (1' INTERVAL)
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- LOD — LIMIT OF DISTURBANCE
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- G — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- DETENTION POND BOTTOM
- BUILDING PAD
- POND EXTENTS
- MATCHLINE
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- INV — INVERT
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N

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SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3125 GRADING AND DRAINAGE PLAN 6/19/2025 11:19 AM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

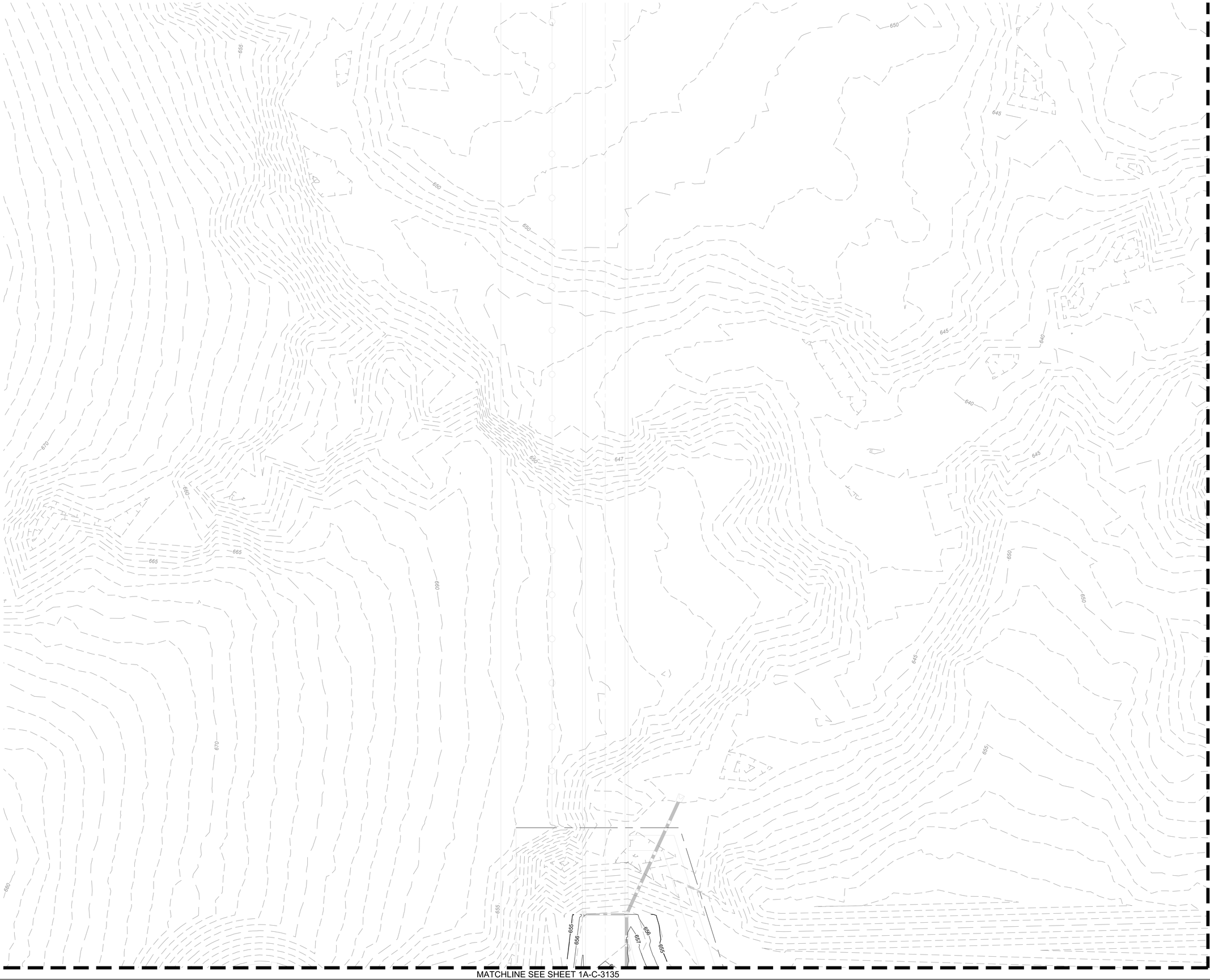
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

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MATCHLINE SEE SHEET 1A-C-3135

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

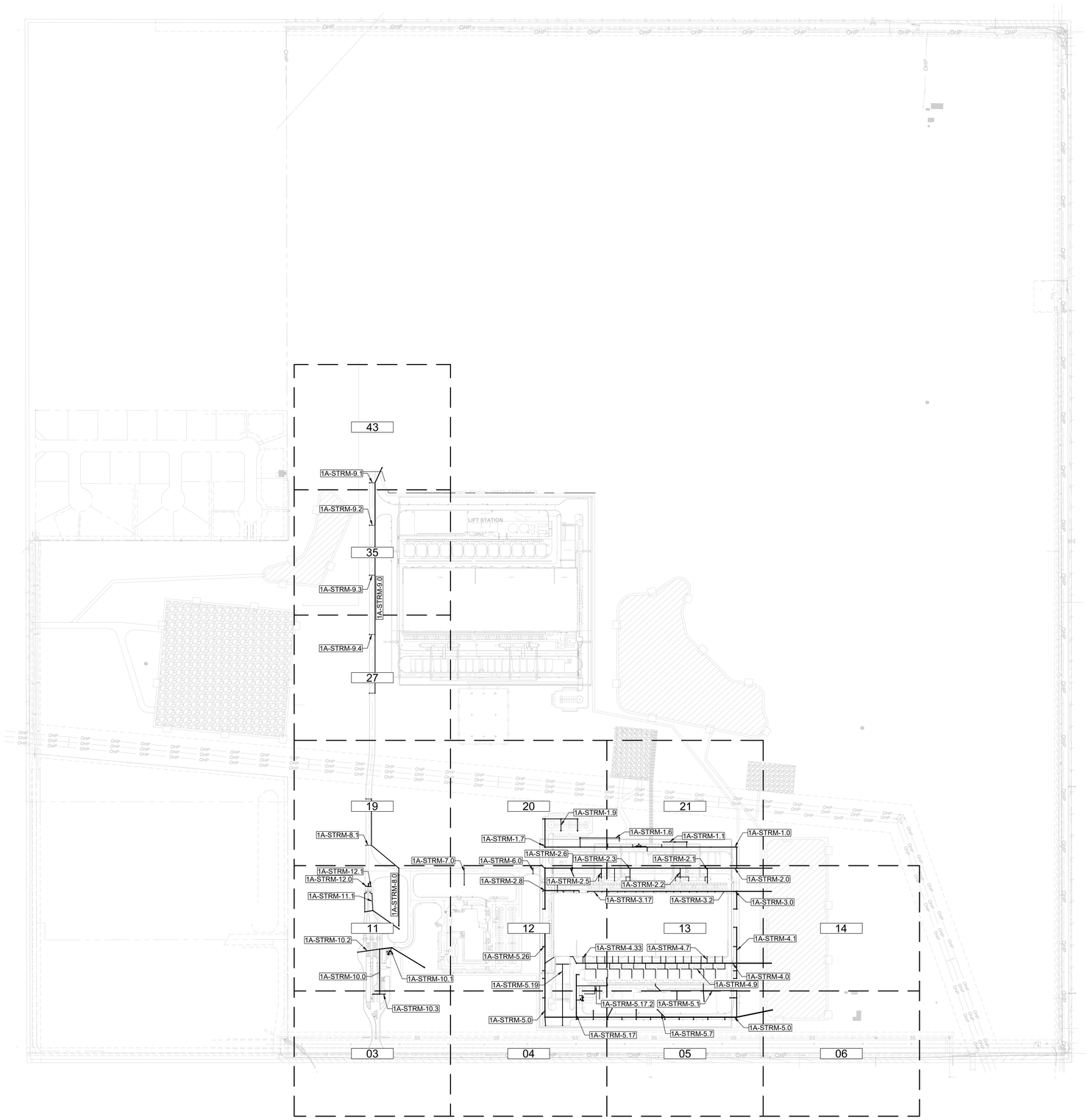
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

GRADING AND DRAINAGE PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3143
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3200 STORM SEWER PLAN - OVERALL 6/20/2025 7:38 AM

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DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
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PROJ. NO.: 10434525

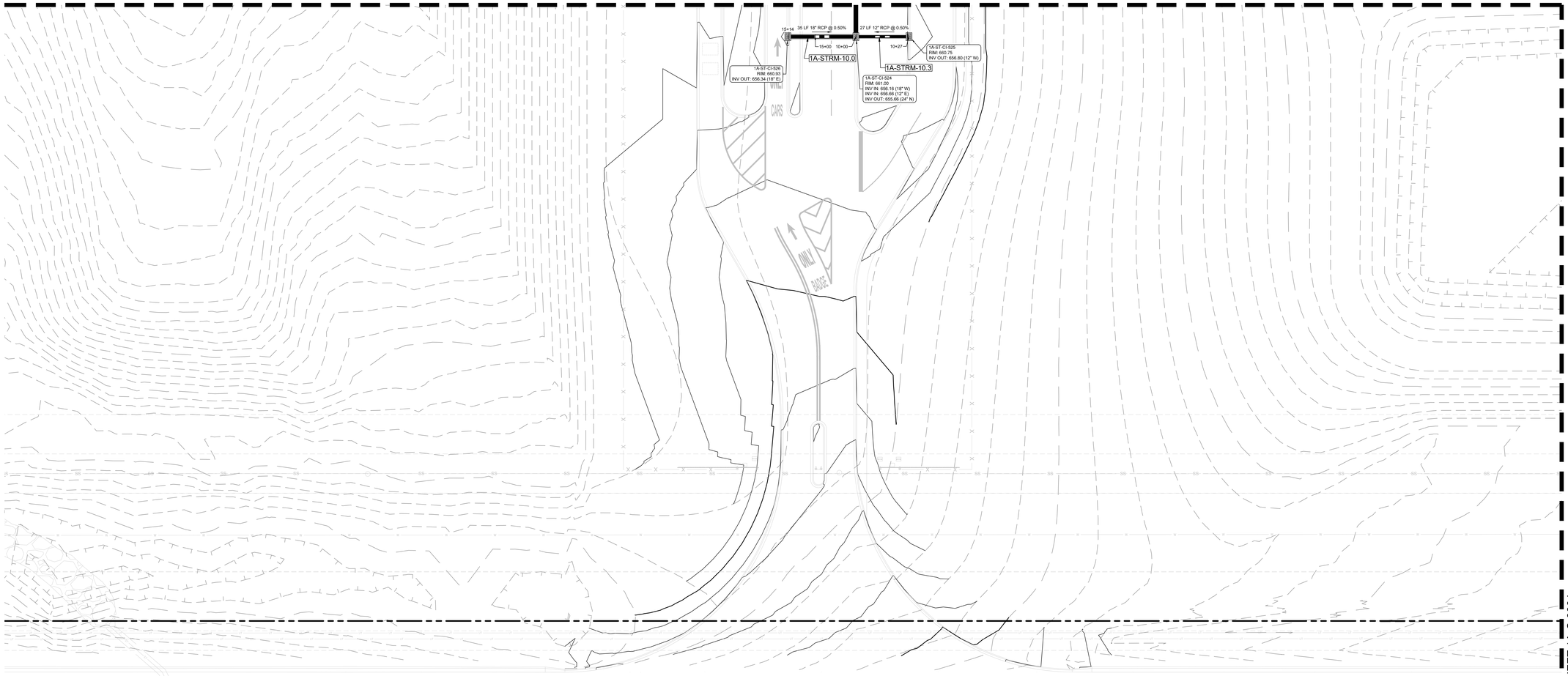
STORM SEWER PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3200

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3311



MATCHLINE SEE SHEET 1A-C-3304

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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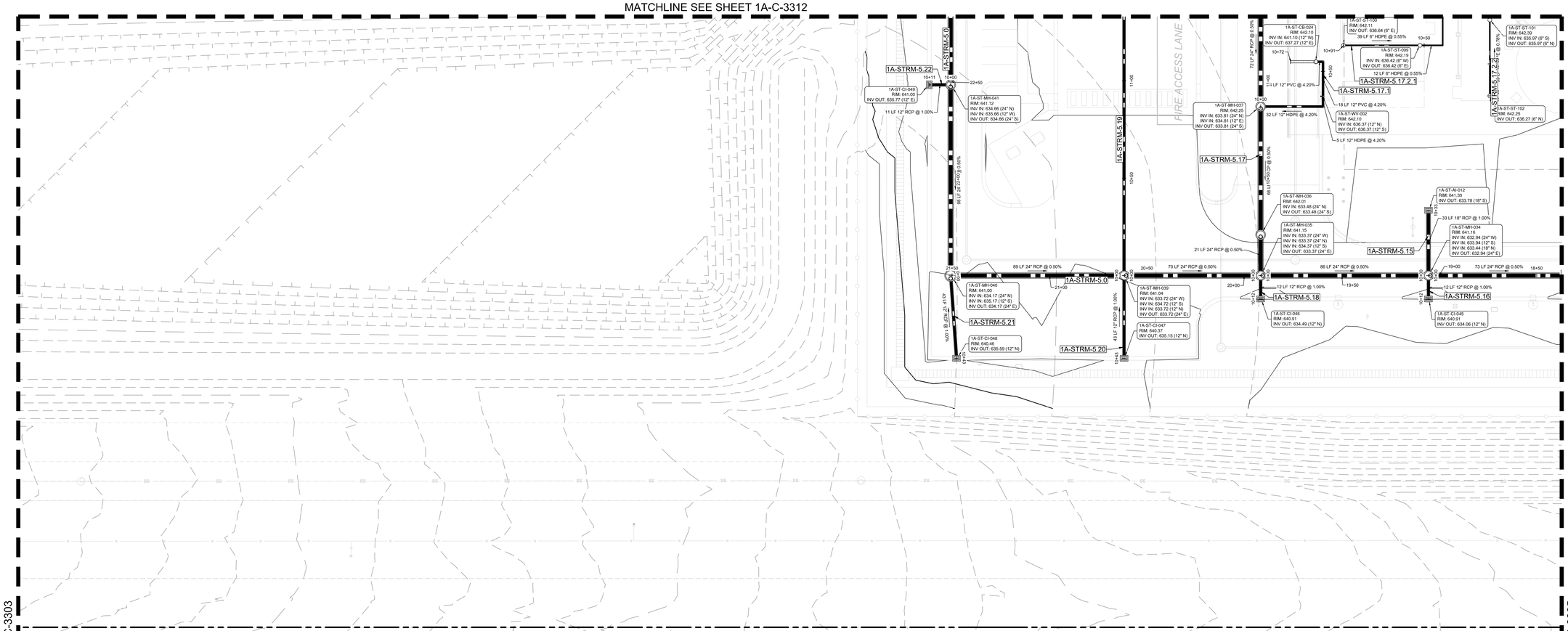
STORM SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3303
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3312



MATCHLINE SEE SHEET 1A-C-3303

MATCHLINE SEE SHEET 1A-C-3305

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

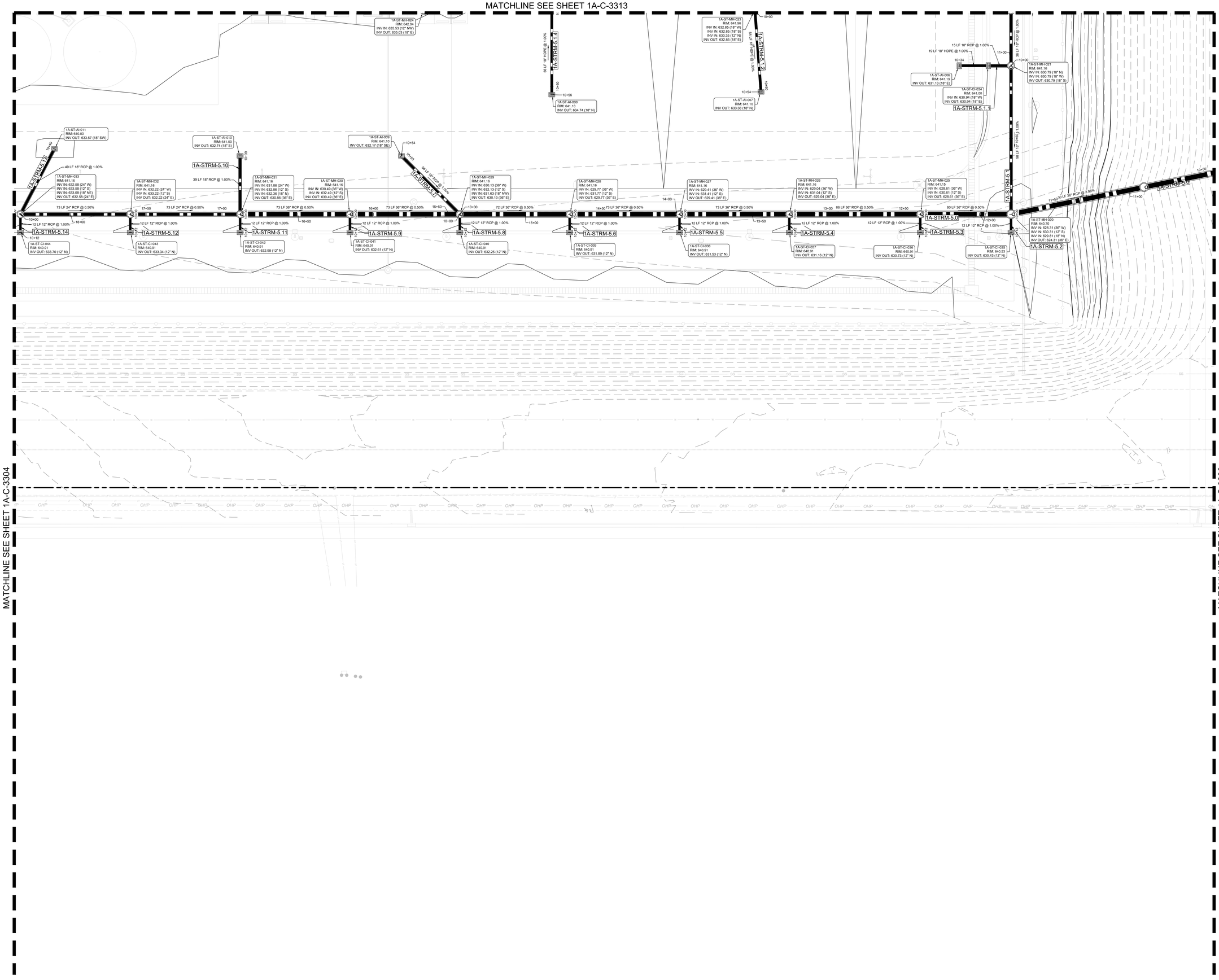
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

STORM SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3304
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3313



MATCHLINE SEE SHEET 1A-C-3304

MATCHLINE SEE SHEET 1A-C-3306

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

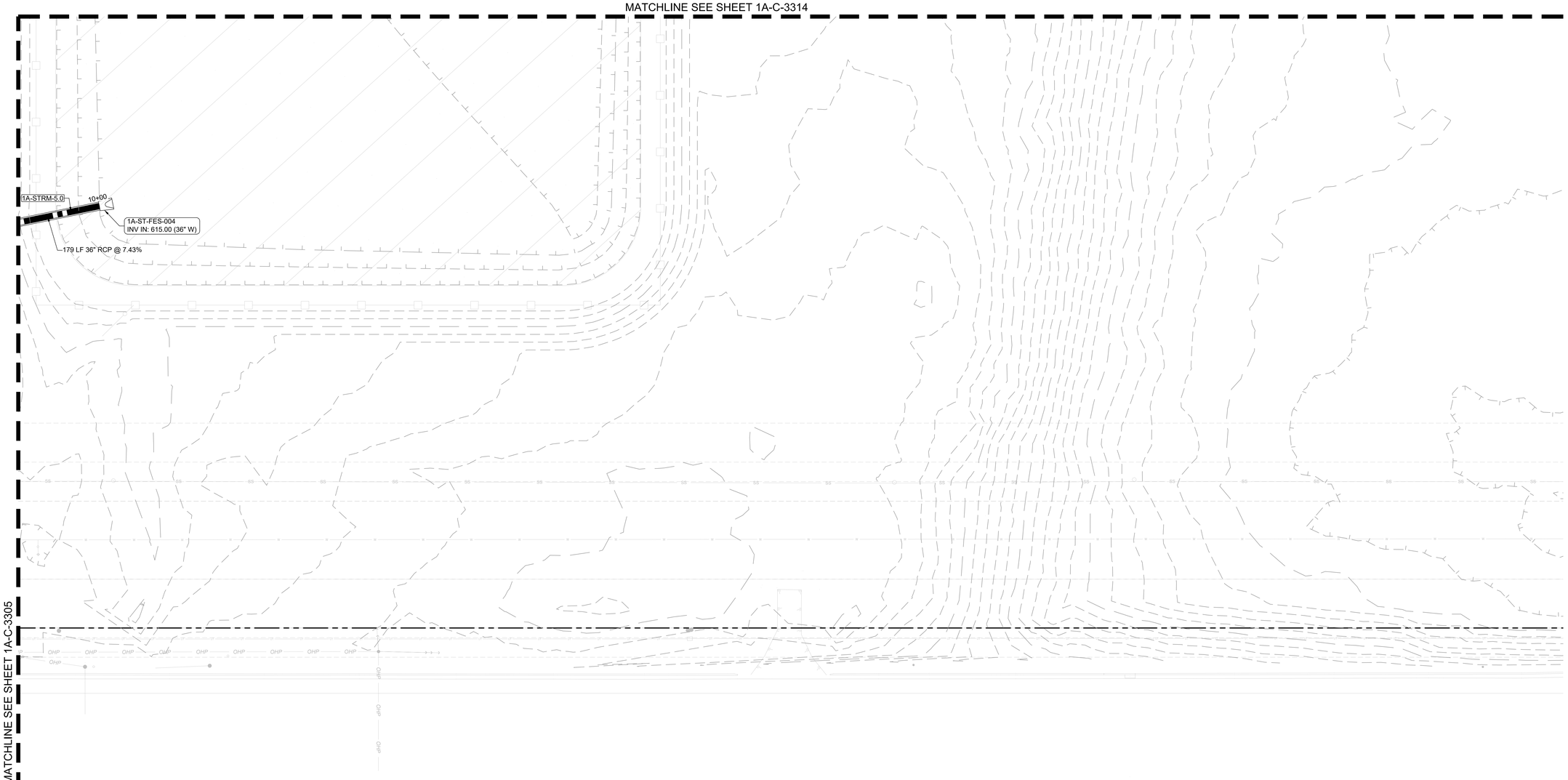
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

STORM SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3305
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3314



MATCHLINE SEE SHEET 1A-C-3305

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3306 STORM SEWER PLAN 6/19/2025 11:53 AM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

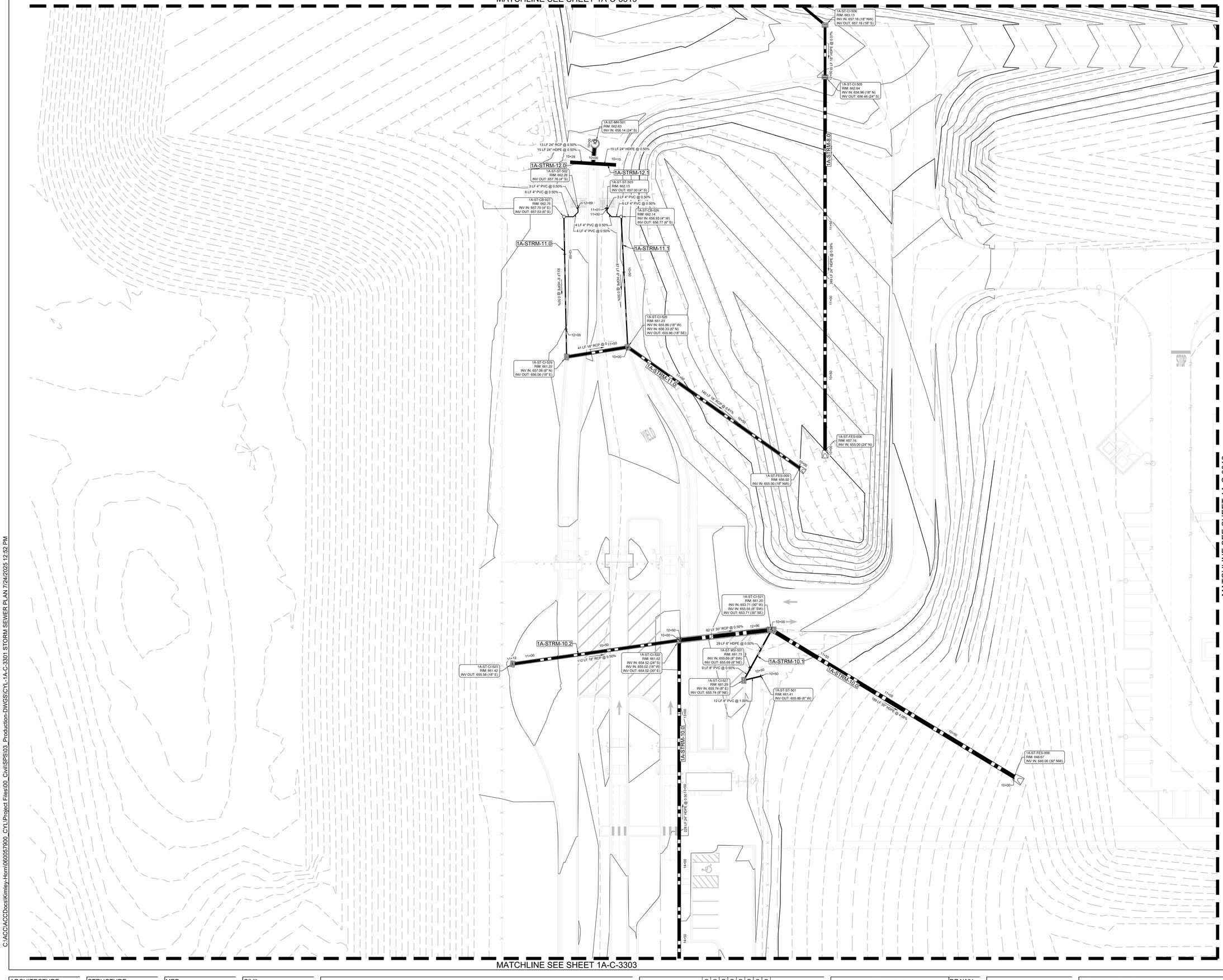
STORM SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3306
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3319

MATCHLINE SEE SHEET 1A-C-3312

MATCHLINE SEE SHEET 1A-C-3303



LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3311

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3320

MATCHLINE SEE SHEET 1A-C-3311

MATCHLINE SEE SHEET 1A-C-3313

MATCHLINE SEE SHEET 1A-C-3304

1A-ST-CI-504
RIM: 652.42
INV OUT: 648.16 (12" S)

12" STW

1A-ST-CI-503
RIM: 652.42
INV IN: 648.02 (12" N)
INV OUT: 647.52 (18" S)

18" STW

1A-STRM-7.0

1A-ST-FES-005
RIM: 646.65
INV IN: 645.00 (18" N)

1A-ST-CI-502
RIM: 640.01
INV OUT: 636.00 (18" S)

1A-STRM-6.0

18" STW

1A-ST-CI-501
RIM: 640.00
INV IN: 635.86 (18" N)

1A-STRM-2.7

25 LF 12" RCP @ 10.62%

1A-ST-MH-020
RIM: 640.00
INV IN: 633.82 (24" S)
INV IN: 634.82 (12" NW)
INV OUT: 633.82 (24" E)

1A-STRM-2.0

1A-STRM-2.6

1A-STRM-2.5

1A-STRM-2.5.1

1A-STRM-2.8.1

1A-STRM-2.8

1A-STRM-2.8.2

1A-STRM-2.8.3

1A-STRM-2.8.4

1A-STRM-3.0

1A-STRM-4.0

1A-STRM-4.28

1A-STRM-4.30

1A-STRM-4.31

1A-STRM-4.32

1A-STRM-4.33

1A-STRM-5.0

1A-STRM-5.19

1A-STRM-5.19.1

1A-STRM-5.23

1A-STRM-5.24

1A-STRM-5.26

1A-STRM-5.29

1A-STRM-5.17

1A-STRM-5.17.2

1A-STRM-5.17.2.1

1A-STRM-5.17.2.2

CYL 1A
FFE: 643.0'

NO PARKING

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTOR TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (A) (C) (DI), AND JUNCTION BOX (STMH) DETAILS.
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N

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SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3312

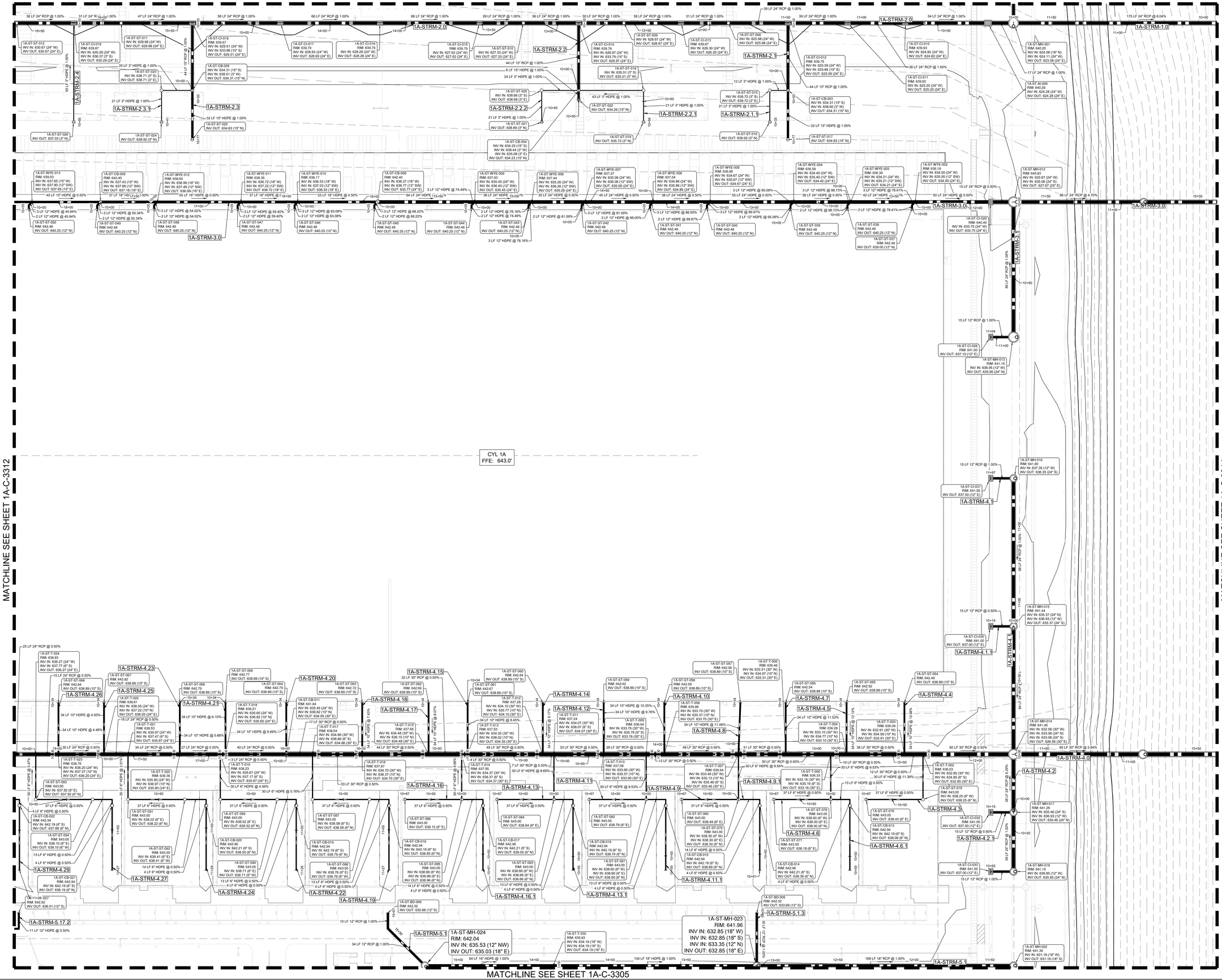
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3321

MATCHLINE SEE SHEET 1A-C-3312

MATCHLINE SEE SHEET 1A-C-3314

MATCHLINE SEE SHEET 1A-C-3305



LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

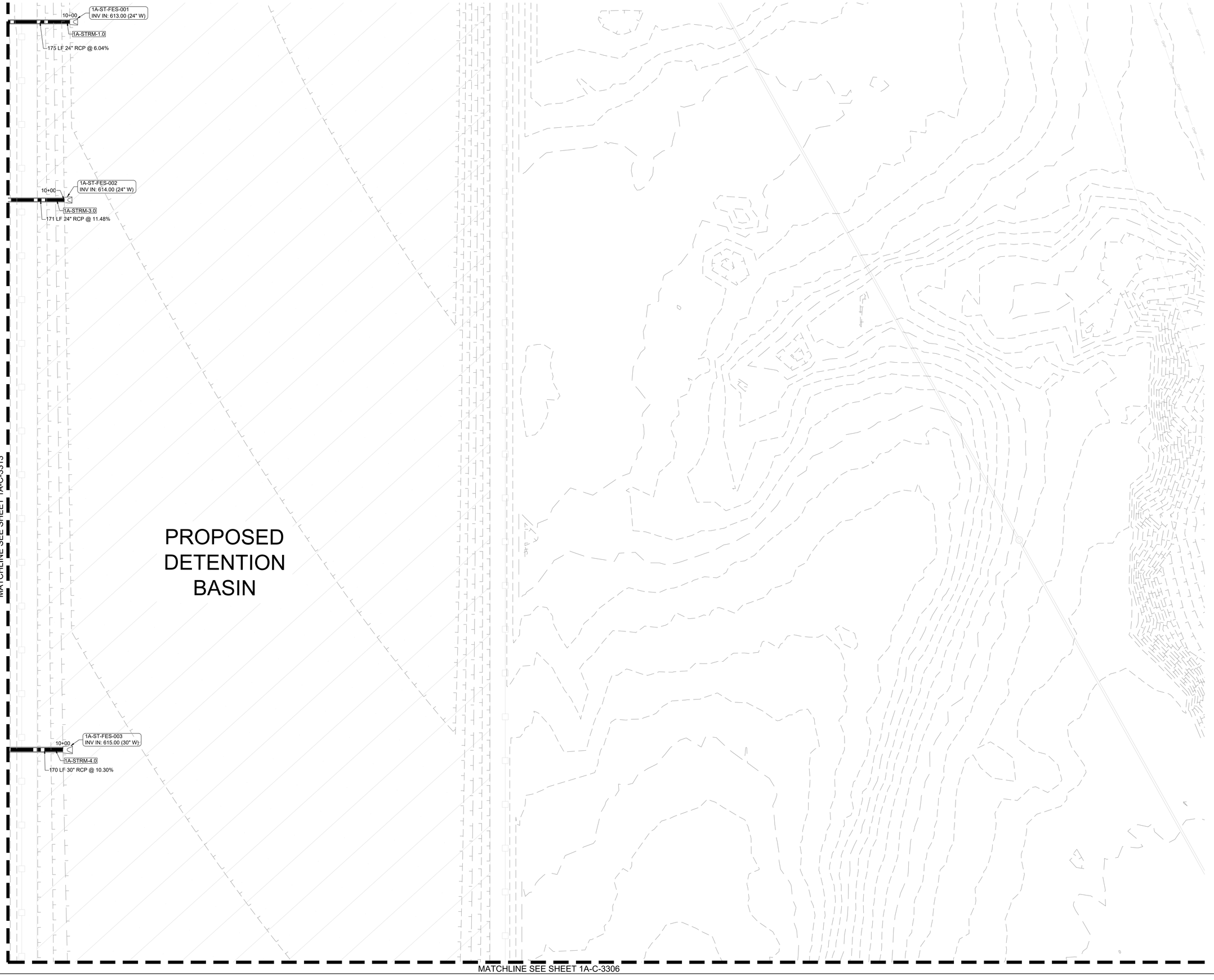
PROJ. NO.:10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3313

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3306 STORM SEWER PLAN 6/19/2025 11:53 AM

ARCHITECTURE:
HDR Architecture, Inc.
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

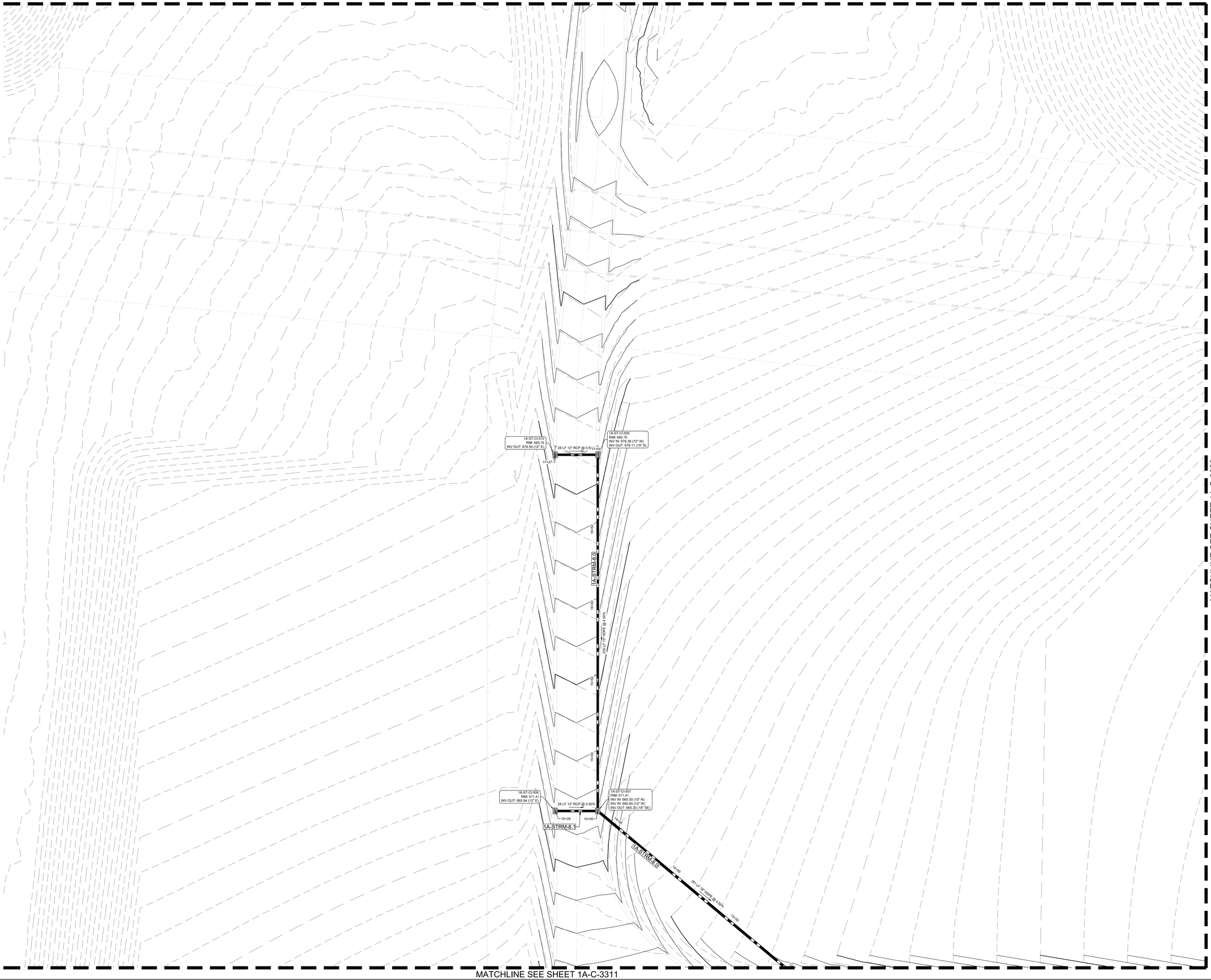
STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3314

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3327



MATCHLINE SEE SHEET 1A-C-3320

MATCHLINE SEE SHEET 1A-C-3311

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

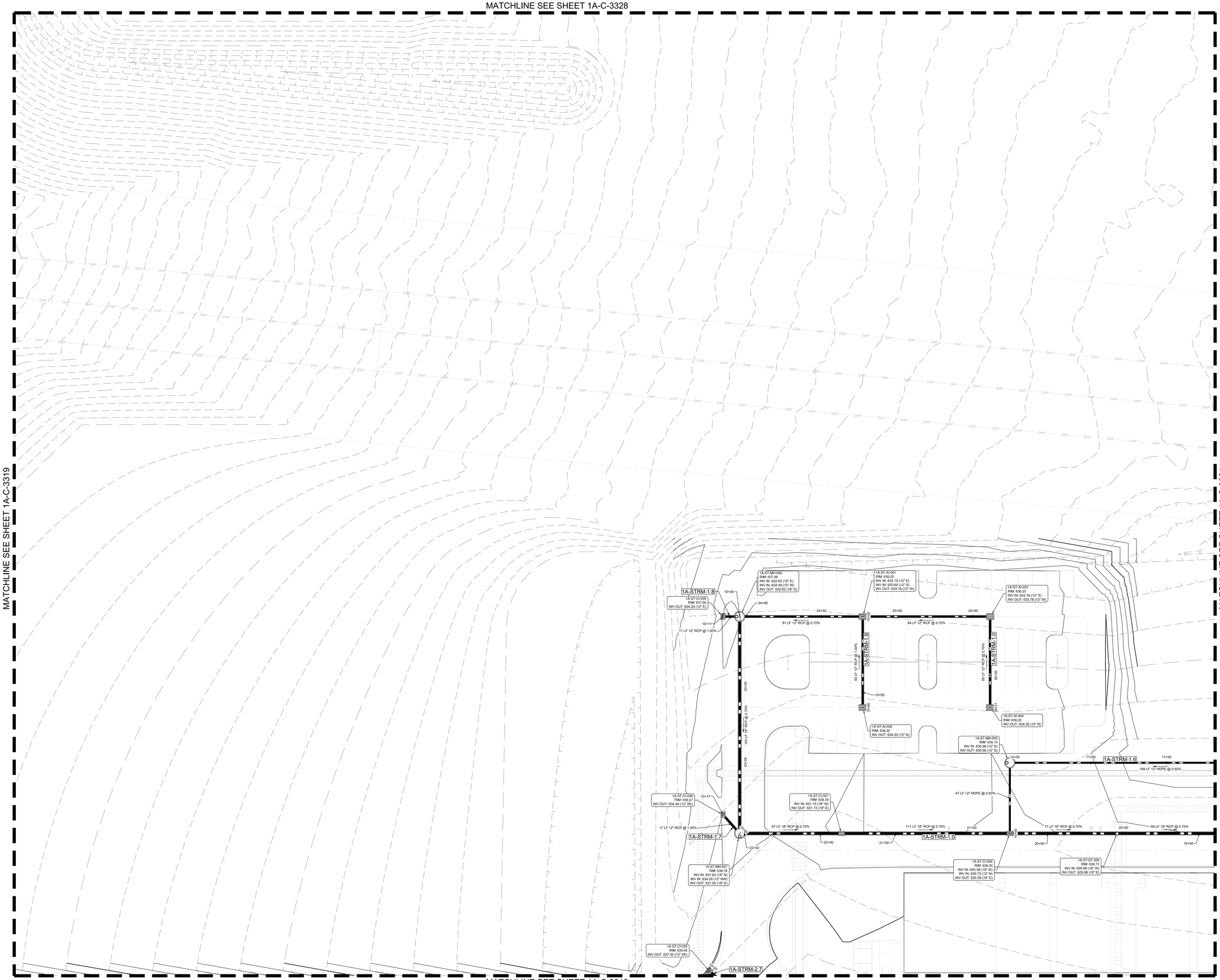
STORM SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3319
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3328

MATCHLINE SEE SHEET 1A-C-3319

MATCHLINE SEE SHEET 1A-C-3321



MATCHLINE SEE SHEET 1A-C-3312

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PLAN

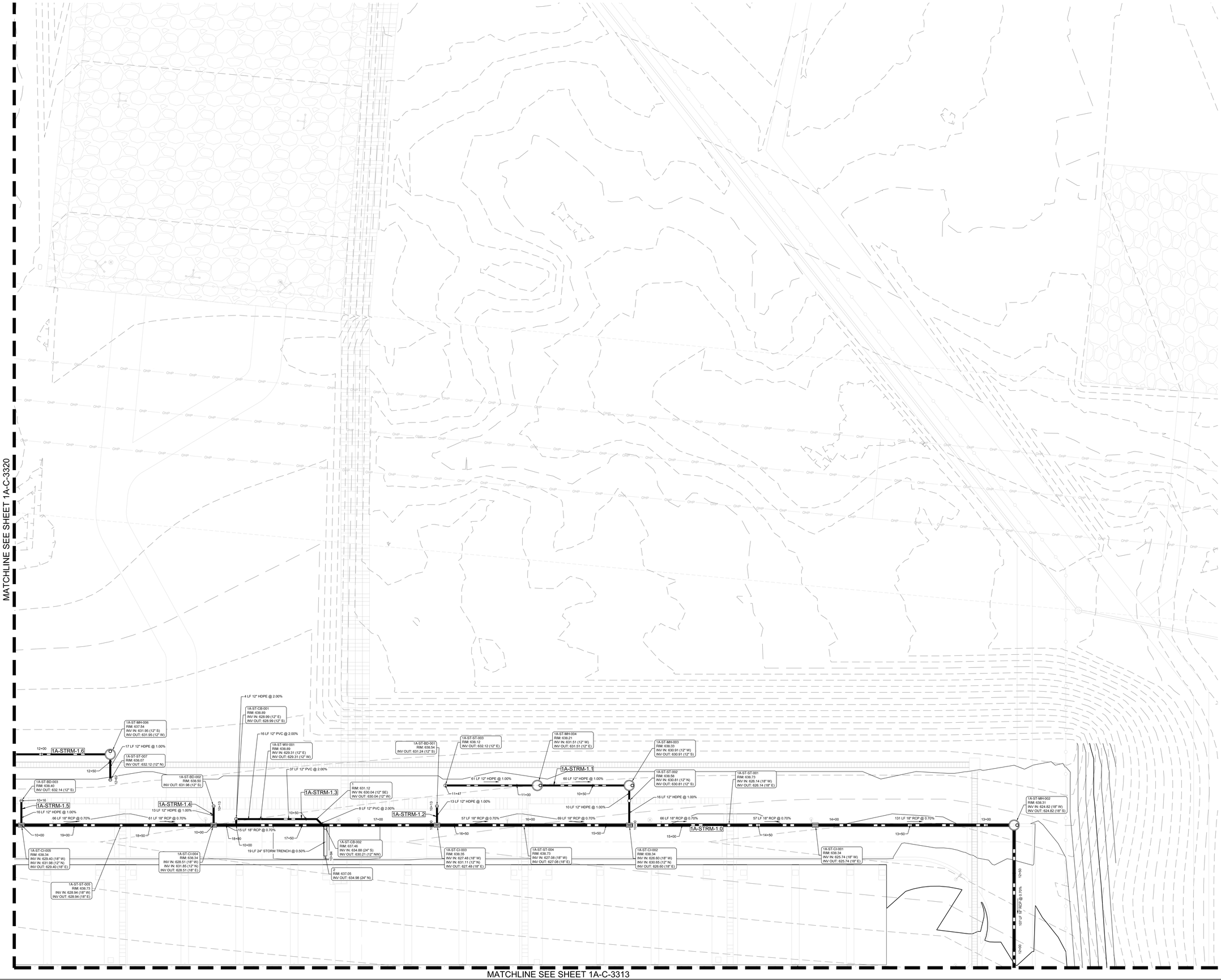
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3320

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3301 STORM SEWER PLAN 7/24/2025 12:52 PM

MATCHLINE SEE SHEET 1A-C-3320



LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
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9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

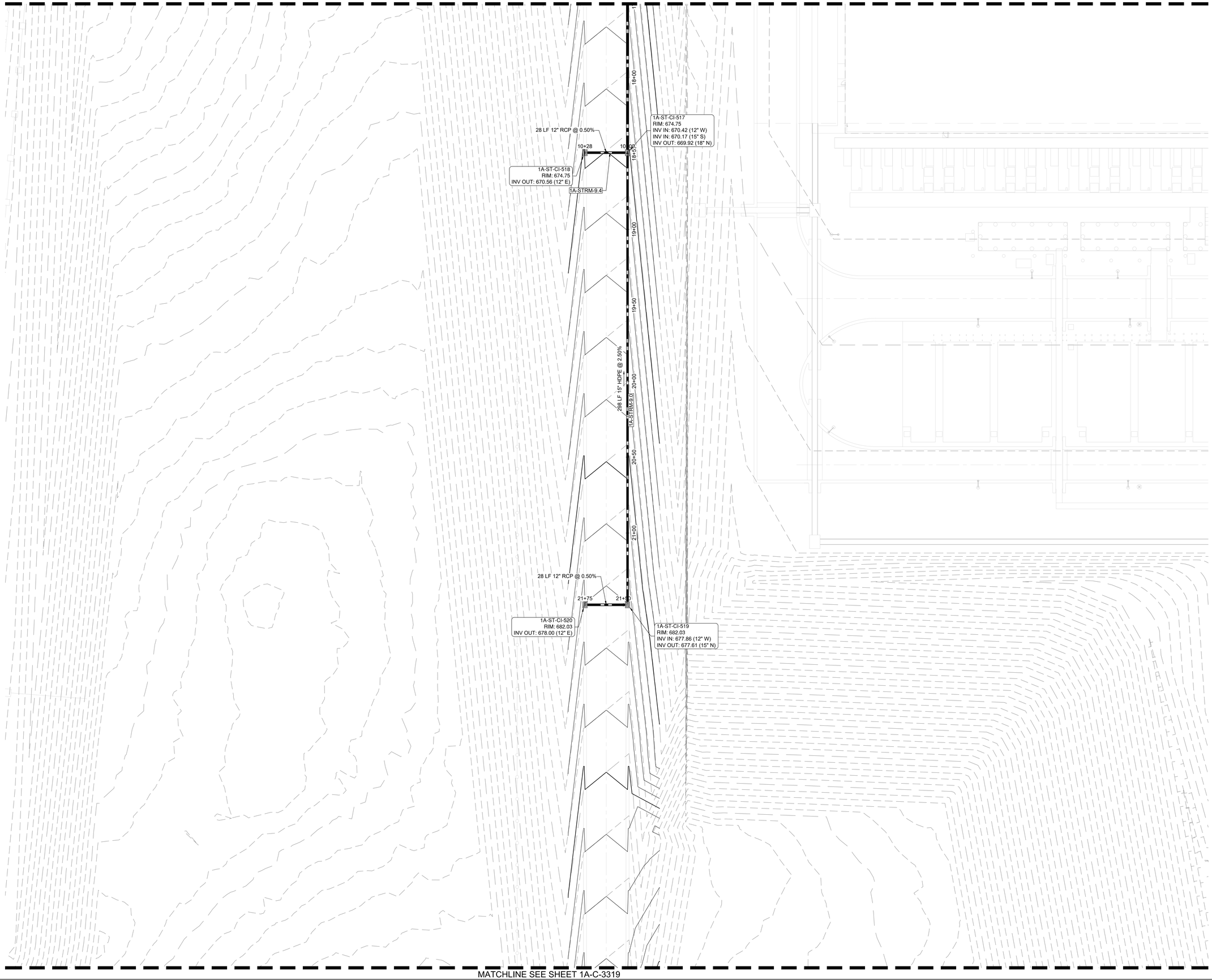
STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3321

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3335



MATCHLINE SEE SHEET 1A-C-3319

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
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6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
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NOTES

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N

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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3327

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-3343

PROPOSED DETENTION BASIN

215 LF 24" HDPE @ 2.50%

28 LF 12" RCP @ 0.50%

1A-ST-CI-513
RIM: 661.23
INV IN: 656.59 (12" W)
INV IN: 656.09 (18" S)
INV OUT: 655.59 (24" N)

1A-ST-CI-514
RIM: 661.23
INV OUT: 656.73 (12" E)

1A-STRM-9.2

253 LF 18" HDPE @ 2.50%

28 LF 12" RCP @ 0.50%

1A-ST-CI-515
RIM: 667.41
INV IN: 662.92 (12" W)
INV IN: 662.42 (18" S)
INV OUT: 662.42 (18" N)

1A-ST-CI-516
RIM: 667.41
INV OUT: 663.06 (12" E)

1A-STRM-9.3

300 LF 18" HDPE @ 2.50%

MATCHLINE SEE SHEET 1A-C-3327

LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

SHEET 2

C:\ACCVACCDocs\Kimley-Horn\960057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-3325 STORM SEWER PLAN 6/19/2025 12:02 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

MEP:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

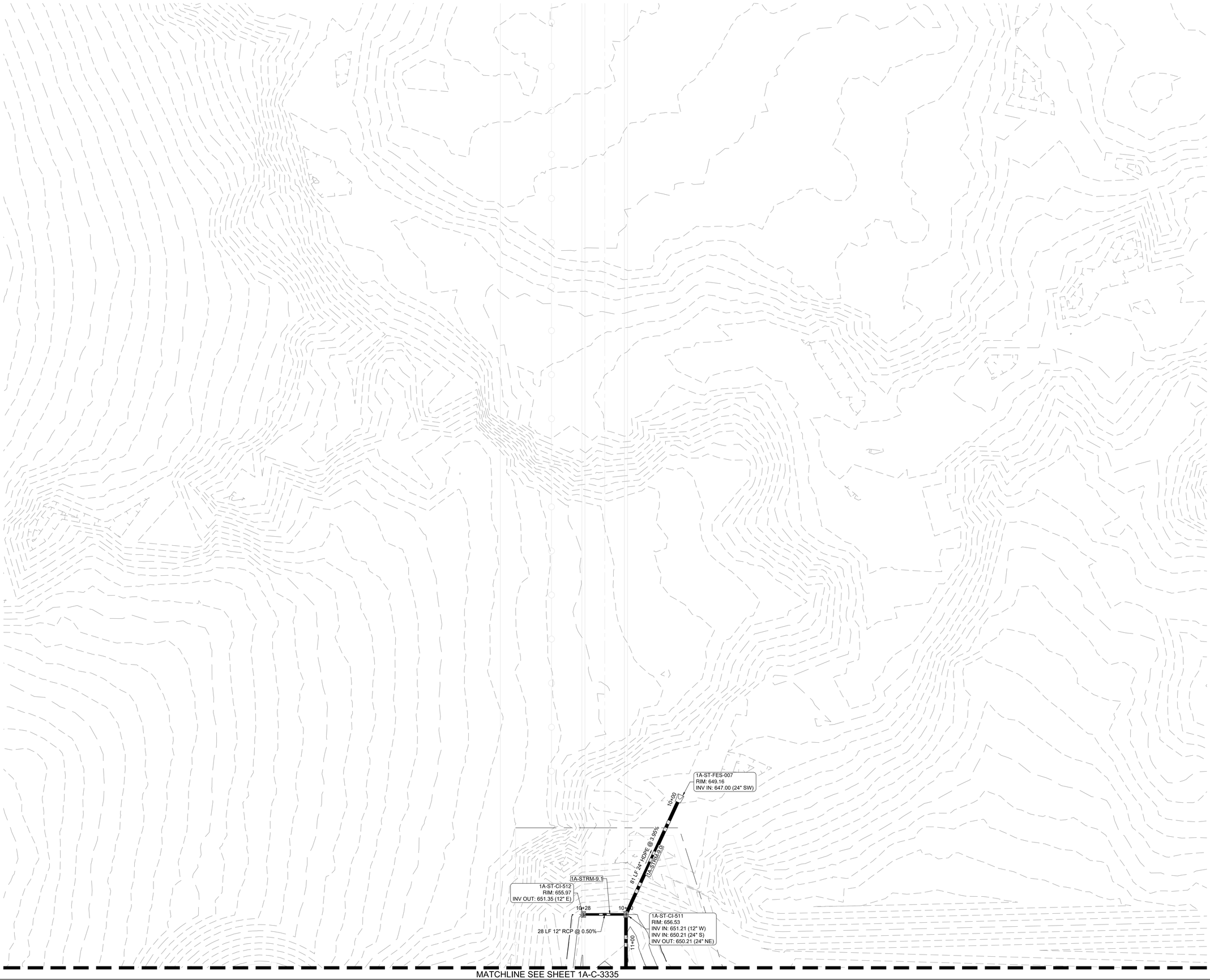
PROJ. NO.: 10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3335

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET

CONSTRUCTION NOTES

1. INSTALL 12" TRENCH DRAIN PER DETAIL 2A-C-3501.
2. 43 LF 6" TRENCH DRAIN @ 0.50%.
3. CONNECT TO TELECOM TRENCH PER DETAIL SHEET 2A-C-7502. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
4. CONNECT TO ELECTRIC TRENCH PER DETAIL SHEET 2A-C-7500. CONTRACTOR TO MAINTAIN A MINIMUM 0.5% SLOPE.
5. ROOF DRAIN CONNECTION TO MAIN VIA WYE AND 1/8 BEND PER DETAIL SHEET 2A-C-3503.
6. CONNECT TO POWER DRAIN AND ACO CATCH BASIN. SEE DETAIL SHEET 2A-C-3502
7. INSTALL PERFORATED UNDERDRAIN SEE DETAIL SHEET 2A-C-3503
8. CONTAINMENT ISOLATION VALVE WITH EXTENDED BONNET HANDWHEEL OPERATOR, PIPE UPSTREAM OF VALVE SHALL BE PVC AND SEALED AND TESTED TO FULLY CONTAIN A SPILL - SEE DETAIL SHEET 2A-C-3503.
9. CONNECT ACO TRENCH DRAIN TO IN-LINE ACO CATCH BASIN AND CONNECT 8" PIPE BETWEEN THE IN-LINE CATCH BASIN AND THE ADS NYLOPLAST DRAIN BASIN.

NOTES

1. SEE SHEET 2A-C-3200 FOR STORM MAIN ALIGNMENT NAMES AND TABLES.
2. SEE SHEETS 2A-C-3500, 2A-C-3501 AND 2A-C-3502 FOR STORM INLETS (AI) (CI) (DI), AND JUNCTION BOX (STMH) DETAILS.
3. UNLESS OTHERWISE NOTED ALL CURB INLET OPENINGS WILL BE 3'.

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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DENVER, CO 80202
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MEP:
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DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3343

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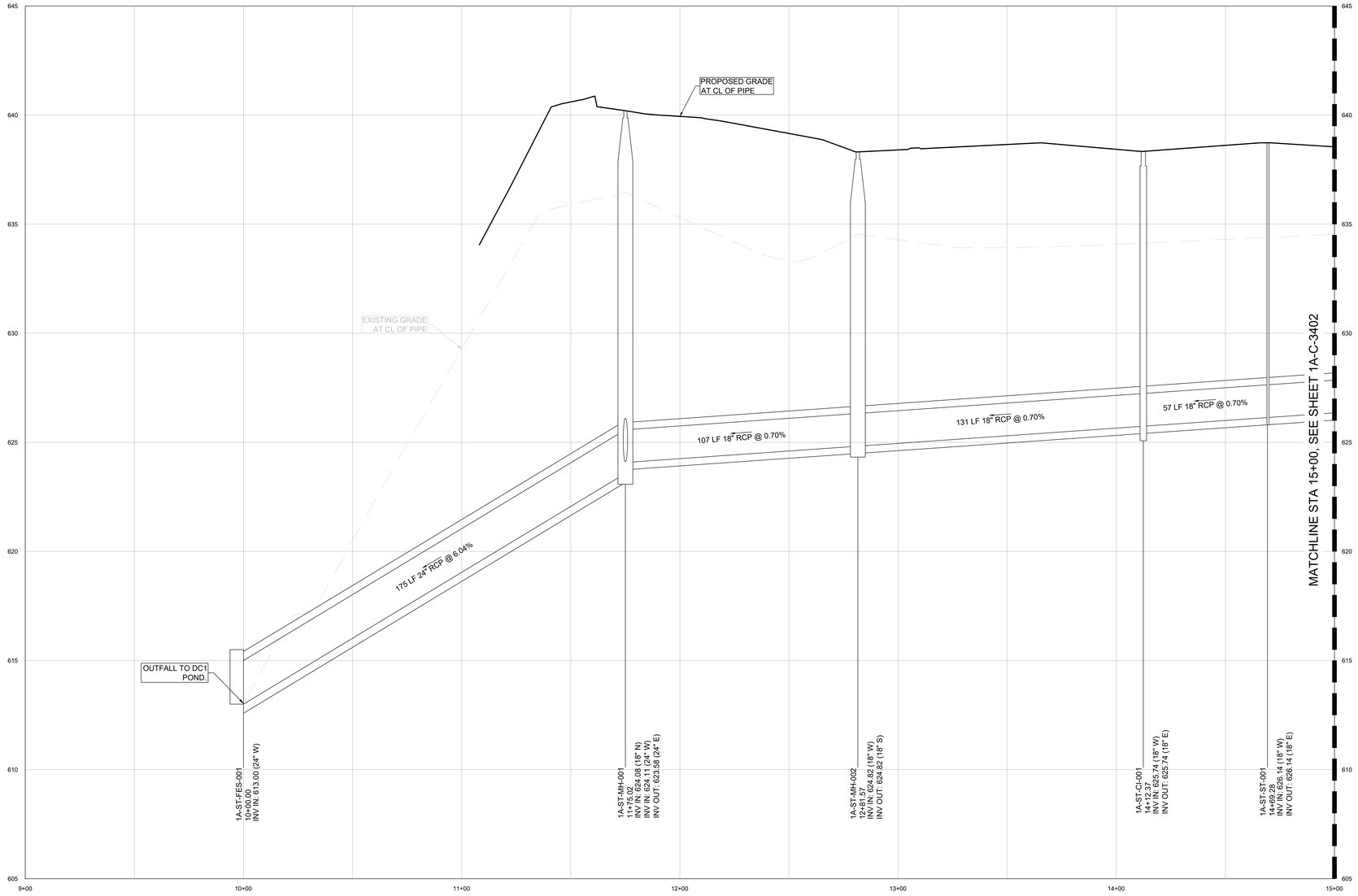
PHASE:SPS 65% DESIGN



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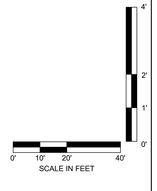

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ARCHITECTURE: HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	STRUCTURE: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	MEP: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400
CIVIL: Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868	CYL1A (E3 Drawing Set) (NOT FOR CONSTRUCTION) 2025-08-18	KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

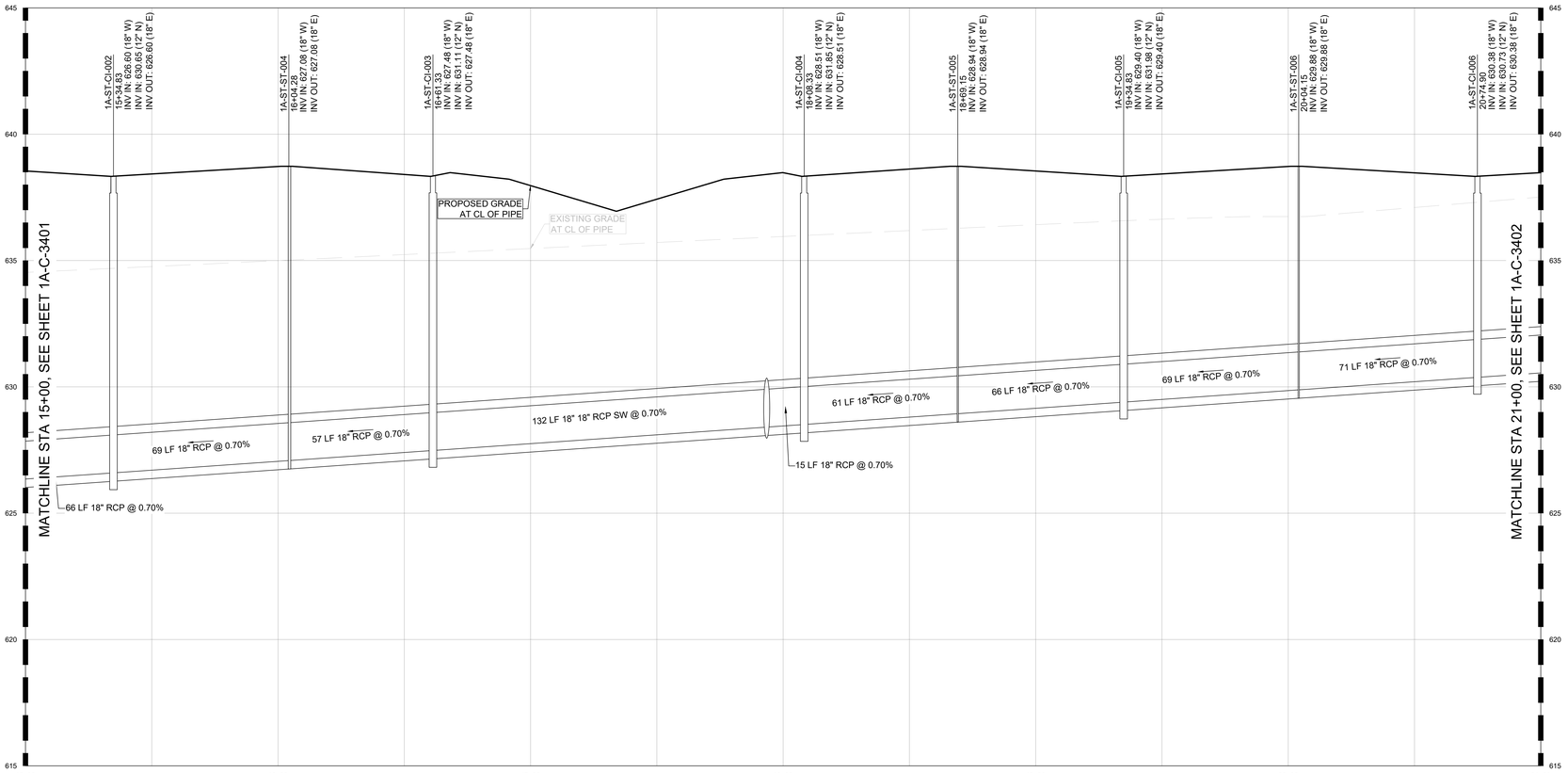
PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3401

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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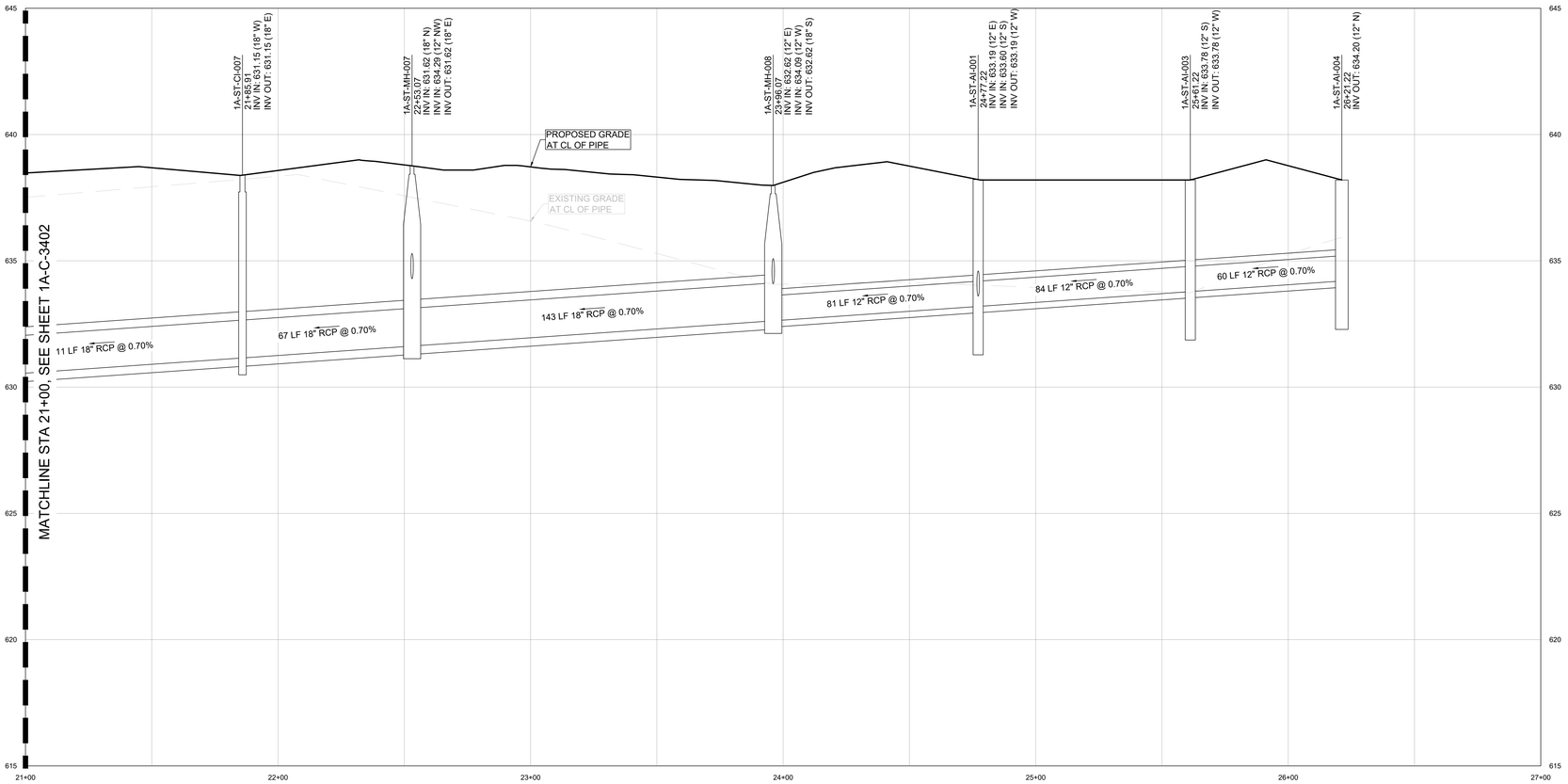

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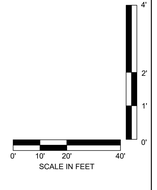

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3402

PAPER SIZE: E (36"x48")
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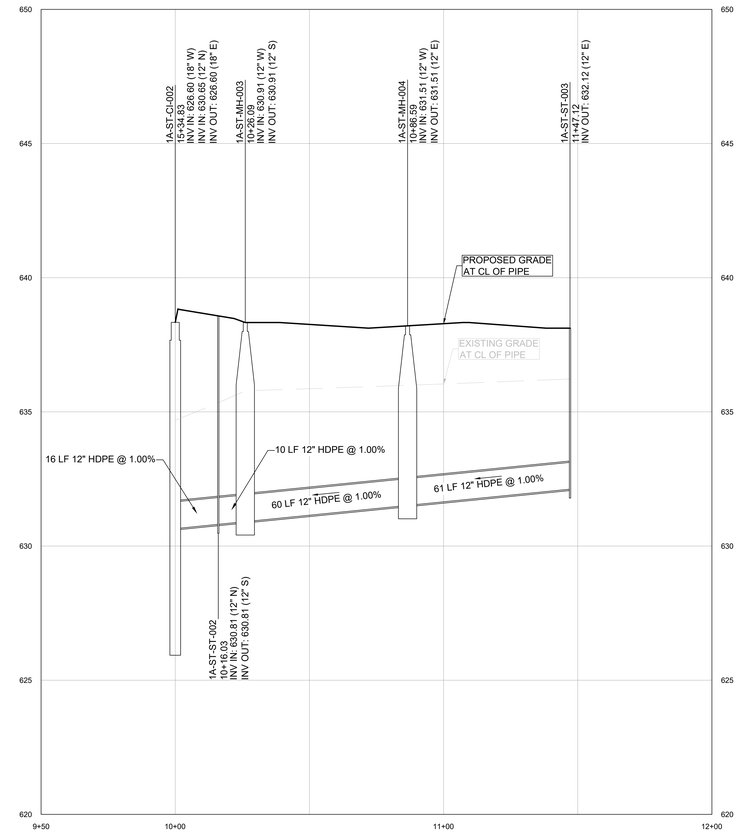

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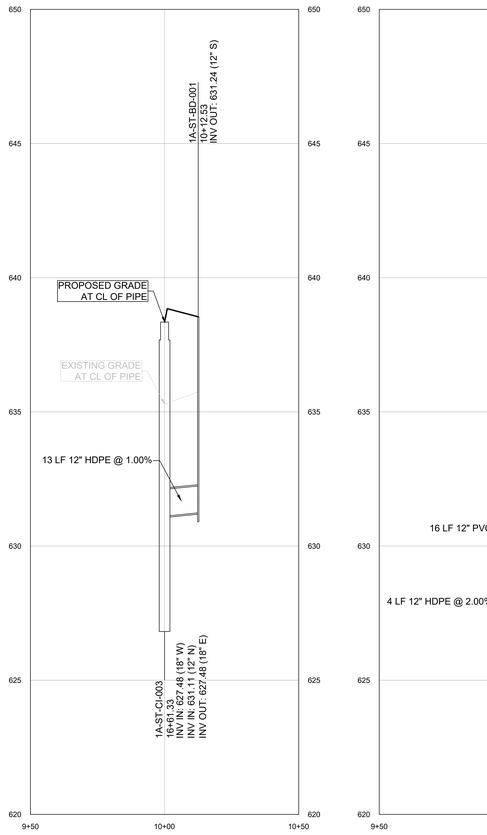

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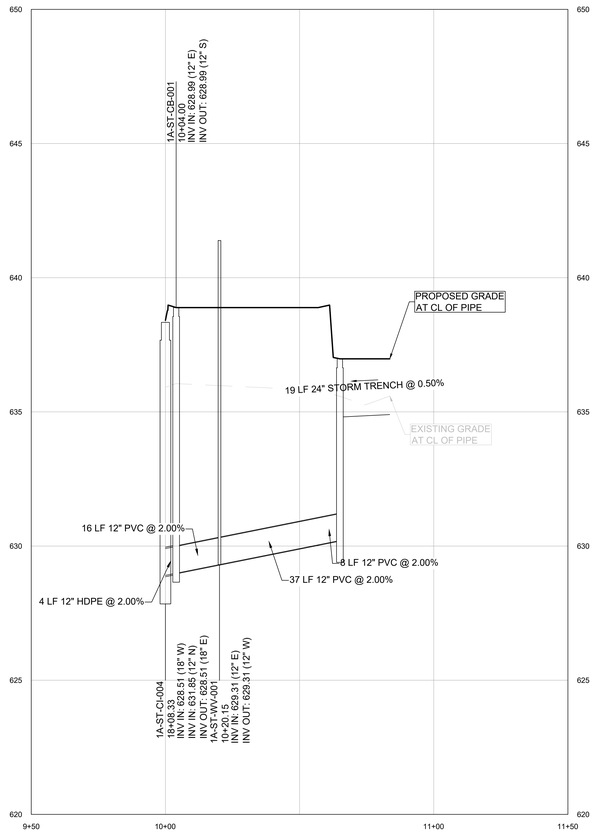

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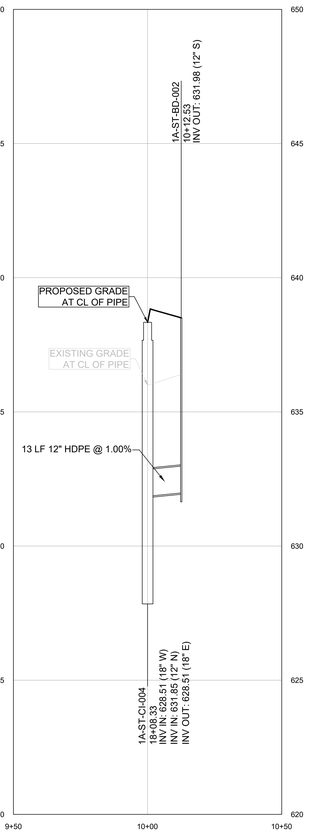

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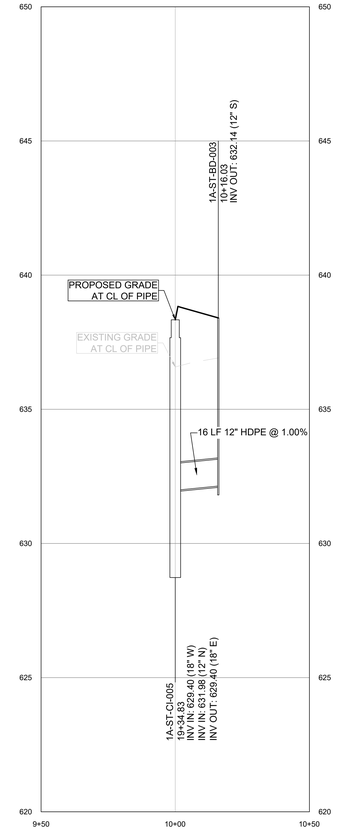

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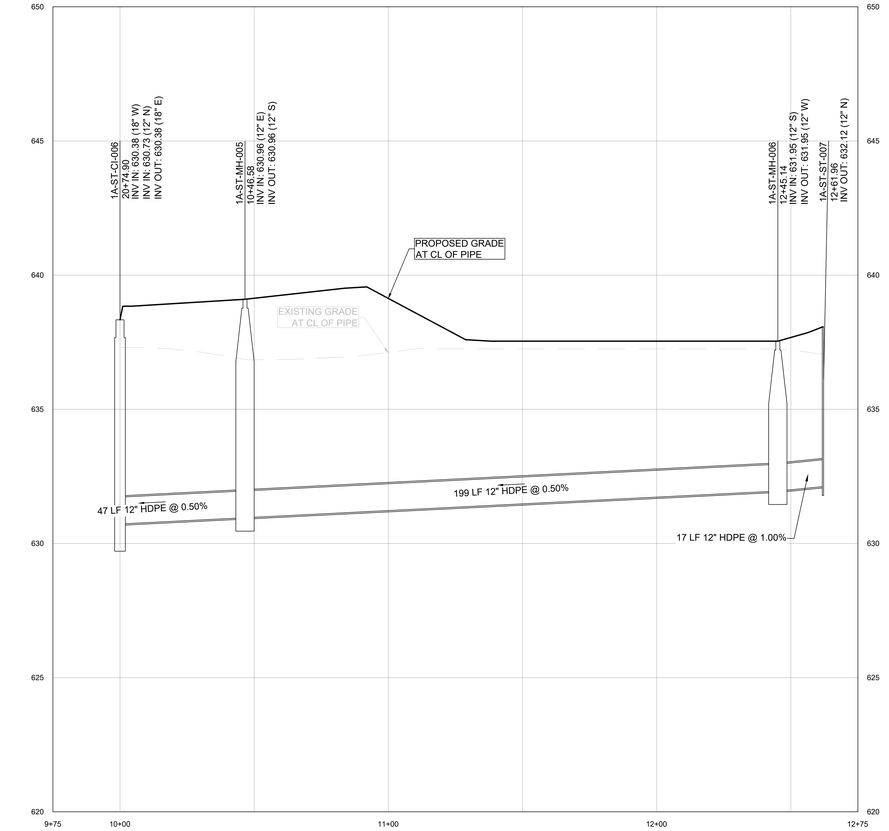

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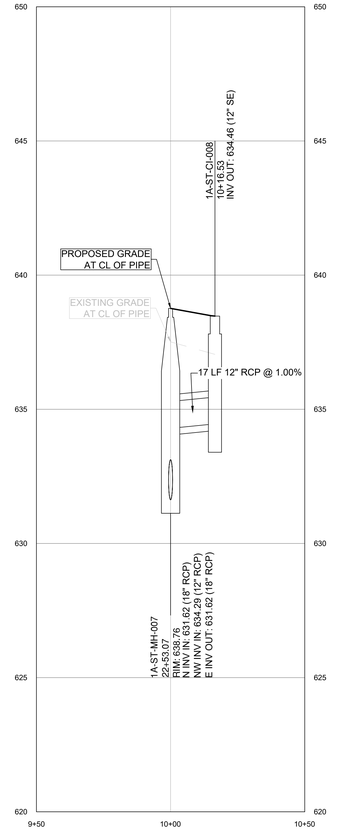

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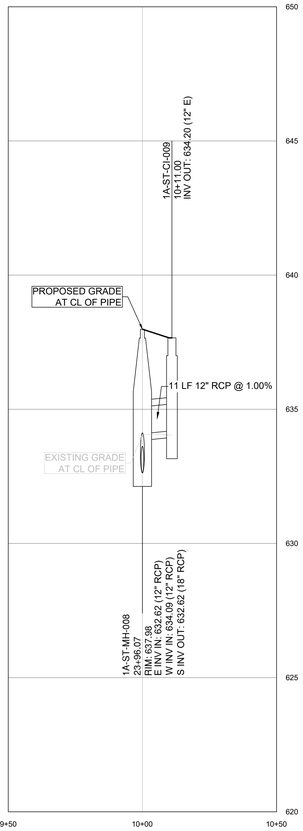

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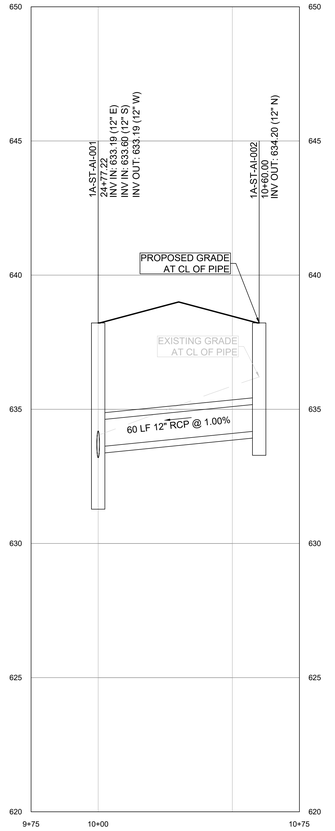

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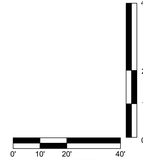

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

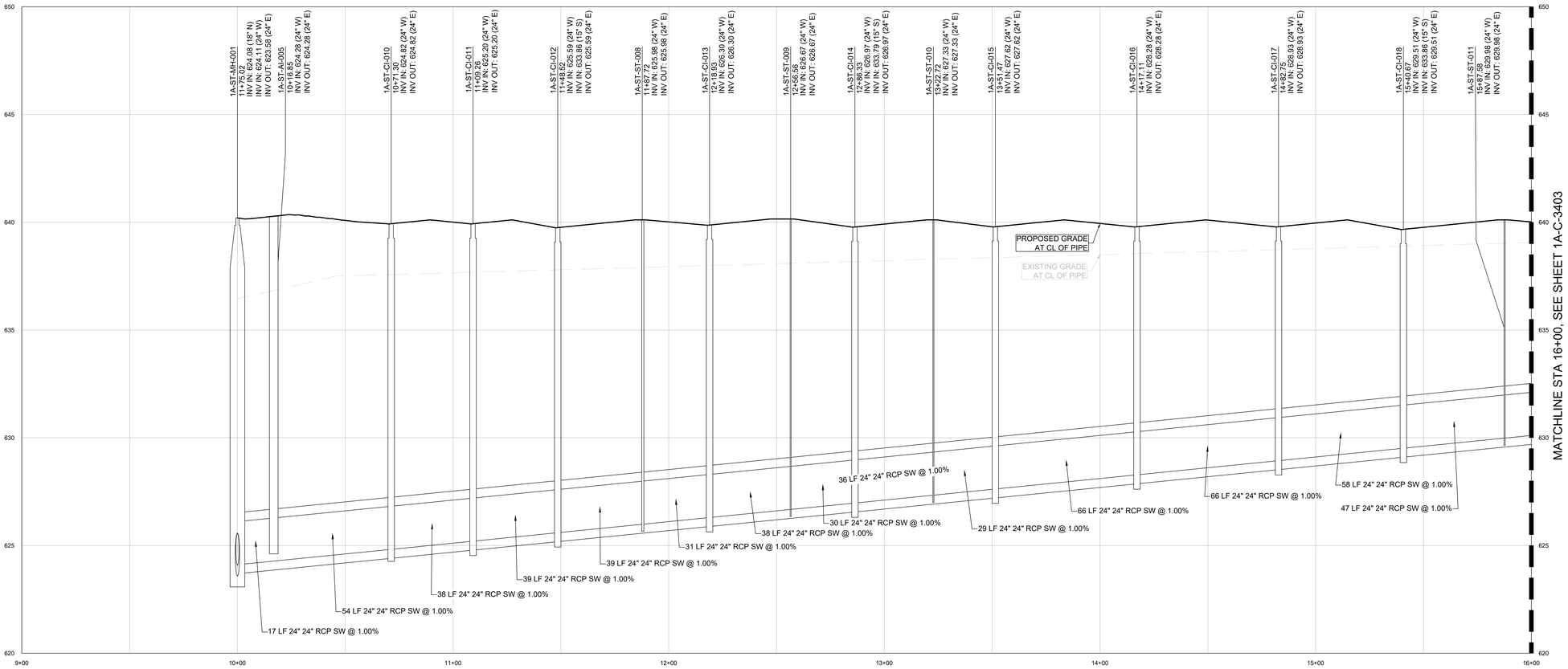
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3403

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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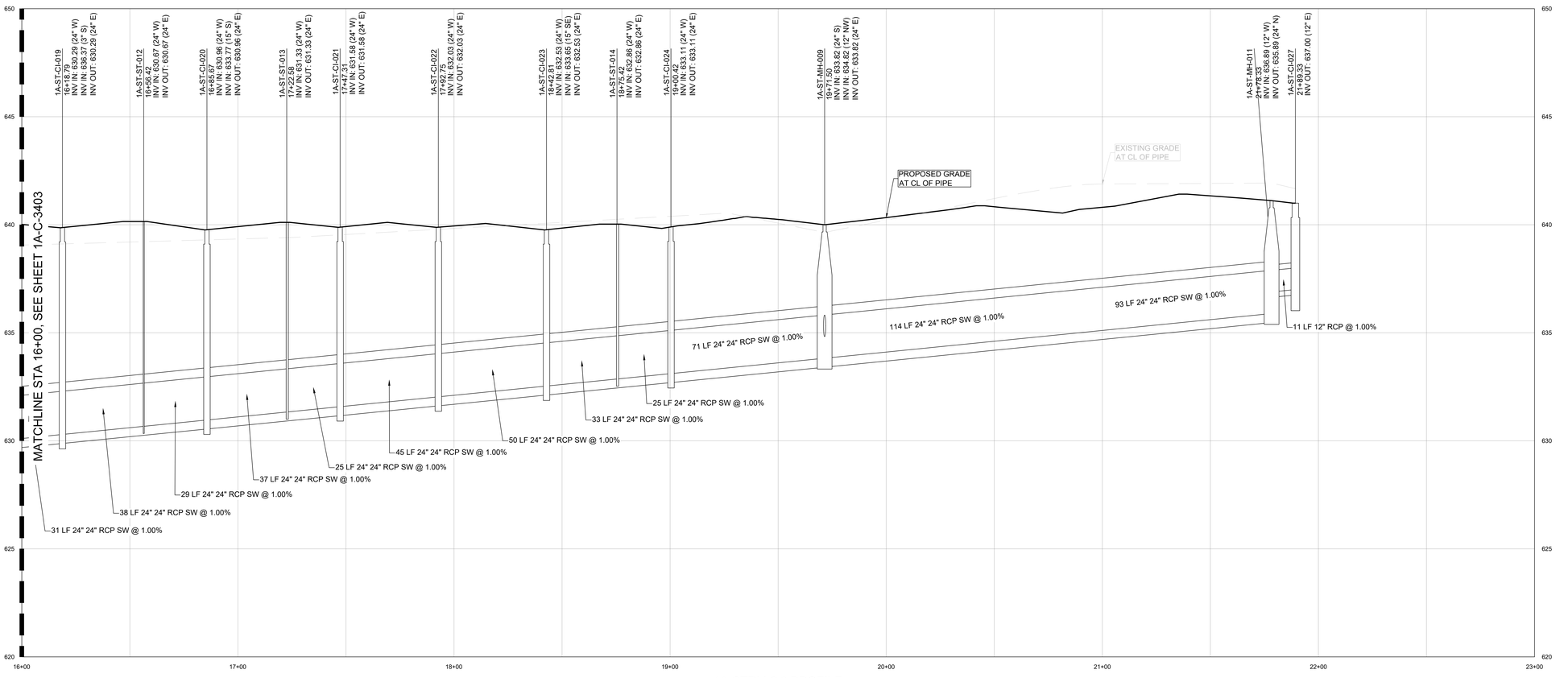

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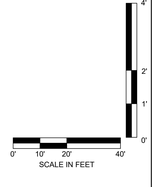

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

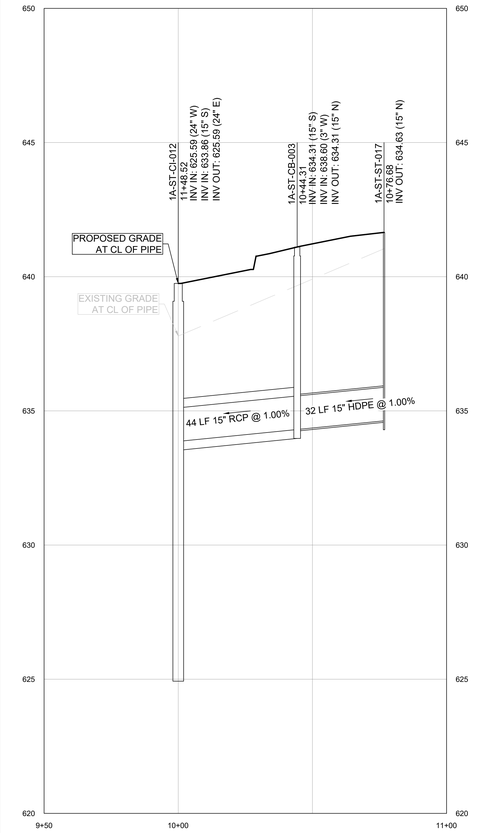
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3404

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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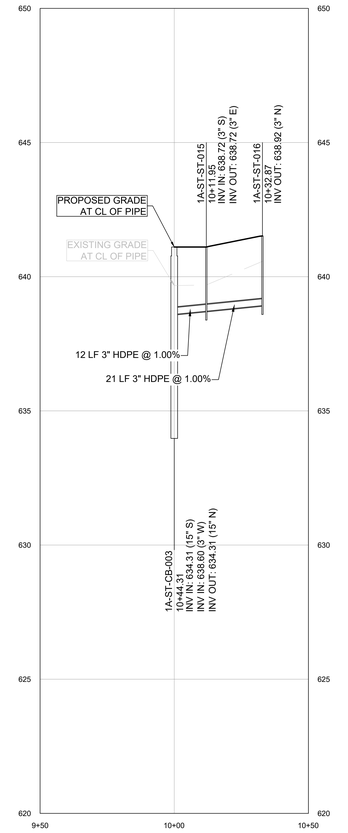

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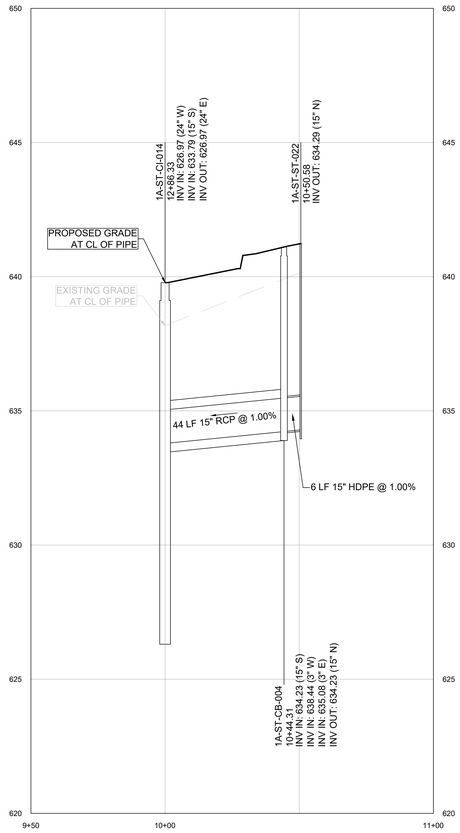

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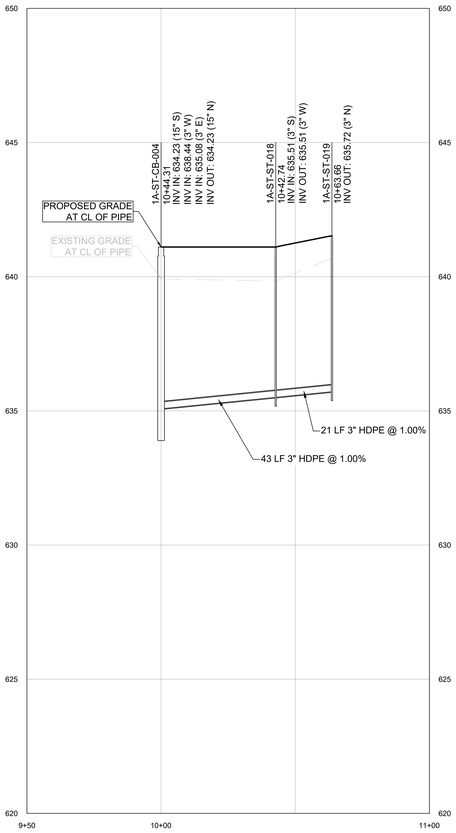

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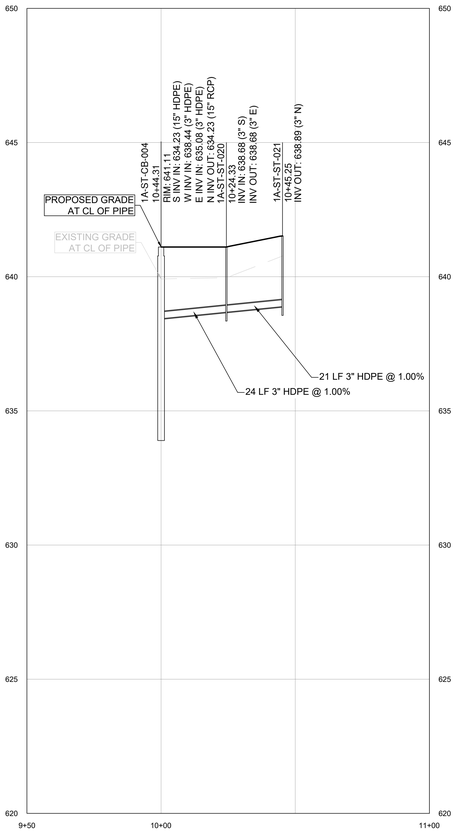

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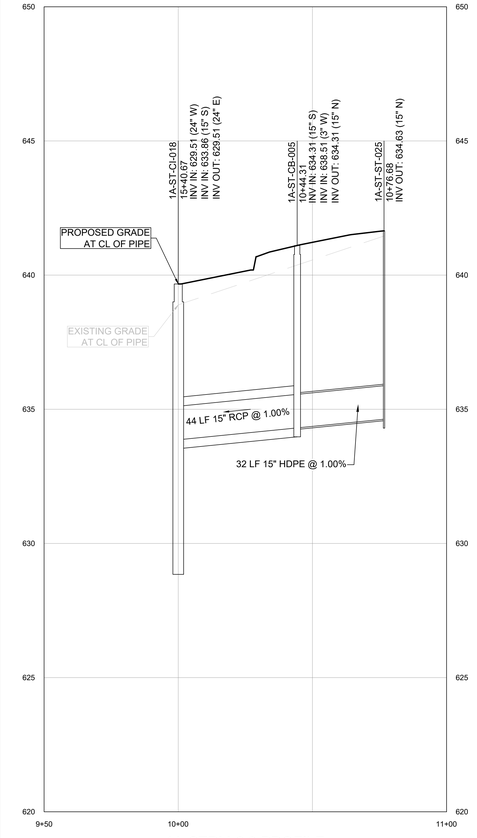

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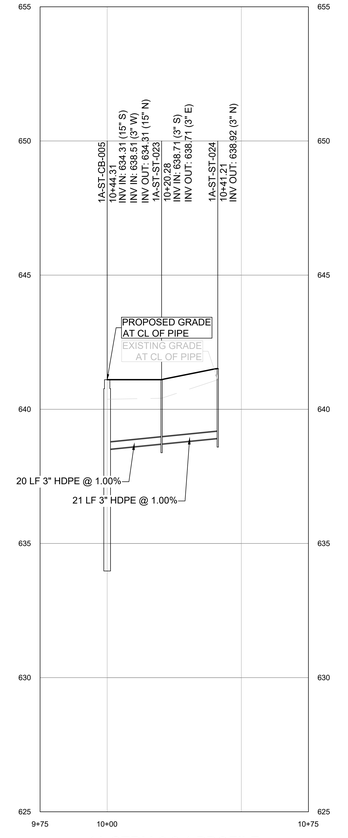

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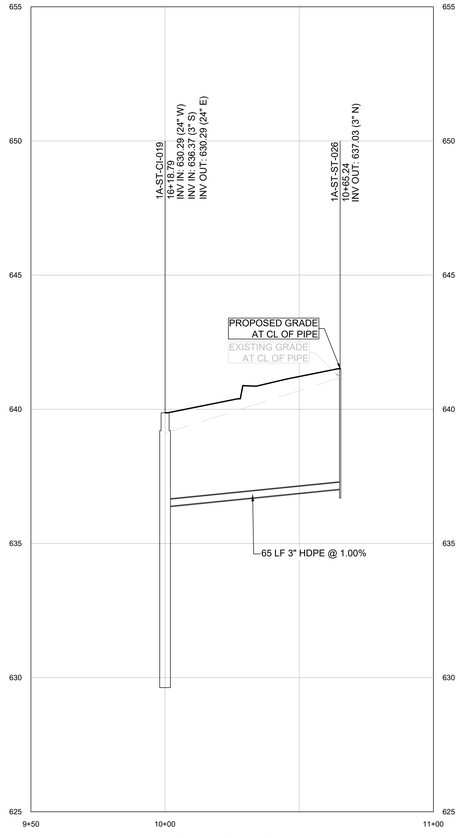

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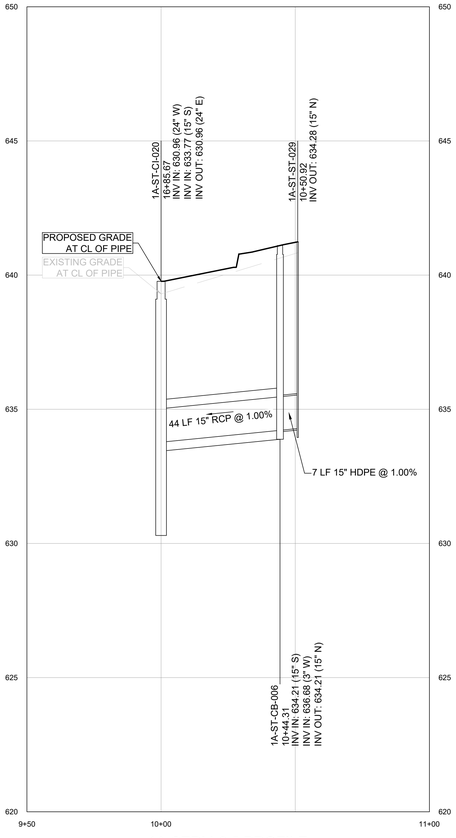

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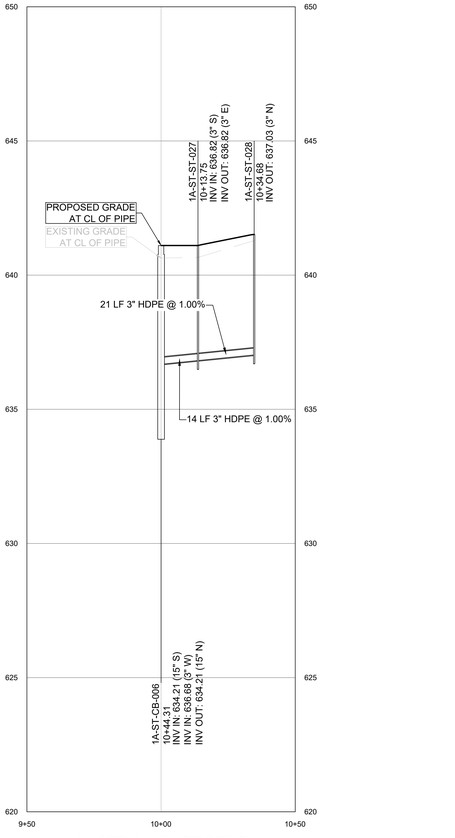

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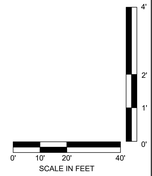

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

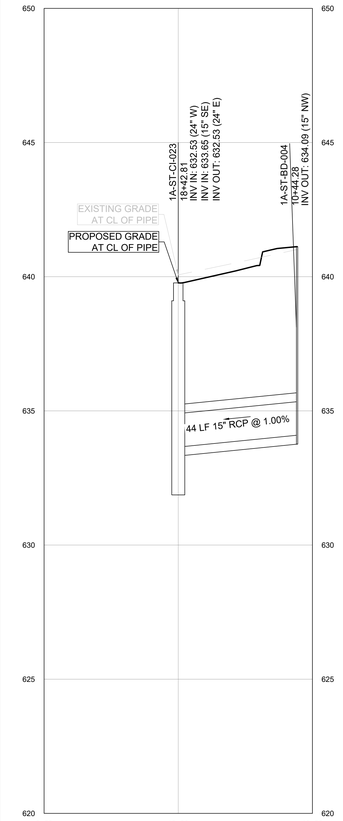
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3405

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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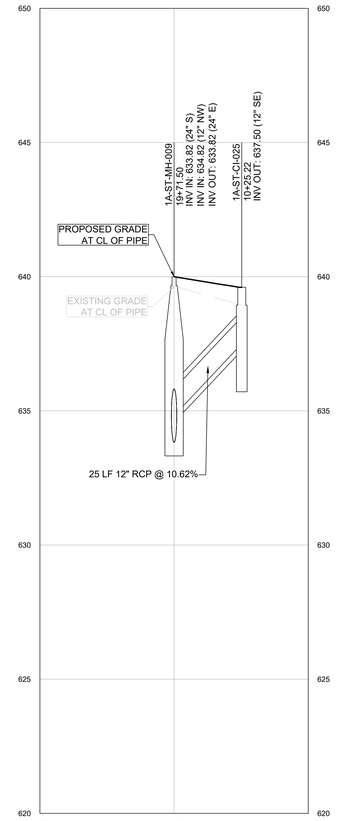

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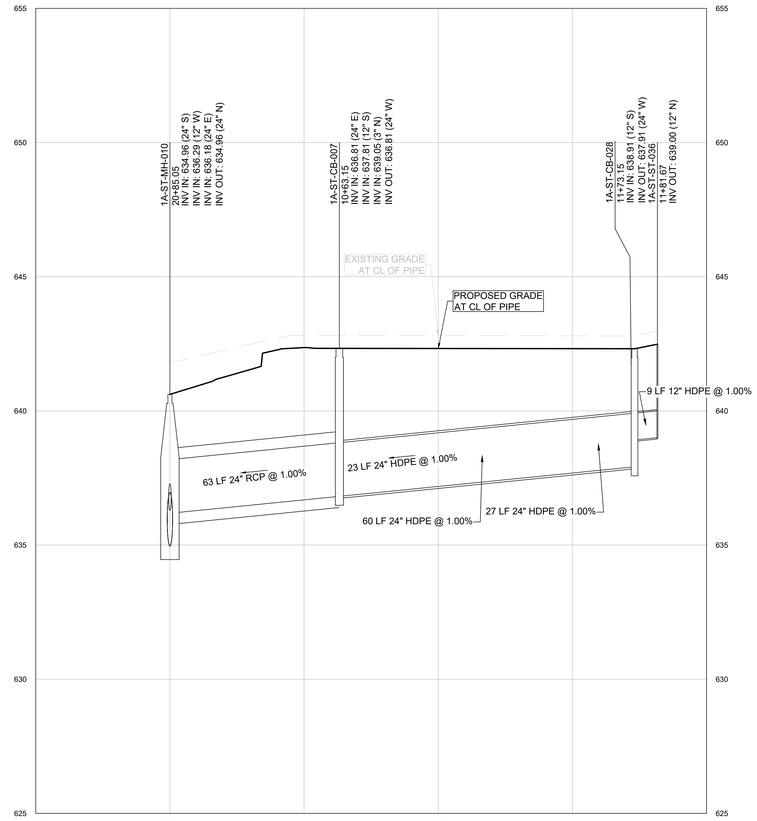

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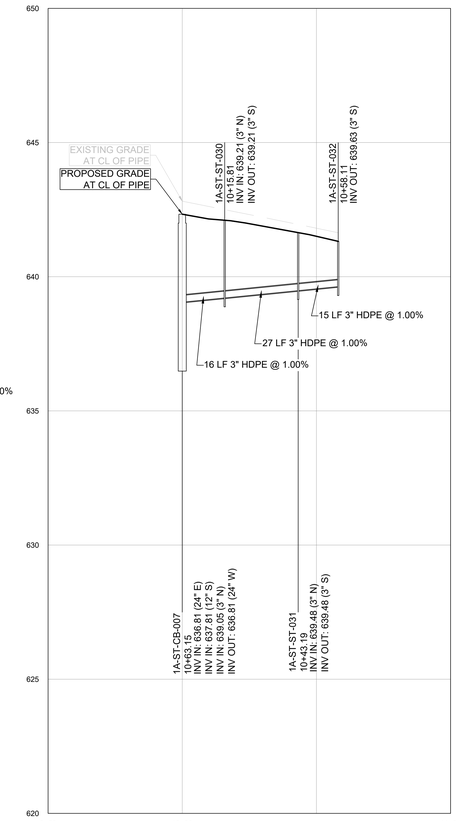

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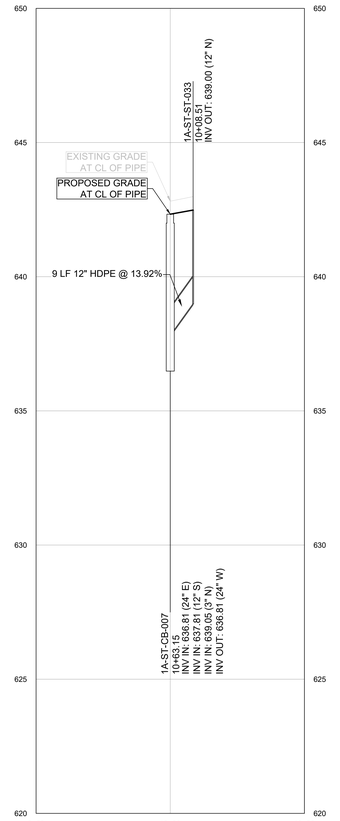

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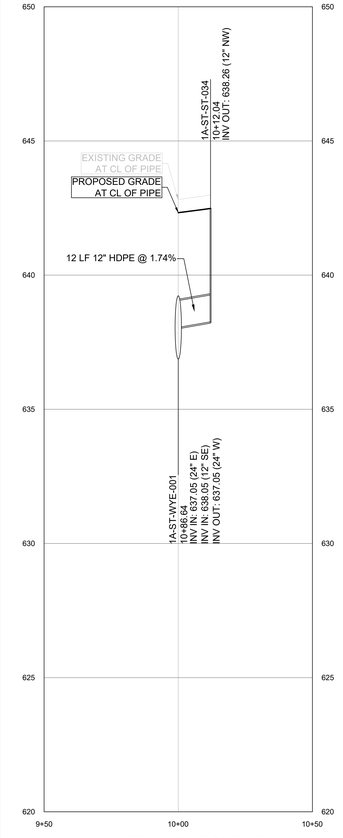

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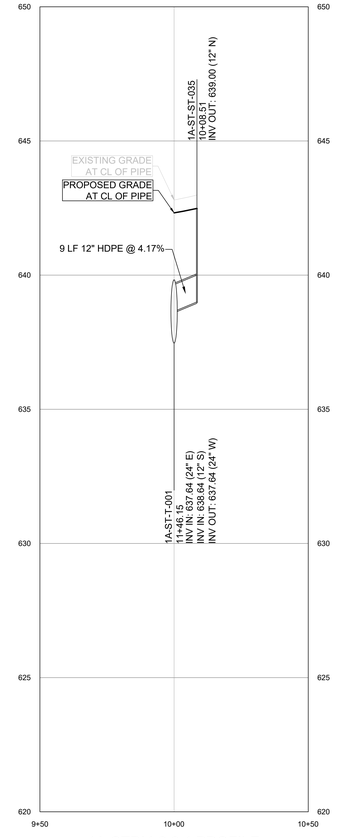

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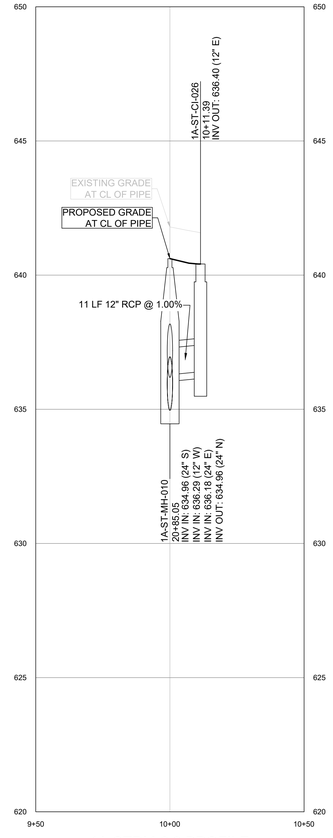

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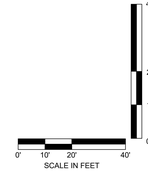

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

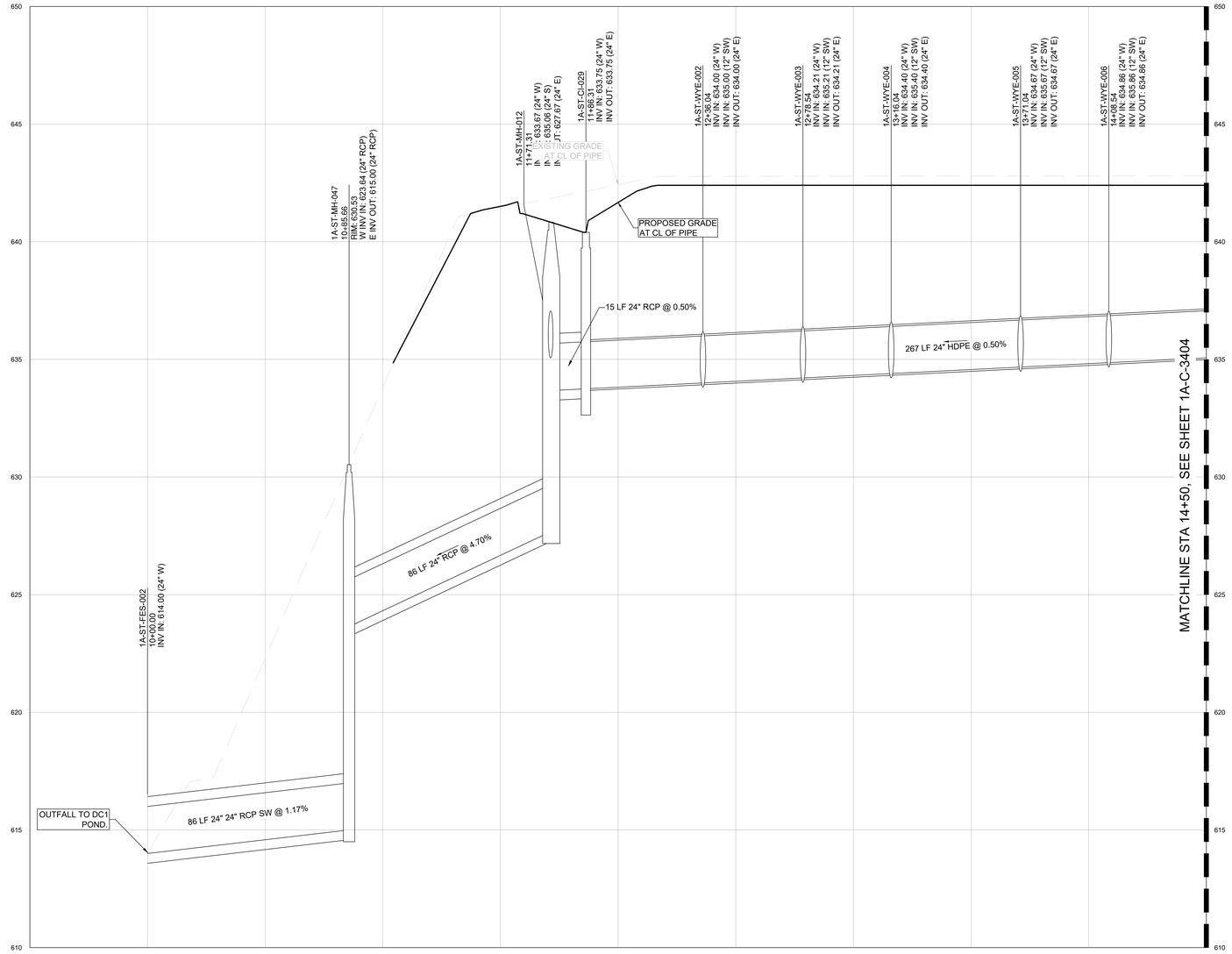
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3406

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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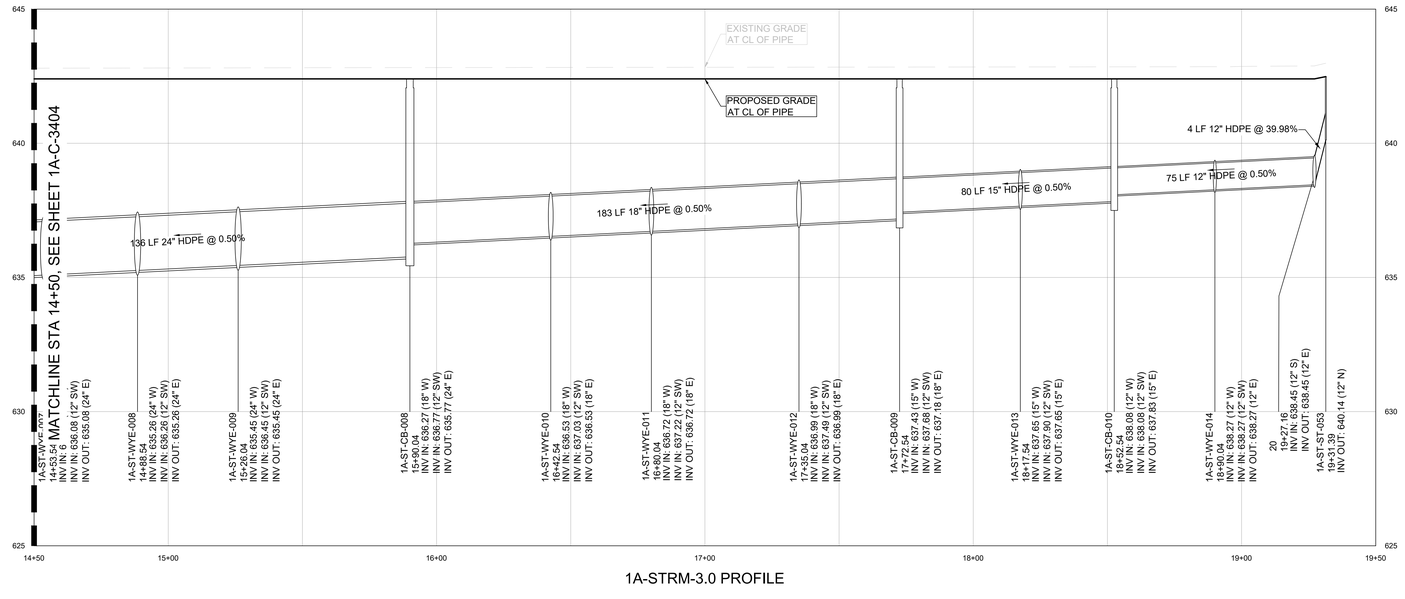

1A-STRM-3.0 PROFILE

0' 10' 20' 40'
SCALE IN FEET
4'
2'
1'
0'

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

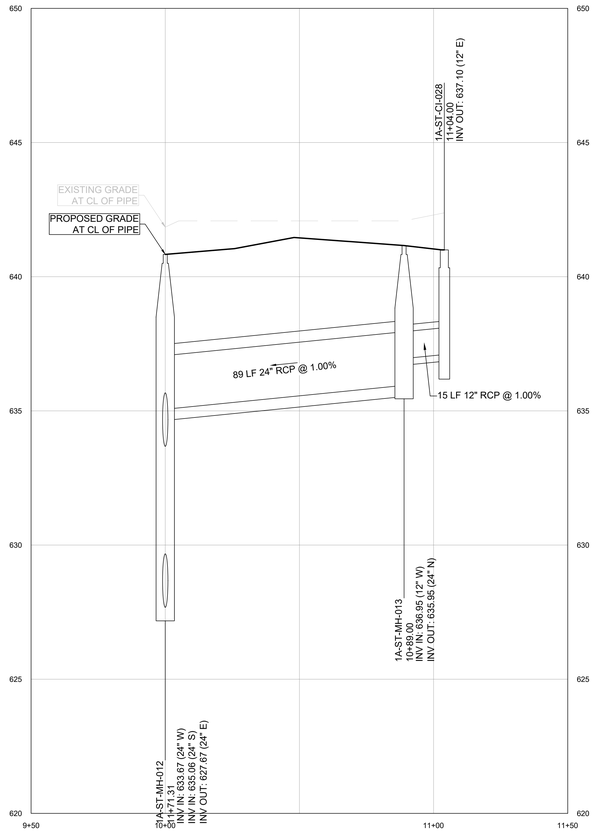
PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3407

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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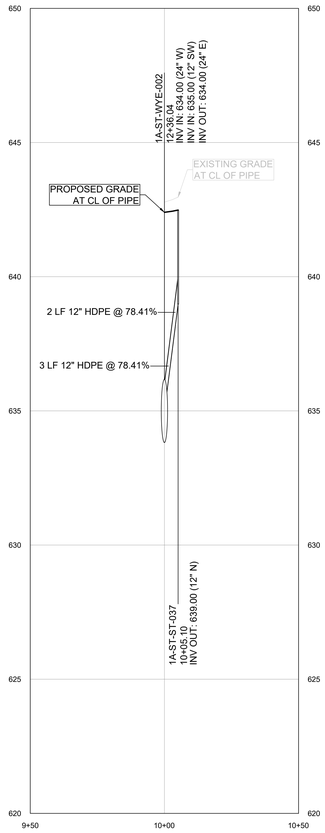

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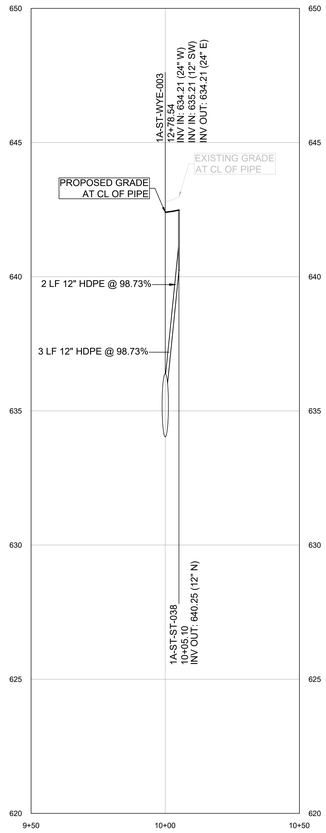

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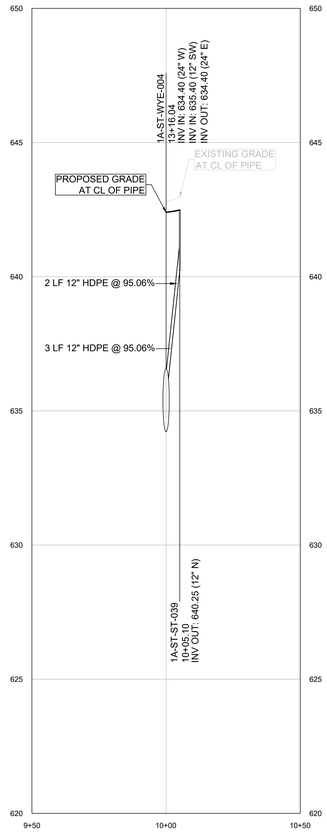

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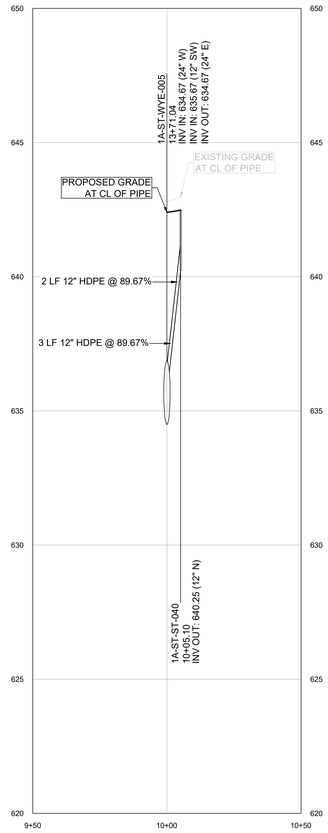

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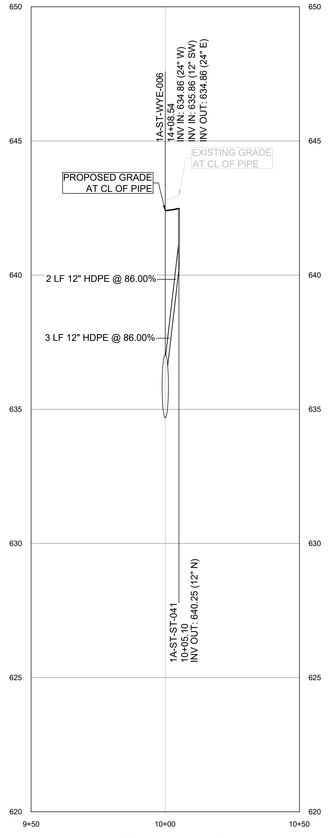

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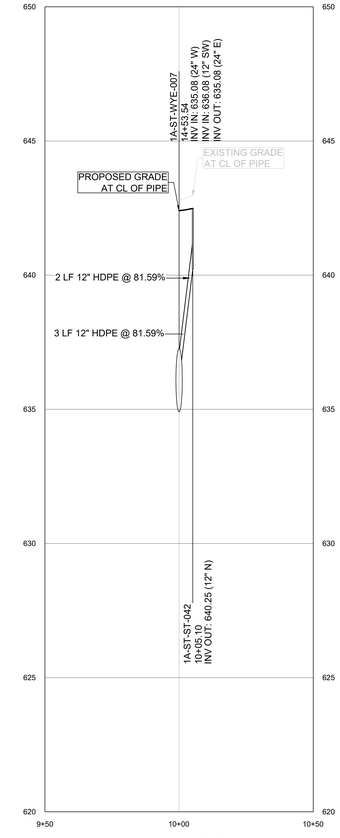

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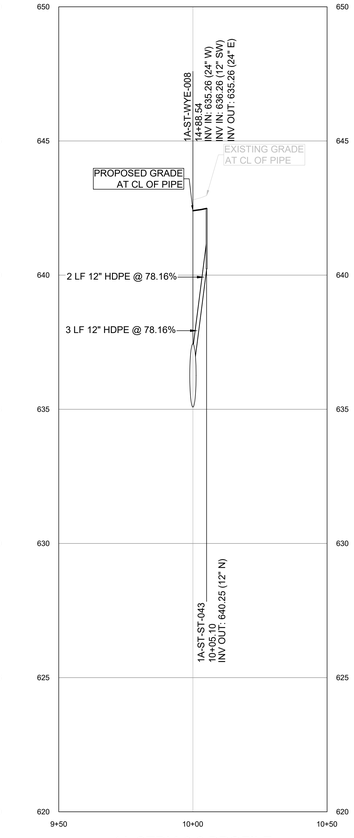

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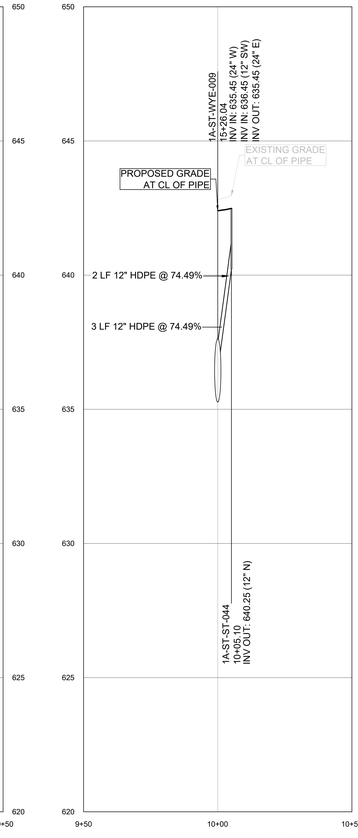

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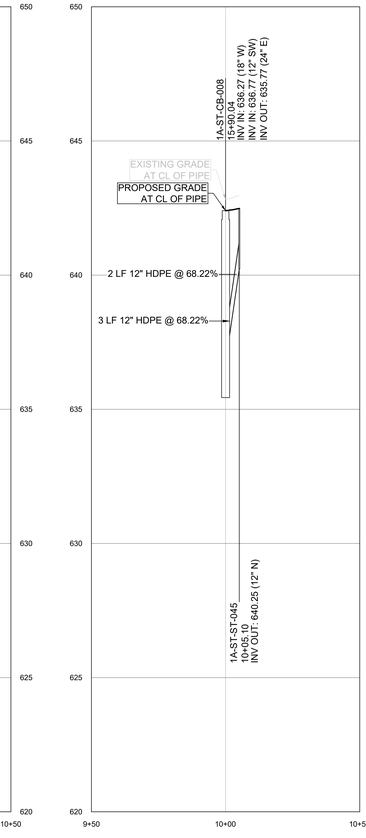

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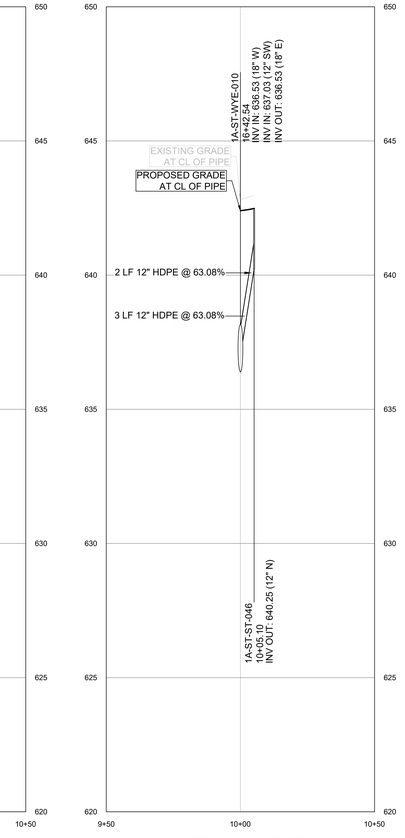

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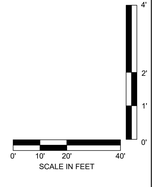

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

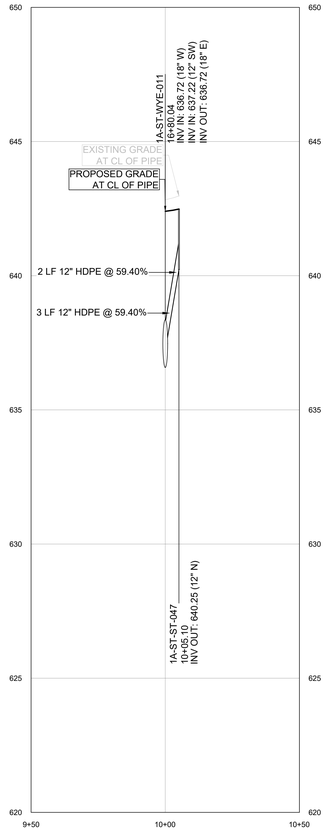
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3408

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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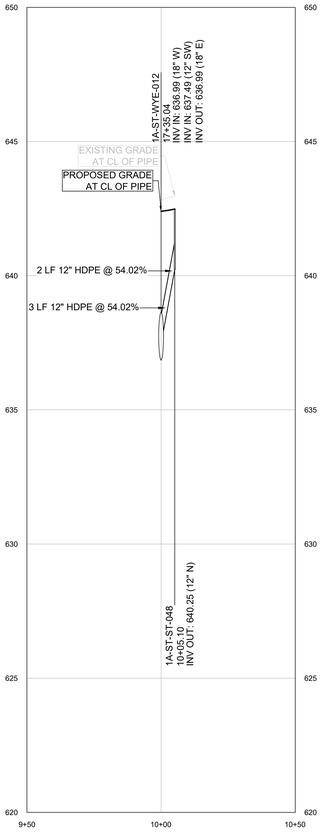

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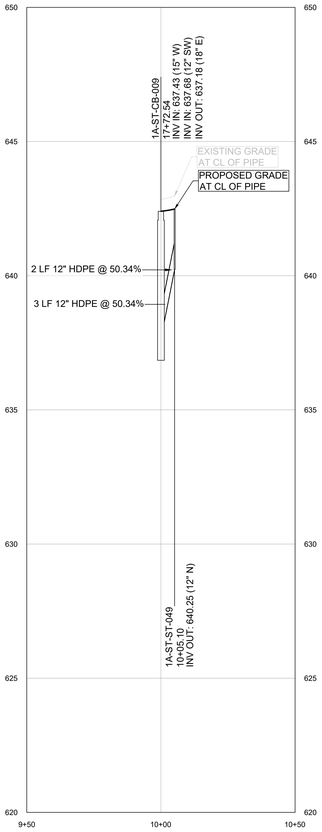

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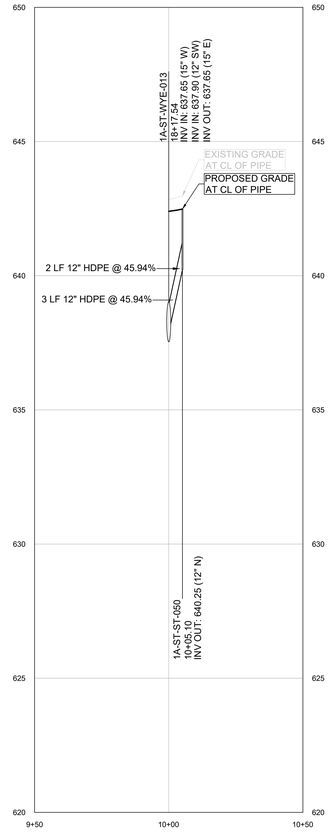

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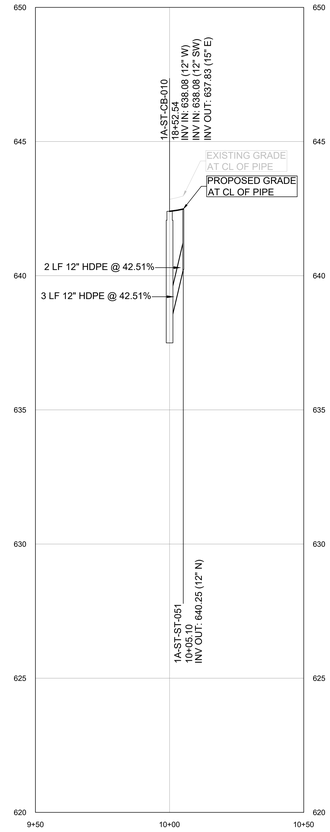

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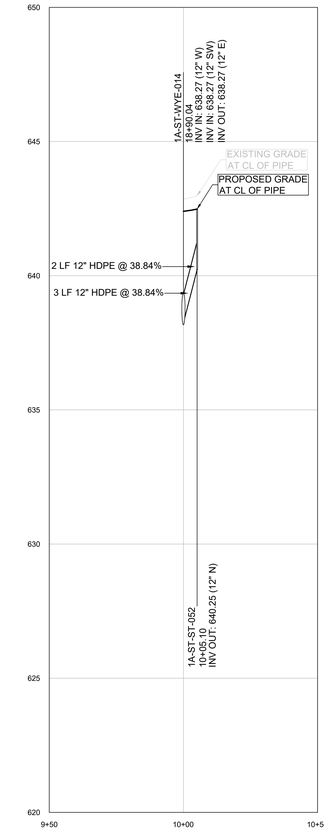

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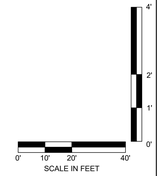


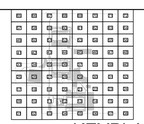
ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

MEP:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18



KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

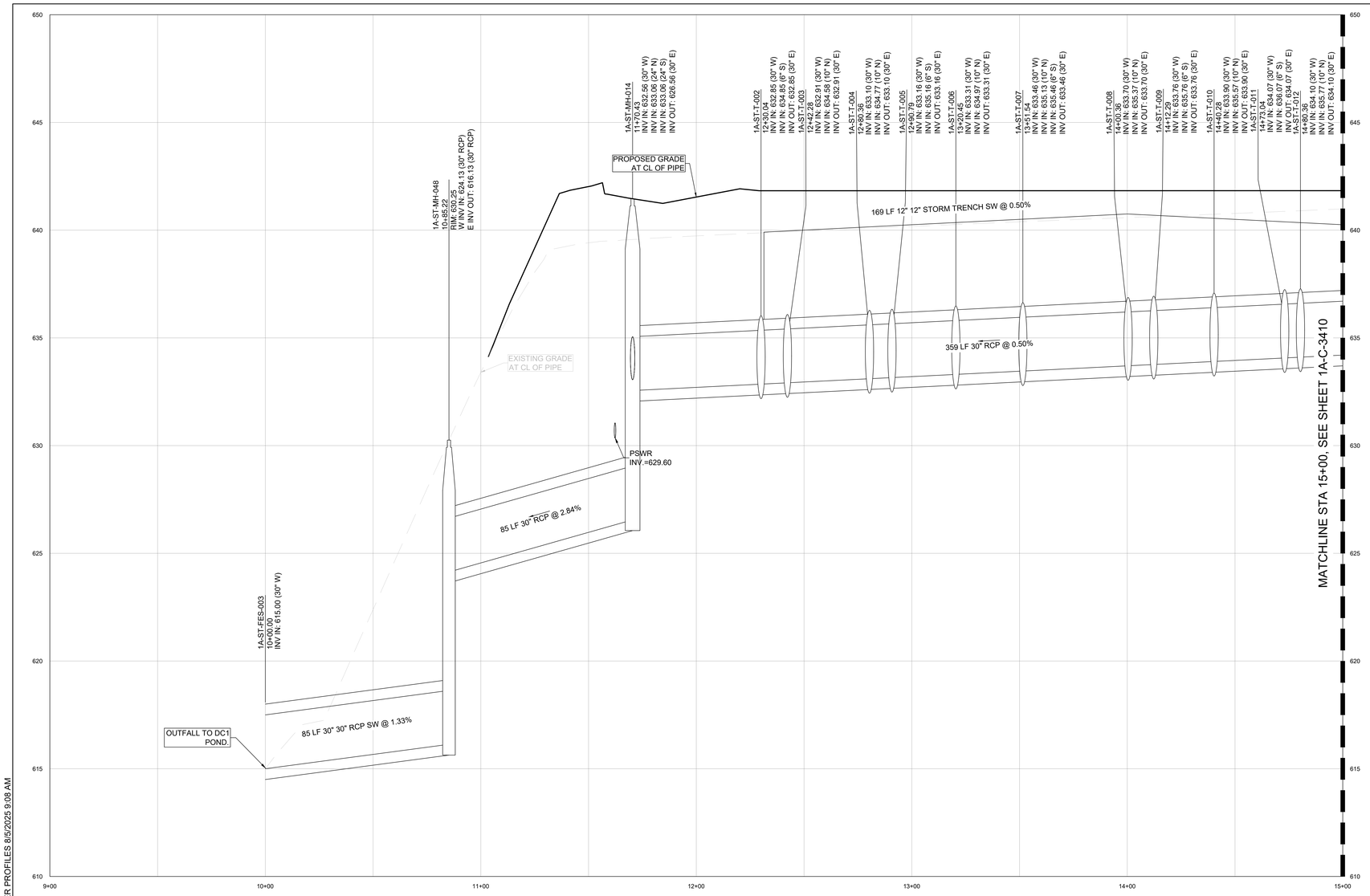
PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3409

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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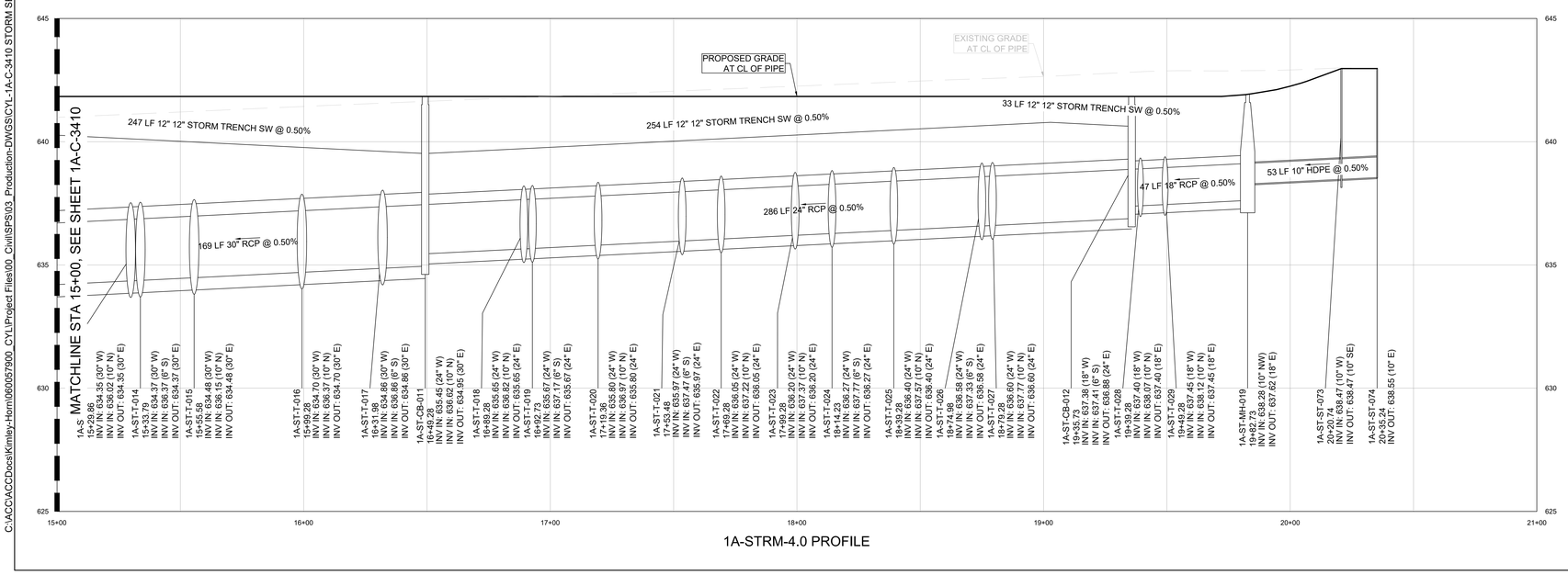

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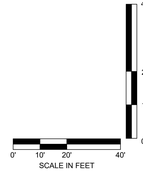

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

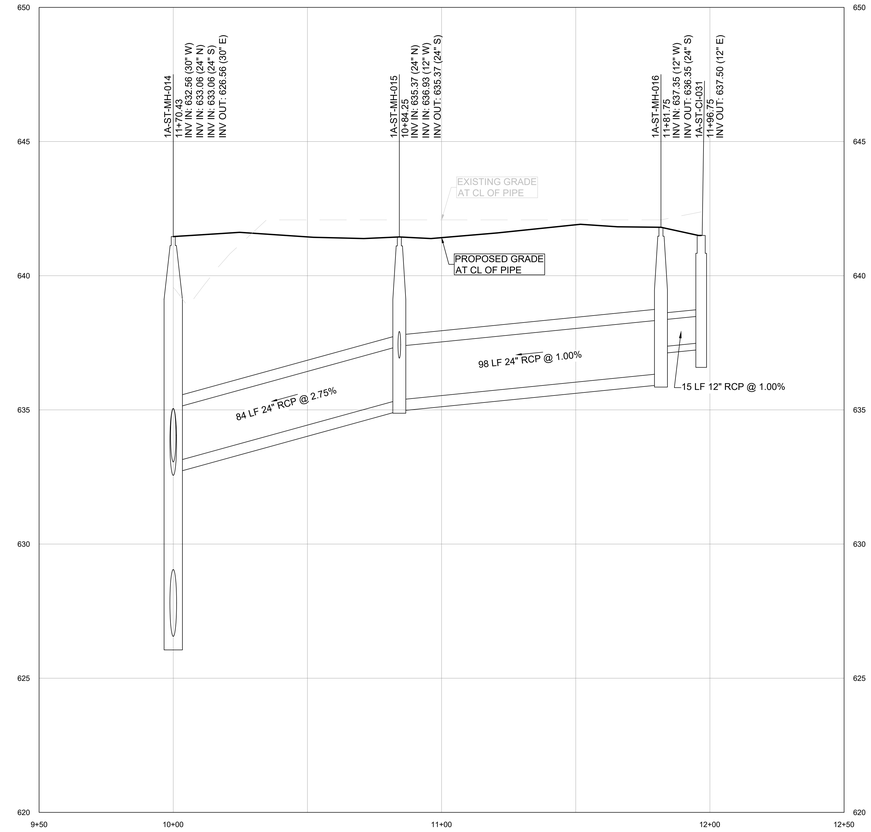
PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3410

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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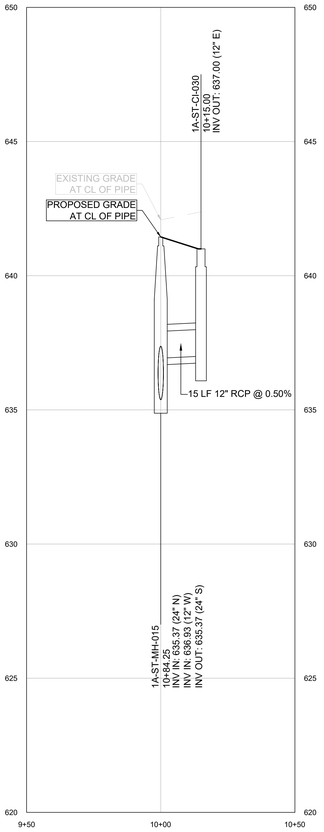

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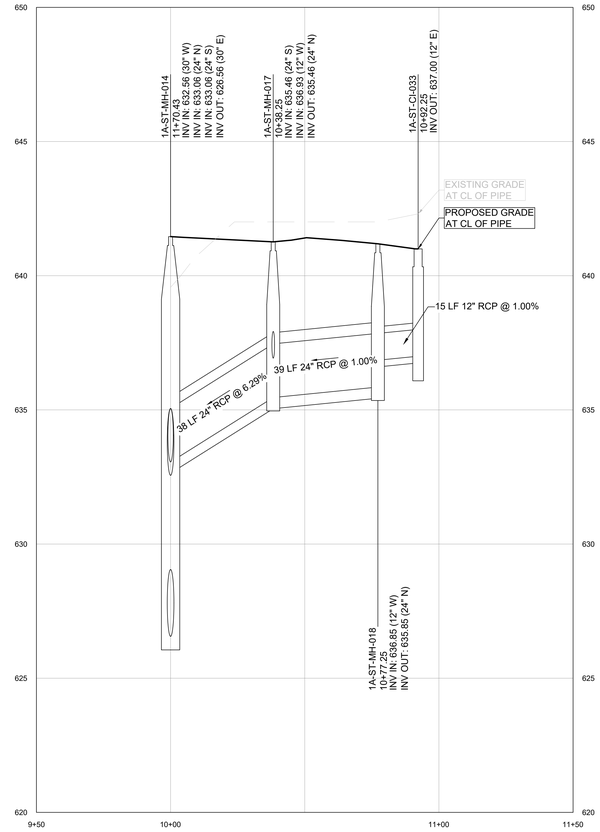

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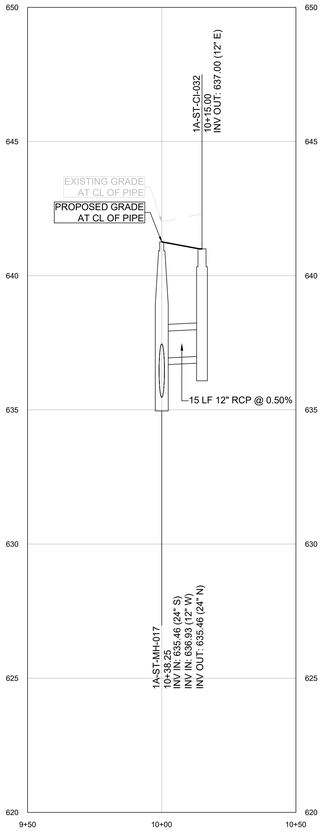

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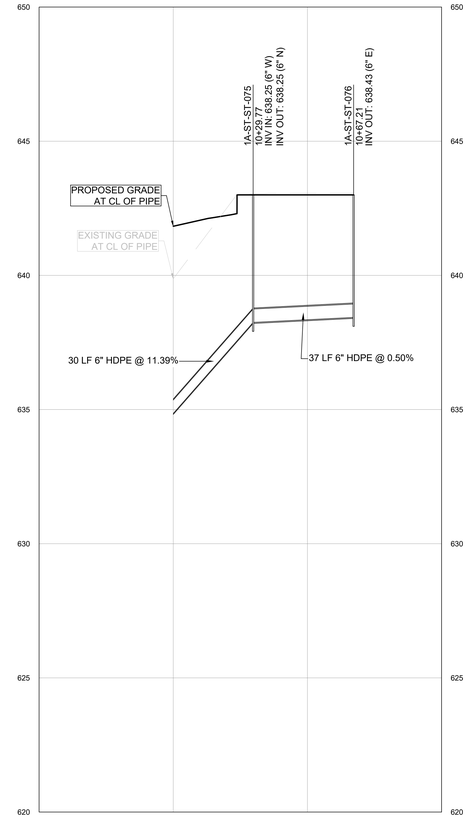

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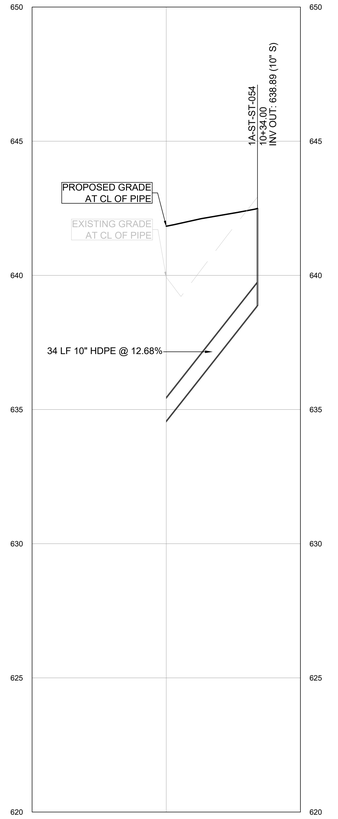

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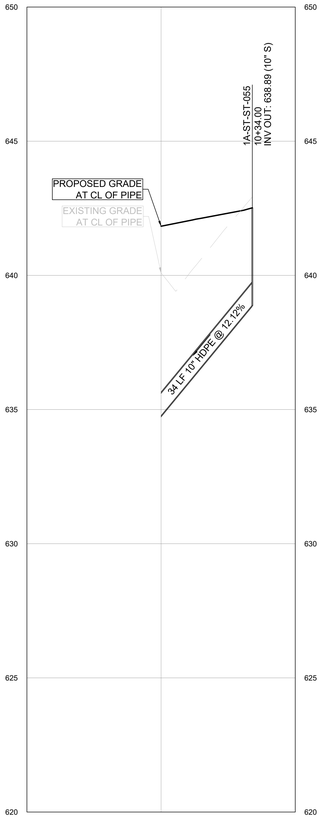

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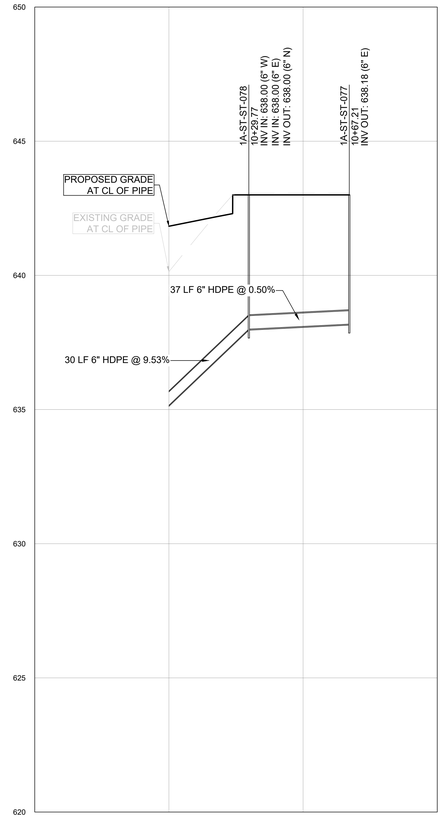

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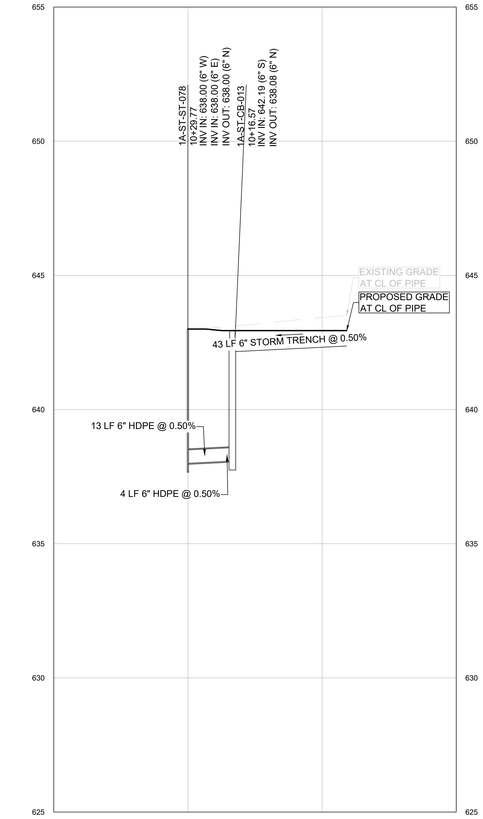

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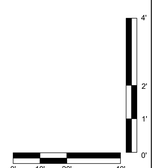

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

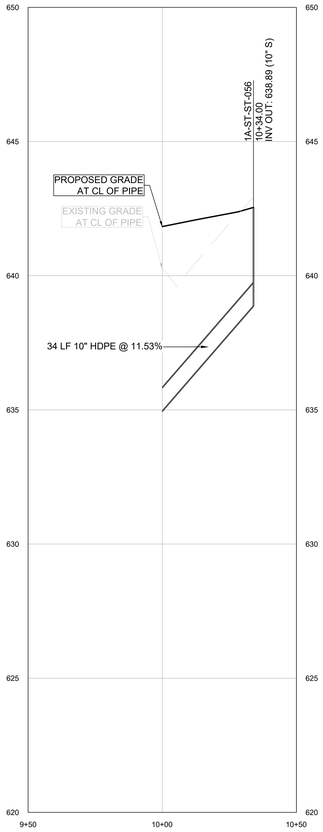
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

STORM SEWER PROFILES
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3411
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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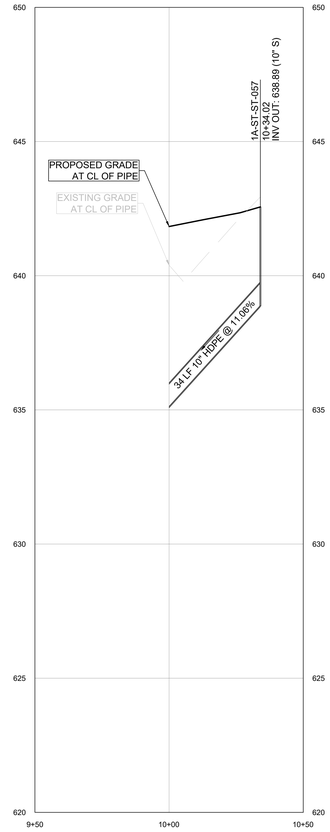

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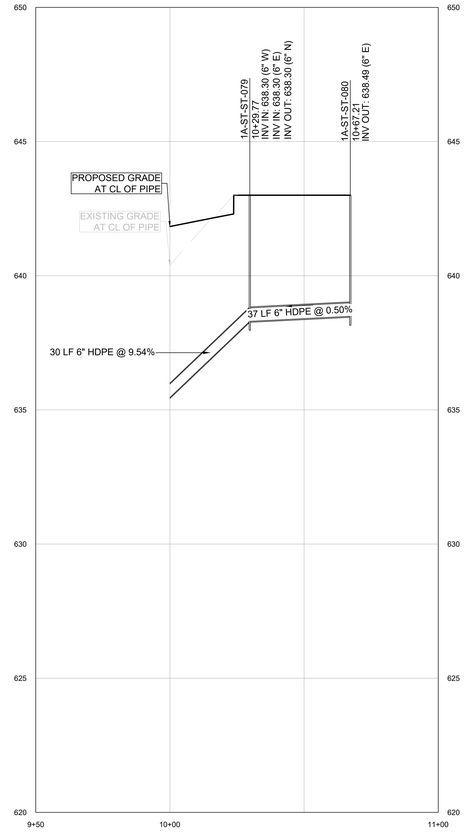

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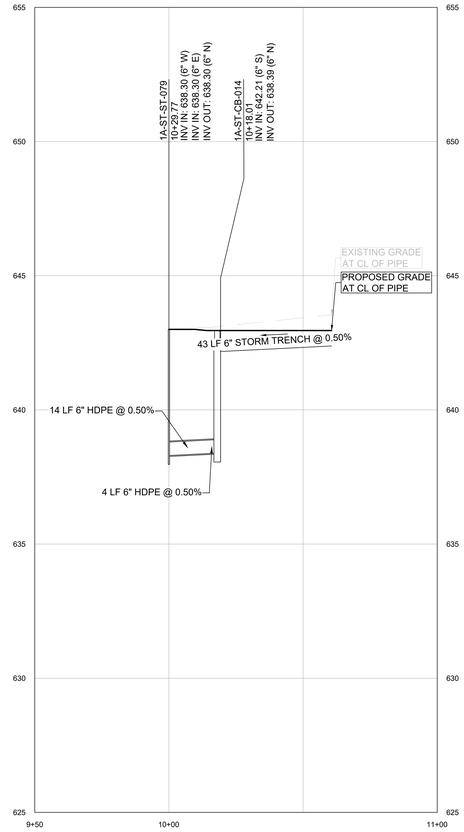

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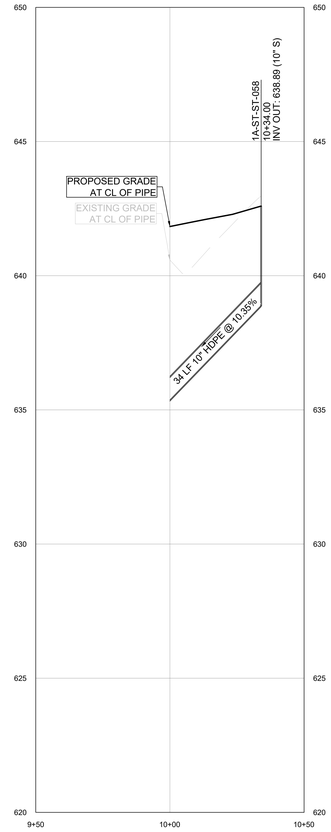

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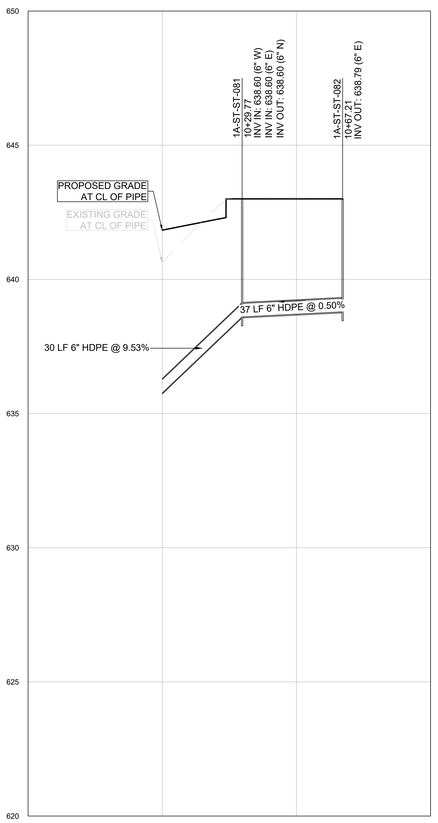

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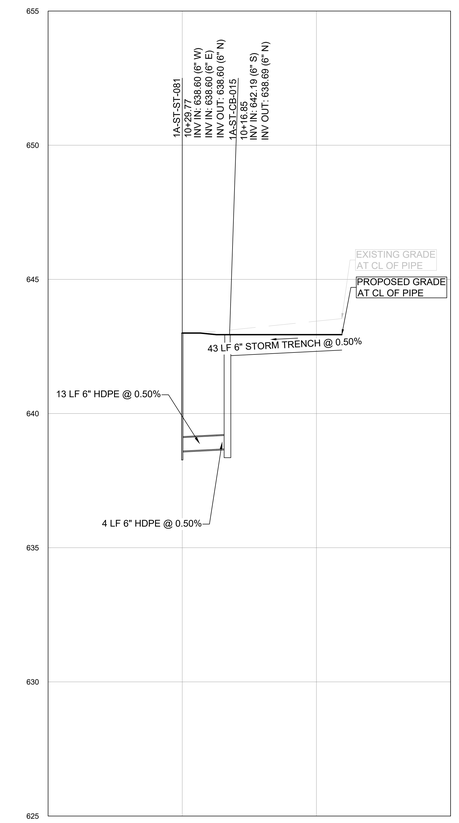

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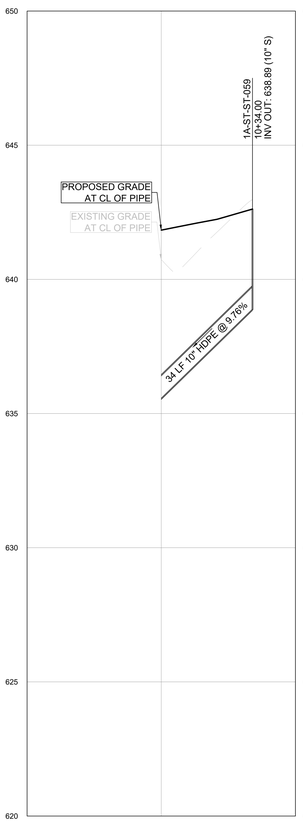

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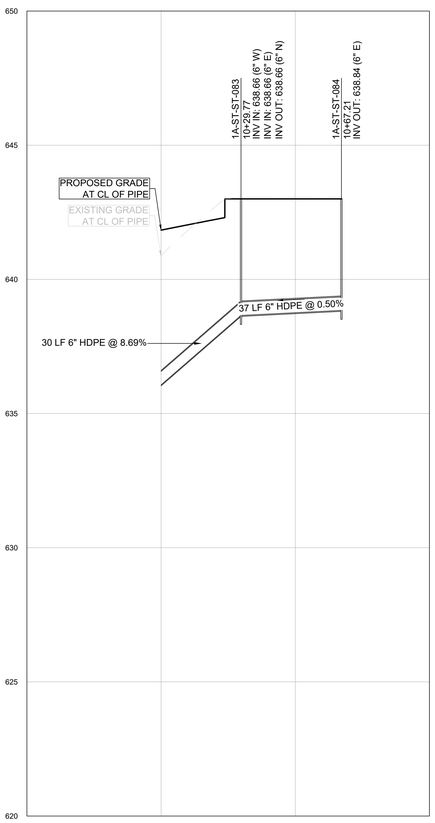

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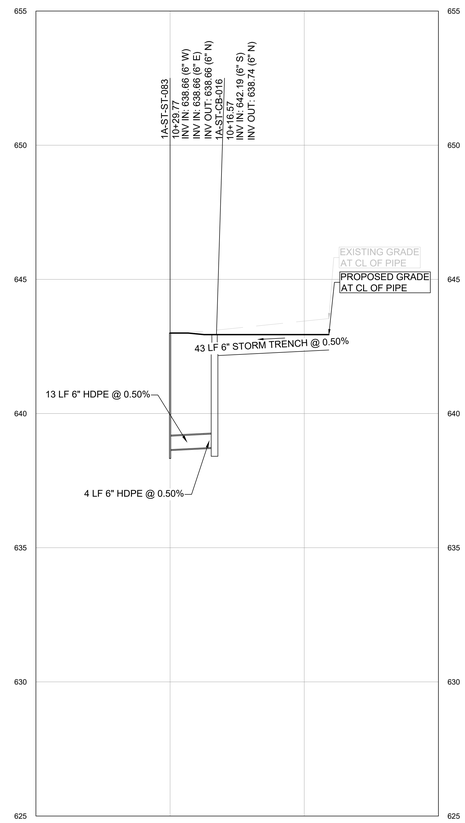

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

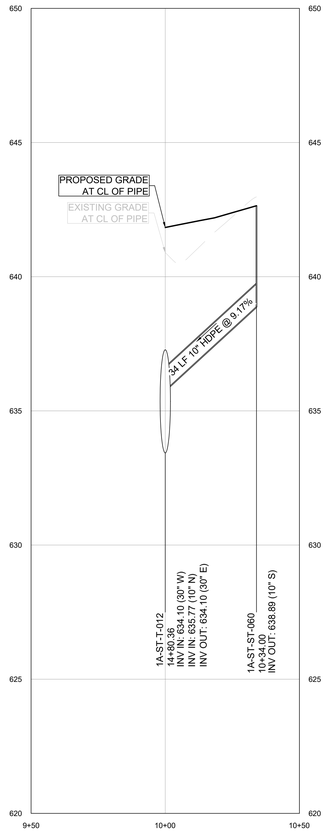
PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3412

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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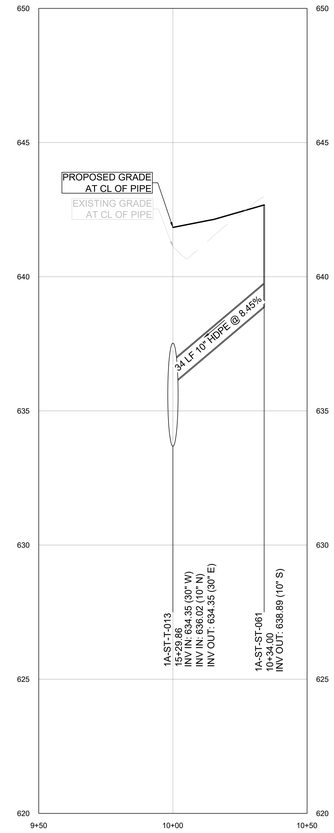

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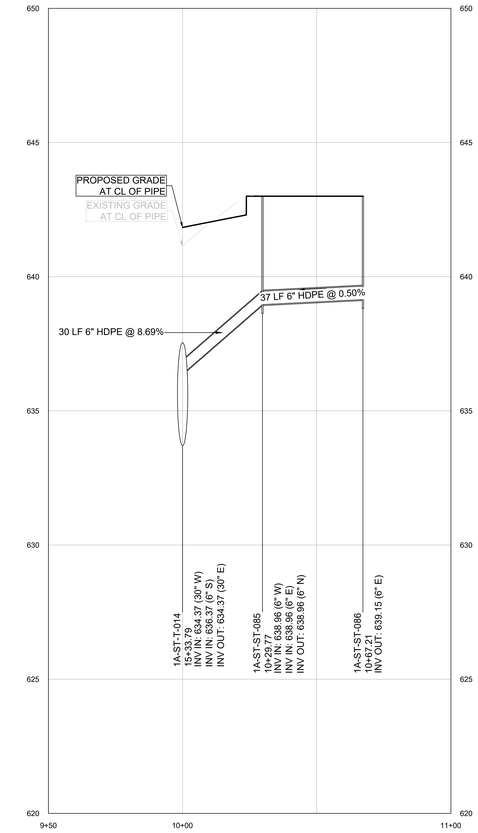

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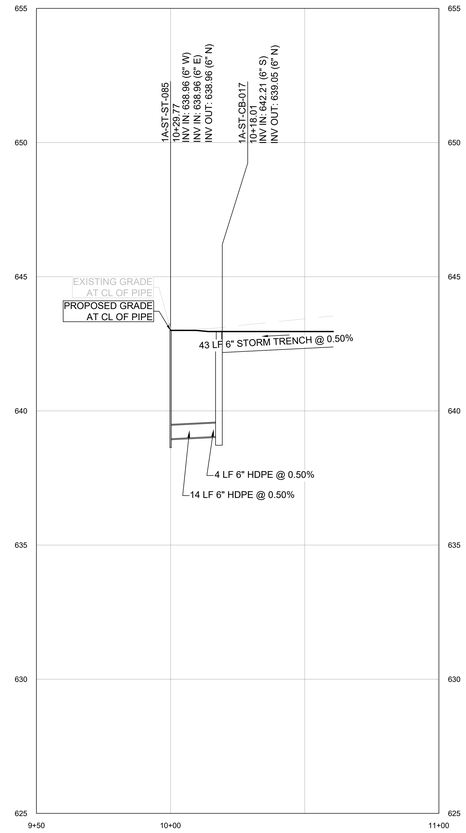

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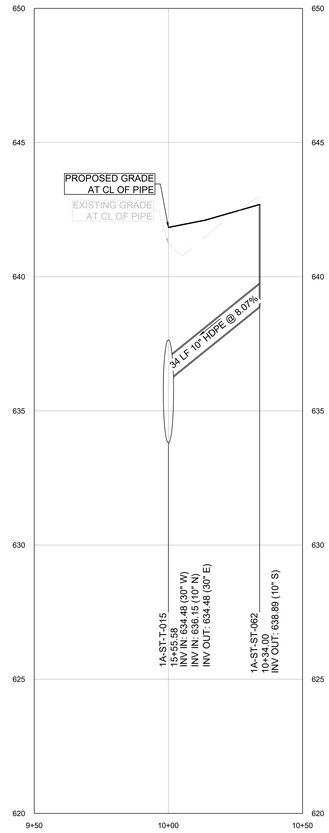

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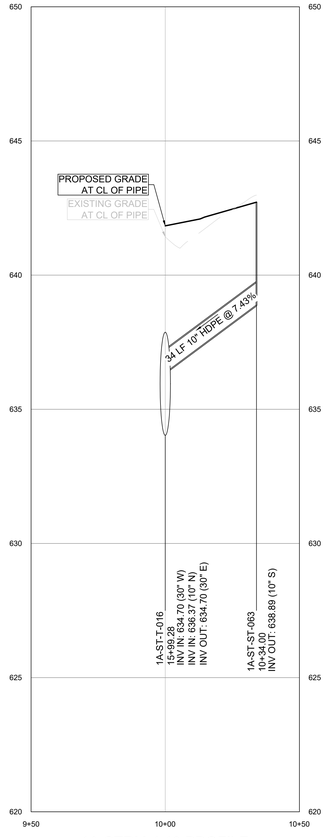

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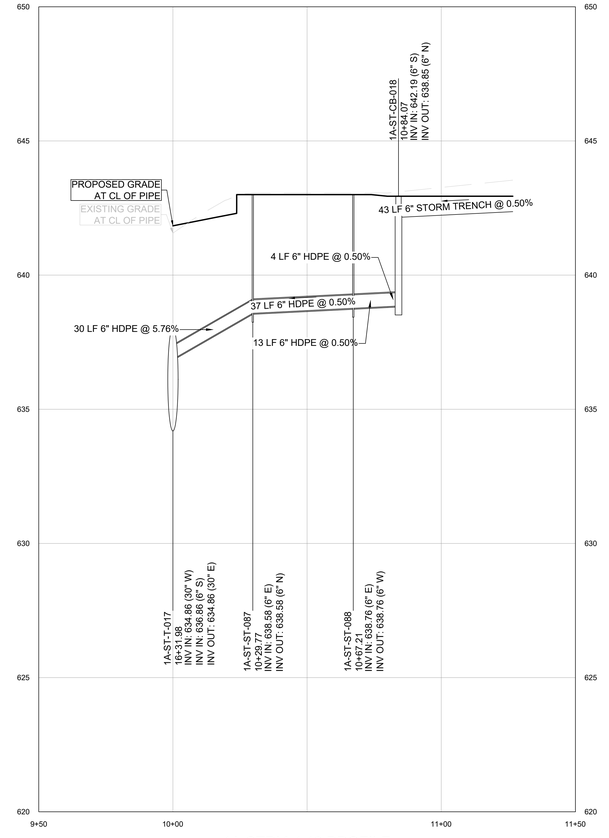

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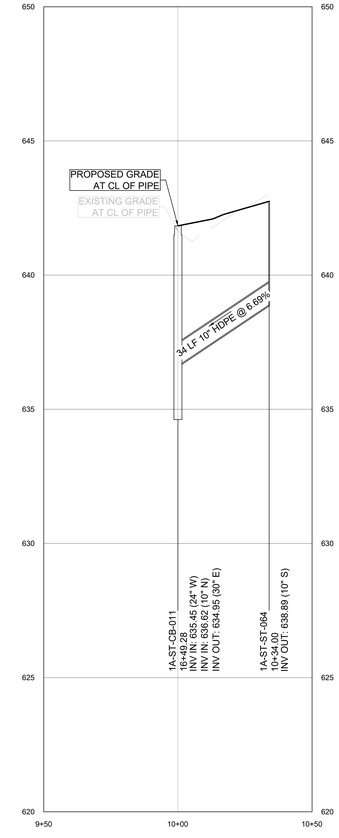

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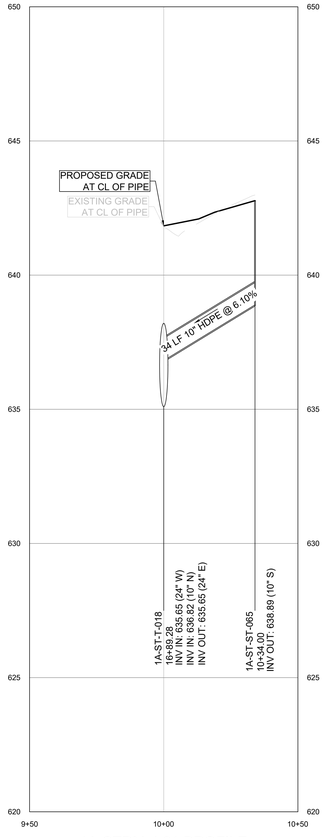

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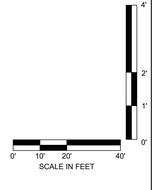

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

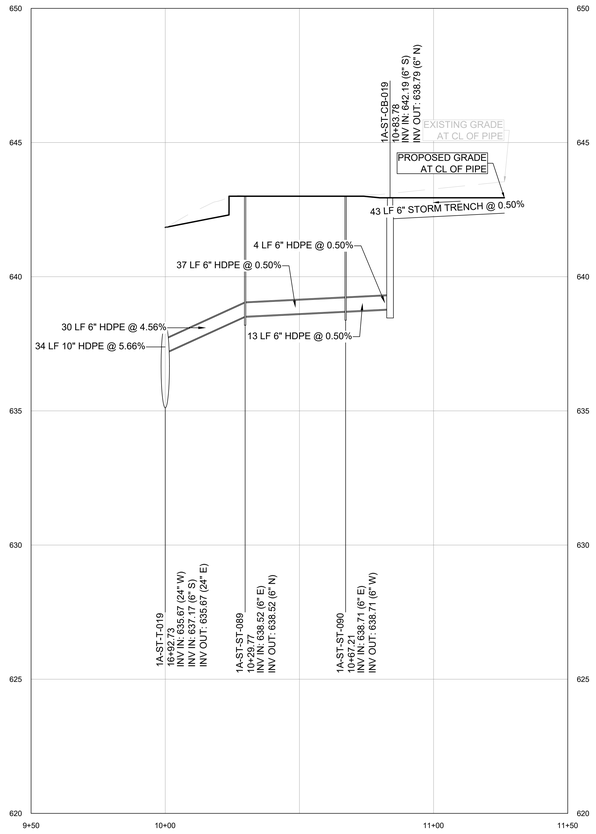
PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3413

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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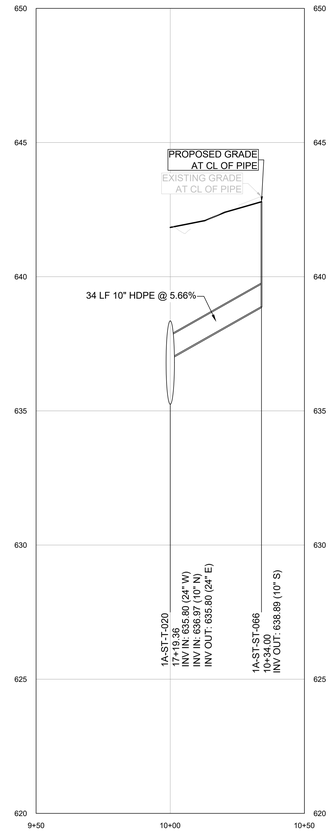

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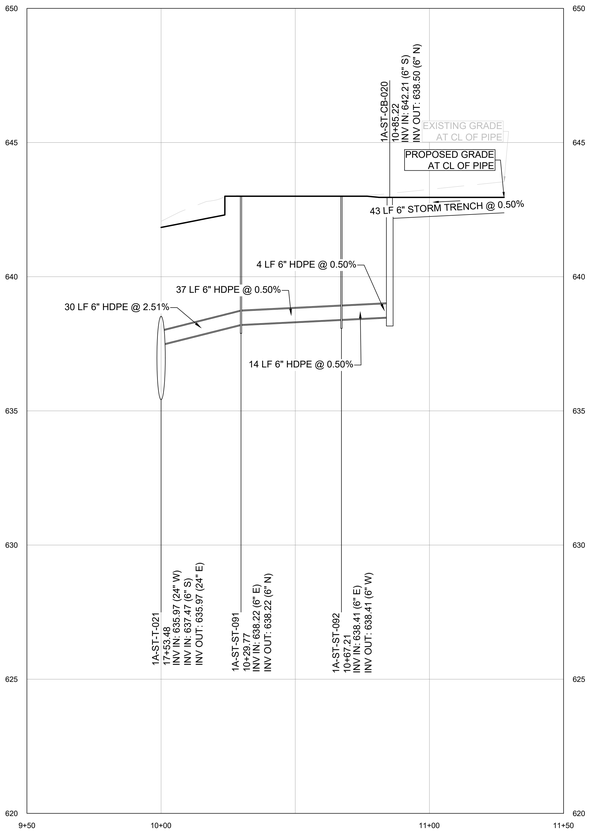

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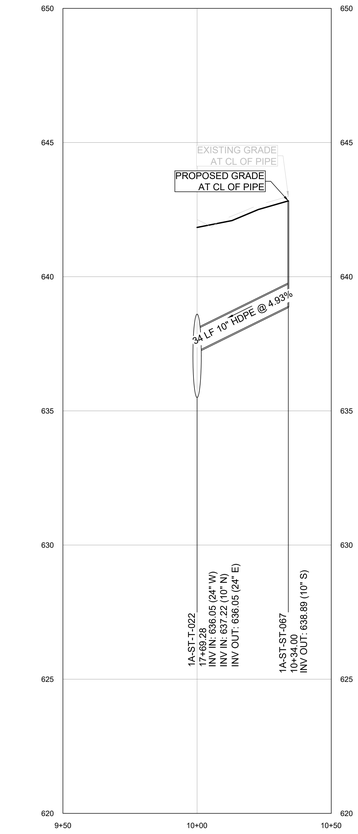

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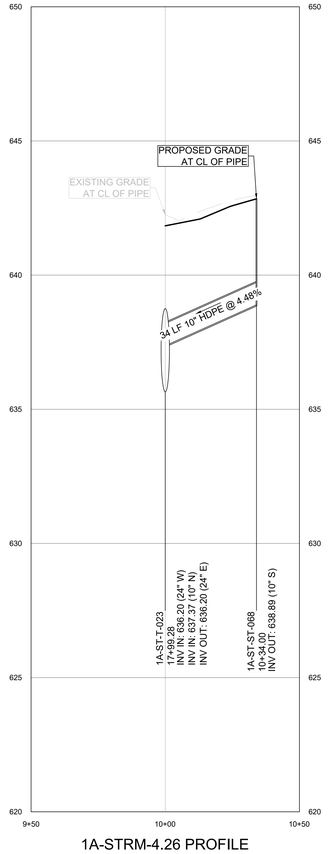

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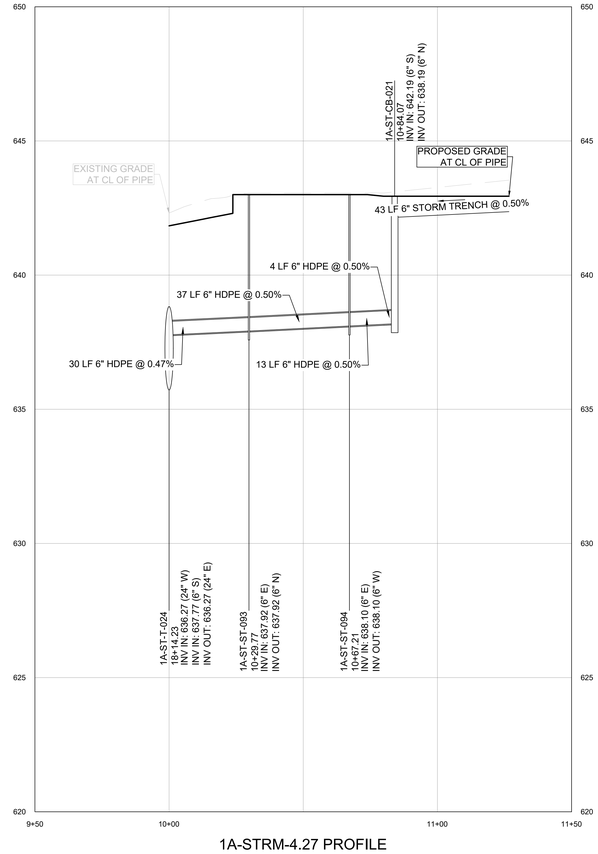

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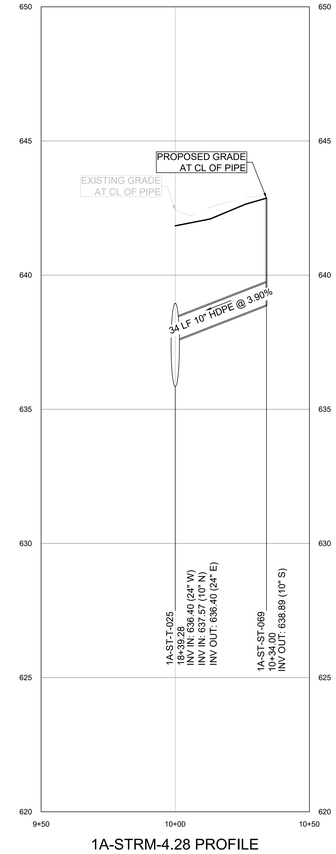

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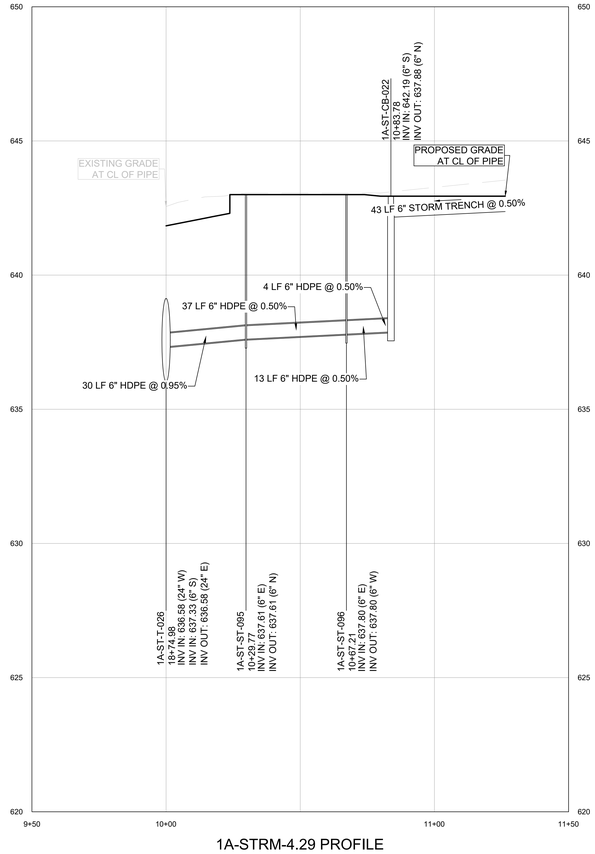

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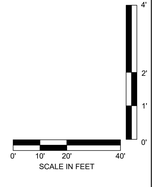

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

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1A-C-3414

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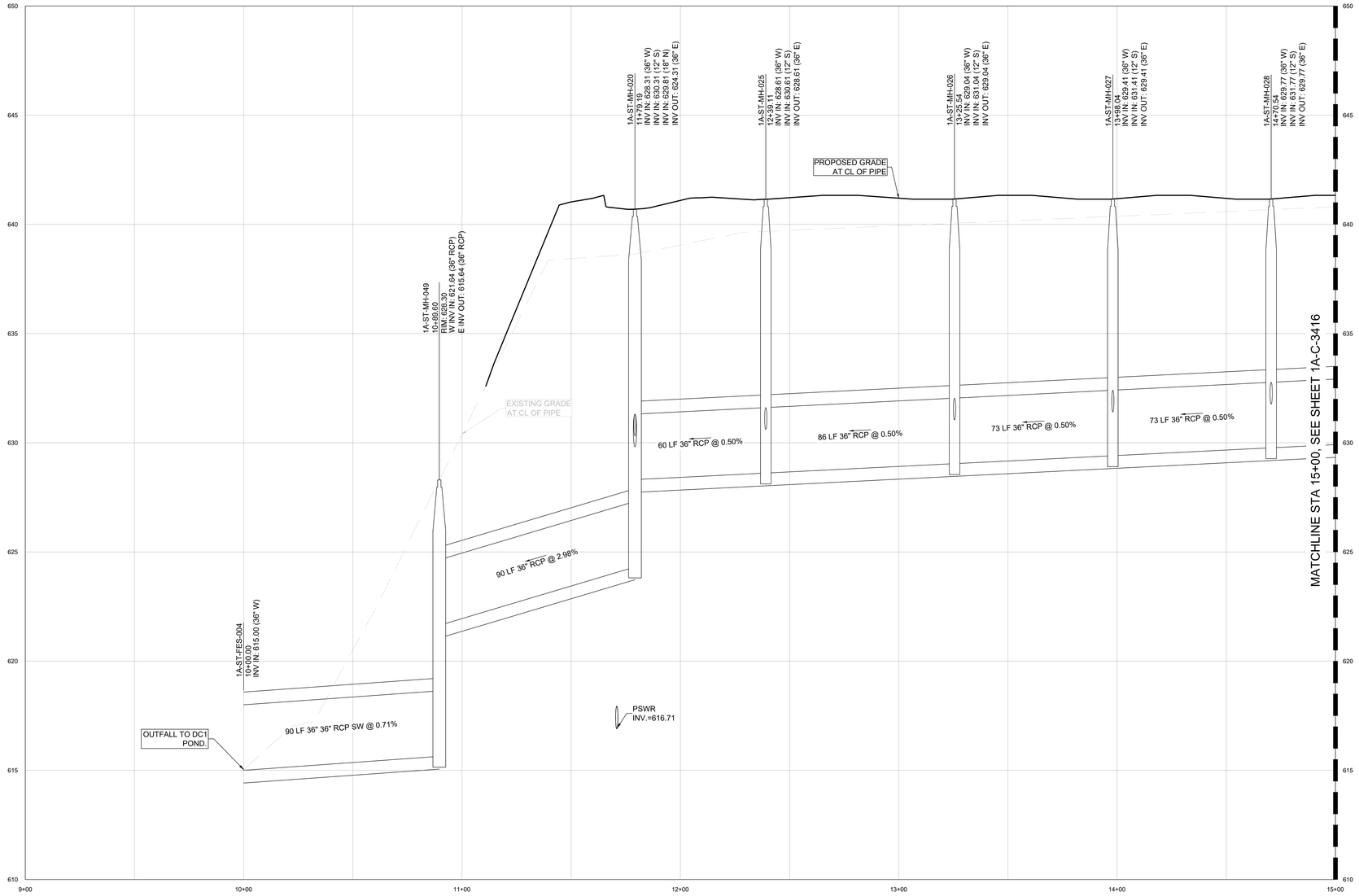

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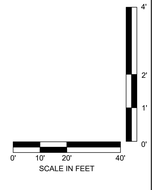

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
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MEP:
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DENVER, CO 80202
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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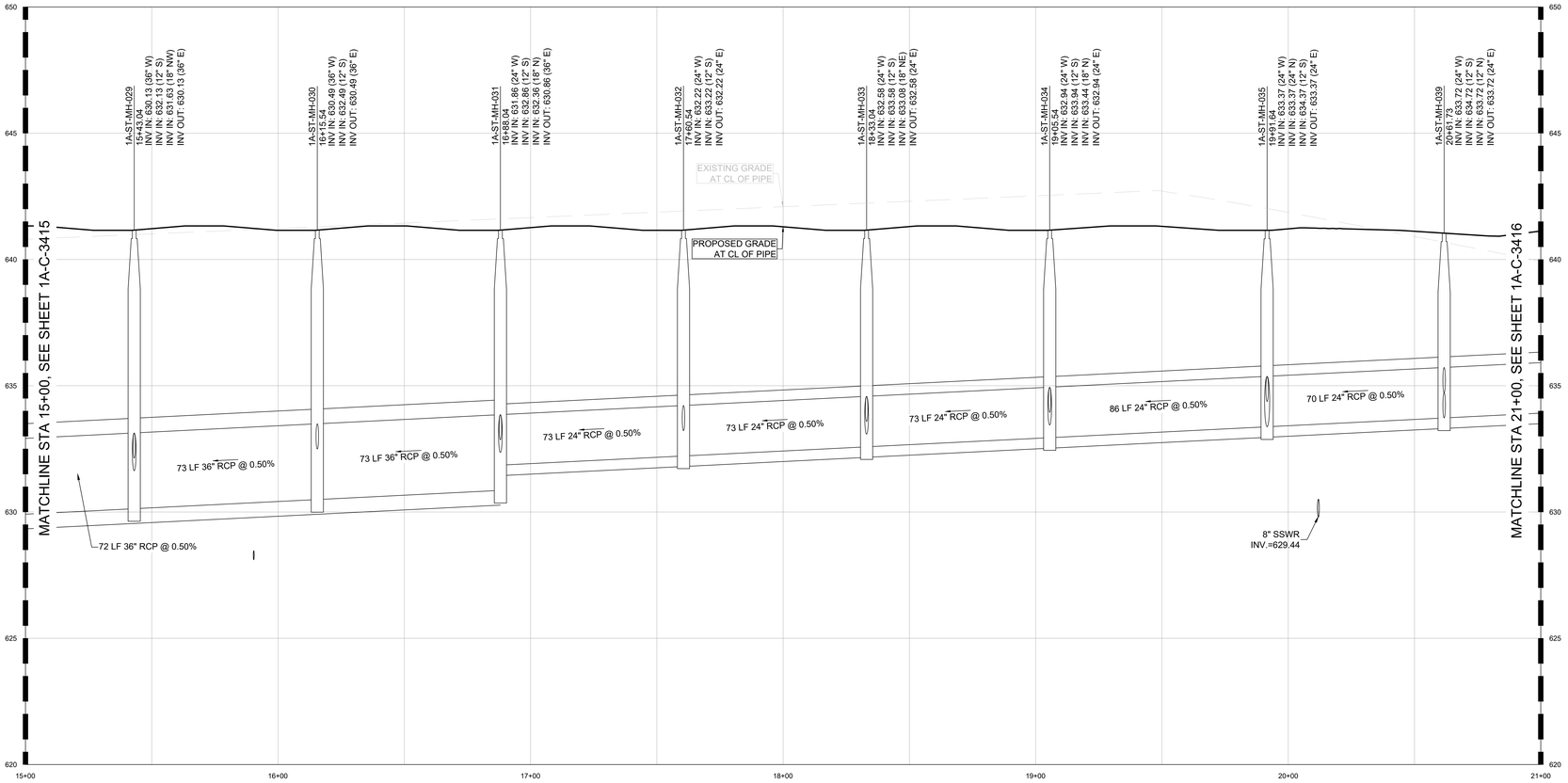

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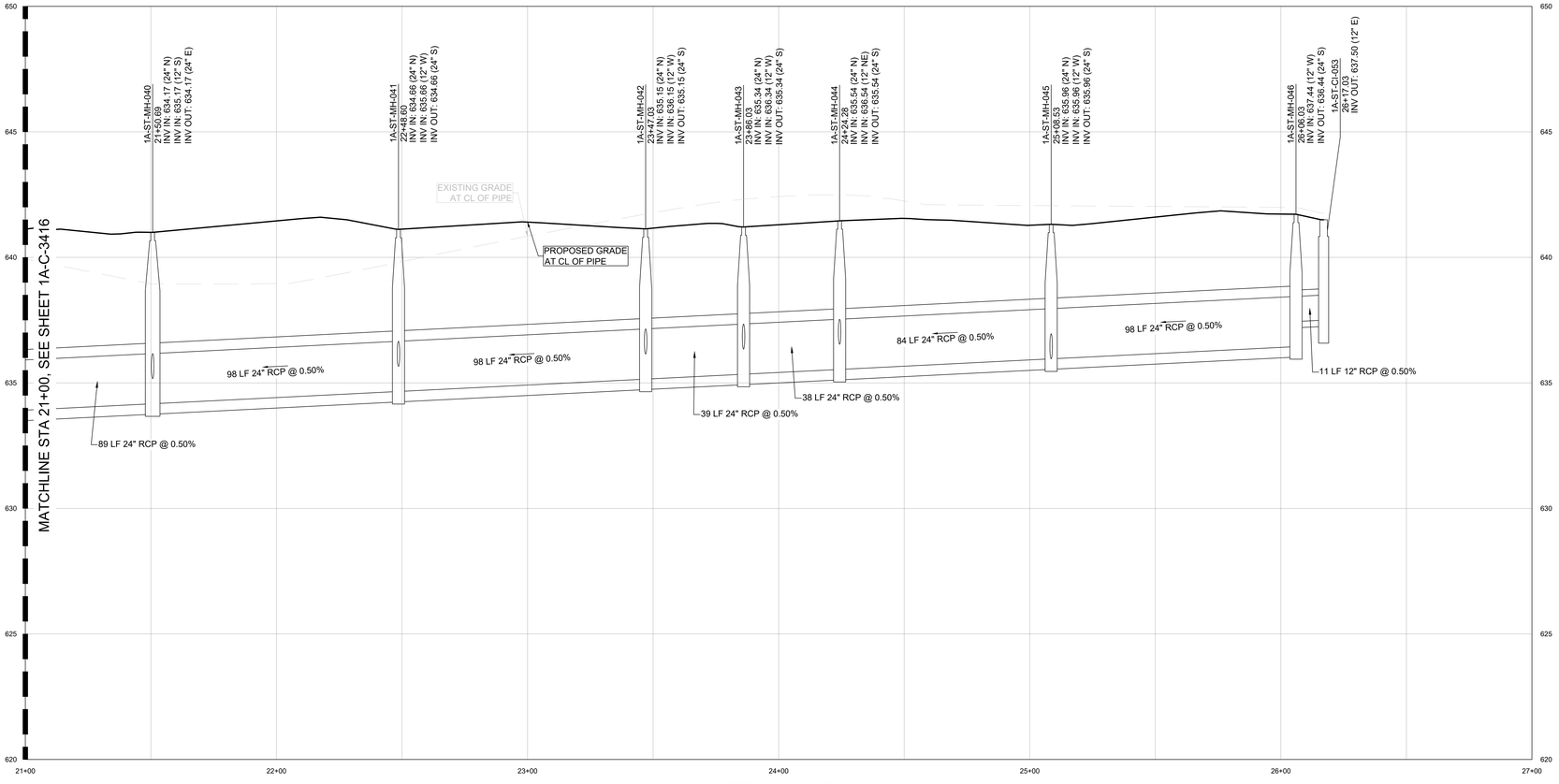

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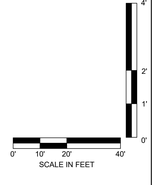

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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DENVER, CO 80202
Ph. (763) 591-5400

MEP:
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DENVER, CO 80202
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3416

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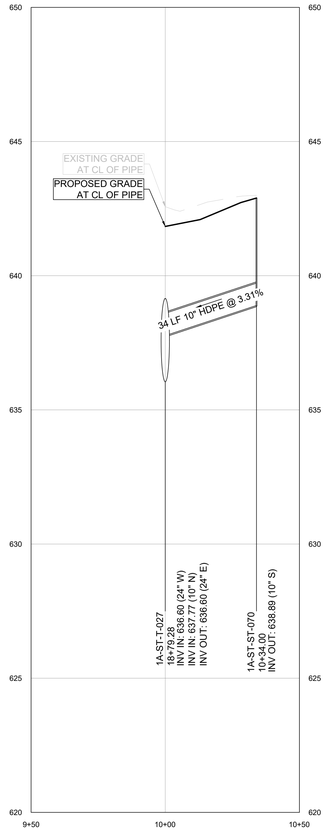

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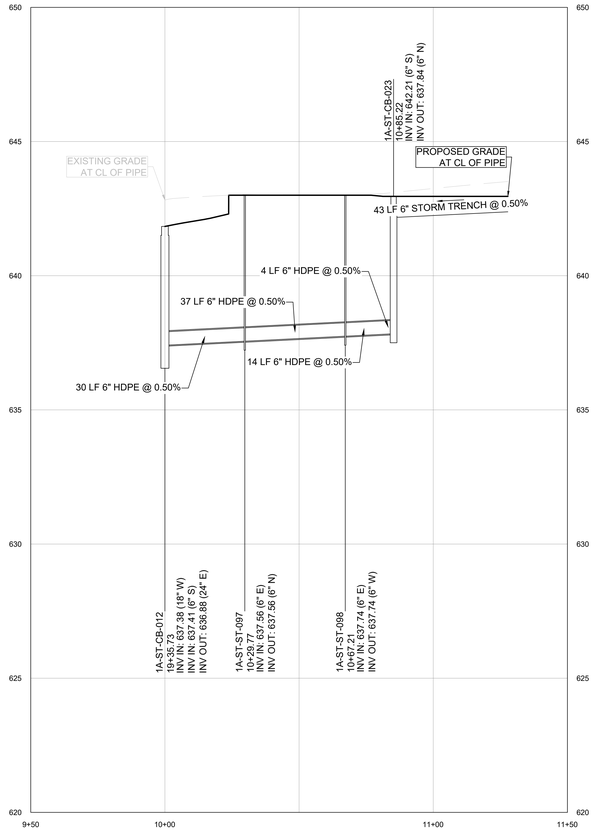

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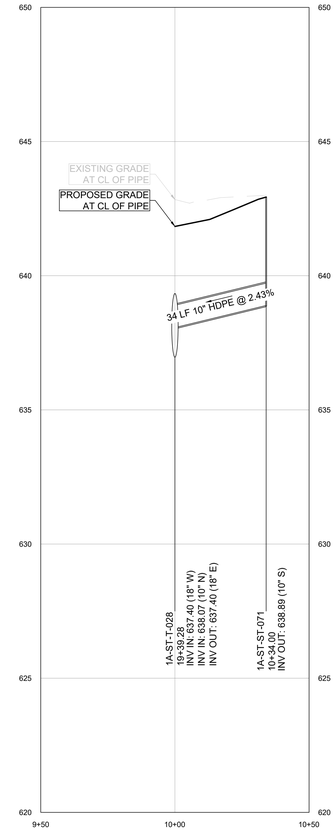

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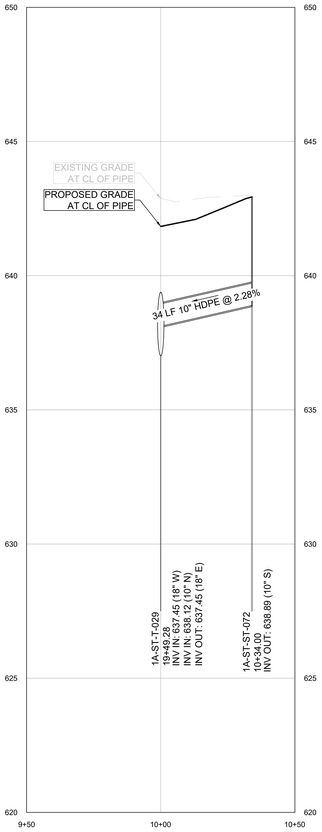

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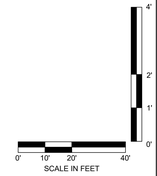
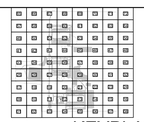


ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18



KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3417

PAPER SIZE: E (36"x48")
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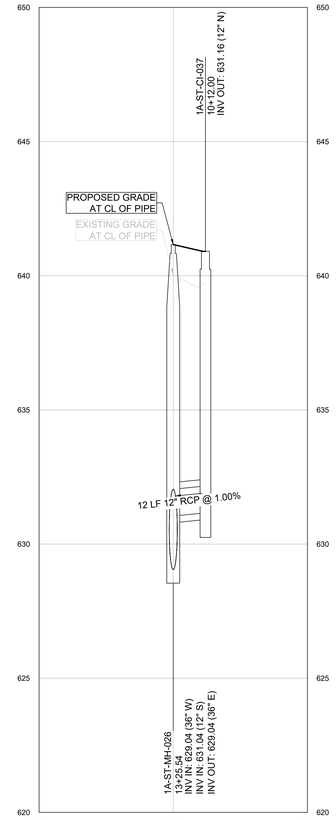

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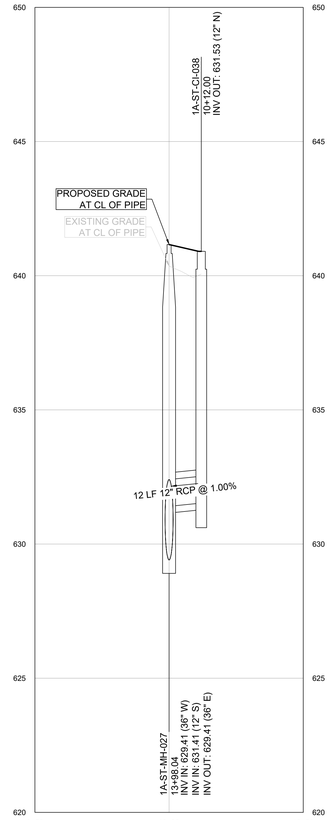

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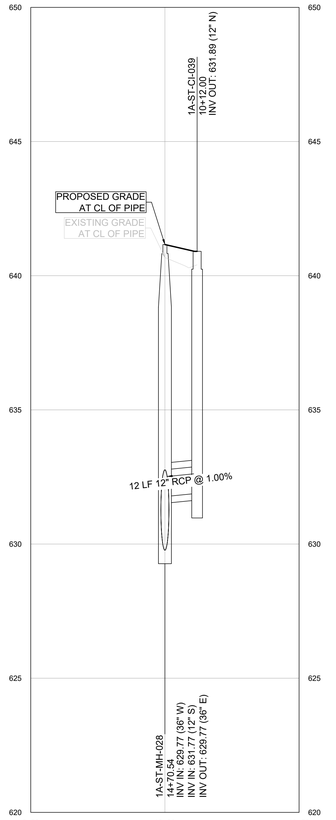

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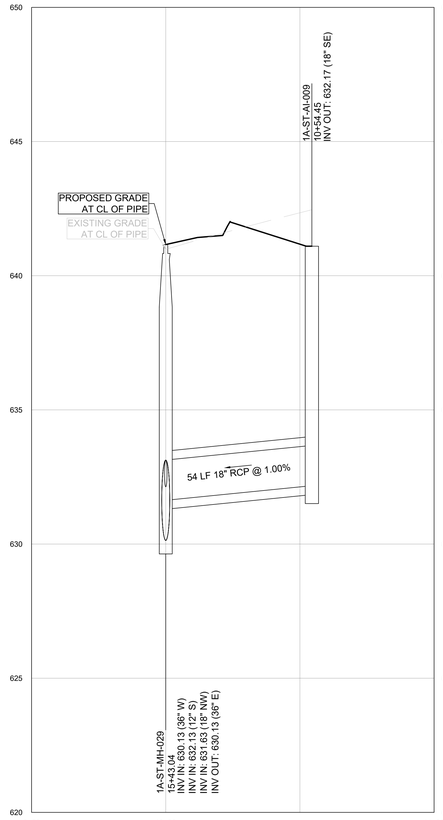

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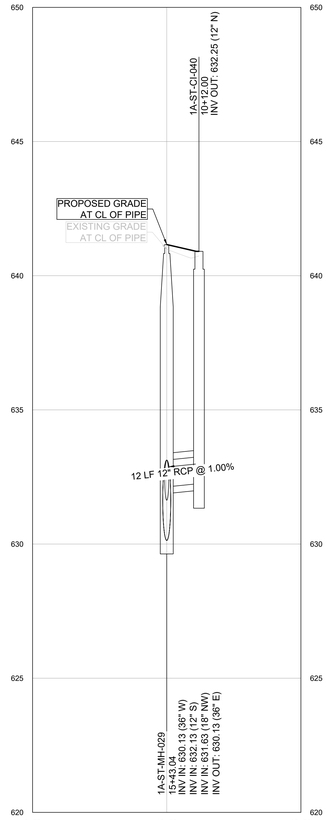

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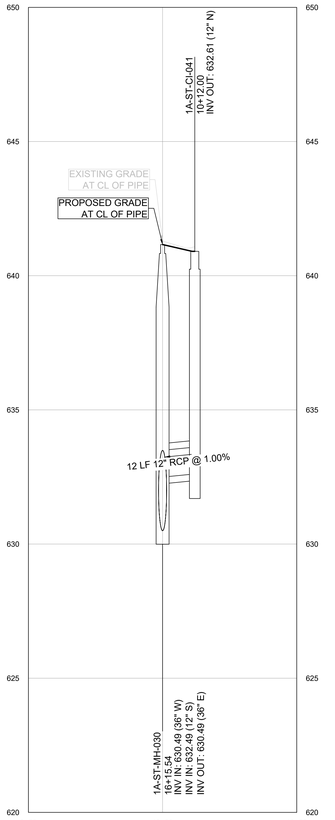

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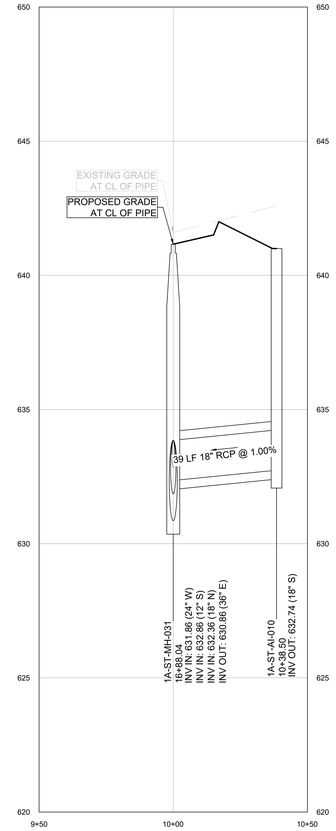

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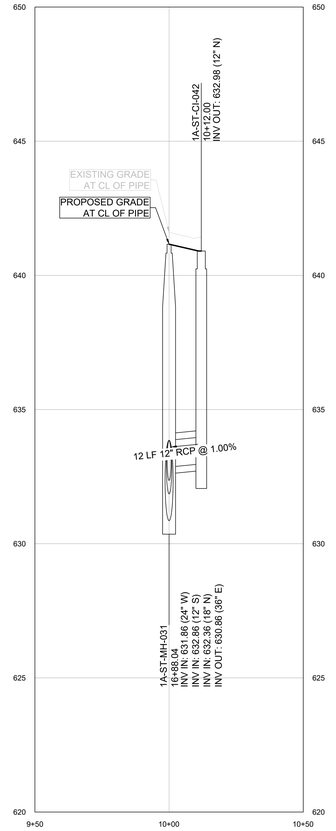

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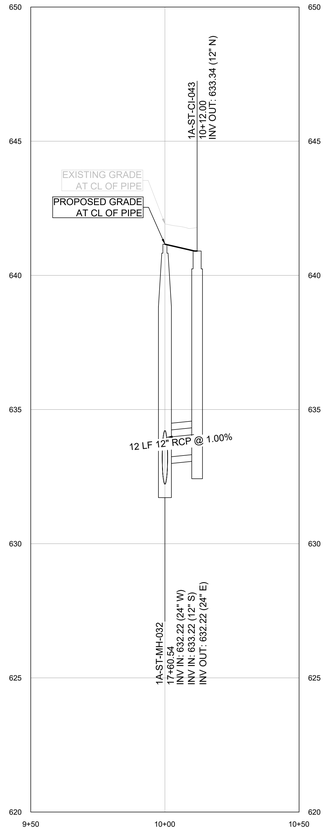

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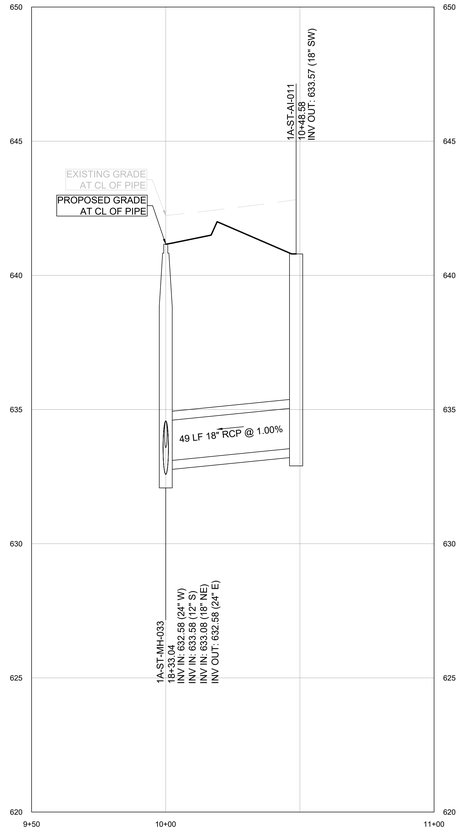

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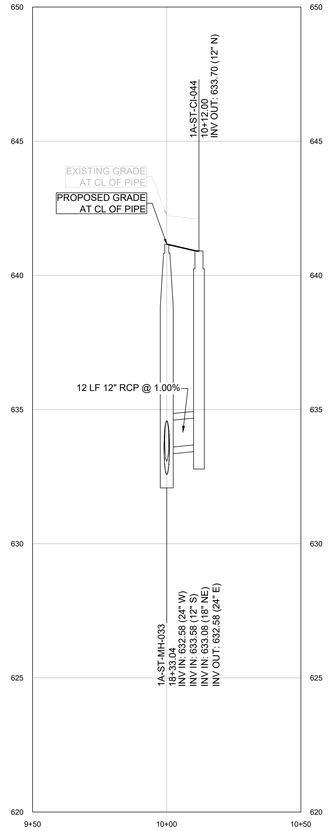

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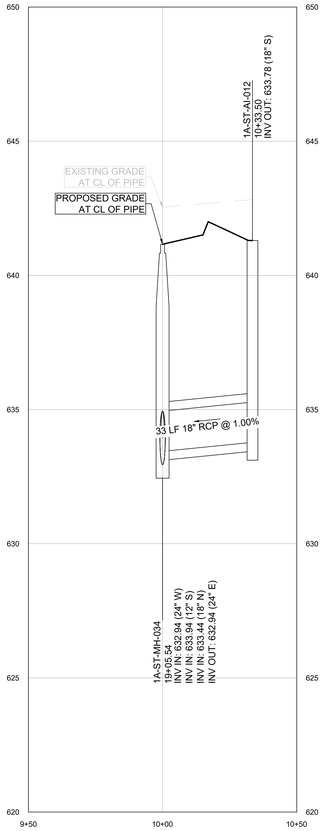

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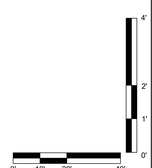

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3418

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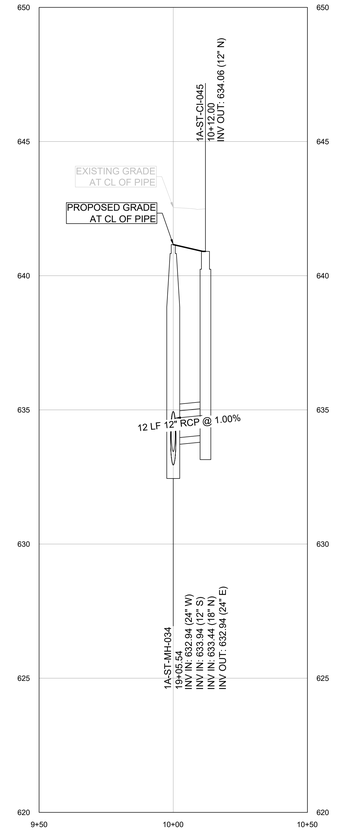

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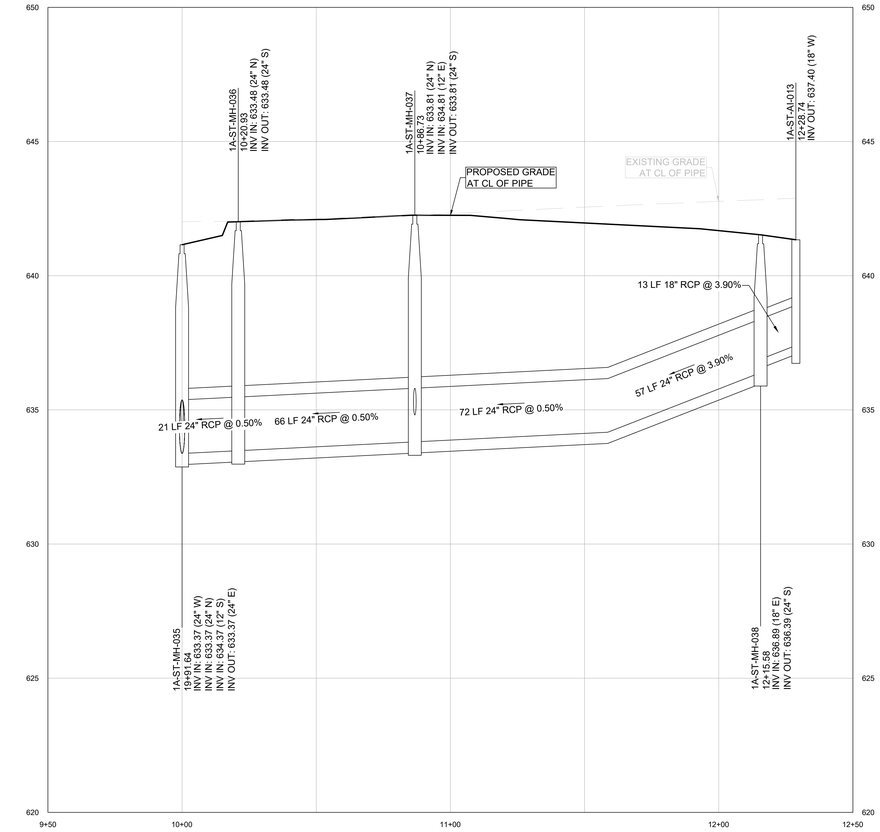

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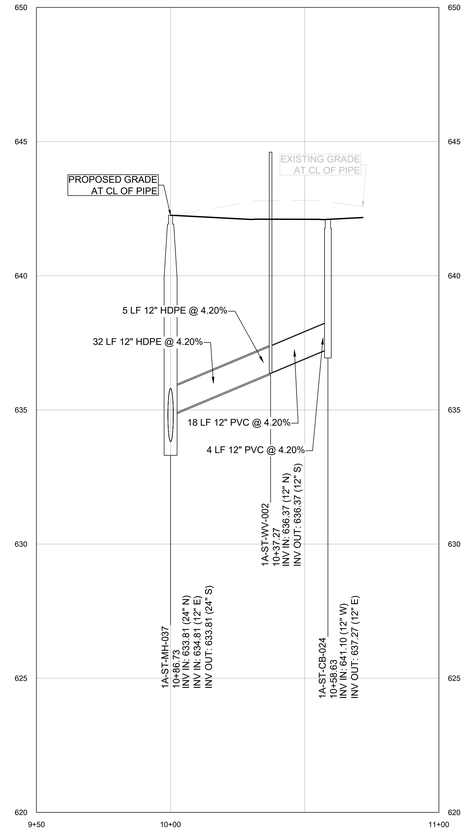

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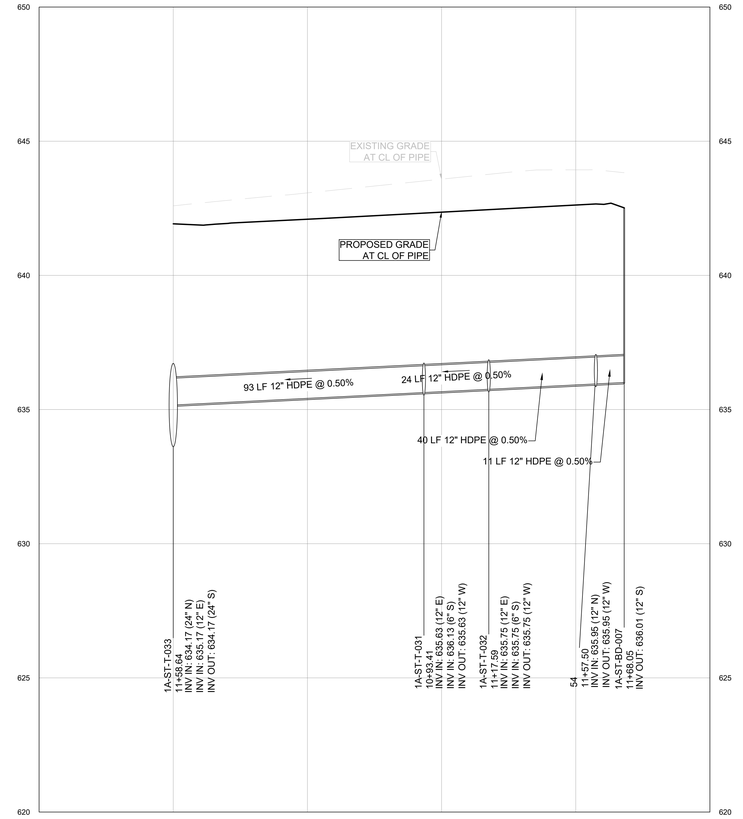

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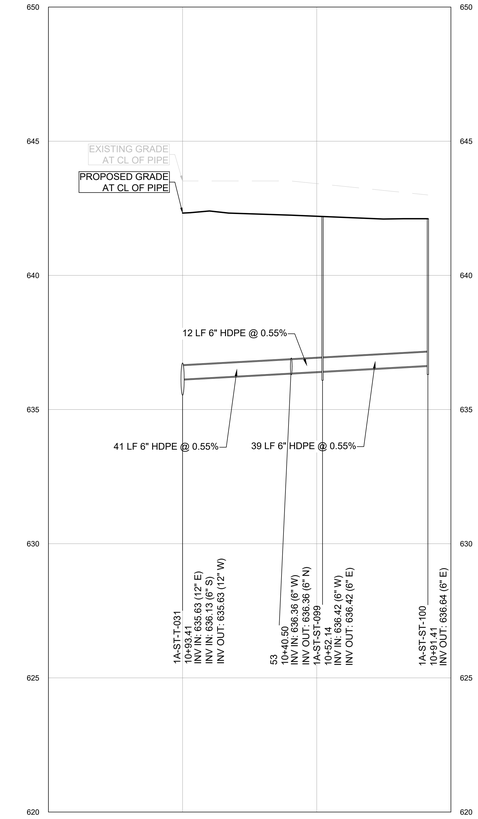

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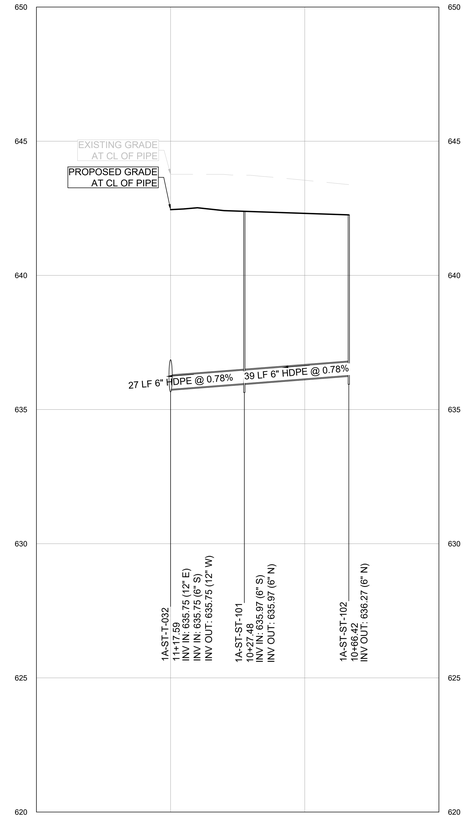

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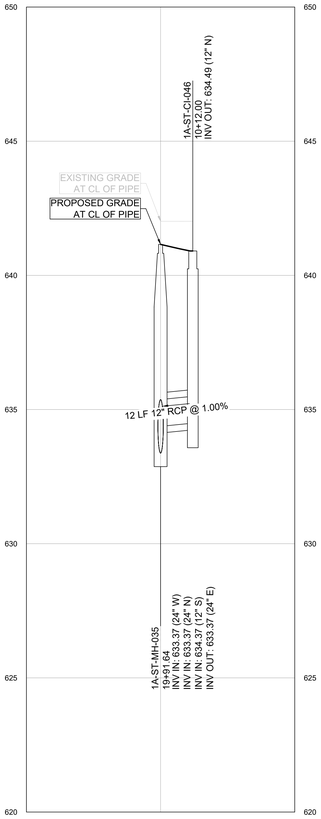

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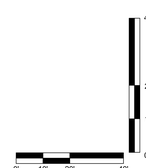

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3419

PAPER SIZE: E (36"x48")
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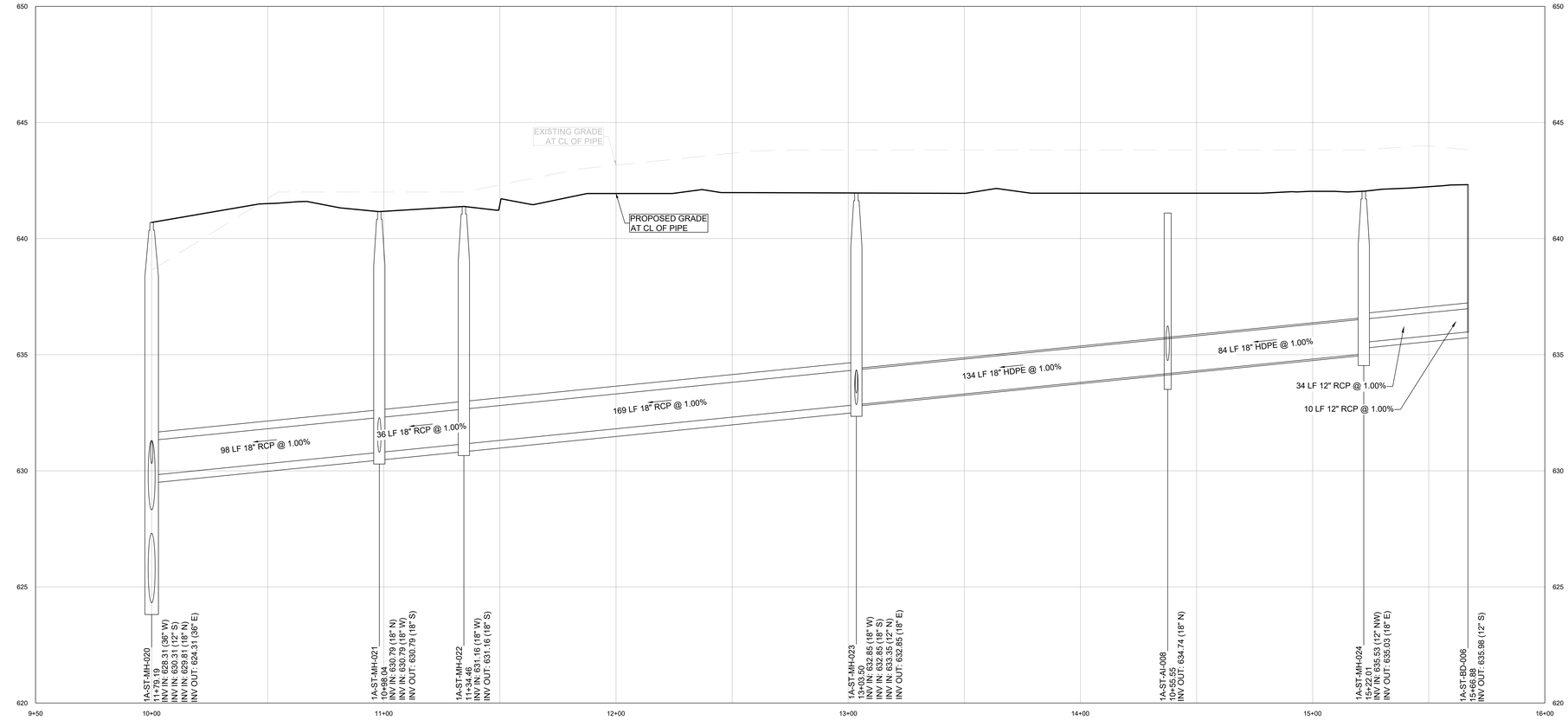

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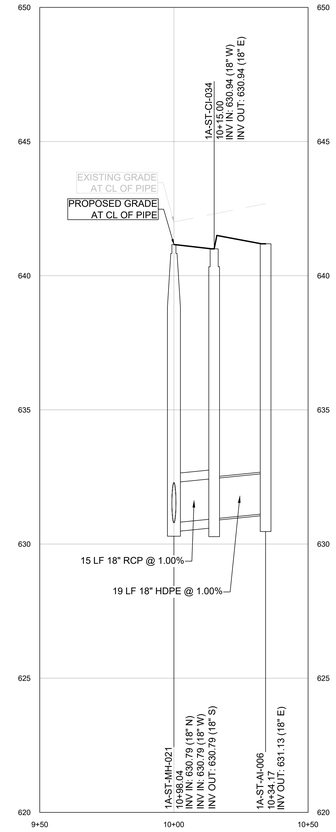

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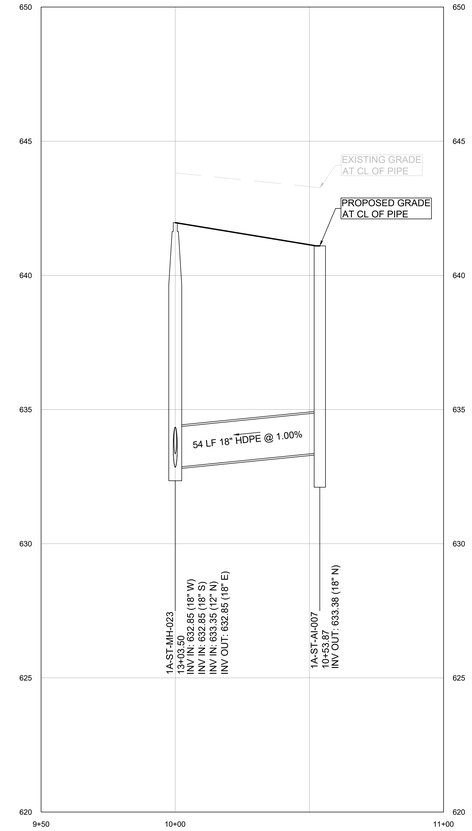

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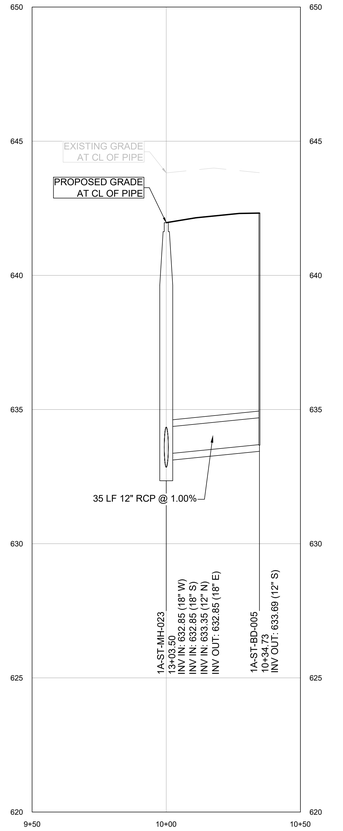

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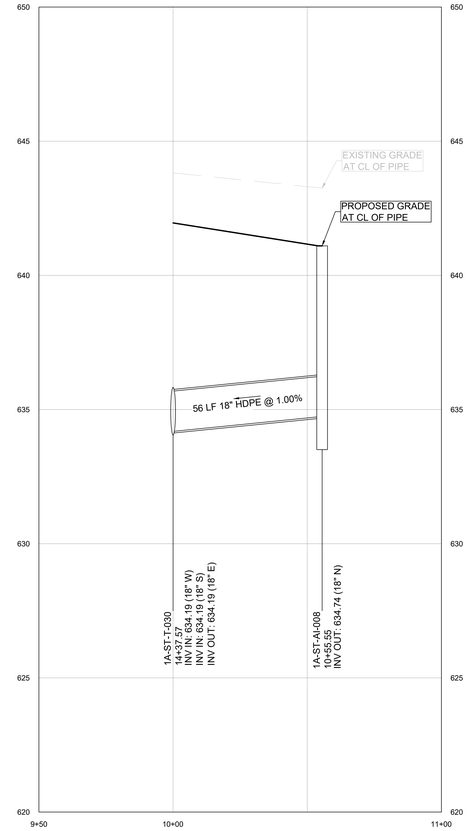

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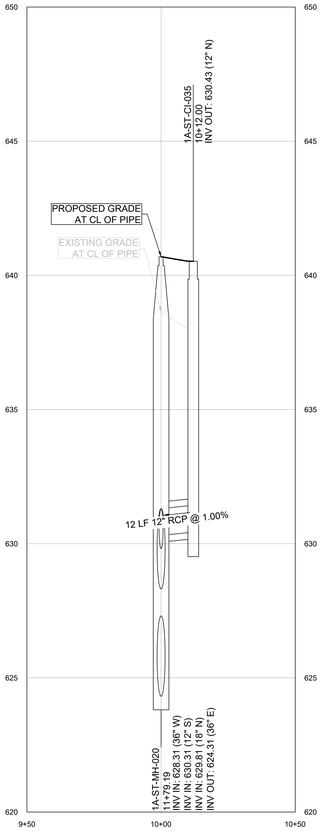

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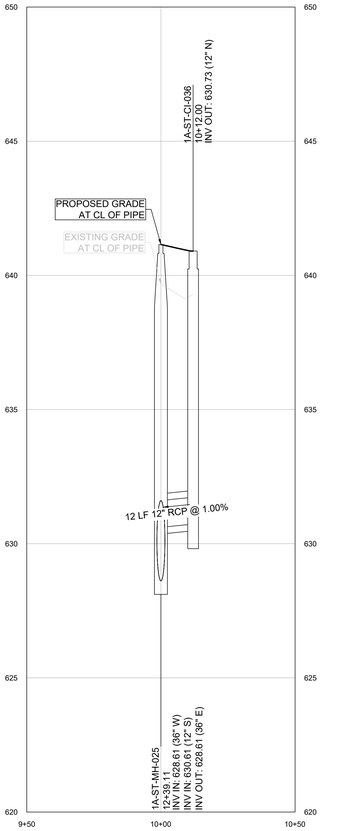

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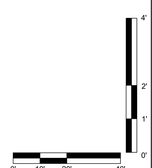

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3420

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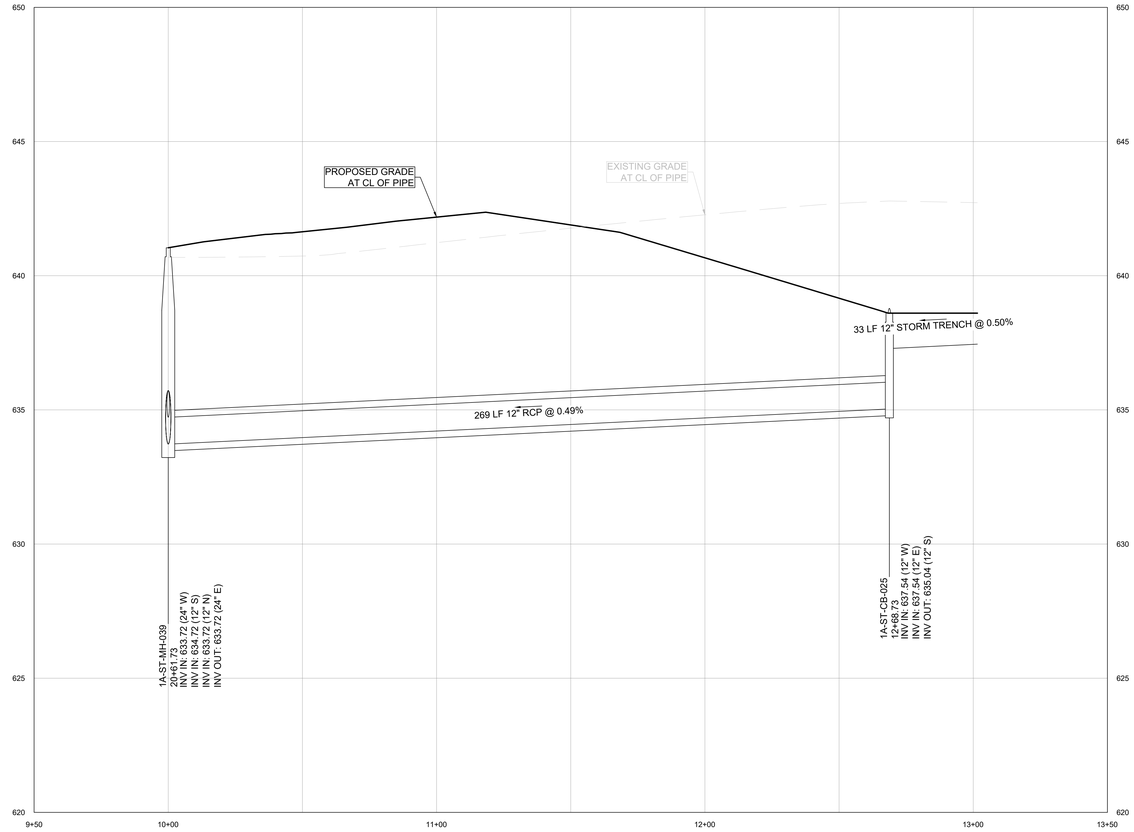

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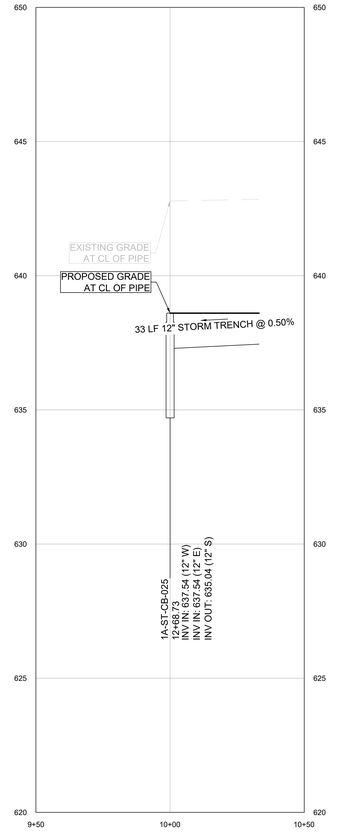

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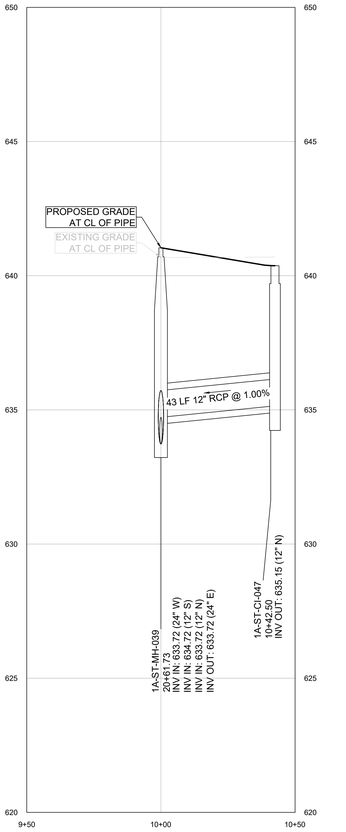

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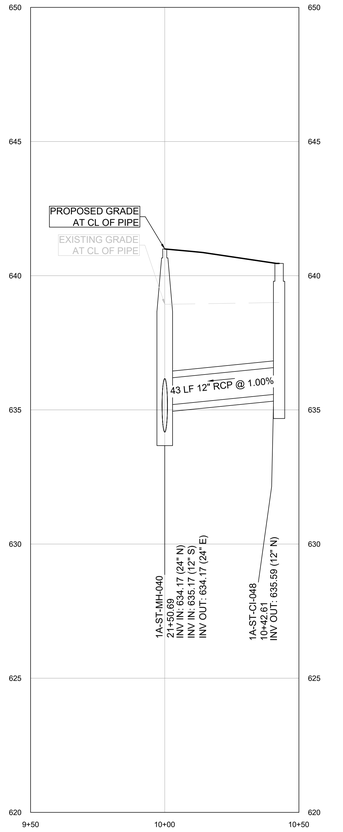

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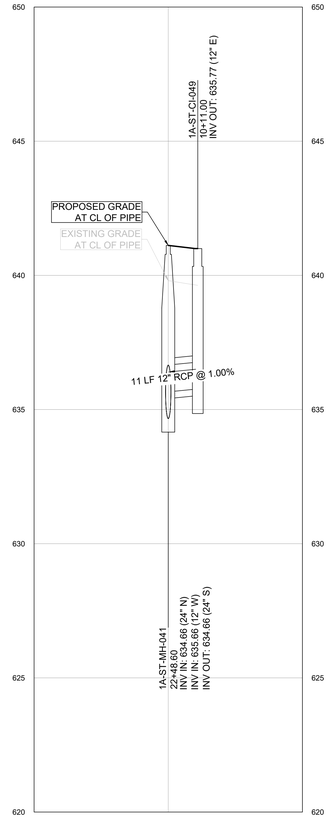

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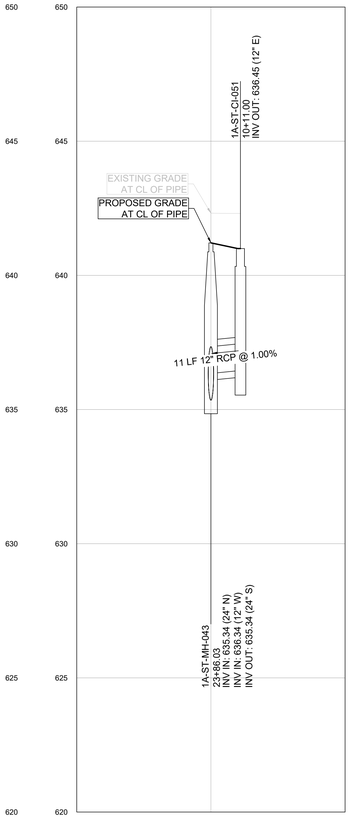

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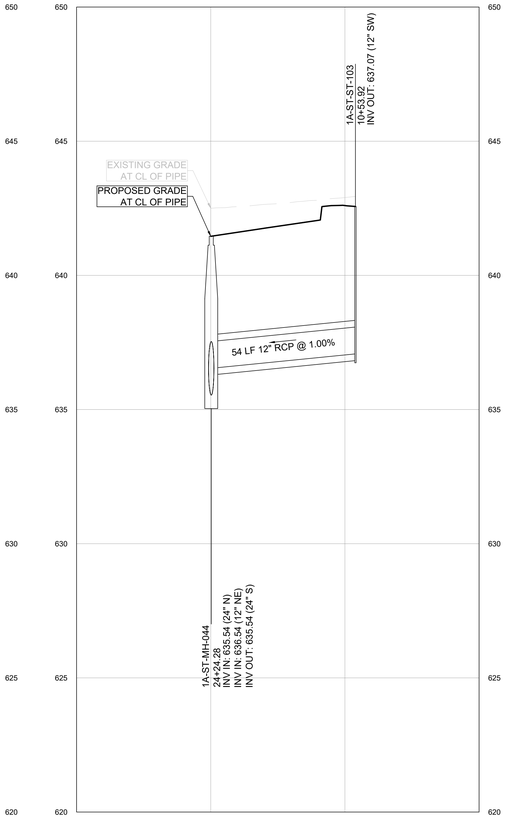

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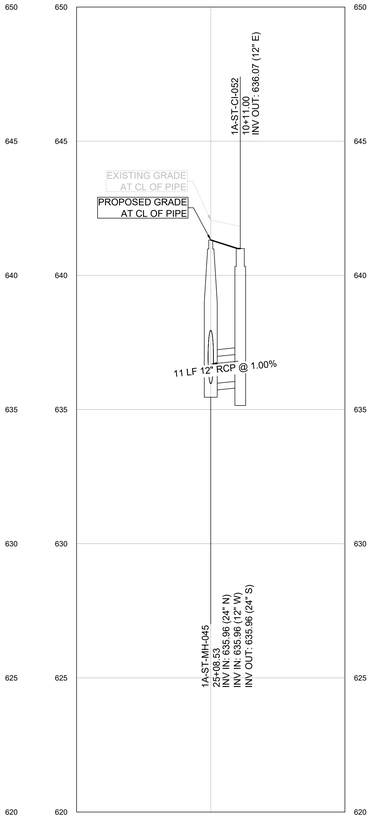

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3421

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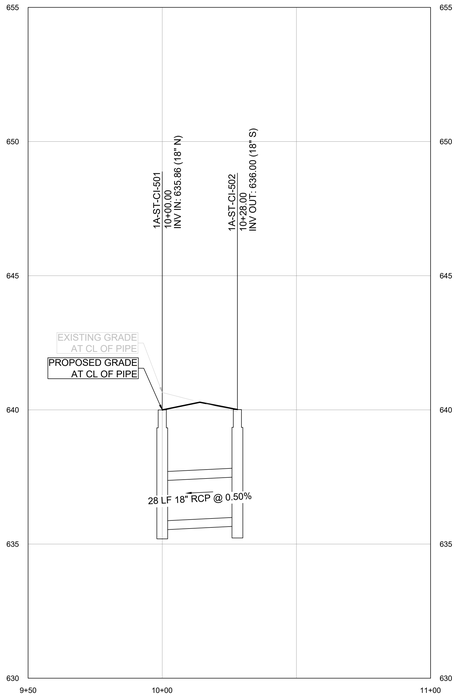
PHASE: SPS 65% DESIGN



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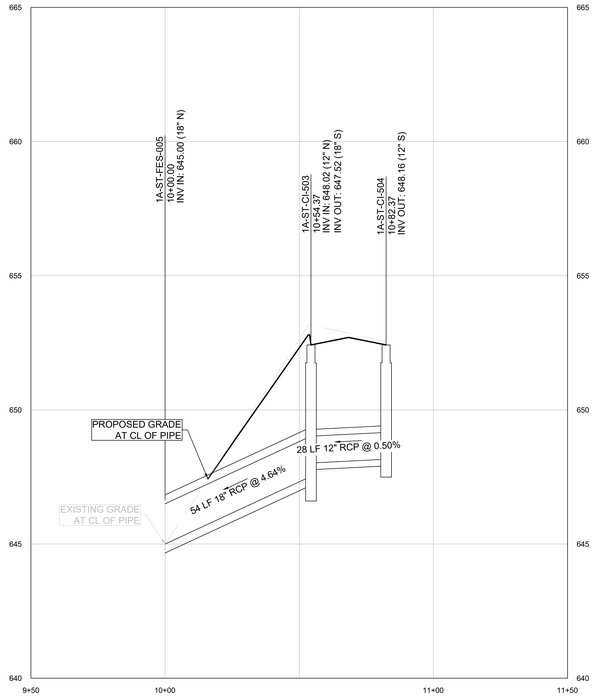

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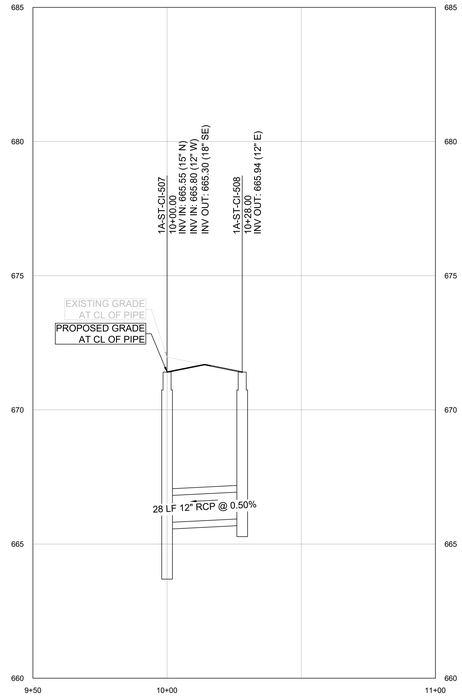

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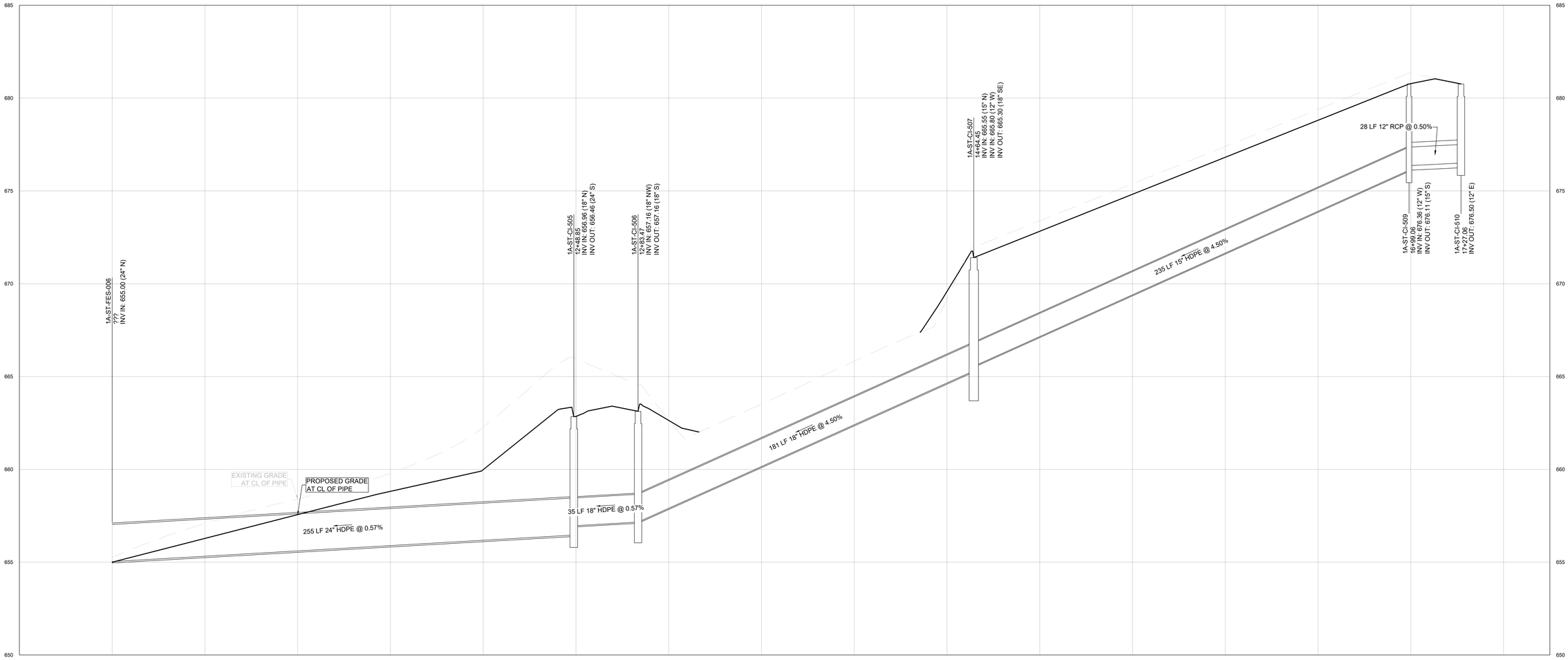

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3422

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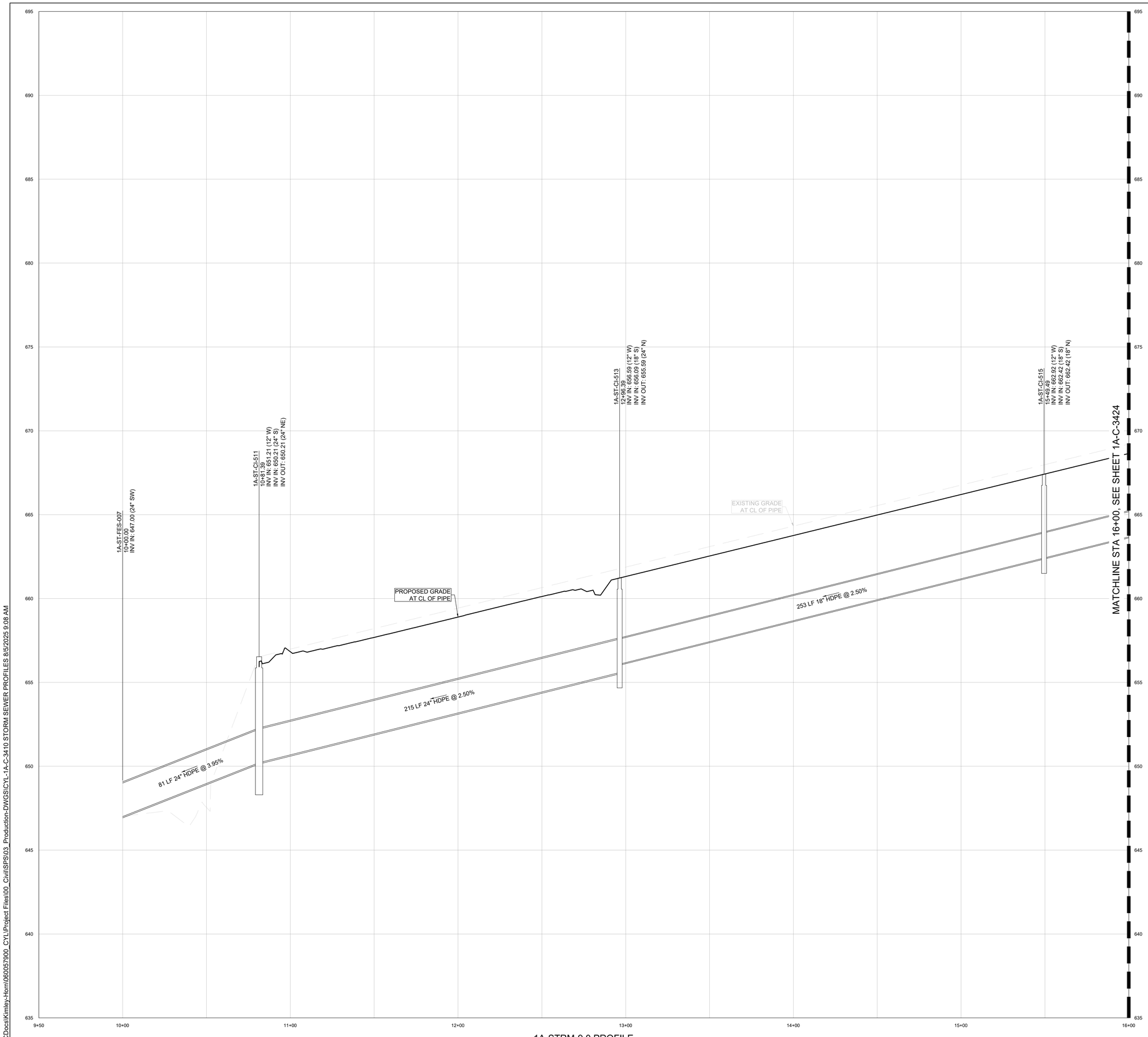

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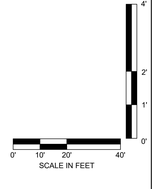

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ARCHITECTURE:
HDR Architecture, Inc.
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.:10434525

STORM SEWER PROFILES
SCALE: AS SHOWN

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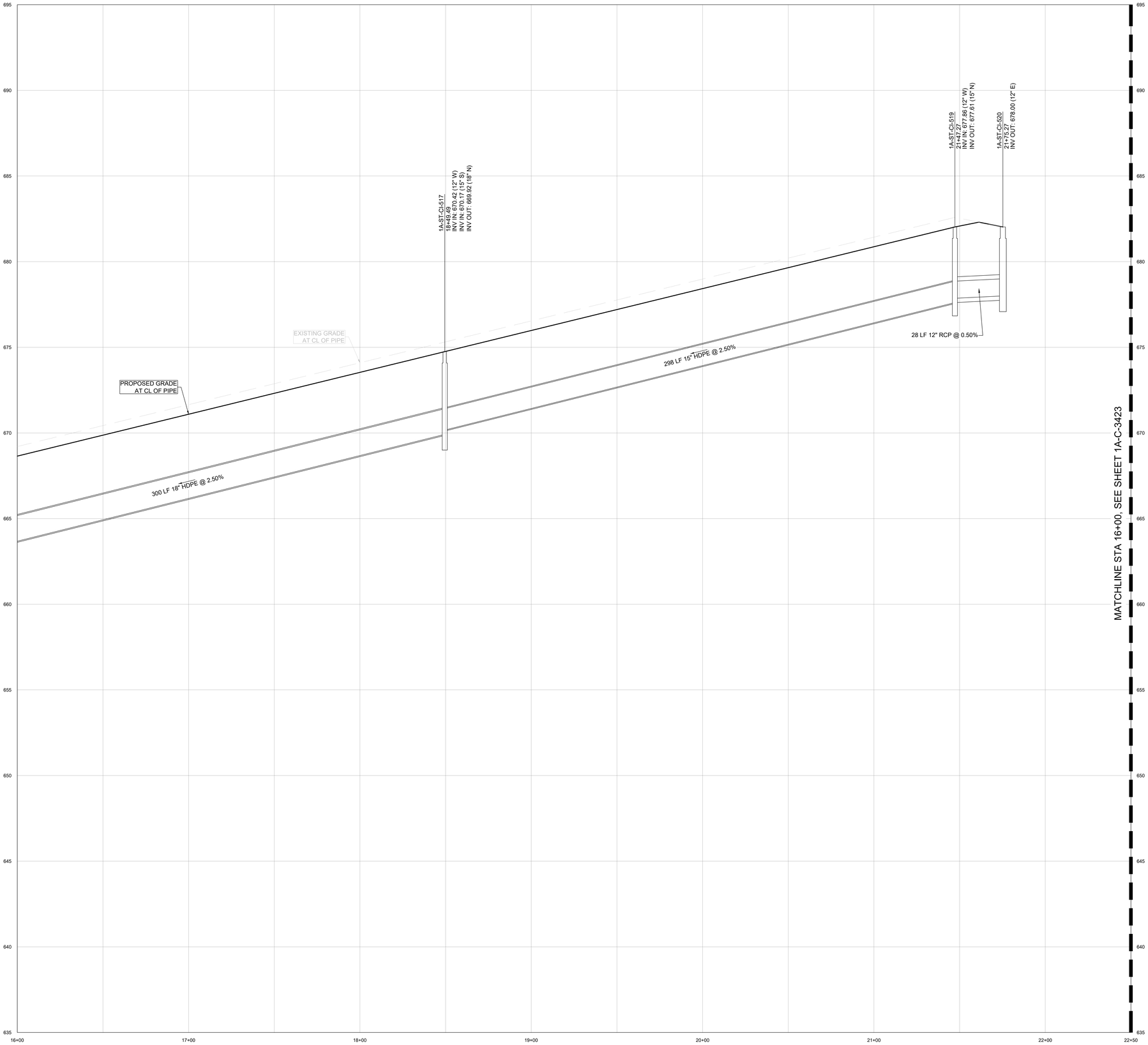

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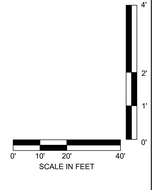

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ARCHITECTURE:
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Ph. (763) 591-5400

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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3424

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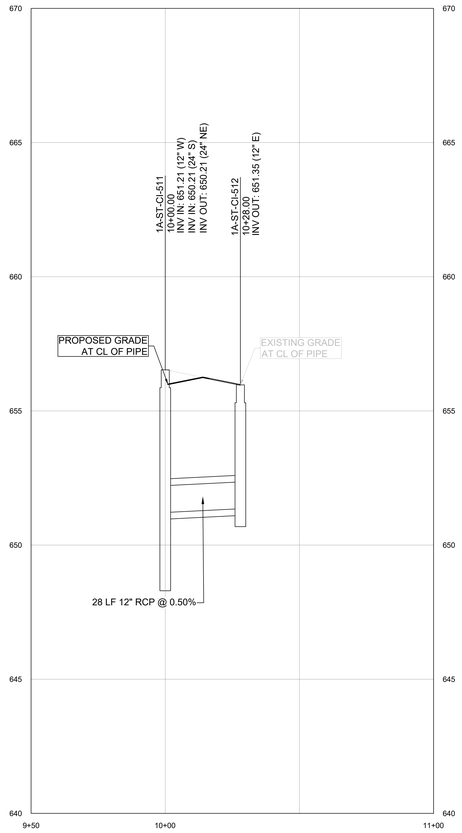

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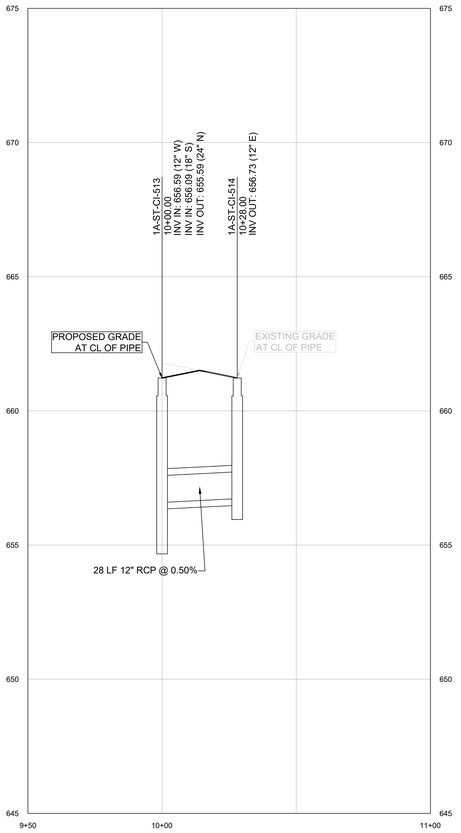

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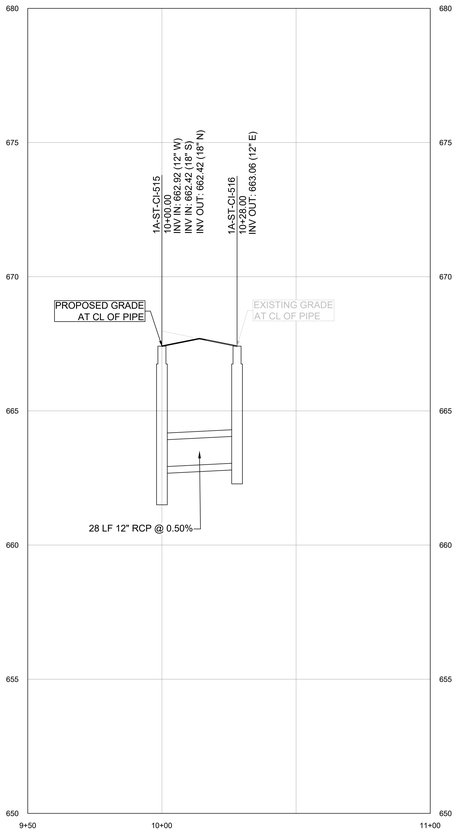

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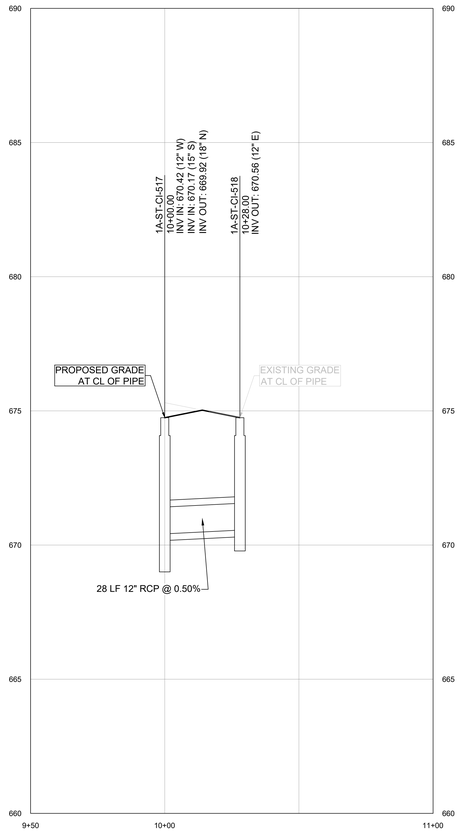

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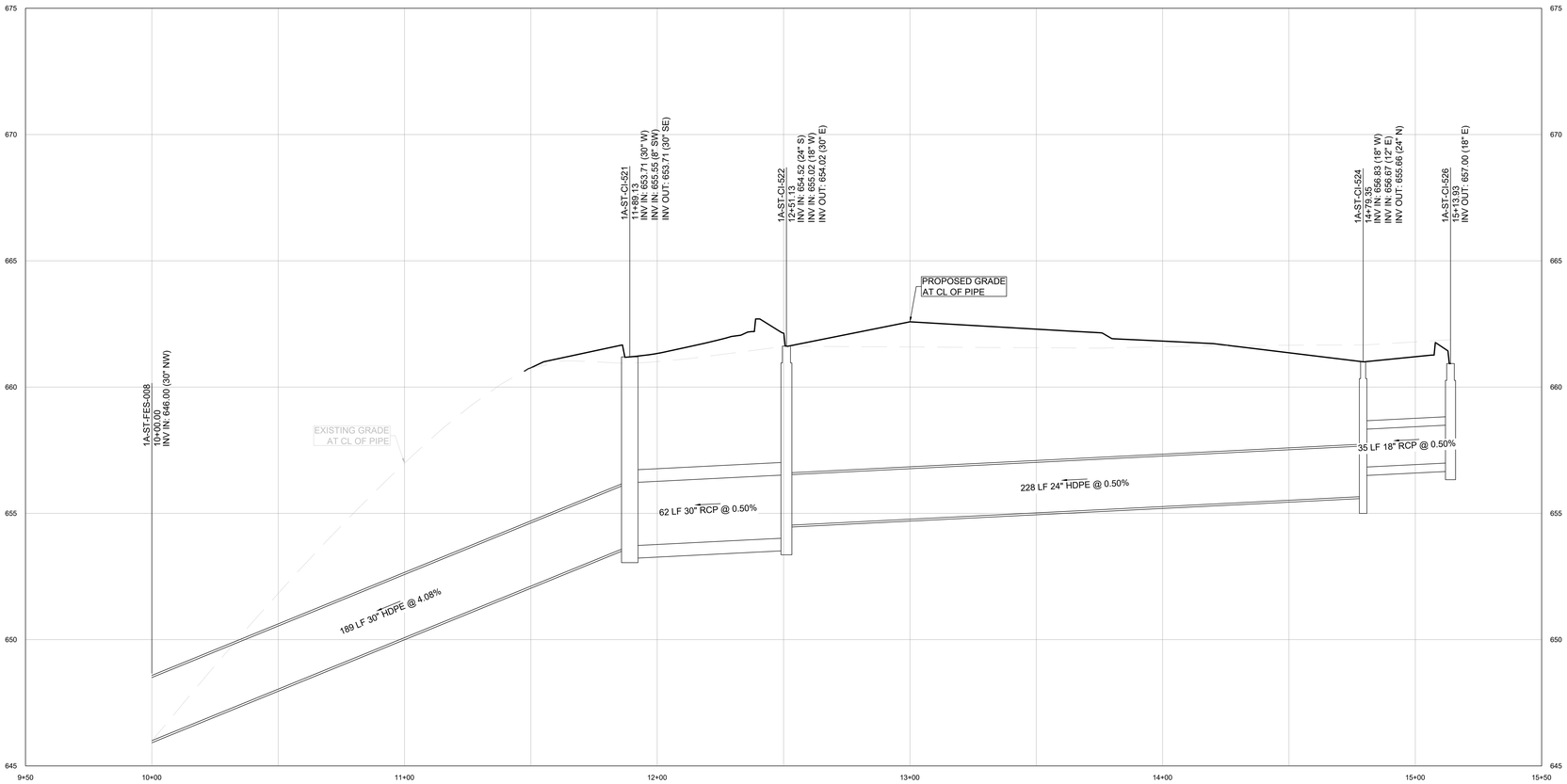

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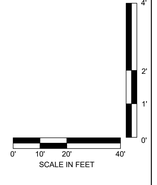

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3425

PAPER SIZE: E (36"x48")
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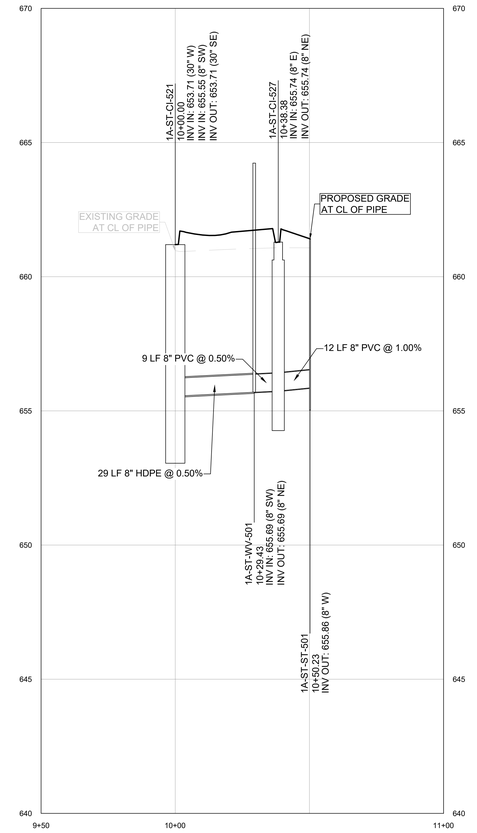

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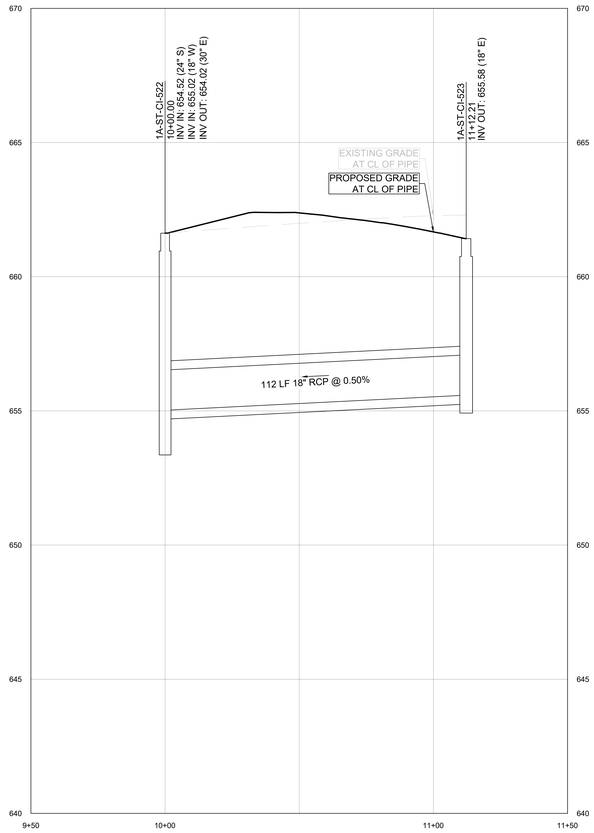

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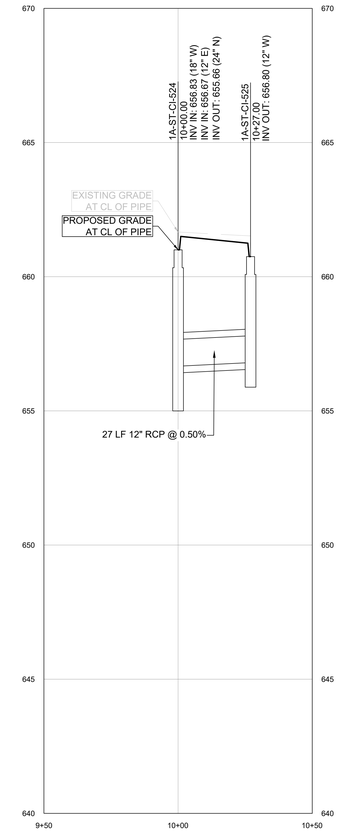

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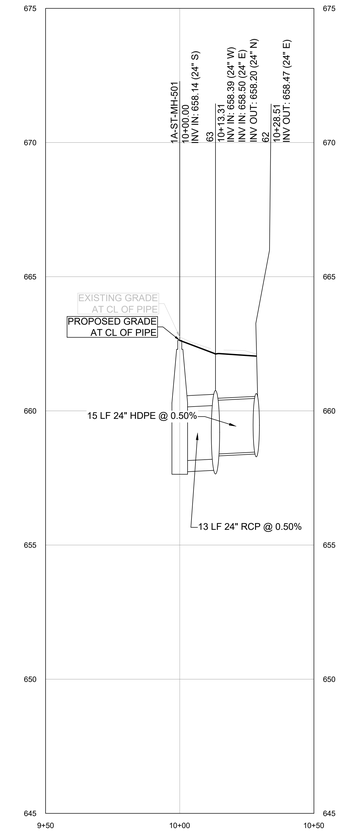

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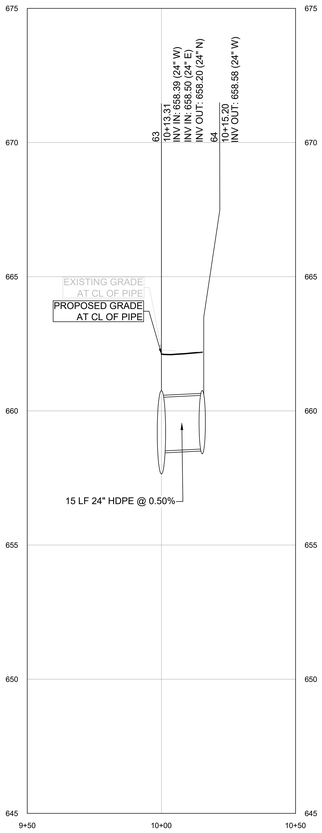

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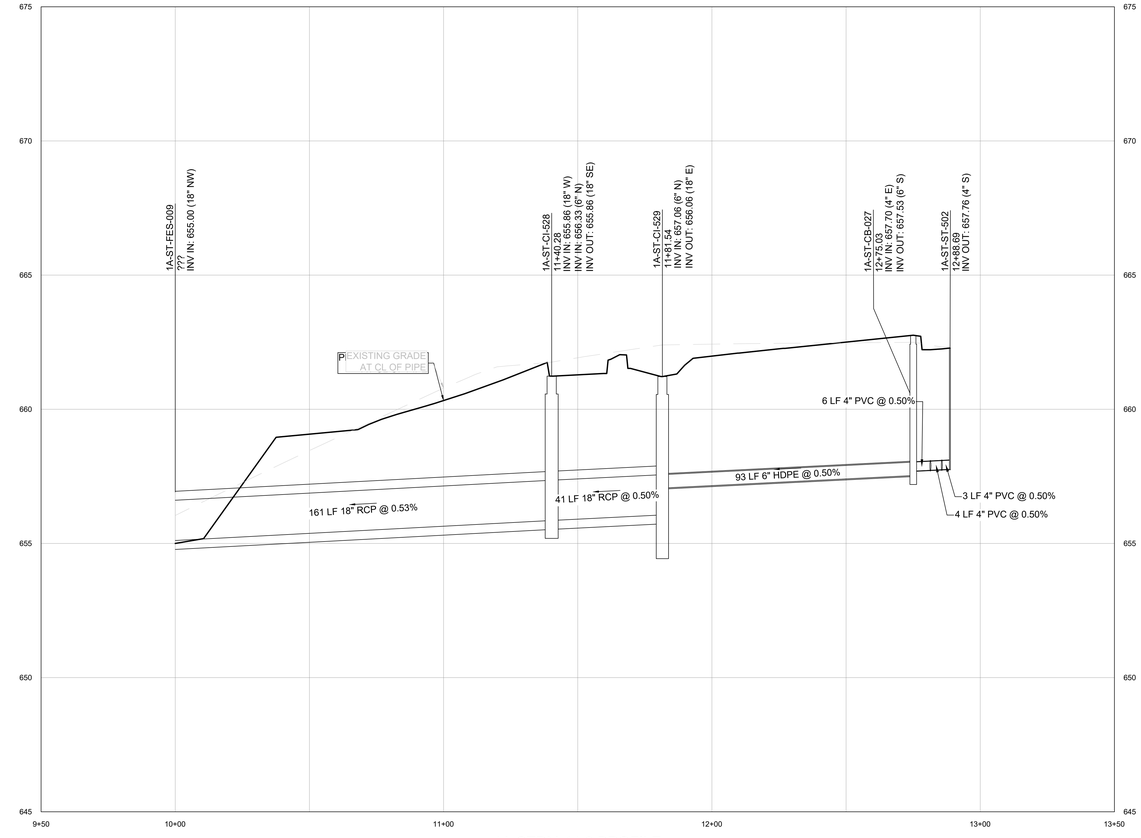

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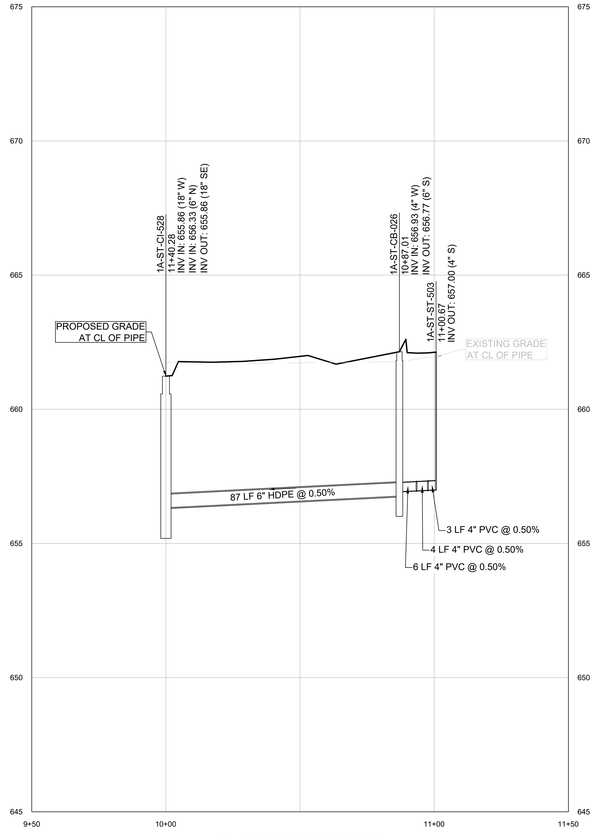

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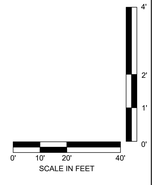

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

STORM SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3426

PAPER SIZE: E (36"x48")
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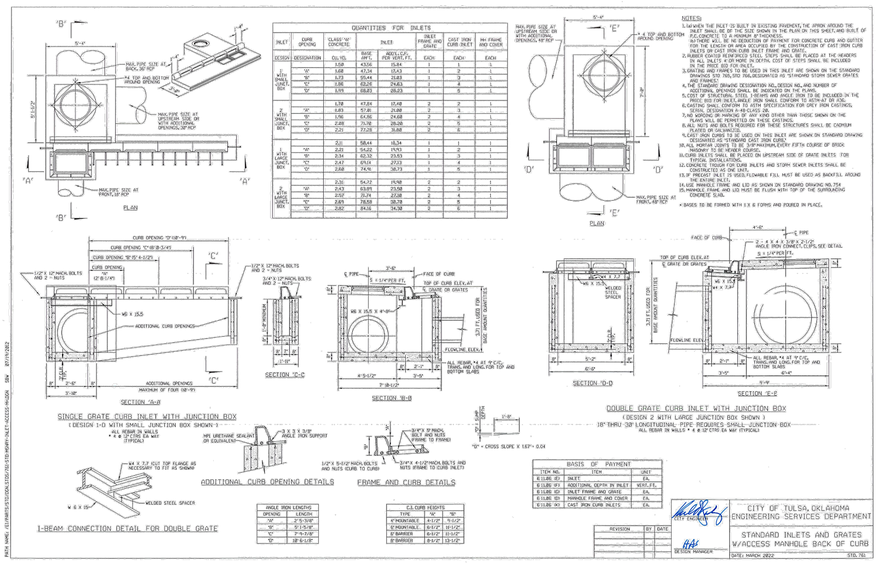

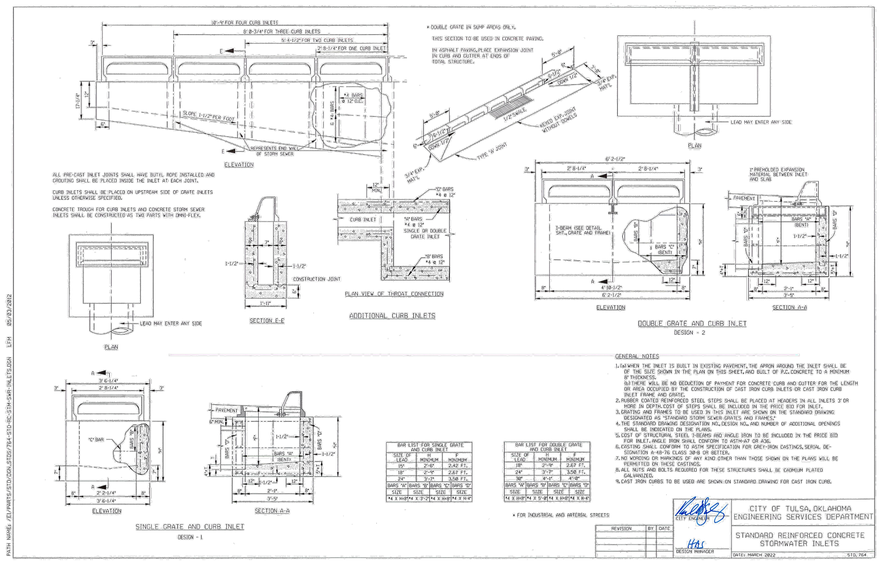

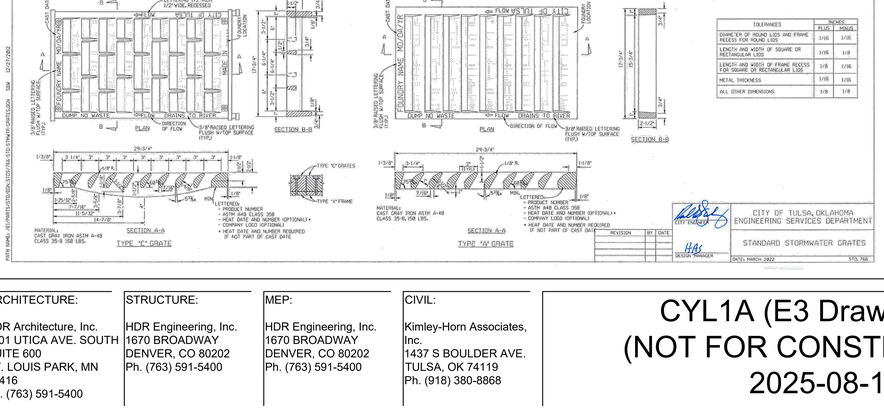

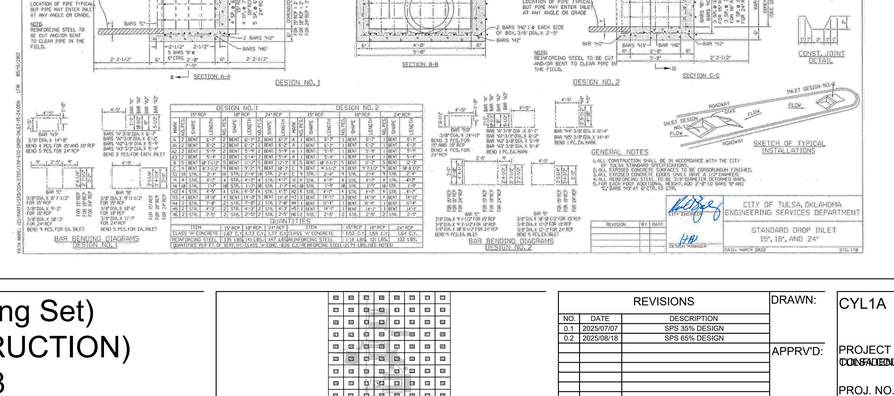

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ARCHITECTURE:
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MEP:
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DENVER, CO 80202
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

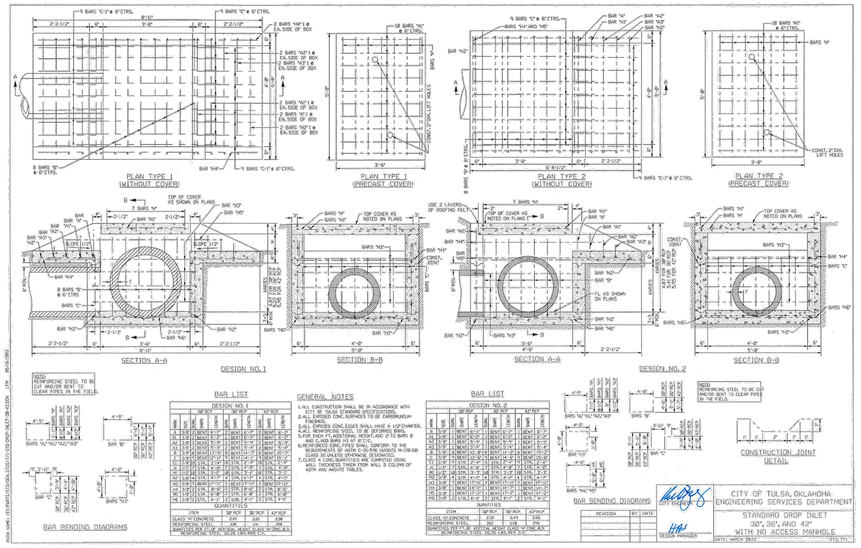
DRAWN:
APPRV'D:

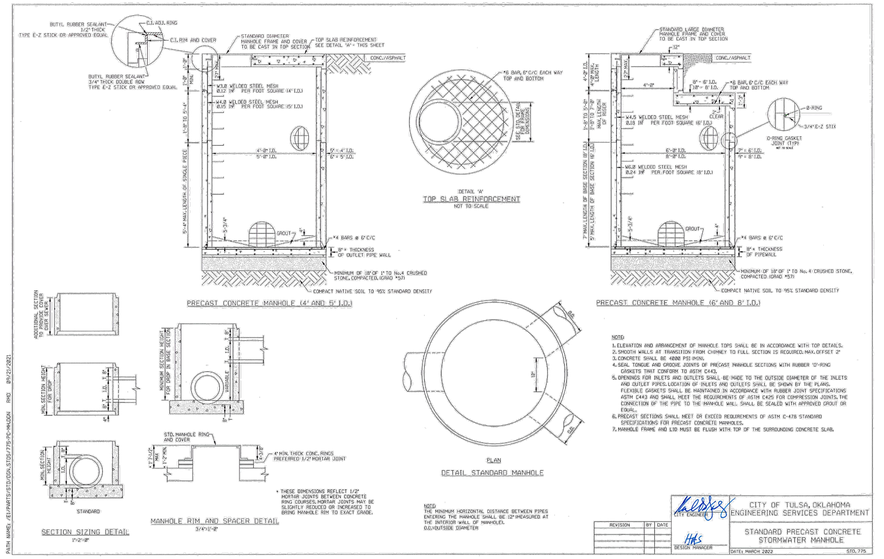
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

STORM SEWER DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3500
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

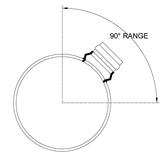
C:\ACC\ACCDocs\Kimley-Horn\060057900 CYL1\Project Files\00 Civil\SPS\03 Production-DWGS\CYL-1A-C-3500-STORM SEWER DETAILS 7/14/2025 1:20 PM



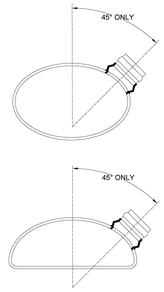


INSERTA TEE® INTO CONCRETE PIPE APPLICATIONS

INSERTA TEE INTO CIRCULAR CONCRETE PIPE



For circular pipe, installation angle of Inserta Tee can range anywhere between 0° and 90°, with typical installations at a 45° angle as seen in detail above.



INSERTA TEE INTO ELLIPTICAL CONCRETE PIPE

INSERTA TEE INTO ARCHED CONCRETE PIPE

For elliptical and arched pipe, installation angle must be at 45° as seen in details above.

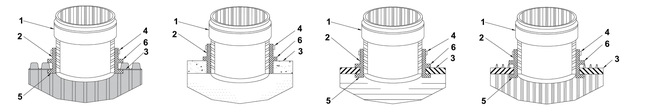
LATERAL SIZING FROM 2" THROUGH 24" (REFERENCE STD-1104 THROUGH STD-1110 FOR HUB TYPES). INSERTA TEE FITTING SHALL BE INSTALLED USING THE RECOMMENDED INSERTA TEE HOLE SAW. REFERENCE STD-1102 FOR MORE INFORMATION.

NOTE: FOR INSTALLATION INSTRUCTIONS, REFER TO DETAIL STD-11100. FOR PROTRUSION INFORMATION, REFER TO DETAIL STD-11101. FOR HOLE SAW INFORMATION, REFER TO DETAIL STD-11102.

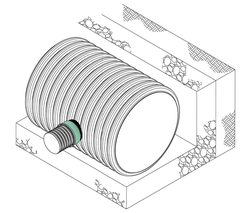
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INSERTA TEE INTO CONCRETE PIPE APPLICATIONS | DRAWING NUMBER STD-11114 | ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026 | DRAWN BY: MAK | 12/19/23 | ENG. | SCALE: NTS | SHEET 1

INSERTA TEE® CONNECTION DETAILS



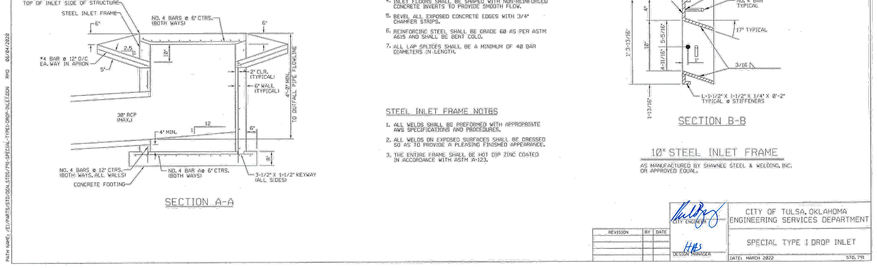
PART #	DESCRIPTION
1	PVC hub adapter which is driven into the center of the rubber sleeve after the rubber sleeve is in the hole.
2	Complete rubber sleeve consisting of ASTM F 477 specifications.
3	Mainline pipe wall where branch line is connected.
4	Stainless steel band, put on above rubber segment as an added precaution.
5	Rubber segment which is molded into the rubber sleeve. This prevents snap out on the inside of the drilled hole (plastic pipe only) and helps hold the fitting in place, not creating the seal.
6	Rubber segment which is molded into the rubber sleeve. This prevents the rubber sleeve from going through the drilled hole when PVC hub is being driven into the rubber sleeve.



Note: Watertight seal is accomplished when PVC hub is driven into rubber sleeve causing the rubber sleeve to compress between pipe wall and PVC hub.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INSERTA TEE CONNECTION DETAILS | DRAWING NUMBER STD-11123 | ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026 | DRAWN BY: MAK | 12/4/23 | ENG. | SCALE: NTS | SHEET 1



DIMENSIONS AND QUANTITIES FOR HEADWALLS WITH 90°/30° WINGS

DIMENSIONS								REINFORCING STEEL														QUANTITIES*	
								F1=1'-0" DIA.		F2=1'-2" DIA.		F3=1'-3" DIA.		H1=1'-2" DIA.		H2=1'-3" DIA.		H3=1'-5" DIA.		V=1'-5" DIA.		CLASS 'A' CONC.=C.Y.	REINF. STEEL=LBS.
D	AREA S.F.	T	H	L	E	B	C	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.		
15"	1.23	2'-1/4"	2'-5-1/4"	3'-8"	2'-2"	10"	6"	18	1'-10"	3	6'-5"	1	7'-8"	3	6'-9"	5	2'-8"	2	3'-8"	4	3'-10"	7	4'-3"	1.89
18"	1.77	2'-1/2"	2'-8-1/2"	3'-8"	2'-3"	11"	6"	18	1'-11"	3	6'-9"	1	7'-8"	3	7'-0"	5	2'-8"	2	3'-6"	4	4'-5"	9	4'-10"	1.32
24"	3.14	3"	3'-3"	4'-0"	2'-7"	1'-3"	6"	14	2'-2"	3	7'-2"	1	8'-11"	3	7'-10"	4	3'-1"	3	4'-0"	4	5'-0"	11	5'-0"	1.74
30"	4.91	3'-1/2"	3'-9-1/2"	5'-0"	2'-10"	1'-4"	6"	16	2'-6"	3	7'-8"	1	10'-2"	3	8'-8"	6	3'-4"	3	5'-0"	4	6'-10"	14	5'-5"	2.59
36"	7.87	4"	4'-4"	7'-0"	3'-1"	1'-7"	8"	1'6	2'-9"	4	8'-2"	1	11'-1"	3	8'-8"	7	5'-0"	4	6'-8"	4	8'-1"	17	6'-4"	3.47
42"	9.62	4'-1/2"	4'-10-1/2"	8'-8"	3'-4"	1'-8"	10"	21	3'-0"	4	8'-8"	1	13'-2"	3	9'-6"	7	5'-0"	4	7'-0"	4	9'-2"	1'6	7'-2"	4.32

*FOR ONE HEADWALL

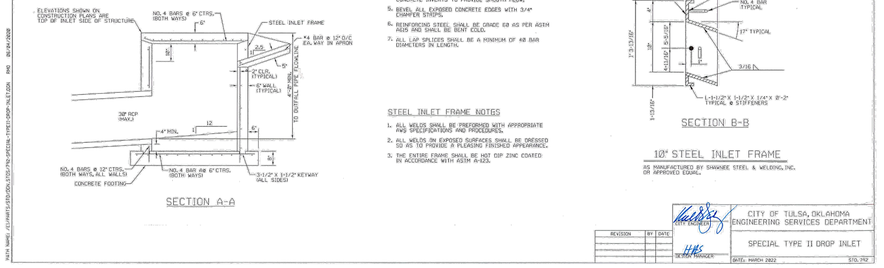
DIMENSIONS AND QUANTITIES FOR STRAIGHT HEADWALLS

DIMENSIONS								REINFORCING STEEL										QUANTITIES *	
								F1=1'-0" DIA.		F2=1'-2" DIA.		H1=1'-2" DIA.		H2=1'-3" DIA.		V=1'-5" DIA.		CLASS 'A' CONC.=C.Y.	REINF. STEEL LBS.
D	AREA S.F.	T	H	L	E	B	C	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.		
15"	1.23	2'-1/4"	2'-5-1/4"	6'-8"	2'-2"	10"	6"	6	1'-10"	3	6'-9"	1	5'-8"	3	5'-3"	4	2'-8"	6	4'-3"	8.78	56
18"	1.77	2'-1/2"	2'-8-1/2"	7'-0"	2'-3"	11"	6"	8	1'-11"	3	7'-0"	1	6'-6"	3	5'-6"	4	2'-8"	8	4'-5"	10.98	78
24"	3.14	3"	3'-3"	9'-0"	2'-7"	1'-3"	6"	11	2'-2"	3	9'-2"	1	6'-8"	3	6'-8"	4	3'-1"	10	5'-1"	1.46	95
30"	4.76	3-1/2"	3'-9-1/2"	11'-8"	2'-10"	1'-4"	6"	11	2'-8"	3	11'-8"	1	10'-8"	3	8'-8"	6	3'-4"	12	5'-4"	2.88	122
36"	7.87	4"	4'-4"	14'-8"	3'-1"	1'-7"	8"	16	2'-9"	4	14'-8"	1	13'-8"	3	7'-8"	6	5'-0"	14	6'-4"	2.85	178
42"	9.62	4'-1/2"	4'-10-1/2"	16'-0"	3'-4"	1'-8"	10"	16	3'-0"	4	16'-0"	1	15'-0"	3	7'-0"	6	5'-0"	16	7'-0"	3.58	218

*FOR ONE HEADWALL

GENERAL NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF TULSA STANDARD SPECIFICATIONS.
2. ALL EXPOSED CONCRETE SURFACES SHALL HAVE A CARBORUNDUM FINISH.
3. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER.
4. REINFORCED CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-170 (ASTM C-76) CLASS III UNLESS OTHERWISE DESIGNATED.
5. MINIMUM DEPTH OF FILL OVER CULVERTS SHALL BE 1'-0" WITH 0" AT HEADWALL.
6. WALL THICKNESS DIMENSION "T" OF PIPES SHOWN ARE TAKEN FROM "WALL B" COLUMN OF ASTM AND AASHTO TABLES.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT
STANDARD PIPE HEADWALLS
15" TO 42"
DATE: MARCH 2022
STD.776



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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

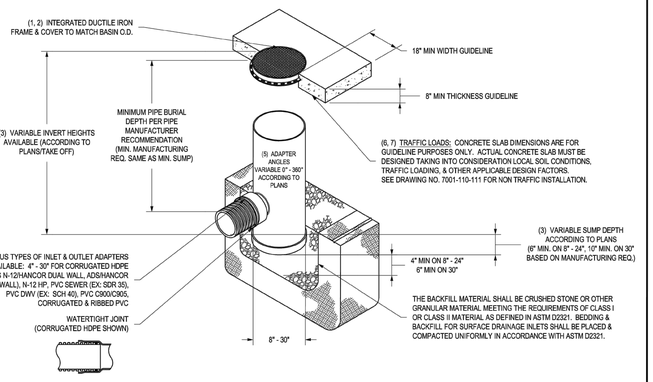
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

STORM SEWER DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3501
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

NYLOPLAST DRAIN BASIN WITH SOLID COVER



1 - 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8" & 10" SOLID COVERS FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWERS (4" - 24").
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6 - 12" - 30" SOLID COVERS SHALL MEET H-20 LOAD RATING.
7 - 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

DBC

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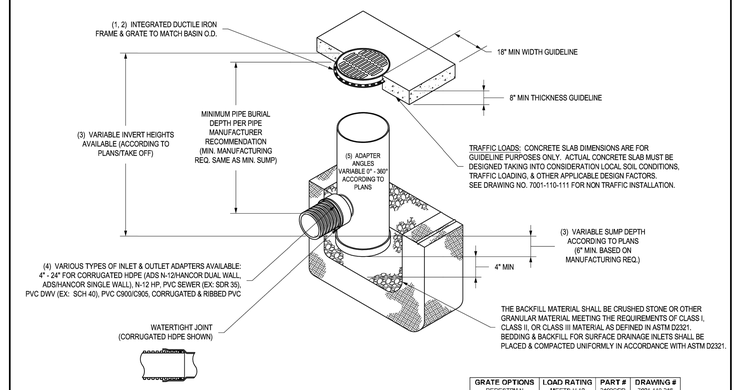
DRAWN BY EBC	MATERIAL	Nyloplast	3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
DATE 05-14-07			
REVISED BY CCA	PROJECT NO./NAME	TITLE	DRAIN BASIN WITH SOLID COVER QUICK SPEC INSTALLATION DETAIL
DATE 05-04-13			
DWG SIZE A	SCALE 1:40 SHEET 1 OF 1	DWG NO.	7001-110-208 REV C

NYLOPLAST 24" DRAIN BASIN: 2824AG _ _X



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	2499CGP	7001-110-216
STANDARD	MEETS H-20	2499CGS	7001-110-217
SOLID COVER	MEETS H-20	2499GSC	7001-110-218
DOME	N/A	2499CDD	7001-110-219
DROP IN GRATE	LIGHT DUTY	2407DI	7001-110-075

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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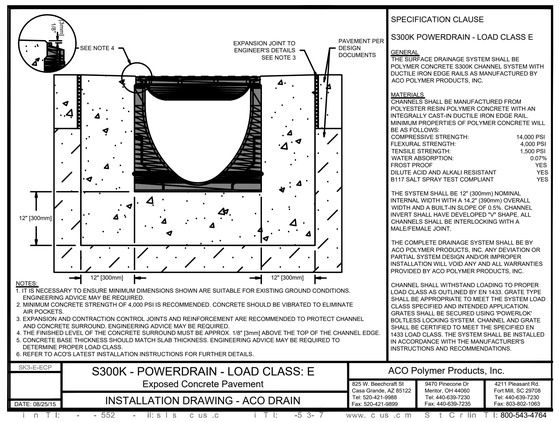
DRAWN BY EBC	MATERIAL	ADS Nyloplast	3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
DATE 04-03-06			
REVISED BY NMH	PROJECT NO./NAME	TITLE	24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
DATE 03-16-16			
DWG SIZE A	SCALE 1:40 SHEET 1 OF 1	DWG NO.	7001-110-192 REV E



NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. ENGINEERING ADVICE MAY BE REQUIRED.
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

S300K POWERDRAIN - LOAD CLASS E

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE S300K CHANNEL SYSTEM WITH DUCTILE IRON EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN DUCTILE IRON EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 12" (300mm) NOMINAL INTERNAL WIDTH WITH A 14.2" (390mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

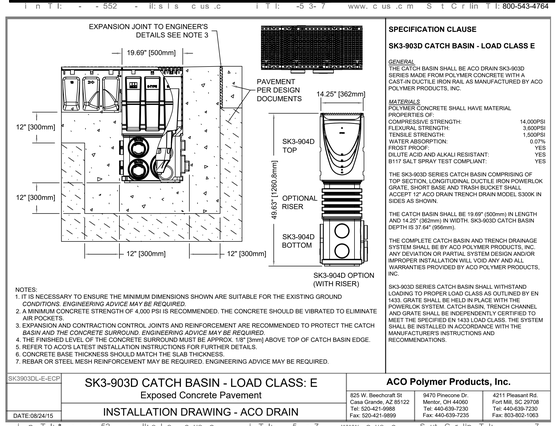
THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING "POWERLOK" BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

SK3-E-ECP	S300K - POWERDRAIN - LOAD CLASS: E Exposed Concrete Pavement	ACO Polymer Products, Inc.		
DATE: 06/25/15	INSTALLATION DRAWING - ACO DRAIN	825 W. Beechcroft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899	9470 Pinecone Dr Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235	4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 440-639-7230 Fax: 803-802-1063

Int'l: +-52 - 81-8153-6000 USA: 1-877-226-7355 www.aco.com Can: 1-800-543-4764

1 ACO SK3-903D CATCH BASIN - LOAD CLASS E
NTS



NOTES:
1. IT IS NECESSARY TO ENSURE THE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR THE EXISTING GROUND CONDITIONS. ENGINEERING ADVICE MAY BE REQUIRED.
2. A MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. THE CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT THE CATCH BASIN AND THE CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE TOP OF CATCH BASIN EDGE.
5. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.
6. CONCRETE BASE THICKNESS SHOULD MATCH THE SLAB THICKNESS.
7. REBAR OR STEEL MESH REINFORCEMENT MAY BE REQUIRED. ENGINEERING ADVICE MAY BE REQUIRED.

SPECIFICATION CLAUSE

SK3-903D CATCH BASIN - LOAD CLASS E

GENERAL
THE CATCH BASIN SHALL BE ACO DRAIN SK3-903D SERIES MADE FROM POLYMER CONCRETE WITH A CAST-IN DUCTILE IRON RAIL AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
POLYMER CONCRETE SHALL HAVE MATERIAL PROPERTIES OF:

COMPRESSIVE STRENGTH:	14,000PSI
FLEXURAL STRENGTH:	3,000PSI
TENSILE STRENGTH:	1,500PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
B117 SALT SPRAY TEST COMPLIANT:	YES

THE SK3-903D SERIES CATCH BASIN COMPRISING OF TOP SECTION, LONGITUDINAL DUCTILE IRON POWERLOK GRATE, SHORT BASE AND TRASH BUCKET SHALL ACCEPT 12" ACO DRAIN TRENCH DRAIN MODEL S300K IN SIDES AS SHOWN.

THE CATCH BASIN SHALL BE 19.69" (500mm) IN LENGTH AND 14.25" (362mm) IN WIDTH. SK3-903D CATCH BASIN DEPTH IS 37.64" (956mm).

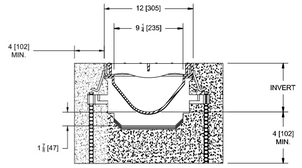
THE COMPLETE CATCH BASIN AND TRENCH DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

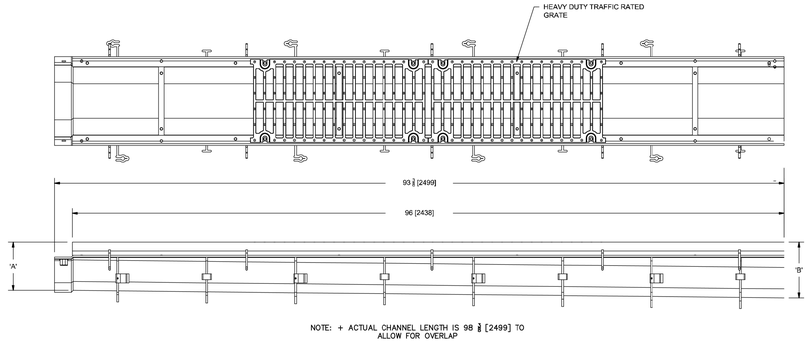
SK3-903D SERIES CATCH BASIN SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE SHALL BE HELD IN PLACE WITH THE POWERLOK SYSTEM. CATCH BASIN, TRENCH CHANNEL AND GRATE SHALL BE INDEPENDENTLY CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

SK3903DL-IE-ECP	SK3-903D CATCH BASIN - LOAD CLASS: E Exposed Concrete Pavement	ACO Polymer Products, Inc.		
DATE: 08/24/15	INSTALLATION DRAWING - ACO DRAIN	825 W. Beechcroft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899	9470 Pinecone Dr. Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235	4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 440-639-7230 Fax: 803-802-1063

Int'l: +-52 - 81-8153-6000 USA: 1-877-226-7355 www.aco.com Can: 1-800-543-4764

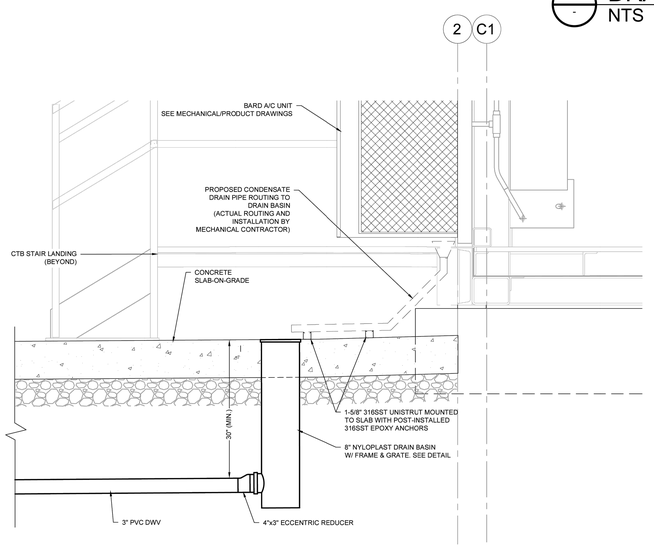
TRENCH NO	'A' SHALLOW INV.	'B' DEEP INV.	FLOW		
			cfs	(gpm)	(lps)
8201	6.25 [159]	7.25 [184]	1.24	57	35
8202	7.25 [184]	8.25 [210]	1.73	774	49
8203	8.25 [210]	9.25 [235]	2.23	999	63
8203N	9.25 [235]	9.25 [235]	-	-	-
8204	9.25 [235]	10.25 [260]	2.75	1232	78
8205	10.25 [260]	11.25 [286]	3.27	1468	93
8206	11.25 [286]	12.25 [311]	3.81	1709	108
8206N	12.25 [311]	12.25 [311]	-	-	-
8207	12.25 [311]	13.25 [337]	4.35	1951	123
8208	13.25 [337]	14.25 [362]	4.89	2196	139
8209	14.25 [362]	15.25 [387]	5.44	2443	155
8209N	15.25 [387]	15.25 [387]	-	-	-
8210	15.25 [387]	16.25 [413]	6.00	2691	170
8211	16.25 [413]	17.25 [438]	6.55	2949	186
8212	17.25 [438]	18.25 [464]	7.11	3199	202





NOTE: + ACTUAL CHANNEL LENGTH IS 98 3/4 [2499] TO ALLOW FOR OVERLAP

2 DRAIN BASIN AT BARD A/C UNIT DISCHARGE
NTS



3 DRAIN BASIN AT BARD A/C UNIT DISCHARGE
NTS

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HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

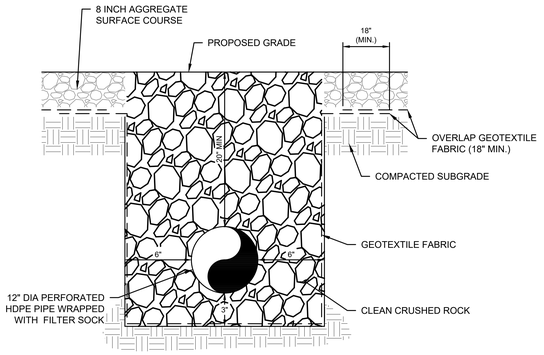
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS: CONFIDENTIAL, OK
PROJ. NO.: 10434525

STORM SEWER DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3502
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

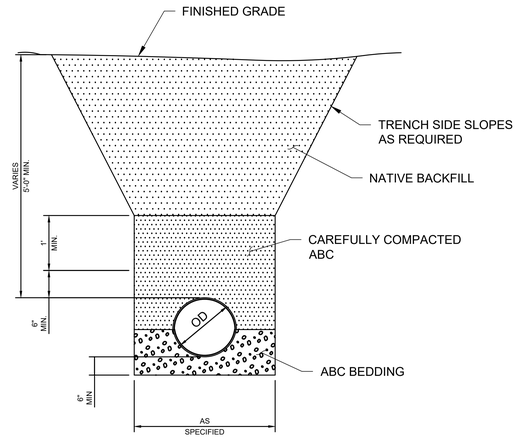


PROFILE

NOTES:

1. TIE ALL UNDERDRAINS INTO INLETS AND INSTALL RODENT GUARDS. RODENT GUARDS SUBSIDIARY TO UNDERDRAINS.

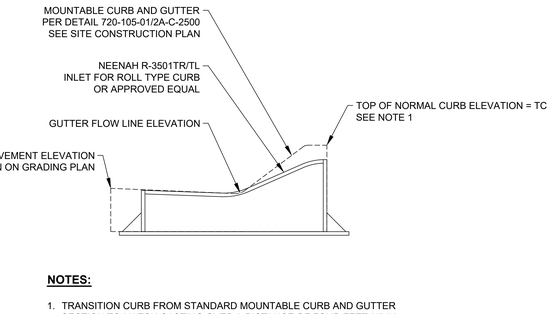
1 - PERFORATED UNDERDRAIN LAYOUT
NTS



NOTES:

1. OD = OUTSIDE DIAMETER OF PIPE

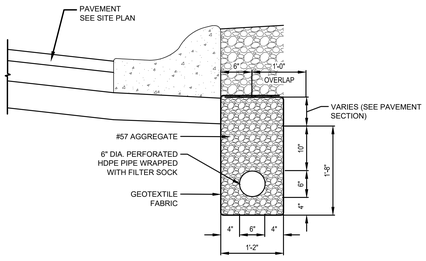
2 - FLEXIBLE PIPE BEDDING
NTS



NOTES:

1. TRANSITION CURB FROM STANDARD MOUNTABLE CURB AND GUTTER SECTION TO MATCH CASTING OVER A DISTANCE OF FOUR FEET (4') IN EITHER DIRECTION.

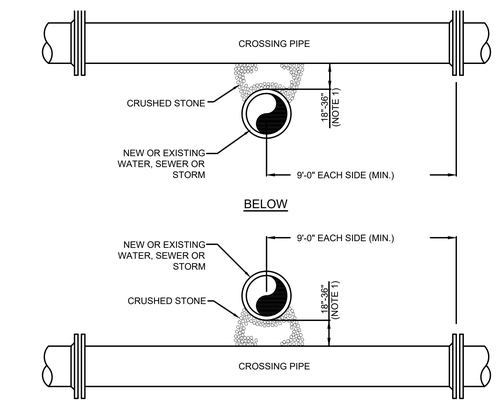
3 - MOUNTABLE CURB AND GUTTER INLET
NTS



NOTES:

1. TIE ALL UNDERDRAINS INTO INLETS AND INSTALL RODENT GUARDS. RODENT GUARDS SUBSIDIARY TO UNDERDRAINS.
2. THE UNDERDRAIN TRENCH SHALL NOT BE CONSTRUCTED BEFORE PLACEMENT OF THE BASE (SUBBASE) COURSE.
3. WHERE USING OPEN-GRADED MATERIAL (CLASS I WITH LITTLE FINES FOR EXAMPLE) IN ANY FILL ZONE, ADDITIONAL PRECAUTION MUST BE TAKEN TO REDUCE OR ELIMINATE THE RISK OF MIGRATION OF FINES FROM ADJACENT MATERIAL. PRECAUTIONARY STEPS COULD INCLUDE THE USE OF GEOTEXTILE BETWEEN THE VARYING FILL MATERIALS, GRADATION SELECTION TO PREVENT THE MIGRATION OF FINES, OR OTHER PRECAUTIONARY MEASURES.

4 - MOUNTABLE CURB & GUTTER W/ PERFORATED UNDERDRAIN
NTS



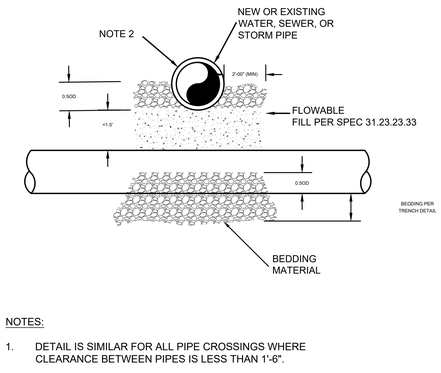
BELOW

ABOVE

NOTES:

1. WHEN DISTANCE OF 18" OR MORE IS NOT POSSIBLE, USE MIN. CLEARANCE PIPE CROSSING DETAIL.
2. WHEN WATER LINE IS NEW, PROVIDE A FULL JOINT OF PIPE FOR BOTH LINES CENTERED AT CROSSING.
3. LOCATE SEWER BELOW WATER LINE.

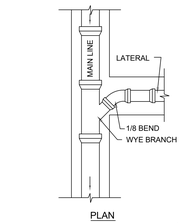
5 - UTILITY CROSSING
NTS



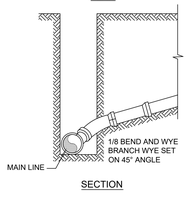
NOTES:

1. DETAIL IS SIMILAR FOR ALL PIPE CROSSINGS WHERE CLEARANCE BETWEEN PIPES IS LESS THAN 1'-6".
2. PROVIDE DOUBLE POLYETHYLENE WRAP AROUND ALL DUCTILE IRON PIPE. WRAP TO EXTEND 5'-0" PAST EACH SIDE OF THE FLOWABLE FILL.

6 - MIN. CLEARANCE PIPE CROSSING
NTS



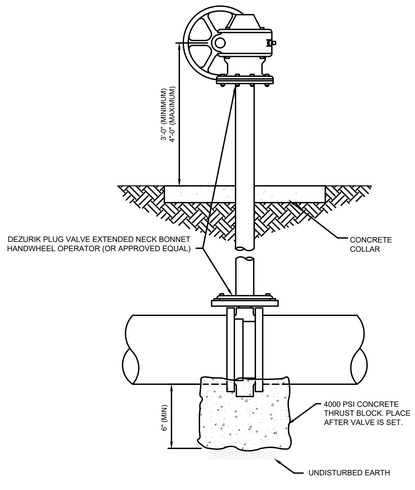
PLAN



SECTION

NOTE:
1. TIE-IN STRUCTURES MAY VARY FROM DETAIL ABOVE; SEE PLANS FOR STRUCTURE TYPES.

7 - LATERAL CONNECTION
NTS



8 - BURIED VALVE W/ EXTENDED BONNET HANDWHEEL OPERATOR
NTS

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

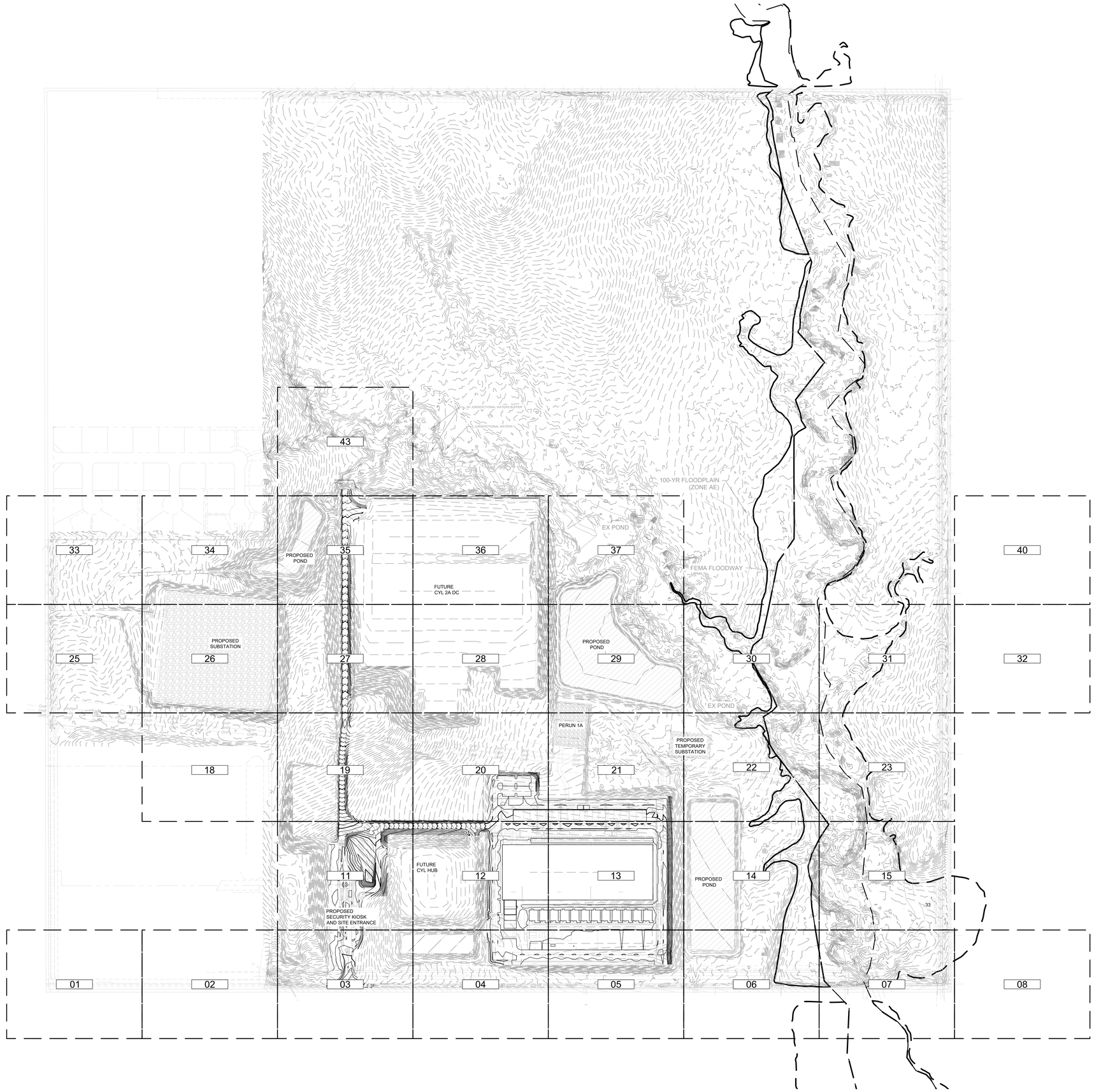
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
CONFIDENTIAL, OK
PROJ. NO.: 10434525

STORM SEWER DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-3503
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\06006579\00_CYL\Project Files\00_Civil\SPS\03_Production-DWG\SCYL-1A-C-4000 EROSION CONTROL PLAN - OVERALL 6/20/2025 7:38 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

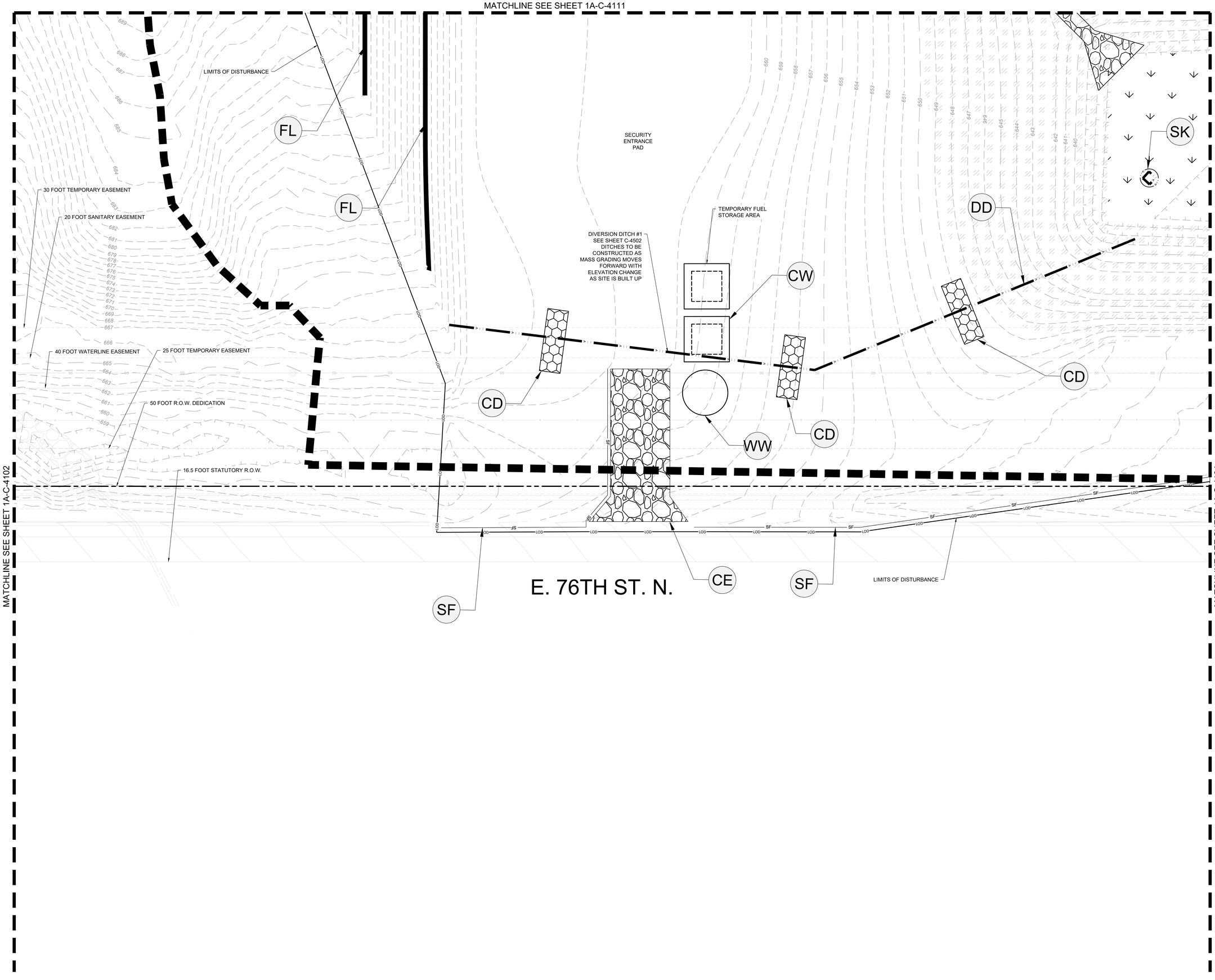
PROJ. NO.: 10434525

EROSION CONTROL PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4100

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4103
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4112

MATCHLINE SEE SHEET 1A-C-4103

MATCHLINE SEE SHEET 1A-C-4105

CYL HUB1A SEDIMENT BASIN
BOTTOM OF BASIN VARIES

CYL DC1A BUILDING PAD

SK

SB

SK

FR

E2

SF

FL

IP

IP

40 FOOT WATERLINE EASEMENT

25 FOOT TEMPORARY EASEMENT

E. 76TH ST. N.

16.5 FOOT STATUTORY R.O.W.

50 FOOT R.O.W. DEDICATION

LIMITS OF DISTURBANCE

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4113

CYL DC1A BUILDING PAD

CD

CD

SD

642

642
641
640
639
638
637
636
635
634
633
632
631
630
629
628
627
626

FL

SF

LOD

SF

LOD

20 FOOT SANITARY EASEMENT

30 FOOT TEMPORARY EASEMENT

IP

E. 76TH ST. N.

LIMITS OF DISTURBANCE

IP

MATCHLINE SEE SHEET 1A-C-4104

MATCHLINE SEE SHEET 1A-C-4106

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

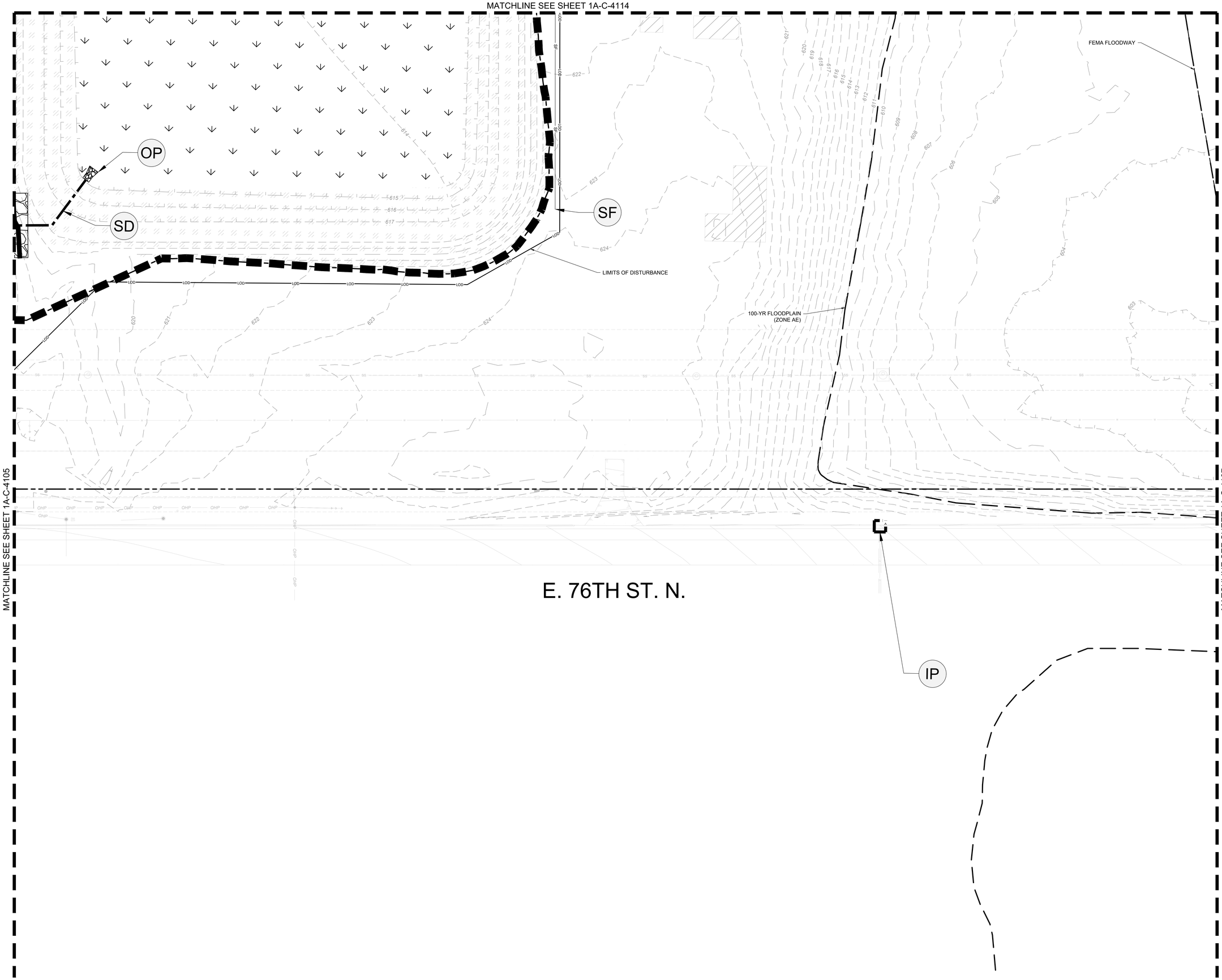
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4114



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

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SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

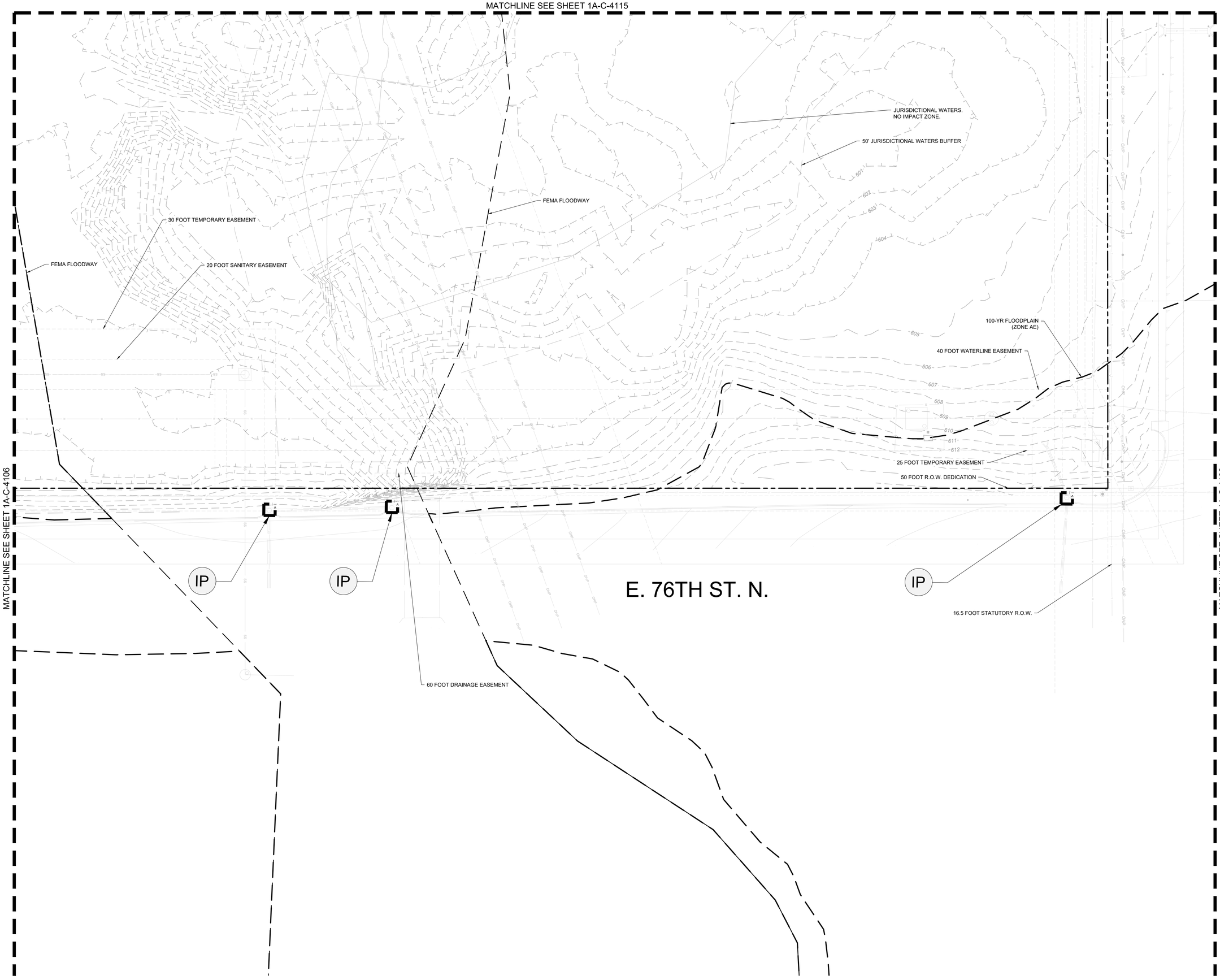
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4106
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4106 EROSION CONTROL PLAN 6/19/2025 6:16 PM

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
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SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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2025-08-18

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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

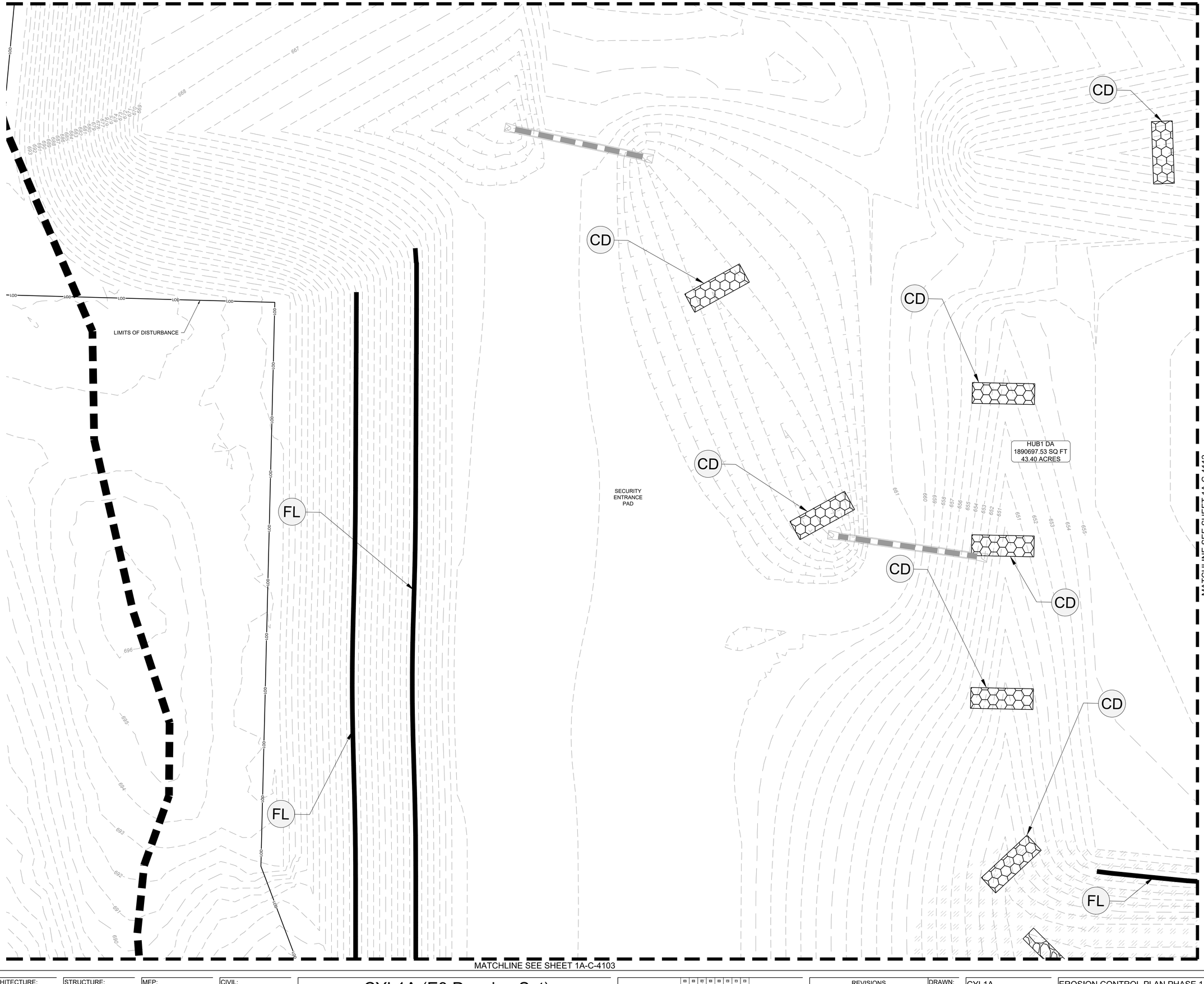
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4107

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4119



MATCHLINE SEE SHEET 1A-C-4112

MATCHLINE SEE SHEET 1A-C-4103

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
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SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
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SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\06006579000_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

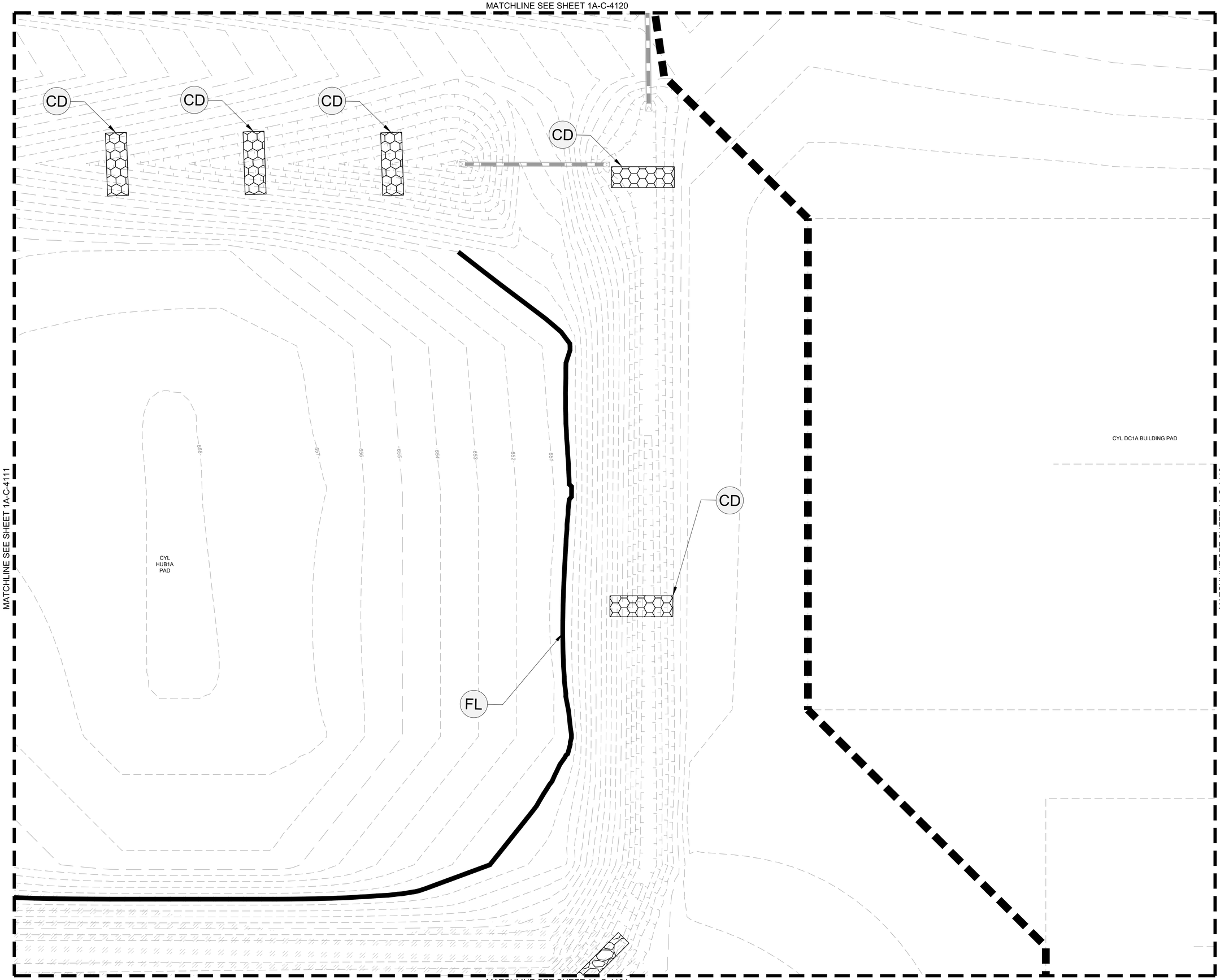
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4111
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4120



MATCHLINE SEE SHEET 1A-C-4111

MATCHLINE SEE SHEET 1A-C-4113

MATCHLINE SEE SHEET 1A-C-4104

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4121

MATCHLINE SEE SHEET 1A-C-4112

MATCHLINE SEE SHEET1A-C-4114

639

640

641

642

643

644

DC1 DA
1512468.97 SQ FT
34.72 ACRES

CYL DC1A BUILDING PAD

FL

FL

CD

CD

SD

MATCHLINE SEE SHEET 1A-C-4105

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\8600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

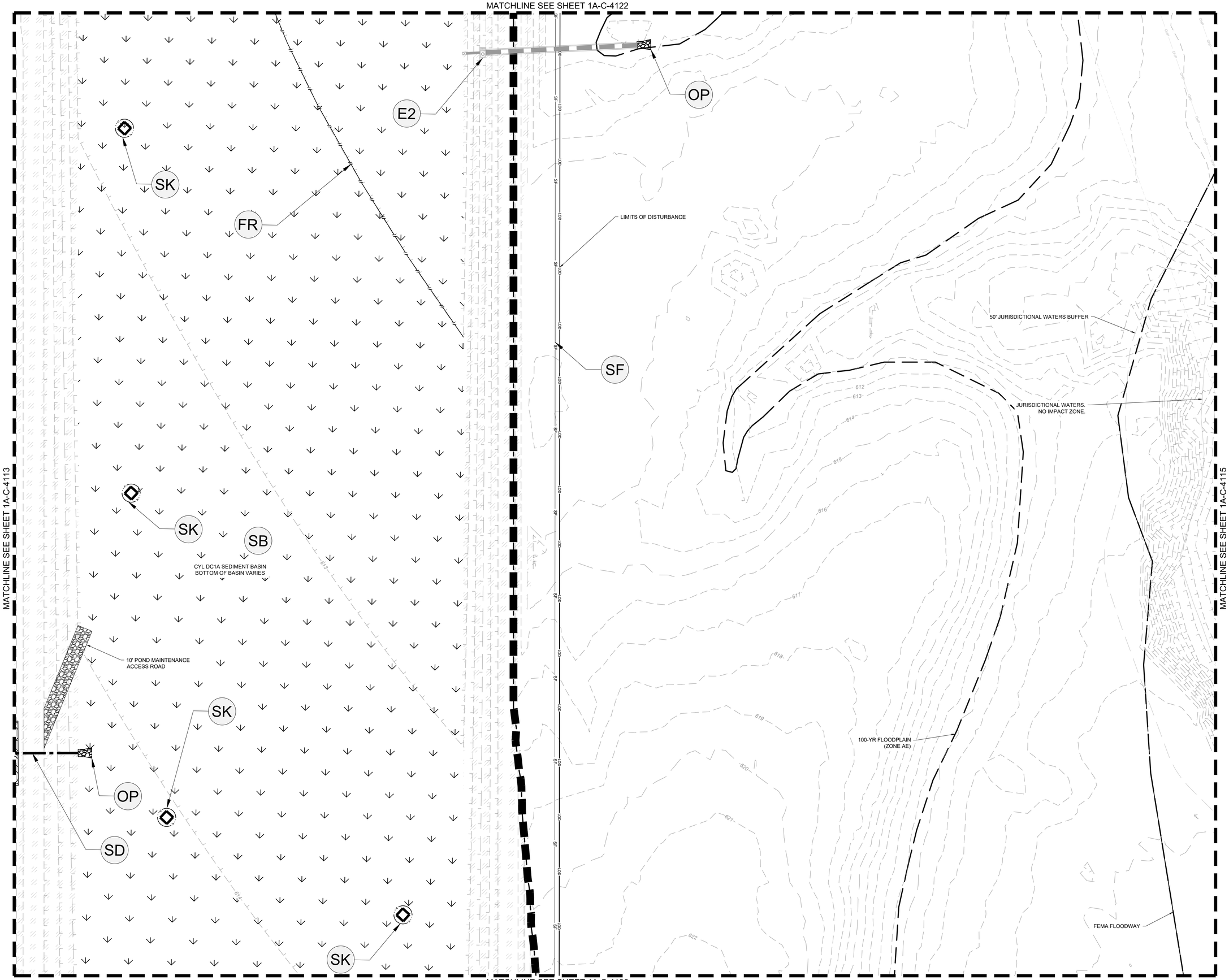
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4122



MATCHLINE SEE SHEET 1A-C-4113

MATCHLINE SEE SHEET 1A-C-4115

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-4106

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

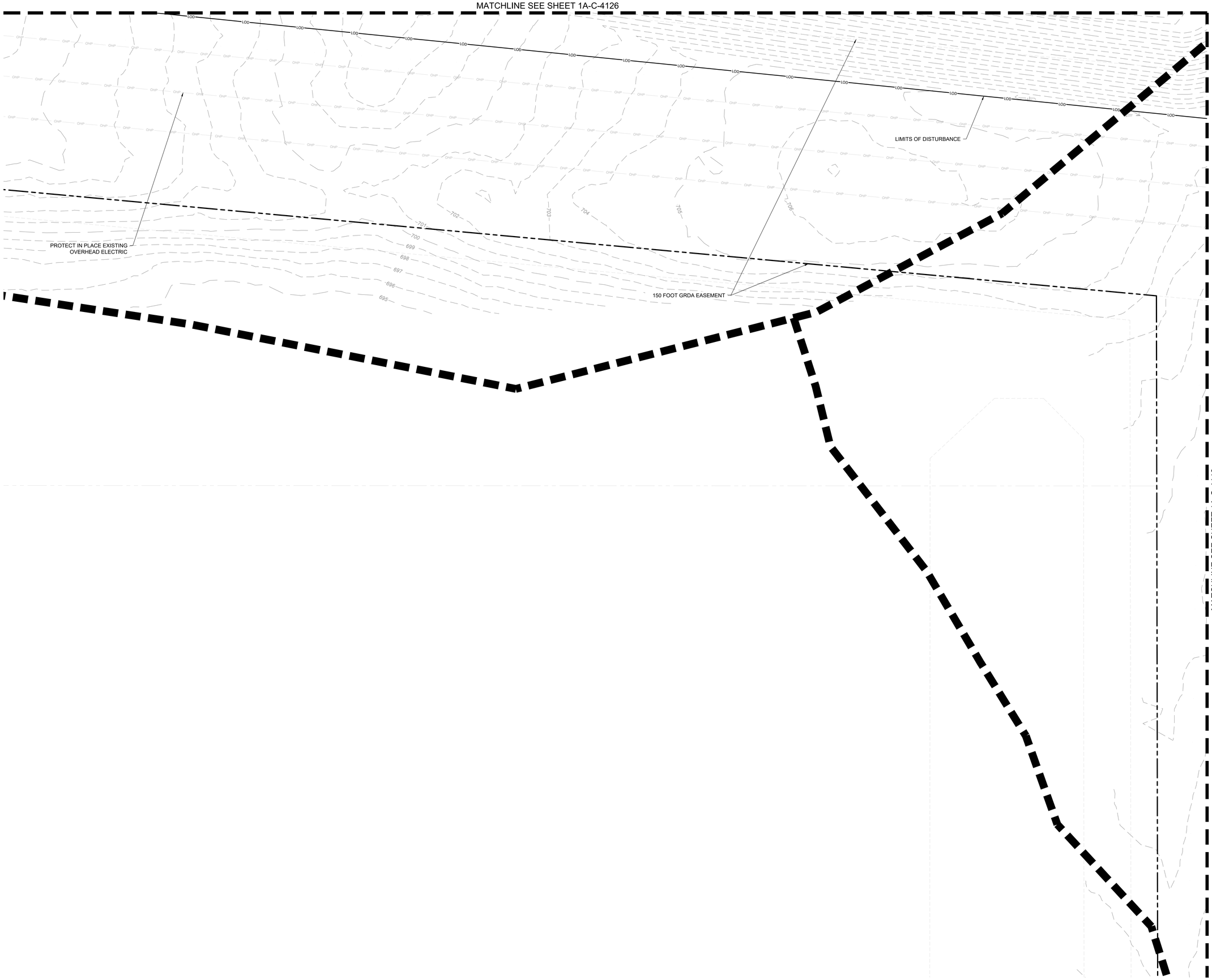
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4114

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4126



MATCHLINE SEE SHEET 1A-C-4119

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4118

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4127

MATCHLINE SEE SHEET 1A-C-4118

MATCHLINE SEE SHEET 1A-C-4120

MATCHLINE SEE SHEET 1A-C-4111

PROTECT IN PLACE EXISTING OVERHEAD ELECTRIC POWER POLE (TYP.)

150 FOOT GRDA EASEMENT

LIMITS OF DISTURBANCE

FL

CD

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
Name
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

RED2A CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN: RED2A
APPRV'D:

PROJECT ADDRESS:
CONFIDENTIAL, OK
PROJ. NO.: 060057900

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4119

PAPER SIZE: E (36"x48")
PHASE: 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4128



MATCHLINE SEE SHEET 1A-C-4119

MATCHLINE SEE SHEET 1A-C-4121

MATCHLINE SEE SHEET 1A-C-4112

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'

SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

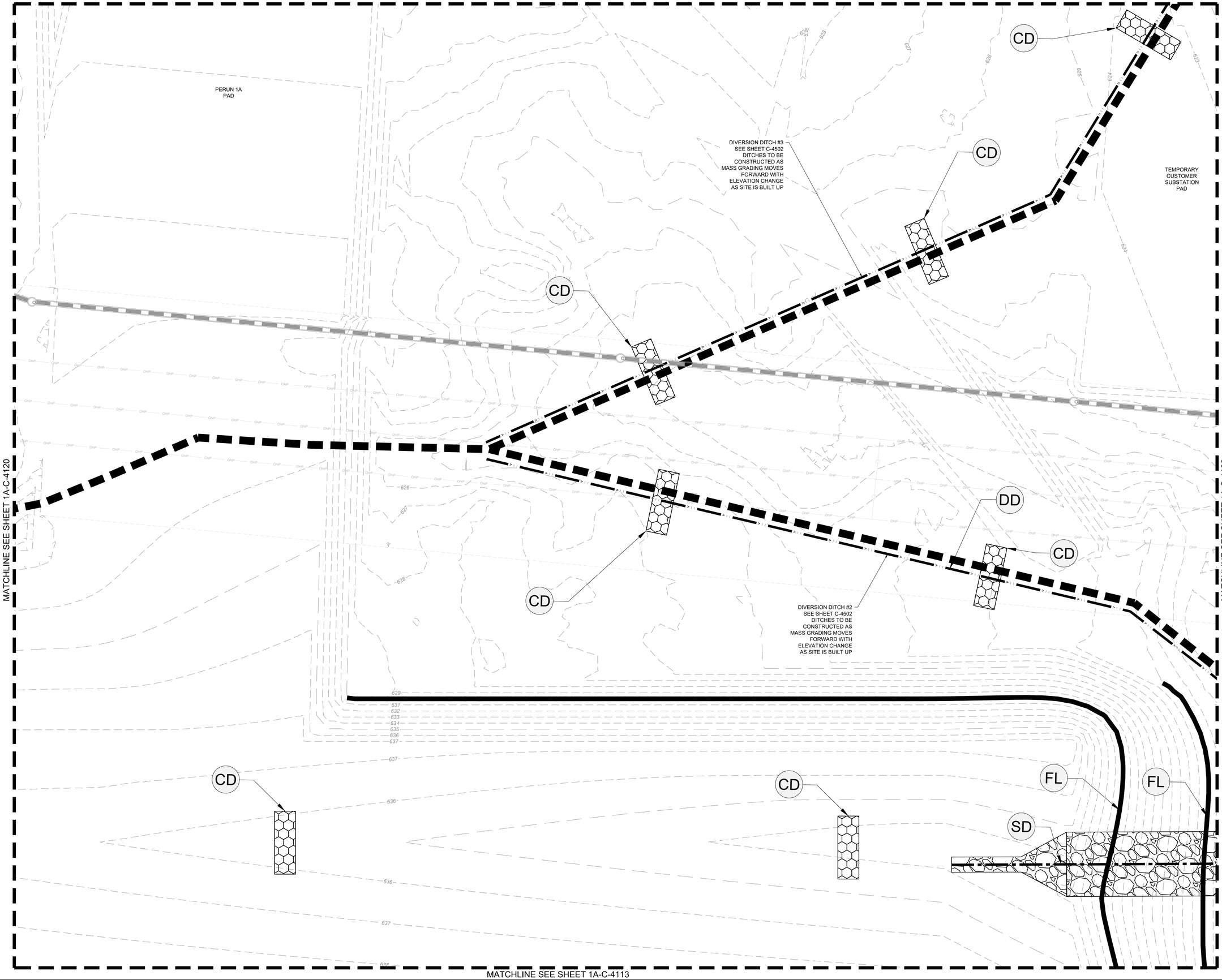
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4129



MATCHLINE SEE SHEET 1A-C-4120

MATCHLINE SEE SHEET 1A-C-4122

MATCHLINE SEE SHEET 1A-C-4113

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\8600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4101 EROSION CONTROL PLAN 6/19/2025 6:08 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4121

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4130

MATCHLINE SEE SHEET 1A-C-4121

MATCHLINE SEE SHEET 1A-C-4123

MATCHLINE SEE SHEET 1A-C-4114

EX. POND

LIMITS OF DISTURBANCE

50' JURISDICTIONAL WATERS BUFFER

JURISDICTIONAL WATERS.
NO IMPACT ZONE.

FEMA FLOODWAY

100-YR FLOODPLAIN
(ZONE AE)

DIVERSION DITCH #2
SEE SHEET C-4502
DITCHES TO BE
CONSTRUCTED AS
MASS GRADING MOVES
FORWARD WITH
ELEVATION CHANGE
AS SITE IS BUILT UP

SF

CD

SD

OP

SK

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
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SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

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SCALE IN FEET

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ARCHITECTURE:
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STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

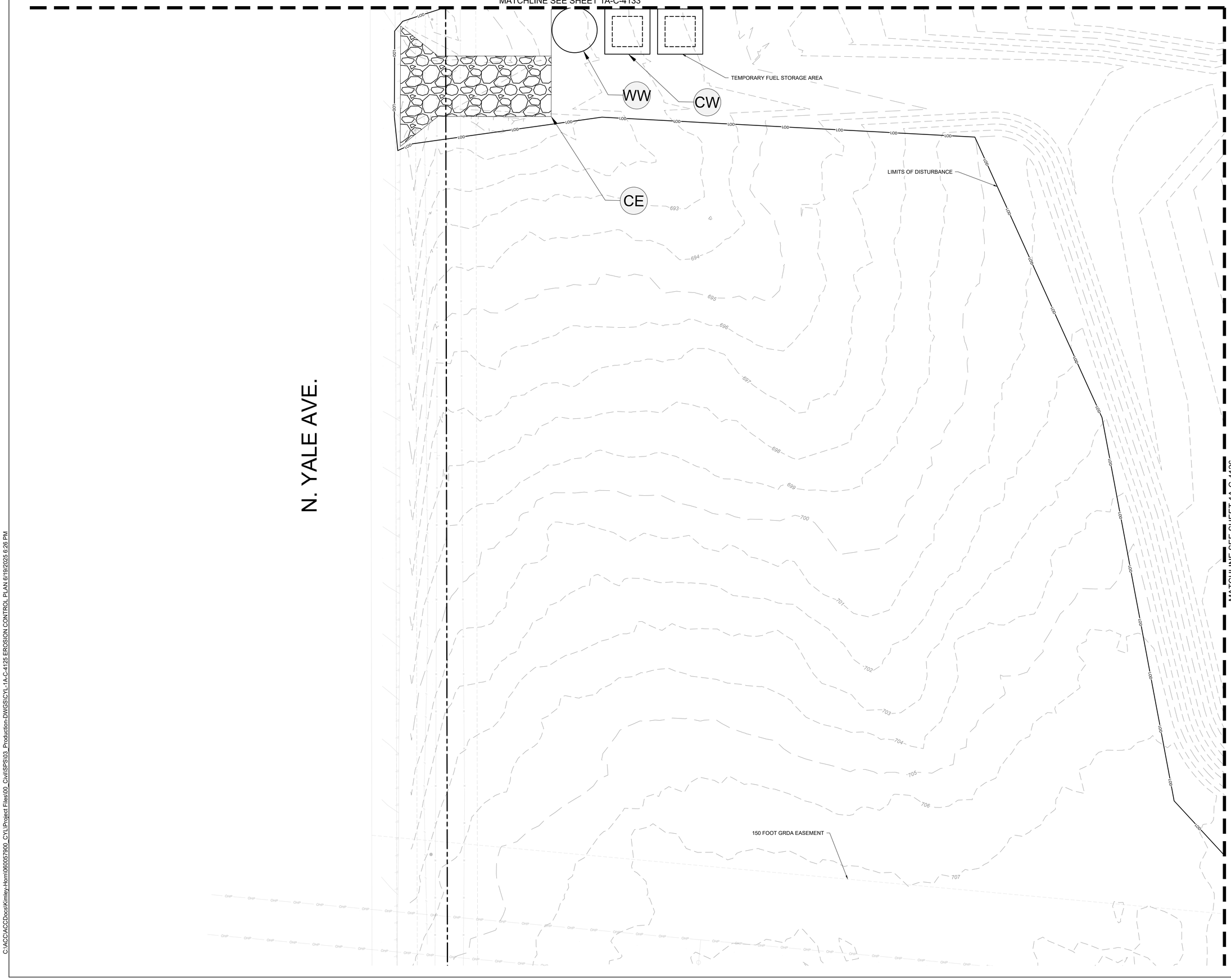
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4133



MATCHLINE SEE SHEET 1A-C-4126

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
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EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

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SCALE IN FEET

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ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4125

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4134

MATCHLINE SEE SHEET 1A-C-4125

MATCHLINE SEE SHEET 1A-C-4127

CENTRALIZED
SUBSTATION PAD

LIMITS OF DISTURBANCE

100'

100'

100'

100'

691

690

689

688

687

MATCHLINE SEE SHEET 1A-C-4118

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

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DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

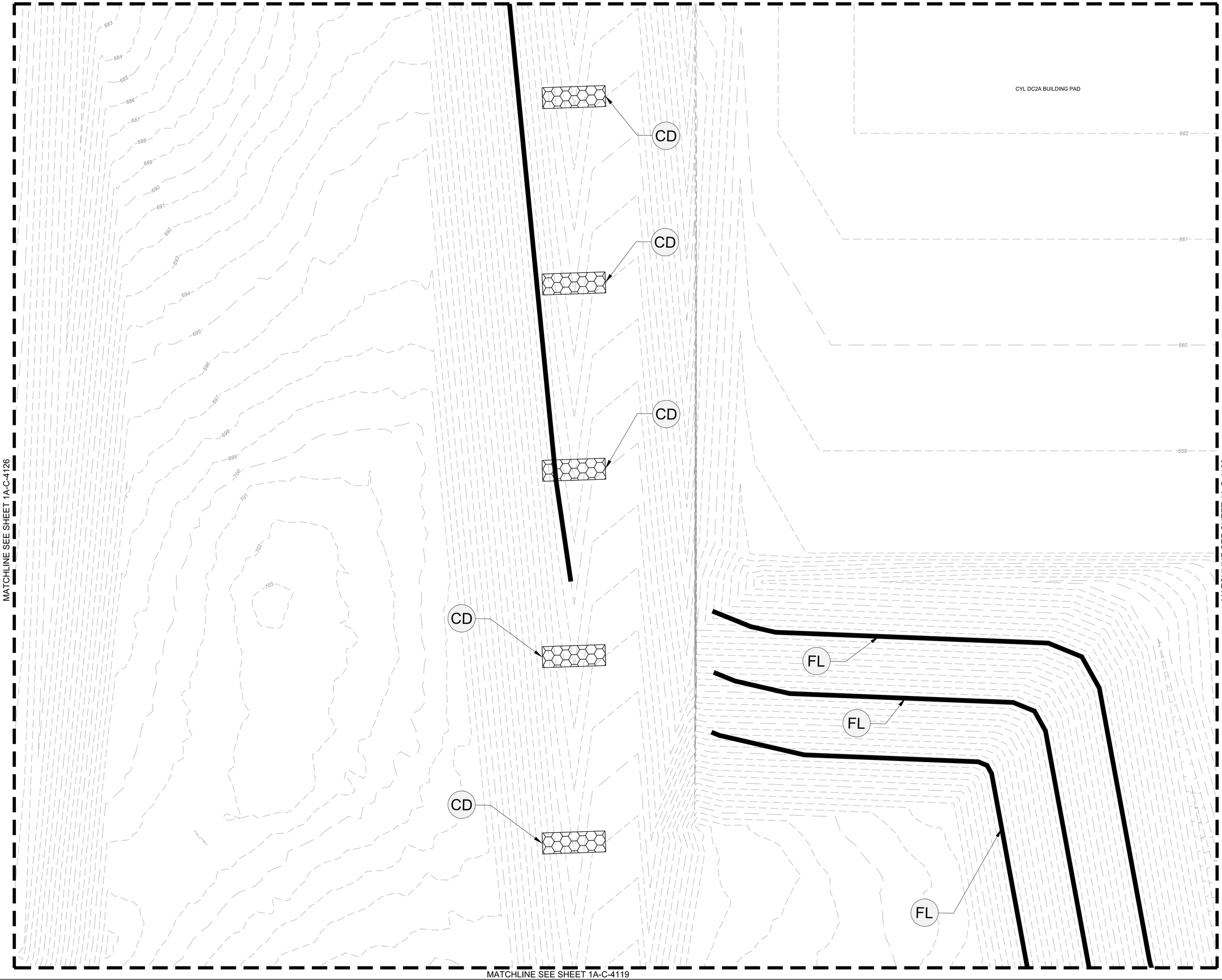
EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4126

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4135



MATCHLINE SEE SHEET 1A-C-4126

MATCHLINE SEE SHEET 1A-C-4128

MATCHLINE SEE SHEET 1A-C-4119

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

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C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

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NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

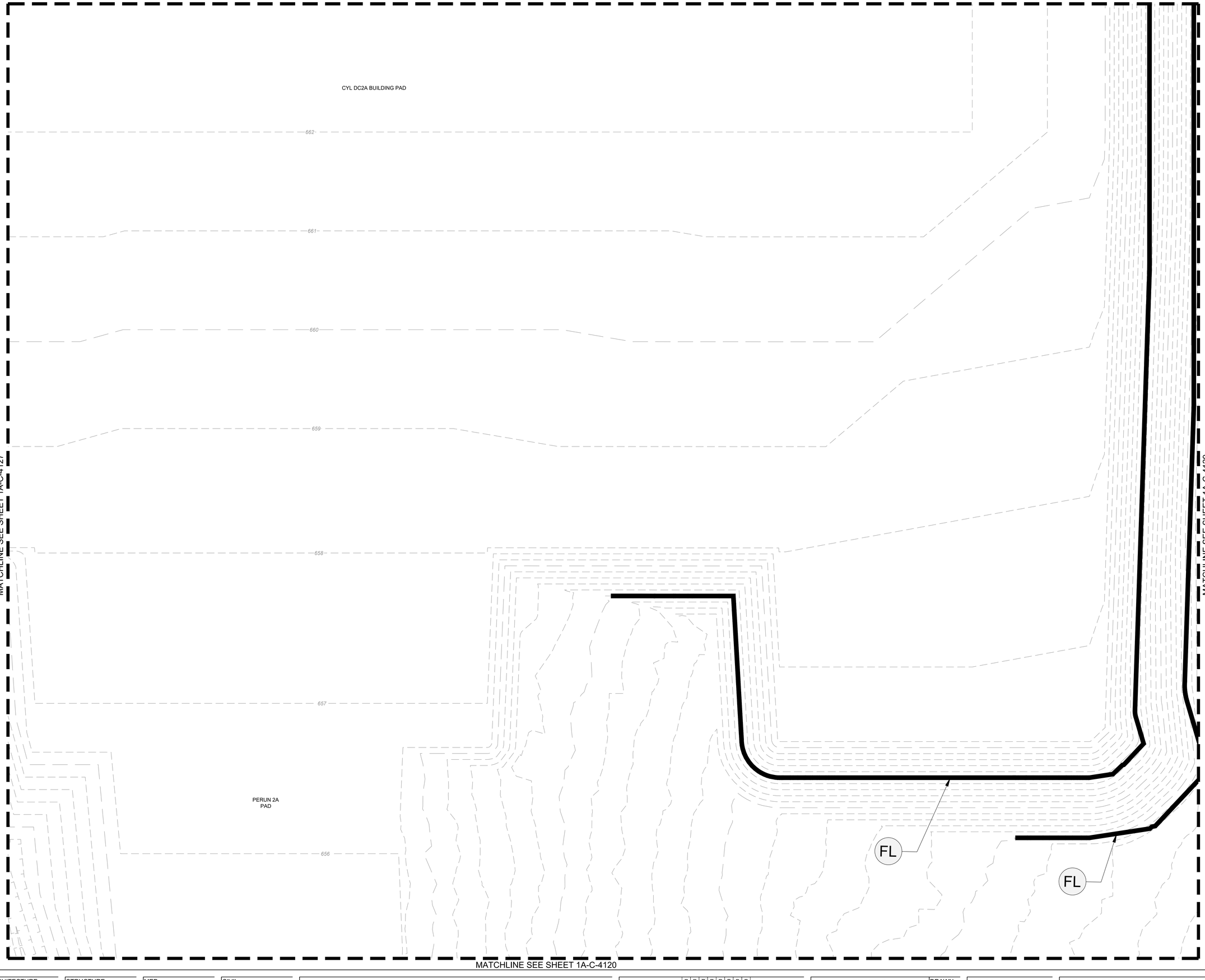
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4127

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
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SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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KEYPLAN

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DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4128

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4137

MATCHLINE SEE SHEET 1A-C-4128

MATCHLINE SEE SHEET 1A-C-4130

MATCHLINE SEE SHEET 1A-C-4121

SK

FL

SB

. CYL DC2A SEDIMENT BASIN
BOTTOM OF BASIN VARIES

OP

E2

FR

SK

SK

SK

DIVERSION DITCH #3
SEE SHEET C-4502
DITCHES TO BE
CONSTRUCTED AS
MASS GRADING MOVES
FORWARD WITH
ELEVATION CHANGE
AS SITE IS BUILT UP

10' POND MAINTENANCE
ACCESS ROAD

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EXISTING MINOR CONTOUR (1' INTERVAL)	201
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EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
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APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

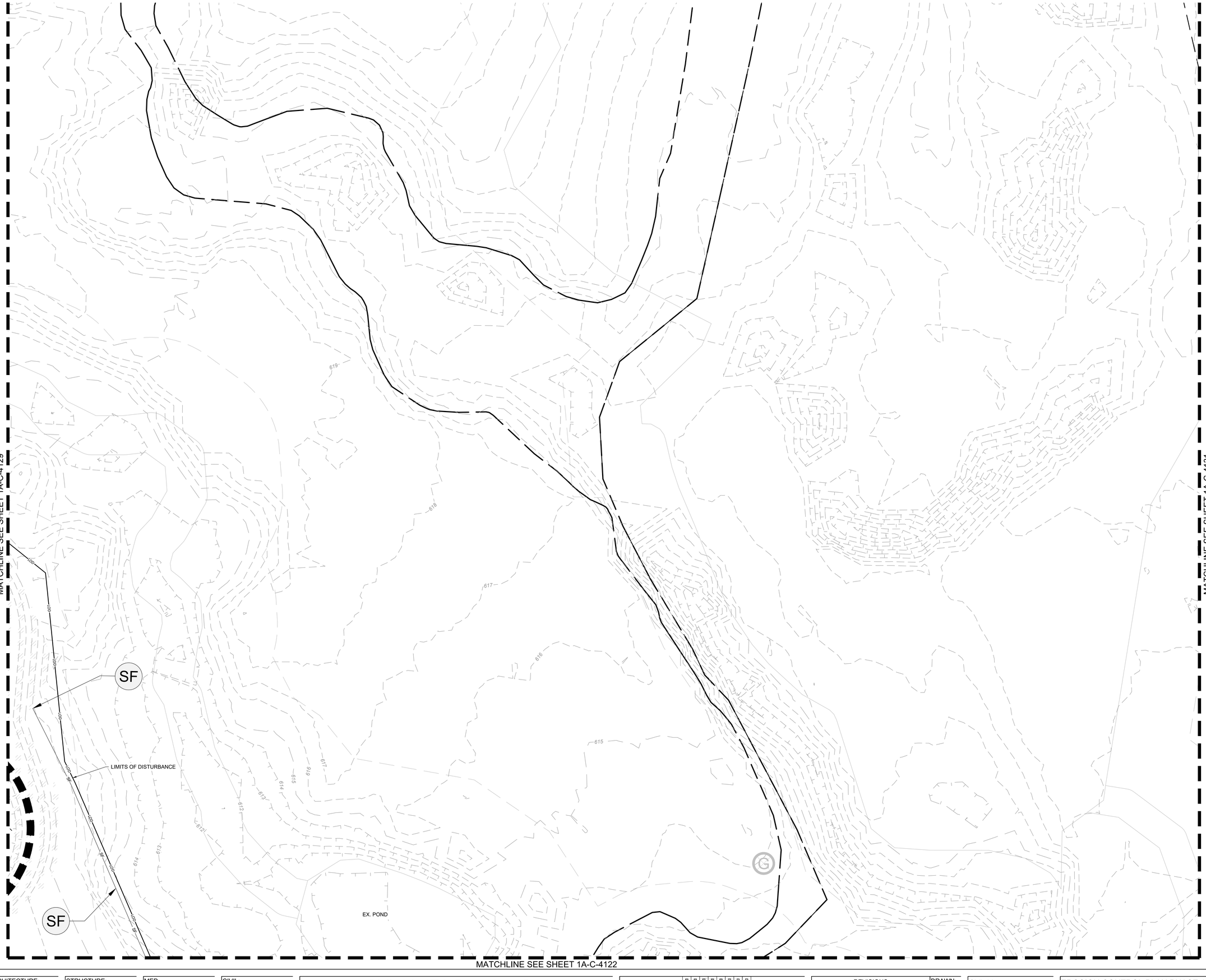
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4129

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4106 EROSION CONTROL PLAN 6/19/2025 6:16 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
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STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4130

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4140

N. SHERIDAN RD.

MATCHLINE SEE SHEET 1A-C-4131

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4106 EROSION CONTROL PLAN 6/19/2025 6:16 PM

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'

SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4132

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

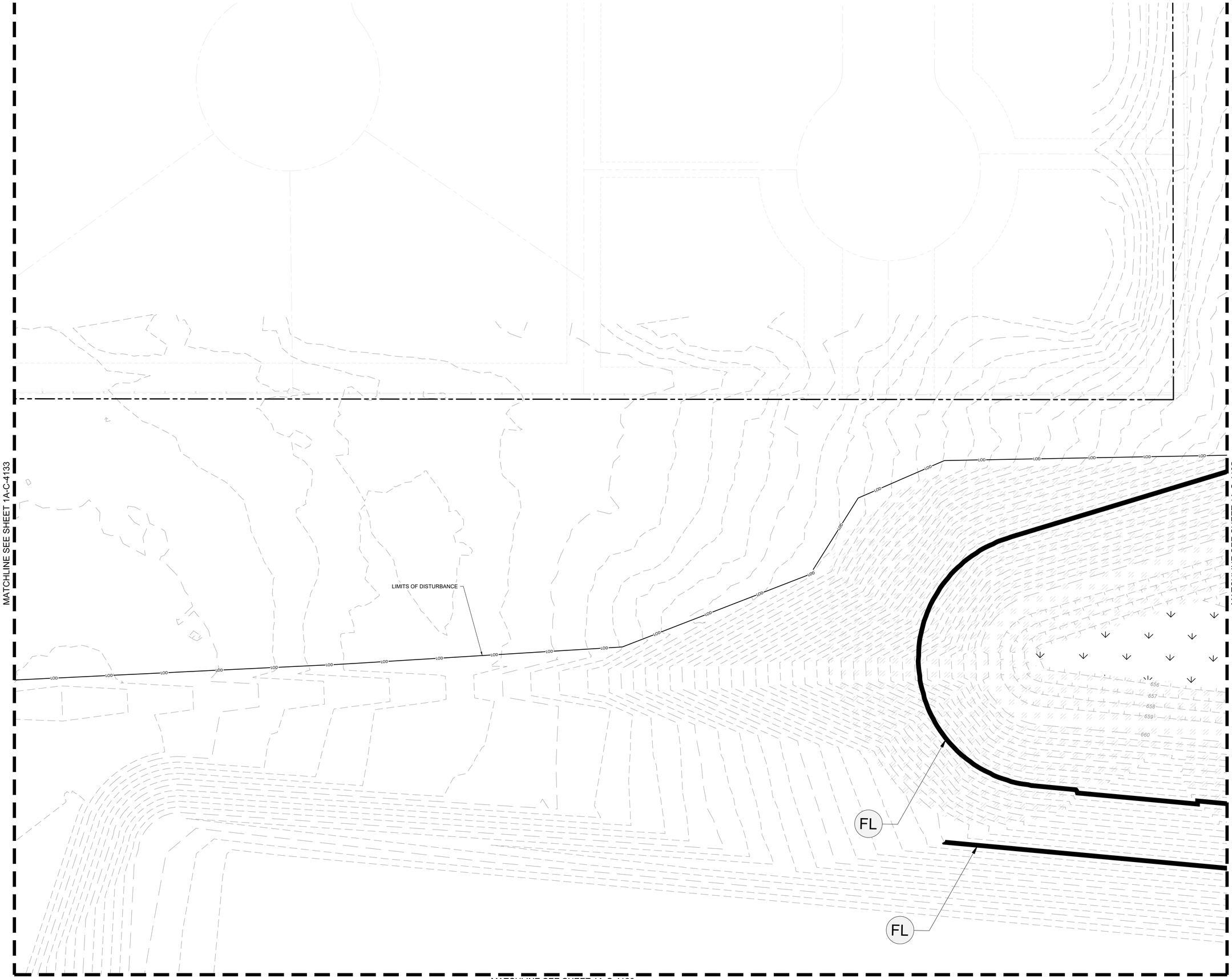
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4133

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWG\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

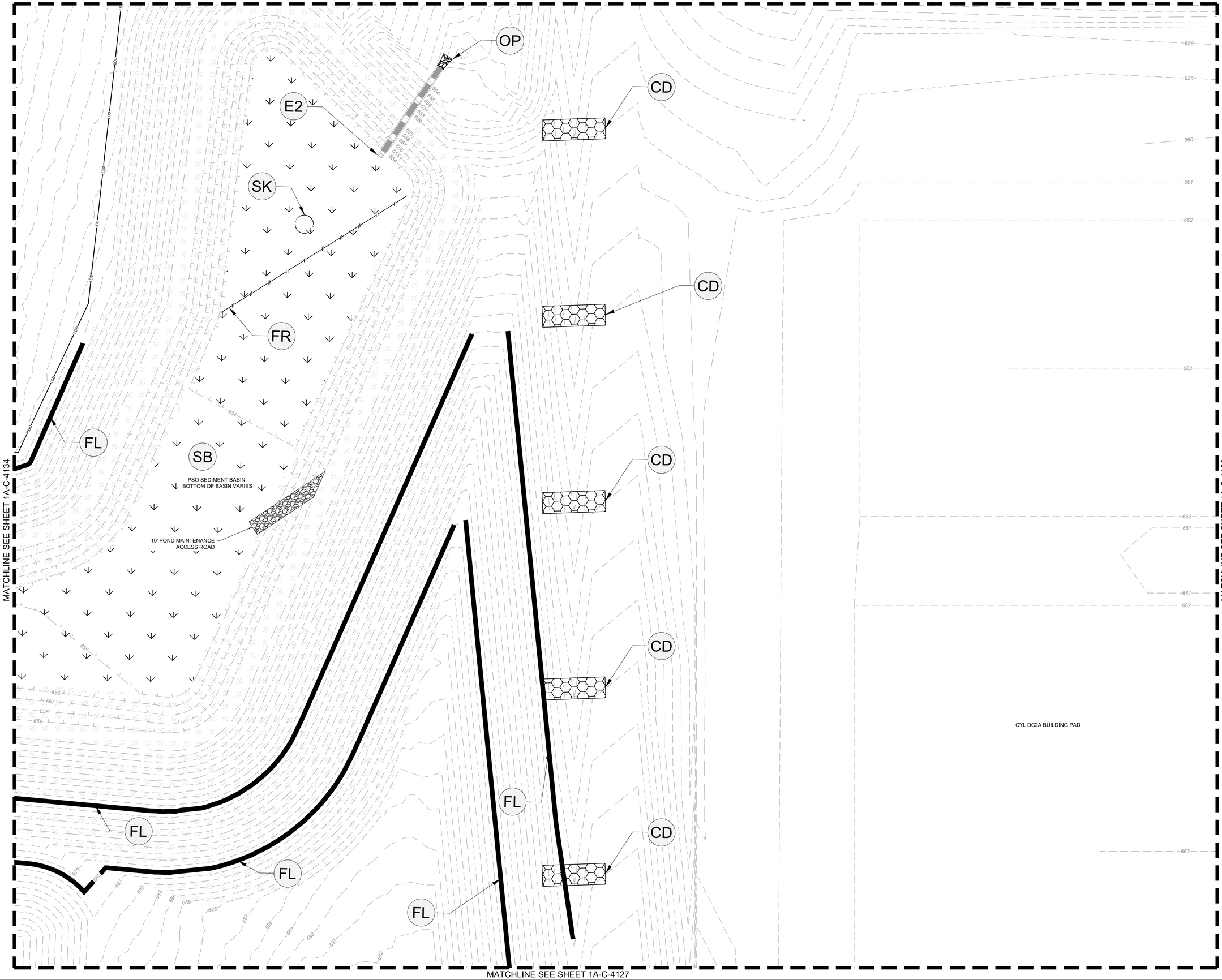
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4134
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4143



MATCHLINE SEE SHEET 1A-C-4134

MATCHLINE SEE SHEET 1A-C-4136

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-4127

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

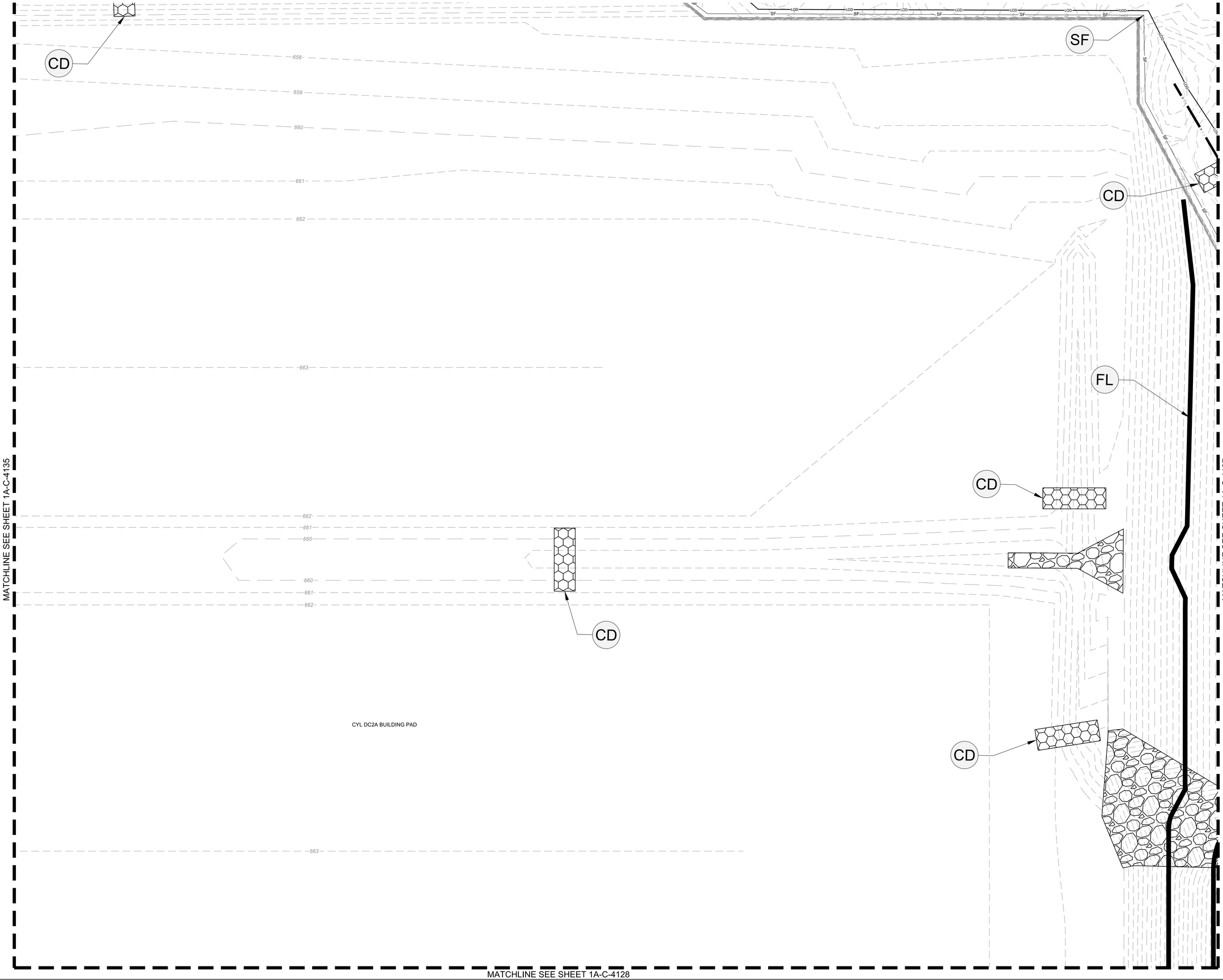
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:28 PM

ARCHITECTURE:
HDR Architecture, Inc.
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4136

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4145

MATCHLINE SEE SHEET 1A-C-4137



MATCHLINE SEE SHEET 1A-C-4129

EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
2. INSTALL CONSTRUCTION EXITS, TIRE WASH DOWN & FUEL STORAGE AREAS.
3. INSTALL PERIMETER EROSION CONTROL DEVICES AND INLET PROTECTION BMP'S.
4. BEGIN CLEARING AND GRUBBING STABILIZE DISTURBED AREA IMMEDIATELY WITH VEGETATIVE BMP'S.
5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4106 EROSION CONTROL PLAN 6/19/2025 6:16 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

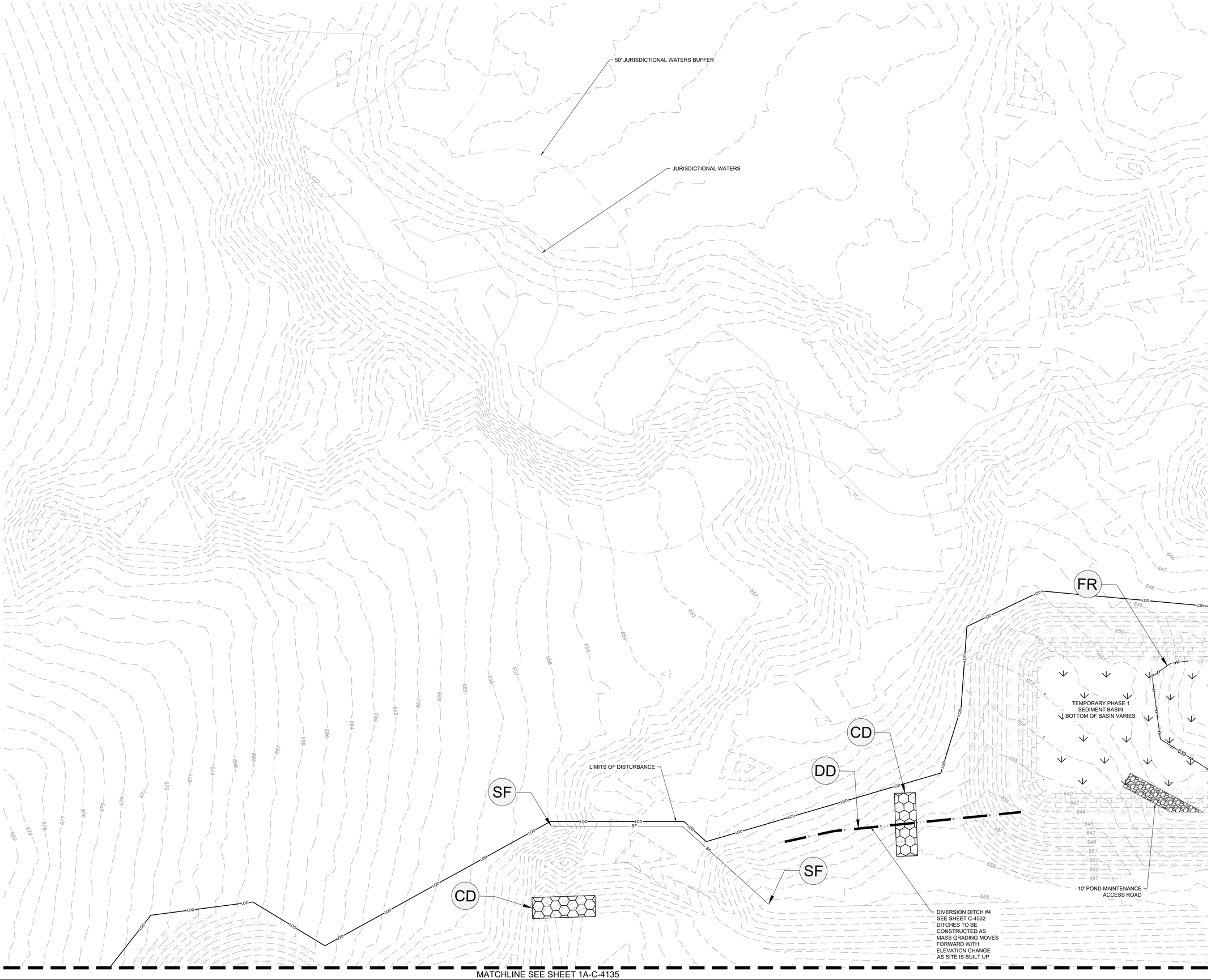
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4137

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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5. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
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ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCIACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4125 EROSION CONTROL PLAN 6/19/2025 6:26 PM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

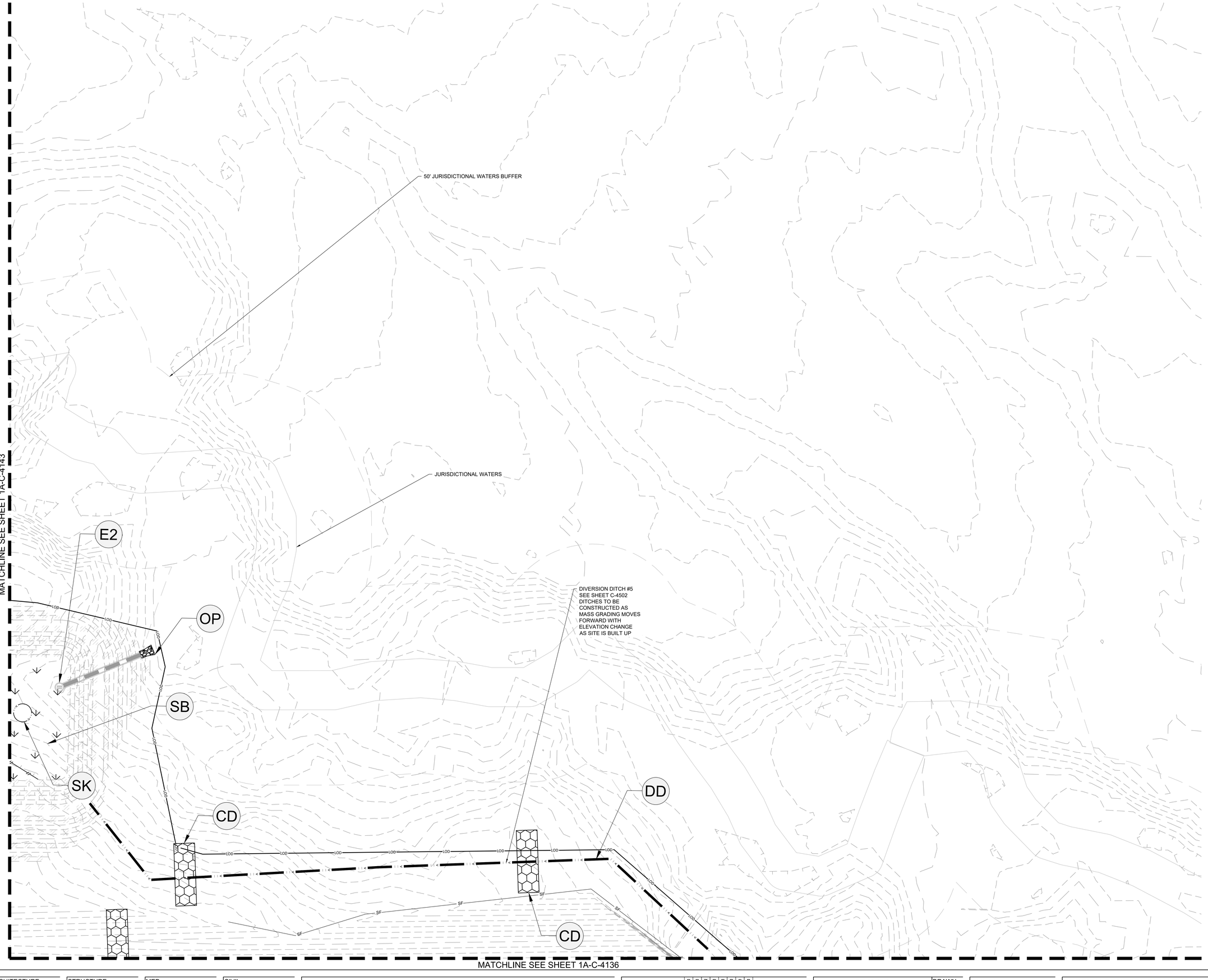
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4143

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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EROSION CONTROL PH. 1 SEQUENCING:

1. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, SITE SUBCONTRACTOR, AND 3RD PARTY EROSION CONTROL INSPECTION FIRM. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
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ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL = ± 170.0 ACRES

NO FILL MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 1

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4144

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

MATCHLINE SEE SHEET 1A-C-4202

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF ½" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
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SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL DISTURBED AREA: 0.00 ACRES

NOTE: ALL AREAS TO BE STABILIZED WITHIN 2' OF SILT FENCE.

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

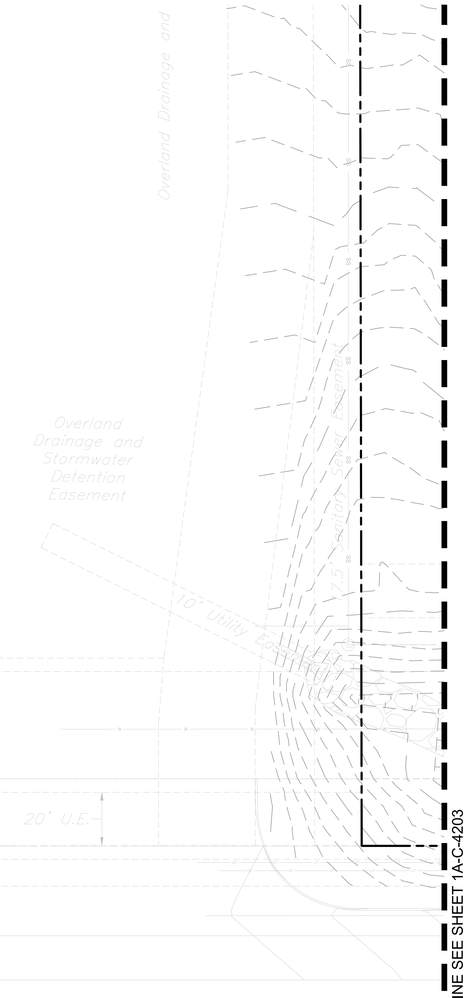
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4201
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

MATCHLINE SEE SHEET 1A-C-4201



MATCHLINE SEE SHEET 1A-C-4203

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 10.43 ACRES

NOTE: ALL DISTURBED AREA IS LOCATED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION. THE DESIGN SHOWN IS PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY ENGINEERING DETAILS FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
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MEP:
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1670 BROADWAY
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

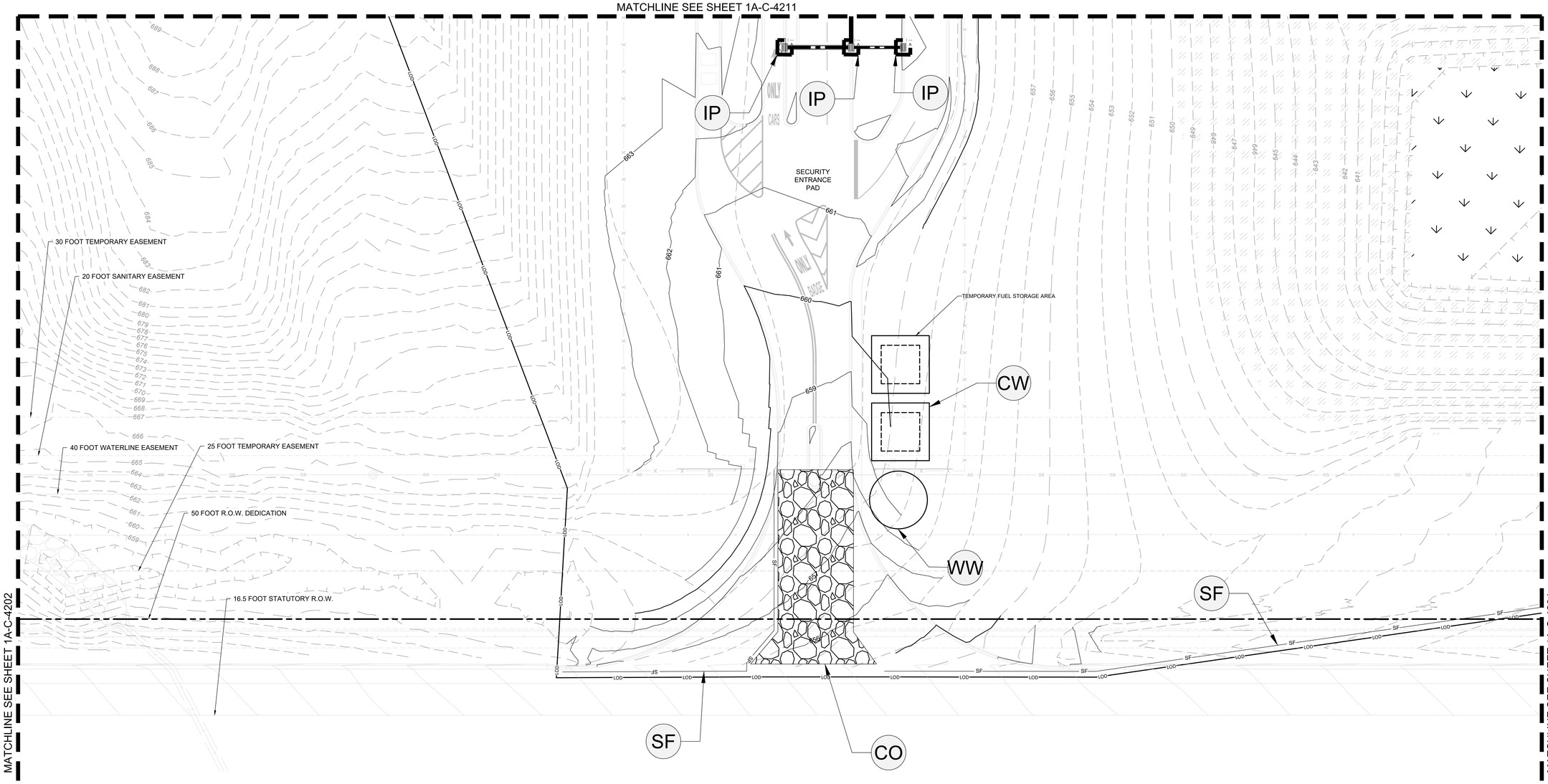
EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4202

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4211



MATCHLINE SEE SHEET 1A-C-4202

MATCHLINE SEE SHEET 1A-C-4204

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL AREA: 0.00 AC

NO FILL MATERIAL SHALL BE STORED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET SUBMITTED FOR AGENCY AND OWNER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
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DENVER, CO 80202
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4203

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4212

MATCHLINE SEE SHEET 1A-C-4203

MATCHLINE SEE SHEET 1A-C-4205

CYL HUB1A SEDIMENT BASIN
BOTTOM OF BASIN VARIES

CYL DC1A BUILDING PAD

FIRE ACCESS LANE

40 FOOT WATERLINE EASEMENT

25 FOOT TEMPORARY EASEMENT

E. 76TH ST. N.

50 FOOT R.O.W. DEDICATION

16.5 FOOT STATUTORY R.O.W.

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL: 1.68 ACRES

~~THESE DRAWINGS ARE A 65% PROGRESS SET AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES.~~

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NOTE: ALL INLETS SHALL BE SITUATED WITHIN 2' OF SITE LOW POINT

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCAACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4204

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4213

MATCHLINE SEE SHEET 1A-C-4204

MATCHLINE SEE SHEET 1A-C-4206

CYL DC1A BUILDING PAD

20 FOOT SANITARY EASEMENT

30 FOOT TEMPORARY EASEMENT

LIMITS OF DISTURBANCE

E. 76TH ST. N.

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
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STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 3.5 ACRES

NOTE: DOES NOT INCLUDE AREA DISTURBED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET SUBMITTED FOR CITY/OWNER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES AT THIS STAGE.

THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL INFORMATION NECESSARY TO CONSTRUCT OR PERMIT AS A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'

SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

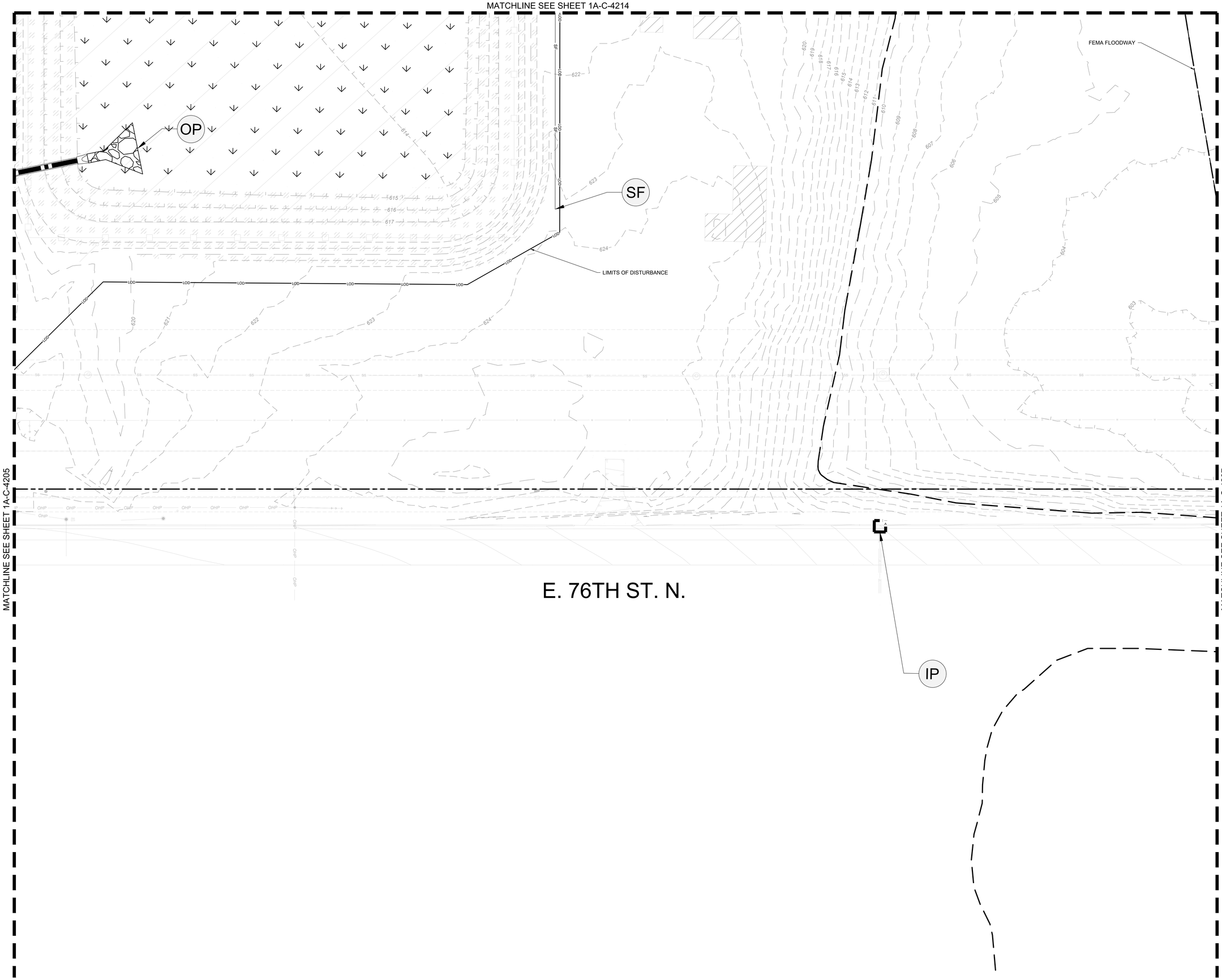
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4205

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\9600579\00_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2.7/21/2025 11:13 AM

MATCHLINE SEE SHEET 1A-C-4214



MATCHLINE SEE SHEET 1A-C-4205

MATCHLINE SEE SHEET 1A-C-4207

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.1 ACRES

NO FILL MATERIAL SHALL BE SPOILED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4206

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4215

MATCHLINE SEE SHEET 1A-C-4206

MATCHLINE SEE SHEET 1A-C-4208

JURISDICTIONAL WATERS.
NO IMPACT ZONE.

50' JURISDICTIONAL WATERS BUFFER

FEMA FLOODWAY

30 FOOT TEMPORARY EASEMENT

FEMA FLOODWAY

20 FOOT SANITARY EASEMENT

100-YR FLOODPLAIN
(ZONE AE)

40 FOOT WATERLINE EASEMENT

25 FOOT TEMPORARY EASEMENT

50 FOOT R.O.W. DEDICATION

IP

IP

IP

E. 76TH ST. N.

16.5 FOOT STATUTORY R.O.W.

60 FOOT DRAINAGE EASEMENT

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 74.1 ACRES

NO TIE MATERIAL SHALL BE PLACED WITHIN 2' OF SILT FENCE.

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\8600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4207

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
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10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.5 AC

NO TILE MATERIAL SHALL BE STAGED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR ALL OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\0600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
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STRUCTURE:
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

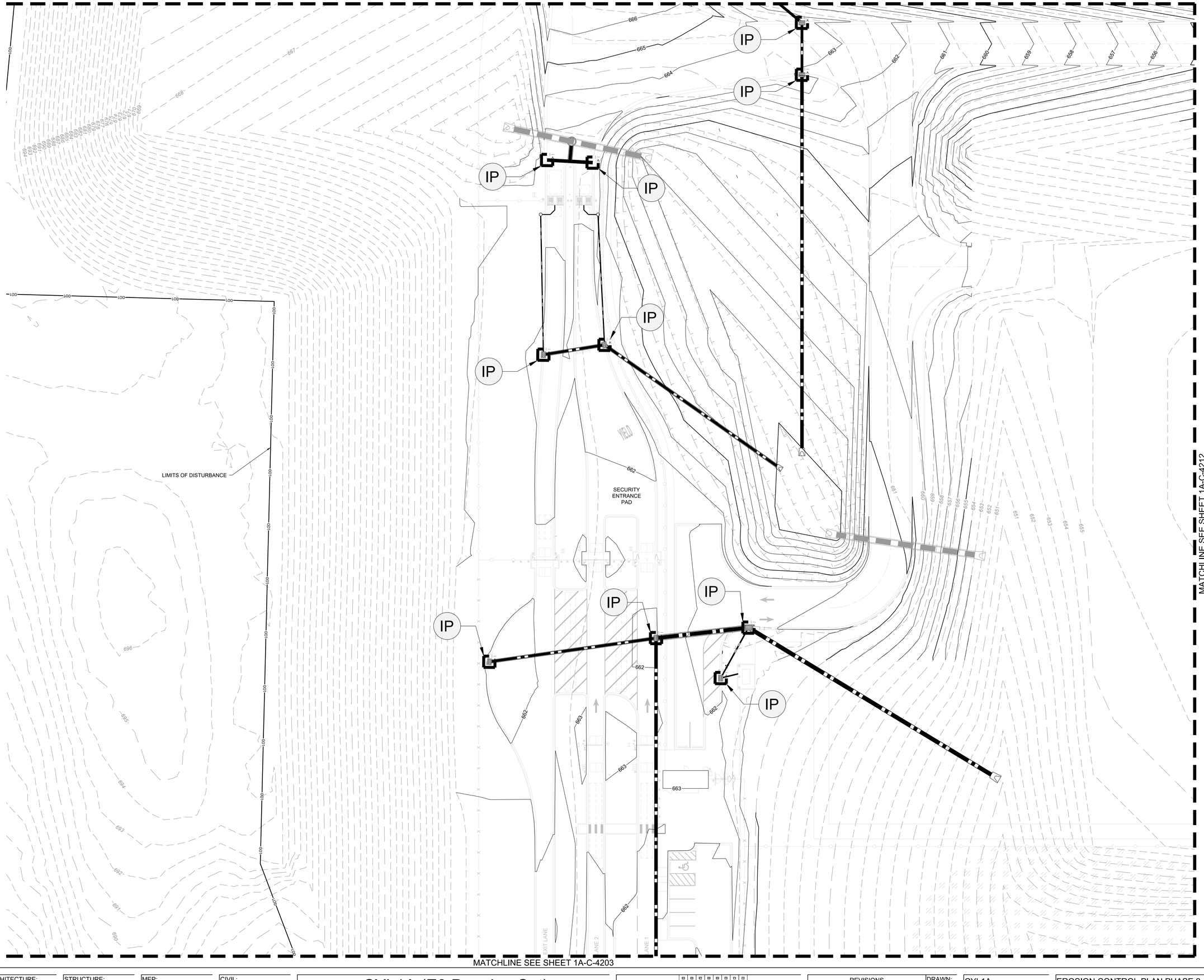
EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4208

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4219



MATCHLINE SEE SHEET 1A-C-4212

MATCHLINE SEE SHEET 1A-C-4203

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE-J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:
TOTAL: 5.1 ACRES

NOTE: ALL PROPERTY LINES SHALL BE STAKED WITHIN 2' OF SURVEY.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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1670 BROADWAY
DENVER, CO 80202
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

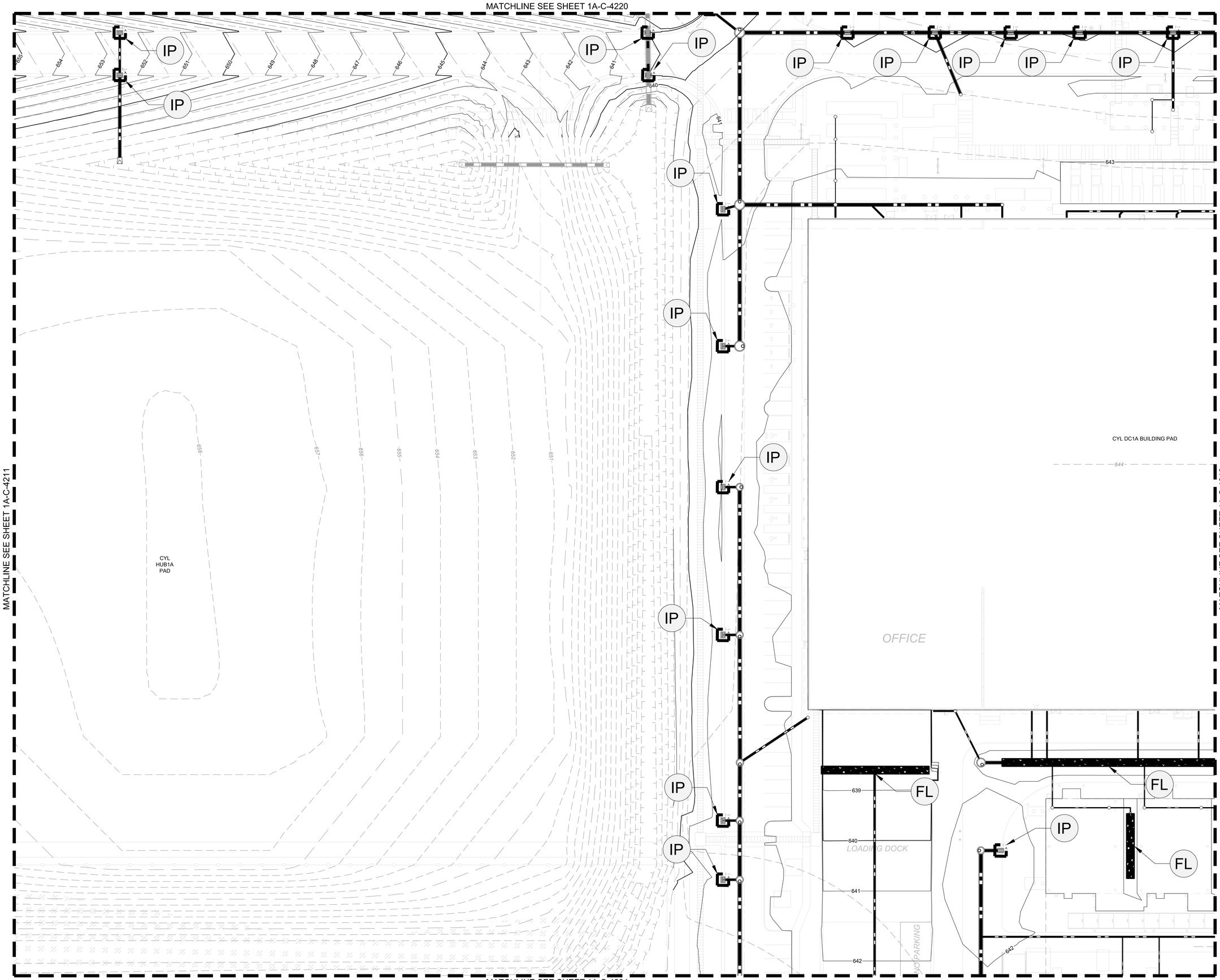
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4211
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA TOTAL: 1.66 AC

NOTE: DISTURBANCE LIMITED WITHIN 2' OF SITE PERIMETER

THESE DRAWINGS ARE 65% PROGRESS SET FOR CITY/COUNTY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES AT THIS STAGE. THEY ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4212

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4221

MATCHLINE SEE SHEET 1A-C-4212

MATCHLINE SEE SHEET 1A-C-4214

MATCHLINE SEE SHEET 1A-C-4205

CYL DC1A BUILDING PAD

SHELL 1

SHELL 2

643

644

642

640

IP

FL

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
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FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
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INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 11.5 ACRES

NOTE: ALL AREAS DISTURBED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\06005790D_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4213

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4222

MATCHLINE SEE SHEET 1A-C-4213

MATCHLINE SEE SHEET 1A-C-4215

MATCHLINE SEE SHEET 1A-C-4206

OP

OP

OP

OP

REMOVE RISER AND INSTALL PERMANENT OUTFALL STRUCTURE SEE STORM SEWER SHEETS FOR DETAILS

LIMITS OF DISTURBANCE

SF

CYL DC1A STORMWATER POND
BOTTOM OF POND VARIES

10' POND MAINTENANCE ACCESS ROAD

50' JURISDICTIONAL WATERS BUFFER

JURISDICTIONAL WATERS.
NO IMPACT ZONE.

100-YR FLOODPLAIN
(ZONE AE)

FEMA FLOODWAY

612 613 614 615 616 617 618 619 620 621 622

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
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EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
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INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 5.57 ACRES

NO FILL MATERIAL IS TO BE PLACED WITHIN 2' OF SILT FENCE.

THESE DRAWINGS ARE A 65% PROGRESS SET FOR ALL OVER THE SHOULDER REVIEW AND ARE NOT APPROVED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES AT THIS STAGE AND ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4214

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4223

MATCHLINE SEE SHEET 1A-C-4214

MATCHLINE SEE SHEET 1A-C-4207

150 FOOT GRDA EASEMENT

PROTECT IN PLACE EXISTING OVERHEAD ELECTRIC

PROTECT IN PLACE EXISTING OVERHEAD ELECTRIC POWER POLE (TYP.)

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL DISTURBED AREA

NO FILL/GRADE/STRUCTURES PERMITTED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\t00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2.7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4215
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4226

MATCHLINE SEE SHEET 1A-C-4219

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL DISTURBED AREA: 0.00 ACRES

NOTE: LOCATIONS OF ITEMS SCALED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4218
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4227

MATCHLINE SEE SHEET 1A-C-4218

MATCHLINE SEE SHEET 1A-C-4220

MATCHLINE SEE SHEET 1A-C-4211

LIMITS OF DISTURBANCE

IP

IP

IP

IP

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
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9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL: 18.1 ACRES

NOTE: MATERIAL SHALL BE SITUATED WITHIN 2' OF SILT FENCE.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\06005/7900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4219

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

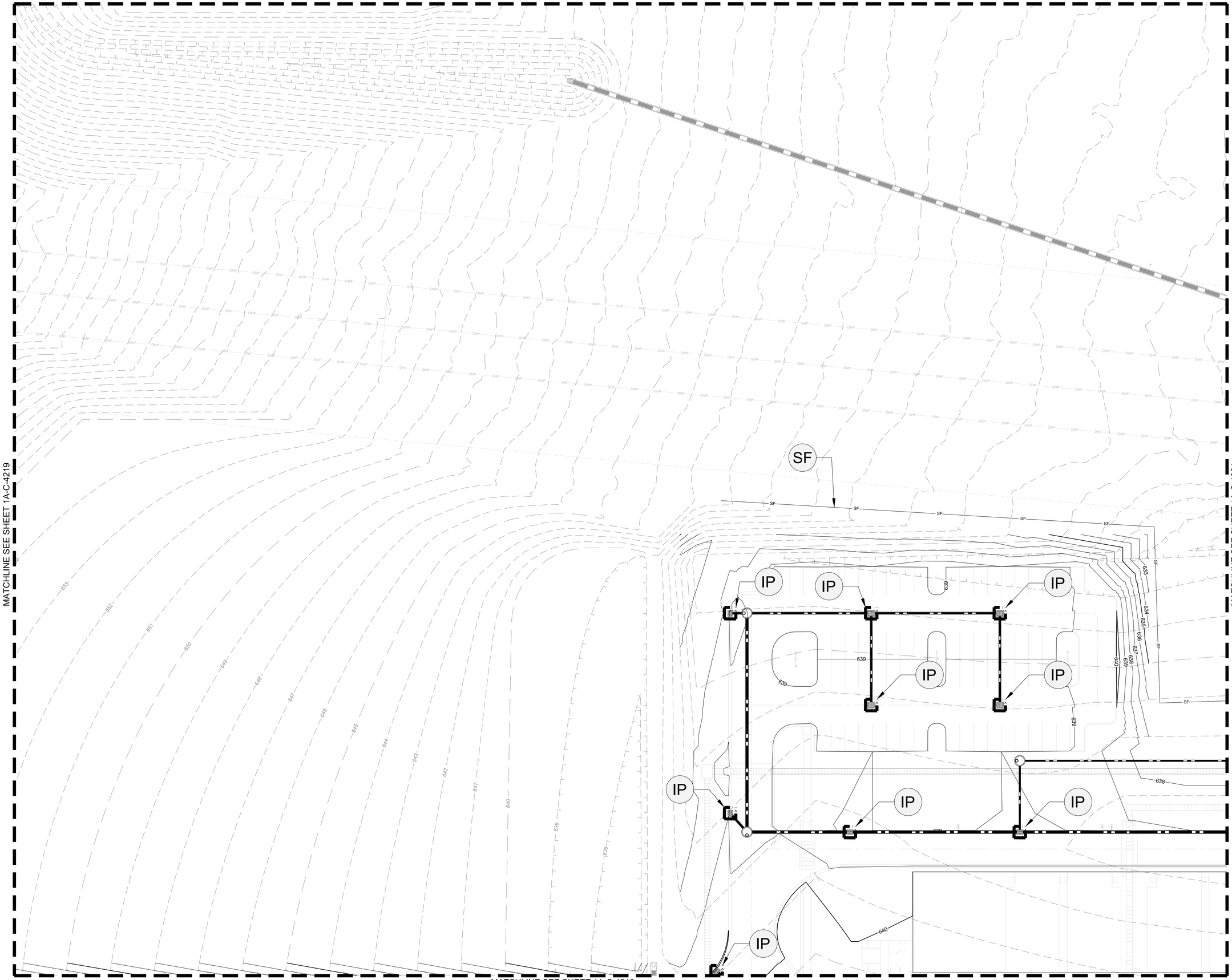
MATCHLINE SEE SHEET 1A-C-4228

MATCHLINE SEE SHEET 1A-C-4219

MATCHLINE SEE SHEET 1A-C-4221

MATCHLINE SEE SHEET 1A-C-4212

C:\ACCAACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:13 AM



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA TOTAL: 5.75 ACRES

NOTE: DATE THESE PLANS ARE SUBMITTED WITHIN 2' OF SILT FENCE

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4220

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4229

MATCHLINE SEE SHEET 1A-C-4220

MATCHLINE SEE SHEET 1A-C-4222

MATCHLINE SEE SHEET 1A-C-4213

PERUN 1A
PAD

DIVERSION DITCH #3
SEE SHEET C-4502
DITCHES TO BE
CONSTRUCTED AS
MASS GRADING MOVES
FORWARD WITH
ELEVATION CHANGE
AS SITE IS BUILT UP

TEMPORARY
CUSTOMER
SUBSTATION
PAD

CD

SF

IP

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL: 0.00 AC

NOTE: ALL SILT FENCE TO BE PLACED WITHIN 2' OF SLOPE MAY

THESE DRAWINGS ARE A 65% PROGRESS SET FOR DESIGN TEAM AND OWNER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\t00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4201 EROSION CONTROL PLAN PHASE 2.7/2/2025 11:13 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4221

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4230

MATCHLINE SEE SHEET 1A-C-4221

MATCHLINE SEE SHEET 1A-C-4223

MATCHLINE SEE SHEET 1A-C-4214

EX. POND

LIMITS OF DISTURBANCE

50' JURISDICTIONAL WATERS BUFFER

JURISDICTIONAL WATERS.
NO IMPACT ZONE.

FEMA FLOODWAY

100-YR FLOODPLAIN
(ZONE AE)

LIMITS OF DISTURBANCE

SF

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL: 11.1 ACRES

NO FILL MATERIALS TO BE PLACED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
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STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4222

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4231

MATCHLINE SEE SHEET 1A-C-4222

MATCHLINE SEE SHEET 1A-C-4215

PROTECT IN PLACE EXISTING OVERHEAD ELECTRIC POWER POLE (TYP.)

FEMA FLOODWAY

50' JURISDICTIONAL WATERS BUFFER

JURISDICTIONAL WATERS. NO IMPACT ZONE.

PROTECT IN PLACE EXISTING OVERHEAD ELECTRIC

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL SITE DISTURBED AREA: 1.1 ACRES

NO FILL/GRADE/DISTURBANCE ALLOWED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2.7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

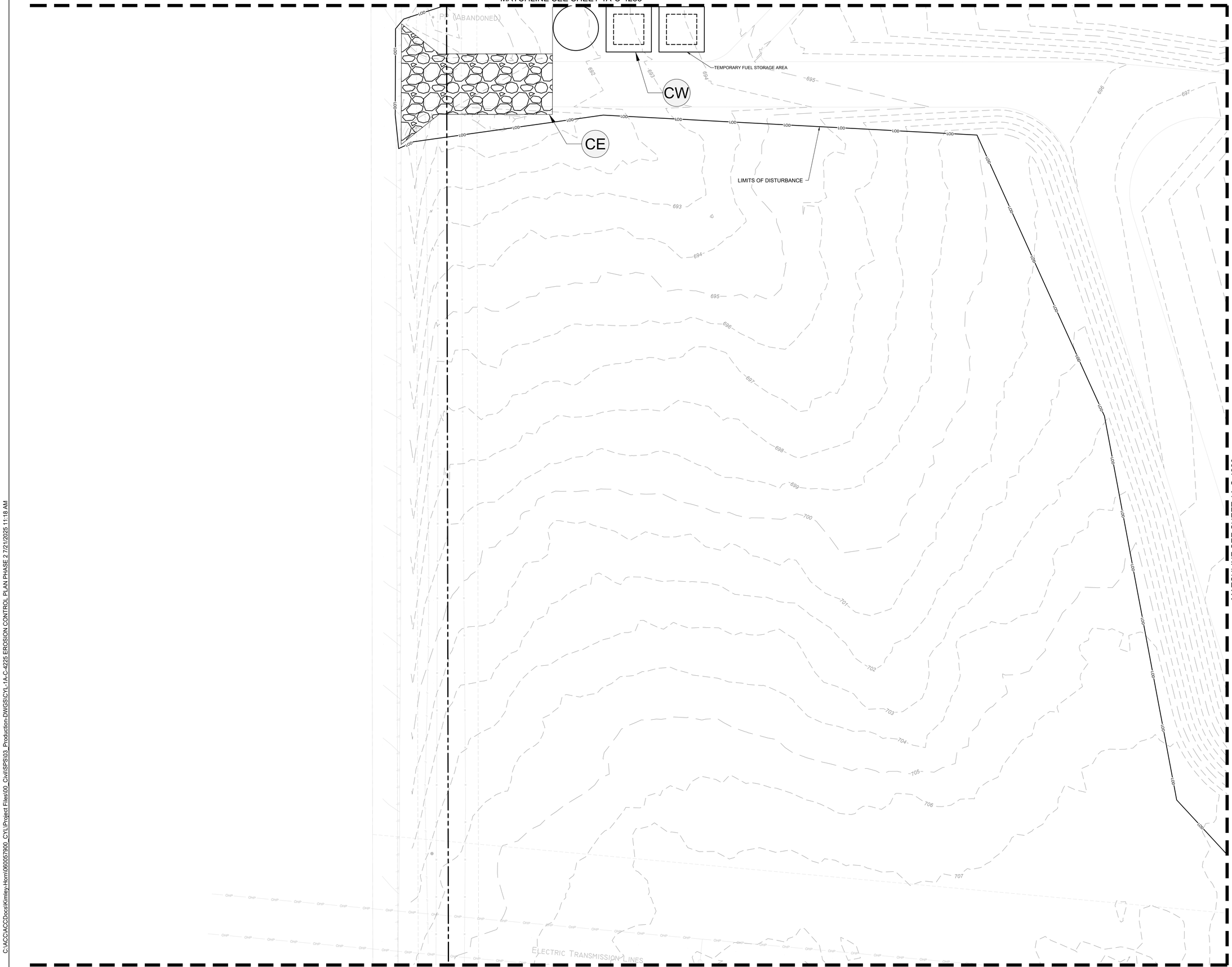
EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4223

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4233



MATCHLINE SEE SHEET 1A-C-4226

MATCHLINE SEE SHEET C-___

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

- LIMITS OF DISTURBANCE — LOD
- EXISTING MAJOR CONTOUR (1' INTERVAL) — 200
- EXISTING MINOR CONTOUR (1' INTERVAL) — 201
- PROPERTY LINE
- EXISTING OVERHEAD ELECTRIC — OE
- EXISTING GAS LINE — G
- EXISTING EASEMENT
- DRAINAGE AREA BOUNDARY
- PROPOSED RIP RAP
- PROPOSED GRAVEL ROAD
- PERMANENT STABILIZATION
- ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500) — CD
- CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500) — CE
- CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501) — CW
- DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502) — DD
- EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500) — EB
- FIBER LOG (SEE DETAIL SHEET 1A-C-4501) — FL
- SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500) — FO
- STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502) — FR
- INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501) — IP
- SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502) — JH
- ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500) — OF
- OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500) — OP
- SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502) — SB
- TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501) — SD
- SILT FENCE (SEE DETAIL SHEET 1A-C-4500) — SF
- FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502) — SK
- WHEEL WASH (SEE DETAIL SHEET 1A-C-4500) — WW
- SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502) — E1
- SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502) — E2

DISTURBED AREA

TOTAL DISTURBED AREA: 15.2 ACRES

NO FILL OPERATIONS ARE EXPECTED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

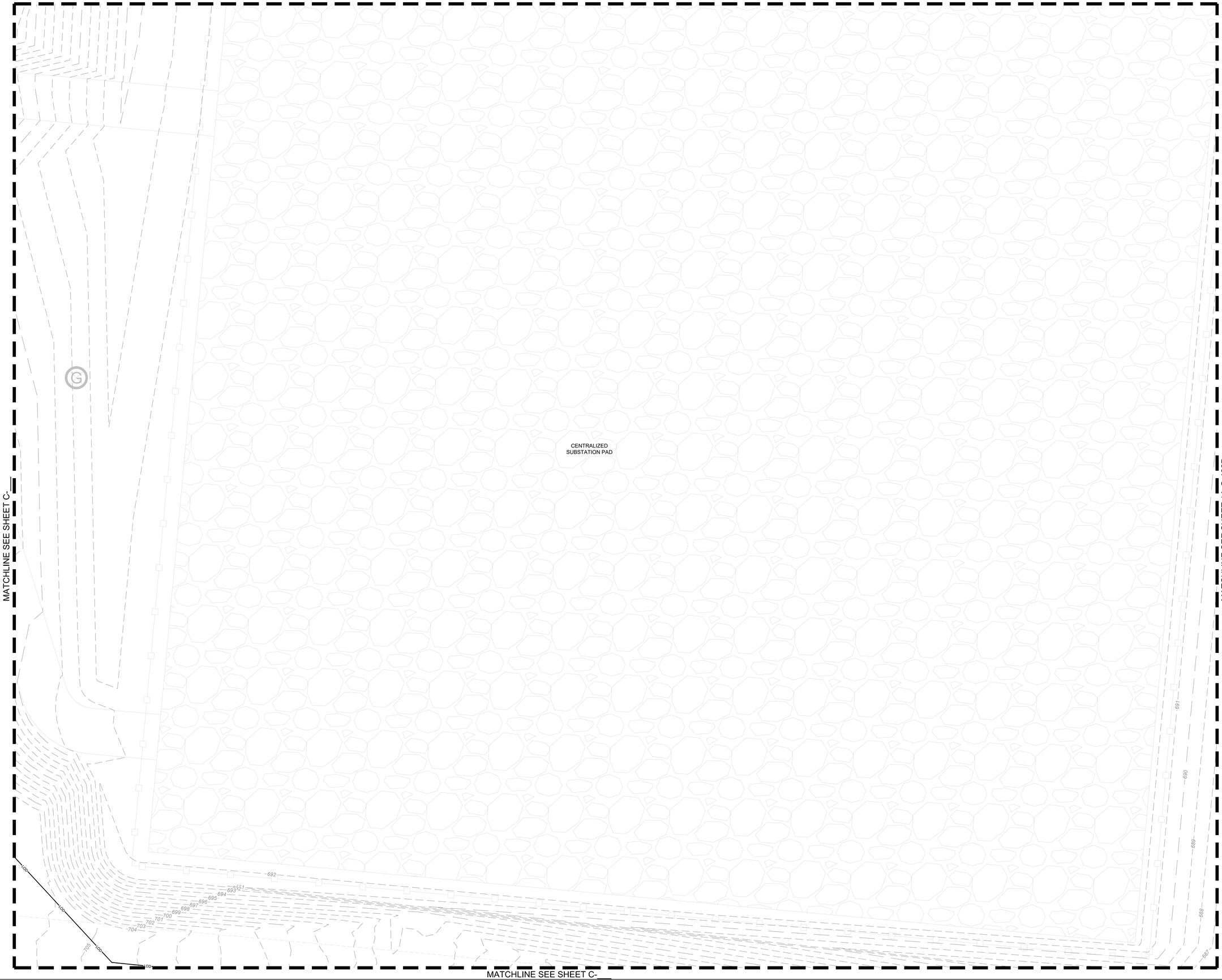
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4225
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4234



MATCHLINE SEE SHEET C-___

MATCHLINE SEE SHEET 1A-C-4227

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.0 ACRES

NO FILL MATERIAL IS PLACED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4226

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCIACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4226 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

MATCHLINE SEE SHEET 1A-C-4235

MATCHLINE SEE SHEET 1A-C-4226

MATCHLINE SEE SHEET 1A-C-4228

MATCHLINE SEE SHEET 1A-C-4219

CYL DC2A BUILDING PAD

CD

IP

FL

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 0.00 ACRES

NO TREES TO BE REMOVED UNTIL WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4227

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4236

CYL DC2A BUILDING PAD

662

661

660

659

658

657

656

PERUN 2A
PAD

FL

FL

MATCHLINE SEE SHEET 1A-C-4227

MATCHLINE SEE SHEET 1A-C-4229

MATCHLINE SEE SHEET 1A-C-4220

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
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EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
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INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.5 ACRES

NO FILL PERMITTED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4228 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4228

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4237

MATCHLINE SEE SHEET 1A-C-4228

MATCHLINE SEE SHEET 1A-C-4230

MATCHLINE SEE SHEET 1A-C-4221

LIMITS OF DISTURBANCE

SK

FL

OP

E2

SB

. CYL DC2A SEDIMENT BASIN
BOTTOM OF BASIN VARIES

FR

SK

SK

SK

10' POND MAINTENANCE
ACCESS ROAD

DIVERSION DITCH #3
SEE SHEET C-4502
DITCHES TO BE
CONSTRUCTED AS
MASS GRADING MOVES
FORWARD WITH
ELEVATION CHANGE
AS SITE IS BUILT UP

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER OSEO.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 11.5 ACRES

NO SILT WATTLE SHALL BE INSTALLED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4229

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\8600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL AREA DISTURBED: 4.5 ACRES

NO FILL PERMITTED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4208 EROSION CONTROL PLAN PHASE 2.7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

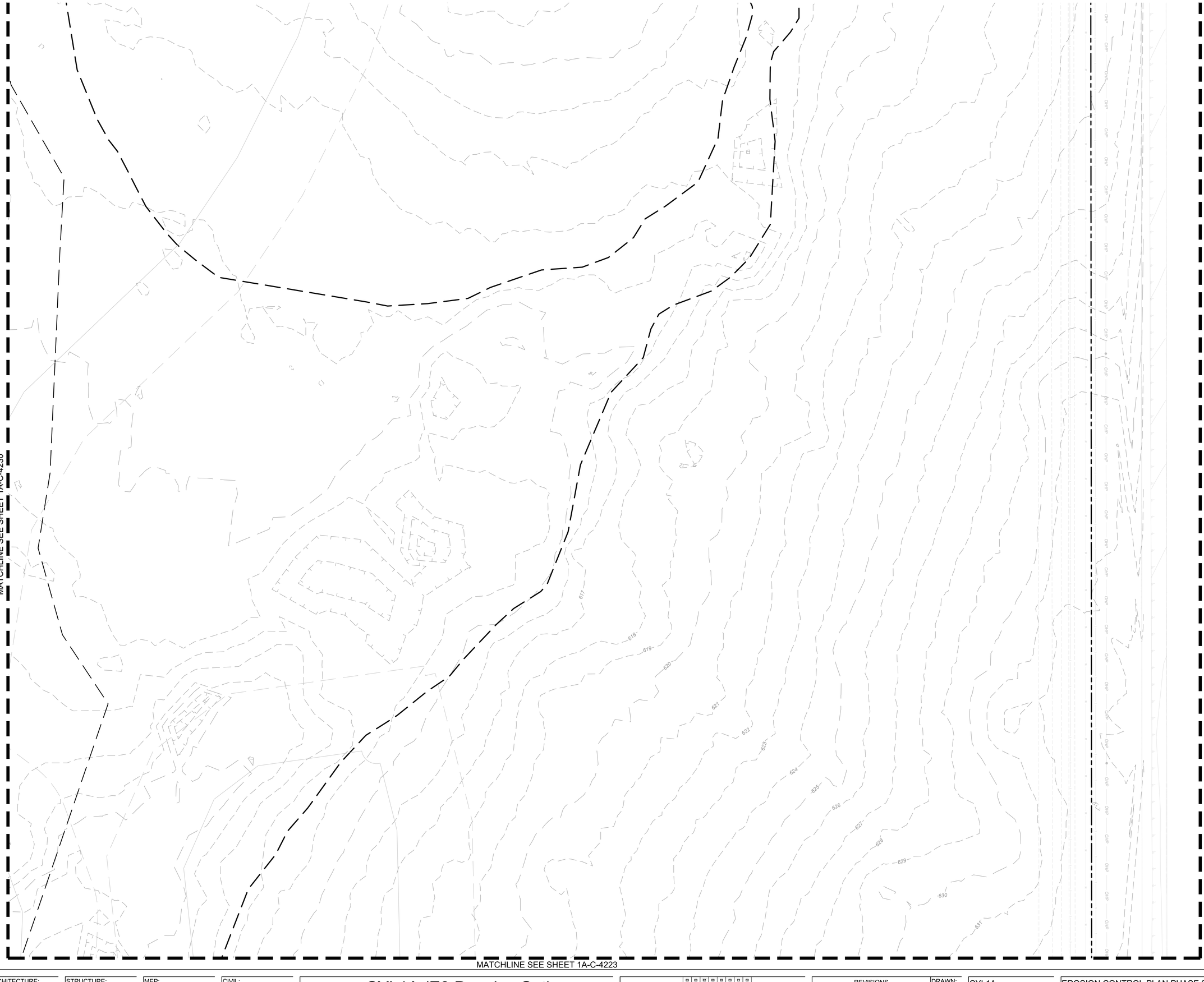
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4230
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
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7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
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9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
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FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL: 5.1 AC

NO FILL MATERIAL SHALL BE STAGED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4231
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4240

N. SHERIDAN RD.

MATCHLINE SEE SHEET 1A-C-4231

C:\ACCIACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
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7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
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13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	RR
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.1 ACRES

NO FILL MATERIAL TO BE SPLOYED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'

SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

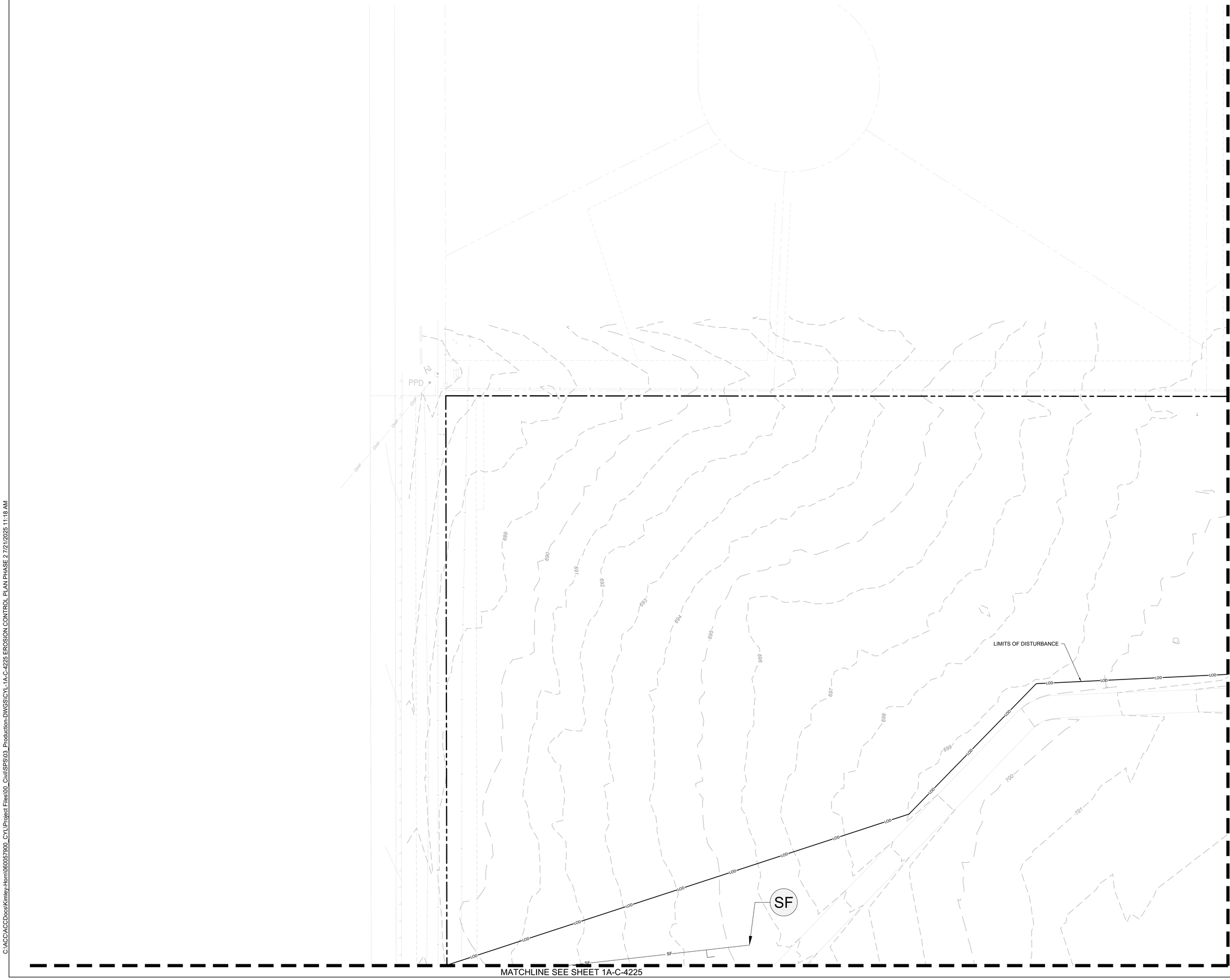
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4232

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES. CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA
TOTAL: 1.0 ACRES

NO FILTER/SILT FENCE SHALL BE PLACED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR ALL OVER LOT SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES AT THIS STAGE. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\660057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

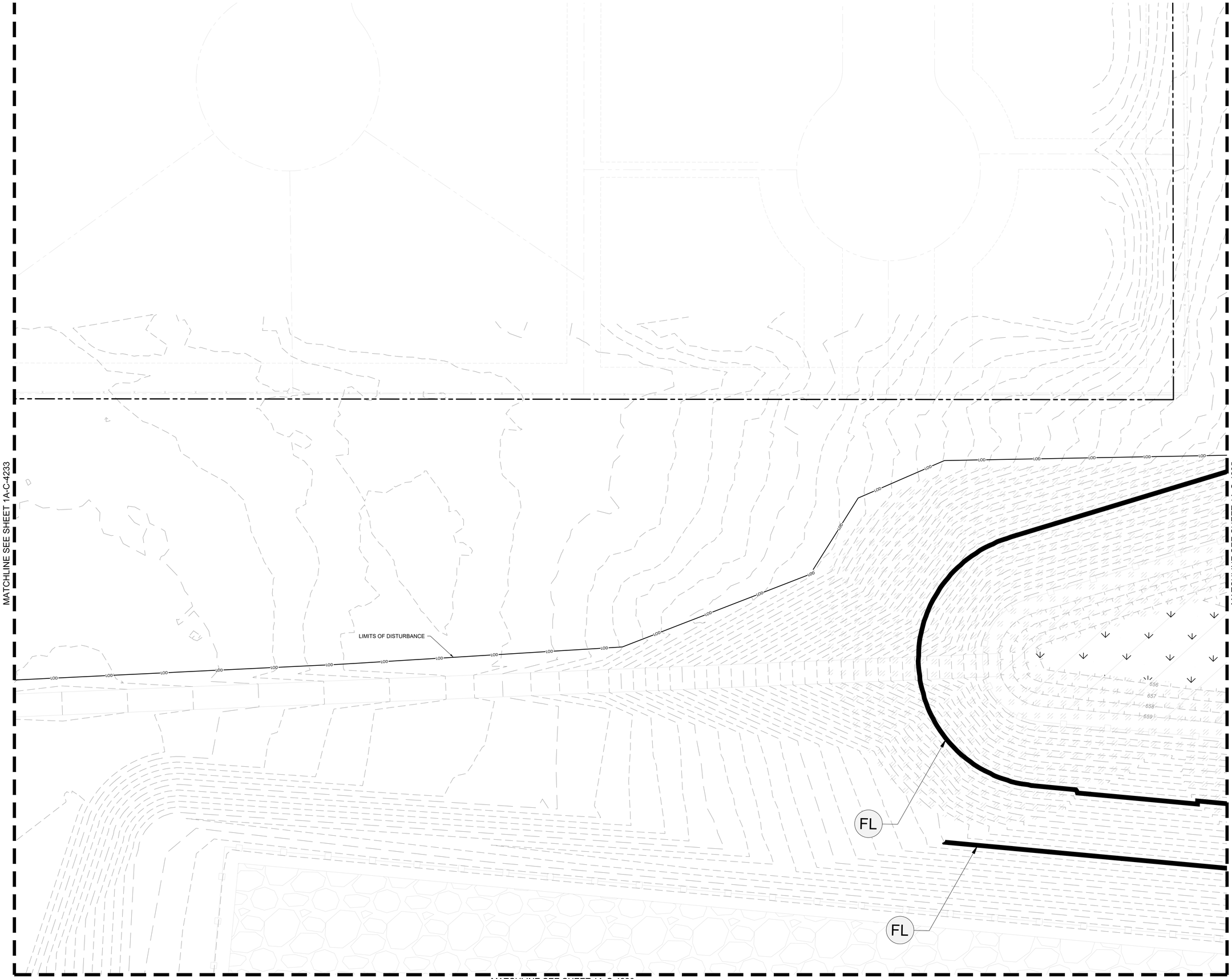
PROJ. NO.:10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4233

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.1 ACRES

NO FILL MATERIAL TO BE STORED WITHIN 2' OF SILT FENCE.

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N

0' 0.5' 1' 2'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4234

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCIACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWG\CYL-1A-C-4226 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

MATCHLINE SEE SHEET 1A-C-4243

LIMITS OF DISTURBANCE

OP

CD

E2

SK

IP

CD

IP

FR

FL

SB

PSO SEDIMENT BASIN
BOTTOM OF BASIN VARIES

10' POND MAINTENANCE
ACCESS ROAD

CD

IP

IP

CD

FL

CD

FL

FL

CYL DC2A BUILDING PAD

MATCHLINE SEE SHEET 1A-C-4234

MATCHLINE SEE SHEET 1A-C-4236

MATCHLINE SEE SHEET 1A-C-4227

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
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EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
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INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.5 AC

NO FILL MATERIAL SHALL BE PLACED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

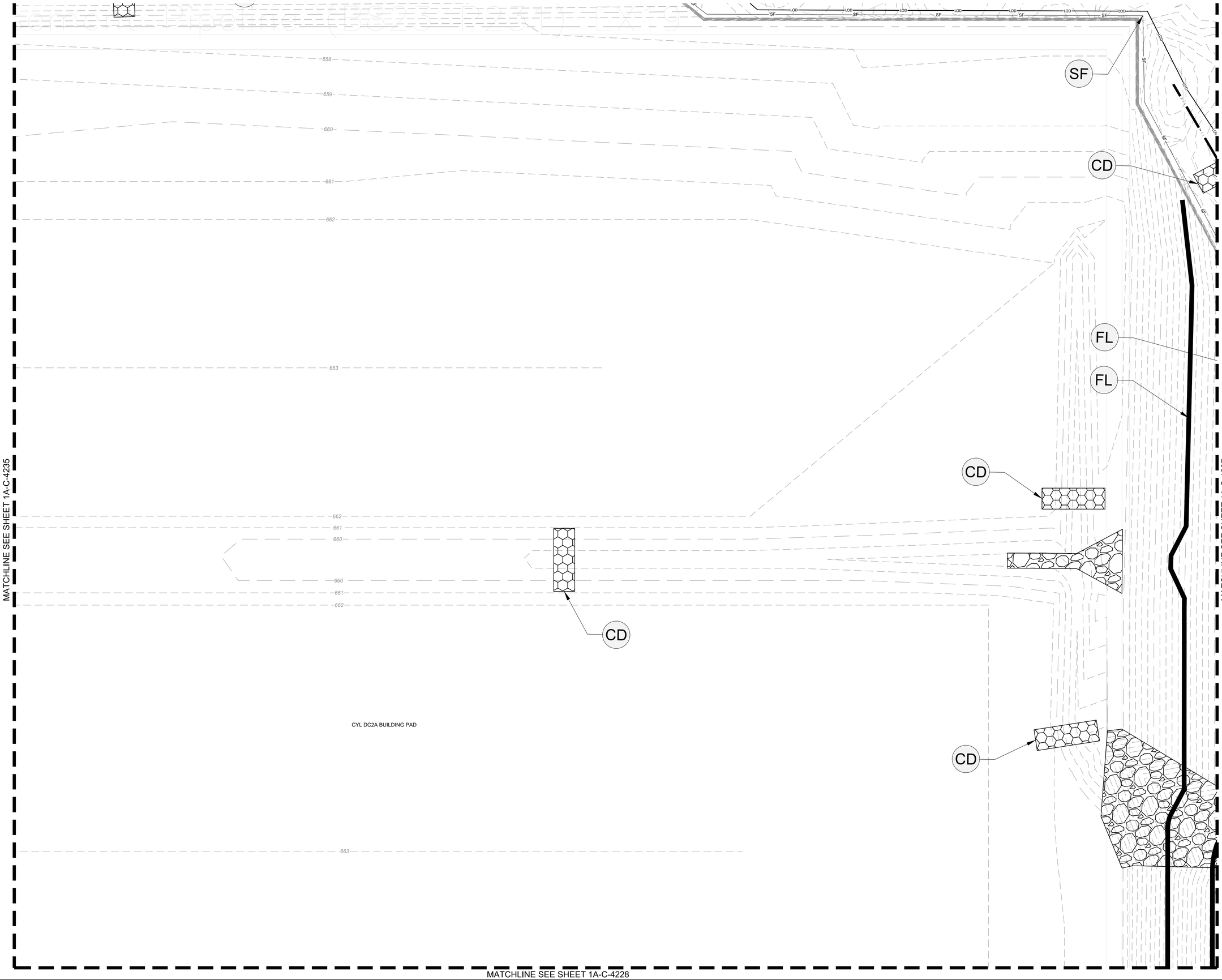
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4235

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER OSEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.1 ACRES

NO FILL/GRADING/SILT FENCE SHALL BE PLACED WITHIN 2' OF SILT FENCE.

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AND/OR THE SHOULDER REVIEW AND ARE NOT ISSUED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR PRIVATE AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

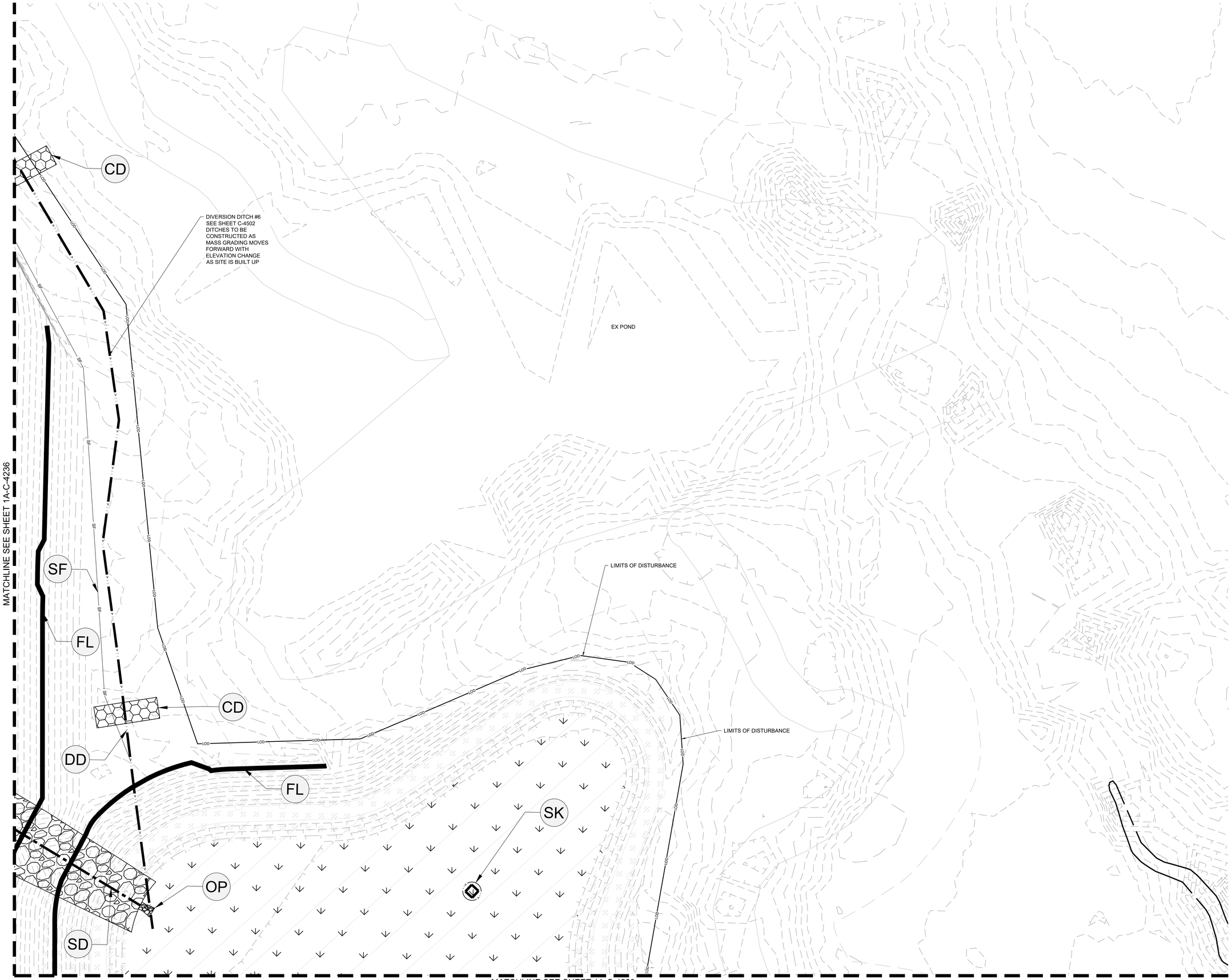
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4236
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-4236



MATCHLINE SEE SHEET 1A-C-4229

C:\ACCIACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.0 ACRES

NO FILL MATERIAL SHALL BE STORED WITHIN 2' OF SILT FENCE

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4237

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

N. SHERIDAN RD.

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:

TOTAL DISTURBED AREA: 0.00 ACRES

NO FILL MATERIAL SHALL BE STOCKED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-4232

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

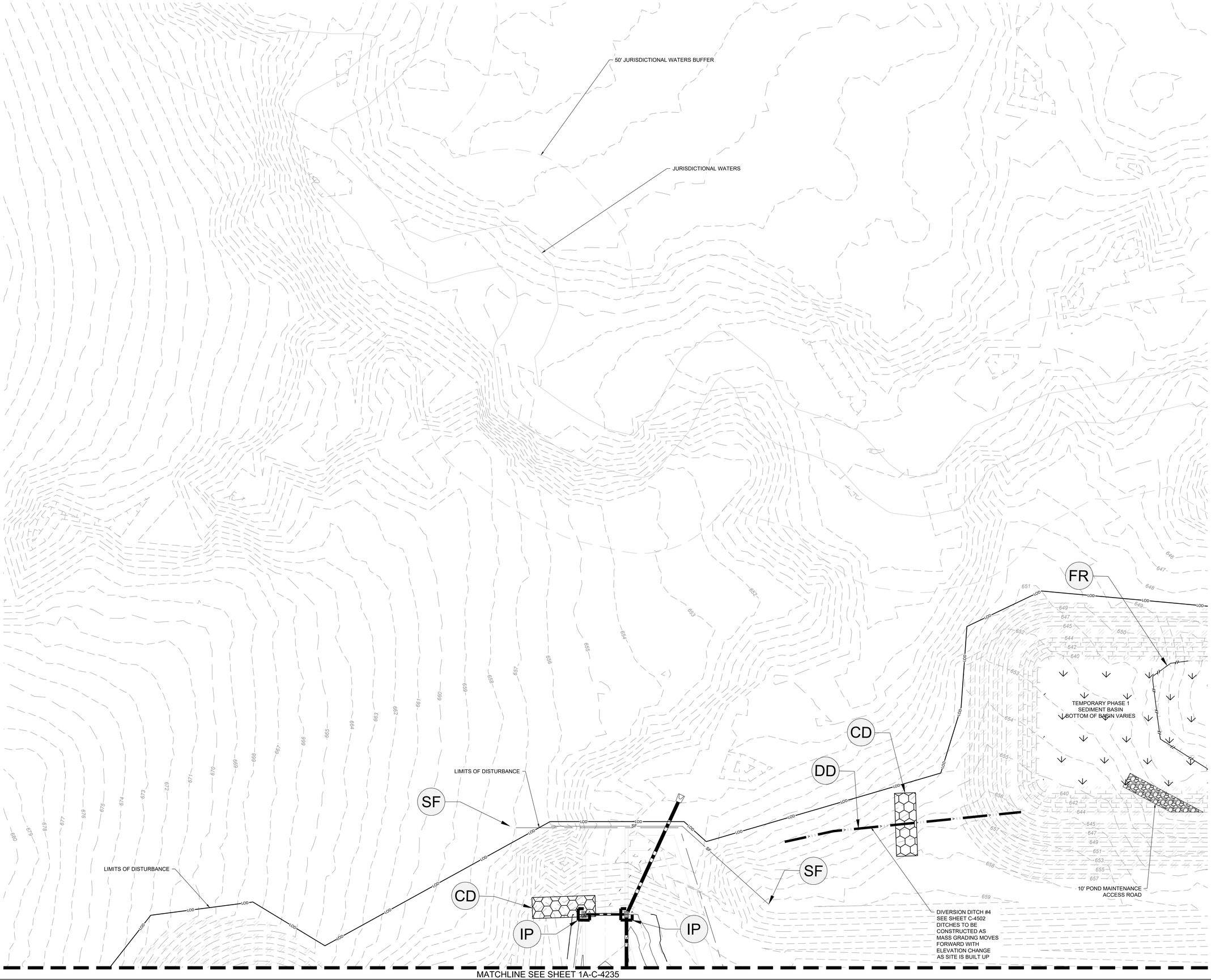
EROSION CONTROL PLAN PHASE 2

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4240

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4206 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:15 AM



MATCHLINE SEE SHEET 1A-C-4235

EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
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EXISTING MINOR CONTOUR (1' INTERVAL)	201
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EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
STONE FILTER RING (SEE DETAIL SHEET 1A-C-4502)	FR
INLET PROTECTION: (SEE DETAIL SHEET 1A-C-4501)	IP
SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
SILT FENCE (SEE DETAIL SHEET 1A-C-4500)	SF
FAIRCLOTH SKIMMER (SEE DETAIL SHEET 1A-C-4502)	SK
WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA:
TOTAL DISTURBED AREA: 0.00 ACRES

NO TEMPORARY SILT FENCE TO BE INSTALLED WITHIN 2' OF THE WATERLINE.

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER THE SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\080057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4225 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

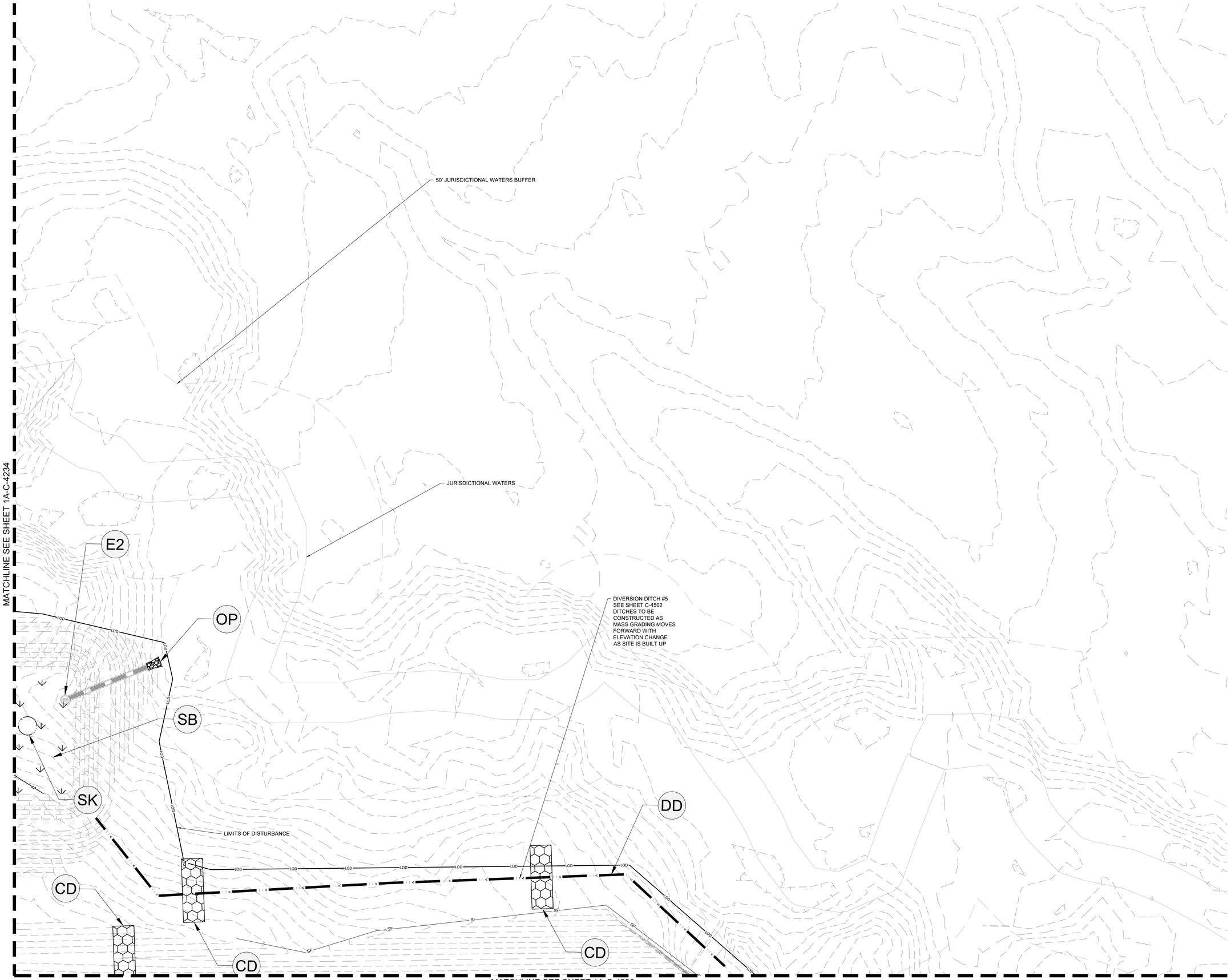
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4243
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



EROSION CONTROL PH. 2 SEQUENCING:

1. CONTINUE EARTHWORK/GRADING ACTIVITIES. MAINTAIN AND VERTICALLY ADJUST ALL CHECK DAMS, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT.
2. AS EARTHWORK ALLOWS, BEGIN INSTALLING STORMWATER PIPING AND INLETS.
3. INSTALL SITE UTILITIES, CONTRACTOR MAKE SURE TO LEAVE WATER AND SANITARY SEWER LINES EXPOSED AS NECESSARY UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR.
4. AS CONSTRUCTION PROGRESSES AND SITE IS BROUGHT TO FINAL GRADES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
5. INSTALL CONCRETE WASH OUT PRIOR TO POURING ANY CONCRETE ON SITE.
6. MAINTAIN DEVICES AS NEEDED. INLET PROTECTION SHALL REMAIN UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 2" OR GREATER OR EVERY 7 CALENDAR DAYS. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 14 CALENDAR DAYS.
7. CONSTRUCT ROAD BASE COURSE AND INSTALL CURB AND GUTTER.
8. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
9. CONTINUE TO MAINTAIN TEMPORARY EROSION CONTROL MEASURES PER ODEQ.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. INSTALL ASPHALT AND CONCRETE DRIVE AISLES AND ROADWAYS. MAKING SURE TO INSTALL AND MAINTAIN STORM INLET PROTECTION.
12. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS
13. THE CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE PIPING AND FULLY STABILIZE.
14. CONTRACTOR SHALL REMOVE INLET PROTECTION FROM PROPOSED STORMWATER CONVEYANCE STRUCTURES ONCE PERMANENT STABILIZATION IS ACHIEVED.

EROSION CONTROL LEGEND:

LIMITS OF DISTURBANCE	LOD
EXISTING MAJOR CONTOUR (1' INTERVAL)	200
EXISTING MINOR CONTOUR (1' INTERVAL)	201
PROPERTY LINE	
EXISTING OVERHEAD ELECTRIC	OE
EXISTING GAS LINE	G
EXISTING EASEMENT	
DRAINAGE AREA BOUNDARY	
PROPOSED RIP RAP	
PROPOSED GRAVEL ROAD	
PERMANENT STABILIZATION	
ROCK CHECK DAM (SEE DETAIL SHEET 1A-C-4500)	CD
CONSTRUCTION ENTRANCE (SEE DETAIL SHEET 1A-C-4500)	CE
CONCRETE WASHOUT AREA (SEE DETAIL SHEET 1A-C-4501)	CW
DIVERSION DITCH (SEE DETAIL SHEET 1A-C-4502)	DD
EROSION CONTROL BLANKET (SEE DETAIL SHEET 1A-C-4500)	EB
FIBER LOG (SEE DETAIL SHEET 1A-C-4501)	FL
SILT FENCE OUTLET (SEE DETAIL SHEET 1A-C-4500)	FO
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SILT FENCE J-HOOK (SEE DETAIL SHEET 1A-C-4502)	JH
ORANGE SAFETY FENCE (SEE DETAIL SHEET 1A-C-4500)	OF
OUTLET PROTECTION (SEE DETAIL SHEET 1A-C-4500)	OP
SEDIMENT BASIN WITH PIPE OUTLET (SEE DETAIL SHEET 1A-C-4502)	SB
TEMPORARY SLOPE DRAIN (SEE DETAIL SHEET 1A-C-4501)	SD
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WHEEL WASH (SEE DETAIL SHEET 1A-C-4500)	WW
SEDIMENT BASIN PHASE 1 (SEE DETAIL 1 ON SHEET 1A-C-4502)	E1
SEDIMENT BASIN PHASE 2 (SEE DETAIL 2 ON SHEET 1A-C-4502)	E2

DISTURBED AREA

TOTAL DISTURBED AREA: 1.5 ACRES

NO FILL EXCAVATION TO BE LOCATED WITHIN 2' OF SILT FENCE

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N

0' 0.5' 1' 2'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4226 EROSION CONTROL PLAN PHASE 2 7/21/2025 11:18 AM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

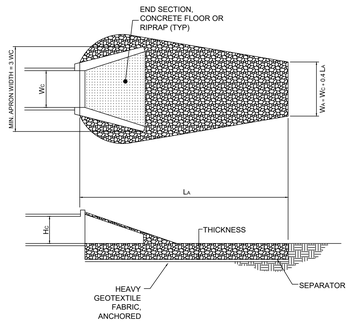
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL PLAN PHASE 2
SCALE: AS SHOWN

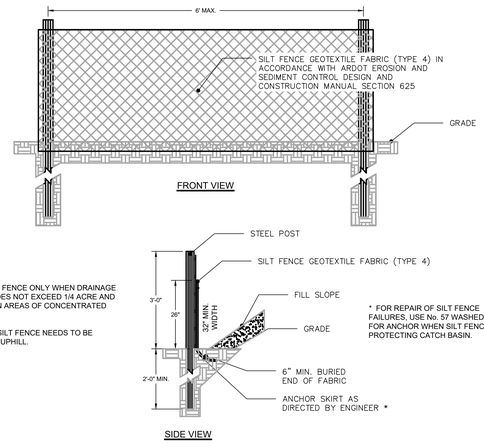
SHEET NUMBER:
1A-C-4244
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



*REFER TO PLAN SHEETS FOR DIMENSIONS

HC = HEIGHT OF CULVERT
WC = WIDTH OF CULVERT
LA = LENGTH OF RIP-RAP APRON
WA = WIDTH OF RIP-RAP APRON AT END
SEPARATOR = GEOTEXTILE UNDERLAYMENT OR GRAVEL FILTER BLANKET

OP C4500 **OUTLET PROTECTION DETAIL** NTS



NOTES

1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.

* FOR REPAIR OF SILT FENCE FAILURES, USE No. 57 WASHED STONE. FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.

SF C4500 **SILT FENCE DETAIL** NTS

PRODUCT PLACEMENT NOTES

THE EROSION CONTROL PRODUCT SHOULD BE PLACED IMMEDIATELY AFTER COMPLETION OF THE PREPARATION OF THE AREA WHERE THE PRODUCT WILL BE PLACED.

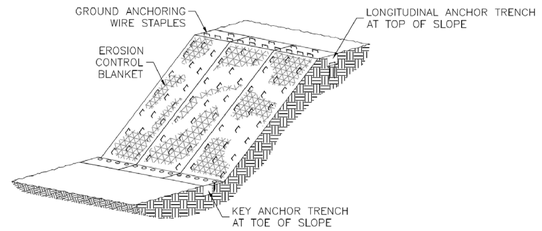
FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OR USE THE FOLLOWING INSTRUCTIONS. IF THERE IS A CONFLICT, FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. STRIPS SHALL BE ROLLED OUT FLAT, PARALLEL TO THE DIRECTION OF FLOW, IN FLUMES AND DITCHES. ON STEEP CUT OR FILL SLOPES, STRIPS SHALL BE ROLLED OUT FLAT, AND PERPENDICULAR TO THE DIRECTION OF FLOW TO REDUCE RILL EROSION. WHEN 2 OR MORE STRIPS ARE REQUIRED TO COVER AN AREA, THEY SHALL OVERLAP AT LEAST 3" (75 MM); HOWEVER, EXCELSIOR BLANKETS WILL NOT REQUIRE LAPPING BUT ARE TO BE BUTTED TOGETHER AND STAPLED WITH HALF OF EACH STAPLE LOCATED IN EACH OF THE ADJOINING BLANKETS. ENDS OF STRIPS SHALL OVERLAP AT LEAST 6" (150 MM) WITH THE UPGRADE SECTION ON TOP. THE UPSLOPE END (ANCHOR SLOT) OF EACH STRIP SHALL BE BURIED IN 6" (150 MM) VERTICAL SLOTS, AND SOIL TAMPED FIRMLY AGAINST IT. FIGURE ECB-1 SHOWS TYPICAL EROSION CONTROL BLANKET INSTALLATION. WHEN CONDITIONS ARE WARRANTED BY THE OPINION OF THE QUALIFIED DESIGN PROFESSIONAL, ANY OTHER EDGE EXPOSED TO EXCESSIVE FLOW SHALL BE BURIED AS NOTED ABOVE. THE EROSION CONTROL PRODUCT SHALL BE SPREAD EVENLY AND SMOOTHLY, AND SHALL BE IN CONTACT WITH THE SOIL AT ALL POINTS. THE PRODUCT SHOULD NOT BE STRETCHED TIGHT IN SUCH A MANNER THAT THE MATERIAL "TENTS" OVER THE SOIL SURFACE. IF THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF THE EROSION CONTROL PRODUCT ARE DIFFERENT THAT THOSE GIVEN HERE, THE CONTRACTOR WILL BE REQUIRED TO FOLLOW THE MORE STRINGENT OF THE TWO.

CHECK SLOTS SHALL BE 24" (600 MM) MINIMUM WIDTH AND SEPARATE STRIPS OF EROSION CONTROL PRODUCT PLACED AT RIGHT ANGLES TO THE DIRECTION OF WATER FLOW IMMEDIATELY PRIOR TO PLACING THE GENERAL COVERING OF THE PRODUCT. CHECK SLOTS SHALL BE MADE BY BURYING A TIGHT FOLD OF THE PRODUCT VERTICALLY IN THE SOIL A MINIMUM OF 6" (150 MM) DEEP, AND TAMPING AND STAPLING THE FOLD IN PLACE. CHECK SLOTS SHALL BE PLACED SO THAT ONE CHECK SLOT, JUNCTION SLOT, OR ANCHOR SLOT OF THE EROSION CONTROL PRODUCT OCCURS EVERY 50 FEET (15 M) OF SLOPE. IF THE MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION OF CHECK SLOTS ARE DIFFERENT THAN THOSE GIVEN HERE, THE CONTRACTOR WILL BE REQUIRED TO FOLLOW THE MORE STRINGENT OF THE TWO.

EACH STRIP SHALL BE STAPLED IN 3 ROWS, AT EACH EDGE AND THE CENTER, WITH STAPLES SPACED NOT MORE THAN 3 FEET (900 MM) LONGITUDINALLY. CHECK SLOTS AND ENDS OF STRIPS SHALL BE STAPLED AT 9" (225 MM) INTERVALS ACROSS THEIR WIDTH.

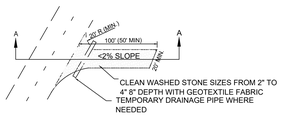
FOR TEMPORARY BLANKETS, STAPLES SHOULD BE U-SHAPED WIRE WITH AN 11-GAUGE THICKNESS OR GREATER. STAPLES SHOULD BE OF SUFFICIENT THICKNESS FOR SOIL PENETRATION WITHOUT UNDUE DISTORTION. THE LEGS OF THE STAPLES SHALL BE AT LEAST 6" LONG WITH A CROWN OF 1". APPROPRIATE BIODEGRADABLE STAPLES CAN BE USED IN LIEU OF WIRE STAPLES.

PERMANENT BLANKETS SHALL BE ANCHORED IN ONE OF TWO WAYS. BLANKETS CAN BE ANCHORED USING SOUND WOOD STAKES, 1" BY 3" STOCK SAWN IN A TRIANGULAR SHAPE. THE LENGTH OF THE STAKES SHALL BE FROM 12" TO 18" DEPENDING UPON THE SOIL COMPACTION AT THE SITE. STAKES SHALL BE INSTALLED ON 4 FEET CENTERS ALONG EACH EDGE OF THE BLANKET. BLANKETS CAN ALSO BE ANCHORED USING U SHAPED STAPLES OF 11 GAUGE STEEL OR GREATER WITH A MINIMUM LEG LENGTH OF 8" AND A 2" CROWN.

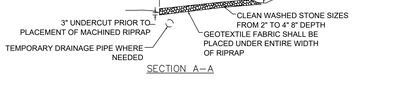


EROSION CONTROL BLANK ISOMETRIC VIEW

EB C4500 **EROSION CONTROL BLANKET DETAIL** NTS

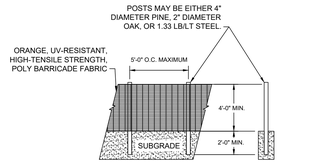


PLAN VIEW OF TEMPORARY CONSTRUCTION ROAD



SECTION A—A

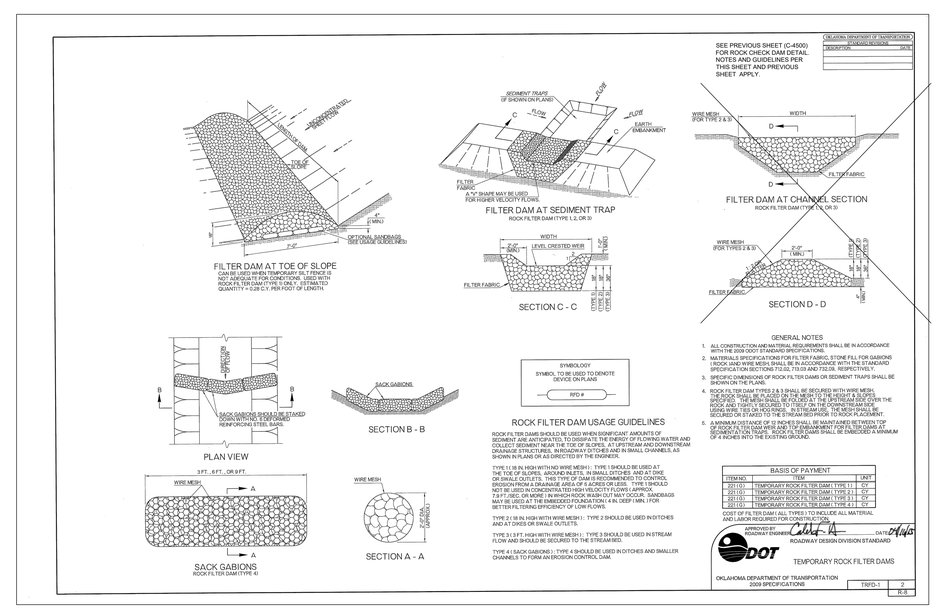
CE C4500 **CONSTRUCTION ENTRANCE DETAIL** NTS



MAINTENANCE SPECIFICATIONS

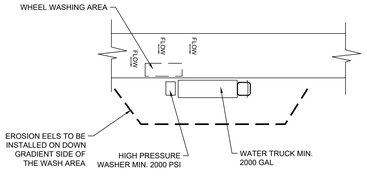
SHOULD THE FABRIC OF A PROTECTION FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

OF C4500 **ORANGE SAFETY FENCE DETAIL** NTS

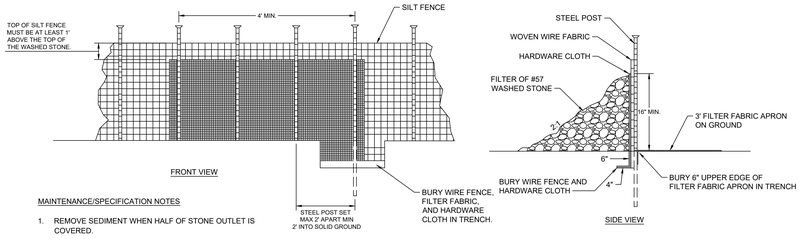


CD C4500 **ROCK CHECK DAM DETAIL** NTS

NOTES:
1. A FULL TIME INSPECTOR/WHEEL WASHER IS REQUIRED TO BE STATIONED AT THE CONSTRUCTION EXIT WHENEVER TRAFFIC IS ENTERING OR LEAVING THE SITE.
2. NO WHEEL WASH RUNOFF SHALL BE ALLOWED TO FLOW FROM THE SITE, OR TO THE STORM SEWER INLETS OR FLUMES.
3. WATER TRUCK AND PRESSURE WASHER SHALL REMAIN ON PAVED AREAS.



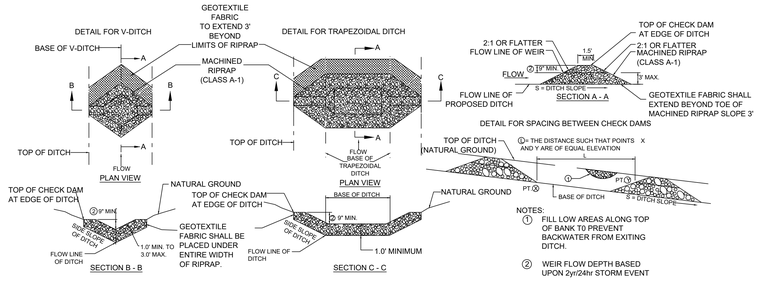
WW C4500 **WHEEL WASH DETAIL** NTS



MAINTENANCE/SPECIFICATION NOTES

1. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
2. REPLACE STONE AS NEEDED TO ENSURE DEWATERING.
3. SILT FENCE OUTLETS SHOULD NOT BE LOCATED WHERE THE OUTFLOW WILL ERODE THE SOIL BELOW.

FO C4500 **SILT FENCE OUTLET DETAIL** NTS



CD C4500 **ROCK CHECK DAM DETAIL** NTS

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-4500 EROSION CONTROL DETAILS 7/24/2025 5:30 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

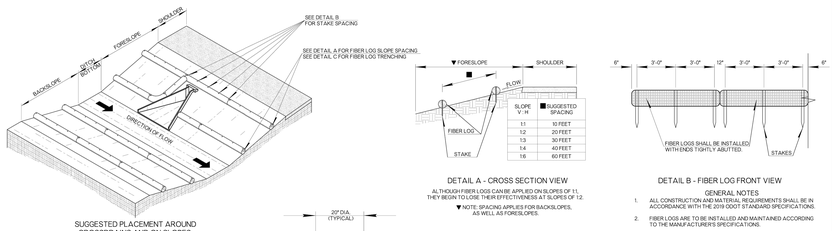
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS: TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4500
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



SUGGESTED PLACEMENT AROUND CROSSDRAINS AND ON SLOPES.

SLOPE V : H	■ SUGGESTED SPACING
1:1	10 FEET
1:2	20 FEET
1:3	30 FEET
1:4	40 FEET
1:6	60 FEET

DETAIL A - CROSS SECTION VIEW

ALTHOUGH FIBER LOGS CAN BE APPLIED ON SLOPES OF 1:1, THEY BEGIN TO LOSE THEIR EFFECTIVENESS AT SLOPES OF 1:2.

▼ NOTE: SPACING APPLIES FOR BACKSLOPES, AS WELL AS FORESLOPES.

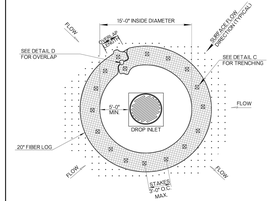
DETAIL B - FIBER LOG FRONT VIEW

GENERAL NOTES

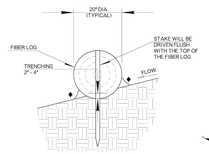
1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. FIBER LOGS ARE TO BE INSTALLED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
3. CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.
4. TRENCHING OF LOGS SHALL BE 3 TO 4 INCHES INTO SOIL. BEFORE TRENCHING, REMOVE ALL ROCKS, VEGETATION OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED LOGS WILL HAVE DIRECT CONTACT WITH SOIL. THERE SHALL NOT BE ANY GAPS BETWEEN THE LOGS AND THE SOIL.
5. STAKES DRIVEN INTO LOGS SHOULD BE MADE OF WOOD. METAL STAKES MAY BE USED IN PLACE OF WOOD STAKES IN AREAS WHERE WOOD STAKES ARE UNABLE TO BE DRIVEN, OR IF APPROVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT. WOOD STAKES SHALL BE 3/4 INCHES BY 3/4 INCHES, MINIMUM. LENGTH OF STAKES SHALL BE TWICE THE DIAMETER OF THE LOG.
6. THE FILLING INSIDE THE LOGS MAY BE MADE OF STRAW, EXCELSIOR, COIR OR OTHER SIMILAR MATERIAL AS APPROVED BY THE ENGINEER. FIBER NET SURROUNDING THE LOG MAY BE SYNTHETIC MATERIAL OR A NATURAL FIBER.
7. OVERLAP ENDS OF FIBER LOG SO THAT ONE END IS IMMEDIATELY UPSTREAM OF THE OTHER AND TOUCHING EACH OTHER. OVERLAP DISTANCE SHALL BE IS TO 24 INCHES OR PER MANUFACTURER'S RECOMMENDATION.
8. MAINTENANCE SHALL INCLUDE THE REMOVAL OF SEDIMENT WHEN HALF OF THE HEIGHT OF THE FIBER LOG HAS BEEN FILLED OR AS DIRECTED BY THE ENGINEER.
9. COST OF TEMPORARY FIBER LOG SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR THE INSTALLATION AND MAINTENANCE.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
221(0)	TEMPORARY FIBER LOG	LF

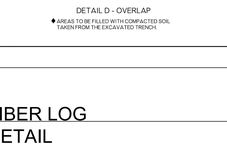


FIBER LOG INLET PROTECTION PLAN VIEW



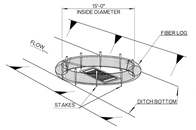
DETAIL C - TRENCHING

♦ ARE AS TO BE FILLED WITH COMPACTED SOIL TAKEN FROM THE EXCAVATED TRENCH.



DETAIL D - OVERLAP

♦ AREAS TO BE FILLED WITH COMPACTED SOIL TAKEN FROM THE EXCAVATED TRENCH.



FIBER LOG INLET PROTECTION (AFTER INLET IS CONSTRUCTED AND BACKFILLED)

SYMBOLOGY

SYMBOL TO BE USED TO DENOTE DEVICE ON PLANS

FIBER LOG INLET PROTECTION — IP1

TEMPORARY FIBER LOG TO BE USED ON SLOPES

APPROVED BY ROADWAY ENGINEER: RWE DATE: 6/24/25
ROADWAY DESIGN DIVISION STANDARD

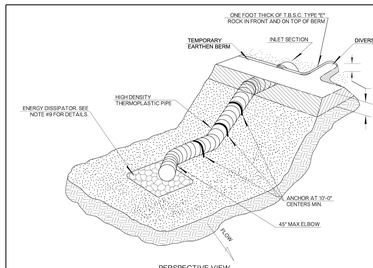
TEMPORARY FIBER LOG APPLICATIONS

OKLAHOMA Transportation

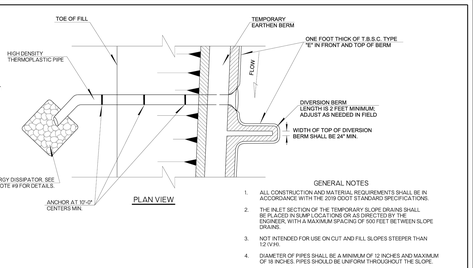
2019 SPECIFICATIONS

TFL	0
	R-8

FL C4501 FIBER LOG DETAIL NTS



PERSPECTIVE VIEW



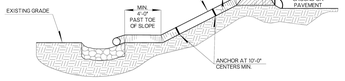
PLAN VIEW

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. THE INLET SECTION OF THE TEMPORARY SLOPE DRAINS SHALL BE PLACED IN SUMP LOCATIONS OR AS DIRECTED BY THE ENGINEER, WITH A MAXIMUM SPACING OF 500 FEET BETWEEN SLOPE DRAINS.
3. NOT INTENDED FOR USE ON CUT AND FILL SLOPES STEEPER THAN 1:2 (V:H).
4. DIAMETER OF PIPES SHALL BE A MINIMUM OF 12 INCHES AND MAXIMUM OF 18 INCHES. PIPES SHOULD BE UNIFORM THROUGHOUT THE SLOPE.
5. ENTRANCE SECTION MUST BE SECURELY ENTRENCHED AND ALL CONNECTIONS WATERTIGHT.
6. THE CONDUIT SHOULD BE SECURELY STAKED TO THE SLOPE.
7. INLET PIPE SHOULD HAVE A MINIMUM SLOPE OF 2%.
8. SLOPE DRAIN SHOULD EXTEND A MINIMUM OF 4 FEET PAST THE TOE OF SLOPE AND OUTLET SHOULD HAVE LESS THAN 1% SLOPE.
9. ENERGY DISSIPATOR SHALL BE 5 FT. X 5 FT. X 1 FT. OR AS DIRECTED BY THE ENGINEER. STONE FOR ENERGY DISSIPATOR SHALL BE RIPRAP STONE OR MATERIAL MADE OF CRUSHED NON-EROSIVE ROCK THAT IS FREE OF ALL FINES, CLAYS AND SILTS AND OF SUFFICIENT SIZE TO PREVENT DOWNSTREAM MOVEMENT.
10. THE SOIL AROUND AND UNDER THE INLET PIPE AND ENTRANCE SECTION SHALL BE HAND TAMPED IN 4 INCH LIFTS TO THE TOP OF THE TEMPORARY EARTHEN BERM.
11. DIVERSION BERMS, INSTALLED PERPENDICULAR TO THE LONGITUDINAL DIRECTION OF THE HIGHWAY, MAY BE MADE OF SOIL, SAND BAGS, OR SILT SAC. SIDE SLOPES OF THE DIVERSION BERM SHALL BE 2H:1V OR FLATTER.
12. PRICE BID FOR TEMPORARY SLOPE DRAIN SHALL INCLUDE COST OF ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE AND REMOVAL.
13. IF DIVERSION BERMS ARE LEFT IN PLACE LONGER THAN 14 CALENDAR DAYS, THEY SHALL BE STABILIZED TO PREVENT SEDIMENT RUNOFF.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
221(A)	TEMPORARY SLOPE DRAIN	LF



PROFILE VIEW
(DIVERSION BERM NOT SHOWN)

SYMBOLOGY

SYMBOL TO BE USED TO DENOTE DEVICE ON PLANS

TSD

APPROVED BY ROADWAY ENGINEER: RWE DATE: 6/24/25
ROADWAY DESIGN DIVISION STANDARD

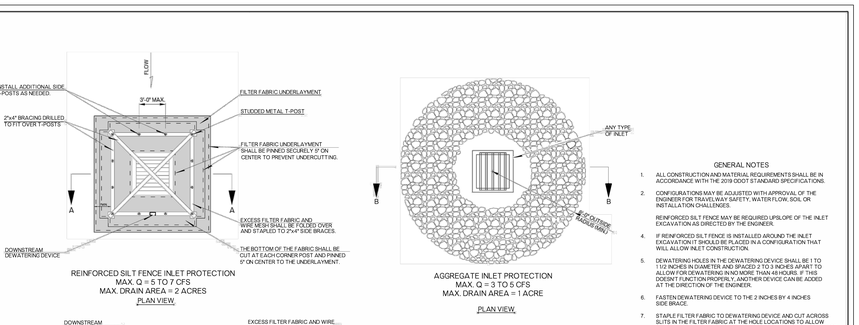
TEMPORARY SLOPE DRAIN

OKLAHOMA Transportation

2019 SPECIFICATIONS

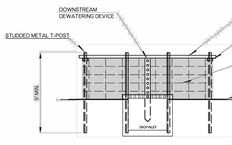
SD	0
	R-12

SD C4501 TEMPORARY SLOPE DRAIN DETAIL NTS



REINFORCED SILT FENCE INLET PROTECTION
MAX. Q = 5 TO 7 CFS
MAX. DRAIN AREA = 2 ACRES

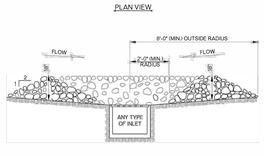
PLAN VIEW



SECTION A-A

AGGREGATE INLET PROTECTION
MAX. Q = 3 TO 5 CFS
MAX. DRAIN AREA = 1 ACRE

PLAN VIEW



SECTION B-B

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.

   REINFORCED SILT FENCE MAY BE REQUIRED UPSLOPE OF THE INLET EXCAVATION AS DIRECTED BY THE ENGINEER.
4. IF REINFORCED SILT FENCE IS INSTALLED AROUND THE INLET EXCAVATION IT SHOULD BE PLACED IN A CONFIGURATION THAT WILL ALLOW INLET CONSTRUCTION.
5. DEWATERING HOLES IN THE DEWATERING DEVICE SHALL BE 1 TO 1 1/2 INCHES IN DIAMETER AND SPACED 2 1/2 TO 3 INCHES APART TO ALLOW FOR DEWATERING. IN MORE THAN 48 HOURS IF THIS DOESN'T FUNCTION PROPERLY, ANOTHER DEVICE CAN BE ADDED AT THE DIRECTION OF THE ENGINEER.
6. FASTEN DEWATERING DEVICE TO THE 2 INCHES BY 4 INCHES SIDE BRACE.
7. STAPLE FILTER FABRIC TO DEWATERING DEVICE AND CUT ACROSS SLITS IN THE FILTER FABRIC AT THE HOLE LOCATIONS TO ALLOW WATER TO FLOW THROUGH. PROVIDE FILTER FABRIC IN ACCORDANCE WITH AASHTO M 288 SPECIFICATION.
8. PRICE BID FOR THE REINFORCED SILT FENCE INLET PROTECTION WILL INCLUDE FILTER FABRIC, POSTS, WIRE MESH, WOOD BRACING, DEWATERING DEVICE AND ALL INCIDENTALS REQUIRED TO COMPLETE ITS INSTALLATION. THIS INLET PROTECTION DEVICE SHALL BE PAID FOR AS TEMPORARY INLET SEDIMENT FILTER, WITH UNITS OF EACH.

   ROCK GRADATION FOR THE AGGREGATE INLET PROTECTION ITEM TEMPORARY SEDIMENT FILTER SHALL BE AS FOLLOWS:

PERCENT PASSING	SIEVE SIZE
100	4 INCH
90-100	3.5 INCH
25-60	2.5 INCH
0-15	1.5 INCH
0-5	3/4 INCH

10. COST FOR ALL MATERIALS, LABOR AND MAINTENANCE OF THE AGGREGATE INLET PROTECTION SHALL BE PAID FOR AS TEMPORARY INLET SEDIMENT FILTER, WITH UNITS OF EACH.
11. INLET PROTECTION DEVICES SHALL BE LEFT IN PLACE UNTIL THE DRAINAGE AREA IS PERMANENTLY STABILIZED WITH ESTABLISHED VEGETATION OR PAVEMENT.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
221(I)	SPL(TEMPORARY INLET SEDIMENT FILTER	EA

SYMBOLOGY

SYMBOL TO BE USED TO DENOTE DEVICE ON PLANS

AGGREGATE INLET PROTECTION — IP2

REINFORCED SILT FENCE INLET PROTECTION — IP3

APPROVED BY ROADWAY ENGINEER: RWE DATE: 6/24/25
ROADWAY DESIGN DIVISION STANDARD

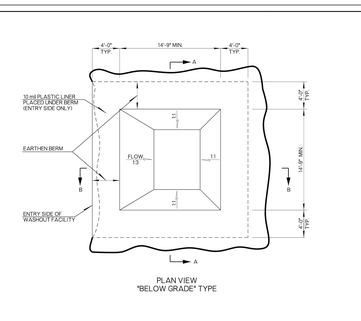
INLET PROTECTION
(AGGREGATE AND REINFORCED SILT FENCE APPLICATIONS)

OKLAHOMA Transportation

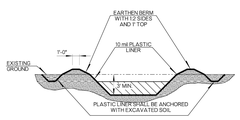
2019 SPECIFICATIONS

IPD	0
	R-5

IP C4501 INLET PROTECTION DETAIL NTS

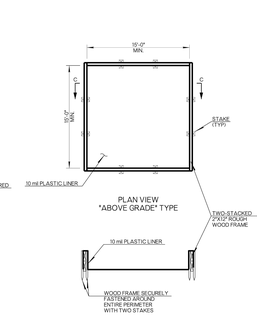


PLAN VIEW
"BELOW GRADE" TYPE



SECTION A-A

SECTION B-B



PLAN VIEW
"ABOVE GRADE" TYPE

SECTION C-C

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 220.04 (H2) OF THE 2019 ODOT STANDARD SPECIFICATIONS.
2. TEMPORARY CONCRETE WASHOUT DEVICES SHOULD BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. WASHOUT DEVICE SHOULD BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
3. PROVIDE A WASHOUT AREA A MINIMUM OF 50 FEET AWAY FROM INLETS, SWALES, DRAINAGE WAYS AND CHANNELS. IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO, IN NO CASE SHALL THE CONCRETE WASHOUT DEVICE BE INSTALLED CLOSER THAN 20 FEET FROM INLETS, SWALES, DRAINAGE WAYS AND CHANNELS.
4. PLASTIC LINER SHALL CONFORM TO ASTM D-4397, BE A MINIMUM OF 10 MIL (0.10 INCHES) THICK, AND FREE OF ALL TEARS AND HOLES AND BE IMPERMEABLE.
5. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE LOCATION OF THE CONCRETE WASHOUT DEVICE, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE FACILITY TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
6. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
7. THE CONCRETE WASHOUT DEVICE SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE, AND SHOULD REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
8. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED, ALONG WITH THE PLASTIC LINER, ONCE THE PIT HAS REACHED 50% CAPACITY, USING SUITABLE WATER TIGHT CONTAINERS AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS OR IN A MANNER APPROVED BY THE RESIDENT ENGINEER.
9. ALL MATERIALS, LABOR AND SIGNS NEEDED TO CONSTRUCT AND MAINTAIN THE CONCRETE WASHOUT DEVICE SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
10. ALTERNATE DESIGNS OF THE CONCRETE WASHOUT DEVICE MAY BE USED IF APPROVED BY THE ENGINEER.

APPROVED BY ROADWAY ENGINEER: RWE DATE: 6/24/25
ROADWAY DESIGN DIVISION STANDARD

CONCRETE WASHOUT APPLICATIONS

OKLAHOMA Transportation

2019 SPECIFICATIONS

CWA	0
	R-13

CW C4501 CONCRETE WASHOUT AREA DETAIL NTS

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS			DRAWN:
NO.	DATE	DESCRIPTION	
0.1	2025/07/07	SPS 35% DESIGN	
0.2	2025/08/18	SPS 65% DESIGN	
			APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

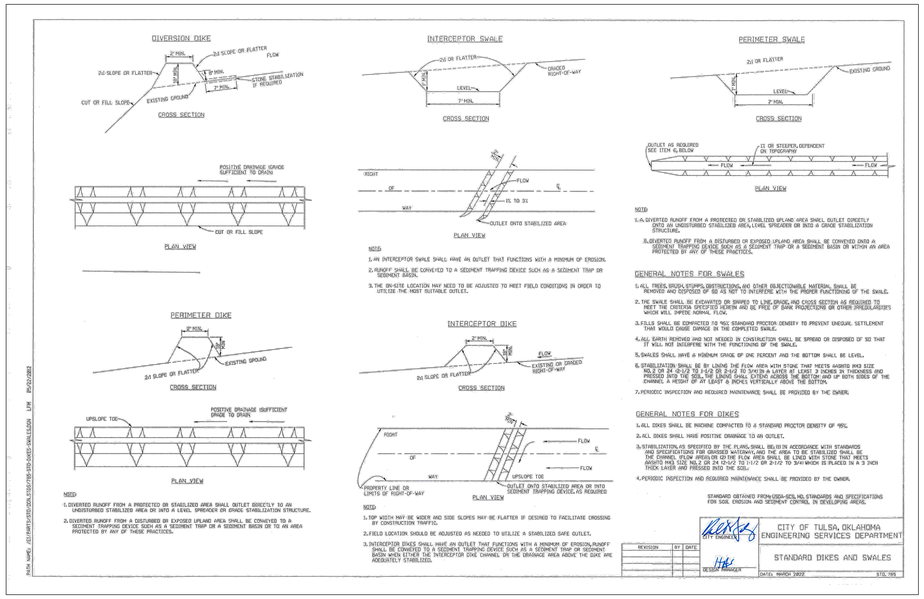
PROJ. NO.: 10434525

EROSION CONTROL DETAILS

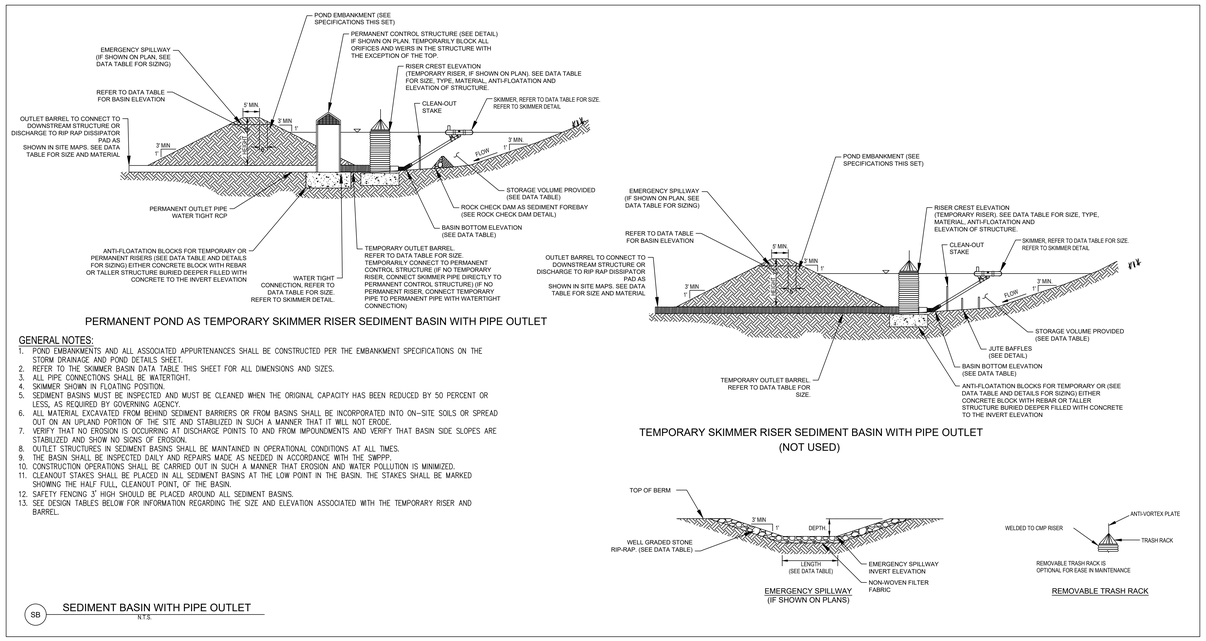
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4501

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



DD (c4502) DIVERSION DITCH DETAIL — NTS



PERMANENT POND AS TEMPORARY SKIMMER RISER SEDIMENT BASIN WITH PIPE OUTLET

GENERAL NOTES:

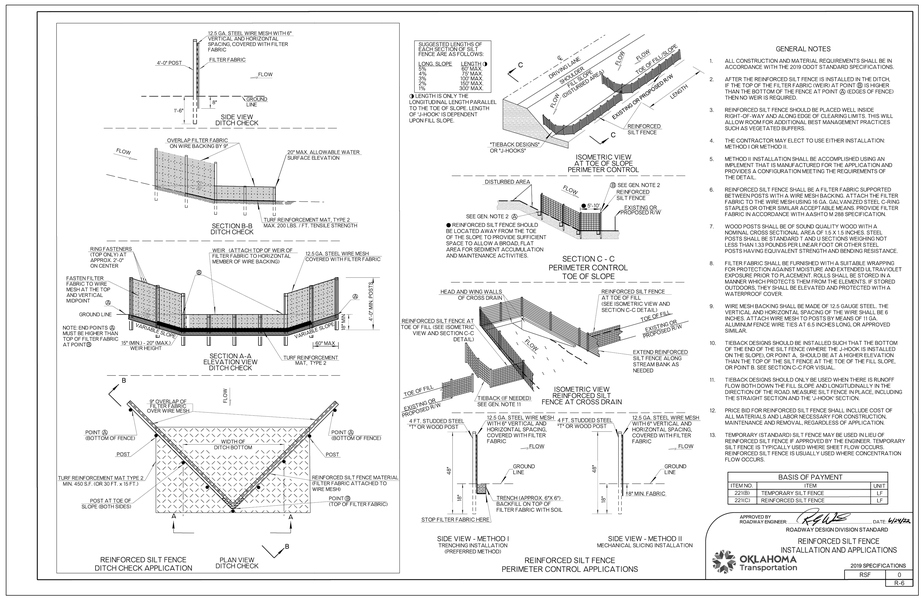
1. POND EMBANKMENTS AND ALL ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED PER THE EMBANKMENT SPECIFICATIONS ON THE STORM DRAINAGE AND POND DETAILS SHEET.
2. REFER TO THE SKIMMER BASIN DATA TABLE THIS SHEET FOR ALL DIMENSIONS AND SIZES.
3. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
4. SKIMMER SHOWN IN FLOATING POSITION.
5. SEDIMENT BASINS MUST BE INSPECTED AND MUST BE CLEANED WHEN THE ORIGINAL CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR LESS, AS REQUIRED BY GOVERNING AGENCY.
6. ALL MATERIAL EXCAVATED FROM BEHIND SEDIMENT BARRIERS OR FROM BASINS SHALL BE INCORPORATED INTO ON-SITE SOILS OR SPREAD OUT ON AN UPLAND PORTION OF THE SITE AND STABILIZED IN SUCH A MANNER THAT IT WILL NOT ERODE.
7. VERIFY THAT NO EROSION IS OCCURRING AT DISCHARGE POINTS TO AND FROM IMPOUNDMENTS AND VERIFY THAT BASIN SIDE SLOPES ARE STABILIZED AND SHOW NO SIGNS OF EROSION.
8. OUTLET STRUCTURES IN SEDIMENT BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES.
9. THE BASIN SHALL BE INSPECTED DAILY AND REPAIRS MADE AS NEEDED IN ACCORDANCE WITH THE SWPPP.
10. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
11. CLEANOUT STAKES SHALL BE PLACED IN ALL SEDIMENT BASINS AT THE LOW POINT IN THE BASIN. THE STAKES SHALL BE MARKED SHOWING THE HALF FULL, CLEANOUT POINT, OF THE BASIN.
12. SAFETY FENCING 3' HIGH SHOULD BE PLACED AROUND ALL SEDIMENT BASINS.
13. SEE DESIGN TABLES BELOW FOR INFORMATION REGARDING THE SIZE AND ELEVATION ASSOCIATED WITH THE TEMPORARY RISER AND BARREL.

SB SEDIMENT BASIN WITH PIPE OUTLET — N.T.S.

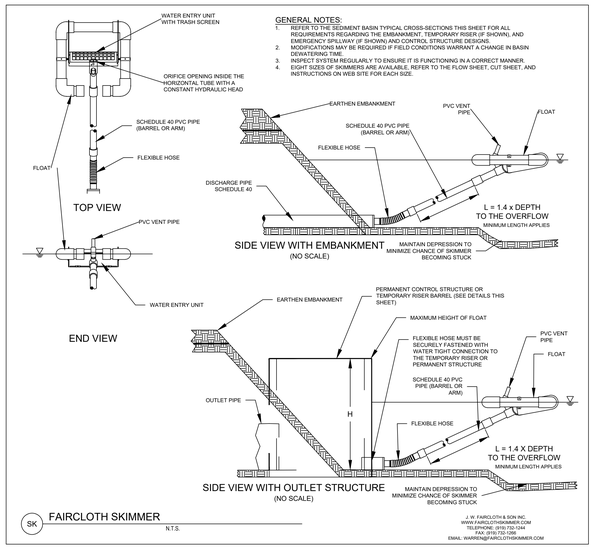
TEMPORARY SKIMMER RISER SEDIMENT BASIN WITH PIPE OUTLET
(NOT USED)

EMERGENCY SPILLWAY (IF SHOWN ON PLANS)

REMOVABLE TRASH RACK



JH (c4502) REINFORCED J-HOOK SILT FENCE DETAIL — NTS

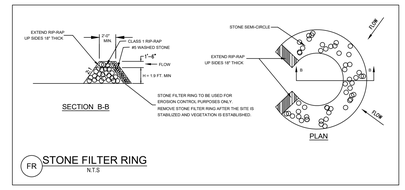


GENERAL NOTES:

1. REFER TO THE SEDIMENT BASIN TYPICAL CROSS-SECTIONS THIS SHEET FOR ALL REQUIREMENTS REGARDING THE EMBANKMENT, TEMPORARY RISER (IF SHOWN), AND EMERGENCY SPILLWAY (IF SHOWN) AND CONTROL STRUCTURE DESIGNS.
2. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE IN BASIN DEWATERING TIME.
3. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
4. EIGHT SIZES OF SKIMMERS ARE AVAILABLE. REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

SK FAIRCLOTH SKIMMER — N.T.S.

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (910) 732-1344
FAX: (910) 732-1356
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM



FR STONE FILTER RING — N.T.S.

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS: TULSA COUNTY, OK
PROJ. NO.: 10434525

EROSION CONTROL DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-4502
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PHASE: SPS 65% DESIGN

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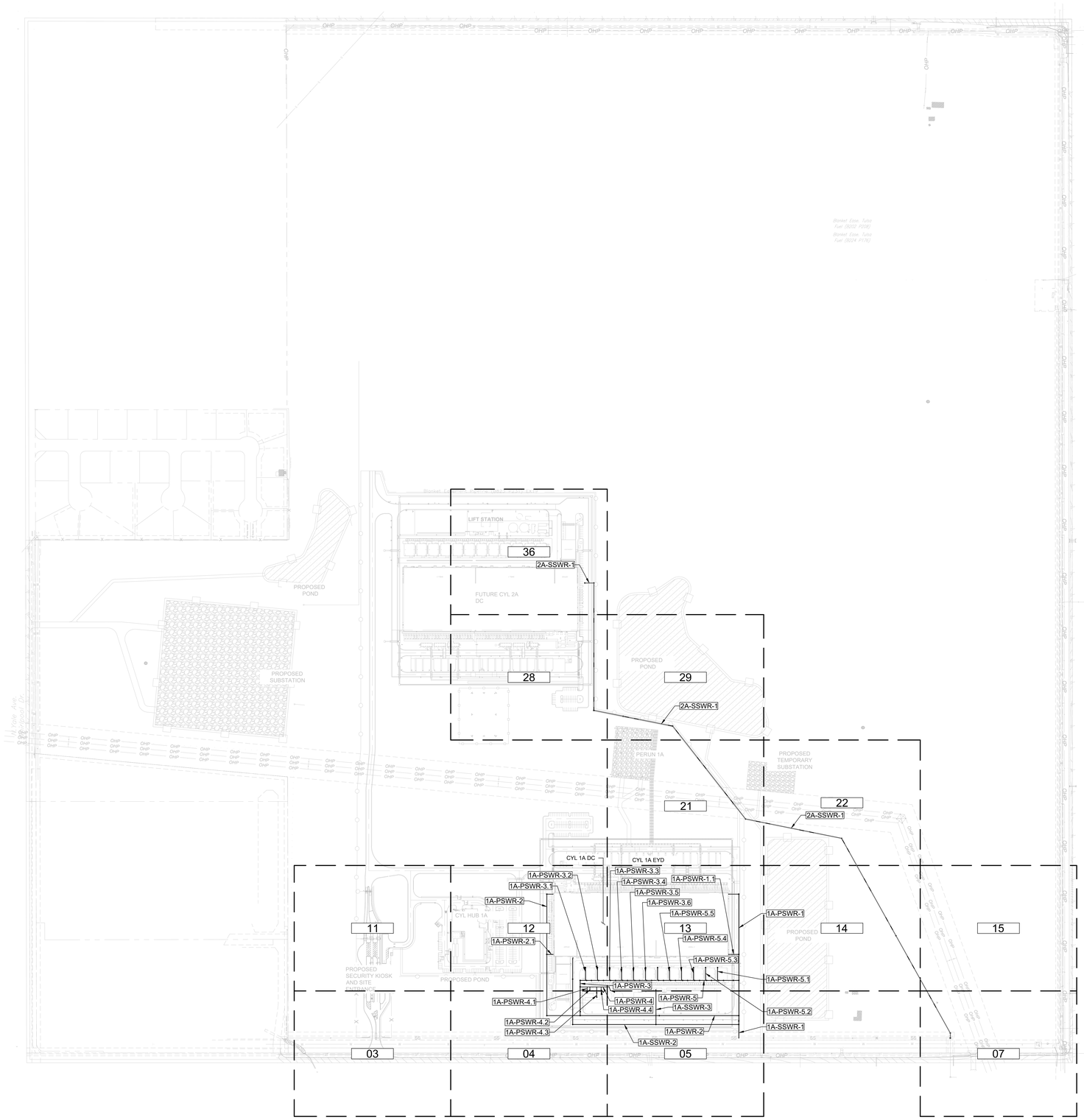

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N

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SCALE IN FEET

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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

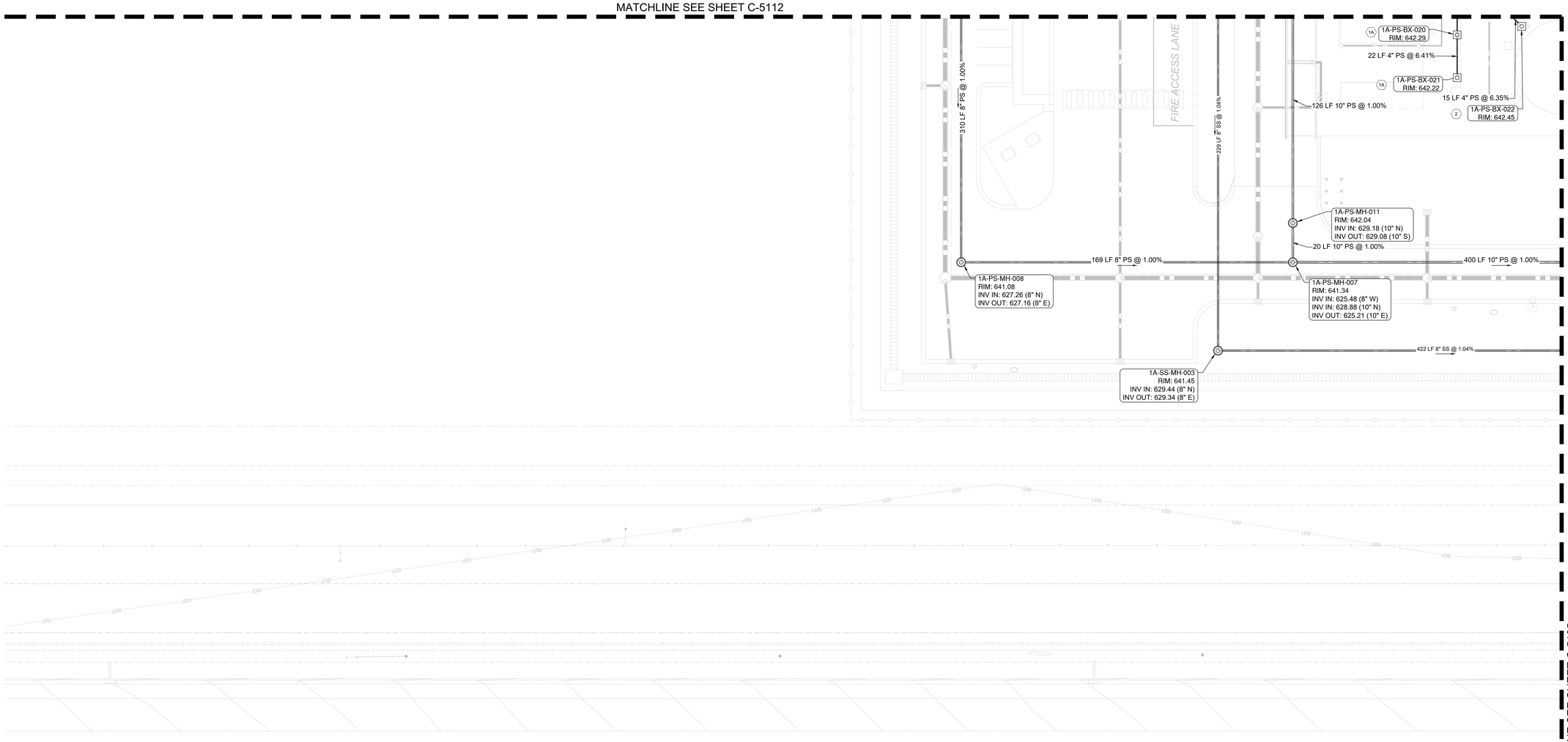
SANITARY SEWER PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET C-5112



LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

CONSTRUCTION NOTES

1. "BX" INDICATES A WYE WITH VERTICAL PIPE TO SURFACE AT BOTTOM OF PROCESS SEWER DRAIN BOX.
   - 1A DRAIN BOX A - SEE DETAIL 4/1A-C-5500
   - 1B DRAIN BOX B - SEE DETAIL 4/1A-C-5500
2. "BX" INDICATES A WYE WITH A VERTICAL PIPE TO SURFACE AT BOTTOM OF MWT DRAIN BOX - SEE DETAIL 1/1A-C-5500.
3. EXTERIOR GRAVITY CLEANOUT - SEE DETAIL 2/1A-C-5500.

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 1A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
3. ALL BEND NAMES, STATIONS, AND ANGLES ARE SHOWN IN PROFILE SHEETS.
4. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

MATCHLINE SEE SHEET C-5105

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5101 SANITARY SEWER PLAN 8/15/2025 1:32 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

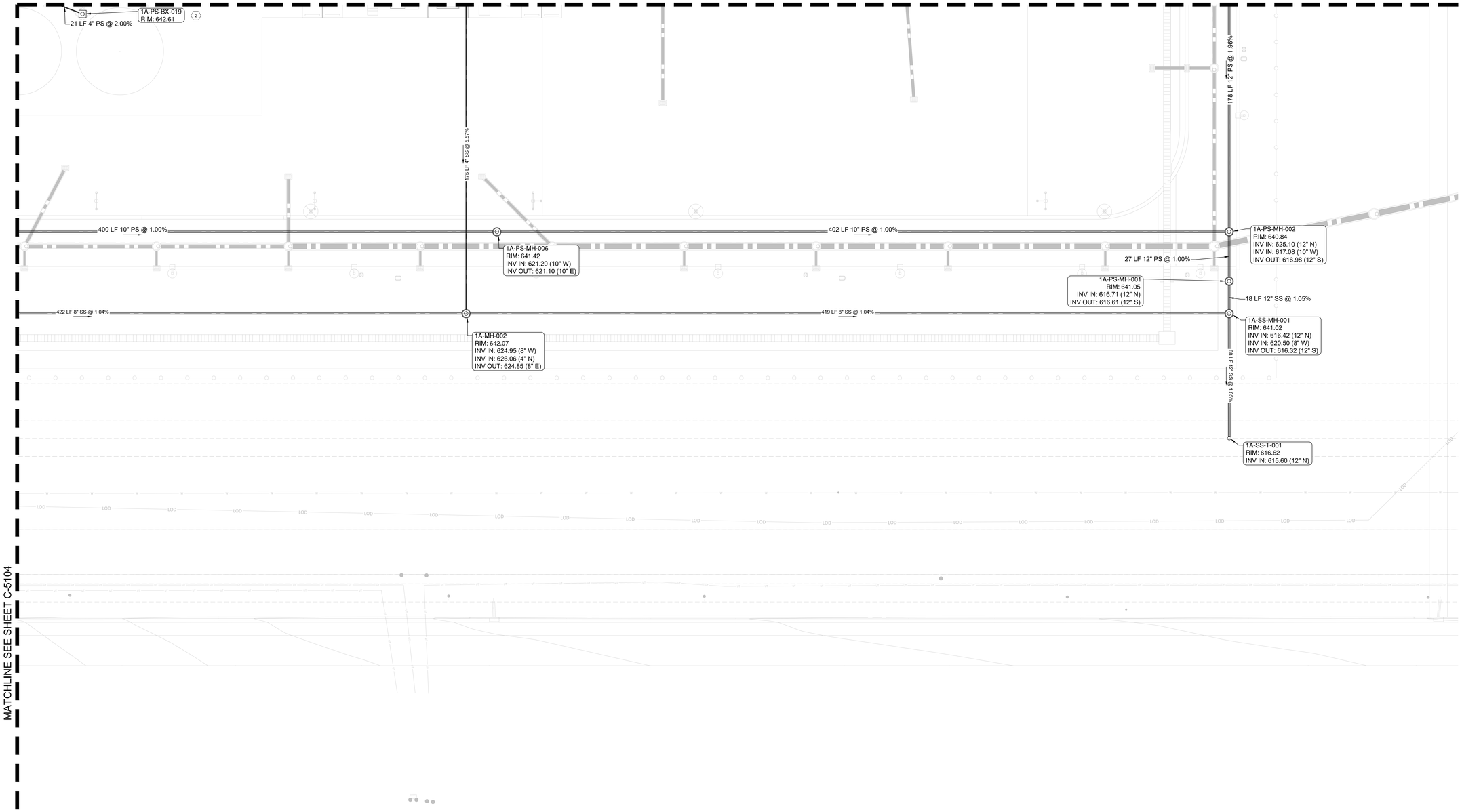
SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET C-5113



MATCHLINE SEE SHEET C-5104

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

CONSTRUCTION NOTES

1. "BX" INDICATES A WYE WITH VERTICAL PIPE TO SURFACE AT BOTTOM OF PROCESS SEWER DRAIN BOX.
   - 1A DRAIN BOX A - SEE DETAIL 4/1A-C-5500
   - 1B DRAIN BOX B - SEE DETAIL 4/1A-C-5500
2. "BX" INDICATES A WYE WITH A VERTICAL PIPE TO SURFACE AT BOTTOM OF MWT DRAIN BOX - SEE DETAIL 1/1A-C-5500.
3. EXTERIOR GRAVITY CLEANOUT - SEE DETAIL 2/1A-C-5500.

NOTES

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2. SEE SHEET 1A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
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N

0' 10' 20' 40'
SCALE IN FEET

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1601 UTICA AVE. SOUTH
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STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

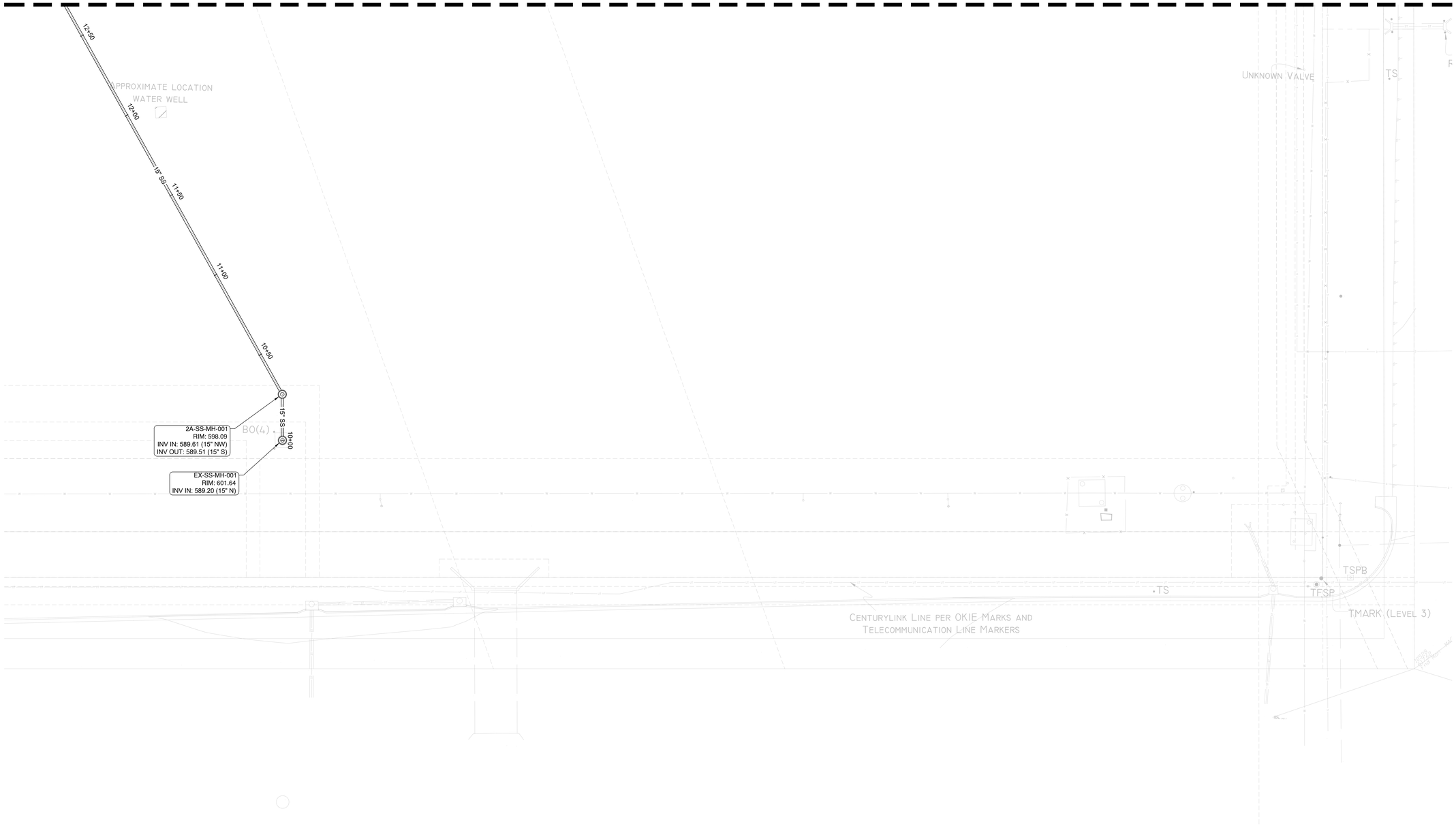
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SANITARY SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5105
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5101 SANITARY SEWER PLAN 8/15/2025 1:32 PM

MATCHLINE SEE SHEET 1A-C-5115



LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 2A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5106 SANITARY SEWER PLAN 8/15/2025 1:31 PM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

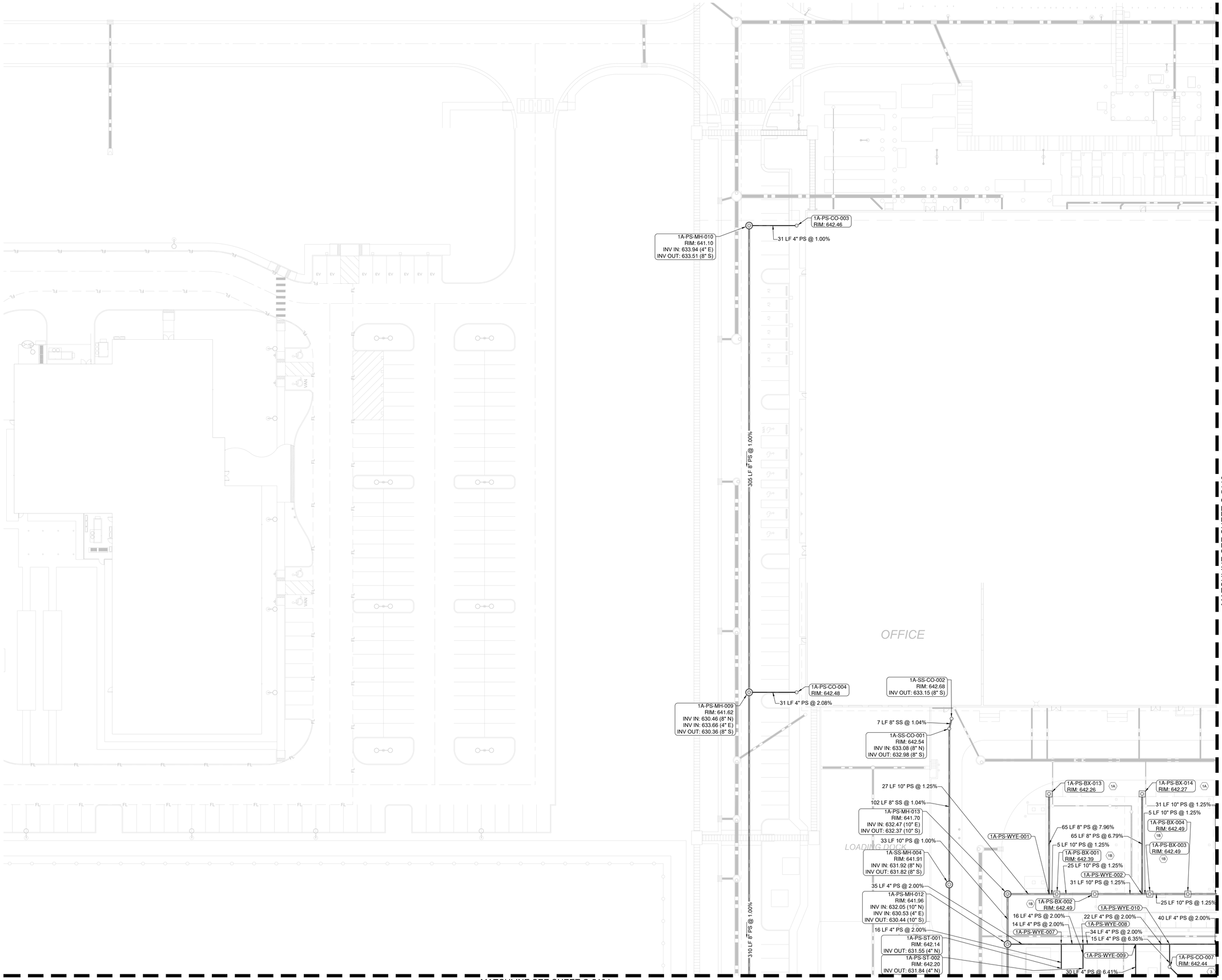
PROJ. NO.: 10434525

SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5107

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5101 SANITARY SEWER PLAN 8/15/2025 1:32 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SANITARY SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5112
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET C-5120

MATCHLINE SEE SHEET C-5112

MATCHLINE SEE SHEET C-5114

MATCHLINE SEE SHEET C-5105

SHELL 1

SHELL 2

1A-PS-CO-001
RIM: 642.45

51 LF 4" PS @ 4.00%

1A-PS-MH-005
RIM: 641.21
INV IN: 633.12 (4" W)
INV OUT: 632.68 (8" S)

305 LF 8" PS @ 0.60%

1A-PS-CO-002
RIM: 642.45

51 LF 4" PS @ 8.75%

1A-PS-MH-004
RIM: 641.66
INV IN: 630.86 (8" N)
INV IN: 631.79 (4" W)
INV OUT: 630.76 (8" S)

132 LF 8" PS @ 0.88%

1A-PS-MH-003
RIM: 641.35
INV IN: 629.60 (8" N)
INV IN: 633.44 (10" W)
INV OUT: 628.60 (12" S)

1A-PS-MH-014
RIM: 641.66
INV IN: 633.82 (10" W)
INV OUT: 633.72 (10" E)

1A-PS-BX-015 RIM: 642.27
1A-PS-BX-016 RIM: 642.27
1A-PS-BX-017 RIM: 642.27
1A-PS-BX-018 RIM: 642.27
1A-PS-BX-035 RIM: 642.27
1A-PS-BX-040 RIM: 642.27
1A-PS-BX-039 RIM: 642.27
1A-PS-BX-038 RIM: 642.27
1A-PS-BX-037 RIM: 642.27
1A-PS-BX-036 RIM: 642.27

65 LF 8" PS @ 5.63%
8 LF 10" PS @ 1.25%
5 LF 10" PS @ 1.25%
25 LF 10" PS @ 1.25%
23 LF 10" PS @ 1.25%
65 LF 8" PS @ 4.47%
5 LF 10" PS @ 1.25%
31 LF 10" PS @ 1.25%
25 LF 10" PS @ 1.25%
65 LF 8" PS @ 3.36%
5 LF 10" PS @ 1.25%
31 LF 10" PS @ 1.25%
65 LF 10" PS @ 1.00%
65 LF 8" PS @ 2.20%
5 LF 10" PS @ 1.25%
25 LF 10" PS @ 1.25%
25 LF 10" PS @ 1.25%
5 LF 10" PS @ 1.00%
31 LF 10" PS @ 1.00%
65 LF 8" PS @ 1.52%
65 LF 8" PS @ 2.44%
5 LF 10" PS @ 1.00%
11 LF 10" PS @ 1.00%
25 LF 10" PS @ 1.00%
65 LF 8" PS @ 3.37%
5 LF 10" PS @ 1.00%
31 LF 10" PS @ 1.00%
25 LF 10" PS @ 1.00%
65 LF 8" PS @ 4.30%
5 LF 10" PS @ 1.00%
25 LF 10" PS @ 1.00%
31 LF 10" PS @ 1.00%
65 LF 8" PS @ 5.23%
5 LF 10" PS @ 1.00%
25 LF 10" PS @ 1.00%
31 LF 10" PS @ 1.00%
5 LF 10" PS @ 1.00%
50 LF 10" PS @ 1.00%
25 LF 10" PS @ 1.00%
28 LF 10" PS @ 1.00%

1A-PS-CO-006 RIM: 642.98
1A-PS-CO-006 RIM: 642.99
1A-PS-CO-009 RIM: 642.49
1A-PS-CO-008 RIM: 642.99
1A-PS-CO-005 RIM: 642.72
1A-PS-CO-006 RIM: 642.64
20 LF 4" PS @ 2.00%

1A-PS-BX-007 RIM: 642.49
1A-PS-BX-009 RIM: 642.49
1A-PS-BX-034 RIM: 642.49
1A-PS-BX-032 RIM: 642.49
1A-PS-BX-030 RIM: 642.49
1A-PS-BX-028 RIM: 642.49
1A-PS-BX-026 RIM: 642.49
1A-PS-BX-024 RIM: 642.49
1A-PS-BX-023 RIM: 642.49
1A-PS-BX-005 RIM: 642.49
1A-PS-BX-006 RIM: 642.49
1A-PS-BX-008 RIM: 642.49
1A-PS-BX-011 RIM: 642.49
1A-PS-BX-010 RIM: 642.49
1A-PS-BX-012 RIM: 642.49
1A-PS-BX-033 RIM: 642.49
1A-PS-BX-031 RIM: 642.49
1A-PS-BX-029 RIM: 642.49
1A-PS-BX-027 RIM: 642.49
1A-PS-BX-025 RIM: 642.49

1A-PS-WYE-003
1A-PS-WYE-004
1A-PS-WYE-005
1A-PS-WYE-006
1A-PS-WYE-015
1A-PS-WYE-014
1A-PS-WYE-013
1A-PS-WYE-012
1A-PS-WYE-011

1A-SS-CO-003
RIM: 642.11
INV OUT: 635.82 (4" S)

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

CONSTRUCTION NOTES

1. "BX" INDICATES A WYE WITH VERTICAL PIPE TO SURFACE AT BOTTOM OF PROCESS SEWER DRAIN BOX.
   - 1A. DRAIN BOX A - SEE DETAIL 4/1A-C-5500
   - 1B. DRAIN BOX B - SEE DETAIL 4/1A-C-5500
2. "BX" INDICATES A WYE WITH A VERTICAL PIPE TO SURFACE AT BOTTOM OF MWT DRAIN BOX - SEE DETAIL 1/1A-C-5500.
3. EXTERIOR GRAVITY CLEANOUT - SEE DETAIL 2/1A-C-5500.

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 1A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5101 SANITARY SEWER PLAN 8/15/2025 1:32 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SANITARY SEWER PLAN
SCALE: AS SHOWN

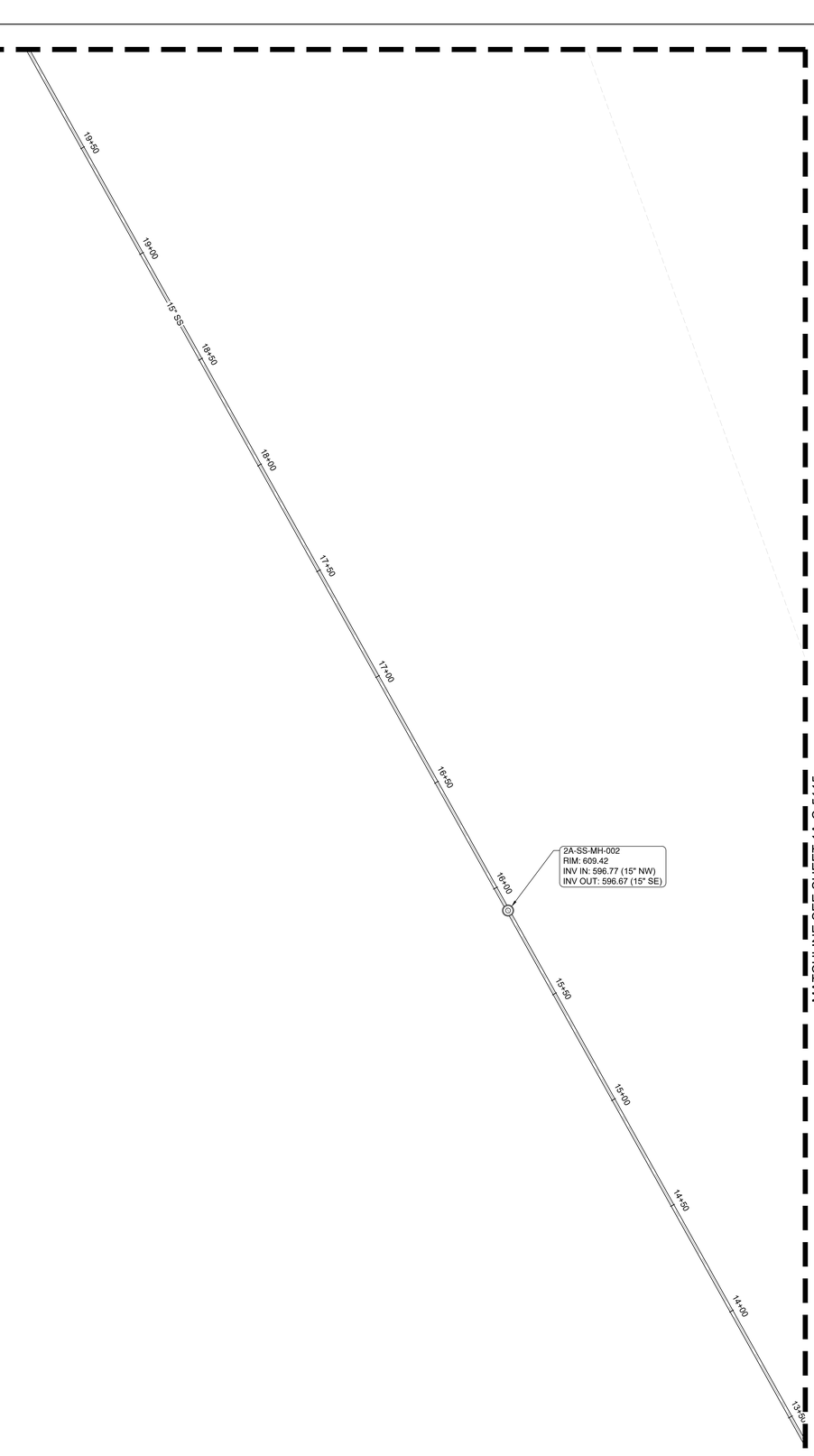
SHEET NUMBER:
1A-C-5113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-5122

MATCHLINE SEE SHEET 1A-C-5113

MATCHLINE SEE SHEET 1A-C-5115



LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 2A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
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APPROXIMATE LOCATION OF OLD BARNS

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5106 SANITARY SEWER PLAN 8/15/2025 1:31 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5114

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-5114

13+00

MATCHLINE SEE SHEET 1A-C-5107

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

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3. ALL BEND NAMES, STATIONS, AND ANGLES ARE SHOWN IN PROFILE SHEETS.
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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-5107

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SANITARY SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5115
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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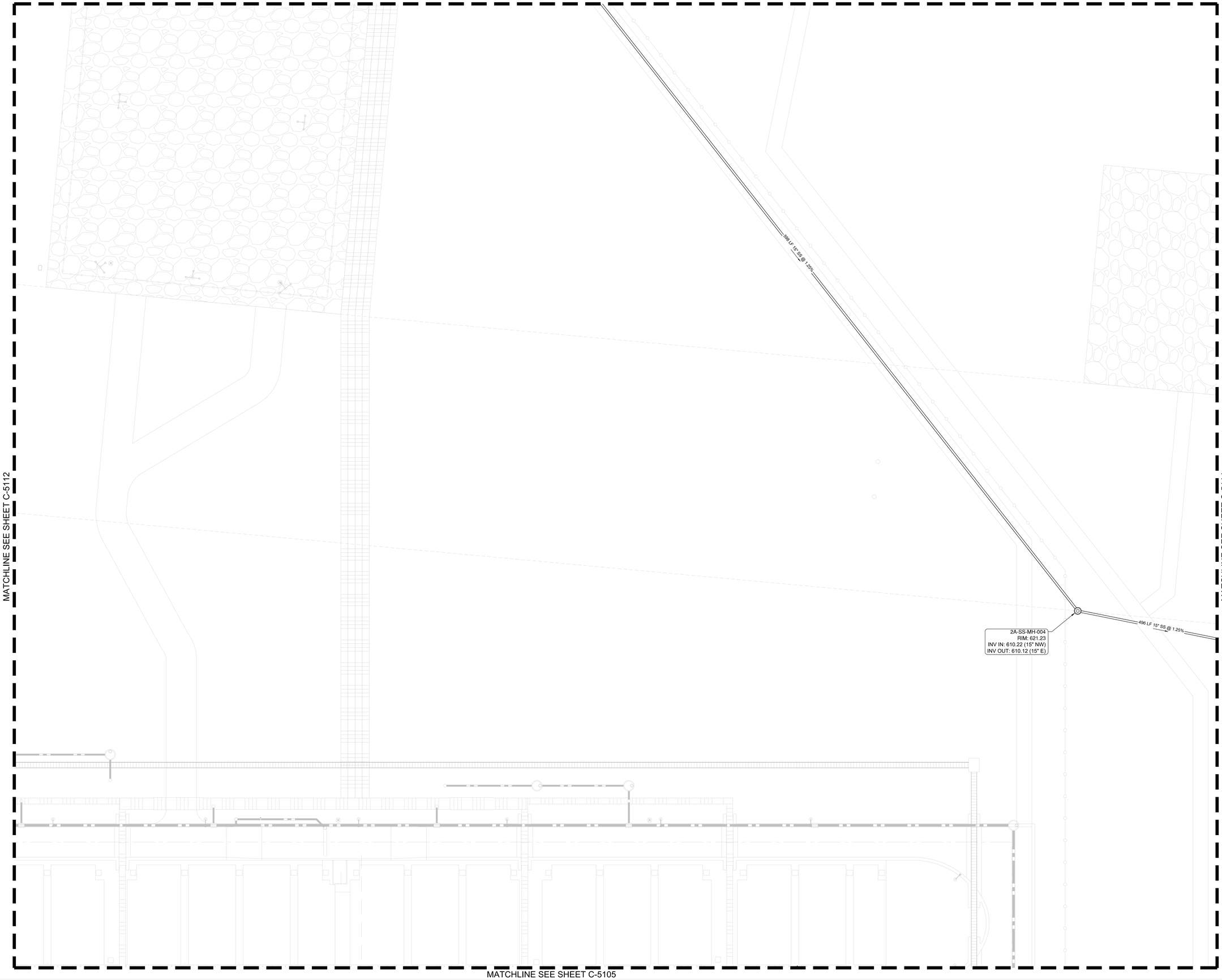
MATCHLINE SEE SHEET C-5129

MATCHLINE SEE SHEET C-5112

MATCHLINE SEE SHEET C-5114

MATCHLINE SEE SHEET C-5105



LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

CONSTRUCTION NOTES

1. "BX" INDICATES A WYE WITH VERTICAL PIPE TO SURFACE AT BOTTOM OF PROCESS SEWER DRAIN BOX.
   - 1A. DRAIN BOX A - SEE DETAIL 4/1A-C-5500
   - 1B. DRAIN BOX B - SEE DETAIL 4/1A-C-5500
2. "BX" INDICATES A WYE WITH A VERTICAL PIPE TO SURFACE AT BOTTOM OF MWT DRAIN BOX - SEE DETAIL 1/1A-C-5500.
3. EXTERIOR GRAVITY CLEANOUT - SEE DETAIL 2/1A-C-5500.

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 1A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
3. ALL BEND NAMES, STATIONS, AND ANGLES ARE SHOWN IN PROFILE SHEETS.
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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5121

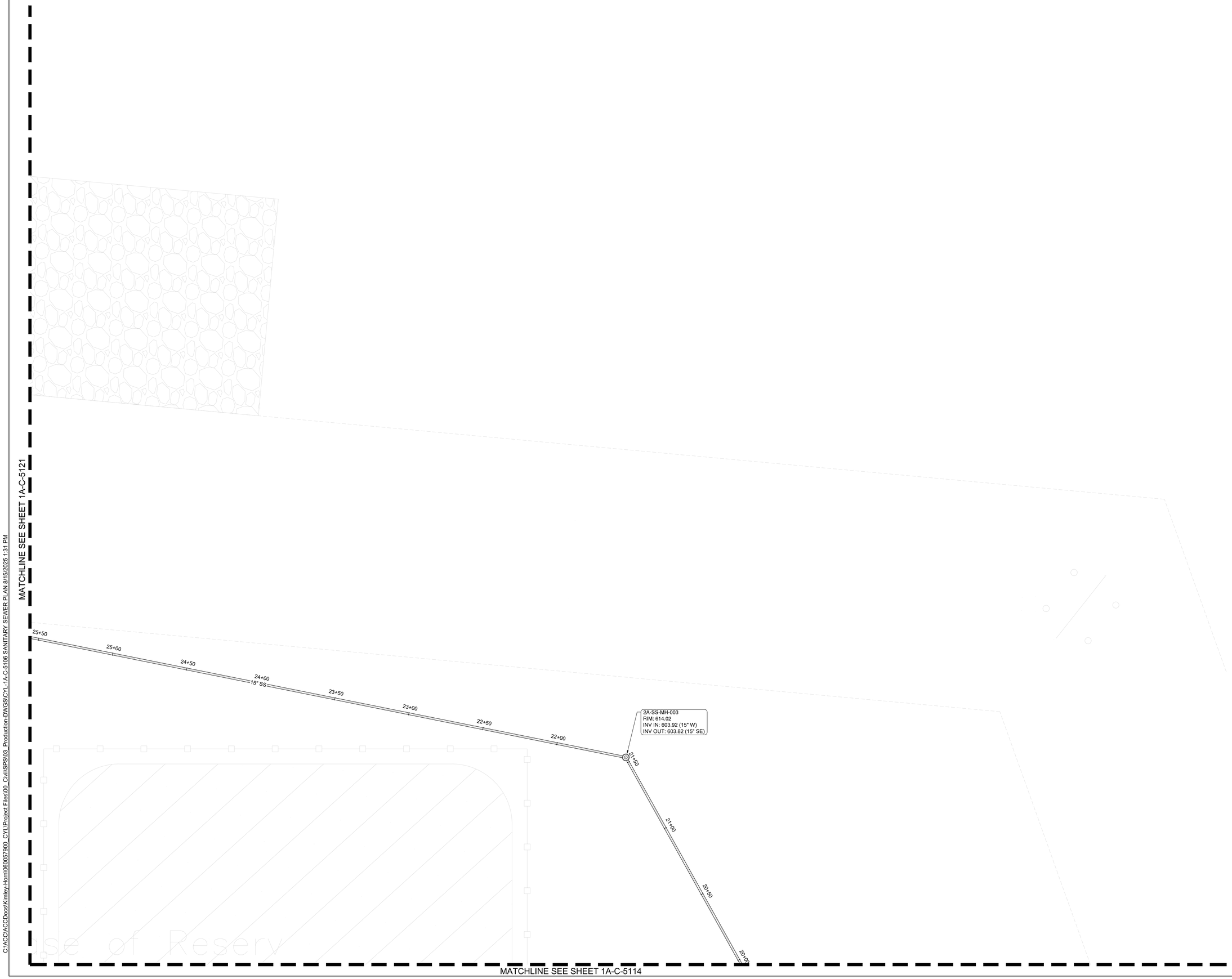
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. SEE SHEET 2A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
3. ALL BEND NAMES, STATIONS, AND ANGLES ARE SHOWN IN PROFILE SHEETS.
4. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.



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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

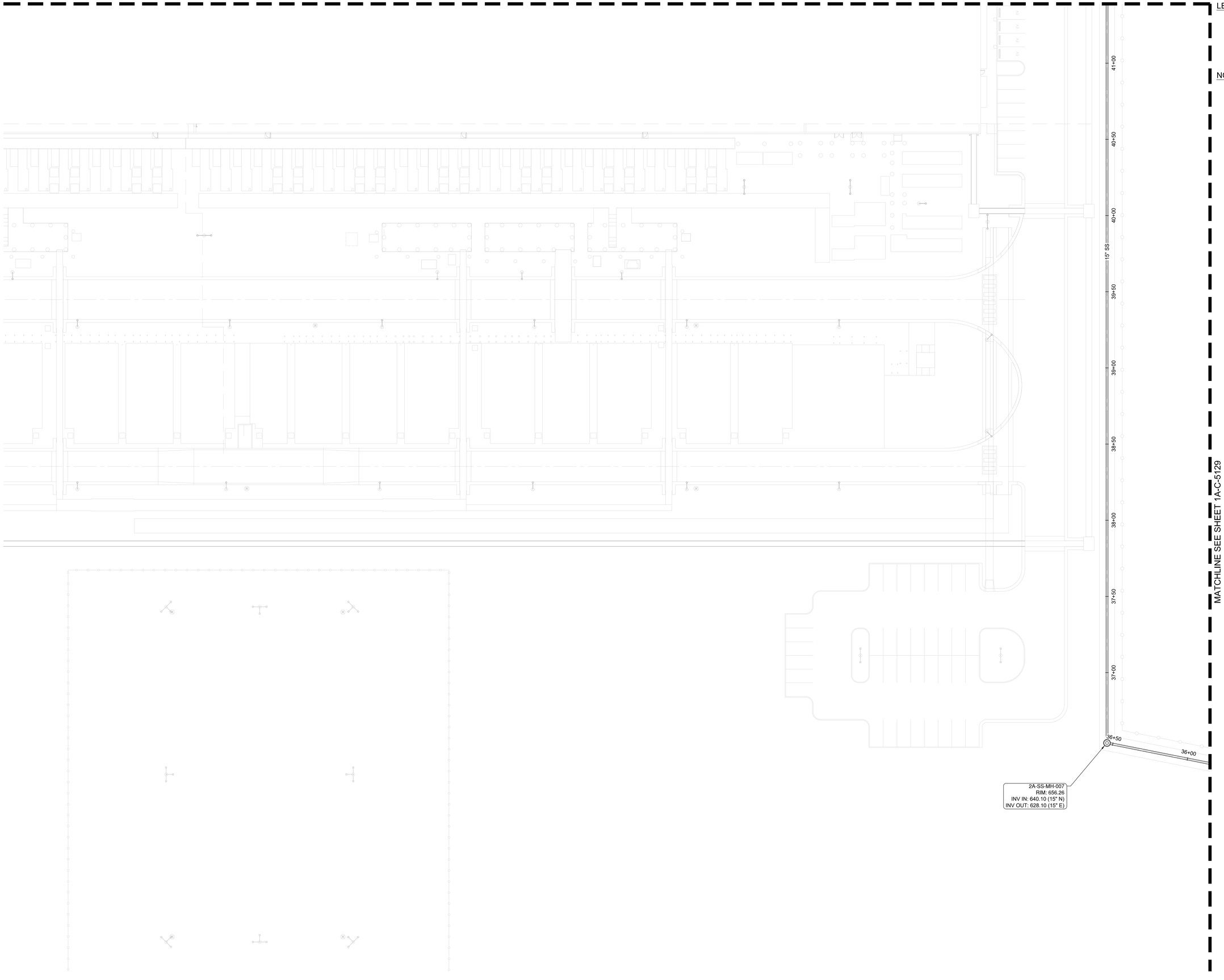
SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-5136



MATCHLINE SEE SHEET 1A-C-5129

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5128

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5106 SANITARY SEWER PLAN 8/15/2025 1:31 PM

MATCHLINE SEE SHEET 1A-C-5128

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

1. ALL SANITARY SEWER ALIGNMENTS ARE AT PIPE CENTERLINE.
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15" SS

35+50

35+00

34+50

34+00

15" SS

33+50

33+00

32+50

32+00

2A-SS-MH-006
RIM: 626.81
INV IN: 620.98 (15" W)
INV OUT: 620.98 (15" E)

2A-SS-MH-005
RIM: 628.12
INV IN: 617.79 (15" W)
INV OUT: 617.69 (15" SE)

MATCHLINE SEE SHEET 1A-C-5121

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5129

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

LEGEND

- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

NOTES

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2. SEE SHEET 2A-C-5000 FOR SANITARY SEWER MAIN ALIGNMENT NAMES.
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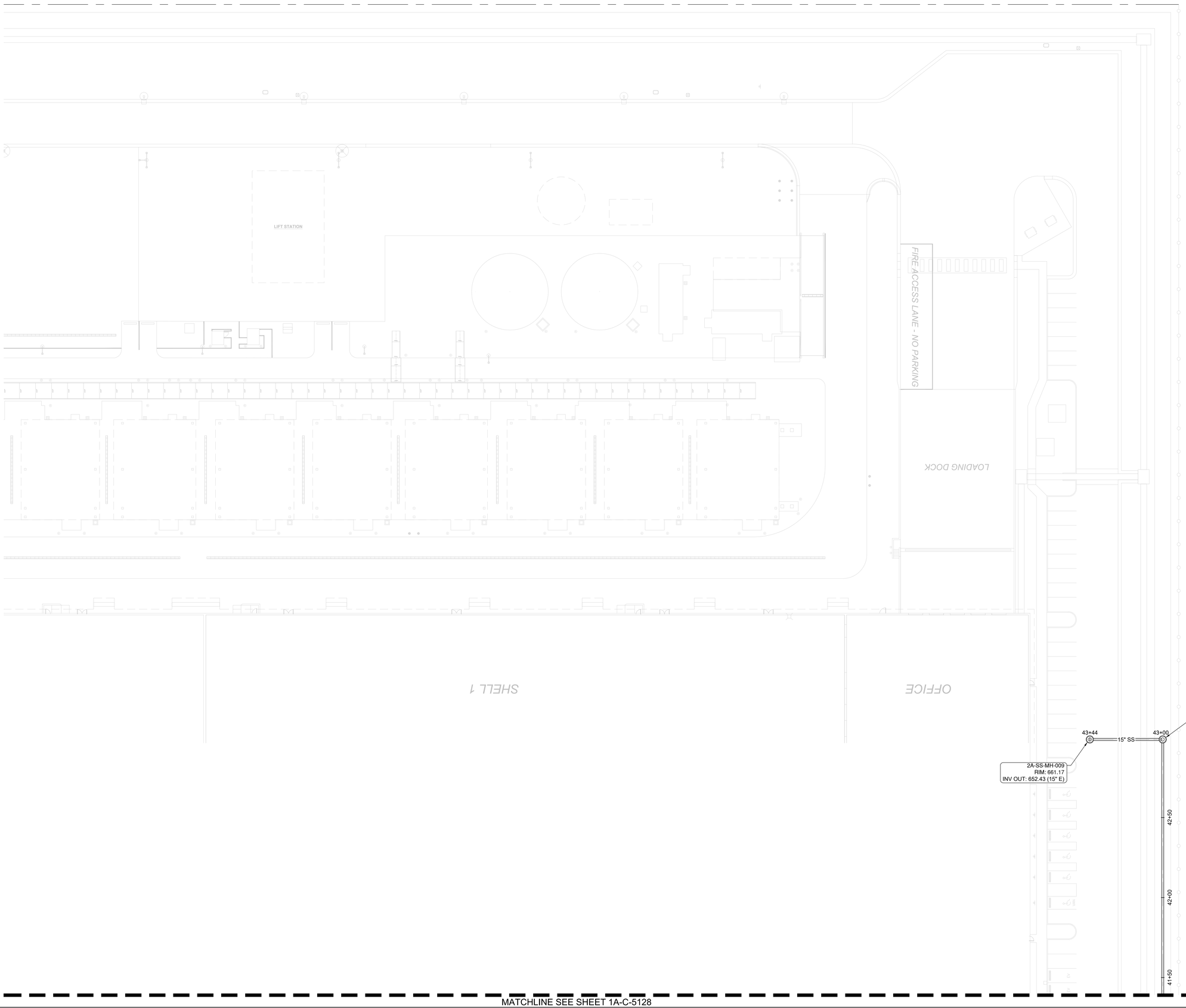

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-5128

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HDR Architecture, Inc.
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

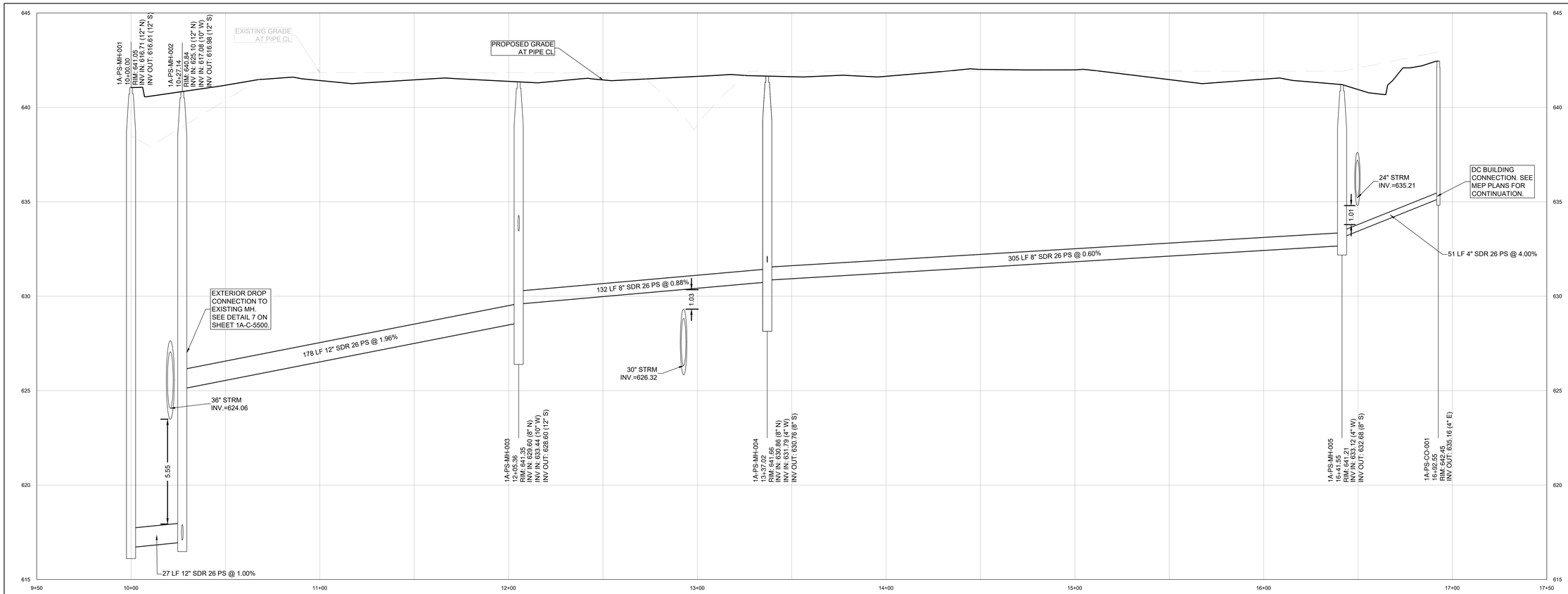
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

SANITARY SEWER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5136
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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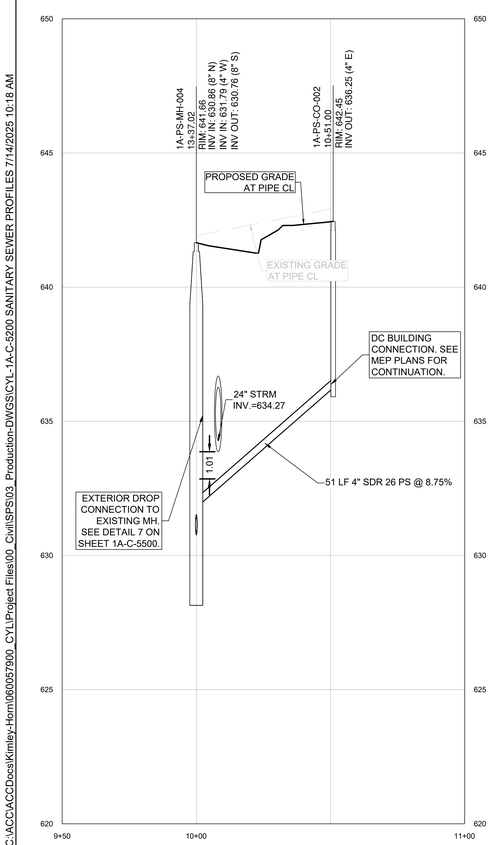

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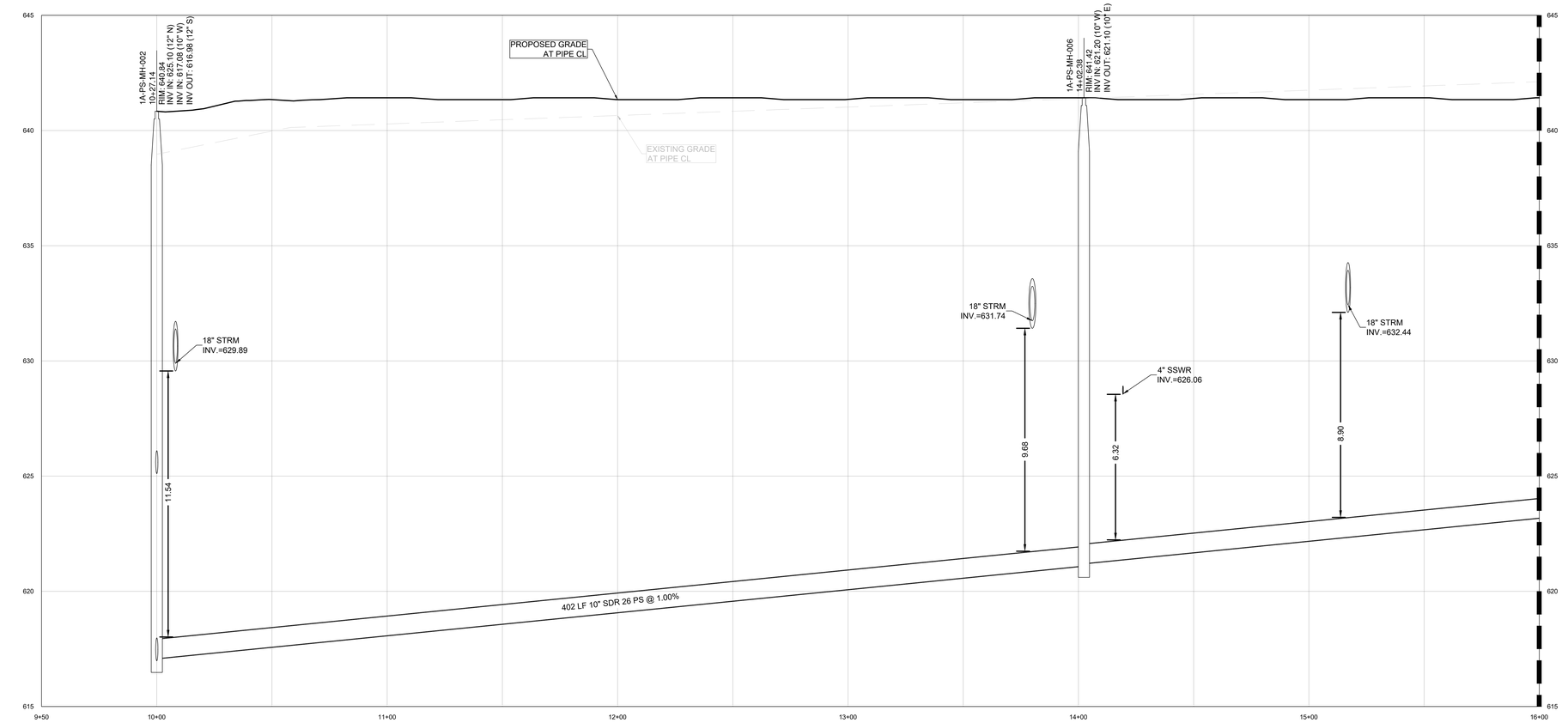

1A-PSWR-2 PROFILE

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

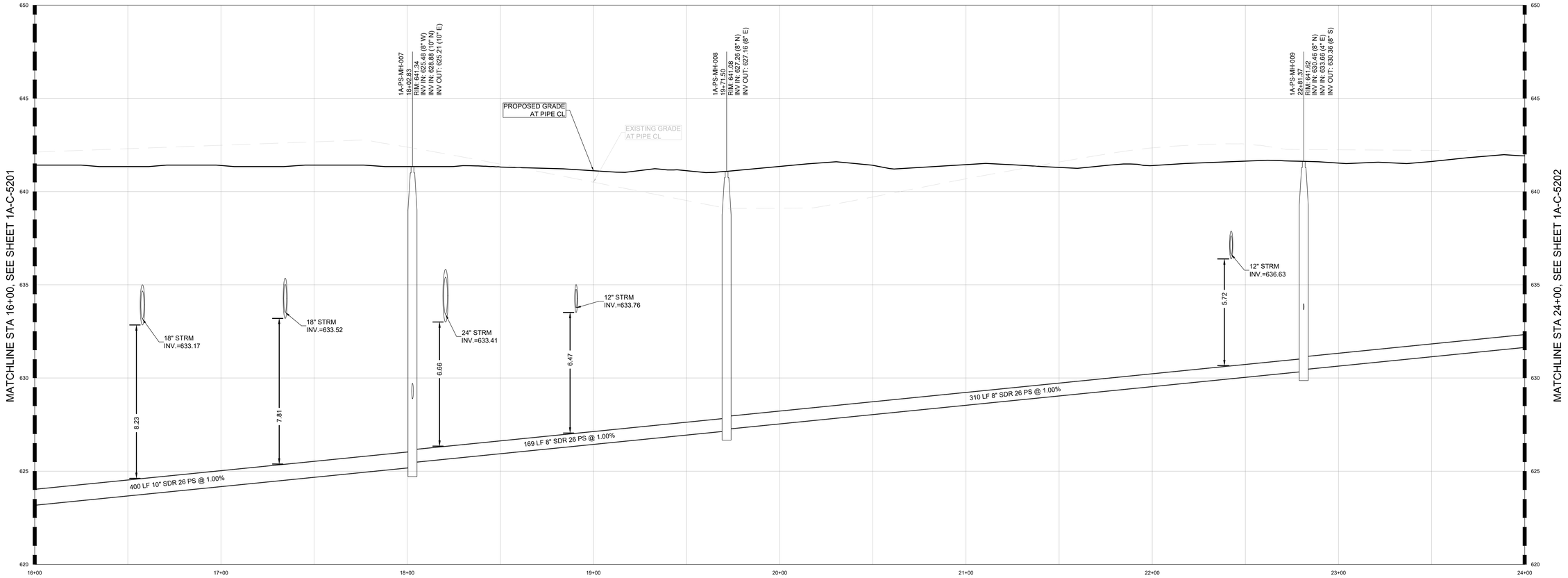
PROJ. NO.:10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5201

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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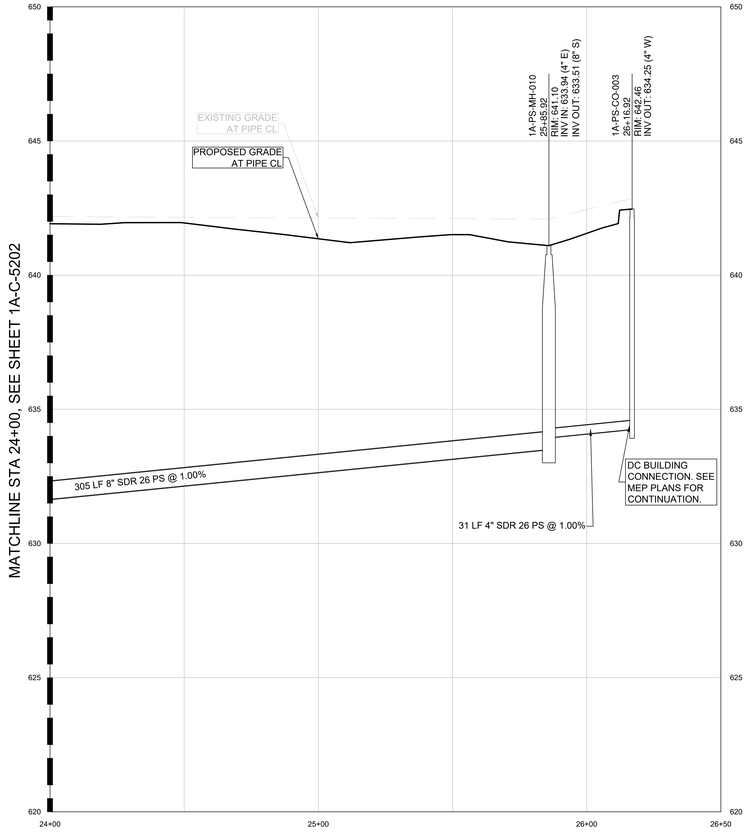

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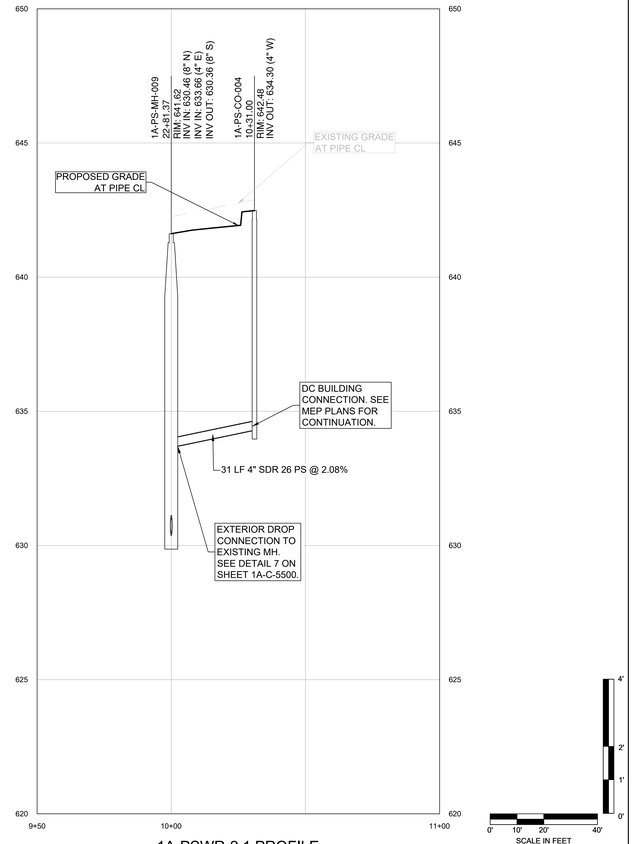

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

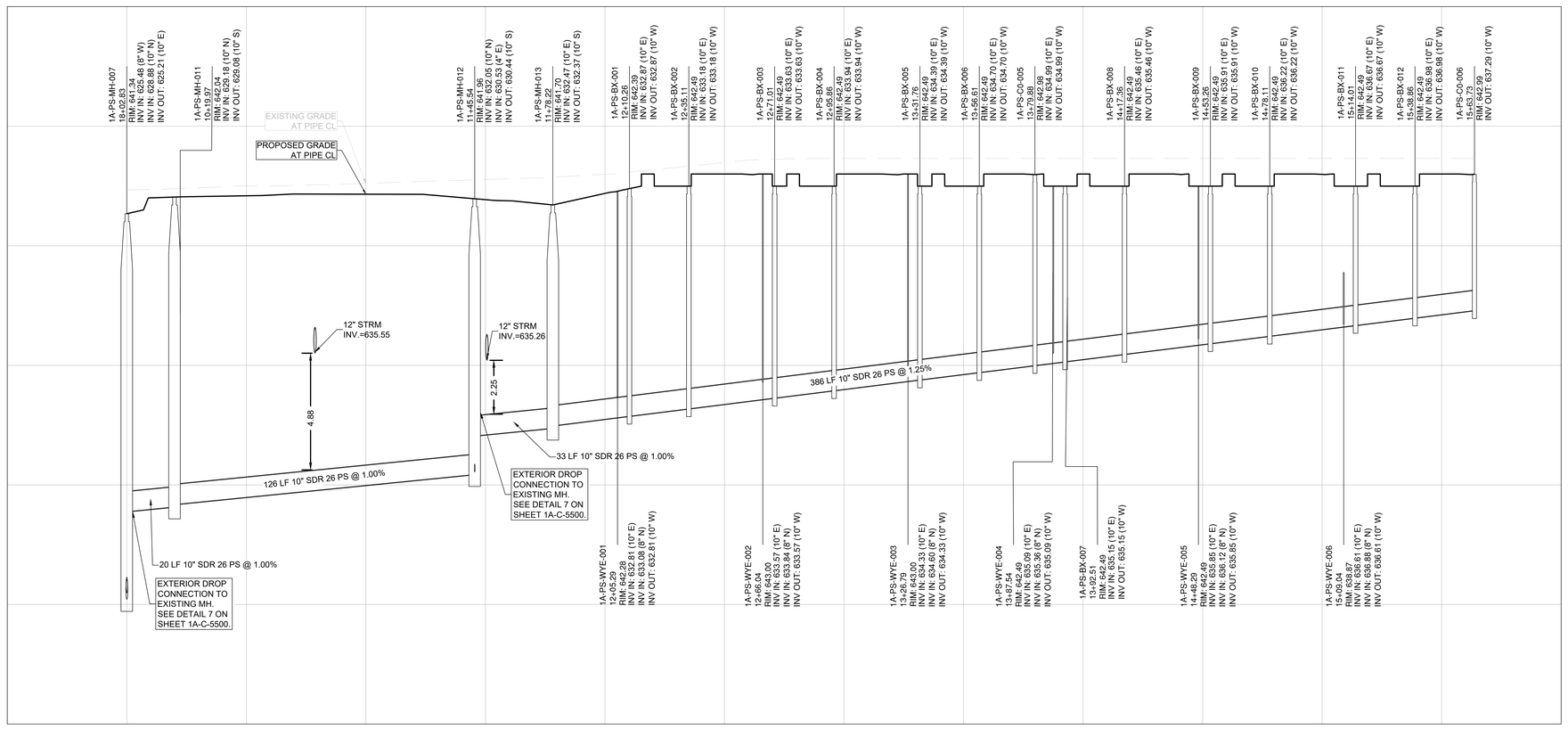
PROJ. NO.: 10434525

SANITARY SEWER PROFILES

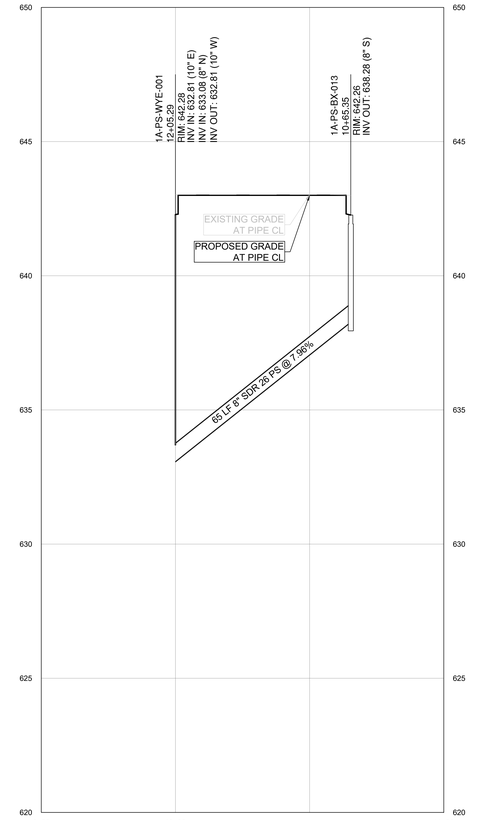
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5202

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



1A-PSWR-3 PROFILE



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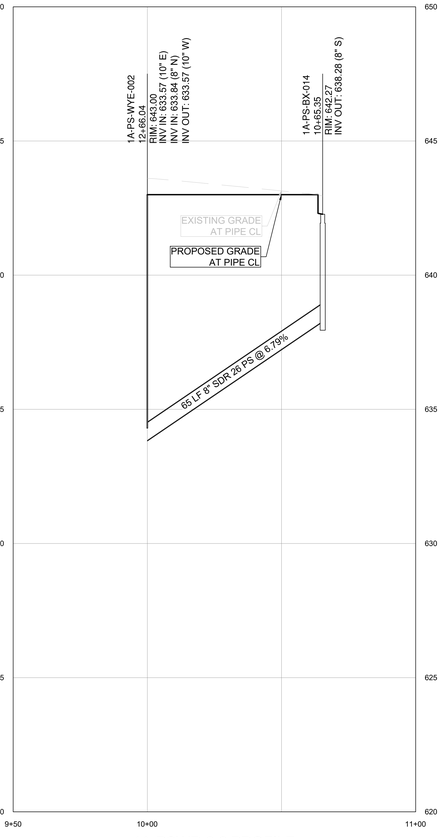

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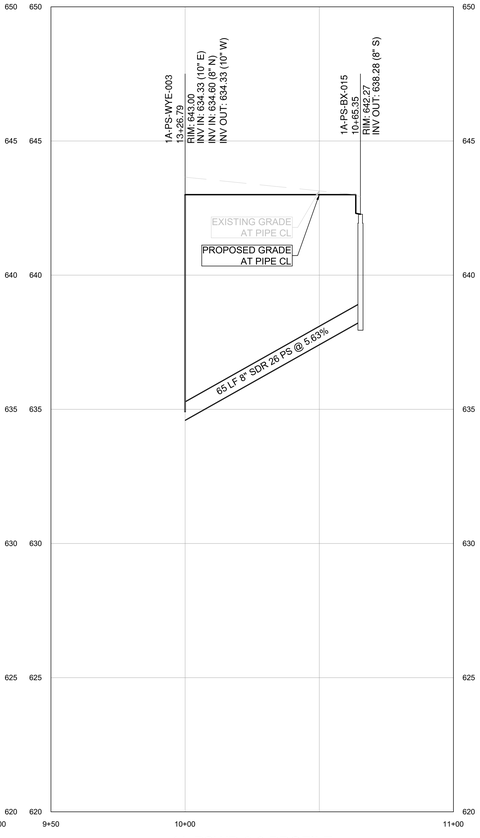

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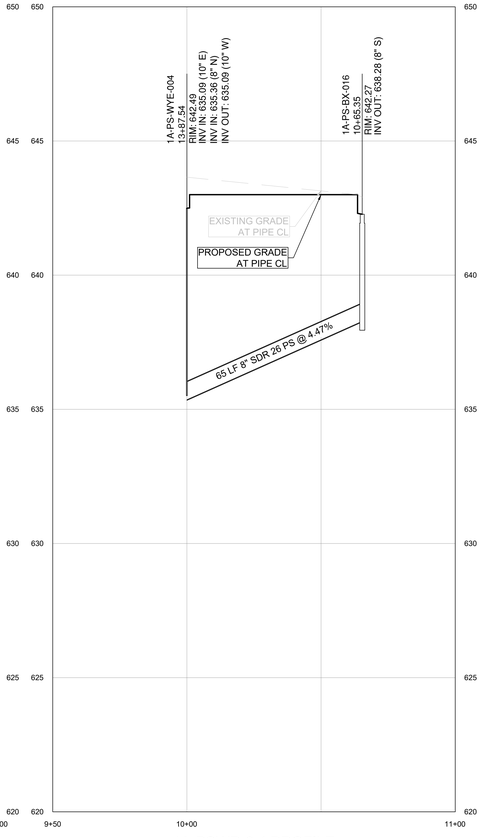

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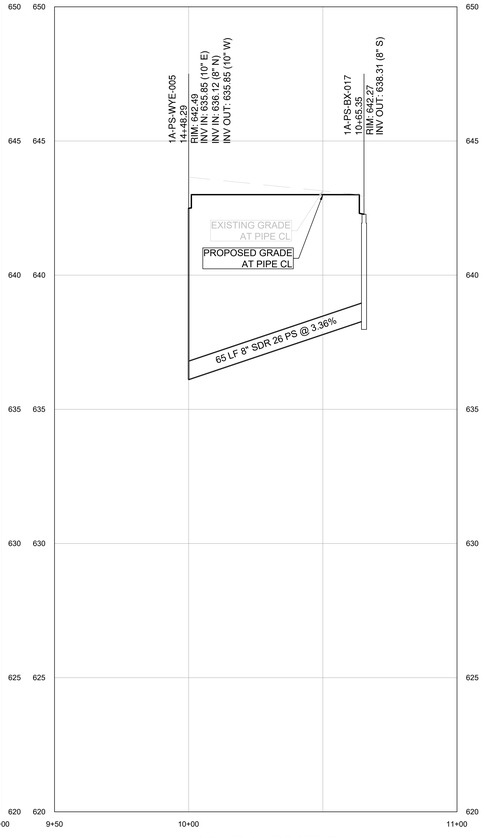

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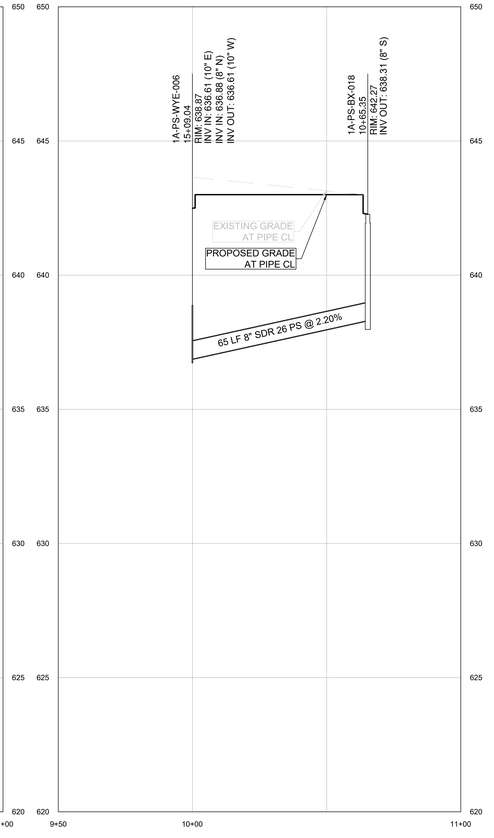

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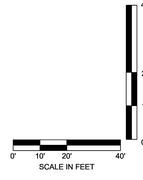

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
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55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
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DENVER, CO 80202
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MEP:
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1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

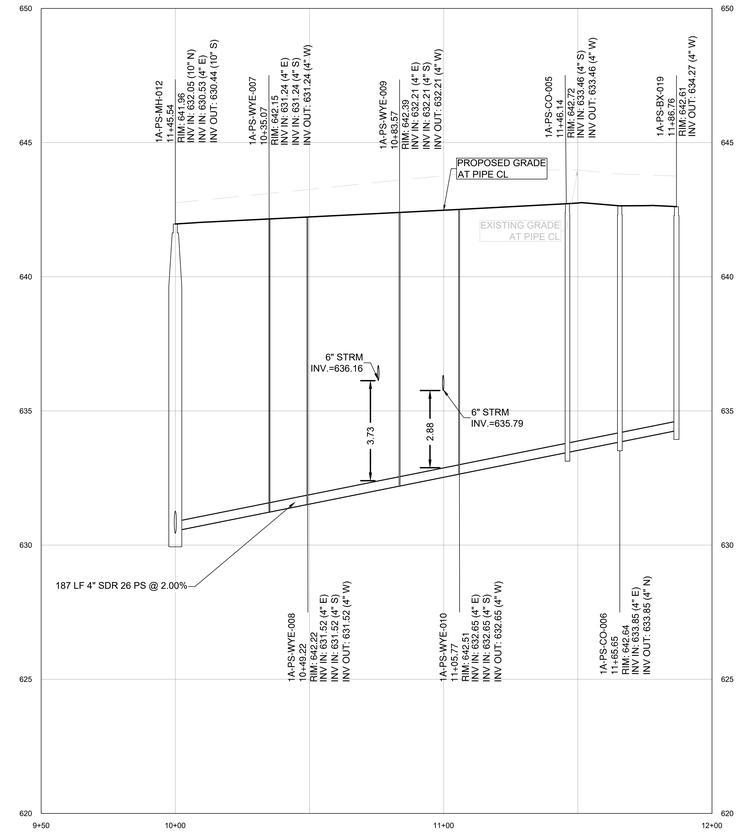
PROJ. NO.:10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5203

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN



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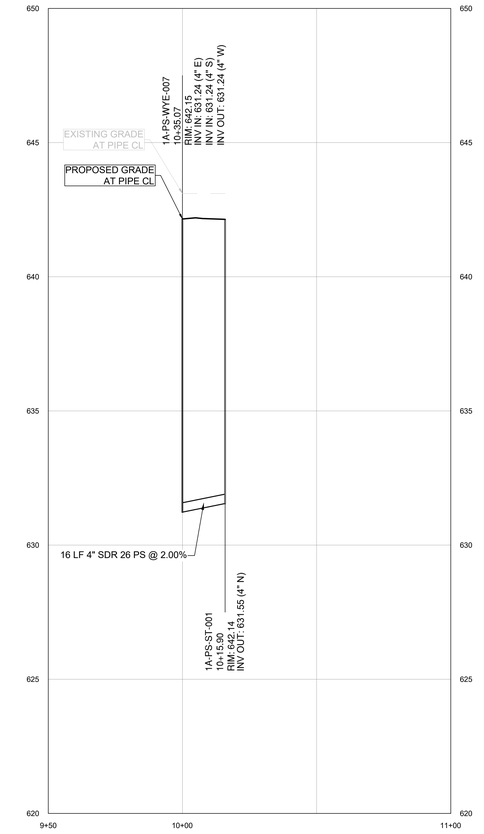

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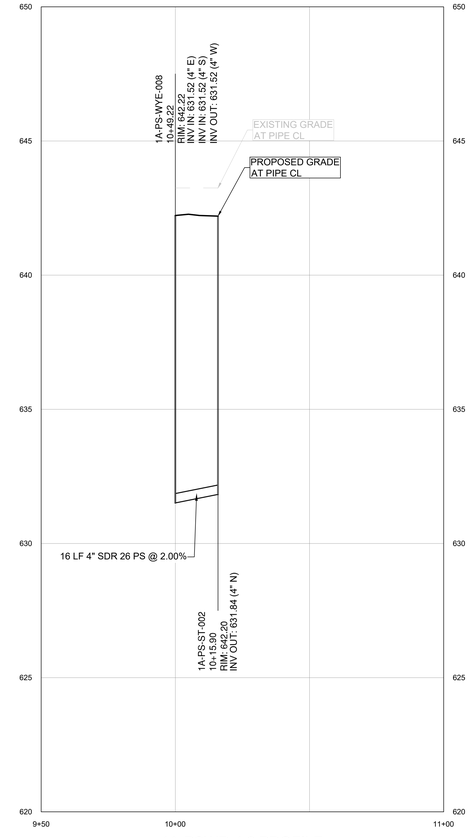

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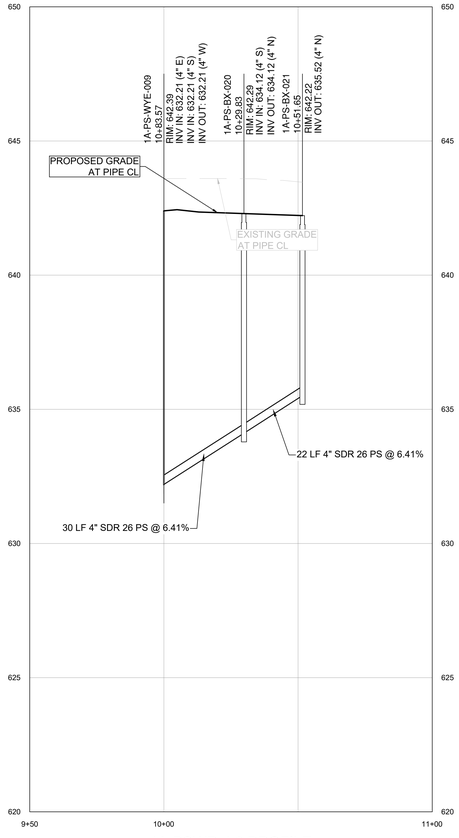

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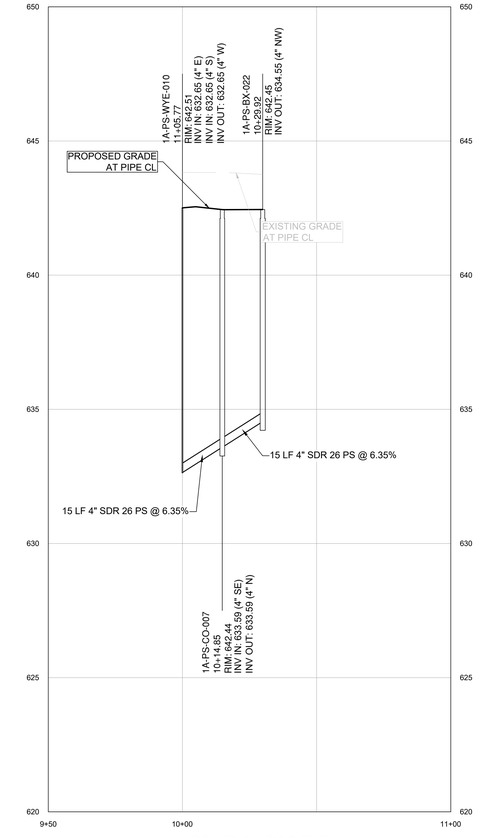

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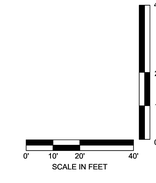

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5204

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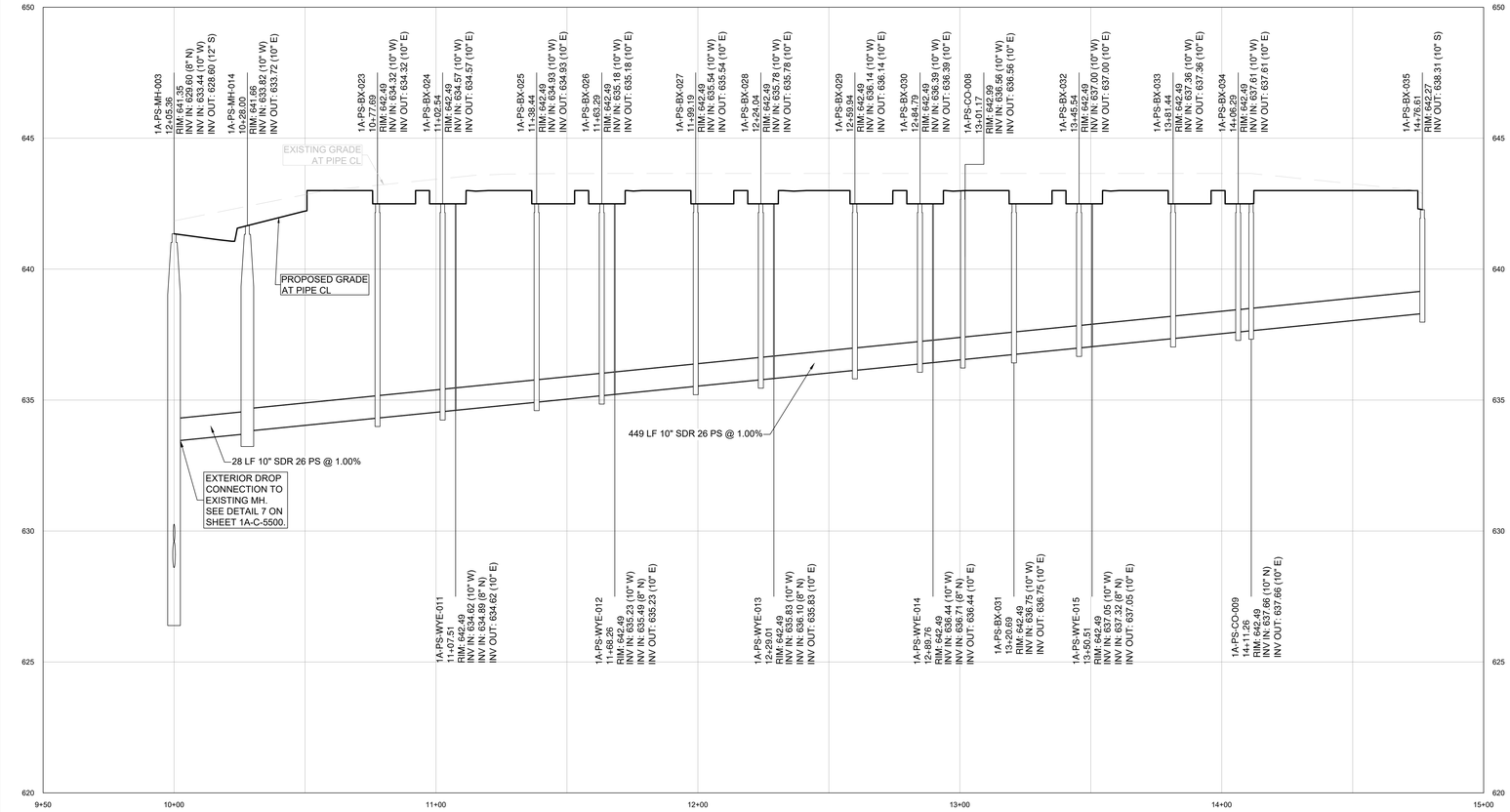

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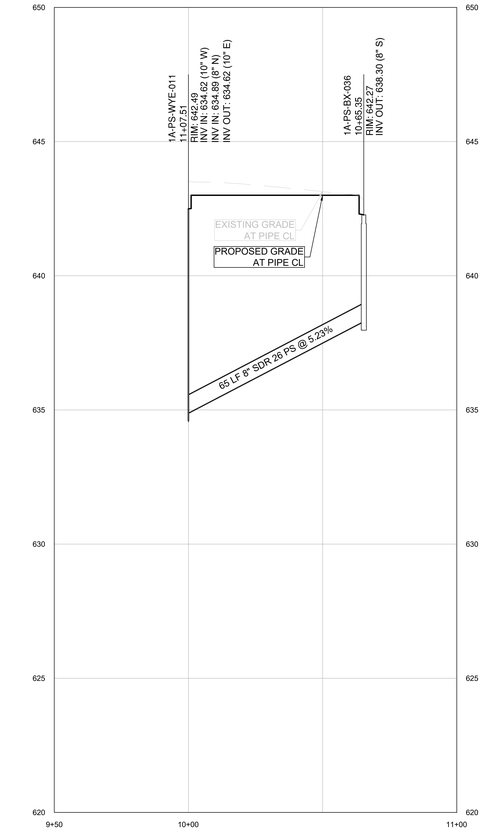

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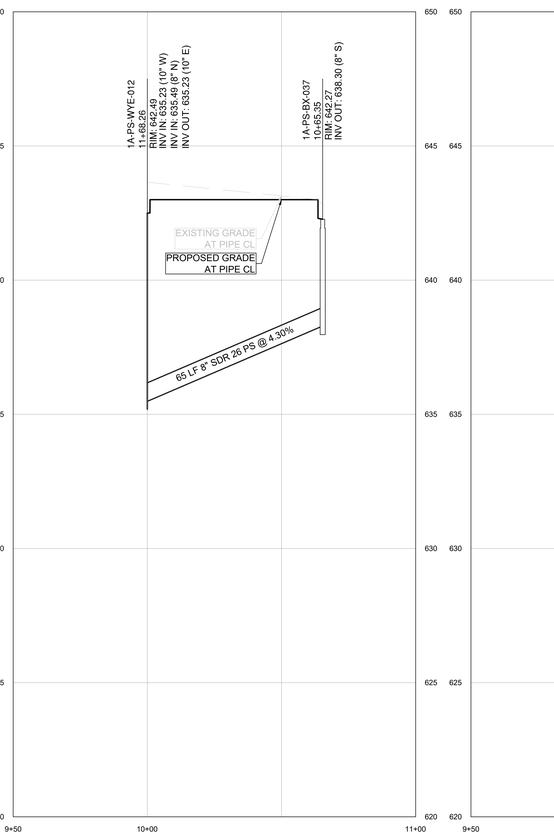

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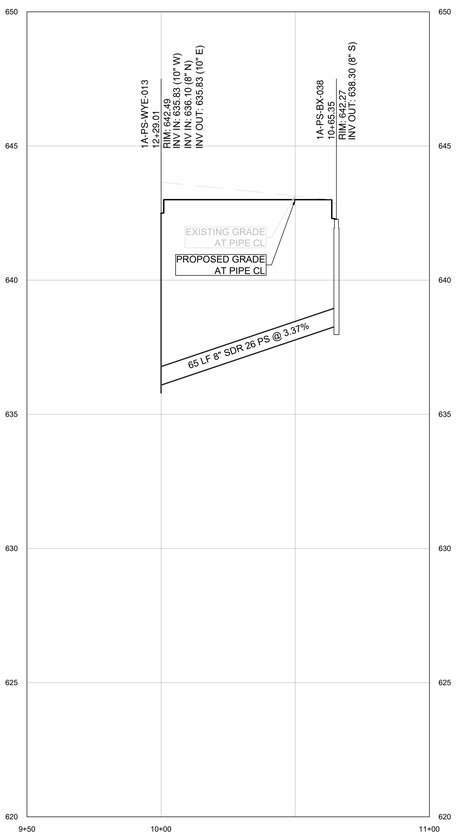

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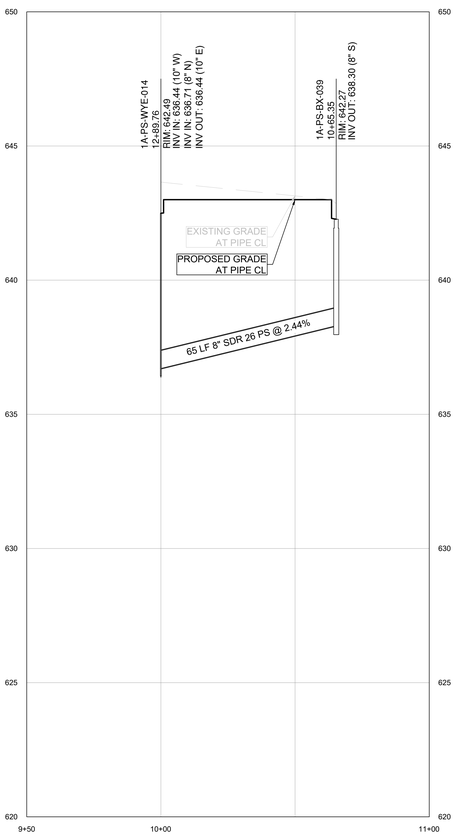

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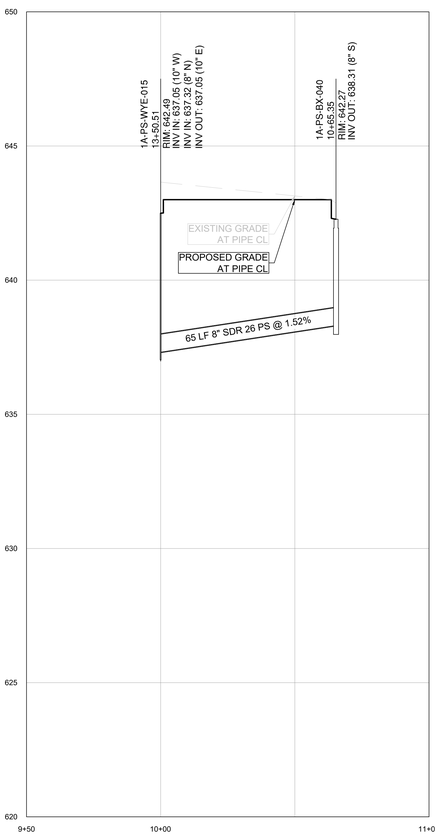

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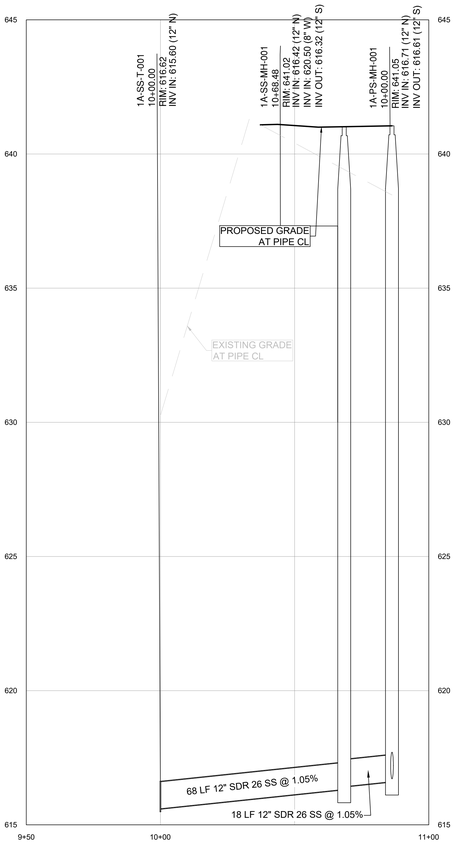

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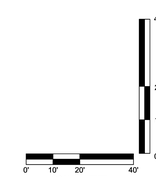

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5205

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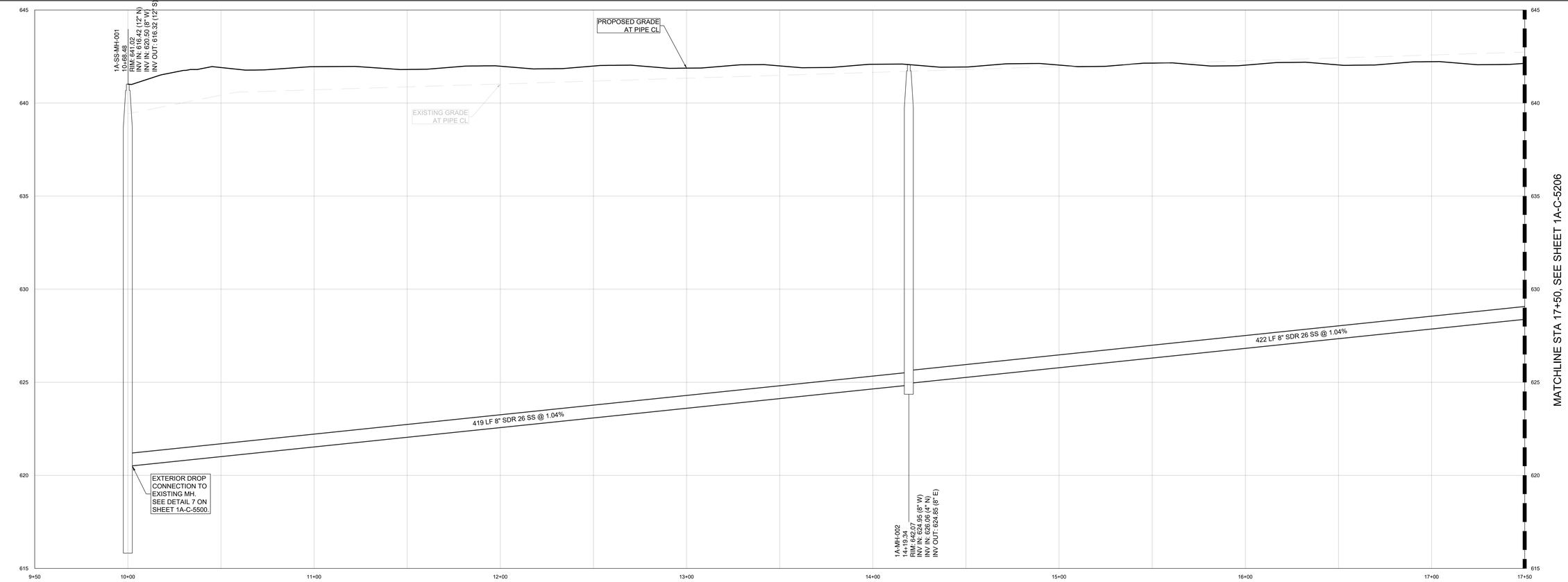

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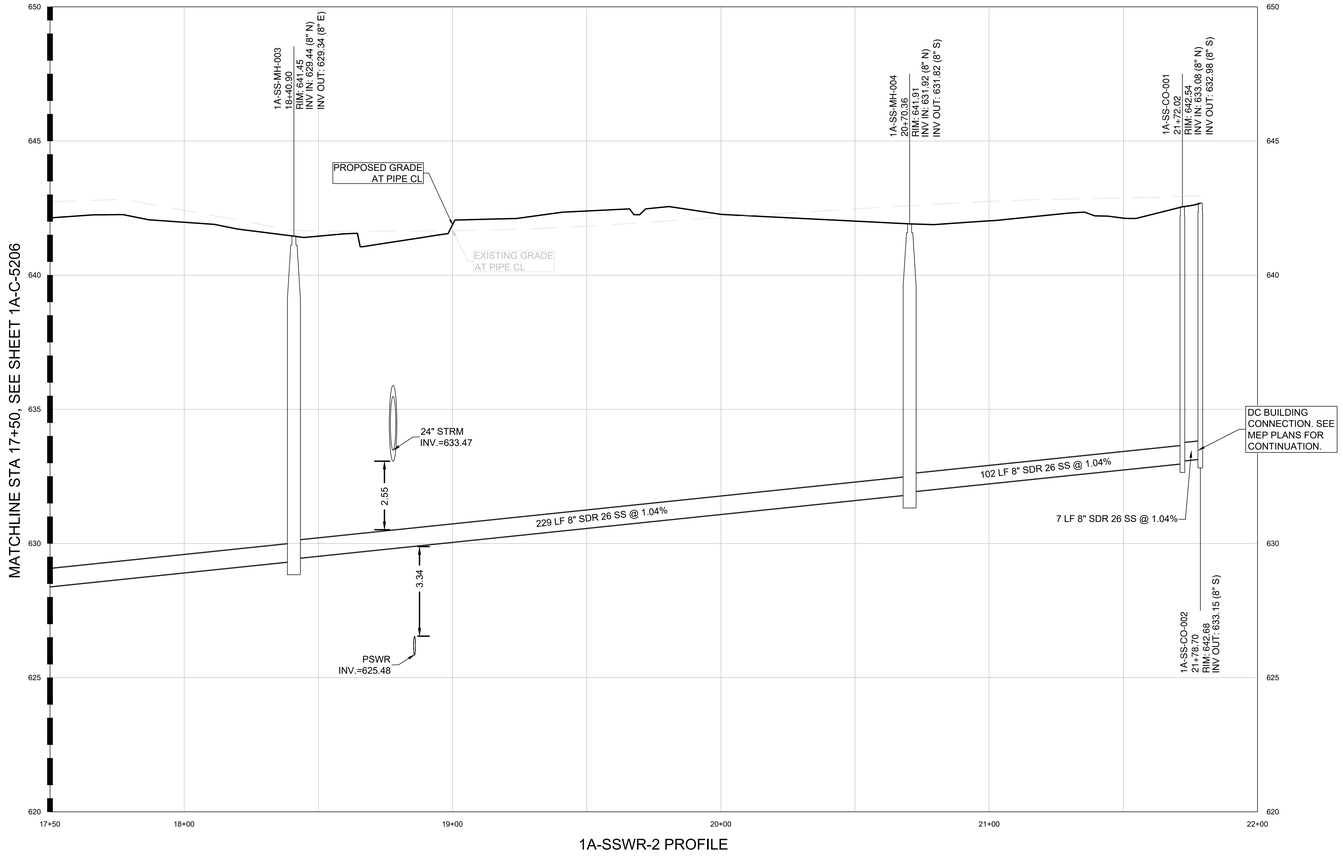

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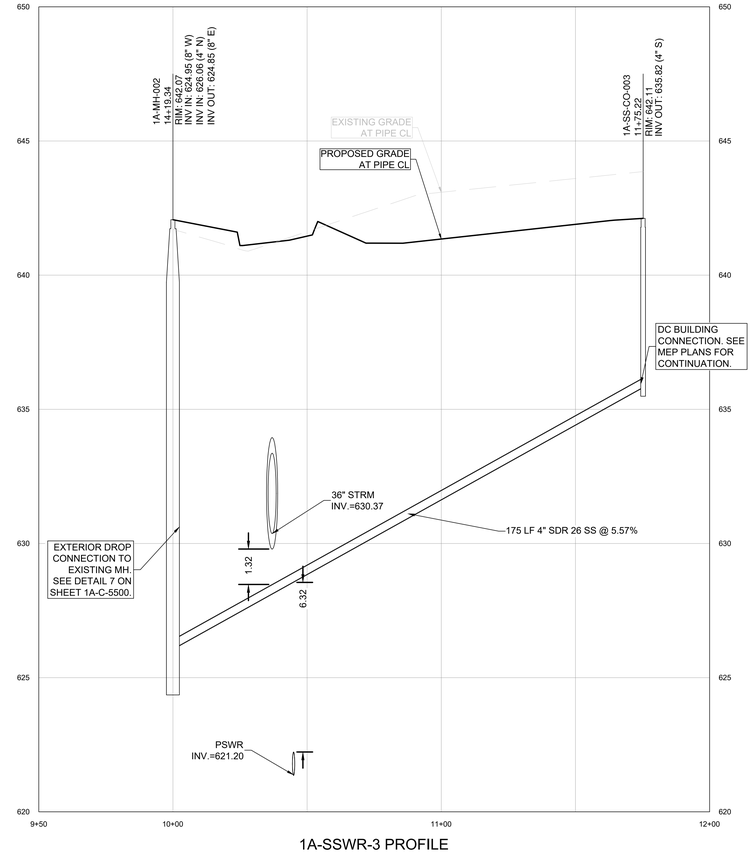

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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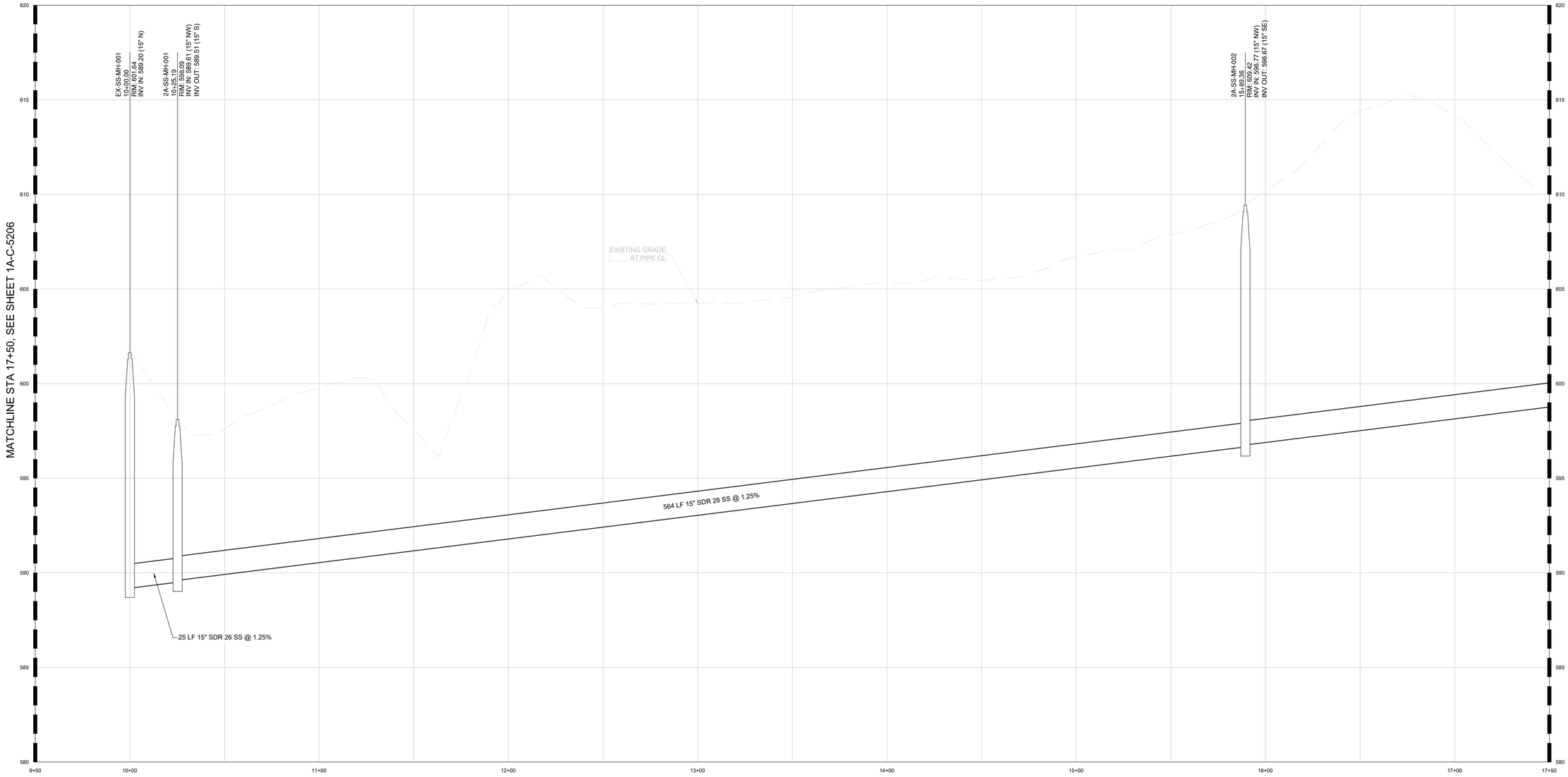

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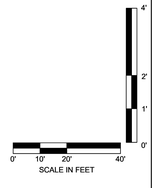

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ARCHITECTURE: HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	STRUCTURE: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	MEP: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	CIVIL: Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5207

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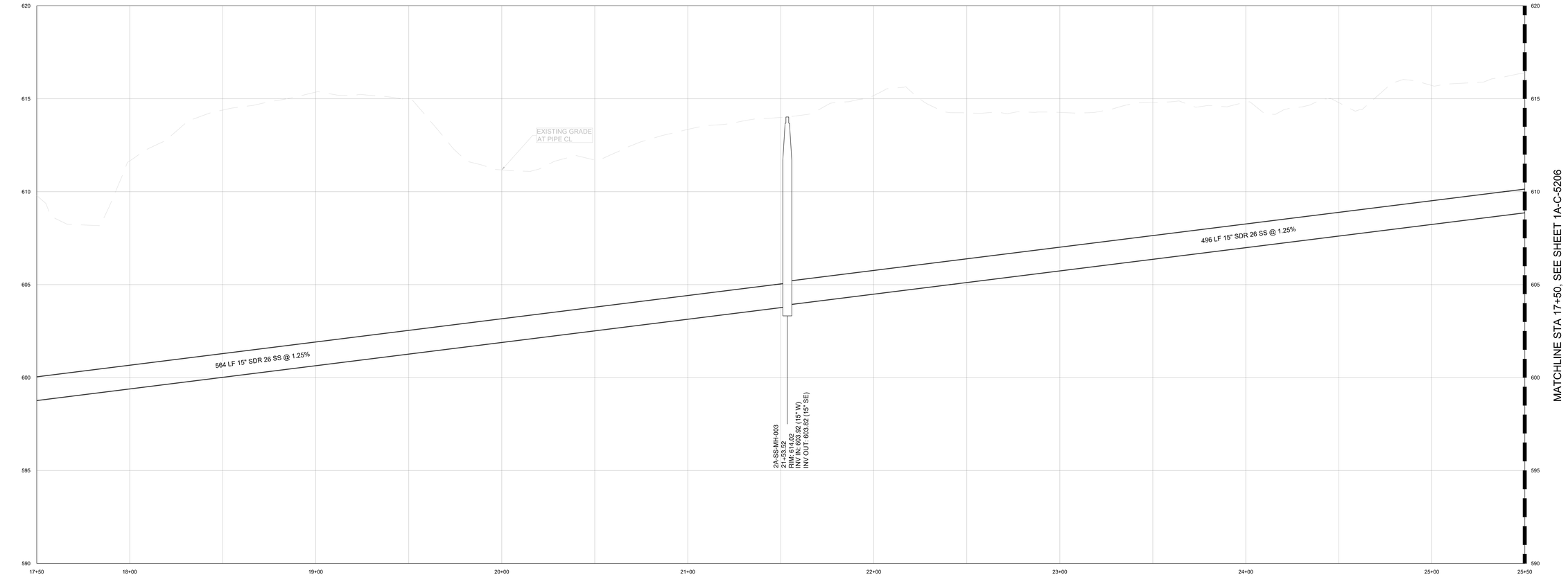

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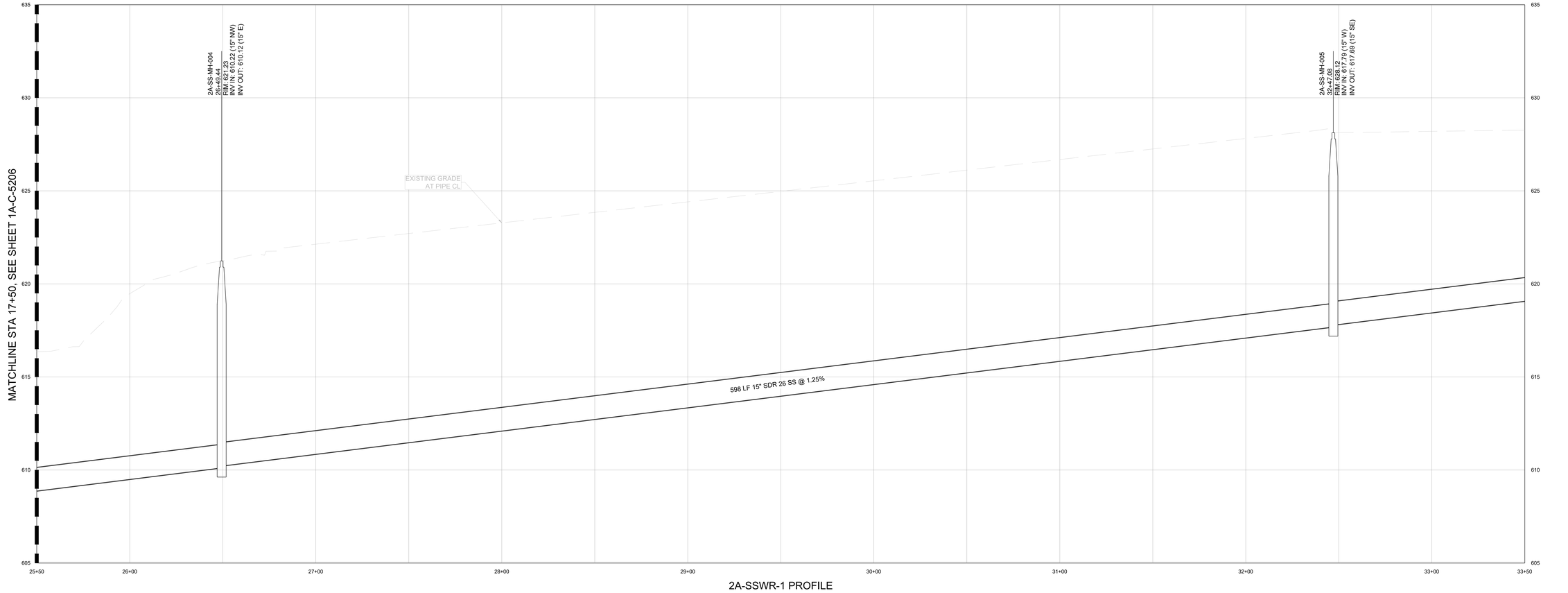

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
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Ph. (763) 591-5400

STRUCTURE:
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1670 BROADWAY
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MEP:
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1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-5208

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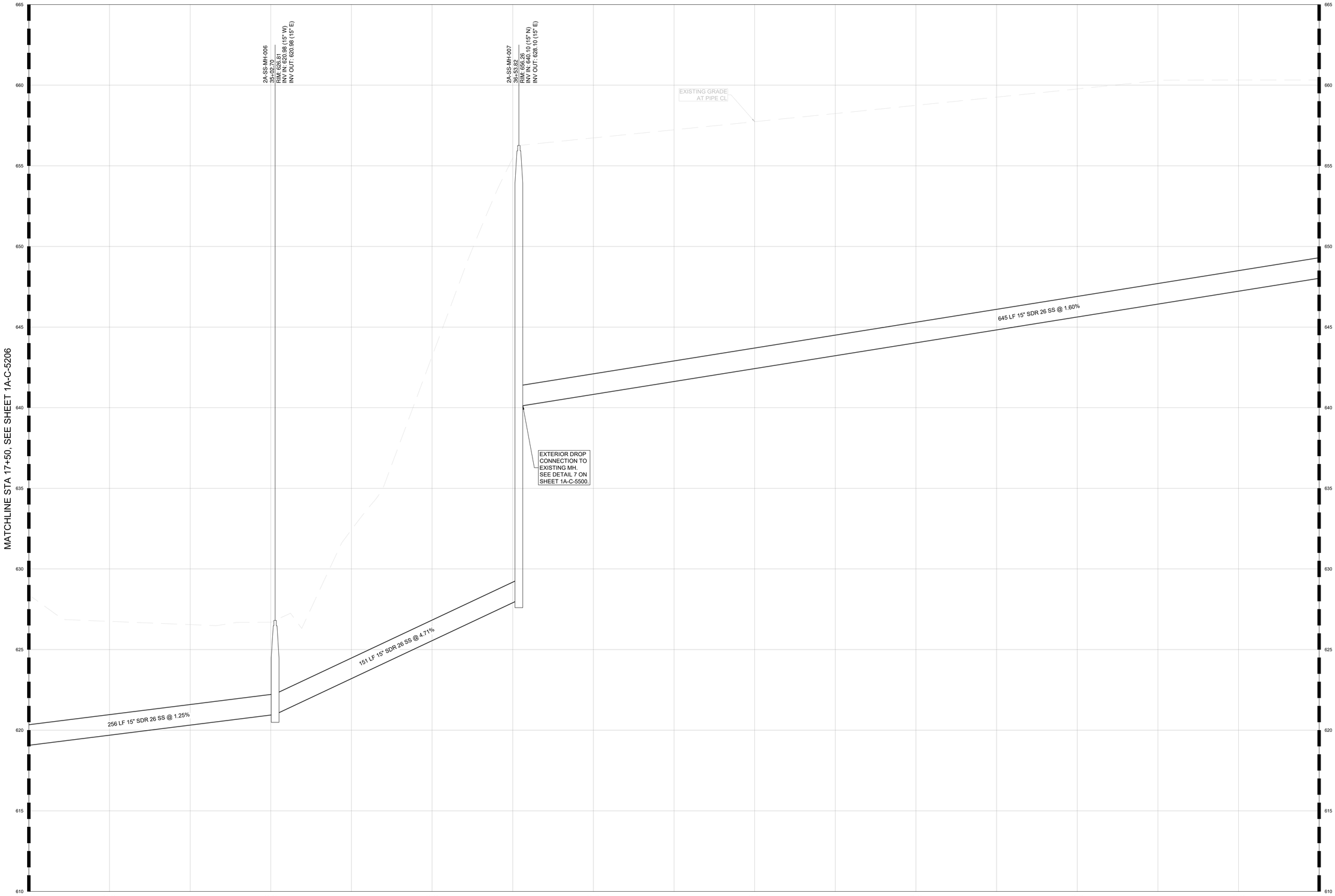

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SCALE: AS SHOWN

SANITARY SEWER PROFILES

SHEET NUMBER:
1A-C-5209

PAPER SIZE: E (36"x48")
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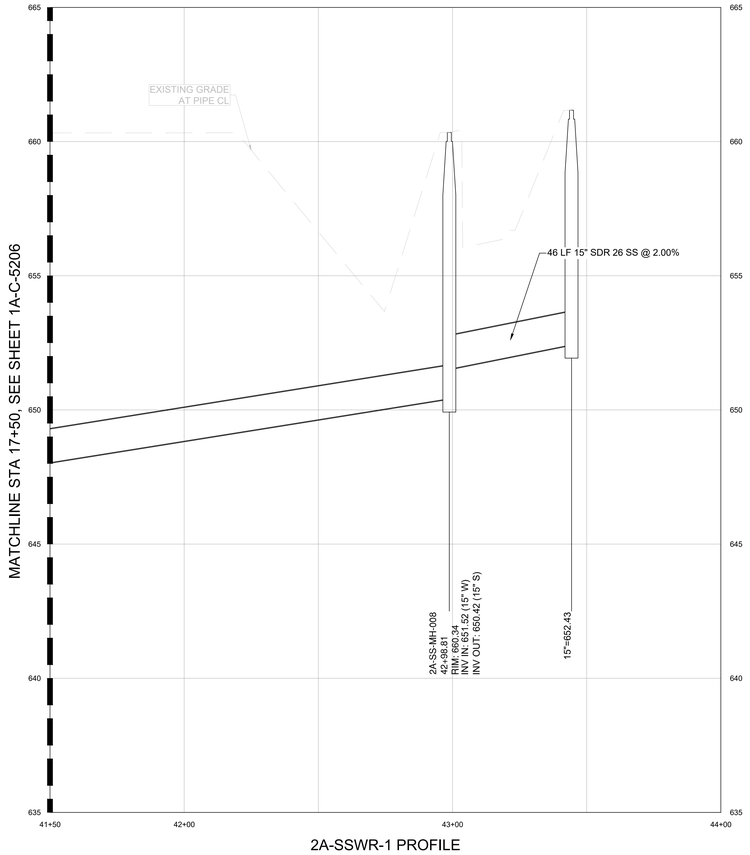

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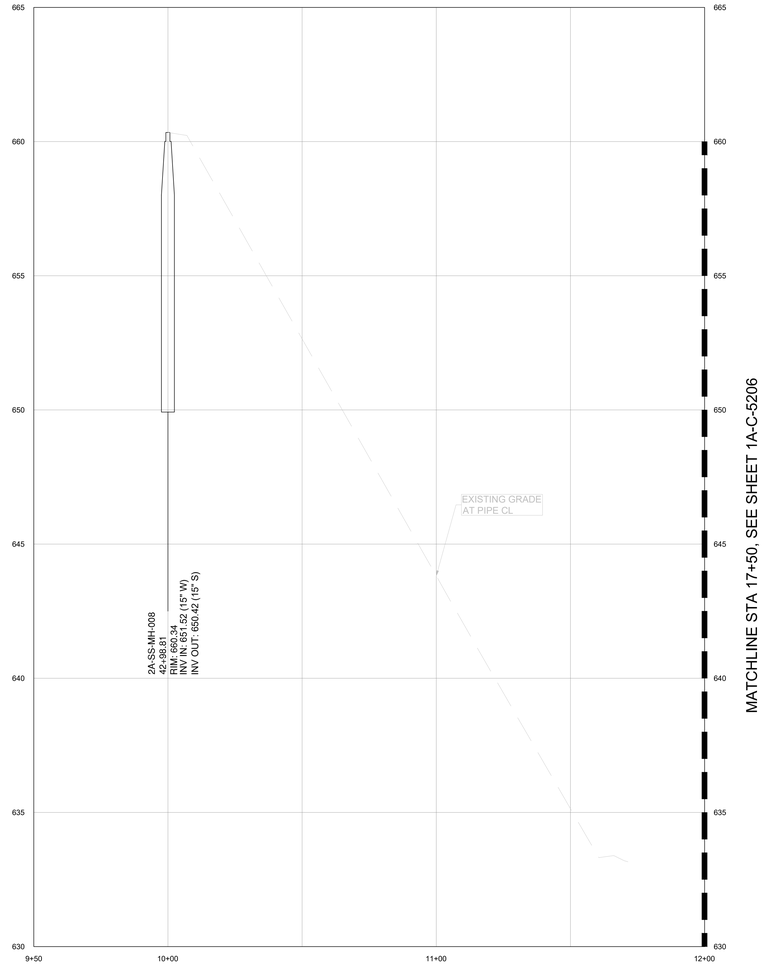

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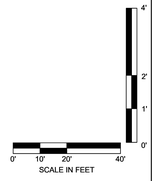

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ARCHITECTURE: HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	STRUCTURE: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	MEP: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400
CIVIL: Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868	CYL1A (E3 Drawing Set) (NOT FOR CONSTRUCTION) 2025-08-18	KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

SANITARY SEWER PROFILES

SCALE: AS SHOWN

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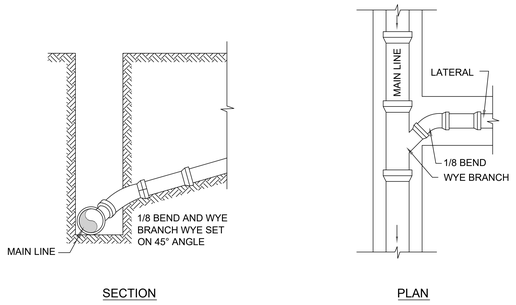
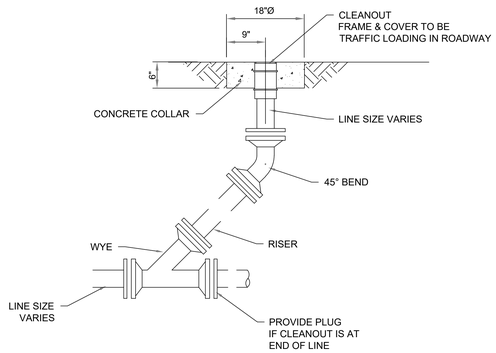


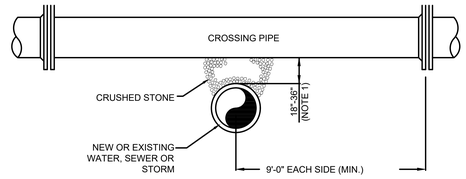
SECTION PLAN

NOTE:
1. TIE-IN STRUCTURES MAY VARY FROM DETAIL ABOVE; SEE PLANS FOR STRUCTURE TYPES.

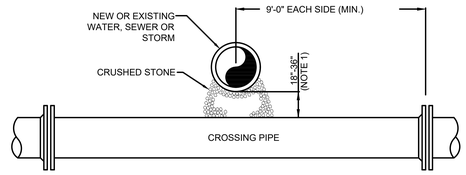
1 - LATERAL CONNECTION
NTS



2 - EXTERIOR GRAVITY CLEANOUT
NTS



BELOW

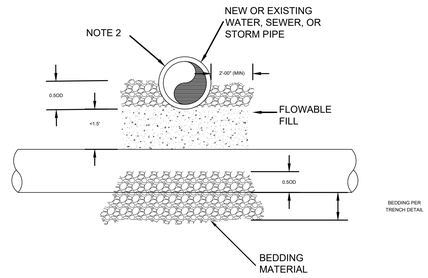


ABOVE

NOTES:

1. WHEN DISTANCE OF 18" OR MORE IS NOT POSSIBLE, USE MIN. CLEARANCE PIPE CROSSING DETAIL.
2. WHEN WATER LINE IS NEW, PROVIDE A FULL JOINT OF PIPE FOR BOTH LINES CENTERED AT CROSSING.
3. LOCATE SEWER BELOW WATER LINE.

3 - UTILITY CROSSING
NTS

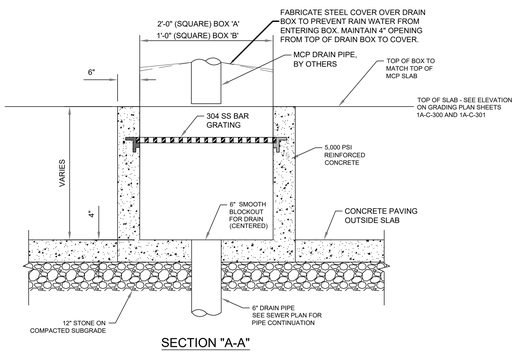


BEDDING PER TRENCH DETAIL

NOTES:

1. DETAIL IS SIMILAR FOR ALL PIPE CROSSINGS WHERE CLEARANCE BETWEEN PIPES IS LESS THAN 1'-6".
2. PROVIDE DOUBLE POLYETHYLENE WRAP AROUND ALL DUCTILE IRON PIPE. WRAP TO EXTEND 5'-0" PAST EACH SIDE OF THE FLOWABLE FILL.

6 - MIN. CLEARANCE PIPE CROSSING
NTS



SECTION "A-A"

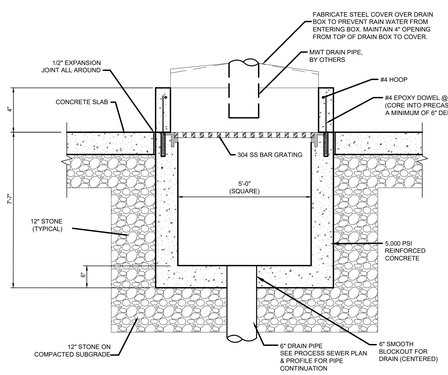
NOTES

1.CONTRACTOR TO PROVIDE A PE STAMPED DESIGN FOR THE PRE-CAST CONCRETE BOX.

2.DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND SHALL BE COORDINATED BY THE PROCURING AND INSTALLING CONTRACTOR.

3.REFER TO PLAN FOR LOCATIONS OF PROCESS SEWER DRAIN BOX "A" OR "B"

4 - PROCESS SEWER DRAIN BOX DETAIL
NTS

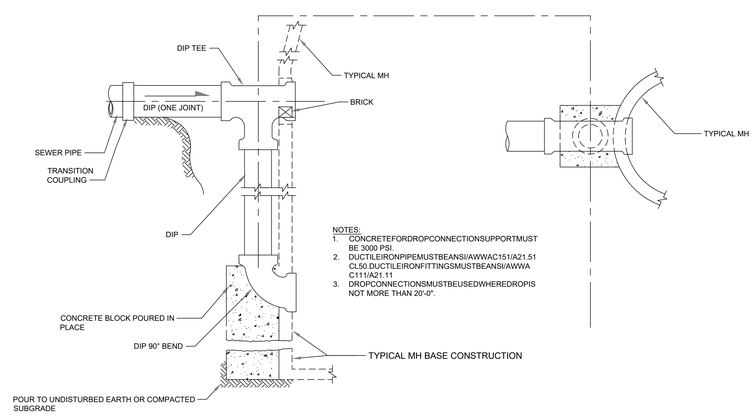


SECTION "A-A"

NOTES

1. CONTRACTOR TO PROVIDE A PE STAMPED DESIGN FOR THE PRE-CAST CONCRETE BOX.
2. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND SHALL BE COORDINATED BY THE PROCURING AND INSTALLING CONTRACTOR.

5 - MWT DRAIN BOX DETAIL
NTS



NOTES:
1. CONCRETEFORDROPCONNECTIONSUPPORTMUST BE 3000 PSI.
2. DUCTILEIRONPIPEMUSTBEANSI/AWWAC151/A21.51 CL50.DUCTILEIRONFITTINGSMUSTBEANSI/AWWA C111/A21.11
3. DROPCONNECTIONSMUSTBEUSEDWHEREDROPIS NOT MORE THAN 20'-0".

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7 - OUTSIDE DROP MANHOLE
NTS

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-5500-SANITARY SEWER DETAILS 7/16/2025 4:50 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

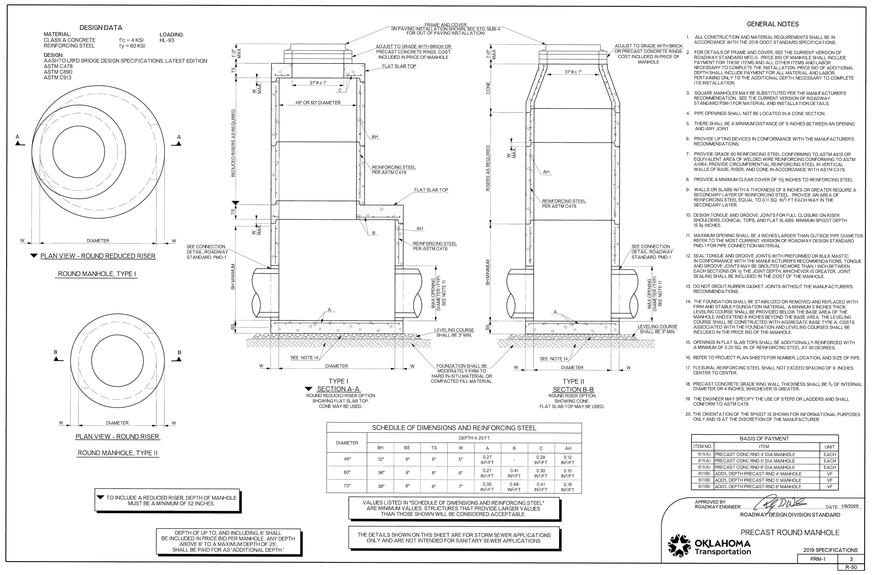
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

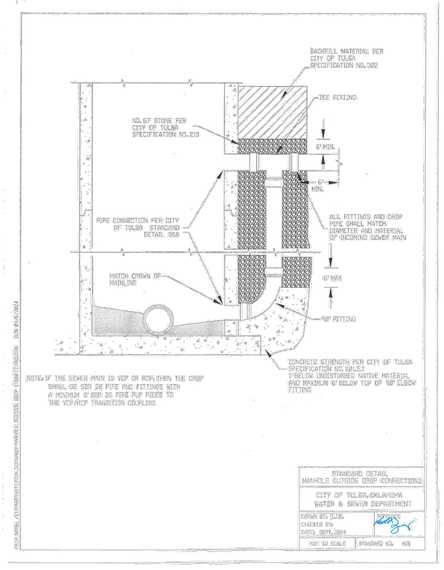
DRAWN:
APPRV'D:

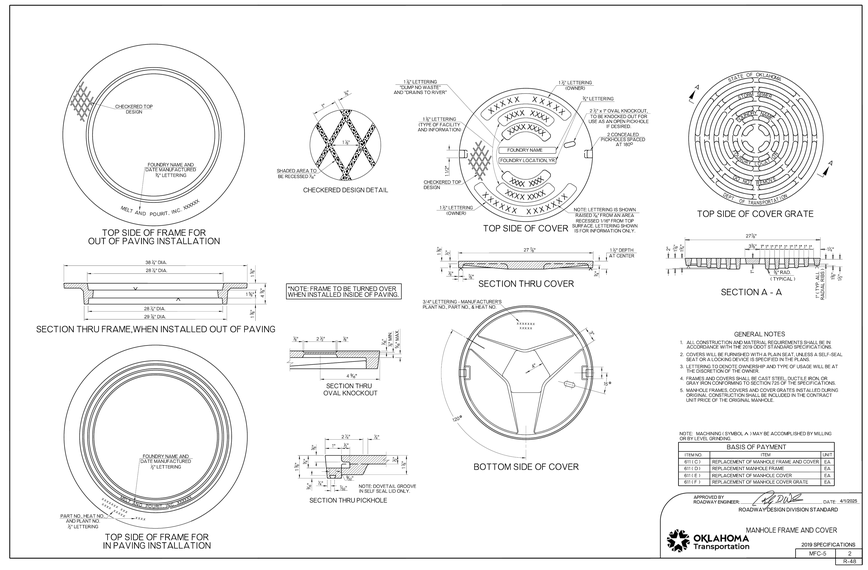
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

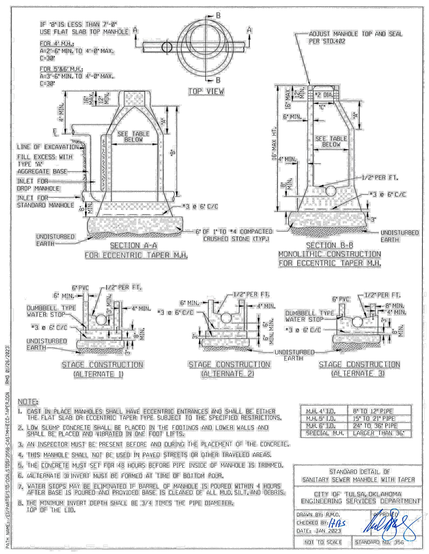
SANITARY SEWER DETAILS
SCALE: AS SHOWN

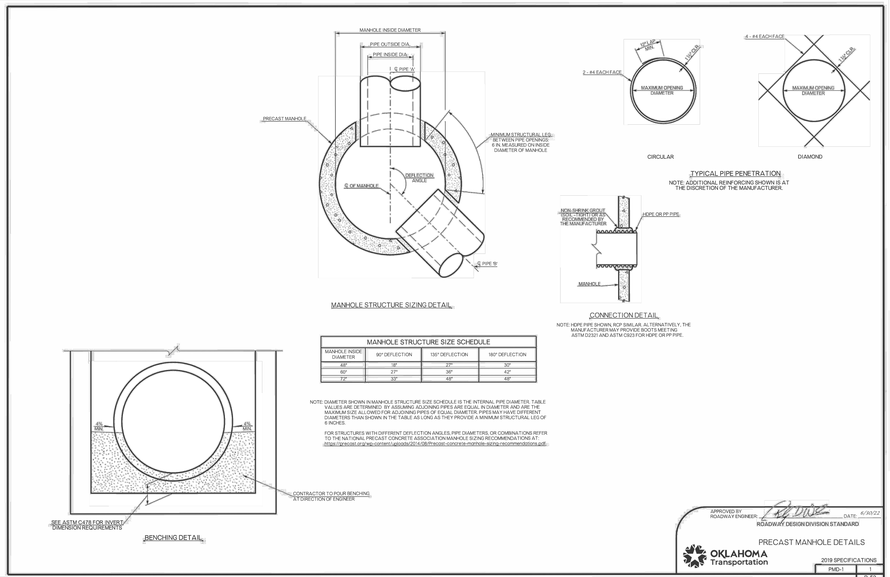
SHEET NUMBER:
1A-C-5500
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

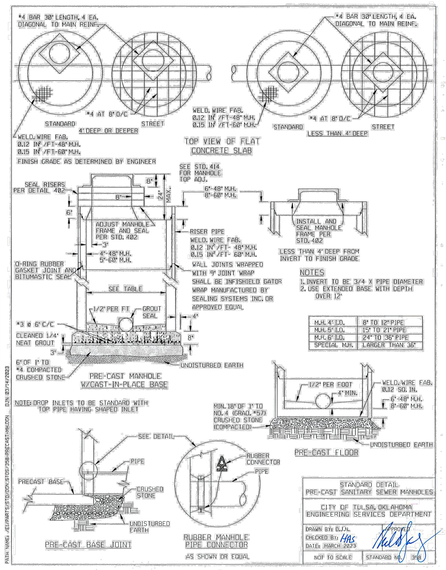


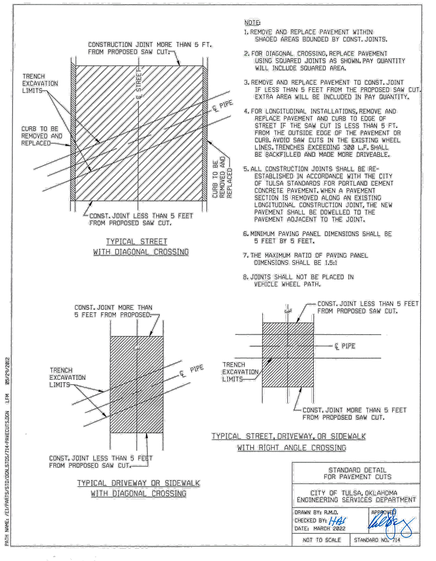


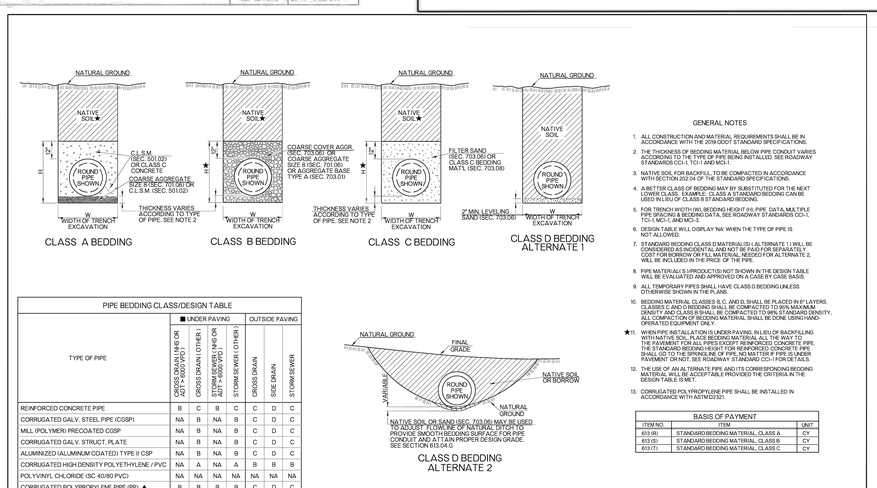


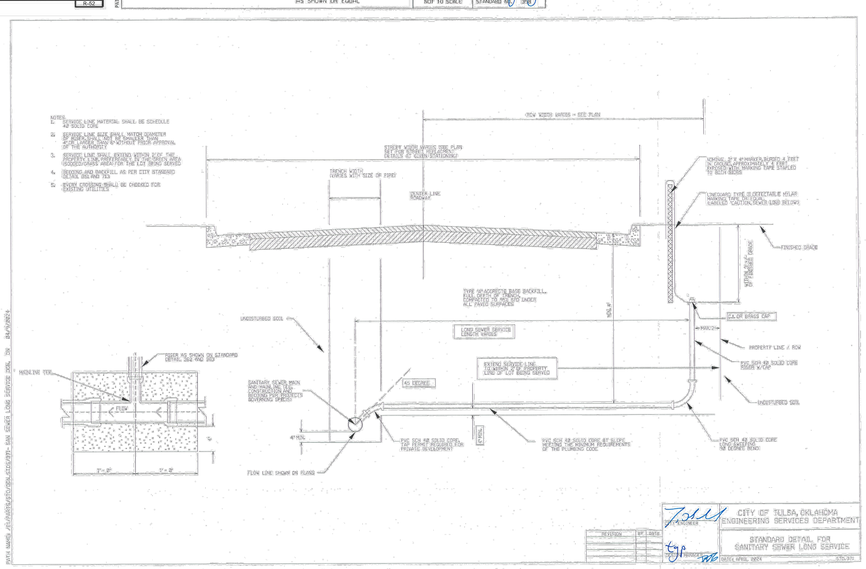












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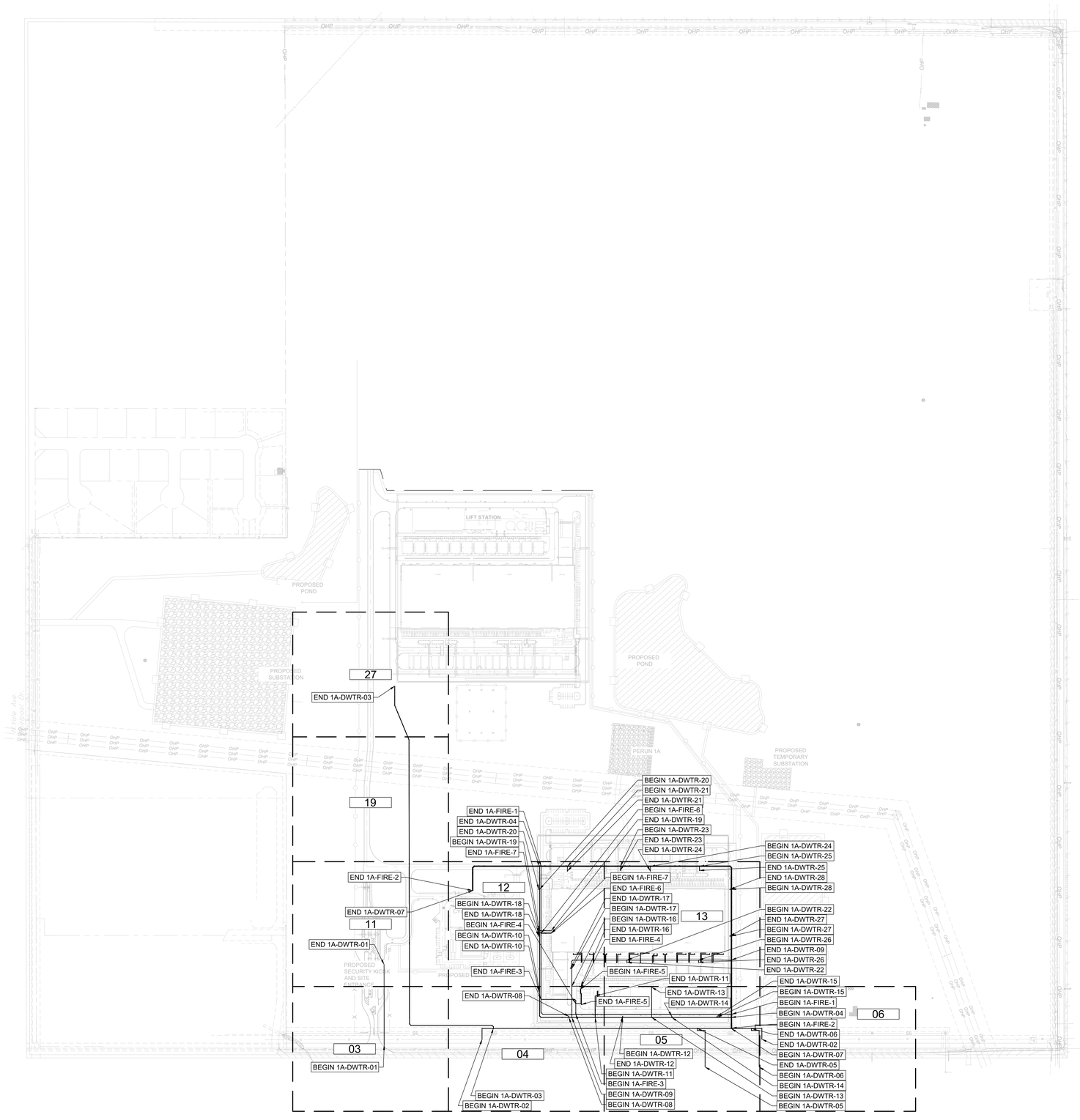

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N

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SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6000 WATER AND FIRE WATER PLAN - OVERALL 8/15/2025 11:25 AM

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER AND FIRE WATER PLAN - OVERALL
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6000
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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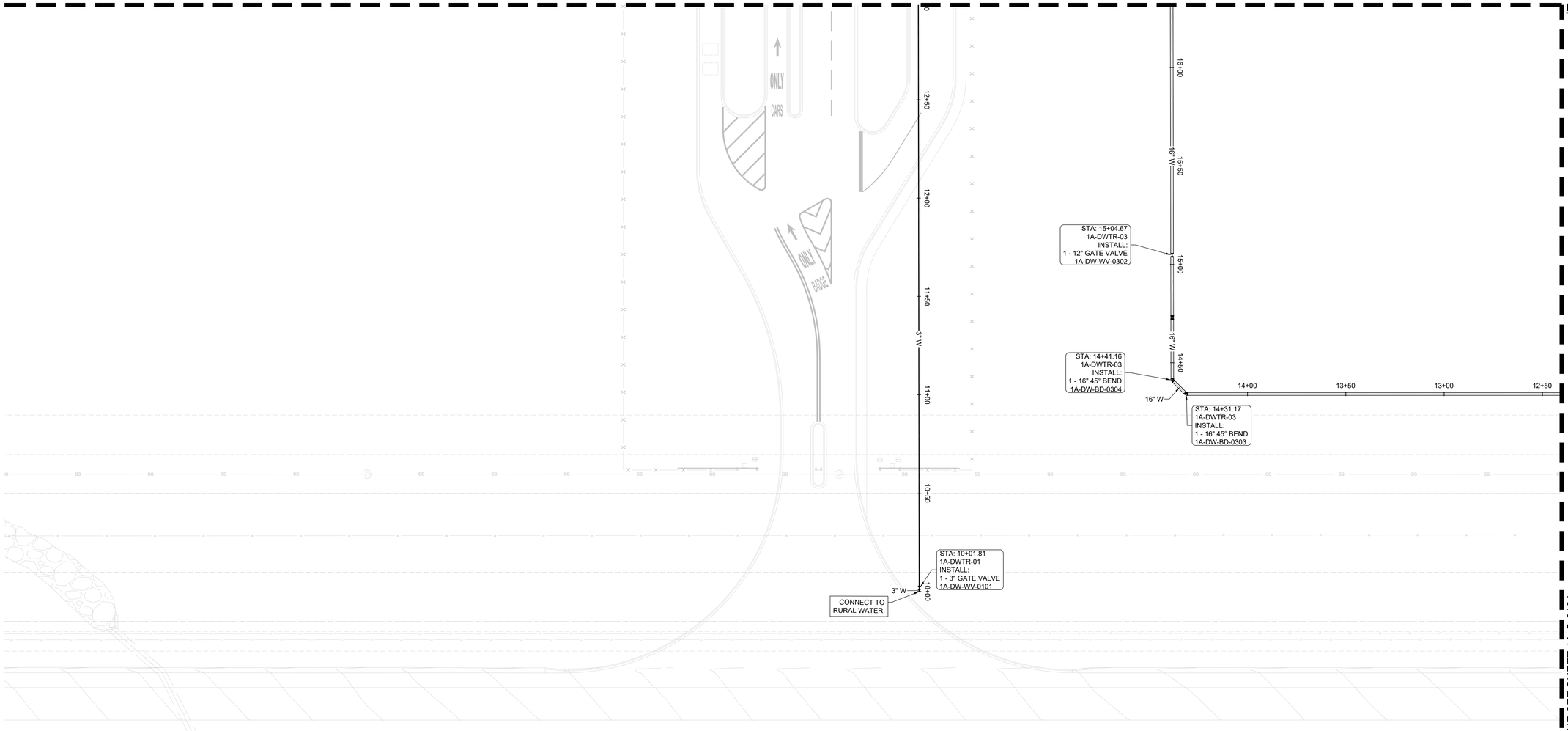

MATCHLINE SEE SHEET 1A-C-6104

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
2. GENERAL CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH EXISTING GRADES.
3. REFER TO M.E.P. PLANS FOR CONTINUATION OF UTILITY SERVICES.
4. PRIOR TO TIE-IN, CONTRACTOR SHALL TEST, DISINFECT, AND FLUSH THE WATER MAINS IN ACCORDANCE WITH TULSA COUNTY WATER SPECIFICATIONS.
5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

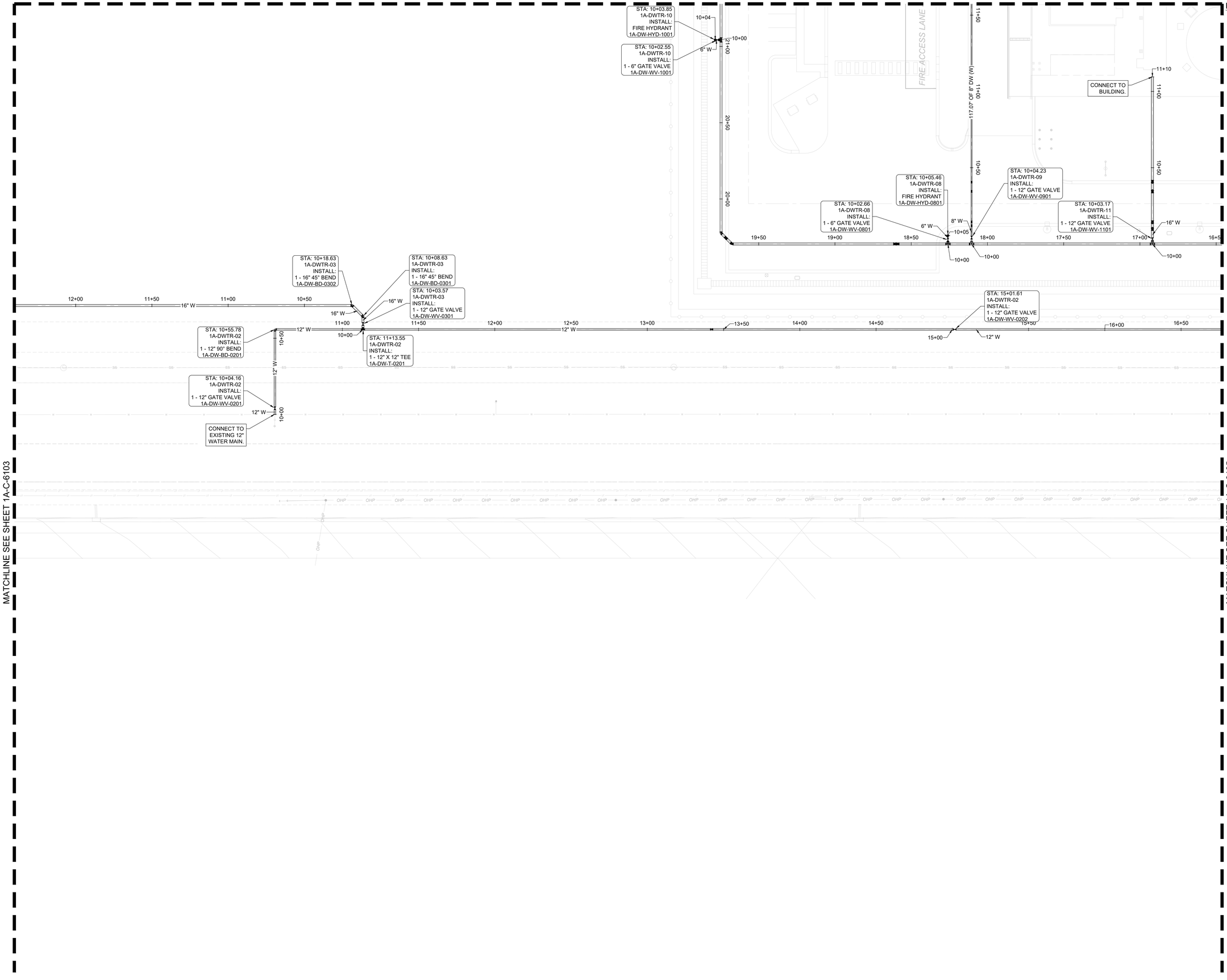
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6103
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6112



MATCHLINE SEE SHEET 1A-C-6103

MATCHLINE SEE SHEET 1A-C-6105

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
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SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-####. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6104
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6113

MATCHLINE SEE SHEET 1A-C-6104

MATCHLINE SEE SHEET 1A-C-6106

CONNECT TO BUILDING.

STA: 10+05.46
1A-DWTR-12
INSTALL:
FIRE HYDRANT
1A-DW-HYD-1201

STA: 10+02.72
1A-DWTR-12
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-1201

STA: 15+52.01
1A-DWTR-04
INSTALL:
1 - 16" X 16" TEE
1A-DW-T-0404

STA: 14+66.62
1A-DWTR-04
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0402

STA: 10+03.68
1A-DWTR-13
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-1301

STA: 14+04.71
1A-DWTR-04
INSTALL:
1 - 16" X 16" TEE
1A-DW-T-0403

STA: 10+05.46
1A-DWTR-14
INSTALL:
FIRE HYDRANT
1A-DW-HYD-1401

STA: 10+02.96
1A-DWTR-14
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-1401

STA: 20+02.99
1A-DWTR-02
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0203

STA: 10+05.46
1A-DWTR-15
INSTALL:
FIRE HYDRANT
1A-DW-HYD-1501

STA: 10+03.11
1A-DWTR-15
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-1501

STA: 10+07.07
1A-DWTR-04
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0401

STA: 10+86.71
1A-DWTR-07
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0701

STA: 10+56.04
1A-DWTR-07
INSTALL:
1 - 16" X 16" TEE
1A-DW-T-0701

STA: 10+19.18
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0702

STA: 10+08.41
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0701

STA: 23+23.02
1A-DWTR-02
INSTALL:
1 - 12" X 12" TEE
1A-DW-T-0203

STA: 10+17.50
1A-DWTR-29
INSTALL:
1 - 12" 90° BEND
1A-DW-BD-2901

STA: 24+44.63
1A-DWTR-02
INSTALL:
1 - 12" X 12" TEE
1A-DW-T-0205

STA: 24+25.95
1A-DWTR-02
INSTALL:
1 - 12" X 12" TEE
1A-DW-T-0204

STA: 12+31.97
1A-DWTR-06
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0601

STA: 12+24.93
1A-DWTR-06
INSTALL:
1 - 12" 90° BEND
1A-DW-BD-0601

STA: 11+85.52
1A-DWTR-06
INSTALL:
1 - 12" 90° BEND
1A-DW-BD-0602

STA: 21+50.91
1A-DWTR-02
INSTALL:
1 - 12" X 12" TEE
1A-DW-T-0202

STA: 12+32.46
1A-DWTR-05
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0501

STA: 12+24.93
1A-DWTR-05
INSTALL:
1 - 12" 90° BEND
1A-DW-BD-0501

STA: 12+05.07
1A-DWTR-05
INSTALL:
1 - 12" 45° BEND
1A-DW-BD-0502

STA: 11+92.97
1A-DWTR-05
INSTALL:
1 - 12" 45° BEND
1A-DW-BD-0503

STA: 11+85.52
1A-DWTR-05
INSTALL:
1 - 12" 90° BEND
1A-DW-BD-0504

CONNECT TO EXISTING WATER MAIN.

CONNECT TO EXISTING WATER MAIN.

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
2. GENERAL CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH EXISTING GRADES.
3. REFER TO M.E.P. PLANS FOR CONTINUATION OF UTILITY SERVICES.
4. PRIOR TO TIE-IN, CONTRACTOR SHALL TEST, DISINFECT, AND FLUSH THE WATER MAINS IN ACCORDANCE WITH TULSA COUNTY WATER SPECIFICATIONS.
5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-####. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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1670 BROADWAY
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Ph. (763) 591-5400

MEP:
HDR Engineering, Inc.
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DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

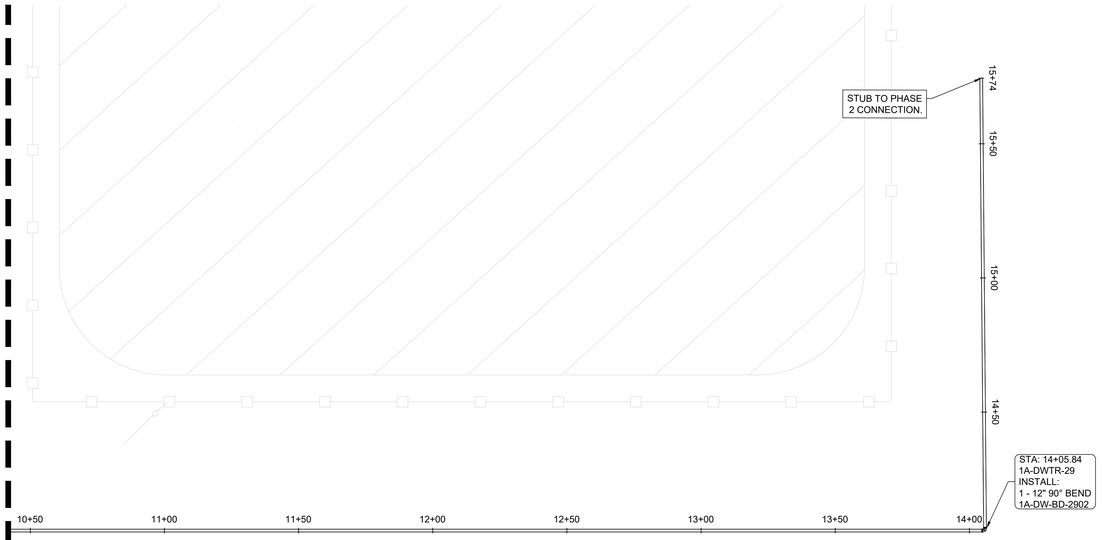
PROJ. NO.: 10434525

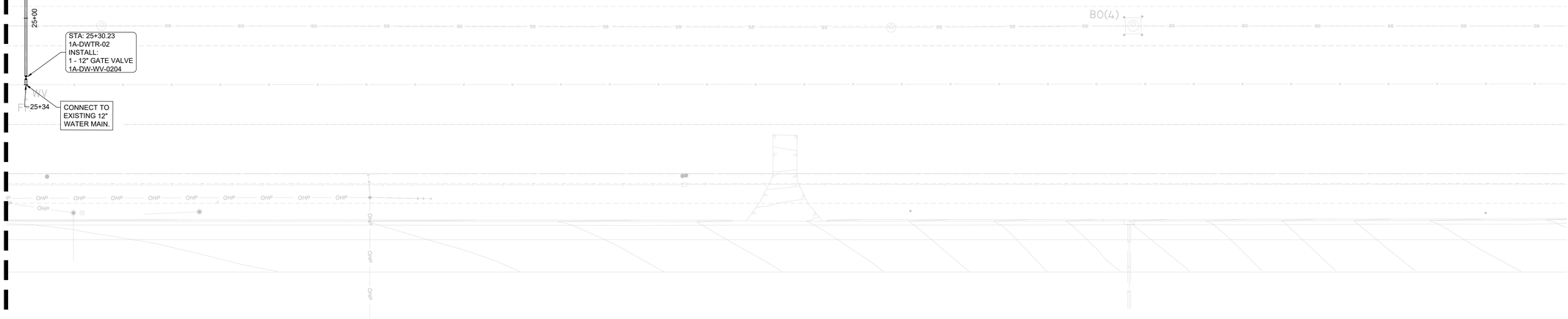
WATER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN





MATCHLINE SEE SHEET 1A-C--1

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL 309 ON SHEET 1A-C-6501
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
2. GENERAL CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH EXISTING GRADES.
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5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C151, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-6500. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
SUITE 600
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Ph. (763) 591-5400

STRUCTURE:
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6106
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6119

STA: 22+57.67
1A-DWTR-03
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0309

STA: 22+54.84
1A-DWTR-03
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0308

STA: 20+05.79
1A-DWTR-03
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0303

16" W

STA: 18+53.79
1A-DWTR-03
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0307

STA: 18+47.38
1A-DWTR-03
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0306

CONNECT TO SECURITY OFFICE.

22+50
22+00
21+50
21+00
20+50
20+00
19+50
19+00
18+50
18+00
17+50
17+00
16+50
14+10
14+00
13+50
13+

YIELD
STOP
EXIT LANE
LANE 2
LANE 1

MATCHLINE SEE SHEET 1A-C-6112

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
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5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-6103

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6101 WATER PLAN 8/15/2025 11:03 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
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MEP:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6111
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

STA: 30+92.95
1A-DWTR-07
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0705

STA: 31+26.08
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0711

STA: 31+36.08
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0712

STA: 32+47.91
1A-DWTR-07
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0706

STUB FOR HUB CONNECTION.

STA: 28+28.15
1A-DWTR-07
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0710

STA: 28+15.19
1A-DWTR-07
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0709

STA: 27+65.64
1A-DWTR-07
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0707

STA: 27+76.55
1A-DWTR-07
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0708

STA: 27+94.65
1A-DWTR-07
INSTALL:
1 - 16" X 16" TEE
1A-DW-T-174

STA: 27+29.85
1A-DWTR-04
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0404

STA: 26+70.27
1A-DWTR-04
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0410

STA: 25+91.91
1A-DWTR-07
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0704

STA: 25+55.42
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-171

STA: 25+50.07
1A-DWTR-07
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-170

STA: 10+04.16
1A-DWTR-21
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-2101

STA: 26+53.08
1A-DWTR-07
INSTALL:
1 - 16" X 16" TEE
1A-DW-T-0708

STA: 10+23.33
1A-DWTR-21
INSTALL:
FIRE HYDRANT
1A-DW-HYD-2101

STA: 10+03.83
1A-DWTR-20
INSTALL:
FIRE HYDRANT
1A-DW-HYD-2001

STA: 10+02.58
1A-DWTR-20
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-2001

STA: 24+19.97
1A-DWTR-04
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0403

STA: 10+02.74
1A-DWTR-19
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-1901

CONNECT TO DC.

STA: 10+03.84
1A-DWTR-18
INSTALL:
FIRE HYDRANT
1A-DW-HYD-1801

STA: 10+32.42
1A-DWTR-19
INSTALL:
1 - 3" 45° BEND
1A-DW-BD-173

STA: 10+29.01
1A-DWTR-19
INSTALL:
1 - 3" 45° BEND
1A-DW-BD-172

STA: 10+02.24
1A-DWTR-18
INSTALL:
1 - 6" GATE VALVE
1A-DW-WV-1801

STA: 24+15.89
1A-DWTR-04
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0409

STA: 24+14.67
1A-DWTR-04
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0408

STA: 23+90.37
1A-DWTR-04
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0407

STA: 23+89.00
1A-DWTR-04
INSTALL:
1 - 16" 45° BEND
1A-DW-BD-0406

16" W

STA: 10+04.35
1A-DWTR-19
INSTALL:
1 - 3" 45° BEND
1A-DW-BD-1901

3" W

STA: 10+05.43
1A-DWTR-19
INSTALL:
1 - 3" 45° BEND
1A-DW-BD-1902

0.42' OF 16" DW (W)

10+00

24+00

10+04

10+00

STA: 13+26.32
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0910

STA: 13+20.19
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0909

STA: 12+93.47
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0906

STA: 12+86.40
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0905

STA: 12+83.40
1A-DWTR-09
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0902

STA: 12+50.03
1A-DWTR-09
INSTALL:
1 - 8" X 8" TEE
1A-DW-T-0902

STA: 10+07.03
1A-DWTR-17
INSTALL:
FIRE HYDRANT
1A-DW-HYD-1701

STA: 13+15.02
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0908

STA: 13+08.12
1A-DWTR-09
INSTALL:
1 - 8" 45° BEND
1A-DW-BD-0907

STA: 11+58.81
1A-DWTR-09
INSTALL:
1 - 8" X 8" TEE
1A-DW-T-0901

STA: 10+00.80
1A-DWTR-16
INSTALL:
1 - 3" 22.5° BEND
1A-DW-BD-1601

OFFICE

MATCHLINE SEE SHEET 1A-C-6111

MATCHLINE SEE SHEET 1A-C-6113

MATCHLINE SEE SHEET 1A-C-6104

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

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7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\0600057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6101 WATER PLAN 8/15/2025 11:03 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

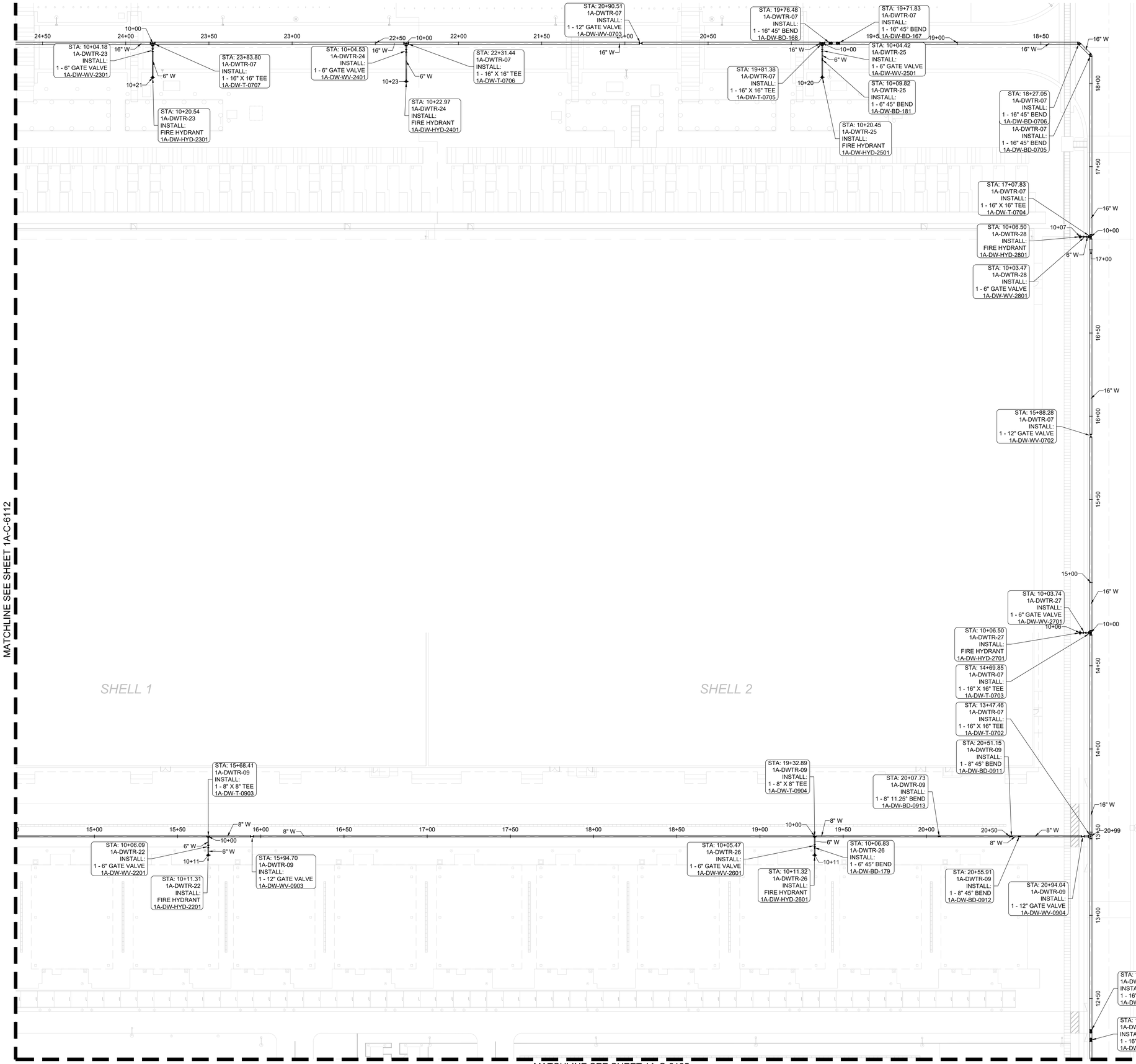
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6112
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
2. GENERAL CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH EXISTING GRADES.
3. REFER TO M.E.P. PLANS FOR CONTINUATION OF UTILITY SERVICES.
4. PRIOR TO TIE-IN, CONTRACTOR SHALL TEST, DISINFECT, AND FLUSH THE WATER MAINS IN ACCORDANCE WITH TULSA COUNTY WATER SPECIFICATIONS.
5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-####. (NOT ALL UTILITY CROSSINGS LABELED)

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6101 WATER PLAN 8/15/2025 11:03 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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ST. LOUIS PARK, MN
55416
Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6113
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6127

29+00
16" W

STA: 28+86.90
1A-DWTR-03
INSTALL:
1 - 16" 22.5° BEND
1A-DW-BD-0316

STA: 28+67.56
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0315

28+50

STA: 28+42.83
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0314

28+00

STA: 27+79.55
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0313

STA: 27+49.73
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0312

27+50

STA: 26+96.06
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0311

27+00

26+50

STA: 26+16.32
1A-DWTR-03
INSTALL:
1 - 16" 11.25° BEND
1A-DW-BD-0310

26+00

25+50

16" W

STA: 25+06.84
1A-DWTR-03
INSTALL:
1 - 12" GATE VALVE
1A-DW-WV-0304

25+00

24+50

24+00

23+50

23+00

MATCHLINE SEE SHEET 1A-C-6120

MATCHLINE SEE SHEET 1A-C-6111

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
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5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6101 WATER PLAN 8/15/2025 11:03 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

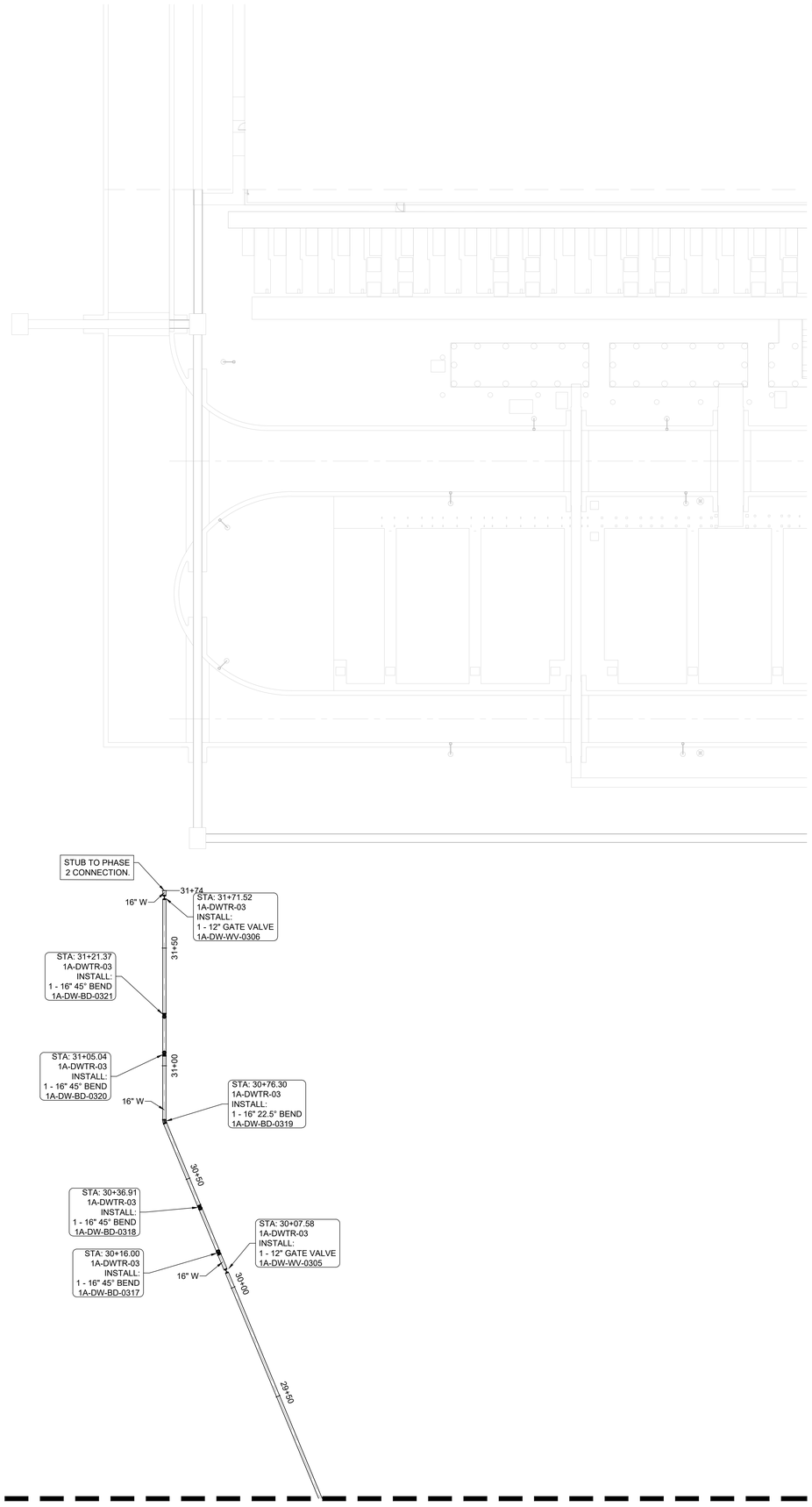
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6119
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL 309 ON SHEET 1A-C-6501
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
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6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C151, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-6500. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-19

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6125 WATER PLAN 6/19/2025 4:11 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

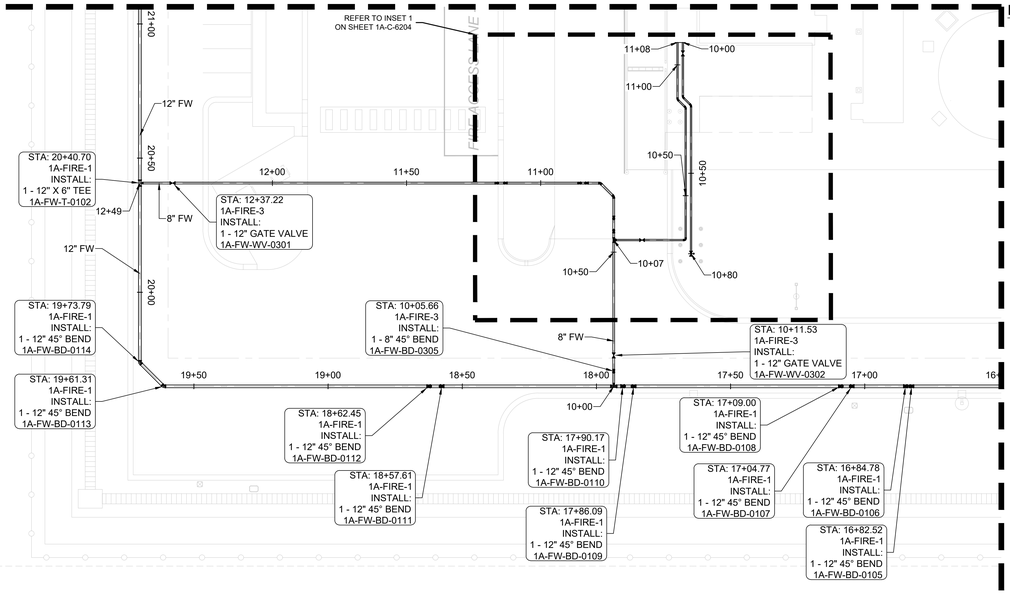
WATER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6127

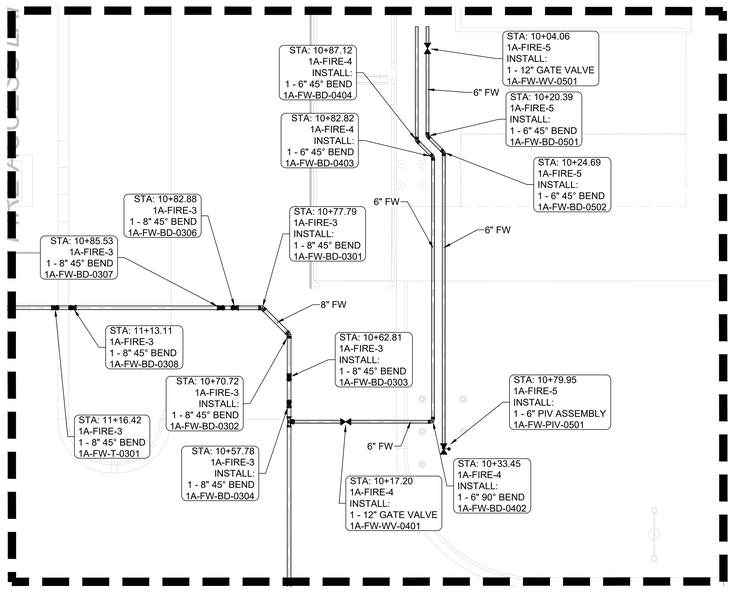
PAPER SIZE: E (36"x48")
PHASE: 65% DESIGN

MATCHLINE SEE SHEET 1A-C-12



MATCHLINE SEE SHEET 1A-C-3

MATCHLINE SEE SHEET 1A-C-5



CONNECTIONS TO CTB (INSET 1) SCALE 1":10'

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

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5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

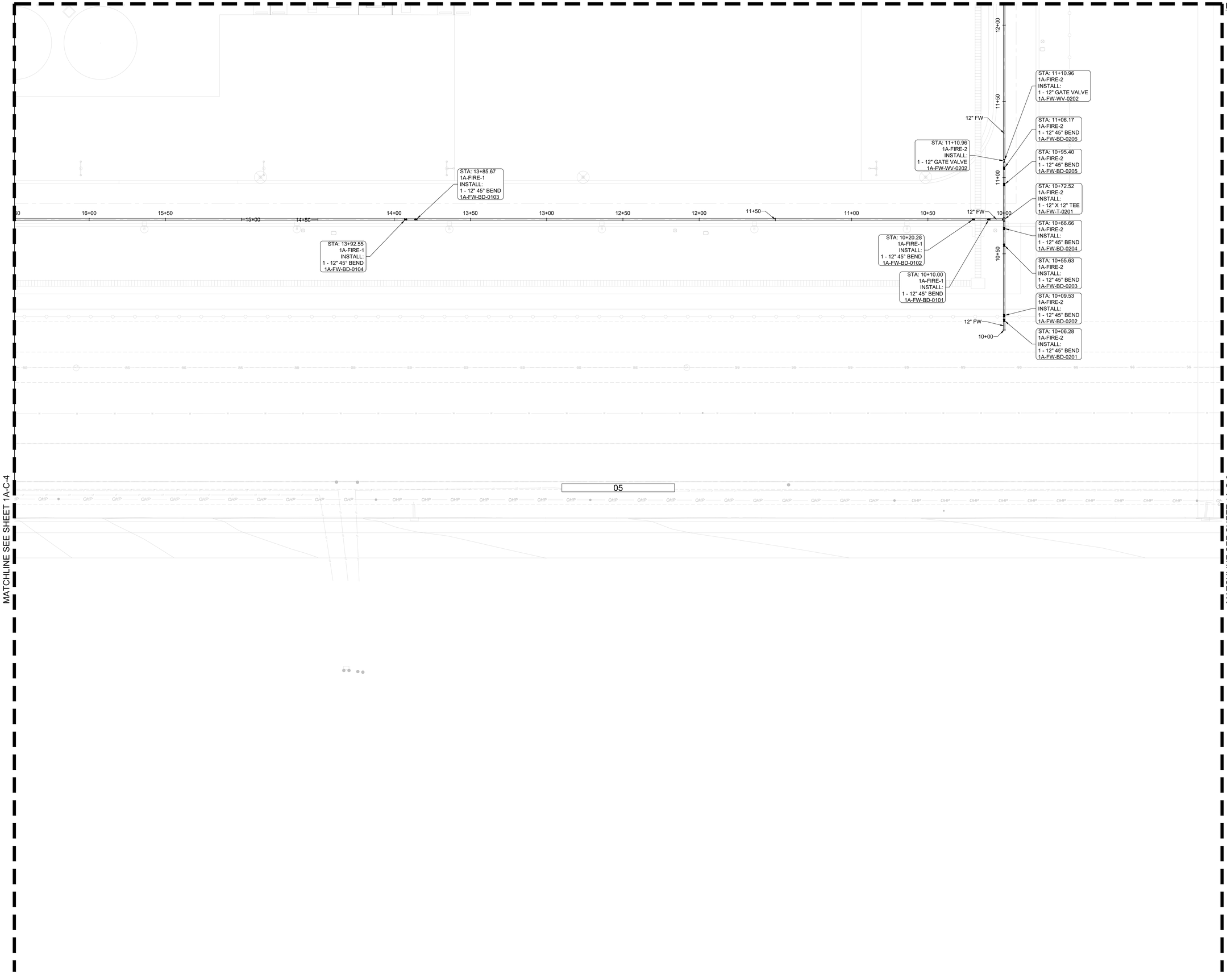
CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

FIRE WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6204
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCUACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6201 FIRE WATER PLAN 8/15/2025 10:10 AM

MATCHLINE SEE SHEET 1A-C-13



MATCHLINE SEE SHEET 1A-C-4

MATCHLINE SEE SHEET 1A-C-6

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

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7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

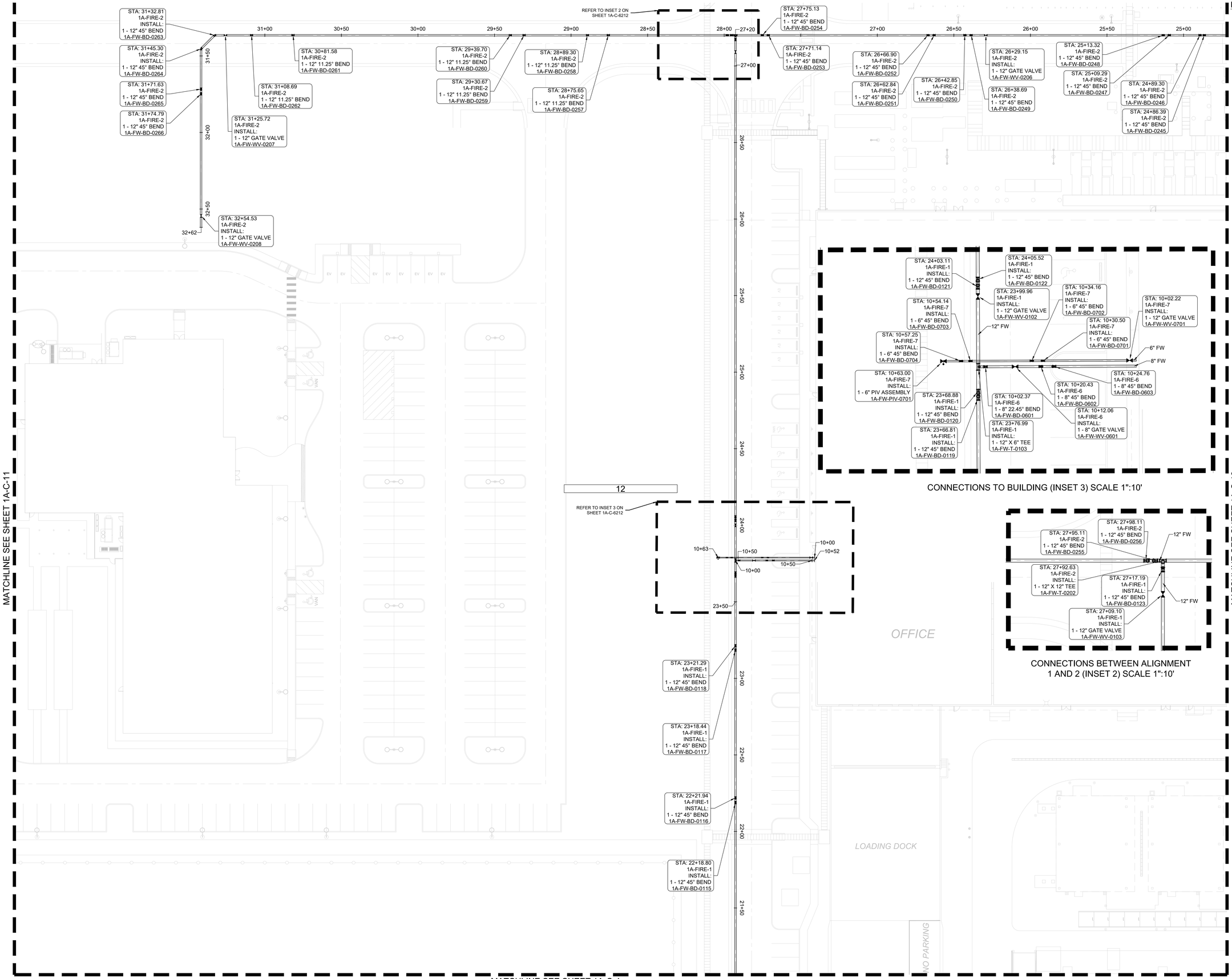
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

FIRE WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6205
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6201 FIRE WATER PLAN 8/15/2025 10:10 AM



CONNECTIONS TO BUILDING (INSET 3) SCALE 1":10'

CONNECTIONS BETWEEN ALIGNMENT 1 AND 2 (INSET 2) SCALE 1":10'

LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
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SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-###. (NOT ALL UTILITY CROSSINGS LABELED)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-6201 FIRE WATER PLAN 8/6/2025 12:32 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

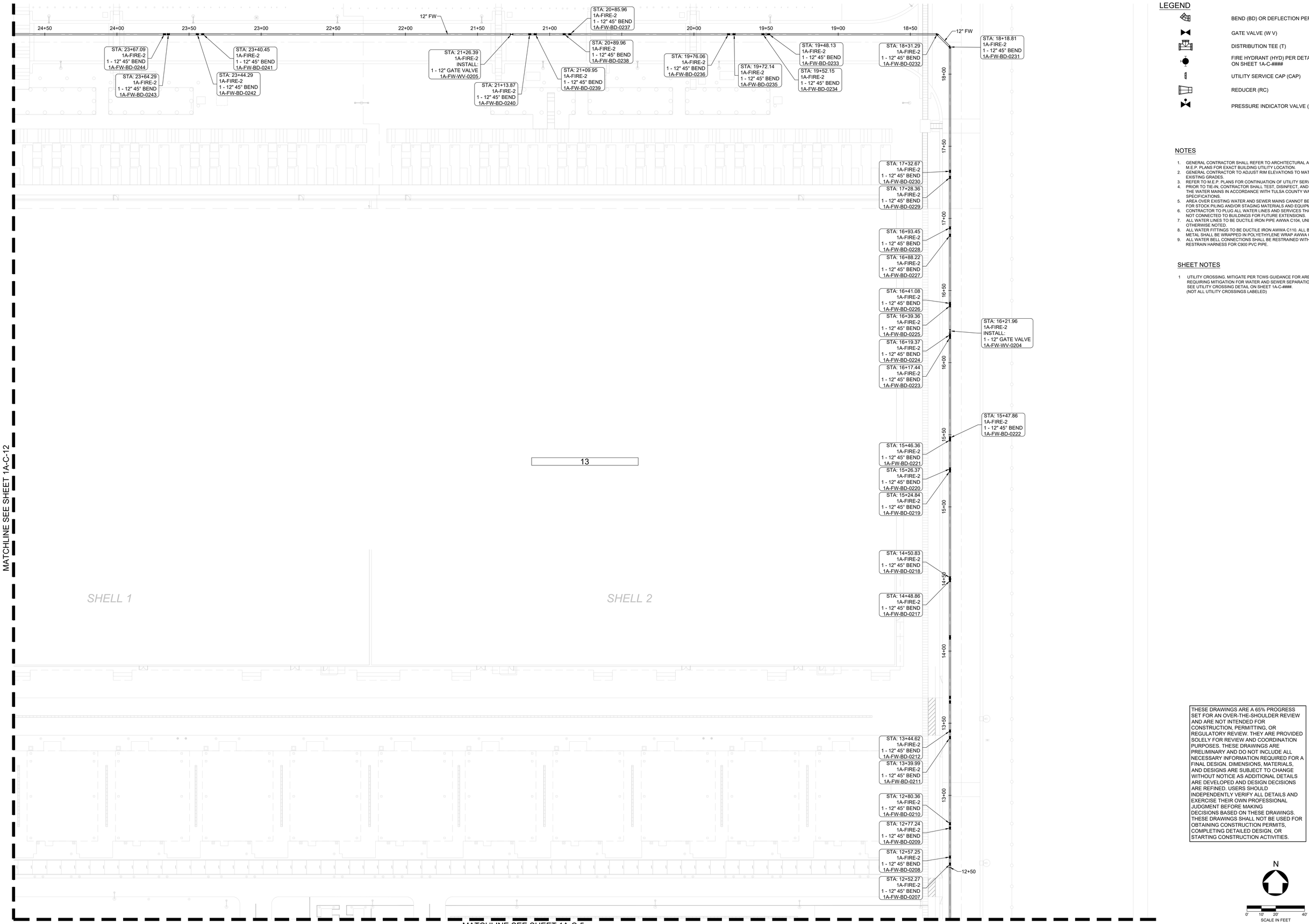
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

FIRE WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6212
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- BEND (BD) OR DEFLECTION PER PLAN
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD) PER DETAIL W-2 ON SHEET 1A-C-####
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- PRESSURE INDICATOR VALVE (PIV)

NOTES

1. GENERAL CONTRACTOR SHALL REFER TO ARCHITECTURAL AND M.E.P. PLANS FOR EXACT BUILDING UTILITY LOCATION.
2. GENERAL CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH EXISTING GRADES.
3. REFER TO M.E.P. PLANS FOR CONTINUATION OF UTILITY SERVICES.
4. PRIOR TO TIE-IN, CONTRACTOR SHALL TEST, DISINFECT, AND FLUSH THE WATER MAINS IN ACCORDANCE WITH TULSA COUNTY WATER SPECIFICATIONS.
5. AREA OVER EXISTING WATER AND SEWER MAINS CANNOT BE USED FOR STOCK PILING AND/OR STAGING MATERIALS AND EQUIPMENT.
6. CONTRACTOR TO PLUG ALL WATER LINES AND SERVICES THAT ARE NOT CONNECTED TO BUILDINGS FOR FUTURE EXTENSIONS.
7. ALL WATER LINES TO BE DUCTILE IRON PIPE AWWA C104, UNLESS OTHERWISE NOTED.
8. ALL WATER FITTINGS TO BE DUCTILE IRON AWWA C110. ALL BURIED METAL SHALL BE WRAPPED IN POLYETHYLENE WRAP AWWA C105.
9. ALL WATER BELL CONNECTIONS SHALL BE RESTRAINED WITH BELL RESTRAIN HARNESS FOR C900 PVC PIPE.

SHEET NOTES

1 UTILITY CROSSING. MITIGATE PER TCWS GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION. SEE UTILITY CROSSING DETAIL ON SHEET 1A-C-####. (NOT ALL UTILITY CROSSINGS LABELED)

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

FIRE WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6213
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6312



MATCHLINE SEE SHEET 1A-C-6305

LEGEND

BP		BEGINNING OF PIPE
EP		END OF PIPE
BD		BEND OR DEFLECTION PER PLAN
PIV		POST INDICATOR VALVE
GV		GATE VALVE PER DETAIL ON SHEET C-6500
T		DISTRIBUTION TEE PER DETAIL ON SHEET C-6500
HYD		FIRE HYDRANT PER DETAIL ON SHEET C-6500
CAP		UTILITY SERVICE CAP
ARV		AIR RELEASE VALVE
PRV		PRESSURE RELEASE VALVE
RDC		REDUCER
CRS		CROSS
FW		FIRE WATER
DWTR		DOMESTIC WATER
PWTR		PROCESS WATER
MRJ		MECHANICALLY RESTRAINED JOINT
DI		DROP INLET
CON		CONNECTION TO BUILDING
BO		BLOW-OFF ASSEMBLY
DIP		DUCTILE IRON PIPE
PW		PROCESS WATER
ST		PIPE STUB
		PROPERTY LINE
		PROCESS WATER ALIGNMENT
		EASEMENT

NOTES

1. ALL DOMESTIC, FIRE, AND PROCESS WATER ALIGNMENTS ARE AT PIPE CENTERLINE.
2. PW PIPE IS UNDERGROUND. PIPE IS MODELED AS ID (INSIDE DIAMETER). PIPE IS ROVANCO HDPE JACKETED SYSTEM CONSISTING OF A 16" HDPE CARRIER PIPE WITH POLYURETHANE INSULATION AND HDPE OUTER JACKET. TOTAL OUTSIDE DIAMETER IS APPROXIMATELY 20".

SHEET NOTES

1 BUILDING CONNECTION. SEE MECHANICAL DRAWINGS FOR CONTINUATION.

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2025-08-18

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REVISIONS		
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APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

PROCESS WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6304
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-6313



MATCHLINE SEE SHEET 1A-C-6304

LEGEND

BP		BEGINNING OF PIPE
EP		END OF PIPE
BD		BEND OR DEFLECTION PER PLAN
PIV		POST INDICATOR VALVE
GV		GATE VALVE PER DETAIL ON SHEET C-6500
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PROCESS WATER PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6305
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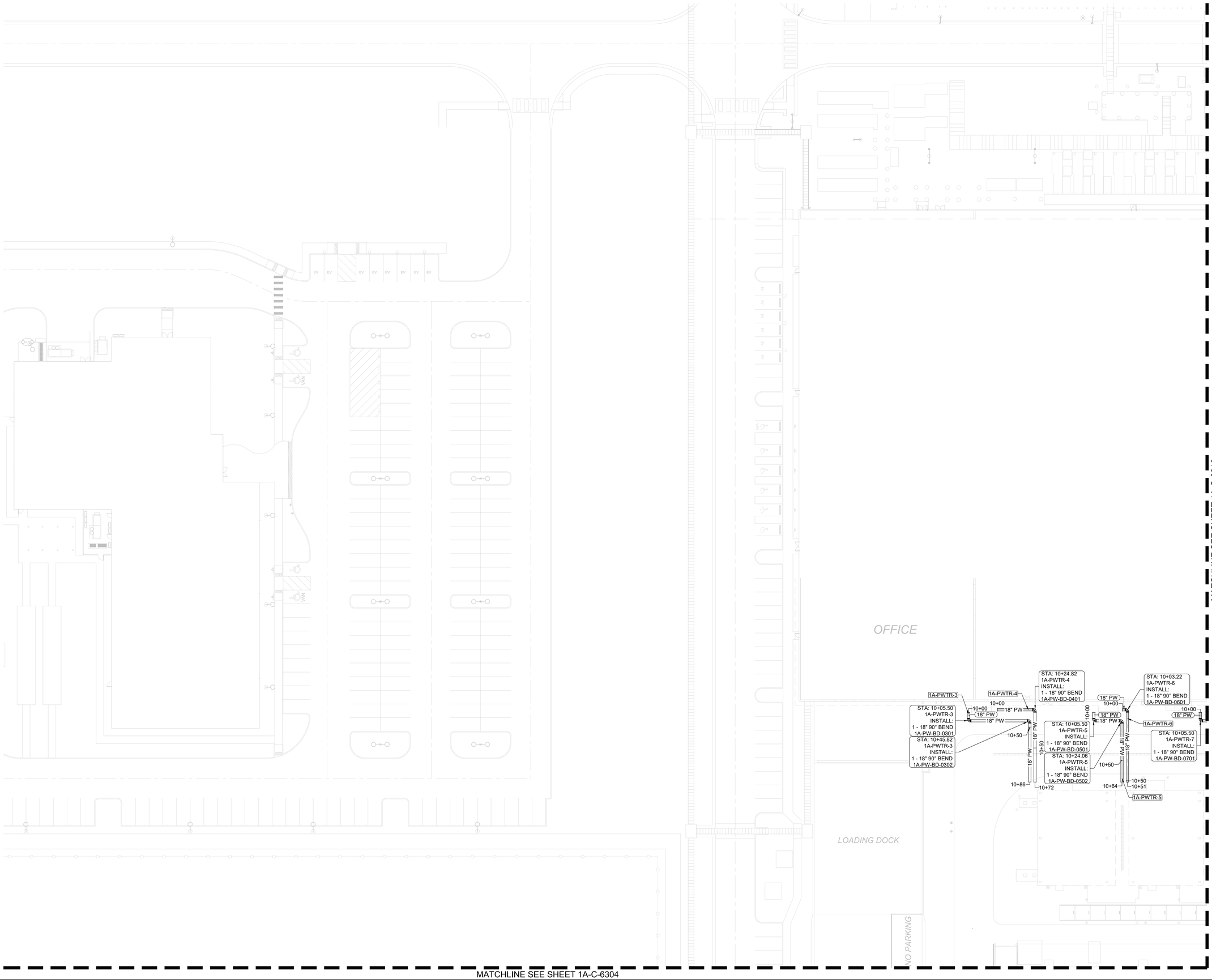

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SHEET NOTES

1 BUILDING CONNECTION. SEE MECHANICAL DRAWINGS FOR CONTINUATION.

MATCHLINE SEE SHEET 1A-C-6313

MATCHLINE SEE SHEET 1A-C-6304

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

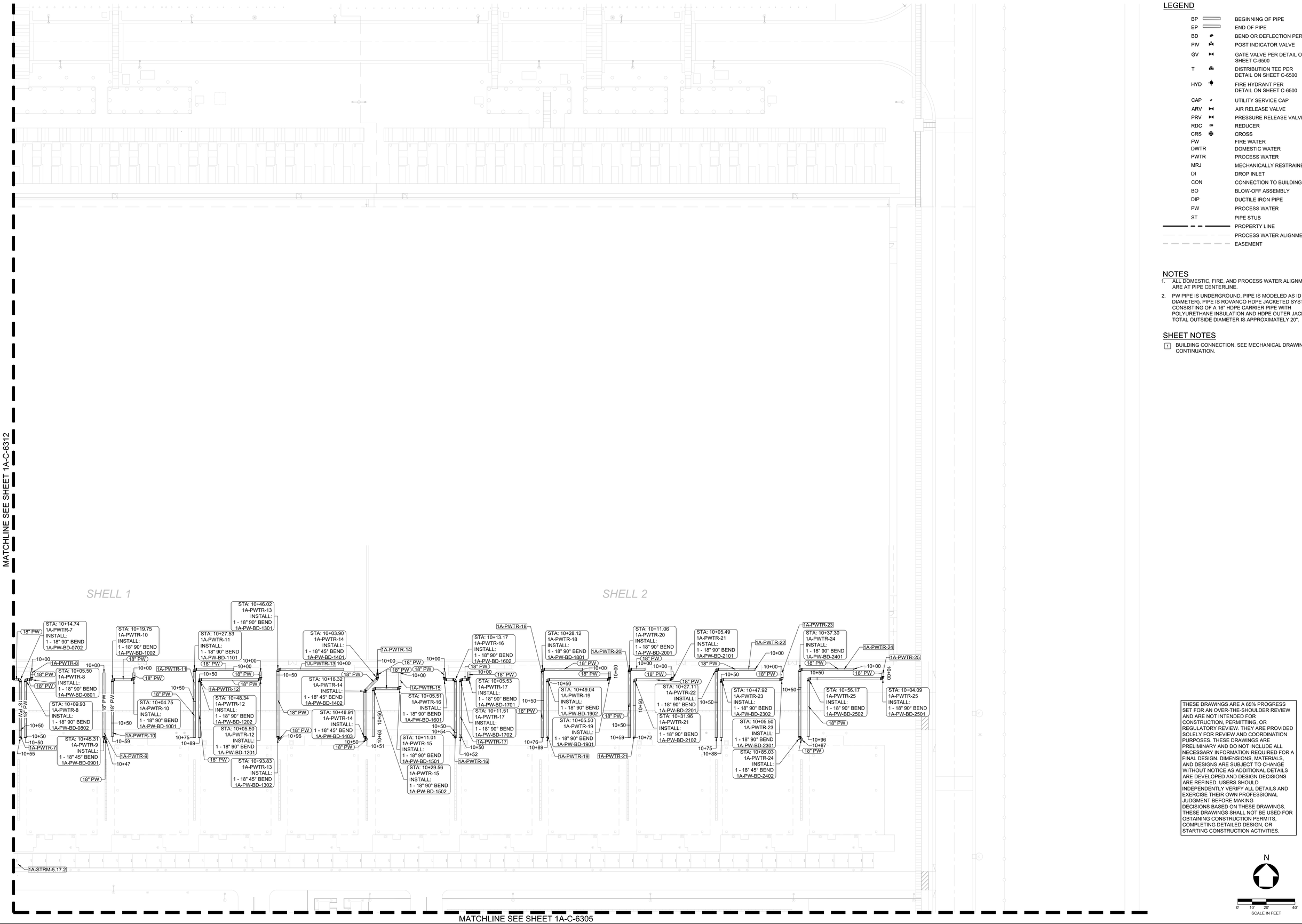
PROJ. NO.: 10434525

PROCESS WATER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6312

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

BP		BEGINNING OF PIPE
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BD		BEND OR DEFLECTION PER PLAN
PIV		POST INDICATOR VALVE
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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

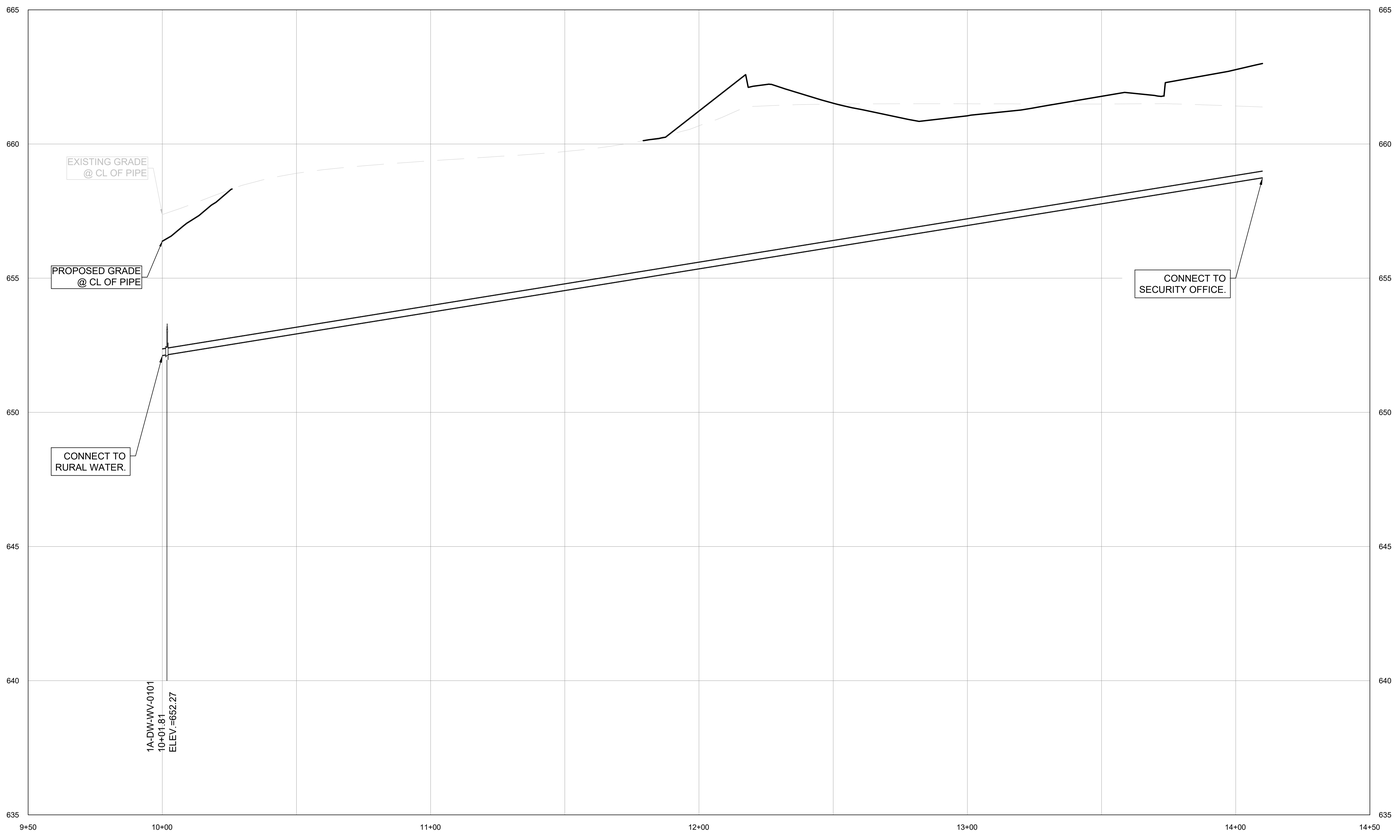
PROJ. NO.: 10434525

PROCESS WATER PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6313

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



1A-DWTR-01 PROFILE

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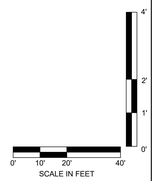

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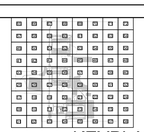

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DRAWN:

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PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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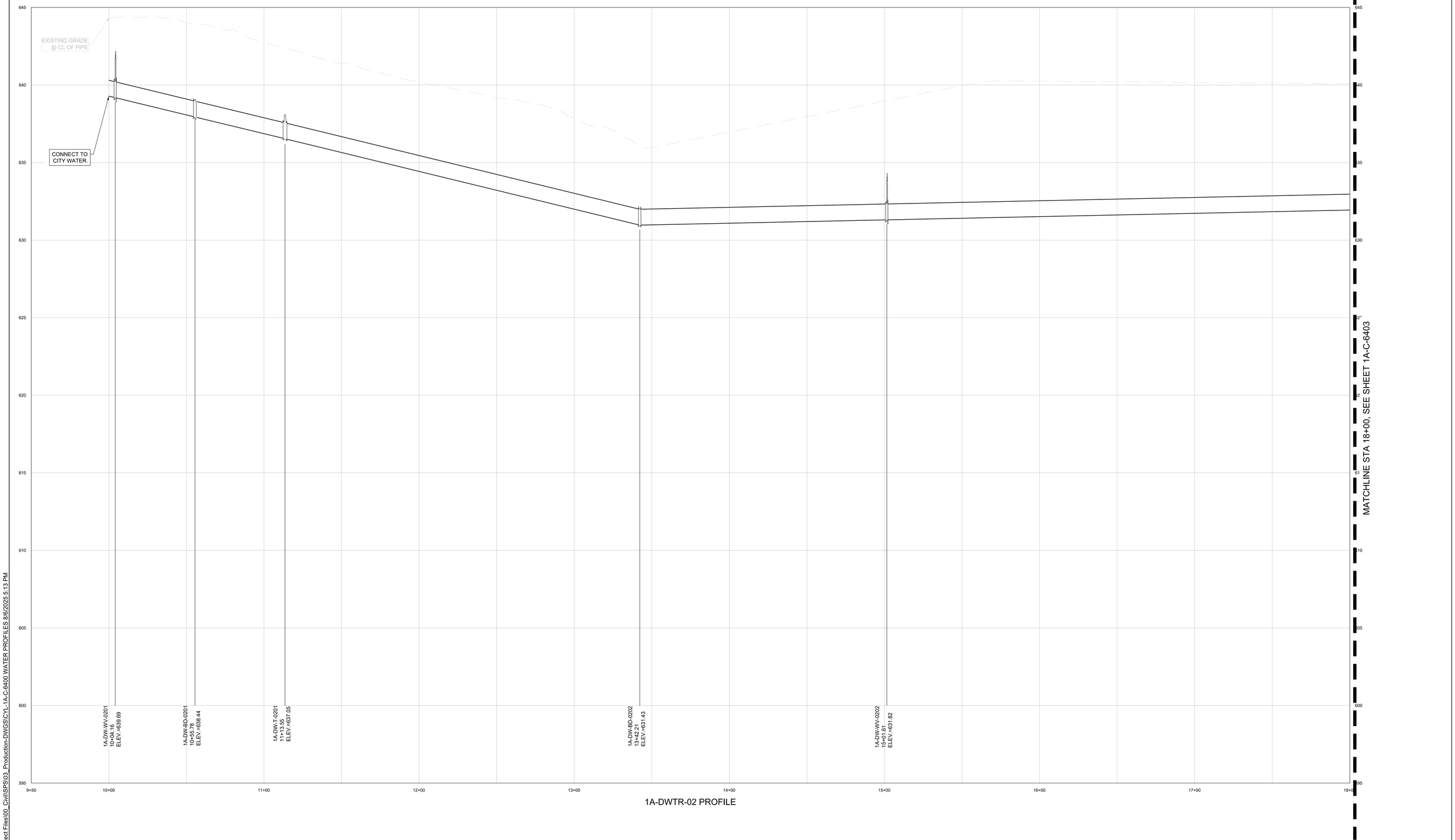
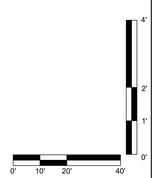
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



1A-DWTR-02 PROFILE



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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6402

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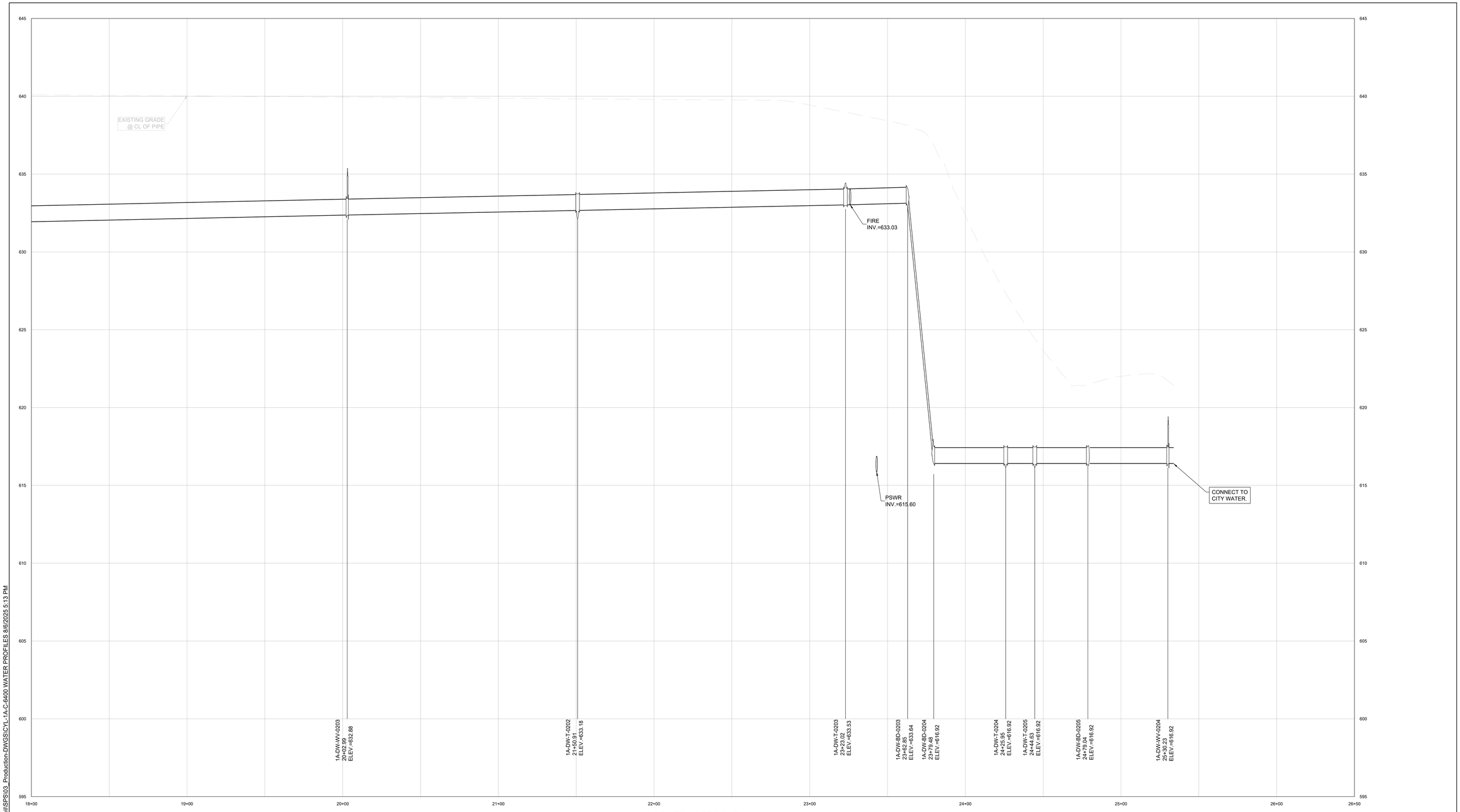

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0'

0' 10' 20' 40'

SCALE IN FEET

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

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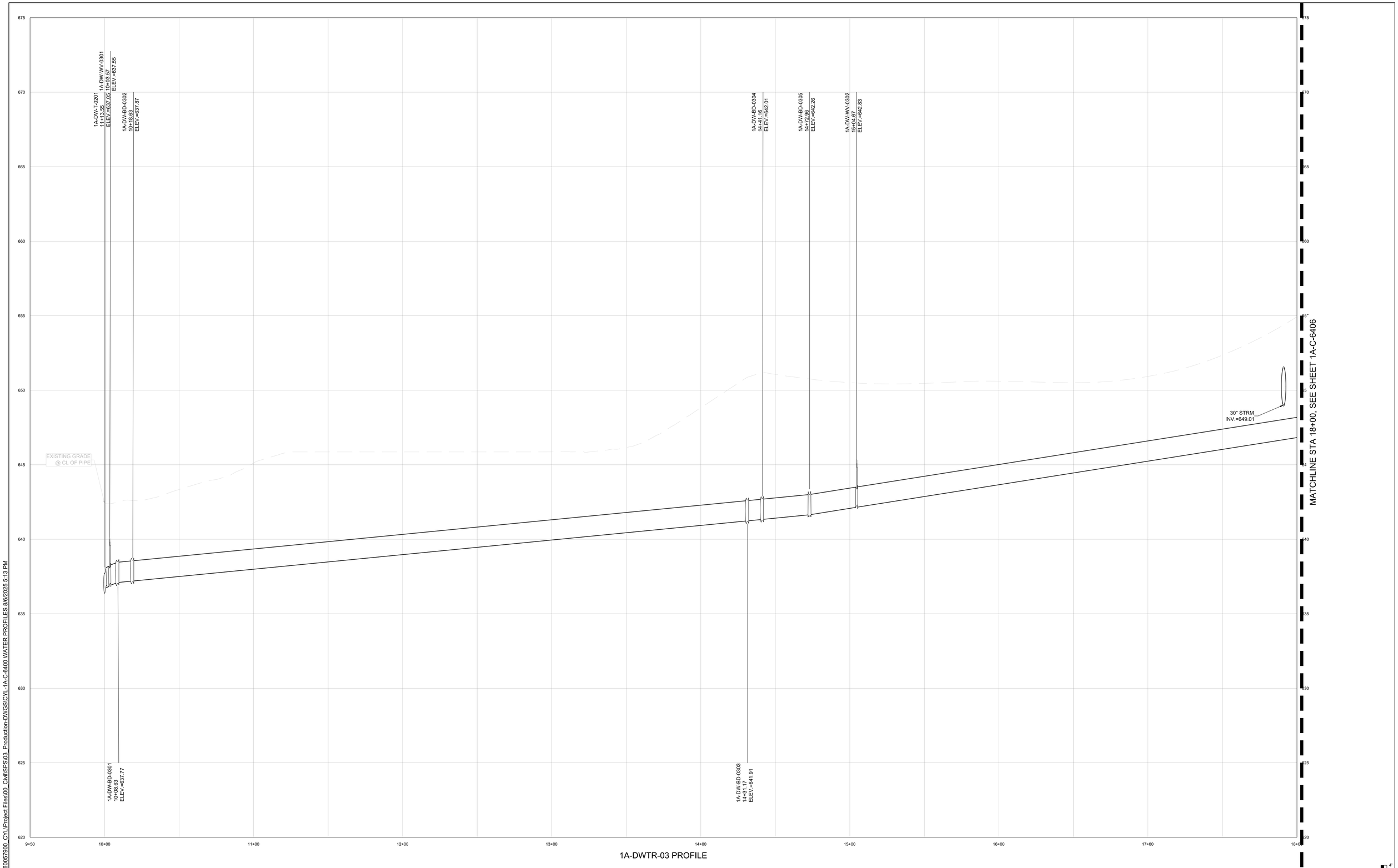

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ARCHITECTURE: HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	STRUCTURE: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	MEP: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	CIVIL: Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868	CYL1A (E3 Drawing Set) (NOT FOR CONSTRUCTION) 2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

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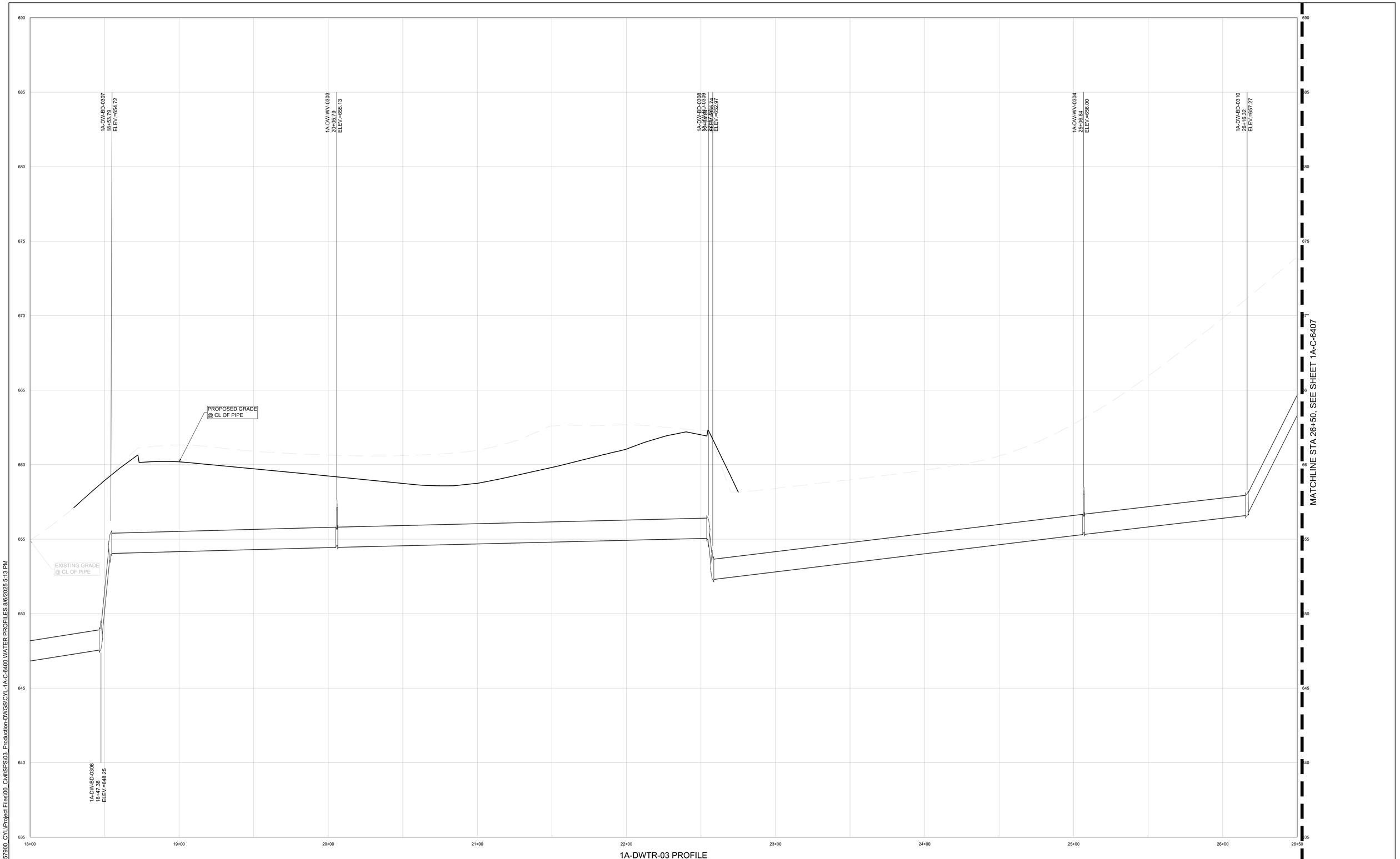

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ARCHITECTURE:
HDR Architecture, Inc.
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Ph. (763) 591-5400

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

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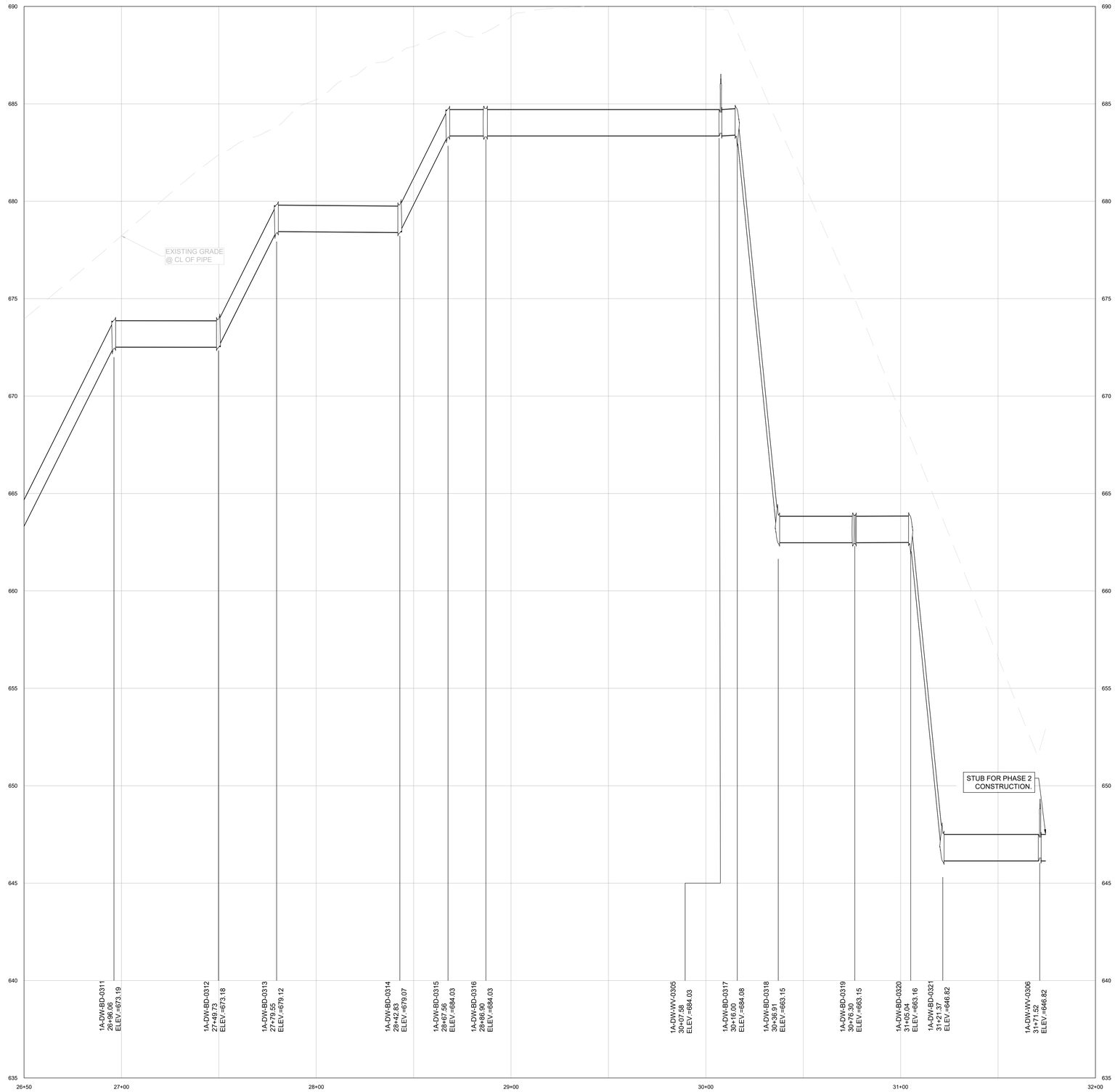

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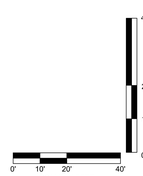

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
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DRAWN:

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CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

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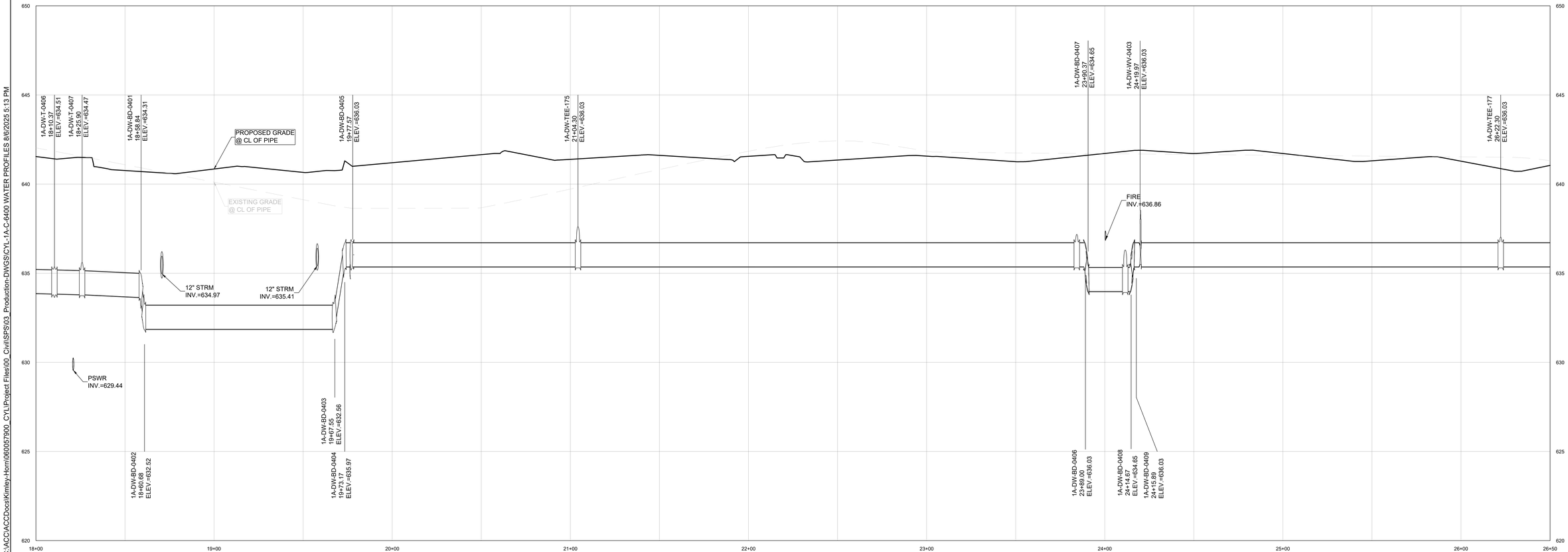

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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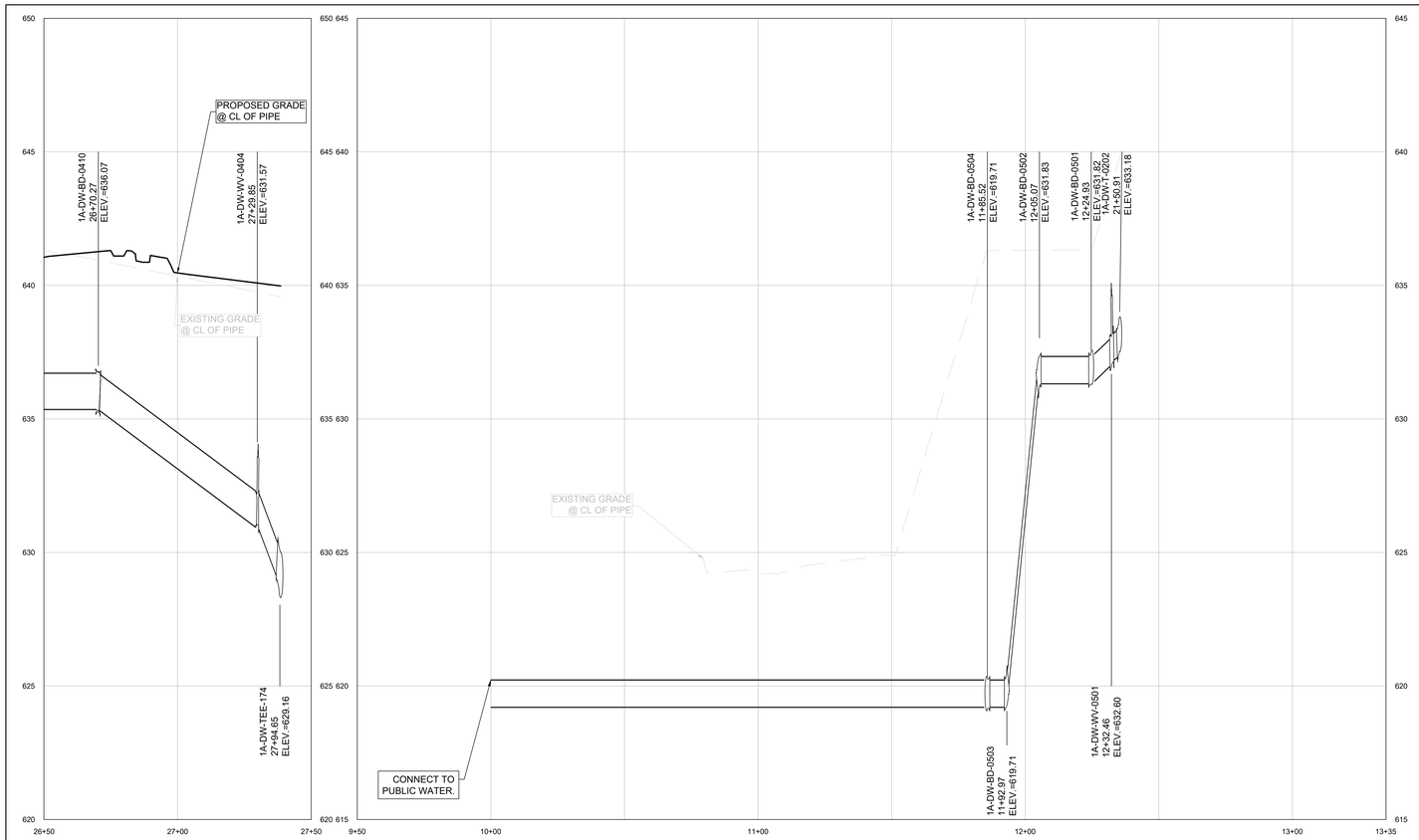

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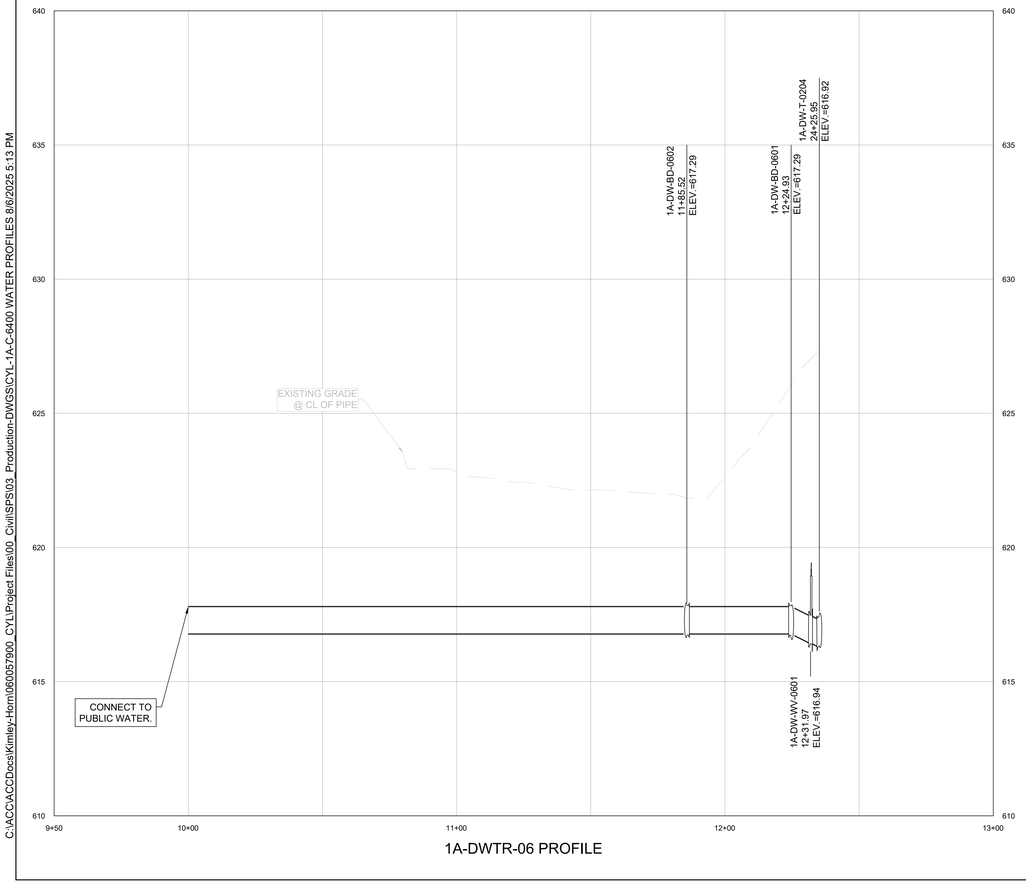

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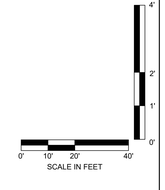

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DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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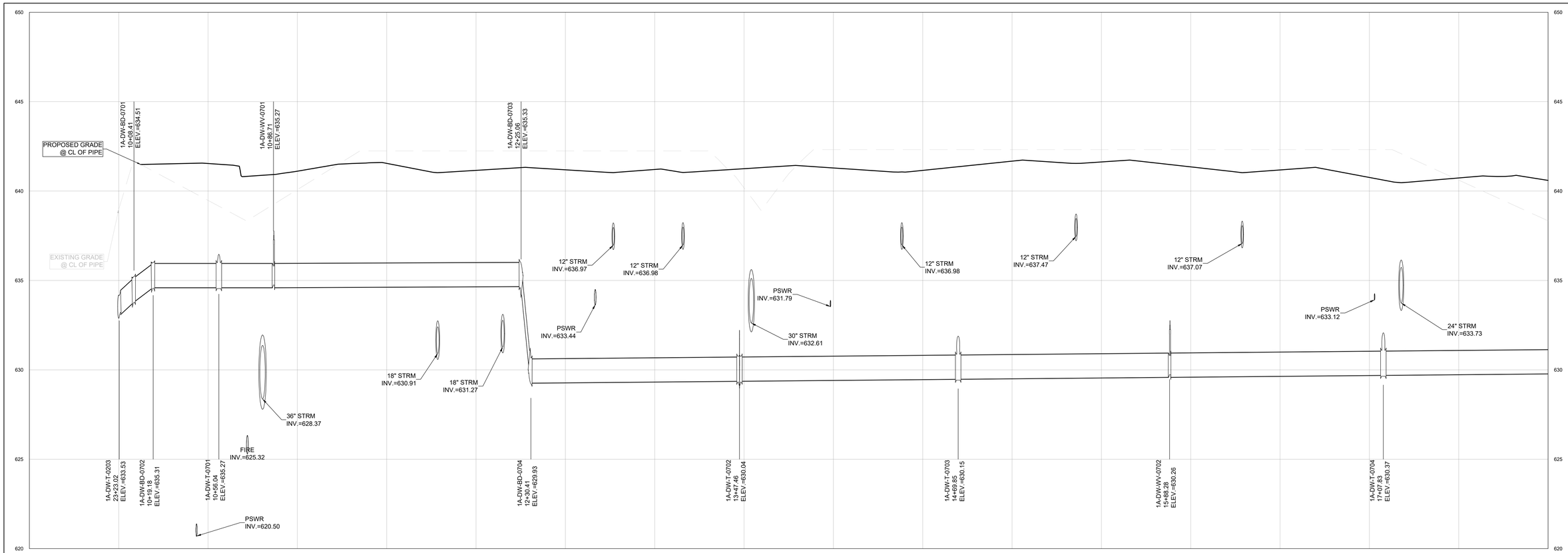

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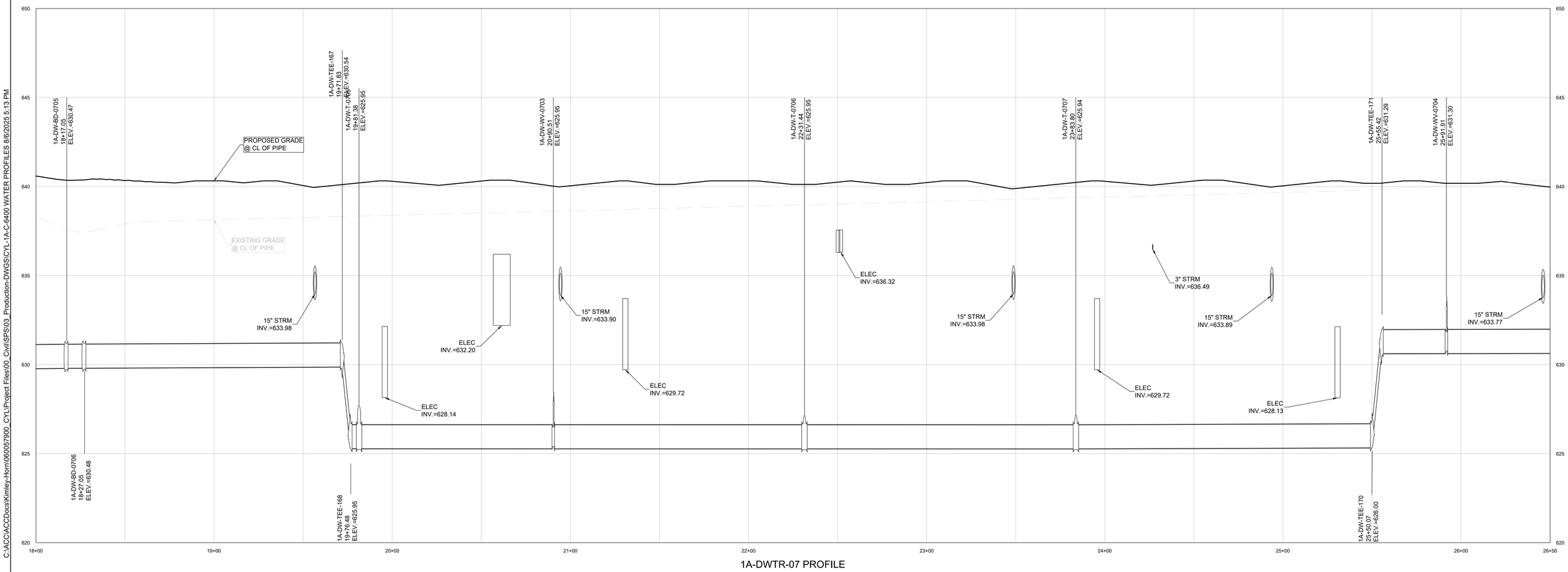

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0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6409

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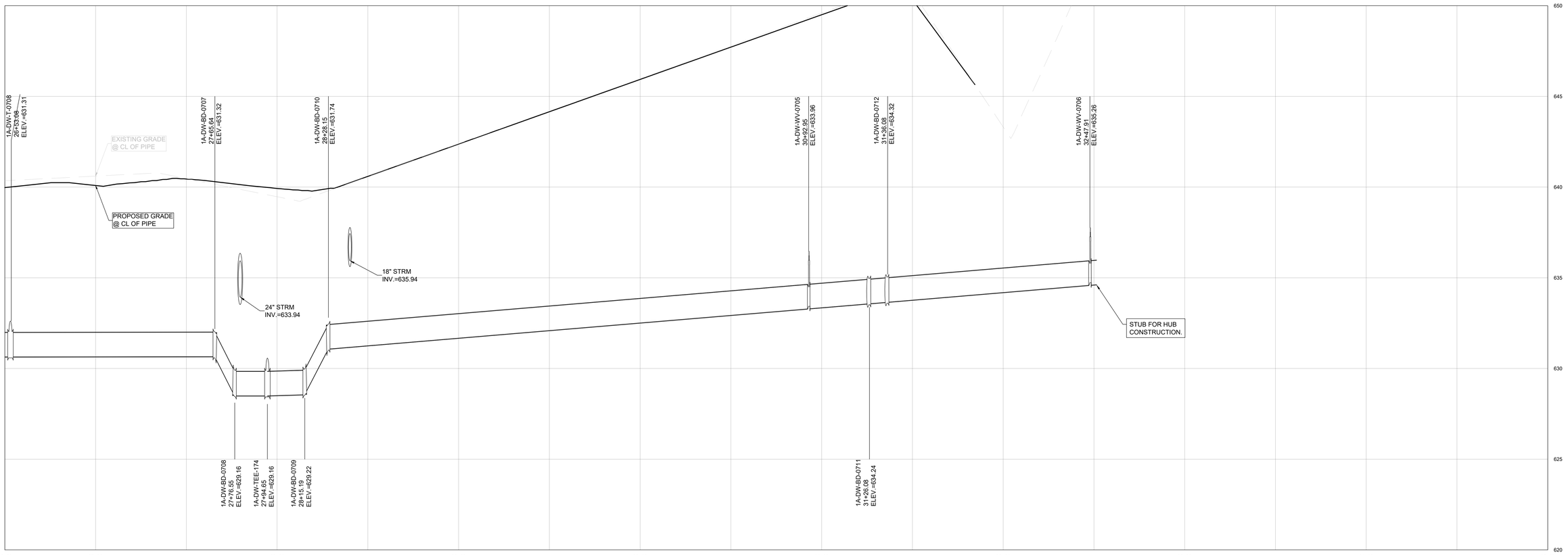

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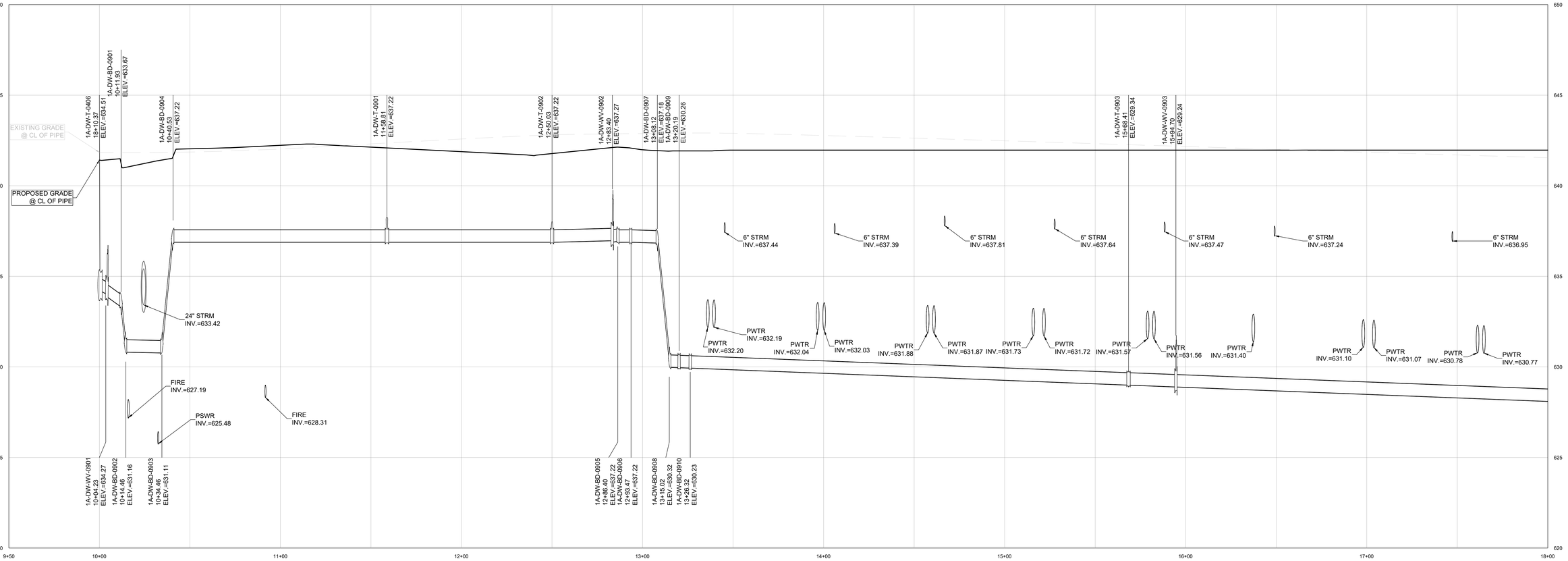

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6410

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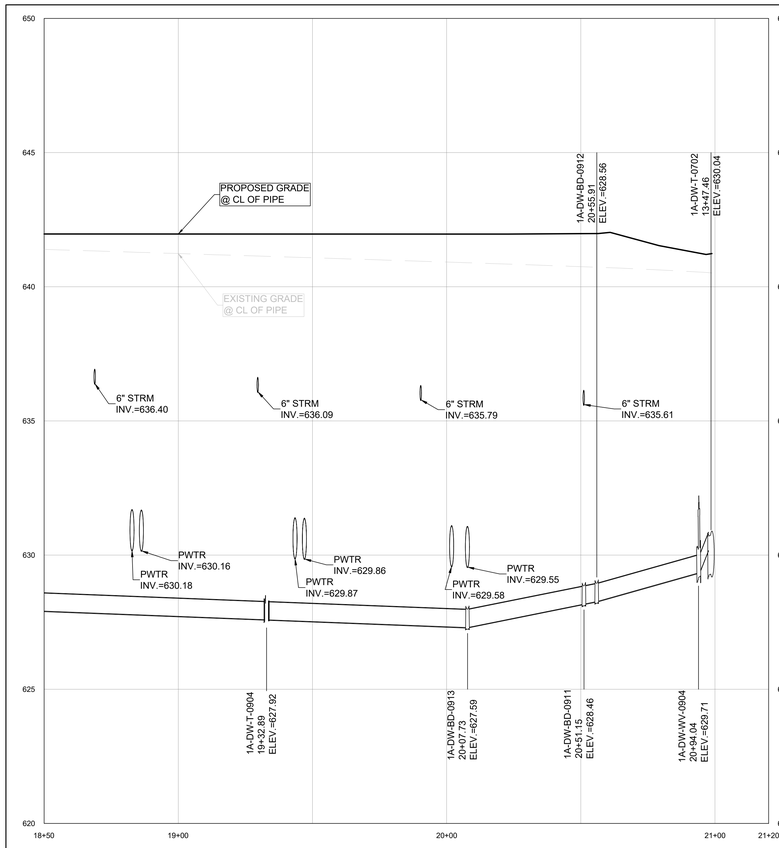

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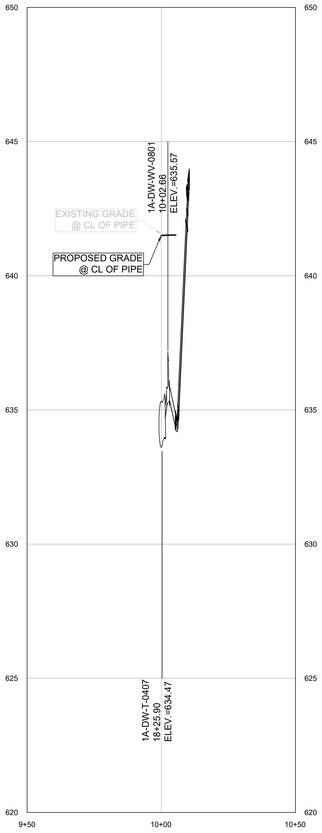

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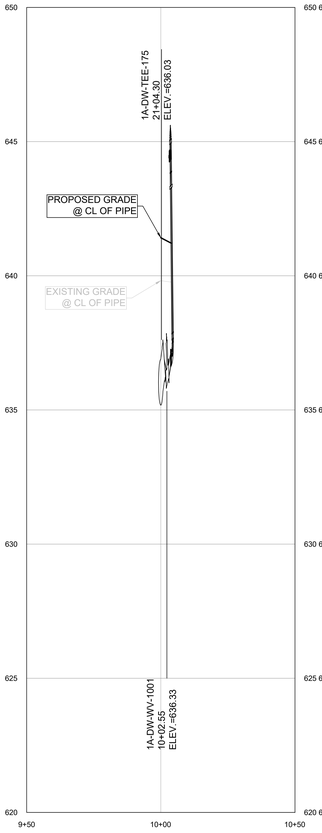

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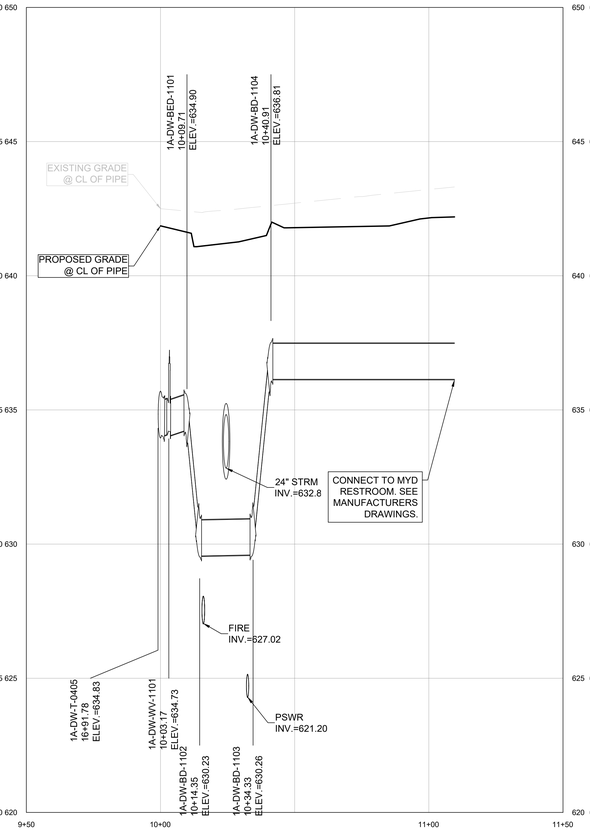

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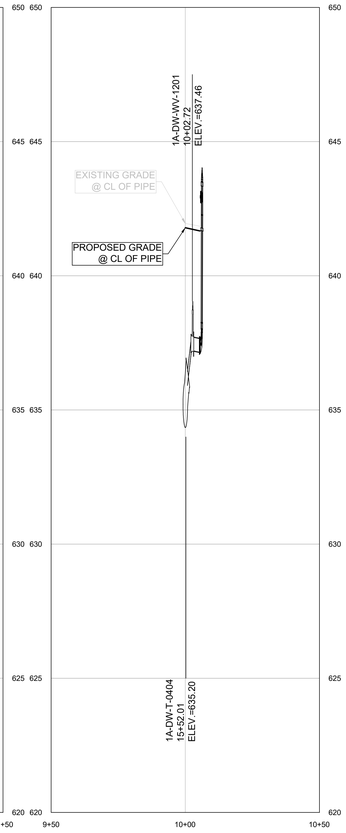

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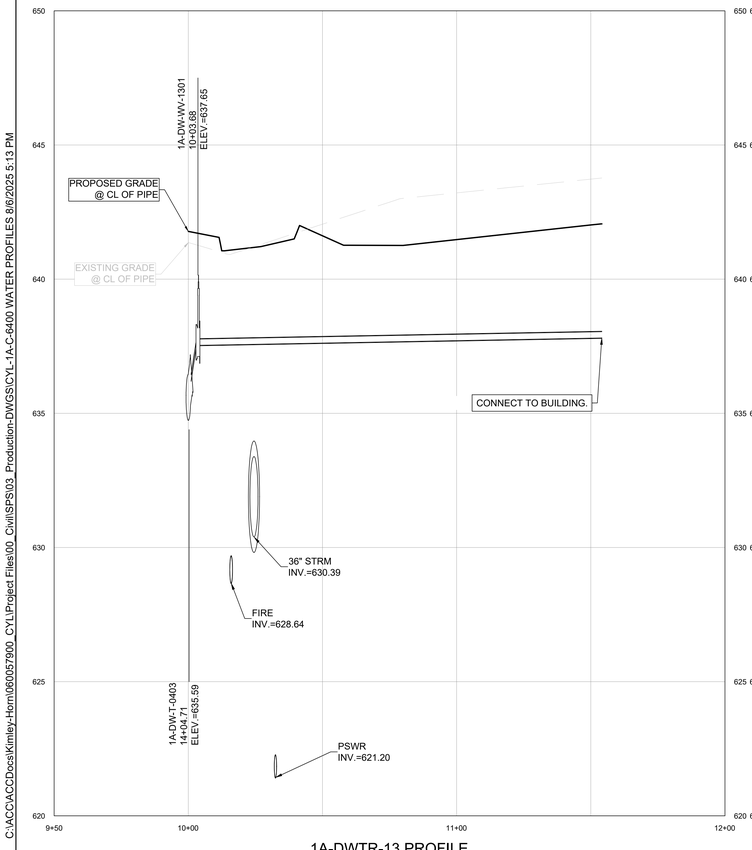

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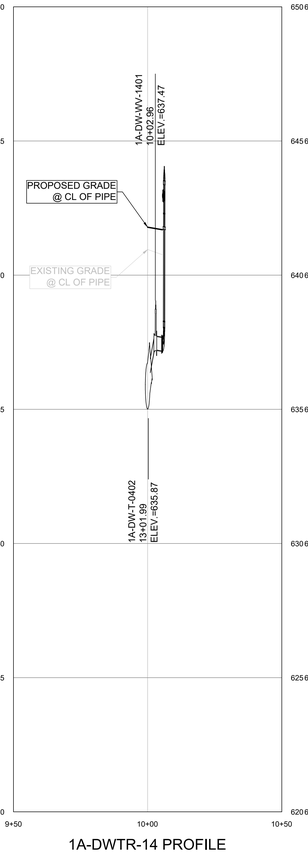

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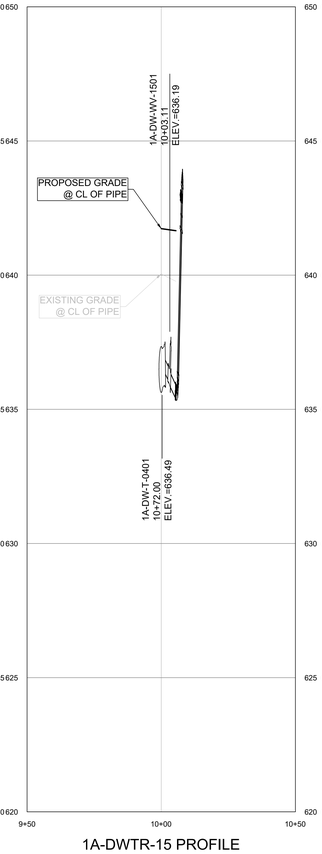

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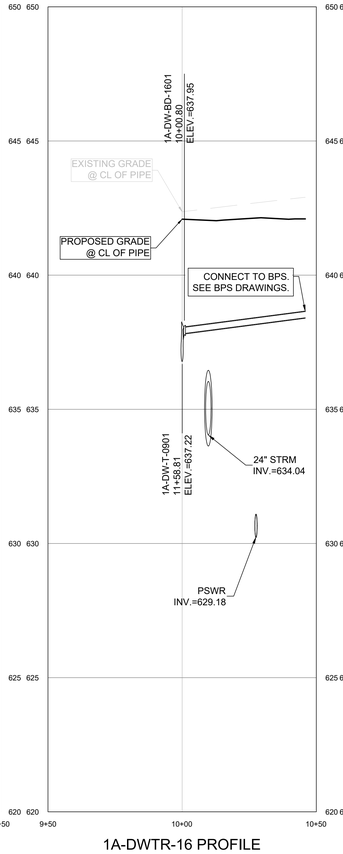

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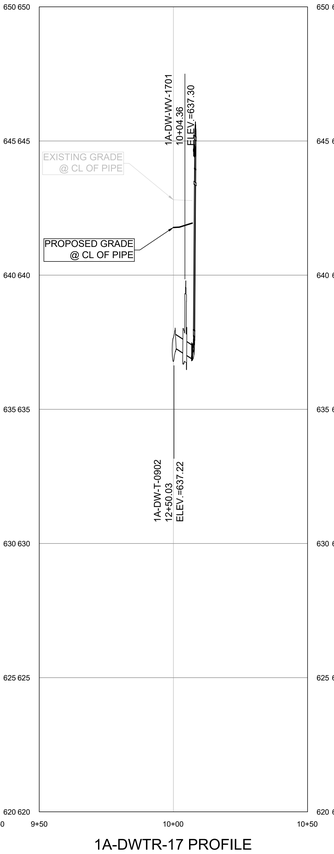

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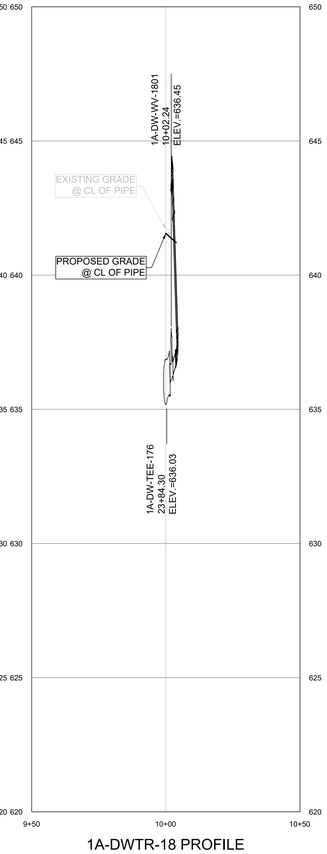

1A-DWTR-18 PROFILE

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SCALE IN FEET

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

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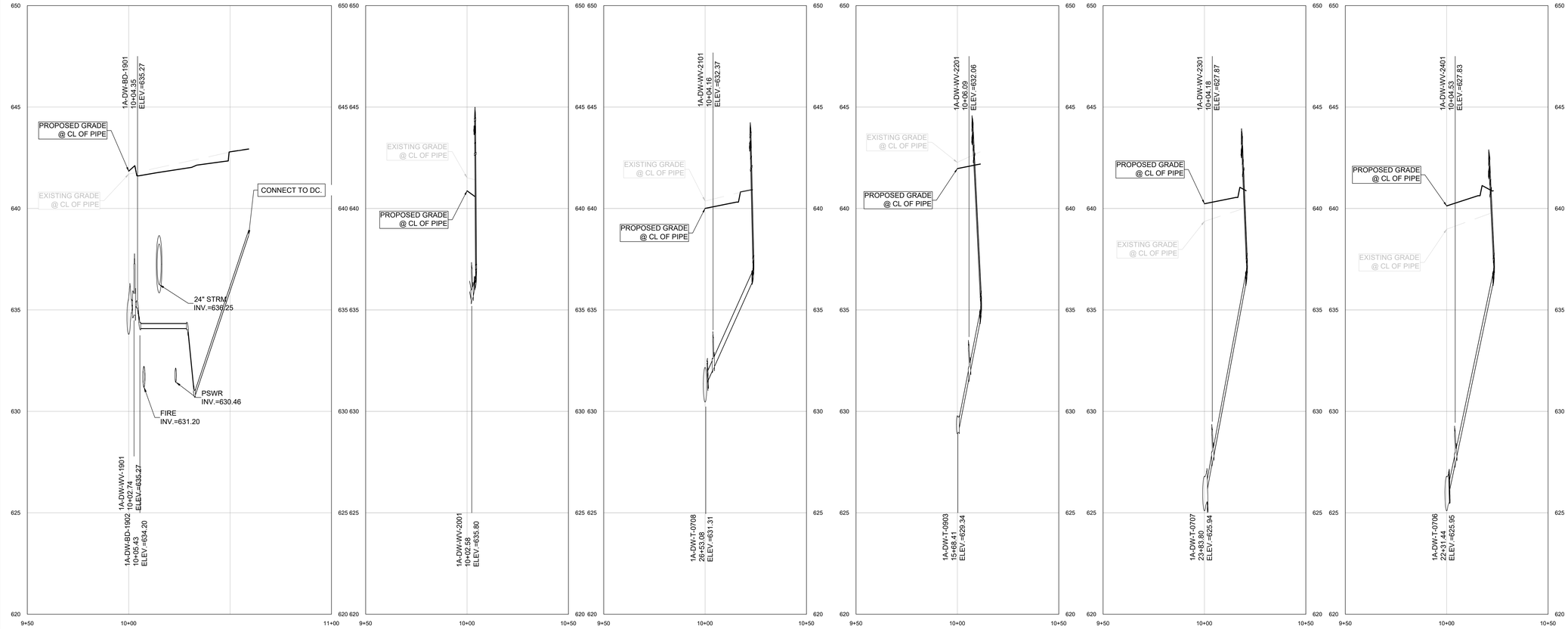

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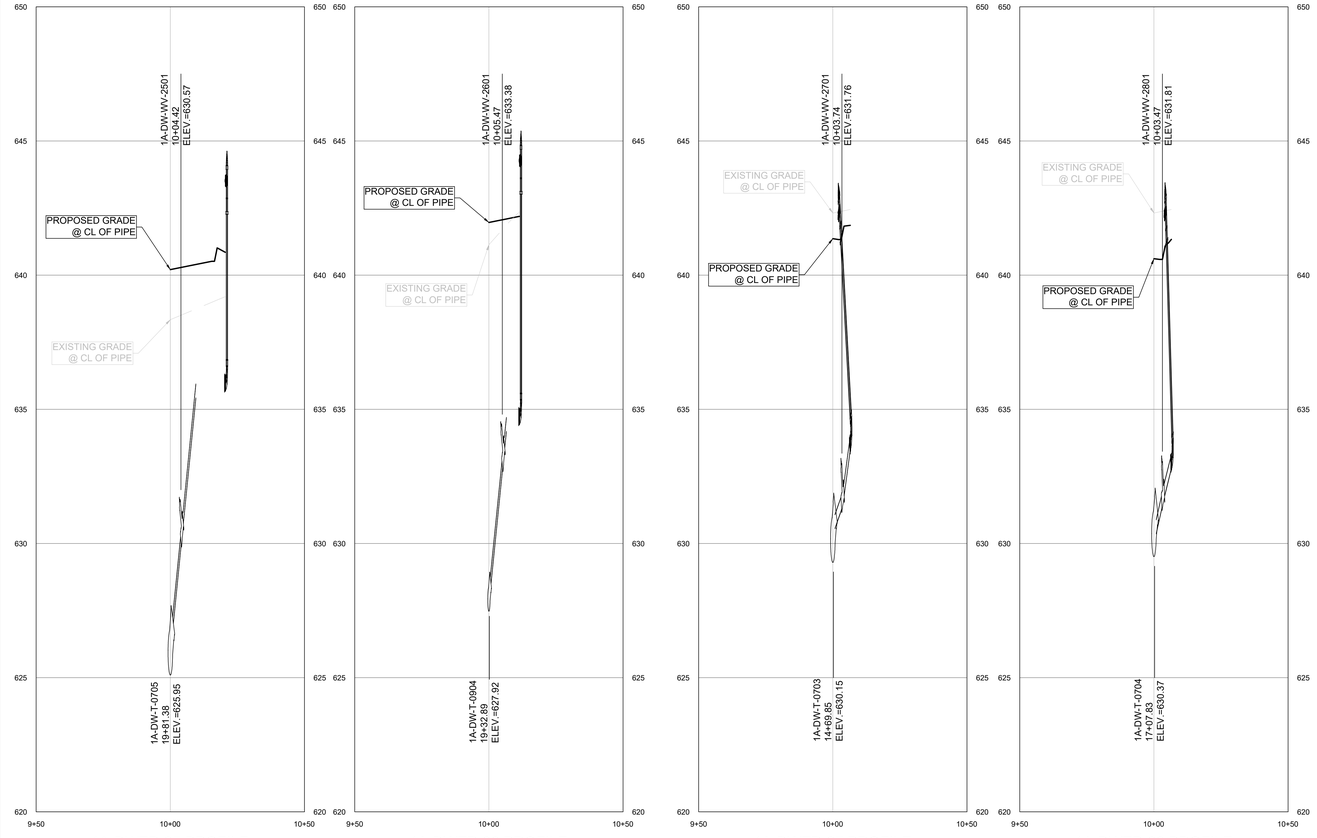

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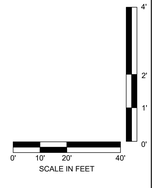

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

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0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
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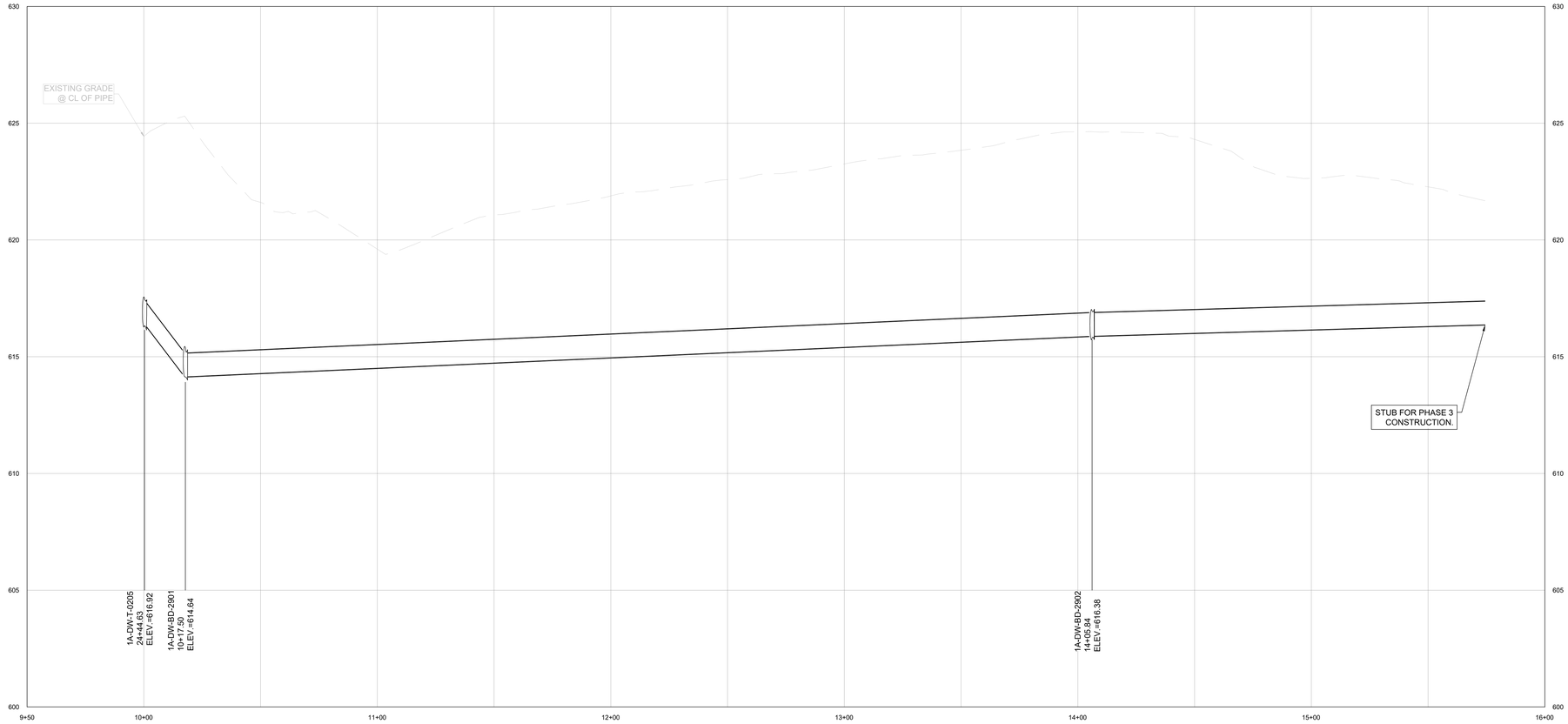

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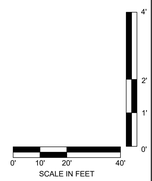

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MEP:
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TULSA, OK 74119
Ph. (918) 380-8868

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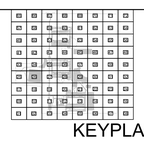

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DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

WATER PROFILES

SCALE: AS SHOWN

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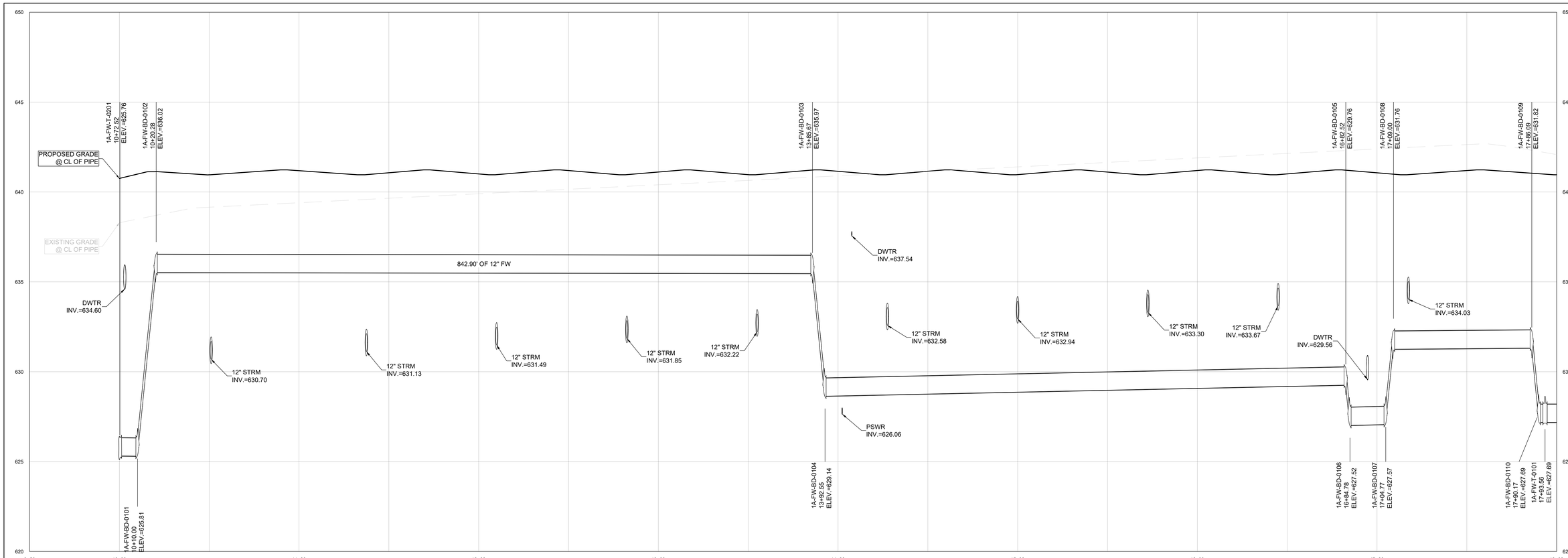

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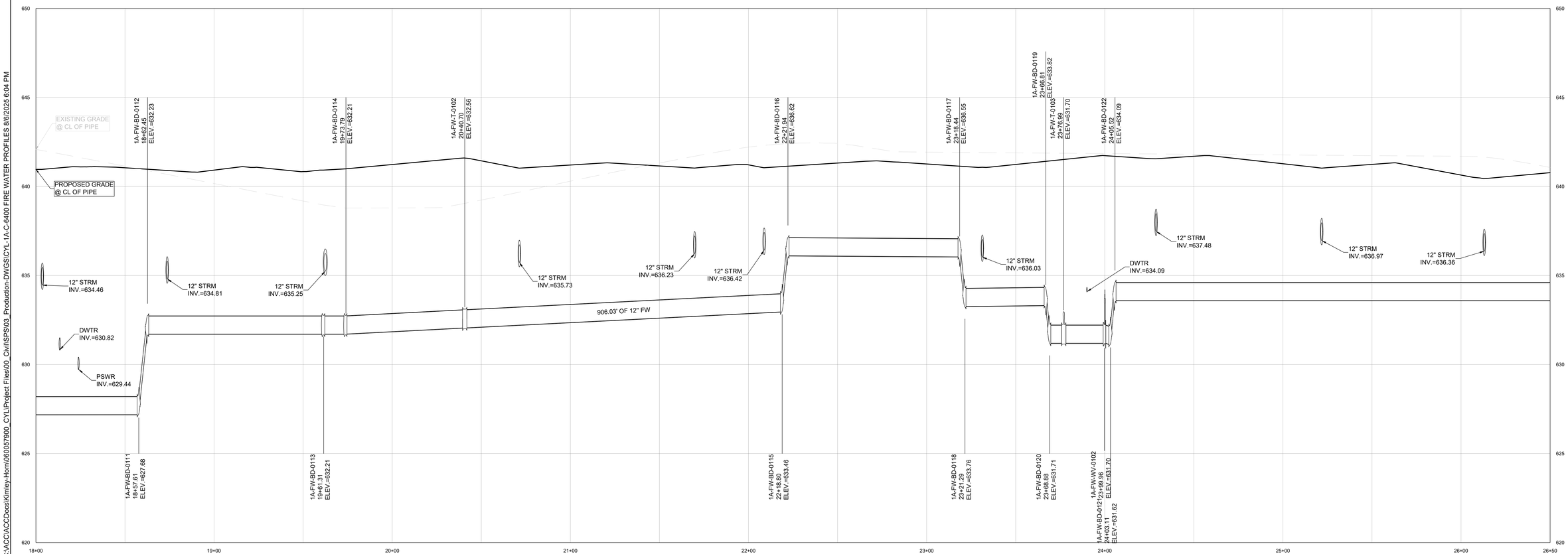

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HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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KEYPLAN

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NO.	DATE	DESCRIPTION
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CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

FIRE WATER PROFILES

SCALE: AS SHOWN

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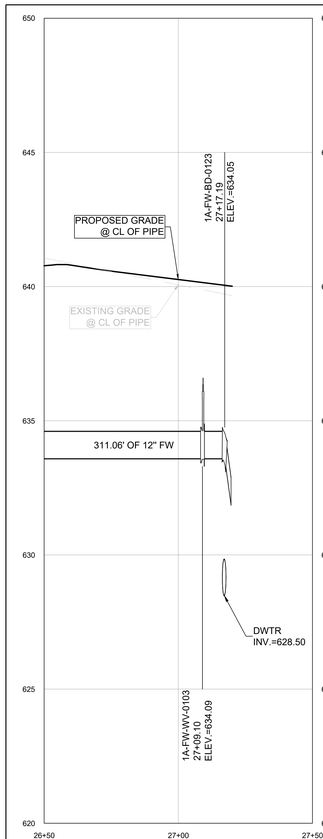

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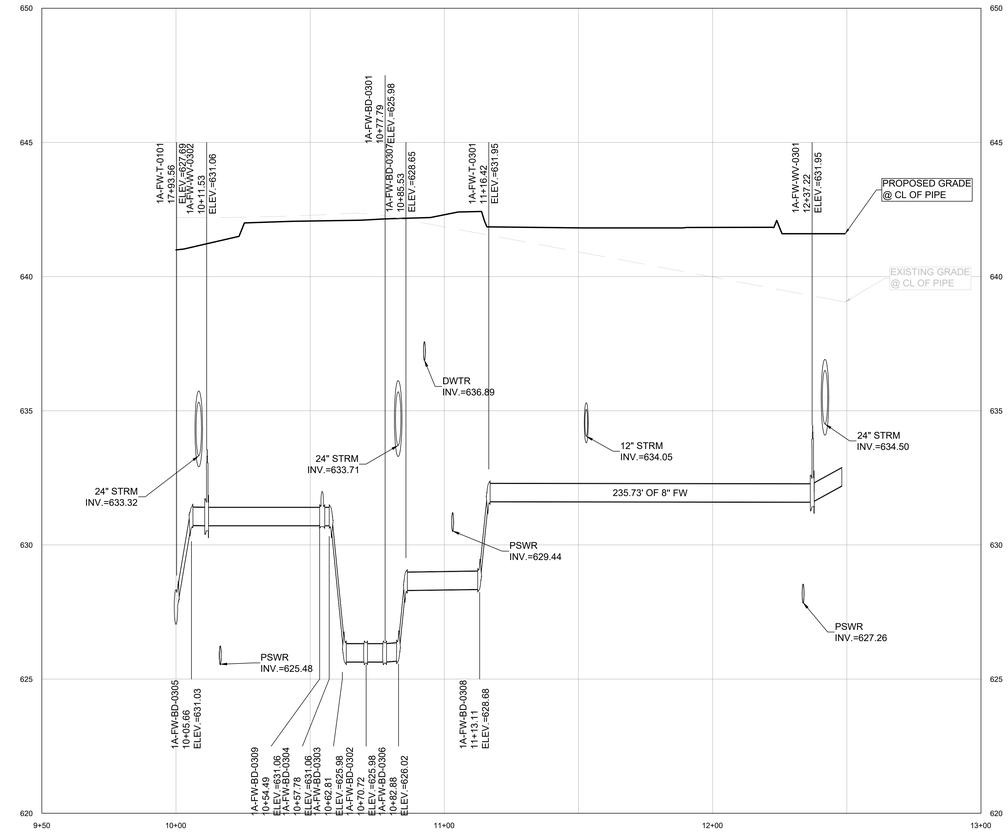

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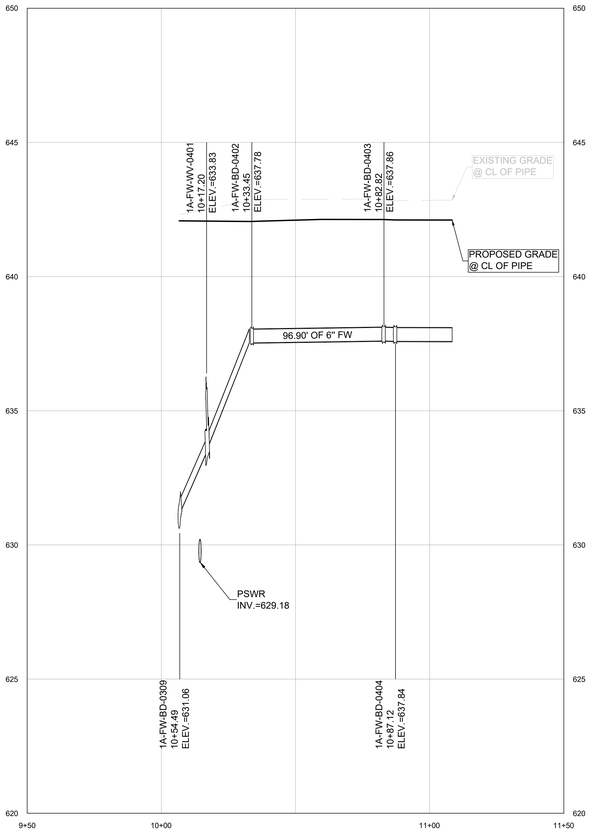

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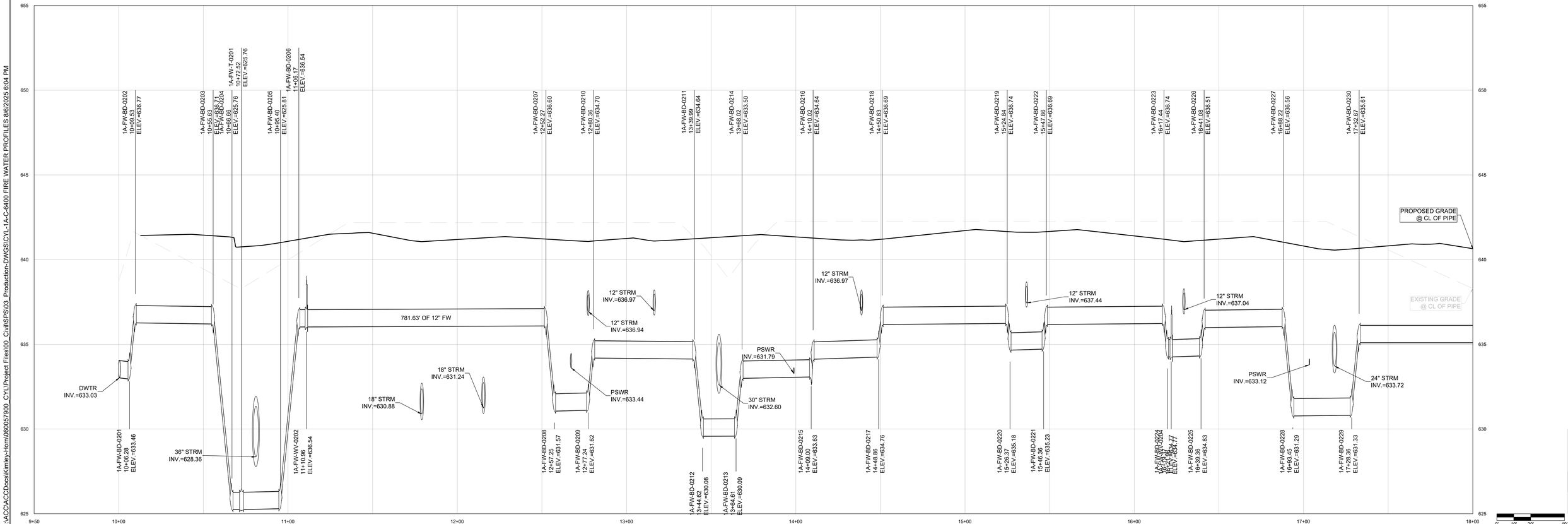

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HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

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0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

FIRE WATER PROFILES

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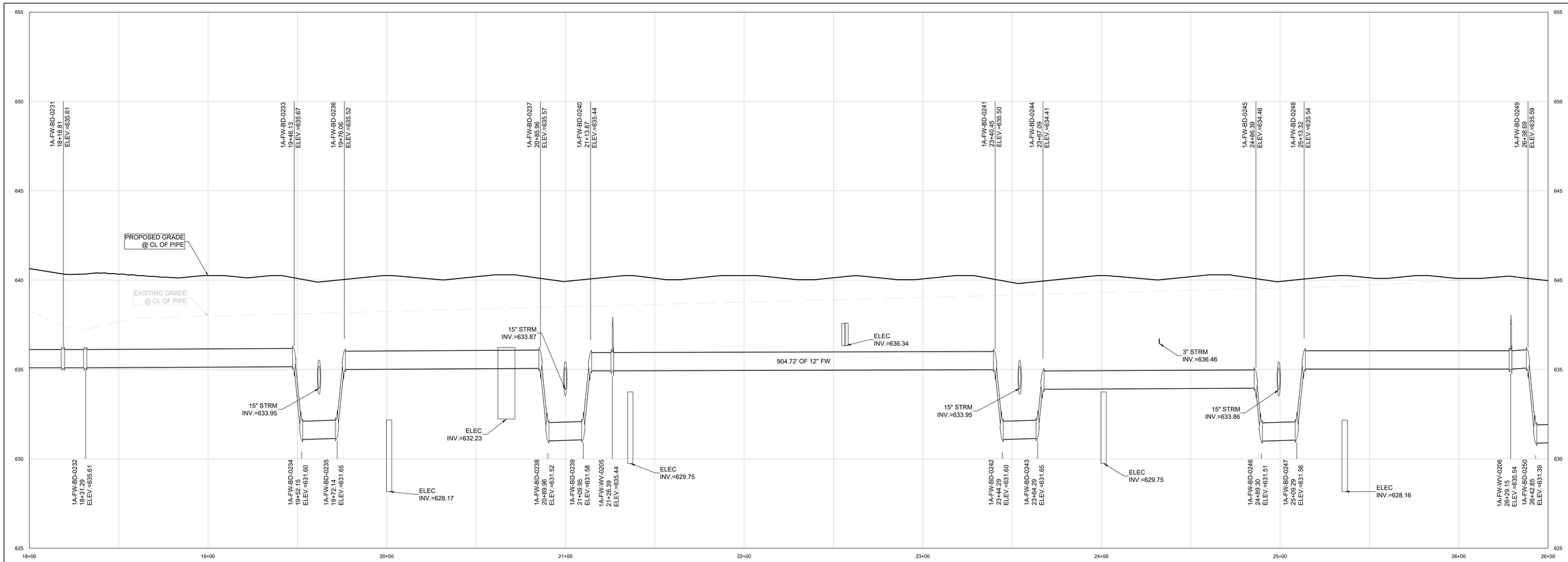

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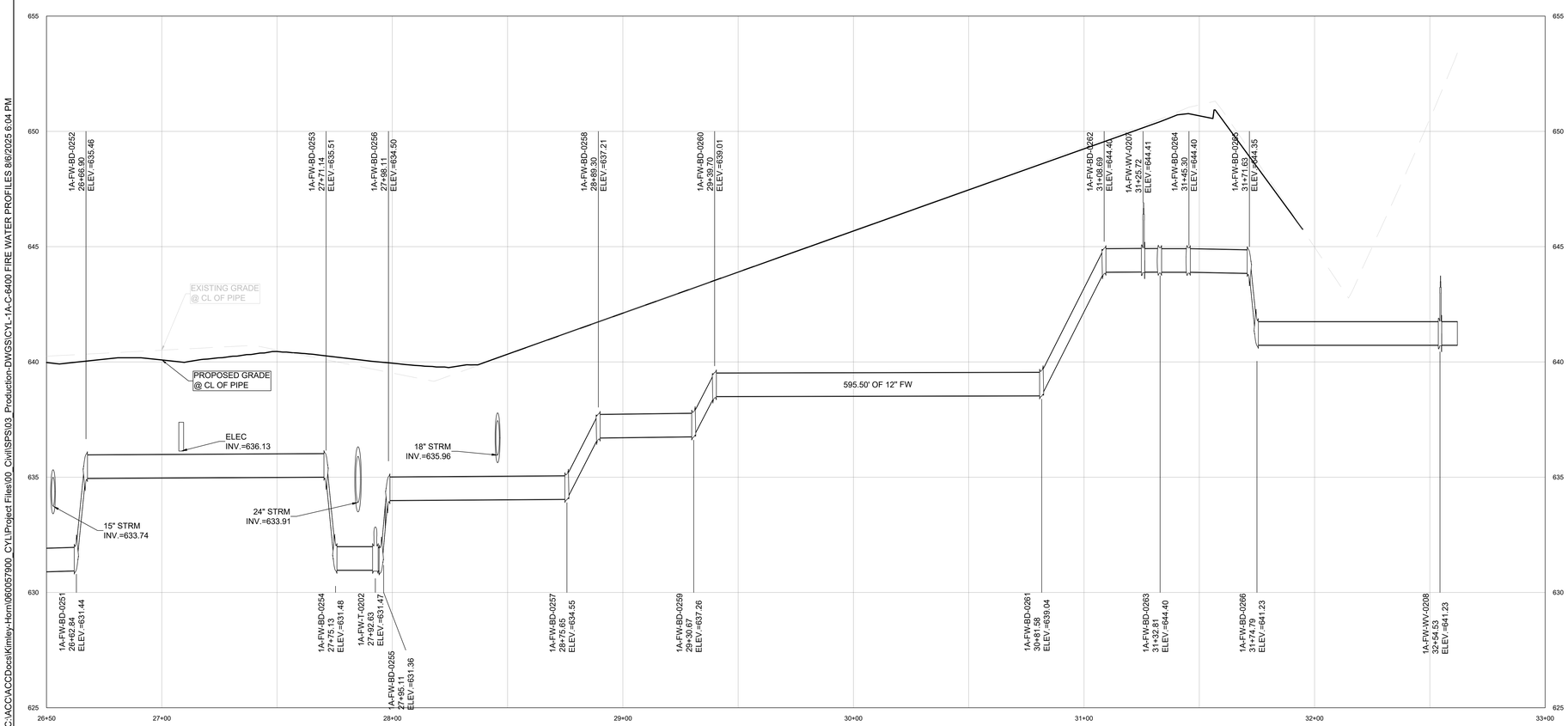

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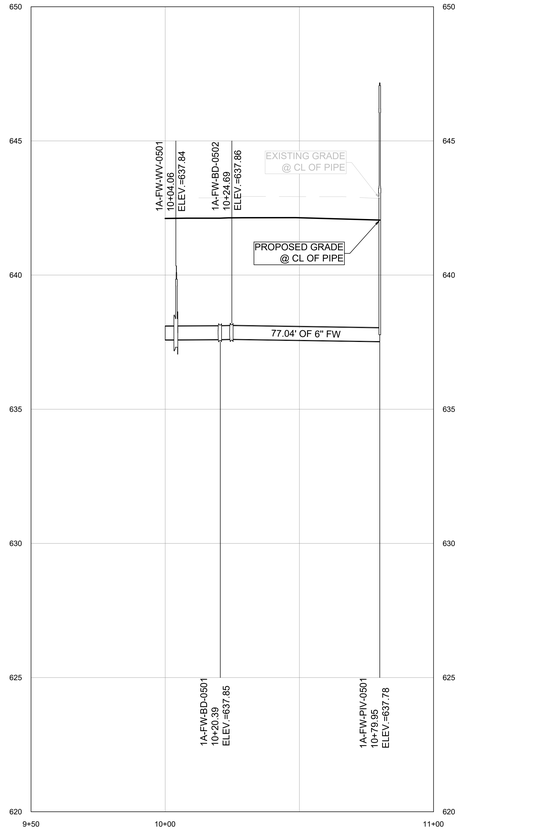

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ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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KEYPLAN

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PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

FIRE WATER PROFILES

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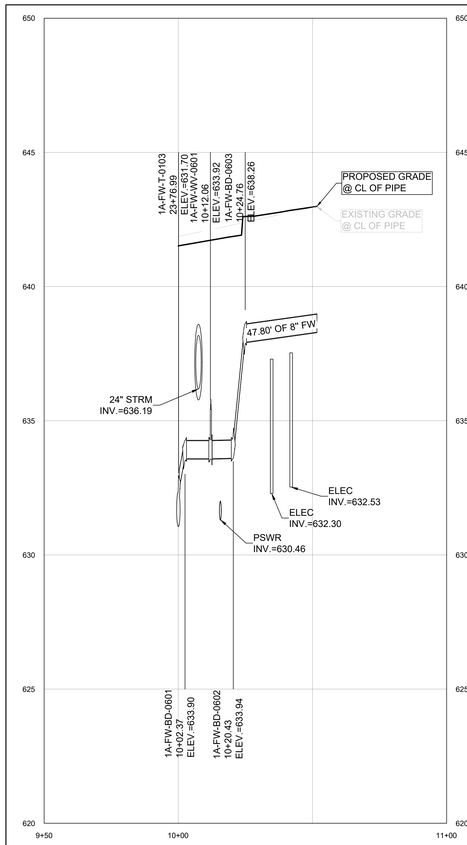

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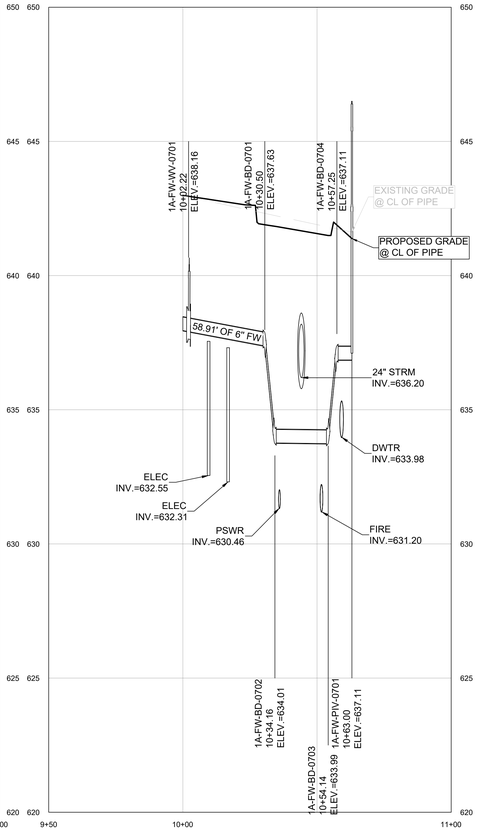

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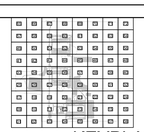

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DRAWN:

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CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

FIRE WATER PROFILES

SCALE: AS SHOWN

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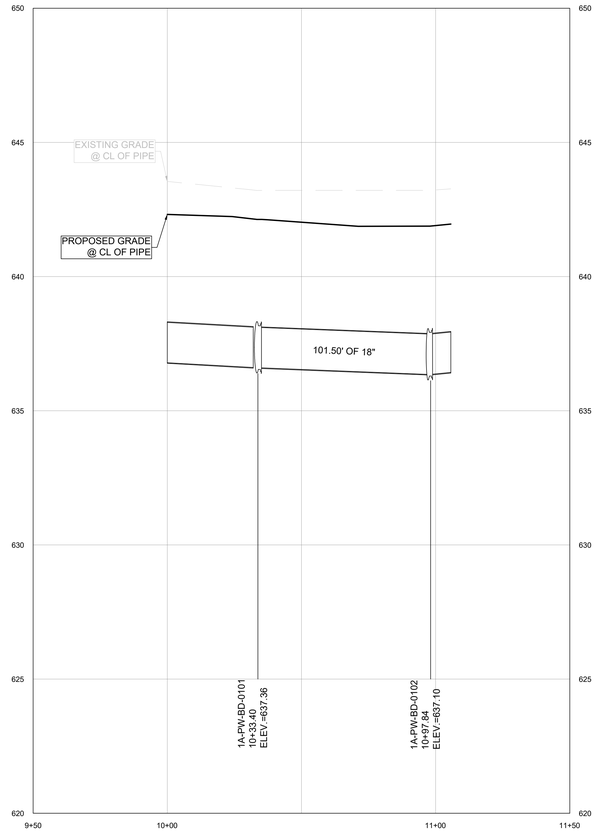

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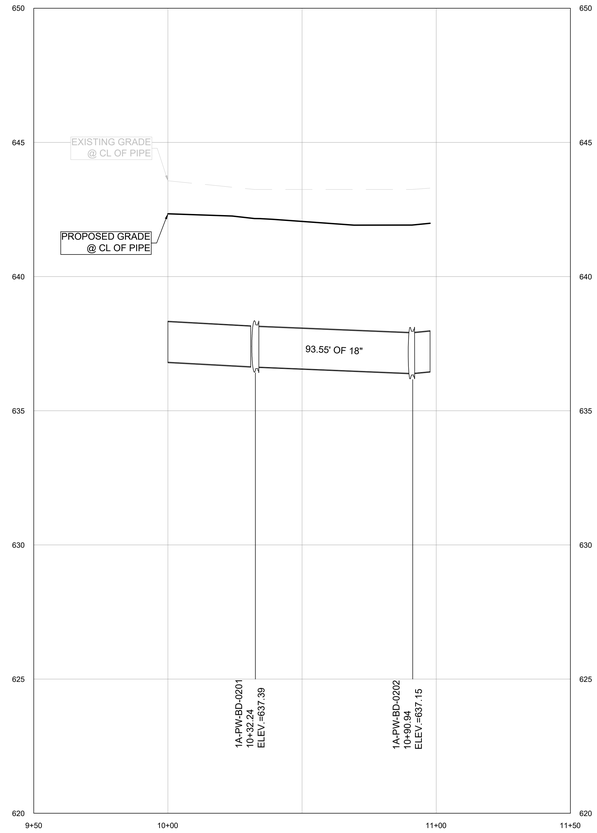

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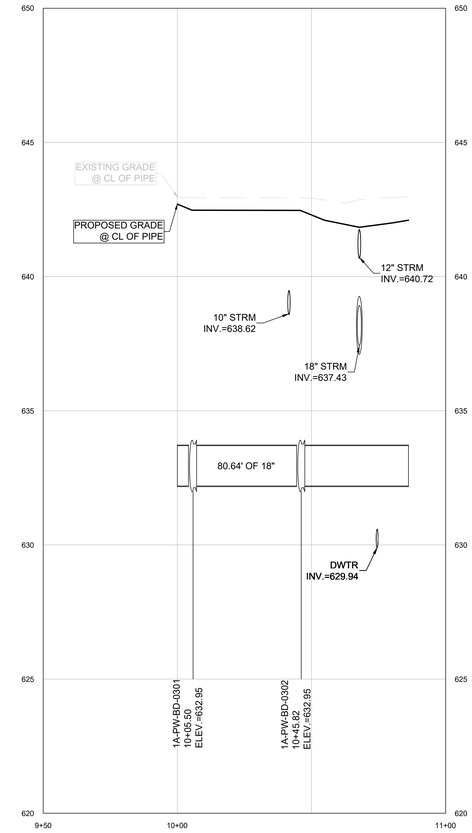

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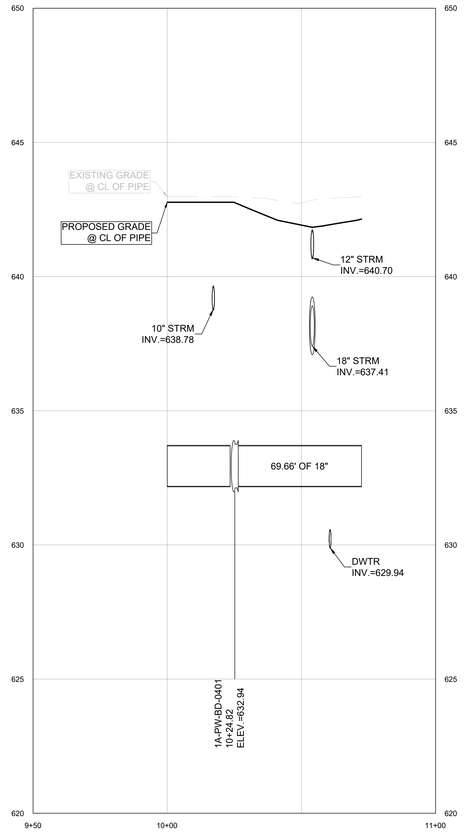

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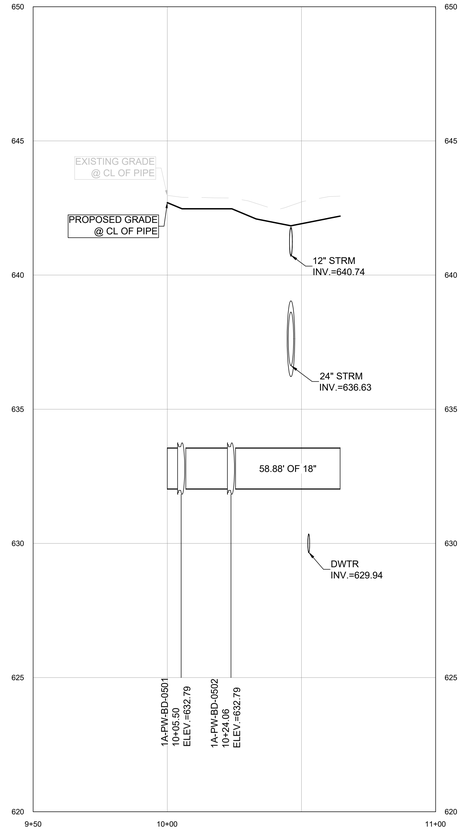

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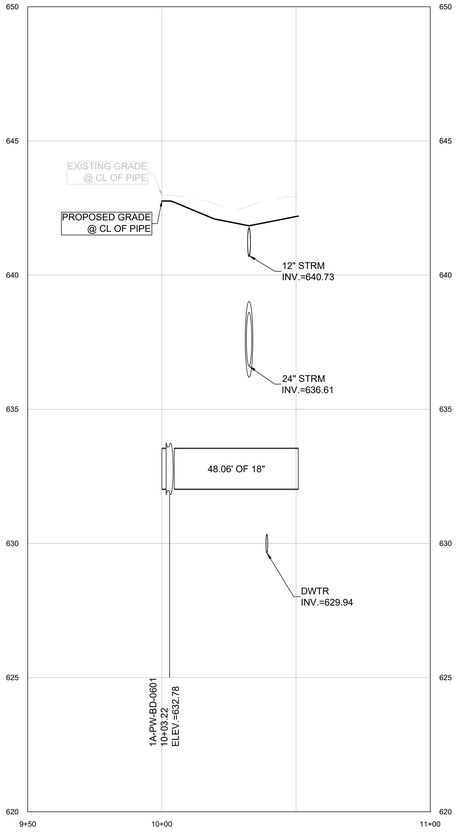

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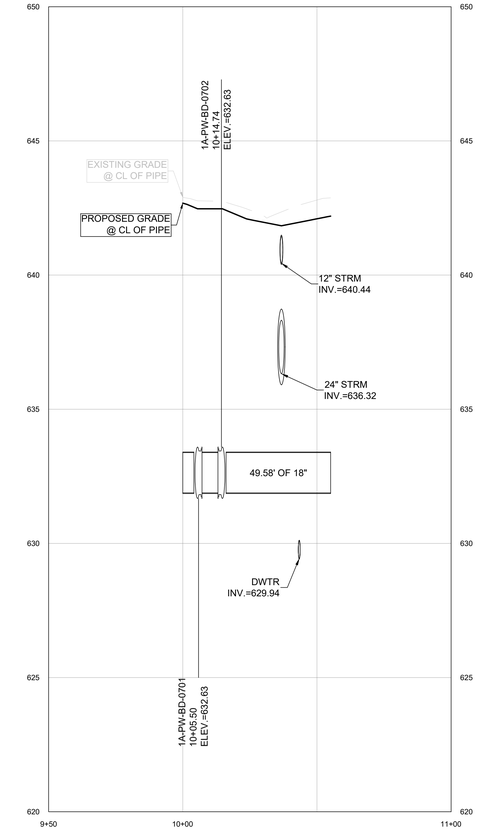

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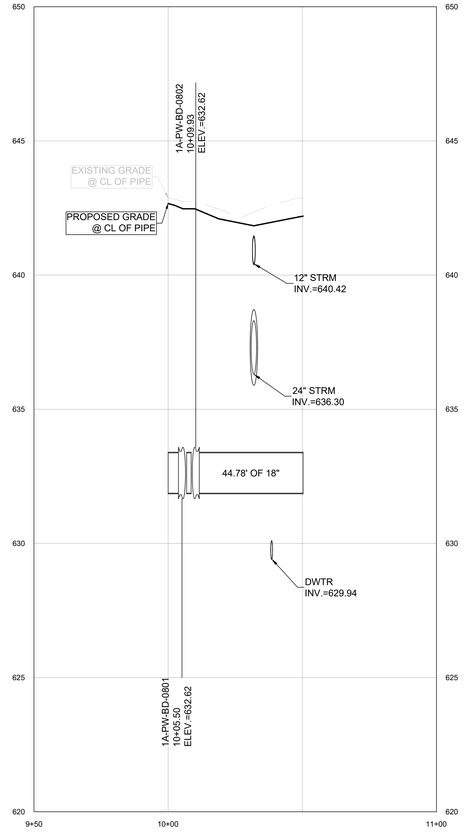

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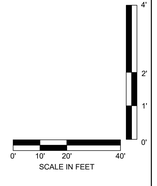

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ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

PROCESS WATER PROFILES

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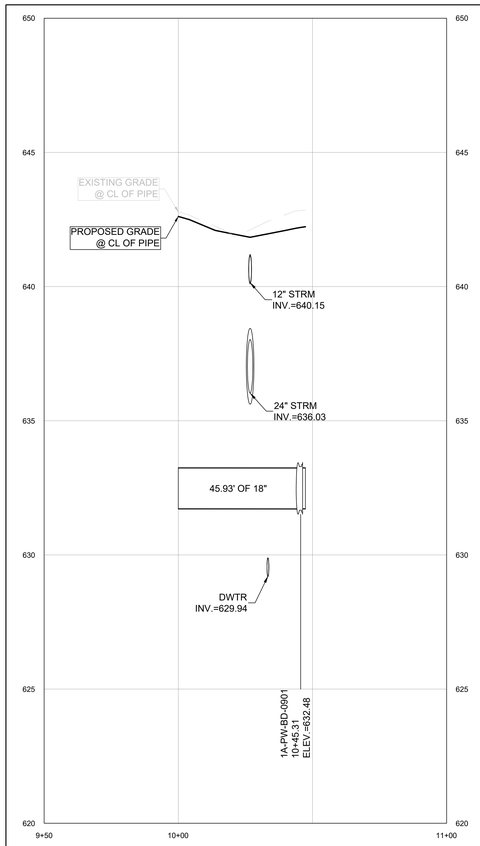

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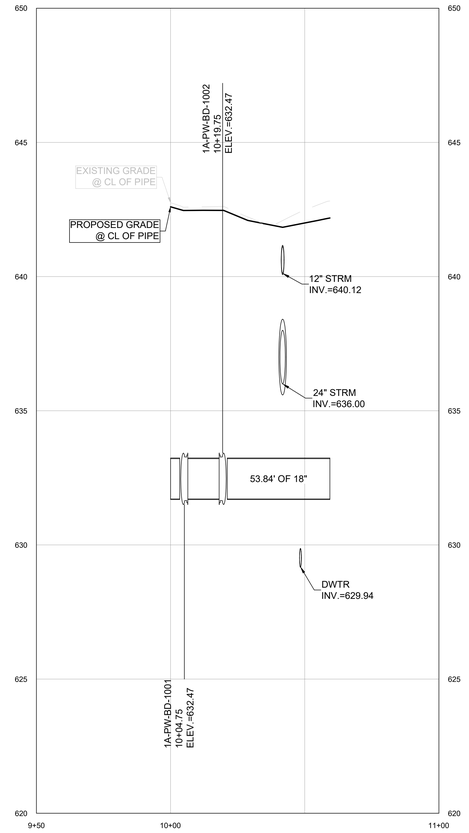

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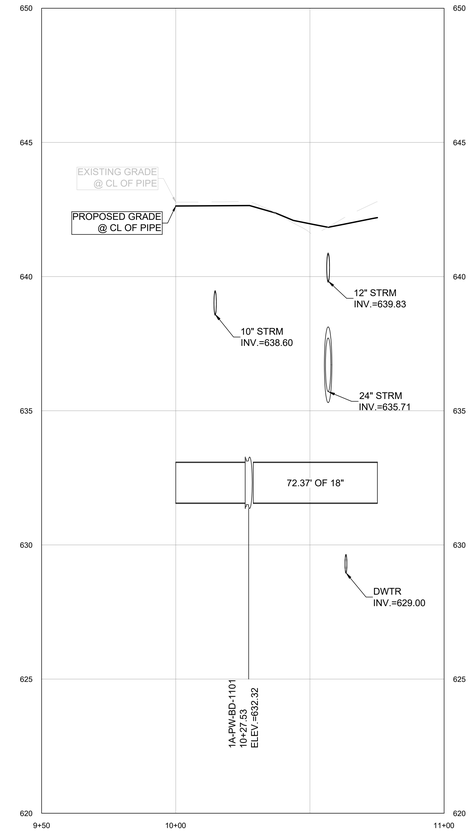

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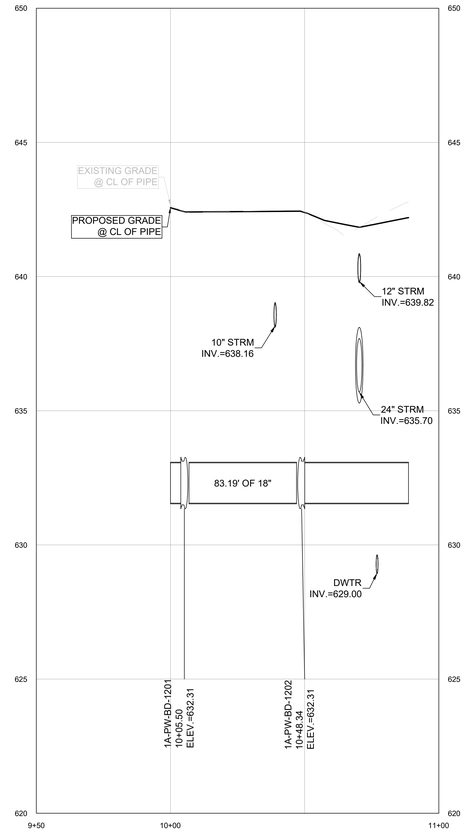

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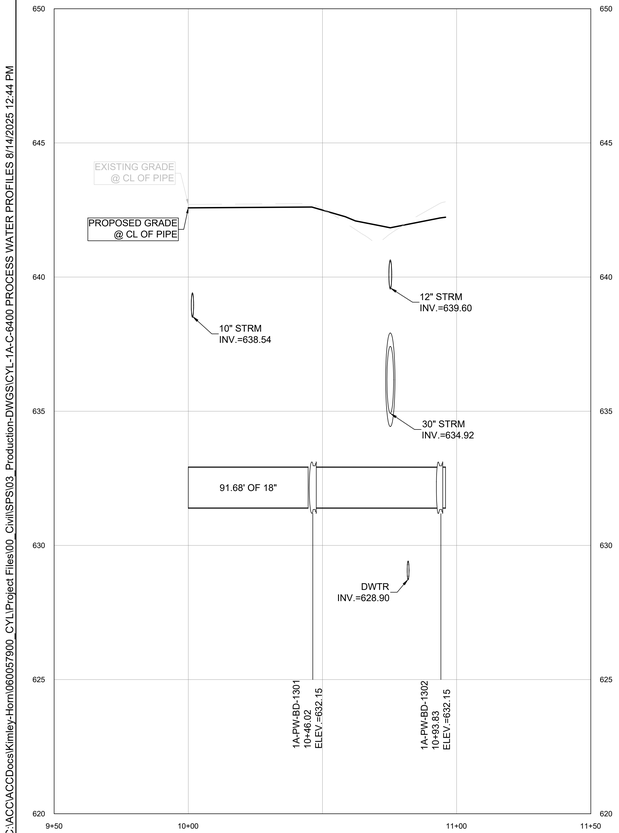

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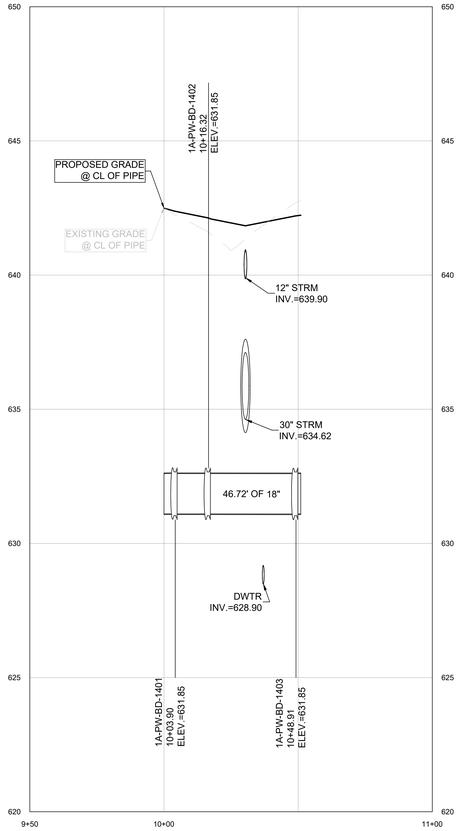

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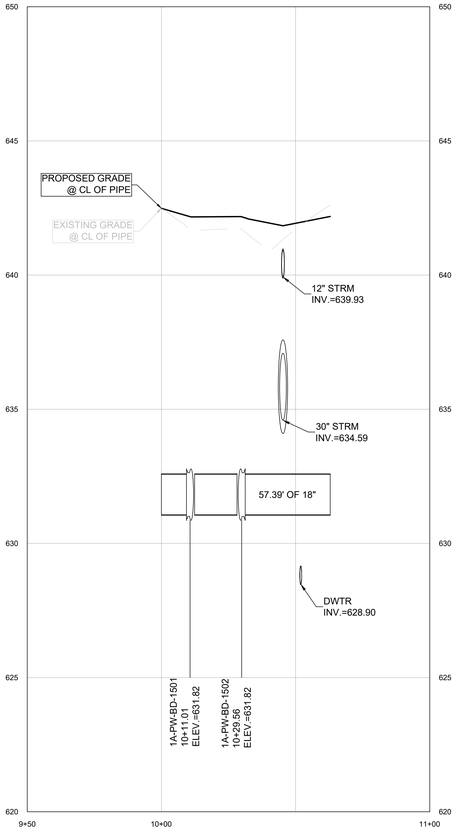

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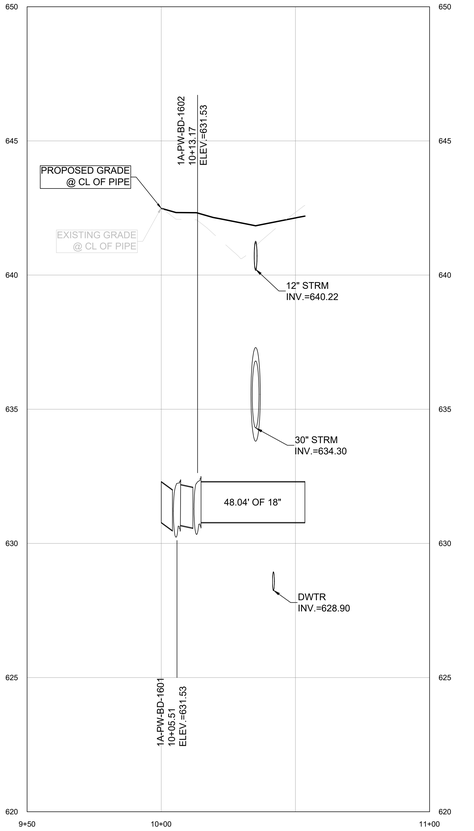

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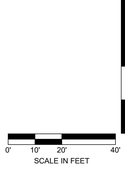

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

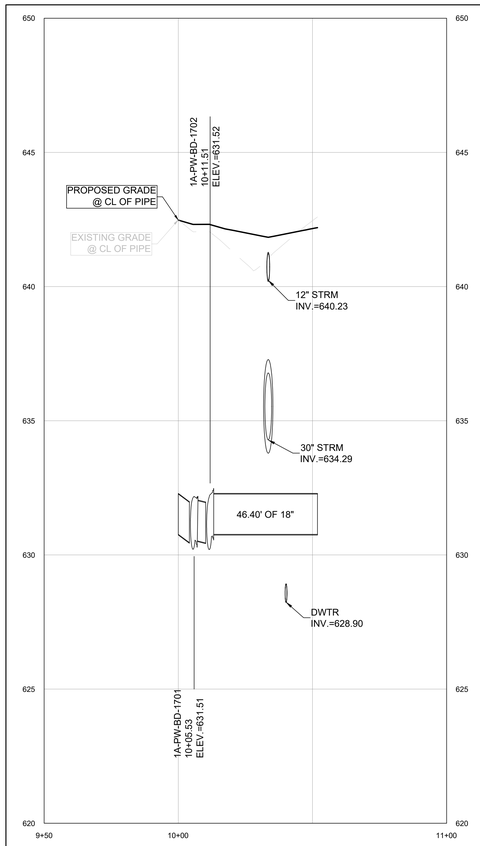
PROJ. NO.: 10434525

PROCESS WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6419

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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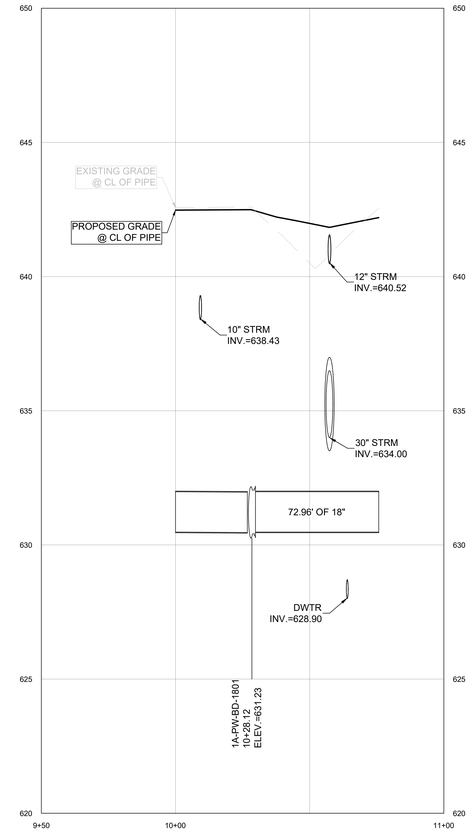

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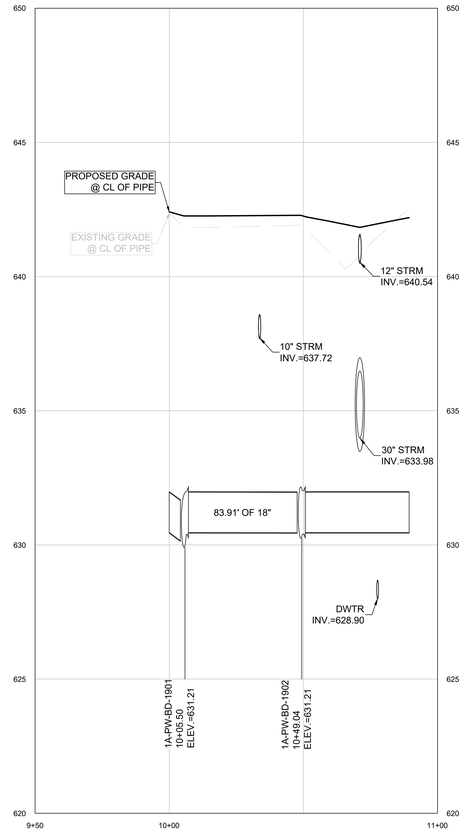

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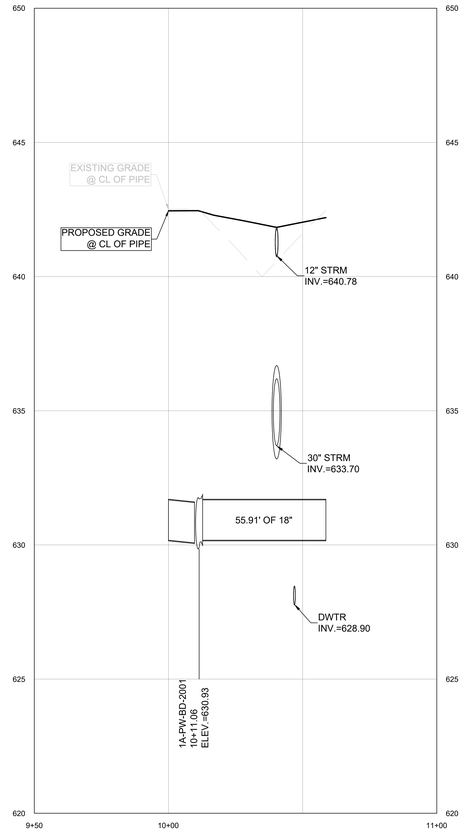

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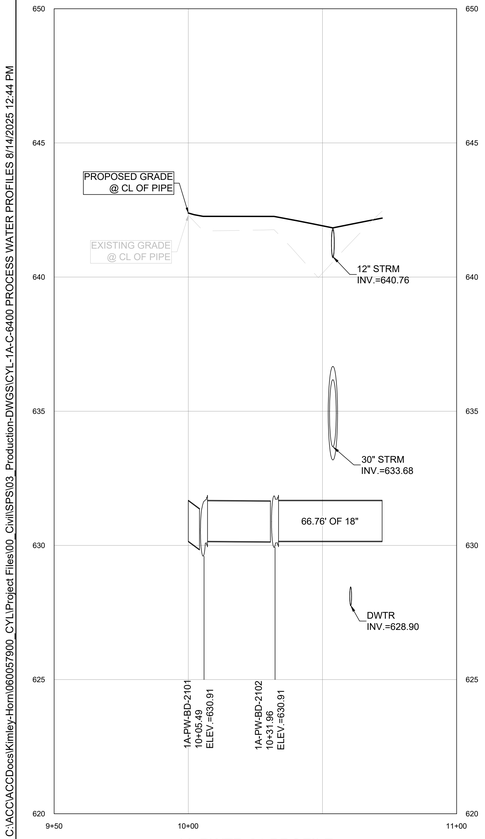

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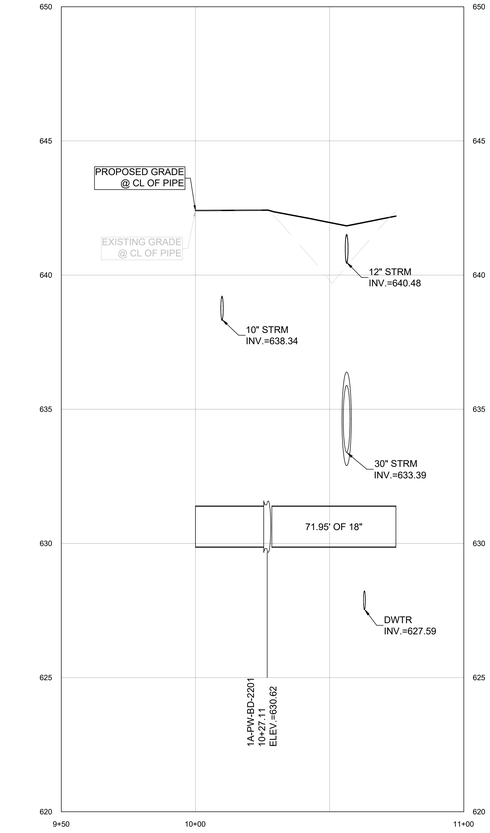

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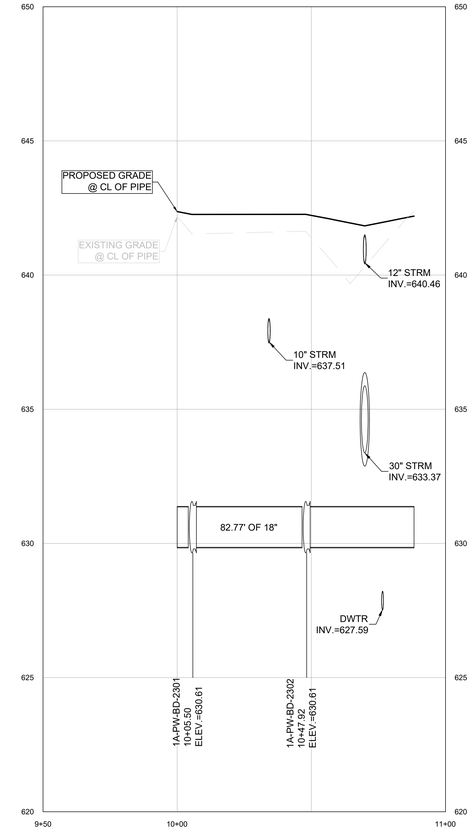

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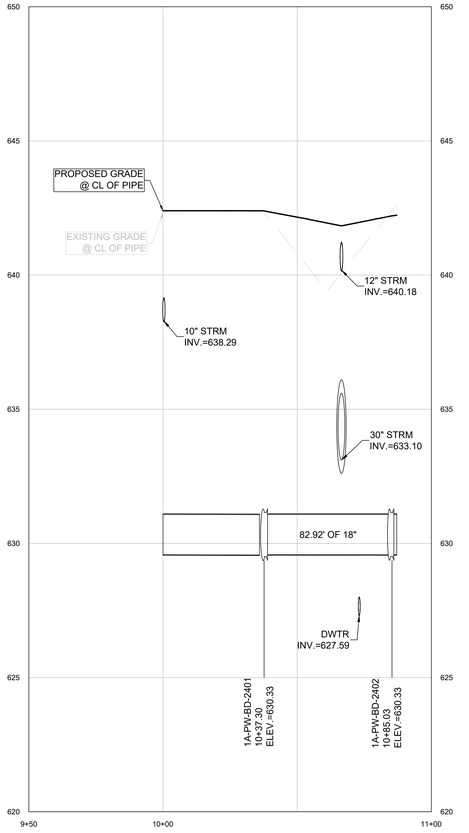

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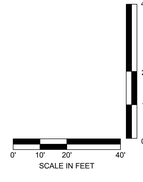

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

PROCESS WATER PROFILES

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6420

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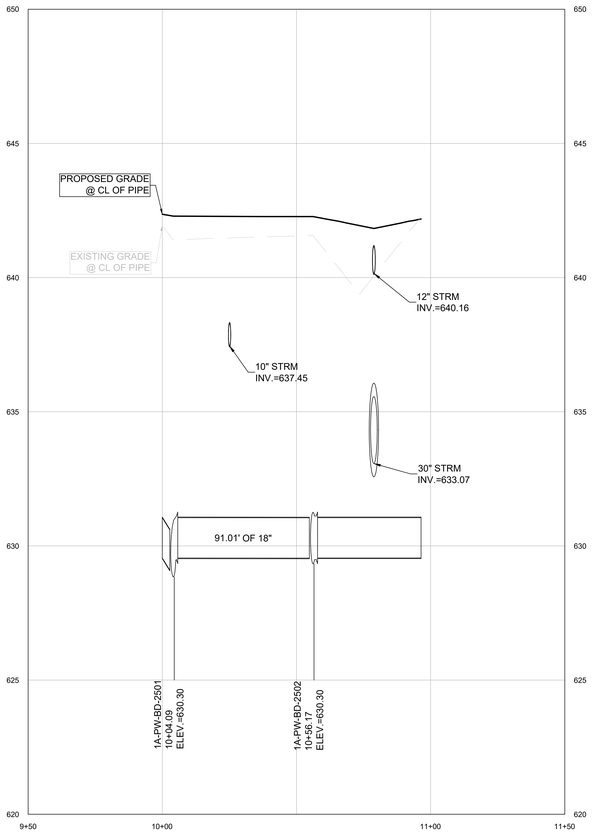

1A-PWTR-25 PROFILE

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
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0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

PROCESS WATER PROFILES
SCALE: AS SHOWN

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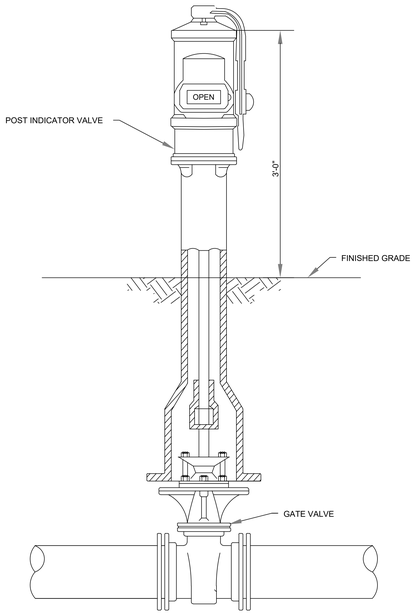
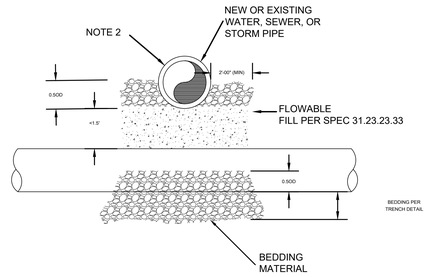


NOTES:
1. ASSEMBLY SHALL CONSIST OF STANDARD FM-APPROVED OR UL-LISTED INSIDE-SCREW GATE VALVE WITH ABOVE-GRADE POST INDICATOR.
2. DIRECTION TO OPEN SHALL BE COUNTERCLOCKWISE.
3. SURFACES BELOW GRADE SHALL RECEIVE A COATING OF BITUMEN NOT LESS THAN 20 MILS THICK. ABOVE-GRADE SURFACES SHALL BE FILLED, PRIMED, AND FINISHED WITH MULTIPLE COATS OF HIGH-GLOSS WEATHER-RESISTANT CHROME YELLOW.
4. POST INDICATOR VALVES SHALL BE ACCOMPANIED BY A ELECTRICAL SUPERVISORY SWITCH FOR INTERCONNECTION TO THE BUILDING FIRE ALARM SYSTEM.

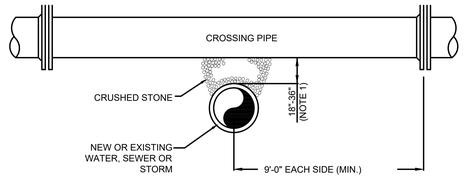
1 - POST INDICATOR VALVE (PIV)
NTS



NOTES:

1. DETAIL IS SIMILAR FOR ALL PIPE CROSSINGS WHERE CLEARANCE BETWEEN PIPES IS LESS THAN 1'-6".
2. PROVIDE DOUBLE POLYETHYLENE WRAP AROUND ALL DUCTILE IRON PIPE. WRAP TO EXTEND 5'-0" PAST EACH SIDE OF THE FLOWABLE FILL.

2 - MIN. CLEARANCE PIPE CROSSING
NTS



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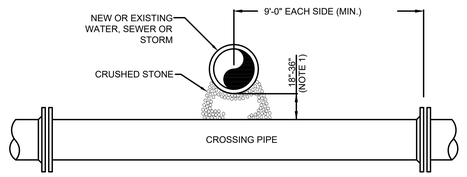
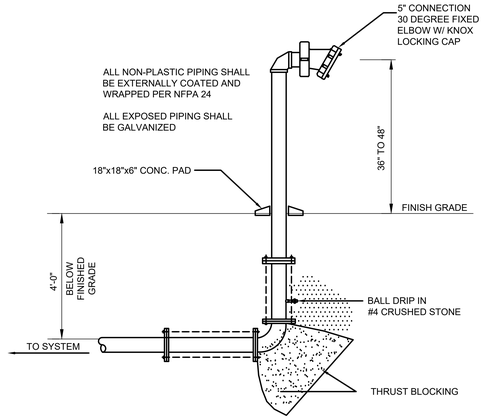


ABOVE

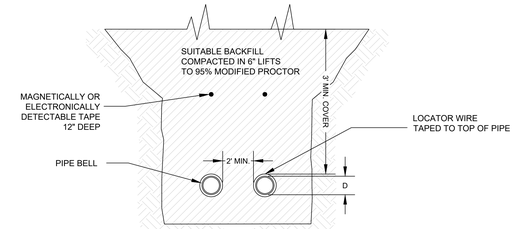
NOTES:

1. WHEN DISTANCE OF 18" OR MORE IS NOT POSSIBLE, USE MIN. CLEARANCE PIPE CROSSING DETAIL.
2. WHEN WATER LINE IS NEW, PROVIDE A FULL JOINT OF PIPE FOR BOTH LINES CENTERED AT CROSSING.
3. LOCATE SEWER BELOW WATER LINE.

3 - UTILITY CROSSING
NTS



4 - FIRE DEPARTMENT CONNECTION
NTS



5 - DUAL WATER MAIN TRENCH CROSS SECTION
NTS

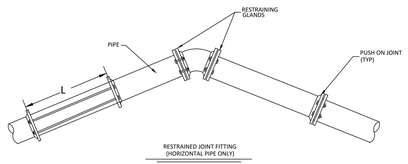
BEND ANGLE OIP				
	11.25° (L)	22.5° (L)	45° (L)	90° (L)
4"	2 FT	4 FT	7 FT	18 FT
6"	2 FT	5 FT	10 FT	25 FT
8"	3 FT	6 FT	13 FT	32 FT
10"	4 FT	8 FT	16 FT	38 FT
12"	4 FT	9 FT	19 FT	45 FT
16"	6 FT	11 FT	23 FT	57 FT

CAPS/ PLUGS	
MAIN DIAMETER	LENGTH
4"	39 FT
6"	55 FT
8"	72 FT
10"	86 FT
12"	102 FT
16"	131 FT

PROPERTIES USED FOR RJ CALCULATIONS	
PIPE MATERIAL	DIP
SOIL TYPE	SILTY SAND (SM)
SAFETY FACTOR	1.5
TRENCH TYPE	3
DEPTH (BURY IN FT)	3
TEST PRESSURE	150

TEES																		
	BRANCH DIAMETER																	
RUN DIAMETER	4 IN.		6 IN.		8 IN.		10 IN.		12 IN.		16 IN.		24 IN.					
	LR	LB	LR	LB	LR	LB	LR	LB	LR	LB	LR	LB	LR	LB				
4 IN.	5 FT	21 FT	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A				
	10 FT	5 FT	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A				
6 IN.	5 FT	21 FT	5 FT	21 FT	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A				
	10 FT	1 FT	10 FT	10 FT	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A				
8 IN.	5 FT	1 FT	5 FT	30 FT	5 FT	55 FT	5 FT	N/A	5 FT	N/A	5 FT	N/A	5 FT	N/A				
	10 FT	1 FT	10 FT	6 FT	10 FT	35 FT	10 FT	N/A	10 FT	N/A	10 FT	N/A	10 FT	N/A				
10 IN.	5 FT	1 FT	5 FT	24 FT	5 FT	48 FT	5 FT	87 FT	5 FT	N/A	5 FT	N/A	5 FT	N/A				
	10 FT	1 FT	10 FT	1 FT	10 FT	24 FT	10 FT	48 FT	10 FT	N/A	10 FT	N/A	10 FT	N/A				
12 IN.	5 FT	1 FT	5 FT	17 FT	5 FT	43 FT	5 FT	83 FT	5 FT	83 FT	5 FT	N/A	5 FT	N/A				
	10 FT	1 FT	10 FT	1 FT	10 FT	14 FT	10 FT	42 FT	10 FT	83 FT	10 FT	N/A	10 FT	N/A				
16 IN.	5 FT	1 FT	5 FT	3 FT	5 FT	32 FT	5 FT	54 FT	5 FT	25 FT	5 FT	111 FT	5 FT	N/A				
	10 FT	1 FT	10 FT	1 FT	10 FT	1 FT	10 FT	23 FT	10 FT	49 FT	10 FT	82 FT	10 FT	N/A				
24 IN.	5 FT	1 FT	5 FT	1 FT	5 FT	1 FT	5 FT	35 FT	5 FT	59 FT	5 FT	89 FT	5 FT	166 FT				
	10 FT	1 FT	10 FT	1 FT	10 FT	1 FT	10 FT	1 FT	10 FT	16 FT	10 FT	18 FT	10 FT	144 FT				

NOTES:
*ALL JOINTS WITHIN THE CALCULATED LENGTH MUST BE RESTRAINED. IF THE DISTANCE BETWEEN FITTINGS IS LESS THAN OR EQUAL TO THE CALCULATED RESTRAINT LENGTH, RESTRAIN ALL JOINTS BETWEEN THOSE FITTINGS.



RESTRAINED JOINT FITTING (HORIZONTAL PIPE ONLY)

1. THE TABLE ABOVE SHOWS THE CONDITIONS THAT WERE USED TO CALCULATE THE RESTRAINED LENGTH FOR PIPES.
2. FOR DIP PUSH ON JOINTS GRIP RING TYPE PIPE MAY BE USED. FOR PVC PUSH ON JOINT HARNESS RESTRAINT (EBAA SERIES 1500 OR APPROVED EQUAL) FOR UP TO 12" PIPE, AND SERIES 2800 OR APPROVED EQUAL FOR 14" AND LARGER PIPE SHALL BE INSTALLED WITHIN THE MINIMUM DISTANCES (FROM BOTH SIDES OF FITTINGS) SPECIFIED IN THE TABLE ABOVE.
3. THE COST OF FURNISHING AND INSTALLING HARNESS RESTRAINTS SHALL BE CONSIDERED INCIDENTAL TO THE PIPE INSTALLATION AND NO SEPARATE PAYMENT WILL BE MADE FOR HARNESS INSTALLATION.
4. ALL MATERIALS SHALL BE MANUFACTURED IN THE UNITED STATES.

6 - DUAL WATER MAIN TRENCH CROSS SECTION
NTS

7 - THRUST BLOCK
NTS

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

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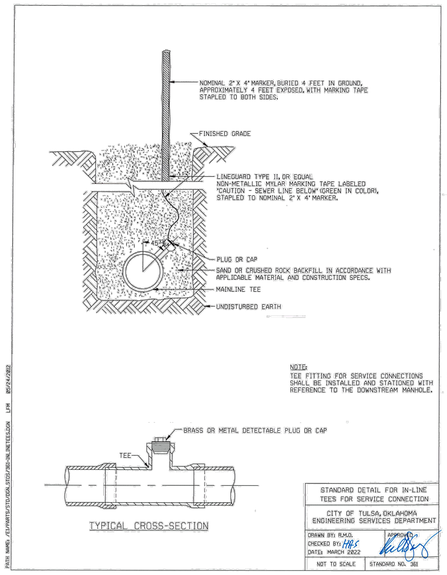

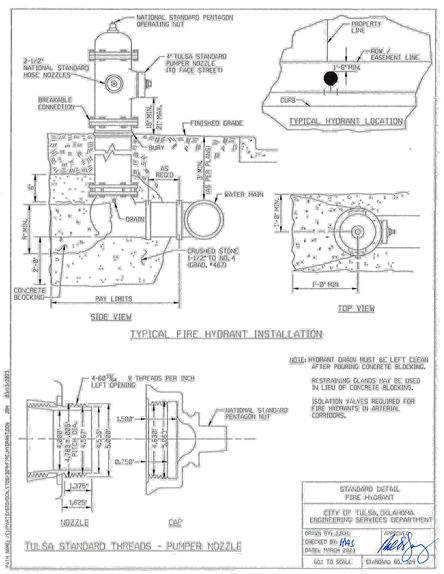

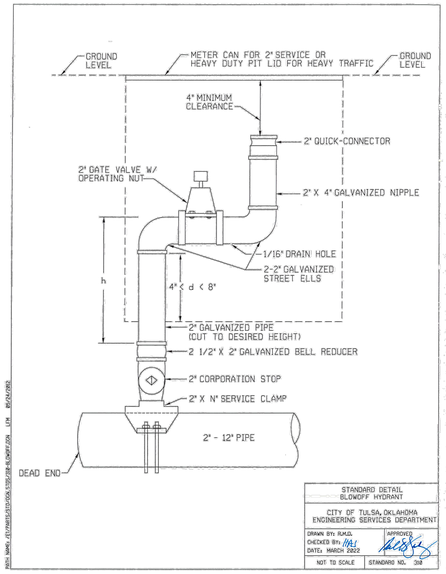

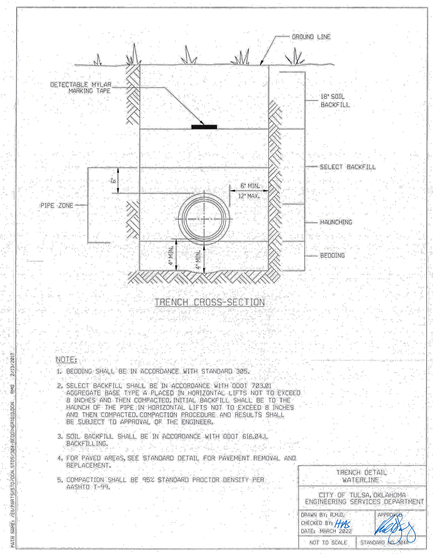

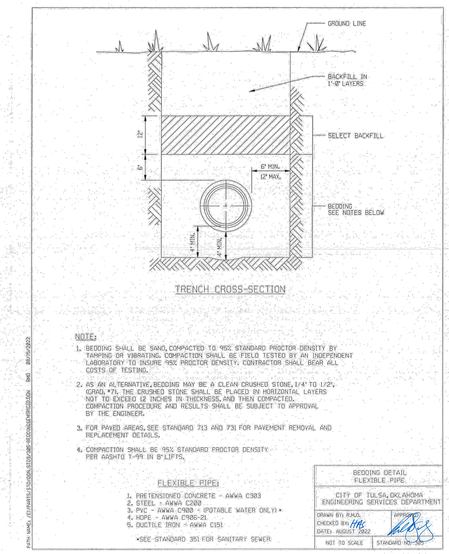

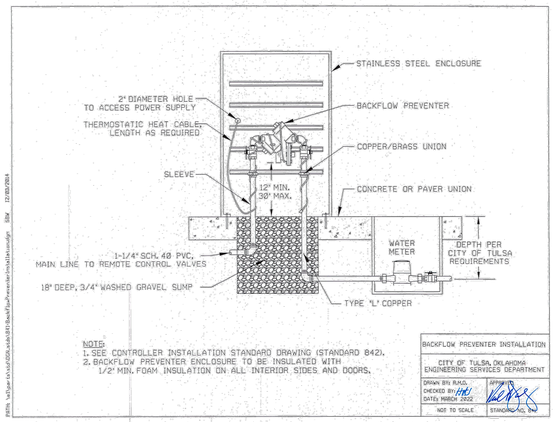

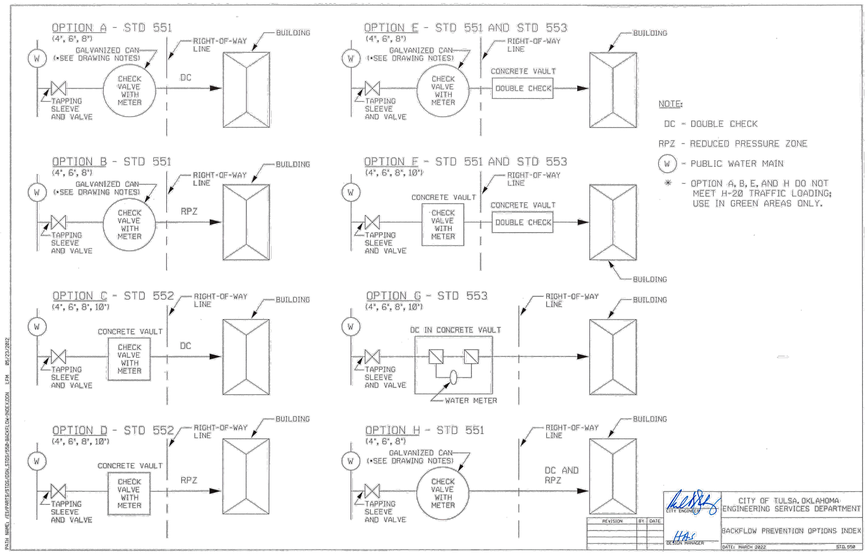

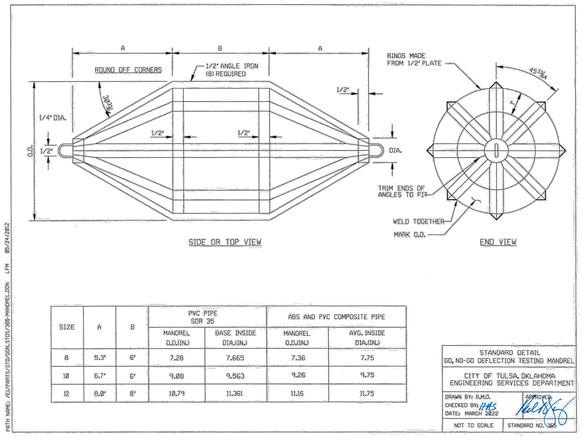

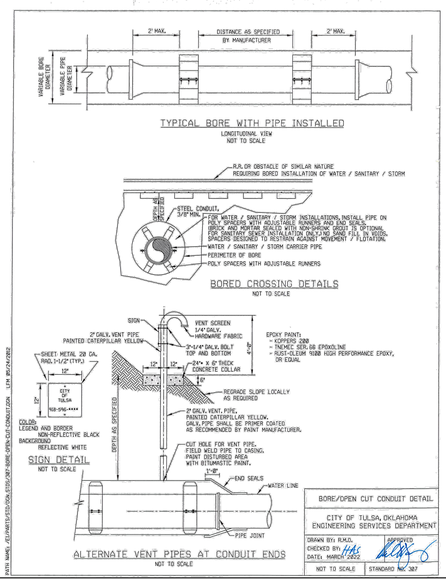

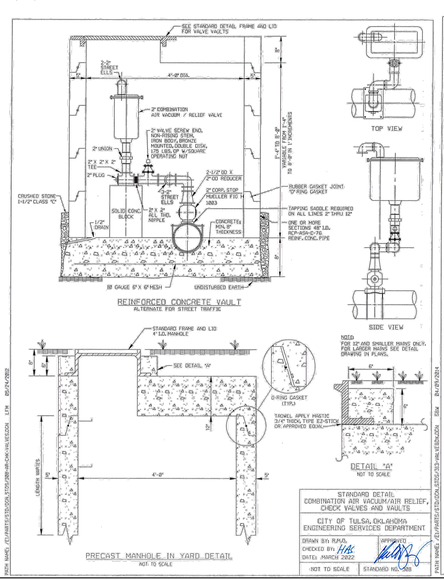

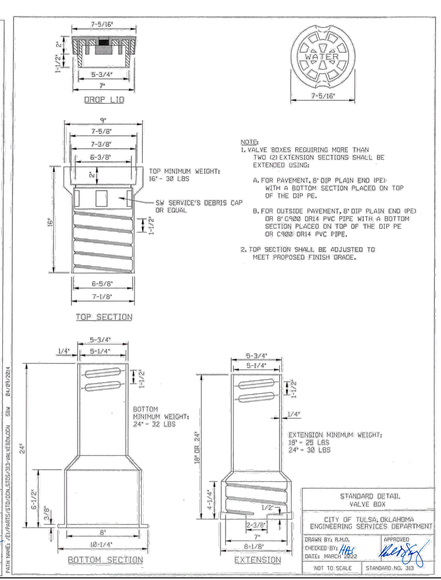

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

C:\ACCVACCDocs\Kimley-Horn\660057900_CYL1\Project Files\00_Civil\SP503_Production-DWGS\CYL-1A-C-6500-WATER DETAILS 8/8/2025 9:52 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

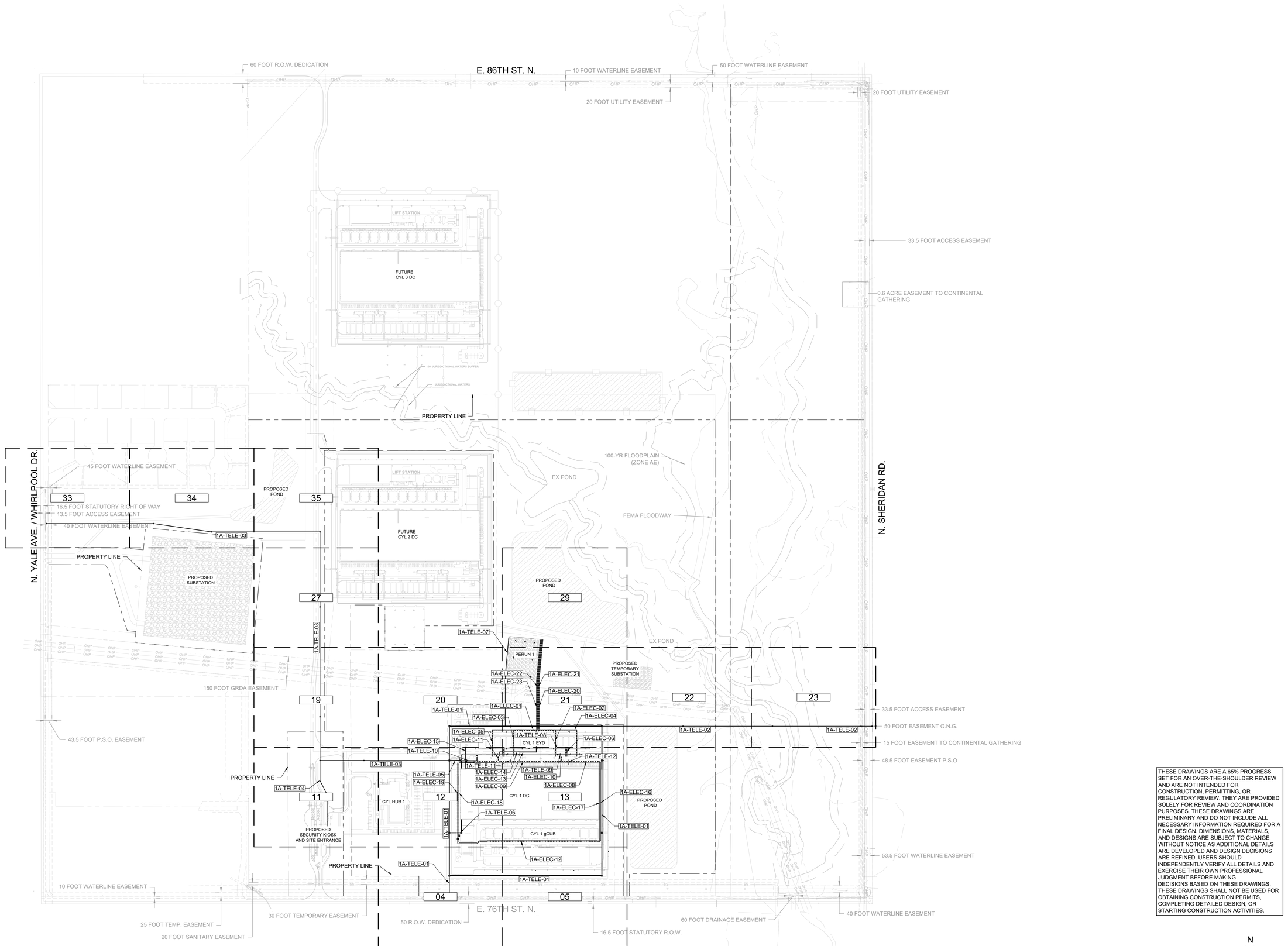
REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

WATER DETAILS
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-6501
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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N

0' 100' 200' 400'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7000 MISCELLANEOUS UTILITIES PLAN - OVERALL 8/15/2025 1:44 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

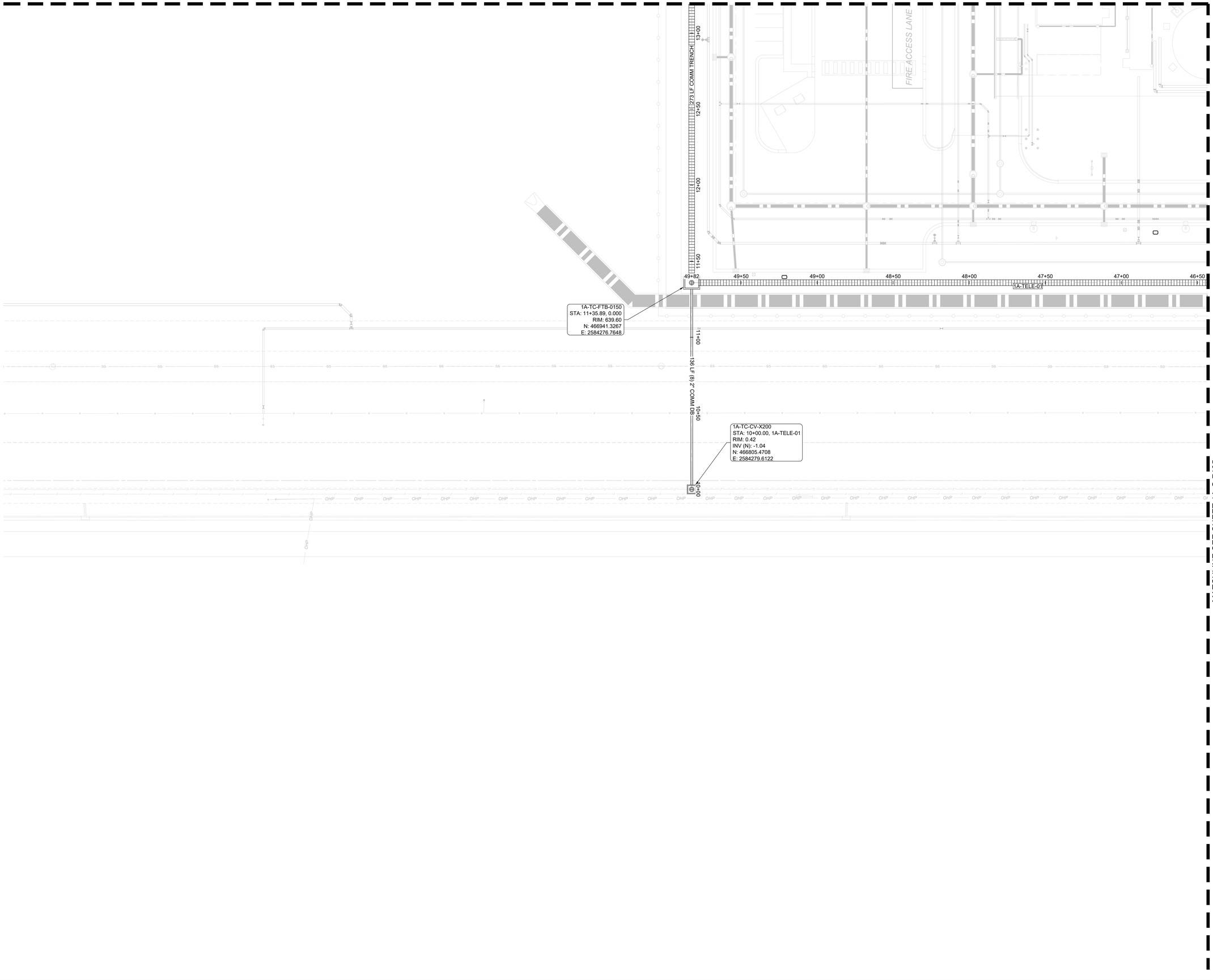
MISCELLANEOUS UTILITIES OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7112



MATCHLINE SEE SHEET 1A-C-7105

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
3. INCOMING CONDUIT ANGLES ARE SHOWN FOR INTENT PURPOSE ONLY. EXACT ANGLE OF CONDUIT COMING INTO THE BUILDING WILL BE FIELD COORDINATED WITH CONDUIT AS IT EXITS CABLE VAULT. ALL WILL TURN UP 90° VERTICAL AND STUB THROUGH SLAB NO LESS THAN 6" IN ORDER TO BE EXTENDED INTO POE BOX AT A LATER TIME.
4. PROPOSED TELECOM ROUTING FROM EXISTING VAULTS TO BUILDING CONNECTIONS IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL FIELD VERIFY THAT THE CONNECTION DO NOT EXCEED BEND RADII REQUIREMENTS. IF FIELD DISCREPANCIES ARE FOUND NOTIFY ENGINEER AND OWNER IMMEDIATELY.
5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

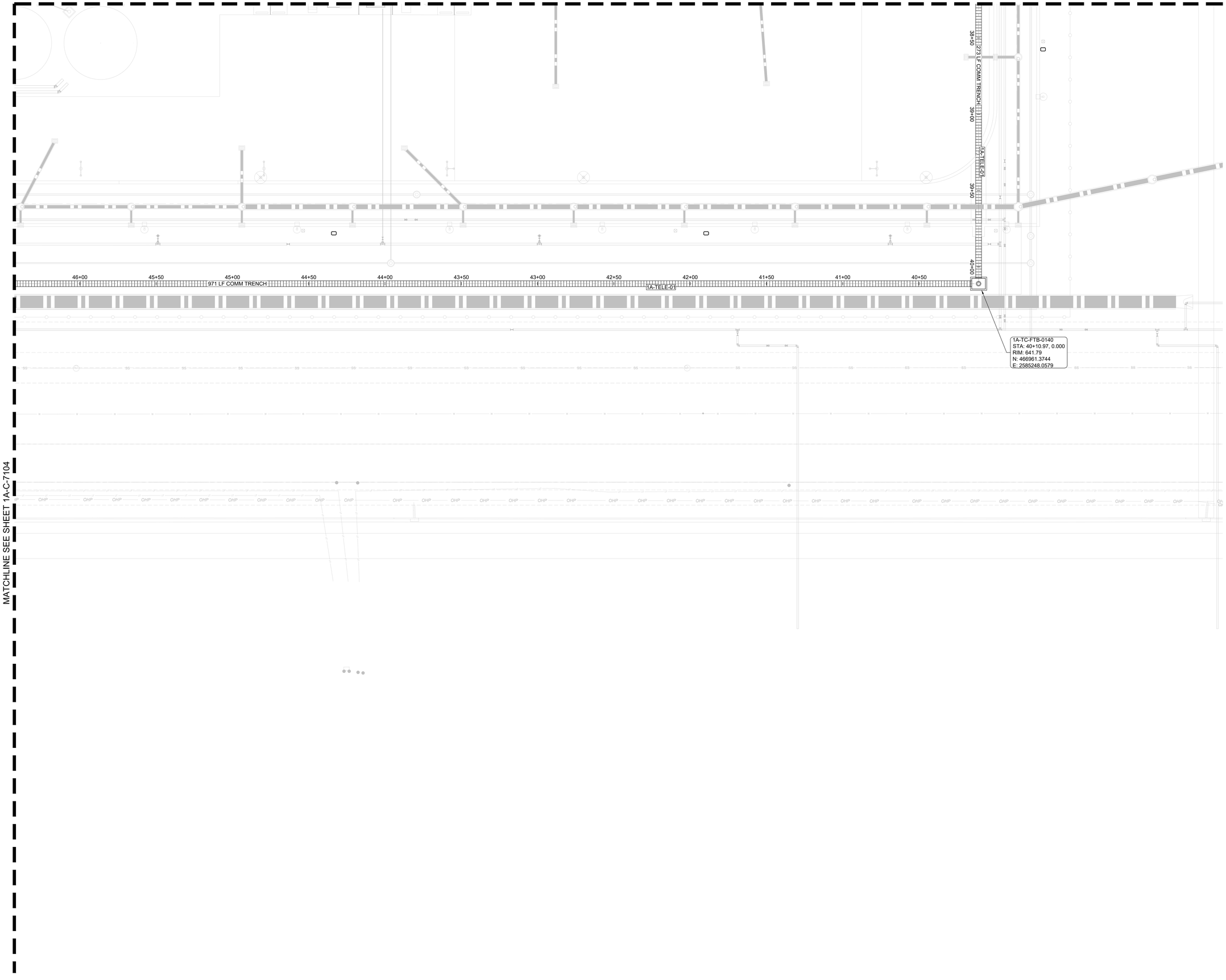
MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7113



MATCHLINE SEE SHEET 1A-C-7104

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
3. INCOMING CONDUIT ANGLES ARE SHOWN FOR INTENT PURPOSE ONLY. EXACT ANGLE OF CONDUIT COMING INTO THE BUILDING WILL BE FIELD COORDINATED WITH CONDUIT AS IT EXITS CABLE VAULT. ALL WILL TURN UP 90° VERTICAL AND STUB THROUGH SLAB NO LESS THAN 6" IN ORDER TO BE EXTENDED INTO POE BOX AT A LATER TIME.
4. PROPOSED TELECOM ROUTING FROM EXISTING VAULTS TO BUILDING CONNECTIONS IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL FIELD VERIFY THAT THE CONNECTION DO NOT EXCEED BEND RADII REQUIREMENTS. IF FIELD DISCREPANCIES ARE FOUND NOTIFY ENGINEER AND OWNER IMMEDIATELY.
5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

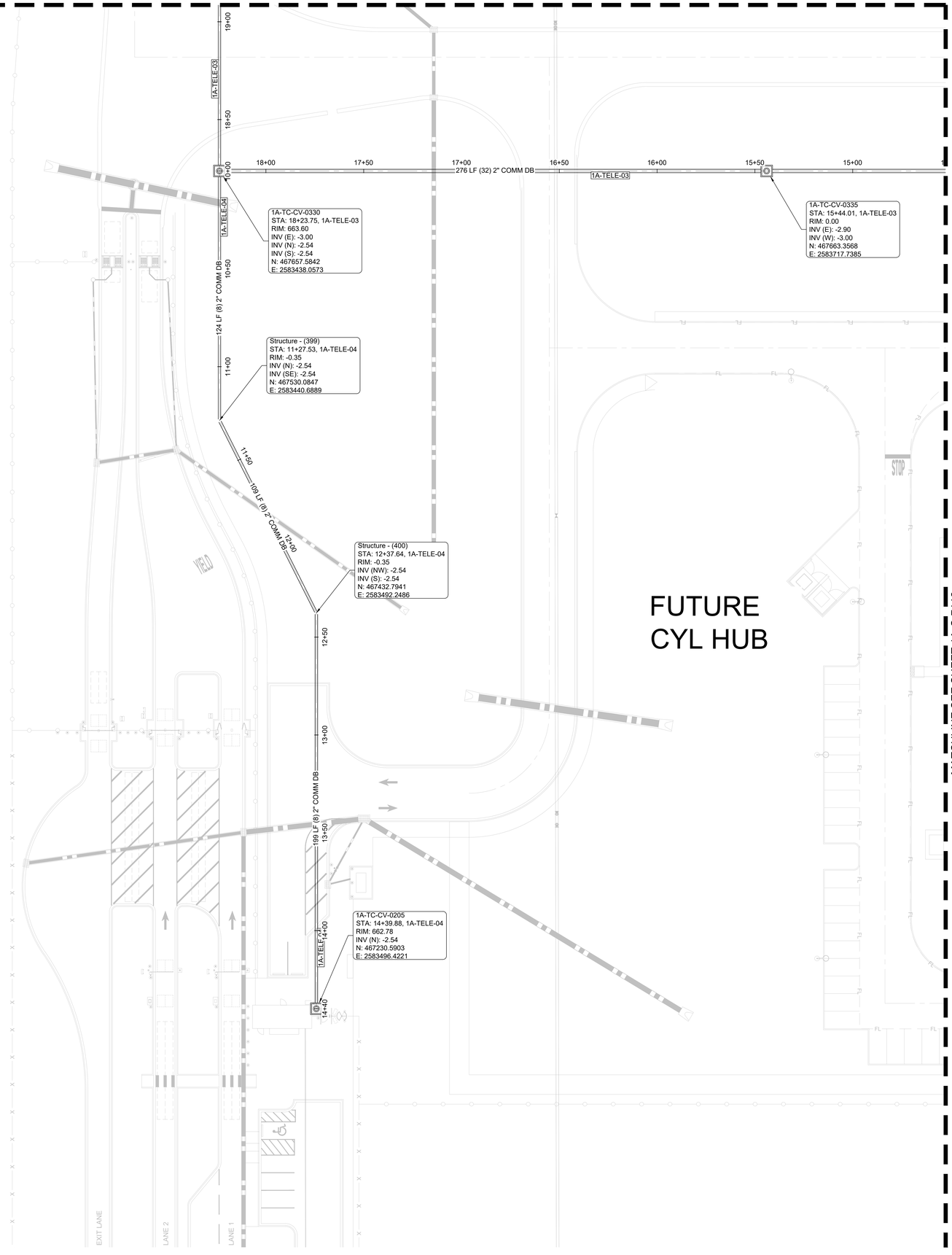
MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7119



MATCHLINE SEE SHEET 1A-C-7112

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
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5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\06005790 0_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

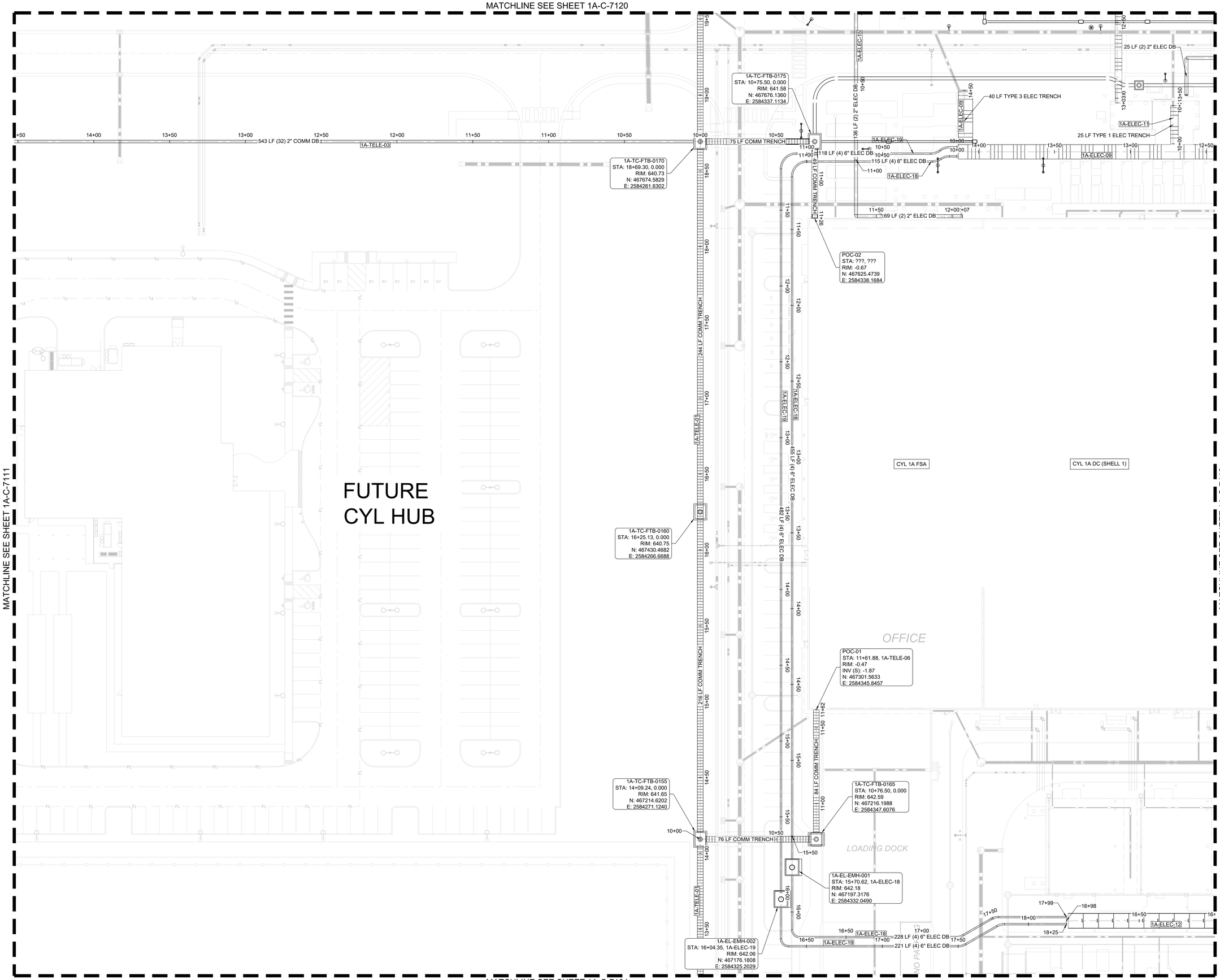
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7111
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7120



MATCHLINE SEE SHEET 1A-C-7111

MATCHLINE SEE SHEET 1A-C-7113

MATCHLINE SEE SHEET 1A-C-7104

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
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5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7121

MATCHLINE SEE SHEET 1A-C-7112

MATCHLINE SEE SHEET 1A-C-7105

1A-ELEC-07
144 LF (2) 2" ELEC DB
1A-ELEC-14
1A-ELEC-13
89 LF (2) 2" ELEC DB
106 LF (2) 2" ELEC DB
23 LF (2) 2" ELEC DB
61 LF TYPE 2 ELEC TRENCH
1A-ELEC-10
25 LF TYPE 1 ELEC TRENCH
410 LF TYPE 3 ELEC TRENCH
1A-ELEC-09
1A-ELEC-08
350 LF TYPE 3 ELEC TRENCH
1A-ELEC-08
1A-TC-FTB-0125
STA: 32+77.55, 0.000
RIM: 641.40
N: 467694.6338
E: 2585232.9233
1A-ELEC-17
1A-ELEC-16
460 LF COMM TRENCH
1A-ELEC-01
525 LF (4) 6" ELEC DB
545 LF (4) 6" ELEC DB
CYL 1A DC (SHELL 1)
CYL 1A DC (SHELL 2)
SHELL 1
SHELL 2
698 LF TYPE 3 ELEC TRENCH
1A-ELEC-12
1A-TC-FTB-0130
STA: 37+37.64, 0.000
RIM: 641.98
N: 467234.6442
E: 2585242.4176

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
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5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

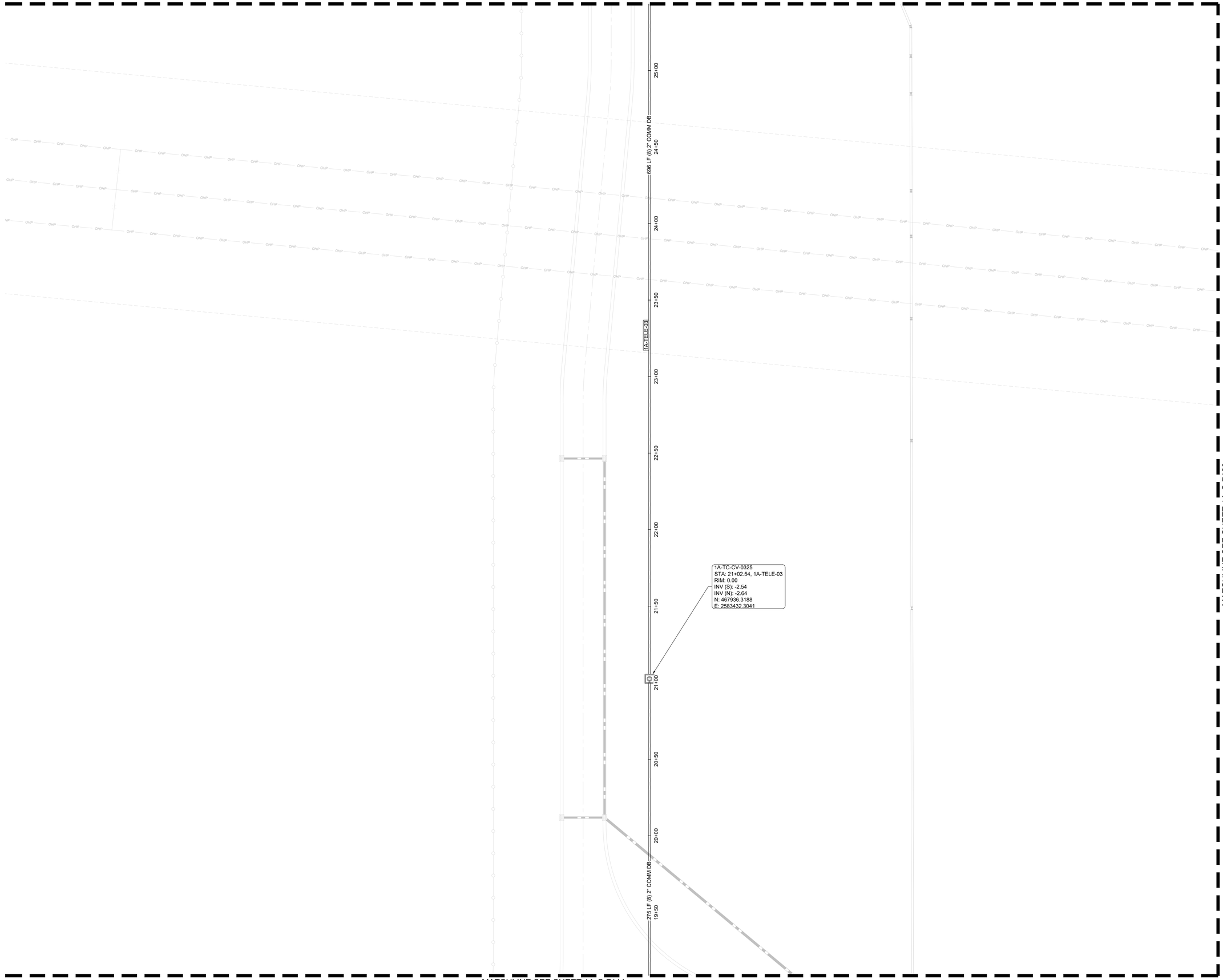
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7113
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7127



LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
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6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

MATCHLINE SEE SHEET 1A-C-7120

MATCHLINE SEE SHEET 1A-C-7111

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

ARCHITECTURE:
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TULSA, OK 74119
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7119
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

MATCHLINE SEE SHEET 1A-C-7119

MATCHLINE SEE SHEET 1A-C-7121

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

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1A-TC-FTB-0180
STA: 20+87.68, 0.000
RIM: 638.66
N: 467892.9159
E: 2584257.1238

21+00 | 1A-TELE-05 | 21+50 | 187 LF COMM TRENCH | 22+00 | 22+50 | 23+00 | 23+50 | 24+00

11+00
134 LF TYPE 1 ELEC TRENCH

20+50
218 LF COMM TRENCH
20+00

11+50
1A-ELEC-05
12+00
169 LF TYPE 1 ELEC TRENCH

11+00

MATCHLINE SEE SHEET 1A-C-7112

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N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7120

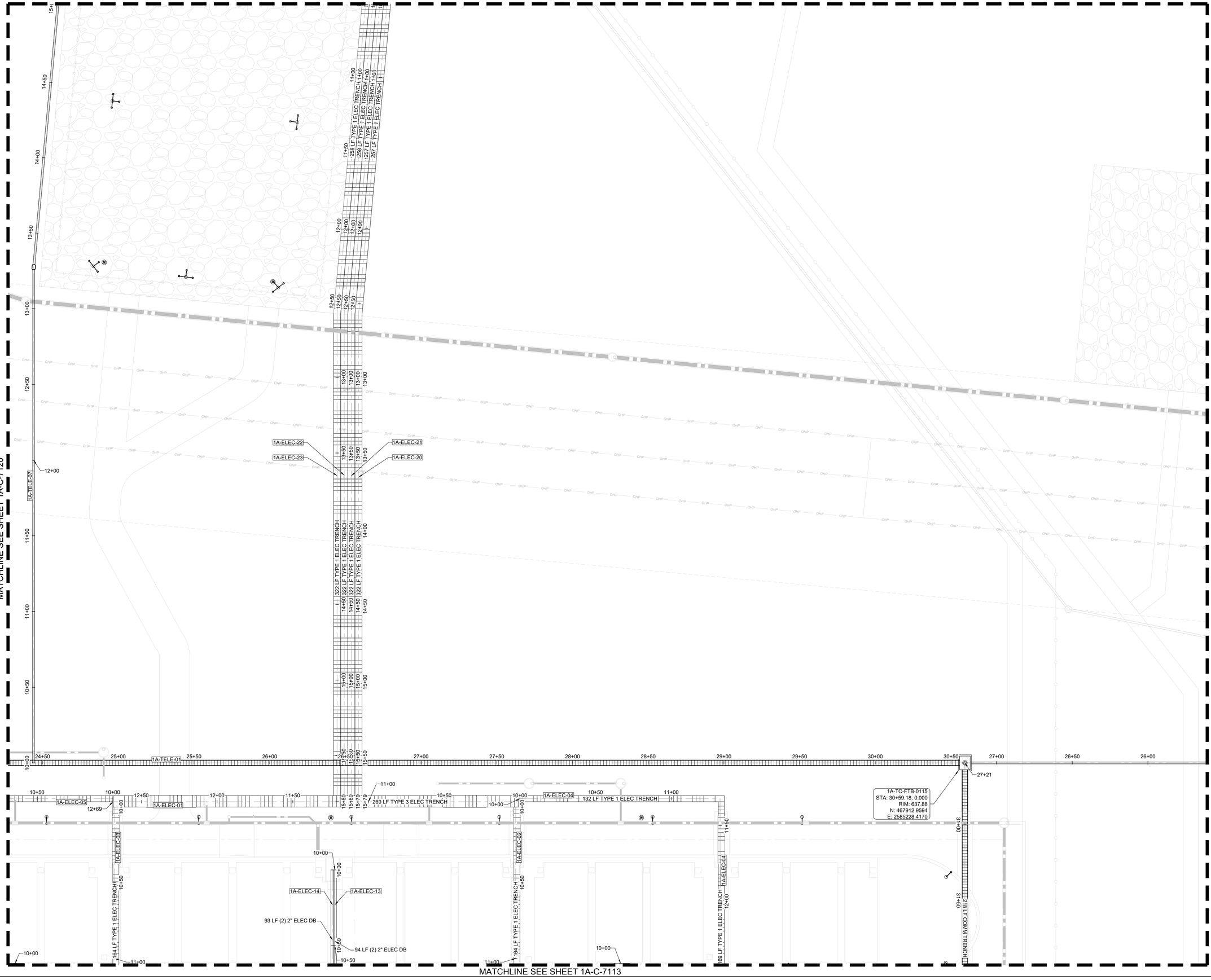
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7129

MATCHLINE SEE SHEET 1A-C-7120

MATCHLINE SEE SHEET 1A-C-7122

MATCHLINE SEE SHEET 1A-C-7113



LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7121

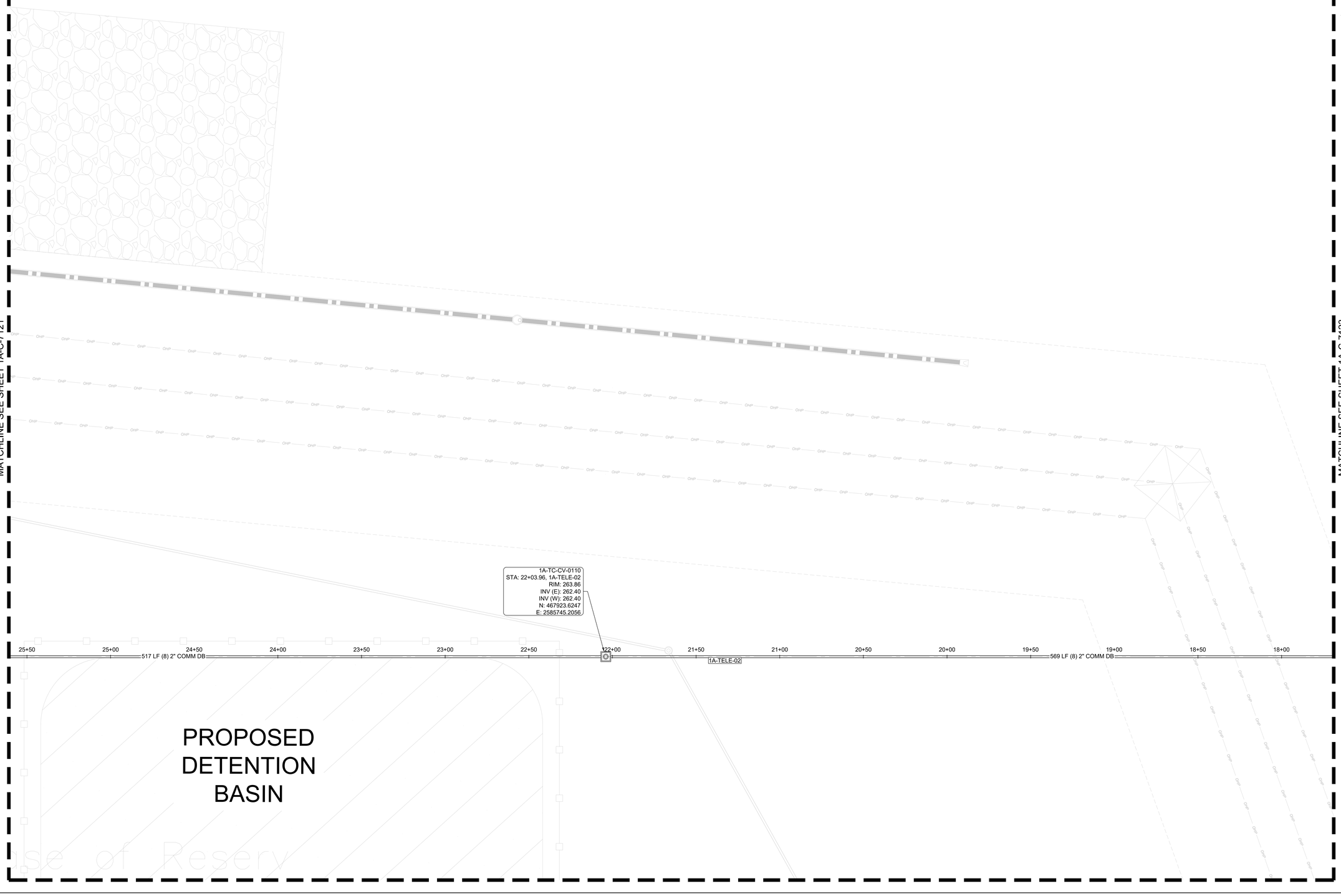
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7101 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:59 PM

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7106 MISCELLANEOUS UTILITIES PLAN 8/8/2025 5:57 PM

MATCHLINE SEE SHEET 1A-C-7121

MATCHLINE SEE SHEET 1A-C-7123



LEGEND

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- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

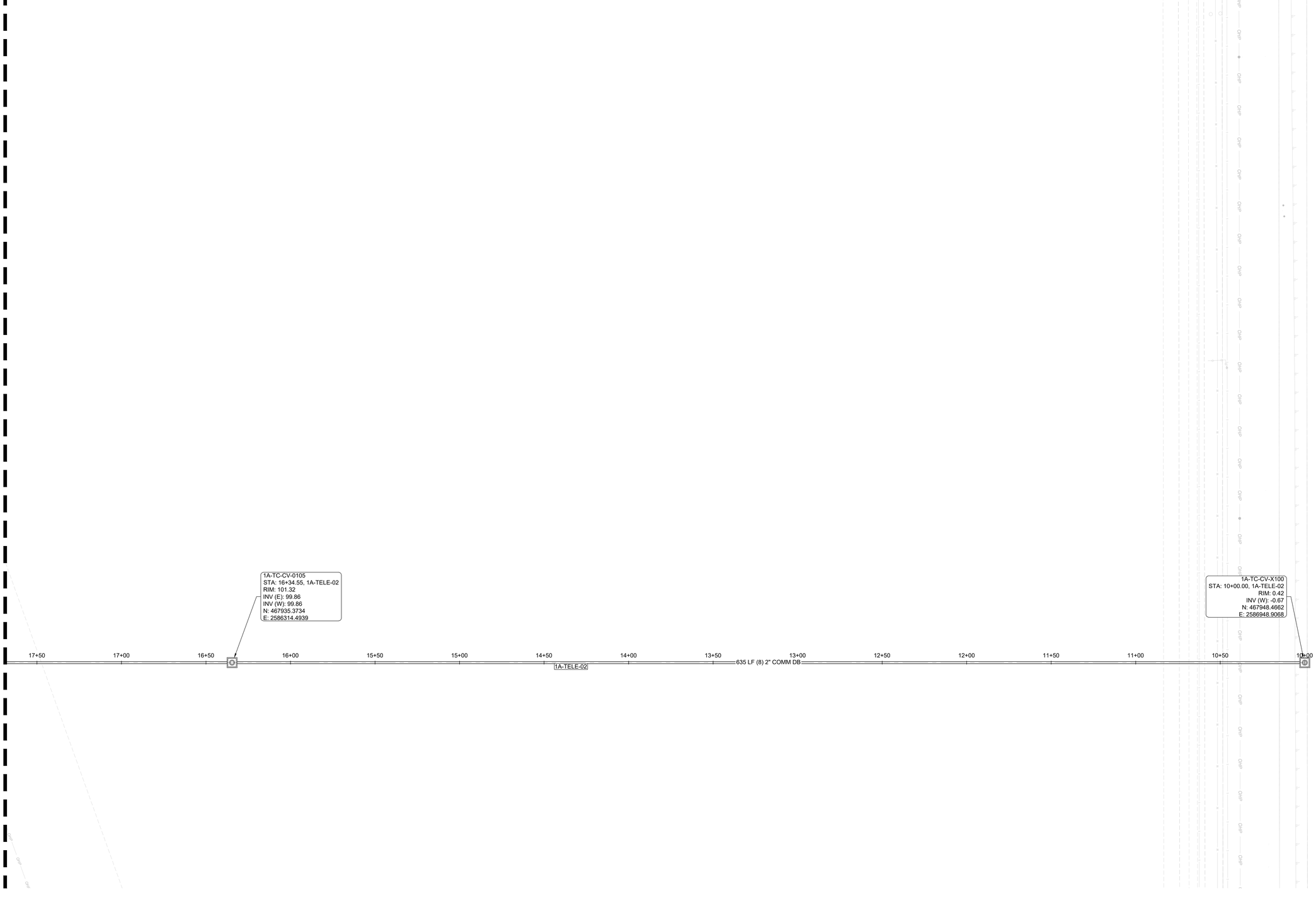
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7106 MISCELLANEOUS UTILITIES PLAN 8/8/2025 5:57 PM

MATCHLINE SEE SHEET 1A-C-7122



LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
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- DUCTBANK
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NOTES

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

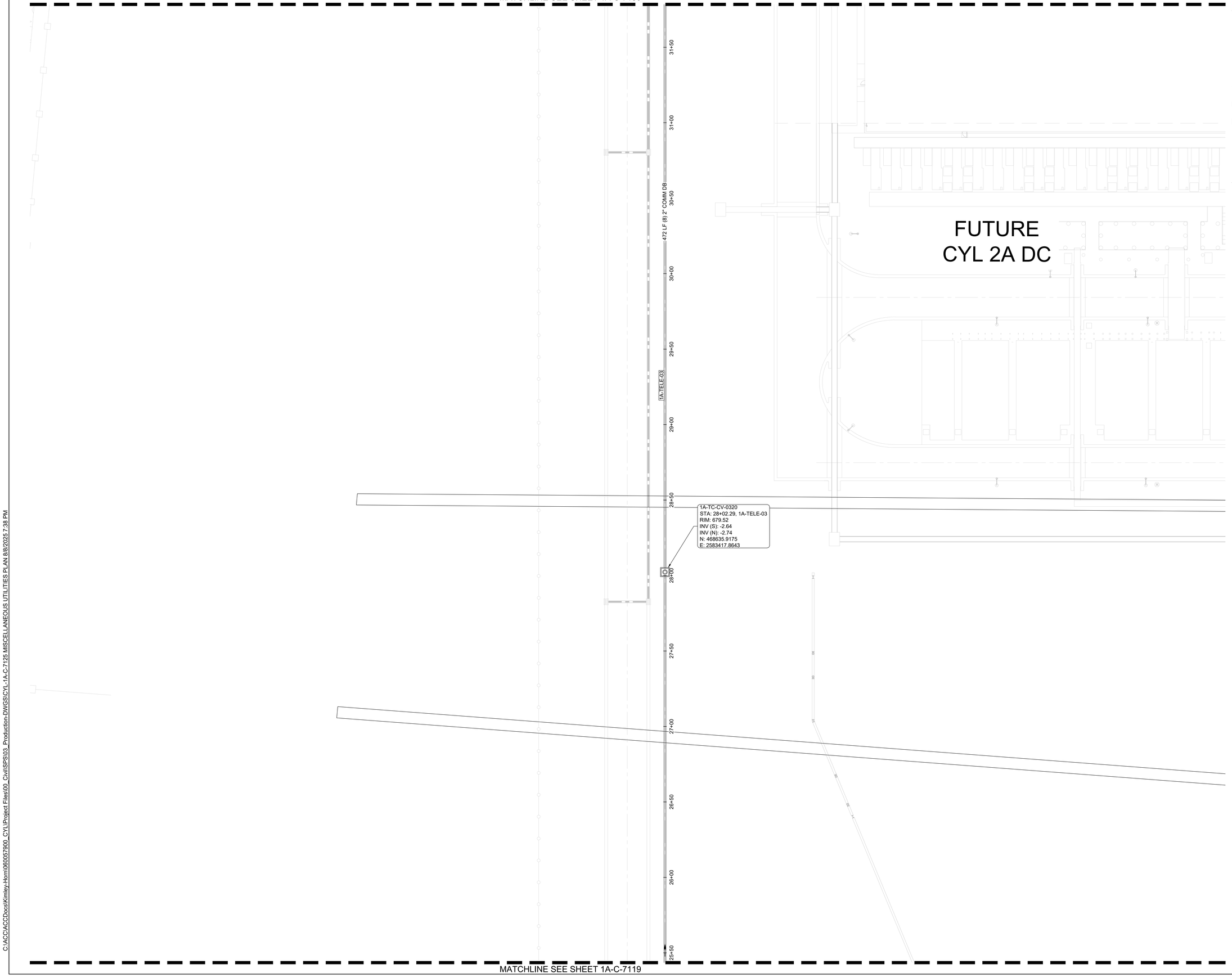
MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7123

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-7135



LEGEND

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- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
3. INCOMING CONDUIT ANGLES ARE SHOWN FOR INTENT PURPOSE ONLY. EXACT ANGLE OF CONDUIT COMING INTO THE BUILDING WILL BE FIELD COORDINATED WITH CONDUIT AS IT EXITS CABLE VAULT. ALL WILL TURN UP 90° VERTICAL AND STUB THROUGH SLAB NO LESS THAN 6" IN ORDER TO BE EXTENDED INTO POE BOX AT A LATER TIME.
4. PROPOSED TELECOM ROUTING FROM EXISTING VAULTS TO BUILDING CONNECTIONS IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL FIELD VERIFY THAT THE CONNECTION DO NOT EXCEED BEND RADII REQUIREMENTS. IF FIELD DISCREPANCIES ARE FOUND NOTIFY ENGINEER AND OWNER IMMEDIATELY.
5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-7119

C:\ACCACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7125 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:38 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7127

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7106 MISCELLANEOUS UTILITIES PLAN 8/8/2025 5:57 PM

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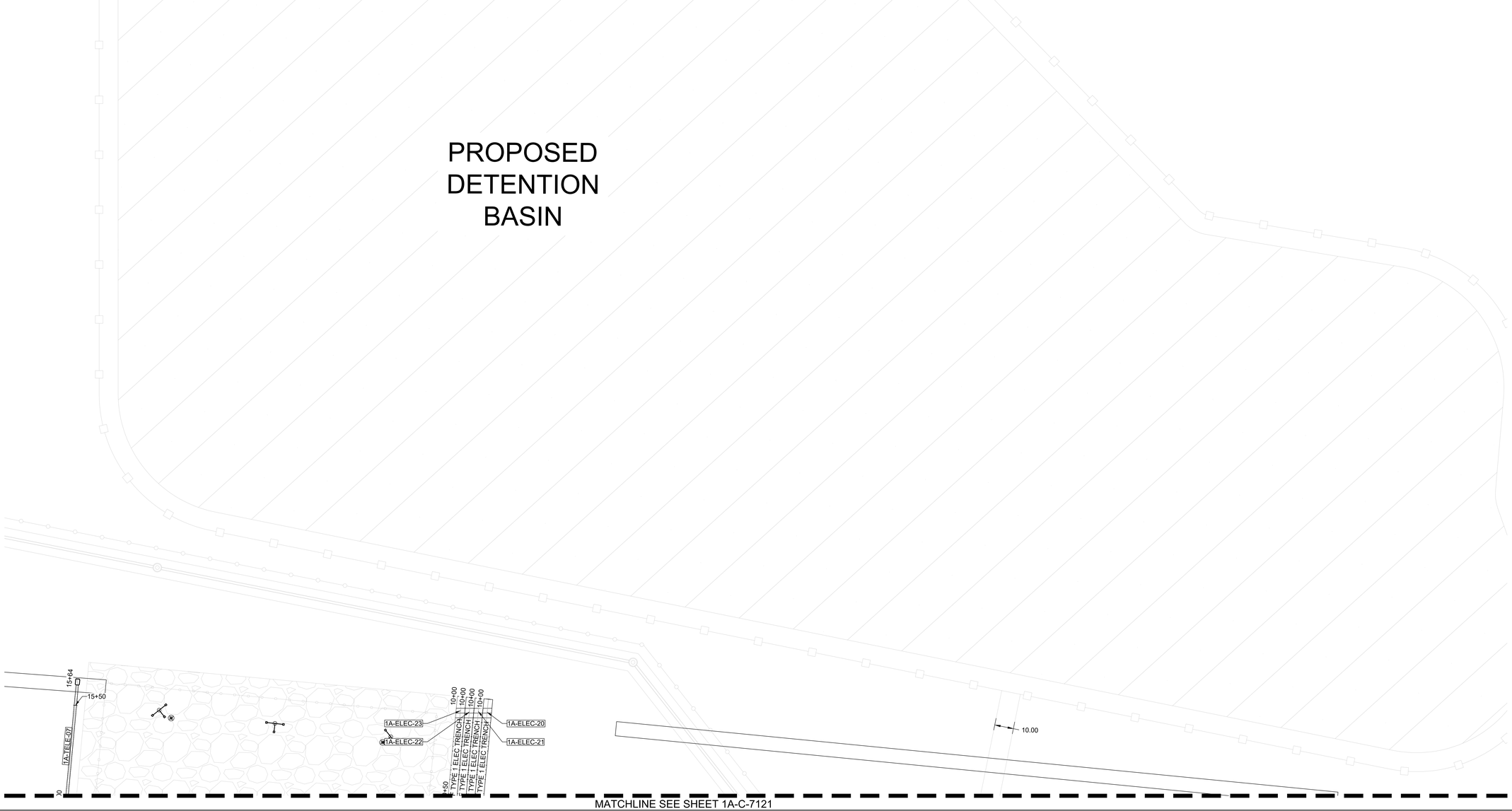

MATCHLINE SEE SHEET 1A-C-7121

LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
3. INCOMING CONDUIT ANGLES ARE SHOWN FOR INTENT PURPOSE ONLY. EXACT ANGLE OF CONDUIT COMING INTO THE BUILDING WILL BE FIELD COORDINATED WITH CONDUIT AS IT EXITS CABLE VAULT. ALL WILL TURN UP 90° VERTICAL AND STUB THROUGH SLAB NO LESS THAN 6" IN ORDER TO BE EXTENDED INTO POE BOX AT A LATER TIME.
4. PROPOSED TELECOM ROUTING FROM EXISTING VAULTS TO BUILDING CONNECTIONS IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL FIELD VERIFY THAT THE CONNECTION DO NOT EXCEED BEND RADII REQUIREMENTS. IF FIELD DISCREPANCIES ARE FOUND NOTIFY ENGINEER AND OWNER IMMEDIATELY.
5. ALL PROPOSED DUCTBANK TO BE BACKFILLED WITH SAND EXCEPT AT ROAD CROSSING WHERE DUCT BANK IS TO BE CONCRETE ENCASED PER THE SPECIFICATIONS.
6. REFER TO TELECOM, ELECTRICAL, AND SECURITY SHEETS FOR 2" CONDUIT RUNS NOT SHOWN HERE.

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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

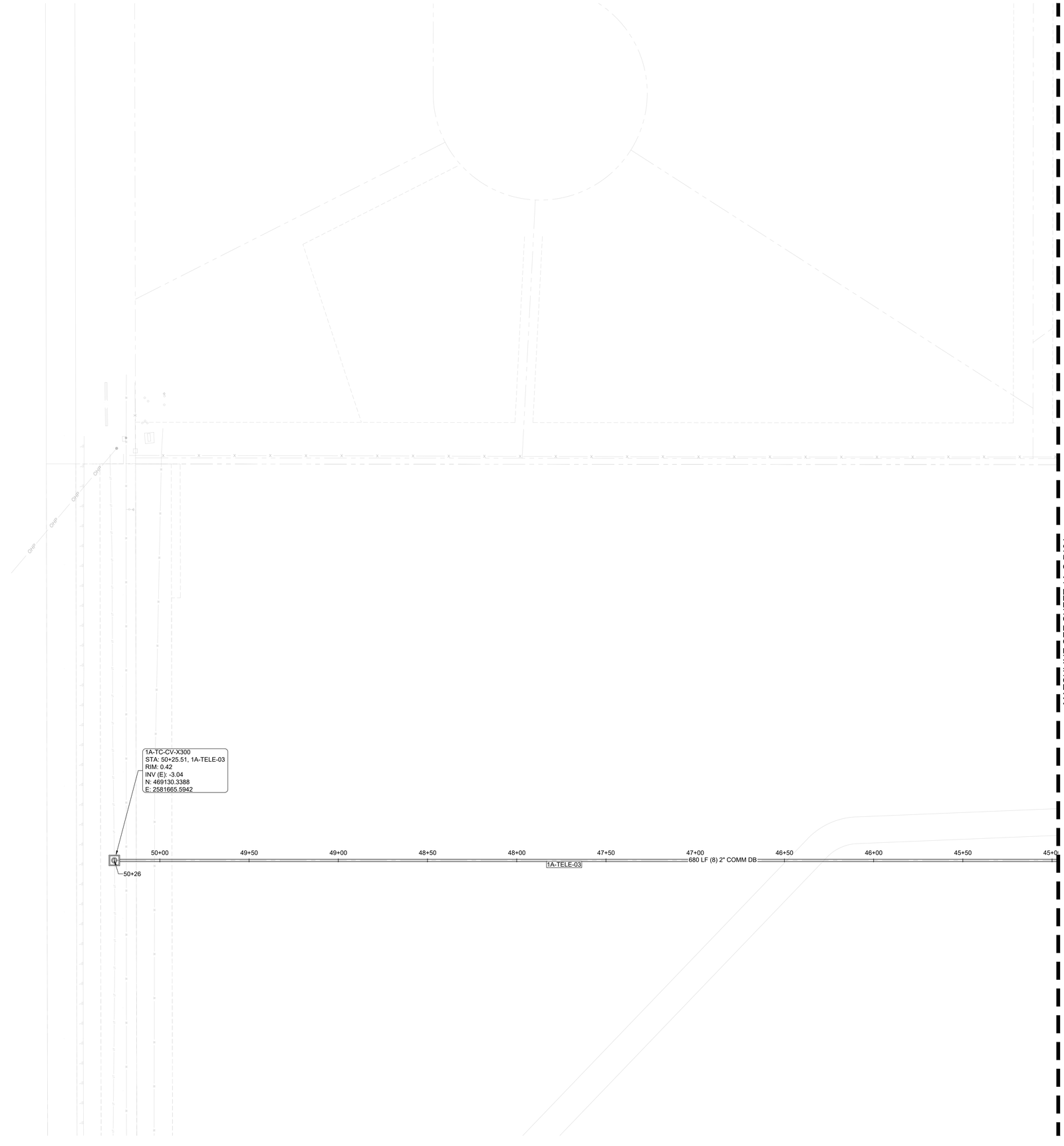
DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7129
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7125 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:38 PM



LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- ELECTRIC MANHOLE (EMH)
- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

1. SEE SHEETS 2A-C-7500 TO 2A-C-7507 FOR DETAILS.
2. PROVIDE LONG RADIUS CONDUIT BENDS @ ALL CONDUIT TRANSITIONS. CONDUIT BENDS SHALL BE MAINTAINED AT 20X THE INSIDE DIAMETER OF THE CONDUIT.
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N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
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1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

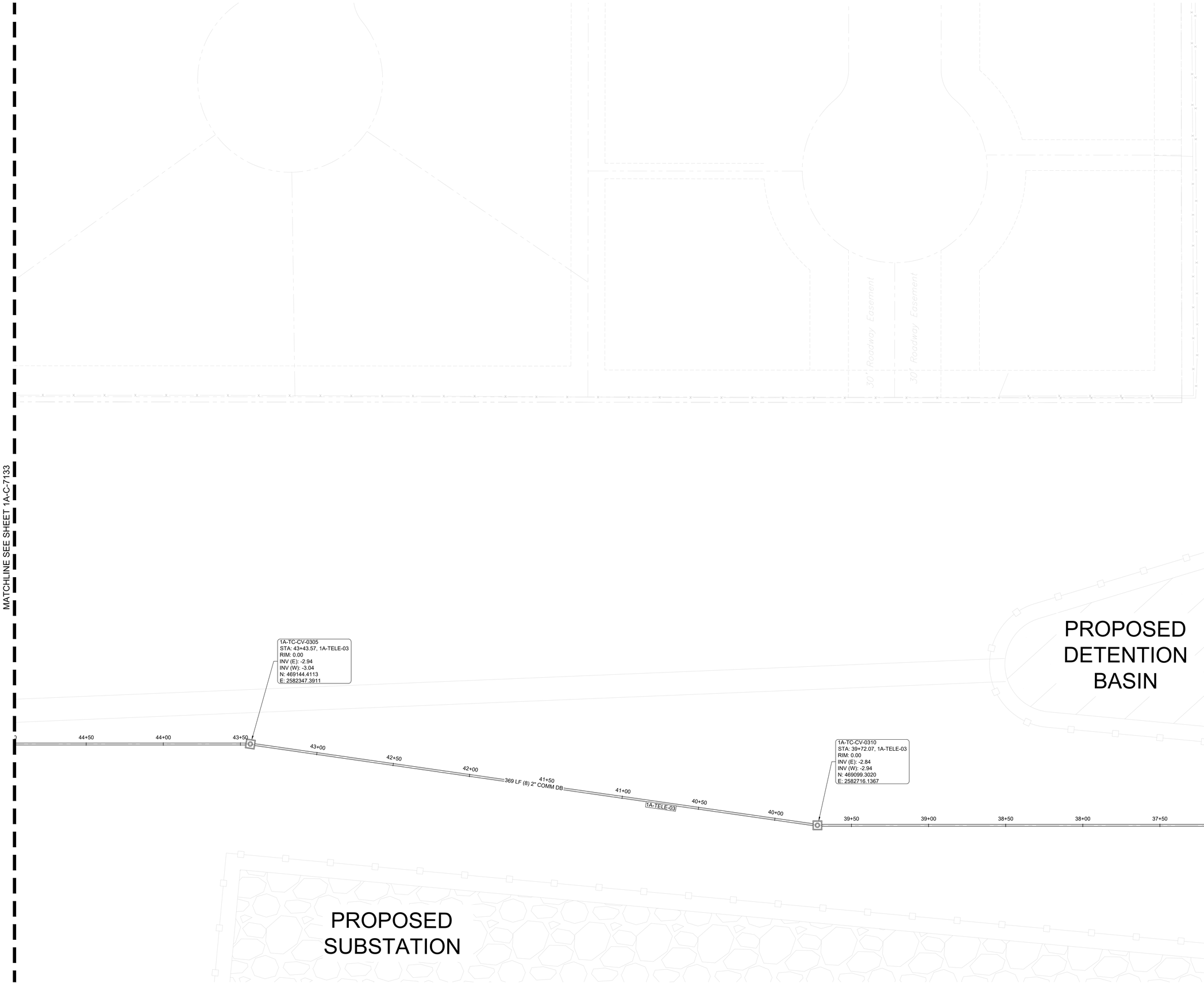
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7133

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

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- TELECOM HANDHOLE (HH)
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- DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL1\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7125 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:38 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

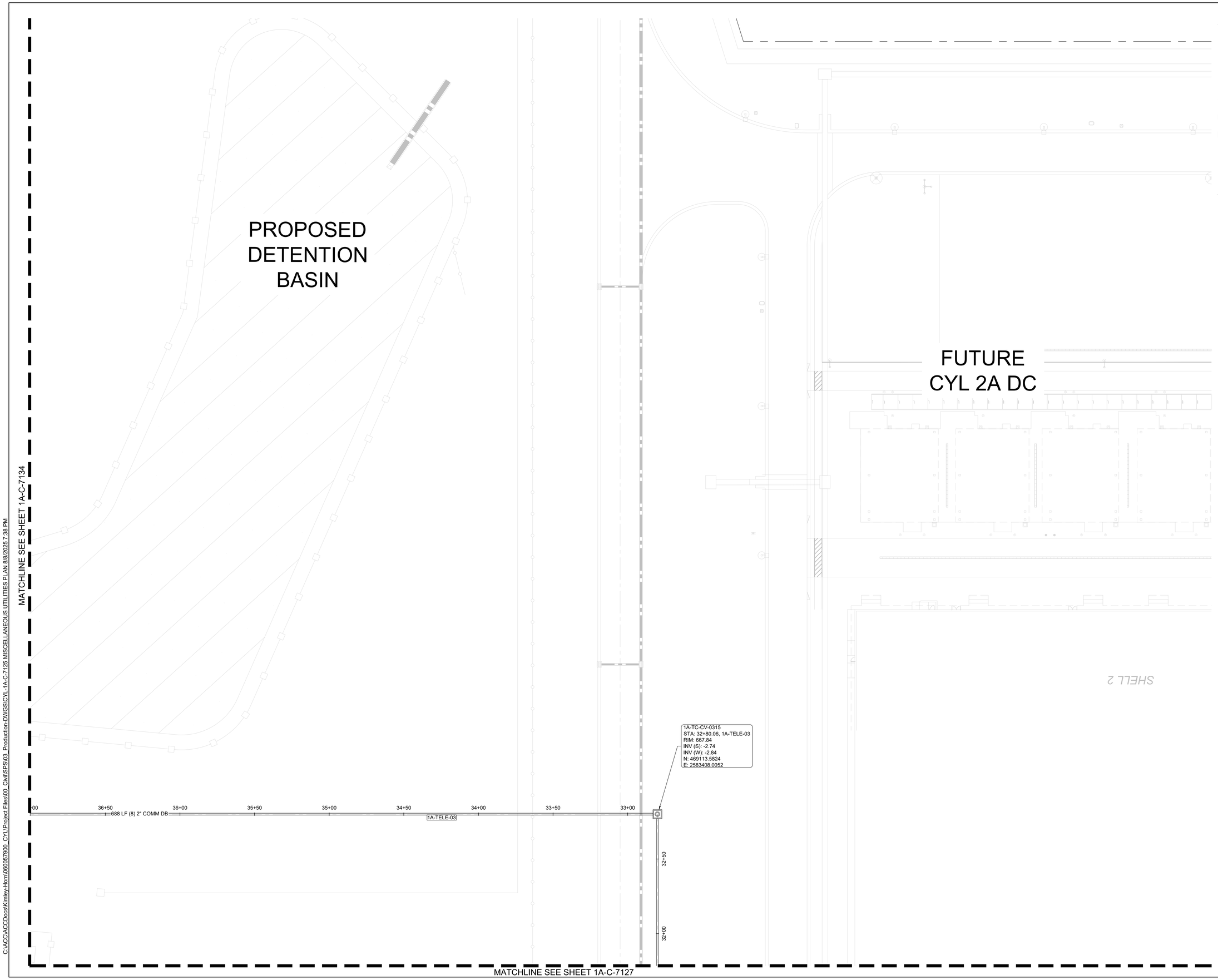
PROJ. NO.: 10434525

MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7134

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
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- TELECOM TRENCH
- ELECTRIC TRENCH
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- SECURITY CAMERA POLE

NOTES

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-7125 MISCELLANEOUS UTILITIES PLAN 8/8/2025 7:38 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

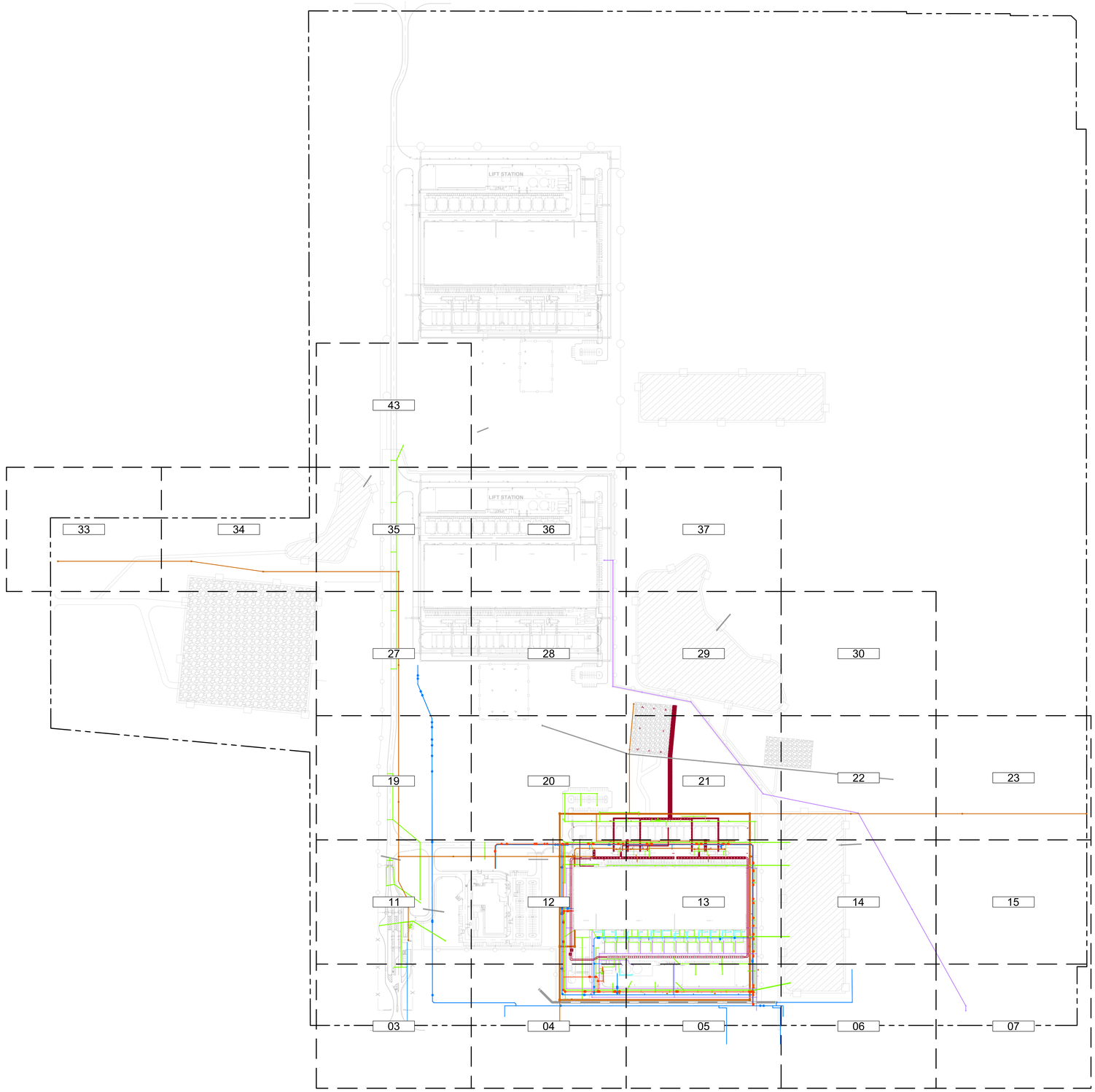
MISCELLANEOUS UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-7135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8000 COMPOSITE UTILITIES PLAN - OVERALL 6/23/2025 5:03 PM



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N

0' 100' 200' 400'
SCALE IN FEET

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

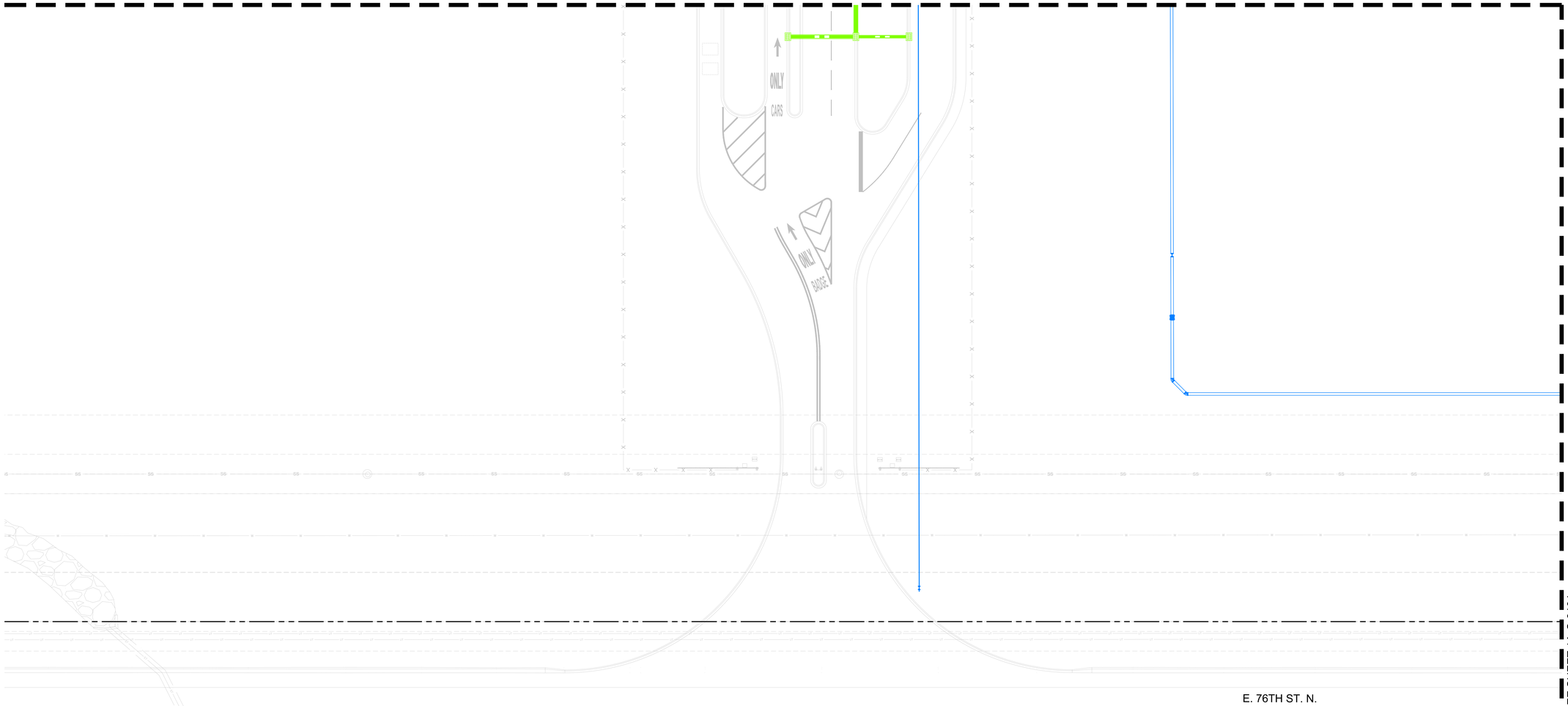
COMPOSITE UTILITIES PLAN - OVERALL

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8000

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8111



MATCHLINE SEE SHEET 1A-C-8104

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8101 COMPOSITE UTILITIES PLAN 6/24/2025 2:37 PM

ARCHITECTURE:
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STRUCTURE:
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MEP:
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CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8103

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8112

MATCHLINE SEE SHEET 1A-C-8103

MATCHLINE SEE SHEET 1A-C-8105

FIRE ACCESS LANE

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8101 COMPOSITE UTILITIES PLAN 6/24/2025 2:37 PM

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8113

MATCHLINE SEE SHEET 1A-C-8104

MATCHLINE SEE SHEET 1A-C-8106

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8114

MATCHLINE SEE SHEET 1A-C-8105

MATCHLINE SEE SHEET 1A-C-8107

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8106

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8115

MATCHLINE SEE SHEET 1A-C-8106

MATCHLINE SEE SHEET 1A-C-8108

UNKNOWN VALVE

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

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SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

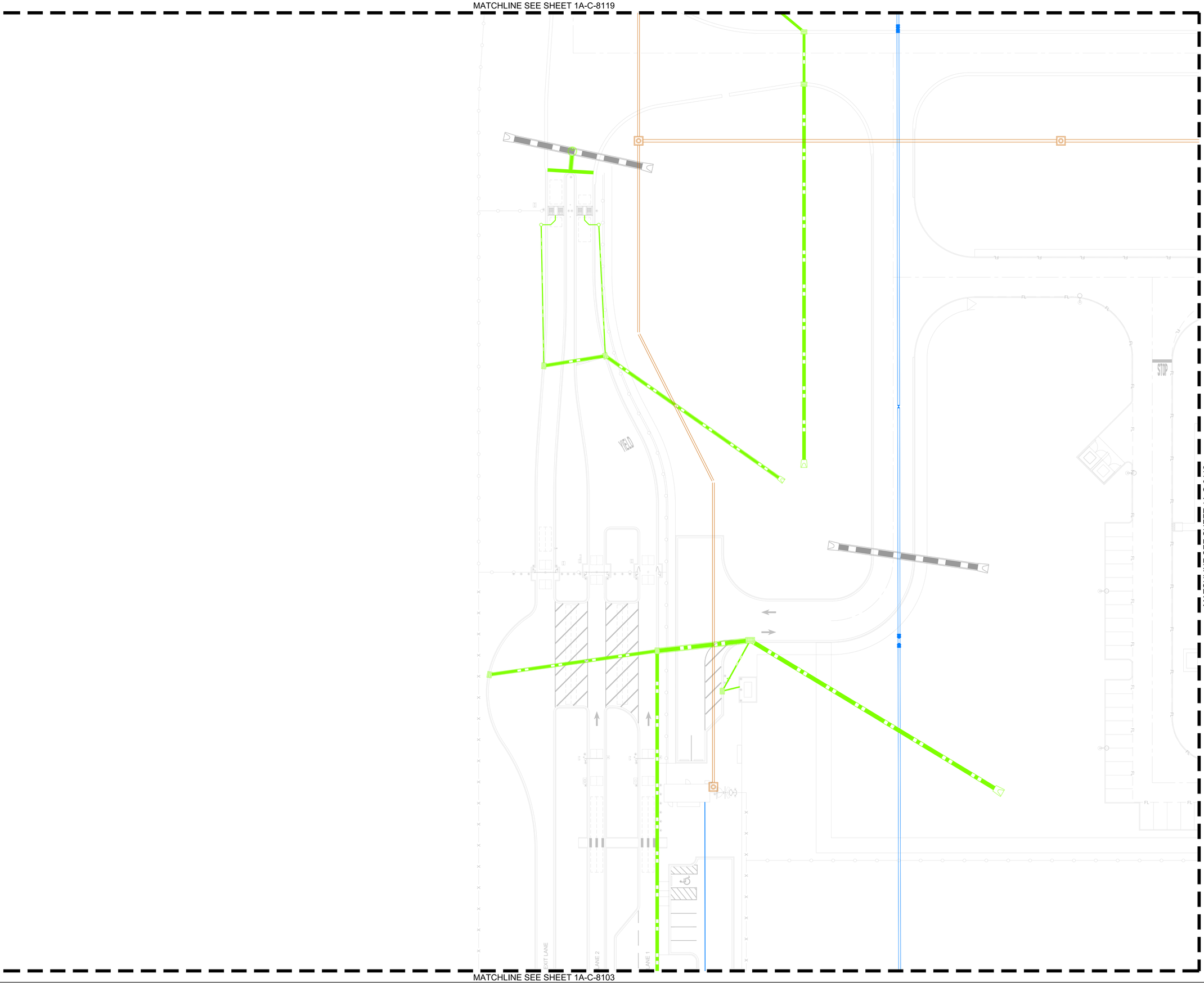
COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8107

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8119



MATCHLINE SEE SHEET 1A-C-8112

MATCHLINE SEE SHEET 1A-C-8103

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
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- ELECTRIC MANHOLE (EMH)
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- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
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- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
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- BOX (BX)

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8111

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8120

MATCHLINE SEE SHEET 1A-C-8111

MATCHLINE SEE SHEET 1A-C-8113

MATCHLINE SEE SHEET 1A-C-8104

HUB 1A

CYL 1A DC

OFFICE

LOADING DOCK

NO PARKING

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
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- ELECTRIC MANHOLE (EMH)
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- DISTRIBUTION TEE (T)
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- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
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- TRENCH DRAIN
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- BOX (BX)

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8121

MATCHLINE SEE SHEET 1A-C-8112

MATCHLINE SEE SHEET 1A-C-8114

MATCHLINE SEE SHEET 1A-C-8105

CYL 1A DC

SHELL 1

SHELL 2

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8101 COMPOSITE UTILITIES PLAN 6/24/2025 2:37 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8122

MATCHLINE SEE SHEET 1A-C-8113

MATCHLINE SEE SHEET 1A-C-8115

MATCHLINE SEE SHEET 1A-C-8106

PROPOSED
DETENTION
BASIN

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8106 COMPOSITE UTILITES PLAN 6/24/2025 5:48 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8114

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8123

MATCHLINE SEE SHEET 1A-C-8114

MATCHLINE SEE SHEET 1A-C-8107

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8115

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8127

MATCHLINE SEE SHEET 1A-C-8118

MATCHLINE SEE SHEET 1A-C-8120

MATCHLINE SEE SHEET 1A-C-8111

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LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8119

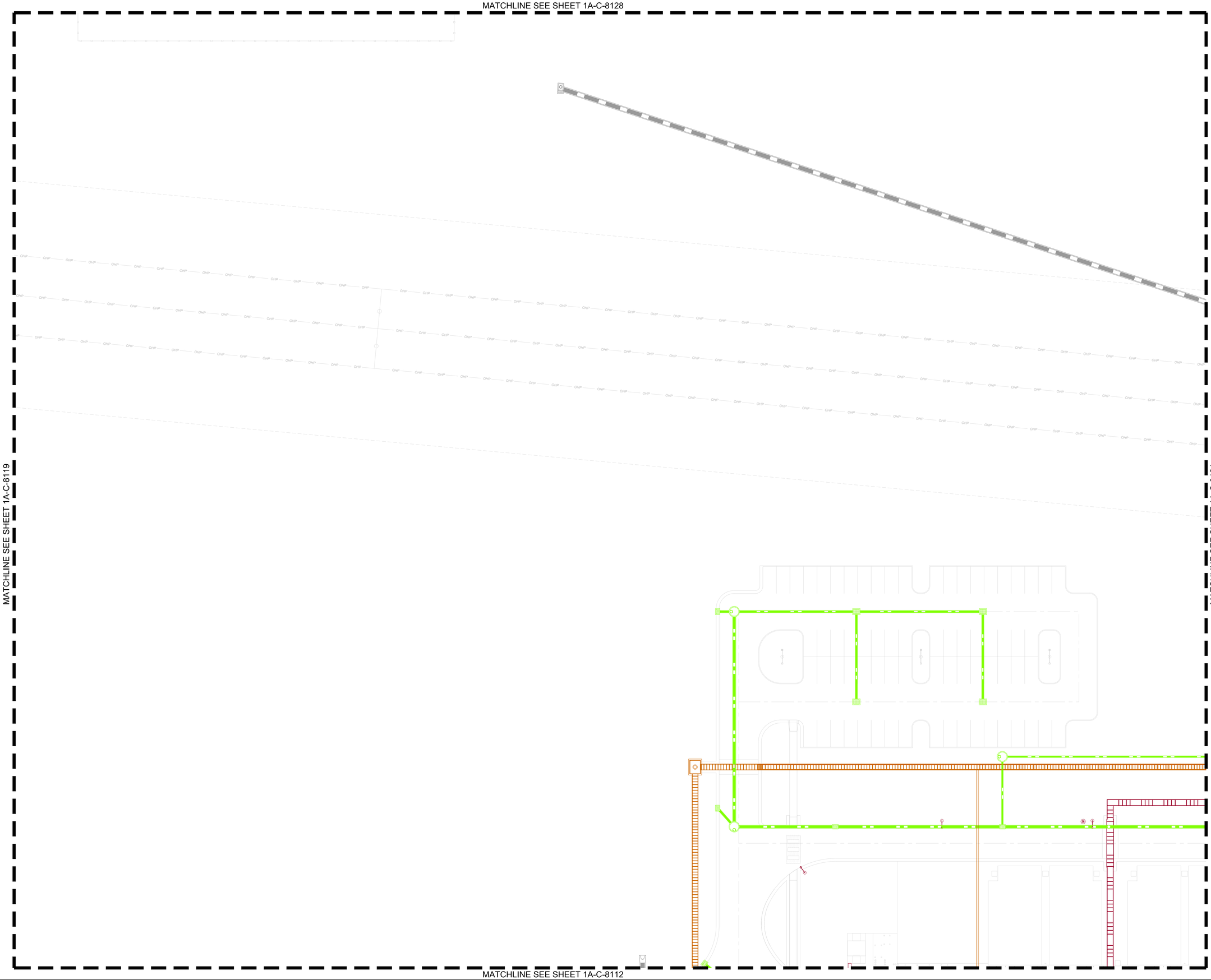
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8128

MATCHLINE SEE SHEET 1A-C-8119

MATCHLINE SEE SHEET 1A-C-8121

MATCHLINE SEE SHEET 1A-C-8112



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
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- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
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- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
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- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACC\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8101 COMPOSITE UTILITIES PLAN 6/24/2025 2:37 PM

ARCHITECTURE:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8129

PROPOSED SUBSTATION

MATCHLINE SEE SHEET 1A-C-8120

MATCHLINE SEE SHEET 1A-C-8122

MATCHLINE SEE SHEET 1A-C-8113

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
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- TELECOM TRENCH
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- ELECTRIC MANHOLE (EMH)
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- BEND (BD) OR DEFLECTION
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- JUNCTION BOX
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SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITIES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8121

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8130

MATCHLINE SEE SHEET 1A-C-8121

MATCHLINE SEE SHEET 1A-C-8123

MATCHLINE SEE SHEET 1A-C-8114

C:\ACCA\ACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8106 COMPOSITE UTILITES PLAN 6/24/2025 5:48 PM

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
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- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

THESE DRAWINGS ARE A 65% PROGRESS SET FOR AN OVER-THE-SHOULDER REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, PERMITTING, OR REGULATORY REVIEW. THEY ARE PROVIDED SOLELY FOR REVIEW AND COORDINATION PURPOSES. THESE DRAWINGS ARE PRELIMINARY AND DO NOT INCLUDE ALL NECESSARY INFORMATION REQUIRED FOR A FINAL DESIGN. DIMENSIONS, MATERIALS, AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE AS ADDITIONAL DETAILS ARE DEVELOPED AND DESIGN DECISIONS ARE REFINED. USERS SHOULD INDEPENDENTLY VERIFY ALL DETAILS AND EXERCISE THEIR OWN PROFESSIONAL JUDGMENT BEFORE MAKING DECISIONS BASED ON THESE DRAWINGS. THESE DRAWINGS SHALL NOT BE USED FOR OBTAINING CONSTRUCTION PERMITS, COMPLETING DETAILED DESIGN, OR STARTING CONSTRUCTION ACTIVITIES.

N

0' 10' 20' 40'
SCALE IN FEET

ARCHITECTURE:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8131

MATCHLINE SEE SHEET 1A-C-8122

MATCHLINE SEE SHEET 1A-C-8115

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
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- CLEANOUT (CO)
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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8106 COMPOSITE UTILITIES PLAN 6/24/2025 5:48 PM

ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8123

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8135

MATCHLINE SEE SHEET 1A-C-8126

MATCHLINE SEE SHEET 1A-C-8128

MATCHLINE SEE SHEET 1A-C-8119

PROPOSED
SUBSTATION

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8127

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8136

MATCHLINE SEE SHEET 1A-C-8127

MATCHLINE SEE SHEET 1A-C-8129

MATCHLINE SEE SHEET 1A-C-8120

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CIVIL:
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.:10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8128

PAPER SIZE: E (36"x48")
PHASE:SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8137

MATCHLINE SEE SHEET 1A-C-8128

MATCHLINE SEE SHEET 1A-C-8130

MATCHLINE SEE SHEET 1A-C-8121

PROPOSED DETENTION BASIN

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
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- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
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- PROCESS SEWER (PS)
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N

0' 10' 20' 40'
SCALE IN FEET

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ARCHITECTURE:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8129

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
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- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

MATCHLINE SEE SHEET 1A-C-8134

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

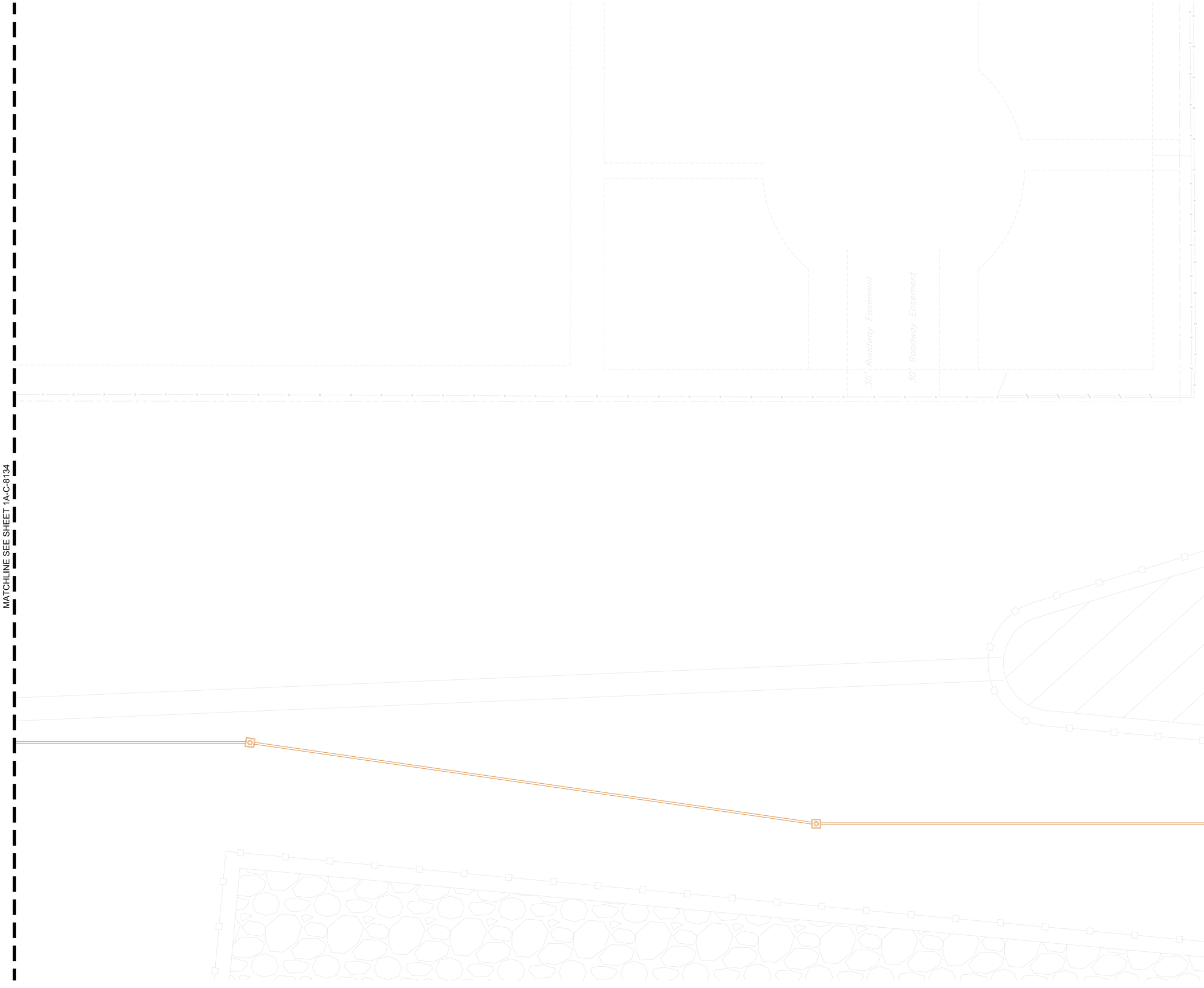
PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8133

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
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N

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SCALE IN FEET

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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION
0.1	2025/07/07	SPS 35% DESIGN
0.2	2025/08/18	SPS 65% DESIGN

DRAWN:
APPRV'D:

CYL1A
PROJECT ADDRESS:
TULSA COUNTY, OK
PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8134
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8143

PROPOSED DETENTION BASIN

MATCHLINE SEE SHEET 1A-C-8134

MATCHLINE SEE SHEET 1A-C-8136

MATCHLINE SEE SHEET 1A-C-8127

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
- TYPE 1 SECURITY FENCE
- TYPE 2 SECURITY FENCE
- TEMPORARY SECURITY FENCE
- TELECOM FIBER TRENCH BOX (FTB)
- TELECOM CABLE VAULT CV-5 (10'X10'X14')
- TELECOM CABLE VAULT CV-2 (5' X 5' X 7')
- TELECOM HANDHOLE (HH)
- TELECOM DUCTBANK
- TELECOM TRENCH
- ELECTRIC TRENCH
- ELECTRIC MANHOLE (EMH)
- TRENCH W/ CONCRETE BUFFER (TRAFFIC RATED) LIDS
- DISTRIBUTION TEE (T)
- DOMESTIC WATER (DW)
- FIRE WATER (FW)
- PROCESS WATER (PW)
- BEND (BD) OR DEFLECTION
- GATE VALVE (W V)
- DISTRIBUTION TEE (T)
- FIRE HYDRANT (HYD)
- UTILITY SERVICE CAP (CAP)
- REDUCER (RC)
- HDPE
- RCP
- MANHOLE
- JUNCTION BOX
- CURB INLET
- AREA INLET
- CONTAINMENT ISOLATION VALVE
- TRENCH DRAIN
- WYE INLET
- SANITARY SEWER (SS)
- PROCESS SEWER (PS)
- MANHOLE (MH)
- CLEANOUT (CO)
- BOX (BX)

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N

0' 10' 20' 40'
SCALE IN FEET

C:\ACCVACCDocs\Kimley-Horn\060057900_CYL\Project Files\00_Civil\SPS\03_Production-DWGS\CYL-1A-C-8125 COMPOSITE UTILITES PLAN 6/24/2025 5:25 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
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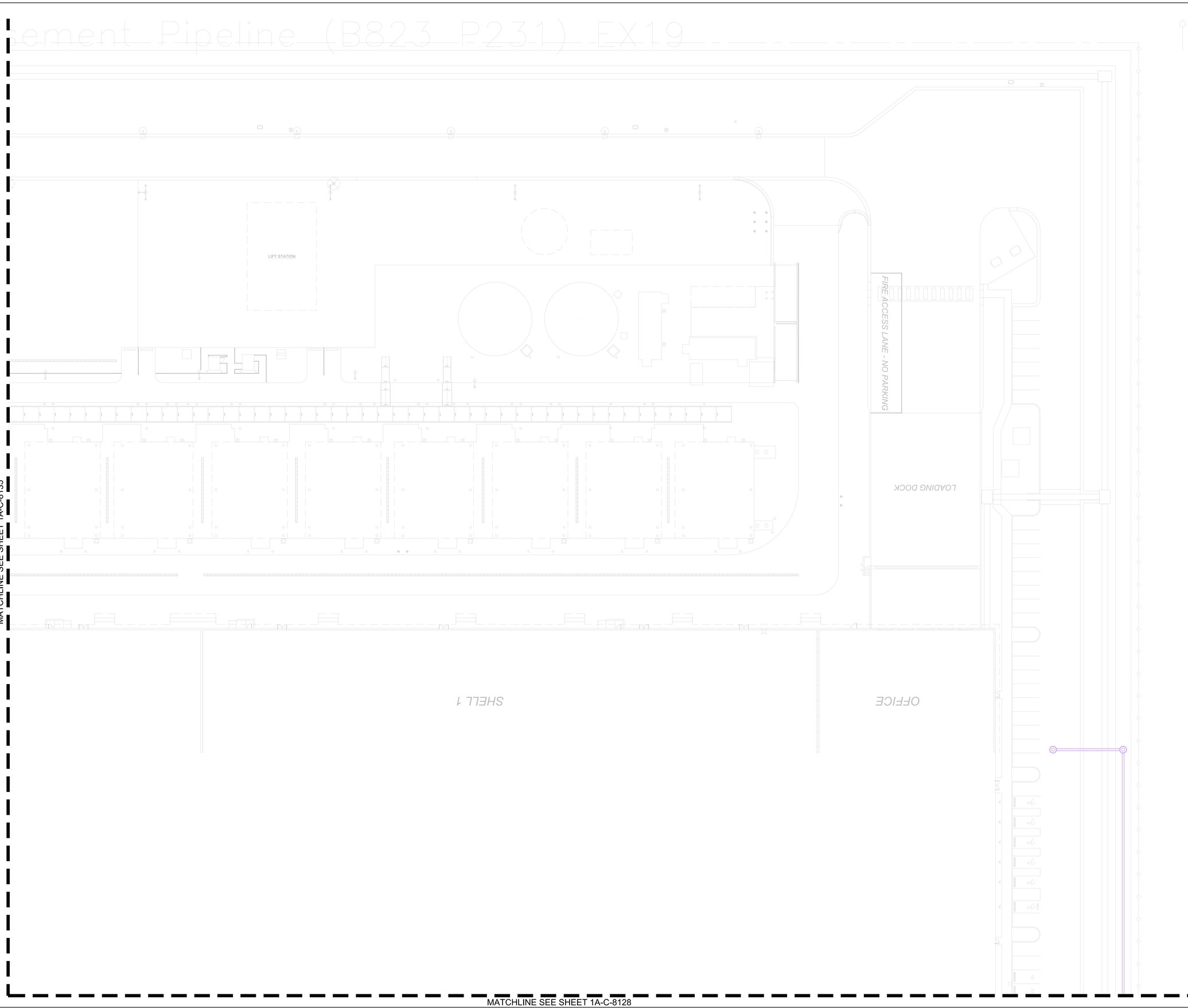
SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8135

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



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LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- BARRIER CURB
- MOUNTABLE CURB AND GUTTER
- CURB AND GUTTER
- FIRE LANE STRIPING
- GROUNDING GRID
- 4' BOUNDARY FENCE
- SAFETY FENCE
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2025-08-18

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CYL1A

PROJECT ADDRESS:
TULSA COUNTY, OK

PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8136

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-8145

MATCHLINE SEE SHEET 1A-C-8136

MATCHLINE SEE SHEET 1A-C-8129

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PROJ. NO.: 10434525

COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-8137

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

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COMPOSITE UTILITES PLAN

SCALE: AS SHOWN

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1A-C-8143

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

GENERAL NOTES:

1. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
2. THE CONTRACTOR BEARS ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY NOT SHOWN ON PLANS.
3. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNER'S SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
4. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PIERS, FOOTINGS, AND WALLS ARE TO BE SURVEYED, LAID OUT, AND STAKED IN FIELD FOR REVIEW BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEMOLITION, ADJUSTMENTS, OR RECONSTRUCTION RESULTING FROM UNAUTHORIZED CONSTRUCTION ACTIVITIES.
5. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY LANDSCAPE ARCHITECT ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTORS ARE TO BID THEIR OWN VERIFIED QUANTITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
6. EASEMENTS SETBACKS, BUILDING, CURB AND GUTTER, UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL ENGINEERS DRAWINGS FOR ADDITIONAL INFORMATION.

PLANTING NOTES:

1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
3. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
5. FINAL FINISH GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING.
6. ALL PLANT QUANTITIES LISTED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE AND VERIFY ALL QUANTITIES.
7. LANDSCAPE CONTRACTOR TO PROVIDE STEEL EDGING (REFER TO MATERIALS PAGE) BETWEEN ALL PLANTING BEDS AND LAWN AREAS.
8. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK. LATEST EDITION AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ANY PLANT SUBSTITUTION SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE.
9. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
10. ALL NEW PLANTING AREAS TO BE AMENDED PER SPECIFICATIONS.
11. ANY PLANT MATERIAL THAT DOES NOT SURVIVE SHALL BE REPLACED WITH AN EQUIVALENT SIZE AND SPECIES WITHIN THIRTY (30) DAYS.
12. PLANT MATERIAL SHALL BE PRUNED AS NECESSARY TO CONTROL SIZE BUT NOT TO DISRUPT THE NATURAL GROWTH PATTERN OR CHARACTERISTIC FORM OF THE PLANT EXCEPT AS NECESSARY TO ACHIEVE HEIGHT CLEARANCE FOR VISIBILITY AND PEDESTRIAN PASSAGE OR TO ACHIEVE A CONTINUOUS OPAQUE HEDGE IF REQUIRED.
13. LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH, WEEDS, DEBRIS, AND DEAD PLANT MATERIAL.
14. ALL LIME STABILIZED SOIL & INORGANIC SELECT FILL FOR BUILDING SHOULD BE REMOVED FROM PLANTING AREAS TO A DEPTH OF 24" & REPLACED WITH ORGANIC IMPORTED TOPSOIL FILL.
15. TREES OVERHANGING PEDESTRIAN WALKWAYS AND PARKING SHALL HAVE 7' CLEAR TRUNK HEIGHT TO MEET ACCESSIBILITY REQUIREMENTS. TREES OVERHANGING PUBLIC STREETS AND FIRE LANE SHALL HAVE A 14' MIN. CLEAR TRUNK HEIGHT.
16. CONTRACTOR TO PROVIDE 12 MONTH WARRANTY AFTER FINAL ACCEPTANCE.
17. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY (NOT ALREADY INCLUDED IN PLANTING PLANS) TO BE FINE GRADED, AND PLANTED WITH PLANTED WITH PLANTS OR SOD TO MATCH EXISTING CONDITIONS.

IRRIGATION PERFORMANCE SPECS

CITY NOTES

1. THE CONTRACTOR SHALL SUPPLY AN AUTOMATIC IRRIGATION SYSTEM TO COVER ALL LANDSCAPE AREAS WITHIN THE SITE INCLUDING TREES, SHRUBS, AND OTHER PLANTINGS.
2. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THE PROPOSED CONNECTION POINT TO THE CITY'S SYSTEM AND SHALL COORDINATE WITH THE CITY FOR THE IRRIGATION METER SIZING, PAYMENT, AND INSTALLATION.

OVERALL IRRIGATION NOTES

1. IRRIGATION SYSTEM SHALL PROVIDE 100% COVERAGE FOR ALL LANDSCAPE AREAS
2. AUTOMATIC IRRIGATION CONTROLLER IS REQUIRED
3. MASTER CONTROL VALVE TO BE INSTALLED
4. RAIN SENSOR TO BE INSTALLED
5. FLOW SENSOR TO BE INSTALLED
6. ELECTRIC SHALL BE PROVIDED TO IRRIGATION CONTROLLER AND SOURCE WHERE NEEDED (PUMP SYSTEM)
7. SLEEVES SHALL BE SCHEDULE 40, AND SHALL EXTEND 12" BEYOND EDGE OF ALL PAVEMENT
8. CONTROLLER TO BE PLACED OUTDOORS

SPECIFIC PRODUCT INFORMATION

1. ALL SOD AREAS TO BE IRRIGATED WITH MP ROTATORS
2. ALL SHRUBS AND GROUNDCOVER TO BE IRRIGATED WITH DRIPLINE
3. ALL TREES TO BE IRRIGATED WITH BUBBLERS

IRRIGATION REQUIREMENTS:

CONTRACTOR TO PROVIDE IRRIGATION SYSTEM AS NOTED BELOW:

SOD - HUNTER MP ROTARY NOZZLES SPACED ACCORDING TO DEPTH OF SOD WITH HEAD TO HEAD SPACING. HEADS TO BE ADJUSTED TO NOT OVERSPRAY INTO ROAD. DRIPLINE TO BE PLACED IN ALL AREAS LESS THAN 4' WIDTH. ALL DRIPLINE TO BE PLACED ON SEPARATE ZONES.

TREES - ONE BUBBLER PER TREE. BUBBLERS TO BE ON SEPARATE ZONE FROM SOD.

SHRUBS / GROUNDCOVER- NETAFIM DRIPLINE TO BE PLACED TO PROVIDE FULL COVERAGE OF MATERIAL. PLACE DRIP ON SEPARATE ZONE (DRIPLINE FOR SHRUBS & SOD SHOULD NOT BE COMBINED ON ONE ZONE-ALL SHRUBS TO BE IRRIGATED SEPARATE FROM SOD

ACCESSIBILITY NOTES:

1. TREES PLANTED ADJACENT TO ACCESSIBLE ROUTES AND ACCESSIBLE AREAS SHALL BE PRUNED TO PROVIDE CLEARANCE OF 80" AFF.
2. IF PAVING HAS IRREGULAR PATTERN PROVIDED, JOINTS EXCEEDING MAX. 1/4" W, SHALL BE "FLUSH" WITH PAVING SURFACE MATERIAL

MATERIAL LEGEND:

AGGREGATES

AG-1 — DECORATIVE GRAVEL

TYPE:	CRUSHED GRAVEL
COLOR:	TEJAS BLACK GRAVEL
SIZE:	2-3" SIZE, 4" DEPTH
INSTALL:	REFER TO DETAILS
SUPPLIER:	DFW STONE SUPPLY, OR APPROVED EQUAL
CONTACT:	(972.310.1234)
APPROVAL:	***SAMPLE, MOCKUP***

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
TREES						
	-Existing Tree To Remain- / Existing Tree To Remain	-		Existing	170	
	American Elm / Ulmus americana	15 gal	8`-10` ht	As Shown	84	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELINE
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'	15 gal	8`-10` ht	As Shown	86	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
	Shumard Oak / Quercus shumardii	4" cal	12`-14` ht	As Shown	86	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
	Sweet Gum / Liquidambar styraciflua	15 gal	8`-10` ht	As Shown	86	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
ORNAMENTAL TREES						
	Rocky Mountain Juniper / Juniperus scopulorum	15 gal	8`-10` ht	As Shown	12	CONTAINER, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED
SHRUBS						
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'	3 gal	24" h x 18" w	30" OC	33	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'	3 gal	18" h X 18" w	24" OC	54	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
GROUND COVERS						
	Bermuda grass / Cynodon dactylon	sod			268,045 sf	SOD TO HAVE TIGHT, SAND FILLED JOINTS AND BE FREE OF WEEDS
	Detention Basin Seed Mix / Seed	seed			3,797,218 sf	
	Mexican Feather Grass / Nassella tenuissima	1 gal	12" h x 12" w	18" o.c.	187	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'	1 gal	8"h x 8"w	18" o.c.	284	

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT, SPREAD, AND CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

CODE CHART

CYL INDUSTRIAL SPS
TULSA, OKLAHOMA

SITE DATA	AC	SF
Zoning	AG - IL - PUD 871	
Total Site Area	32.15	1,400,511
Parking Spaces	119	
LANDSCAPE REQUIREMENTS	**Required**	**Provided**
Bufferyard		
E 76th St 3,920 ft length / 20 ft per canopy tree	196	196
E 86th St 3,897ft length / 20 ft per canopy tree	195	195
N Yale Ave 1,075 ft length / 20 ft per canopy tree	54	54
S boundary of Westgate Addition 1,324 ft length / 20 ft per canopy tree *	66	66
W boundary N of electrical ROW 2,592 ft length / 20 ft per canopy tree	130	130
W boundary S of electrical ROW 1,397 ft length / 20 ft per canopy tree	70	70

GENERAL

- CENTER LINE
- LIMIT OF WORK (L.O.W.)
- MATCHLINE (MATCHLINE L2.XX / MATCHLINE L2.XX)

K:\MKN_LALP_projects\060007903 - cyl.industrial\CAD\Sheets\SPS\CYL-1A-L-9100 GENERAL NOTES & MATERIALS LEGEND 8/15/2025 9:43 AM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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STRUCTURE:
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DENVER, CO 80202
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MEP:
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DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

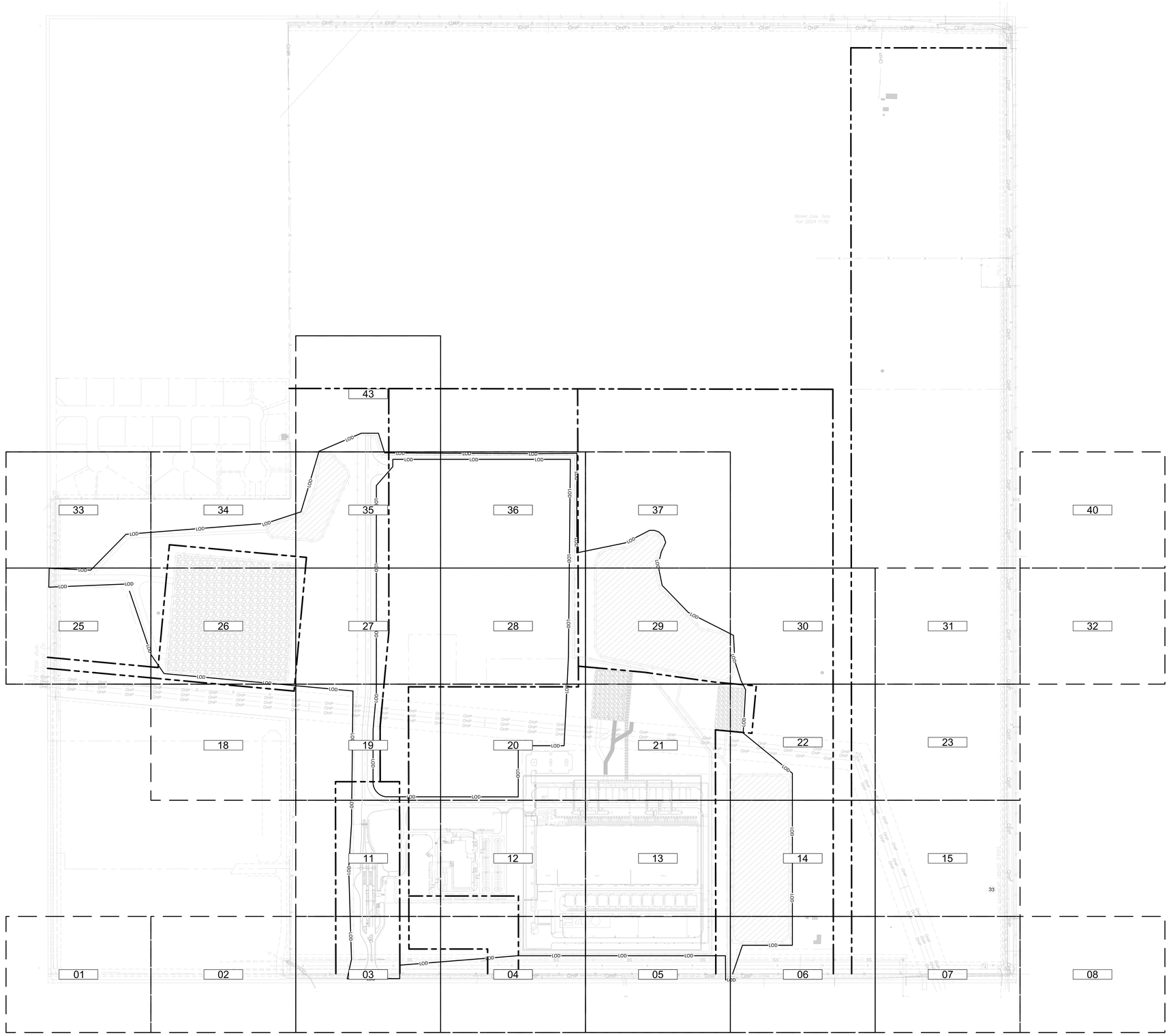
NO.	DATE	DESCRIPTION

DRAWN: AEA
APPRV'D: AMH

CYL1A
PROJECT ADDRESS: CONFIDENTIAL
PROJ. NO.: 060057900

GENERAL NOTES & MATERIALS LEGEND
SCALE: AS SHOWN

SHEET NUMBER: 1A-C-9000
PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



N

0' 100' 200' 400'
SCALE IN FEET

K:\MKN_LALP_projects\060057903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9000 LANDSCAPE PLAN - OVERALL 8/13/2025 11:16 AM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE OVERALL PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9100

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

NO LANDSCAPE WORK ON THIS SHEET

Caddo Southern Sugar Maple

Sweet Gum

American Elm

Shumard Oak

50' LANDSCAPE BUFFER

EXISTING DRIVEWAY EASEMENT

EXISTING 17.5' SANITARY SEWER EASEMENT

EXISTING 10' UTILITY EASEMENT

LIMIT OF WORK

EXISTING SANITARY SEWER

EXISTING 40' WATERLINE EASEMENT

EXISTING 50' ROW EASEMENT

25' TEMPORARY EASEMENT

25' UTILITY EASEMENT

EXISTING TELECOM

EXISTING 10' RWD EASEMENT

16.5' STATUTORY R.O.W.

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9102

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

CONCRETE PAVING, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

SEED

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

SEED

EXISTING 40' WATERLINE EASEMENT

100' LANDSCAPE BUFFER

CONCRETE PAVING, REF. CIVIL PLANS

SIDEWALK, REF. CIVIL PLANS

PROPOSED MAIN ENTRANCE

AGGREGATE STRIP, 5'-0" WIDTH AT GATE ENTRANCE

AGGREGATE

AGGREGATE STRIP, 5'-0" WIDTH AT GATE ENTRANCE

EXISTING 25' TEMPORARY EASEMENT FOR SANITARY CONST.

Sweet Gum

Rocky Mountain Juniper

Caddo Southern Sugar Maple

Sweet Gum

EXISTING 20' SANITARY EASEMENT

PROPERTYLINE / LIMIT OF WORK

PROPERTYLINE / LIMIT OF WORK

4' DRAINAGE AND UTILITY EASEMENT

EXISTING 48" STORM SEWER

EXISTING 10' RWD EASEMENT

EXISTING 50' ROW EASEMENT

25' TEMPORARY EASEMENT

16.5' STATUTORY R.O.W.

E. 76th St. N.

MATCHLINE SEE SHEET ##-#-1

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'
SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl.industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE: HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	STRUCTURE: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	MEP: HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	CIVIL: Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9103

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

SEED

SEED

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

SOD

RETAINING WALL, REF. CIVIL PLANS

SIDEWALK, REF. CIVIL PLANS

FIRE ACCESS LANE

DUMPSTER PAD, REF. CIVIL PLANS

PROPERTY LINE

PROPERTY LINE

100' LANDSCAPE BUFFER

EXISTING 25' SANITARY EASEMENT

Rocky Mountain Juniper

Caddo Southern Sugar Maple

Sweet Gum

25' TEMPORARY EASEMENT

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

EXISTING 40' WATERLINE EASEMENT

EXISTING 20' SANITARY EASEMENT

PROPERTYLINE / LIMIT OF WORK

American Elm

Shumard Oak

EXISTING 10' RWD EASEMENT

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

N

0' 10' 20' 40'
SCALE IN FEET

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'
SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
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TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9104

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

PROPERTY LINE

PROPERTY LINE

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

SEED

SEED

SEED

SEED

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

100' LANDSCAPE BUFFER

Sweet Gum

Rocky Mountain Juniper

EXISTING 25' SANITARY EASEMENT

25' TEMPORARY EASEMENT

EXISTING 40' WATERLINE EASEMENT

PROPERTYLINE / LIMIT OF WORK

Caddo Southern Sugar Maple

Shumard Oak

American Elm

EXISTING 50' ROW EASEMENT

EXISTING 10' RWD EASEMENT

16.5' STATUTORY R.O.W.

EXISTING TELECOM

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'
SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9105

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

DETENTION BASIN

CHAINLINK FENCE AND GATE,
REF. CIVIL PLANS

CHAINLINK FENCE AND GATE,
REF. CIVIL PLANS

PERIMETER FENCE,
REF. CIVIL PLANS

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

100' LANDSCAPE BUFFER

EXISTING 25' SANITARY EASEMENT

25' TEMPORARY EASEMENT

Rocky Mountain Juniper

Sweet Gum

Caddo Southern Sugar Maple

American Elm

Shumard Oak

Rocky Mountain Juniper

EXISTING 40' WATERLINE EASEMENT

PROPERTYLINE / LIMIT OF WORK

Caddo Southern Sugar Maple

Sweet Gum

American Elm

Shumard Oak

EXISTING 10' RWD
EASEMENT

EXISTING 50' ROW EASEMENT

16.5' STATUTORY R.O.W.

MATCHLINE SEE SHEET ##-#-1

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl.industrial\CAD\Sheets\SPS\CYL-1A-L-9106 LANDSCAPE PLAN 8/13/2025 12:39 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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Ph. (763) 591-5400

STRUCTURE:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

MEP:
HDR Engineering, Inc.
1670 BROADWAY
DENVER, CO 80202
Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9106

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

SEED

PERIMETER FENCE,
REF. CIVIL PLANS

PROPERTYLINE

SEED

PERIMETER FENCE,
REF. CIVIL PLANS

SIDEWALK, REF. CIVIL
PLANS

CONCRETE PAVING,
REF. CIVIL PLANS

PROPERTYLINE

SOD

GUARD
SHACK

PERIMETER FENCE,
REF. CIVIL PLANS

CONCRETE PAVING,
REF. CIVIL PLANS

PERIMETER FENCE,
REF. CIVIL PLANS

PARKING

CONCRETE PAVING,
REF. CIVIL PLANS

PERIMETER FENCE,
REF. CIVIL PLANS

EXIT LANE

LANE 2

LANE 1

PROPERTYLINE

SEED

LIMIT OF WORK

PROPERTYLINE

LIMIT OF WORK

SOD

GRAVEL SECURITY ACCESS
PATH, REF. CIVIL PLANS

PERIMETER FENCE,
REF. CIVIL PLANS

LIMIT OF WORK

STOP

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#--8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
HDR Architecture, Inc. 1601 UTICA AVE. SOUTH SUITE 600 ST. LOUIS PARK, MN 55416 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	HDR Engineering, Inc. 1670 BROADWAY DENVER, CO 80202 Ph. (763) 591-5400	Kimley-Horn Associates, Inc. 1437 S BOULDER AVE. TULSA, OK 74119 Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9111

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

PROPERTYLINE

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

SEED

LIMIT OF WORK

CROSS WALK

CROSS WALK

CROSS WALK

SIDEWALK, REF.
CIVIL PLANS

REFERENCE HUB PLANS

MATCHLINE SEE SHEET ##-#-1

LIMIT OF WORK

SIDEWALK, REF.
CIVIL PLANS

2' CONCRETE
BAND, REF. CIVIL
PLANS

OFFICE

Shumard Oak

Dwarf Podocarpus

Soft Caress Mahonia

Caddo Southern Sugar Maple

Purple Wintercreeper

Mexican Feather Grass

SOD

AG-1 AGGREGATE

LOADING DOCK

ELECTRICAL
VAULTS, REF.
CIVIL PLANS

SIDEWALK, REF.
CIVIL PLANS

NO PARKING

SOD

LIMIT OF WORK

GRAVEL SECURITY ACCESS
PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF.
CIVIL PLANS

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#--8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

MATCHLINE SEE SHEET ##-#--8

ARCHITECTURE:
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CIVIL:
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Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9112

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

SHELL 1

SHELL 2

SEED

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

10' ACCESS ROAD, REF. CIVIL PLANS

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

PROPERTY LINE

PROPERTY LINE

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

MATCHLINE SEE SHEET ##-#-8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

MATCHLINE SEE SHEET ##-#-8

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9113

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

MATCHLINE SEE SHEET ##-#-1

DETENTION BASIN

CHAINLINK FENCE AND GATE,
REF. CIVIL PLANS

CHAINLINK FENCE AND GATE,
REF. CIVIL PLANS

150' GRAND RIVER DAM AUTHORITY EASEMENT

PROPERTY LINE

PROPERTY LINE

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

MATCHLINE SEE SHEET ##-#--8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9106 LANDSCAPE PLAN 8/13/2025 12:39 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9114

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

EXISTING 50' OVH POWER LINE EASEMENT

PERIMETER FENCE,
REF. CIVIL PLANS

150' GRAND RIVER DAM AUTHORITY EASEMENT

PROPERTYLINE

PROPERTYLINE

PERIMETER FENCE,
REF. CIVIL PLANS

SEED

SEED

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LA\Pl_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

MATCHLINE SEE SHEET ##-#-8

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9119

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

EXISTING 50' OVH POWER LINE EASEMENT

150' GRAND RIVER DAM AUTHORITY EASEMENT

PROPERTYLINE

PROPERTYLINE

American Elm

American Elm

CROSS WALK

SEED

SEED

SEED

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

MATCHLINE SEE SHEET ##-#--8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9120

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

PERUN FENCE, REF. CIVIL PLANS

PERUN AREA, REF. CIVIL PLANS

PROPERTYLINE

PROPERTYLINE

PROPOSED TEMPORARY SUBSTATION

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

150' GRAND RIVER DAM AUTHORITY EASEMENT

EXISTING 50' OVH POWER LINE EASEMENT

TEMPORARY GRAVEL ROAD TO THE TEMPORARY SUBSTATION

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

SEED

SEED

TEMPORARY GRAVEL ROAD, REF. CIVIL PLANS

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-1

MATCHLINE SEE SHEET ##-#-8

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9101 LANDSCAPE PLAN 8/13/2025 12:17 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9121

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET ##-#-8

PROPOSED TEMPORARY SUBSTATION

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

MATCHLINE SEE SHEET ##-#-1

SEED

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

DETENTION BASIN

150' GRAND RIVER DAM AUTHORITY EASEMENT

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET ##-#-8

K:\MKN_LALP_projects\060007903 - cyl.Industrial\CAD\Sheets\SPS\CYL-1A-L-9106 LANDSCAPE PLAN 8/13/2025 12:39 PM

ARCHITECTURE:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9122

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2133

PROPERTY LINE / LIMIT OF WORK

-Existing Tree To Remain-
Caddo Southern Sugar Maple
Sweet Gum
150' LANDSCAPE BUFFER
Shumard Oak
American Elm

NOTE:
EROSION CONTROL BLANKETS
FOR ALL 4:1 SLOPES OR
GREATER,
AND
OVERSEED WITH ANNUAL RYE

PROPERTYLINE

PROPERTYLINE

MATCHLINE SEE SHEET 1A-C-2126

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9125 LANDSCAPE PLAN 8/13/2025 3:08 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
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2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA
APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9125

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2134

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

PROPERTY LINE

SEED

PROPOSED SUBSTATION

MATCHLINE SEE SHEET 1A-C-2125

MATCHLINE SEE SHEET 1A-C-2127

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

SEED

PROPERTYLINE

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA
APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9126

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2135

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

PROPERTYLINE

SEED

PERIMETER FENCE, REF. CIVIL PLANS

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

MATCHLINE SEE SHEET 1A-C-2126

MATCHLINE SEE SHEET 1A-C-2128

MATCHLINE SEE SHEET 1A-C-2119

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9125 LANDSCAPE PLAN 8/13/2025 3:08 PM

ARCHITECTURE:	STRUCTURE:	MEP:	CIVIL:
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CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9127

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2136

MATCHLINE SEE SHEET 1A-C-2127

MATCHLINE SEE SHEET 1A-C-2129

MATCHLINE SEE SHEET 1A-C-2120

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

PROPERTYLINE

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

SEED

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALP_projects\060007903 - cyl industrial\CAD\Sheets\SPS\CYL-1A-L-9125 LANDSCAPE PLAN 8/13/2025 3:08 PM

ARCHITECTURE:
HDR Architecture, Inc.
1601 UTICA AVE. SOUTH
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55416
Ph. (763) 591-5400

STRUCTURE:
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MEP:
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Ph. (763) 591-5400

CIVIL:
Kimley-Horn Associates, Inc.
1437 S BOULDER AVE.
TULSA, OK 74119
Ph. (918) 380-8868

CYL1A (E3 Drawing Set)
(NOT FOR CONSTRUCTION)
2025-08-18

KEYPLAN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWN: AEA

APPRV'D: AMH

CYL1A

PROJECT ADDRESS:
CONFIDENTIAL

PROJ. NO.: 060057900

LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9128

PAPER SIZE: E (36"x48")
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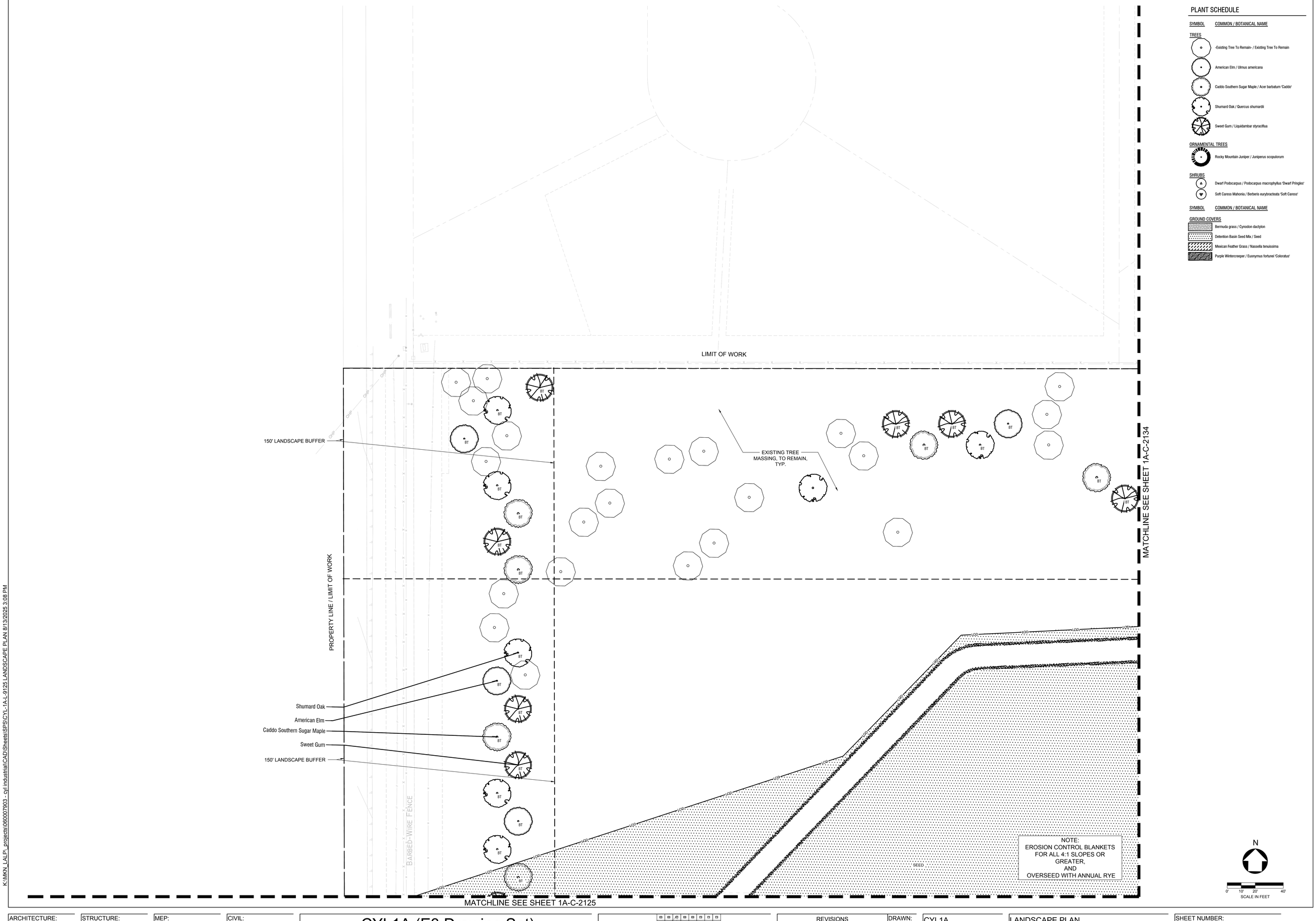

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
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	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
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	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
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CYL1A

PROJECT ADDRESS:
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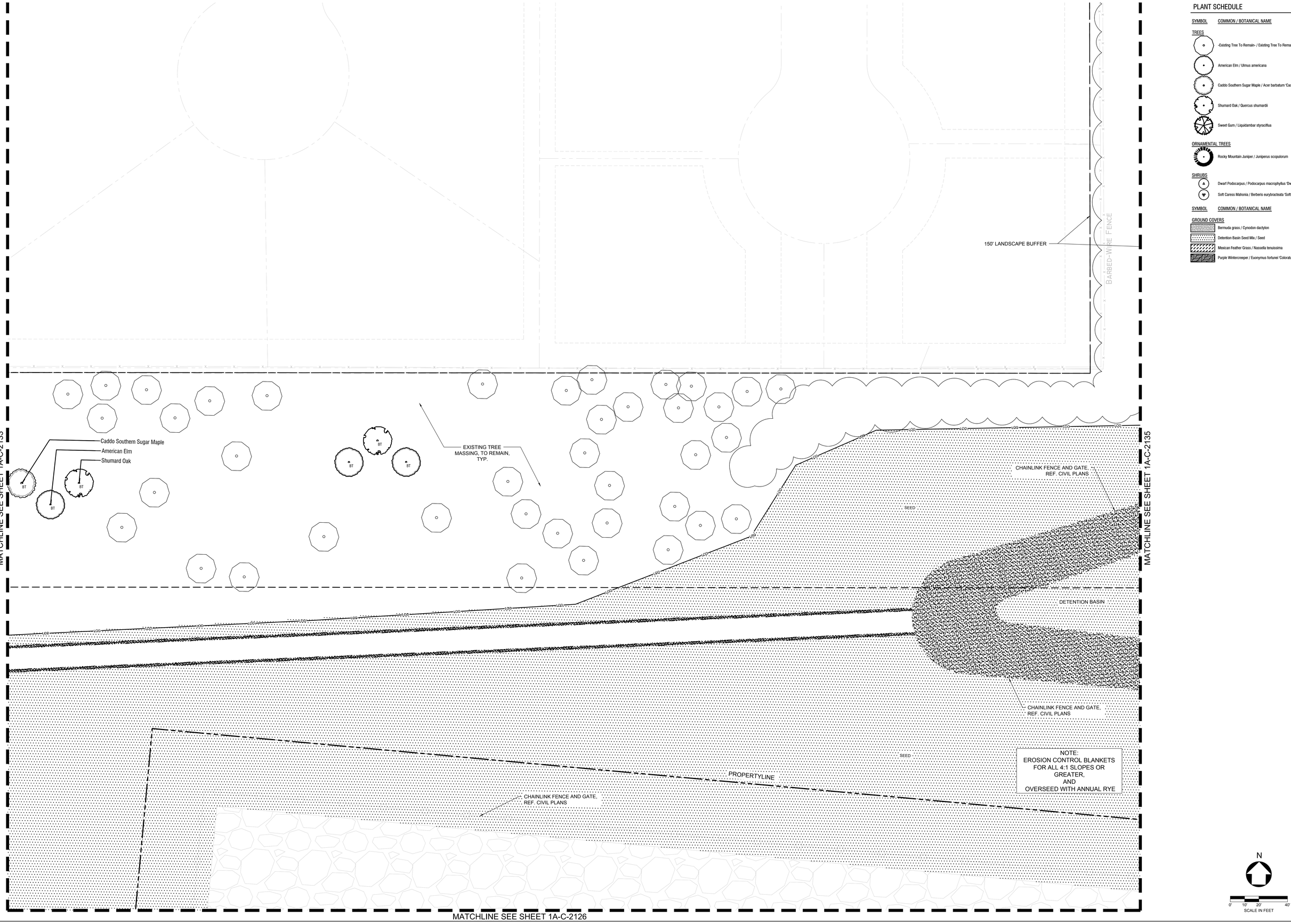
LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9133

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN



PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
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	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
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SYMBOL	COMMON / BOTANICAL NAME
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	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

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SCALE: AS SHOWN

SHEET NUMBER:
1A-C-9134

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

MATCHLINE SEE SHEET 1A-C-2143

MATCHLINE SEE SHEET 1A-C-2134

MATCHLINE SEE SHEET 1A-C-2136

MATCHLINE SEE SHEET 1A-C-2127

PROPERTYLINE

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

DETENTION BASIN

SEED

PERIMETER FENCE, REF. CIVIL PLANS

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

CHAINLINK FENCE AND GATE, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

PROPERTYLINE

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
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	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
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	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
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	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'
SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
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	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

N

0' 10' 20' 40'
SCALE IN FEET

K:\MKN_LALPL projects\060007903 - cyl Industrial\CAD\Sheets\SPS\CYL-1A-L-9125 LANDSCAPE PLAN 8/13/2025 3:08 PM

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LANDSCAPE PLAN

SCALE: AS SHOWN

SHEET NUMBER:
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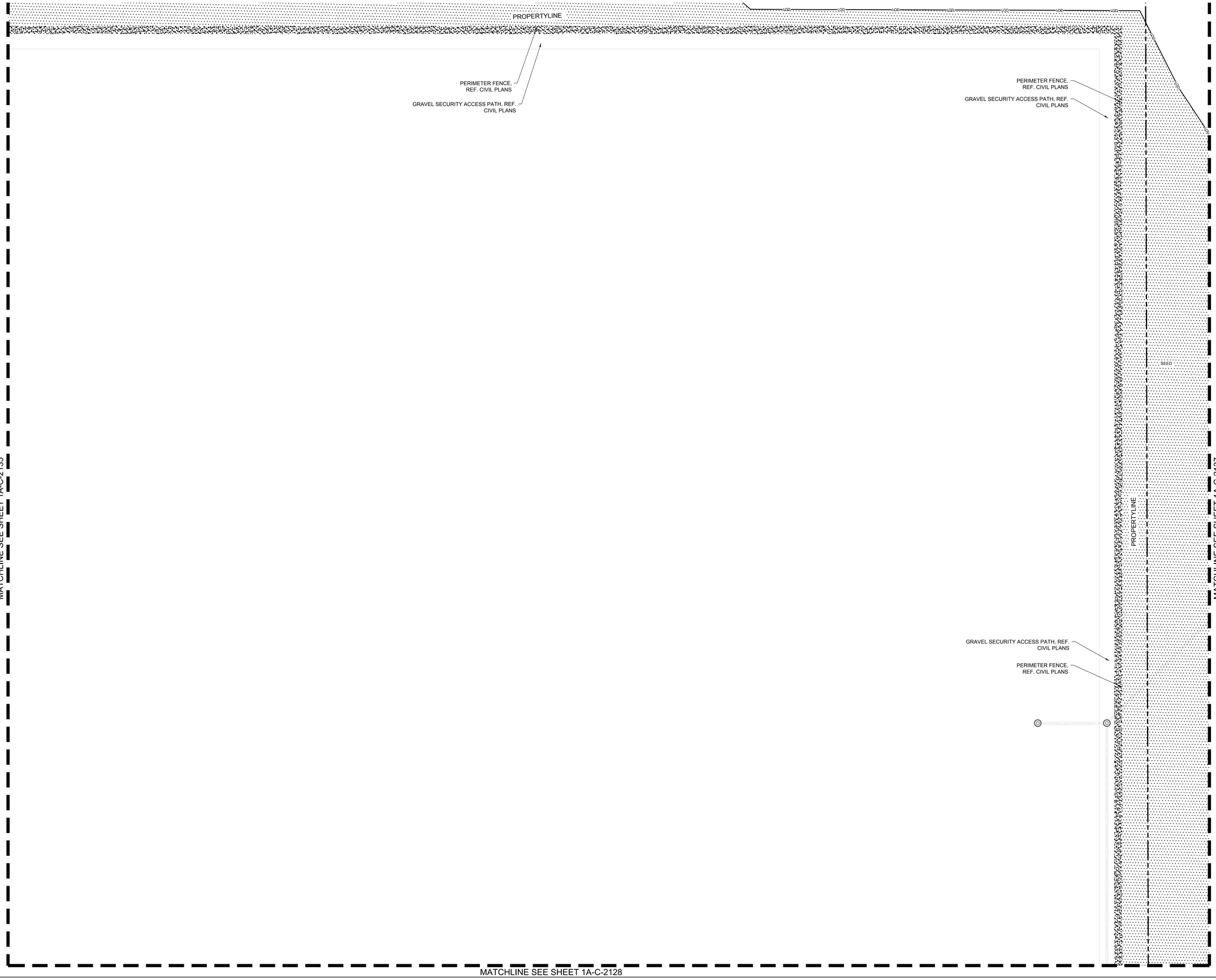

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
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ORNAMENTAL TREES	
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SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
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	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

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LANDSCAPE PLAN

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1A-C-9136

PAPER SIZE: E (36"x48")
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PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	-Existing Tree To Remain- / Existing Tree To Remain
	American Elm / Ulmus americana
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'
	Shumard Oak / Quercus shumardii
	Sweet Gum / Liquidambar styraciflua
ORNAMENTAL TREES	
	Rocky Mountain Juniper / Juniperus scopulorum
SHRUBS	
	Dwarf Podocarpus / Podocarpus macrophyllus 'Dwarf Pringles'
	Soft Caress Mahonia / Berberis eurybracteata 'Soft Caress'

SYMBOL	COMMON / BOTANICAL NAME
GROUND COVERS	
	Bermuda grass / Cynodon dactylon
	Detention Basin Seed Mix / Seed
	Mexican Feather Grass / Nassella tenuissima
	Purple Wintercreeper / Euonymus fortunei 'Coloratus'

PROPERTYLINE

PERIMETER FENCE, REF. CIVIL PLANS

PERIMETER FENCE, REF. CIVIL PLANS

GRAVEL SECURITY ACCESS PATH, REF. CIVIL PLANS

CONTRACTOR TO SEED ALL DISTURBED AREAS UNTIL ESTABLISHMENT, TYP.

100

SEED

NOTE:
EROSION CONTROL BLANKETS FOR ALL 4:1 SLOPES OR GREATER,
AND
OVERSEED WITH ANNUAL RYE

N

0' 10' 20' 40'
SCALE IN FEET

MATCHLINE SEE SHEET 1A-C-2135

K:\MKN_LALP_projects\060007903 - cyl.industrial\CAD\Sheets\SPS\CYL-1A-L-9125 LANDSCAPE PLAN 8/13/2025 3:08 PM

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LANDSCAPE PLAN

SCALE: AS SHOWN

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1A-C-9143

PAPER SIZE: E (36"x48")
PHASE: SPS 65% DESIGN

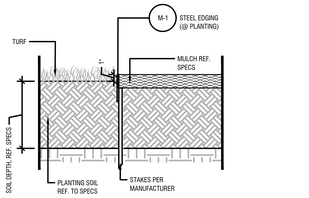
PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
TREES						
	-Existing Tree To Remain- / Existing Tree To Remain	-		Existing	170	
	American Elm / Ulmus americana	15 gal	8` -10` ht	As Shown	82	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELINE
	Caddo Southern Sugar Maple / Acer barbatum 'Caddo'	15 gal	8` -10` ht	As Shown	84	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
	Shumard Oak / Quercus shumardii	15 gal	8` -10` ht	As Shown	84	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
	Sweet Gum / Liquidambar styraciflua	15 gal	8` -10` ht	As Shown	86	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 7' CLEAR AT SIDEWALKS, 14' CLEAR AT FIRELANE
ORNAMENTAL TREES						
	Rocky Mountain Juniper / Juniperus scopulorum	15 gal	8` -10` ht	As Shown	12	CONTAINER, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED

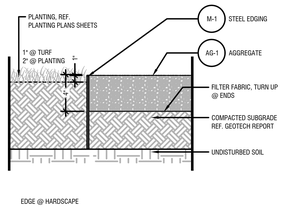
SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
GROUND COVERS						
	Bermuda grass / Cynodon dactylon	sod			258,274 sf	SOD TO HAVE TIGHT, SAND FILLED JOINTS AND BE FREE OF WEEDS
	Detention Basin Seed Mix / Seed	seed			3,761,324 sf	

LEGEND:
BT - BUFFER TREE

NOTE: PLANTS ARE SPECIFIED BY HEIGHT, SPREAD, AND CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.



EDGE @ PLANTING

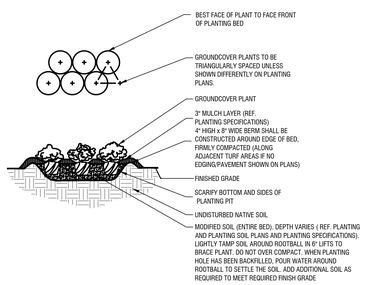


EDGE @ HARDSCAPE

Steel Edge

Scale: 1 1/2" = 1'-0"

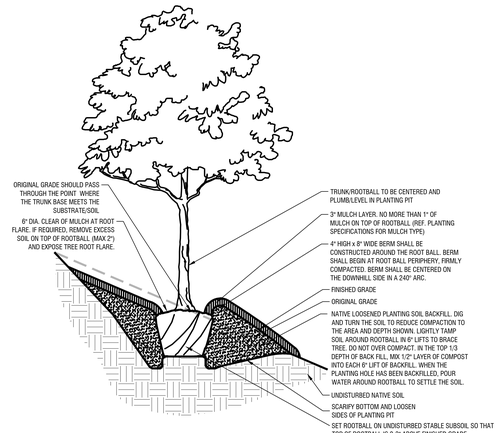
B



Typical Groundcover Planting

Scale: NTS

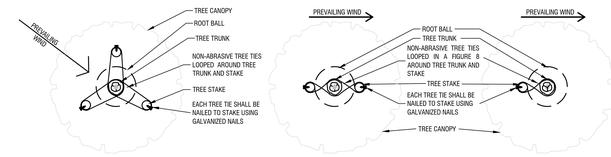
A



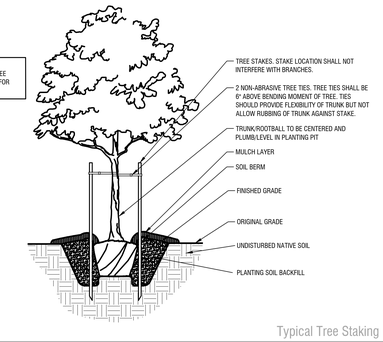
Tree Planting On 5-25% Slopes (20:1 to 4:1 Slopes)

Scale: NTS

D



NOTES:
1. THIS DETAIL IS FOR ABOVE GRADE TREE STAKING ONLY. REF. OTHER DETAILS FOR TYPICAL TREE PLANTING.

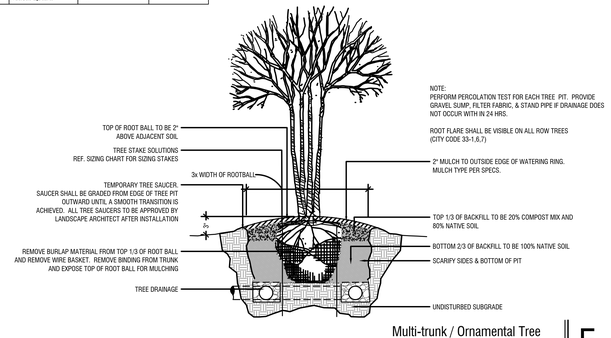


Typical Tree Staking

Scale: NTS

B

ROOT ANCHOR ITEM#	ROOT BALL & CONTAINER SIZE	ANCHOR INSTALLATION DEPTH	QUANTITY & ANCHOR SIZE
15-BG	10 / 15 Gallon or 1" / 1/2" cal ball	12 - 18" Minimum Depth	3 - V-ME Anchors
30-BG	20 / 30 Gallon or 2" cal ball	18 - 24" Minimum Depth	3 - V-ME Anchors
45/50-BG	45 / 65 Gallon or 2"-3" cal ball	24 - 30" Minimum Depth	3 - V-ME Anchors
100-BG	90 / 100 Gallon or 36" cal ball	30 - 36" Minimum Depth	3 - V-ME Anchors
150-BG	150 Gallon or 42" cal ball	48" Minimum Depth	3 - V-ME Anchors
200-BG	200 Gallon or 48" cal ball	48" Minimum Depth	3 - V-ME Anchors
300-BG	300 Gallon or 56" cal ball	48" Minimum Depth	3 - V-ME Anchors
CUSTOM-BG	Root Balls larger than 60"	TBD	



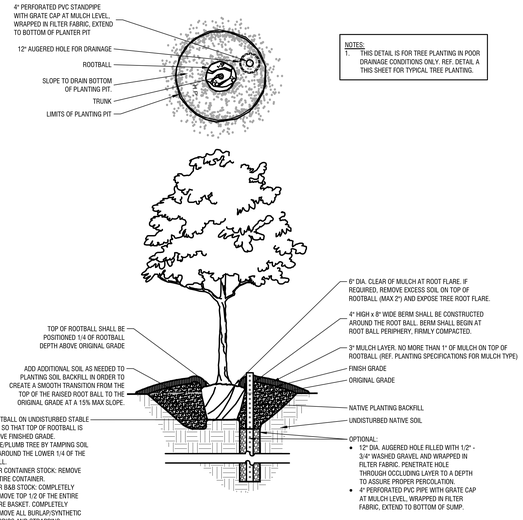
NOTE:
PERFORM PERCOLATION TEST FOR EACH TREE PIT. PROVIDE GRAVEL SUMP, FILTER FABRIC, & STAND PIPE IF DRAINAGE DOES NOT OCCUR WITH IN 24 HRS.

ROOT FLARE SHALL BE VISIBLE ON ALL ROW TREES (CITY CODE 33-1.6,7)

Multi-trunk / Ornamental Tree

Scale: 1/2" = 1'-0"

E

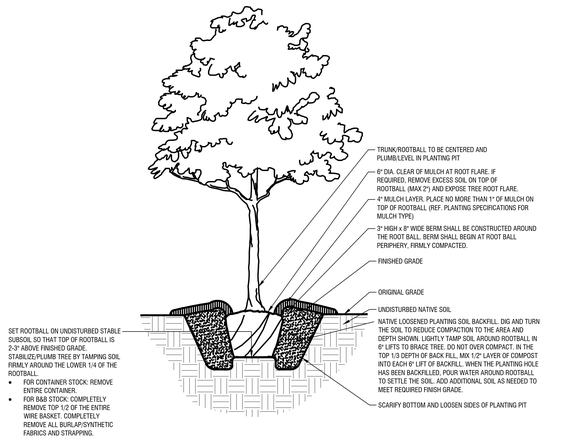


NOTES:
1. THIS DETAIL IS FOR TREE PLANTING IN POOR DRAINAGE CONDITIONS ONLY. REF. DETAIL A THIS SHEET FOR TYPICAL TREE PLANTING.

Tree Planting (Poor Drainage Condition)

Scale: NTS

C



Typical Tree Planting (Up to 3" Caliper)

Scale: NTS

A

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KEYPLAN

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DRAWN:

APPRV'D:

CYL1A

PROJECT ADDRESS:
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PROJ. NO.: 060057900

LANDSCAPE DETAILS

SCALE: AS SHOWN

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