CONSTRUCTION PLANS

FOR

MOUNTAIN HOME INDUSTRIAL

IN

BAXTER COUNTY, ARKANSAS

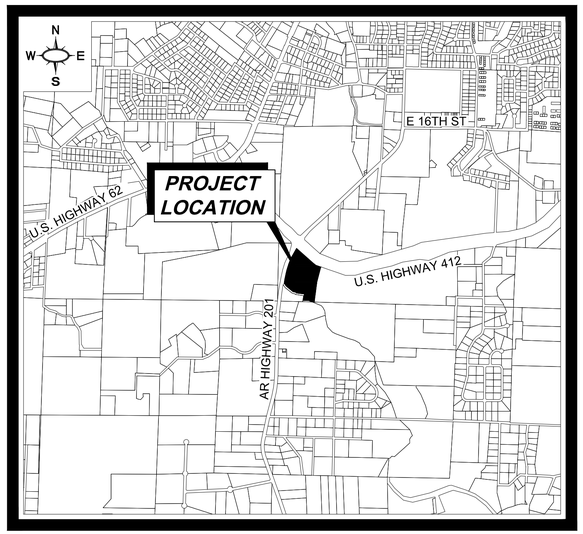
2354 AR-201, MOUNTAIN HOME, AR 72653

CITY PROJECT NO. XXXXXX

JULY 2026

PLANS SUBMITTAL/REVIEW LOG

1ST CITY SUBMITTAL - NOT FOR CONSTRUCTION	07/10/2026



VICINITY MAP

N.T.S.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C-1.0	COVER SHEET
C-1.1	KIMLEY-HORN GENERAL NOTES
C-2.0	DEMOLITION PLAN
C-3.0	PHASE 1 EROSION CONTROL PLAN
C-3.1	PHASE 2 EROSION CONTROL PLAN
C-3.2	EROSION CONTROL DETAILS
C-4.0	SITE KEYNOTE AND PAVING PLAN (1 OF 2)
C-4.1	SITE KEYNOTE AND PAVING PLAN (2 OF 2)
C-4.2	PAVING DETAILS
C-5.0	SIGNAGE AND STRIPING PLAN (1 OF 2)
C-5.1	SIGNAGE AND STRIPING PLAN (2 OF 2)
C-5.2	SIGNAGE AND STRIPING DETAILS (1 OF 6)
C-5.3	SIGNAGE AND STRIPING DETAILS (2 OF 6)
C-5.4	SIGNAGE AND STRIPING DETAILS (3 OF 6)
C-5.5	SIGNAGE AND STRIPING DETAILS (4 OF 6)
C-5.6	SIGNAGE AND STRIPING DETAILS (5 OF 6)
C-5.7	SIGNAGE AND STRIPING DETAILS (6 OF 6)
C-6.0	EXISTING DRAINAGE AREA MAP
C-6.1	PROPOSED DRAINAGE AREA MAP
C-7.0	GRADING PLAN (1 OF 2)
C-7.1	GRADING PLAN (2 OF 2)
C-7.2	DETENTION POND PLAN
C-7.3	DETENTION POND PROFILES
C-8.0	STORM PLAN (1 OF 2)
C-8.1	STORM PLAN (2 OF 2)
C-8.2	STORM PROFILES (1 OF 4)
C-8.3	STORM PROFILES (2 OF 4)
C-8.4	STORM PROFILES (3 OF 4)
C-8.5	STORM PROFILES (4 OF 4)
C-8.6	STORM CALCULATIONS
C-8.7	STORM DETAILS (1 OF 4)
C-8.8	STORM DETAILS (2 OF 4)
C-8.9	STORM DETAILS (3 OF 4)
C-8.10	STORM DETAILS (4 OF 4)
C-9.0	UTILITY PLAN (1 OF 2)
C-9.1	UTILITY PLAN (2 OF 2)
C-9.2	SANITARY SEWER PROFILE
C-9.3	WATER PROFILES
C-9.5	UTILITY DETAILS (1 OF 2)
C-9.6	UTILITY DETAILS (2 OF 2)
C-10.0	PUBLIC ROADWAY PLAN AND PROFILE BEGIN TO STA 4+50
C-10.1	PUBLIC ROADWAY PLAN AND PROFILE STA 4+50 TO END
C-10.2	ROADWAY TYPICAL SECTIONS
S0.01	STRUCTURAL GENERAL NOTES
S1.00	STRUCTURAL DETAILS
S1.01	STRUCTURAL DETAILS
L1.01	LANDSCAPE PLAN
L1.02	LANDSCAPE PLAN
L2.01	LANDSCAPE DETAILS
L2.02	LANDSCAPE DETAILS
L2.03	LANDSCAPE SPECIFICATIONS

ENGINEER:
Kimley-Horn and Associates, Inc.
1800 S. 52nd Street, Suite 201
Rogers, Arkansas 72758
Contact: Mary Salmonsen, P.E.
Phone: (479) 358-1321
Email: mary.salmonsen@kimley-horn.com

DEVELOPER:
TC Pursuit Services, Inc.
2121 N. Pearl Street, Suite 2000
Dallas, Texas 75201
Contact: David Freisner
Phone: (903) 268-1010
Email: dfreisner@trammellcrow.com

ARCHITECT:
CESO, Inc.
2020 N. Central Ave, Suite 980
Phoenix, Arizona 85004
Contact: Jacqueline Roman
Phone: (623) 352-8442
Email: jacqueline.roman@cesoinc.com

PREPARED BY:
Kimley»Horn
Firm Registration No. 51
Website: www.kimley-horn.com

811 Know what's below. Call before you dig.

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED BY JSOSSAMAN
PLOTTED BY JSOSSAMAN
DWG NAME
ITB = ON = AS=
7/9/2026 9:20 PM
HARDWAY, KYSON [TX/DSN] A.E.PM
M:\ROG\MOUNTAIN_HOME_INDUSTRIAL_CROW WY\1-1\4_DESIGN\CAD\PLANSHEETS
COVER SHEET.DWG - [COVER SHEET]

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

No.	REVISIONS	DATE	BY

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21244 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

COVER SHEET

SHEET NUMBER
C-1.0

KH GENERAL NOTES

OVERALL:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY 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 CITY (OR TOWN) "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. 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 THESE 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. IF 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 COMMENCING CONSTRUCTION OR STAKING OF 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 IMMEDIATELY BROUGHT TO THE ATTENTION OF THE 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 CITY AND OWNER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, 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 CONTINUING 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. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
13. CONTRACTOR SHALL CALL ARKANSAS 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 AND 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 EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SUCH 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 IN THE PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL OR 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 ANY 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 ASSUMES NO LIABILITY FOR UTILITIES DAMAGED, MOVED OR DISTURBED BECAUSE OF THE OPERATIONS IN THE VICINITY OF 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 PRIOR TO 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 SYSTEM.
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, APPROVALS, AND BONDS 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 CITY 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 CITY INSPECTIONS.
27. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
28. ALL SYMBOLS SHOWN ON THESE PLANS (E.G. 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 CITY 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 THE FINAL CORRECT VERSION OF THE BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS AND/OR BUILDING FOOTPRINTS SHOWN ON THESE PLANS WERE BASED ON THE ABOVE STATED ARCHITECTURAL FOOTPRINT, 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 CONTROL 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 CITY INSPECTOR AND COMPLY WITH CITY 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 CITY 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 FINISHED SURFACES, 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 IMMEDIATELY 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 ARKANSAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
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 SYSTEM. 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 CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS.
49. LIGHT POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES.
50. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE ARKANSAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
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 CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
54. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY 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, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY 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 THE CONSTRUCTION SITE LAND DISTURBANCE.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING ENVIRONMENTAL QUALITY AGENCY, INCLUDING BUT NOT LIMITED TO THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY ("ADEQ") AUTHORIZATION TO DISCHARGE STORMWATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT GENERAL PERMIT (PERMIT NO. ARR150000).
3. 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 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 REMOVAL FOR EACH BMP EMPLOYED 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 PER APPROVED DETAILS.
8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED.
9. CONTRACTOR SHALL PROVIDE ADEQUATE 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 CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
11. OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO 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 OR SHOWN ON THE EROSION CONTROL PLAN.
12. ALL STOCKPILES, SPOIL, AND BORROW AREAS SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. PROTECTIVE 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 THAT 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 CITY SPECIFICATIONS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.
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 THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY. 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 APPROPRIATE APPROVED SEDIMENT TRAP BMP.
18. CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 10 ACRES, PER ADEQ AND CITY STANDARDS. IF NO ENGINEERING DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE PLANS, THEN THE CONTRACTOR SHALL APPROVE AND OBTAIN 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 STONE SHALL BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASHDOWN AREA SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF 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 ANY 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.
24. AT THE CONCLUSION OF THE PROJECT, ALL TEMPORARY 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:

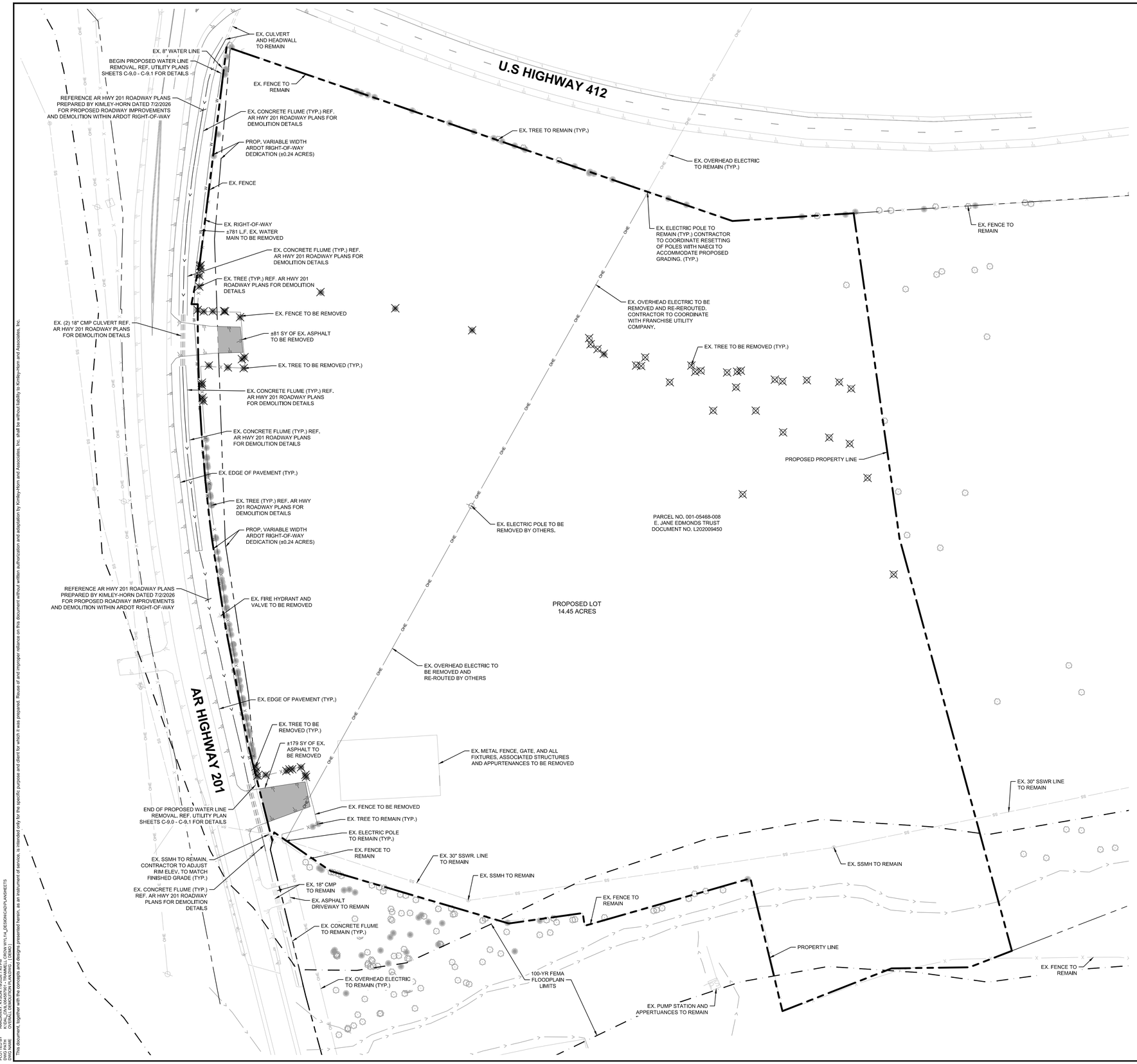
1. CONTRACTOR SHALL COMPLY WITH ALL ADEQ AND EPA STORM WATER POLLUTION PREVENTION REQUIREMENTS.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE ADEQ GENERAL PERMIT TO DISCHARGE UNDER THE ARKANSAS POLLUTANT DISCHARGE ELIMINATION SYSTEM ARR150000.
3. THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SUBMIT A NOI TO ADEQ AT LEAST SEVEN DAYS PRIOR TO COMMENCEMENT OF THE PROJECT (IF APPLICABLE). ONE PRIMARY OPERATOR SHALL SUBMIT A NOI PRIOR TO CONSTRUCTION. ALL PRIMARY OPERATORS SHALL PROVIDE A COPY OF THE SIGNED NOI TO THE OPERATOR OF ANY MS4 (TYPICALLY THE CITY) RECEIVING DISCHARGE FROM THE SITE.
4. CONTRACTOR SHALL ASSUME NO LIABILITY FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE, INCLUDING POSTING SITE NOTICE, INSPECTIONS, DOCUMENTATION, AND SUBMISSION OF ANY INFORMATION REQUIRED BY THE ADEQ AND EPA (E.G. NOI).
5. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN THE REQUIRED CONTRACTOR CERTIFICATION STATEMENT 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 CITY BY THE CONTRACTOR.
7. A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO ADEQ 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 PERMANENT 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 REPRESENT 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 ACCURATELY AS TO LOCATION, OR THAT NO ADDITIONAL REMEDIAL WORK WILL BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES.
3. THIS PLAN IS INTENDED TO BE 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 DEVELOPMENT. REMOVAL OR PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC, TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. 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.
5. CONTRACTOR SHALL REVIEW AND 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.
6. 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.
7. KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE REMOVED OR REMOVED.
8. SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT, FOUNDATIONS OR WALLS, THAT ARE ALSO TO BE REMOVED.

GRADING:

1. THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY.
3. UNLESS OTHERWISE NOTED, NON-POSITIVE DRAINAGE SHALL BE LOCATED SUCH THAT IT IS SH



N E S W

0 50' 100'
GRAPHIC SCALE 50'

DEMOLITION LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- W — EXISTING WATER LINE TO REMAIN
- SS — EXISTING SANITARY SEWER LINE TO REMAIN
- OHE — EXISTING OVERHEAD ELECTRIC LINE TO REMAIN
- OHE — EXISTING OVERHEAD ELECTRIC LINE TO BE REMOVED
- W — EXISTING WATER LINE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED

DEMOLITION NOTES

1. REFER TO SHEET C-1.1 FOR GENERAL NOTES.
2. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF MOUNTAIN HOME AND FRANCHISE UTILITY COMPANIES TO MAINTAIN SERVICES AT ALL TIMES TO NEIGHBORING PROPERTIES.
3. THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS INDICATING HOW THE WASTE FROM THE SITE HAS BEEN HANDLED.
4. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT. THE SITE. AFTER DEMOLITION SHALL BE GRADED TO ELIMINATE DEPRESSIONS, HOLES, BERMS, DIRT PILES, ETC. THE SITE IS TO BE GRADED UNTIL RELATIVELY SMOOTH AND ATTRACTIVE IN APPEARANCE PRIOR TO STABILIZATION OF EARTH. FOLLOWING ANY REQUIRED UNDERCUTTING, THE EXPOSED SUBGRADE SHOULD BE SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED TO A DEPTH OF 8 INCHES IN PREPARATION FOR FILL PLACEMENT.
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT.
6. LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL CALL 811 AT LEAST 48 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE TESS PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR ANY DAMAGE DONE TO THESE FACILITIES.
7. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE THEY COMMENCE ANY WORK. IN THE VICINITY, FURTHERMORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGE DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. 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.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
9. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS.
10. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
11. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DEVICES FOR ANY STREET WORK.
12. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE DEVELOPER IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
13. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., ACCORDING TO STANDARD BEST PRACTICES.
14. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES AROUND THE SITE PERIMETER ARE TO BE INSTALLED.
15. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
17. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.
18. ANY RECYCLED MATERIAL TO BE STOCKPILED ON THE SITE SHALL BE STORED IN AS SMALL AN AREA AS PRACTICABLE AND THE LOCATION OF ANY STOCKPILE SHALL BE WELL CLEAR OF THE BUILDING PAD AREA AND THE LOCATION MUST BE PRE-APPROVED BY THE OWNER PRIOR TO STOCKPILING.
19. FILL MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

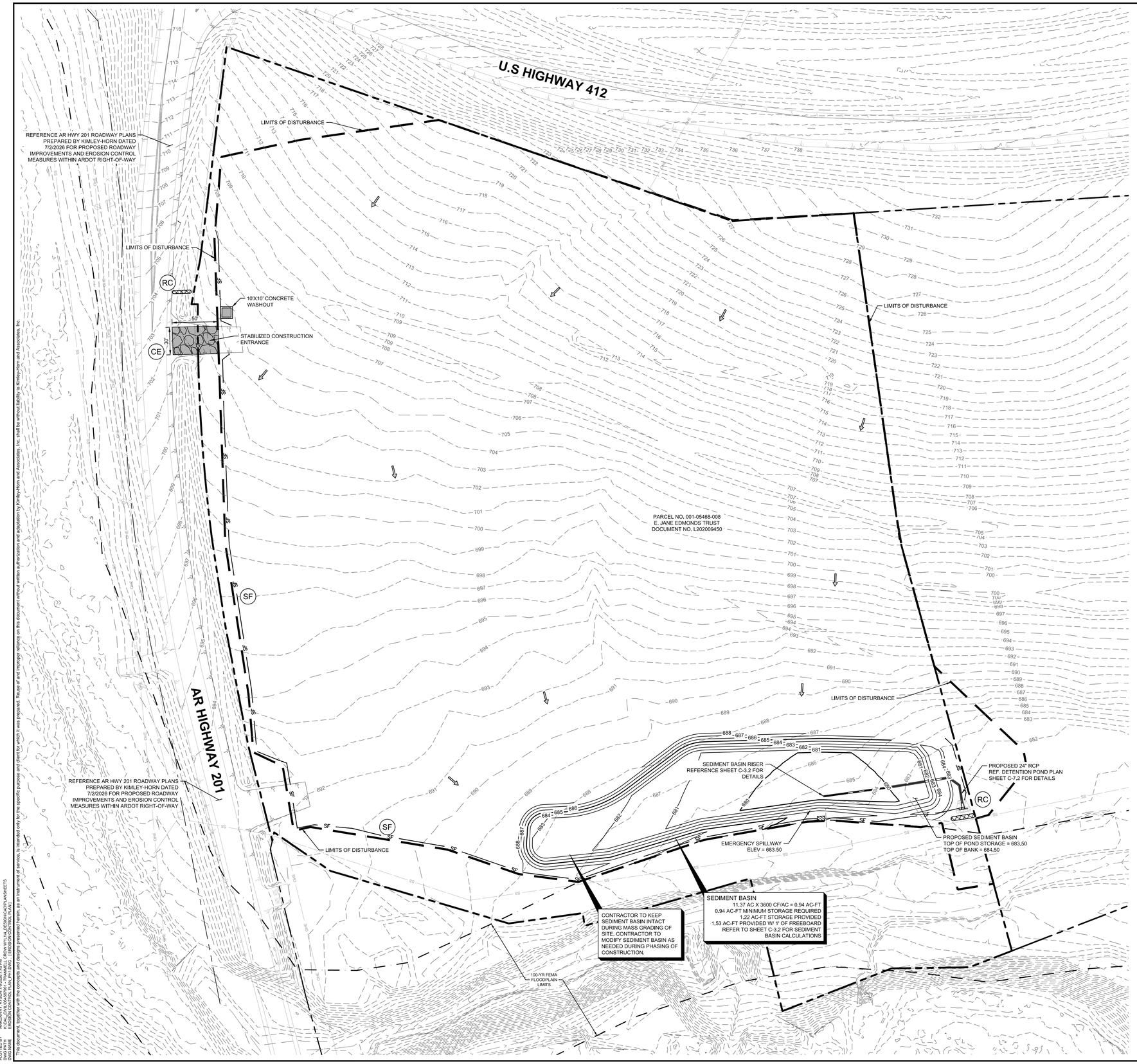
DEMOLITION PLAN

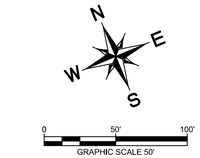
SHEET NUMBER
C-2.0

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
TB - Globally
TB - Locally
LAST SAVED
PLOTTED BY
XREFS
DWG NAME

TB - Globally ; #Rockdale - XSurv - XSurvTree - XAdsh - XROW
LAST SAVED 7/10/2026 7:45PM
HARDWARE XFSSN 7/9/2026 7:45PM
DWG C:\Users\mary.salmonsen\Kimley-Horn\MH_CROW WYL1\4_DESIGN\CAD\PLANSHEETS OVERALL DEMOLITION PLAN.DWG - (DEMO)





LEGEND

- PROPERTY LINE
- CE — STABILIZED CONSTRUCTION ENTRANCE/EXIT
- SF — SF — SILT FENCE
- IP — INLET PROTECTION
- CONCRETE WASHOUT
- FLOW PATH
- LIMITS OF DISTURBANCE
- PROPOSED SWALE
- RC — ROCK CHECK DAM
- SO — STONE OVERFLOW
- 710 — PROPOSED CONTOUR
- 710 — EXISTING CONTOUR

STANDARD EROSION CONTROL GENERAL NOTES

1. EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT, CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF MOUNTAIN HOME ENGINEERING DIVISION.
3. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
4. OFF-SITE BORROW AND SPOIL AREAS ARE CONSIDERED AS PART OF THE PROJECT SITE, AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMPs TO CONTROL OFF-SITE SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE DEVICES.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE ADEQ CONTRACTOR SHALL COMPLY WITH ALL ADEQ STORMWATER POLLUTION PREVENTION REQUIREMENTS.
7. STEEL POSTS FOR SILT FENCE ARE NOT ALLOWED TO BE PLACED IN THE ROW.
8. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
9. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
10. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING CONTOURS, FLOW ARROWS, AND SLOPES.
11. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
12. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
13. SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM.
14. IN AREAS WITH 4:1 SLOPES OR GREATER, CONTRACTOR TO INSTALL SOIL RETENTION BLANKET IF NECESSARY.
15. ALL SAWCUT WATER SHALL BE VACUUMED AND DISPOSED PROPERLY (I.E. CONCRETE WASHOUT PIT).
16. ALL HYPERCHLORINATED WATER AND BLOW OFF WATER SHALL BE DISCHARGED INTO SANITARY SEWER SYSTEM.
17. CONTRACTOR SHALL HAVE A COPY OF THE SWPPP ON SITE AT ALL TIMES.
18. SOIL TRACKED ONTO PUBLIC ROADS MUST BE REMOVED AT A FREQUENCY THAT MINIMIZES SITE IMPACTS AND PRIOR TO THE NEXT RAIN EVENT, IF FEASIBLE.
19. USING WATER TO WASH SEDIMENT FROM STREETS IS PROHIBITED.

LIMITS OF DISTURBANCE

DISTURBED AREA:		
WITHIN PROPERTY:	±11.97	ACRES
OUTSIDE PROPERTY:	± 0.08	ACRES
TOTAL DISTURBED AREA:	±12.27	ACRES

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

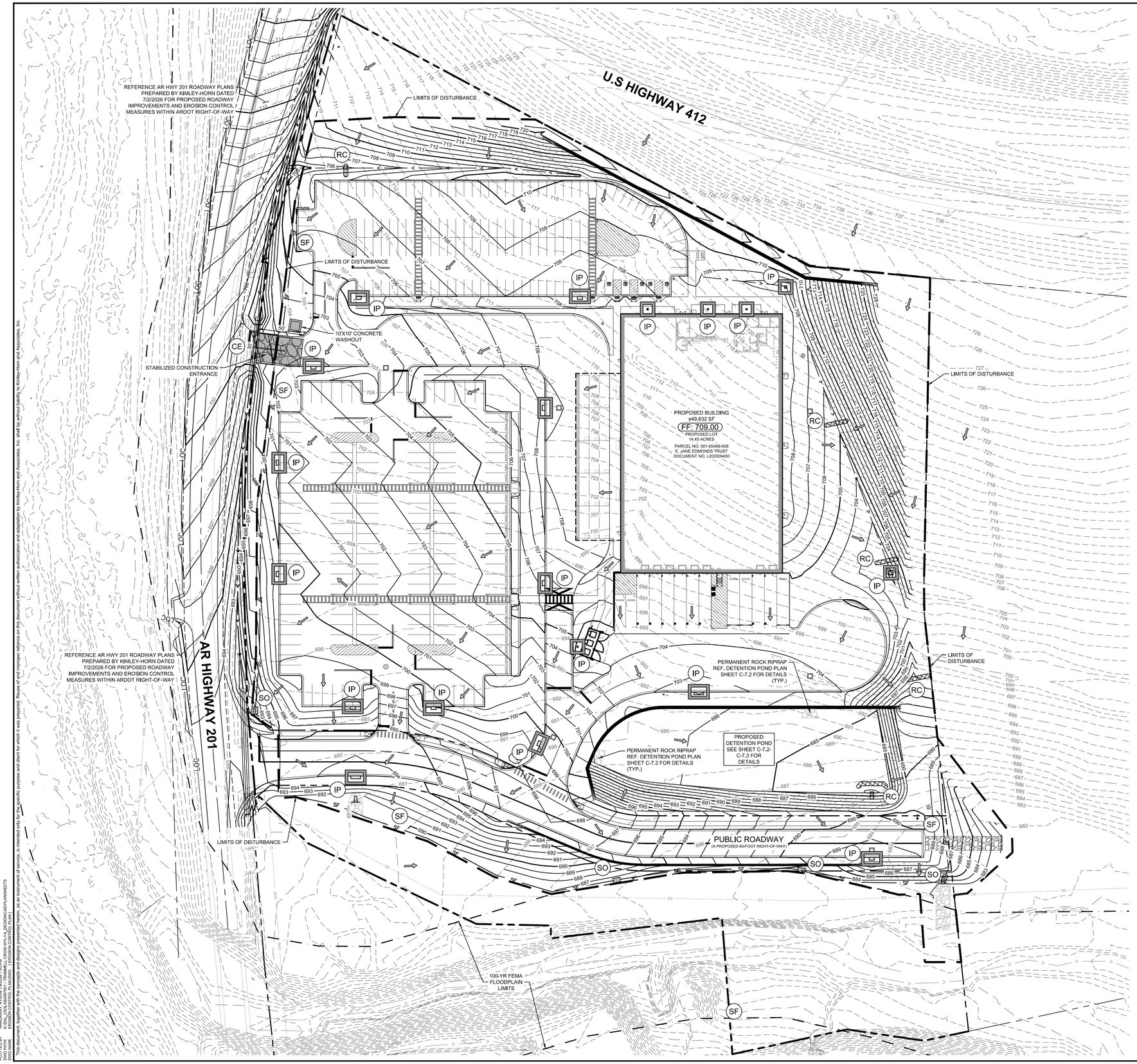
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

PHASE 1 EROSION CONTROL PLAN

SHEET NUMBER
C-3.0

IMAGES
LAST SAVED
PLOTTED BY
DWG NAME
ITB: xDim; -xSetBasin; -xExisting; -xProposed; -xSite; -xLODxPH1
7/9/2026 8:54 AM
MARDAWAY, KYSON (NV5)
C:\USERS\KYSON.MARDAWAY\DESKTOP\TRAMMELL CROW MYLTA_DESIGN\CAD\PLANSHEETS\EROSION CONTROL PLAN_PH1.DWG
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
TB: xDen xDim xDsn xExisting xFloodplain xGM xLOD xROW xPaving xStorm
LAST SAVED
TB: 07/10/2026 3:25 PM
PLOTTED BY
HARDAWAY, KYSON [YS0053.7.43.FR]
PLOTTED
07/10/2026 3:26 PM
DWG NAME
I:\2064587901\CAD\PLANSHEETS\MOUNTAIN HOME INDUSTRIAL_PHASE2_GROW WYLIE_DESIGN\CAD\PLANSHEETS\EROSION CONTROL PLAN\ENG - EROSION CONTROL PLAN.DWG

N
E
S
W

0 50' 100'
GRAPHIC SCALE 50'

LEGEND

- PROPERTY LINE
- CE — STABILIZED CONSTRUCTION ENTRANCE/EXIT
- CURLEX STABILIZED SLOPE (OR APPROVED EQUAL)
- SF — SF — SILT FENCE
- IP — INLET PROTECTION
- CONCRETE WASHOUT
- FLOW PATH
- LIMITS OF DISTURBANCE
- PROPOSED SWALE
- RC — ROCK CHECK DAM
- SO — STONE OVERFLOW
- 710 — PROPOSED CONTOUR
- 710 — EXISTING CONTOUR

STANDARD EROSION CONTROL GENERAL NOTES

1. EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT, CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF MOUNTAIN HOME ENGINEERING DIVISION.
3. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
4. OFF-SITE BORROW AND SPOIL AREAS ARE CONSIDERED AS PART OF THE PROJECT SITE, AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMPs TO CONTROL OFFSITE SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY, WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE DEVICES.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE ADEQ CONTRACTOR SHALL COMPLY WITH ALL ADEQ STORMWATER POLLUTION PREVENTION REQUIREMENTS.
7. STEEL POSTS FOR SILT FENCE ARE NOT ALLOWED TO BE PLACED IN THE ROW.
8. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
9. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
10. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING CONTOURS, FLOW ARROWS, AND SLOPES.
11. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES, OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED, CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
12. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
13. SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM.
14. IN AREAS WITH 4:1 SLOPES OR GREATER, CONTRACTOR TO INSTALL SOIL RETENTION BLANKET IF NECESSARY.
15. ALL SAWCUT WATER SHALL BE VACUUMED AND DISPOSED PROPERLY (I.E. CONCRETE WASHOUT PIT).
16. ALL HYPERCHLORINATED WATER AND BLOW OFF WATER SHALL BE DISCHARGED INTO SANITARY SEWER SYSTEM.
17. CONTRACTOR SHALL HAVE A COPY OF THE SWPPP ON SITE AT ALL TIMES.
18. SOIL TRACKED ONTO PUBLIC ROADS MUST BE REMOVED AT A FREQUENCY THAT MINIMIZES SITE IMPACTS AND PRIOR TO THE NEXT RAIN EVENT, IF FEASIBLE.
19. USING WATER TO WASH SEDIMENT FROM STREETS IS PROHIBITED.
20. AFTER ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR EQUIVALENT PERMANENT STABILIZATION MEASURES.

LIMITS OF DISTURBANCE

DISTURBED AREA:		
WITHIN PROPERTY:	±12.32	ACRES
OUTSIDE PROPERTY:	± 0.16	ACRES
TOTAL DISTURBED AREA:	±12.48	ACRES

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date: 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

PHASE 2 EROSION CONTROL PLAN

SHEET NUMBER
C-3.1

EROSION CONTROL SCHEDULE AND PHASING

THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE 1 - GRADING
- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, CONCRETE WASHOUT, ROCK CHECK DAMS, AND STONE OVERFLOWS ACCORDING TO THE APPROXIMATE LOCATION AND SHOWN ON GRADING AND EROSION CONTROL PLAN NOTES AND DETAIL SHEET.
- B. EXCAVATE SEDIMENT BASIN. CONSTRUCT EARTHEN EMBANKMENT FOR POND, AND INSTALL SEDIMENT BASIN RISER, OUTFALL PIPE, AND OUTFALL STRUCTURE.
- C. BEGIN CLEARING AND GRADING OF SITE.
- D. SEED AND REVEGETATE SLOPES AS NEEDED, SEE VEGETATIVE STABILIZATION REQUIREMENTS.

PHASE 2 - UTILITIES - REFERENCE EROSION CONTROL PLAN CONTAINED WITH CIVIL CONSTRUCTION PLANS.
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- B. INSTALL STORM DRAINS, SANITARY SEWER, AND WATER AS SPECIFIED ON CIVIL CONSTRUCTION PLANS.

PHASE 3 - PAVING - REFERENCE EROSION CONTROL PLAN CONTAINED WITH CIVIL CONSTRUCTION PLANS.
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
- B. STABILIZE SUBGRADE.
- C. PAVE STREET, PARKING LOTS, AND SIDEWALKS AS SPECIFIED ON CIVIL CONSTRUCTION PLANS.
- D. RE-INSTALL ANY STORM WATER POLLUTION PREVENTION MEASURED REMOVED FOR PAVING OPERATIONS.

PHASE 4 - LANDSCAPING AND SOIL STABILIZATION. - REFERENCE EROSION CONTROL PLAN CONTAINED WITH CIVIL CONSTRUCTION PLANS.
- A. REVEGETATE LOT AND PARKWAYS
- B. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
- C. REMOVE EROSION CONTROL DEVICES WHEN MINIMUM 80% GROUND COVER IS ESTABLISHED. VEGETATION MUST BE ESTABLISHED BEFORE STRUCTURAL CONTROLS REMOVED.

SEQUENCE OF CONSTRUCTION CLARIFICATION

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

BMP MAINTENANCE SCHEDULE

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE FACILITY IS FUNCTIONING PROPERLY. AGGREGATE PAD SHALL BE WASHED DOWN OR REPLACED WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN THE STONES OR MUD IS BEING TRACKED ONTO THE PUBLIC ROADWAY. RUNOFF FROM WASH DOWN OPERATION SHALL BE FILTERED THROUGH ANOTHER B.M.P. PRIOR TO DRAINING OFF-SITE.

SILT FENCE:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS. SEDIMENT SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-THIRD THE HEIGHT OF THE FENCE ABOVE GRADE. FENCE SHALL BE INSPECTED FOR GAPS AT BASE. INSPECT SUPPORTING POSTS AND FILTER FABRIC. REPLACE IF REQUIRED.

STONE OVERFLOW STRUCTURE:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE FACILITY IS FUNCTIONING PROPERLY. SEDIMENT SHALL BE REMOVED FROM THE STORAGE AREA WHEN SEDIMENT DEPTH HAS BUILT UP TO ONE-HALF THE HEIGHT OF THE STONE OUTLET. REPAIR DISLODGED OR MISSING STONE RIP-RAP AND REPAIR ANY DOWNSTREAM EROSION.

ROCK CHECK DAMN:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. REMOVE SEDIMENT FROM THE STORAGE AREA UPSTREAM OF THE DAMN WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF OF THE DAM HEIGHT. REPAIR DAMAGE TO THE CHANNEL IN THE VICINITY OF THE CHECK DAMNS IMMEDIATELY TO PREVENT ADDITIONAL DAMAGE. REPLACE MISSING OR DISLODGED ROCK AS NEEDED TO MAINTAIN THE DESIGN HEIGHT AND CROSS SECTION OF THE CHECK DAM.

CURB INLET/GRATE INLET/WYE INLET:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. REMOVE SEDIMENT FROM THE STORAGE AREA SURROUNDING THE INLET/GRATE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF OF THE PROTECTION HEIGHT. DEVICE SHALL BE INSPECTED FOR GAPS AT BASE, AND SHALL BE REPLACED AS NEEDED.

NOTE: CURLEX IS TO BE PROVIDED ON SLOPES GREATER THAN 4:1

VEGETATIVE STABILIZATION REQUIREMENTS

TEMPORARY SEEDING

ALL DISTURBED AREAS WHICH WILL BE LEFT DORMANT FOR GREATER THAN 14 DAYS SHALL BE SEEDED WITH FAST- GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING OPERATIONS. SELECTION OF THE SEED WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED (SEE DESCRIPTIONS IN TABLE 2). REFERENCE LANDSCAPE PLAN FOR PERMANENT STABILIZATION REQUIREMENTS. ALL TEMPORARY SEEDING MATERIALS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO APPLICATION.

TABLE 2
VEGETATION TABLE*

TEMPORARY SEEDING

SPECIES	PLANTING RATE
CRIMSON CLOVER	7#/ACRE
MILLET, FOXTAIL	30#/ACRE
RYEGRASS, ANNUAL	30#/ACRE
SPRANGLETOP, GREEN	2.5#/ACRE
TALL FESCUE	7#-10#/1000 SF

*USE ONLY USDA CERTIFIED SEED.

SURFACE PREPARATION FOR TEMPORARY SEEDING

1. INSTALL EROSION STRUCTURES SUCH AS DIKES, DIVERSIONS, ETC. PRIOR TO SEEDING.

2. FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR LINE BEFORE SEEDING.

3. ENSURE SEED BED IS PULVERIZED, LOOSE, AND UNIFORM.

APPLICATION

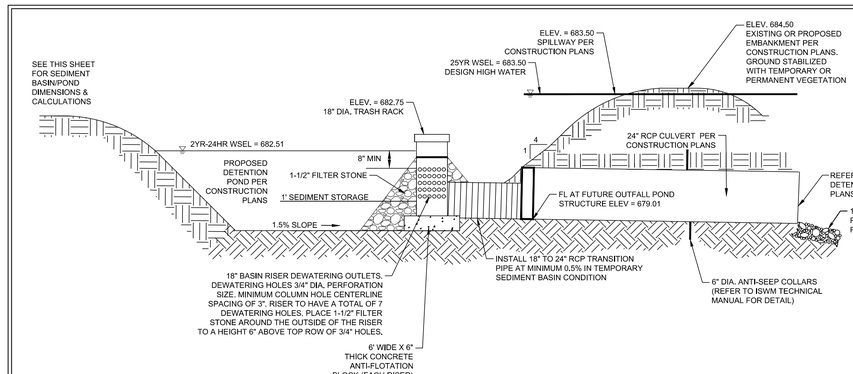
1. WHEN HYDROMULCHING IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES PRIOR TO APPLICATION.

2. APPLY SEED EVENLY USING PROPER EQUIPMENT AND WATER TO AID VEGETATION GROWTH.

3. EROSION CONTROL NETTING SHALL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT AGAINST EROSION. MULCH (STRAW OR FIBER) SHALL BE USED ON RELATIVELY FLAT SLOPES.

NOTE

1. CURLEX IS TO BE PROVIDED ON SLOPES GREATER THAN 4:1



SB SEDIMENTATION BASIN
N.T.S.

INSPECTION AND MAINTENANCE NOTES:
1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL, CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE. AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. REPAIR SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
2. TRASH AND OTHER DEBRIS SHOULD BE REMOVED AFTER EACH RAINFALL TO PREVENT CLOGGING OF THE OUTLET STRUCTURE.
3. ACCUMULATED SILT SHOULD BE REMOVED AND THE BASIN SHOULD BE RE-GRADED TO ITS ORIGINAL DIMENSIONS AT SUCH POINT THAT THE CAPACITY OF THE IMPOUNDMENT HAS BEEN REDUCED TO 75% OF ITS ORIGINAL STORAGE CAPACITY.
4. THE REMOVED SEDIMENT SHOULD BE STOCKPILED OR REDISTRIBUTED IN AREAS THAT ARE PROTECTED FROM EROSION.

NOTES:
1. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
2. THE TOP OF THE RISER PIPE SHOULD REMAIN OPEN AND BE GUARDED WITH A TRASH RACK AND ANTI-VORTEX DEVICE.
3. PLACE FILL MATERIAL IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH. BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE THE OPTIMUM MOISTURE CONTENT OF THE MATERIAL. COMPACT EACH LAYER TO 98 PERCENT STANDARD PROCTOR DENSITY.
4. SIDE SLOPES SHALL BE 4:1 OR FLATTER AND MUST BE STABILIZED IMMEDIATELY AS SURFACES ARE BROUGHT TO FINAL GRADE OR PER TEMPORARY STABILIZATION STANDARDS.

Pond Information:

Top of Pond (ft)	684.5
Crest of Riser (ft)	682.75
Diameter of Risers (in)	18
Diameter of Riser Perforations (in)	0.75

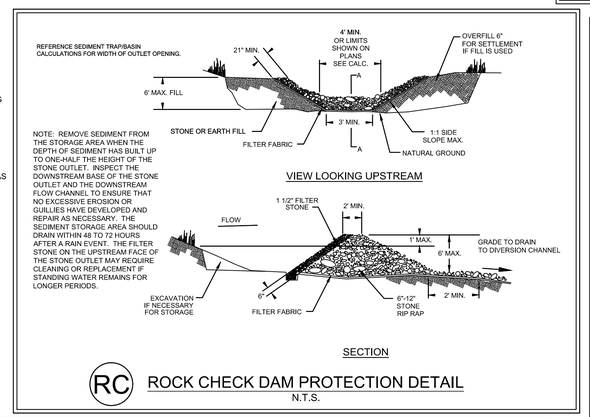
Perforation Calculations (48-hour release)	
Volume (ft³)	40932.0
Time (hr)	48
Total Flow, Q_T (cfs)	0.24
Coefficient, C	0.6
Area (ft2)	0.003
Acceleration of Gravity, g (ft/s2)	32.2
Height of Pond (ft)	5.5
Perforation Flow, Qp (cfs)	0.035
Number of Openings	**7**

Required Volume based on total drainage area:

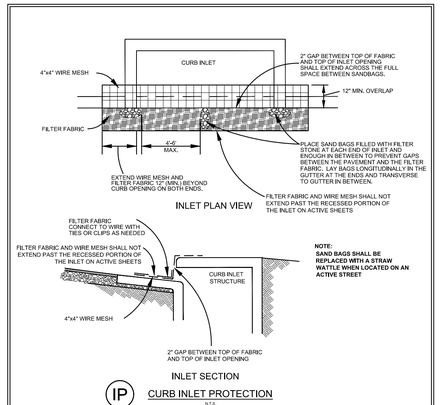
Total Drainage Area (ac)	11.37
Volume (ac-ft)	0.94

Pond Stage-Storage Table

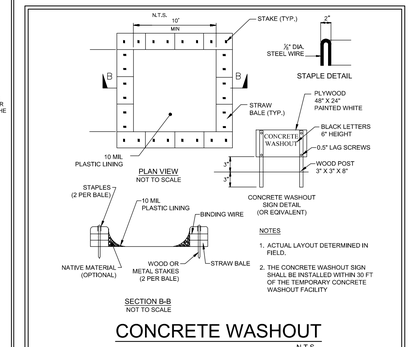
Elevation (ft)	Area (ac)	Volume (ac-ft)
679.0	0.00	0.00
679.5	0.03	0.01
680.0	0.11	0.04
680.5	0.24	0.13
681.0	0.33	0.27
681.5	0.41	0.46
682.0	0.48	0.68
682.5	0.54	0.94
683.0	0.60	1.22
683.5	0.63	1.53
684.0	0.65	1.85
684.5	0.67	2.18



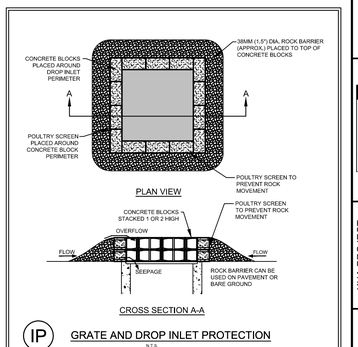
RC ROCK CHECK DAM PROTECTION DETAIL
N.T.S.



IP CURB INLET PROTECTION
N.T.S.



CONCRETE WASHOUT
N.T.S.



IP GRATE AND DROP INLET PROTECTION
N.T.S.

SILT FENCE GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.

2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

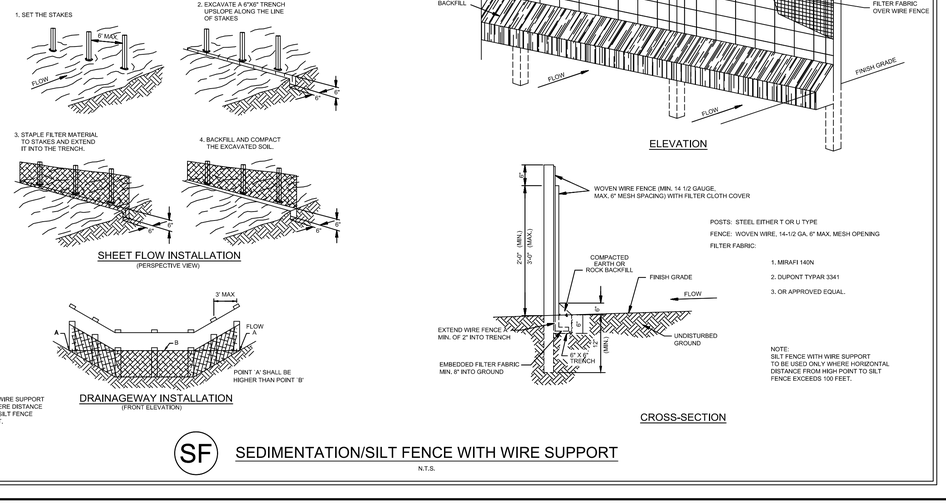
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE BY USING WIRE TIES OR STAPLES SPACED EVERY 24" AT TOP AND MID SECTION, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

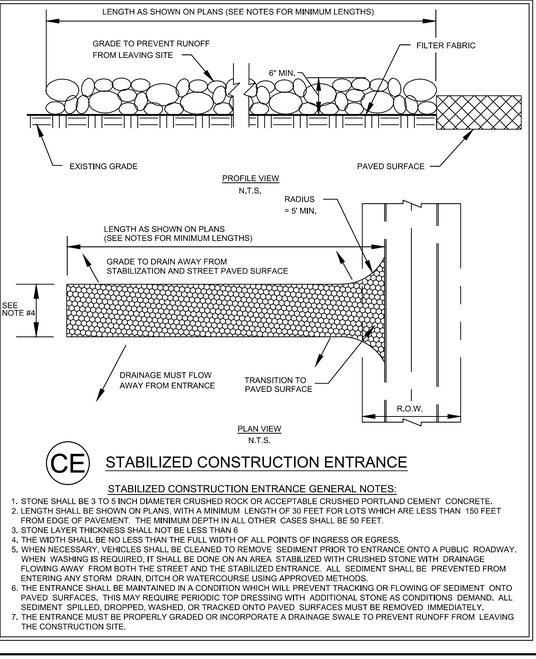
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

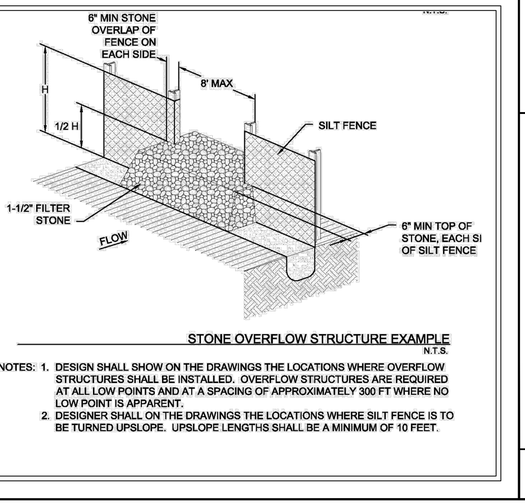


SF SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT
N.T.S.



CE STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:
1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE.
2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
3. STONE LAYER THICKNESS SHALL NOT BE LESS THAN 6
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



STONE OVERFLOW STRUCTURE EXAMPLE
N.T.S.

SO

NOTES: 1. DESIGN SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE OVERFLOW STRUCTURES SHALL BE INSTALLED. OVERFLOW STRUCTURES ARE REQUIRED AT ALL LOW POINTS AND AT A SPACING OF APPROXIMATELY 300 FT WHERE NO LOW POINT IS APPARENT.
2. DESIGNER SHALL ON THE DRAWINGS THE LOCATIONS WHERE SILT FENCE IS TO BE TURNED UPSLOPE. UPSLOPE LENGTHS SHALL BE A MINIMUM OF 10 FEET.

IMAGES LAST SAVED 7/8/2026 2:20 PM
PLOTTED BY KIRSHAWN.KYSON.TAYLOR@KHA.COM
PLOTTED ON 7/8/2026 2:20 PM
DWG NAME K:\WYL_DEN\CAD\PLANSHEETS (PHASE 1 EROSION CONTROL DETAILS.DWG
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

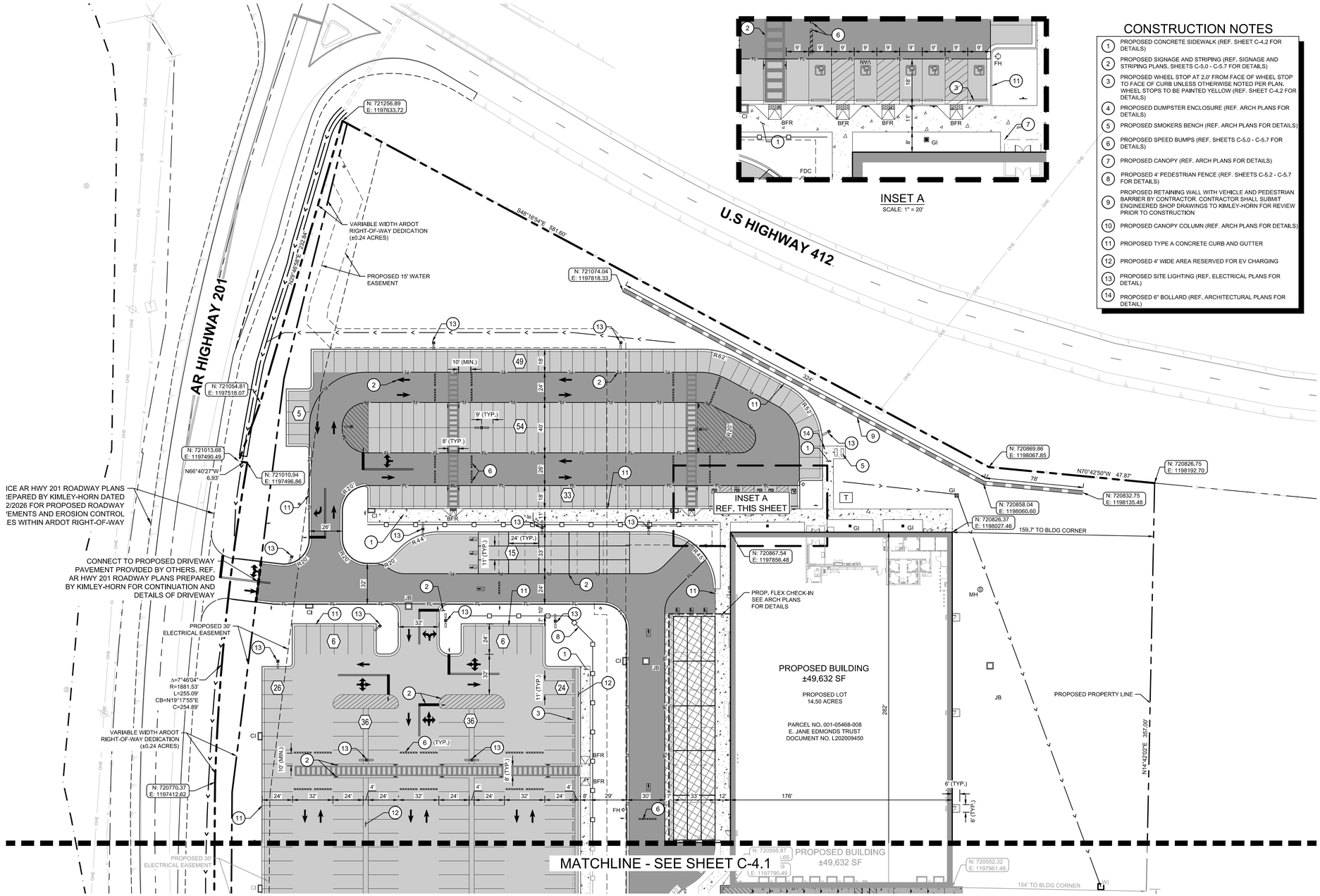
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date: 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

EROSION CONTROL DETAILS

SHEET NUMBER
C-3.2



CONSTRUCTION NOTES

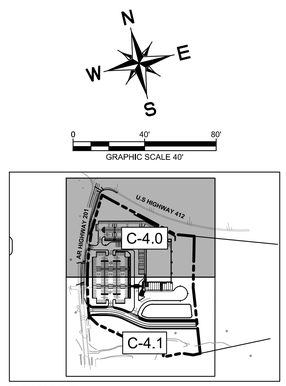
1. PROPOSED CONCRETE SIDEWALK (REF. SHEET C-4.2 FOR DETAILS)
2. PROPOSED SIGNAGE AND STRIPING (REF. SIGNAGE AND STRIPING PLANS, SHEETS C-5.0 - C-5.7 FOR DETAILS)
3. PROPOSED WHEEL STOP AT 2.0' FROM FACE OF WHEEL STOP TO FACE OF CURB UNLESS OTHERWISE NOTED PER PLAN. WHEEL STOPS TO BE PAINTED YELLOW (REF. SHEET C-4.2 FOR DETAILS)
4. PROPOSED DUMPSTER ENCLOSURE (REF. ARCH PLANS FOR DETAILS)
5. PROPOSED SMOKERS BENCH (REF. ARCH PLANS FOR DETAILS)
6. PROPOSED SPEED BUMPS (REF. SHEETS C-5.0 - C-5.7 FOR DETAILS)
7. PROPOSED CANOPY (REF. ARCH PLANS FOR DETAILS)
8. PROPOSED 4' PEDESTRIAN FENCE (REF. SHEETS C-5.2 - C-5.7 FOR DETAILS)
9. PROPOSED RETAINING WALL WITH VEHICLE AND PEDESTRIAN BARRIER BY CONTRACTOR. CONTRACTOR SHALL SUBMIT ENGINEERED SHOP DRAWINGS TO KIMLEY-HORN FOR REVIEW PRIOR TO CONSTRUCTION
10. PROPOSED CANOPY COLUMN (REF. ARCH PLANS FOR DETAILS)
11. PROPOSED TYPE A CONCRETE CURB AND GUTTER
12. PROPOSED 4' WIDE AREA RESERVED FOR EV CHARGING
13. PROPOSED SITE LIGHTING (REF. ELECTRICAL PLANS FOR DETAIL)
14. PROPOSED 6" BOLLARD (REF. ARCHITECTURAL PLANS FOR DETAIL)

GEOTECH NOTE

REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL ENGINEERING REPORT,
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025

Know what's **below.** **Call** before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.



KEYMAP
NTS

LEGEND

- PROPOSED FIRE LANE (FL)
- PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING OVERHEAD POWER (OHE)
- PROPOSED FENCE
- PROPOSED SWALE (>)
- PROPOSED RETAINING WALL
- HEAVY DUTY CONCRETE
- HEAVY DUTY ASPHALT
- STANDARD DUTY CONCRETE
- STANDARD DUTY ASPHALT
- CONCRETE SIDEWALK
- PUBLIC ROADWAY ASPHALT
- MH MANHOLE
- JB JUNCTION BOX
- WI WYE INLET
- CI CURB INLET
- GI GRATE INLET
- HW HEADWALL
- FH FIRE HYDRANT
- WM WATER METER
- IM IRRIGATION METER
- BFP BACKFLOW PREVENTER
- EX. EXISTING
- PROP. PROPOSED
- TYP. TYPICAL
- (#) NUMBER OF PARKING SPACES
- BARRIER FREE RAMP (BFR)
- PROP. LIGHT POLES (BY OTHERS)

NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. REFERENCE SHEET C-4.2 FOR PAVEMENT SECTIONS.
3. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL PAVING AND SOIL PREPARATION NOTES.
4. REFERENCE SIGNAGE AND STRIPING PLANS ON SHEETS C-5.0 - C-5.7 FOR SIGNING AND STRIPING LAYOUT INFORMATION.
5. ISOLATION JOINT SHALL BE USED WHEREVER THE PAVEMENT WILL ABUT A STRUCTURAL ELEMENT SUBJECT TO DIFFERENT MAGNITUDE OF MOVEMENT, E.G., LIGHT POLES, RETAINING WALLS, EXISTING PAVEMENT, STAIRWAYS, ENTRYWAY PIERS, BUILDING WALLS, MANHOLES, GRATE INLETS, JUNCTION BOXES, ETC.
6. EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
7. ALL DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE.
8. REFER TO ARCHITECTURAL AND STRUCTURAL CONSTRUCTION DRAWINGS FOR EXACT BUILDING DIMENSIONS. ALL CONSTRUCTION SPECIFICATIONS WITHIN CITY RIGHT-OF-WAY AND EASEMENTS SHALL COMPLY WITH CITY OF MOUNTAIN HOME STANDARDS, PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIALS REQUIRED.
9. ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE LATEST ADA STANDARDS, THE STATE OF ARKANSAS STANDARDS, AND CITY OF MOUNTAIN HOME DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.
10. ALL CURB RADII ARE 3' OR 8' UNLESS OTHERWISE NOTED.
11. ALL FIRE LANE RADII ARE TO BE A MINIMUM OF 20' AT THE FACE OF CURB AND SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF MOUNTAIN HOME REQUIREMENTS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

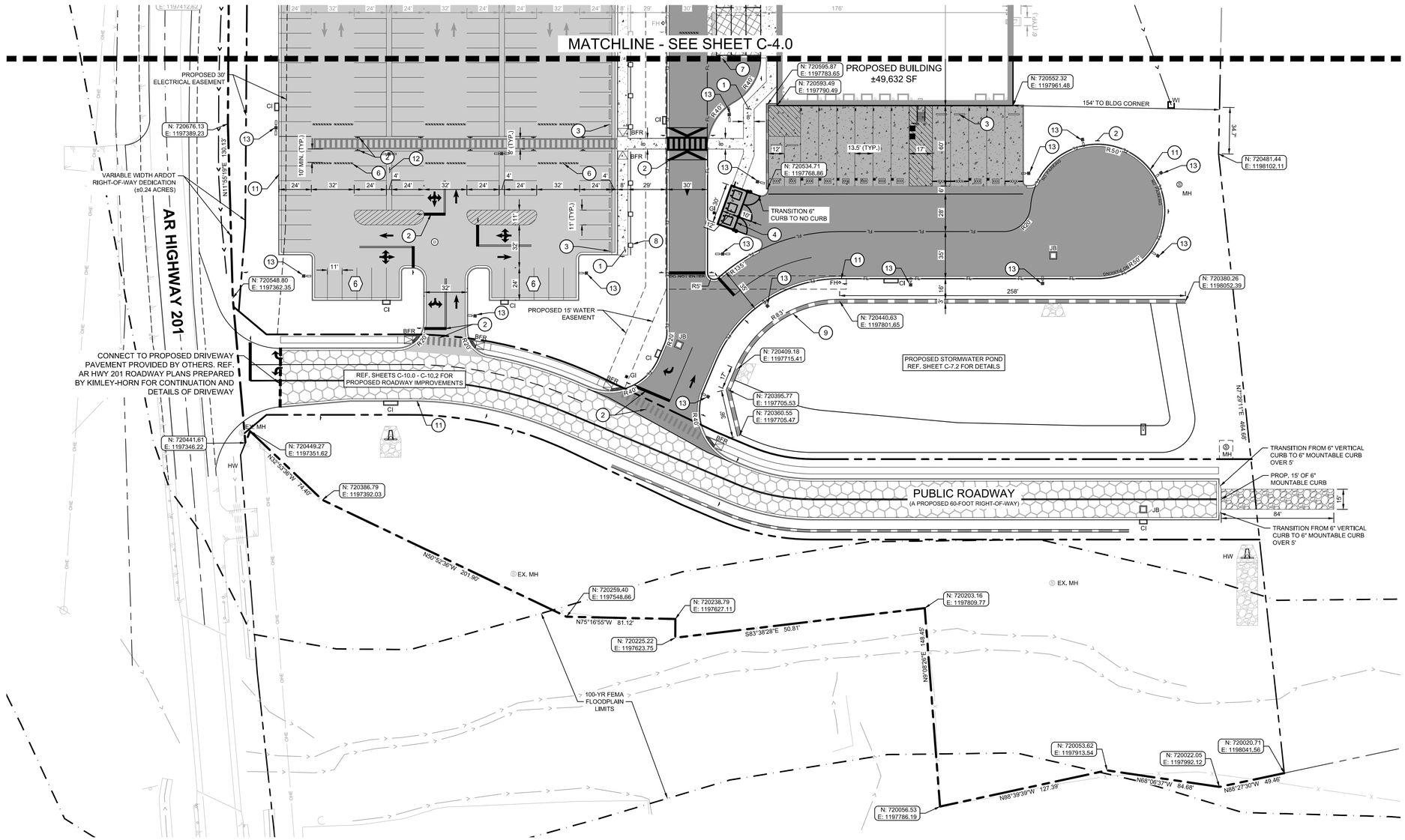
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

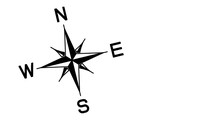
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

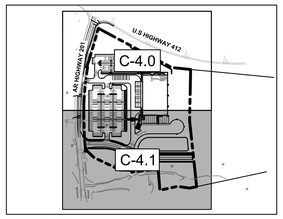
SITE KEYNOTE AND PAVING PLAN (1 OF 2)

SHEET NUMBER
C-4.0

IMAGES
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.







KEYMAP
NTS

LEGEND

FL	PROPOSED FIRE LANE
	PROPERTY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
OHE	EXISTING OVERHEAD POWER
	PROPOSED FENCE
>	PROPOSED SWALE
	PROPOSED RETAINING WALL
	HEAVY DUTY CONCRETE
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	STANDARD DUTY ASPHALT
	CONCRETE SIDEWALK
	PUBLIC ROADWAY ASPHALT
MH	MANHOLE
JB	JUNCTION BOX
WI	WYE INLET
CI	CURB INLET
GI	GRATE INLET
HW	HEADWALL
FH	FIRE HYDRANT
WM	WATER METER
IM	IRRIGATION METER
BFP	BACKFLOW PREVENTER
EX.	EXISTING
PROP.	PROPOSED
TYP.	TYPICAL
(#)	NUMBER OF PARKING SPACES
	BARRIER FREE RAMP (BFR)
	PROP. LIGHT POLES (BY OTHERS)

CONSTRUCTION NOTES

1. PROPOSED CONCRETE SIDEWALK (REF, SHEET C-4.2 FOR DETAILS)
2. PROPOSED SIGNAGE AND STRIPING (REF, SIGNAGE AND STRIPING PLANS, SHEETS C-5.0 - C-5.7 FOR DETAILS)
3. PROPOSED WHEEL STOP AT 2.0' FROM FACE OF WHEEL STOP TO FACE OF CURB UNLESS OTHERWISE NOTED PER PLAN. WHEEL STOPS TO BE PAINTED YELLOW (REF. SHEET C-4.2 FOR DETAILS)
4. PROPOSED DUMPSTER ENCLOSURE (REF, ARCH PLANS FOR DETAILS)
5. PROPOSED SMOKERS BENCH (REF. ARCH PLANS FOR DETAILS)
6. PROPOSED SPEED BUMPS (REF, SHEETS C-5.0 - C-5.7 FOR DETAILS)
7. PROPOSED CANOPY (REF, ARCH PLANS FOR DETAILS)
8. PROPOSED 4' PEDESTRIAN FENCE (REF. SHEETS C-5.2 - C-5.7 FOR DETAILS)
9. PROPOSED RETAINING WALL WITH VEHICLE AND PEDESTRIAN BARRIER BY CONTRACTOR. CONTRACTOR SHALL SUBMIT ENGINEERED SHOP DRAWINGS TO KIMLEY-HORN FOR REVIEW PRIOR TO CONSTRUCTION
10. PROPOSED CANOPY COLUMN (REF, ARCH PLANS FOR DETAILS)
11. PROPOSED TYPE A CONCRETE CURB AND GUTTER
12. PROPOSED 4' WIDE AREA RESERVED FOR EV CHARGING
13. PROPOSED SITE LIGHTING (REF. ELECTRICAL PLANS FOR DETAIL)
14. PROPOSED 6" BOLLARD (REF, ARCHITECTURAL PLANS FOR DETAIL)

NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. REFERENCE SHEET C-4.2 FOR PAVEMENT SECTIONS.
3. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL PAVING AND SOIL PREPARATION NOTES.
4. REFERENCE SIGNAGE AND STRIPING PLANS ON SHEETS C-5.0 - C-5.7 FOR SIGNING AND STRIPING LAYOUT INFORMATION.
5. ISOLATION JOINT SHALL BE USED WHEREVER THE PAVEMENT WILL ABUT A STRUCTURAL ELEMENT SUBJECT TO DIFFERENT MAGNITUDE OF MOVEMENT, E.G., LIGHT POLES, RETAINING WALLS, EXISTING PAVEMENT, STAIRWAYS, ENTRYWAY PIERS, BUILDING WALLS, MANHOLES, GRATE INLETS, JUNCTION BOXES, ETC.
6. EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
7. ALL DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE.
8. REFER TO ARCHITECTURAL AND STRUCTURAL CONSTRUCTION DRAWINGS FOR EXACT BUILDING DIMENSIONS. ALL CONSTRUCTION SPECIFICATIONS WITHIN CITY RIGHT-OF-WAY AND EASEMENTS SHALL COMPLY WITH CITY OF MOUNTAIN HOME STANDARDS. PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIALS REQUIRED.
9. ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE LATEST ADA STANDARDS, THE STATE OF ARKANSAS STANDARDS, AND CITY OF MOUNTAIN HOME DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.
10. ALL CURB RADII ARE 3' OR 8' UNLESS OTHERWISE NOTED.
11. ALL FIRE LANE RADII ARE TO BE A MINIMUM OF 20' AT THE FACE OF CURB AND SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF MOUNTAIN HOME REQUIREMENTS.

GEOTECH NOTE

REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL ENGINEERING REPORT,
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025

811 Know what's **below.** **Call** before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

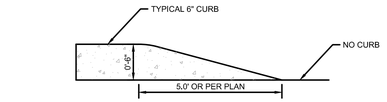
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SITE KEYNOTE AND PAVING PLAN (2 OF 2)

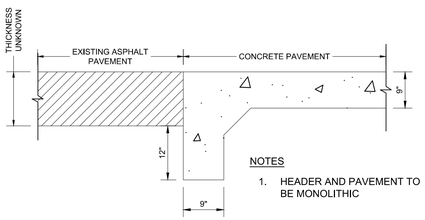
SHEET NUMBER
C-4.1

IMAGES
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
xRefs: -Site -xTB -xHatch -xExisting -xSheet -xSurv -xUtil -xVP -xTopobase -xLighting -xROW -xPaving -xEsmt
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CURB TO NO-CURB TRANSITION

NOT TO SCALE



NOTES

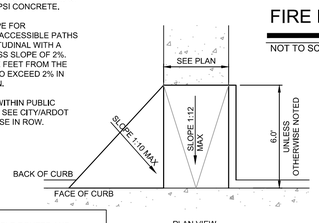
1. HEADER AND PAVEMENT TO BE MONOLITHIC

ASPHALT TO CONCRETE HEADER

NOT TO SCALE

NOTES:

1. RAMP SHALL HAVE A LIGHT BROOM SWEPT FINISH PER ADA/TAS REQUIREMENTS.
2. TAPERED CURB AND GUTTER SECTION. MAINTAIN GUTTER FLOWLINE AS REQUIRED.
3. RAMP SHALL BE CONSTRUCTED OF 4" THICK, 3000 PSI CONCRETE.
4. MAXIMUM SLOPE FOR HANDICAPPED ACCESSIBLE PATHS ARE 5% LONGITUDINAL WITH A MAXIMUM CROSS SLOPE OF 2%. THE FIRST FIVE FEET FROM THE DOOR IS NOT TO EXCEED 2% IN ANY DIRECTION.
5. NOT FOR USE WITHIN PUBLIC RIGHT OF WAY. SEE CITY/ARDOT DETAILS FOR USE IN ROW.

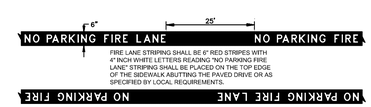


PLAN VIEW

NOTE:
ALL ACCESSIBLE ROUTES AND BARRIER FREE RAMPS MUST COMPLY WITH ADA ACCESSIBILITY STANDARDS, LATEST EDITION.

BARRIER FREE RAMP DETAIL

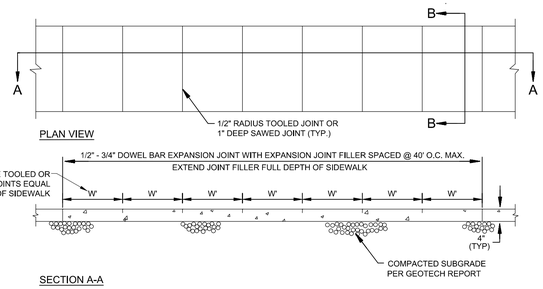
NOT TO SCALE



FIRE LANE STRIPING SHALL BE 6" RED STRIPES WITH 4" INCH WHITE LETTERS READING "NO PARKING FIRE LANE" STRIPING SHALL BE PLACED ON THE TOP EDGE OF THE SIDEWALK ABUTTING THE PAVED DRIVE OR AS SPECIFIED BY LOCAL REQUIREMENTS.

FIRE LANE MARKING

NOT TO SCALE

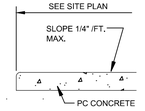


SECTION A-A

CONCRETE SIDEWALK

NOT TO SCALE

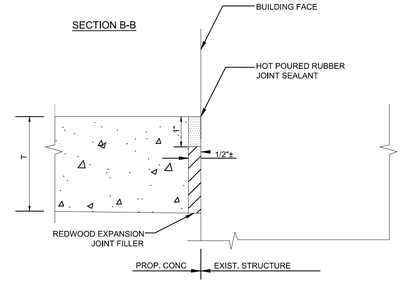
NOTE: PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS



NOTES:

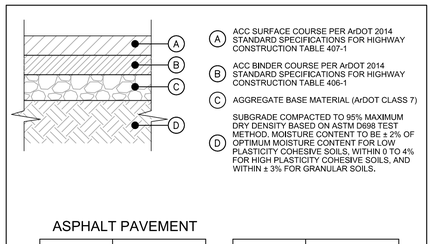
1. CONCRETE SHALL BE 3,000 PSI @ 28 DAYS.
2. FINISH OF THE TOP SURFACE SHALL BE "LIGHT BROOM FINISH" WITH SCORED TOOL JOINTS.
3. SLOPE OF WALK SHALL BE 2% MAX. OR APPROVED BY THE CITY ENGINEER.
4. MIN. CONCRETE THICKNESS ON SIDEWALK SHALL BE 4 INCHES. MIN. CONCRETE THICKNESS ON BARRIER FREE RAMP PAY LIMIT AREA SHALL BE 6 INCHES.
5. INSTALL 1/2" - 3/4" DOWEL BAR EXPANSION JOINT WITH EXPANSION JOINT FILLER EVERY 40' (MAX)
6. IF AN ACCESSIBLE ROUTE HAS LESS THAN 60 IN. (1525 MM) CLEAR WIDTH THEN PASSING SPACES AT LEAST 60 IN BY 60 IN (1525 MM BY 1525 MM) SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200 FT (61 M).

SECTION B-B



ISOLATION JOINT

NOT TO SCALE



A ACC SURFACE COURSE PER ArDOT 2014 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION TABLE 407-1

B ACC BINDER COURSE PER ArDOT 2014 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION TABLE 406-1

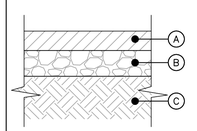
C AGGREGATE BASE MATERIAL (ArDOT CLASS 7)

D SUBGRADE COMPACTED TO 95% MAXIMUM DRY DENSITY BASED ON ASTM D698 TEST METHOD. MOISTURE CONTENT TO BE ± 2% OF OPTIMUM MOISTURE CONTENT FOR LOW PLASTICITY COHESIVE SOILS, WITHIN 0 TO 4% FOR HIGH PLASTICITY COHESIVE SOILS, BUT WITHIN ± 3% FOR GRANULAR SOILS.

ASPHALT PAVEMENT

PLAN SYMBOL	STANDARD DUTY ASPHALTIC CONCRETE PAVEMENT
A	0'-2"
B	0'-2"
C	0'-8"
D	0'-9"

PLAN SYMBOL	HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT
A	0'-2"
B	0'-5"
C	0'-8"
D	0'-9"



A MIN. 4,000 PSI REINFORCED PORTLAND CEMENT CONCRETE AT 28 DAYS W/MAX 6% AIR AND JOINTS NOT TO EXCEED 15' O.C.E.W.

B AGGREGATE BASE MATERIAL (ArDOT CLASS 7)

C SUBGRADE COMPACTED TO 95% MAXIMUM DRY DENSITY BASED ON ASTM D698 TEST METHOD. MOISTURE CONTENT TO BE ± 2% OF OPTIMUM MOISTURE CONTENT FOR LOW PLASTICITY COHESIVE SOILS, WITHIN 0 TO 4% FOR HIGH PLASTICITY COHESIVE SOILS, AND WITHIN ± 3% FOR GRANULAR SOILS.

CONCRETE PAVEMENT

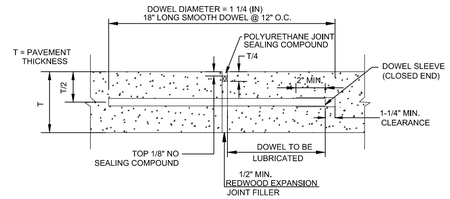
PLAN SYMBOL	HEAVY DUTY CONCRETE PAVEMENT
A	0'-7"
B	0'-4"
C	0'-9"

GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM THESE PAVEMENT SECTIONS WITH THE GEOTECHNICAL REPORT PREPARED BY TERRACON ON OCTOBER 17, 2025. PROJECT NO.KB255044
2. MATCH EXISTING PAVEMENT SECTION IF MORE STRINGENT THAN SECTION PER THIS DETAIL.
3. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT.

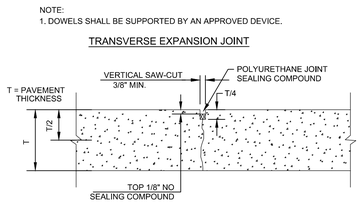
PAVEMENT SECTIONS

NOT TO SCALE



NOTE:
1. DOWELS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

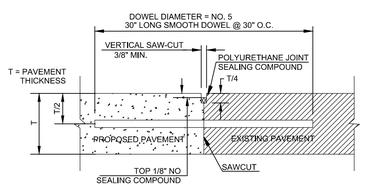
TRANSVERSE EXPANSION JOINT



CONTRACTION JOINT

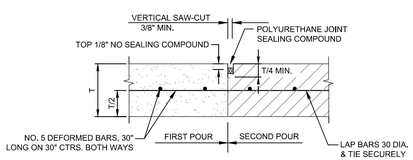
NOTE:

THESE CONCRETE JOINT DETAILS SHALL BE USED FOR CONCRETE PAVING ON PRIVATE PROPERTY.



NOTE:
1. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
2. DRILLING BY HAND IS NOT ACCEPTABLE. PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

LONGITUDINAL BUTT JOINT



T=PAVEMENT THICKNESS

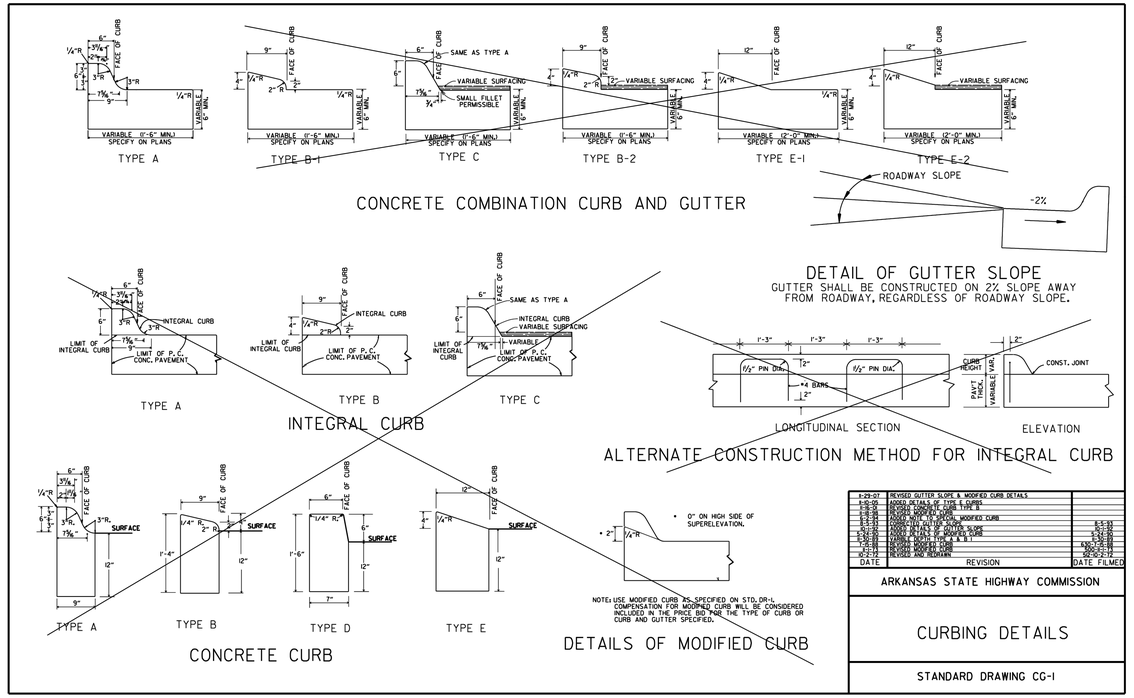
CONSTRUCTION JOINT

CONCRETE JOINT DETAILS

NOT TO SCALE

NOTE:

1. REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT JOINTING AND PREPARATION.



DATE	REVISION	DATE FILMED
4-29-07	REVISED GUTTER SLOPE & MODIFIED CURB DETAILS	
8-10-05	ADDED DETAILS OF TYPE B CURBS	
8-10-05	ADDED MODIFIED CURB - TYPE B	
8-10-05	REVISED MODIFIED CURB	
8-10-05	ADDED NOTE TO SPECIAL MODIFIED CURB	
5-31-05	REVISED TYPE E CURB	5-31-05
5-31-05	ADDED DETAILS OF GUTTER SLOPE	5-31-05
5-31-05	ADDED DEPTH TYPE A & B-1	5-31-05
1-21-05	REVISED MODIFIED CURB	1-21-05
1-21-05	REVISED MODIFIED CURB	1-21-05
4-27-12	REVISED AND REDRAWN	4-27-12

ARKANSAS STATE HIGHWAY COMMISSION

CURBING DETAILS

STANDARD DRAWING CG-1

GENERAL NOTES:

1. ON-SITE PRIVATE PAVEMENT SUBGRADE FOR TYPE A CONCRETE CURB AND GUTTER TO BE PREPARED PER GEOTECH REPORT. ADJACENT FILL TO BE COMPACTED LOW PERMEABILITY BACKFILL PER GEOTECH REPORT.
2. PUBLIC PAVEMENT SUBGRADE TO BE PREPARED PER CITY OF MOUNTAIN HOME CONSTRUCTION STANDARDS AND MATERIALS - STREET AND DRAINAGE SECTION 9.3.
3. BACKFILL TO SLOPE AWAY FROM TOP OF CURB AT 2% MIN UNLESS OTHERWISE SHOWN ON PLANS.

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

TR
7/8/2026 2:20 PM
HARDWAY, AARON 191559 KABEL CROW WYL14, DESIGN\CAD\PLANSHEETS
PAVING DETAILS.DWG [PAVING DETAILS (1 OF 2)]

BY | DATE | REVISIONS | No.

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

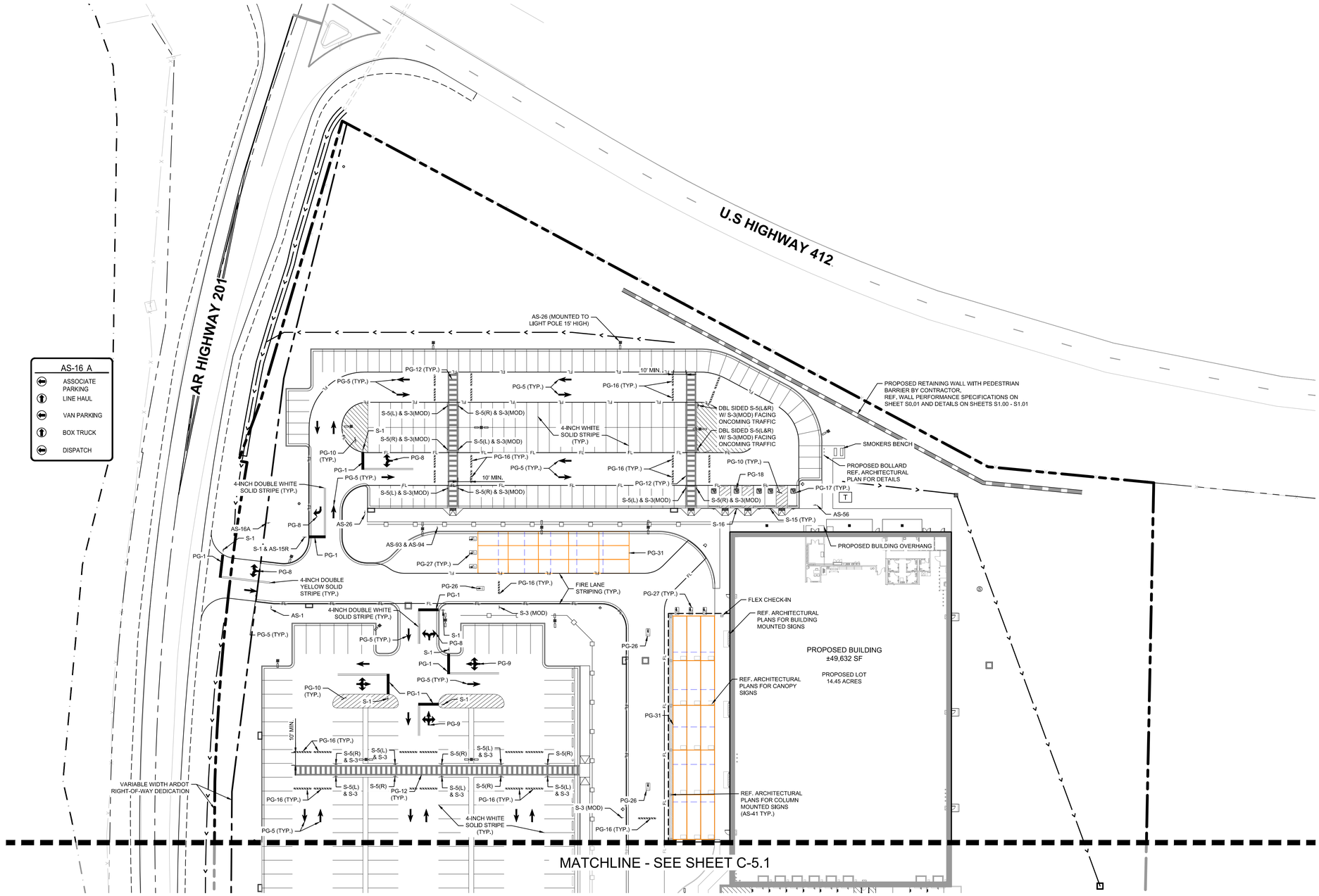
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
ARKANSAS
BAXTER COUNTY

PAVING DETAILS

SHEET NUMBER
C-4.2

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
TR - xRefs: iSite - iSrv - xExisting - xPlotdate - xHatch - xVP - xPaving - xROW - xLighting - xUtil - xSrm
J:\PROJECTS\064587901 MOUNTAIN HOME INDUSTRIAL\DESIGN\ROW\VA114_DESIGN\ADP\ALSHEETS
HARDAWAY, KYSON 7/10/2026 7:44 PM
SIGNAGE AND STRIPING PLAN.DWG

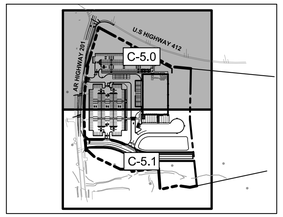


AS-16 A

- ASSOCIATE PARKING
- LINE HAUL
- VAN PARKING
- BOX TRUCK
- DISPATCH

N E S W

0 40' 80'
GRAPHIC SCALE 40'



KEYMAP
NTS

SIGNAGE LEGEND

SYMBOL	SIGN TYPE
S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP SIGN W/ 5 MPH PLACARD
S-5(L)	PEDESTRIAN CROSSING, LEFT ARROW (S-5(R) OPP.)
S-14	NO PARKING
S-15	ACCESSIBLE CAR PARKING
S-16	ACCESSIBLE VAN PARKING

TENANT SIGN FACE LEGEND

SYMBOL	SIGN TYPE
AS-1	BUILDING ADDRESS
AS-5	YARD RULES
AS-6	TRUCK ENTRANCE
AS-15 (R)	EXIT RIGHT ARROW
AS-16 (A-G)	SITE WAYFINDING
AS-26	MUSTER AREA
AS-41	NO IDLING ZONE
AS-56	ICE ALERT SIGN
AS-58	LAND ON BLUE - LOGO SIGN
AS-93	FLEX DRIVERS PARKING
AS-94	DSP DRIVERS PARKING

PAVEMENT GRAPHIC LEGEND

SYMBOL	GRAPHIC TYPE
PG-1	STOP BAR
PG-5	STRAIGHT ARROW
PG-6(L)	LEFT TURN ARROW (PG-6(R) OPP.)
PG-8	LEFT OR RIGHT TURN ARROW
PG-9	LEFT, STRAIGHT, OR RIGHT TURN ARROW
PG-10	TRAFFIC ISLAND
PG-12	CROSSWALK
PG-13	LAND ON BLUE STRIPE
PG-14	TRAILER SPACE NUMBERING
PG-16	SPEED BUMP
PG-17	ACCESSIBLE CAR PARKING
PG-18	ACCESSIBLE VAN PARKING
PG-20	PEDESTRIAN TABLE
PG-21	TRAILER PARKING STRIPING
PG-22	DOCK PARKING STRIPING GRAPHICS
PG-23	JACK STAND AREA
PG-24	WARNING LINE
PG-26	BYPASS LANE
PG-27	LOADING PAD DRIVE LANE
PG-28A	TRUCK TURN AROUND
PG-31	LAUNCH PAD STRIPE

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING PLAN (1 OF 2)

SHEET NUMBER
C-5.0

MATCHLINE - SEE SHEET C-5.0

AR HIGHWAY 201

VARIABLE WIDTH ARDOT RIGHT-OF-WAY DEDICATION

4-INCH WHITE SOLID STRIPE (TYP.)

10' MIN.

4-INCH BROKEN WHITE LANE LINE

4-INCH SOLID WHITE LANE LINE

REF. SHEETS C-10.0 - C-10.2 FOR PROPOSED ROADWAY IMPROVEMENTS

25 MPH SPEED LIMIT SIGN

4-INCH DOUBLE YELLOW SOLID STRIPE (TYP.)

W14-2 NO OUTLET SIGN

PUBLIC ROADWAY
(A PROPOSED 60-FOOT RIGHT-OF-WAY)

REF. ARCHITECTURAL PLANS FOR BULDING MOUNTED SIGNS

PROPOSED RETAINING WALL WITH PEDESTRIAN BARRIER
REF. STRUCTURAL PLANS FOR DETAILS

AS-26 (MOUNTED TO LIGHT POLE 15' HIGH)

FIRE LANE STRIPING (TYP.)

PROPOSED RETAINING WALL WITH VEHICLE AND PEDESTRIAN BARRIERS BY CONTRACTOR
REF. WALL PERFORMANCE SPECIFICATIONS ON SHEET S0.01 AND DETAILS ON SHEETS S1.00 - S1.01

PROPOSED STORMWATER POND
REF. SHEET C-7.2 FOR DETAILS

PROPOSED RETAINING WALL WITH VEHICLE AND PEDESTRIAN BARRIERS BY CONTRACTOR. REFER TO WALL PERFORMANCE SPECIFICATIONS SHEET S0.01 AND DETAILS ON SHEETS S1.00 - S1.01

100-YR FEMA FLOODPLAIN LIMITS

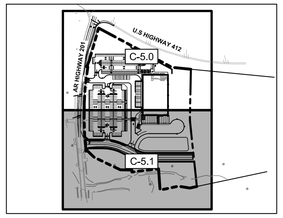
AS-16 B
- ASSOCIATE PARKING
- LINE HAUL
- VAN PARKING
- BOX TRUCK
- DISPATCH

AS-16 C
- ASSOCIATE PARKING
- LINE HAUL
- VAN PARKING
- BOX TRUCK
- DISPATCH

AS-16 D
- ASSOCIATE PARKING
- LINE HAUL
- VAN PARKING
- BOX TRUCK
- DISPATCH

N E S W

0 40' 80'
GRAPHIC SCALE 40'



KEYMAP
NTS

SIGNAGE LEGEND

SYMBOL	SIGN TYPE
S-1	STOP SIGN
S-2	DO NOT ENTER
S-3	SPEED LIMIT, 5 MPH
S-3(MOD)	SPEED BUMP SIGN W/ 5 MPH PLACARD
S-5(L)	PEDESTRIAN CROSSING, LEFT ARROW (S-5(R) OPP.)
S-14	NO PARKING
S-15	ACCESSIBLE CAR PARKING
S-16	ACCESSIBLE VAN PARKING

TENANT SIGN FACE LEGEND

SYMBOL	SIGN TYPE
AS-1	BUILDING ADDRESS
AS-5	YARD RULES
AS-6	TRUCK ENTRANCE
AS-15 (R)	EXIT RIGHT ARROW
AS-16 (A-G)	SITE WAYFINDING
AS-26	MUSTER AREA
AS-41	NO IDLING ZONE
AS-56	ICE ALERT SIGN
AS-58	LAND ON BLUE - LOGO SIGN
AS-93	FLEX DRIVERS PARKING
AS-94	DSP DRIVERS PARKING

PAVEMENT GRAPHIC LEGEND

SYMBOL	GRAPHIC TYPE
PG-1	STOP BAR
PG-5	STRAIGHT ARROW
PG-6(L)	LEFT TURN ARROW (PG-6(R) OPP.)
PG-8	LEFT OR RIGHT TURN ARROW
PG-9	LEFT, STRAIGHT, OR RIGHT TURN ARROW
PG-10	TRAFFIC ISLAND
PG-12	CROSSWALK
PG-13	LAND ON BLUE STRIPE
PG-14	TRAILER SPACE NUMBERING
PG-16	SPEED BUMP
PG-17	ACCESSIBLE CAR PARKING
PG-18	ACCESSIBLE VAN PARKING
PG-20	PEDESTRIAN TABLE
PG-21	TRAILER PARKING STRIPING
PG-22	DOCK PARKING STRIPING GRAPHICS
PG-23	JACK STAND AREA
PG-24	WARNING LINE
PG-26	BYPASS LANE
PG-27	LOADING PAD DRIVE LANE
PG-28A	TRUCK TURN AROUND
PG-31	LAUNCH PAD STRIPE

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING PLAN (2 OF 2)

SHEET NUMBER
C-5.1

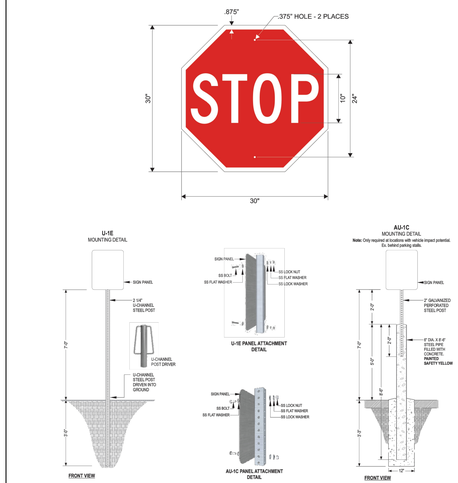
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
XREFS
DWG NAME

TR - xFrame xSite xSurv xExisting xProposal xHatch xVP xPaving xROW xLighting xUtil xStorm
Oct 09, 2025 - 7:46 PM
KYOSHI.TAYLOR
C:\USERS\KYOSHI.TAYLOR\DESKTOP\TRAMMELL CROW NYL14_DESIGN\CAD\PLANSHEETS\SIGNAGE AND STRIPING\C-5.1 SIGNAGE AND STRIPING PLAN (2 OF 2).DWG

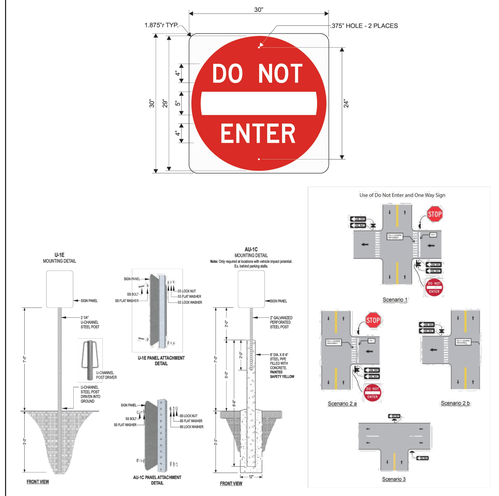
SAFETY COLORS

Color Name	Color	Gloss Vinyl	Reflective Vinyl	Paint
Safety Red		PMS 186C		
Safety Orange		PMS 151C		
Safety Yellow		PMS 109C		
Safety Green		PMS 335C		



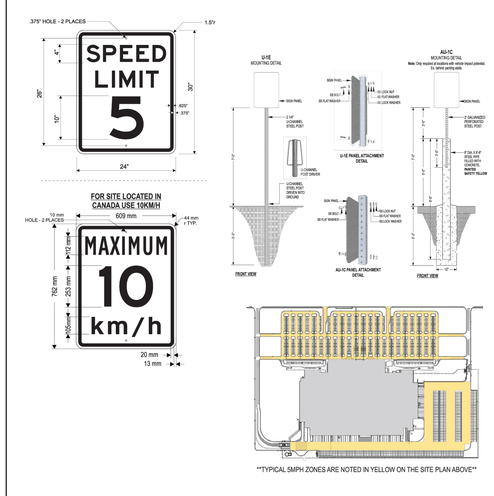
INSTALLED BY CONSTRUCTION

Designation: S-1	Notes:	Colors:
Description: Stop Sign / MUTCD R1-1	For use at single lane intersections. (See S-1b for multiple lanes) Use at intersections in parking lot and drive aisles. Post and panel mount. No sign shall be mounted on the back of a stop sign that extends beyond the edges of the stop sign.	TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



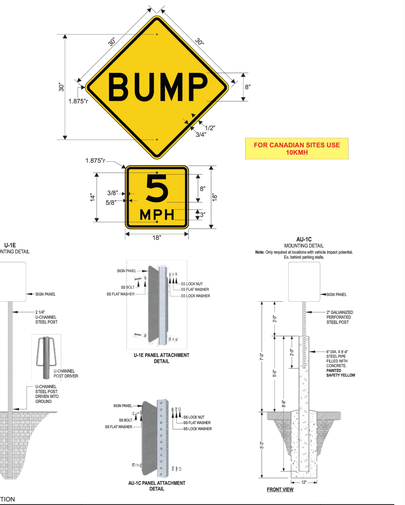
INSTALLED BY CONSTRUCTION

Designation: S-2	Notes:	Colors:
Description: Do Not Enter Sign (30") / MUTCD R5-1	Use to prohibit travel in the wrong direction. Typical at one-way roads. Post and panel mount. **Designer's Note:** Do Not Enter sign shall not be mounted to the back of a stop sign.	TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



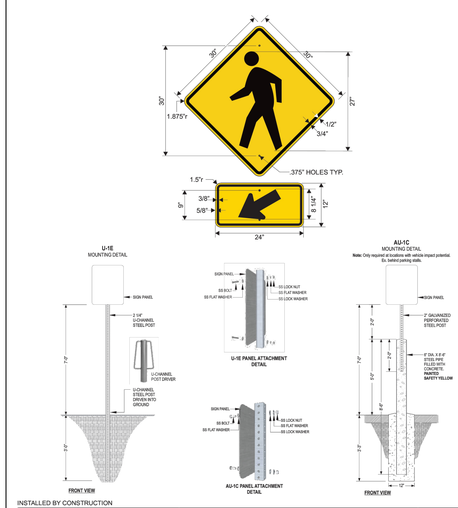
INSTALLED BY CONSTRUCTION

Designation: S-3	Notes:	Colors:
Description: Speed Limit 5mph (30") Sign MUTCD R2-1	For use at single lane aisles. (See S-3b for multiple lanes) Use to control vehicle speed along drive aisles with adjacent parking spots. Post and panel mount.	OPAQUE BLACK, REFLECTIVE WHITE
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



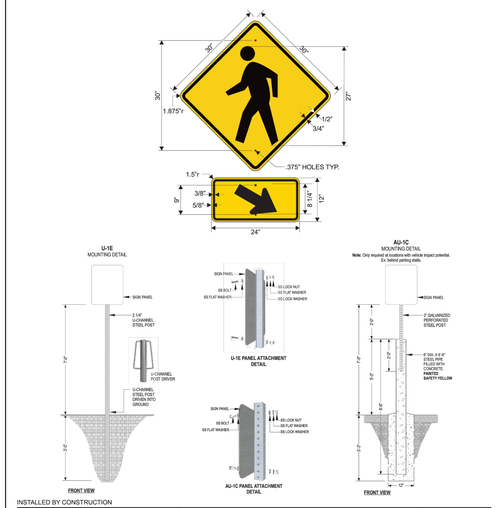
INSTALLED BY CONSTRUCTION

Designation: S-3(Mod)	Notes:	Colors:
Description: Bump/Speed Limit 5mph Sign MUTCD W8-1 AND W13-1P	DOT standard SPEED BUMP sign, with 5 MPH sign supplemental placard. Use at speed bumps. Post and panel mount.	OPAQUE BLACK, REFLECTIVE YELLOW
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



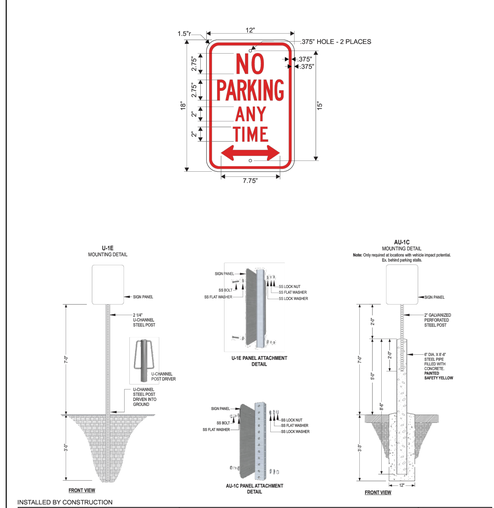
INSTALLED BY CONSTRUCTION

Designation: S-5(L)	Notes:	Colors:
Description: Pedestrian Walking Sign / MUTCD W11-2 and W16-7pL	DOT standard PEDESTRIAN CROSSING sign with LEFT arrow. 30" x 30" sign with 12" x 24" placard DOT standard PEDESTRIAN CROSSING sign with arrow. Use at mid-block pedestrian crossings. Post and Panel mount. **Designer's Note:** LED lights or Rectangular Rapid Flash Beacon may be added at high traffic intersections as determined by Civil Engineer / WHS This sign shall not be used at stop controlled intersections.	OPAQUE BLACK, REFLECTIVE YELLOW
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



INSTALLED BY CONSTRUCTION

Designation: S-5(R)	Notes:	Colors:
Description: Pedestrian Walking Sign / MUTCD W11-2 and W16-7pR	DOT standard PEDESTRIAN CROSSING sign with RIGHT arrow. 36" x 30" sign with 12" x 24" placard DOT standard PEDESTRIAN CROSSING sign with arrow. Use at mid-block pedestrian crossings. Post and Panel mount. **Designer's Note:** LED lights or Rectangular Rapid Flash Beacon may be added at high traffic intersections as determined by Civil Engineer / WHS This sign shall not be used at stop controlled intersections.	OPAQUE BLACK, REFLECTIVE YELLOW
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



INSTALLED BY CONSTRUCTION

Designation: S-14	Notes:	Colors:
Description: No Parking Sign/MUTCD R7-1	Use to prohibit parking. Post and panel mount.	TRANSPARENT RED, REFLECTIVE WHITE
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED BY KHBROWN
PLOTTED BY KHBROWN
DWG NAME S:\SIGNAGE AND STRIPING\DETAILS\SIGNAGE AND STRIPING DETAILS 1 OF 6.DWG
PLOT DATE 1/8/2026 2:29 PM
XREFS
SIGNAGE AND STRIPING DETAILS 1 OF 6.DWG

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

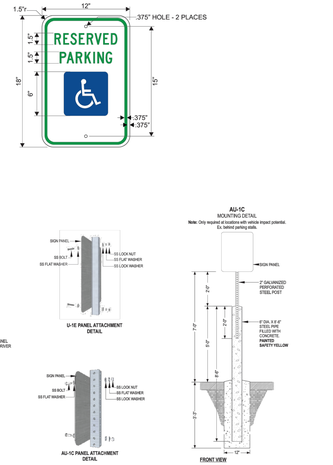
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

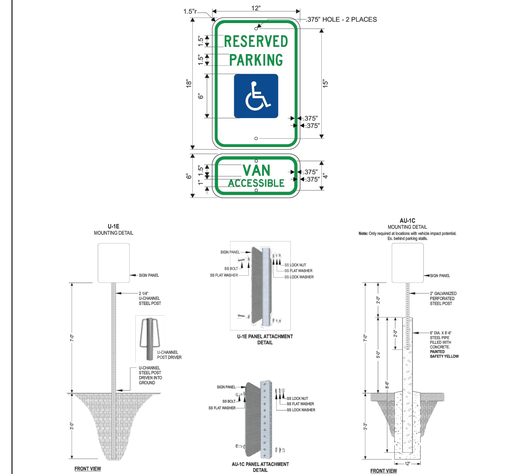
SIGNAGE AND STRIPING DETAILS (1 OF 6)

SHEET NUMBER
C-5.2



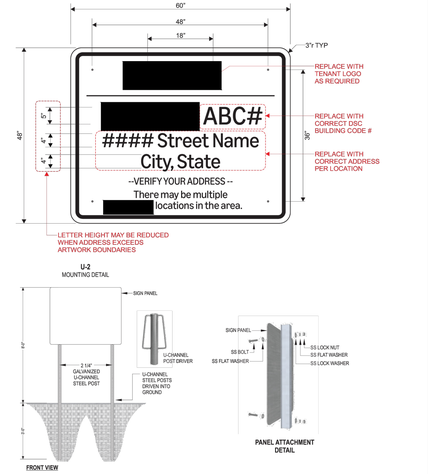
INSTALLED BY CONSTRUCTION

Designation: S-15	**Notes:** Use to demarcate accessible parking spaces. Post and panel mount. One sign per space or as req'd by local authority. Graphic shall be substituted with local equivalent based on project specific regulations.	**Colors:** TRANSPARENT GREEN, REFLECTIVE WHITE, TRANSPARENT BLUE
Description: Accessible Parking/ MUTCD R7-8		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



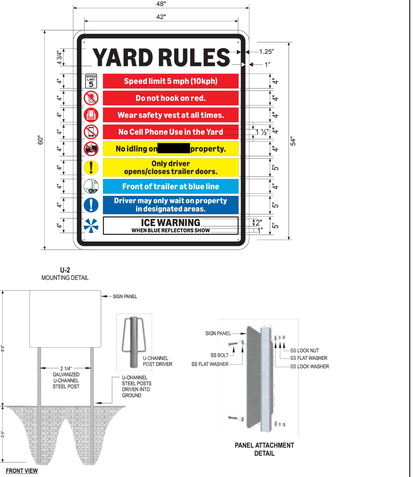
INSTALLED BY CONSTRUCTION

Designation: S-16	**Notes:** Use to demarcate van accessible parking spaces. Post and panel mount. One sign per space or as req'd by local authority. Graphic shall be substituted with local equivalent based on project specific regulations.	**Colors:** TRANSPARENT GREEN, REFLECTIVE WHITE, TRANSPARENT BLUE
Description: Accessible Parking Van MUTCD R7-8P		
Substrate: .080" Alum.		
Graphics: Digitally printed graphics on high intensity reflective sheeting		



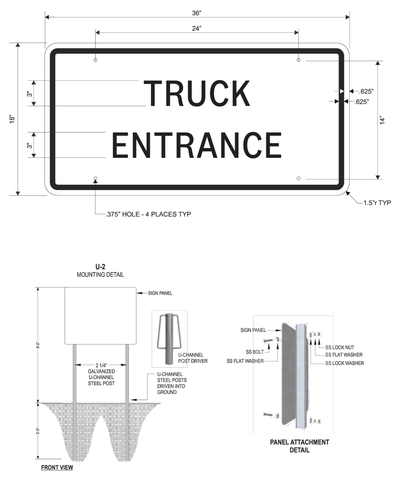
INSTALLED BY CONSTRUCTION

Designation: AS-1	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways. Use at all entrances to public roadway that do not have a monument sign. Post (x2) and panel mount Black text [redacted] on Reflective White background.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Description: Amazon Signage - Building Address		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		



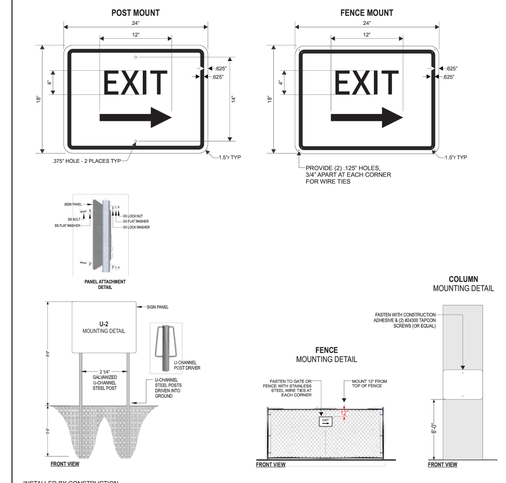
INSTALLED BY CONSTRUCTION

Designation: AS-5	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Graphics** : Direct print graphics **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE, SAFETY RED PMS 185C (FS 11), MASTER BLUE PMS 300C, SAFETY YELLOW PMS 109C (FS13), SHOP OP TRAILER MUST STOP HERE, SAFETY YELLOW PMS 109C (FS13), SW CUSTOM COAT Colored EZ Bi 94 SW U-Maxx 24 S2 - -
Description: Yard Rules		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: Direct printed graphics		



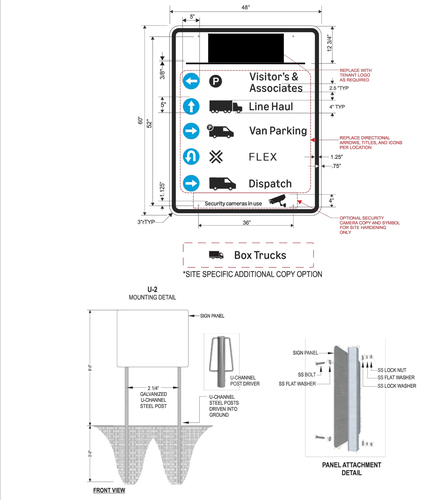
INSTALLED BY CONSTRUCTION

Designation: AS-6	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways. Use to demarcate truck entrance.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Description: Truck Entrance		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		



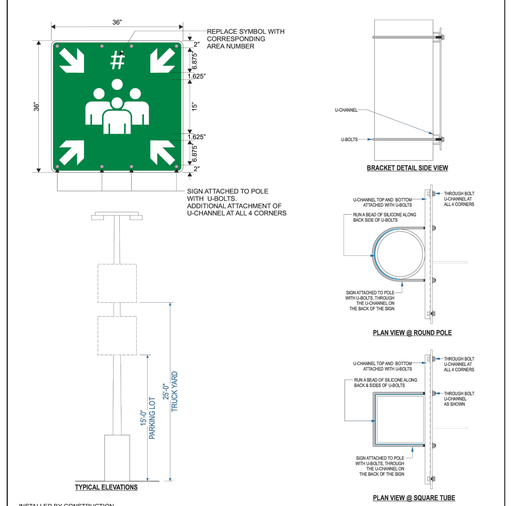
INSTALLED BY CONSTRUCTION

Designation: AS-15(R)	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy **Font** : Ember Modern Display Standard **Installation** : Mount to inward facing side of gate or fence. Sign can also be mounted to a column. **OPTIONAL Installation**: Mounted with 2" square galvanized steel post, footings & breakaways.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE
Description: Exit Right Arrow		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 -OR- Direct printed graphics		



INSTALLED BY CONSTRUCTION

Designation: AS-16a	**Notes:** **Panel** : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners **Copy** : Die-cut 3M Cast vinyl -OR- Direct print copy **Font** : Ember Modern Display Standard **Installation** : Mounted with (2) square galvanized steel post, footings & breakaways. Use to direct traffic at intersections. Adjust directional arrows and titles per site location.	**Colors:** OPAQUE BLACK, REFLECTIVE WHITE, PRIME BLUE
Description: Site Wayfinding		
Substrate: .080" Pre-Finished Alum. Sheet		
Graphics: 3M Black Vinyl 230-22 & 3M Olympic Blue 3630-57 -OR- Direct printed graphics		



INSTALLED BY CONSTRUCTION

Designation: AS-26	**Notes:** Replace "#" with corresponding area number (see plans). Pole mounted at 15'-0" above finished grade in car parking lot and 20'-0" above finished grade in trailer yard - see detail. White graphics on CB green (PMS 348C) background. **Designer's Note:** A muster point is a designated place or an area where all employees or a large crowd assemble in case of an emergency in a building or public place. It is also knows as an emergency assembly point. (EAP), or, simply, assembly point. All muster points shall be place a minimum of 50' from a building.	**Colors:** WHITE, PMS 348 C
Description: Muster Area		
Substrate: .080" Alum. Pre-finished White		
Graphics: Direct Digital Print		

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
ITB
LAST SAVED 6/8/2026 2:28 PM
PLOTTED BY KHARDAWAY, KYSON 7/10/2026 7:46 PM
DWG NAME K:\BXC_2026\064587901\CAD\PLANSHEETS\SIGNAGE AND STRIPING DETAILS (2 OF 6).DWG

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

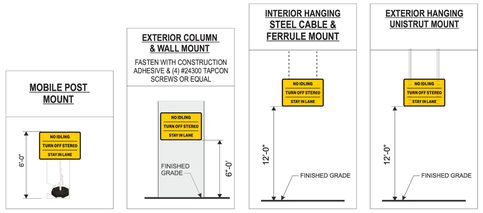
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING DETAILS (2 OF 6)

SHEET NUMBER
C-5.3

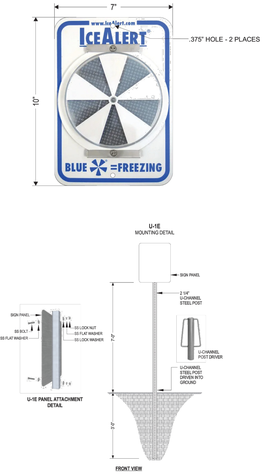


INSTALLED BY CONSTRUCTION

Designation:	**AS-41**
Description:	No Idling Zone - 24" X 36"
Substrate:	.080" Pre-Finished Alum. Sheet
Graphics:	.080" Pre-Finished Alum. Sheet 3M Black Vinyl 230-22 -OR- Direct printed graphics

Notes:
At Exterior: Mount to nearby columns at launch pads or at a post out of lane of traffic in the queuing pad. In the absence of a column, mount to a unistrut at 12' from bottom of signage to finished grade level, (2) per pad at the beginning of the launch or queuing pad.
Font: Ember Modern Display Bold
At Interior Parking Areas: Mount to a nearby column or wall at interior queuing lane at 6'-0" from bottom of sign, in the absence of a nearby column or wall, mount sign to a post with 60 lbs. base at 6'-0" from top of signage to finished grade level or hang from structure above via 1/16" x 90 lbs. workload, coated steel cable w/ ferrule, (2) per launch pad spaced out of the lane of traffic.
Assy. to Include: 60 lbs Weighted Rubber Base + 8' Plastic 1.75" Square Post + Mounting Hardware

Colors: OPAQUE BLACK; YELLOW PMS 116 C



INSTALLED BY CONSTRUCTION

Designation:	**AS-56**
Description:	Freezing Temperature Warning sign
Substrate:	.080" Alum.
Graphics:	Stock Item

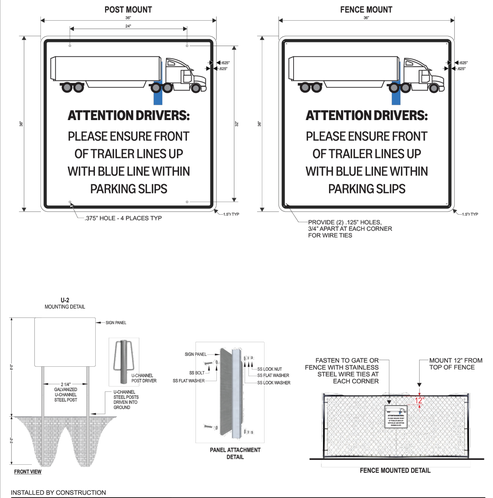
Notes:
Used to indicate freezing temperatures. Required at sites with winter temperatures of 35 degrees F (1.6 degrees C) or less.

Post and panel mount. 2" Galvanized, perforated U-channel post,direct buried into soil 3ft. (No footing required) IceAlert® unit is mounted on a 7" x 10" backing sign which graphically indicates that "a blue star means freezing temperatures."

Install IceAlert® Reflectors slightly below eye-level (approximately 4'6"), FACING TRAFFIC in parking lots, on walkways and outside of each exit door so everyone passes one on the way in or out.

Signs can be purchased at: https://www.icealert.com/ice-alert

Colors: TRANSPARENT BLUE; REFLECTIVE WHITE



INSTALLED BY CONSTRUCTION

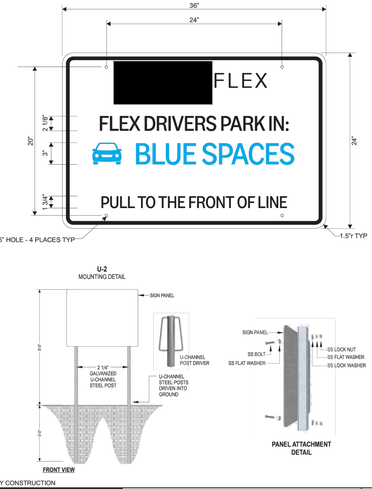
Designation:	**AS-58**
Description:	Land on Blue - Logo Sign
Substrate:	.080" Pre-Finished Alum. Sheet
Graphics:	Direct printed graphics

Notes:
Panel : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners
Copy : Die-cut 3M Cast Black vinyl 230-22 -OR- Direct print black copy
Font : Ember Modern Display Standard & Bold
Installation : Mounted with (2) square galvanized steel post, footings & breakaways.

OPTIONAL Installation: Mount to inward facing side of gate or fence.

Designer Note: Minimum one sign required at entry to truck yard; minimum one additional sign for each side of building where trailer parking present.
Use in conjunction with PG-13 "Land on Blue Stripe".

Colors: OPAQUE BLACK; REFLECTIVE WHITE; MIDNIGHT BLUE 3M COLOR ORD # 230B10

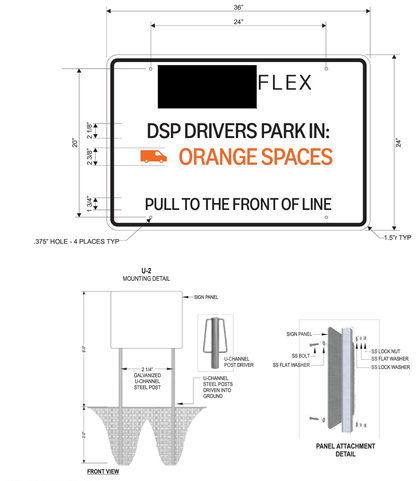


INSTALLED BY CONSTRUCTION

Designation:	**AS-93**
Description:	Flex Drivers Parking
Substrate:	.080" Pre-Finished Alum. Sheet
Graphics:	Digitally Printed or Direct Print Graphics

Notes:
Panel : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners
Copy : Digitally printed -OR- Direct print black copy
Font : Ember Modern Display Standard
Installation : Mounted with (2) square galvanized steel post, footings & breakaways.

Colors: OPAQUE BLACK; REFLECTIVE WHITE; PRIME BLUE

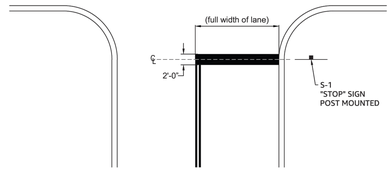


INSTALLED BY CONSTRUCTION

Designation:	**AS-94**
Description:	DSP Drivers Parking
Substrate:	.080" Pre-Finished Alum. Sheet
Graphics:	Digitally Printed or Direct Print Graphics

Notes:
Panel : 1/8" Alum. panel with high intensity reflective white sheeting. Panels to have radiused corners
Copy : Digitally printed -OR- Direct print black copy
Font : Ember Modern Display Standard
Installation : Mounted with (2) square galvanized steel post, footings & breakaways.

Colors: OPAQUE BLACK; REFLECTIVE WHITE; SMILE ORANGE



INSTALLED BY CONSTRUCTION

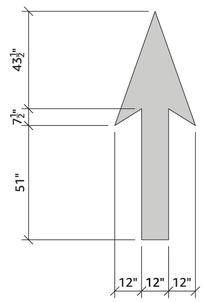
Designation:	**PG-1**
Description:	Pavement Graphics Stop Bar
Substrate:	PAVEMENT
Graphics:	Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)

Notes:
Used at all STOP sign (S-1 or S-1b) locations.

Stop and yield lines should be placed a minimum of 4' in advance of and parallel to the nearest crosswalk line at controlled intersections. In the absence of a marked crosswalk, the stop line should be placed at the desired stopping point, but should be placed no more than 30' nor less than 4' from the nearest edge of the intersecting traveled way. Stop lines should be placed to allow sufficient sight distance to all other approaches to an intersection.

Guidance for 'STOP' pavement graphic: MUTCD Section 3B.20 Pavement Word, Symbol, and Arrow Markings. (source: https://mutcd.fhwa.dot.gov/htm/2009/part3/part3b.htm#section3B20)
Guidance: Letters and numerals should be 6 feet or more in height.

Colors: C1 WHITE



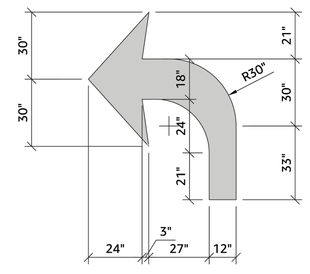
INSTALLED BY CONSTRUCTION

Designation:	**PG-5**
Description:	Pavement Graphics/Straight Arrow
Substrate:	PAVEMENT
Graphics:	Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)

Notes:
Used to direct traffic at one-way drive aisles.

Color shall be white on asphalt and yellow on concrete, unless otherwise noted.

Colors: C1 WHITE; SAFETY YELLOW PMS 109 C



INSTALLED BY CONSTRUCTION

Designation:	**PG-6L**
Description:	Pavement Graphics/Left Turn
Substrate:	PAVEMENT
Graphics:	Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)

Notes:
Used to indicate left turning lanes.

Color shall be white on asphalt and yellow on concrete, unless otherwise noted.

PG-6R opposite arrow.

Colors: C1 WHITE; SAFETY YELLOW PMS 109 C

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
TB
LAST SAVED 6/8/2026 2:29 PM
LAST SAVED BY KHARDAWAY, KYSON 7/10/2025 7:46 PM
PLOTTED BY KHARDAWAY, KYSON 7/10/2025 7:47 PM
DWG NAME SIGNAGE AND STRIPING DETAILS.DWG [SIGNAGE AND STRIPING DETAILS (3 OF 6)]

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

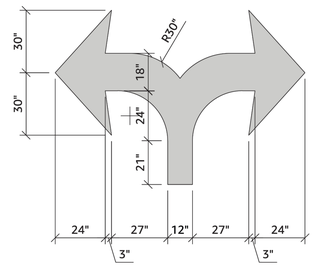
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT	064587901
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	KCH
DRAWN BY	KCH
CHECKED BY	MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

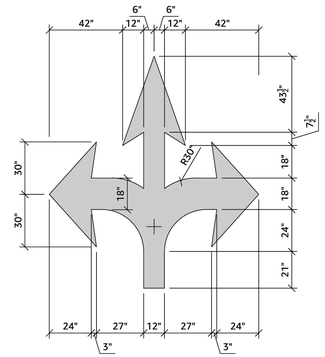
SIGNAGE AND STRIPING DETAILS (3 OF 6)

SHEET NUMBER
C-5.4



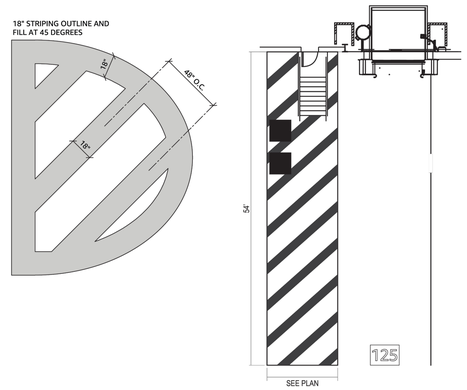
INSTALLED BY CONSTRUCTION

Designation: PG-8	**Notes:** Used to indicate left or right turning lanes. Color shall be white on asphalt and yellow on concrete, unless otherwise noted.	**Colors:** C1 WHITE; SAFETY YELLOW PMS 109 C
Description: Pavement Graphics/Left or Right Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



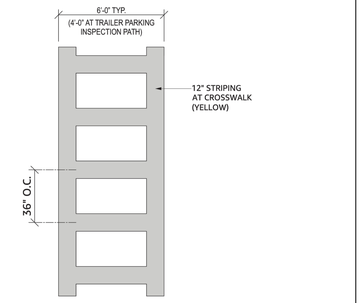
INSTALLED BY CONSTRUCTION

Designation: PG-9	**Notes:** Used to indicate left, straight, or right turning lanes. Color shall be white on asphalt and yellow on concrete unless otherwise noted.	**Colors:** WHITE; SAFETY YELLOW
Description: Pavement Graphics/Left, Straight or Right Turn		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



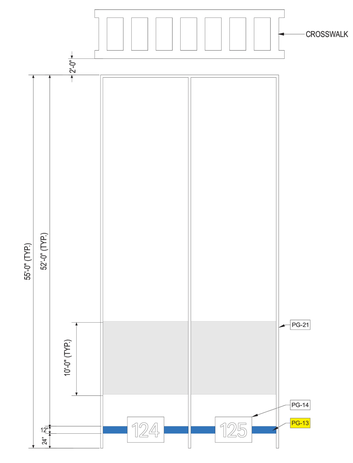
INSTALLED BY CONSTRUCTION

Designation: PG-10	**Notes:** 18" striping outline and fill at 45 degrees. Used to prohibit vehicle travel and parking. C3 yellow at NO TRAFFIC, C8 accessible blue at ACCESSIBLE PARKING, C1 white at VENDOR PARKING. Included at emergency exits into the parking lot at all parking spaces that impede direct access to the thoroughfare.	**Colors:** C1 WHITE; SAFETY YELLOW PMS 109 C; C8 BLUE
Description: Pavement Graphics/prohibit vehicle travel and parking.		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



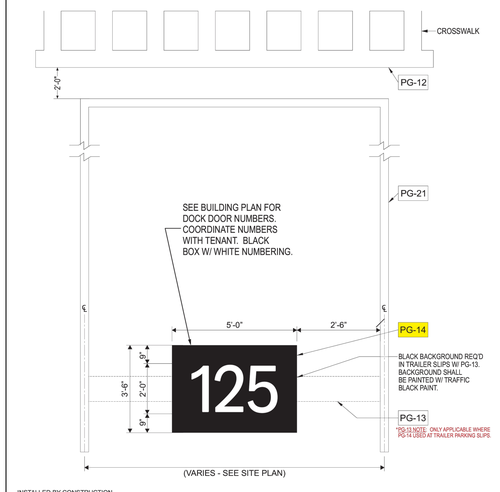
INSTALLED BY CONSTRUCTION

Designation: PG-12	**Notes:** Used to direct driver entrance in dock field. Position in truck court to correspond with the location of the truckers lounge and truckers entry points. Partner with WHS and TOM to find closest approved exit door to guard shack. Designate a parking area for the hostler vehicle(s). Provide walking space around the parking area for the pre-operational inspection. Partner with base building manager (if applicable) to mark a crosswalk from the building exit point to the guard shack and hostler parking areas using the shortest logical path. Associates will need to be inside this path to transit the yard without a spotter.	**Colors:** WHITE; SAFETY YELLOW PMS 109 C
Description: Pavement Graphics - Driver Entrance Pathway		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



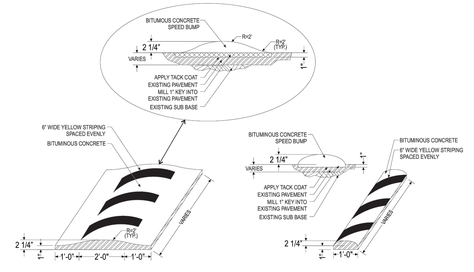
INSTALLED BY CONSTRUCTION

Designation: PG-13	**Notes:** Used to communicate and notify the drivers to rest the landing gear on the blue line withing the parking stp. Use in conjunction with AS-58 "ALIGN TO BLUE" informational sign. Coordinate with project team. Use glass beads for retro-reflective quality at stop bars, crosswalks, pedestrian corridors, and lane striping (center lines, shoulders, gore areas, etc.). Conform to AASHTO M 247 for the type specified. Treat glass beads with an adherence coating as recommended by manufacturer Ensure that the paint without glass beads has a minimum directional reflectance, relative to a magnesium oxide standard, of 80 percent for white and 50% for yellow when tested according to ASTM E1347.	**Colors:** SAFETY YELLOW; SW CUSTOM COLOR * Cabernet 02 32 64 128; LT-Blue 24 32 - -
Description: Pavement Graphics / Land on Blue Stripe		
Substrate: PAVEMENT		
Graphics: Traffic Paint		



INSTALLED BY CONSTRUCTION

Designation: PG-14	**Notes:** Used to label dock door slips and trailer spaces. Typical for all truck spaces. Coordinate numbers with Tenant. Three digits for dock doors (PG-14), three or four digits for trailer parking slips (PG-14 or PG-14A). **Font:** Ember Modern Display Standard	**Colors:** C1 WHITE; C2 BLACK
Description: Pavement Graphics / Dock Parking Number		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

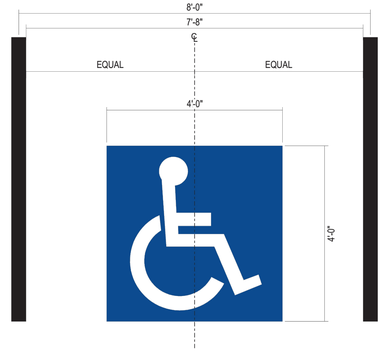


BITUMINOUS CONCRETE SPEED BUMP DETAIL ALTERNATE 1

BITUMINOUS CONCRETE SPEED BUMP DETAIL ALTERNATE 2

INSTALLED BY CONSTRUCTION

Designation: PG-16	**Notes:** Use to control speed at interior drive aisles with 5 mph (10 kmph) speeds. Reflective yellow stripe. **Designer's Note:** All speed bumps shall be asphalt or concrete. Heavy duty rubber speed bumps are not permitted. The speed bump should be 2.25 to 2.5 inches high as measured from the road surface to the highest point on the speed bump and 1 foot wide (in the direction of travel) from the leading edge to the termination edge. The radius of curvature should be no more than 24 inches and no less than 36 inches. Speed bumps must be painted with yellow caution stripes oriented perpendicular or diagonal to the long axis of the bump to indicate it's presence and that there is a change in elevation. The stripes should be evenly spaced and a width ranging from 6 to 8 inches.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics - Small Speed Bump		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



INSTALLED BY CONSTRUCTION

Designation: PG-17	**Notes:** Used to indicate accessible parking spaces. 4'-0" x 4'-0" Use at all accessible parking spaces. White symbol with Accessible Blue background.	**Colors:** BLUE PMS 293; C1 WHITE
Description: Pavement Graphics / Accessible Stall		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

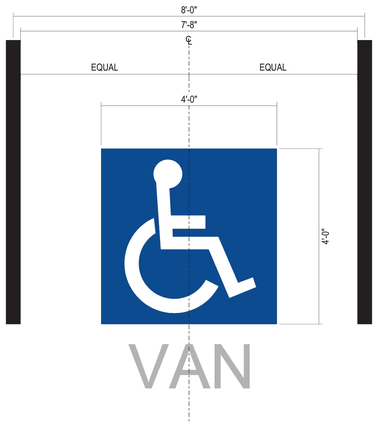
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING DETAILS (4 OF 6)

SHEET NUMBER
C-5.5

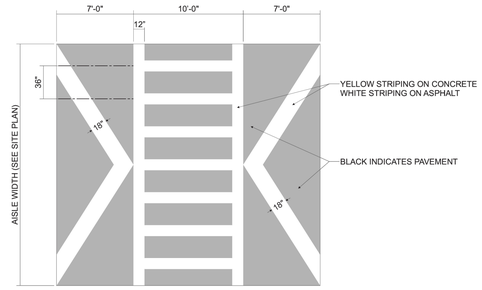
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED 7/8/2026 2:29 PM
PLOTTED BY KHMOORE, KYSON 7/10/2026 7:46 PM
PLOTTED ON 24x36 (1:1)
DWG NAME S:\SIGNAGE AND STRIPING DETAILS.DWG [SIGNAGE AND STRIPING DETAILS (4 OF 6)]



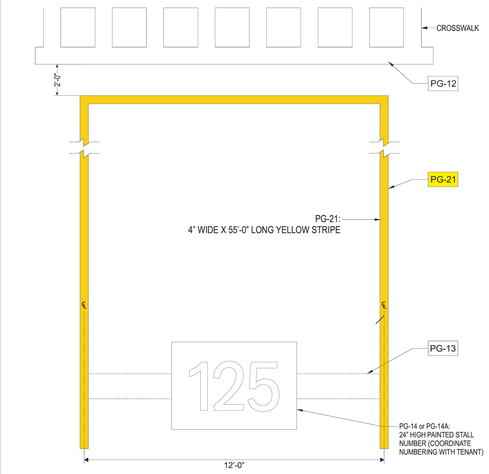
INSTALLED BY CONSTRUCTION

Designation: PG-18	**Notes:** Used to indicate van accessible parking spaces. 4'-0" x 8'-0 1/2" Use at all van accessible parking spaces. White symbol with Accessible Blue background, and white text.	**Colors:** BLUE PMS 293; C1 WHITE
Description: Pavement Graphics / Accessible Van Stall		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



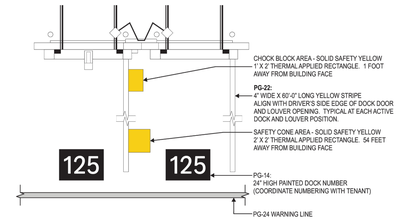
INSTALLED BY CONSTRUCTION

Designation: PG-20	**Notes:** Used to indicate crosswalks at high traffic areas (ex. main entrance). Striping applied on raised pedestrian table.	**Colors:** SAFETY YELLOW PMS 109 C; C1 WHITE
Description: Pavement Graphics / Pedestrian Table		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



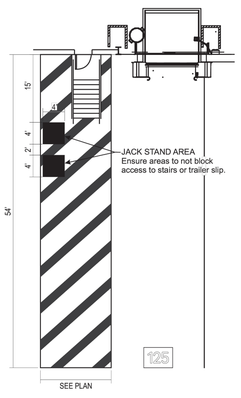
INSTALLED BY CONSTRUCTION

Designation: PG-21	**Notes:** Used to mark empty trailer parking slips.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics / Trailer Parking Striping		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



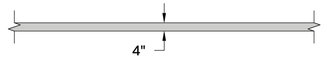
INSTALLED BY CONSTRUCTION

Designation: PG-22	**Notes:** Used to identify dock parking. Yellow striping, Chock Block and Safety Cone areas to be located on passenger side. Align stripe with driver's side edge of dock door or louver opening. Typical at each active dock and louver position. Provide Orange warning line (PG-24) at parking spaces 66' alongside building wall. Shown: PG-14, PG-22, and PG-24.	**Colors:** SAFETY YELLOW PMS 109 C
Description: Pavement Graphics / Dock Door Parking Striping		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



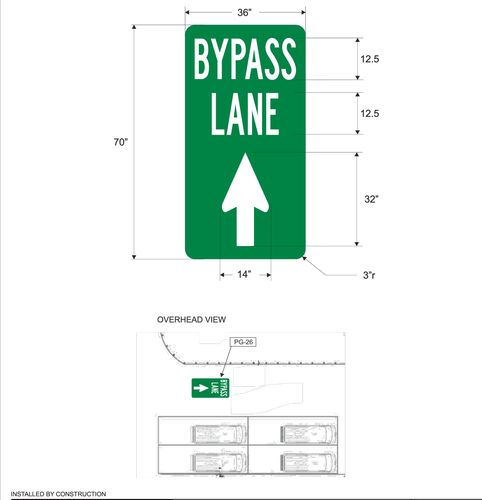
INSTALLED BY CONSTRUCTION

Designation: PG-23	**Notes:** 4' x 4' Solid black square. Used to identify jack stand locations. NOTE: Jack stand areas only applicable at striped areas with same elevation as surrounding surface (raised curbs cannot accommodate jack stands).	**Colors:** C2 BLACK
Description: Pavement Graphics / Jack Stand Areas		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



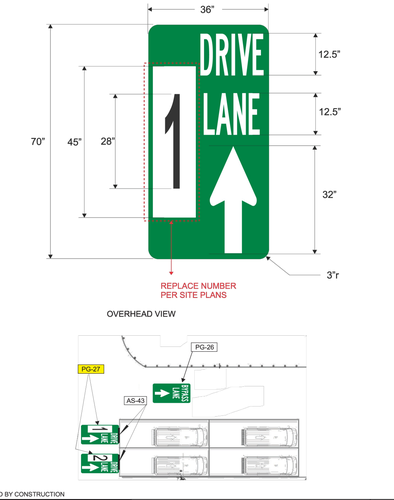
INSTALLED BY CONSTRUCTION

Designation: PG-24	**Notes:** 4" wide stripe to be 69' away from building wall at dock door parking, and 8' away from the far end of the dock parking spaces.	**Colors:** C11 ORANGE
Description: Pavement Graphics / Warning Line		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



INSTALLED BY CONSTRUCTION

Designation: PG-26	**Notes:** Used to designate the bypass lane at queuing and loading. At Exterior Loading: Floor graphic, (1) per pad at center of bypass lane and at the beginning of queuing and launch pads. **Font:** ClearviewHwy NOTE: If AS-42 is to be utilized, do not use PG-26. Do not use PG-26 and AS-42 at the same location.	**Colors:** GREEN PMS 348 C; WHITE
Description: Pavement Graphics / Van Queuing		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



INSTALLED BY CONSTRUCTION

Designation: PG-27	**Notes:** Use to designated the drive lanes at queuing and loading pads. At Interior/Exterior Pads: Floor graphic, (1) per parking space, at the beginning of each queuing or loading pad, centered in each individual lane. Drive lanes shall be numbered. **Font:** ClearviewHwy If AS-43 is to be utilized, do not use PG-27. Do not use PG-27 and AS-43 at the same location.	**Colors:** GREEN PMS 348 C; WHITE; BLACK
Description: Pavement Graphics / Van Queuing		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
ITB
LAST SAVED
6/8/2026 2:29 PM
PLOTTED BY
KHMACVAN, KHSON 7/10/2026 7:46 PM
PLOTTED
DWG NAME
C:\Users\KHMACVAN\Kimley-Horn\MOUNTAIN HOME INDUSTRIAL - DESIGN\CAD\PLANSHEETS\SIGNAGE AND STRIPING DETAILS (5 OF 6).DWG

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

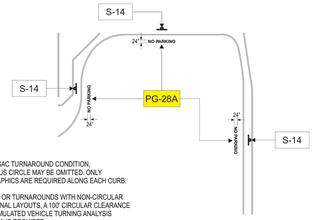
MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING DETAILS (5 OF 6)

SHEET NUMBER
C-5.6

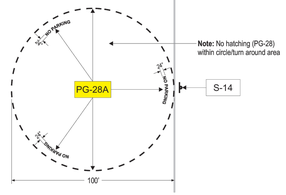
OPTION 1



NOTE: IN CUL-DE-SAC TURNAROUND CONDITION, DASHED 100' RADIUS CIRCLE MAY BE OMITTED. ONLY "NO PARKING" GRAPHICS ARE REQUIRED ALONG EACH CURB.

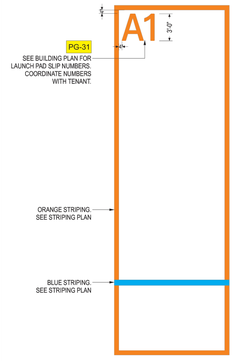
FOR CUL-DE-SACS OR TURNAROUNDS WITH NON-CIRCULAR OR UNCONVENTIONAL LAYOUTS, A 100' CIRCULAR CLEARANCE OR COMPUTER-SIMULATED VEHICLE TURNING ANALYSIS (AUTOTURN STUDY) IS REQUIRED.

OPTION 2

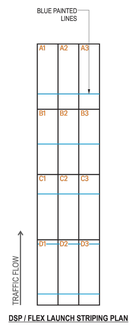


INSTALLED BY CONSTRUCTION

Designation: PG-28A	**Notes:** Used to indicate truck turn around area with in truck yards. Color shall be white on asphalt and yellow on concrete unless otherwise noted. **Designer Note:** No hatching withing circle/turn around area	**Colors:** C1 WHITE; SAFETY YELLOW PMS 109 C
Description: Truck Turn Around Area		
Substrate: PAVEMENT		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		



REFER TO TEMPLATE FOR ALL STALL DIMENSIONS



DSP / FLEX LAUNCH STRIPING PLAN

INSTALLED BY CONSTRUCTION

Designation: PG-31	**Notes:** Used for launch pad numbering. The labels are to consist numbers and are provided to help van drivers navigate between their assigned queuing and loading spots. Coordinate numbers with Tenant.	**Colors:** SAFETY ORANGE PMS 151 C; PMS 2695C
Description: Pavement Graphics / Launch Pad Stripe		
Substrate: Pavement		
Graphics: Traffic Paint (See Pavement Graphics General Notes for Alternate Materials)		

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

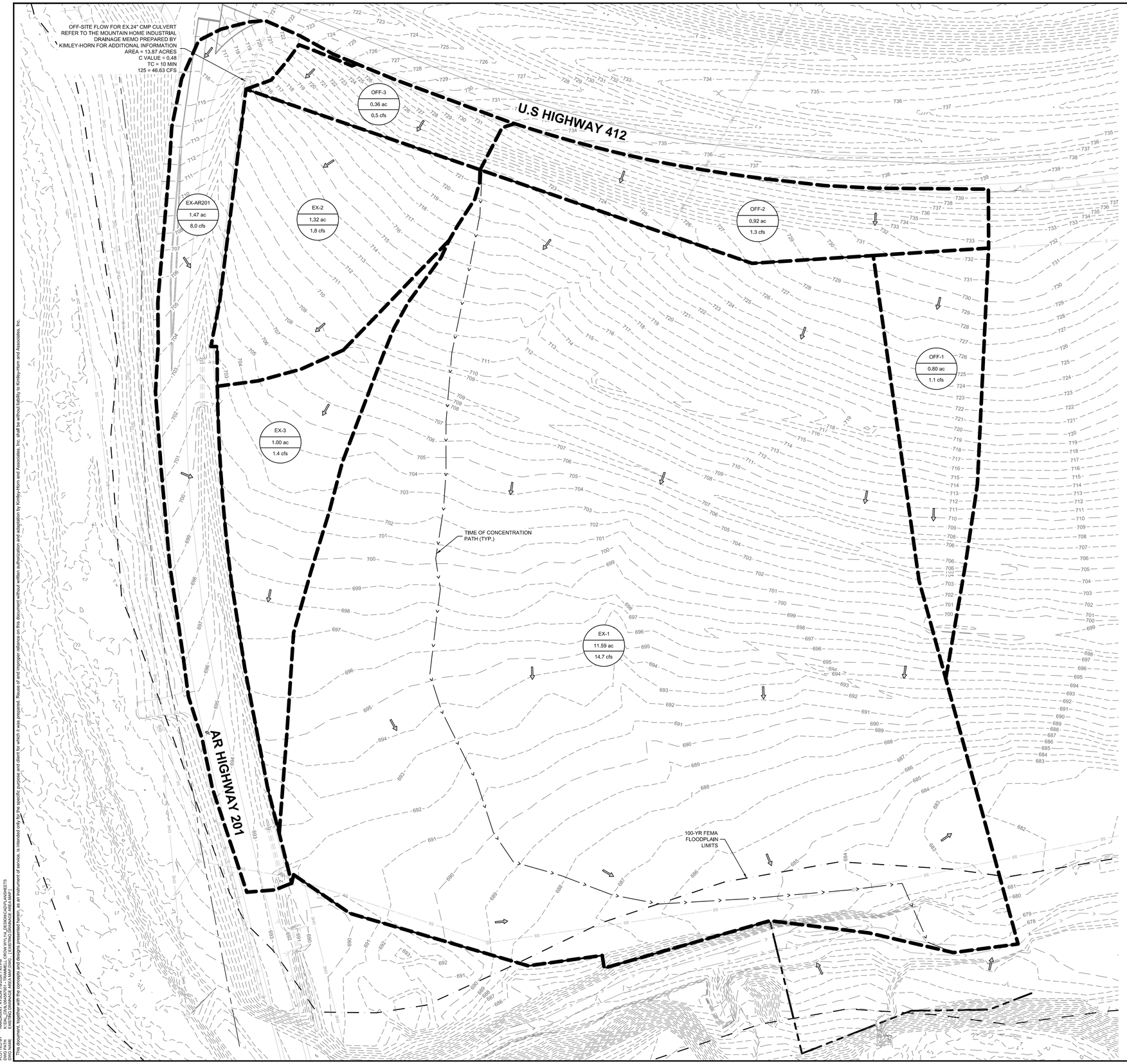
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SIGNAGE AND STRIPING DETAILS (6 OF 6)

SHEET NUMBER
C-5.7

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
XREFS
LAST SAVED 6/8/2026 2:39 PM
PLOTTED BY MARGRAVE, KYSON (KYSON.MARGRAVE)
PLOTTED ON 7/10/2026 2:54 PM
DWG NAME I:\BENTONVILLE\TRAMMELL CROW WH_14_DESIGN\CAD\PLANSHEETS\SIGNAGE AND STRIPING\ SIGNAGE AND STRIPING DETAILS.DWG



LEGEND

- BASIN / AREA / FLOW — DRAINAGE AREA ID / DRAINAGE AREA ACRES / 25 YEAR RUNOFF (CFS)
- DRAINAGE AREA
- FLOW ARROW
- 710 — EXISTING CONTOUR
- SS — EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE
- PROPERTY LINE
- EXISTING STORM LINE
- TOC FLOW

DRAINAGE NOTES

1. CALCULATION OF RUNOFF BASED ON THE CITY OF MOUNTAIN HOME DESIGN GUIDELINES FOR SUBDIVISION IMPROVEMENTS.
   a. C VALUES DETERMINED USING TABLE 3-2 "*RUNOFF COEFFICIENTS*" FROM THE ARDOT ROADWAY DESIGN DRAINAGE MANUAL.
      OPEN SPACE AREAS = 0.2
      IMPERVIOUS AREAS = 1.0
   b. INTENSITY VALUES DETERMINED FROM THE CITY OF MOUNTAIN HOME DEVELOPMENT REGULATIONS, NOAA TECHNICAL MEMORANDUM NWS HYRDO-35
   c. MINIMUM TIME OF CONCENTRATION OF 10 MINUTES DETERMINED FROM CITY OF HARRISON STORMWATER DRAINAGE CONTROL STANDARDS.

DRAINAGE AREA TABLE

DRAINAGE AREA NO.	AREA (ac)	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I"25 (in/hr)	TOTAL FLOW Q25 (cfs)	COLLECTION POINT
EX-1	11.59	0.20	13	6.35	14.7	DODD CREEK
EX-2	1.32	0.20	10	6.95	1.8	EX. AR-201 DITCH
EX-3	1.00	0.20	10	6.95	1.4	EX. AR-201 DITCH
EX-AR201	1.47	0.78	10	6.95	8.0	EX. AR-201 DITCH
OFF-1	0.80	0.20	10	6.95	1.1	DODD CREEK
OFF-2	0.92	0.20	10	6.95	1.3	DODD CREEK
OFF-3	0.36	0.20	10	6.95	0.5	EX. AR-201 DITCH

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

EXISTING DRAINAGE AREA MAP

SHEET NUMBER
C-6.0

IMAGES
XREFS
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME
<COMM_FTB_xDoc_xProdMgmt_xExisting
XTOOMB 3:27 PM
KIMLEY_HORN 7/10/26 3:45 PM
C:\USERS\XTOOMB\KIMLEY-HORN\MYLTA_DESIGN\CAD\PLANSHEETS
EXISTING DRAINAGE AREA MAP.DWG [EXISTING DRAINAGE AREA MAP]
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
XREF'S
LAYERS
PLOTTED BY
PLOTTED ON
DWG NAME
DRAINAGE AREA MAP.DWG [PROP_SAM]
HARDWAX_PERSON 7/9/2026 7:43 PM
C:\USERS\SAM.PERSON\DESKTOP\MOUNTAIN HOME WYLIE_DESIGN\CAD\PLANSHEETS
7/9/2026 5:54 PM
USAK, IDNx, IGrn, IYB, ISta, IExisting, IPlotdate, IPaving, IROW

LEGEND

- BASIN / AREA / FLOW — DRAINAGE AREA ID; DRAINAGE AREA ACRES; 25 YEAR RUNOFF (CFS)
- DRAINAGE AREA
- FLOW ARROW
- 710 — PROPOSED CONTOUR
- 710 — EXISTING CONTOUR
- PROPOSED STORM SEWER LINE
- SS — EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE
- PROPERTY LINE
- EXISTING STORM LINE
- TOC FLOW

DRAINAGE NOTES

1. CALCULATION OF RUNOFF BASED ON THE CITY OF MOUNTAIN HOME DESIGN GUIDELINES FOR SUBDIVISION IMPROVEMENTS.
   a. C VALUES DETERMINED USING TABLE 3-2 "*RUNOFF COEFFICIENTS*" FROM THE ARDOT ROADWAY DESIGN DRAINAGE MANUAL.
      OPEN SPACE AREAS = 0.2
      IMPERVIOUS AREAS = 1.0
   b. INTENSITY VALUES DETERMINED FROM THE CITY OF MOUNTAIN HOME DEVELOPMENT REGULATIONS, NOAA TECHNICAL MEMORANDUM NWS HYRDO-35
   c. MINIMUM TIME OF CONCENTRATION OF 10 MINUTES DETERMINED FROM CITY OF HARRISON STORMWATER DRAINAGE CONTROL STANDARDS.
2. REFERENCE DRAINAGE REPORT PREPARED BY KIMLEY-HORN DATED 7/9/2026 FOR ADDITIONAL DETAILS.
3. REFERENCE AR HWY 201 ROADWAY PLANS PREPARED BY KIMLEY-HORN DATED 7/2/2026 FOR PROPOSED ROADWAY IMPROVEMENTS AND STORM CULVERTS WITHIN THE ARDOT RIGHT-OF-WAY.

DRAINAGE AREA TABLE

DRAINAGE AREA NO.	AREA (ac)	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I"25 (in/hr)	TOTAL FLOW Q25 (cfs)	COLLECTION POINT
A-1	0.53	0.90	10	6.95	3.3	CURB INLET
B-1	0.17	0.90	10	6.95	1.1	CURB INLET
B-1.1	0.17	0.20	10	6.95	0.2	GRATE INLET
B-2	0.68	0.90	10	6.95	4.2	CURB INLET
B-2.1	0.19	0.90	10	6.95	1.2	CURB INLET
B-2.2	0.20	1.00	10	6.95	1.4	CANOPY ROOF DRAINS
B-2.3	0.02	0.20	10	6.95	0.0	GRATE INLET
B-2.4	0.13	1.00	10	6.95	0.9	CURB INLET
B-3	0.21	0.90	10	6.95	1.3	CURB INLET
B-4	0.34	1.00	10	6.95	2.3	CURB INLET
B-5	0.81	0.90	10	6.95	5.0	CURB INLET
B-6	0.69	0.90	10	6.95	4.3	CURB INLET
B-7	0.83	0.90	10	6.95	5.2	CURB INLET
B-8	0.43	1.00	10	6.95	3.0	CURB INLET
BP-1	0.97	0.20	10	6.95	1.3	PROP. AR-201 DITCH
BP-2	0.47	0.20	10	6.95	0.7	PROP. AR-201 DITCH
BP-3	1.51	0.20	10	6.95	2.1	EX. CREEK
BP-4	0.26	0.20	10	6.95	0.4	EX. CREEK
C-1	0.91	1.00	10	6.95	6.3	CURB INLET
C-2	1.23	0.90	10	6.95	7.7	WYE INLET
C-3	1.14	1.00	10	6.95	7.9	ROOF DRAINS
C-4	0.29	0.90	10	6.95	1.8	GRATE INLET
D-1	0.77	0.90	10	6.95	4.8	CURB INLET
OFF-1	0.93	0.20	10	6.95	1.3	GRATE INLET
OFF-2	0.24	0.20	10	6.95	0.3	GRATE INLET
OFF-3	0.72	0.20	10	6.95	1.0	GRATE INLET
OFF-4	0.19	0.20	10	6.95	0.3	PROP. AR-201 DITCH
POND	0.90	0.20	10	6.95	1.2	POND

811 Know what's **below.** **Call** before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

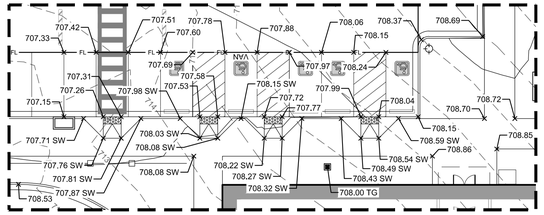
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

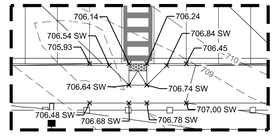
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

PROPOSED DRAINAGE AREA MAP

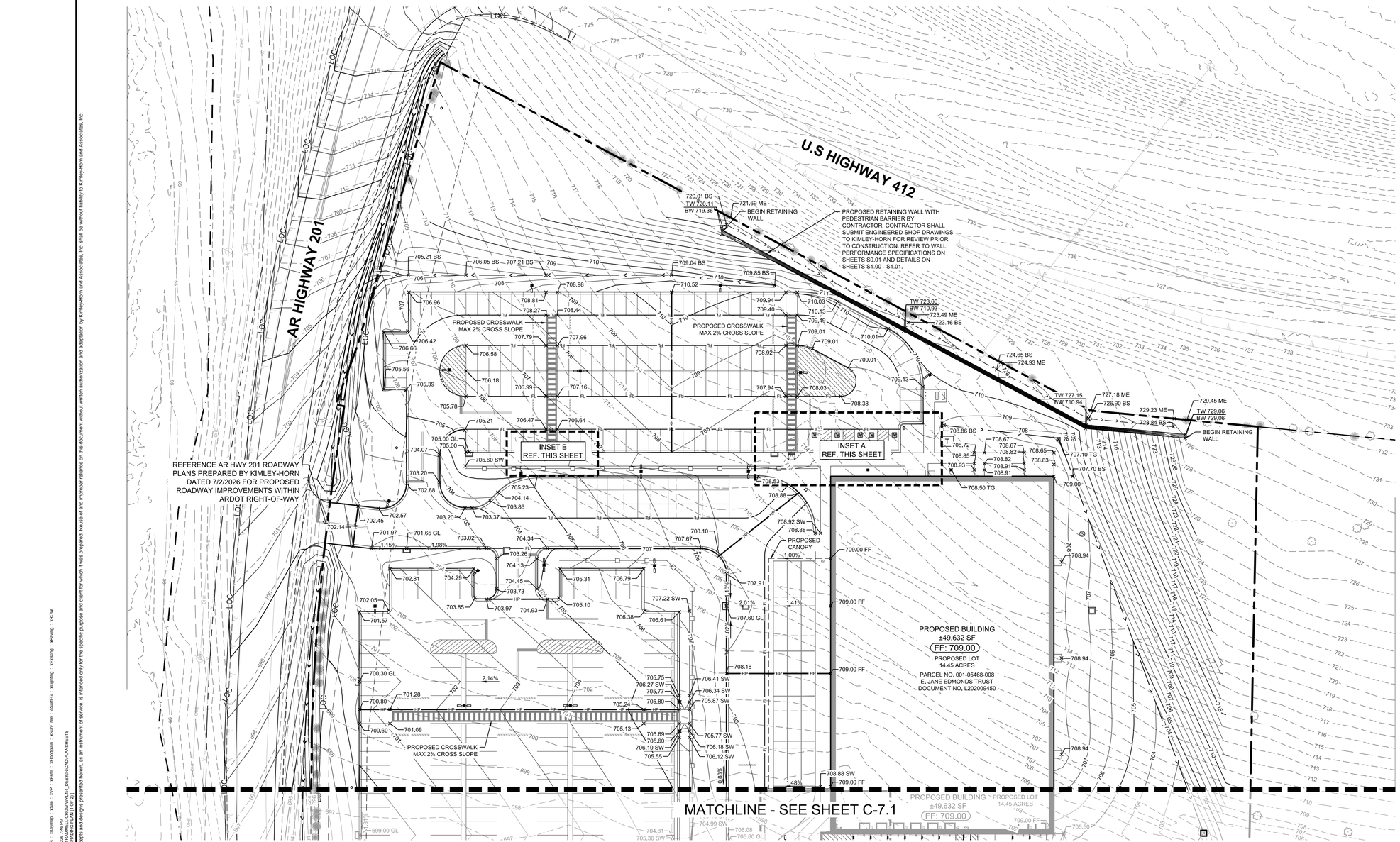
SHEET NUMBER
C-6.1

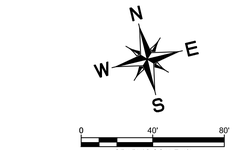


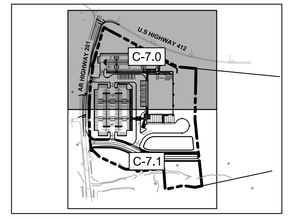
INSET A
SCALE: 1" = 20'



INSET B
SCALE: 1" = 20'







KEYMAP
NTS

LEGEND

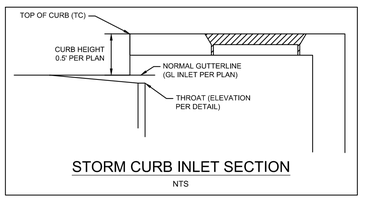
	PROPERTY LINE	×425.00	PROPOSED SPOT ELEVATION
710	PROPOSED CONTOURS (1' INTERVAL)	ME	MATCH EXISTING
710	EXISTING CONTOURS (1' INTERVAL)	TC	TOP OF CURB
HP	HIGH POINT	TG	TOP OF GRATE
<	CHANNEL FLOWLINE	TP	TOP OF PAVEMENT
	PROPOSED STORM LINE	GL	GUTTER LINE
1.00% T	FLOW PATH / TRANSFORMER PAD	BS	BOTTOM OF SWALE
		EW	END OF WALL
		TW	TOP OF WALL
		BW	BOTTOM OF WALL
		TB	TOP OF BERM
FF: 710.00	FINISHED FLOOR	EX	EXISTING
FL	FLOWLINE	SW	SIDEWALK
		LS	LANDSCAPE

GRADING NOTES

1. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT OR TOP OF GROUND UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL PLANS FOR SPECIFIC DETAILS AND REQUIREMENTS.
3. CONTRACTOR TO VERIFY A.D.A. COMPLIANCE, FOR ANY QUESTIONS CONTACT CIVIL ENGINEER IMMEDIATELY.
4. GRADES IN ALL SIDEWALK, ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
5. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, STORM MANHOLES ETC. TO MATCH PROPOSED FINISHED GRADES, IF NECESSARY.
6. MAXIMUM SLOPE IN TURF AREAS SHALL BE 3:1 UNLESS OTHERWISE NOTED.
7. ALL LANDSCAPE ISLANDS SHALL BE GRADED TO SLOPE 2% MINIMUM AND DRAIN OVER THE TOP OF CURB. NO PONDING SHALL OCCUR WITHIN THE ISLANDS.
8. SEE STORM CURB INLET SECTION GUTTERLINE FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).

RETAINING WALL NOTES

1. FINISHED SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF WALL ARE PROVIDED FOR GRADING PURPOSES ONLY. THE WALL DESIGN, BY CONTRACTOR, MUST FIT THE FACE AND TOP OF THE WALL WITHIN THE WALL ZONE INDICATED. SELECTION OF RETAINING WALL SYSTEM SHALL BE MADE BY THE OWNER. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND IS NOT PART OF THIS PLAN SET. WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN INCLUDING ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS, CONSTRUCTABILITY NOTES, OR OTHER ADJACENCIES SUCH AS UTILITIES OR PROPERTY LINES. THE OWNER WILL CAUSE THEIR WALL ENGINEER TO CONSULT ALL SHEETS OF THIS PLAN SET AND THE GEOTECHNICAL REPORT (PREPARED BY OTHERS) FOR POTENTIAL CONFLICTS.
2. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST GEOTECHNICAL REPORT FOR THE PROJECT AND SHALL COMPLY WITH THE RECOMMENDATIONS IT CONTAINS.



STORM CURB INLET SECTION
NTS

GEOTECH NOTE

REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL ENGINEERING REPORT,
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025

811 Know what's **below.** **Call** before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT	064587901		
DATE	JULY 2026		
SCALE	AS SHOWN		
DESIGNED BY	KCH	DRAWN BY	KCH
CHECKED BY	MRS		

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY

BAXTER COUNTY ARKANSAS

GRADING PLAN (1 OF 2)

SHEET NUMBER
C-7.0

IMAGES
ELEVATIONS
LAST SAVED
PLOTTED
PLOTTED BY
XREFS
DWG NAME
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE - SEE SHEET C-7.0

PROPOSED BUILDING ±49,632 SF
FF: 709.00

PROPOSED LOT 14.45 ACRES

INSET C
REF. THIS SHEET

PROPOSED RETAINING WALL, REF. ARCH PLANS FOR DETAILS

PROPOSED RETAINING WALL WITH VEHICLE BARRIER BY CONTRACTOR. CONTRACTOR SHALL SUBMIT ENGINEERED SHOP DRAWINGS TO KIMLEY-HORN FOR REVIEW PRIOR TO CONSTRUCTION

PROPOSED STORMWATER POND
REF. SHEET C-7.2 - C-7.3 FOR DETAILS

BEGIN RETAINING WALL

BEGIN RETAINING WALL

PROP. VARIABLE WIDTH GRADING AND SLOPE EASEMENT

PUBLIC ROADWAY
(A PROPOSED 60-FOOT RIGHT-OF-WAY)

AR HIGHWAY 201

REFERENCE AR HWY 201 ROADWAY PLANS PREPARED BY KIMLEY-HORN DATED 7/2/2026 FOR PROPOSED ROADWAY IMPROVEMENTS WITHIN ARDOT RIGHT-OF-WAY

REF. SHEETS C-10.0 - C-10.2 FOR PROPOSED ROADWAY IMPROVEMENTS

PROPOSED CROSSWALK MAX 2% CROSS SLOPE

PROPOSED CROSSWALK MAX 2% CROSS SLOPE

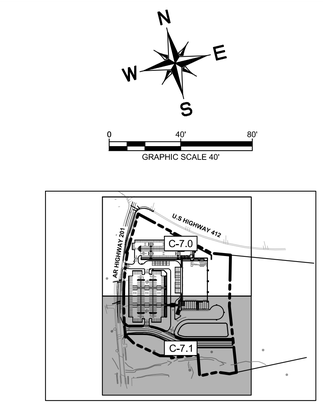
100-YR FEMA FLOODPLAIN LIMITS

687.00 ME

INSET C
SCALE: 1" = 20'

GEOTECH NOTE

REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL ENGINEERING REPORT,
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025



KEYMAP
NTS

LEGEND

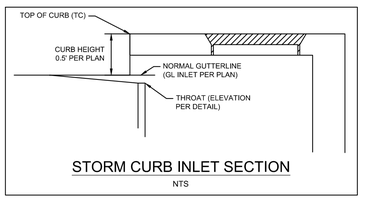
	PROPERTY LINE	×425.00	PROPOSED SPOT ELEVATION
710	PROPOSED CONTOURS (1' INTERVAL)	ME	MATCH EXISTING
710	EXISTING CONTOURS (1' INTERVAL)	TC	TOP OF CURB
HP	HIGH POINT	TG	TOP OF GRATE
<	CHANNEL FLOWLINE	TP	TOP OF PAVEMENT
	PROPOSED STORM LINE	GL	GUTTER LINE
1.00%	FLOW PATH	BS	BOTTOM OF SWALE
T	TRANSFORMER PAD	EW	END OF WALL
FF: 710.00	FINISHED FLOOR	TW	TOP OF WALL
FL	FLOWLINE	BW	BOTTOM OF WALL
		TB	TOP OF BERM
		EX	EXISTING
		SW	SIDEWALK
		LS	LANDSCAPE

GRADING NOTES

1. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT OR TOP OF GROUND UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL PLANS FOR SPECIFIC DETAILS AND REQUIREMENTS.
3. CONTRACTOR TO VERIFY A.D.A. COMPLIANCE, FOR ANY QUESTIONS CONTACT CIVIL ENGINEER IMMEDIATELY.
4. GRADES IN ALL SIDEWALK, ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
5. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, STORM MANHOLES ETC. TO MATCH PROPOSED FINISHED GRADES, IF NECESSARY.
6. MAXIMUM SLOPE IN TURF AREAS SHALL BE 3:1 UNLESS OTHERWISE NOTED.
7. ALL LANDSCAPE ISLANDS SHALL BE GRADED TO SLOPE 2% MINIMUM AND DRAIN OVER THE TOP OF CURB. NO PONDING SHALL OCCUR WITHIN THE ISLANDS.
8. SEE STORM CURB INLET SECTION GUTTERLINE FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).

RETAINING WALL NOTES

1. FINISHED SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF WALL ARE PROVIDED FOR GRADING PURPOSES ONLY. THE WALL DESIGN, BY CONTRACTOR, MUST FIT THE FACE AND TOP OF THE WALL WITHIN THE WALL ZONE INDICATED. SELECTION OF RETAINING WALL SYSTEM SHALL BE MADE BY THE OWNER. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND IS NOT PART OF THIS PLAN SET. WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN INCLUDING ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS. CONSTRUCTABILITY NOTES, OR OTHER ADJACENCIES SUCH AS UTILITIES OR PROPERTY LINES. THE OWNER WILL CAUSE THEIR WALL ENGINEER TO CONSULT ALL SHEETS OF THIS PLAN SET AND THE GEOTECHNICAL REPORT (PREPARED BY OTHERS) FOR POTENTIAL CONFLICTS.
2. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST GEOTECHNICAL REPORT FOR THE PROJECT AND SHALL COMPLY WITH THE RECOMMENDATIONS IT CONTAINS.



STORM CURB INLET SECTION
NTS

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

N E S W

0 40' 80'
GRAPHIC SCALE 40'

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

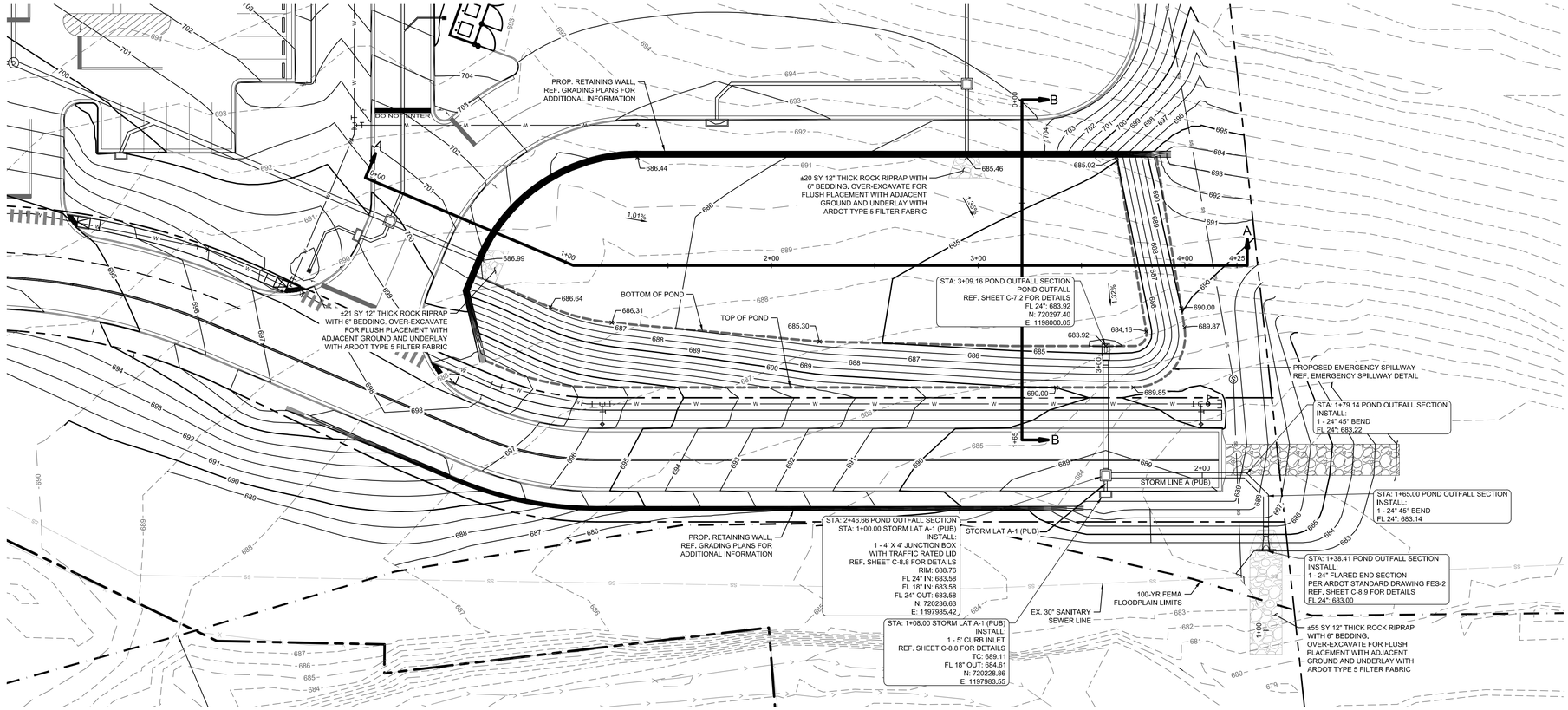
GRADING PLAN (2 OF 2)

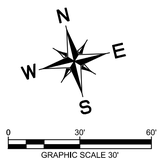
SHEET NUMBER
C-7.1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

IDim, IDyn, IGdt, IKTB, IKtrump, IDtle, IVP, IEpnt, IProbdbm, IDimThre, IDuffG, IUgrtng, IExisting, IPavng, IROW
7/9/2026 4:54 PM
KIMBERLY.KYSOR.IV@KIMLEY-HORN.COM
K:\BAX_MOUNTAIN HOME\064587901 CROW WY\14_DESIGN\CAD\PLANSHEETS (GRADING PLAN.DWG, 1 (GRADING PLAN (2 OF 2))





LEGEND

PROPERTY LINE		×425.00	PROPOSED SPOT ELEVATION
725	PROPOSED CONTOURS (1' INTERVAL)	ME	MATCH EXISTING
725	EXISTING CONTOURS (2' INTERVAL)	TC	TOP OF CURB
HP	HIGH POINT	TG	TOP OF GRATE
<	CHANNEL FLOWLINE	TP	TOP OF PAVEMENT
	PROPOSED STORM LINE	GL	GUTTER LINE
1.00%	FLOW PATH	BS	BOTTOM OF SWALE
T	TRANSFORMER PAD	EW	END OF WALL
FF: 710.00	FINISHED FLOOR	TW	TOP OF WALL
FL	FLOWLINE	BW	BOTTOM OF WALL
	EMERGENCY SPILLWAY	TB	TOP OF BERM
		EX	EXISTING
		SW	SIDEWALK

Pond Elevation Area Table		
Elevation (ft)	Area (ac)	Volume (ac-ft)
684.00	0.00	0.00
684.50	0.06	0.01
685.00	0.18	0.07
685.50	0.32	0.20
686.00	0.46	0.39
686.50	0.57	0.65
687.00	0.65	0.96
687.50	0.67	1.28
688.00	0.68	1.62
688.50	0.70	1.97
689.00	0.72	2.32
689.50	0.74	2.69
689.80	0.75	2.91

Pond Discharge Rating Curve	
Elevation (ft)	Outfall Discharge (cfs)
684.00	0.00
684.50	0.76
685.00	2.00
685.50	2.73
686.00	3.30
686.50	3.79
687.00	4.22
687.50	4.61
688.00	4.97
688.50	5.30
689.00	5.62
689.50	5.92
689.80	6.09

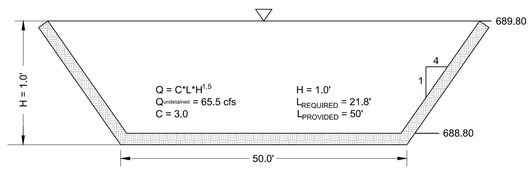
1. Pond Discharge Rating Curve was completed using weir and orifice equations. Outfall 1 consists of 1 – 10" orifice @ invert 684.0'.

Pond Summary Table				
Event	Qin (cfs)	Qout (cfs)	WSE (ft)	Volume (ac-ft)
25-YR	53.92	5.44	688.71	2.12

1. Pond Sizing was completed using the Modified Rational Method

EMERGENCY SPILLWAY DETAIL

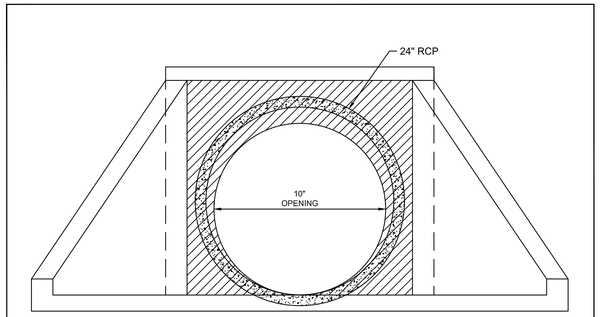
N.T.S.



NOTE: IF THE PRIMARY SPILLWAY BECOMES OBSTRUCTED, EMERGENCY OVERFLOW WILL BEGIN AT ELEVATION 688.80. USING THE WEIR EQUATION AND THE PARAMETERS LISTED ABOVE, AN EMERGENCY OVERFLOW LENGTH OF 22.0 FEET IS NECESSARY TO CONVEY THE UNDETAINED 25-YEAR PEAK FLOW.

Proposed Emergency Overflow	
Area	9.17 acres
Time (Tc)	10.0 minutes
C value	0.84
I_{100}	8.50 in/hr
Q_{100}	**65.47 cfs**

Emergency Overflow		
Q100	65.5	cfs
H	1.00	ft
C	3.0	
$L_{REQUIRED}$	21.8	ft
$L_{PROVIDED}$	50	ft

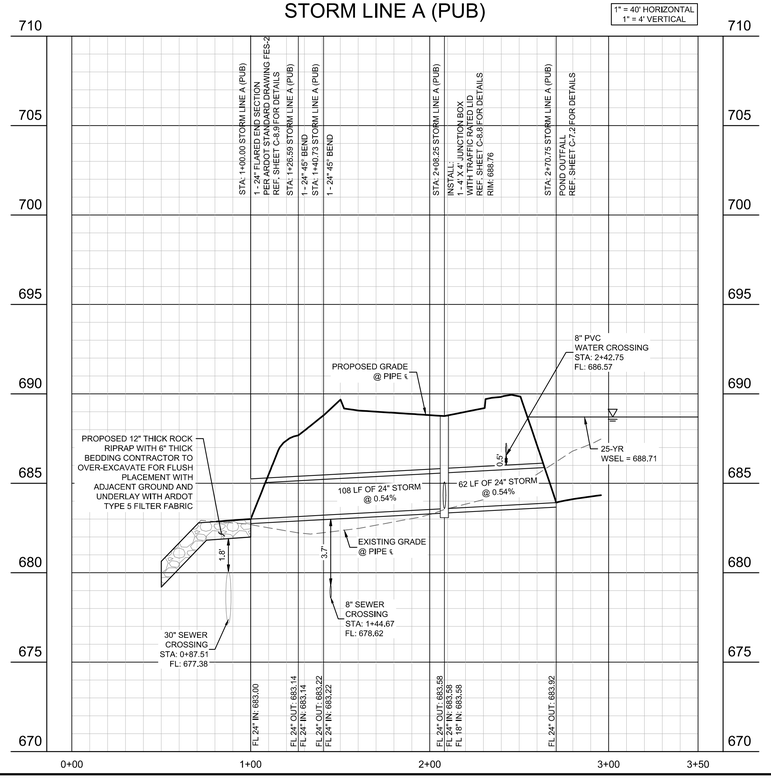


POND OUTLET STRUCTURE DETAIL

N.T.S.

STORM LINE A (PUB)

PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL



811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY
ARKANSAS
BAXTER COUNTY

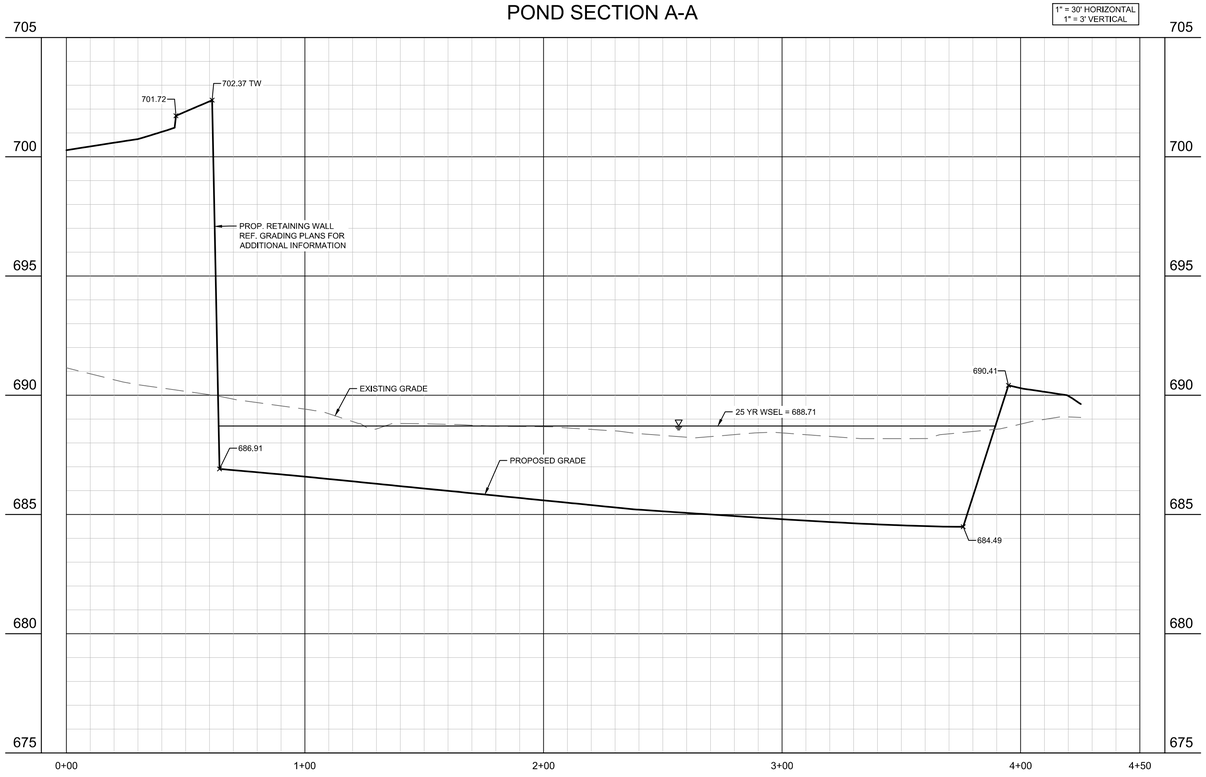
DETENTION POND PLAN

SHEET NUMBER
C-7.2

IMAGES
FILE: c3d= c3dsetng= xRxxxdata= xDsm= xDsm= xUtil= xDsm
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME
H:\KHA_064587901_MOUNTAIN HOME INDUSTRIAL\CROW WY_4_DESIGN\CAD\PLANSHEETS (DETENTION POND PLAN).DWG
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

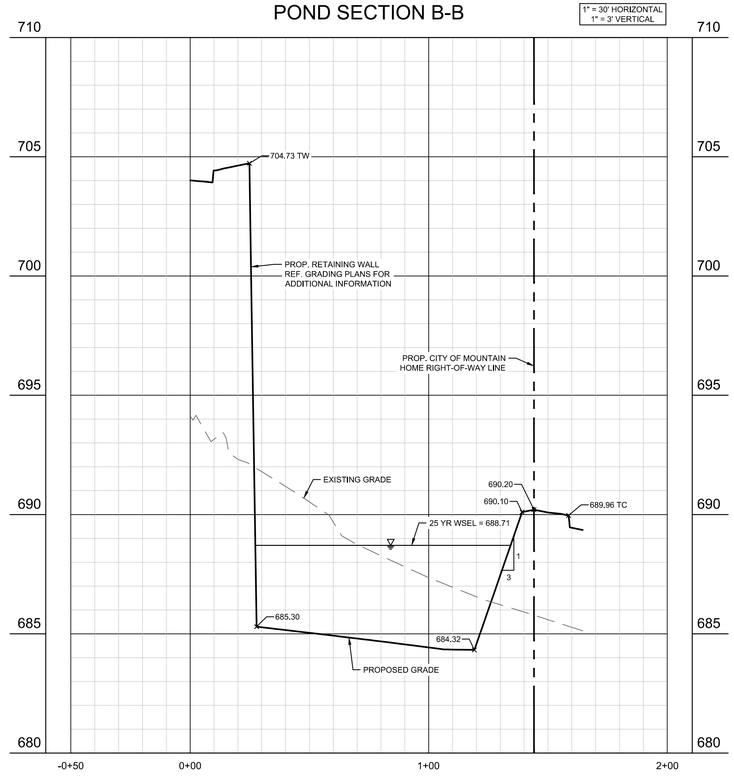
POND SECTION A-A

PROFILE SCALE
1" = 30' HORIZONTAL
1" = 3' VERTICAL



POND SECTION B-B

PROFILE SCALE
1" = 30' HORIZONTAL
1" = 3' VERTICAL



IMAGES
NOT SAVED
LAST SAVED
PLOTTED BY
PLOTTED ON
DWG NAME

ITB, Idle, Existing, xProdJah, xStm, xSan, xUtil, xStm
7/8/2026 4:48 PM
HAMDAWAY, KYSON
K:\ROG_Civil\064587901-MOUNTAIN HOME CROW WY\114_DESIGN\CAD\PLANSHEETS
7/8/2026 4:48 PM
DETENTION POND PLAN.DWG [DETENTION POND PROFILES]

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT
064587901
DATE
JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

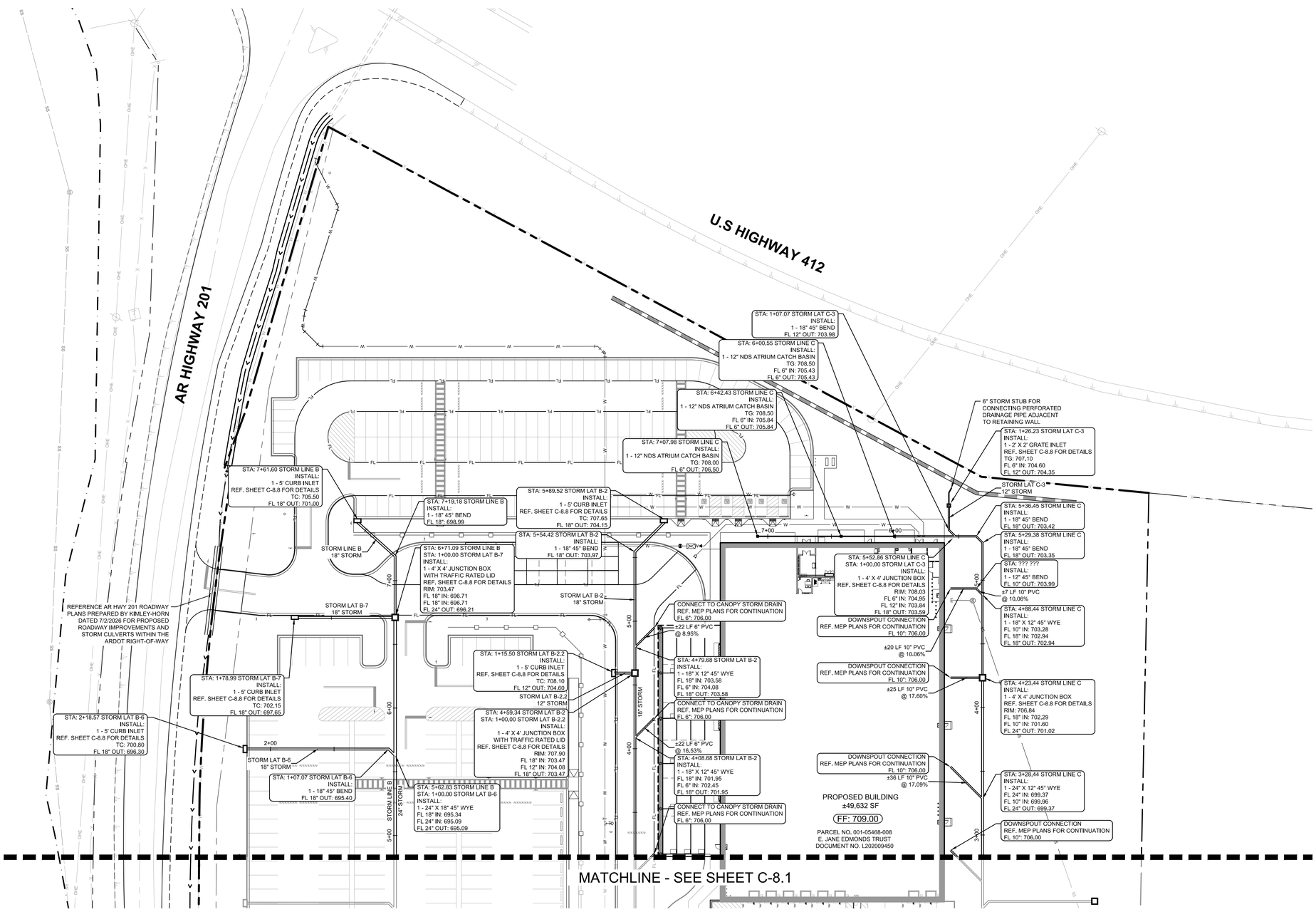
DETENTION POND PROFILES

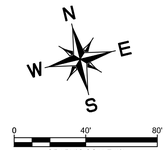
SHEET NUMBER
C-7.3

IMAGES
ARE SAVED
WITH THE
PLOTTED BY
PLOT DATE
DWG NAME

<$Dim_-_Dyn_-_ADA_-_XTB_-_XAsymap_-_XSite_-_XPlotStyleTable_-_XVP_-_XPairing_-_XROW_-_XStorm
T:\Projects\KCH_Projects\MOUNTAIN HOME INDUSTRIAL\CIVIL\HARDWAY_IVERSON 7/9/2026 7:48:51 AM CHOW WYLIE_DESIGN\CADD\PLANSHEETS
STORM PLAN (1 OF 2)
STORM PLAN (1 OF 2)

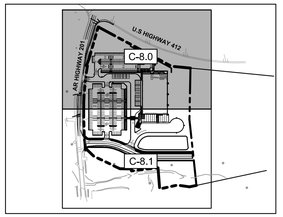
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





0 40' 80'

GRAPHIC SCALE 40'



KEYMAP

NTS

LEGEND

- PROPERTY LINE
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED UNDERGROUND ELECTRIC LINE
- PROPOSED UNDERGROUND COMMUNICATION LINE
- PROPOSED STORM
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM
- PROPOSED FIRE HYDRANT
- PROPOSED FDC
- PROP. SANITARY SEWER MANHOLE
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- PROPOSED JUNCTION BOX OR WYE INLET
- PROPOSED CURB INLET
- PROPOSED GRATE INLET
- EXISTING FIRE HYDRANT
- EX. SANITARY SEWER MANHOLE
- DSC DOWNSPOUT CONNECTION

STORM NOTES

1. REFER TO SHEET C-1.1 FOR GENERAL NOTES.
2. REFER TO THE CITY OF MOUNTAIN HOME STANDARD CONSTRUCTION DETAILS FOR STORM SEWER STRUCTURES AND EMBEDMENT.
3. USE 4' JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100'.
4. REFER TO MEP PLANS FOR STORM LINES WITHIN 5' AND UNDERNEATH BUILDING.
5. REF. TO MEP PLANS FOR CONTINUATION OF ALL DOWNSPOUT CONNECTIONS.
6. REFERENCE PROFILES FOR STORM SEWER CROSSING WITH SANITARY SEWER AND WATER.
7. ALL CULVERT AND STORM SEWER PIPE SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE AHTD STANDARD SPECIFICATIONS OR AS REQUIRED BY THE CITY, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.1. ALL STORM SEWER PIPES 18" TO 48" CAN BE HDPE, CONFORMING TO AASHTO M294, TYPE S, MINIMUM COVER PER AASHTO LRFD SECTION 12 STANDARDS, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.2. ALL STORM SEWER PIPES GREATER THAN 48" SHALL BE RCP CONFORMING TO ASTM C76, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.3. ALL STORM SEWER PIPES 18" AND SMALLER SHALL BE PVC OR HDPE, UNLESS OTHERWISE NOTED IN THE PLANS,
8. ALL STORM SEWER PIPES SHALL BE WATERTIGHT,
9. ALL GRATE INLETS, JUNCTION BOXES, AND STORM SEWER MANHOLES LOCATED IN PAVED AREAS SHALL BE ABLE TO HANDLE A MINIMUM LOAD OF 75,000 LBS.
10. LOW PERMEABILITY CLAY OR FLOWABLE FILL DAMS/PLUGS TO BE PROVIDED AT ALL LOCATIONS WHERE UTILITY TRENCHES PENETRATE BENEATH THE BUILDING. THE EFFECTIVE TRENCH PLUGS SHALL EXTEND AT LEAST 5 FEET FROM THE FACE OF THE BUILDING EXTERIOR. WATER CONTENT AND COMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST GEOTECHNICAL REPORT.

811 Know what's below. Call before you dig.

CAUTION!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

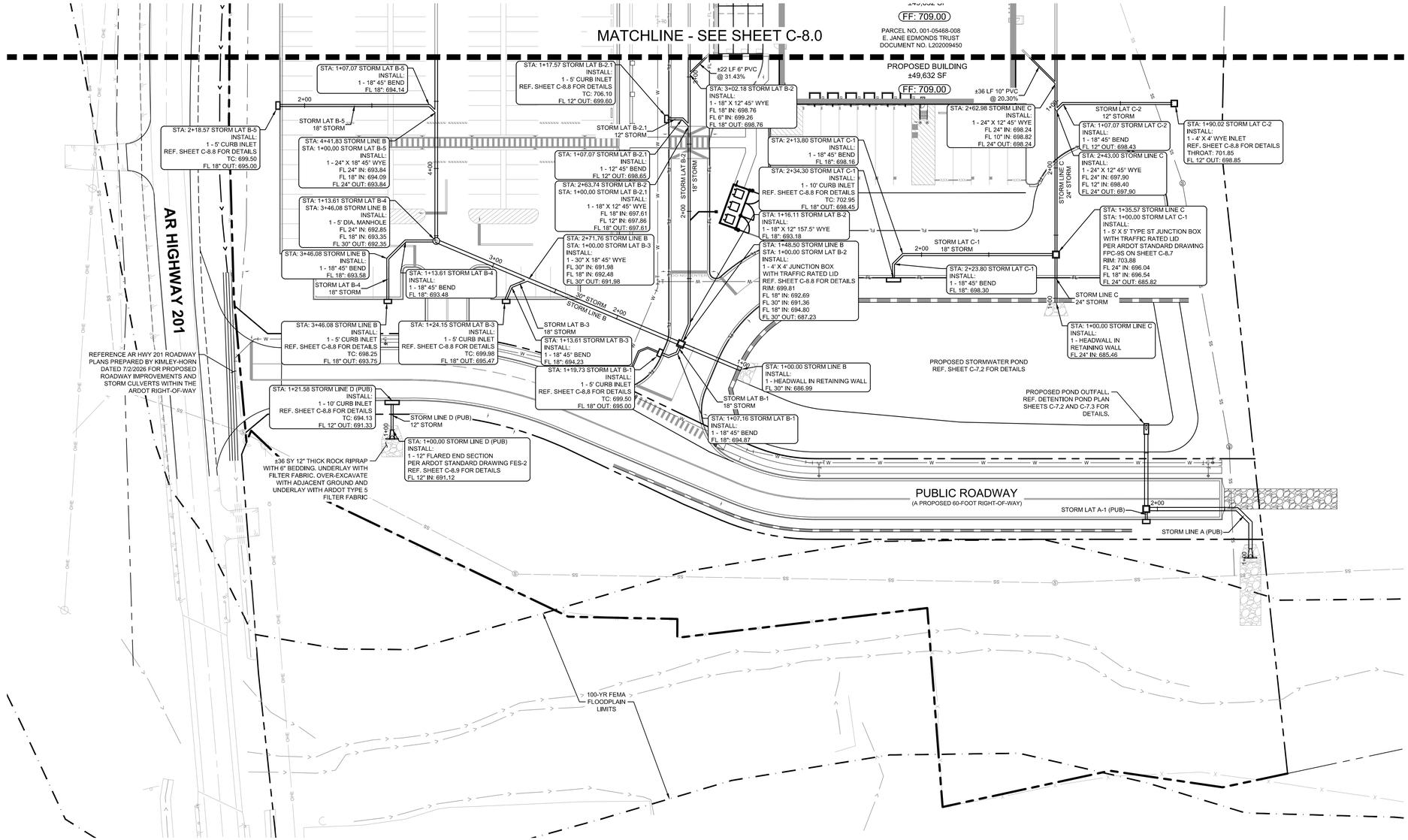
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

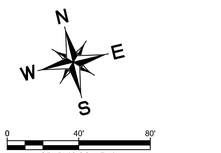
MOUNTAIN HOME INDUSTRIAL

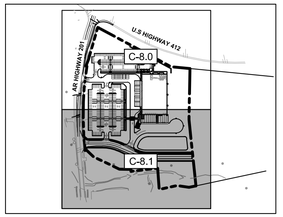
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM PLAN (1 OF 2)

SHEET NUMBER
C-8.0







KEYMAP
NTS

LEGEND

- PROPERTY LINE
- W — PROPOSED WATER LINE
- SS — PROPOSED SANITARY SEWER LINE
- UGE — PROPOSED UNDERGROUND ELECTRIC LINE
- COM — PROPOSED UNDERGROUND COMMUNICATION LINE
- PROPOSED STORM
- W — EXISTING WATER LINE
- SS — EXISTING SANITARY SEWER LINE
- EXISTING STORM
- PROPOSED FIRE HYDRANT
- PROPOSED FDC
- PROP. SANITARY SEWER MANHOLE
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- PROPOSED JUNCTION BOX OR WYE INLET
- PROPOSED CURB INLET
- PROPOSED GRATE INLET
- EXISTING FIRE HYDRANT
- EX. SANITARY SEWER MANHOLE
- DSC — DOWNSPOUT CONNECTION

STORM NOTES

1. REFER TO SHEET C-1.1 FOR GENERAL NOTES.
2. REFER TO THE CITY OF MOUNTAIN HOME STANDARD CONSTRUCTION DETAILS FOR STORM SEWER STRUCTURES AND EMBEDMENT.
3. USE 4' JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100'.
4. REFER TO MEP PLANS FOR STORM LINES WITHIN 5' AND UNDERNEATH BUILDING.
5. REF. TO MEP PLANS FOR CONTINUATION OF ALL DOWNSPOUT CONNECTIONS.
6. REFERENCE PROFILES FOR STORM SEWER CROSSING WITH SANITARY SEWER AND WATER.
7. ALL CULVERT AND STORM SEWER PIPE SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE AHTD STANDARD SPECIFICATIONS OR AS REQUIRED BY THE CITY, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.1. ALL STORM SEWER PIPES 18" TO 48" CAN BE HDPE, CONFORMING TO AASHTO M294, TYPE S, MINIMUM COVER PER AASHTO LRFD SECTION 12 STANDARDS, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.2. ALL STORM SEWER PIPES GREATER THAN 48" SHALL BE RCP CONFORMING TO ASTM C76, UNLESS OTHERWISE NOTED IN THE PLANS.
   - 7.3. ALL STORM SEWER PIPES 18" AND SMALLER SHALL BE PVC OR HDPE, UNLESS OTHERWISE NOTED IN THE PLANS.
8. ALL STORM SEWER PIPES SHALL BE WATERTIGHT.
9. ALL GRATE INLETS, JUNCTION BOXES, AND STORM SEWER MANHOLES LOCATED IN PAVED AREAS SHALL BE ABLE TO HANDLE A MINIMUM LOAD OF 75,000 LBS.
10. LOW PERMEABILITY CLAY OR FLOWABLE FILL DAMS/PLUGS TO BE PROVIDED AT ALL LOCATIONS WHERE UTILITY TRENCHES PENETRATE BENEATH THE BUILDING. THE EFFECTIVE TRENCH PLUGS SHALL EXTEND AT LEAST 5 FEET FROM THE FACE OF THE BUILDING EXTERIOR. WATER CONTENT AND COMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST GEOTECHNICAL REPORT.

811 Know what's **below.** **Call** before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM PLAN (2 OF 2)

SHEET NUMBER
C-8.1

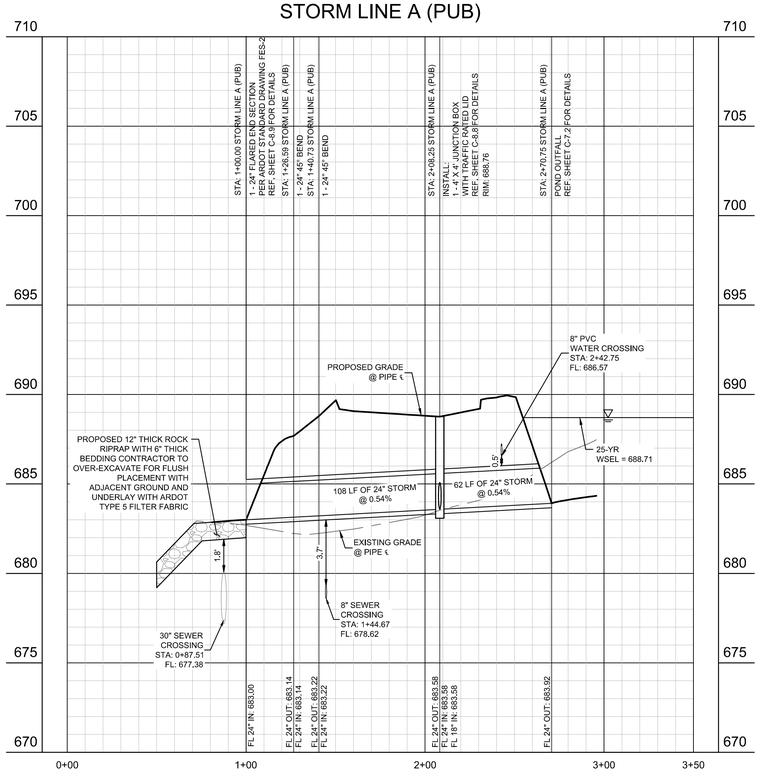
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
DWG NAME
XRefs: xDoc - xUM - xTB - xKeymp - xSite - xFloodplain - xVP - xPaving - xROW - xStorm
Images: xSite
K:\RAD\ROW - KHSON 7\5\2026 7:48 PM
K:\RAD\ROW - KHSON 7\5\2026 7:48 PM
STORM PLAN (2 OF 2)

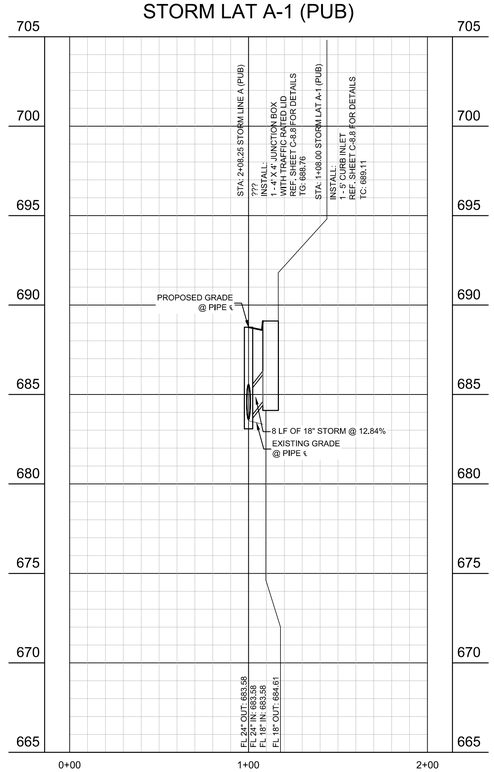
PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

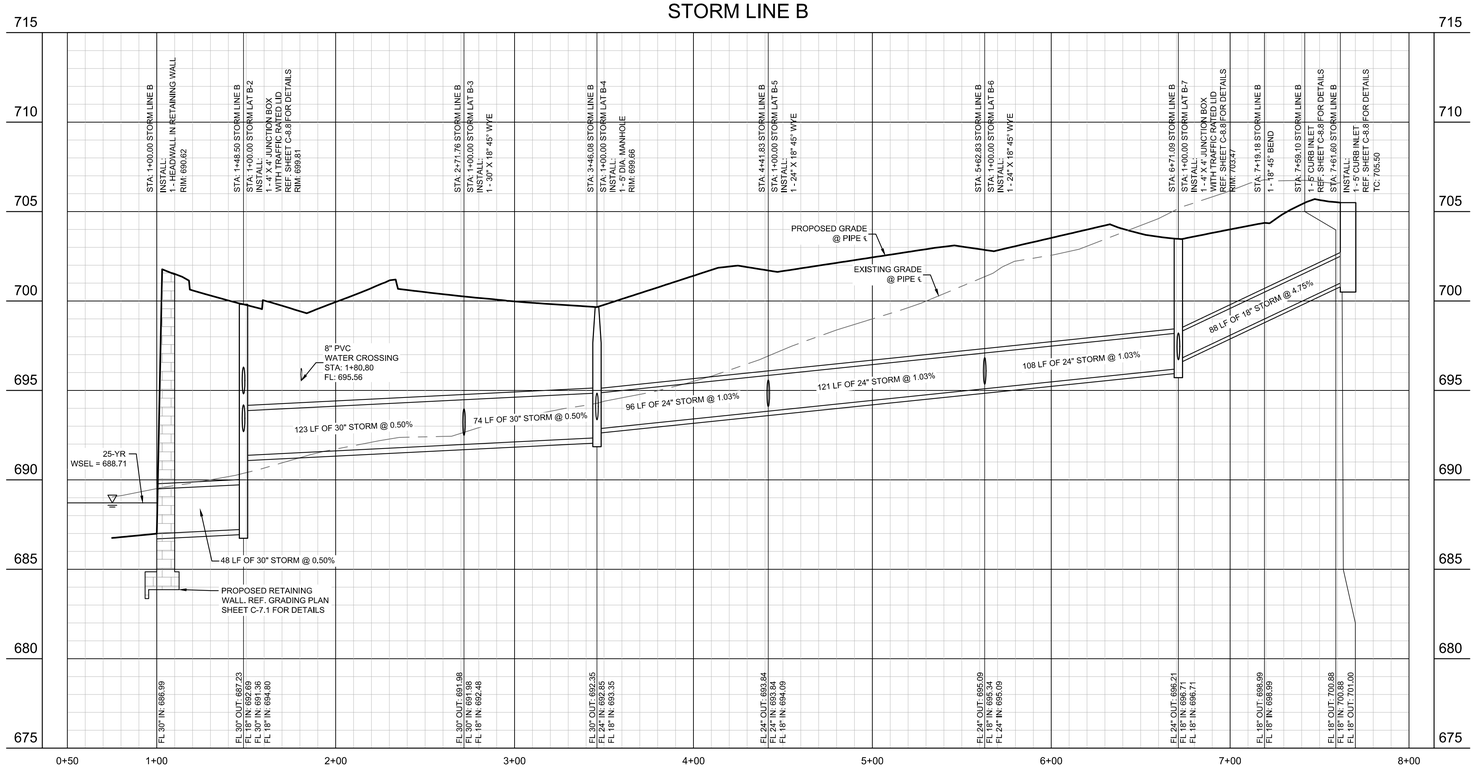
STORM LINE A (PUB)



STORM LAT A-1 (PUB)



STORM LINE B



No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY

BAXTER COUNTY ARKANSAS

STORM PROFILES (1 OF 4)

SHEET NUMBER
C-8.2

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

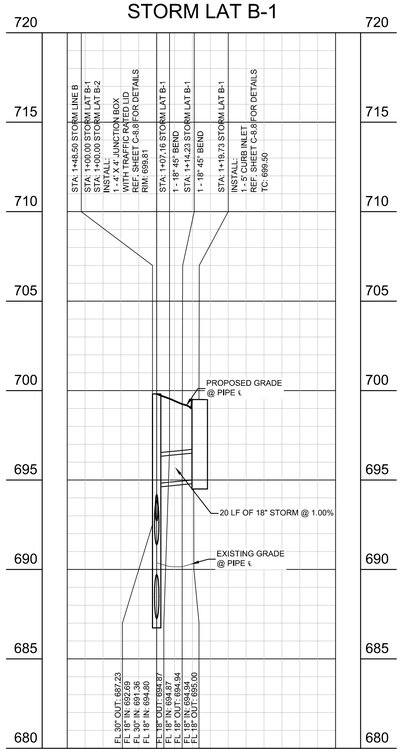
IMAGES
LOGOS
XREF SAVED
LAST SAVED By
PLOTTED By
PLOT DATE
DWG NAME

<Date>, 1:19 PM
07/10/2026 1:19 PM
HARDAWAY, KYSON [KHA]
K:\ROG_Civil\064587901 - TRAMMELL CROW MYI\14_DESIGN\CAD\PLANSHEETS
STORM PROFILES.DWG
STORM PROFILES (1 OF 4)

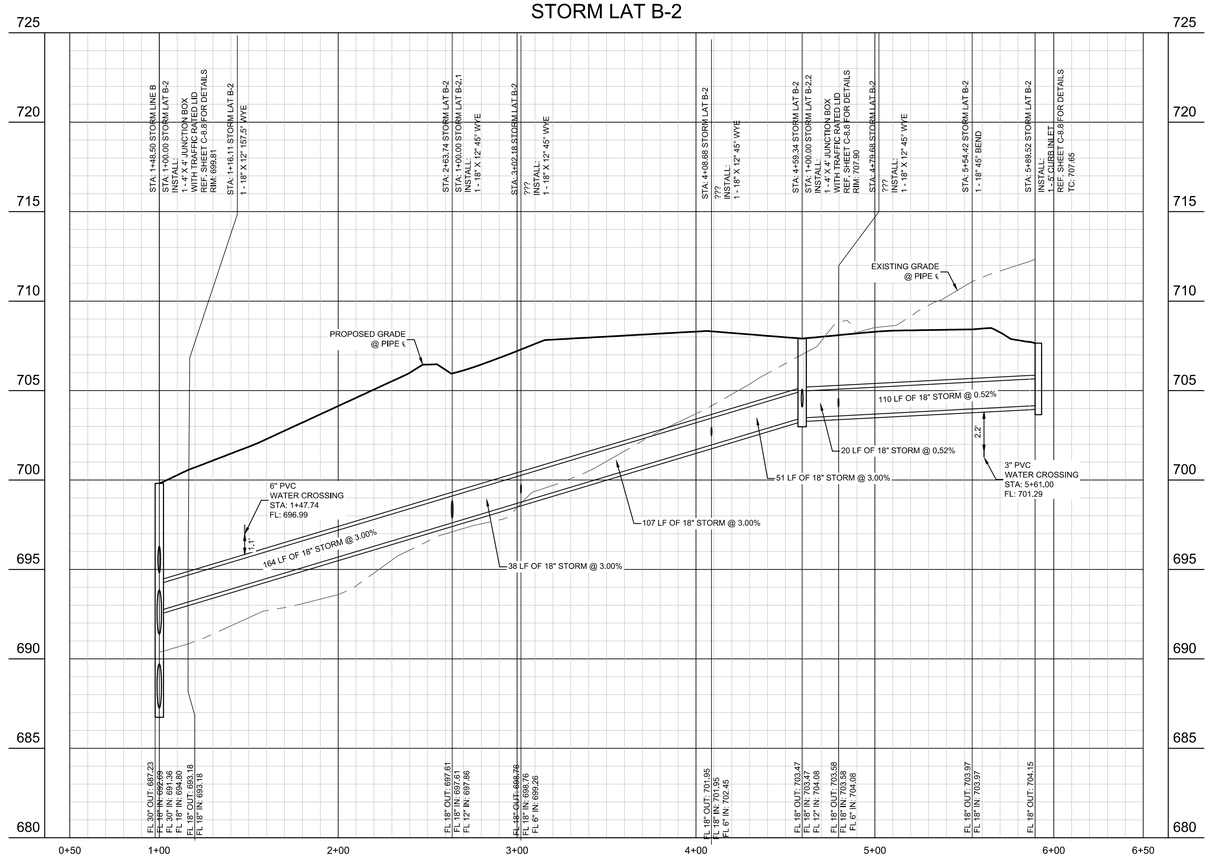
PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

STORM LAT B-1



STORM LAT B-2



IMAGES
XREFS
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
-Xrfs -TB
7/9/2026 7:19 PM
HARDCWAY, KYSON (TECH) - [1] ELK
C:\USERS\KYSON.HARDCWAY\KIMLEY-HORN\ELK CROW WY\1-04_DESIGN\CAD\PLANSHEETS
7/9/2026 7:19 PM
STORM PROFILES.DWG - [STORM PROFILES (2 OF 4)]

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21244 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

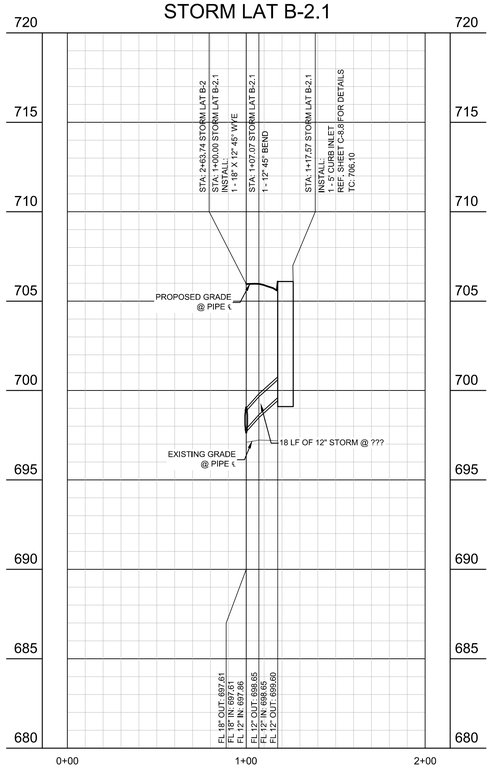
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

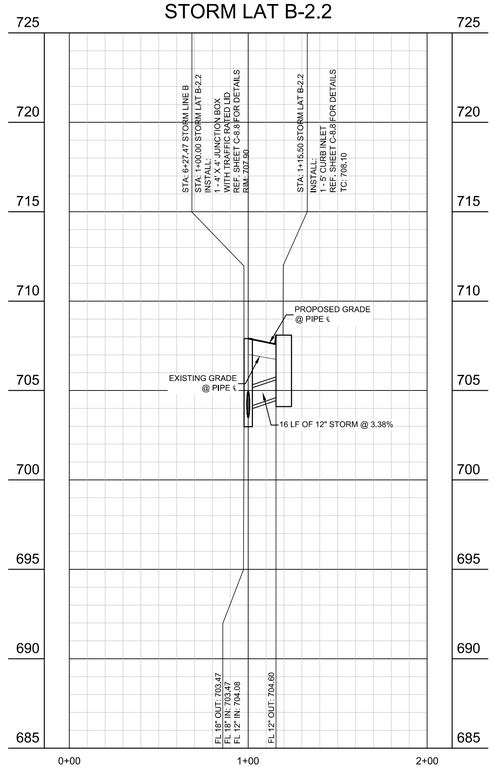
STORM PROFILES (2 OF 4)

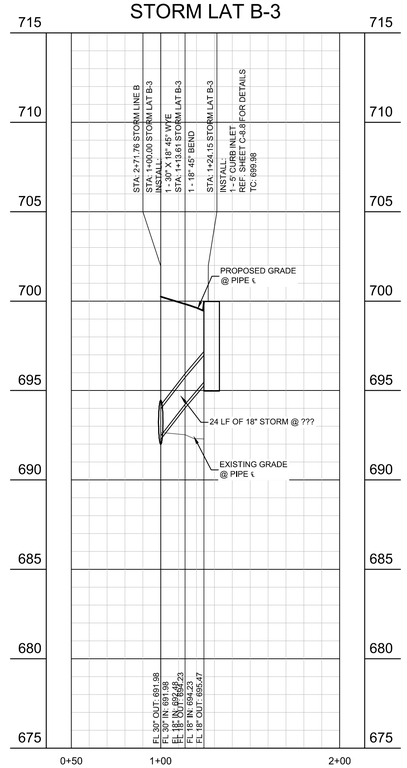
SHEET NUMBER
C-8.3

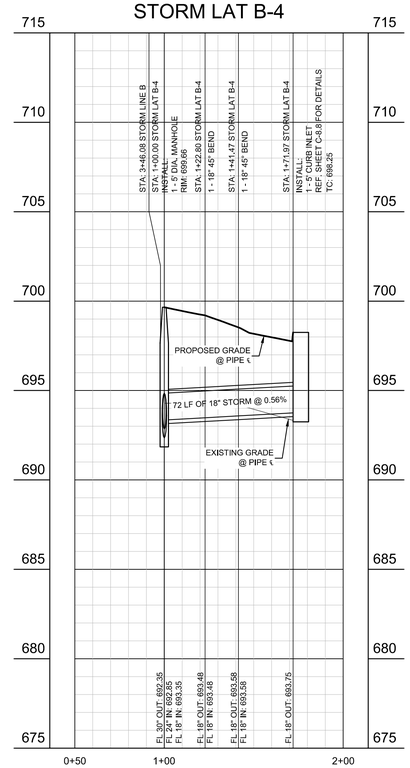
CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

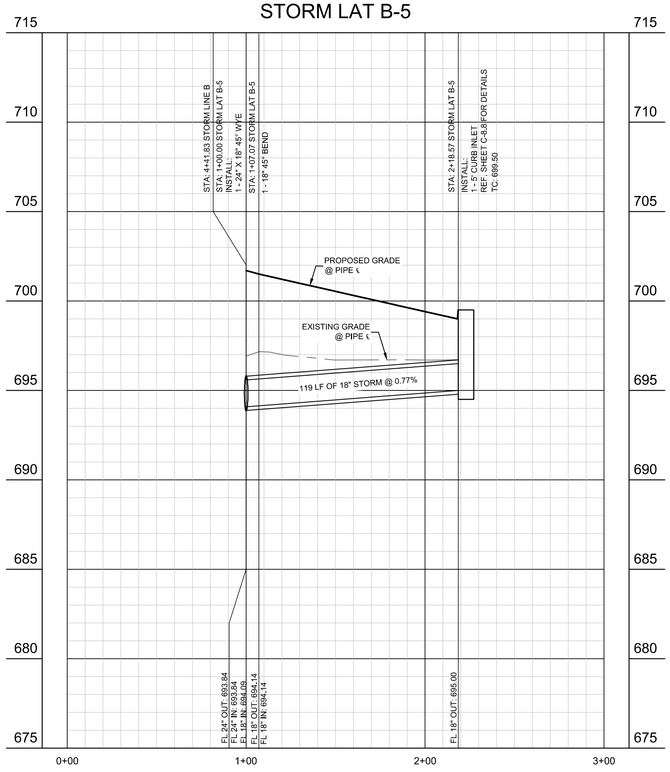
PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

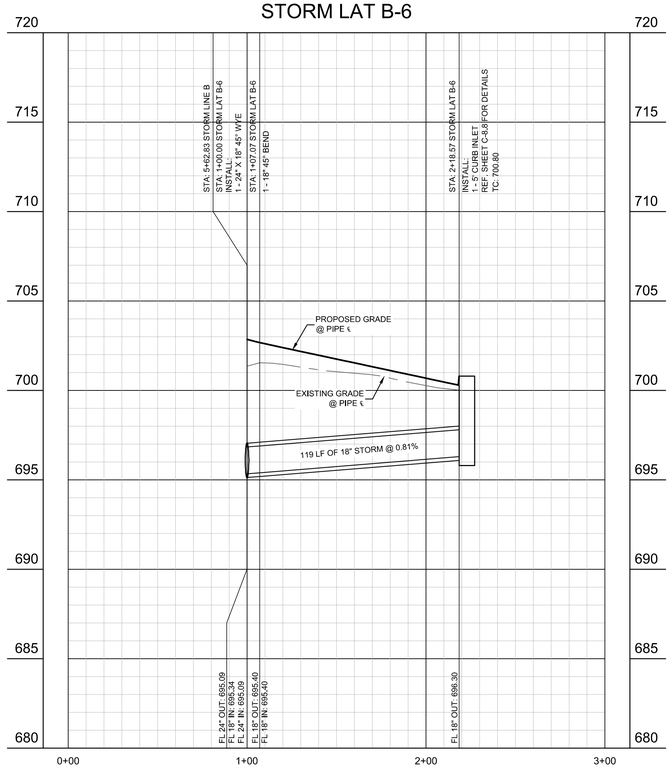


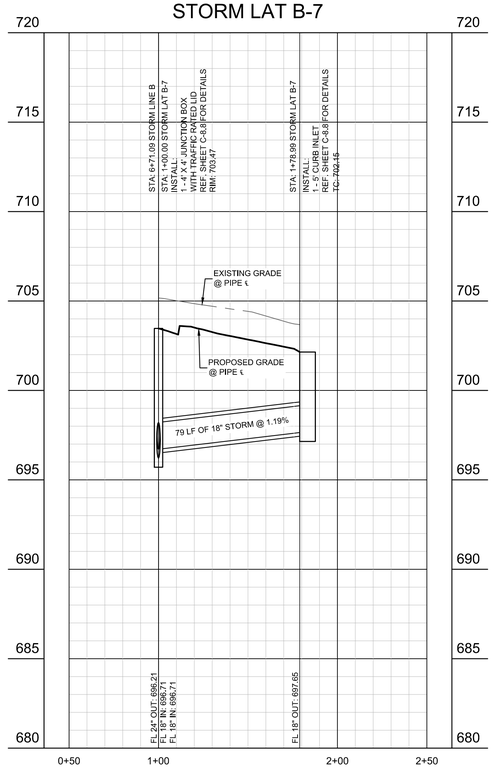












IMAGES
XREF'S
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

<plotDate> 1:19 PM
<plotDate> 1:19 PM
KARSWAY, KYSON [KHA 120514.ARE.PM
K:\ARK_Rogers\064587901\Engineering\TRAMMELL CROW MY.14_DESIGN\CAD\PLANSHEETS
STORM PROFILES.DWG [STORM PROFILES (3 OF 4)]

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

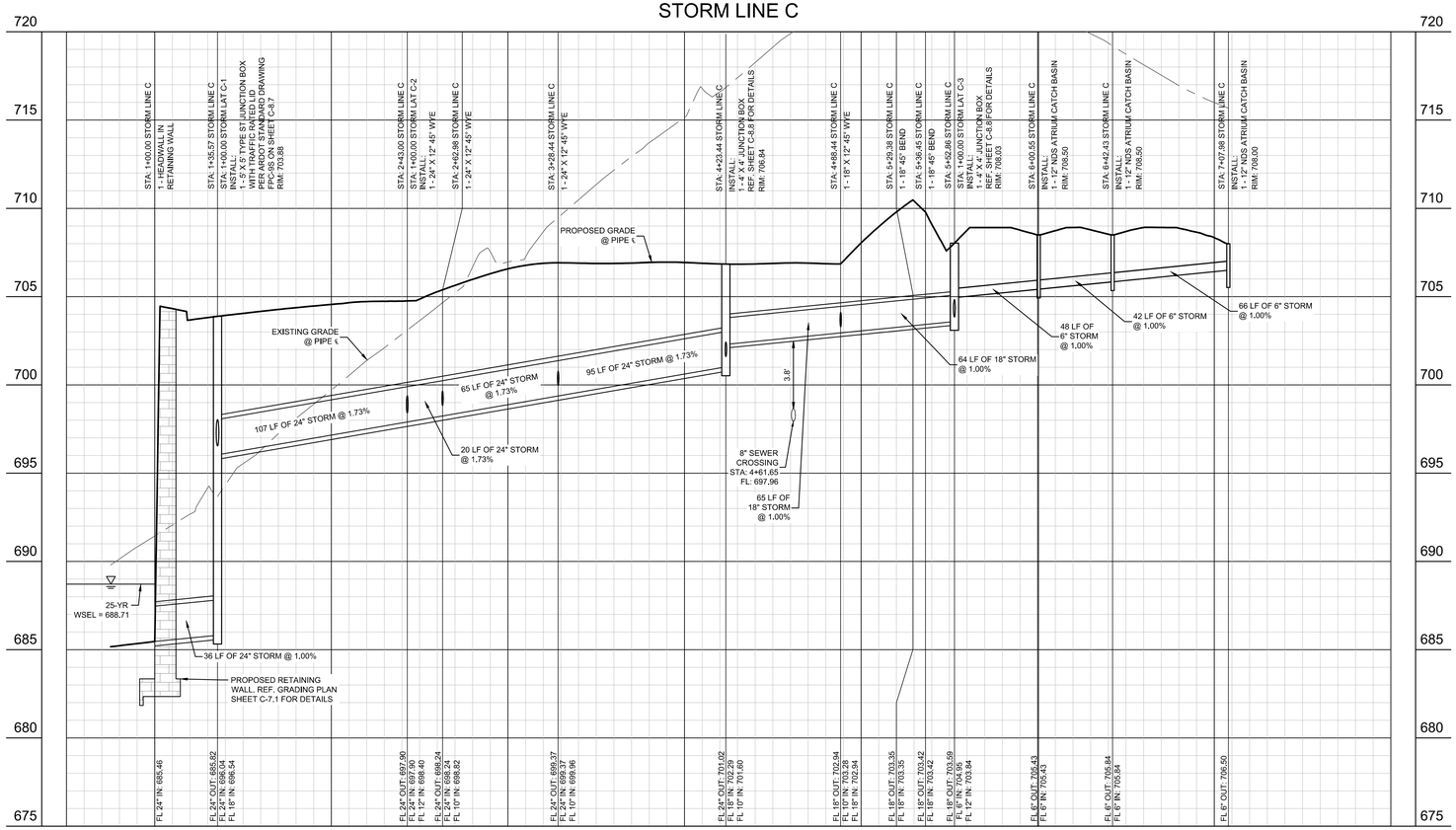
PREPARED FOR
TRAMMELL CROW COMPANY

BAXTER COUNTY ARKANSAS

STORM PROFILES (3 OF 4)

SHEET NUMBER
C-8.4

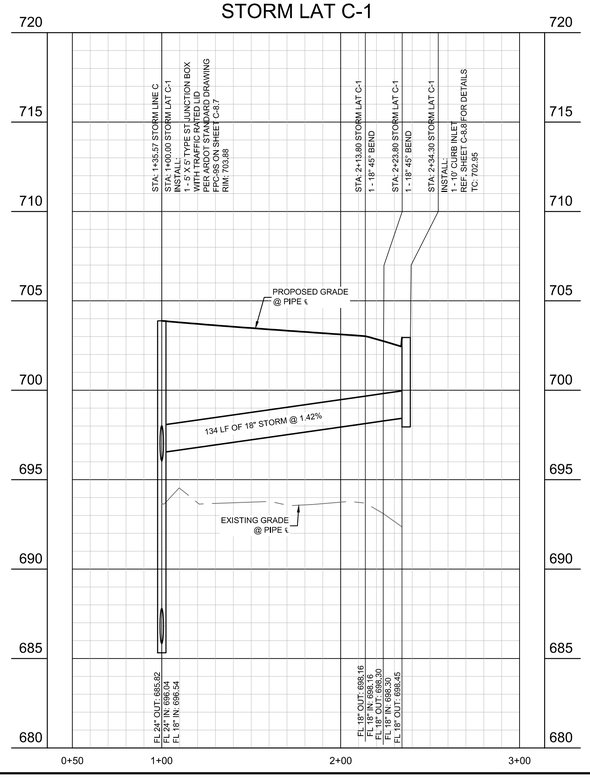
STORM LINE C



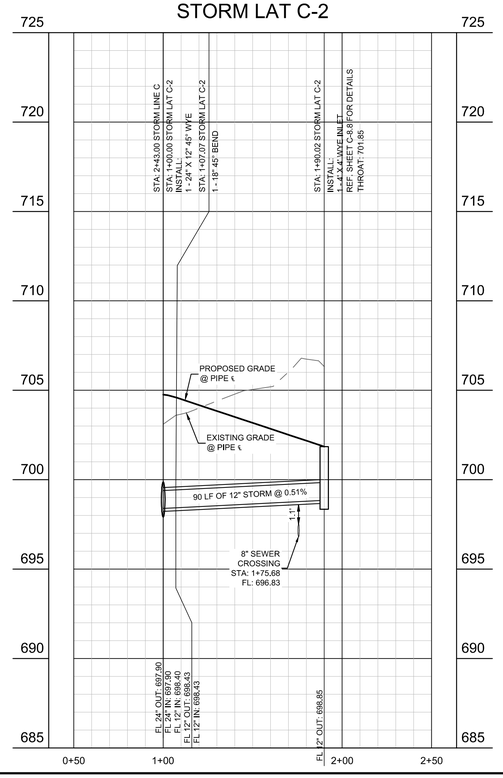
PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

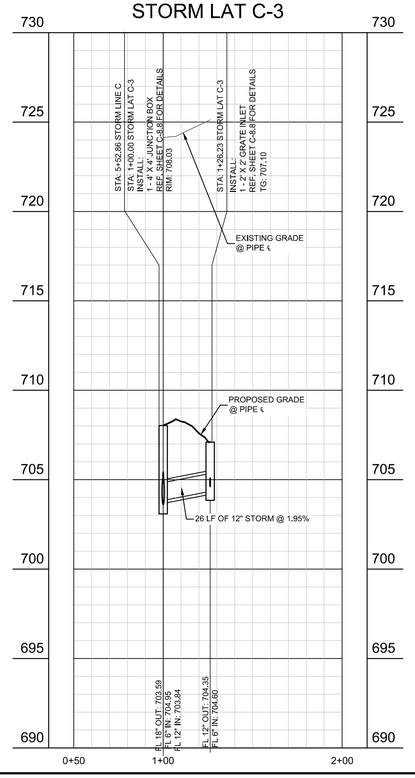
STORM LAT C-1



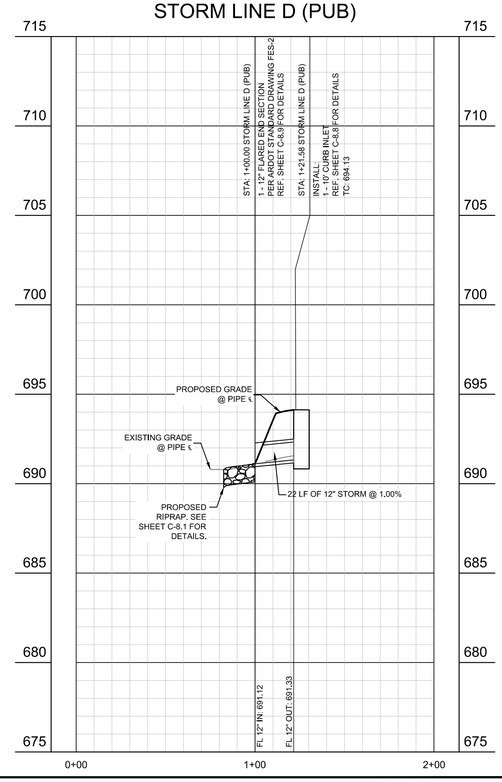
STORM LAT C-2



STORM LAT C-3



STORM LINE D (PUB)



This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
<Xrefs: LTB
09/30/25 1:19 PM
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
KIMLEY-HORN AND ASSOCIATES, INC.
HARDAWAY XYSON TYSON SMITH
C:\Users\tyson.smith\Kimley-Horn\MOUNTAIN HOME CROW MV LH_DESIGN\CAD\PLANSHEETS
STORM PROFILES.DWG [STORM PROFILES (4 OF 4)]

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

No.	REVISIONS	DATE	BY

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21244 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM PROFILES (4 OF 4)

SHEET NUMBER
C-8.5

STA. Dwstr.	STA. Upstr.	Upstr. Structure	Basin ID	Dist.	FL Elev. Dwstr.	TP Elev. Dwstr.	FL Elev. Upstr.	TP Elev. Upstr.	Pipe Slope	RCP or RCB	RCP Dia.	RCB Height	RCB Width	# of Barrels	Mng.'s "n"	Intercepted Area "A"	Runoff Coefficient "C"	Incremental "CA"	Accumulated "CA"	Time @ Upstr. Sta.	Design Freq.	Intensity "I"	Q indiv.	Q Design	Vel. Full	V_{cap}	Q_{cap}	Dn	Vp	Vph	Friction Slope	Friction Loss	Velocity Head	Head Loss Coeff.	Minor Losses	HGL El Dwstr.	HGL El Upstr.	HGL El Upstr.
											(in)	(ft)	(ft)			(ac)				(min)	(Yr)	(in/hr)	(ft^3/s)	(ft^3/s)	ft/s	(ft^3/s)	(ft^3/s)	(ft)	(ft^3/s)	(ft)	(ft/ft)	(ft)	(ft)	---	(ft)				
STM LINE A																																					683.51
1+00.00	1+32.50	MH00	A-1.1	32.50	683.10	685.10	683.26	685.26	0.50%	RCP	24.00			1	0.013	0.89	0.80	0.71	0.97	10	25	6.95	4.97	11.08	3.53	5.11	16.04	#NAME?	#NAME?	#NAME?	0.0024	0.08	0.19	0.05	0.10	683.51	683.59	----
1+32.50	3+04.51	NA		172.01	694.50	696.00	700.69	702.19	3.60%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.26	10	25	6.95	0.00	6.11	3.46	11.31	19.98	#NAME?	#NAME?	#NAME?	0.0034	0.58	0.19	1.00	0.10	696.00	696.58	----
3+04.51	3+10.51	45Y	A-1.2	6.00	700.69	702.19	700.76	702.26	1.13%	RCP	18.00			1	0.013	0.03	0.25	0.01	0.26	10	25	6.95	0.06	6.11	3.46	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0034	0.02	0.19	0.50	0.10	----	----	----
3+10.51	3+42.44	45Y	A-1.4	31.93	700.76	702.26	701.12	702.62	1.13%	RCP	18.00			1	0.013	0.04	1.00	0.04	0.25	10	25	6.95	0.26	6.05	3.43	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0033	0.11	0.18	0.50	0.10	----	----	----
3+42.44	3+71.73	45Y	A-1.3	29.29	701.12	702.62	701.45	702.95	1.13%	RCP	18.00			1	0.013	0.13	1.00	0.13	0.21	10	25	6.95	0.87	5.79	3.28	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0030	0.09	0.17	0.50	0.11	----	----	----
3+71.73	4+88.22	MH00	A-1.4 & A-1.5	116.49	701.45	702.95	702.77	704.27	1.13%	RCP	18.00			1	0.013	0.17	0.00	0.00	0.08	10	25	6.95	1.19	4.92	2.78	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0022	0.25	0.12	0.25	0.10	----	----	----
4+88.22	5+54.86	45Y	A-1.4	66.64	702.77	704.27	703.52	705.02	1.13%	RCP	18.00			1	0.013	0.04	1.00	0.04	0.08	10	25	6.95	0.26	3.73	2.11	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0013	0.08	0.07	0.50	0.10	----	----	----
5+54.86	5+60.00	NA		5.14	703.52	705.02	703.58	705.08	1.13%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.05	10	25	6.95	0.00	3.46	1.96	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0011	0.01	0.06	1.00	0.10	----	----	----
5+60.00	5+80.64	45B		20.64	703.58	705.08	703.81	705.31	1.13%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.05	10	25	6.95	0.00	3.46	1.96	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0011	0.02	0.06	0.35	0.10	----	----	----
5+80.64	6+49.38	45B		68.74	703.81	705.31	704.59	706.09	1.13%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.05	10	25	6.95	0.00	3.46	1.96	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0011	0.07	0.06	0.35	0.10	----	----	----
6+49.38	6+64.95	45Y	A-1.7	15.57	704.59	706.09	704.77	706.27	1.13%	RCP	18.00			1	0.013	0.23	0.20	0.05	0.05	10	25	6.95	0.32	3.46	1.96	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0011	0.02	0.06	0.50	0.10	----	----	----
6+64.95	6+83.06	INLET	A-1.6 & A-1.6a	18.11	704.77	706.27	704.97	706.47	1.13%	RCP	18.00			1	0.013	0.46	0.00	0.00	0.00	10	25	6.95	3.14	3.14	1.78	6.34	11.20	#NAME?	#NAME?	#NAME?	0.0009	0.02	0.06	1.25	0.10	----	----	----
STA. Dwstr.	STA. Upstr.	Upstr. Structure	Basin ID	Dist.	FL Elev. Dwstr.	TP Elev. Dwstr.	FL Elev. Upstr.	TP Elev. Upstr.	Pipe Slope	RCP or RCB	RCP Dia.	RCB Height	RCB Width	# of Barrels	Mng.'s "n"	Intercepted Area "A"	Runoff Coefficient "C"	Incremental "CA"	Accumulated "CA"	Time @ Upstr. Sta.	Design Freq.	Intensity "I"	Q indiv.	Q Design	Vel. Full	V_{cap}	Q_{cap}	Dn	Vp	Vph	Friction Slope	Friction Loss	Velocity Head	Head Loss Coeff.	Minor Losses	HGL El Dwstr.	HGL El Upstr.	HGL El Upstr.
											(in)	(ft)	(ft)			(ac)				(min)	(Yr)	(in/hr)	(ft^3/s)	(ft^3/s)	ft/s	(ft^3/s)	(ft^3/s)	(ft)	(ft^3/s)	(ft)	(ft/ft)	(ft)	(ft)	---	(ft)			
STM LINE B																																					683.51
1+00.00	1+25.00	MH00	B-1.1	25.00	680.43	681.93	680.56	682.06	0.50%	RCP	18.00			1	0.013	0.47	0.95	0.45	1.59	10	25	6.95	3.12	11.04	6.25	4.21	7.45	--	--	--	0.0110	0.27	0.61	0.05	0.10	683.51	683.78	683.88
1+25.00	2+05.15	NA		80.15	697.50	699.00	700.79	702.29	4.10%	RCP	18.00			1	0.013	0.00	0.00	0.00	1.14	10	25	6.95	0.00	7.92	4.48	12.07	21.33	#NAME?	#NAME?	#NAME?	0.0057	0.45	0.31	1.00	0.10	699.00	699.45	----
2+05.15	2+59.30	45Y	B-1.3	54.15	700.79	702.29	701.19	702.69	0.75%	RCP	18.00			1	0.013	0.28	1.00	0.28	1.14	10	25	6.95	1.98	7.92	4.48	5.16	9.12	#NAME?	#NAME?	#NAME?	0.0057	0.31	0.31	0.50	0.22	----	----	----
2+59.30	3+24.82	45Y	B-1.3	65.52	701.19	702.69	701.68	703.18	0.75%	RCP	18.00			1	0.013	0.28	1.00	0.28	0.85	10	25	6.95	1.98	5.94	3.36	5.16	9.12	#NAME?	#NAME?	#NAME?	0.0032	0.21	0.18	0.50	0.22	----	----	----
3+24.82	3+30.82	PSC		6.00	702.18	703.18	702.23	703.23	0.75%	RCP	12.00			1	0.013	0.00	0.00	0.00	0.57	10	25	6.95	0.00	3.96	5.04	3.94	3.09	--	--	--	0.0123	0.07	0.39	1.00	0.10	703.18	703.26	703.36
3+30.82	3+94.90	45Y	B-1.3	64.08	702.23	703.23	702.71	703.71	0.75%	RCP	12.00			1	0.013	0.28	1.00	0.28	0.57	10	25	6.95	1.98	3.96	5.04	3.94	3.09	--	--	--	0.0123	0.79	0.39	0.50	0.35	703.36	704.14	704.49
3+94.90	4+87.21	45B		92.31	702.71	703.71	703.40	704.40	0.75%	RCP	12.00			1	0.013	0.00	0.00	0.00	0.28	10	25	6.95	0.00	1.98	2.52	3.94	3.09	--	--	--	0.0031	0.28	0.10	0.35	0.10	704.49	704.77	704.87
4+87.21	4+91.29	45B		4.08	703.40	704.40	703.80	704.80	9.82%	RCP	12.00			1	0.013	0.00	0.00	0.00	0.28	10	25	6.95	0.00	1.98	2.52	14.25	11.19	--	--	--	0.0031	0.01	0.10	0.35	0.10	704.87	704.89	704.99
4+91.29	5+13.68	NA	B-1.3	22.39	703.80	704.80	706.00	707.00	9.82%	RCP	12.00			1	0.013	0.28	1.00	0.28	0.28	10	25	6.95	1.98	1.98	2.52	14.25	11.19	#NAME?	#NAME?	#NAME?	0.0031	0.07	0.10	1.00	0.10	704.99	705.05	----
STA. Dwstr.	STA. Upstr.	Upstr. Structure	Basin ID	Dist.	FL Elev. Dwstr.	TP Elev. Dwstr.	FL Elev. Upstr.	TP Elev. Upstr.	Pipe Slope	RCP or RCB	RCP Dia.	RCB Height	RCB Width	# of Barrels	Mng.'s "n"	Intercepted Area "A"	Runoff Coefficient "C"	Incremental "CA"	Accumulated "CA"	Time @ Upstr. Sta.	Design Freq.	Intensity "I"	Q indiv.	Q Design	Vel. Full	V_{cap}	Q_{cap}	Dn	Vp	Vph	Friction Slope	Friction Loss	Velocity Head	Head Loss Coeff.	Minor Losses	HGL El Dwstr.	HGL El Upstr.	HGL El Upstr.
											(in)	(ft)	(ft)			(ac)				(min)	(Yr)	(in/hr)	(ft^3/s)	(ft^3/s)	ft/s	(ft^3/s)	(ft^3/s)	(ft)	(ft^3/s)	(ft)	(ft/ft)	(ft)	(ft)	---	(ft)			
STM LINE C																																					683.51
1+00.00	2+62.44	45B		162.44	682.96	685.46	683.77	686.27	0.50%	RCP	30.00			1	0.013	0.00	0.00	0.00	4.18	10	25	6.95	0.00	29.08	5.92	5.92	29.08	#NAME?	#NAME?	#NAME?	0.0050	0.81	0.54	0.35	0.19	683.51	684.32	----
2+62.44	3+29.25	60Y	C-1.1	66.81	683.77	686.27	687.15	689.65	5.06%	RCP	30.00			1	0.013	0.29	0.81	0.23	4.18	10	25	6.95	1.63	29.08	5.92	18.85	92.51	#NAME?	#NAME?	#NAME?	0.0050	0.33	0.54	0.35	0.37	----	----	----
3+29.25	3+35.25	PSC		6.00	687.15	689.65	687.46	689.96	5.06%	RCP	30.00			1	0.013	0.00	0.00	0.00	3.95	10	25	6.95	0.00	27.45	5.59	18.85	92.51	#NAME?	#NAME?	#NAME?	0.0045	0.03	0.49	1.00	0.70	----	----	----
3+35.25	3+64.35	45B		29.10	687.96	689.96	689.43	691.43	5.06%	RCP	24.00			1	0.013	0.00	0.00	0.00	3.95	10	25	6.95	0.00	27.45	8.74	16.24	51.02	#NAME?	#NAME?	#NAME?	0.0146	0.43	1.19	0.35	0.41	----	----	----
3+64.35	4+19.74	MH00	C-1.2	55.39	689.43	691.43	692.23	694.23	5.06%	RCP	24.00			1	0.013	0.98	0.98	0.97	3.95	10	25	6.95	6.71	27.45	8.74	16.24	51.02	#NAME?	#NAME?	#NAME?	0.0146	0.81	1.19	0.25	1.02	----	----	----
4+19.74	5+69.99	45Y	C-1.3	150.25	692.22	694.22	693.65	695.65	0.95%	RCP	24.00			1	0.013	1.29	0.88	1.14	2.98	10	25	6.95	7.94	20.74	6.60	7.04	22.11	#NAME?	#NAME?	#NAME?	0.0084	1.26	0.68	0.50	0.55	----	----	----
5+69.99	5+75.99	PSC		6.00	693.65	695.65	693.70	695.70	0.95%	RCP	24.00			1	0.013	0.00	0.00	0.00	1.84	10	25	6.95	0.00	12.81	4.08	7.04	22.11	#NAME?	#NAME?	#NAME?	0.0032	0.02	0.26	1.00	0.56	----	----	----
5+75.99	7+79.14	MH00	C-1.4	203.15	694.20	695.70	696.13	697.63	0.95%	RCP	18.00			1	0.013	0.50	0.90	0.45	1.84	10	25	6.95	3.13	12.81	7.25	5.81	10.27	--	--	--	0.0148	3.00	0.82	0.25	0.70	695.70	698.71	699.41
7+79.14	8+15.00	45Y	C-1.5	35.86	696.11	697.61	697.04	698.54	2.59%	RCP	18.00			1	0.013	1.03	0.93	0.95	1.39	10	25	6.95	6.63	9.67	5.47	9.59	16.95	--	--	--	0.0084	0.30	0.47	0.50	0.44	699.41	699.71	700.15
8+15.00	8+66.60	45B		51.60	697.04	698.54	698.38	699.88	2.59%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.44	10	25	6.95	0.00	3.05	1.72	9.59	16.95	--	--	--	0.0008	0.04	0.05	0.35	0.10	700.15	700.19	700.29
8+66.60	10+05.62	45B		139.02	698.38	699.88	701.98	703.48	2.59%	RCP	18.00			1	0.013	0.00	0.00	0.00	0.44	10	25	6.95	0.00	3.05	1.72	9.59	16.95	#NAME?	#NAME?	#NAME?	0.0008	0.12	0.05	0.35	0.10	700.29	700.41	----
10+05.62	10+18.11	INLET	C-1.6	12.49	701.98	703.48	702.30	703.80	2.59%	RCP	18.00			1	0.013	0.62	0.70	0.44	0.44	10	25	6.95	3.05	3.05	1.72	9.59	16.95	#NAME?	#NAME?	#NAME?	0.0008	0.01	0.05	1.25	0.10	----	----	----

IMAGES
LTB
11/5/2025 6:01 AM
LAST SAVED
HARDAWAY, KYSON
PLOTTED BY
MOUNTAIN HOME
DWG NAME
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

No.	REVISIONS	DATE	BY

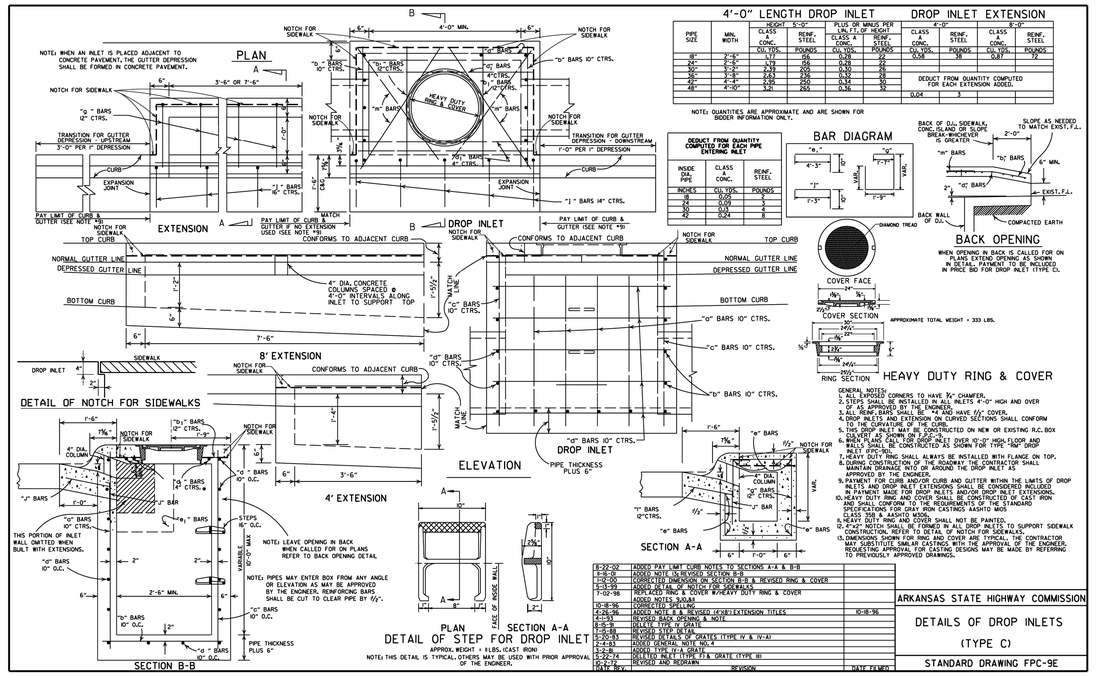
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM CALCULATIONS

SHEET NUMBER
C-8.6



PIPE SIZE	MIN. WIDTH	HEIGHT 5'-0"		PLUS OR MINUS PER 1 FT. OF HEIGHT CLASS A CONC.	REINF. STEEL	4'-0"		8'-0"	
		CLASS A CONC.	REINF. STEEL			CLASS A CONC.	REINF. STEEL	CLASS A CONC.	REINF. STEEL
		CU. YDS.	POUNDS	CU. YDS.	POUNDS	CU. YDS.	POUNDS	CU. YDS.	POUNDS
18"	2'-6"	1.73	156	0.28	22	0.58	38	0.87	74
24"	2'-8"	1.78	156	0.28	22				
30"	3'-2"	2.39	205	0.30	26				
36"	3'-8"	2.63	236	0.32	28	DEDUCT FROM QUANTITY COMPUTED FOR EACH EXTENSION ADDED.			
42"	4'-2"	2.95	250	0.34	30				
48"	4'-10"	3.21	265	0.36	32	0.04	3		

NOTE: QUANTITIES ARE APPROXIMATE AND ARE SHOWN FOR BIDDER INFORMATION ONLY.

INSIDE DIA. PIPE	CLASS A CONC.	REINF. STEEL
INCHES	CU. YDS.	POUNDS
18	0.05	4
24	0.09	7
30	0.13	9
42	0.24	18

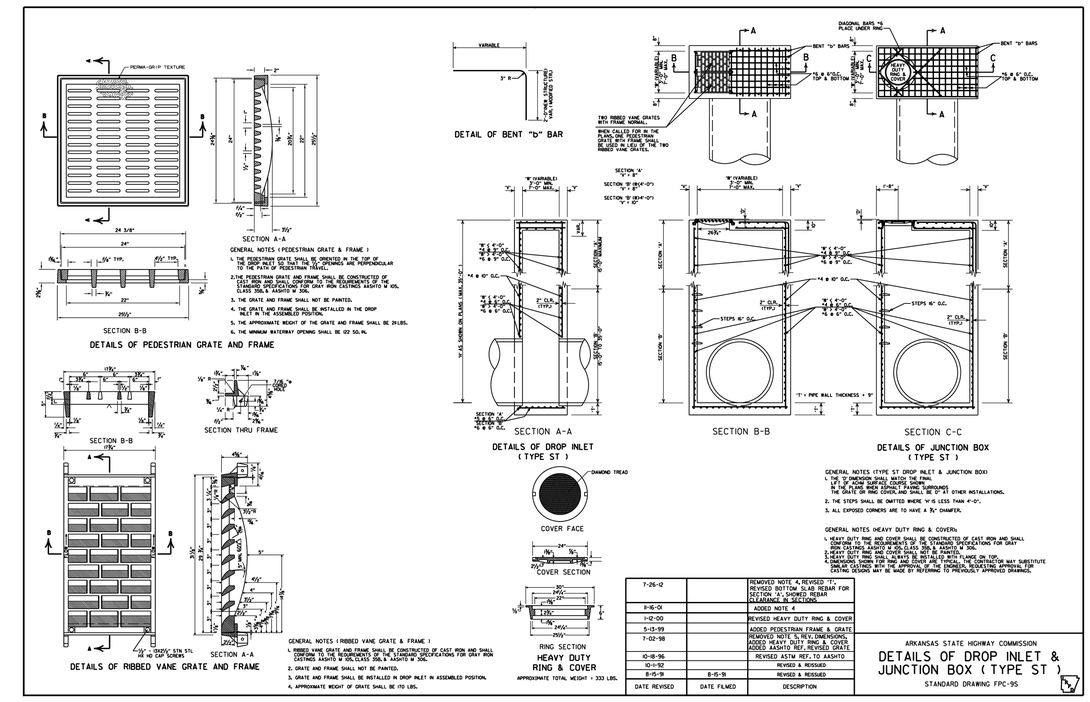
7-26-12		REMOVED NOTE 4, REVISED "T", REVISED BOTTOM SLAB REBAR FOR SECTION "C", SHOWED REBAR ARRANGEMENT AT CURBS.
8-16-13		ADDED NOTE 4
1-12-00		REVISED HEAVY DUTY RING & COVER
5-13-99		ADDED PEDESTRIAN FRAME & GRATE
7-02-98		REVISED NOTE 5, REV. DIMENSIONS, ADDED HEAVY DUTY RING & COVER, ADDED AASHTO REF. REVISED GRATE
10-18-96		REVISED ASTM REF. TO AASHTO
10-1-92		REVISED & RESIZED
8-15-91	8-15-91	REVISED & RESIZED
DATE REVISED	DATE FILMED	DESCRIPTION

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF DROP INLETS

(TYPE C)

STANDARD DRAWING FPC-9E



GENERAL NOTES (PEDESTRIAN GRATE & FRAME)

1. THE PEDESTRIAN GRATE SHALL BE ORIENTED IN THE TOP OF DROP INLET SO THAT THE BAR SPACING ARE PERPENDICULAR TO THE PATH OF PEDESTRIAN TRAVEL.
2. THE PEDESTRIAN GRATE AND FRAME SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105, CLASS 30A, & AASHTO M 306.
3. THE GRATE AND FRAME SHALL NOT BE PAINTED.
4. THE GRATE AND FRAME SHALL BE INSTALLED IN THE DROP INLET IN ASSEMBLED POSITION.
5. THE APPROXIMATE WEIGHT OF THE GRATE AND FRAME SHALL BE 241LBS.
6. THE MINIMUM WATERWAY OPENING SHALL BE 122 SQ. IN.

GENERAL NOTES (RIBBED VANE GRATE & FRAME)

1. RIBBED VANE GRATE AND FRAME SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105,CLASS 30A, & AASHTO M 306.
2. GRATE AND FRAME SHALL NOT BE PAINTED.
3. GRATE AND FRAME SHALL BE INSTALLED IN DROP INLET IN ASSEMBLED POSITION.
4. APPROXIMATE WEIGHT OF GRATE SHALL BE 170 LBS.

GENERAL NOTES (TYPE ST DROP INLET & JUNCTION BOX)

1. THE "J" DIMENSION SHALL MATCH THE FINAL GRADE OF ADJACENT CURBS AND SIDEWALKS.
2. THE STEPS SHALL BE OMITTED WHERE "H" IS LESS THAN 4'-0".
3. ALL EXPOSED CORNERS ARE TO HAVE A ¾" CHAMFER.

GENERAL NOTES HEAVY DUTY RING & COVER:

4. HEAVY DUTY RING AND COVER SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS, AASHTO M 105, CLASS 30B & AASHTO M 306.
5. HEAVY DUTY RING SHALL ALWAYS BE INSTALLED WITH FLANGE ON TOP.
6. DIMENSIONS SHOWN FOR RING AND COVER ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR CASTINGS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR CASTING DESIGNS MAY BE MADE BY REFERRING TO PREVIOUSLY APPROVED DRAWINGS.

7-26-12		REMOVED NOTE 4, REVISED BOTTOM SLAB REBAR FOR SECTION "C", SHOWED REBAR ARRANGEMENT AT CURBS.
8-16-13		ADDED NOTE 4
1-12-00		REVISED HEAVY DUTY RING & COVER
5-13-99		ADDED PEDESTRIAN FRAME & GRATE
7-02-98		REVISED NOTE 5, REV. DIMENSIONS, ADDED HEAVY DUTY RING & COVER, ADDED AASHTO REF. REVISED GRATE
10-18-96		REVISED ASTM REF. TO AASHTO
10-1-92		REVISED & RESIZED
8-15-91	8-15-91	REVISED & RESIZED
DATE REVISED	DATE FILMED	DESCRIPTION

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)

STANDARD DRAWING FPC-9S

INSTALLATION TYPE	•• MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 2	•SELECTED MATERIALS (CLASS SM-1, SM-2 OR SM-4)

- AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7) MAY BE USED IN LIEU OF SELECTED MATERIAL.

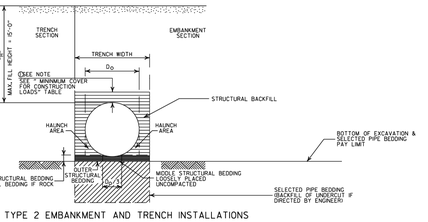
SM-3 WILL NOT BE ALLOWED.

•• STRUCTURAL BEDDING MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1INCH. STRUCTURAL BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, STONES LARGER THAN 1.50 INCH IN GREATEST DIMENSION, OR FROZEN LUMPS.

STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF HDPE PIPE.

MINIMUM TRENCH WIDTH BASED ON FILL HEIGHT "H"

PIPE DIAMETER	TRENCH WIDTH (FEET) "H" < 10'-0"	"H" >OR= 10'-0"
18"	4'-0"	4'-6"
24"	5'-0"	5'-6"
30"	5'-6"	6'-0"
36"	6'-0"	9'-0"
42"	7'-0"	10'-0"
48"	8'-0"	12'-0"



TYPE 2 EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, EMBANKMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

MULTIPLE INSTALLATION OF HIGH DENSITY POLYETHYLENE PIPES

PIPE DIAMETER	CLEAR DISTANCE BETWEEN PIPES
12"	2'-0"
24"	2'-0"
30"	2'-0"
36"	3'-0"
42"	3'-6"
48"	4'-0"

MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIAMETER	@ MIN. COVER (FEET) FOR INDICATED CONSTRUCTION LOADS			
	16,0-19,0 (KIPS)	50,0-75,0 (KIPS)	75,0-145,0 (KIPS)	145,0-175,0 (KIPS)
36" OR LESS	2'-0"	2'-0"	3'-0"	3'-0"
42" OR GREATER	3'-0"	3'-0"	3'-6"	4'-0"

@MINIMUM COVER SHALL BE MEASURED FROM TOP OF PIPE TO TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE. THE SURFACE SHALL BE MAINTAINED.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 604.03.F.1.

GENERAL NOTES

1. PIPE SHALL CONFORM TO AASHTO M294, TYPE S, INSTALLATION SHALL CONFORM TO JOB SPECIAL PROVISION "PLASTIC PIPE" AND SECTION 606 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITIONS.
2. PLASTIC PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PLUS A SUFFICIENT WIDTH TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER BACKFILL MATERIAL.
4. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
5. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
6. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE ABOVE THE AREA IDENTIFIED ABOVE AS STRUCTURAL BACKFILL, BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE, IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."
7. FOR PIPE TYPES THAT ARE NOT SMOOTH ON THE OUTSIDE (CORRUGATED OR PROFILE WALLS), BACKFILL GRADATIONS SHOULD BE SELECTED THAT WILL PERMIT THE FILLING OF THE CORRUGATION OR PROFILE VALLEY.
8. HIGH DENSITY POLYETHYLENE PIPES OF DIAMETERS OTHER THAN SHOWN WILL NOT BE ALLOWED.
9. JOINTS FOR HDPE PIPE SHALL MEET THE REQUIREMENTS FOR SOIL TIGHTNESS AS SPECIFIED IN AASHTO SECTION 26.4.2.4 AND 30.4.2. AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS." JOINTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

- LEGEND -

H = FILL HEIGHT (FT.)
D = OUTSIDE DIAMETER OF PIPE
MAX.= MAXIMUM
MIN.= MINIMUM

= STRUCTURAL BACKFILL MATERIAL

= UNDISTURBED SOIL

2-27-14	REVISED GENERAL NOTE 1.
12-15-11	REVISED GENERAL NOTES & MINIMUM COVER NOTE
2-17-01	ISSUED
DATE	REVISION

DATE FILMED

ARKANSAS STATE HIGHWAY COMMISSION

PLASTIC PIPE CULVERT

(HIGH DENSITY POLYETHYLENE)

STANDARD DRAWING PCP-1

REINFORCED CONCRETE ARCH PIPE DIMENSIONS

EQUIV. DIA.	SPAN		RISE	
	AASHTO M 206	ARDOT NOMINAL	AASHTO M 206	ARDOT NOMINAL
INCHES	INCHES			
15	18	18	11	11
18	22	22	13½	14
21	26	26	15½	16
24	29½	29	18	18
30	36½	36	22½	23
36	43⅝	44	26⅝	27
42	51⅝	51	31⅝	31
48	58⅝	59	36	36
54	65	65	40	40
60	73	73	45	45
72	88	88	54	54
84	102	102	62	62
90	115	115	72	72
96	122	122	73½	77
108	138	138	87½	87
120	154	154	96½	97
132	168⅜	169	106½	107

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

EQUIV. DIA.	AASHTO M 207	
	SPAN	RISE
INCHES	INCHES	
18	23	14
24	30	19
27	34	22
30	38	24
33	42	27
36	45	29
39	49	32
42	53	34
48	60	38
54	68	43
60	76	48
66	83	53
72	91	58
78	98	63
84	106	68

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 604.03.F.1.

NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.

- LEGEND -

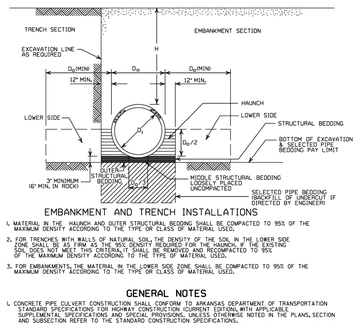
D_o = NOMINAL INSIDE DIAMETER OF PIPE
D_o = OUTSIDE DIAMETER OF PIPE
H = FILL COVER HEIGHT OVER PIPE (FEET)
MIN. = MINIMUM

= UNDISTURBED SOIL

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL*
TYPE 3 **	AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL

*SM-3 WILL NOT BE ALLOWED.

**MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.



EMBANKMENT AND TRENCH INSTALLATIONS

1. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. FOR TRENCHES WITH WALLS OF NATURAL SOIL, THE DENSITY OF THE SOIL IN THE LOWER SIDE ZONE SHALL BE AS FIRM AS THE 95% DENSITY REQUIRED FOR THE HAUNCH, IF THE EXISTING SOIL IS LESS DENSE THAN THIS, IT SHALL BE COMPACTED TO THE DENSITY REQUIRED FOR 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OF MATERIAL USED.
3. FOR EMBANKMENTS, THE MATERIAL IN THE LOWER SIDE ZONE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

GENERAL NOTES

1. CONCRETE PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CURRENT EDITION, WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONCRETE PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. ALL PIPE SHALL CONFORM TO SECTION 606, CIRCULAR R.C. PIPE CULVERTS SHALL CONFORM TO AASHTO M170. R.C. ARCH PIPE CULVERTS SHALL CONFORM TO AASHTO M206 AND HORIZONTAL ELLIPTICAL PIPE CULVERTS SHALL CONFORM TO AASHTO M207.
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN PIPES. FOR PIPE SIZES 84" AND LARGER, REFER TO STD. DWG. FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. NOT MORE THAN ONE LIFTING HOLE MAY BE PROVIDED IN CONCRETE PIPE TO FACILITATE HANDLING. HOLE MAY BE CAST IN PLACE, CUT INTO THE FRESH CONCRETE AFTER FORMS ARE REMOVED, OR DRILLED. THE HOLE SHALL NOT BE MORE THAN TWO INCHES IN DIAMETER OR TWO SQUARE INCHES IN AREA. THE HOLE SHALL BE LOCATED WITHIN THE TOP 30° ARC OF THE PIPE. SPIRALLY WOUND AREAS AROUND THE HOLE SHALL BE REINFORCED IN A WORKMANLIKE MANNER. LIFTING HOLE SHALL BE FILLED WITH MORTAR, CONCRETE, OR OTHER METHOD AS APPROVED BY THE ENGINEER.
9. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
10. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE ABOVE THE AREA IDENTIFIED ABOVE AS THE HAUNCH, BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE			
	CLASS III		CLASS IV	CLASS V
	TYPE 1 OR 2	TYPE 3	ALL	ALL
PIPE ID (IN.)	FEET			
12-15	2	2,5	2	1
18-24	2,5	3	2	1
27-33	3	4	2	1
36-42	3,5	5	2	1
48	4,5	5,5	2	1
54-60	5	7	2	1
66-78	6	8	2	1
84-108	7,5	8	2	1

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE		
	CLASS III	CLASS IV	CLASS V
	FEET		
TYPE 1	21	32	50
TYPE 2	16	25	39
TYPE 3	12	20	30

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
	FEET	
TYPE 2 OR TYPE 3	2,5	1,5

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
	FEET	
TYPE 2	13	21
TYPE 3	10	16

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

2-27-14	REVISED GENERAL NOTE 1.
12-15-11	REVISED FOR LRFD DESIGN SPECIFICATIONS
5-18-00	REVISED TYPE 1 BEDDING & ADDED NOTE
3-30-00	REVISED INSTALLATIONS
6-26-97	ISSUED
DATE	REVISION

DATE FILMED

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING

STANDARD DRAWING PCC-1

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date: 07/10/2026

No.	REVISIONS	DATE	BY

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM DETAILS (1 OF 4)

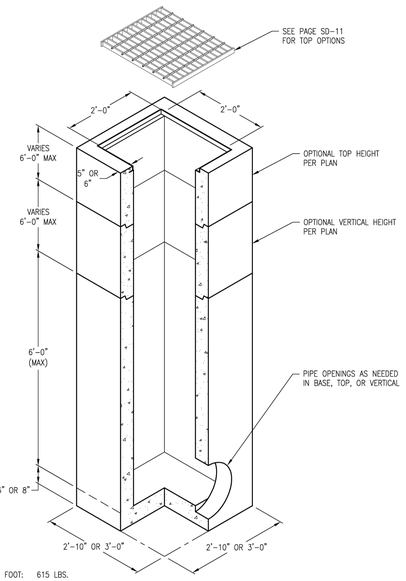
SHEET NUMBER
C-8.7

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED
PLOTTED BY
DWG NAME
ITB
7/8/2026 4:50 PM
HORONAY, KYSON (N-TX/OK) 8:58 PM
C:\Users\kyson.horonay\Trammell Crow WO\1.14_DESIGN\CAD\PLANSHEETS\STORM DETAILS\DWG - [STORM DETAILS (1 OF 4)]

VERTICAL AVAILABLE TO MEET REQUIRED DEPTH

SD-3



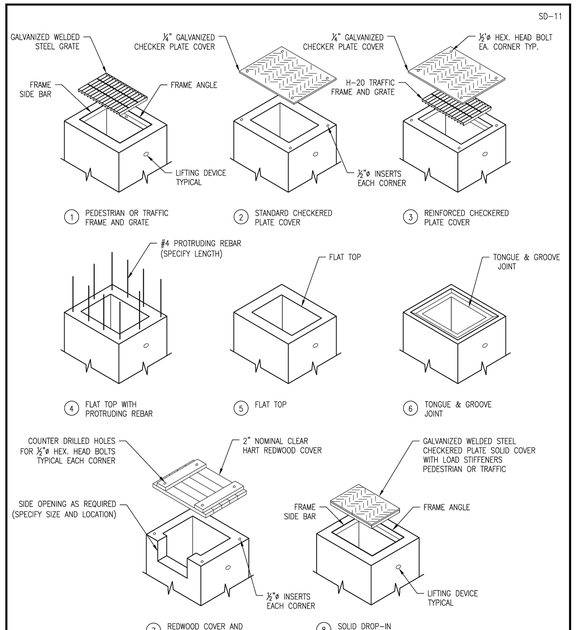
5" WALL VERTICAL WEIGHT PER FOOT:	615 LBS.
6" FLOOR WEIGHT:	610 LBS.
6" WALL VERTICAL WEIGHT PER FOOT:	765 LBS.
8" FLOOR WEIGHT:	920 LBS.

DRAWING MAY NOT CONFORM TO THE MOST CURRENT SPECIFICATION

Oldcastle Precast® Northern California Madera • Morgan Hill • Pleasanton • Santa Rosa • Stockton • Tulare Phone: 925-750-6650 Fax: 925-750-6660	DI-2424 FILE NAME: SD-3.DWG REVISED: MARCH 2016 www.oldcastleprecast.com	2'-0" X 2'-0" X VARIES (I.D.) DRAINAGE INLET STORM DRAIN

Copyright © 2016 Oldcastle® Precast, Inc.

SD-11

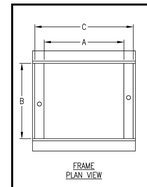


DRAWING MAY NOT CONFORM TO THE MOST CURRENT SPECIFICATION

Oldcastle Precast® Northern California Madera • Morgan Hill • Pleasanton • Santa Rosa • Stockton • Tulare Phone: 925-750-6650 Fax: 925-750-6660	VARIOUS TOPS FILE NAME: SD-11.DWG REVISED: MARCH 2016 www.oldcastleprecast.com	VARIOUS TOPS OPTIONS DRAINAGE INLET STORM DRAIN

Copyright © 2016 Oldcastle® Precast, Inc.

SD-12



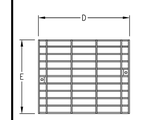
FRAME
PLAN VIEW

PEDESTRIAN (NON-TRAFFIC) FRAMES

SIZE	FRAME SIZE A	FRAME SIZE B	FRAME SIZE C	FRAME HEIGHT
12x12	12 3/8"	12 3/8"	15"	1 1/2"
18x18	18 3/4"	18 3/8"	21"	1 1/8"
18x24	18 3/4"	24 3/8"	21"	1 1/4"
24x24	24 3/8"	24 3/8"	27"	1 1/2"
24x30	24 3/8"	30 3/4"	27"	1 1/2"
24x36	24 3/8"	36 3/8"	27"	1 1/2"
24x48	24 3/8"	48 3/8"	27"	1 1/2"
30x30	30 3/8"	30 3/8"	33"	1 1/2"
36x36	36 3/8"	36 1/2"	39 1/2"	1 3/4"
36x48	36 1/2"	48 3/8"	39 5/8"	1 3/4"
48x48	48 3/8"	48 3/8"	51"	2"

TRAFFIC FRAMES

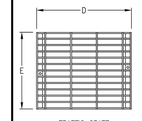
SIZE	FRAME SIZE A	FRAME SIZE B	FRAME SIZE C	FRAME HEIGHT
12x12	12 3/8"	12 3/8"	15"	1 1/2"
18x18	18 3/8"	18 3/8"	21"	2 1/2"
18x24	18 3/8"	24 3/8"	21"	2 1/2"
24x24	24 3/8"	24 3/8"	27"	2 1/2"
24x30	24 1/2"	30 3/4"	27 1/8"	2 1/2"
24x36	24 1/2"	36 3/8"	27 1/8"	2 1/2"
24x48	24 3/8"	48 1/2"	27"	2 1/2"
30x30	30 3/8"	30 3/4"	34 3/8"	3 1/4"
36x36	36 3/8"	36 5/8"	40 1/2"	3 3/4"
36x48	36 5/8"	48 3/8"	40 1/8"	3 3/4"
48x48	48 1/2"	48 1/2"	52 1/2"	4 1/2"



PEDESTRIAN GRATE
PLAN VIEW

PEDESTRIAN (NON-TRAFFIC), BICYCLE-PROOF GRATES

SIZE	GRATE SIZE D	GRATE SIZE E	GRATE HEIGHT	WEIGHTS (LBS) FRAME	WEIGHTS (LBS) GRATE
12x12	14 7/8"	12 5/8"	1 1/4"	9	13
18x18	20 5/8"	18"	1"	7	20
18x24	20 5/8"	24"	1 1/4"	18	35
24x24	26 3/4"	24"	1 1/4"	16	44
24x30	26 3/4"	30"	1 1/4"	19	54
24x36	26 3/4"	36"	1 1/4"	19	65
24x48	26 1/2"	48"	1 1/4"	23	87
30x30	31 5/8"	30"	1 1/4"	19	66
36x36	39"	36"	1 1/2"	38	111
36x48	39"	48"	1 1/2"	31	145
48x48	50"	48"	1 3/4"	35	230



TRAFFIC GRATE
PLAN VIEW

TRAFFIC, BICYCLE-PROOF GRATES

SIZE	GRATE SIZE D	GRATE SIZE E	GRATE HEIGHT	WEIGHTS (LBS) FRAME	WEIGHTS (LBS) GRATE
12x12	14 5/8"	11 7/8"	1 3/4"	9	27
18x18	20 5/8"	18"	2 1/4"	16	45
18x24	20 5/8"	24"	2 1/4"	23	60
24x24	26 3/4"	24"	2 1/4"	21	76
24x30	26 3/4"	30"	2 1/4"	24	94
24x36	26 1/2"	36"	2 1/4"	26	137
24x48	26 5/8"	48"	2 1/4"	31	145
30x30	34"	30"	3"	43	139
36x36	40"	36"	3 1/2"	62	219
36x48	40"	23 5/8"	3 1/2"	84	282
48x48	52 7/8"	23 7/8"	4"	93	524

NOTES:
1. FRAME AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. ADDITIONAL SIZES AVAILABLE UPON REQUEST
3. LOCKING BOLTS INCLUDED

DRAWING MAY NOT CONFORM TO THE MOST CURRENT SPECIFICATION

Oldcastle Precast® Northern California Madera • Morgan Hill • Pleasanton • Santa Rosa • Stockton • Tulare Phone: 925-750-6650 Fax: 925-750-6660	PEDESTRIAN & TRAFFIC FILE NAME: SD-12.DWG REVISED: MARCH 2016 www.oldcastleprecast.com	TYPICAL FRAME & GRATES DRAINAGE INLET STORM DRAIN

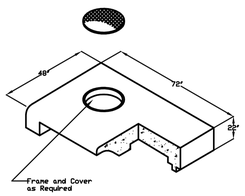
Copyright © 2016 Oldcastle® Precast, Inc.

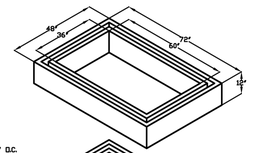
5' Curb Inlet

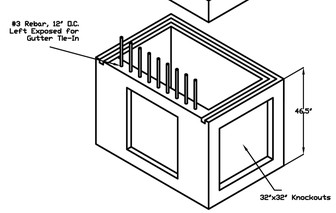
Specifications:

1. CONCRETE: 5,000 PSI
2. REINFORCING: per ASTM A-615 or A-185
3. WEIGHT:

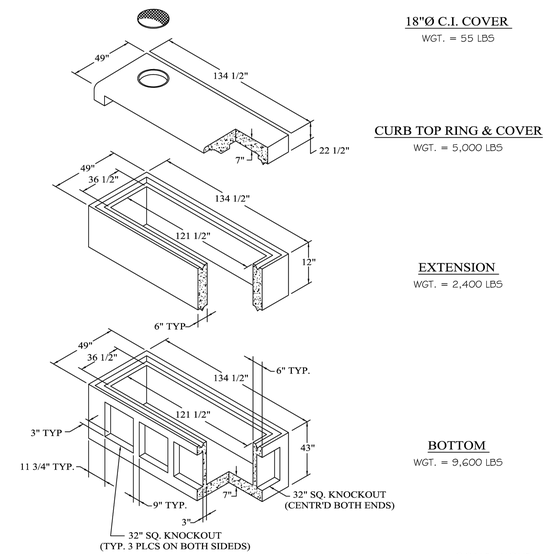
BASE	6,300 LBS
EXTENSION	1,350 LBS
TOP	3,600 LBS
	11,250 LBS Total







The Turner Company		11049 Highway 287 Rhome, Tx 76078 (817) 638-9053
Product: 5' Curb Inlet		
Concrete: 5,000 PSI MIN. - 28 DAY STRENGTH		
Reinforcement: MEETS OR EXCEEDS ASTM A-615 or A-185		
Size:	Date:	DWG No.
Weight:		



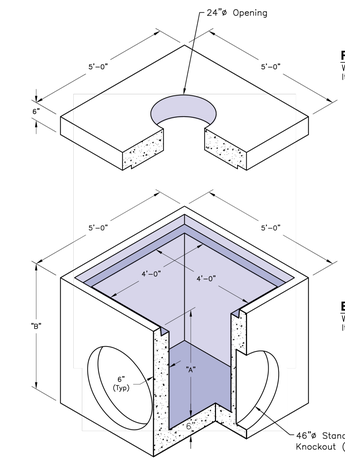
SCALE: NONE

The Turner Company		11049 Highway 287 Rhome, Tx 76078 (817) 638-9053
Product: 10' CURB INLET		
Concrete: 5,000 PSI MINIMUM		
Reinforcement: MEETS OR EXCEEDS ASTM A-615 & ASTM-48		
Size:	Date: 01-02-2007	DWG No. 10'-0 CURB INLET
Weight:		

Oldcastle Precast®

Water

4'-0"x4'-0" I.D.
Junction Box
Model: JB-440



Roof Slab
Weight – 2,200 Lbs.
Item# – 1208240

GENERAL NOTES:
1. Different Height of Bodies are Available by Request.
2. Frames and Covers Also Available.

SPECIFICATIONS:
1. Concrete has a design strength of 5000 PSI at 28 days.
2. Steel reinforcement: ASTM A-615 Grade 60 or ASTM A-497 Welded wire fabric.
3. Loading: Designed for H20 Loading.
4. C.I. Castings: ASTM A-48, Class 30/35.

Bottom
Weight – See Table
Item# – See Table

Bottom Section

A	B	Weight	Item #
18"	24"	3900 Lbs.	1204800
24"	30"	4575 Lbs.	1204820
30"	36"	5250 Lbs.	1204880
36"	42"	5925 Lbs.	1204920
42"	48"	6600 Lbs.	1204960
48"	54"	7275 Lbs.	1205060
54"	60"	7950 Lbs.	1205100
60"	66"	8625 Lbs.	1205140

For more information about our products please visit us on the web at:
oldcastleprecast.com
© 2013 Oldcastle Precast, Inc.
JB-9

Texas Region

888-9 Oldcastle
(888-965-3227)

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
DRAWING NAME

ITE
7/8/2026 4:50 PM
MARQUAY, KYSON
K:\ROG_Civil\064587901 CROW WY\14_DESIGN\CAD\PLANSHEETS
STORM DETAILS (2 OF 4).I

No.	REVISIONS
DATE	
BY	

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

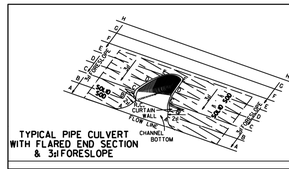
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

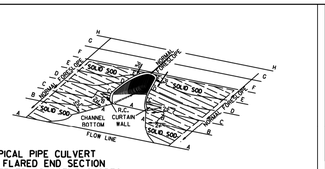
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

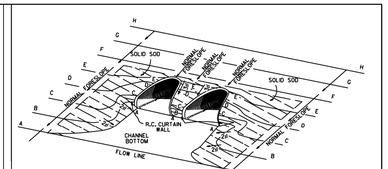
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM DETAILS (2 OF 4)

SHEET NUMBER
C-8.8



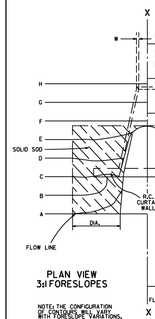




R.C. CURTAIN WALL DIMENSIONS & QUANTITIES

PIPE DIA.	H_1	L_1	L	L (QTY.) / 2	SINGLE R.C.P.C. CONC. CU. YDS.	SINGLE R.C.P.C. REINF. STEEL LBS.	DOUBLE R.C.P.C. CONC. CU. YDS.	DOUBLE R.C.P.C. REINF. STEEL LBS.
18"	1'-7½"	3'-5"	8'-0"	6'-3"	0.31	27.7	0.45	39.5
24"	1'-10½"	4'-6"	9'-6"	7'-6"	0.37	33.4	0.53	48.0
30"	1'-13½"	5'-7"	11'-0"	9'-0"	0.45	39.0	0.67	59.0
36"	2'-1"	6'-9"	12'-0"	10'-6"	0.56	52.6	0.83	73.5
42"	2'-1½"	7'-3"	15'-6"	12'-0"	0.82	77.1	1.10	100.7
48"	2'-2"	7'-10"	17'-0"	13'-0"	0.98	94.9	1.27	120.4
54"	2'-2½"	8'-5"	18'-6"	14'-0"	1.16	115.8	1.47	143.7
60"	3'-4"	9'-0"	20'-6"	15'-6"	1.47	149.7	1.84	180.3
72"	4'-5"	10'-2"	25'-6"	18'-6"	2.29	230.6	2.73	271.0

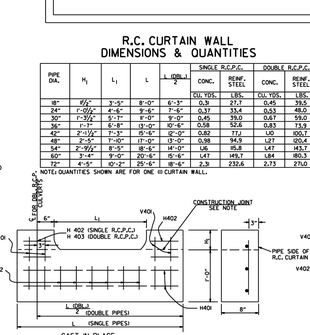
NOTE: QUANTITIES SHOWN ARE FOR ONE (1) CURTAIN WALL.



PLAN VIEW
3:1 FORESLOPES

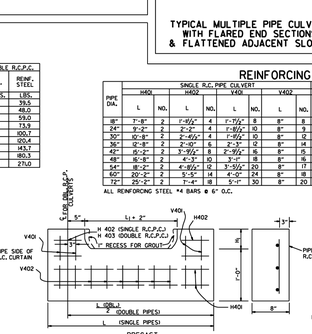
NOTE: THE CONFIGURATION OF CURTAIN WALL VARY WITH FORESLOPE VARIATIONS.

PLAN VIEW
FLATTENED FORESLOPES



CAST-IN-PLACE

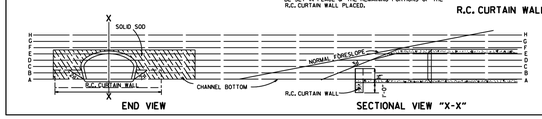
NOTE: THE PORTION OF THE R.C. CURTAIN WALL BENEATH THE FLARED END SECTION (LOWER 1'-0") SHALL BE PLACED MONOLITHICALLY. THE FLARED END SECTION SHALL THEN BE SET IN PLACE & THE REMAINING PORTIONS OF THE R.C. CURTAIN WALL PLACED.



PRECAST

NOTE: THE PRECAST CURTAIN WALL WILL BE SET AND BACKFILLED WITH COMPACTED MATERIAL. THE FLARED END SECTION SHALL THEN BE SET IN PLACE AND THE 1" RECESS FILLED WITH GROUT. WHERE "L" EXCEEDS 9' THE CURTAIN WALL MAY BE CAST IN TWO (2) OR MORE SECTIONS. THE METHOD OF JOINING THE SECTIONS FOR INSTALLATION SHALL BE APPROVED BY THE ENGINEER.

R.C. CURTAIN WALL DETAILS



END VIEW

SECTIONAL VIEW "X-X"

REINFORCING STEEL SCHEDULE

PIPE DIA.	SINGLE R.C. PIPE CULVERT H40I L	H40I NO.	H40I L	NO.	V40I L	NO.	V40I L	NO.	DOUBLE R.C. PIPE CULVERT H40I L	H40I NO.	H40I L	NO.	V40I L	NO.	V40I L	NO.
18"	7'-8"	2	1'-9½"	4	1'-7½"	8	8"	8	12'-2"	2	1'-9½"	4	8"	2	1'-7½"	10	8"	14
24"	9'-2"	2	2'-2"	4	1'-8½"	10	8"	9	14'-8"	2	2'-2"	4	8"	2	1'-8½"	12	8"	18
30"	10'-8"	2	2'-6½"	4	1'-9½"	10	8"	12	17'-3"	2	2'-6½"	4	8"	2	1'-9½"	14	8"	22
36"	12'-8"	2	2'-10"	6	2'-3"	12	8"	14	20'-8"	2	2'-10"	6	8"	3	2'-3"	14	8"	28
42"	15'-2"	2	3'-3½"	8	2'-9½"	16	8"	15	23'-11"	2	3'-3½"	8	8"	4	2'-9½"	18	8"	30
48"	16'-8"	2	4'-3"	10	3'-1"	18	8"	16	25'-8"	2	4'-3"	10	8"	5	3'-1"	20	8"	32
54"	18'-2"	2	4'-8½"	12	3'-5½"	20	8"	17	27'-8"	2	4'-9"	12	8"	6	3'-5½"	22	8"	34
60"	20'-2"	2	5'-5"	14	4'-0"	24	8"	18	30'-8"	2	5'-5"	14	8"	7	4'-0"	26	8"	36
72"	25'-2"	2	7'-1"	18	5'-1"	30	8"	20	36'-8"	2	7'-1"	18	8"	9	5'-1"	33	8"	40

ALL REINFORCING STEEL #4 BARS @ 6" O.C.

SOLID SODDING

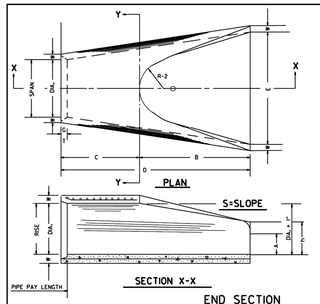
PIPE DIA.	SINGLE R.C.P.C. 3d CU. YDS.	SINGLE R.C.P.C. 4d CU. YDS.	SINGLE R.C.P.C. 6d CU. YDS.	DOUBLE R.C.P.C. 3d CU. YDS.	DOUBLE R.C.P.C. 4d CU. YDS.	DOUBLE R.C.P.C. 6d CU. YDS.
18"	6	10	12	6	10	13
24"	7	12	15	8	12	16
30"	10	16	21	11	17	23
36"	13	21	27	14	22	29
42"	16	26	33	17	27	35
48"	19	30	39	20	31	41
54"	22	35	45	23	36	47
60"	25	40	51	26	41	53
72"	31	50	63	32	51	65

NOTE: QUANTITIES SHOWN ABOVE ARE FOR ONE (1) END OF F.E.S.

GENERAL NOTES

1. A CAST-IN-PLACE OR PRECAST CURTAIN WALL MAY BE USED. PAYMENT FOR THE CURTAIN WALL SHALL BE CONSIDERED AS INCLUDED IN THE UNIT PRICE BID FOR EACH FLARED END SECTIONS OF THE SEVERAL SIZES, WHICH PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INCLUDING REINFORCING STEEL AND CONCRETE; FOR FORMS; MIXING AND PLACING; FOR EXCAVATION AND BACKFILL; AND FOR ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.
2. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾".
3. CONCRETE FOR CURTAIN WALL SHALL MEET THE REQUIREMENTS FOR CLASS A OR S CONCRETE AS PROVIDED IN SECTION 802 OF THE STANDARD SPECIFICATIONS OR FOR PAVING CONCRETE AS PROVIDED IN SECTION 501 OF THE STANDARD SPECIFICATIONS.
4. WELDED WIRE MESH 3 x 3 W.10 x W.10 MAY BE USED IN LIEU OF REINFORCING BARS.

10-18-96	REVISED NOTE TO SOLID SODDING		ARKANSAS STATE HIGHWAY COMMISSION
5-18-00	REVISED DETAILS		
6-20-07	ADDED CURTAIN WALL NOTE 4		FLARED END SECTION
8-20-13	ADDED 3:1 FORESLOPE, STEEL SOD & SOLID SOD QUANT.		
9-12-14	ALLOW PRECAST R.C. CURTAIN WALL OPTION & ADD MORE THICK CHAMFER EDGES		
5-26-16	REVISED PRECAST WALL & GENERAL NOTES		STANDARD DRAWING FES-1
DATE	REVISION	FILMED	



END SECTION
FOR REINFORCED CONCRETE PIPE CULVERTS

NOTE: TONGUE END ON UPSTREAM SECTION
GROOVE END ON DOWNSTREAM SECTION

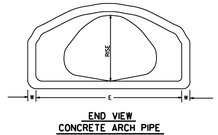
TABLE OF DIMENSIONS

DIA.	WALL	A	B	C	D	E	S	DIA. r	P	R-1	R-2	G-T	WT.	H
18"	2½"	5"	2'-3"	3'-10"	6'-1"	1'-0"	3d	19"	29"	6½"	12"	2"	1000	1'-0½"
24"	3"	9½"	1'-7½"	2'-8"	6'-7½"	4'-0"	3d	25"	33⅝"	8⅜"	14"	2½"	1600	1'-7½"
30"	3½"	1'-0"	4'-6"	1'-3½"	6'-10½"	5'-0"	3d	31"	39"	10½"	15"	3½"	1940	1'-6⅝"
36"	4"	1'-3"	5'-3"	9"-10⅞"	6'-8-3/8"	6'-0"	3d	37"	47⅛"	2'4⅝"	20"	3½"	4100	1'-8"
42"	4½"	1'-9"	5'-3"	2'-2"	8'-2"	6'-0"	3d	43"	53⅛"	2'7½"	20"	3½"	5380	2'-2½"
48"	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	3d	49"	59⅞"	2'8½"	23"	3½"	6550	2'-6"
54"	5½"	2'-4"	6'-6"	2'-0"	8'-2"	8'-0"	3d	55"	65⅞"	3'0½"	23"	4"	8750	2'-9½"
60"	6"	2'-10"	6'-6"	1'-10"	8'-4"	8'-0"	3d	61"	72⅛"	3'6⅜"	24"	4"	9270	3'-1"
72"	7"	3'-0"	6'-6"	1'-10"	8'-4"	9'-0"	3d	73"	117⅝"	5'8⅝"	24"	5"	13250	4'-6"

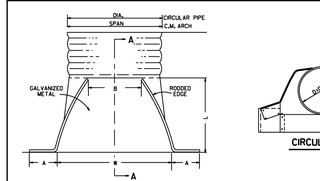
ARCH PIPE

EQUIV. DIA. (AASHTO M 206 / NOMINAL)	SPAN (AASHTO M 206 / NOMINAL)	RISE (AASHTO M 206 / NOMINAL)	W	A	B	C	D	E	P	R2	G-T	S
INCHES												
15	18	11	8	2"	4"	2'-0"	4'-0"	6'-0"	3'-0"	29"	12"	1½"	2¼#
18	22	13½	14	2½"	5"	2'-0"	4'-0"	6'-0"	3'-6"	33⅞"	13"	2½"	2¼#
24	29	18	18	3"	6"	2'-3"	4'-3"	6'-3"	4'-6"	44⅛"	14"	2½"	2¼#
30	36	22	23	3½"	7"	2'-3"	4'-3"	6'-3"	5'-6"	54⅜"	15"	2½"	2¼#
36	43½	26½	27	4"	8"	2'-3"	4'-3"	6'-3"	6'-6"	64⅝"	20"	3"	2¼#
42	50	30	32	4½"	9"	2'-3"	4'-3"	6'-3"	7'-6"	74⅞"	20"	3"	2¼#
48	58½	34½	36	5"	10"	2'-3"	4'-3"	6'-3"	8'-6"	85⅛"	20"	3"	2¼#
54	65	38	40	5½"	11"	2'-3"	4'-3"	6'-3"	9'-6"	95⅜"	24"	4½"	2¼#
60	73	43	45	6"	12"	2'-0"	3'-6"	5'-6"	10'-6"	105⅝"	24"	5"	2¼#

* THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PER CENT FROM THE VALUES SPECIFIED BY AASHTO M 206.



END VIEW
CONCRETE ARCH PIPE



NOTE: ALTERNATE CONNECTIONS TO THE PIPE CULVERTS, IN ACCORDANCE WITH MANUFACTURER'S STANDARD PRACTICES, MAY BE MADE SUBJECT TO THE APPROVAL OF THE ENGINEER.

CIRCULAR PIPE

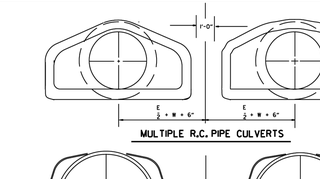
DIA.	GAUGE	A ± ½	B MAX.	H r ± ½	H 1½ ± ½	W 2" ±	S	GAUGE
	INCHES							
12	16	6	6	8	7	24	2½#	16
15	16	6	6	8	7	30	2½#	16
18	16	8	10	6	9	36	2½#	16
24	16	10	13	6	9	42	2½#	16
30	14	10	13	6	9	48	2½#	14
36	14	14	18	5	9	60	2½#	14
42	12	14	18	5	9	66	2½#	12
48	12	18	23	0	11	72	2½#	12
54	12	18	23	0	11	78	2½#	12
60	12	18	23	0	11	84	2½#	12
72	12	18	23	0	11	96	2½#	12

CIRCULAR PIPE

C.M. ARCH PIPE

EQUIV. DIA.	SPAN	RISE	A ± ½	B MAX.	H r ± ½	H 1½ ± ½	W 2" ±	S	GAUGE
	INCHES								
15"	17	13	7	9	6	8	30	2½#	16
18"	21	15	7	10	6	9	36	2½#	16
24"	24	18	8	12	6	10	42	2½#	16
30"	28	23	10	14	5	10	48	2½#	14
36"	35	28	12	18	5	10	60	2½#	14
42"	42	34	13	18	5	10	66	2½#	12
48"	49	38	13	23	0	12	72	2½#	12
54"	57	38	18	23	0	12	78	2½#	12
60"	64	43	18	23	0	12	84	2½#	12
72"	71	47	18	23	0	12	96	2½#	12

C.M. ARCH PIPE



10-18-96	REVISED ASTM REF. TO AASHTO		ARKANSAS STATE HIGHWAY COMMISSION
5-18-00	REVISED DISTANCE BETWEEN MULTIPLE R.C.P.C.P.E.S.	664-5-8-00	
7-18-18	C.M. ARCH SIZES TO CONFORM WITH AASHTO SIZES	752-7-14-18	
8-22-75	ADDED MULTIPLE PIPE CULVERTS	97-8-22-75	FLARED END SECTION
9-22-72	REMOVED NOTE RE RISE / DIA. OF C.M.P.E.S.	500-9-22-72	
5-24-73	CMP END SECTION, SHOW PIPE PAY LENGTH	627-5-24-73	
9-2-72	REVISED AND REDRAWN	TNS-9-2-72	STANDARD DRAWING FES-2
DATE	REVISION	FILMED	

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

ITS
7/8/2026 4:00 PM
HANDOVAY, JASON 170059 (KAH)
K:\LRK_Civil\063487901 - MOUNTAIN HOME INDUSTRIAL CROW WY\14_DESIGN\CAD\PLANSHEETS
STORM DETAILS.DWG (STORM DETAILS (1 OF 4))

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT BEDDING MATERIAL UNDER THE MIDDLE THIRD OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 606.04(B)(9).

NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.

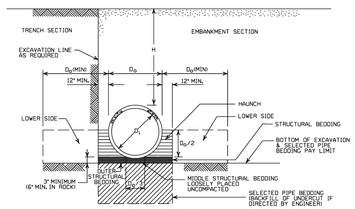
- LEGEND -

D_o = NORMAL INSIDE DIAMETER OF PIPE
D_o = OUTSIDE DIAMETER OF PIPE
H = FILL COVER HEIGHT OVER PIPE (FEET)
MIN. = MINIMUM
= UNDISTURBED SOIL

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL*
TYPE 3 **	AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL

* SM-3 WILL NOT BE ALLOWED.

** MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.



EMBANKMENT AND TRENCH INSTALLATIONS

1. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. FOR TRENCHES WITH WALLS OF NATURAL SOIL, THE DENSITY OF THE SOIL IN THE LOWER SIDE ZONE SHALL BE AS FIRM AS THE 95% DENSITY REQUIRED FOR THE HAUNCH. IF THE EXISTING SOIL DOES NOT MEET THIS CRITERIA, IT SHALL BE REMOVED AND RECOMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OF MATERIAL USED.
3. FOR EMBANKMENTS, THE MATERIAL IN THE LOWER SIDE ZONE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

GENERAL NOTES

1. CONCRETE PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION) WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONCRETE PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. ALL PIPE SHALL CONFORM TO SECTION 606 CIRCULAR R.C. PIPE CULVERTS SHALL CONFORM TO AASHTO M170, R.C. ARCH PIPE CULVERTS SHALL CONFORM TO AASHTO M206 AND HORIZONTAL ELLIPTICAL PIPE CULVERTS SHALL CONFORM TO AASHTO M207.
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD.DWG.FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. NOT MORE THAN ONE LIFTING HOLE MAY BE PROVIDED IN CONCRETE PIPE TO FACILITATE HANDLING. HOLE MAY BE CAST IN PLACE, CUT INTO THE FRESH CONCRETE AFTER FORMS ARE REMOVED, OR DRILLED. THE HOLE SHALL NOT BE MORE THAN TWO INCHES IN DIAMETER OR TWO INCHES SQUARE. CUTTING OR DISPLACEMENT OF REINFORCEMENT WILL NOT BE PERMITTED. SPALLED AREAS AROUND THE HOLE SHALL BE REPAIRED IN A WORKMANLIKE MANNER. LIFTING HOLE SHALL BE FILLED WITH MORTAR, CONCRETE, OR OTHER METHOD AS APPROVED BY THE ENGINEER.
9. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
10. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE ABOVE THE AREA IDENTIFIED ABOVE AS THE HAUNCH, BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

REINFORCED CONCRETE ARCH PIPE DIMENSIONS

EQUIV. DIA.	SPAN AASHTO M 206 / ARDOT NOMINAL	RISE AASHTO M 206 / ARDOT NOMINAL
INCHES	INCHES	
15	18 / 22	11 / 14
18	22 / 26	13½ / 16
21	26½ / 29	15½ / 18
24	29½ / 29	18 / 18
30	36½ / 36	22½ / 23
36	43⅝ / 44	26⅝ / 27
42	51⅛ / 51	31⅛ / 32
48	58½ / 59	36 / 36
54	65 / 65	40 / 40
60	73 / 73	45 / 45
72	88 / 88	54 / 54
84	102 / 102	62 / 62
90	115 / 115	72 / 72
96	122 / 122	77½ / 77
108	138 / 138	87⅝ / 87
120	154 / 154	96⅞ / 97
132	168⅝ / 169	106½ / 107

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

EQUIV. DIA.	AASHTO M 207 SPAN	RISE
INCHES	INCHES	
18	23	14
24	30	19
27	34	22
30	38	24
33	42	27
36	45	29
39	49	32
42	53	34
48	60	38
54	68	43
60	76	48
66	83	53
72	91	58
78	98	63
84	106	68

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE: CLASS III, TYPE 1 OR 2	CLASS III, TYPE 3	CLASS IV, ALL	CLASS V, ALL
PIPE ID (IN.)	FEET			
12-15	2	2.5	2	1
18-24	2.5	3	2	1
27-33	3	4	2	1
36-42	3.5	5	2	1
48	4.5	5.5	2	1
54-60	5	7	2	1
66-78	6	8	2	1
84-108	7.5	8	2	1

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE: CLASS III	CLASS IV
	FEET	
TYPE 2 OR TYPE 3	2.5	1.5

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE: CLASS III	CLASS IV	CLASS V
	FEET		
TYPE 1	21	32	50
TYPE 2	16	25	39
TYPE 3	12	20	30

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE: CLASS III	CLASS IV
	FEET	
TYPE 2	13	21
TYPE 3	10	16

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

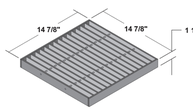
2-27-14	REVISED GENERAL NOTE 1.		ARKANSAS STATE HIGHWAY COMMISSION
12-15-11	REVISED FOR LRFD DESIGN SPECIFICATIONS		
5-18-00	REVISED TYPE 3 BEDDING & ADDED NOTE		CONCRETE PIPE CULVERT
3-30-00	REVISED INSTALLATIONS		FILL HEIGHTS & BEDDING
8-06-97	ISSUED		
DATE	REVISION	DATE FILMED	STANDARD DRAWING PCC-1

1212 CAST IRON GRATE

PARKWAY ONLY 28 lbs.

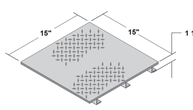
1212 STEEL GRATES

PARKWAY 16 lbs.
TRAFFIC 16 lbs.

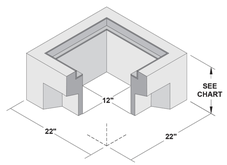


1212 STEEL COVER

PARKWAY 22 lbs.
TRAFFIC 25 lbs.



1212 TOP SECTION (*WITH GALVANIZED FRAME*)



1212 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

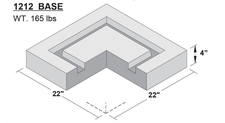
TOP SECTION	HT.	LBS.	KNOCK-OUT
1212 T6	6"	170	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

EXTENSION SECTION	HT.	LBS.	KNOCK-OUT
1212 E6	6"	170	NONE

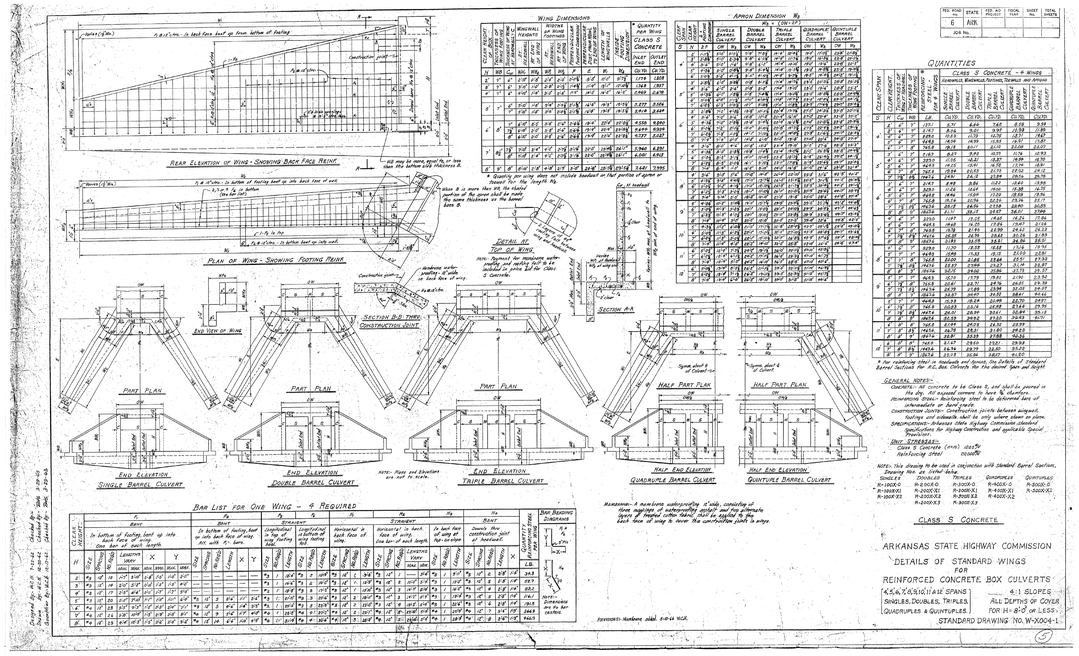
LOWER SECTION	HT.	LBS.	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

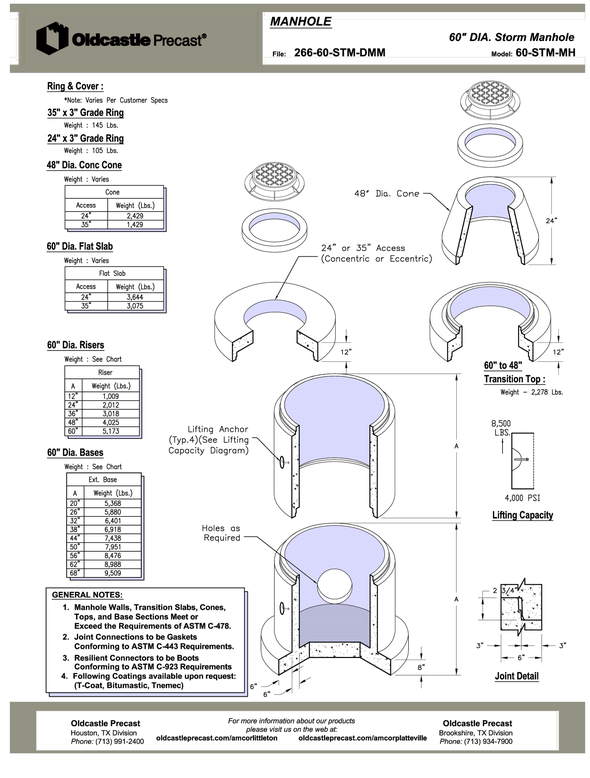
1212 BASE

WT. 165 lbs



12"





ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500 psi.

REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS

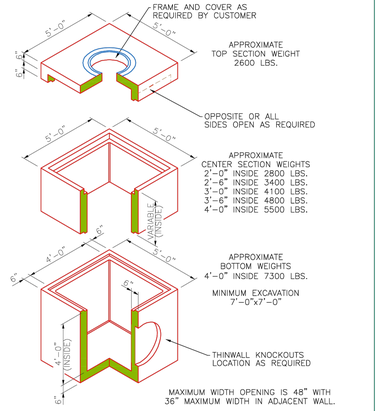
WATER TABLE IS AT 3'-0" BELOW GRADE FOR STANDARD STRUCTURAL DESIGN

THE STANDARD DESIGN IS BASED ON THE TOP AT GRADE AND THE BASE AT 8'-0" MAX. BELOW GRADE.

THE STRUCTURE SHALL BE PLACED ON A COMPACTED GRANULAR BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.

SPECIAL DESIGNS BASED ON OTHER LOADINGS OR DEEPER INSTALLATION DEPTHS ARE AVAILABLE ON REQUEST.

KNOCKOUTS OR PIPE OPENINGS OR CAN BE PROVIDED IN THE SIZE AND LOCATIONS REQUIRED.



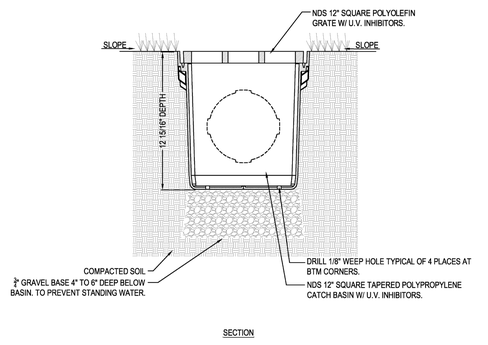
Oldcastle Precast
1900 Rilling Road San Antonio, TX 78214
Phone: (210) 923-4523 Fax: (210) 921-0473

Y44-INL6	4'-0"x4'-0" -Y- INLET WITH 6" THROAT OPENING
FILE NAME: 44Y16.dwg	
ISSUE DATE: March, 2005	
www.oldcastlesanantonio.com	

Copyright 2005 Oldcastle Precast All Rights Reserved

NDS® We put water in its place

DRAINAGE SOLUTIONS, INC
(317) 346-4110
www.drainagesolutionsinc.com



SECTION

NOTES:
1. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.
2. RISER CAN BE CUT TO ACHIEVE EXACT ELEVATION.
3. DO NOT USE OVER 5 RISERS WITH CATCH BASIN.
4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
5. DO NOT SCALE DRAWING.
6. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
7. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

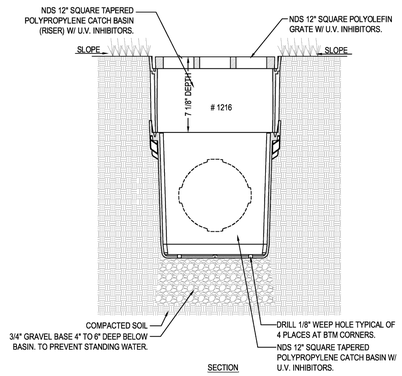
SQUARE CATCH BASIN
12" SQUARE CATCH BASIN - TYPICAL INSTALLATION FOR LANDSCAPE APPLICATIONS

NDS S5 KEY COMPONENT

REVISION DATE 8-24-2015

NDS® We put water in its place

DRAINAGE SOLUTIONS, INC
(317) 346-4110
www.drainagesolutionsinc.com



SECTION

NOTES:
1. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.
2. RISER CAN BE CUT TO ACHIEVE EXACT ELEVATION.
3. DO NOT USE OVER 5 RISERS WITH CATCH BASIN.
4. EXISTING SOILS SHOULD BE EVALUATED TO ENSURE PROPER STRUCTURAL AND PERMEABILITY PROPERTIES.
5. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6. DO NOT SCALE DRAWING.
7. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
8. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

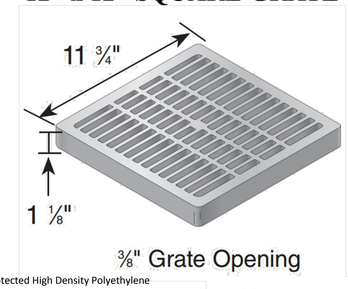
SQUARE CATCH BASIN
12" SQUARE CATCH BASIN WITH RISER INSTALLATION FOR LANDSCAPE APPLICATIONS 1

NDS S5 KEY COMPONENT

REVISION DATE 8-24-2015

NDS™ WE PUT WATER IN ITS PLACE — TECHNICAL SPECIFICATIONS

12" x 12" SQUARE GRATE



3/8" Grate Opening

Material: UV Protected High Density Polyethylene (HDPE)
Weight: 2.33 lbs
Colors: Gray (1210), Black (1211), Green (1212), Sand (12125)
Fits: Use with 12" catch basin series
Grate Openings: 50.76 in^2 open space
Will accommodate: 155.28 gallons per minute with 1/2" of head.

Made in USA.

Load Recommendation Guide

Class B
- Loads of 61-175 psi.
- Recommended for medium-duty pneumatic tire traffic, autos and light trucks at speeds less than 20 m.p.h.

Note: Some installations may require a concrete collar to meet load rating. Loads are based on encasing product in concrete. Product must be installed using NDS instructions.

ADA Compliance

NDS provides a wide selection of grates that are compliant with the Americans with Disabilities Act. The ADA Accessibility Guidelines For Buildings and Facilities Section 4.5.4 specifies that ground and floor grates "shall have spaces no greater than 1/2 in (13 mm) wide in one direction."

We are pleased to provide grates that comply with these requirements, so that no individual need be limited from accessing the area safely and confidently.

To see if a grate is ADA compliant, please check the description of the product in our NDS Drainage Catalog; products that meet these requirements are marked "ADA compliant."

Like to find out more about ADA compliance and NDS? Send us your question and we'll be happy to help.

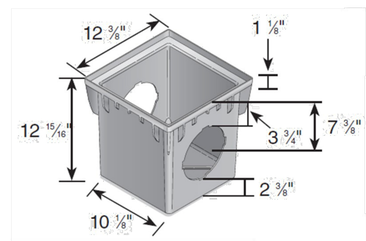
851 N. Harvard Avenue
Lindsay, CA 93247
800-726-1994

Visit ndspro.com for specs, detail drawings, and case studies

NDS™ WE PUT WATER IN ITS PLACE

NDS™ WE PUT WATER IN ITS PLACE — TECHNICAL SPECIFICATIONS

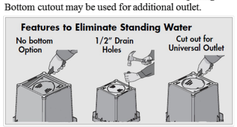
12" x 12" CATCH BASIN



1200BLKIT- Catch basin with 2 openings
1200- Catch basin with two openings
1203- Catch basin with 3 openings
1204- Catch basin with 4 openings

Material: Polypropylene
Colors: Black (1200BLKIT, 1200, 1203,1204)
Fits: Requires either part # 1206, #1242, # 1243, #1245, #1266, or # 1889 Universal Outlet for each opening.
Bottom cutout may be used for additional outlet.

Features to Eliminate Standing Water



DRAINAGE SOLUTIONS, INC
(317) 346-4110
www.drainagesolutionsinc.com

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STORM DETAILS (4 OF 4)

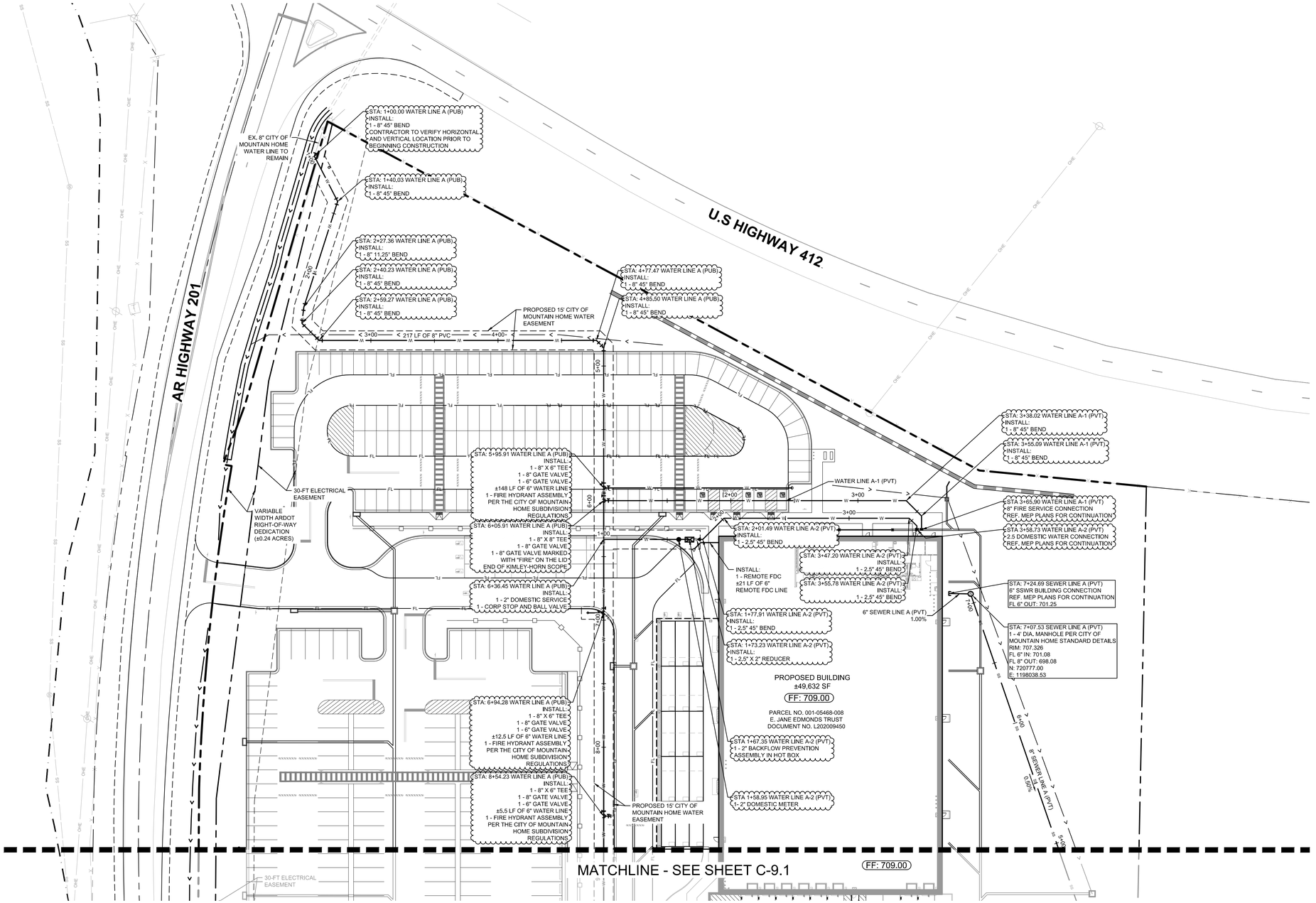
SHEET NUMBER
C-8.10

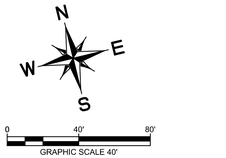
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

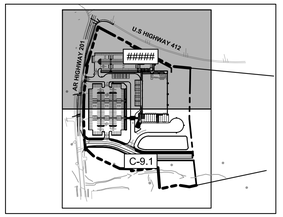
IMAGES
ITE:
7/9/2026 4:50 PM
LAST SAVED
HARDAWAY, KYSON (TX-ROGERS)
PLOTTED BY
K:\ROG\064587901-MOUNTAIN HOME CROW WY\14_DESIGN\CAD\PLANSHEETS
DWG NAME
STORM DETAILS.DWG [STORM DETAILS (4 OF 4)]

IMAGES
ITB: xDis, xArmap, xVP, xExisting, xProopMain, xSurv, xUtil, xBnd, xEsmt, xPlanng, xROW
LAST SAVED
7/8/2026 8:48 AM
PLOTTED BY
HARDWAY, PERSON
PLOT DATE
7/8/2026 8:48 AM
DWG NAME
T:\Projects\064587901\Design\Civil\Sheets\MOUNTAIN HOME INDUSTRIAL - ARROW WY\14_DESIGN\CAD\PLANSHEETS\UTILITY PLAN.DWG
UTILITY PLAN (1 OF 2)

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.







KEYMAP
NTS

LEGEND

- PROPERTY LINE
- W — PROPOSED WATER LINE
- FW — PROPOSED FIRE WATER LINE
- SS — PROPOSED SANITARY SEWER LINE
- UGE — PROPOSED UNDERGROUND ELECTRIC LINE
- COM — PROPOSED UNDERGROUND COMMUNICATION LINE
- PROPOSED STORM
- W — EXISTING WATER LINE
- SS — EXISTING SANITARY SEWER LINE
- EXISTING STORM
- PROPOSED FIRE HYDRANT
- PROPOSED FDC
- PROP. SANITARY SEWER MANHOLE
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- PROPOSED STORM MANHOLE
- PROPOSED WYE INLET
- PROPOSED LANDSCAPE DRAIN
- EX. SANITARY SEWER MANHOLE

NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE TO CENTERLINE OF PIPE UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF FIELD CONDITIONS VARY.
4. REFERENCE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY TIE-IN LOCATIONS AT BUILDINGS.
5. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
6. UTILITY CONNECTIONS TERMINATE 5' FROM BUILDING ENVELOPE. SEE ARCHITECT AND MEP PLANS FOR CONTINUATION.
7. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR.
8. ALL PUBLIC WATER AND SEWER WORK WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MOUNTAINHOME UTILITY STANDARD SPECIFICATIONS.
9. ALL FITTINGS SHALL BE DUCTILE IRON OR CAST IRON CONFORMING TO AWWA C-110, OF DOMESTIC MANUFACTURE, AND SHALL BE MECHANICALLY RESTRAINED.
10. ALL VALVES SHALL BE IRON-BODY, BRONZE-MOUNTED, NON-RISING STEM GATE VALVES CONFORMING TO AWWA C500 OR RESILIENT SEATED GATE VALVES CONFORMING TO AWWA C509 OF THE LATEST DATE OF ISSUE.
11. ALL PVC FITTINGS SHALL BE PUSH-ON JOINTS WITH JOINT BELLS FORMED INTEGRALLY WITH PIPE. JOINTS AND GASKETS SHALL CONFIRM TO ASTM D3119 AND F477. SOLVENT WELD JOINTS SHALL NOT BE USED. THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, BENDS, PLUGS, VALVES, AND FIRE HYDRANTS.
12. ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE ASTM D3034 SDR-26 PVC PIPE AND FITTINGS BE TYPE 1, GRADE 1.
13. ALL WATER PIPE SHALL BE AWWA C900 DR-18 CLASS 235 PVC 1120 PIPE.
14. THE CONTRACTOR SHALL COORDINATE CONTINUOUSLY AND AS NECESSARY WITH PROPERTY/BUSINESS OWNERS TO MAINTAIN CONTINUATION OF TRAFFIC CONTROL AND ACCESS.
15. CONTRACTOR TO COORDINATE BRACING OF OVERHEAD ELECTRIC POLES WITH NAEC DURING CONSTRUCTION AND PROVIDE TEMPORARY BRACING AS NEEDED
16. THE OPERATING ROUTINE SHALL INCLUDE NECESSARY PROTECTIVE MEASURES TO DETECT AND REMOVE OR DESTROY ANY CONTAMINANT OF CONCERN OR REGULATION THAT MIGHT ENTER THE DISTRIBUTION SYSTEM. EVERY PRECAUTION MUST BE TAKEN AGAINST THE POSSIBILITY OF SEWAGE CONTAMINATION OF THE WATER IN THE DISTRIBUTION SYSTEM. PUBLIC WATER MAINS AND PUBLIC SANITARY SEWERS SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE, AND SHALL BE SEPARATED BY UNDISTURBED AND COMPACTED EARTH, A MINIMUM HORIZONTAL DISTANCE OF TEN FEET SHOULD BE MAINTAINED BETWEEN PUBLIC WATER LINES AND PUBLIC SEWER LINES OR OTHER SOURCES OF CONTAMINATION. PUBLIC WATER LINES AND PUBLIC SEWERS SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT ON THE WRITTEN APPROVAL OF THE ARKANSAS DEPARTMENT OF HEALTH, PUBLIC WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE PUBLIC SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE PUBLIC WATER LINE OR THE PUBLIC SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING, ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A PUBLIC WATER LINE MUST UNAVOIDABLY PASS BENEATH THE PUBLIC SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH A MINIMUM HORIZONTAL DISTANCE OF THREE FEET SHALL BE MAINTAINED BETWEEN PUBLIC WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NONSANITARY NATURE (GAS, ELECTRIC, ETC.), EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH,
17. LOW PERMEABILITY CLAY OR FLOWABLE FILL DAMS/PLUGS TO BE PROVIDED AT ALL LOCATIONS WHERE UTILITY TRENCHES PENETRATE BENEATH THE BUILDING. THE EFFECTIVE TRENCH PLUGS SHALL EXTEND AT LEAST 5 FEET FROM THE FACE OF THE BUILDING EXTERIOR. WATER CONTENT AND COMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST GEOTECHNICAL REPORT.

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

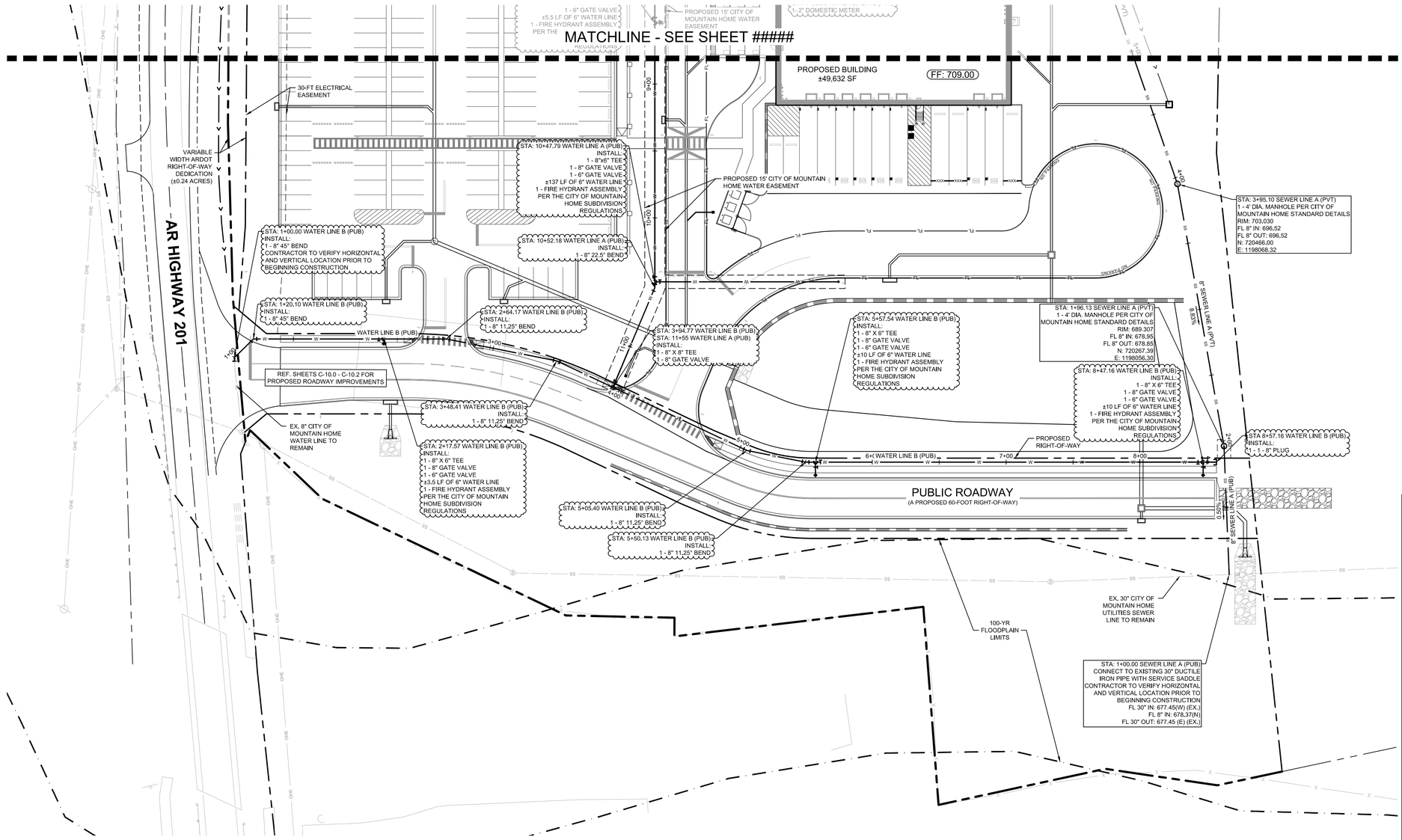
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

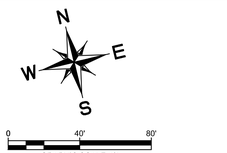
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

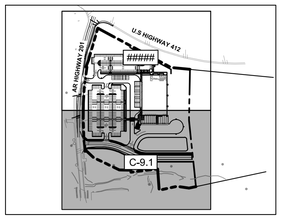
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

UTILITY PLAN (1 OF 2)

SHEET NUMBER
C-9.0







KEYMAP

NTS

LEGEND

- PROPERTY LINE
- W — PROPOSED WATER LINE
- FW — PROPOSED FIRE WATER LINE
- SS — PROPOSED SANITARY SEWER LINE
- UGE — PROPOSED UNDERGROUND ELECTRIC LINE
- COM — PROPOSED UNDERGROUND COMMUNICATION LINE
- PROPOSED STORM
- W — EXISTING WATER LINE
- SS — EXISTING SANITARY SEWER LINE
- EXISTING STORM
- PROPOSED FIRE HYDRANT
- PROPOSED FDC
- PROP. SANITARY SEWER MANHOLE
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- PROPOSED STORM MANHOLE
- PROPOSED WYE INLET
- PROPOSED LANDSCAPE DRAIN
- EX. SANITARY SEWER MANHOLE

NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE TO CENTERLINE OF PIPE UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF FIELD CONDITIONS VARY.
4. REFERENCE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY TIE-IN LOCATIONS AT BUILDINGS.
5. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
6. UTILITY CONNECTIONS TERMINATE 5' FROM BUILDING ENVELOPE. SEE ARCHITECT AND MEP PLANS FOR CONTINUATION.
7. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR.
8. ALL PUBLIC WATER AND SEWER WORK WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MOUNTAINHOME UTILITY STANDARD SPECIFICIATIONS.
9. ALL FITTINGS SHALL BE DUCTILE IRON OR CAST IRON CONFORMING TO AWWA C-110, OF DOMESTIC MANUFACTURE, AND SHALL BE MECHANICALLY RESTRAINED.
10. ALL VALVES SHALL BE IRON-BODY, BRONZE-MOUNTED, NON-RISING STEM GATE VALVES CONFORMING TO AWWA C500 OR RESILIENT SEATED GATE VALVES CONFORMING TO AWWA C509 OF THE LATEST DATE OF ISSUE.
11. ALL PVC FITTINGS SHALL BE PUSH-ON JOINTS WITH JOINT BELLS FORMED INTEGRALLY WITH PIPE. JOINTS AND GASKETS SHALL CONFIRM TO ASTM D3119 AND F477. SOLVENT WELD JOINTS SHALL NOT BE USED. THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, BENDS, PLUGS, VALVES, AND FIRE HYDRANTS.
12. ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE ASTM D3034 SDR-26 PVC PIPE AND FITTINGS BE TYPE 1, GRADE 1.
13. ALL WATER PIPE SHALL BE AWWA C900 DR-18 CLASS 235 PVC 1120 PIPE.
14. THE CONTRACTOR SHALL COORDINATE CONTINUOUSLY AND AS NECESSARY WITH PROPERTY/BUSINESS OWNERS TO MAINTAIN CONTINUATION OF TRAFFIC CONTROL AND ACCESS.
15. CONTRACTOR TO COORDINATE BRACING OF OVERHEAD ELECTRIC POLES WITH NAEC DURING CONSTRUCTION AND PROVIDE TEMPORARY BRACING AS NEEDED
16. THE OPERATING ROUTINE SHALL INCLUDE NECESSARY PROTECTIVE MEASURES TO DETECT AND REMOVE OR DESTROY ANY CONTAMINANT OF CONCERN OR REGULATION THAT MIGHT ENTER THE DISTRIBUTION SYSTEM. EVERY PRECAUTION MUST BE TAKEN AGAINST THE POSSIBILITY OF SEWAGE CONTAMINATION OF THE WATER IN THE DISTRIBUTION SYSTEM. PUBLIC WATER MAINS AND PUBLIC SANITARY SEWERS SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE, AND SHALL BE SEPARATED BY UNDISTURBED AND COMPACTED EARTH, A MINIMUM HORIZONTAL DISTANCE OF TEN FEET SHOULD BE MAINTAINED BETWEEN PUBLIC WATER LINES AND PUBLIC SEWER LINES OR OTHER SOURCES OF CONTAMINATION. PUBLIC WATER LINES AND PUBLIC SEWERS SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT ON THE WRITTEN APPROVAL OF THE ARKANSAS DEPARTMENT OF HEALTH, PUBLIC WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE PUBLIC SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE PUBLIC WATER LINE OR THE PUBLIC SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING, ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A PUBLIC WATER LINE MUST UNAVOIDABLY PASS BENEATH THE PUBLIC SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH A MINIMUM HORIZONTAL DISTANCE OF THREE FEET SHALL BE MAINTAINED BETWEEN PUBLIC WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NONSANITARY NATURE (GAS, ELECTRIC, ETC.), EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH,
17. LOW PERMEABILITY CLAY OR FLOWABLE FILL DAMS/PLUGS TO BE PROVIDED AT ALL LOCATIONS WHERE UTILITY TRENCHES PENETRATE BENEATH THE BUILDING. THE EFFECTIVE TRENCH PLUGS SHALL EXTEND AT LEAST 5 FEET FROM THE FACE OF THE BUILDING EXTERIOR. WATER CONTENT AND COMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST GEOTECHNICAL REPORT.

811 Know what's below. Call before you dig.

CAUTION!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

UTILITY PLAN (2 OF 2)

SHEET NUMBER
C-9.1

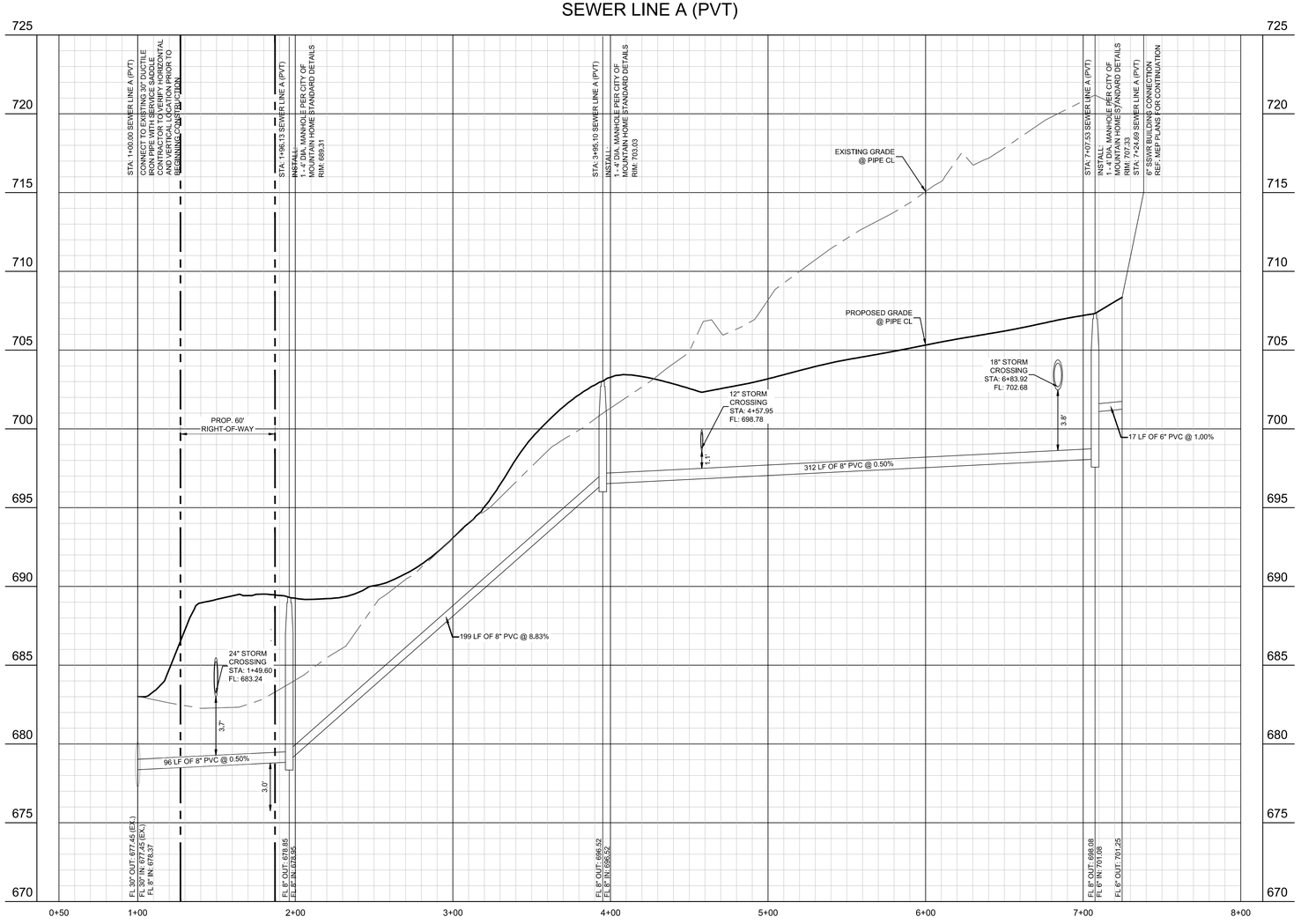
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
ITB ,-Dtb, -Xfp, -Xdymap , -XVP , -XExisting , -XProjsplan , -Xsurv , -Xdtl , -Xstm , -XEsmt , -XPaving , -XROW
LAST SAVED 7/9/2026 4:58 PM
PLOTTED BY HARDWAY, PERSON (TROOP) XAE254
PLOT DATE 7/10/2026 8:39 AM C:\USERS\PERSON\DESKTOP\ARROW WYLH_DESIGN\CAD\PLANSHEETS
DWG NAME UTILITY PLAN.DWG [UTILITY PLAN (2 OF 2)]

PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

SEWER LINE A (PVT)



This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

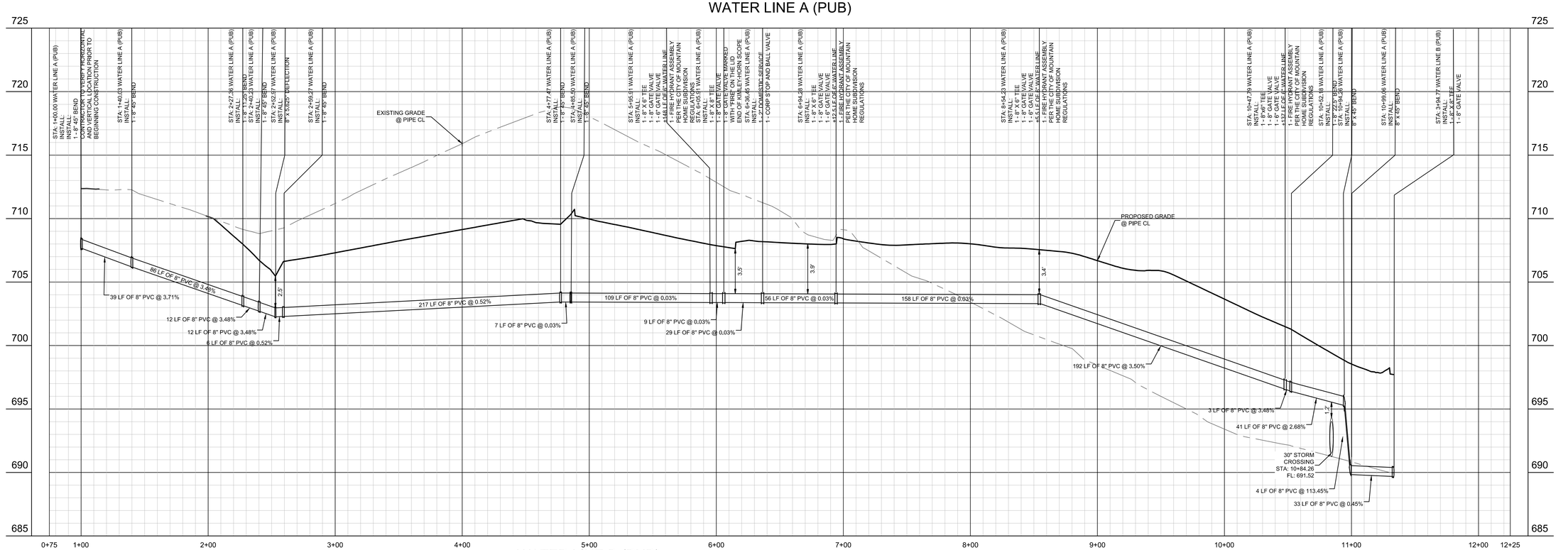
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21244 Date 07/10/2026

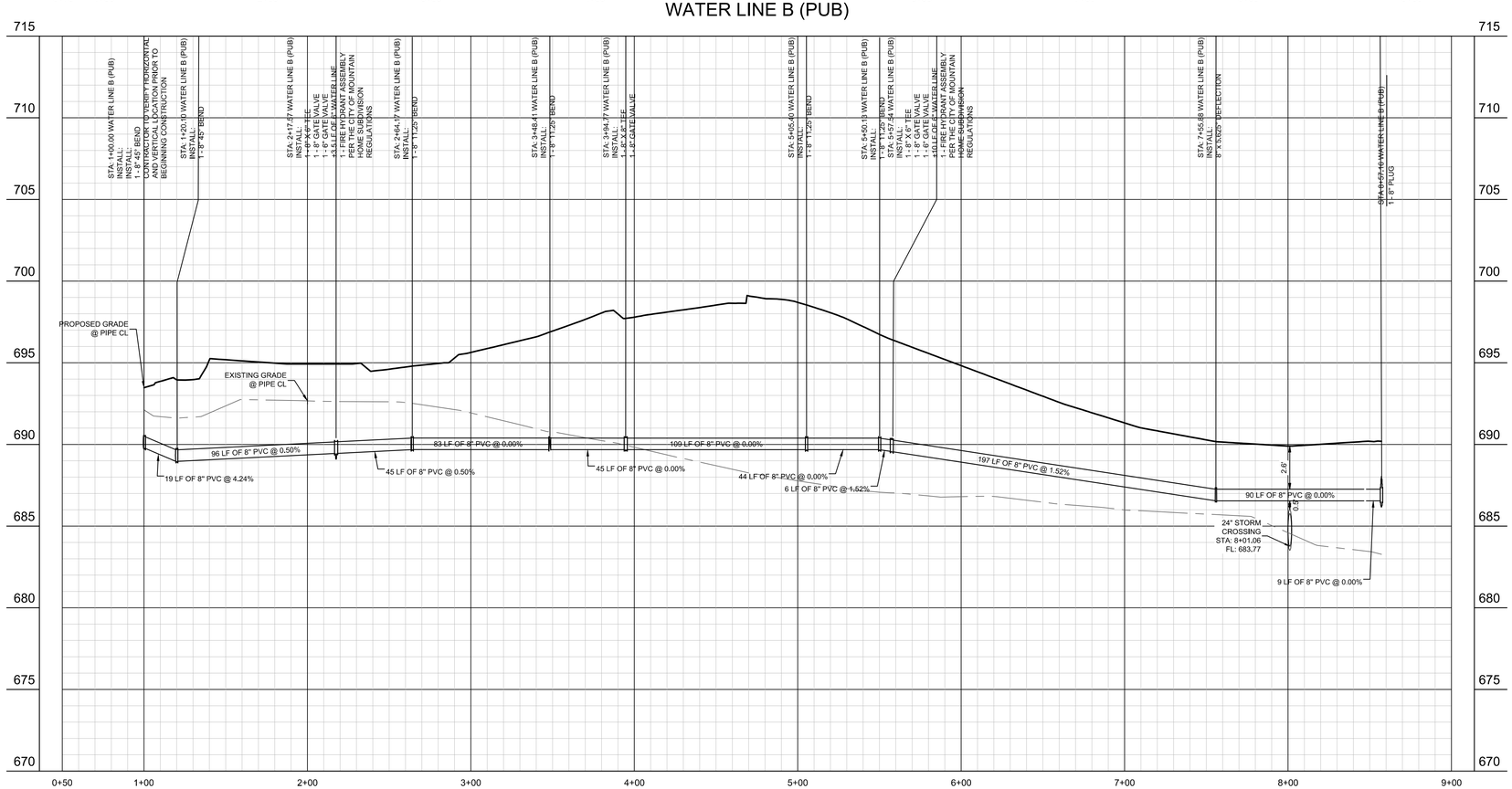
KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

SANITARY SEWER PROFILE

SHEET NUMBER
C-9.2





PROFILE SCALE
1" = 40' HORIZONTAL
1" = 4' VERTICAL

CONTRACTOR TO ADJUST ALL RIM ELEVATIONS TO MATCH FINISHED GRADE.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL

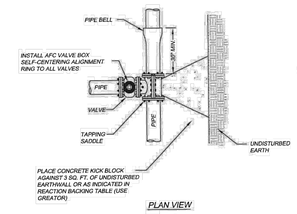
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

WATER PROFILES

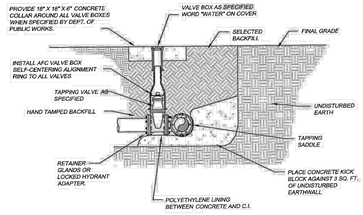
SHEET NUMBER
C-9.3

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
USER: ITB
LAST SAVED 7/9/2026 3:13 PM
PLOTTED BY KHRADWAY, KYSON 7/10/2026 7:46 PM
PLOTTED ON 24x36 (ARCH D)
DWG NAME C:\USERS\KYSON.KHRADWAY\DESKTOP\TRAMMELL CROW WY\1-14_DESIGN\CAD\PLANSHEETS\WATER PROFILES.DWG [WATER PROFILES (1 OF 1)]



PLAN VIEW



PROFILE VIEW

TAPPING SADDLE & VALVE

N.T.S.

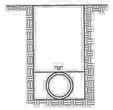
HARRISON | DEPARTMENT OF PUBLIC WORKS, 303 N. Third Street, Harrison, AR 72601, (870) 741-3434 | WATER AND SEWER CONSTRUCTION STANDARD DETAILS — TAPPING SADDLE & VALVE | DRAWN BY: DPW | DRAWING NO: S-5 | DATE: AUG 2013

NOMINAL PIPE DIAMETER	"B"
3" AND 4"	2'-4"
6"	2'-6"
8"	2'-8"
10"	2'-10"
12"	3'-0"
14"	3'-2"
16"	3'-4"
18"	3'-6"
20"	3'-8"
24"	4'-0"
27"	4'-4"
30"	4'-8"
36"	5'-2"
42"	5'-8"
48"	6'-0"

TRENCH WIDTH SCHEDULE

NOTES:

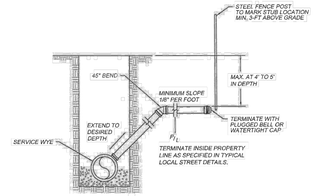
TRENCH WIDTH SHALL BE AS SET FORTH IN ANSI/AWWA 600, INCLUDED AS THE TABLE ON THIS SHEET. LARGER TRENCH WIDTHS MAY BE NECESSARY FOR THE PLACEMENT OF A TRENCH SUPPORT SYSTEM OR AS OTHERWISE REQUIRED



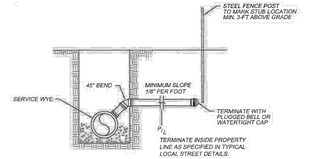
TYPICAL PIPE TRENCH

N.T.S.

HARRISON | DEPARTMENT OF PUBLIC WORKS, 303 N. Third Street, Harrison, AR 72601, (870) 741-3434 | WATER AND SEWER CONSTRUCTION STANDARD DETAILS — TYPICAL PIPE TRENCH | DRAWN BY: DPW | DRAWING NO: S-17 | DATE: NOV 2013



RISER FROM DEEP MAIN

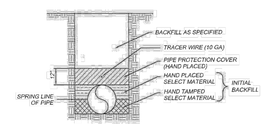


NORMAL DEPTH

SEWER SERVICE CONNECTIONS

N.T.S.

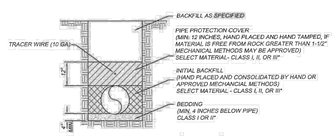
HARRISON | DEPARTMENT OF PUBLIC WORKS, 303 N. Third Street, Harrison, AR 72601, (870) 741-3434 | WATER AND SEWER CONSTRUCTION STANDARD DETAILS — SEWER SERVICE CONNECTIONS | DRAWN BY: DPW | DRAWING NO: S-16 | DATE: NOV 2013



D.I. PRESSURE WATER PIPE TRENCH

(STANDARD LAYING CONDITION "TYPE 2")

N.T.S.



D.I. PRESSURE PIPE TRENCH FOR FORCE MAINS

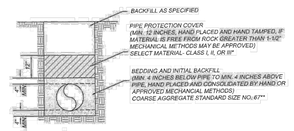
(STANDARD LAYING CONDITION "TYPE 3")

N.T.S.

* CLASS I, II, AND III AS DEFINED IN ASTM D2487 AND THE PIPE BACKFILL MATERIAL AND AGGREGATE BASE COURSE FILL SECTION OF THE SPECIFICATIONS

** STANDARD SIZE NO. 67 AS DEFINED IN ASTM D448

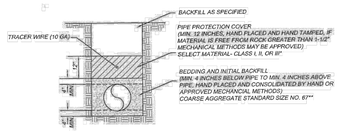
HARRISON | DEPARTMENT OF PUBLIC WORKS, 303 N. Third Street, Harrison, AR 72601, (870) 741-3434 | WATER AND SEWER CONSTRUCTION STANDARD DETAILS — PIPE TRENCH DETAILS | DRAWN BY: DPW | DRAWING NO: S-18 | DATE: NOV 2013



D.I./PVC GRAVITY SEWER PIPE TRENCH

(STANDARD LAYING CONDITION "TYPE 5")

N.T.S.



PE/PVC PRESSURE SEWER PIPE TRENCH

(STANDARD LAYING CONDITION "TYPE 5")

N.T.S.

* CLASS I, II, AND III AS DEFINED IN ASTM D2487 AND THE PIPE BACKFILL MATERIAL AND AGGREGATE BASE COURSE FILL SECTION OF THE SPECIFICATIONS

** STANDARD SIZE NO. 67 AS DEFINED IN ASTM D448

HARRISON | DEPARTMENT OF PUBLIC WORKS, 303 N. Third Street, Harrison, AR 72601, (870) 741-3434 | WATER AND SEWER CONSTRUCTION STANDARD DETAILS — PIPE TRENCH DETAILS | DRAWN BY: DPW | DRAWING NO: S-19 | DATE: NOV 2013

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
TIE
7/1/2026 6:40 PM
LAST SAVED
KIMBERLY.KYSER@KIMLEY-HORN.COM
PLOTTED BY
K:\HRO_HARRISON\064587901 MOUNTAIN HOME CROW WY\14_DESIGN\CAD\PLANSHEETS
PLOTTED AT
UTILITY DETAILS.DWG - [UTILITY DETAILS (1 OF 2)]
DWG NAME

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

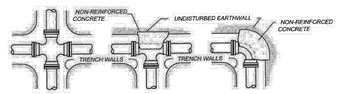
MOUNTAIN HOME INDUSTRIAL

PREPARED FOR
TRAMMELL CROW COMPANY

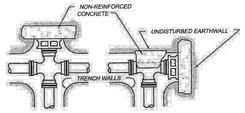
BAXTER COUNTY ARKANSAS

UTILITY DETAILS (1 OF 2)

SHEET NUMBER
C-9.4



CROSS TEE 90° BEND 45° BEND SIMILAR 22 1/2° BEND SIMILAR



CROSS W/PLUG TEE W/PLUG

NOTES:

1. ALL FITTINGS SHALL BE MECHANICAL JOINTS, UNLESS OTHERWISE SPECIFIED.
2. DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
3. WRAP ALL FITTINGS WITH POLYETHYLENE AS SPECIFIED.
4. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
5. BACKING FOR FUTURE LINE EXTENSIONS SHALL BE SUCH THAT REMOVAL OF BACKING IS POSSIBLE IN THE FUTURE.
6. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED.
7. THE REACTION BACKING TABLE IS BASED ON 150 PSI AND A SOIL BEARING PRESSURE OF 2,500 LB/SQ FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY THE ENGINEER.

REACTION BACKING TABLE

SIZE	REQUIRED SQ. FT. OF UNDISTURBED EARTHWALL FOR REACTION BACKING			
	TYPE OF FITTINGS			
	TEE	90°	45°	22 1/2°
2"	1	1	1	1
3"	1	1	1	1
4"	1	2	1	1
6"	3	3	2	2
8"	4	4	3	2
10"	7	7	4	3
12"	10	10	5	3
14"	13	13	7	4
16"	17	17	9	5
18"	21	21	12	6
20"	26	26	14	7
24"	38	38	20	10
30"	59	59	32	15
36"	85	85	46	23

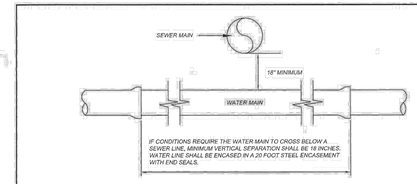
REACTION BACKING
N.T.S.

HARRISON

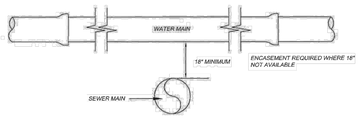
DEPARTMENT OF PUBLIC WORKS
303 N. Third Street
Harrison, AR 72601
(870) 741-3434

WATER AND SEWER CONSTRUCTION STANDARD DETAILS
REACTION BACKING

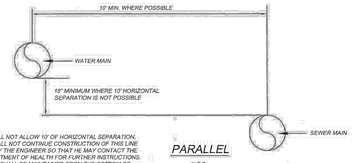
DRAWN BY: DPW | DRAWING NO.: S-3 | DATE: AUG 2013



WATER LINE CROSSING UNDER SEWER LINE
N.T.S.



WATER LINE CROSSING ABOVE SEWER LINE
N.T.S.



IF CONDITIONS WILL NOT ALLOW 10' OF HORIZONTAL SEPARATION, CONTRACTOR SHALL NOT CONTINUE CONSTRUCTION OF THIS LINE AND SHALL NOTIFY THE ENGINEER SO THAT HE MAY CONTACT THE ARKANSAS DEPARTMENT OF HEALTH FOR FURTHER INSTRUCTIONS. A MINIMUM OF 18" SHALL BE MAINTAINED FROM THE BOTTOM OF THE OUTSIDE OF WATER MAIN TO THE CROWN OF THE SEWER AND THE WATER MAIN SHALL BE DUCTILE IRON.

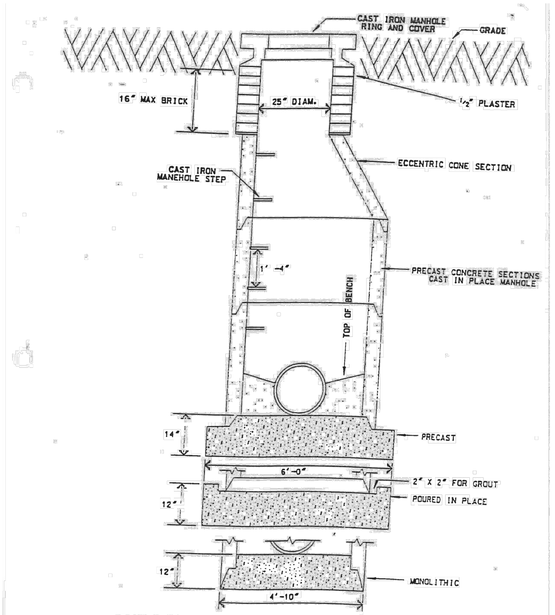
PARALLEL
N.T.S.

HARRISON

DEPARTMENT OF PUBLIC WORKS
303 N. Third Street
Harrison, AR 72601
(870) 741-3434

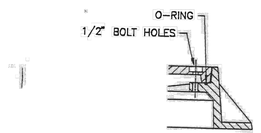
WATER AND SEWER CONSTRUCTION STANDARD DETAILS
WATER / SEWER LINE CROSSINGS

DRAWN BY: DPW | DRAWING NO.: S-6 | DATE: AUG 2013

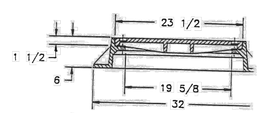


STANDARD MANHOLE FOR SEWERS LESS THAN 24"
STANDARD DRAWING NO.4
CITY OF MOUNTAIN HOME, ARKANSAS

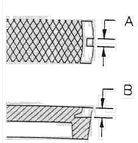
WESTERN IRON WORKS
SAN ANGELO, TEXAS



WATER-TIGHT DETAIL



pe 3 – Concealed Pick Slot

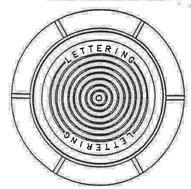


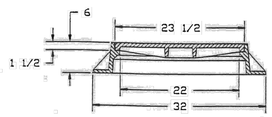
AVAILABLE SIZES	
A	B
1	3/8
1 1/2	1
1 3/4	1 1/4
1 5/8	5/8
1 5/8	1
3	1 1/8
3	1 1/4
3 1/8	3/8
3 1/8	1 3/8
3 1/4	1 3/4

	WATER-TIGHT	
	CASTING	WEIGHT
LID- 3 BOLT	1162701	120 LBS
LID- 4 BOLT	1162705	120 LBS
RING- 3 BOLT	1262700	135 LBS
RING- 4 BOLT	1262701	135 LBS
SET- 3 BOLT	1562701	255 LBS
SET- 4 BOLT	1562705	255 LBS

STANDARD DRAWING NO.6
CITY OF MOUNTAIN HOME, ARKANSAS

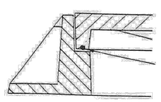
WESTERN IRON WORKS
SAN ANGELO, TEXAS





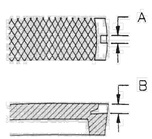
Illustrating SELF-SEALING LID

Standard Drawing No. 7
City of Mountain Home, Arkansas



1/4" OR 5/16" BUNA O-RING SECURELY GLUED INTO MACHINED GROOVE

Type 3 – Concealed Pick Slot



AVAILABLE SIZES	
A	B
1	3/8
1 1/2	1
1 3/4	1 1/4
1 5/8	5/8
1 5/8	1
3	1 1/8
3	1 1/4
3 1/8	3/8
3 1/8	1 3/8
3 1/4	1 3/4

H-20 LOADING

STANDARD	
CASTING	WEIGHT
1162001	120 LBS
1262000	135 LBS
1562000	255 LBS

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

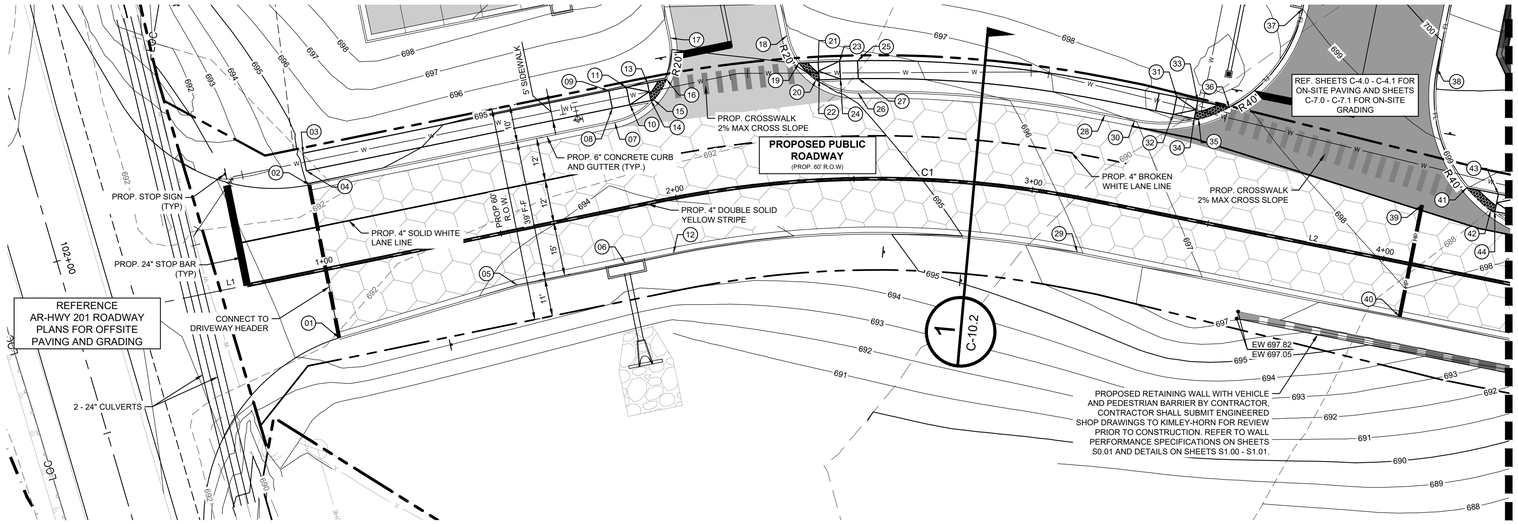
MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

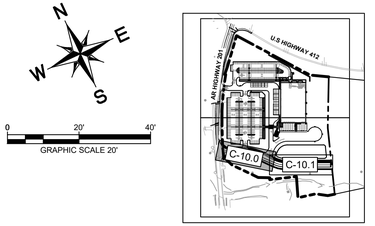
UTILITY DETAILS (2 OF 2)

SHEET NUMBER
C-9.5

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

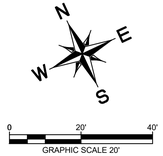
IMAGES:
TIE:
LAST SAVED: 7/9/2026 6:40 PM
PLOTTED BY: MARGAUX KYSON (KYSON.TAYLOR@KHOV.COM)
PLOTTED: 7/9/2026 6:40 PM
DWG NAME: K:\ROV_CIVIL\064587901 - CROW MTI, 14_DESIGN\CAD\PLANSHEETS\UTILITY DETAILS.DWG [UTILITY DETAILS (2 OF 2)]





KEYMAP

NTS



LEGEND

	PROPERTY LINE	425.00	PROPOSED SPOT ELEVATION
710	PROPOSED CONTOURS (1' INTERVAL)	ME	MATCH EXISTING
710	EXISTING CONTOURS (1' INTERVAL)	TC	TOP OF CURB
HP	HIGH POINT	TG	TOP OF GRATE
	PUBLIC ROADWAY ASPHALT	TP	TOP OF PAVEMENT
	ONSITE HEAVY DUTY ASPHALT	GL	GUTTER LINE
	ONSITE STANDARD DUTY ASPHALT	BS	BOTTOM OF SWALE
	GRAVEL DRIVEWAY	EW	END OF WALL
		TW	TOP OF WALL
		BW	BOTTOM OF WALL
		TB	TOP OF BERM
		EX	EXISTING
		SW	SIDEWALK

POINT TABLE

POINT NO.	DESCRIPTION	ALIGNMENT	STATION	OFFSET	ELEVATION
01	TIE TO EX (ROAD)	SOUTH PUBLIC ROADWAY	0+99.84	19.52' RT	694.44
02	TIE TO EX (ROAD)	SOUTH PUBLIC ROADWAY	1+00.20	24.00' LT	694.66
03	SIDEWALK	SOUTH PUBLIC ROADWAY	1+00.20	33.00' LT	695.28
04	SIDEWALK	SOUTH PUBLIC ROADWAY	1+00.20	28.00' LT	695.23
05	PI	SOUTH PUBLIC ROADWAY	1+51.55	15.00' RT	693.90
06	CI	SOUTH PUBLIC ROADWAY	1+82.32	15.00' RT	693.63
07	PT	SOUTH PUBLIC ROADWAY	1+87.32	24.00' LT	694.23
08	SIDEWALK	SOUTH PUBLIC ROADWAY	1+87.46	28.00' LT	694.90
09	SIDEWALK	SOUTH PUBLIC ROADWAY	1+87.49	33.00' LT	694.95
10	BFR	SOUTH PUBLIC ROADWAY	1+92.46	28.00' LT	694.95
11	BFR	SOUTH PUBLIC ROADWAY	1+92.50	33.00' LT	695.00
12	PC	SOUTH PUBLIC ROADWAY	1+96.11	15.00' RT	693.70

POINT TABLE

POINT NO.	DESCRIPTION	ALIGNMENT	STATION	OFFSET	ELEVATION
13	BFR	SOUTH PUBLIC ROADWAY	1+98.26	33.00' LT	694.50
14	BFR	SOUTH PUBLIC ROADWAY	1+98.26	28.00' LT	694.45
15	BFR	SOUTH PUBLIC ROADWAY	1+99.03	28.00' LT	694.45
16	BFR	SOUTH PUBLIC ROADWAY	2+03.19	33.00' LT	694.58
17	TIE TO PROP (DRIVE) PC	SOUTH PUBLIC ROADWAY	2+05.89	44.17' LT	695.16
18	TIE TO PROP (DRIVE) PC	SOUTH PUBLIC ROADWAY	2+34.24	40.90' LT	695.38
19	BFR	SOUTH PUBLIC ROADWAY	2+36.75	33.00' LT	695.02
20	BFR	SOUTH PUBLIC ROADWAY	2+40.83	28.00' LT	694.98
21	BRR	SOUTH PUBLIC ROADWAY	2+41.60	33.00' LT	695.03
22	BFR	SOUTH PUBLIC ROADWAY	2+41.60	28.00' LT	694.98
23	BFR	SOUTH PUBLIC ROADWAY	2+47.00	33.00' LT	695.53
24	BFR	SOUTH PUBLIC ROADWAY	2+47.08	28.00' LT	695.48

POINT TABLE

POINT NO.	DESCRIPTION	ALIGNMENT	STATION	OFFSET	ELEVATION
25	SIDEWALK	SOUTH PUBLIC ROADWAY	2+51.51	33.00' LT	695.61
26	PT	SOUTH PUBLIC ROADWAY	2+51.55	24.00' LT	695.06
27	SIDEWALK	SOUTH PUBLIC ROADWAY	2+51.66	28.00' LT	695.56
28	PC	SOUTH PUBLIC ROADWAY	3+15.75	24.00' LT	696.73
29	PC	SOUTH PUBLIC ROADWAY	3+15.75	15.00' RT	695.95
30	PT	SOUTH PUBLIC ROADWAY	3+24.21	24.00' LT	696.98
31	BFR	SOUTH PUBLIC ROADWAY	3+34.46	33.00' LT	698.23
32	BFR	SOUTH PUBLIC ROADWAY	3+34.46	28.00' LT	698.18
33	BFR	SOUTH PUBLIC ROADWAY	3+40.46	33.00' LT	697.74
34	BFR	SOUTH PUBLIC ROADWAY	3+40.46	28.00' LT	697.69
35	BFR	SOUTH PUBLIC ROADWAY	3+41.64	28.00' LT	697.67
36	PC	SOUTH PUBLIC ROADWAY	3+49.49	33.00' LT	697.86

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	300.00'	119.64'	S65°02'14"E	118.85'	22°51'00"	60.63'

LINE TABLE

LINE	LENGTH	BEARING
L1	176.16	S76°27'44.17"E
L2	137.19	S53°36'43.95"E

GRADING NOTES

1. ALL GRADING SPOTS SHOWN REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY ADA COMPLIANCE. FOR ANY QUESTIONS CONTACT OWNER/ARCHITECT IMMEDIATELY.
3. GRADES IN ALL SIDEWALK ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
4. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, STORM MANHOLES, ETC. TO MATCH PROPOSED FINISHED GRADES, IF NECESSARY.
5. MAXIMUM SLOPE IN GRASS AREAS SHALL BE 3:1.
6. SEE STORM CURB INLET SECTION GUTTERLINE FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).
7. ALL STUMPS, BRUSH, GRASSES, AND SURFACE ORGANICS ARE TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE.
8. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT, AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL FOR SPECIFIC DETAIL AND REQUIREMENTS.
9. ALL LANDSCAPE ISLANDS SHALL BE GRADED TO SLOPE 2% MINIMUM AND DRAIN OVER THE TOP OF CURB. NO PONDING SHALL OCCUR WITHIN THE ISLANDS.

PAVING NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. REFERENCE SHEET C-4.2 FOR PAVEMENT SECTIONS.
3. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.
4. PAVEMENT THICKNESSES SHOWN ARE MINIMUMS.
5. ALL CURBS TO BE 6" IN HEIGHT UNLESS SPECIFIED OTHERWISE.
6. TYPICAL 6" CURB AND GUTTER PER CITY OF MOUNTAIN HOME STANDARD DETAILS SEE SHEET C-4.2 FOR DETAILS.
7. ALL DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE.
8. ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE LATEST ADA STANDARDS, THE STATE OF ARKANSAS STANDARDS, AND CITY OF MOUNTAIN HOME DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.

RETAINING WALL NOTES

1. FINISHED SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF WALL ARE PROVIDED FOR GRADING PURPOSES ONLY. THE WALL DESIGN, BY CONTRACTOR, MUST FIT THE FACE AND TOP OF THE WALL WITHIN THE WALL ZONE INDICATED. SELECTION OF RETAINING WALL SYSTEM SHALL BE MADE BY THE OWNER. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND IS NOT PART OF THIS PLAN SET. WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN INCLUDING ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS, CONSTRUCTABILITY NOTES, OR OTHER ADJACENCIES SUCH AS UTILITIES OR PROPERTY LINES. THE OWNER WILL CAUSE THEIR WALL ENGINEER TO CONSULT ALL SHEETS OF THIS PLAN SET AND THE GEOTECHNICAL REPORT (PREPARED BY OTHERS) FOR POTENTIAL CONFLICTS.
2. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST GEOTECHNICAL REPORT FOR THE PROJECT AND SHALL COMPLY WITH THE RECOMMENDATIONS IT CONTAINS.

GEOTECH NOTE

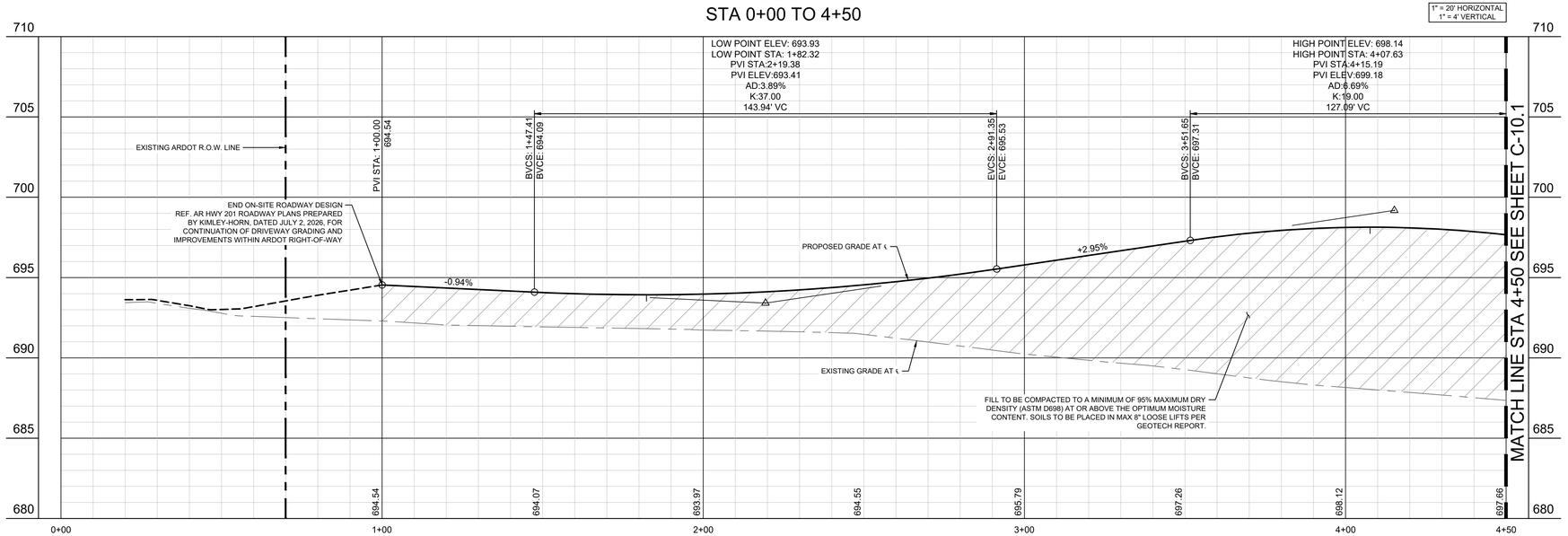
REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL EVALUATION,
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

SOUTH PUBLIC ROADWAY
STA 0+00 TO 4+50

PROFILE SCALE
1" = 20' HORIZONTAL
1" = 4' VERTICAL



		BY
		DATE
	REVISIONS	
		No.

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT	06458701
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	KCH
DRAWN BY	KCH
CHECKED BY	MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

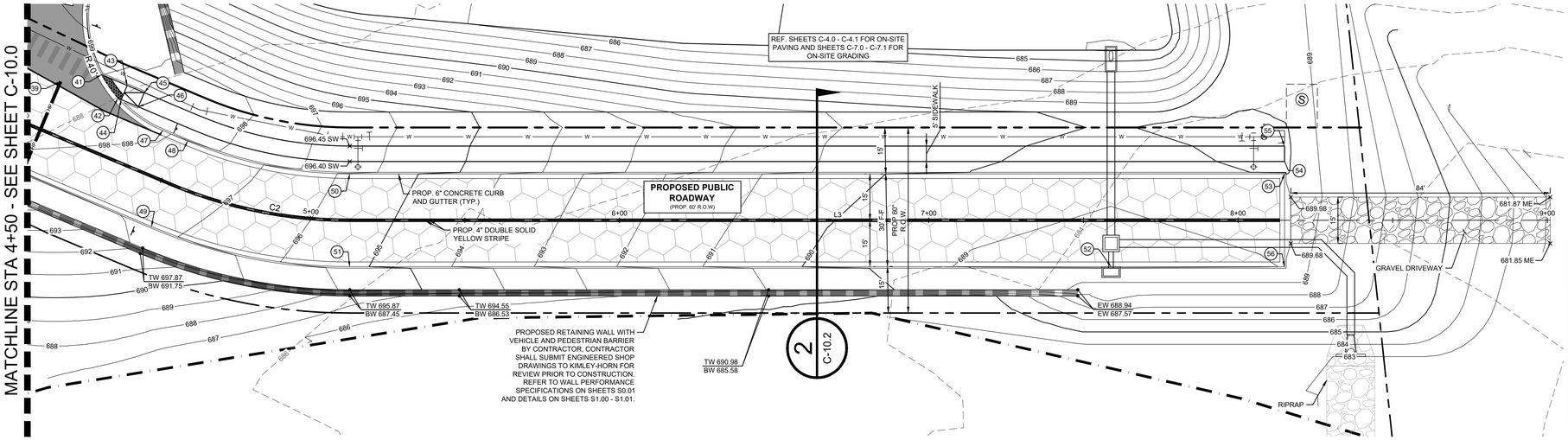
PUBLIC ROADWAY PLAN AND PROFILE BEGIN TO STA 4+50

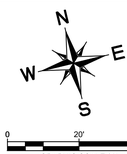
SHEET NUMBER
C-10.0

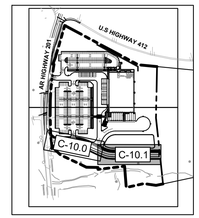
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
LAST SAVED BY
PLOTTED
PLOTTED BY
DWG NAME

$Env: $Dyn : $Att : $Tb : $Keymap : $Site : $Hatch : $Sheet : $Ref : $Ref FG : $Param : $Sform
7/9/2026 8:37 PM
SALMONSEN, MARY R
C:\Users\mary.salmonsen\ACCDocs\TRAMMELL CROW WY\14_DESIGN\CADD\PLANSHEETS
ROADWAY PLAN AND PROFILE.DWG (ROADWAY (1 OF 2))







KEYMAP

NTS

LEGEND

	PROPERTY LINE	425.00	PROPOSED SPOT ELEVATION
710	PROPOSED CONTOURS (1' INTERVAL)	ME	MATCH EXISTING
710	EXISTING CONTOURS (1' INTERVAL)	TC	TOP OF CURB
HP	HIGH POINT	TG	TOP OF GRATE
	PUBLIC ROADWAY ASPHALT	TP	TOP OF PAVEMENT
	ONSITE HEAVY DUTY ASPHALT	GL	GUTTER LINE
	ONSITE STANDARD DUTY ASPHALT	BS	BOTTOM OF SWALE
	GRAVEL DRIVEWAY	EW	END OF WALL
		TW	TOP OF WALL
		BW	BOTTOM OF WALL
		TB	TOP OF BERM
		EX	EXISTING
		SW	SIDEWALK

POINT TABLE					
POINT NO.	DESCRIPTION	ALIGNMENT	STATION	OFFSET	ELEVATION
37	PC	SOUTH PUBLIC ROADWAY	3+64.21	64.00' LT	699.00
38	PC	SOUTH PUBLIC ROADWAY	4+04.21	55.00' LT	699.70
39	HIGHPOINT	SOUTH PUBLIC ROADWAY	4+07.61	16.76' LT	698.48
40	HIGHPOINT	SOUTH PUBLIC ROADWAY	4+07.61	15.00' RT	697.84
41	PC	SOUTH PUBLIC ROADWAY	4+18.93	24.00' LT	698.51
42	BFR	SOUTH PUBLIC ROADWAY	4+26.77	19.00' LT	698.33
43	BFR	SOUTH PUBLIC ROADWAY	4+27.95	24.00' LT	698.37
44	BFR	SOUTH PUBLIC ROADWAY	4+27.95	19.00' LT	698.32
45	BFR	SOUTH PUBLIC ROADWAY	4+33.95	24.00' LT	698.87
46	BFR	SOUTH PUBLIC ROADWAY	4+33.95	19.00' LT	698.82
47	PT	SOUTH PUBLIC ROADWAY	4+44.21	15.00' LT	698.08
48	PC	SOUTH PUBLIC ROADWAY	4+52.95	15.00' LT	697.83

POINT TABLE					
POINT NO.	DESCRIPTION	ALIGNMENT	STATION	OFFSET	ELEVATION
49	PC	SOUTH PUBLIC ROADWAY	4+52.95	15.00' RT	697.23
50	PT	SOUTH PUBLIC ROADWAY	5+12.77	15.00' LT	695.83
51	PT	SOUTH PUBLIC ROADWAY	5+12.77	15.00' RT	695.23
52	CI	SOUTH PUBLIC ROADWAY	7+58.91	15.00' RT	688.61
53	END OF IMPROVEMENTS	SOUTH PUBLIC ROADWAY	8+15.01	15.00' LT	689.63
54	SIDEWALK	SOUTH PUBLIC ROADWAY	8+15.01	19.00' LT	690.20
55	SIDEWALK	SOUTH PUBLIC ROADWAY	8+15.01	24.00' LT	690.25
56	END OF IMPROVEMENTS	SOUTH PUBLIC ROADWAY	8+15.01	15.00' RT	689.03

LINE TABLE		
LINE	LENGTH	BEARING
L3	388.16	S76°27'44.17"E

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C2	150.00'	59.82'	S65°02'14"E	59.43'	22°51'00"	30.31'

GRADING NOTES

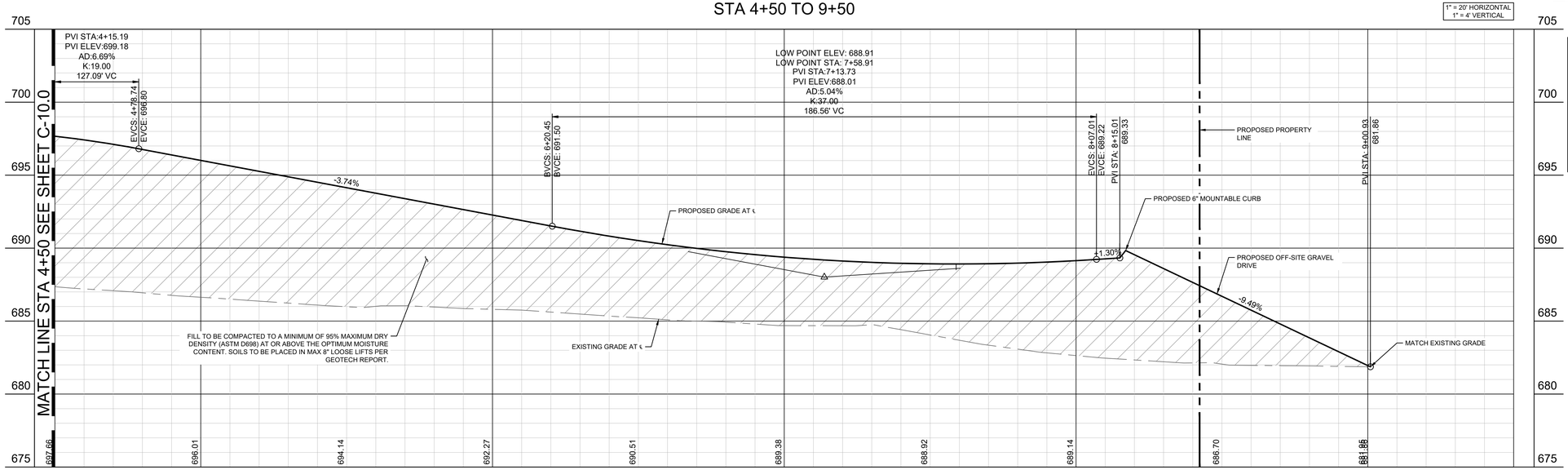
1. ALL GRADING SPOTS SHOWN REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY ADA COMPLIANCE. FOR ANY QUESTIONS CONTACT OWNER/ARCHITECT IMMEDIATELY.
3. GRADES IN ALL SIDEWALK ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
4. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, STORM MANHOLES, ETC. TO MATCH PROPOSED FINISHED GRADES, IF NECESSARY.
5. MAXIMUM SLOPE IN GRASS AREAS SHALL BE 3:1.
6. SEE STORM CURB INLET SECTION GUTTERLINE FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).
7. ALL STUMPS, BRUSH, GRASSES, AND SURFACE ORGANICS ARE TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE.
8. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT, AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL FOR SPECIFIC DETAIL AND REQUIREMENTS.
9. ALL LANDSCAPE ISLANDS SHALL BE GRADED TO SLOPE 2% MINIMUM AND DRAIN OVER THE TOP OF CURB. NO PONDING SHALL OCCUR WITHIN THE ISLANDS.

PAVING NOTES

1. REFERENCE SHEET C-1.1 FOR GENERAL NOTES.
2. REFERENCE SHEET C-4.2 FOR PAVEMENT SECTIONS.
3. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.
4. PAVEMENT THICKNESSES SHOWN ARE MINIMUMS.
5. ALL CURBS TO BE 6" IN HEIGHT UNLESS SPECIFIED OTHERWISE.
6. TYPICAL 6" CURB AND GUTTER PER CITY OF MOUNTAIN HOME STANDARD DETAILS SEE SHEET C-4.2 FOR DETAILS.
7. ALL DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE.
8. ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE LATEST ADA STANDARDS, THE STATE OF ARKANSAS STANDARDS, AND CITY OF MOUNTAIN HOME DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.

SOUTH PUBLIC ROADWAY
STA 4+50 TO 9+50

PROFILE SCALE
1" = 20' HORIZONTAL
1" = 4' VERTICAL



RETAINING WALL NOTES

1. FINISHED SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF WALL ARE PROVIDED FOR GRADING PURPOSES ONLY. THE WALL DESIGN, BY CONTRACTOR, MUST FIT THE FACE AND TOP OF THE WALL WITHIN THE WALL ZONE INDICATED. SELECTION OF RETAINING WALL SYSTEM SHALL BE MADE BY THE OWNER. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND IS NOT PART OF THIS PLAN SET. WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN INCLUDING ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS, CONSTRUCTABILITY NOTES, OR OTHER ADJACENCIES SUCH AS UTILITIES OR PROPERTY LINES. THE OWNER WILL CAUSE THEIR WALL ENGINEER TO CONSULT ALL SHEETS OF THIS PLAN SET AND THE GEOTECHNICAL REPORT (PREPARED BY OTHERS) FOR POTENTIAL CONFLICTS.
2. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST GEOTECHNICAL REPORT FOR THE PROJECT AND SHALL COMPLY WITH THE RECOMMENDATIONS IT CONTAINS.

GEOTECH NOTE

REFER TO GEOTECHNICAL REPORT AND ALL ADDENDA FOR SPECIFICATIONS FOR PAVEMENT SECTIONS AND SUBGRADE PREPARATION.
TITLE: GEOTECHNICAL EVALUATION.
TERRACON PROJECT NUMBER: KB255044
BY: **TERRACON**
DATED: OCTOBER 17, 2025

811 Know what's below. Call before you dig.

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21264 Date 07/10/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY KCH
DRAWN BY KCH
CHECKED BY MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

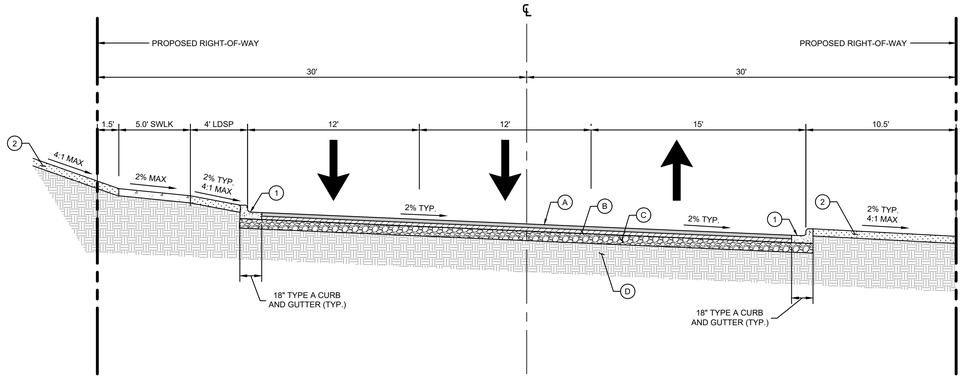
PUBLIC ROADWAY PLAN AND PROFILE STA 4+50 TO END

SHEET NUMBER
C-10.1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

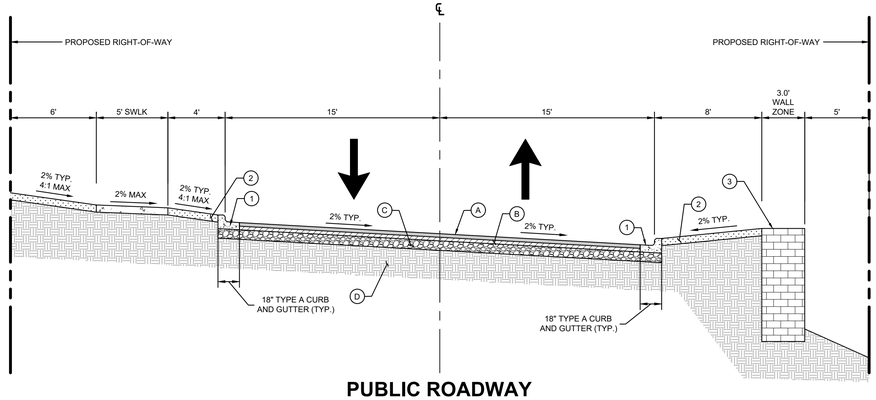
IMAGES
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

xRefs: xDyn xUtil xTB xKeymap xSite xHatch xExisting xEsmt xSurFG xPaving xStorm
C:\Users\mrs\Desktop\064587901_MAIN_CROW WYLY4_DESIGN\CAD\PLANSHEETS
PLAN AND PROFILE (DWG - (ROADWAY (2 OF 2)



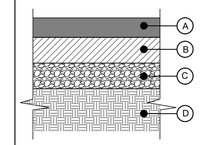
PUBLIC ROADWAY TYPICAL SECTION 1

N.T.S



PUBLIC ROADWAY TYPICAL SECTION 2

N.T.S



A HMAC SURFACE COURSE (TYPE 2 OR 3) PER AHTD STANDARD SPECIFICATIONS

B HMAC BASE COURSE PER AHTD STANDARD SPECIFICATIONS

C AGGREGATE BASE (CLASS 7 OR CLASS 8) PER AHTD STANDARD SPECIFICATIONS

D SUBGRADE PER NOTE 3 BELOW

PUBLIC ROADWAY ASPHALT PAVEMENT

PLAN SYMBOL	ASPHALTIC CONCRETE FLEXIBLE PAVEMENT
A	0'-3"
B	0'-2"
C	0'-8"

GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM THESE PAVEMENT SECTIONS WITH THE CITY OF MOUNTAIN HOME CONSTRUCTION STANDARDS AND MATERIALS - STREET AND DRAINAGE.
2. MATCH EXISTING PAVEMENT SECTION IF MORE STRINGENT THAN SECTION PER THIS DETAIL.
3. SUBGRADE SHALL BE PER CITY OF MOUNTAIN HOME CONSTRUCTION STANDARDS AND MATERIALS - STREET AND DRAINAGE SECTION 9.3

CONSTRUCTION NOTES

1. 18" TYPE A CONCRETE CURB AND GUTTER
2. REF. LANDSCAPE PLANS FOR DETAILS
3. PROP. RETAINING WALL WITH VEHICLE AND PEDESTRIAN BARRIERS TO BY CONTRACTOR

THESE PLAN AND GENERAL NOTES REFER TO:

GEOTECHNICAL ENGINEERING REPORT

TERRACON

PROJECT NO. (KB255044)

OCTOBER 17, 2025

INCLUDING ALL REVISIONS AND ADDENDA TO THIS REPORT THAT MAY HAVE BEEN RELEASED AFTER THE NOTED DATE.

811 Know what's below. Call before you dig.

CAUTION!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY

Kimley»Horn
1800 S. 52ND STREET, SUITE 201, ROGERS, AR 72758
PHONE: 216-505-7775
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer MARY R. SALMONSEN
P.E. No. 21284 Date 07/10/2026

K-HA PROJECT	064587001
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	KCH
DRAWN BY	KCH
CHECKED BY	MRS

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

ROADWAY TYPICAL SECTIONS

SHEET NUMBER
C-10.2

IMAGES
ATTACHED
LAST SAVED
PLOTTED BY
DWG NAME
dtw, -Dyn, -TB
7/9/2026 8:04 PM
SALMONSEN, MARY R
K:\ROG_TCP\064587001-MOUNTAIN HOME CROW WY\14_DESIGN\CAD\PLANSHEETS
PUBLIC ROADWAY TYPICAL SECTIONS.DWG [SETVALS]
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES

NOTES ON THIS AND THE FOLLOWING SHEETS ARE PART OF THE PROJECT REQUIREMENTS, BUT ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF THE SPECIFICATIONS AND THESE NOTES, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

1.00 DOCUMENTS AND LIMITATIONS

1.01 THE DRAWINGS, CALCULATIONS, SPECIFICATIONS, AND REPRODUCTIONS, RELATING TO THE STRUCTURAL PART OF THE PROJECT, ARE INSTRUMENTS OF SERVICE TO BE USED ONLY FOR THIS PROJECT.

1.02 IT IS UNDERSTOOD THAT THE STRUCTURAL ENGINEER OF RECORD MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE, EXCEPT THAT THESE INSTRUMENTS OF SERVICE HAVE BEEN PREPARED IN ACCORDANCE WITH THE CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEER PRACTICES.

1.03 ALL NON-STRUCTURAL ELEMENTS INDICATED ON THE STRUCTURAL DRAWINGS HAVE BEEN SHOWN IN GENERAL TO THE RELATIONSHIP TO THE STRUCTURAL ELEMENTS. ACCORDINGLY, THEY SHALL NOT BE ASSUMED TO BE ACCURATE AND REFERENCE MUST BE MADE TO THE APPROPRIATE CONSULTANT(S) PLANS AND SPECIFICATIONS.

1.04 EXISTING CONDITIONS SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY. ACTUAL CONDITIONS IN THE GARAGE MAY DIFFER FROM THE INFORMATION SHOWN. CONTRACTOR IS TO VERIFY EXISTING INFORMATION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2.00 CONSTRUCTION SAFETY

2.01 IT IS UNDERSTOOD THAT THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK ON THE PROJECT. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE PERSONS AND PROTECT THEM AGAINST INJURY: LIKEWISE, THE CONTRACTOR SHALL PROTECT ALL PROPERTY AGAINST DAMAGE OR LOSS.

2.02 THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OF PROPERTY.

2.03 THE CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS THE WORK IS SATISFACTORILY COMPLETED, AND THE ENGINEER HAS ISSUED A NOTICE TO THAT EFFECT TO THE OWNER AND THE CONTRACTOR.

3.00 FORMWORK, SHORING, AND RESHORING

3.01 IF FORMWORK, SHORING, OR RESHORING IS REQUIRED, THE CONTRACTOR SHALL EMPLOY, AT HIS EXPENSE, A FORMWORK/SHORING ENGINEER REGISTERED IN TEXAS TO CONTROL ALL OPERATIONS RELATING TO DESIGN, INSTALLATION AND REMOVAL OF ALL FORMWORK, SHORING AND RESHORING.

3.02 CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FABRICATION, ERECTION, SUPPORT, AND BRACING OF FORMWORK, AND SHORING AND RESHORING PROCEDURES FOR THE ENGINEER'S RECORDS.

4.00 DIMENSIONS

4.01 BEFORE STARTING WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE SITE, AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

4.02 THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH EXISTING CONDITIONS. IF ANY DISCREPANCY IS NOTICED, IT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ENGINEER

4.03 THE CONTRACTOR SHALL REFER TO THE ENGINEER FOR HIS INSTRUCTIONS FOR ANY DIMENSION NOT GIVEN ON OR OBTAINABLE FROM THE DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.

5.00 SHOP DRAWINGS

5.01 REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS LIMITED TO COMPLIANCE OF THE COMPLETED STRUCTURE WITH THE DESIGN CONCEPT AND INFORMATION GIVEN IN THE PROJECT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DIMENSIONS, QUANTITIES, PERFORMANCE, SAFETY, COORDINATION WITH OTHER WORKS, AND ALL OTHER REQUIREMENTS OF THE PROJECT DOCUMENTS. REVIEW DOES NOT AUTHORIZE CHANGES TO CONTRACT.

5.02 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR HIS REVIEW IN ACCORDANCE WITH A SCHEDULE OF SUBMITTALS ACCEPTABLE TO THE ENGINEER. THESE SHOP DRAWINGS SHALL HAVE BEEN CHECKED BY, AND STAMPED WITH THE APPROVAL OF THE CONTRACTOR, AND IDENTIFIED AS THE ENGINEER MAY REQUIRE. THE DATA SHOWN ON THE SHOP DRAWINGS SHALL BE COMPLETE WITH RESPECT TO DIMENSIONS, DESIGN CRITERIA, AND DULY SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ARKANSAS (WHERE APPLICABLE).

6.00 MASONRY (NOT USED)

7.00 OPENINGS IN SLABS, BEAMS, AND WALLS

7.01 IN CAST-IN-PLACE CONCRETE WORK, NO OPENINGS SHALL BE PERMITTED IN SLABS WITHIN A DISTANCE OF EIGHT INCHES FROM THE FACE OF A COLUMN OR EDGE OF SLAB. OPENINGS BETWEEN EIGHT TO TWENTY FOUR INCHES FROM THE FACE OF THE COLUMN OR EDGE OF SLAB SHALL NOT GENERALLY BE PERMITTED EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER. OPENINGS LOCATED GREATER THAN TWO FEET FROM THE FACE OF THE COLUMN, EDGE OF CAPITAL, OR EDGE OF SLAB ARE GENERALLY PERMITTED, SUBJECT TO APPROVAL OF THE ENGINEER.

7.02 OPENINGS IN CONCRETE WALLS MAY BE PERMITTED SUBJECT TO THE APPROVAL OF THE ENGINEER.

7.03 OPENINGS THROUGH WEBS OF BEAMS ARE PROHIBITED EXCEPT AS SPECIFICALLY SHOWN ON THE PLANS.

7.04 NO DRILLING THROUGH SLABS, BEAMS, COLUMNS, OR WALLS SHALL BE CARRIED OUT EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER. SUCH APPROVAL, IF GRANTED, SHALL BE ON A CASE BY CASE BASIS.

8.00 REINFORCING

8.01 REINFORCING: ASTM A615, GRADE 60, U.N.O.

8.02 BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES AS SHOWN ON THE STRUCTURAL DRAWINGS.

8.03 CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS. WHERE CLEAR DISTANCE IS NOT SHOWN, ACI 362 "GUIDE FOR THE DESIGN OF DURABLE PARKING STRUCTURES" SHALL CONTROL.

8.04 BAR SUPPORTS, DESIGN, DETAILING, FABRICATION, AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-08 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 315-99 (DETAILING MANUAL).

9.00 REINFORCED CONCRETE (CAST-IN-PLACE)

9.01 THE GENERAL CONTRACTOR SHALL ASSIST AND COOPERATE WITH AN INDEPENDENT TESTING LABORATORY (TO BE RETAINED BY THE OWNER) WHICH SHALL CONDUCT ALL THE SPECIFIED TESTS REQUIRED FOR THE CONCRETE WORK AND REPORT THE RESULTS OF THESE TESTS DIRECTLY AND PROMPTLY TO THE ENGINEER FOR HIS REVIEW.

9.02 DETAILING OF REBAR SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE ACI DETAILING MANUAL, AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF "MANUAL OF STANDARD PRACTICE". ALL SHOP DRAWINGS PERTAINING TO REBAR DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW.

9.03 CONCRETE MIX DESIGN FOR ALL CONCRETE WORK IS REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW. IT IS TO BE NOTED THAT THE CONCRETE SUPPLIER SHALL HAVE A QUALITY CONTROL PROCEDURE FOR THE PRODUCTION OF ALL CONCRETE, WHICH MUST BE ACCEPTABLE TO THE ENGINEER AND MEETS CURRENT ACI STANDARDS.

9.04 CONSTRUCTION JOINTS, SHALL BE AS APPROVED BY THE STRUCTURAL ENGINEER, AND THE ARCHITECT. ENGINEER SHALL BE INFORMED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONCRETE WORK.

9.05 A COPY OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI SP 15 "FIELD REFERENCE MANUAL" SHALL BE KEPT IN THE PROJECT FIELD OFFICE AT ALL TIMES.

9.06 CAST-IN-PLACE CONCRETE PROPERTIES – ACI 362.1R-97 TABLE 3.1:

DESCRIPTION	COMPRESSIVE STRENGTH (f'c)	MAXIMUM CHLORIDE ION	MAXIMUM W/C RATIO	AVERAGE ENTRAINED AIR
FOUNDATIONS AND MAT SLABS	4,000 PSI	0.30	0.45	N/A
WALLS	4,000 PSI	0.30	0.45	5%

NOTES:

1. ALL CONCRETE SHALL BE CONSIDERED TO BE EXPOSURE CLASS F0, S0, P0, AND C0 ACCORDING TO ACI 318 UNLESS NOTED OTHERWISE IN THESE PLANS.
3. AVERAGE AIR-ENTRAINED VALUES ARE FOR IN-PLACE CONCRETE. TOLERANCE ON TOTAL AIR CONTENT IS ±1½% PER ACI.
4. ALL NORMAL WEIGHT CONCRETE TO HAVE A DENSITY OF APPROXIMATELY 145 PCF UNLESS NOTED.
5. ALL LIGHTWEIGHT CONCRETE TO HAVE A DENSITY OF APPROXIMATELY 110 PCF, BUT NO MORE THAN 115 PCF. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330 AND SHALL HAVE A MAXIMUM SIZE OF 1".
4. ALL AIR-ENTRAINED CONCRETE SHALL INCLUDE 564 LBS OF CEMENTITIOUS MATERIAL MINIMUM PER CUBIC YARD OF CONCRETE. THE WEIGHT OF FLY ASH AND GGBS ADMIXTURES MAY BE INCLUDED WITH THE WEIGHT OF CEMENTITIOUS MATERIAL.

10.00 STRUCTURAL STEEL (NOT USED)

11.00 DESIGN LOADS

2021 INTERNATIONAL BUILDING CODE AND CITY OF MOUNTAIN HOME AMENDMENTS

DEAD: SELF WEIGHT

LIVE: NA

SNOW: NA

WIND: NA

SEISMIC: NA

FLOOD: NA

OTHER: GUARDRAILS: 50 LBS/FT UNIFORM ; 200 LBS CONCENTRATED

12.00 FOUNDATION NOTES

12.01 COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES ON THIS SHEET. UNLESS OTHERWISE SPECIFIED THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLAN SHALL GOVERN.

12.02 ALL FOUNDATIONS SHALL BE CENTERED ON COLUMN GRID LINES, E.G. COLUMNS, WALLS, ETC., UNLESS NOTED OTHERWISE.

12.03 FOUNDATION DESIGN IS BASED ON THE FOLLOWING:

1. REFER TO GEOTECHNICAL ENGINEERING REPORT No. KB255044, DATED OCTOBER 17, 2025 BY TERRACON. CONTRACTOR SHALL REVIEW ALL RECOMMENDATIONS INCLUDED IN THIS REPORT AND FOLLOW STATED RECOMMENDATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. ACTIVE EARTH PRESSURE (DRAINED) = 40 PSF/FT DEPTH
3. AT-REST EARTH PRESSURE (DRAINED) = 60 PSF/FT DEPTH
6. PASSIVE EARTH PRESSURE (DRAINED) = 420 PSF/FT DEPTH
7. ACTIVE EARTH PRESSURE (UNDRAINED) = 80 PSF/FT DEPTH
8. AT-REST EARTH PRESSURE (UNDRAINED) = 90 PSF/FT DEPTH
9. PASSIVE EARTH PRESSURE (UNDRAINED) = 290 PSF/FT DEPTH
10. NET ALLOWABLE BEARING PRESSURE = 2,500 PSF
11. ASSUMED SLIDING COEFFICIENT OF FRICTION = 0.3

12.04 REFER TO PLUMBING, MECHANICAL, FIRE PROTECTION, CIVIL AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZES OF OPENINGS THROUGH CIP CONCRETE, AND ALL NECESSARY EMBEDDED ITEMS AS REQUIRED.

12.05 WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT ADEQUATE BRACING UNTIL WALLS HAVE REACHED 75% OF SPECIFIED STRENGTH AND SUPPORTING SOIL AND SLABS ARE IN PLACE AND AT 75% OF SPECIFIED STRENGTH.

12.06 COMPACT FILL LAYERS UNDER BUILDING TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR). PLACE FILL IN LAYERS 8 TO 10 INCH MAXIMUM LOOSE THICKNESS. COMPACT UPPER 18 INCHES OF FILL TO AT LEAST 98% MAXIMUM DRY DENSITY.

12.07 SELECT AND PLACE POROUS BACKFILL AT RETAINING WALLS CAREFULLY BY HAND OPERATED EQUIPMENT ONLY, WITHIN A DISTANCE EQUAL TO HALF THE HEIGHT OF THE WALL.

13.00 SPECIAL INSPECTIONS

13.01 DESIGN CODE: INTERNATIONAL BUILDING CODE (2021 EDITION)

13.02 SPECIAL INSPECTIONS:

ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY. AT A MINIMUM, THE FOLLOWING SPECIAL INSPECTIONS AND TESTS SHALL BE PERFORMED (IBC SEC. 1705):

SOILS (IBC TABLE 1705.6)

TYPE: VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
FREQUENCY: PERIODIC

TYPE: VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
FREQUENCY: PERIODIC

TYPE: PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
FREQUENCY: PERIODIC

TYPE: VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
FREQUENCY: CONTINUOUS

TYPE: PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.
FREQUENCY: PERIODIC

REINFORCED CONCRETE (IBC TABLE 1705.3)

TYPE: INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.
FREQUENCY: PERIODIC

TYPE: INSPECT ANCHORS CAST IN CONCRETE.
FREQUENCY: PERIODIC

TYPE: INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.
FREQUENCY: ADHESIVE ANCHORS IN TENSION – CONTINUOUS; MECHANICAL ANCHORS AND CERTAIN ADHESIVE ANCHORS – PERIODIC

TYPE: VERIFY USE OF REQUIRED DESIGN MIX.
FREQUENCY: PERIODIC

TYPE: PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE CONCRETE TEMPERATURE.
FREQUENCY: CONTINUOUS

TYPE: VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
FREQUENCY: PERIODIC

TYPE: INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
FREQUENCY: PERIODIC

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 16326
JOSHUA R. HANSON
7-2-2026

KHA PROJECT	064587901
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	JRH
DRAWN BY	HMB
CHECKED BY	JRH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STRUCTURAL GENERAL NOTES

SHEET NUMBER
S0.01

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

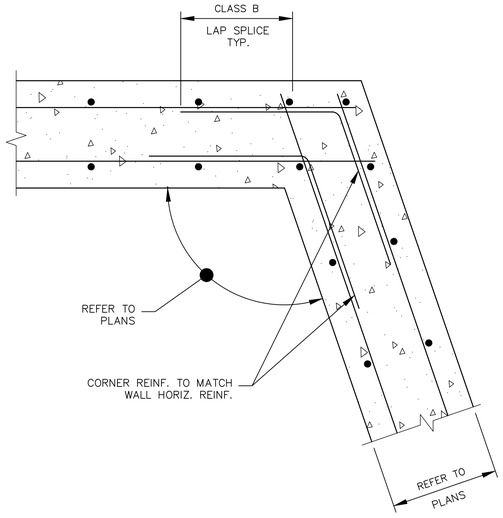
IMAGES HANSON AR SIG.jpg :
LAST SAVED 7/7/2026 4:25 PM
PLOTTED BY HANSON, JEFF 7/2/2026 11:09 AM
DWG NAME MOUNTAIN HOME AR WALLS.DWG

CANTILEVERED RETAINING WALL DESIGN NOTES

1. CANTILEVERED RETAINING WALLS ARE INTENDED FOR YOUR USE AT THIS SITE FOR RETAINED HEIGHTS OF 16 FEET OR LESS.
2. DESIGN OF CANTILEVERED RETAINING WALLS SHALL COMPLY WITH LOCAL ADOPTED BUILDING CODES AND THE RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL ENGINEERING REPORT. DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ARKANSAS.
3. THE CONTRACTOR AND WALL DESIGNER SHALL SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND CALCULATIONS SIGNED AND SEALED BY AN ARKANSAS PROFESSIONAL ENGINEER FOR REVIEW BY THE ENGINEER OF RECORD.
4. REFER TO CIVIL DRAWINGS FOR LOCATIONS OF WALLS AND FINISHED GRADE ELEVATIONS. PROVIDE FOOTING STEPS TO ENSURE MINIMUM GROUND COVER OVER THE FOOTING TOE SIDE.
5. THE DESIGN OF CANTILEVERED RETAINING WALL WORK SHALL INCLUDE THE FOLLOWING:
   A. CAST-IN-PLACE CONCRETE RETAINING WALL FOOTINGS, INCLUDING SHEAR KEYS, WHERE REQUIRED.
   B. CAST-IN-PLACE CONCRETE STEM WALLS.
   C. ALL REQUIRED REINFORCING, ACCESSORIES, INSERTS, ETC.
   D. LAYOUT OF FOOTING BEARING ELEVATIONS IN COORDINATION WITH THE CIVIL DRAWINGS.
6. DESIGN CRITERIA:
   A. MINIMUM FACTOR OF SAFETY OVERTURNING: 2.00
   B. MINIMUM FACTOR OF SAFETY SLIDING: 1.50
   C. PROPORTION FOOTING TOE AND HEEL WIDTH DIMENSIONS SUCH THAT THE RESULTANT REACTION FORCE OCCURS WITHIN THE MIDDLE THIRD OF THE TOTAL FOOTING WIDTH.
   D. SLIDING RESISTANCE SHALL BE PROVIDED BY FRICTION ON THE BOTTOM SURFACE OF THE FOOTING, PLUS PASSIVE FORCES APPLIED TO THE FOOTING DEPTH AND SHEAR KEY DEPTH (IF PROVIDED).
   E. VERTICAL COMPONENT OF ACTIVE PRESSURE SHALL NOT BE USED FOR OVERTURNING RESISTANCE.

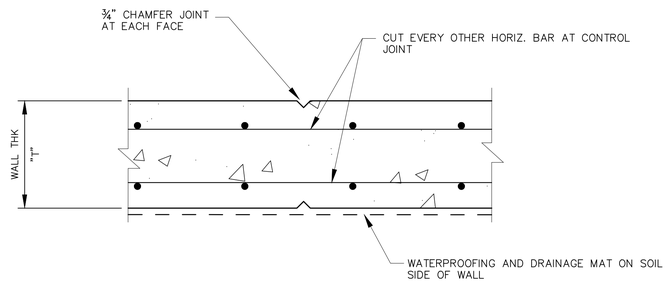
NOTES

1. REFER TO CIVIL DRAWINGS FOR ELEVATIONS AND GRADING INFORMATION.
2. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR GUARDRAIL DETAILS.
3. RETAINING WALLS TO BE BACKFILLED WITH FREE-DRAINING GRANULAR FILL PER GEOTECH REPORT.
4. SHEET WATERPROOFING BASIS OF DESIGN PRODUCT IS POLYGUARD 650 MEMBRANE WITH ASPHALTIC PROTECTION BOARD. PROVIDE REQUIRED PRIMER, MASTIC, LIQUID MEMBRANE, AND TERMINATION BARS PER MANUFACTURER INSTRUCTIONS.
5. FILTER FABRIC BASIS OF DESIGN PRODUCT IS MIRAFI 140N.
6. WALL VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT 15'-0" ON-CENTER MAXIMUM. CONSTRUCTION JOINTS SHALL BE PLACED AT CONTROL JOINT LOCATIONS. REFER TO DETAILS 4 & 5/S1.00.
7. PROVIDE FOOTING STEPS AS INDICATED. REFER TO DETAIL 2/S1.00 FOR TYPICAL FOOTING STEP DETAIL.
8. PROVIDE CORNER REINFORCING WHERE WALLS TURN OR INTERSECT. REFER TO DETAILS 2 AND 3/S1.00 FOR TYPICAL CORNER REINFORCING DETAILS.
9. REFER TO GEOTECHNICAL REPORT FOR BEARING SURFACE REQUIREMENTS. NON-CONFORMING MATERIALS SHALL BE OVER-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL (ON-SITE SOILS, SELECT FILL, OR FLOWABLE FILL).



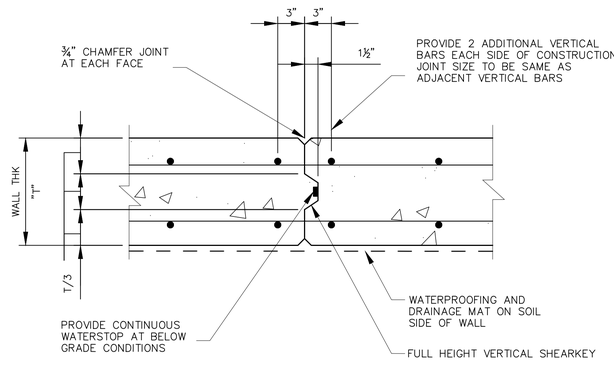
4 S1.00 TYPICAL CORNER REINF. DETAIL

SCALE: 1 1/2" = 1'-0"



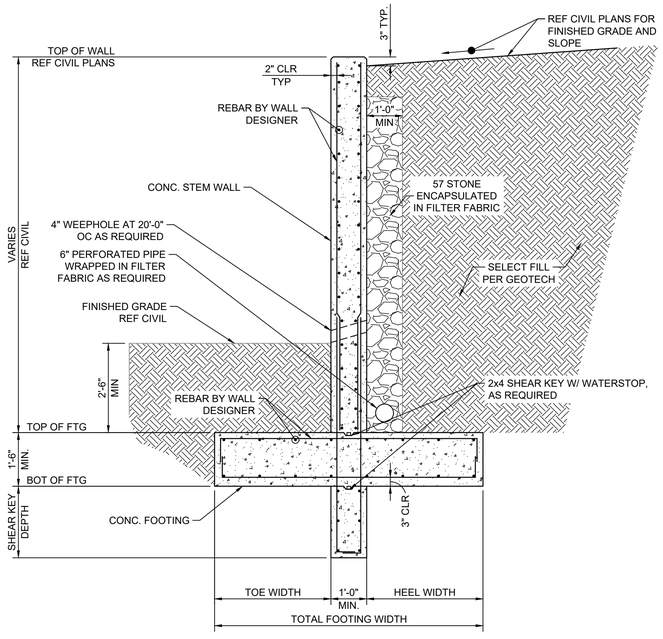
5 S1.00 TYPICAL WALL CONTROL JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



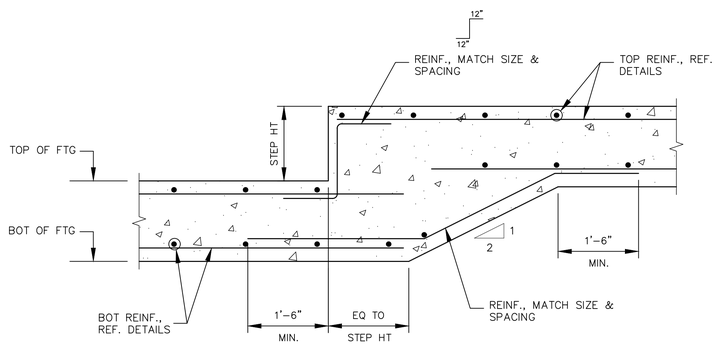
6 S1.00 TYPICAL WALL CONSTRUCTION JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



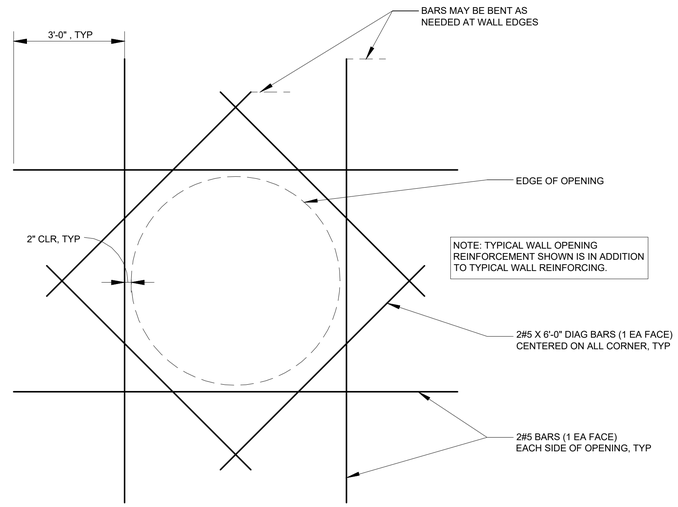
1 S1.00 CANTILEVERED RETAINING WALL DETAIL

SCALE: 1/2" = 1'-0"



2 S1.00 TYPICAL FOOTING STEP DETAIL

SCALE: 3/4" = 1'-0"



3 S1.00 TYPICAL WALL OPENING REINF. DETAIL

SCALE: NTS

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME

HANSON AR SIG.jpg
6:15:22 PM
7/2/2026
HANSON_JEFT_20220815.dwg
MISCELLANEOUS DESIGNS\MOUNTAIN HOME AR WALLS.CTB
7/2/2026 4:25 PM
MOUNTAIN HOME AR WALLS.DWG [S001 (24x36)]

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

STATE OF ARKANSAS
JEFFREY T. HANSON
LICENSED PROFESSIONAL ENGINEER
No. 16326
7-2-2026

KHA PROJECT	064587001
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	JRH
DRAWN BY	HMB
CHECKED BY	JRH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STRUCTURAL DETAILS

SHEET NUMBER
S1.00

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES HANSON AR SIG.jpeg ;
XREFS
LAST SAVED 7/2/2026 4:25 PM
PLOTTED BY KIMLEY-HORN AND ASSOCIATES - MISCELLANEOUS DESIGN\MOUNTAIN HOME AR WALLS.DWG
PLOTTED ON 7/2/2026 11:04 AM
DWG NAME MOUNTAIN HOME AR WALLS.DWG [GS02 (24X36)]

GRAVITY WALL GENERAL NOTES

1. GRAVITY WALLS ARE INTENDED FOR USE AT THIS SITE FOR RETAINED HEIGHTS OF 20 FEET OR GREATER. MODULAR BLOCK WALLS ARE INDICATED IN THESE SPECIFICATIONS; HOWEVER, THE GC AND WALL DESIGNER MAY PROPOSE ALTERNATIVE GRAVITY WALL SYSTEMS TO MEET THE REQUIREMENTS OF THIS SPECIFICATION.
2. A CONCRETE MODULAR WALL WITH A PLAIN CONCRETE FINSH IS THE BASIS OF DESIGN. THE GRAVITY WALL SHALL BE DESIGNED BY THE CONTRACTOR'S SPECIALTY ENGINEER. THE GRAVITY WALL DESIGNER SHALL BE A STRUCTURAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.
3. THE CONTRACTOR AND GRAVITY WALL DESIGNER SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR REVIEW BY THE ENGINEER OF RECORD PRIOR TO FABRICATING OR INSTALLING ANY WALL COMPONENTS.
4. THE GRAVITY WALL DESIGN SHALL BE PER THE BUILDING CODES ADOPTED WITHIN THE PROJECT JURISDICTION AT THE TIME OF CONSTRUCTION.
5. THE CONTRACTOR SHALL ENGAGE A GEOTECHNICAL ENGINEER TO PROVIDE GEOTECHNICAL SOIL PARAMETERS AND SYSTEM RECOMMENDATIONS FOR USE BY THE GRAVITY WALL DESIGNER.

NOTES TO THE CONTRACTOR:

PROVIDE DETAILED DRAWINGS FOR MODULAR BLOCK WALL CONSTRUCTION, FOR REVIEW BY THE ENGINEER OF RECORD, CONTAINING:

1. ELEVATION VIEW WITH REINFORCEMENT PLACEMENT REQUIREMENTS, WALL FACING LAYOUT, AND GEOMETRIC INFORMATION. TOP OF WALL MAY EXTEND UP TO 10" ABOVE PLAN TOP OF WALL ELEVATION.
2. PLAN VIEW WITH BOTTOM AND TOP OF WALL ALIGNMENT, AND PLAN LIMITS OF WALL ALIGNMENT.
3. CROSS SECTIONS DETAILING BATTER, REINFORCEMENT, VERTICAL SPACING, REINFORCEMENT LENGTHS, SUBSURFACE DRAINAGE, SURFACE DRAINAGE, AND WATER RUNOFF COLLECTION ABOVE WALL.
4. NOTE BLOCK: REINFORCEMENT AND FILL PLACEMENT METHODS AND REQUIREMENTS.
5. DETAIL ALL WALL FILL PENETRATIONS AND WALL FACE PENETRATIONS. DETAIL REINFORCEMENT AND WALL FACING UNIT PLACEMENT AROUND PENETRATIONS.
6. DETAILS ARE SPECIFIC TO VENDOR PRODUCTS AND THEIR INTERACTION WITH OTHER PROJECT COMPONENTS.
7. DETAILS OF CAP UNITS AND INSTALLATION INSTRUCTIONS FOR THE CAPS. CAP BLOCKS TO HAVE ARCHITECTURAL TEXTURE ON FRONT, SIDES, AND BACK FACES.
8. CERTIFICATION BY PROFESSIONAL ENGINEER THAT THE CONSTRUCTION LAYOUT MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS.
9. REINFORCEMENT SHALL BE PLACED AS REQUIRED PER THE WALL DESIGN. REINFORCEMENT ELEVATIONS SHALL BE CONSISTENT ALONG THE LENGTH OF THE WALL.

GRAVITY WALL DESIGN CRITERIA

A. THE FILL FRICTION ANGLE IS AS SPECIFIED IN THE GEOTECH REPORT. WALL DESIGNER TO SPECIFY DIFFERENT FILL MATERIAL WITH DIFFERENT FRICTION ANGLE IF REQUIRED.
B. THE LATERAL EARTH PRESSURE COMPUTATION FOR EXTERNAL STABILITY CALCULATIONS USES INTERFACE ANGLE SET EQUAL TO THE RETAINED BACKFILL ANGLE.
C. THE LATERAL EARTH PRESSURE COMPUTATION FOR INTERNAL STABILITY CALCULATIONS INCORPORATES THE EFFECTS OF WALL FACE BATTER.

MINIMUM FACTORS OF SAFETY:

OVERTURNING:	2.0
SLIDING:	1.5
ECCENTRICITY:	e < L/6
DEEP SEATED STABILITY:	1.3

BEARING:

A. USE ALLOWABLE SOIL BEARING PRESSURE AS SPECIFIED IN THE GEOTECHNICAL REPORT. WALL DESIGNER TO SPECIFY ALTERNATE FOUNDATION SOIL PREP AND/OR IMPROVEMENTS IF ADDITIONAL BEARING CAPACITY IS REQUIRED.

WALL BACKFILL CHARACTERISTICS:

A. PROVIDE FREE DRAINING GRANULAR MATERIAL. WALL DESIGNER TO SPECIFY FILL MATERIAL AS REQUIRED PER THE WALL DESIGN.
B. FILL MATERIAL TO BE REVIEWED AND ACCEPTED BY THE GEOTECHNICAL ENGINEER OF RECORD.
C. COHESION (C) = 0

RETAINED BACKFILL CHARACTERISTICS:

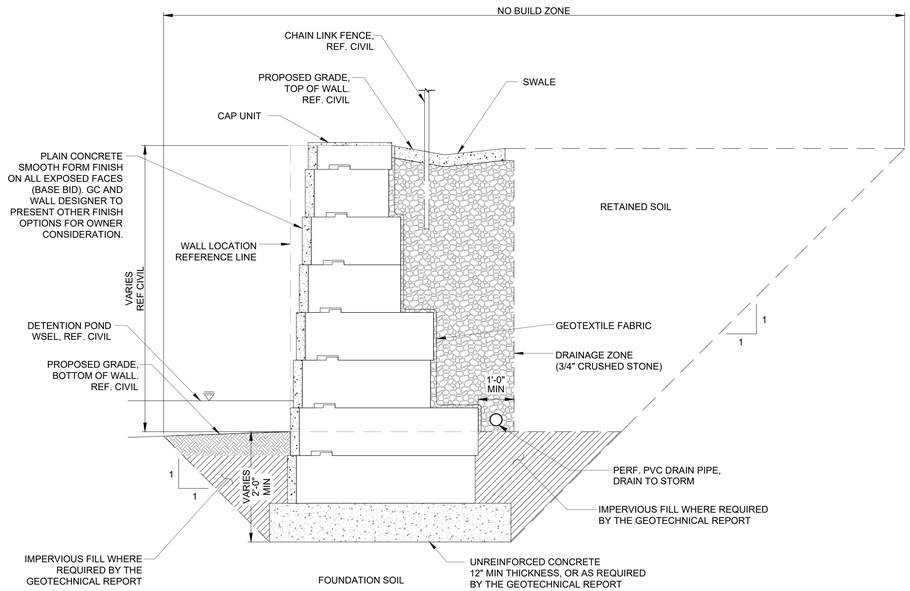
A. REFERENCE GEOTECHNICAL REPORT

FOUNDATION SOIL CHARACTERISTICS:

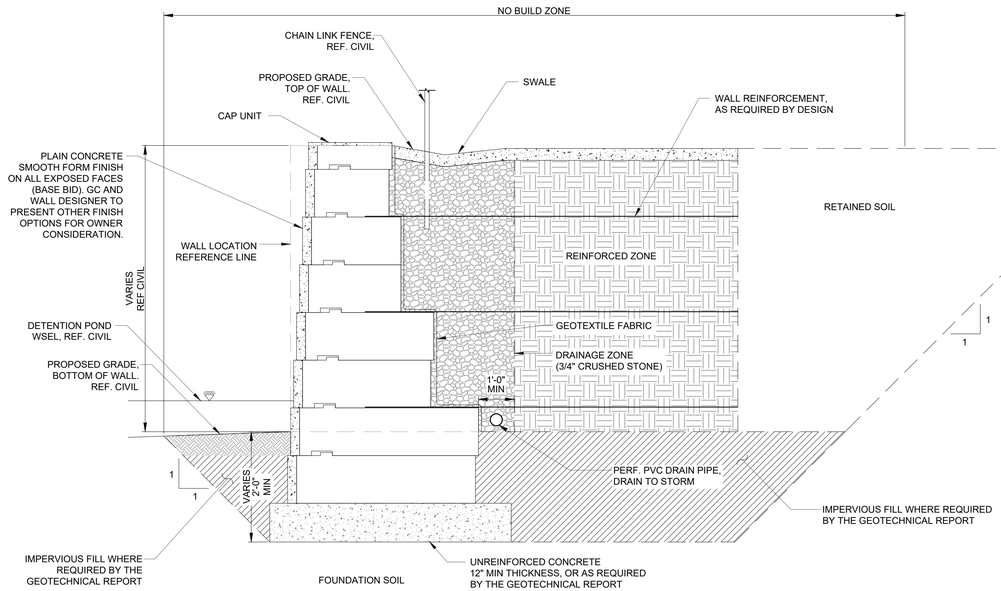
A. REFERENCE GEOTECHNICAL REPORT

NOTES TO THE GRAVITY WALL DESIGNER

1. WHERE THE WALL IS CONSTRUCTED ADJACENT TO A WATERCOURSE, ENSURE THE SETBACK AND EMBEDMENT OF THE WALL FOUNDATION IS SUCH THAT THE WALL WILL NOT BE SUBJECT TO EROSION OR UNDERMINING FROM SCOUR.



1 S1.01 GRAVITY RETAINING WALL - NO REINFORCEMENT
SCALE: 1/2" = 1'-0"



2 S1.01 GRAVITY RETAINING WALL - WITH REINFORCEMENT
SCALE: 1/2" = 1'-0"

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM ARKANSAS REGISTRATION NO. 51
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

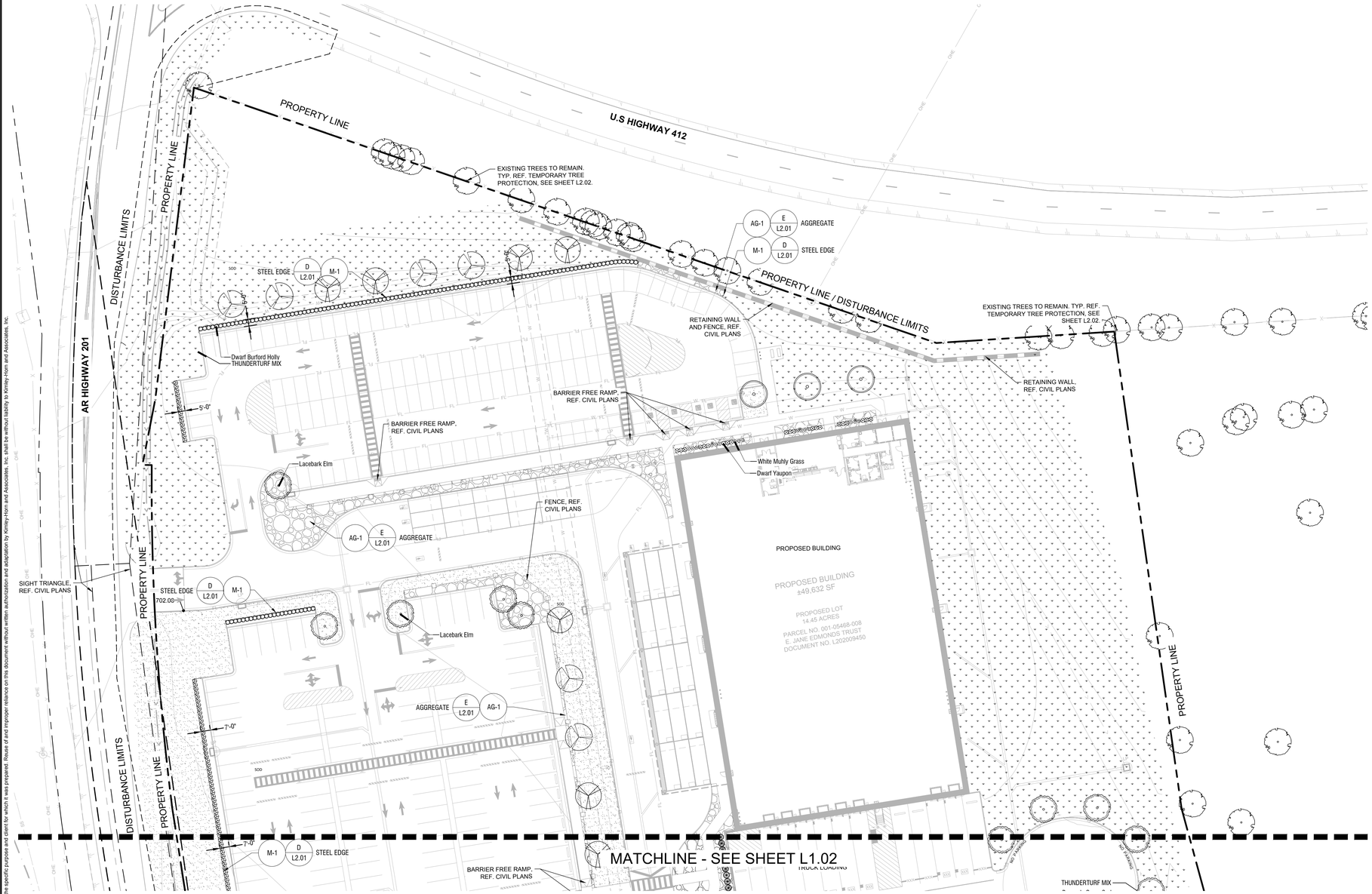
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 16326
JEFFREY R. HANSON
7-2-2026

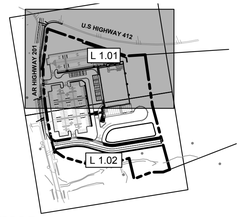
KHA PROJECT 064587901			
DATE JULY 2026	SCALE	AS SHOWN	
	DESIGNED BY	JRH	
	DRAWN BY	HMB	
	CHECKED BY	JRH	

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

STRUCTURAL DETAILS

SHEET NUMBER
S1.01





KEYMAP
NTS

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	Existing Tree
	Lacebark Elm / Ulmus parvifolia
	Live Oak / Quercus virginana
	Norway Maple / Acer platanoides
	Red Maple / Acer rubrum
SHRUBS	
	Dwarf Burford Holly / Illex cornuta 'Dwarf Burford'
	Dwarf Yaupon / Ilex vomitoria `Nana`
	Nellie Stevens Holly / Ilex x `Nellie R Stevens`
	Rose Creek Abelia / Abelia x `Rose Creek`
	White Muhly Grass / Muhlenbergia capillaris `White Cloud`

SYMBOL	COMMON / BOTANICAL NAME
HYDROSEED	
	DRAINFIELD/DAM SLOPE MIX
	THUNDERTURF MIX
SOD	
	Bermuda Grass Sod / Cynodon dactylon

MATERIAL LEGEND:

METALS

M-1 STEEL EDGE

MATERIAL: 3/16" x 4" STEEL PLATE
COLOR: POWDERCOAT BLACK
SIZE: LENGTHS PER PLAN, ALL SEAMS TO BE FLUSH AND LEVEL
INSTALL: REF. DETAILS
APPROVAL: ***CUT SHEET***

AGGREGATES

AG-1 AGGREGATE

TYPE: RAINBOW
SIZE: 2"-4" SIZE
INSTALL: REFER DETAILS
SUPPLIER: OZARK MOUNTAIN STONE, OR APPROVED EQUAL
CONTACT: (870.847.7196)
APPROVAL: ***SAMPLE, MOCKUP***

PLANTING NOTES:

- 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.
- 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.
- 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.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
- 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.
- 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.
- LANDSCAPE CONTRACTOR TO PROVIDE STEEL EDGING (REFER THIS PAGE) BETWEEN ALL PLANTING BEDS AND LAWN AREAS.
- 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.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
- ALL NEW PLANTING AREAS TO BE AMENDED PER SPECIFICATIONS.
- ANY PLANT MATERIAL THAT DOES NOT SURVIVE SHALL BE REPLACED WITH AN EQUIVALENT SIZE AND SPECIES WITHIN THIRTY (30) DAYS.
- 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.
- LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH, WEEDS, DEBRIS, AND DEAD PLANT MATERIAL.
- 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.
- **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.**
- CONTRACTOR TO PROVIDE 12 MONTH WARRANTY AND MAINTENANCE AFTER ALL CONSTRUCTION IS COMPLETE
- 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.
- **PLANT MATERIAL SHOULD BE SOURCED AND GROWN AT A NURSERY WITHIN 500 MILES OF THE SITE TO THE GREATEST EXTENT FEASIBLE.**

TRAMMELL CROW WYL1
MOUNTAIN HOME, AR
Landscape Calculations Chart

Site Data	**SF**	**ACRES**
Total Site Area	629,482	14.45
Total Parking	297	
Provided Trees	10	

STRUCTURE LANDSCAPING REQUIREMENTS	**Required**	**Provided**
Landscape min. 3 FT wide along the front of each building and on the two (2) sides.	Yes	Yes
Landscape area to include landscape features in addition to grass and other groundcovers	Yes	Yes
SITE PERIMETER REQUIREMENTS	**Required**	**Provided**
Landscape required along the perimeter of each site to provide a buffer for adjacent uses and screened to provide an attractive view from the street.	Yes	Yes
Screening measures such as hedgerows, trees, or other landscape features will ensure parking areas and cars are not the dominant visual element and prevent light trespass or glare into surrounding residential property or rights-of-ways.	Yes	Yes
STREET FRONTAGES	**Required**	**Provided**
1 Tree / 20 FT of property line abutting any AR Highway 201	No	No
1 Tree / 20 FT of property line abutting South Public Road 618 LF / 20 = 31 Trees **Excluding Driveways and Sight Visibility Triangles	Yes 31	Yes 31
Up to 25% of these plantings may be grouped where desire Shrubs are to be evergreen and at least 20 IN tall at time of planting	Yes	Yes
INTERIOR PROPERTY LINES	**Required**	**Provided**
A perimeter landscape strip at least 5 FT in width shall be provided along all property lines adjoining nonresidential areas	Yes	Yes

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM TX F-928
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer ANNE HARMAN
PLA No. 712028 Date 07/09/2026

KHA PROJECT	064587901
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	AMH
DRAWN BY	AEA
CHECKED BY	AMH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

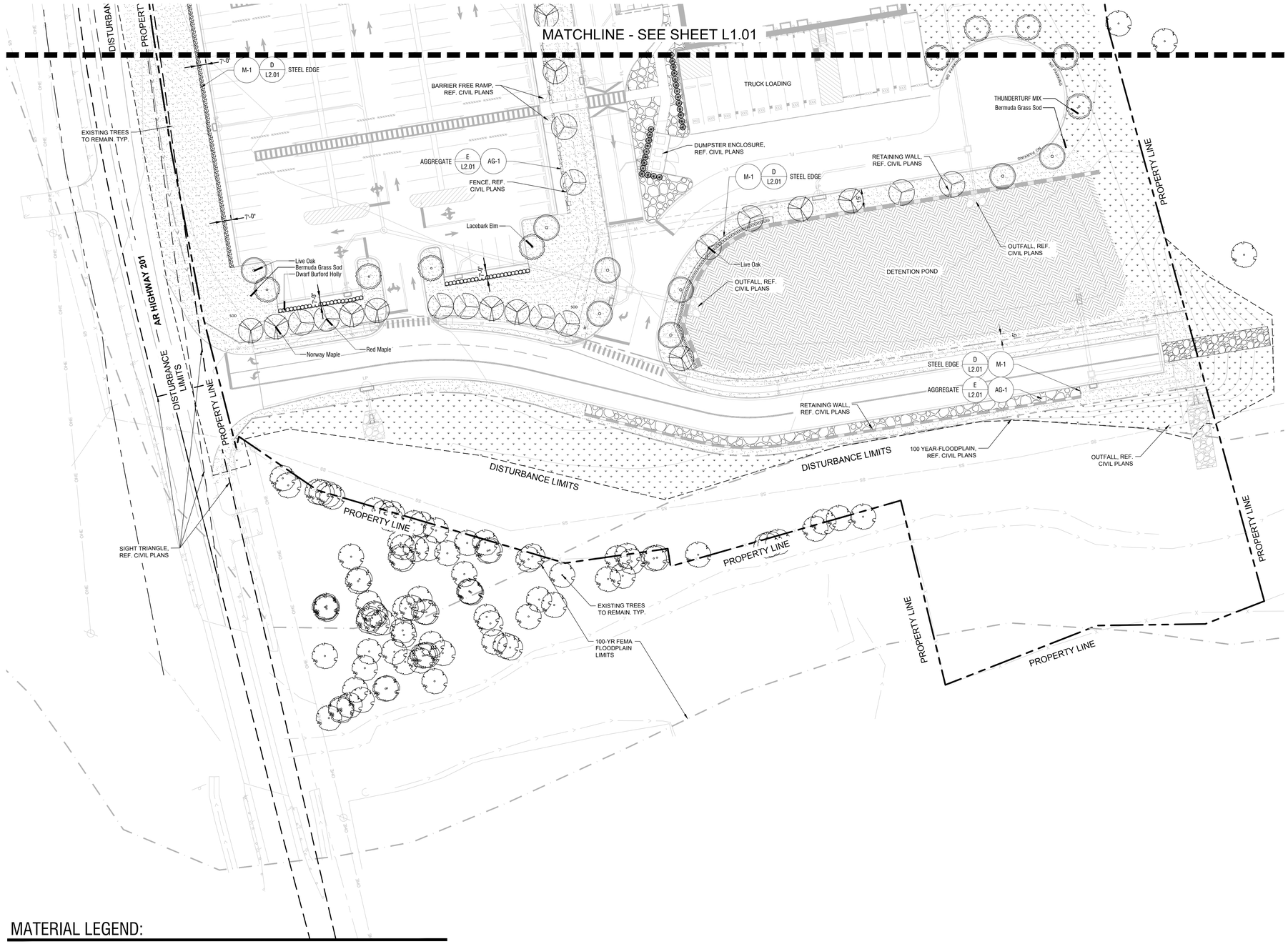
LANDSCAPE PLAN

SHEET NUMBER
L1.01

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
PLOTTED BY
XREFS
DWG NAME

xDim xDyn xGdi xTB_LA xSite xPlan xSurvTree xBuilEQ xBuiPG xLeni xExisting xFootplan xLDO xSignTriangles xKeymap xPaving xStorm xROW
7/9/2026 8:23 PM
ALFARO, ANDREA
C:\Users\andrea.alfaro\Kimley-Horn\TRAMMELL CROW WYL1 - MOUNTAIN HOME, AR - 064587901\CAD\PLANSHEETS\LANDSCAPE PLAN.DWG 1:1 (1:1) LANDSCAPE PLAN



MATERIAL LEGEND:

METALS

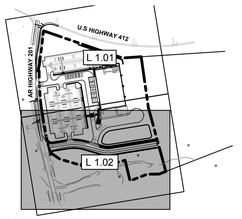
M-1 — STEEL EDGE

MATERIAL:	3/16" x 4" STEEL PLATE
COLOR:	POWDERCOAT BLACK
SIZE:	LENGTHS PER PLAN, ALL SEAMS TO BE FLUSH AND LEVEL
INSTALL:	REF. DETAILS
APPROVAL:	***CUT SHEET***

AGGREGATES

AG-1 — AGGREGATE

TYPE:	RAINBOW
SIZE:	2"-4" SIZE
INSTALL:	REFER DETAILS
SUPPLIER:	OZARK MOUNTAIN STONE, OR APPROVED EQUAL
CONTACT:	(870.847.7196)
APPROVAL:	***SAMPLE, MOCKUP***



KEYMAP
NTS

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	Existing Tree
	Lacebark Elm / Ulmus parvifolia
	Live Oak / Quercus virginana
	Norway Maple / Acer platanoides
	Red Maple / Acer rubrum
SHRUBS	
	Dwarf Burford Holly / Illex cornuta 'Dwarf Burford'
	Dwarf Yaupon / Ilex vomitoria `Nana`
	Nellie Stevens Holly / Ilex x `Nellie R Stevens`
	Rose Creek Abelia / Abelia x ``Rose Creek``
	White Muhly Grass / Muhlenbergia capillaris `White Cloud`

SYMBOL	COMMON / BOTANICAL NAME
HYDROSEED	
	DRAINFIELD/DAM SLOPE MIX
	THUNDERTURF MIX
SOD	
	Bermuda Grass Sod / Cynodon dactylon

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM TX F-928
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer ANNE HARMAN
PLA No. 712028 Date 07/09/2026

KHA PROJECT	064587901
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	AMH
DRAWN BY	AEA
CHECKED BY	AMH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

LANDSCAPE PLAN

SHEET NUMBER
L1.02

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
xRefs
LAST SAVED
PLOTTED BY
PLOTTED
DWG NAME
xDim xDoc xAR xTB-LA xSite xPlant xDevTree xSurfEQ xSurfEq xEarth xExisting xFloodplain xLOD xSignTriangles xKeymap xPaving xStorm xROW
7/9/2026 5:01 PM
ALFARO, ANDREA [ADMIN]
C:\USERS\ANDREA.ALFARO\DESKTOP\TEMP\TC_CROW WIP\L1A_DESIGN\CAD\PLANSHEETS
LANDSCAPE PLAN.DWG [L1.02 LANDSCAPE PLAN]

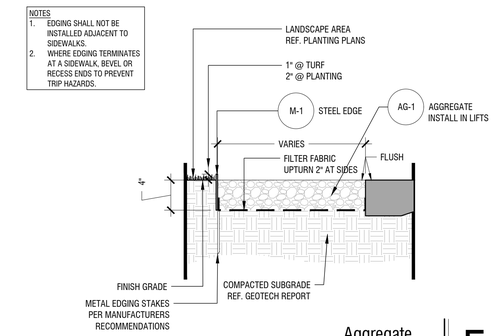
PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
TREES						
	Existing Tree	Existing			145	EXISTING TREE TO REMAIN, TYP.
	Lacebark Elm / Ulmus parvifolia	4" cal	12`-14` ht	As Shown	14	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 8` CLE AT SIDEWALKS, 14` CLEAR AT FIRELANE
	Live Oak / Quercus virginana	4" cal	12`-14` ht	As Shown	11	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 8` CLE AT SIDEWALKS, 14` CLEAR AT FIRELANE
	Norway Maple / Acer platanoides	4" cal	12`-14` ht	As Shown	16	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 8` CLE AT SIDEWALKS, 14` CLEAR AT FIRELANE
	Red Maple / Acer rubrum	4" cal	12`-14` ht	As Shown	18	B&B, NURSERY GROWN, MATCHED, FULL, WELL-BRANCHED, STRONG CENTRAL LEADER, 8` CLE AT SIDEWALKS, 14` CLEAR AT FIRELANE
SHRUBS						
	Dwarf Burford Holly / Illex cornuta 'Dwarf Burford'	3 gal	24" h x 24" w	36" OC	179	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	Dwarf Yaupon / Ilex vomitoria `Nana`	3 gal	24" h x 24" w	36" OC	21	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	Nellie Stevens Holly / Ilex x `Nellie R Stevens`	15 gal	4` ht min.	60" OC	25	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	Rose Creek Abelia / Abelia x `Rose Creek`	3 gal	24" h x 24" w	36" OC	112	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED
	White Muhly Grass / Muhlenbergia capillaris `White Cloud`	3 gal	24" h x 18" w	30" OC	79	CONTAINER, NURSERY GROWN, MATCHED AND WELL ROOTED

SYMBOL	COMMON / BOTANICAL NAME	CONT.	SIZE	SPACING	QTY	REMARKS
HYDROSEED						
	DRAINFIELD/DAM SLOPE MIX	HYDROSEED			35,657 sf	BOTTOM BASIN TO BE DRAINFIELD MIX ITEM#2861, SLOPES TO BE DAM SLOPE MIX ITEM#2808, NATIVE AMERICAN SEED OR APPROVED EQUAL. 18 LBS PER ACRE, OVER SEED WITH ANNUAL RYEGRASS. ITEM#2863 NATIVE AMERICAN SEED, OR APPROVED

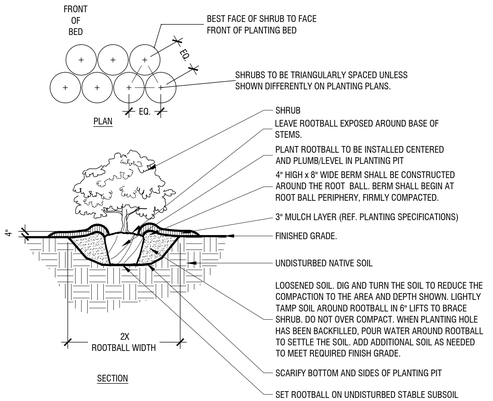
NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

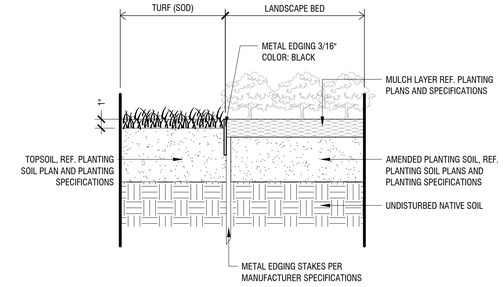
NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.



Aggregate E

Scale: 1" = 1'-0"



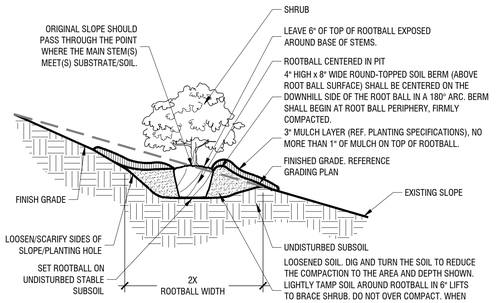


Metal Edgeing (@ Turf & Landscape Bed) D

Scale: 1 1/2" = 1'-0"

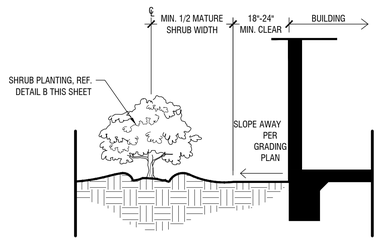
Typical Shrub Planting B

Scale: NTS



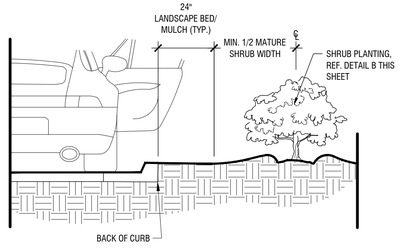
Shrub Planting On 5-50% (20:1 TO 2:1) Slope H

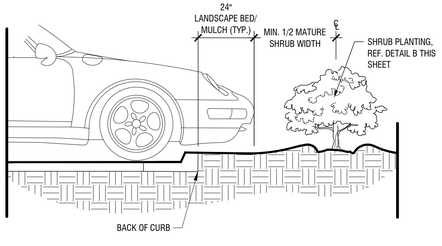
Scale: NTS



Shrub Planting at Building Edge G

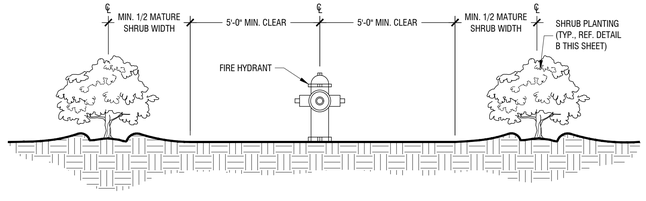
Scale: NTS





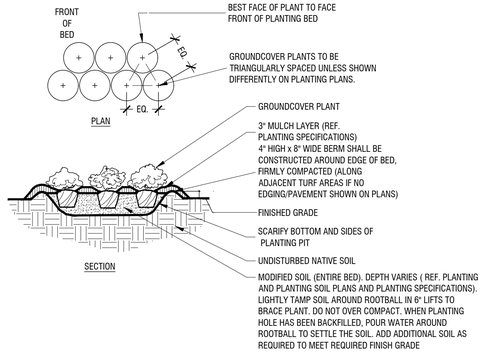
Shrub Planting at Curb C

Scale: NTS



Shrub Planting at Fire Hydrant F

Scale: NTS



Typical Groundcover Planting A

Scale: NTS

IMAGES
XREF'S
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME
ITB_LA_-_Plant Planting details + ditsm + eROW
7/9/2026 3:35 PM
ALFARO, ANDREA 7/9/2026 3:33 PM
K:\MTH_Mountain Home Industrial - TRAMMELL CROW\XV\L14_DESIGN\CAD\PLANSHEETS LANDSCAPE DETAILS (SW) - (L2.01 LANDSCAPE DETAILS).dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM TX F-928
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

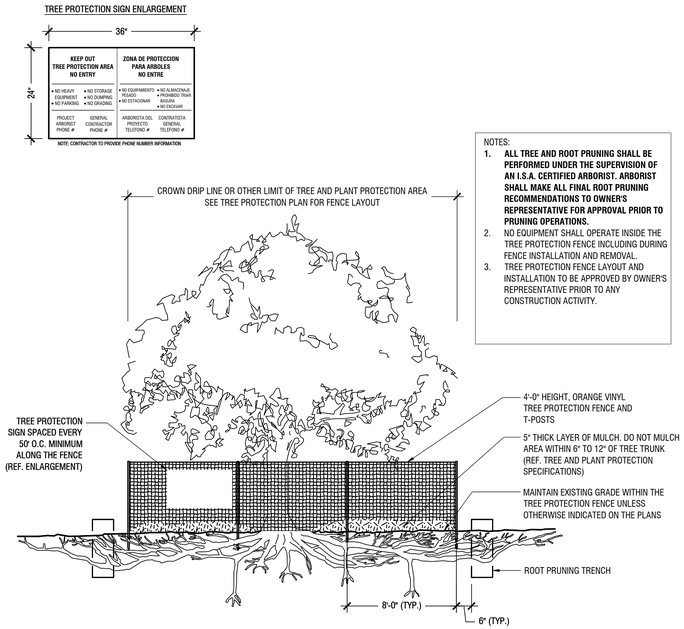
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer ANNE HARMAN
PLA No. 712028 Date 07/09/2026

KHA PROJECT	064587901
DATE	JULY 2026
SCALE	AS SHOWN
DESIGNED BY	AMH
DRAWN BY	AEA
CHECKED BY	AMH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
ARKANSAS
BAXTER COUNTY

LANDSCAPE DETAILS

SHEET NUMBER
L2.01

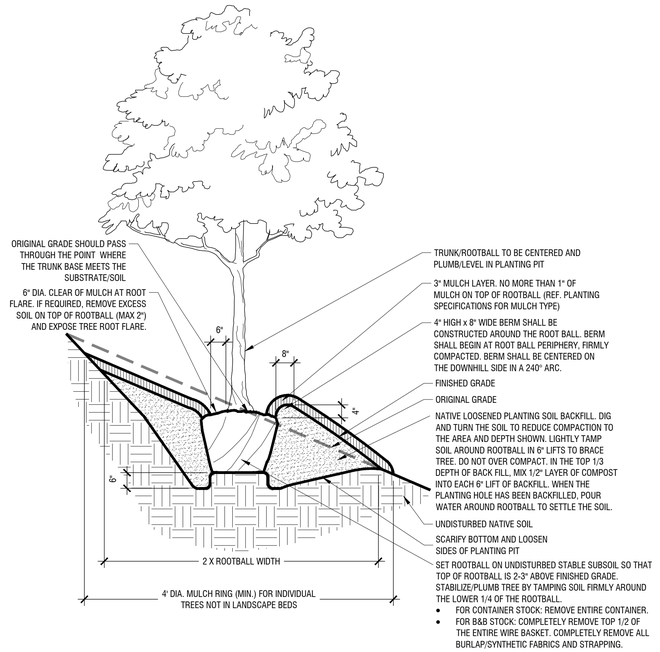


NOTES:
1. **ALL TREE AND ROOT PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN I.S.A. CERTIFIED ARBORIST. ARBORIST SHALL MAKE ALL FINAL ROOT PRUNING RECOMMENDATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PRUNING OPERATIONS.**
2. NO EQUIPMENT SHALL OPERATE INSIDE THE TREE PROTECTION FENCE INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
3. TREE PROTECTION FENCE LAYOUT AND INSTALLATION TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO ANY CONSTRUCTION ACTIVITY.

TYPICAL TREE PROTECTION FENCING

Scale: NTS

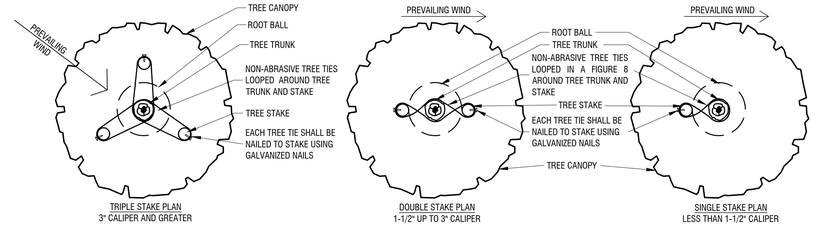
E



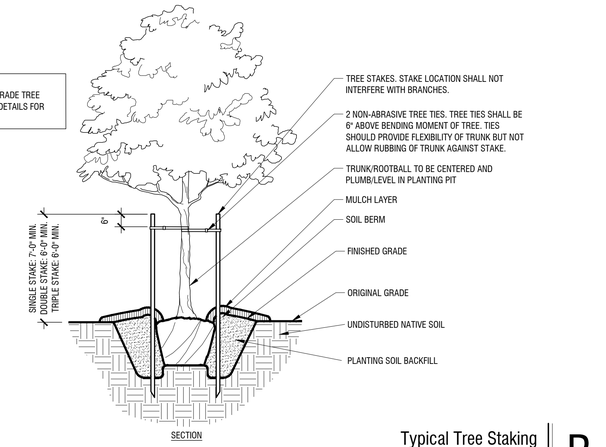
Tree Planting On 5-25% Slopes (20:1 to 4:1 Slopes)

Scale: NTS

D



NOTES:
1. THIS DETAIL IS FOR ABOVE GRADE TREE STAKING ONLY. REF. OTHER DETAILS FOR TYPICAL TREE PLANTING.

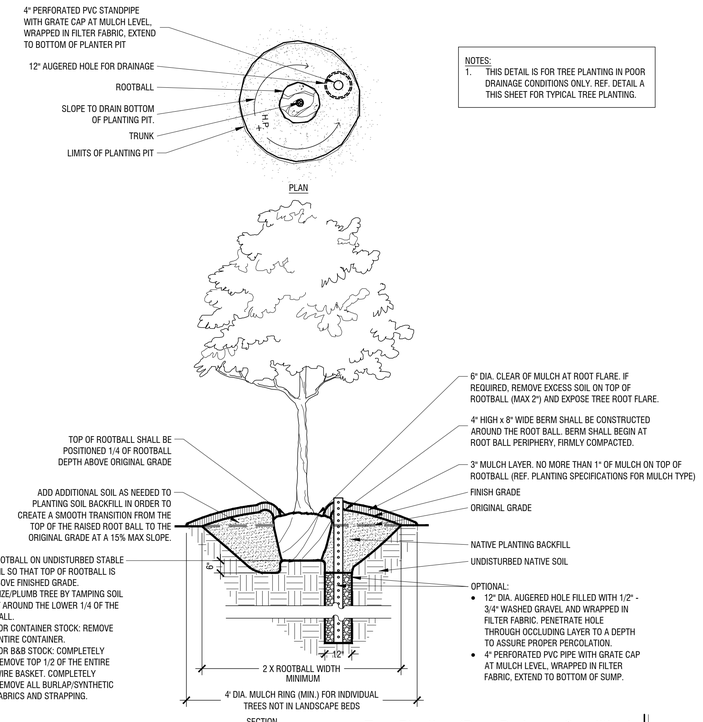


SECTION

Typical Tree Staking

Scale: NTS

B

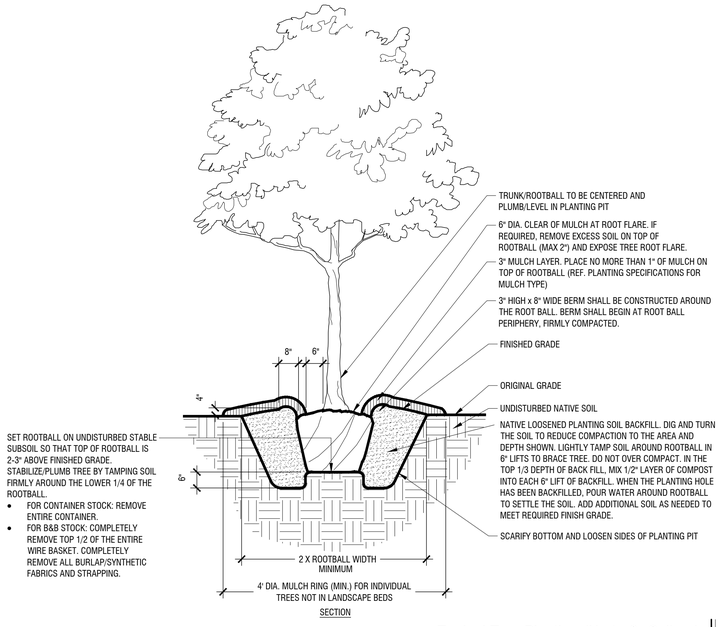


NOTES:
1. THIS DETAIL IS FOR TREE PLANTING IN POOR DRAINAGE CONDITIONS ONLY. REF. DETAIL A THIS SHEET FOR TYPICAL TREE PLANTING.

Tree Planting (Poor Drainage Condition)

Scale: NTS

C



SECTION

Typical Tree Planting (Up to 3" Caliper)

Scale: NTS

A

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM TX F-928
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer ANNE HARMAN
PLA No. 712028 Date 07/09/2026

KHA PROJECT 064587901
DATE JULY 2026
SCALE AS SHOWN
DESIGNED BY AMH
DRAWN BY AEA
CHECKED BY AMH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

LANDSCAPE DETAILS

SHEET NUMBER
L2.02

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
LAST SAVED
LAST PLOTTED
PLOTTED BY
DWG NAME

YB:1a, yPlan Planting details v3brm r4RW
7/8/2026 3:57 PM
AUTODESK INSTRUCTOR (Preview)
ALFARO, ANDREA 760358.5.ER.PM
C:\Users\andrea.alfaro\Kimley-Horn\MOUNTAIN HOME, CROW WY\104_DESIGN\CAD\PLANSHEETS\LANDSCAPE DETAILS.DWG - L2.02 LANDSCAPE DETAILS

329310 - PLANTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Furnish all labor, material, equipment, related services and supervision necessary for or incidental to the installation of the trees and plants as shown or indicated on the Drawings and/or as specified.

B. Work Included:

1. Trees.
2. Mulching.
3. Bed Preparation.

1.2 REFERENCE STANDARDS

A. American Standard for Nursery Stock, Edition approved May 2, 1986 by American National Standards Institute, Inc. - plant material.

1.3 SUBMITTALS

A. Delivery Receipts and Invoices: Submit original delivery receipts and invoices for materials used.

B. Product Data: Submit manufacturer's product data sheets for proprietary products

C. Samples:

1. Submit photos of trees and source nursery information to the Landscape Architect for review prior to tree tagging.
2. Submit for approval sufficient representative quantities of sandy loam, composted organic material, steel edging, mulch, peat moss and crushed rock. Samples shall be approved by the Landscape Architect before use on project.

D. Soil Fertility Test Reports:

1. Submit analysis, test results and corrective recommendations to Landscape Architect.
2. Two tests required of existing soil taken at different locations on the project site as directed by the Landscape Architect.
3. One test required of the specified composted organic material mixed in equal parts with the existing topsoil.

1.4 DELIVERY, STORAGE AND HANDLING

A. Deliver packaged materials in containers showing weight, analysis and name of manufacturer.

B. Protect materials from deterioration during delivery and while stored at the site.

1.5 PROJECT CONDITIONS

A. Site Inspection:

1. It is the bidding contractors' responsibility to review all site conditions, as they relate to the proposed project, prior to submission of a bid. Any issues or concerns will be submitted to the Landscape Architect prior to bidding. Submission of a bid will indicate that the bidding contractor has made a site inspection.

B. Utilities:

1. Determine locations of underground utilities and perform work in a manner which will avoid possible damage. Do not permit heavy equipment such as trucks to damage utilities. Hand excavate, as required to minimize possibility of damage to underground utilities. Maintain grade stakes until removal is directed.
2. Coordinate with irrigation work to prevent damage to temporary risers of underground sprinkling system and obstruction of work located in landscape areas.

C. Protections:

1. Do not move equipment over existing or newly placed structures without the Landscape Architect's approval.
2. Provide board roading as required to protect paving and soft soil.
3. Protect other improvements from damage, with protection boards, ramps and protective sheeting as required.
4. Locate and stake irrigation heads, valve risers and equipment prior to beginning soil preparation work.
5. During work and maintenance period, maintain topsoil and prepared soil in place at established grades. Replace topsoil, prepared soil and mulch due to erosion.

D. Delivery and Storage:

1. Store materials in area covered with protective sheeting.
2. If balled plants cannot be planted within 24 hours after delivery to site, protect root balls by heeling in with sawdust or other approved material.

1.6 SUBSTANTIAL COMPLETION & PROJECT CLOSEOUT

A. A Certificate of Substantial Completion will be issued when the Work performed under the Contract has been reviewed and found, to the Landscape Architect's best knowledge, information and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion thereof is also the date of commencement of applicable guarantees as specified.

B. A list of items to be completed or corrected will be attached to the Certificate of Substantial Completion. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

C. The Contractor will complete or correct the Work on the list of items within a specific number of days as shown on the Certificate of Substantial Completion.

D. Upon completion and re-inspection of all corrected items listed, the Landscape Architect will recommend to the Owner that the work of this Section is ready for final acceptance.

1.7 QUALITY ASSURANCE

A. General: Comply with applicable Federal, state, county and local regulations governing landscape materials and work.

B. Installer Qualifications: The bidding company will specialize in landscape installation with 5 years documented experience. The contractor will staff the project with a competent superintendent and the necessary assistants as approved by the Landscape Architect. The superintendent will not be changed except with the consent of the Landscape Architect and Owner. The superintendent must have a minimum 5 years' experience with similar projects.

C. Personnel: Employ only experience personnel who are familiar with the required work. Provide adequate supervision by a qualified foreman.

1.8 GUARANTEE

A. Guarantee plants and trees for one year after date of Final Acceptance. Replace dead materials and materials not in vigorous, thriving condition as soon as weather permits and on notification by the Landscape Architect. Replace plants, including trees, which have partially died thereby damaging shape, size or symmetry.

B. Replace plants and trees with same kind and sizes as originally planted, at no cost to the Owner. At direction of the Landscape Architect, trees may be replaced at start of next year's planting or digging season. In such cases, remove dead trees immediately. Protect irrigation system and other piping, conduit or other work during replacement. Repair damage immediately.

1.9 PROGRESS MEETINGS

A. Contractor shall attend all progress meetings as requested by the Landscape Architect/Owner during installation.

1.10 QUANTITY VERIFICATION

A. The bidding contractor is responsible for the inclusion of all materials, labor, and equipment as outlined in the plans and specification. The plant list is provided to the bidding contractor as a convenience and the quantities are approximate.

B. VERIFICATION OF ALL QUANTITIES IS THE SOLE RESPONSIBILITY OF THE BIDDING CONTRACTOR. Any discrepancies must be reported to the Landscape Architect prior to submittal of bid.

C. The Contractor is required to install the specified type and quantity of composted organic material purchased from the specified supplier. Soil Building Systems will e-mail the Landscape Architect, as orders are being placed, for verification that the specified material, quantity and supplier are being used.

PART 2 - PRODUCTS

2.1 PLANTS

A. General: Plants shall be well-formed No. 1 grade or better nursery stock in accordance with requirements of reference standards, subject to the Landscape Architect's approval. Listed plant heights are from tops of plant balls to the nominal tops of plants.

B. Caliper: Trees 4 inches and less are measured 6 inches above top of root ball.

C. Trees connected to stakes at the nursery are not acceptable and will be rejected.

2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam: Fertile, dark sandy loam free of rubble, stones, lumps, plant roots and reasonably free of weeds. Loam containing nut grass or Dallisgrass shall be rejected.

B. Commercial Fertilizer: Complete fertilizer, uniform in composition, dry and free flowing. Deliver to site in original unopened containers, each bearing manufacturer's guaranteed statement of analysis. Lesco 14-14-14 landscape and ornamental fertilizer with micronutrients.

C. Composted Organic Material: Soil Building Systems -or- The Organic Recycler ' Ph Balanced' Compost with a ph of 5.5 to 6.5 and shall be free of treated or used lumber, pine bark or mushroom compost waste. 97% Of the material shall pass through a .5 inch screen and 100% shall pass through a .75 inch screen.

2.3 MISCELLANEOUS MATERIALS

A. Crushed Rock: Washed .75 inch to 1.5 inches in diameter.

B. Tree Staking: Arborguy @ (866) 272-6771,

1. Trees up to 4 inch caliper - Arborguy PR040HD.
2. Mulch: As noted per plans.

C. Filter Fabric: Mirafi 140N by Celanese Fibers Marketing Co. or equal.

D. Fertilizer Tablets: BioPlex Planting Tablets, 15 gram, 12-8-8. BioPlex @ 1-800-441-3573

E. 4 inch PVC pipe and cap CUA 55 200.

F. Technical Concentrate and Plant Enhancer: BioPlex @ 1-800-441-3573 Pre-Emergent Herbicide: Barracade or Pre-M.

329310 - PLANTS (CONT.)

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

A. Examine sub-grade and other related construction for defects that adversely affect Work.

B. Do not proceed until unsatisfactory conditions have been corrected.

C. Plant trees during normal seasons for such work in the project location and only when weather conditions are suitable.

D. Plant trees after final grades are established and prior to planting of lawns.

E. Additional soil amendments may be required per soil test results.

3.2 BED PREPARATION

A. When grassy or broadleaf weeds are present, spray with Roundup, a non-selective systemic herbicide, for 100% control. When Nut Sedge is present, spray with Manage, a selective post emergent herbicide, for 100% control. Application of post emergent herbicides is to be performed by a licensed applicator.

B. Layout and stake beds for the Landscape Architect's approval prior to installation of steel edging and planting.

C. Excavate existing soil from beds as needed to allow for installation of the specified organic compost and mulch. Excavated materials will be removed from the site as required by the Landscape Architect and Owner.

D. IMPORTANT: Provide 4 inches of composted organic material in shrub and groundcover beds.

E. Till to a depth of 8 inches.

F. Add commercial fertilizer at 7 pounds per 1,000 square feet of bed area and apply prior to application of mulch.

G. The fertilizer type and rate specified herein is applicable unless countermanded by the soil fertility test corrective recommendations, in which case they will be applicable.

H. Grade beds to allow for free flow of surface water to the bed edge and away from buildings. Beds will be mounded 2 inches to 3 inches and tapered at the edges to meet existing grade.

3.4 PLANTING

A. Trees

1. Plant trees in pits 3 times greater in diameter than root ball. Top 1/3 of backfill will be 20% compost mixed with 80% native soil. Bottom 2/3 of backfill will be 100% native soil. Carefully settle by watering to prevent air pockets.
2. Add fertilizer tablets at the rate of four (4) per 1 inch caliper for trees. Follow label directions for placement of tablets.
3. Carefully prune trees to remove dead and broken branches.
4. Place root ball in the center of the hole. Do not handle tree by the trunk to place in hole. Scarify and roughen sides of hole where glazed by mechanical excavation.
5. Make sure the root flare is 2 inches higher than the adjacent soil elevation. The top of the terminal roots at the outer edge of the root ball should be even with or slightly higher than the adjacent soil elevation. Set root ball on undisturbed soil.

3.5 SUMMER DIGGING & TRANSPLANTING

B. To minimize transplant shock, plant decline, defoliation or loss to all balled and burlaped plants.

1. Apply Technical Concentrate and Plant Enhancer to plants 24 to 96 hours prior to digging or transplanting.
2. Apply with both a foliar and root drench at identical dilutions of 1.0 fl. oz. (low stress conditions) to 3.0 fl. oz. (high stress conditions) per inch of trunk diameter or each 24 inches of plant height. Mix into 5 to 10 gallons of water for each 1 inch of trunk diameter and 24 inches of plant height.
3. Re-apply in 15 to 30 days or sooner if extreme environmental stress requires Re-apply at either a rate of 1 to 3 fl. oz. per inch of trunk diameter or 5 to 7 fl. oz. per 5 to 10 gallons of water.

3.6 TREE SUMPS

A. Perform percolation test for each tree pit and install sump detail only when satisfactory drainage does not occur within 24 hours.

B. Excavate sump pit to a minimum depth of 4 feet 6 inches below bottom of root ball and a minimum of 12 inch diameter.

C. Install 4 inch diameter PVC pipe and cap. The portion of pipe in crushed rock is to be perforated.

D. Place crushed rock per tree planting detail.

E. Place filter fabric over top of crushed rock and 12 inches up side of tree pit.

F. Paint PVC cap, color to be selected. Drill 5/8 inch diameter hole in top of cap.

3.7 STAKING TREES

A. Stake trees immediately after planting as shown on planting details.

B. All container grown and containerized trees will be staked per the tree planting detail.

C. All balled and burlap trees are not required to be staked but maybe guyed with the Landscape Architects approval.

D. It will be the Landscape Contractor's responsibility to maintain trees in a plumb position through the warranty period whether they are guyed or not.

3.8 MULCHING

A. After planting has been completed and approved by Landscape Architect, cover all bare soil around plants. The depth shall vary depending on the plants being mulched. Large plants will receive a 3 inch depth and plants in 4 inch pots and smaller will receive a 1 inch depth. At no time will mulch come in contact with the stems of plants. Delay mulching in shrub beds until after application of pre-emergent herbicide and near substantial completion of the project.

3.9 CLEANUP

A. During work, keep premises neat and orderly including organization of storage areas. Trash, including debris resulting from removing weeds or rocks from planting areas, preparing beds, or planting plants, shall be removed from site daily as work progresses.

B. Keep sidewalks, streets and courtyard areas clean by sweeping or hosing.

3.10 MAINTENANCE

A. Water will be provided by the Owner. Provide necessary hoses and other watering equipment required to complete work.

B. Until Final Acceptance, maintain plantings and trees by watering, cultivating, weeding, spraying, cleaning and replacing as necessary to keep the landscape in a vigorous, healthy condition and rake bed areas as required.

C. Follow landscape maintenance procedures outlined in Specifications Section 329510 - Planting Maintenance.

3.11 PLANT SCHEDULE

A. Refer to schedule on drawings.

END OF SECTION

329200 - TURF AND GRASSES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Soil Preparation.
2. Sod.
3. Seed.
4. Hydro-mulch.
5. Temporary Irrigation.

1.2 DEFINITIONS

A. Finish Grade: Elevation of finished surface of planting soil.

B. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.

C. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill immediately beneath planting soil.

D. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.

1.3 SUBMITTALS

A. Any deviation from this specification and drawings must be approved in writing by the Owner via submittal.

1.Certification of seed source.
2.Certification of sod source.
3.Soil Test Results.

1.4 QUALITY ASSURANCE

A. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when planting is in progress.

B. Topsoil Analysis: Contractor shall furnish soil analysis from (2) locations of stockpiled existing topsoil to be re-used on site. If imported topsoil is proposed, a soil analysis shall be provided from the source material as well. Test shall be performed by a qualified soil-testing laboratory, such as the Texas A&M Extension service.

1. Test Type: Report suitability of topsoil for Turf Grass. State recommended quantities on nitrogen, phosphorous, and potash nutrients and soil amendments to be added to produce satisfactory topsoil.

1.5 MAINTENANCE SERVICE

A. Initial Lawn Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until acceptable lawn is established, but for not less than the following periods:

1. Sodded Lawns: 30 days from date of Substantial Completion.
2. Seeded Lawns: 40 days from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOD

A. Sod per the planting schedule.

2.2 SEED

A. Seed per the planting schedule.

2.3 HYDRO-MULCH CAP

A. Pro Matrix by Profile, or approved equal. Application rate per. manuf.

2.4 TOPSOIL

A.Topsoil: On site soil, stripped prior to mass grading, or imported meeting criteria herein.

1. Clean surface soil of roots, plants, sod, stones, clay lumps, and other extraneous materials harmful to plant growth. If stripped topsoil is insufficient in quantity or quality, the contractor shall import, at no additional expense, sufficient soils to bring the site grades to the required elevations.
2. 2" minimum profile for all areas to receive seed.

2.5 COMPOST

A. Compost: well-composted, stable, and weed-free organic matter, ph range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through1-inch sieve; soluble salt content of 5 to 10 decisiemens/m. Kelley Thomas Landscape Nursery or approved equal.

PART 3 - EXECUTION

3.1 LAWN PREPARATION

A. Newly Graded Topsoil: Finish grade by removing stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

B. Sod Areas: Apply fertilizer in recommended rates from soil test, then till into 3" existing soil to prepare turf areas.

C. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.

D. Moisten prepared lawn areas before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

E. Before planting, restore areas if eroded or otherwise disturbed after finish grading.

3.2 SOD INSTALLATION

A. Sod: Roll sod over the areas identified on the plans with staggered joints. Use a manual roller drum following first watering. Use fine sand to fill joints and re-roll after the first week of watering. Any settling in areas of trenches, or other areas will not be accepted until a smooth, evenly draining slope is obtained.

3.3 SEED INSTALLATION

A. Seeding in large open areas: Contractor shall seed at the rates per seed manufacturer.

B. Hydro-Mulch Cap: Apply over seed installed per 2.3.

C. Seeding in reinforced Channel Areas (Areas 3:1 or greater):

1. Surface broadcast, cultipack or drill seed 50% of the specified seed mix in the reinforced area.
2. Install the Enkamat, or approved equal, per manufacturer's recommendations.
3. Apply Flexterra, or approved equal, at the rates specified above with the remaining 50% of the seed mix.

D. Temporary Irrigation

1. The contractor shall utilize temporary irrigation by any method approved by the Owner's Representative on the condition that planting establishment and acceptance is the sole responsibility of the Contractor.
2. The Irrigation Plan identifies areas that are to receive vegetation and temporary watering for establishment. Fire hydrants area located on the plan for water access.

3.4 LAWN MAINTENANCE

A. Maintain and establish lawn by watering, fertilizing, weeding, mowing, trimming, replanting, and other operations. Roll, re-grade, and replant bare or eroded areas and re-mulch to produce a uniformly smooth lawn. Provide materials and installation the same as those used in the original installation.

B. Mow sod for maintenance. Mow lawn one time as soon as top growth is tall enough to cut.

C. Mow seeded areas once when average height reaches 12" inches, down to a height of 6" inches.

3.5 SATISFACTORY TURF

A. Satisfactory Sod: Fully rooted, evenly colored sod without visible sod joints that has been mowed at least twice.

B. Use specified materials to reestablish lawns that do not comply with requirements and continue maintenance until lawns are satisfactory.

C. Satisfactory Seeded Areas: A healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 8 by 8 inches that has been mowed at least twice. Use specified materials to reestablish lawns that do not comply with requirements and continue maintenance until lawns are satisfactory.

END OF SECTION

329510 - LANDSCAPE MAINTENANCE

PART 1 -GENERAL

1.1 SECTION INCLUDES

A. Landscape Maintenance Contractor shall furnish all labor, equipment, chemicals and fertilizer necessary to maintain newly planted landscaping leaving plants in a vigorous, healthy state through the end of the stated maintenance period. Maintenance shall consist of watering, weeding, fertilizing, disease and insect pest control, pruning, aerating, protective spraying and any other procedures consistent with good horticultural practice necessary to insure normal, vigorous and healthy growth of all landscape materials under this contract. Trash and debris will be removed from the project during each regular site visit. Maintenance shall begin following final acceptance of the landscape installation.

B. The Landscape Maintenance Contractor shall be responsible for the use of all his/her materials, labor and equipment. Injury to plant material caused by such maintenance, labor and equipment shall be corrected and repaired by the Landscape Maintenance Contractor at his/her expense. This includes both reseeding areas damaged by tractor treads when mowing is conducted at an inappropriate time, as determined by the Owner or his/her agent, and replacement of any plants, hardscape, or other amenities on the site when damaged by the Contractor's equipment, materials or agent(s).

1.2 INSURANCE

A. Contractor shall provide to the Owner, at his own expense, evidence of adequate Workman's Compensation, General Liability and Property Damage Liability, subject to approval of the Owner.

1.3 CLEAN UP

A. All debris, tools, surplus materials, equipment, etc. shall be removed after each regular visit from the maintenance crew. The site shall be left in a neat, acceptable condition such as to meet the approval of the Owner.

1.4 LICENSE REQUIREMENTS

A. Pesticide: The Contractor shall be a licensed pesticide applicator or employ a licensed certified pesticide applicator for the treatment of insects and diseases if required by the Texas Pesticide Use and Application Regulations of the Texas Department of Agriculture. The Owner may require documentation of such certification as necessary for his records.

B. Herbicide: The Contractor shall possess a permit or employ a person who possesses a permit to apply herbicide if required by the Texas Pesticide Use and Application Act of the Texas Department of Agriculture. The Owner may require documentation of such certification as necessary for his records.

C. Irrigation: The Contractor shall possess an irrigator's license issued by the State of Texas or employ such a licensed irrigator to perform the irrigation system maintenance. The irrigation system shall be maintained under the supervision of the licensed irrigator who shall be on the site at all times during this work.

The Owner may require documentation of such license for his records. The Contractor shall verify and adhere to the requirements and codes of any controlling utility authorities.

PART 2 -PRODUCTS

2.1 COMMERCIAL FERTILIZER

A. Complete fertilizer, uniform with composition, dry and free flowing, delivered to site in original unopened containers, each bearing manufacturer's guaranteed statement of analysis.

1. Turf at 15-5-10 analysis.
2. Turf at 21-0-0 analysis.
3. Trees at 32-7-7 analysis (Injecto-Feed).
4. Trees at 0-4-4 analysis (Agri-Plex).

2.2 SOIL FERTILITY TEST

A. The Contractor will be required to furnish the Owner with two (2) soil fertility reports including corrective recommendations.

B. The exact location of each soil sample taken will be provided by the Landscape Architect or Owner.

C. Soil fertility testing will be conducted by a laboratory specializing in this type of testing and approved by the Landscape Architect or Owner.

2.3 MULCH

A. Partially decomposed dark brown, fine shredded hardwood bark mulch, reference plans for type.

2.4 WATER

A. Water will be supplied by the Owner.

2.5 PLANT REPLACEMENT

A. It will be the responsibility of the Landscape Maintenance Contractor to replace any and all plant material that is dead or damaged due to non-performance of the contracted scope of work, un-supervised personnel or un-supervised subcontractors.

2.6 PESTICIDES AND HERBICIDES

A. Pesticides and herbicides shall be of the type that is commercially available.

PART 3 -EXECUTION

3.1 TREE AMAINTENANCE

A. The Scope of Work for plant maintenance includes all possible means required to preserve the plants and vegetative material existing within the site in a healthy and vigorous growing condition to insure their successful establishment. Plant maintenance shall include, as a minimum, the following items.

1. Pruning: All trees within the limits of landscape maintenance, shall be pruned by the Contractor to the satisfaction of the Owner. Pruning shall be done in accordance with accepted pruning practices as set forth by the National Arborist Association in Pruning Standards for Shade Trees (current edition). Dead or damaged limbs on trees, including sucker-growth on trunks of trees, are to be removed. Suckers will be removed as needed throughout the year. All pruned materials shall become the property of the Contractor and shall be disposed of in a manner acceptable to the Owner. Unless directed differently in the contract documents, pruning shall be accomplished once during the term of this contract.
2. Insect, Disease, and Animal Control: The Contractor shall inspect the plants and planted areas once each two (2) weeks or as approved by the Owner. The Contractor shall be required to notify the Owner in writing of problems with insects, diseases, or animals as such problems arises. The Contractor also shall recommend corrective measures in writing.
3. The Contractor shall treat the plants and/or the planted areas in accordance with accepted methods of horticultural practices and the Texas Department of Agriculture guidelines regarding the use of pesticides. The Contractor also shall follow the manufacturer's instructions for the use and application of any pesticides.
4. Bed Maintenance: The Contractor shall maintain the plant basins and beds free of weeds and grass or other material detrimental to the growth of the plants or appearance at the site. Herbicides, when used by the Contractor, will under no circumstances be used on days where the wind could cause drift hazard to desirable plants. The Contractor shall also follow the manufacturer's instructions for the use and application of any herbicide. Two pre-emergent herbicide applications will be made per year along with manual weeding and post emergent herbicide applications as required. All shrub and groundcover beds shall be fertilized two (2) times per year at a rate of 2 lbs. Per 1,000 square feet. Hardwood mulch shall be maintained to a minimum depth of two (2) inches, in all bed areas.
5. Re-staking and re-bracing of Plants: Any damaged or destroyed stakes, guys or braces shall be replaced by the Contractor. This shall include any adjustment to the staking or guying to prevent girdling of plants. Adjustment will be made to tighten wires and cables as required.
6. Tree Mulching and Fertilization:

a) Maintain a 2" layer of shredded hardwood mulch over all tree root balls in turf areas. Add new mulch as required.

b) Deep root fertilize all trees with a combination of Injecto-Feed 32-7-7 and Agri-Plex 0-4-4 with 2 percent magnesium, 2 percent water soluble magnesium, 3 percent sulfur, .02 percent boron, 5 percent iron, .5 percent manganese and .5 percent zinc. Mix 20 pounds of Injecto-Feed and 1 gallon of Agri-Plex in 100 gallons of water. Apply this solution at the rate of 5 gallons per inch trunk diameter measured at breast height. Space injection points at 2.5 foot intervals starting 2 feet beyond the drip line. Apply .5 gallon of solution per injection site. Soil injections should be made 6 to 8 inches deep using an injector probe at 150 to 200 PSI. Keep fertilizer solution agitated during application. Where trees are closely spaced and have overlapping treatment areas, inject only once in those areas. Do not double inject these areas. For trees growing in wells surrounded by concrete, water or other hard surfaces, drench the top of the root ball with 10 to 15 gallons of fertilizer solution.

3.2 TURF AND GRASS MAINTENANCE

A. Sod:

1. Mowing and Trimming: All lawns shall be mowed approximately every seven days April thru September, three (3) times per month in March and October and once monthly November thru February. All sidewalks and curbs shall be edged, and trimming around all trees and other objects within turf areas shall occur in concurrence with the maximum mowing cycles. The Contractor shall use power equipment as approved by the Owner. Nylon cord trimmers shall not be used inside plant basins or beds around plant material
2. Fertilization: All sod shall be fertilized in March, May, July and September for a total of four (4) applications. Approximately 1.5 to 2 lbs. nitrogen will be applied per 1,000 square feet per application. Various analyses and blends of fertilizers can be used based on soil tests results.
3. Weed Control: All sod shall be treated with two (2) pre-emergent herbicide and four (4) post-emergent herbicide applications for a total of six (6) applications. Herbicide applications will only be required on established stands of grass.
4. Insect, Disease and Animal Control: The Contractor shall inspect all lawn areas once each two (2) weeks or as approved by the Owner. The Contractor shall be required to notify the Owner in writing of problems with insects, diseases, or animals as such problems arises. The Contractor also shall recommend corrective measures in writing.

329510 - LANDSCAPE MAINTENANCE (CONT.)

3.3 IRRIGATION SYSTEM OPERATION AND MAINTENANCE

A. The scope of work for the operation and maintenance of the permanent irrigation system shall consist of the monitoring, adjustment, repair and proper operation of the existing irrigation system as required insuring adequate moisture to the plant material existing on the project. The existing condition of the system and any known deficiencies will be corrected by the Contractor upon approval by the Owner. The Contractor shall insure that all irrigation zones, rain sensors and freeze sensors are operating correctly. Include seasonal draining and winterizing of irrigation system when required.

B. System repairs will include monitoring of the system on a year round bi-weekly basis and reporting of all damaged or trouble areas to the each regular site visit. Maintenance shall begin following final acceptance of the landscape installation. Maintenance personnel shall repair any damage that may have occurred during the mowing cycle and set automatic systems to correct time requirements. Any damage not the fault of the Landscape Maintenance Contractor shall be assessed and brought to the attention of the Owner with an estimate of the subsequent costs to make the repairs. In the event the irrigation system fails due to the Contractor's actions or neglect, the Contractor shall furnish plant irrigation by a method and quantity approved by the Owner.

END OF SECTION

329119 - TOP SOIL

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. This section specifies all soil material designated as Topsoil on the drawings or in the specifications.

1.2 SUBMITTALS

A. Samples

1. Provide (3) 1-gallon samples for each soil type.
2. Each sample to be a composite of five to seven (5-7) sub-samples taken the full depth of proposed source. On stockpiles, discard upper 6 inches of soil before sampling.
3. Place samples in plastic bags, seal, and place in second paper bag, and label.

B. Test Reports

1. Prior to starting work, submit 2 certified copies of soil test reports to the Landscape Architect for approval.
2. Costs of all tests to be borne by the Contractor.

1.3 QUALITY ASSURANCE

A. All soil samples and testing shall comply with procedures specified in:

1. U.S.D.A. Ag. Handbook 60: Diagnosis and Improvement of Saline and Alkali Soils.

B. Testing Laboratories

1. Certified facilities normally engaged in agronomic soil testing shall be utilized.

A. Required Topsoil Tests

1. Chemical analysis indicating:
   a. Fertility: pH, nitrate nitrogen, ammonia nitrogen, phosphate phosphorous, potassium, calcium, magnesium, zinc, iron, and manganese.
   b. Suitability: total salinity, boron, sodium, potassium, calcium, magnesium, chloride, and sulfate.
2. Physical properties include:
   a. Organic content
   b. Particle size distribution

PART 2 - PRODUCTS

2.1 TOPSOIL

NOTE: Topsoil needs to be from Kelley Thomas Landscape Nursery, or approved equal. 2" in all turf areas, and 8" in all planting beds.

A. On-grade topsoil for the work shall conform to the requirements included in this Section

1. A natural, friable, loamy soil, typical of local topsoil which produces heavy vegetative growth, free from subsoil, weeds, sods, stiff clay, stones larger than ½ inch, toxic substances, debris, or other substances which may be harmful to plant growth.
2. The pH range shall be 6.5 to 7.5.

B. Grading Analysis: Two inch sieve, 100 percent passing. Number 4 sieve, 90 percent minimum passing. Number 10 sieve, 80 percent minimum passing

C. Sand, silt and clay content:

1. Sand: 20 to 75 percent.
2. Silt: 10 to 60 percent.
3. Clay: 5 to 30 percent.

D. All topsoil shall be free from all herbicides and insecticides which may adversely affect growth of lawn or planting, or which may contain toxic materials.

E. Do not deliver in muddy condition.

F. The Contractor shall not use materials which do not conform to these criteria. At the discretion of the Landscape Architect, such material can either by amended to meet these requirements, or will be removed from the site and replaced with suitable material as specified.

PART 3 - EXECUTION

3.1 Not Used

END OF SECTION

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES -ITE Lx -XPen -Planting details -XBorm -XROW
XREFS 7781004 3 of 3Plat
LAST SAVED AT LAND_AR0SEA 7/6/2026 3:43 PM, CROW WYL14_DESIGN\CAD\PLANSHEETS
PLOTTED BY Ashley Harman PLOT DATE 7/6/2026 3:43 PM
DWG NAME L2.03 LANDSCAPE DETAILS.DWG [12.03 LANDSCAPE SPECIFICATION]

No.	REVISIONS	DATE	BY

Kimley»Horn
805 S. WALTON BOULEVARD, SUITE 520, BENTONVILLE, AR 72712
PHONE: 479-974-1263
WWW.KIMLEY-HORN.COM TX F-928
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION PURPOSES
Kimley»Horn
Engineer ANNE HARMAN
PLA No. 712028 Date 07/09/2026

KHA PROJECT 064587901			
DATE	JULY 2026		
SCALE	AS SHOWN	DESIGNED BY	AMH
		DRAWN BY	AEA
		CHECKED BY	AMH

MOUNTAIN HOME INDUSTRIAL
PREPARED FOR
TRAMMELL CROW COMPANY
BAXTER COUNTY ARKANSAS

LANDSCAPE SPECIFICATION

SHEET NUMBER
L2.03