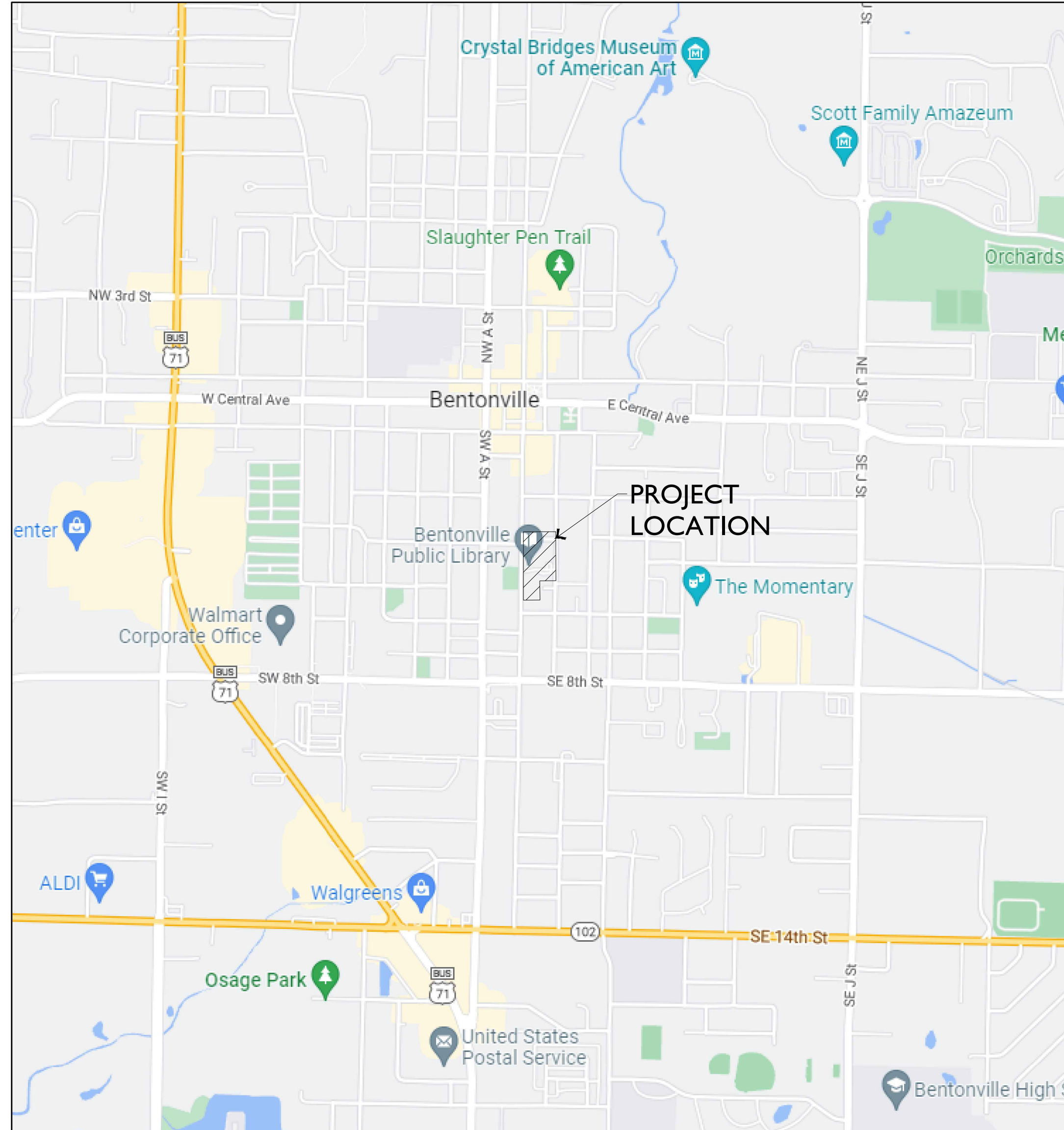


LARGE SCALE DEVELOPMENT

BENTONVILLE PUBLIC LIBRARY EXPANSION
405 S MAIN STREET, BENTONVILLE, AR 72712
(LSD #22-0062)

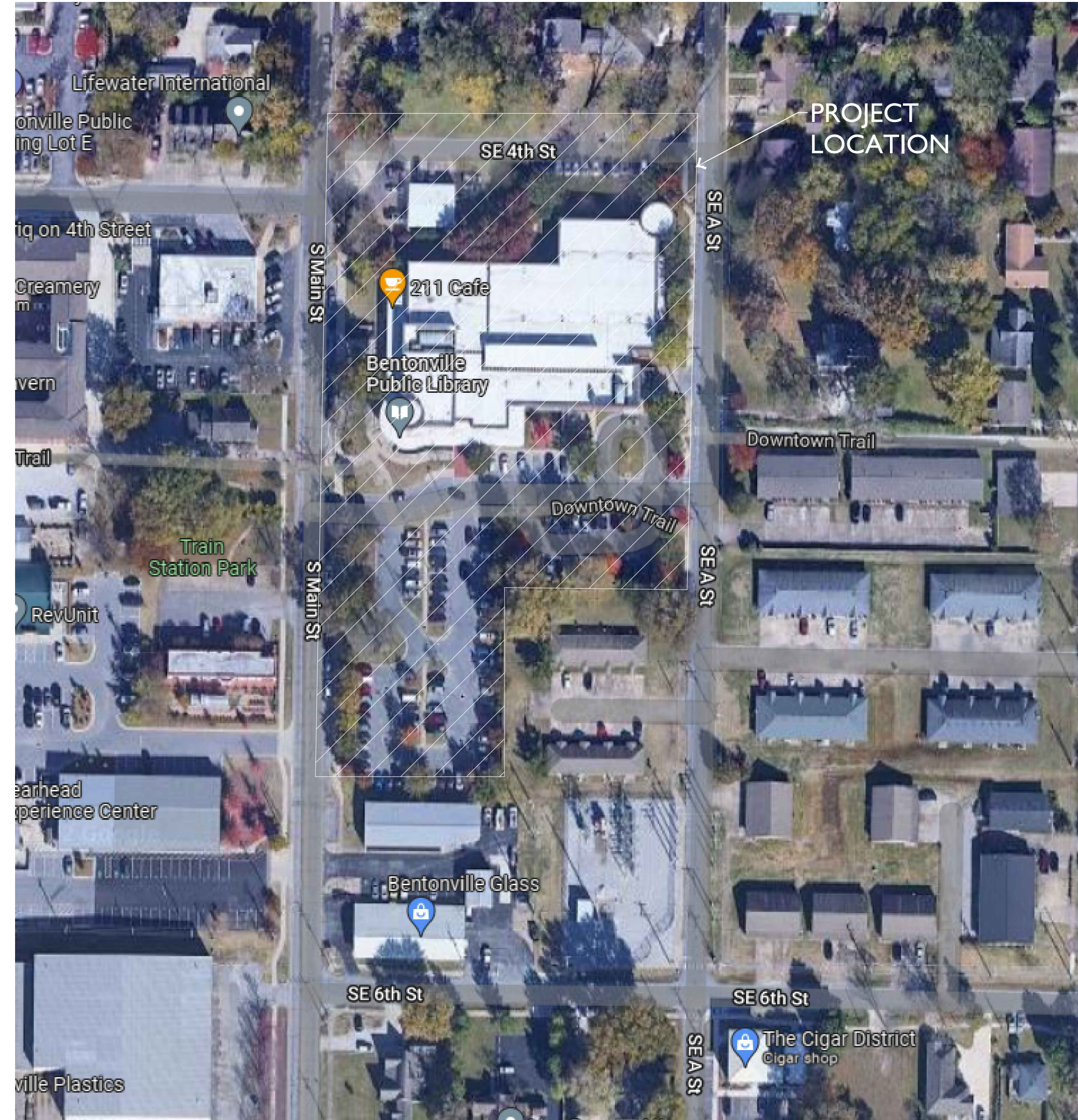
CONSTRUCTION DOCUMENTS

JANUARY 06, 2023



VICINITY MAP

1" = 1000'-0"



AERIAL MAP

NOT TO SCALE

DRAWING LIST

COVER	COVER SHEET
C000	GENERAL NOTES & LEGENDS
C001	SITE DEMOLITION & TREE PROTECTION PLAN (NORTH)
C002	SITE DEMOLITION & TREE PROTECTION PLAN (SOUTH)
C100	SITE PLAN (NORTH)
C101	SITE PLAN (SOUTH)
C102	SITE LAYOUT PLAN (NORTH)
C103	SITE LAYOUT PLAN (SOUTH)
C200	SITE UTILITY PLAN (NORTH)
C201	SITE UTILITY PLAN (SOUTH)
C210	16 INCH WATER MAIN PLAN & PROFILE
C300	SITE GRADING & DRAINAGE PLAN (NORTH)
C301	SITE GRADING & DRAINAGE PLAN (SOUTH)
C310	STORMWATER PLAN & PROFILE
C400	EROSION CONTROL PLAN (NORTH)
C401	EROSION CONTROL PLAN (SOUTH)
C410	EROSION CONTROL PLAN DETAILS
C500	SITE DETAILS
C501	SITE DETAILS
C502	SITE DETAILS

SUPPLEMENTAL SHEETS

SHEET 1 OF 3	SURVEY
SHEET 2 OF 3	SURVEY
SHEET 3 OF 3	SURVEY
SHEET 1	WATER/SEWER DETAILS
SHEET 1 OF 2	WATER DETAILS
SHEET 2 OF 2	WATER DETAILS
SHEET 1 OF 2	SANITARY SEWER DETAILS
SHEET 2 OF 2	SANITARY SEWER DETAILS
SHEET 1 OF 3	BEUD ELECTRIC LAYOUT
SHEET 2 OF 3	BEUD ELECTRIC LAYOUT
SHEET 3 OF 3	BEUD ELECTRIC LAYOUT

OWNER:
CITY OF BENTONVILLE
HADI DUDLEY
1000 SW 14TH
BENTONVILLE, AR 72712
HDUDLEY@BENTONVILLEAR.COM
479.271.3194

ARCHITECT:
MSR DESIGN
KRISTILYN VERCRUYSE
510 MARQUETTE AVENUE SOUTH, SUITE 200
MINNEAPOLIS, MN 55402
KRISTILYN@MSRDESIGN.COM
612.616.8148

LANDSCAPE:
TENxTEN STUDIO
575 SE 9TH STREET #210
MINNEAPOLIS, MN 55414
612.440.8369

CIVIL ENGINEER:
ECOLOGICAL DESIGN GROUP, INC.
BRAHM DRIVER, PE
216 W BIRCH ST.
ROGERS, AR 72756
BDRIVER@ECOLOGICALDG.COM
501.944.3090

SURVEYOR:
BATES & ASSOCIATES, INC.
7230 S. PLEASANT RIDGE DR.
FAYETTEVILLE, AR 72704
479.521.9350

FLOOD CERTIFICATION:
NO PORTION OF THIS PROPERTY IS LOCATED WITHIN FLOOD ZONE "A" OR "AE" AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR BENTON COUNTY, ARKANSAS. (FIRM PANEL #05007C0255K, DATED 06/05/2012)

SITE SUMMARY

ZONING: DOWNTOWN EDGE (DE)
USE: NON-RESIDENTIAL
AREA: 4.77 AC

ZONING SUMMARY

LOT AND AREA STANDARDS

LOT AREA MIN:	NONE	4.77 AC
LOT AREA MAX:	NONE	4.77 AC
LOT WIDTH MIN:	NONE	149.05 FT
LOT WIDTH MAX:	NONE	315.23 FT
LOT DEPTH MIN:	NONE	476.48 FT
LOT COVERAGE MAX:	80%	76%

SETBACK STANDARDS

FRONT YARD MIN:	NONE	40'
FRONT YARD MAX:	NONE	109'
SIDE YARD MIN:	7'	26' +/-
REAR YARD MIN:	12'	74' +

PROPERTY DESCRIPTION:

LOT 1, LIBRARY ADDITION TO THE CITY OF BENTONVILLE, ARKANSAS, AS PER THE FINAL PLAT THEREOF FILED IN BOOK 2005 AT PAGE 759 OF THE RECORDS OF THE CIRCUIT CLERK AND EX-OFFICIO RECORDER OF BENTON COUNTY, ARKANSAS, AND ALSO LOT 17, LOT 15 EXCEPT THE NORTH 60 FEET, AND 55 FEET OF EQUAL WIDTH SQUARELY OFF THE SOUTH SIDE OF LOT 14, ALL BEING LOCATED IN BLOCK 3 OF RAILROAD ADDITION TO THE CITY OF BENTONVILLE, AS PER THE FINAL PLAT THEREOF FILED IN BOOK A AT PAGE 38 OF THE RECORDS OF THE CIRCUIT CLERK AND EX-OFFICIO RECORDER OF BENTON COUNTY, ARKANSAS, AND ALL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT AN EXISTING REBAR MARKING THE NORTHWEST CORNER OF LOT 18, BLOCK 3 OF SAID RAILROAD ADDITION AND RUNNING THENCE N02°14'42"E 86.33'; THENCE N02°14'42"E 16.52' TO AN EXISTING REBAR MARKING THE SOUTHWEST CORNER OF SAID LOT 14, BLOCK 3, THENCE ALONG THE WEST LINE THEREOF N02°17'15"E 55.03' TO AN EXISTING REBAR, THENCE LEAVING SAID WEST LINE S87°28'36"E 164.96' TO AN EXISTING REBAR ON THE WEST LINE OF SAID LOT 15, BLOCK 3, THENCE ALONG SAID WEST LINE OF LOT 15, BLOCK 3 N02°19'02"E 8.25', THENCE LEAVING SAID WEST LINE S87°39'45"E 150.25' TO AN EXISTING REBAR, THENCE S02°16'01"W 61.22', THENCE N88°15'07"W 7.01', THENCE S01°42'16"W 14.00', THENCE S01°42'16"W 40.14', THENCE N87°48'21"W 158.61', THENCE S02°16'09"W 200.75', THENCE N87°44'19"W 149.05', THENCE N01°45'14"E 512.41' TO THE POINT OF BEGINNING, CONTAINING 4.05 ACRES, MORE OR LESS, LESS & EXCEPT A 14' WIDE ALLEY AS SHOWN ON SAID FINAL PLAT OF RAILROAD ADDITION, SAID ALLEY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT WHICH IS N02°14'42"E 86.33' FROM AN EXISTING REBAR MARKING THE NORTHWEST CORNER OF LOT 18, BLOCK 3 OF SAID RAILROAD ADDITION AND RUNNING THENCE N02°14'42"E 16.52' TO AN EXISTING REBAR, THENCE S87°41'02"E 144.93' TO AN EXISTING REBAR, THENCE S88°15'07"E 143.30', THENCE S01°42'16"W 14.00', THENCE N87°52'27"W 151.24', THENCE S02°12'56"W 1.48', THENCE N88°18'26"W 157.12' TO THE POINT OF BEGINNING, CONTAINING 0.10 ACRES, MORE OR LESS, SUBJECT TO THAT PORTION IN SOUTH MAIN STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE WEST SIDE OF HEREIN DESCRIBED TRACT, SUBJECT TO THAT PORTION IN SOUTHEAST 4TH STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE NORTH SIDE OF HEREIN DESCRIBED TRACT, SUBJECT TO THAT PORTION IN SOUTHEAST A STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE EAST SIDE OF HEREIN DESCRIBED TRACT, AND SUBJECT TO ALL OTHER EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

WAIVERS AND VARIANCES

TYPE	SECTION: DESCRIPTION	STATUS
WAIVER	ARTICLE 1100, SECTION 1100.15: SIDEWALK REQUIREMENTS	APPROVED 5-18-22
WAIVER	ARTICLE 1100, SECTION 1100.21.K: DEVELOPMENT STANDARDS	SUBMITTED 10-28-22

UTILITY AND CITY CONTACTS

Black Hills Energy: Josh Knight, 1301 Federal Way, PO Box 2129, Lowell, AR 72745, (479)333-7005, joshua.knight@blackhillscorp.com

AT&T: Brent Baldwin, 1133 East Harold St., Fayetteville, AR 72703, Office: (479)571-6609; Cell: (479)200-9022, bb585@att.com

Cox Communications: Chad Hodge, 4901 S. 48th Street, Springdale, AR 72762, (479) 263-7057, chad.hodge@cox.com and Timothy Goss, 4901 S. 48th Street, Springdale, AR 72762, (479) 651-5583, timothy.goss@cox.com

Fire Dept.: City of Bentonville, Brent Boydston, Fire Chief, 800 SW A St, Bentonville, AR 72712, (479) 271-5927

Street Dept.: City of Bentonville, Tony Davis, 3200 SW Municipal Drive, Bentonville, AR 72712, (479) 271-3130

Water Dept.: City of Bentonville, Beau Thompson, 3200 SW Municipal Drive, Bentonville, AR 72712, (479) 271-3140

Electric Dept.: City of Bentonville, Charlie Barnes, 3200 Municipal Drive, Bentonville, AR 72712 (479)-271-3159

Wastewater Dept.: City of Bentonville, Chris Earl, 1901 NE A Street, Bentonville, AR 72712, (479)-271-3161

Planning Dept.: City of Bentonville, Tyler Overstreet, 305 SW A Street, Bentonville, AR, (479)-271-3122

Building and Fire Safety: City of Bentonville, Brad Arnold, 305 SW A Street, Bentonville, AR, (479) 271-3108

City Engineer: City of Bentonville, Ellen Norvell, 3200 SW Municipal Drive, Bentonville, AR, (479)-271-5993

Stormwater: City of Bentonville, Janet Paith, 3200 SW Municipal Dr., Bentonville, AR 7212, (479) 271-5002, jpaith@bentonvillear.com

PROJECT NOTES

1. THE CITY OF BENTONVILLE STREET STANDARDS, DRAINAGE CRITERIA MANUAL, SUBDIVISION ORDINANCE, WATER, SEWER, ELECTRIC, UTILITY SPECIFICATIONS, AND STATE CODE SHALL GOVERN THESE PLANS. IF THERE ARE DISCREPANCIES IN THE PLANS OR INFORMATION CONTAINED WITHIN, CITY OF BENTONVILLE ORDINANCES, STANDARDS, AND SPECIFICATIONS SHALL RULE, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
2. TO SCHEDULE AN INSPECTION OR TEST WITH THE CITY OF BENTONVILLE ENGINEERING DEPARTMENT, INSPECTIONS MUST BE CALLED IN (479-271-3168) BY THE ENGINEER OF RECORD 24 HOURS IN ADVANCE BEFORE 10AM FOR AN INSPECTION THE FOLLOWING DAY.
3. THE ENGINEER OF RECORD MUST CERTIFY THE SITE AND THE PROJECT MUST PASS A DEVELOPMENT FINAL SITE INSPECTION BEFORE REQUESTING A BUILDING FINAL INSPECTION.
4. THE ENGINEER OF RECORD SHALL COORDINATE AND SCHEDULE A PRE-PAVE PRECON WITH THE ENGINEERING DEPARTMENT AND CONTRACTOR BEFORE THE PAVING OF ANY PUBLIC STREET OR PUBLIC ALLEY.

Architecture and Interiors

MSRDesign

510 Marquette Avenue South, Suite 200
Minneapolis, MN 55402 | 612.375.0336

Associate Architect

Hight Jackson Associates PA

5201 W Village Pkwy #300
Rogers, AR 72758 | 479.464.4965

Civil Engineer

E | D | G

216 West Birch Street
Rogers, AR 72758 | 501.378.0200

Landscape Architect

TEN x TEN

575 SE 9th St #210
Minneapolis, MN 55414 | 612.440.8369

Structural Engineer

Tatum Smith Welcher
Engineers, Inc.

3100 S Market St #202
Rogers, AR 72758 | 479.621.6128

MEP Engineer

HP Engineering, Inc.

5214 W Village Pkwy #120
Rogers, AR 72758 | 479.899.6370

Project No: 2021027
**Bentonville Public Library
Expansion**
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____

Print Name _____

Date _____ License No. _____

BID SET

ISSUE / REVISION

Mark	Date	Description
12/10/2021		SCHEMATIC DESIGN PRICING
06/22/2022		DESIGN DEVELOPMENT PRICING
8/12/2022		DD VE OPTION B
10/13/2022		PRE APP SET
10/28/2022		LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022		CD PRICING SET
11/14/2022		SECOND LSD SUBMITTAL
11/28/2022		THIRD LSD SUBMITTAL
12/21/2022		PERMIT SET
01/06/2023		BID SET

Drawing 001 Copyright/Owner: Owner & Architects, LLC

COVER SHEET

COVER

GENERAL NOTES:

- 1. EXISTING SURVEY DATA WAS OBTAINED FROM A TOPOGRAPHIC & BOUNDARY SURVEY PERFORMED BY BATES & ASSOCIATES, INC. AND DATED 12/6/21.
2. SURVEY DATA IS BASED UPON NAD 83, STATE STATE PLANE, ARKANSAS NORTH FEET COORDINATE SYSTEM.
3. ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM.
4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND CODES AS WELL AS OSHA STANDARDS. SITE CONTRACTOR SHALL MEET OR EXCEED ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL MEASURES.
5. THE APPROXIMATE LOCATION OF KNOWN UTILITIES & SUBSURFACE STRUCTURES AS SHOWN HEREON ARE BASED ON ABOVE-GROUND VISIBLE STRUCTURES & RECORD DRAWINGS PROVIDED. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF THESE & ALL OTHER SUBSURFACE AND/OR LATENT FACILITIES PRIOR TO BEGINNING WORK. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE & THE COST OF SUCH REPAIRS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
6. ALL WORK PERFORMED WITHIN THE RIGHT-OF-WAY SHALL BE COORDINATED WITH THE CITY OF BENTONVILLE ENGINEERING DEPARTMENT AND TRAFFIC DEPARTMENT.
7. ALL STREETS, DRIVES, WALKS, DRAINAGE STRUCTURES, FENCES, ETC. THAT ARE DISTURBED SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION USING LIKE MATERIALS. COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR UNLESS PROVISION FOR PAYMENT IS MADE IN THE PROPOSAL.
8. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
9. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN IMPLEMENTED, AND THE SWPPP, EROSION CONTROL PLAN, AND SIGNED AUTOMATIC NOTICE OF COVERAGE IS POSTED ON SITE.
10. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD TESTING AS DESCRIBED IN THE SPECIFICATIONS (INCLUDING BUT NOT LIMITED TO COMPACTION DENSITY TESTING, ETC.), AND SHALL PROVIDE RESULTS TO ENGINEER, AND MAINTAIN RECORDS AND RESULTS OF ALL TESTS PERFORMED DURING CONSTRUCTION. TESTING BY THE CONTRACTOR SHALL BE INCLUDED IN THE BID.
11. EXISTING FACILITIES AND FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED. NEW FACILITIES AND FEATURES ARE SHOWN SOLID AND HEAVY-LINED.
12. SLOPES AND GRADES SHOWN ARE IN UNITS OF FT/FT UNLESS OTHERWISE NOTED.
13. ALL PAVEMENT AND CURB MEASUREMENTS ARE TAKEN FROM FACE OF CURB OR EDGE OF PAVEMENT.
14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

DEMOLITION NOTES:

- 1. DEMOLITION SHALL NOT BEGIN UNTIL THE APPROPRIATE EROSION CONTROL MEASURES AND REQUIRED TREE PRESERVATION FENCING HAVE BEEN INSTALLED.
2. CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL CODES FOR DEMOLITION AND DISPOSAL OF ALL MATERIALS.
3. CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTY IS NOT DAMAGED.
4. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES REGARDING RELOCATION, REMOVAL, AND/OR DISCONNECTION.
5. CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC.
6. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY UNDERGROUND TANKS ARE FOUND ON SITE.
7. ALL TREES (EXCEPT THOSE SHOWN TO BE PROTECTED) AND VEGETATION WITHIN THE CLEARING AND GRADING LIMITS SHALL BE CLEARED AND GRUBBED INCLUDING TREE ROOT SYSTEMS. ALL DEBRIS IS TO BE REMOVED FROM THE SITE.
8. STRIP TOPSOIL AND STOCKPILE IN THE DESIGNATED AREA FOR FUTURE USE.
9. LARGE ROCKS AND BOULDERS SHALL BE REMOVED AND DISPOSED FROM THE SITE.

STREET CONSTRUCTION (GRADING) AND EARTHWORK NOTES:

- 1. THE ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO PLACEMENT OF ANY FILL MATERIAL, INSTALLATION OF STORM DRAINAGE PIPE, DRAINAGE STRUCTURES, CURB AND GUTTER, OR PLACEMENT OF CRUSHED STONE OR ASPHALT.
2. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PERFORM EARTHWORK IN ACCORDANCE WITH THE RECOMMENDATIONS IN SAID REPORT DATED DECEMBER 14, 2021 WITH ADDENDUM JANUARY 5, 2022.
3. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER TO INSPECT THE SUBGRADE PRIOR TO PLACING FILL.
4. FILL AND BACKFILL SHALL BE PLACED IN HORIZONTAL, NOMINAL 6- TO 8-IN THICK LOOSE LIFTS. EACH LIFT SHALL BE TESTED AND APPROVED PRIOR TO PLACING SUBSEQUENT LIFTS.
5. THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND SECTION 212 OF THE ARKASAS STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PRIOR TO PLACING THE CRUSHED STONE BASE COURSE THE SUBGRADE SHALL BE PROOF ROLLED, AND MUST BE VERIFIED TO CONFORM TO THE GRADES AND SLOPES SHOWN ON THE DRAWINGS.
6. ALL MUD SOIL AND LOOSE GRAVEL SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND CONCRETE CURB PRIOR TO PLACEMENT OF ASPHALT.
7. THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCED WARNING DEVICES, BARRICADES, BARRELS, AND OTHER MEASURES AS NEEDED TO PROPERLY CONTROL AND ADVISE TRAFFIC OF CONSTRUCTION EQUIPMENT.
8. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE CONSTRUCTION ACTIVITY OR HAULING OF MATERIAL MAY HAVE ON THE EXISTING STREETS AND/OR ACCESS ROADS.
9. COORDINATE WORK WITH OWNER TO MINIMIZE THE EFFECTS OF CONSTRUCTION ON DAILY OPERATIONS OF THE FACILITY.
10. COORDINATE ALL DEMOLITION WORK WITH OWNER. VERIFY OWNER DOES NOT WISH TO RETAIN MATERIAL BEFORE IT IS REMOVED AND DISPOSED.
11. ALL CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE DESIGNATED AREAS SHOWN ON THE PLANS. ALL AREAS OUTSIDE OF THOSE LIMITS SHALL BE PROTECTED AND MAINTAINED.
13. GRADING SHALL BE LIMITED TO THE EXTENT OF THE PROPOSED CONTOURS AND SPOT GRADES SHOWN ON THE PLANS.
14. ALL CUT AND/OR FILL SLOPES SHALL BE A MAXIMUM 3H:1V SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
15. ALL STORM DRAINAGE PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO PROVIDE A WATERTIGHT CONNECTION AT THE STRUCTURE.
16. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES INSTALLED IN PAVED AND TRAFFIC AREAS SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND INSTALLED IN ACCORDANCE TO MANUFACTURERS RECOMMENDATIONS FOR H20 LOADING.
17. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS.
18. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL OR STRUCTURAL ENGINEERING PLANS AND SPECIFICATIONS.

GENERAL EROSION CONTROL NOTES:

- 1. SITE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, AND MAINTAINING ALL EROSION & SEDIMENT CONTROL BMPs.
2. SITE CONTRACTOR IS RESPONSIBLE TO KEEP AND UPDATE ALL STORM EVENT LOG BOOKS.
3. THE CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PLAN TO PREVENT MUD, SEDIMENT, AND CONSTRUCTION MATERIALS FROM BEING WASHED OR TRACKED OFF SITE ONTO ADJACENT PROPERTY. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE APPROVED ADEQ CONSTRUCTION STORMWATER PERMIT AND MAINTAIN THE STORMWATER POLLUTION PREVENTION PLAN AT ALL TIMES.
4. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THIS DRAWING (SITE MAP), THE EROSION CONTROL DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE TEMPORARY EROSION CONTROL SECTION OF THE SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
5. EROSION CONTROL DEVICES SHALL BE INSTALLED AS THE PROJECT PROGRESSES AND AREAS ARE DISTURBED.
6. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
7. BEST MANAGEMENT PRACTICES AND CONTROLS SHALL CONFORM TO FEDERAL STATE, AND OR LOCAL MANUAL OF PRACTICE, AND THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECT BY THE PERMITTING AGENCY OR OWNER.
8. THIS EROSION CONTROL PLAN MAY BE REVISED BY ADDING OR DELETING EROSION CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
9. THE LOCATIONS OF THESE EROSION CONTROL DEVICES MAY BE CHANGED IF SITE CONDITIONS WARRANT TO PREVENT EROSION.
10. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE AND EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
11. ALL INLETS ON AND ADJACENT TO THE SITE SHALL BE PROTECTED FROM SEDIMENT.
12. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
13. PERFORM EQUIPMENT AND VEHICLE MAINTENANCE ONLY IN DESIGNATED AREAS. USE DRIP PANS UNDER EQUIPMENT.
14. INSPECT ALL EROSION CONTROL DEVICES WEEKLY AND FLOWING RAINFALL EVENTS OF 0.5 INCHES THROUGHOUT THE DURATION OF THIS PROJECT AND UNTIL PERMANENT VEGETATION IS ESTABLISHED.
15. ALL DISTURBED AREAS LEFT IDLE FOR A PERIOD OF 14 DAYS OR LONGER ARE TO RECEIVE TEMPORARY VEGETATION AND MULCHED.
16. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND/OR OTHER PETROLEUM-BASED, OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATION IS PROHIBITED.
17. SOLID WASTE (INCLUDING TRASH AND DEBRIS) MUST BE DISPOSED OF PROPERLY, AND HAZARDOUS MATERIALS (INCLUDING OIL, GASOLINE, AND PAINT) MUST BE PROPERLY STORED (WHICH INCLUDES SECONDARY CONTAINMENT), PROPERLY MANAGE PORTABLE SANITARY FACILITIES.
18. USE DRY CLEANUP METHODS TO COLLECT LITTER AND ABSORB ANY LIQUID WASTES PRIOR TO ANY PRESSURE WASHING. THESE INCLUDE USING ABSORBENTS (RAGS, SAND, ETC.), SWEEPING, AND SCRAPPING OFF DRIED DEBRIS.
19. RUBBISH, TRASH, GARBAGE, OR LITTER SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM BEING BLOWN OR WASHED OFF-SITE.
20. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE/EXIT IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES EXIT ONTO THE PUBLIC ROADS. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE.
21. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
22. ON-SITE AND OFF-SITE STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH ADEQ CONSTRUCTION STORMWATER PERMIT.
23. ALL MATERIALS MUST BE STORED OUT OF THE WAY OF VEHICULAR TRAFFIC.
24. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
25. EROSION CONTROL FACILITIES REQUIRED BY THESE PLANS AND/OR THE FACILITY PERMIT ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL FACILITIES AS NECESSARY.
26. REMOVE EROSION CONTROL DEVICES AFTER PERMANENT VEGETATION IS ESTABLISHED.

ADDITIONAL EROSION CONTROL NOTES:

INITIAL SITE PREPARATION:

- 1. INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXITS.
2. SITE CONTRACTOR SHALL SUBMIT TO ENGINEER FOR APPROVAL A SITE MAP SHOWING THE PROPOSED LOCATIONS OF THE FOLLOWING: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASH-OUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROGRESS.
3. CONSTRUCT THE SILT FENCES ON THE SITE AS INDICATED ON THE PLANS.
4. CONSTRUCT THE SEDIMENTATION AND SEDIMENT TRAP BASINS.
5. CONTACT THE ENGINEER TO PERFORM INSPECTION OF THE BMPs. SITE CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING SUB-CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
6. CLEAR AND GRUB THE SITE WITHIN THE LIMITS OF WORK SHOWN ON THE PLANS.
7. CONTRACTOR SHALL BEGIN GRADING THE SITE AND BEGIN CONSTRUCTION.

DURING CONSTRUCTION:

- 1. TEMPORARILY SEED DISTURBED AREAS.
2. INSTALL INLET PROTECTION AROUND ALL NEWLY CONSTRUCTED STORM SEWER STRUCTURES.
3. AFTER PAVING, INSTALL INLET PROTECTION DEVICES.
4. AT THE COMPLETION OF GRADING INSTALL PERMANENT SEEDING AND PLANTINGS.
5. ONCE SITE IS STABILIZED, THE CONTRACTOR CAN REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
6. ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE CITY OR OWNER, THE CONTRACTOR SHALL CONTROL DUST BY EXPOSING THE SOIL SURFACE TO MOISTURE PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.

UTILITY NOTES:

- 1. EXISTING STRUCTURES AND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. ALL STRUCTURES AND UTILITIES MAY NOT BE SHOWN. ALL EXISTING UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION (WHETHER SHOWN OR NOT SHOWN). UTILITY SERVICE MUST BE MAINTAINED DURING AND AFTER CONSTRUCTION.
2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
3. ALL WATER LINE AND SANITARY SEWER WORK MUST BE PERFORMED IN ACCORDANCE WITH THE CITY OF BENTONVILLE 2021 WATER UTILITIES DEPARTMENT SPECIFICATIONS, AND SHALL BE COORDINATED WITH THE BENTONVILLE WATER UTILITIES DEPARTMENT.
4. THE CONTRACTOR SHALL COORDINATE THE CONNECTIONS TO THE EXISTING WATER LINES WITH THE LOCAL JURISDICTION.
5. PROVIDE THRUST BLOCKING FOR THE PROPOSED WATERLINES AS SHOWN ON THE DETAIL SHEETS AND AS REQUIRED BY THE LOCAL JURISDICTION.
6. ALL WATER AND SEWER LINES AND SERVICES CROSSING ROADWAYS ARE TO BE BACKFILLED WITH COMPACTED CLASS 7 AGGREGATE BASE COURSE.
7. ALL WATER MAINS SHALL HAVE A MINIMUM COVER AND PIPE MATERIAL AS DESCRIBED IN THE CITY OF BENTONVILLE 2021 WATER UTILITIES DEPARTMENT SPECIFICATIONS.
8. DUCTILE IRON PIPE (CLASS 50) SHALL BE USED FOR THE PROPOSED WATER MAIN AS SPECIFIED IN THE PLANS AND ALLOWED BY THE CITY OF BENTONVILLE 2021 WATER UTILITIES DEPARTMENT SPECIFICATIONS.
9. ALL WATER MAINS ARE TO CROSS OVER SEWER MAINS WITH A MINIMUM OF 18-IN OF VERTICAL SEPARATION AND WATER AND SEWER MAINS SHALL HAVE A MINIMUM OF 10-FT HORIZONTAL SEPARATION.
10. ALL SANITARY SEWER WORK SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE LOCAL JURISDICTIONS STANDARD SPECIFICATIONS AND DETAILS AND SHALL BE COORDINATED WITH THE LOCAL JURISDICTION.
11. ALL WATER AND SANITARY SEWER WORK SHALL ADHERE TO THE CITY OF BENTONVILLE 2021 WATER UTILITIES DEPARTMENT SPECIFICATIONS.

EXISTING LEGEND

THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING.

- (R) RECORDED TITLE
(M) MEASURED
● FOUND 5/8" REBAR
● SET 5/8" REBAR/CAP
○ SET / FOUND COTTON SPINDLE
■ FOUND STONE
■ SET / FOUND ALUM. MONUMENT
■ STATE MONUMENT
● FOUND PIPE
● BOLT
● FOUND 1/2" REBAR
■ NAIL
● BOLLARD
● FOUND 5/8" REBAR / CAP
▽ SET / FOUND P.K. NAIL
▲ RAILROAD SPIKE
● BENCHMARK
● TEMP BENCH MARK (ELEV.)
○ RIGHT-OF-WAY MARKER
△ COMPUTED POINT
+ STAKE ON LINE
● FENCE CORNER POST
○ CABLE PEDESTAL
○ TELEPHONE PEDESTAL
○ YARD HYDRANT
○ WATER METER
○ SEPTIC LID
○ FIRE HYDRANT
○ STORM SEWER MH
○ AC CONDENSER UNIT
○ SANITARY SEWER MH
○ MANHOLE
○ POWER POLE
○ WATER VALVE
○ GAS METER
○ ELECTRICAL METER
○ LIGHT
+ SIGN
○ ELECTRICAL BOX
○ TREE

- - - TREE LINE
- - - W - - - WATER LINE
- - - OHE - - - OVERHEAD POWER LINE
- - - SS - - - SEWER LINE
- - - ← - - - FLOW LINE
- - - FENCE
- - - INGRESS & EGRESS EASEMENT
- - - BUILDING SETBACK
- - - UTILITY EASEMENT
- - - BOUNDARY LINE (MEASURED)
- - - BOUNDARY LINE (EXISTING)
- - - FORTY LINE/TIE LINE
- - - CENTERLINE OF ROAD
- - - RIGHT-OF-WAY

All Symbols May Not Appear On Drawing. Use As Applicable.

PROPOSED LEGEND

- PROPOSED CURB AND GUTTER (REF. PLANS FOR TYPE)
PROPOSED INTERMEDIATE CONTOUR (1 FT)
PROPOSED INDEX CONTOUR (5 FT)
PROPOSED STORM SEWER PIPING
PROPOSED ROADWAY CENTERLINE
MATCH LINE
PROPOSED ASPHALT
PROPOSED GRAVEL
PROPOSED CONCRETE
PROPOSED POROUS PAVERS
PROPOSED BUILDING
PROPOSED SANITARY SEWER MAN-HOLE
PROPOSED STORM SEWER STRUCTURE
PROPOSED FLARED END SECTION (FES)
ROADWAY STATION LABEL
PROPOSED SURVEY MONUMENT
PROPOSED ROAD SIGN
PROPOSED SPOT GRADE
PROPOSED SILT FENCE
PROPOSED TEMPORARY ROCK CHECK DAM
PROPOSED WATTLE
PROPOSED INLET PROTECTION
PROPOSED TREE PROTECTION

ABBREVIATIONS

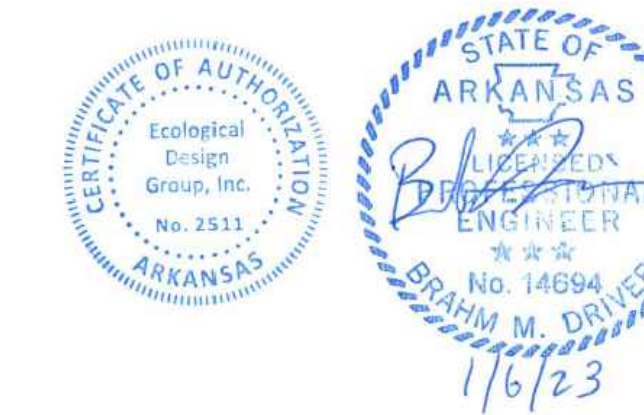
- BOC BACK OF CURB
BW BOTTOM WIDTH
C CENTERLINE
CL CLEARANCE
CMP CORRUGATED METAL PIPE
DIA DIAMETER
D/C DUAL CONTAINED
DWG DRAWING
E EASTING
EL ELEVATION
EXIST EXISTING
FES FLARED END SECTION
FL FLOW LINE
FT FEET
FLIN FLOW LINE IN
FL OUT FLOW LINE OUT
GA GAUGE
GMP GAS MONITORING PROBE
HDRPE HIGH DENSITY POLYETHYLENE
HORZ HORIZONTAL
ID INSIDE DIAMETER
INV INVERT
LB POUNDS
LD LEAK DETECTION
LEN LENGTH
LFG LANDFILL GAS
MAX MAXIMUM
MH MANHOLE
MIN MINIMUM
N NORTHING
N.T.S. NOT TO SCALE
OD OUTSIDE DIAMETER
R PROPERTY LINE
PVC POLYVINYL CHLORIDE
PL PLATE
R RADIUS
RCP REINFORCED CONCRETE PIPE
SCH SCHEDULE
SS STAINLESS STEEL
SQ SQUARE
STA STATION
TOC TOP OF CURB
TYP TYPICAL
VERT VERTICAL

1 GENERAL NOTES & LEGEND

Bentonville Public Library
Expansion
405 S Main Street
Bentonville, AR 72712
Project No. 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature

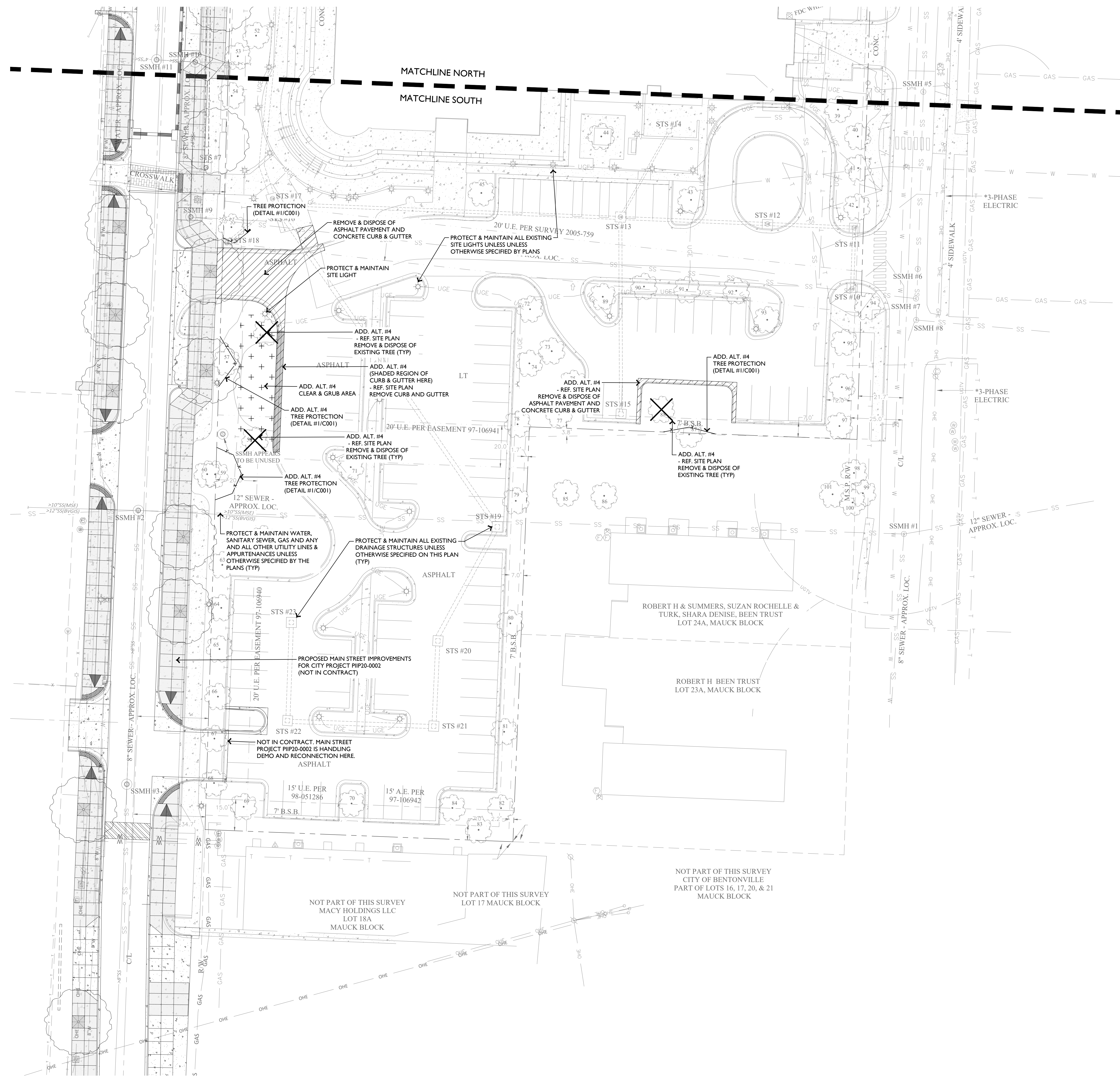
Print Name

Date License No

BID SET

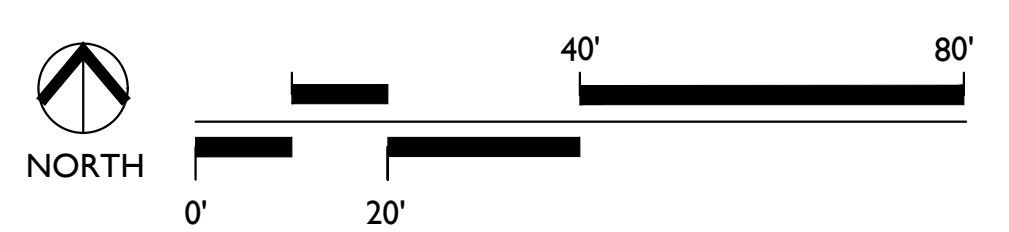
ISSUE / REVISION

Table with 2 columns: Mark, Date, Description. Includes entries for Schematic Design Pricing, Design Development Pricing, DD VE Option B, etc.



1 SITE DEMOLITION & TREE PROTECTION PLAN (SOUTH)

SCALE: 1" = 20'-0"



DEMOLITION LEGEND

	AREA OF CLEARING & GRUBBING
	AREA OF SAWCUT & REMOVAL OF ALL EXISTING STRUCTURE, FOUNDATIONS, FOOTINGS, AND ALL APPURTANCES
	TREE PROTECTION (DETAIL 2, SHEET C001)

Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0396

Associate Architect
Hight Jackson Associates PA
 5201 W Village Pkwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72756 | 501.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Pkwy #120
 Rogers, AR 72758 | 479.899.6370

Project No. 2021027

**Bentonville Public Library
 Expansion**
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal

Signature _____
 Print Name _____
 Date _____ License No. _____

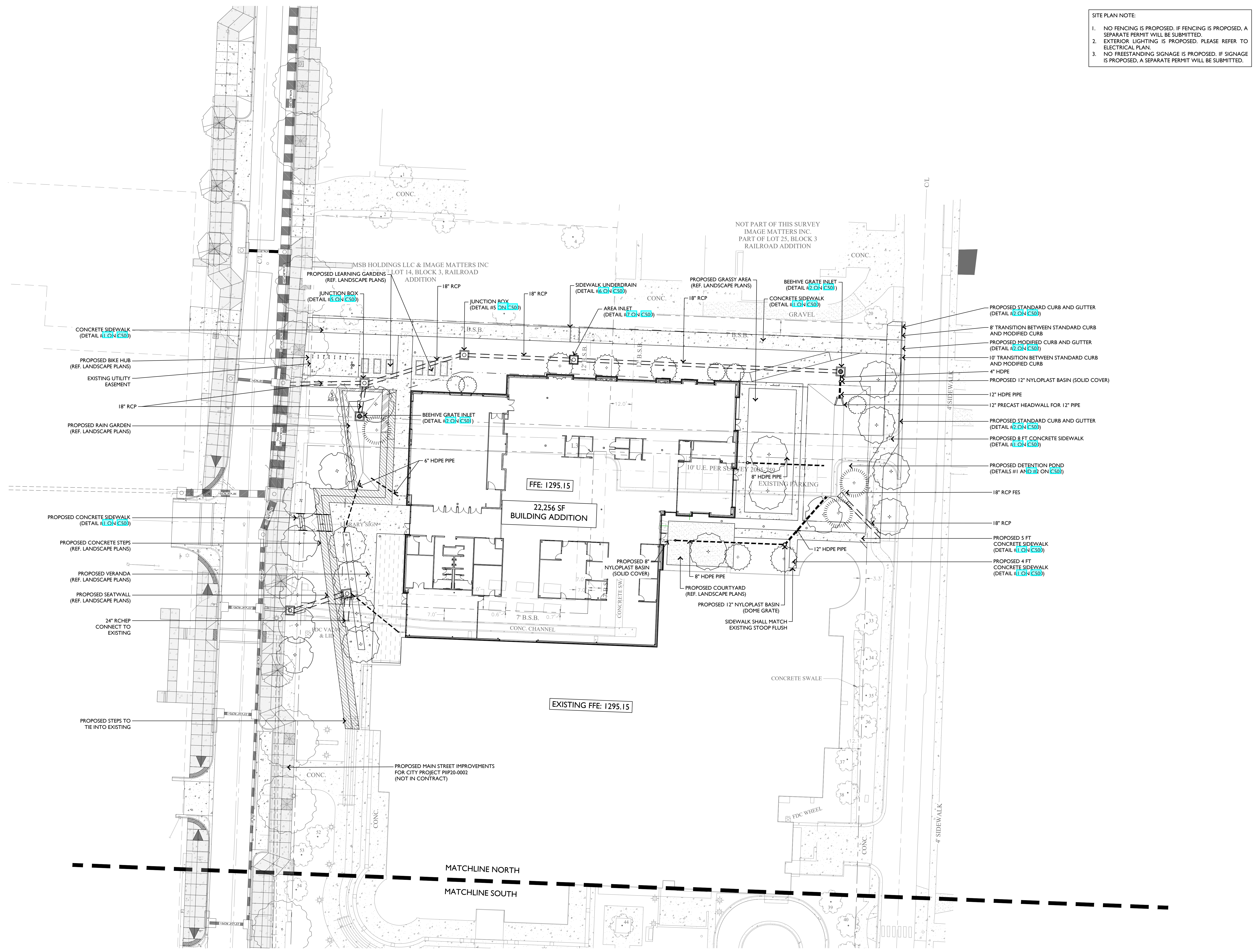
BID SET

ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
08/12/2022	08/12/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET

**SITE DEMOLITION &
 TREE PROTECTION
 PLAN (SOUTH)**

C002



SITE PLAN NOTE:

1. NO FENCING IS PROPOSED. IF FENCING IS PROPOSED, A SEPARATE PERMIT WILL BE SUBMITTED.
2. EXTERIOR LIGHTING IS PROPOSED. PLEASE REFER TO ELECTRICAL PLAN.
3. NO FREESTANDING SIGNAGE IS PROPOSED. IF SIGNAGE IS PROPOSED, A SEPARATE PERMIT WILL BE SUBMITTED.

Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0336

Associate Architect
Hight Jackson Associates PA
 5201 W Village Plwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72756 | 501.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Plwy #120
 Rogers, AR 72758 | 479.899.6370



Project No. 2021027

Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712
 AEC - Bentonville Public Library Expansion - LSD22-0462 - REVISION 1 - 7/24/2023

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.



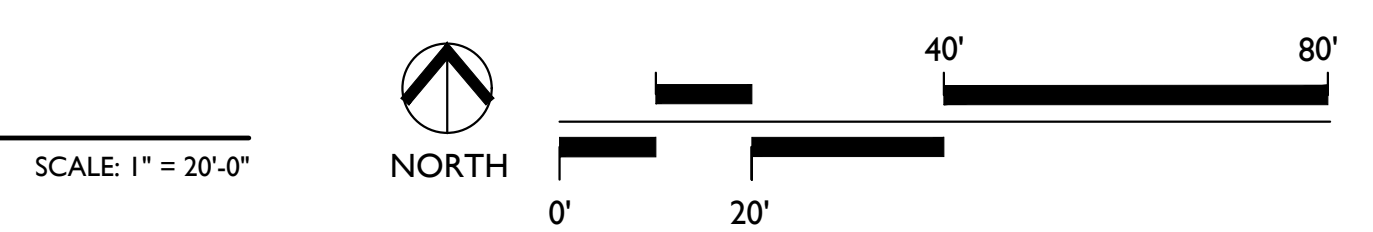
Signature _____
 Print Name _____
 Date _____ License No. _____

BID SET

ISSUE / REVISION

Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LSO SUBMITTAL
	11/28/2022	THIRD LSO SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET
	01/18/2023	BID SET - ADDENDUM 1
	02/22/2023	BID SET - ADDENDUM 3
	03/30/2023	ASI 2
	05/25/2023	ASI 4
	07/24/2023	ASI 5

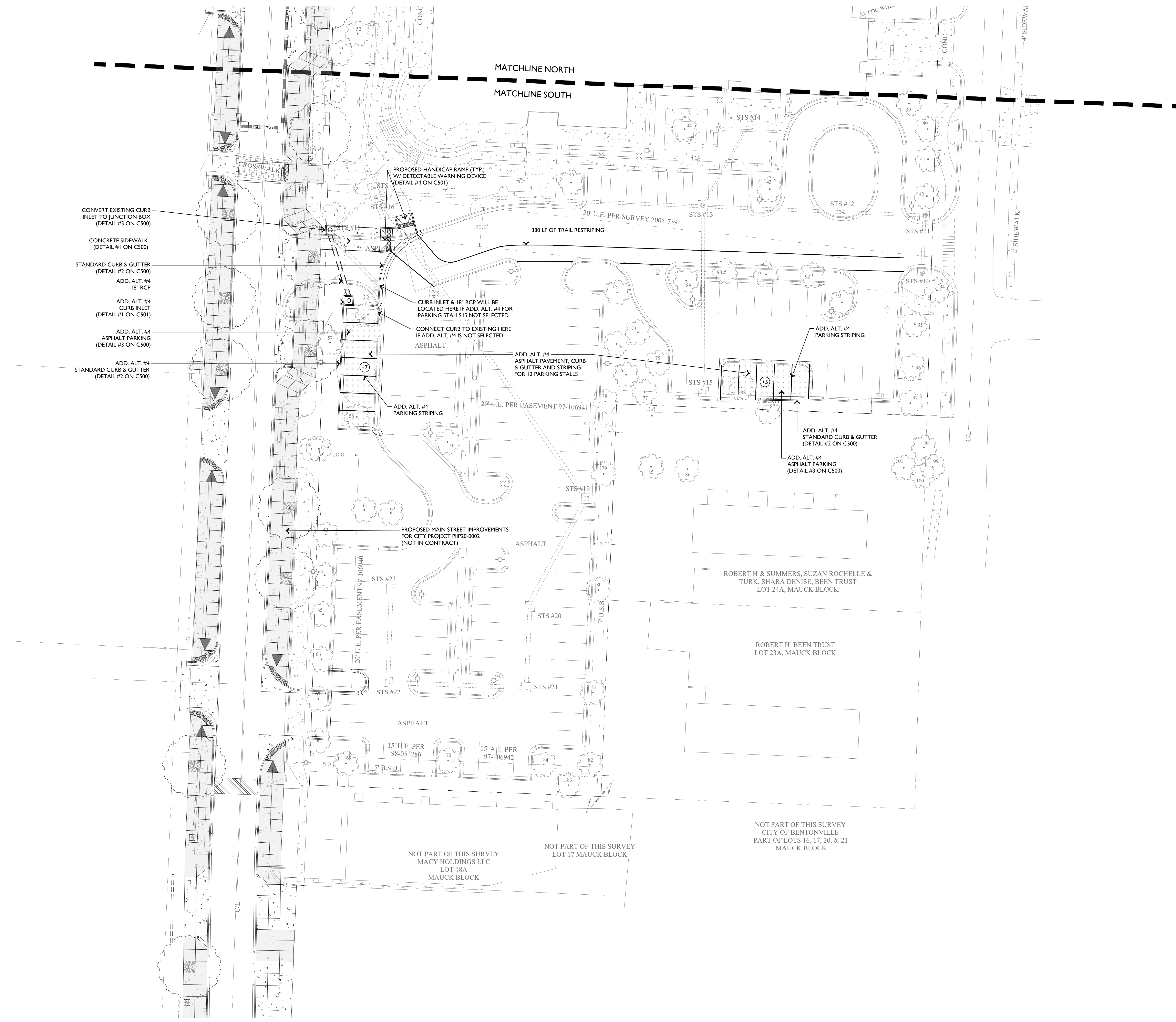
1 SITE PLAN (NORTH)



SITE PLAN (NORTH)

C100

SITE PLAN NOTE:
1. NO FENCING IS PROPOSED. IF FENCING IS PROPOSED, A SEPARATE PERMIT WILL BE SUBMITTED.
2. EXTERIOR LIGHTING IS PROPOSED. PLEASE REFER TO ELECTRICAL PLAN.
3. FREESTANDING SIGNAGE IS PROPOSED. PLEASE REFER TO LANDSCAPE PLANS.



**Bentonville Public Library
Expansion**
405 S Main Street
Bentonville, AR 72712

Project No: 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____
Print Name _____
Date _____ License No. _____

BID SET

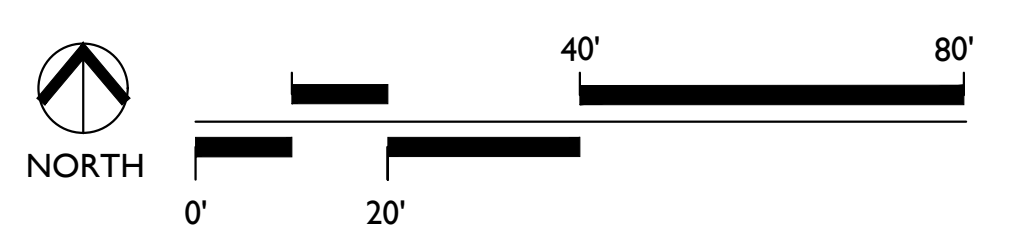
ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/1/2022	8/1/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE-APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET

Drawing 001 Copyright/Owner: Owner & Residents, LLC

1 SITE PLAN (SOUTH)

SCALE: 1" = 20'-0"



SITE PLAN (SOUTH)

C101



Bentonville Public Library Expansion

405 S Main Street
Bentonville, AR 72712

AFC - Bentonville Public Library Expansion - LSD22-0462 - REVISION 1 - 7/24/2023

Project No. 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____

Print Name _____

Date _____ License No. _____

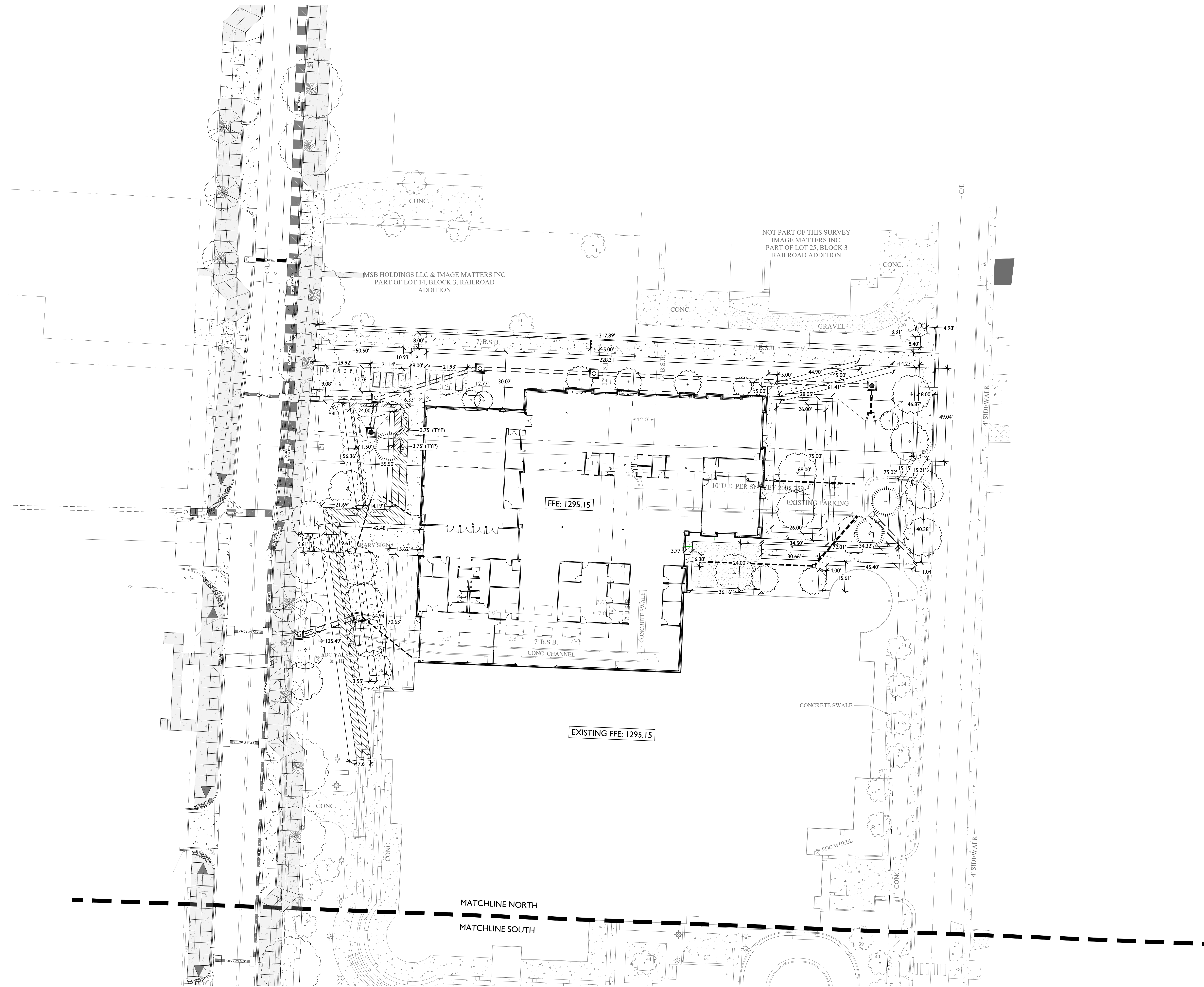
ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/1/2022	8/1/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LSO SUBMITTAL
11/28/2022	11/28/2022	THIRD LSO SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET
01/18/2023	01/18/2023	BID SET - ADDENDUM 1
02/22/2023	02/22/2023	BID SET - ADDENDUM 3
03/30/2023	03/30/2023	ASI 2
05/25/2023	05/25/2023	ASI 4
07/24/2023	07/24/2023	ASI 5

©2023 MSRDesign, Inc. All Rights Reserved.

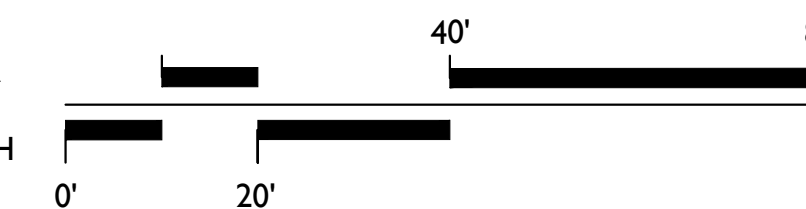
SITE LAYOUT PLAN (NORTH)

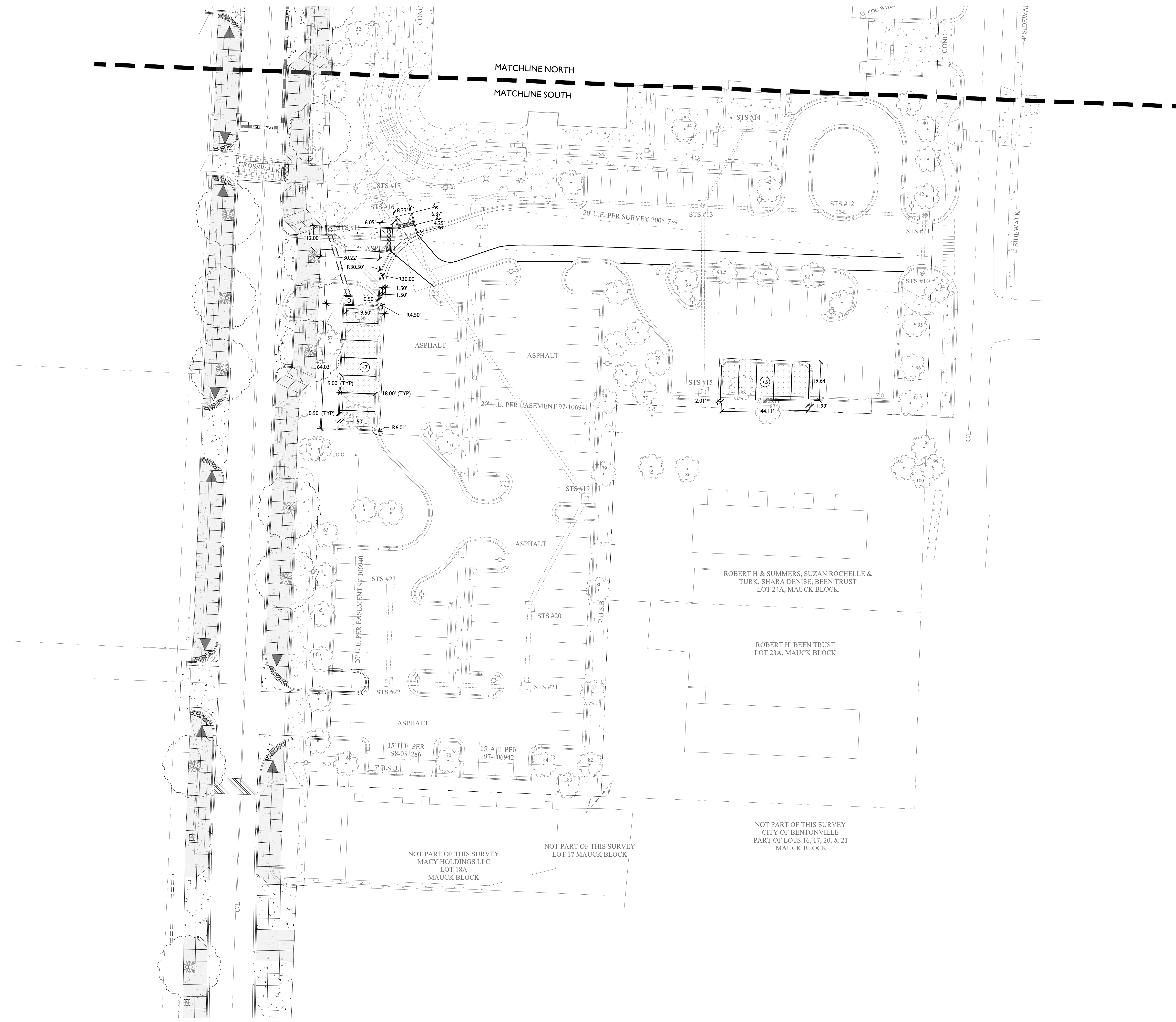
C102



1 SITE LAYOUT PLAN (NORTH)

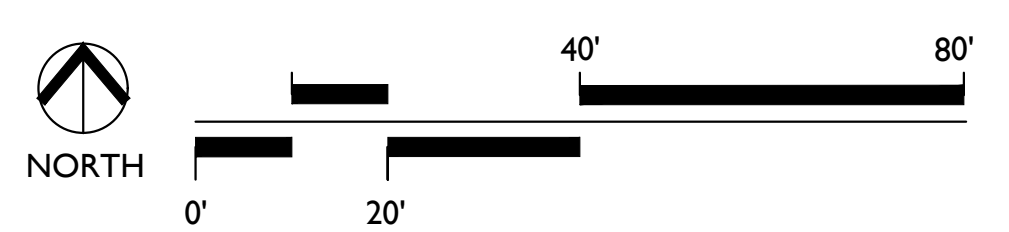
SCALE: 1" = 20'-0"





1 SITE LAYOUT PLAN (SOUTH)

SCALE: 1" = 20'-0"



Project No: 2021027

Bentonville Public Library Expansion

405 S Main Street
Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____
 Print Name _____
 Date _____ License No. _____

BID SET

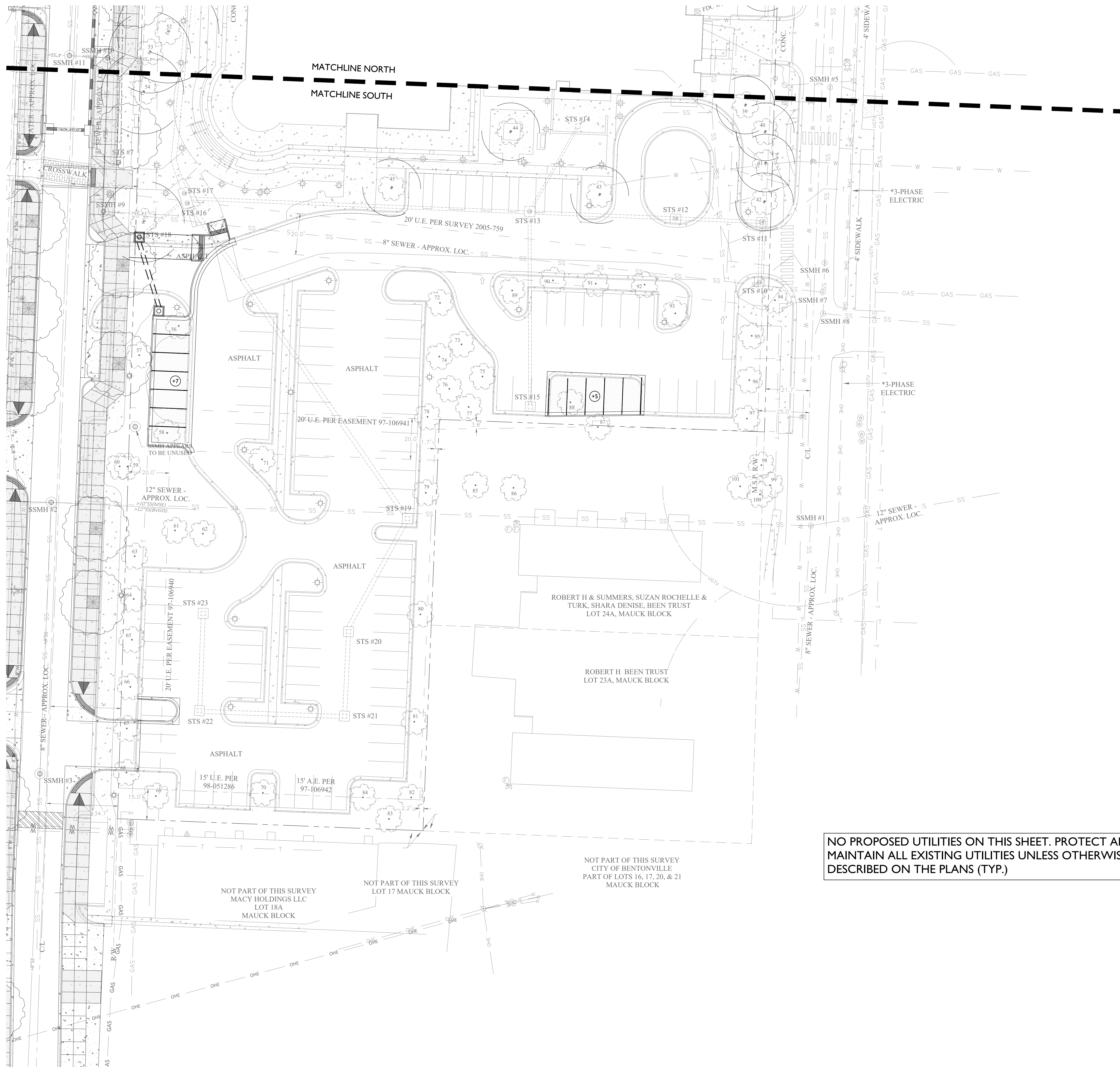
ISSUE / REVISION

Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LRD SUBMITTAL
	11/28/2022	THIRD LRD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET

© 2023 MSRDesign, Inc. All Rights Reserved.

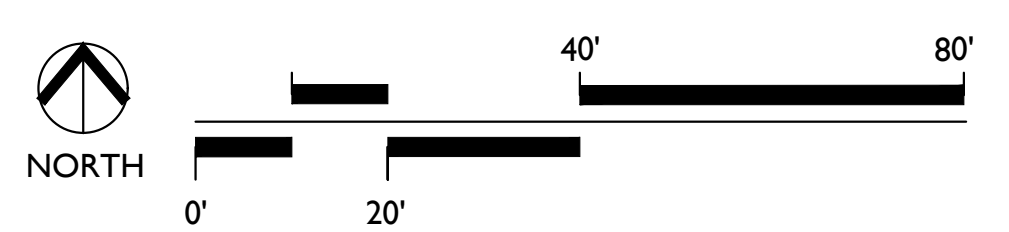
SITE LAYOUT PLAN (SOUTH)

C103



1 SITE UTILITY PLAN (SOUTH)

SCALE: 1" = 20'-0"



NO PROPOSED UTILITIES ON THIS SHEET. PROTECT AND MAINTAIN ALL EXISTING UTILITIES UNLESS OTHERWISE DESCRIBED ON THE PLANS (TYP.)

Project No. 2021027

**Bentonville Public Library
Expansion**
405 S Main Street
Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____
Print Name _____
Date _____ License No. _____

BID SET

ISSUE / REVISION

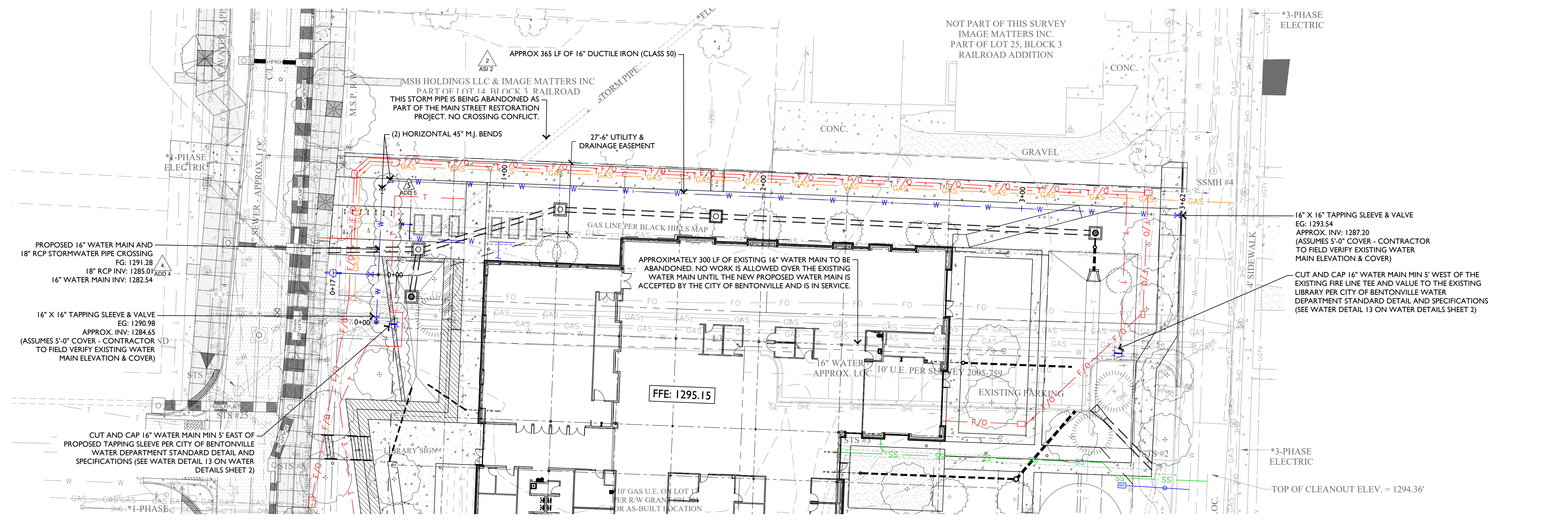
Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/1/2022	8/1/2022	DD VE OPTION B
10/13/2022	10/13/2022	FRE APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET

©2023 MSRDesign, Hight Jackson Associates PA, E|D|G, TEN x TEN, Tatum Smith Welcher Engineers, Inc., HP Engineering, Inc.

SITE UTILITY PLAN (SOUTH)

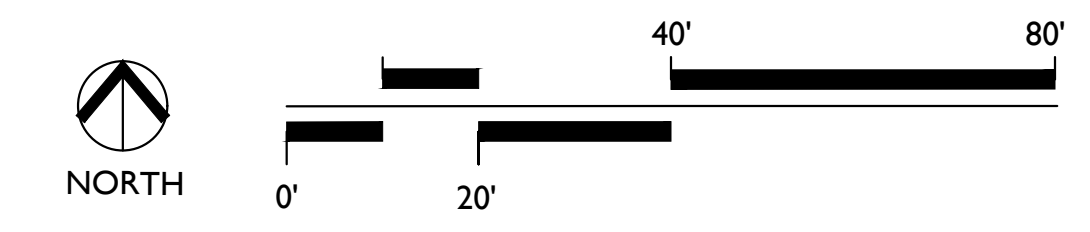
C201

- PROPOSED UTILITY LEGEND**
- W WATER LINE
 - SS SANITARY SEWER LINE
 - GAS GAS LINE
 - T TELECOM LINE
 - F/O FIBER OPTIC LINE
 - ⊕ WATER METER
 - ⊕ GATE VALVE FOR WATER
 - ⊕ FIRE DEPARTMENT CONNECTION (FDC)

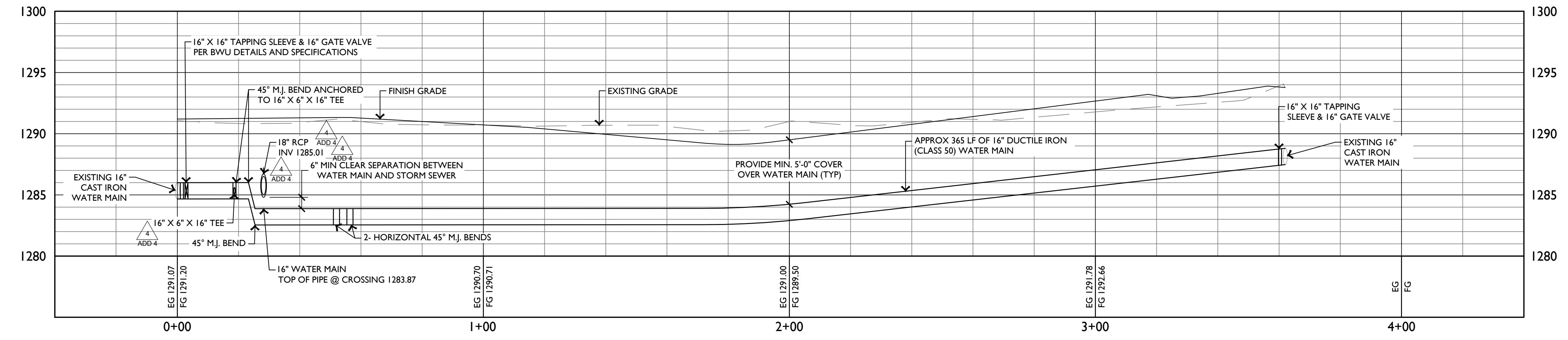


1 16 INCH WATER MAIN PLAN

SCALE: 1" = 20'-0"



16 INCH WATER MAIN PROFILE



2 16 INCH WATER MAIN PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 5'-0"

Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0396

Associate Architect
Hight Jackson Associates PA
 5201 W Village Pkwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72756 | 501.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Pkwy #120
 Rogers, AR 72758 | 479.899.6370



Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712
 AFC - Bentonville Public Library Expansion - LSD22-0062 - REVISION 2 - 7/24/2023

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.



Signature _____
 Print Name _____
 Date _____ License No _____

BID SET

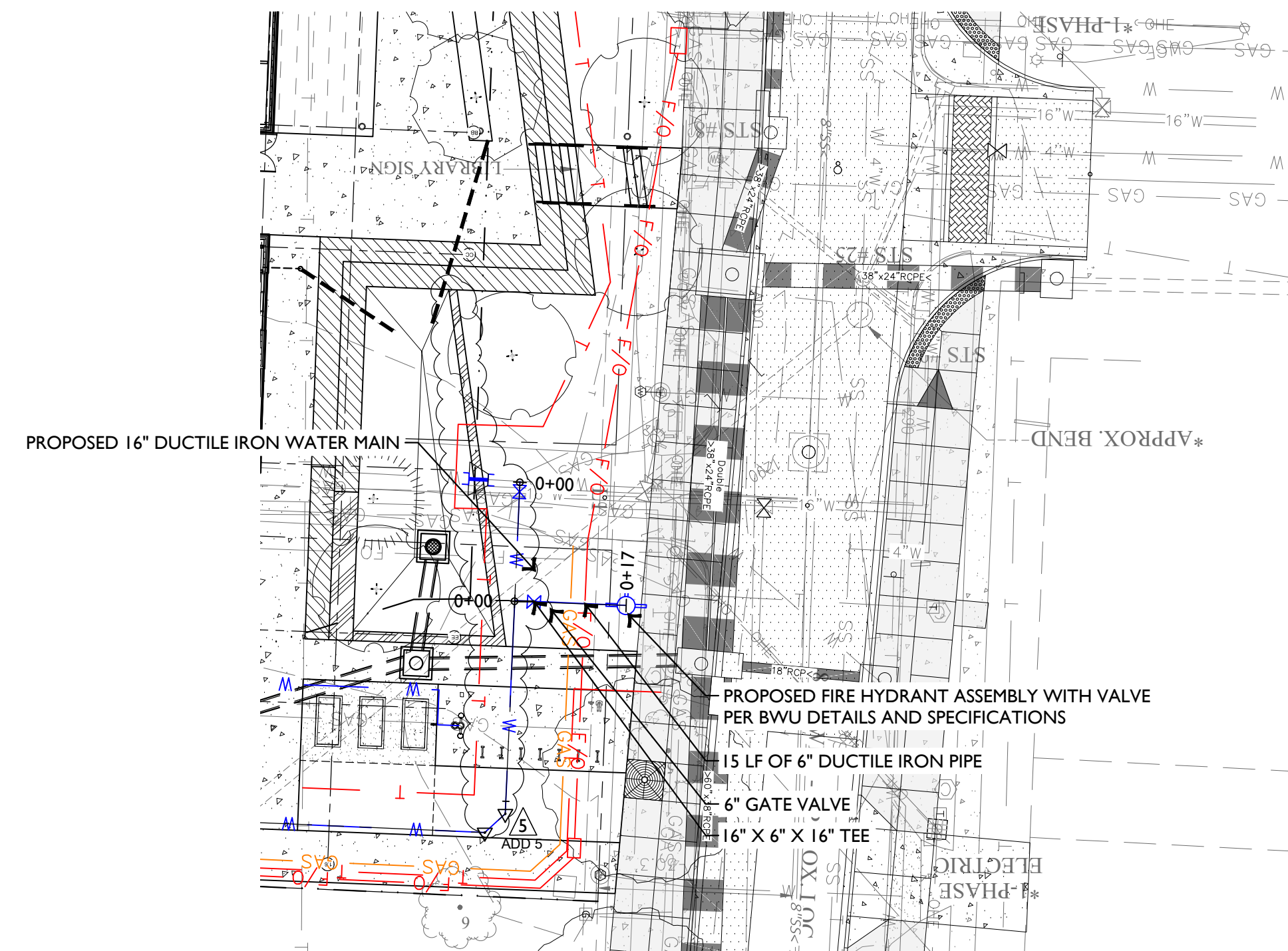
ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/12/2022	8/12/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET
01/18/2023	01/18/2023	BID SET - ADDENDUM 1
02/22/2023	02/22/2023	BID SET - ADDENDUM 3
03/30/2023	03/30/2023	ASI 2
05/25/2023	05/25/2023	ASI 4
07/24/2023	07/24/2023	ASI 5

16 INCH WATER MAIN PLAN & PROFILE
C210

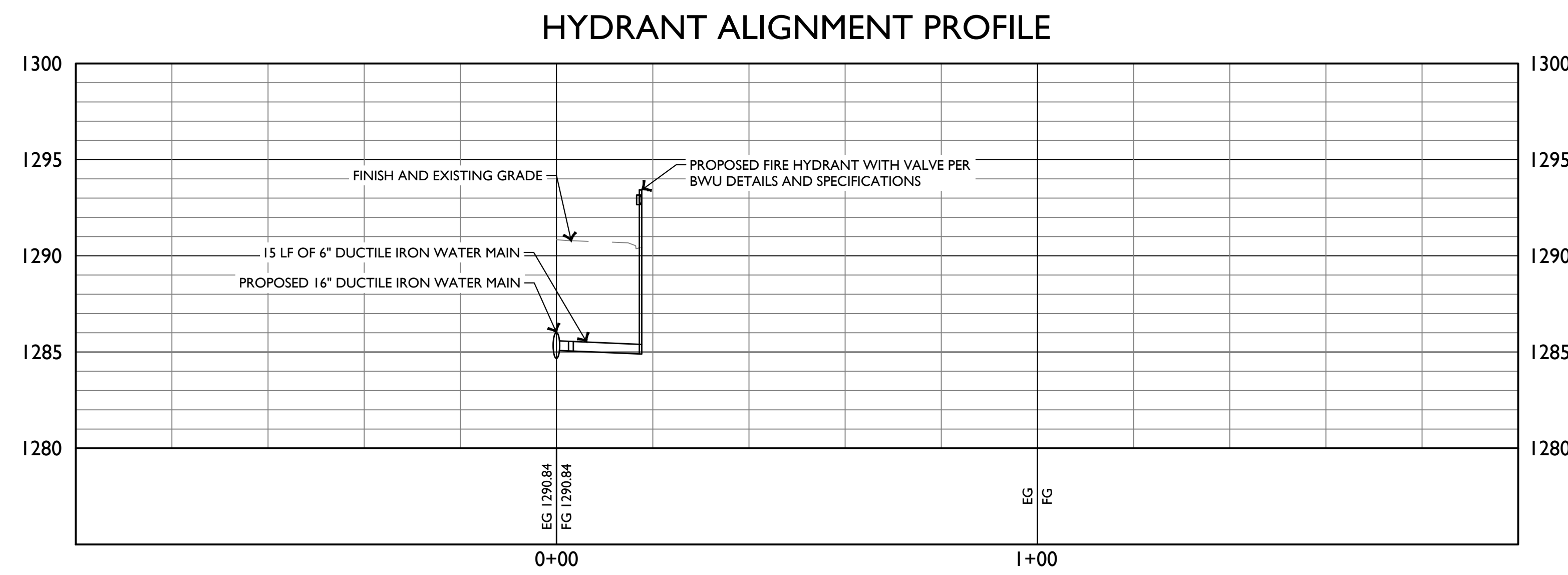
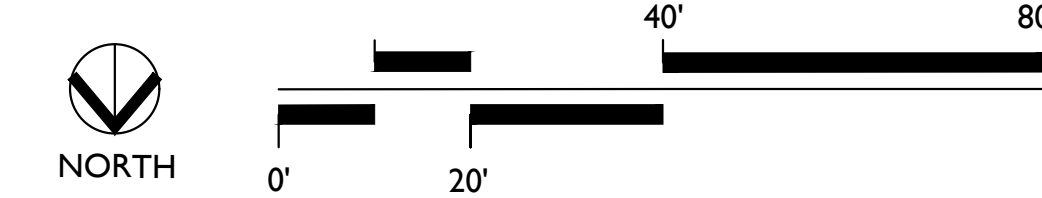
PROPOSED UTILITY LEGEND

W	WATER LINE
SS	SANITARY SEWER LINE
GAS	GAS LINE
T	TELECOM LINE
F/O	FIBER OPTIC LINE
⊙	WATER METER
⊗	GATE VALVE FOR WATER
⊕	FIRE DEPARTMENT CONNECTION (FDC)



1 HYDRANT PLAN

SCALE: 1" = 20'-0"



2 HYDRANT PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 5'-0"

MSRDesign
510 Marquette Avenue South, Suite 200
Minneapolis, MN 55402 | 612.375.0336

Hight Jackson Associates PA
5201 W Village Pkwy #300
Rogers, AR 72758 | 479.464.4965

E | D | G

216 West Birch Street
Rogers, AR 72756 | 501.378.0200

TEN x TEN

575 SE 9th St #210
Minneapolis, MN 55414 | 612.440.8369

Tatum Smith Welcher Engineers, Inc.

3100 S Market St #202
Rogers, AR 72758 | 479.621.6128

HP Engineering, Inc.

5214 W Village Pkwy #120
Rogers, AR 72758 | 479.899.6370



Project No. 2021027

Bentonville Public Library Expansion
405 S Main Street
Bentonville, AR 72712

AFC - Bentonville Public Library Expansion - LSD22-0062 - REVISION 2 - 7/24/2023

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____

Print Name _____

Date _____ License No. _____

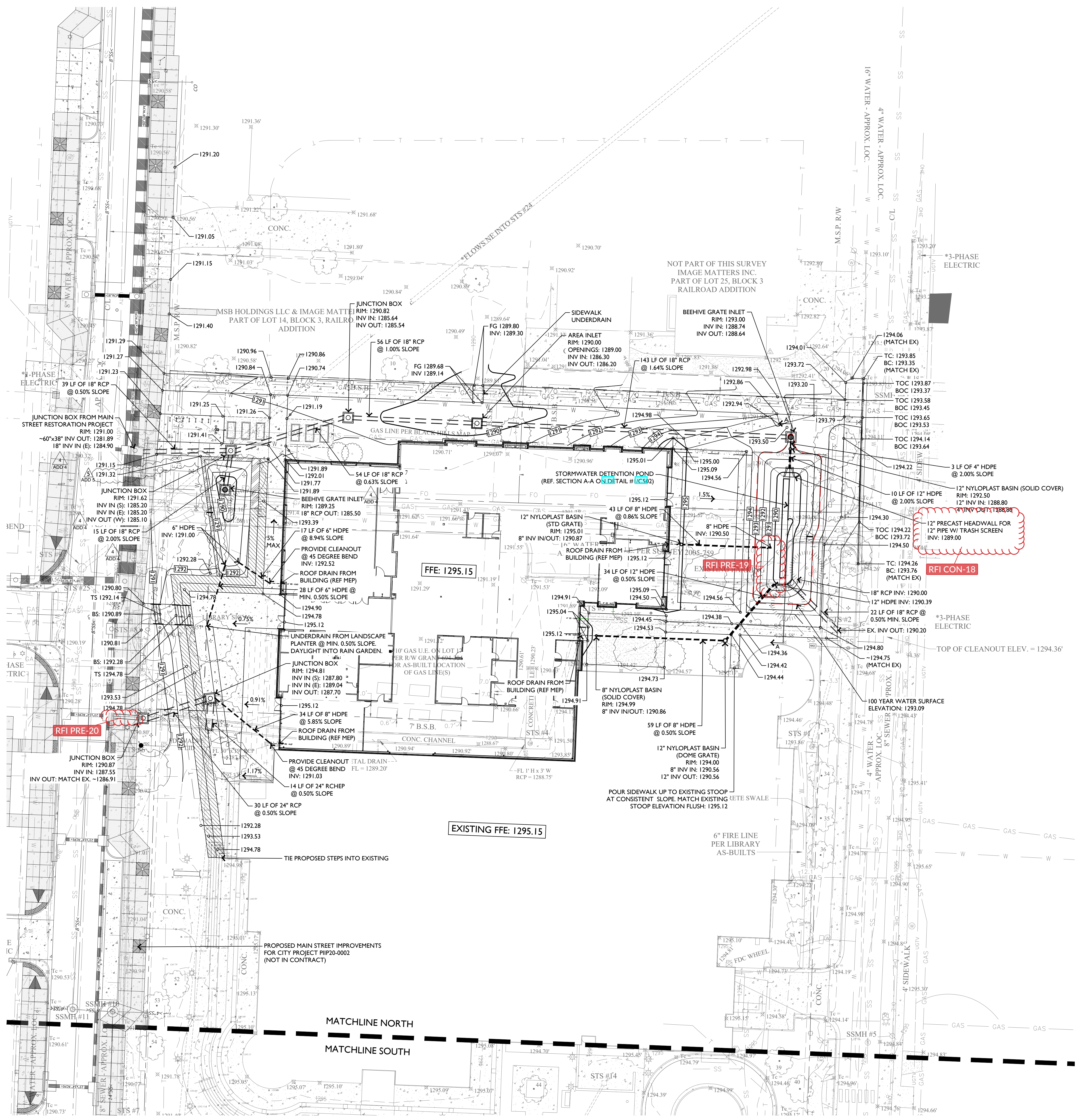
BID SET

ISSUE / REVISION

Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/12/2022	DD VE OPTION B
	10/13/2022	PRE APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LSD SUBMITTAL
	11/28/2022	THIRD LSD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET
	01/18/2023	BID SET - ADDENDUM 1
	02/22/2023	BID SET - ADDENDUM 3
	03/30/2023	ASI 2
	05/25/2023	ASI 4
	07/24/2023	ASI 5

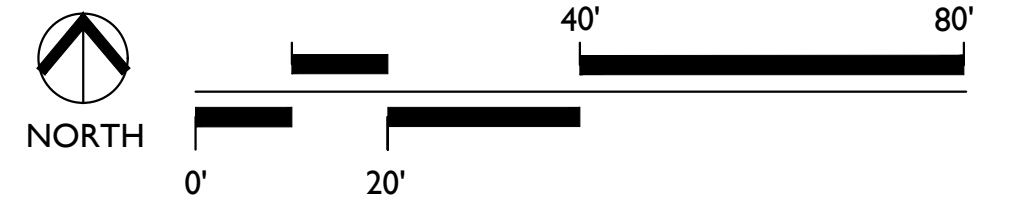
HYDRANT WATER MAIN PLAN & PROFILE

C220



1 SITE GRADING & DRAINAGE PLAN (NORTH)

SCALE: 1" = 20'-0"



Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0336

Associate Architect
Hight Jackson Associates PA
 5201 W Village Pkwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72758 | 479.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Pkwy #120
 Rogers, AR 72758 | 479.899.6370



Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712
 AEC - Bentonville Public Library Expansion - LSD22-046C - REVISION 1 - 7/24/2023

Project No. 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.



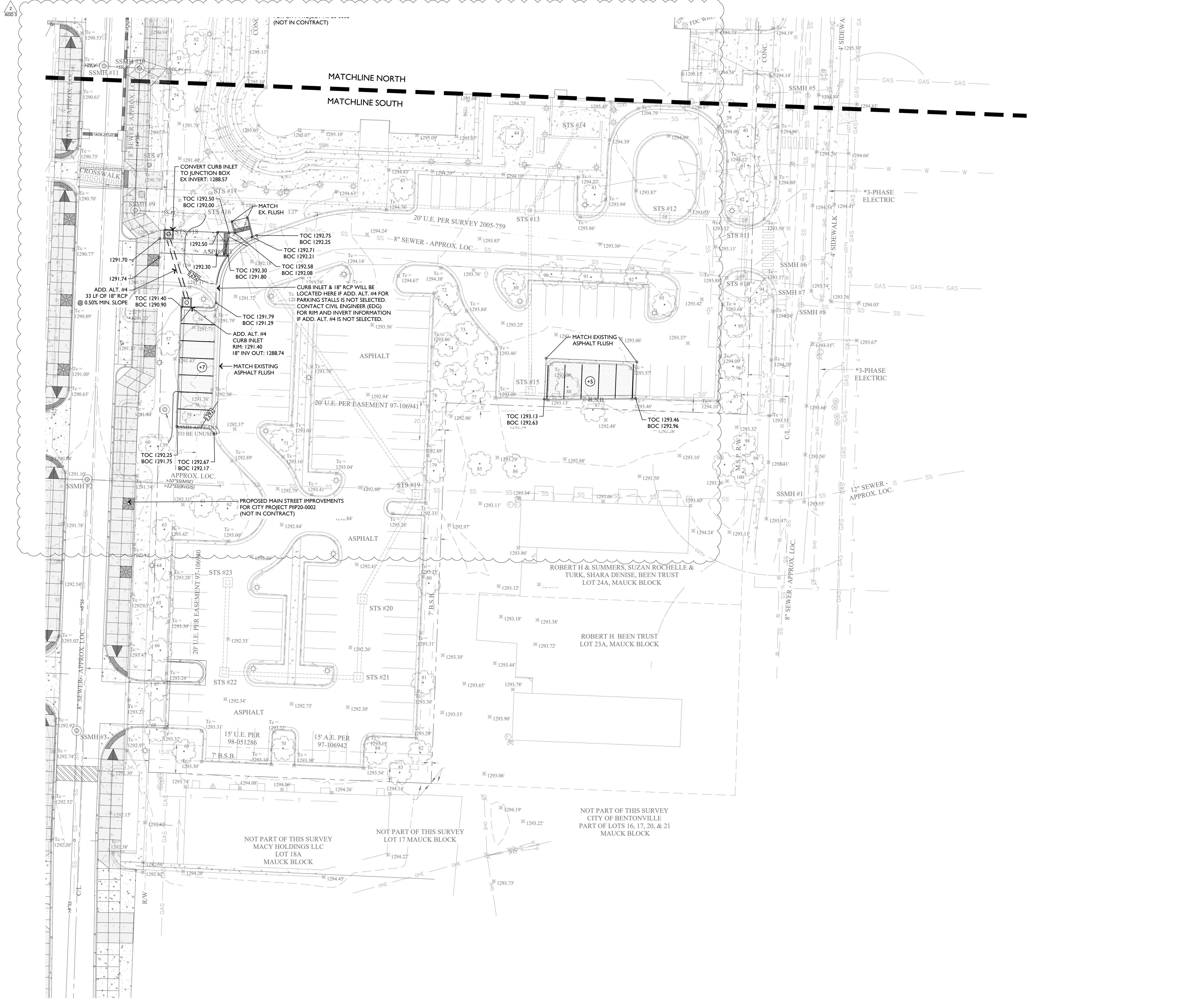
Signature _____
 Print Name _____
 Date _____ License No. _____

BID SET

ISSUE / REVISION

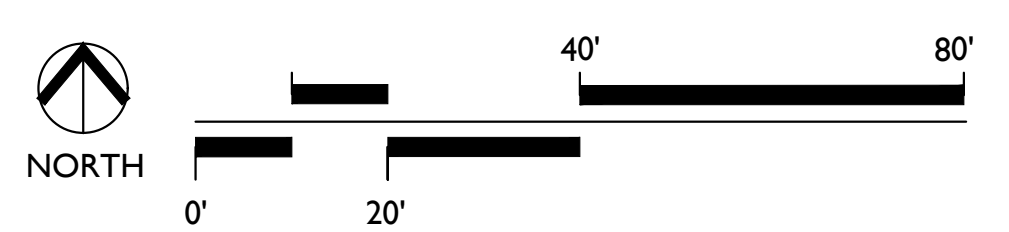
Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE-APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LSO SUBMITTAL
	11/28/2022	THIRD LSO SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET
	01/18/2023	BID SET - ADDENDUM 1
	05/25/2023	BID SET - ADDENDUM 3
	03/30/2023	ASI 2
	05/25/2023	ASI 4
	07/24/2023	ASI 5

SITE GRADING & DRAINAGE PLAN (NORTH)
C300



1 SITE GRADING & DRAINAGE PLAN (SOUTH)

SCALE: 1" = 20'-0"



Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0396

Associate Architect
Hight Jackson Associates PA
 5201 W Village Pkwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72756 | 501.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Pkwy #120
 Rogers, AR 72758 | 479.899.6370

Project No. 2021027

Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal

Signature _____
 Print Name _____
 Date _____ License No. _____

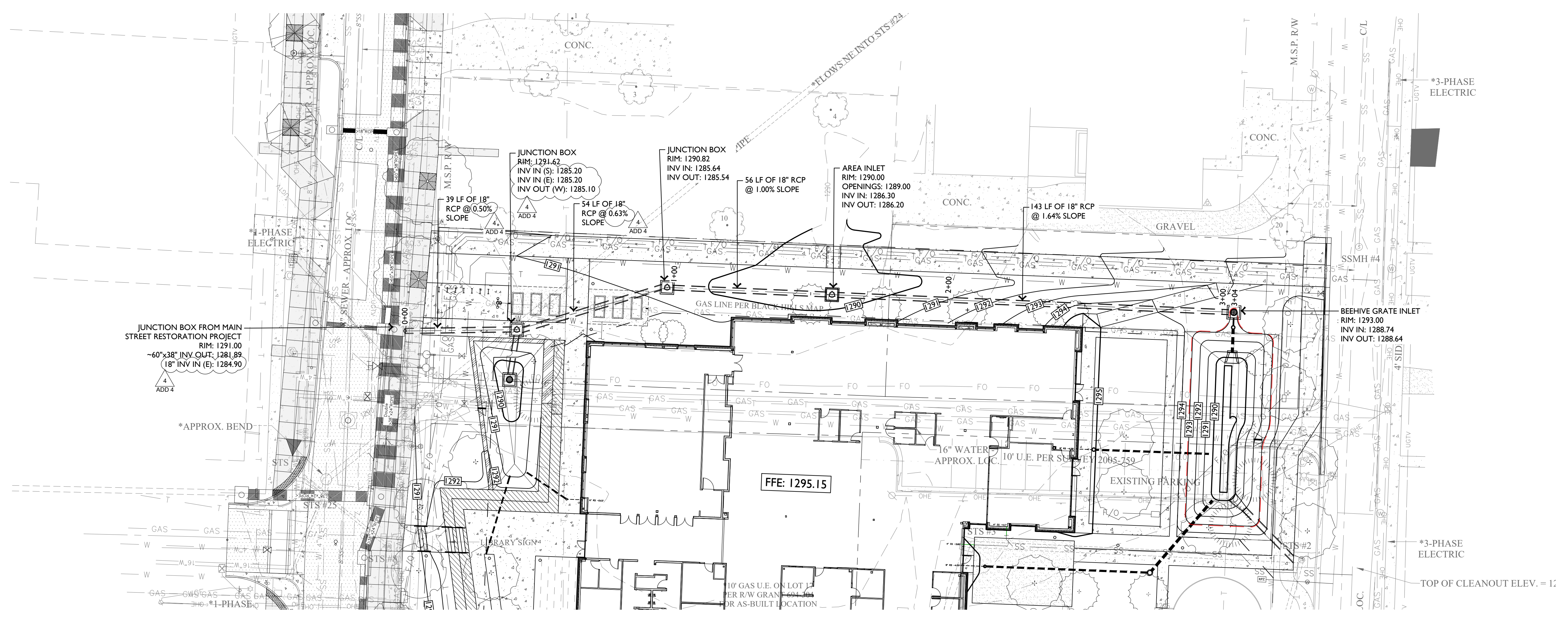
BID SET

ISSUE / REVISION

Mark	Date	Description
	12/10/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE-APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LRD SUBMITTAL
	11/28/2022	THIRD LRD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET
	01/18/2023	BID SET - ADDENDUM 1
	02/22/2023	BID SET - ADDENDUM 3

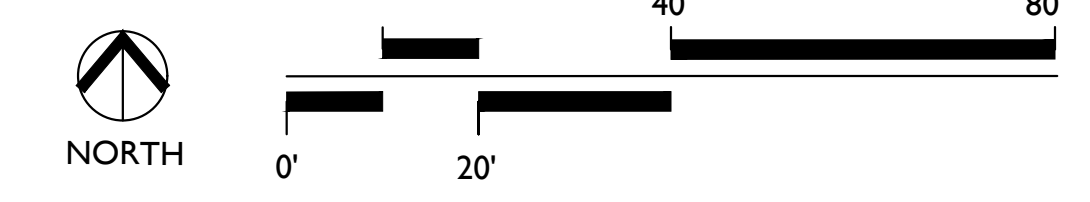
SITE GRADING & DRAINAGE PLAN (SOUTH)

C301

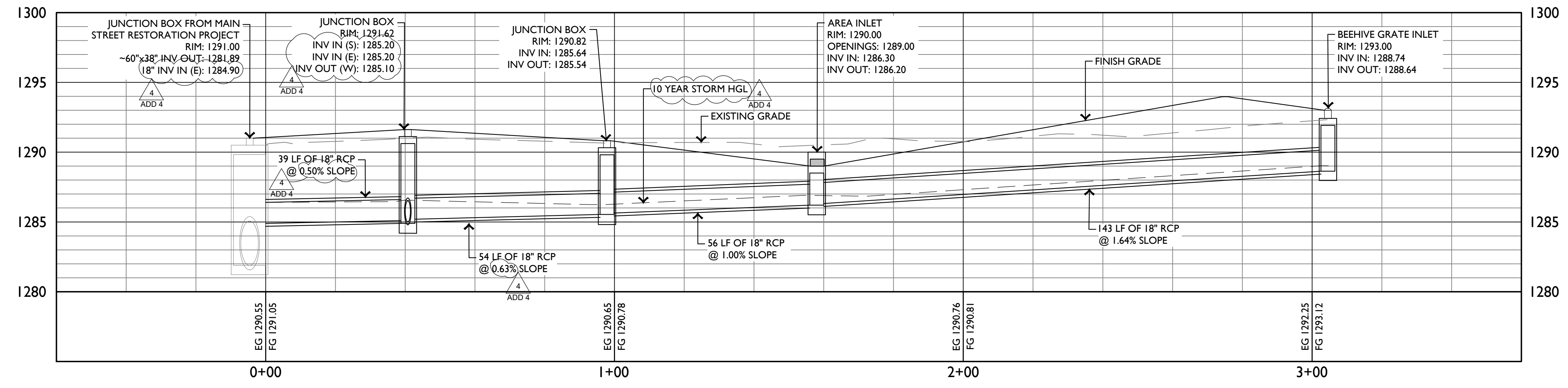


1 STORMWATER PLAN

SCALE: 1" = 20'-0"



STORMWATER PROFILE



2 STORMWATER PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 5'-0"

Bentonville Public Library
Expansion
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.



Signature _____
 Print Name _____
 Date _____ License No. _____

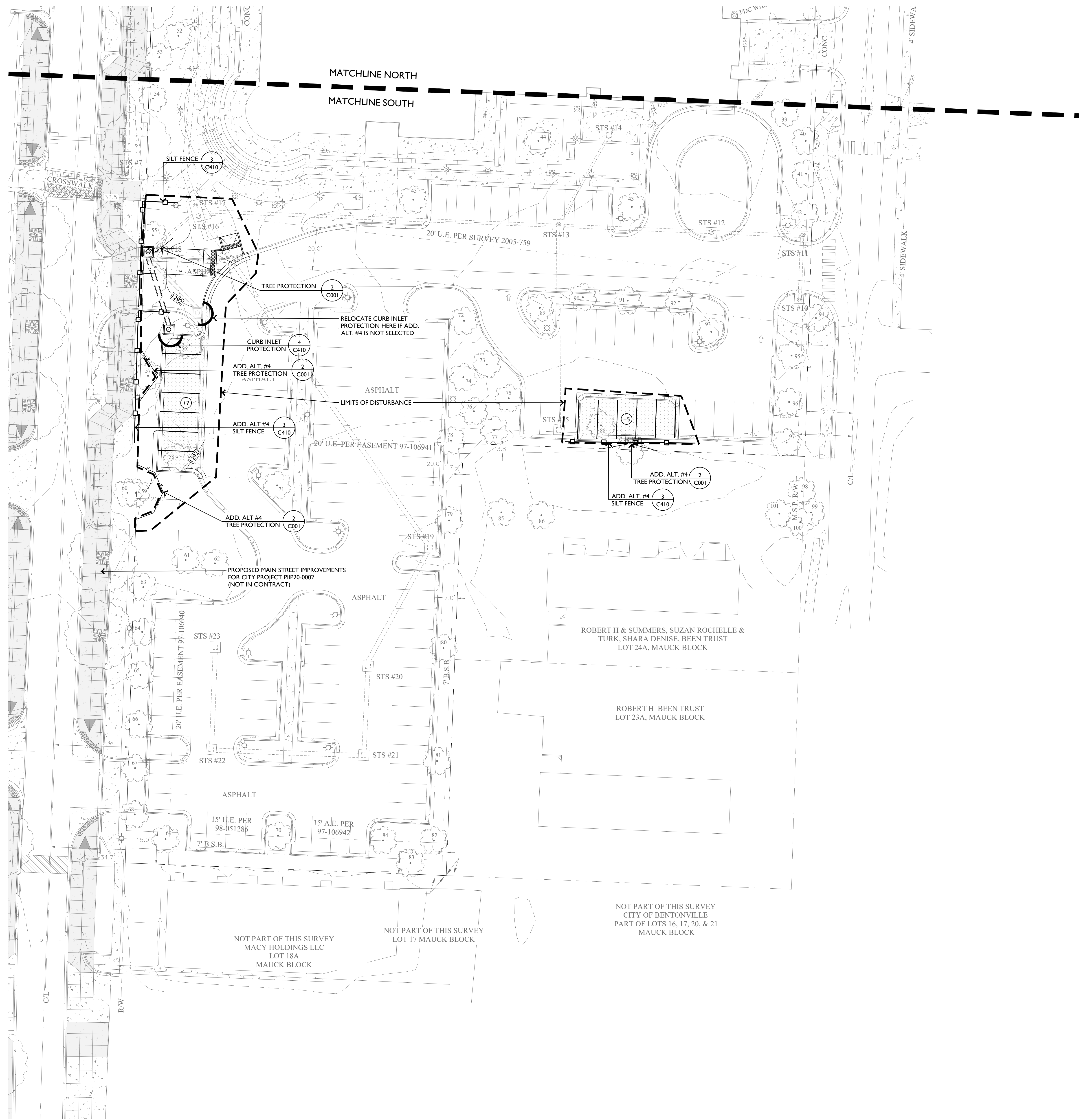
BID SET

ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/1/2022	8/1/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE-APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET
01/18/2023	01/18/2023	BID SET - ADDENDUM 1
02/22/2023	02/22/2023	BID SET - ADDENDUM 3
03/30/2023	03/30/2023	ASI 2
05/22/2023	05/22/2023	ASI 4

STORMWATER PLAN & PROFILE

C310



LIMITS OF DISTURBANCE
65732 SF / 1.51 AC

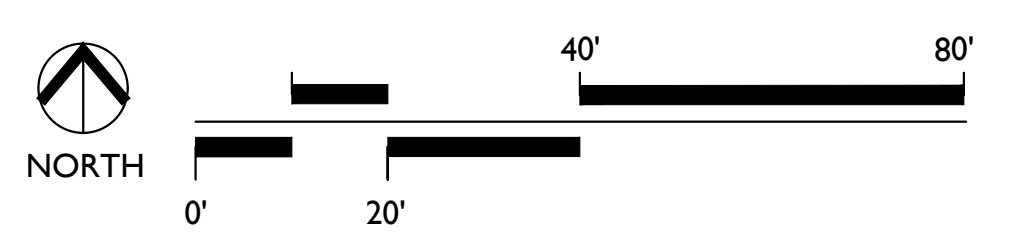
- PROPOSED LEGEND**
- PROPOSED SILT FENCE
 - PROPOSED TEMPORARY ROCK CHECK DAM
 - PROPOSED WATTLE
 - PROPOSED DROP INLET PROTECTION
 - PROPOSED TREE PROTECTION
 - PROPOSED CURB INLET PROTECTION
 - CONCRETE WASHOUT
 - LIMITS OF CLEARING AND GRADING
 - CONSTRUCTION ENTRANCE

- SEEDING NOTES:**
- ALL DISTURBED AREAS TO RECEIVE 2" COMPOST UNLESS SOD IS SHOWN. SEED DISTURBED AREAS WITH THE FOLLOWING:
 - 5 LBS/ACRE SOUTHERN WOODLAND EDGE/PART SHADE MIX 181
 - AVAILABLE FROM: ROUNDSTONE NATIVE SEED, LLC 9764 RAIDER HOLLOW ROAD UFTON, KY. 42784 (NO SUBSTITUTIONS)
 - 10 LBS/ACRE - VIRGINIA WILD RYE - *Elymus virginicus*
 - 1 LBS/ACRE - BROWN EYED SUSAN - *Rudbeckia triloba*
 - 10 LBS/ACRE BROWN TOP MILLET
 - APPLY WOVEN JUTE 100% BIODEGRADABLE EROSION CONTROL MATTING ON ALL SLOPES WITH A SLOPE OF 3:1 OR GREATER. USE MAT MANUFACTURERS RECOMMENDED PINS AND PINNING METHOD.

PROJECT AREA: 4.77 ACRES
DISTURBED AREA: 1.44 ACRES
OWNER / OPERATOR:
CITY OF BENTONVILLE
HADI DUDLEY

1 EROSION CONTROL PLAN (SOUTH)

SCALE: 1" = 20'-0"



Architecture and Interiors
MSRDesign
 510 Marquette Avenue South, Suite 200
 Minneapolis, MN 55402 | 612.375.0396

Associate Architect
Hight Jackson Associates PA
 5201 W Village Pkwy #300
 Rogers, AR 72758 | 479.464.4965

Civil Engineer
E | D | G
 216 West Birch Street
 Rogers, AR 72758 | 501.378.0200

Landscape Architect
TEN x TEN
 575 SE 9th St #210
 Minneapolis, MN 55414 | 612.440.8369

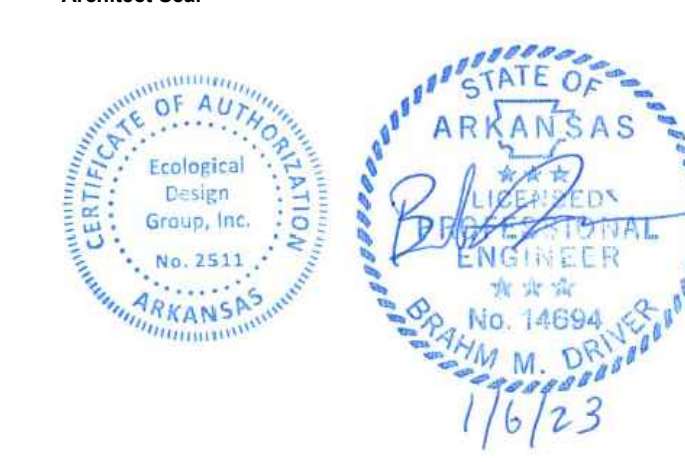
Structural Engineer
Tatum Smith Welcher Engineers, Inc.
 3100 S Market St #202
 Rogers, AR 72758 | 479.621.6128

MEP Engineer
HP Engineering, Inc.
 5214 W Village Pkwy #120
 Rogers, AR 72758 | 479.899.6370

Project No. 2021027

Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.



Signature _____
 Print Name _____
 Date _____ License No. _____

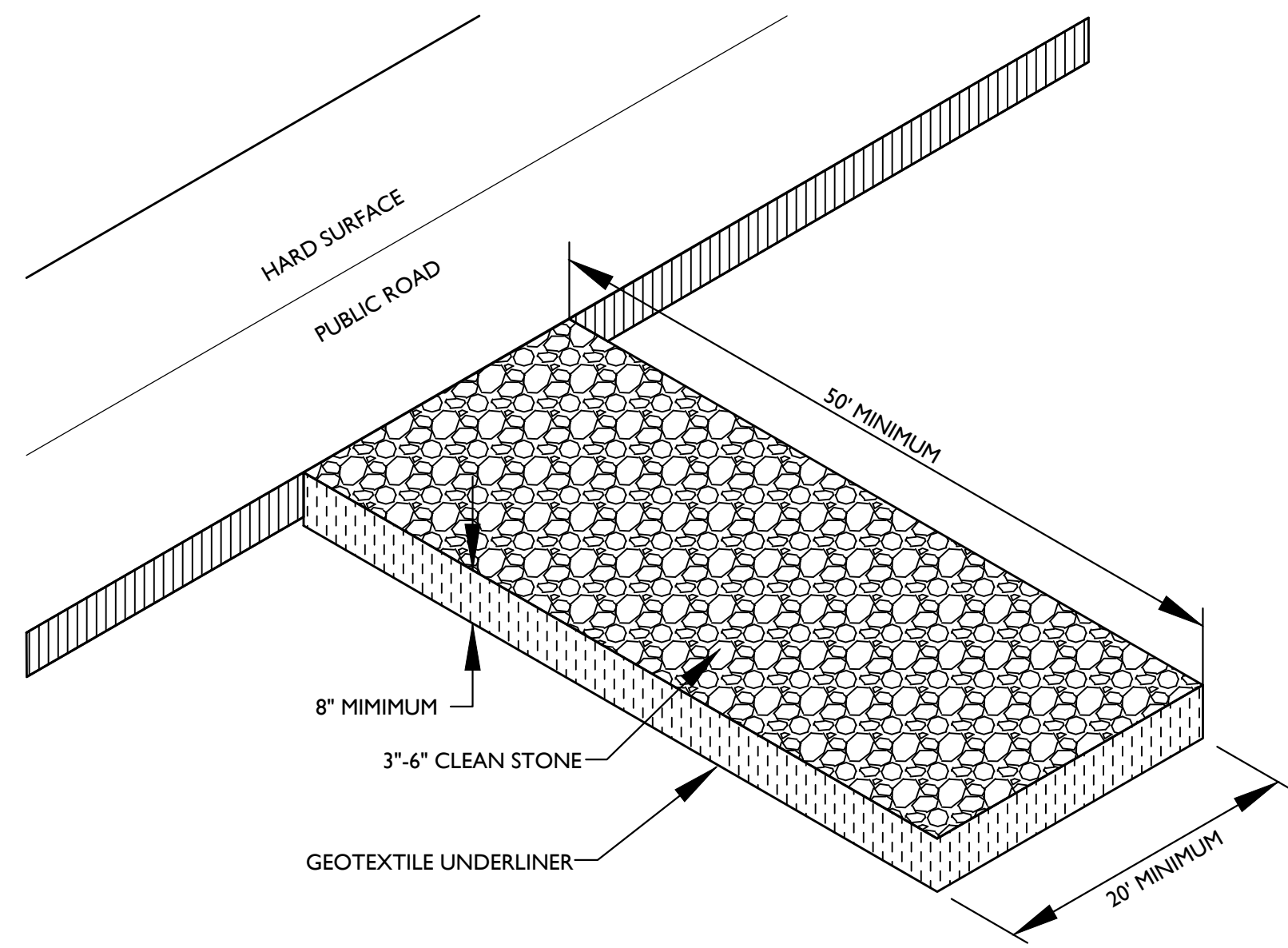
BID SET

ISSUE / REVISION

Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE-APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LRD SUBMITTAL
	11/28/2022	THIRD LRD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET

©2023 MSRDesign, Inc. All Rights Reserved.

EROSION CONTROL PLAN (SOUTH)
C401

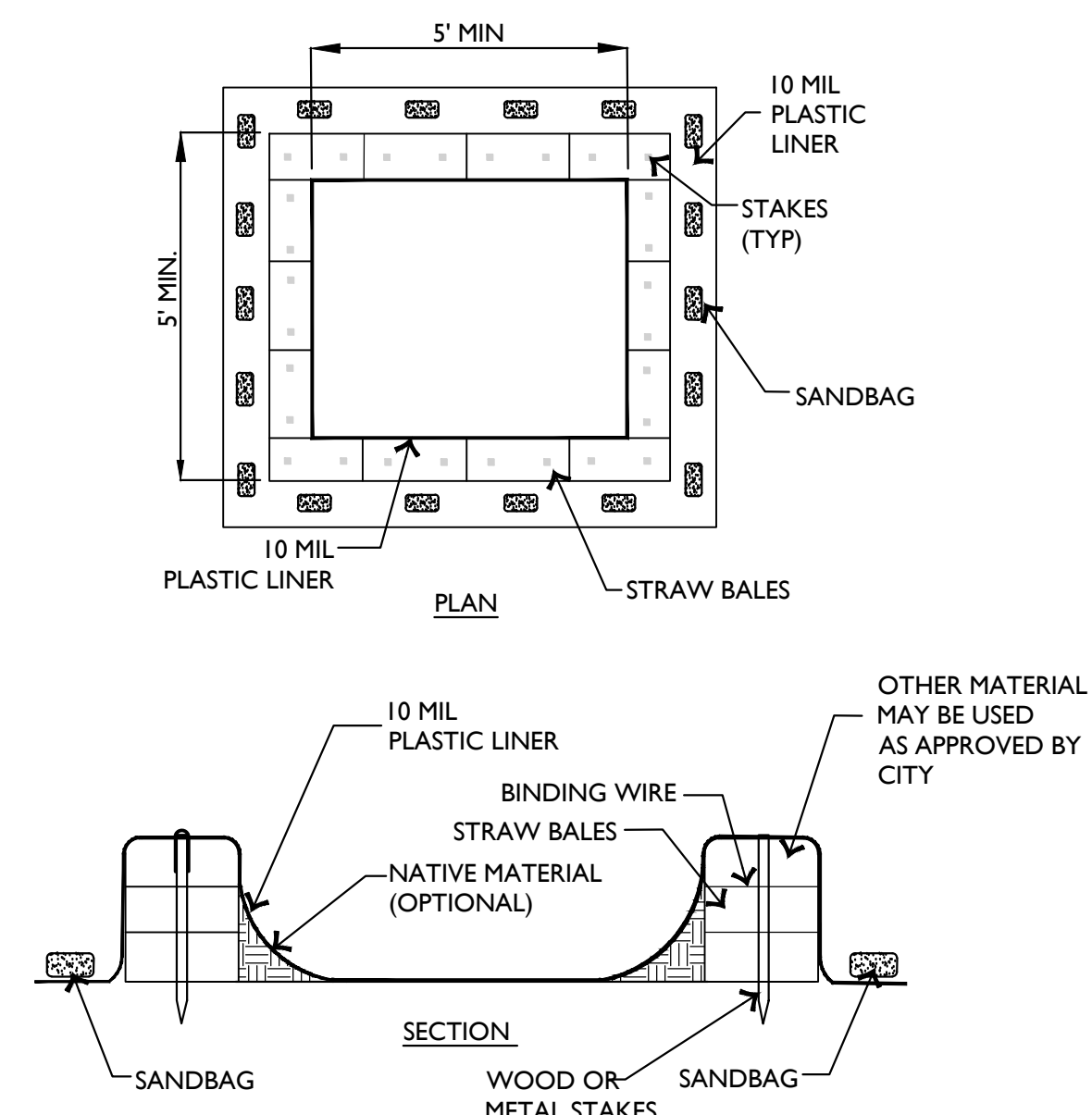


CONSTRUCTION EXIT NOTES

1. REPLACE CONTAMINATED STONE AS REQUIRED TO PREVENT TRACKING OF SEDIMENT OR MUD ON PUBLIC STREETS.
2. CLEAN STREETS DAILY WITH BROOM AND SHOVEL. THE USE OF WATER IS PROHIBITED.
3. ALL VEHICLES MUST USE CONSTRUCTION EXIT.

1 CONSTRUCTION ENTRANCE

SCALE: N.T.S.

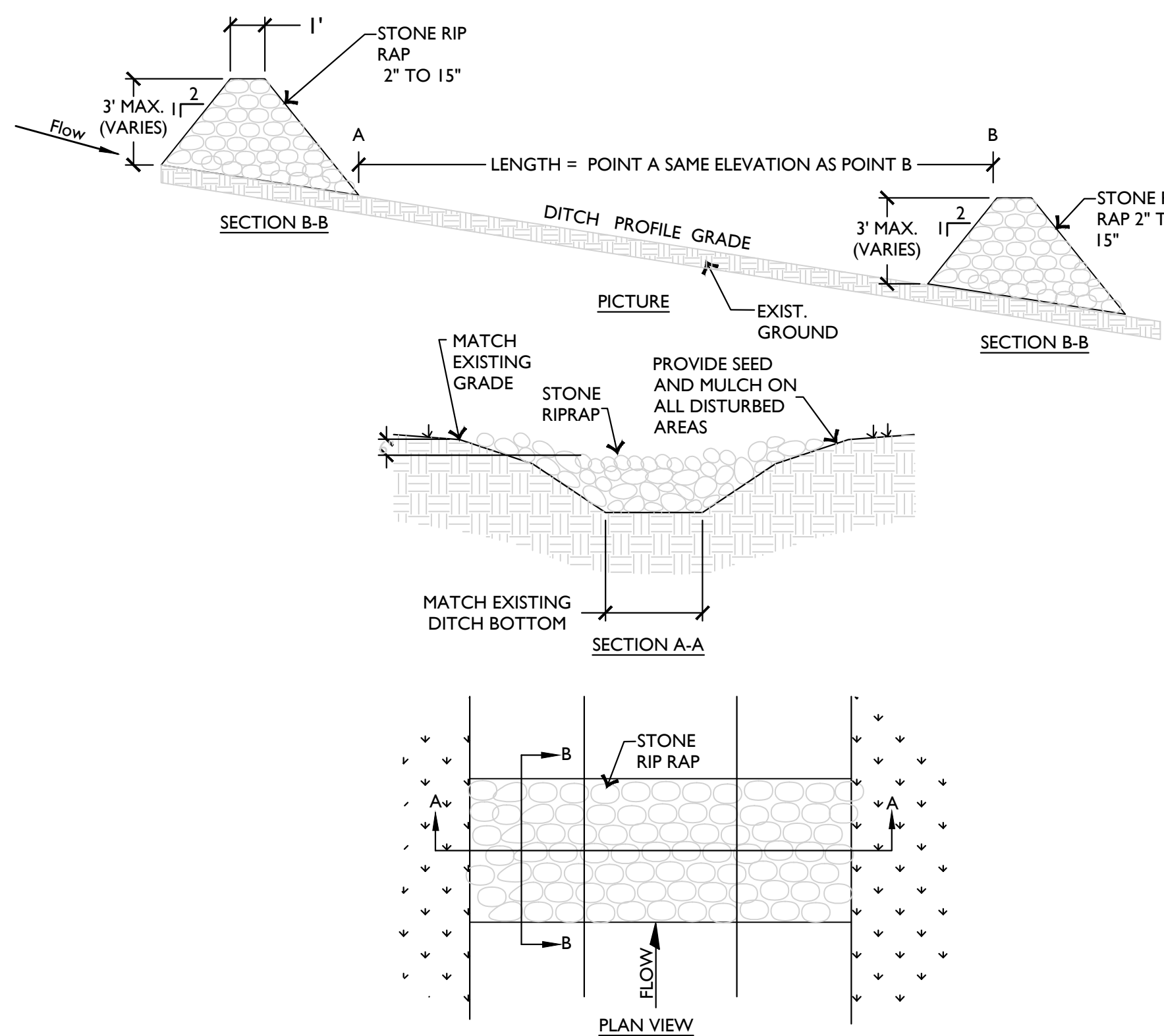


WASHOUT NOTES

1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

2 CONCRETE WASHOUT

SCALE: N.T.S.



INSTALLATION:

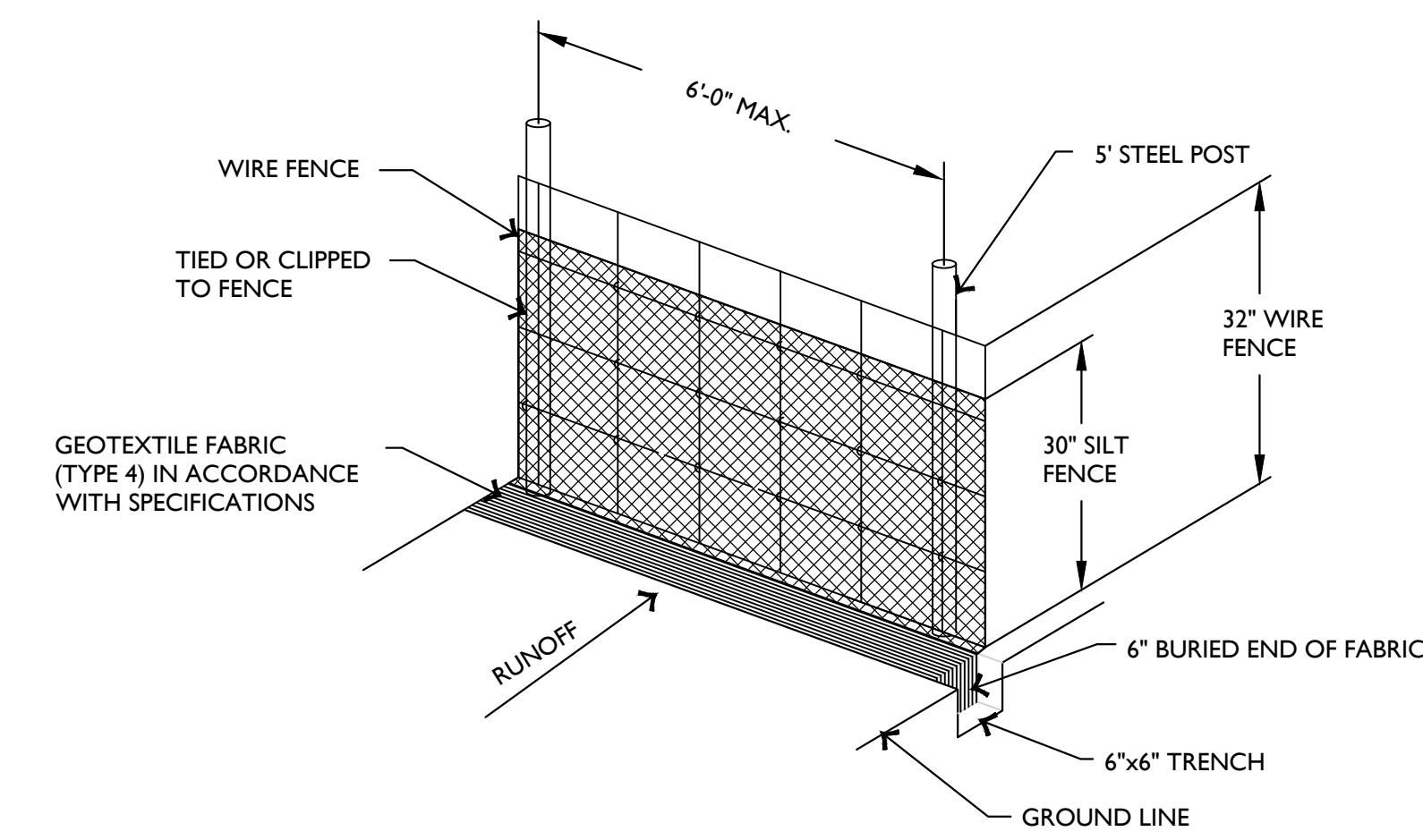
1. EXCAVATE KEY-WAY (IF REQUIRED)
2. A GEOTEXTILE FABRIC SHALL BE INSTALLED OVER THE SOIL SURFACE WHERE THE ROCK IS TO BE PLACED (IF REQUIRED)
3. ROCK DIAMETERS SHOULD BE 2" TO 15" IN DIAMETER
4. ROCK DITCH CHECKS SHOULD NOT EXCEED 3 FEET
5. STONES SHOULD BE PLACED UP THE CHANNEL BANKS TO PREVENT WATER FROM CUTTING AROUND THE DITCH CHECK
6. INSTALLATION SHALL BE PLACED EITHER BY HAND OR MECHANICALLY AND NOT JUST DUMPED TO ACHIEVE COMPLETE COVERAGE OF THE DITCH AND ENSURE THE CENTER OF THE DAMN IS LOWER THAN THE EDGES
7. MAXIMUM SPACING BETWEEN MULTIPLE DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK IS THE SAME AS THE TOP OF THE DOWNSTREAM CHECK

INSPECTION:

- INSPECT ROCK DITCH CHECKS EVERY (7) CALENDAR DAYS AND WITH-IN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" PRECIPITATION.
- SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/2 THE ORIGINAL CHECK HEIGHT
- IN THE CASE OF GRASS-LINED DITCHES OR SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR SWALE, IF THE SLOPE IS 4% OR LESS.
- THE AREA BENEATH THE ROCK DITCH CHECKS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER THE CHECK DAM REMOVAL

5 ROCK CHECK DAM

SCALE: N.T.S.

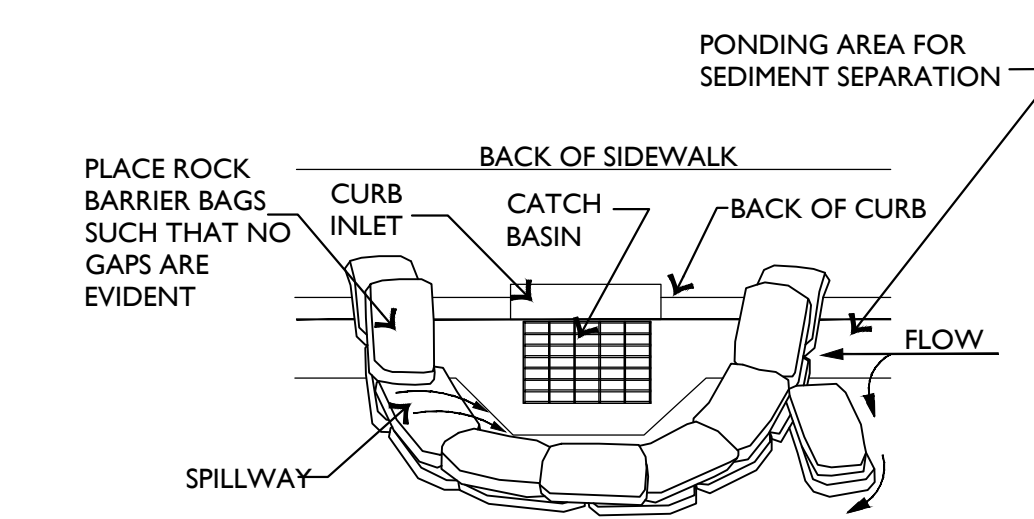


SILT FENCE NOTES:

1. 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. HERE 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 SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. 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.

3 WIRE REINFORCED SILT FENCE

SCALE: N.T.S.

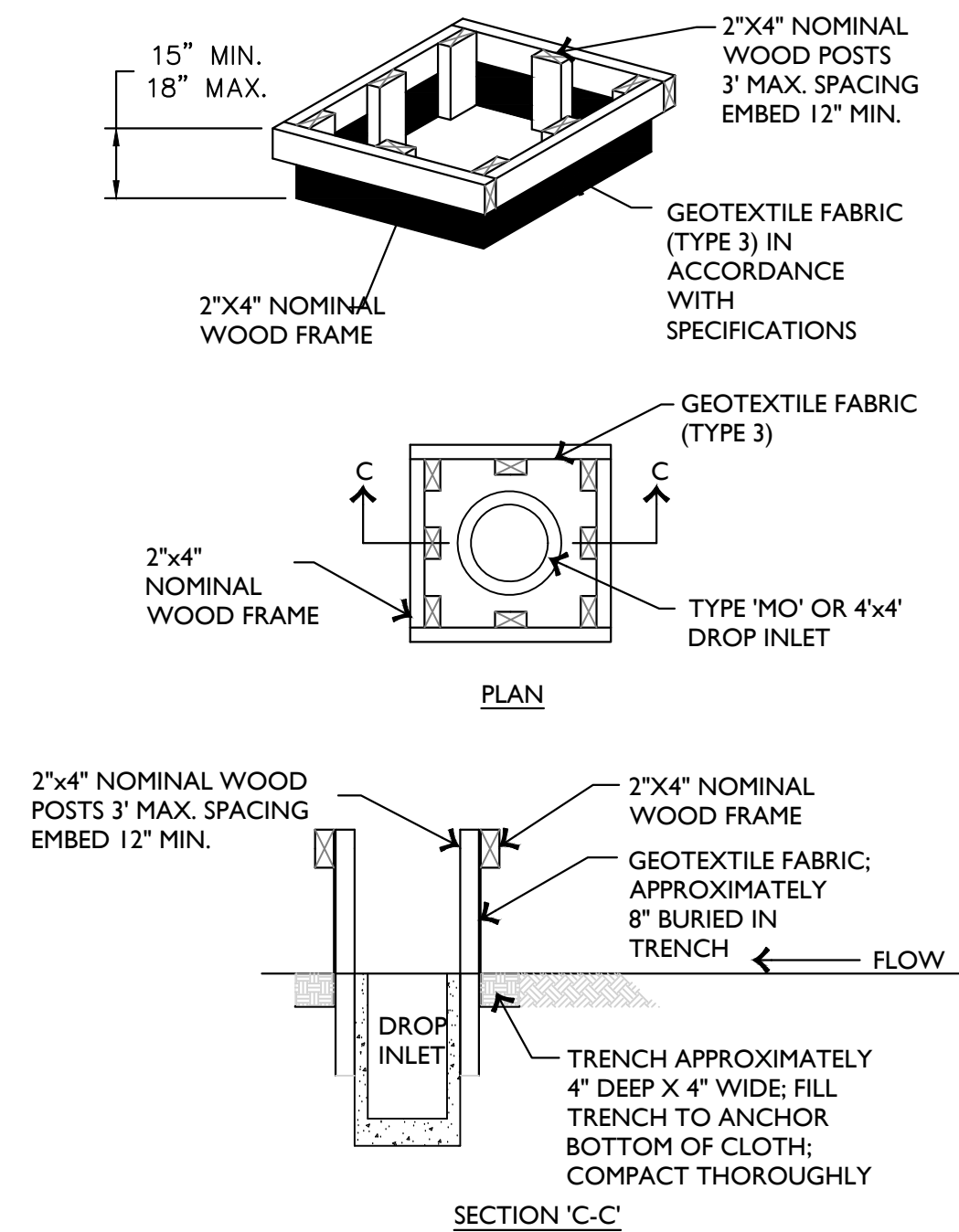


NOTES:

1. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
2. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY, OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

4 CURB INLET PROTECTION

SCALE: N.T.S.



6 DROP INLET PROTECTION

SCALE: N.T.S.

Bentonville Public Library Expansion
 405 S Main Street
 Bentonville, AR 72712
 Project No. 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____
Print Name _____
Date _____ License No. _____

BID SET

ISSUE / REVISION

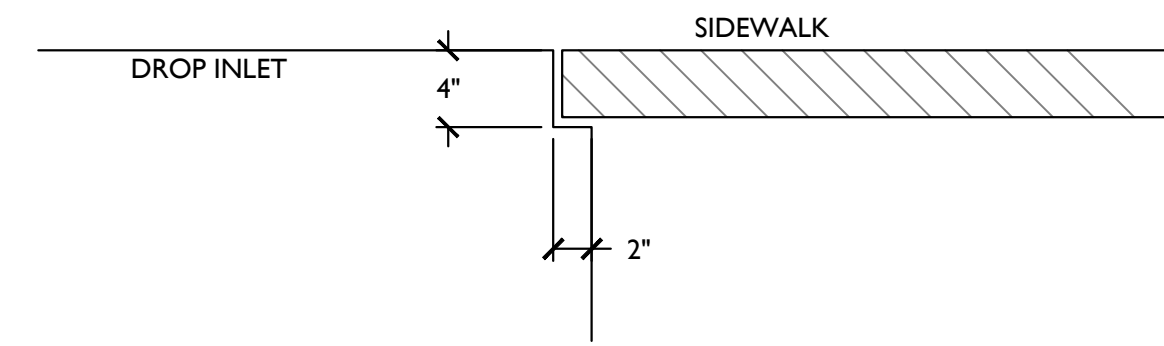
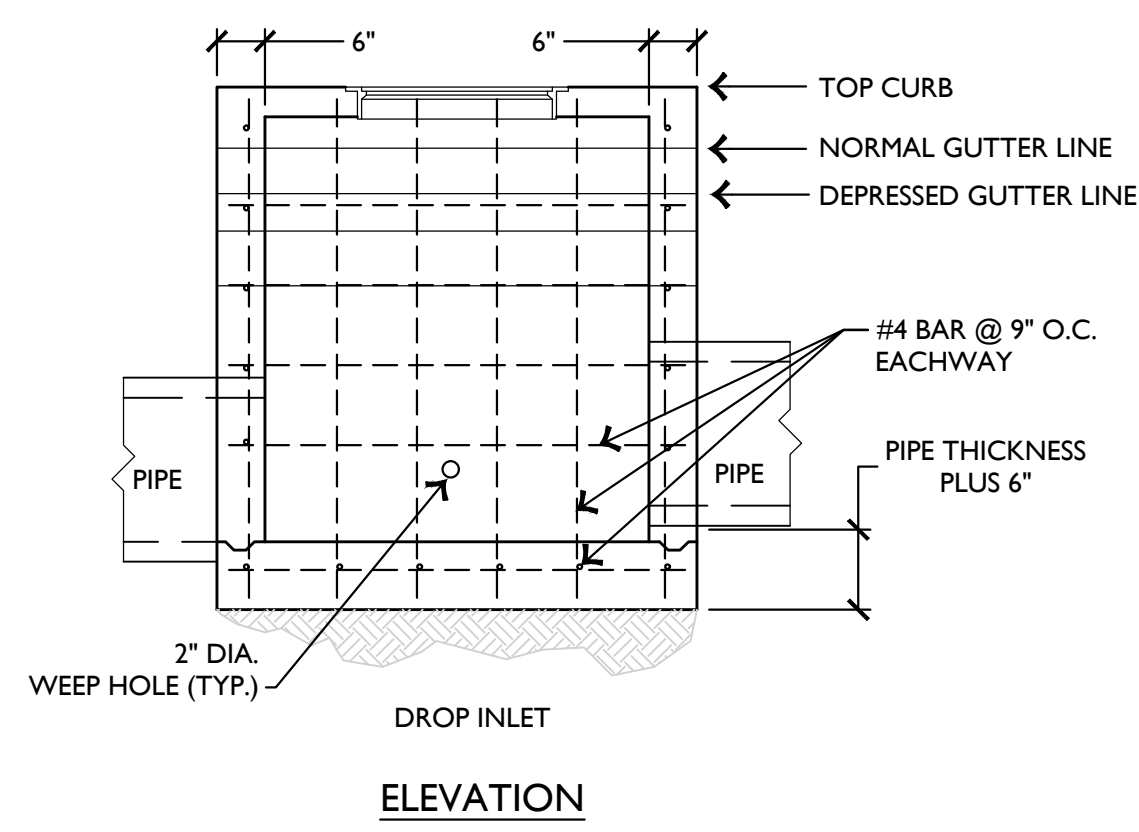
Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LRD SUBMITTAL
	11/28/2022	THIRD LRD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET

DROP INLET NOTES

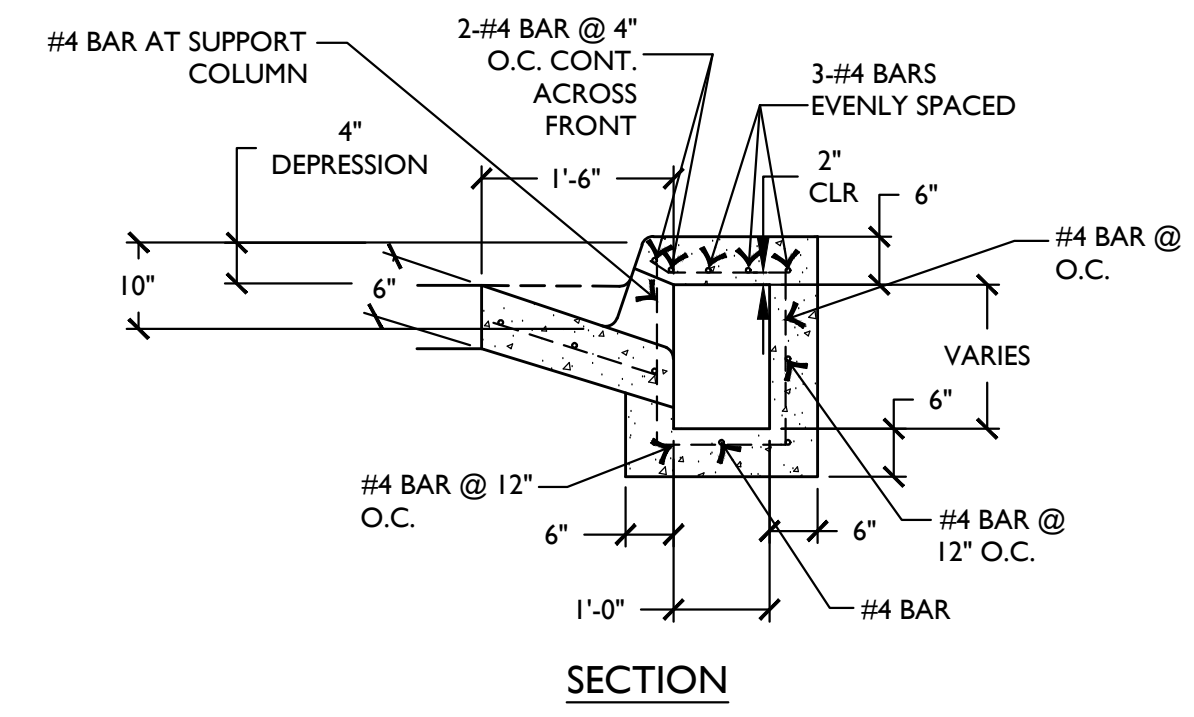
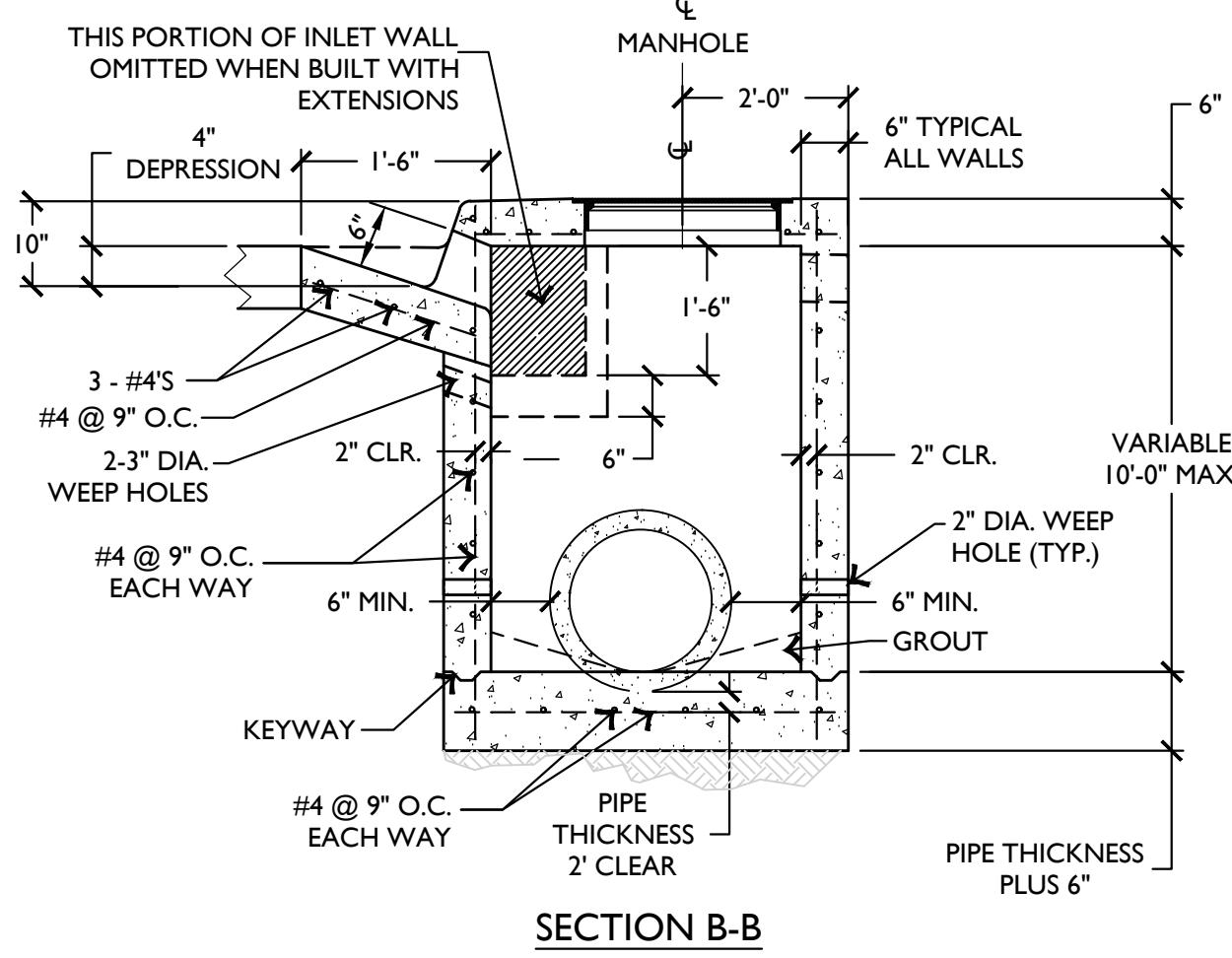
- ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
- ALL REINFORCEMENT BARS SHALL BE GRADE 60 AND SHALL HAVE A MINIMUM 2" COVER UNLESS OTHERWISE NOTED.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 p.s.i. -TOP 18" SHALL BE CAST-IN-PLACE.
- INVERTS SHALL BE POURED MONOLITHICALLY WITH FOOTING.
- CURB INLET BACK OPENING LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- WHEN AN INLET IS PLACED ADJACENT TO CONCRETE PAVEMENT, THE GUTTER DEPRESSION SHALL BE FORMED IN CONCRETE PAVEMENT.
- PIPES MAY ENTER BOX FROM ANY ANGLE OF ELEVATION AS DIRECTED BY THE ENGINEER. REINFORCING BARS SHALL BE CUT TO CLEAR PIPE BY 2".
- THE EXPANSION JOINT SHALL HAVE A THICKNESS OF 1/2" AND CONFORM TO AASHTO M213.
- REFER TO CURB AND GUTTER DETAILS FOR APPROPRIATE CURB CONFIGURATION AND GUTTER DIMENSIONS AT EACH INLET LOCATION.
- REFER TO PLAN AND PROFILE SHEETS TO DETERMINE EXTENSIONS AND SIZE (IF ANY) ACCOMPANYING DROP INLETS.
- PRIOR TO AND DURING PLACEMENT OF PAVEMENT IN FRONT OF INLETS, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
- THE METHODS USED FOR THIS WORK SHALL BE APPROVED BY THE ENGINEER.

STRUCTURE SIZING & REINFORCING TABLE		
INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	TOP CONCRETE SLAB REINFORCING
4'	12" - 27"	# 4S @ 8" O.C. E.W.
5'	30" - 42"	# 4S @ 7" O.C. E.W.
6'	48" - 54"	# 5S @ 9" O.C. E.W.

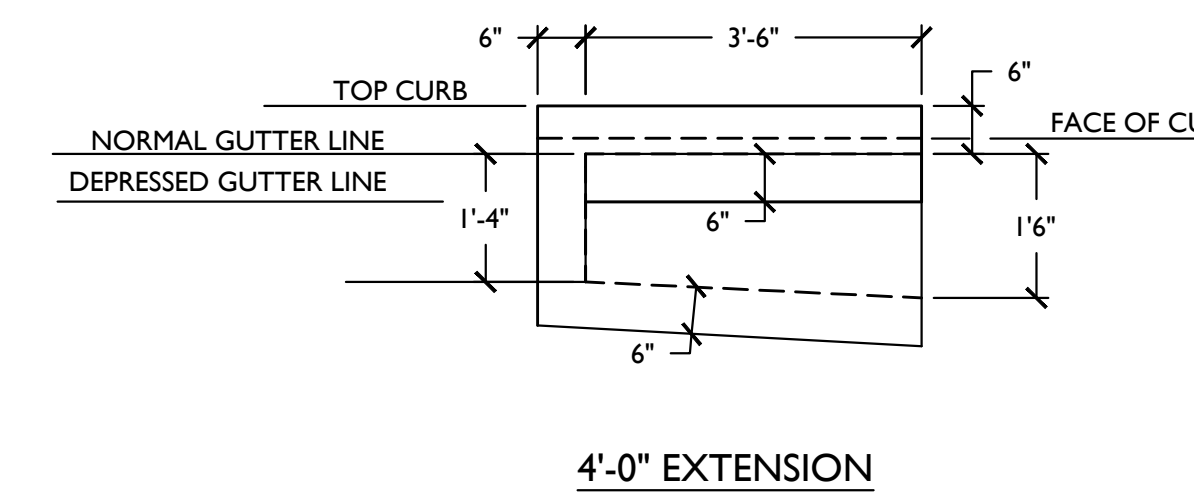
* LIMIT DEFLECTION TO 60 DEGREES. IF GREATER USE NEXT LARGER MANHOLE DIAMETER/SIZE.



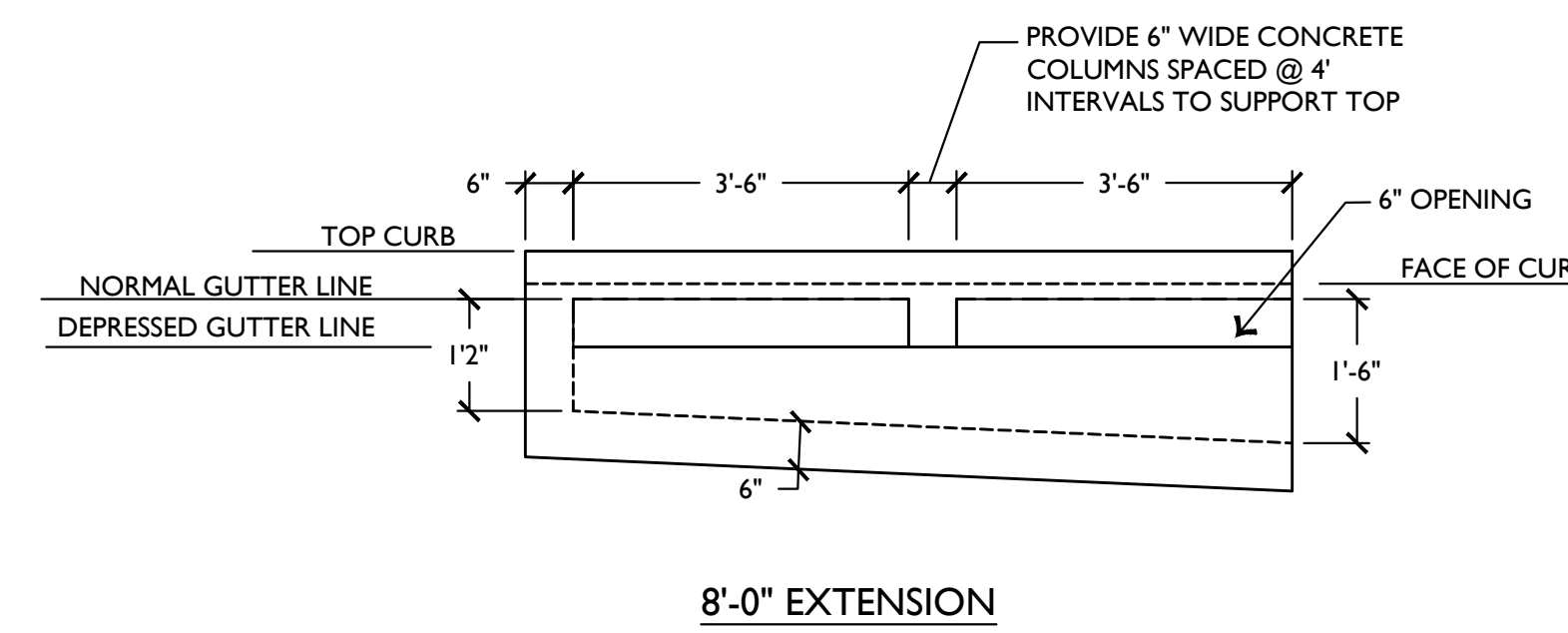
NOTCH FOR SIDEWALKS



SECTION



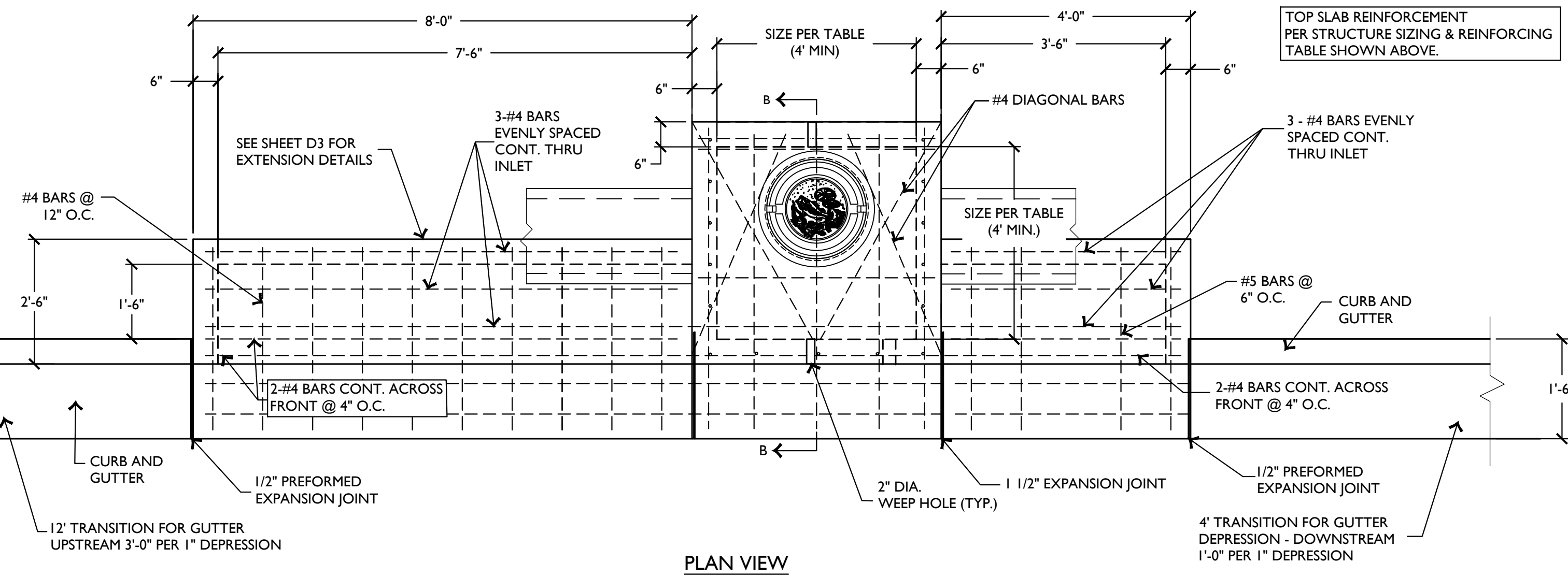
4'-0" EXTENSION



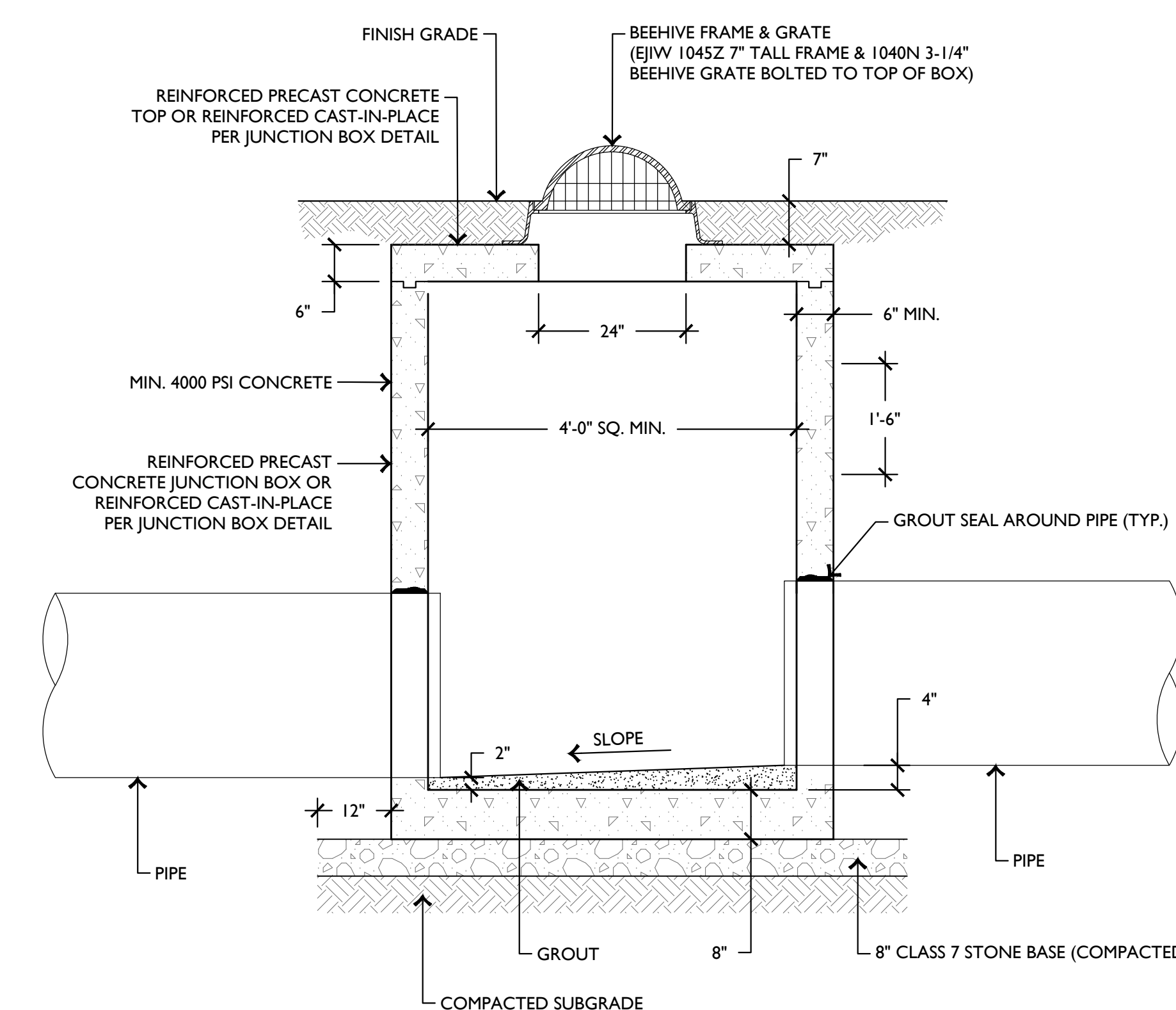
8'-0" EXTENSION

SCALE: N.T.S.

1 TYPICAL RECTANGULAR CURB INLET & EXTENSIONS

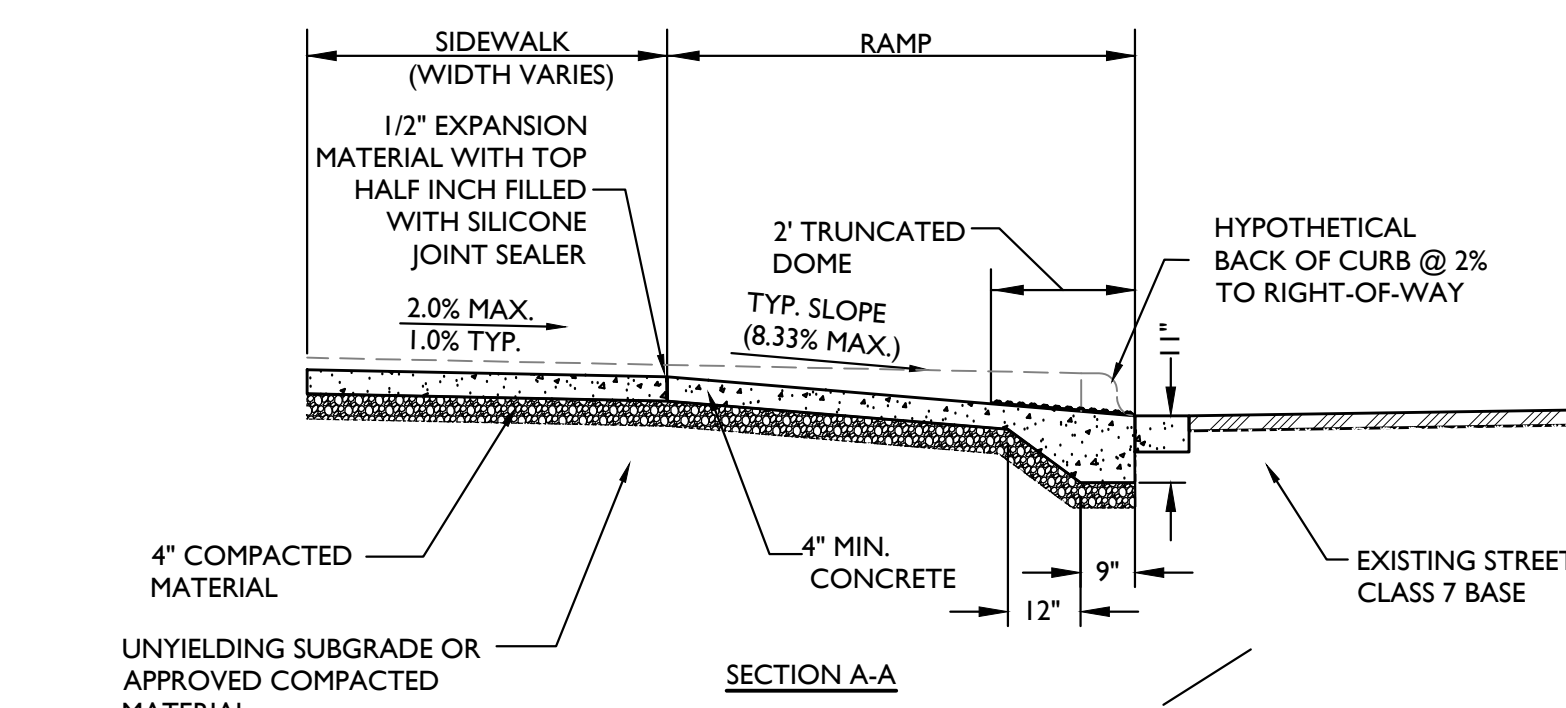


PLAN VIEW

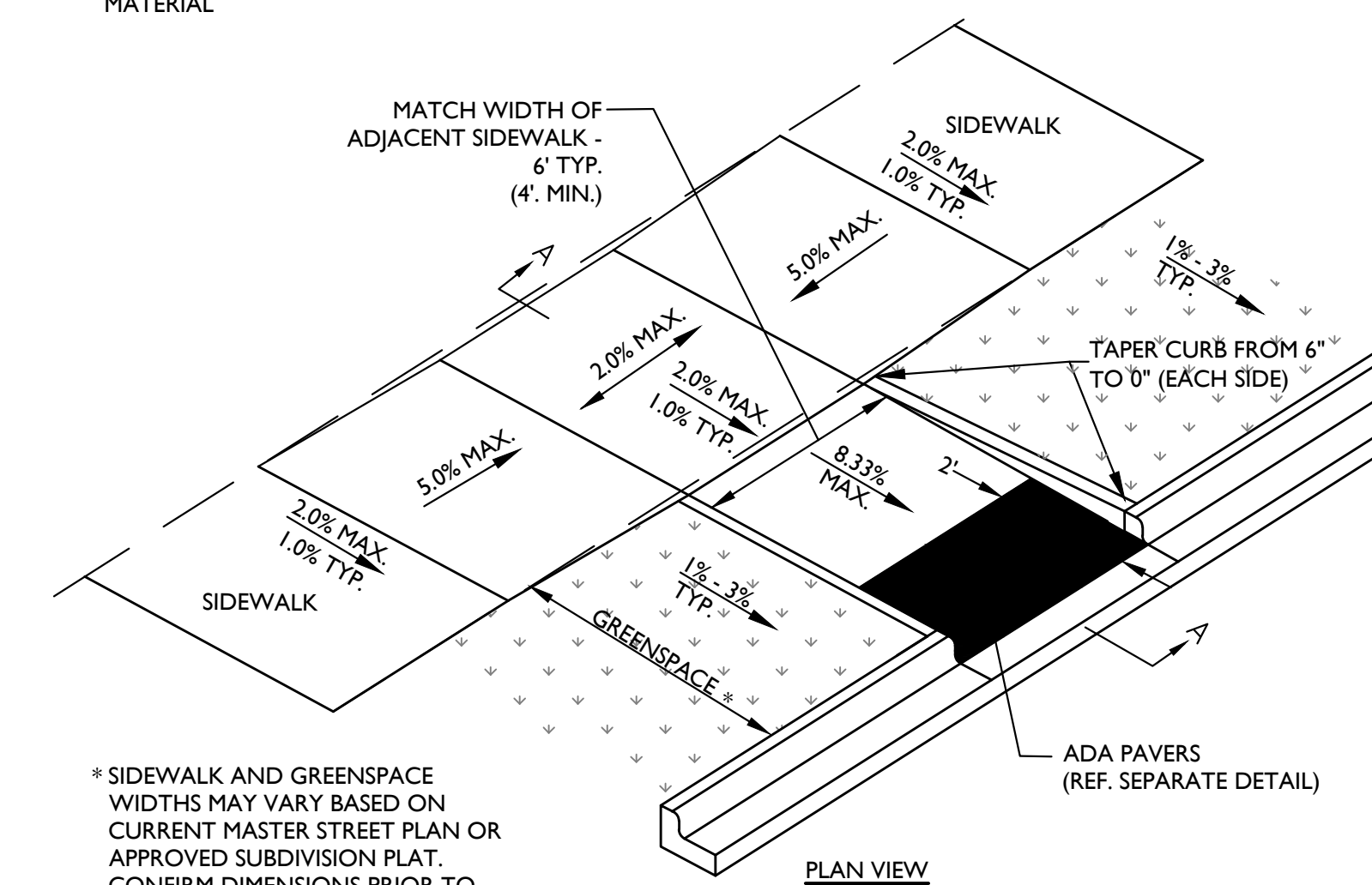


2 BEEHIVE GRATE INLET

SCALE: N.T.S.



SECTION A-A



PLAN VIEW

NOTES:

- FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
- CONCRETE TO BE SAWCUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT SIDEWALK.
- ALL CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE CONSTRUCTED OF A PORTLAND CEMENT CONCRETE MIXTURE WHICH WILL PRODUCE A CONCRETE OF A COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS SET UNDER STANDARD LABORATORY METHODS.
- ALL SIDEWALKS REQUIRE A CONCRETE CURING COMPOUND, SUCH AS SEALTIGHT 1600-WHITE MANUFACTURED BY W.R. MEADOWS, OR AN APPROVED EQUAL.
- ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
- ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.
- IF THE EXISTING GUTTER PAN IS DAMAGED OR DAMAGED DURING CURB REMOVAL, REFER TO DETAIL HR2 AND REMOVE FROM JOINT TO JOINT WITHIN THE LIMITS OF SAW CUT.

3 ADA RAMP TYPE 1

SCALE: N.T.S.

4 ADA RAMP TYPE 2

SCALE: N.T.S.

**Bentonville Public Library
Expansion**
405 S Main Street
Bentonville, AR 72712

Project No. 2021027

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____
Print Name _____
Date _____ License No. _____

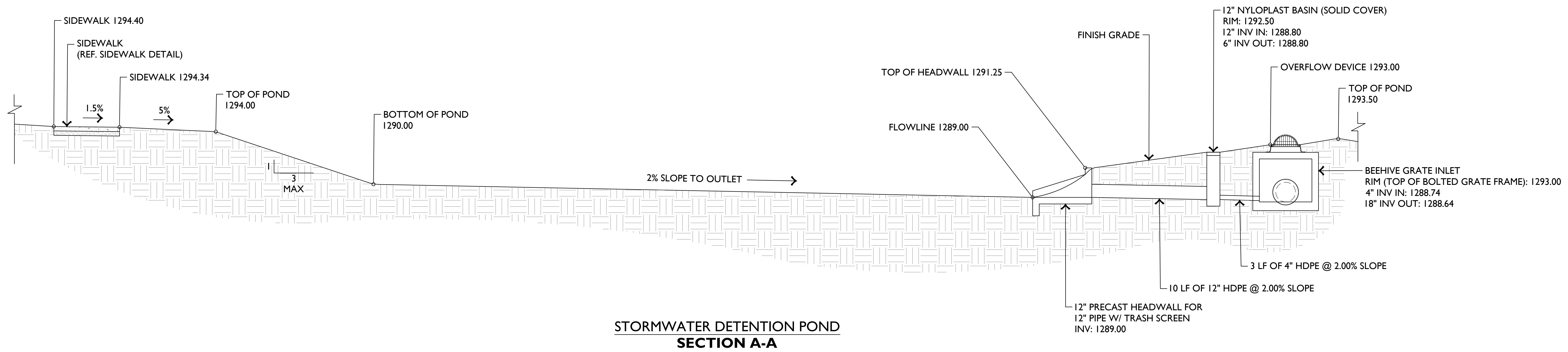
BID SET

ISSUE / REVISION

Mark	Date	Description
12/16/2021	12/16/2021	SCHEMATIC DESIGN PRICING
06/22/2022	06/22/2022	DESIGN DEVELOPMENT PRICING
8/1/2022	8/1/2022	DD VE OPTION B
10/13/2022	10/13/2022	PRE APP SET
10/28/2022	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
10/31/2022	10/31/2022	CD PRICING SET
11/14/2022	11/14/2022	SECOND LRD SUBMITTAL
11/28/2022	11/28/2022	THIRD LRD SUBMITTAL
12/21/2022	12/21/2022	PERMIT SET
01/06/2023	01/06/2023	BID SET

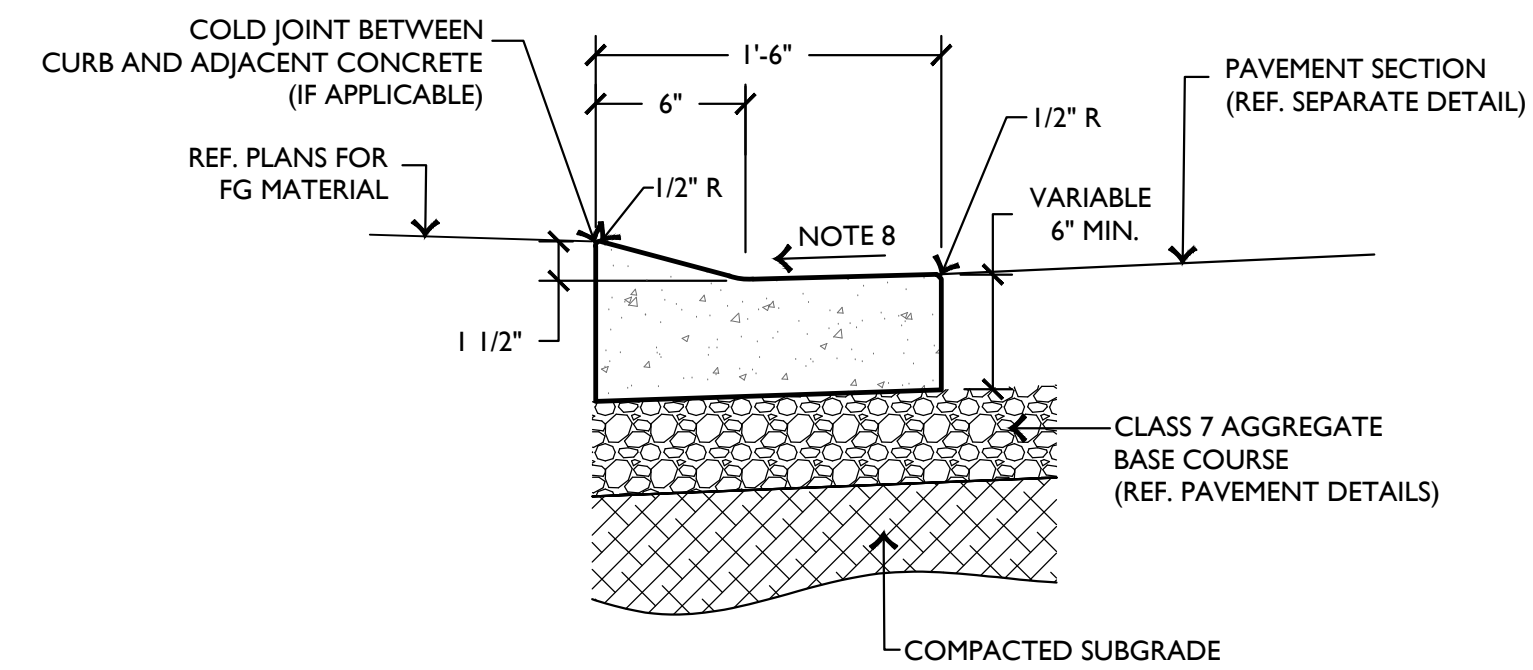
SITE DETAILS

C501



1 STORMWATER DETENTION POND SECTION A-A

SCALE: N.T.S.



CURB & GUTTER NOTES:

- CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
- EXPANSION MATERIAL SHALL BE REQUIRED AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213.
- EXPANSION JOINT MATERIAL SHALL BE LEFT 1/2" LOWER THAN GRADE OR TRIMMED 1/2" LOWER THAN GRADE.
- EXPANSION JOINTS SHALL BE FILLED WITH JOINT SEALANT SHAPED TO THE CROSS SECTION OF THE CURB AND CONSTRUCTED AT RIGHT ANGLES WITH THE CURB LINE.
- FINISH SHALL BE MEDIUM BROOM FINISH.
- CONCRETE CURING COMPOUND SHALL BE SEALTIGHT 1600-WHITE MANUFACTURED BY V.V.R. MEADOWS, OR AN APPROVED EQUAL.
- CONCRETE JOINT SEALANT SHALL BE SONNEBORN "SONOLASTIC SLI" OR AN APPROVED EQUAL. CLOSED CELL BACKER ROD SHALL BE USED IN DEEP JOINTS, AS NEEDED, ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- GUTTER SHALL MATCH THE CROSS SLOPE OF THE ROAD WITHIN ± 0.5%. GUTTER DRAINING THE OPPOSITE DIRECTION AS THE ROAD WILL NOT BE ACCEPTED.

2 MODIFIED CURB & GUTTER

SCALE: N.T.S.

Project No: 2021027
Bentonville Public Library
Expansion
 405 S Main Street
 Bentonville, AR 72712

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Minnesota.

Architect Seal



Signature _____

Print Name _____

Date _____ License No. _____

BID SET

ISSUE / REVISION

Mark	Date	Description
	12/16/2021	SCHEMATIC DESIGN PRICING
	06/22/2022	DESIGN DEVELOPMENT PRICING
	8/1/2022	DD VE OPTION B
	10/13/2022	PRE APP SET
	10/28/2022	LARGE SCALE DEVELOPMENT SUBMITTAL
	10/31/2022	CD PRICING SET
	11/14/2022	SECOND LSD SUBMITTAL
	11/28/2022	THIRD LSD SUBMITTAL
	12/21/2022	PERMIT SET
	01/06/2023	BID SET

BOUNDARY & TOPOGRAPHIC SURVEY (PAGE 1 OF 3)

FIELD WORK:
NOVEMBER 6, 8-13, & 19 &
DECEMBER 15, 2021

BASIS OF BEARING:
GPS OBSERVATION - AR NORTH ZONE
NAD83(2011) HORIZONTAL DATUM

BASIS OF ELEVATION:
CITY OF BENTONVILLE GPS MONUMENT #1
NAVD88 VERTICAL DATUM

CONTOUR INTERVAL:
1 FOOT

REFERENCE DOCUMENTS:

- 1) PLAT OF SURVEY FILED IN BOOK 2005 AT PAGE 759
- 2) PLAT OF SURVEY FILED IN BOOK 2005 AT PAGE 46
- 3) PLAT OF SURVEY FILED IN BOOK 15 AT PAGE 91
- 4) PLAT OF SURVEY FILED IN BOOK 2016 AT PAGE 671
- 5) PLAT OF SURVEY FILED IN BOOK 2017 AT PAGE 129
- 6) FINAL PLAT OF MAUCK BLOCK ADDITION FILED IN BOOK G AT PAGE 245
- 7) FINAL PLAT OF RAILROAD ADDITION TO BENTONVILLE FILED IN BOOK A AT PAGE 38
- 8) PLAT OF SURVEY FILED IN BOOK 2015 AT PAGE 527
- 9) PLAT OF SURVEY FILED IN BOOK P1 AT PAGE 75
- 10) PLAT OF SURVEY FILED IN BOOK 2015 AT PAGE 635
- 11) PLAT OF SURVEY FILED IN BOOK 22L AT PAGE 261
- 12) PLAT OF SURVEY FILED IN BOOK 22L AT PAGE 121
- 13) PLAT OF SURVEY FILED IN BOOK L2019 AT PAGE 26818
- 14) PLAT OF SURVEY FILED IN BOOK 28 AT PAGE 173
- 15) PLAT OF SURVEY FILED IN BOOK 11 AT PAGE 4
- 16) ORIGINAL 1955 OF BENTONVILLE, OBTAINED THROUGH BENTON COUNTY GIS
- 17) WARRANTY DEED FILED IN BOOK L2020 AT PAGE 79104
- 18) REPORT OF SURVEY FILED IN BOOK 2015 AT PAGE 7779
- 19) WARRANTY DEED FILED IN BOOK L2020 AT PAGE 86301
- 20) WARRANTY DEED FILED IN BOOK L2020 AT PAGE 63647
- 21) RIGHT-OF-WAY GRANT FILED IN BOOK 694 AT PAGE 304
- 22) PLAT OF SURVEY PREPARED BY CRAFTON, TULL & ASSOCIATES FOR CITY OF BENTONVILLE, DATED DECEMBER 3, 2020
- 23) EASEMENT FILED IN BOOK 97 AT PAGE 106940
- 24) EASEMENT FILED IN BOOK 97 AT PAGE 106941
- 25) EASEMENT FILED IN BOOK 97 AT PAGE 106942
- 26) EASEMENT FILED IN BOOK 98 AT PAGE 051286

PROPERTY ZONED:
DE (DOWNTOWN EDGE)

BUILDING SETBACKS:	
FRONT (RESIDENTIAL)	20ft
FRONT (NON-RESIDENTIAL)	00ft (SHOWN)
SIDE (RESIDENTIAL)	07ft
SIDE (NON-RESIDENTIAL)	07ft (SHOWN)
REAR (RESIDENTIAL, ADJACENT TO RESIDENTIAL)	07ft
REAR (NON-RESIDENTIAL, ADJACENT TO RESIDENTIAL)	12ft
REAR (RESIDENTIAL, ADJACENT TO NON-RESIDENTIAL)	07ft
REAR (NON-RESIDENTIAL, ADJACENT TO NON-RESIDENTIAL)	07ft

*BUILDING SETBACKS ARE SHOWN FOR REFERENCE ONLY. THE FUTURE RIGHT-OF-WAY VACATION OF SE 4TH STREET, AS WELL AS ANY FUTURE DEVELOPMENT ON THE SURVEYED PROPERTIES MAY CAUSE THE BUILDING SETBACKS TO CHANGE. VERIFY BUILDING SETBACK DIMENSIONS AND LOCATIONS WITH BENTONVILLE PLANNING PRIOR TO ANY NEW CONSTRUCTION.

# DBH	SPECIES	CANOPY	52.20"	WALNUT	80'
1. 15"	OAK	60'	53.3"	ELM	10'
2. 16"	OAK	60'	54.38"	ELM	80'
3. 15"	ELM	60'	55.8"	DBL ELM	30'
4. 3"	OAK	70'	56.8"	ELM	40'
5. 10"	DBL ELM	30'	57.10"	ELM	50'
6. 10"	OAK	40'	58.4"	ELM	40'
7. 15"	PINE	40'	59.22"	ELM	60'
8. 10"	OAK	40'	60.22"	ELM	60'
9. 14"	TRI. MAPLE	80'	61.4"	ELM	60'
10. 3"	ELM	80'	62.4"	ELM	60'
11. 22"	ELM	60'	63.8"	ELM	30'
12. 14"	ELM	60'	64.8"	ELM	30'
13. 12"	ELM	40'	65.8"	ELM	30'
14. 12"	ELM	40'	66.8"	ELM	30'
15. 12"	ELM	40'	67.8"	ELM	30'
16. 25"	ELM	70'	68.7"	MAPLE	30'
17. 10"	ELM	30'	69.7"	MAPLE	30'
18. 30"	OAK	70'	70.8"	ELM	50'
19. 15"	OAK	60'	71.12"	ELM	40'
20. 3"	OAK	70'	72.12"	ELM	50'
21. 12"	ELM	40'	73.3"	DBL ELM	30'
22. 15"	ELM	50'	74.8"	ELM	50'
23. 13"	ELM	40'	75.3"	TRI. ELM	30'
24. 10"	OAK	30'	76.3"	TRI. ELM	30'
25. 12"	MAPLE	40'	77.18"	ELM	60'
26. 12"	ELM	30'	78.7"	ELM	40'
27. 12"	ELM	50'	79.12"	ELM	40'
28. 12"	SPRUCE	40'	80.8"	ELM	30'
29. 12"	ELM	30'	81.8"	ELM	30'
30. 14"	ELM	40'	82.7"	ELM	40'
31. 10"	MAPLE	30'	83.12"	ELM	40'
32. 10"	MAPLE	30'	84.6"	ELM	40'
33. 12"	ELM	50'	85.12"	TRI. OAK	80'
34. 10"	ELM	50'	86.36"	OAK	90'
35. 4"	ELM	50'	87.20"	ELM	80'
36. 7"	ELM	40'	88.8"	ELM	20'
37. 4"	ELM	30'	89.5"	ELM	15'
38. 8"	ELM	40'	90.5"	ELM	15'
39. 13"	ELM	55'	91.5"	ELM	15'
40. 8"	ELM	40'	92.4"	ELM	10'
41. 5"	ELM	30'	93.5"	ELM	30'
42. 6"	ELM	30'	94.5"	ELM	30'
43. 13"	ELM	60'	95.8"	ELM	40'
44. 6"	MAPLE	30'	96.6"	ELM	40'
45. 8"	ELM	40'	97.5"	ELM	30'
46. 3"	ELM	70'	98.14"	ELM	70'
47. 12"	OAK	40'	99.16"	DBL ELM	90'
48. 12"	ELM	40'	100.30"	ELM	90'
49. 8"	ELM	30'	101.20"	WALNUT	80'
50. 8"	ELM	30'			
51. 10"	ELM	30'			

OVERALL SURVEY DESCRIPTION:

ALL OF LOT 1 OF LIBRARY ADDITION TO THE CITY OF BENTONVILLE, ARKANSAS, AS PER THE FILED PLAT THEREOF FILED IN BOOK 2005 AT PAGE 759 OF THE RECORDS OF THE CIRCUIT CLERK AND EX-OFFICIO RECORDER OF BENTON COUNTY, ARKANSAS, AND ALSO ALL OF LOT 17, LOT 15 EXCEPT THE NORTH 60 FEET, AND 55 FEET OF EQUAL WIDTH SQUARELY OFF THE SOUTH SIDE OF LOT 14 IN BLOCK 3 OF RAILROAD ADDITION TO THE CITY OF BENTONVILLE, AS PER THE FINAL PLAT THEREOF FILED IN BOOK A AT PAGE 38 OF THE RECORDS OF THE CIRCUIT CLERK AND EX-OFFICIO RECORDER OF BENTON COUNTY, ARKANSAS, AND ALSO THE PLATTED RIGHT-OF-WAY OF SOUTHEAST 4TH STREET LYING SOUTH OF AND ADJACENT TO SAID LOTS 14 AND 15 AND LYING NORTH OF AND ADJACENT TO SAID LOT 17 AND SAID LOT 1, ALL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT AN EXISTING REBAR ON THE EAST RIGHT-OF-WAY OF SOUTH MAIN STREET MARKING THE NORTHWEST CORNER OF LOT 18, BLOCK 3 OF SAID RAILROAD ADDITION AND RUNNING THENCE ALONG SAID RIGHT-OF-WAY N02°14'42"E 102.85' TO AN EXISTING REBAR MARKING THE SOUTHWEST CORNER OF SAID LOT 14, BLOCK 3 OF RAILROAD ADDITION, THENCE CONTINUING ALONG SAID RIGHT-OF-WAY AND THE WEST LINE OF SAID LOT 14 N02°17'15"E 55.03' TO AN EXISTING REBAR, THENCE LEAVING SAID RIGHT-OF-WAY AND SAID WEST LINE S87°28'36"E 164.96' TO AN EXISTING REBAR ON THE WEST LINE OF SAID LOT 15, THENCE ALONG SAID WEST LINE N02°19'02"E 8.35', THENCE LEAVING SAID WEST LINE S87°39'45"E 150.25' TO AN EXISTING REBAR ON THE WEST RIGHT-OF-WAY OF SOUTHEAST A STREET, THENCE ALONG SAID RIGHT-OF-WAY S02°16'01"W 61.22' TO A POINT ON THE NORTH RIGHT-OF-WAY OF SOUTHEAST 4TH STREET MARKING THE SOUTHEAST CORNER OF SAID LOT 15, THENCE LEAVING SAID WEST RIGHT-OF-WAY ALONG SAID NORTH RIGHT-OF-WAY AND THE SOUTH LINE OF SAID LOT 15 N88°15'07"W 6.46', THENCE LEAVING SAID RIGHT-OF-WAY AND SAID SOUTH LINE S03°56'40"W 14.01' TO A POINT ON THE SOUTH RIGHT-OF-WAY OF SOUTHEAST A STREET MARKING THE NORTHEAST CORNER OF SAID LOT 1 OF LIBRARY ADDITION, THENCE ALONG SAID WEST RIGHT-OF-WAY AND THE EAST LINE OF SAID LOT 1 S01°42'16"W 401.46' TO THE SOUTHEAST CORNER OF SAID LOT 1 OF LIBRARY ADDITION, THENCE LEAVING SAID RIGHT-OF-WAY AND SAID EAST LINE ALONG THE SOUTH LINE OF SAID LOT 1 THE FOLLOWING: N87°48'21"W 158.61', S02°16'09"W 200.75', N87°44'19"W 149.05' TO A POINT ON THE EAST RIGHT-OF-WAY OF SOUTH MAIN STREET MARKING THE SOUTHWEST CORNER OF SAID LOT 1 OF LIBRARY ADDITION, THENCE LEAVING SAID SOUTH LOT LINE ALONG SAID EAST RIGHT-OF-WAY AND THE WEST LINE OF SAID LOT 1 OF LIBRARY ADDITION N01°45'14"E 512.41' TO THE POINT OF BEGINNING, CONTAINING 4.06 ACRES, MORE OR LESS, SUBJECT TO THAT PORTION IN SOUTH MAIN STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE WEST SIDE, SUBJECT TO THAT PORTION IN SOUTHEAST A STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE EAST SIDE OF HEREIN DESCRIBED TRACT, AND SUBJECT TO ALL OTHER EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

PLAT NOTES:

1) THE LOCATION OF UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE OF ABOVE GROUND APPURTENANCES, CITY OF BENTONVILLE GIS MAPS, UTILITY MARKINGS BY ARKANSAS ONE-CALL, PRIVATE UTILITY MARKINGS BY GPRS, INC., AND UTILITY MAPS PROVIDED BY THE INDIVIDUAL UTILITY COMPANIES. ALL UTILITY LINES APPEARING ON THIS PLAT, AS WELL AS THOSE THAT MAY EXIST UNDERGROUND NEED TO BE VERIFIED PRIOR TO DOING ANY TYPE OF EXCAVATION OR DESIGN. SOME UTILITY LINES MAY ALSO EXIST THAT WERE NOT SHOWN ON THIS PLAT.

2) ACCORDING TO GPRS, THE MAXIMUM DEPTH OF THE BURIED PRIVATE UTILITIES IS APPROXIMATELY 1-4 FEET. GPRS WAS UNABLE TO LOCATE THE FIRE CONNECT LINE TO THE LIBRARY BUILDING.

3) THE TREE SPECIES LISTED ON THIS PLAT WERE DETERMINED TO THE BEST OF OUR KNOWLEDGE AND ABILITY. SOME TREES ON THIS PLAT MAY NOT BE THE EXACT SPECIES LISTED. PLEASE CONSULT A LICENSED ARBORIST IF EXACT TREE SPECIES ARE NEEDED.

FLOOD CERTIFICATION:

NO PORTION OF THIS PROPERTY IS LOCATED WITHIN FLOOD ZONE "A" OR "AE" AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR BENTON COUNTY, ARKANSAS. (FIRM PANEL #05007C0255K. DATED 06/05/2012)

SANITARY SEWER INFO:

SSMH #1:
RIM ELEVATION - 1293.92'
8" PVC IN FROM (S) - 1286.62'
12" PVC IN FROM (W) - 1283.17'
6" PVC IN FROM (E) - 1285.62'
12" RCP OUT TO (E) - 1283.17'

SSMH #2:
RIM ELEVATION - 1291.42'
8" PVC IN FROM (S) - 1284.51'
12" PVC IN FROM (W) - 1284.37'
12" PVC OUT TO (E) - 1284.33'

SSMH #3:
RIM ELEVATION - 1292.71'
8" PVC IN FROM (S) - 1285.26'
8" PVC OUT TO (N) - 1285.20'

SSMH #4:
RIM ELEVATION - 1294.37'
4" PVC IN FROM (S) - 1289.98'
6" PVC OUT TO (N) - 1289.86'

SSMH #5:
RIM ELEVATION - 1295.11'
12"
8" PVC IN FROM (N) - 1283.85'
8" PVC OUT TO (S) - 1283.79'

SSMH #6:
RIM ELEVATION - 1294.18'
8" PVC IN FROM (N) - 1283.50'
8" PVC OUT TO (S) - 1283.49'

SSMH #7:
RIM ELEVATION - 1294.06'
8" PVC IN FROM (N) - 1283.51'
8" PVC IN FROM (W) - 1283.44'
8" PVC OUT TO (S) - 1283.43'

SSMH #8:
RIM ELEVATION - 1293.99'
8" PVC IN FROM (N) - 1283.42'
8" PVC IN FROM (SW) - 1283.46'
8" PVC OUT TO (E) - 1283.38'

SSMH #9:
RIM ELEVATION - 1291.01'
8" PVC IN FROM (N) - 1284.15'
8" PVC OUT TO (E) - 1284.14'

SSMH #10:
RIM ELEVATION - 1290.37'
8" PVC IN FROM (W) - 1284.27'
8" PVC OUT TO (S) - 1284.17'

SSMH #11:
RIM ELEVATION - 1290.76'
8" PVC IN FROM (N) - 1284.50'
4" PVC IN FROM (S) - 1284.76'
8" PVC OUT TO (E) - 1284.47'

SSMH #12 (OFFSITE, NORTH OF SSMH #4):

RIM ELEVATION - 1292.01'
8" PVC IN FROM (S) - 1287.06'
8" PVC OUT TO (N) - 1287.05'

SSMH #13 (OFFSITE, NORTH OF PROPERTY IN S. MAIN STREET):

RIM ELEVATION - 1291.40'
8" PVC IN FROM (N) - 1285.72'
8" PVC IN FROM (E) - 1285.77'
8" PVC IN FROM (NW) - 1285.89'
8" PVC OUT TO (S) - 1285.72'

STORM SEWER INFO:

STS #1:
RIM ELEVATION - 1293.12'
INVERT - 1290.30'
18" RCP OUT TO (NE)

STS #2:
RIM ELEVATION - 1294.58'
INVERT - 1290.20'
18" RCP IN FROM (SW)
28" x 20" RCP OUT TO (W)

STS #3 (GRATED INLET):
RIM ELEVATION - 1292.29'
INVERT - 1288.70'
28" x 20" RCP IN FROM (E)
28" x 20" RCP OUT TO (SW)

STS #4:
RIM ELEVATION - 1291.51'
INVERT - 1288.64'
28" x 20" RCP IN FROM (NE)
12" RCP OUT TO (SW)

STS #5:
RIM ELEVATION - 1290.37'
INVERT - 1287.61'
24" RCP IN FROM (E)
18" RCP IN FROM (SW)
24" RCP OUT TO (N)

STS #6:
RIM ELEVATION - 1290.76'
INVERT - 1287.80'
24" x 14" RCP IN FROM (S)
18" RCP OUT TO (NE)

STS #7:
RIM ELEVATION - 1290.76'
INVERT - 1288.19'
24" x 14" RCP OUT TO (N)

STS #8:
RIM ELEVATION - 1290.07'
INVERT - 1286.57'
24" RCP IN FROM (SE)
12" RCP OUT TO (NW)

STS #9 (GRATED INLET):
NE RIM ELEV. - 1290.67'
INVERT - 1286.74'
12" RCP IN FROM (SE)
12" RCP OUT TO (E)

STS #10:
RIM ELEVATION - 1293.80'
INVERT - 1289.70'
18" RCP OUT TO (N)

STS #11:
RIM ELEVATION - 1293.30'
INVERT - 1289.18'
18" RCP IN FROM (S)
18" RCP OUT TO (W)

STORM SEWER INFO:

STS #12:
RIM ELEVATION - 1293.23'
INVERT - 1289.49*
18" RCP IN FROM (E)
18" RCP OUT TO (W)

*INVERT INDICATES THIS STORM BOX MAY BE A HIGH POINT BETWEEN STS #11 & #13. WATER SHOULD FLOW WEST OUT OF THIS BOX.

STS #13:
RIM ELEVATION - 1293.96'
INVERT - 1289.15'
18" RCP IN FROM (E)
12" RCP IN FROM (NE)
18" RCP IN FROM (S)
24" RCP OUT TO (W)

STS #14:
RIM ELEVATION - 1294.54'
INVERT - 1291.42'
12" RCP OUT TO (SW)

STS #15:
NE RIM ELEVATION - 1292.22'
INVERT - 1289.23'
18" RCP OUT TO (N)

STS #16:
RIM ELEVATION - 1292.09'
INVERT - 1288.51'
24" RCP IN FROM (E)
12" RCP IN FROM (SW)
24" RCP IN FROM (SE)
30" x 19" RCP OUT TO (N)

STS #17:
RIM ELEVATION - 1292.10'
INVERT - 1288.63'
24" RCP IN FROM (E)
12" RCP IN FROM (SW)
24" RCP IN FROM (SE)
30" x 19" RCP OUT TO (N)

STS #18:
RIM ELEVATION - 1290.84'
INVERT - 1288.57'
12" RCP OUT TO (NE)

STS #19:
NE RIM ELEV. - 1291.68'
INVERT - 1288.35'
24" RCP IN FROM (SW)
24" RCP OUT TO (NW)

*INVERT INDICATES THIS STORM BOX MAY BE A HIGH POINT BETWEEN STS #20 & #16. WATER SHOULD FLOW NORTHWEST OUT OF THIS BOX.

STS #20:
NE RIM ELEV. - 1292.15'
INVERT - 1288.73'
24" RCP IN FROM (NE)
24" RCP OUT TO (S)

STORM SEWER INFO:

STS #21:
NE RIM ELEV. - 1292.10'
INVERT - 1288.77'
24" RCP IN FROM (W)
24" RCP OUT TO (N)

STS #22:
NE RIM ELEV. - 1292.21'
INVERT - 1288.85'
24" RCP IN FROM (N)
24" RCP OUT TO (E)

STS #23:
NE RIM ELEV. - 1292.24'
INVERT - 1289.12'
24" RCP OUT TO (S)

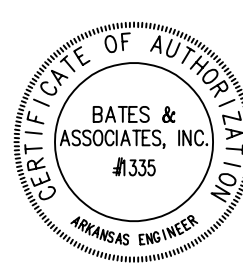
STS #24 (OFFSITE, NORTH OF PROPERTY IN SE A STREET):
RIM ELEVATION - 1291.89'
INVERT - 1282.44'
24" RCP IN FROM (SW)

STS #25:
RIM ELEVATION - 1290.31'
INVERT - 1283.80'
24" RCP OUT TO (NE)
12" RCP IN FROM (SE)
12" RCP IN FROM (SW)
12" RCP IN FROM (NW)
8" RCP IN FROM (S)

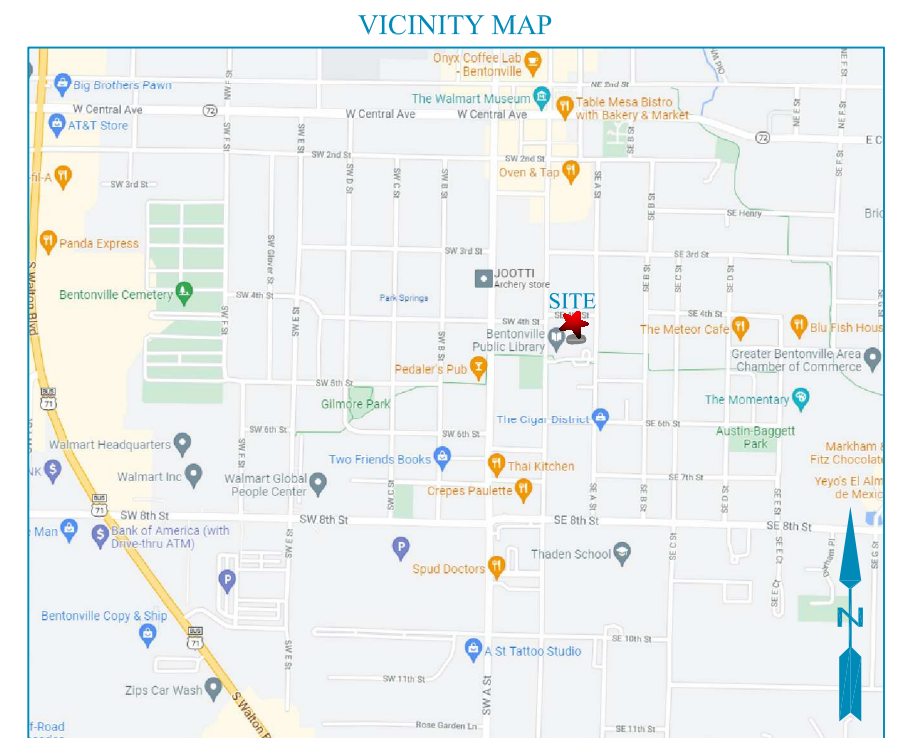
WALL ELEVATIONS:

- W1) 1290.69'
- W2) 1290.65'
- W3) 1290.28'
- W4) 1290.28'
- W5) 1290.41'
- W6) 1290.43'
- W7) 1290.73'
- W8) 1290.76'
- W9) 1295.93'
- W10) 1295.93'
- W11) 1295.82'
- W12) 1298.38'
- W13) 1298.43'
- W14) 1298.29'
- W15) 1302.00'
- W16) 1301.97'
- W17) 1301.99'
- W18) 1301.16'
- W19) 1301.20'

I HEREBY CERTIFY THIS TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF ON THIS THE 15TH DAY OF DECEMBER, 2021.



IF THE SIGNATURE ON THIS SEAL IS NOT AN ORIGINAL AND NOT BLUE IN COLOR THEN IT SHOULD BE ASSUMED THAT THIS PLAT MAY HAVE BEEN ALTERED. THE ABOVE CERTIFICATION SHALL NOT APPLY TO ANY COPY THAT DOES NOT BEAR AN ORIGINAL SEAL AND SIGNATURE.



FOR USE AND BENEFIT OF:
BENTONVILLE PUBLIC LIBRARY
ADDRESS:
**405 SOUTH MAIN STREET
BENTONVILLE, ARKANSAS**
DATE: 12/15/21 SCALE: 1"=30'
LOCATION: SURVEYED: DRAFTED:
LIBRARY ADDITION JURICH MR, JCR
REVIEWED: DT
COA #1335
PAGE 1 OF 3

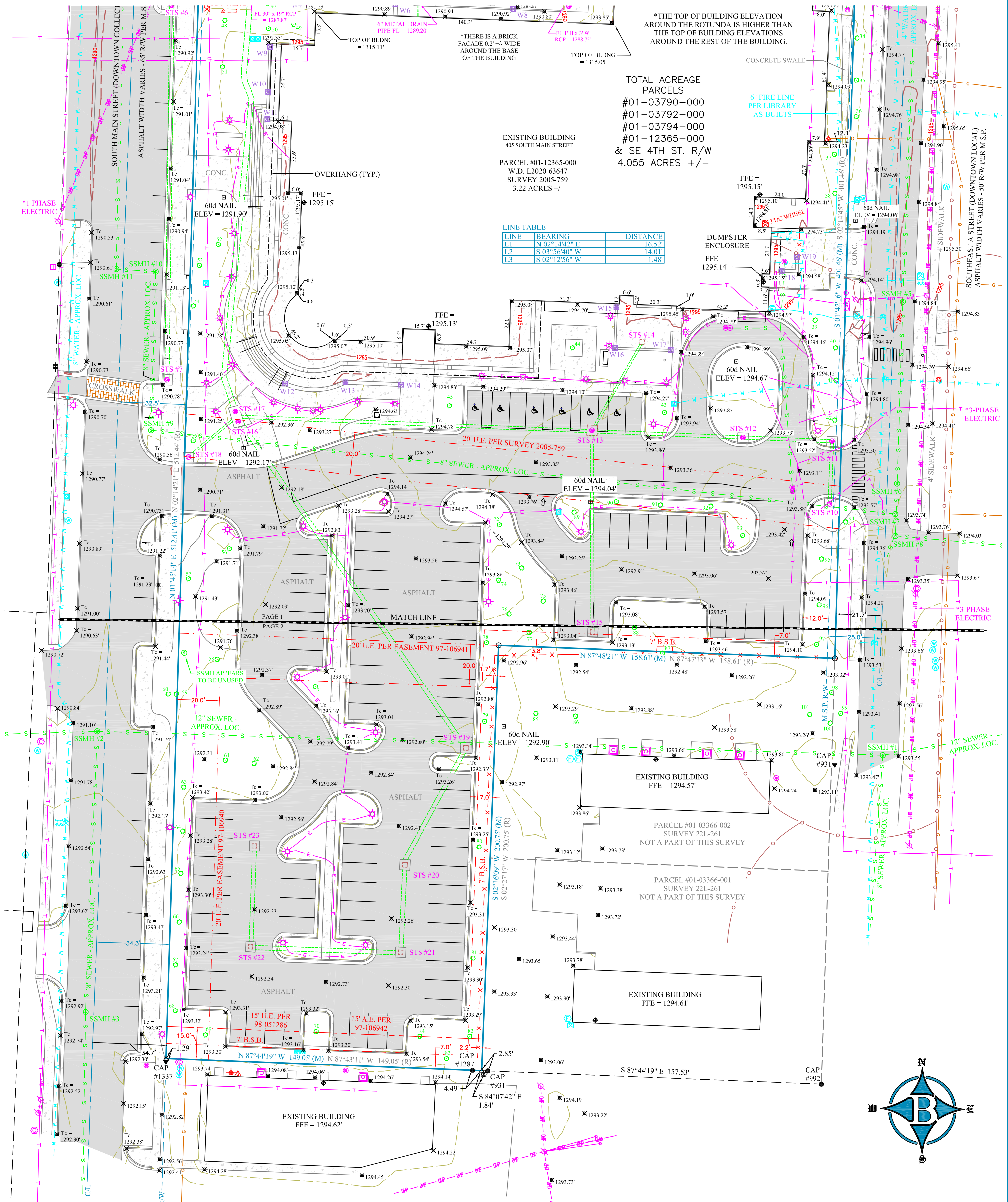
Bates & Associates, Inc.
Engineers - Surveyors - Landscape Architects
7230 S. Pleasant Ridge Dr. - Fayetteville, Arkansas 72704 - 479.442.9350 - Fax 479.521.9350
This survey was conducted for the person or persons whose name(s) appear on this plat. This plat is protected by copyright. No one including the person(s) named may reproduce this plat without the express written consent of Bates & Associates, Inc. Surveyor or has made no independent investigation for encumbrances of record, encroachments, restrictive covenants, ownership title evidence, or any other fact which a complete and accurate title search may disclose. Any flood statement provided on this plat is for information only and Bates & Associates, Inc. assumes no liability for the correctness of the herein cited maps, furthermore the above statement does not represent the opinion of Bates & Associates, Inc. of the probability of flooding.

LEGEND:
THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING.
(R) RECORD DISTANCE
(M) MEASURED DISTANCE
● FOUND 5/8" REBAR
● SET 5/8" REBAR/CAP
⊙ FOUND PIPE
⊙ FOUND 12" REBAR
⊙ 60# NAIL ELEV. BENCHMARK
▼ FOUND MAG NAIL
△ COMPUTED POINT

- FINISHED FLOOR ELEVATION
- WALL ELEVATION
- SPOT ELEVATION
- IRRIGATION CONTROL VALVE
- YARD HYDRANT
- FIRE HYDRANT
- FDC
- WATER VALVE
- FLAG POLE
- GAS HOOKUP
- GAS PEDestal
- GAS METER

- ELECTRICAL PEDESTAL
- ELECTRICAL BOX
- ELECTRICAL METER
- ELEC. GUY ANCHOR
- POWER POLE
- CABLE PEDESTAL</

BOUNDARY & TOPOGRAPHIC SURVEY (PAGE 3 OF 3)

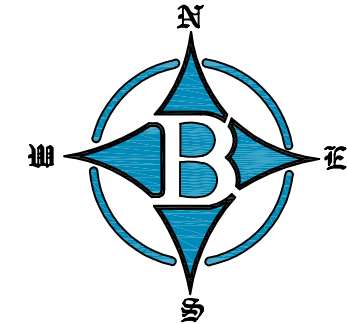


FOR USE AND BENEFIT OF:
BENTONVILLE PUBLIC LIBRARY
 ADDRESS:
 405 SOUTH MAIN STREET
 BENTONVILLE, ARKANSAS
 DATE: 12/15/21 SCALE: 1"=30'
 LOCATION: SURVEYED: DRAFTED:
 LOT 1 LIBRARY ADDITION JIRICH MT, JCR
 REVIEWED: DR
 COA #1335
 PAGE 3 OF 3

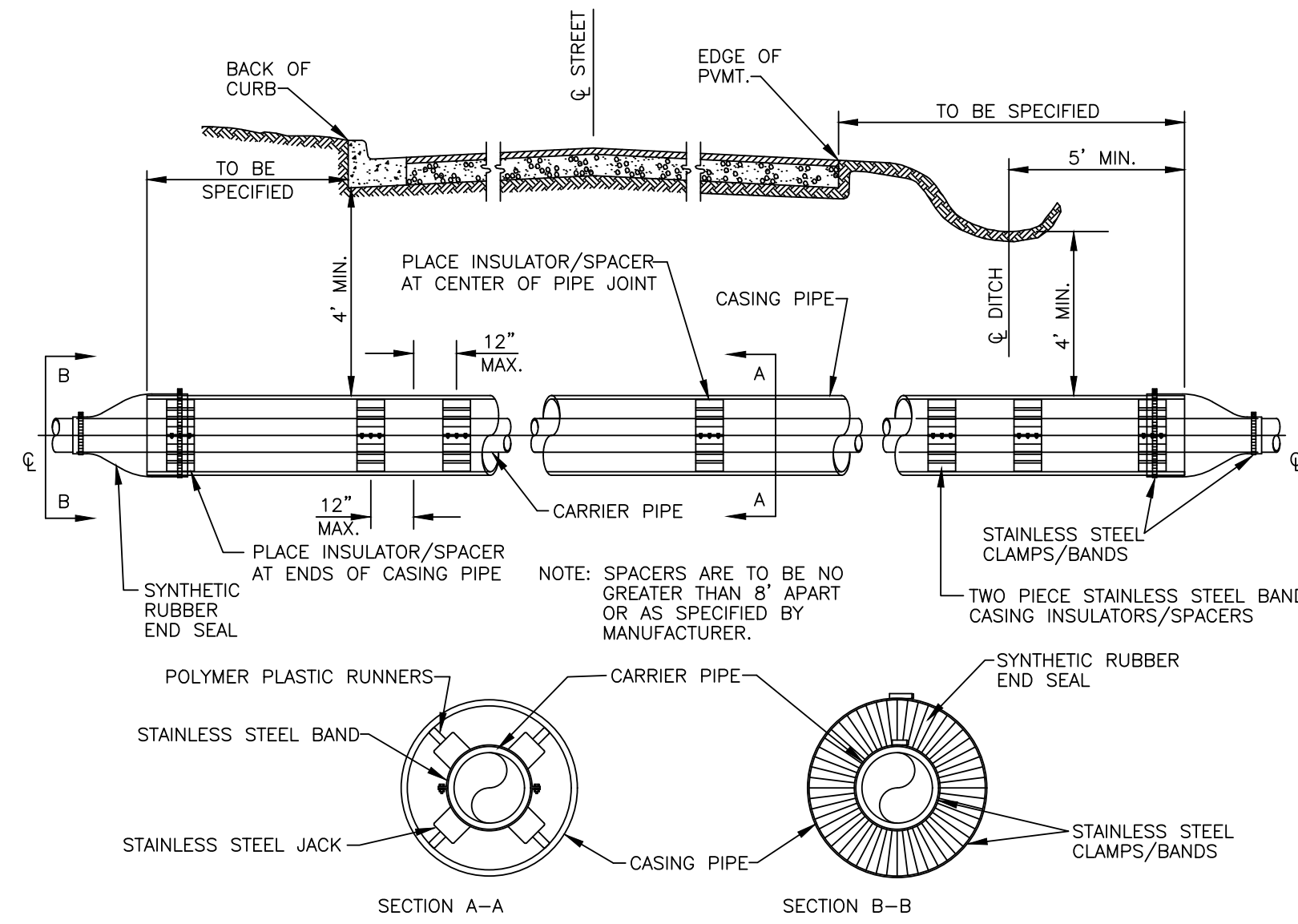
Bates & Associates, Inc.
 Engineers - Surveyors - Landscape Architects
 2230 S. Pleasant Ridge Dr. - Fayetteville, Arkansas 72704 - 479.442.9350 - Fax 479.521.8350
BATES & ASSOCIATES, INC. Copyright 2021
 This survey was conducted for the person or persons whose name(s) appear on this plat. This plat is protected by copyright. No one including the person(s) named may reproduce this plat without the express written consent of Bates & Associates, Inc. Surveyor has made no independent investigation for encumbrances of record, encroachments, restrictive covenants, ownership title evidence, or any other fact which a complete and accurate title search may disclose. Any flood statement provided on this plat is for information only and Bates & Associates, Inc. assumes no liability for the correctness of the herein cited maps, furthermore the above statement does not represent the opinion of Bates & Associates, Inc. of the probability of flooding.

- LEGEND:**
 THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING.
 (R) RECORDED DISTANCE
 (M) MEASURED DISTANCE
 ○ FOUND 5/8" REBAR
 ○ SET 5/8" REBAR-CAP
 ○ FOUND PIPE
 ○ FOUND 1/2" REBAR
 ○ 60d NAIL ELEV. BENCHMARK
 ○ FOUND MAG NAIL
 △ COMPUTED POINT
- ◆ FINISHED FLOOR ELEVATION
 - ◆ WALL ELEVATION
 - ◆ SPOT ELEVATION
 - ◆ IRRIGATION CONTROL VALVE
 - ◆ YARD HYDRANT
 - ◆ FIRE HYDRANT
 - ◆ FDC
 - ◆ WATER VALVE
 - ◆ FLAG POLE
 - ◆ GAS HOOKUP
 - ◆ GAS PEDESTAL
 - ◆ GAS METER
 - ◆ ELECTRICAL PEDestal
 - ◆ ELECTRICAL BOX
 - ◆ ELECTRICAL METER
 - ◆ ELEC. GUY ANCHOR
 - ◆ POWER POLE
 - ◆ CABLE PEDestal
 - ◆ TELEPHONE PEDestal
 - ◆ AT&T VAULT
 - ◆ LIGHT
 - ◆ CLEANOUT
 - ◆ SANITARY SEWER MH
 - ◆ STORM SEWER MH
 - ◆ AC CONDENSER UNIT
 - ◆ BORE HOLE
 - ◆ TREE
 - ◆ SIGN

- BOUNDARY LINE (MEASURED)
- BOUNDARY LINE (EXISTING)
- FORTY LINE/TIE LINE
- CENTERLINE OF ROAD
- RIGHT-OF-WAY
- W — W — WATER LINE
- OP — OP — OVERHEAD POWER LINE
- S — S — SEWER LINE
- UNDERGROUND STORM PIPE
- E — ELECTRIC LINE
- G — GAS LINE
- FO — FIBER OPTIC LINE
- C — CABLE LINE
- X — X — FENCE
- — — BUILDING SETBACK
- — — UTILITY EASEMENT



ENCASEMENT DETAIL



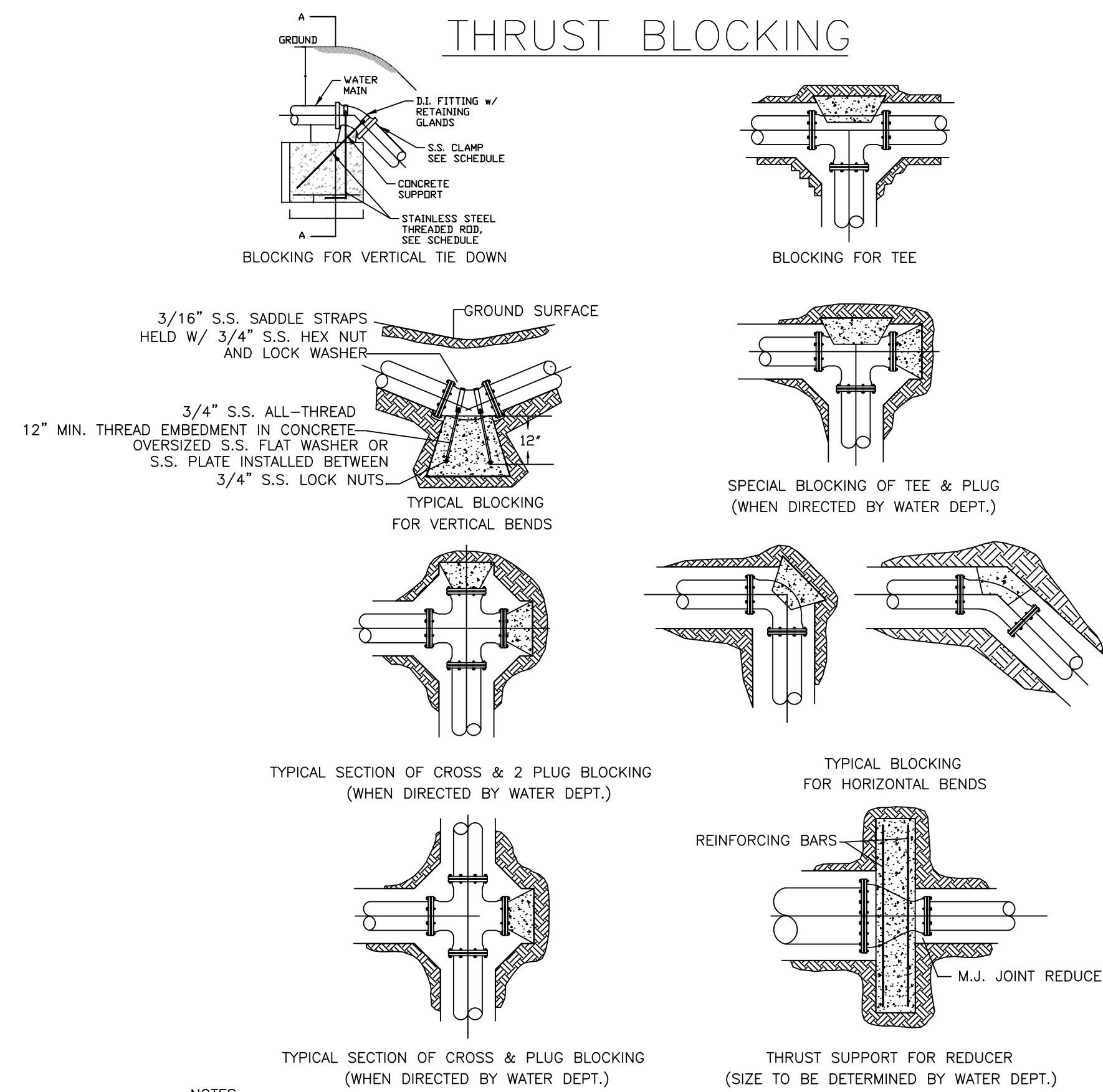
CARRIER & CASING SIZES	
PIPE SIZE	REINFORCING BARS
CARRIER	4" 6" 8" 10" 12" 14" 16" 18" 20"
CASING	16" 16" 16" 18" 20" 24" 30" 30" 36"
CASING WALL THICKNESS	.219 .219 .219 .250 .281 .344 .406 .406 .500

NOTE: DUCTILE IRON, OR PVC PIPE REQUIRED FOR WATER, OR SEWER.

*ALL BELLS SHALL BE RESTRAINED INSIDE ENCASEMENT BY APPROVED METHOD.

GENERAL WATER/SEWER DETAIL: GWS01

THRUST BLOCKING



- NOTES
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED SOIL USING 4,000 PSI CONCRETE.
 2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A THRUST BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
 3. WEIGHT CALCULATIONS TO BE BASED ON REACTION BACKING TABLE (SEE GWS03).
 4. WHEN BLOCKING AGAINST FITTINGS, FITTINGS SHALL BE COVERED WITH POLYETHYLENE WRAP TO PREVENT BONDING OF CONCRETE.
 5. WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
 6. CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTIONS.
 7. CLEARANCE ON PIPES BELONGING TO OIL/GAS COMPANIES SHALL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES AND THE DEPARTMENT.
 8. 12" OF ALL THREAD EMBEDDED IN CONCRETE.
 9. MIN. 5/8" ALL THREAD FOR SECTIONS 10FT OR UNDER

GENERAL WATER/SEWER DETAIL: GWS02

REACTION BACKING TABLE

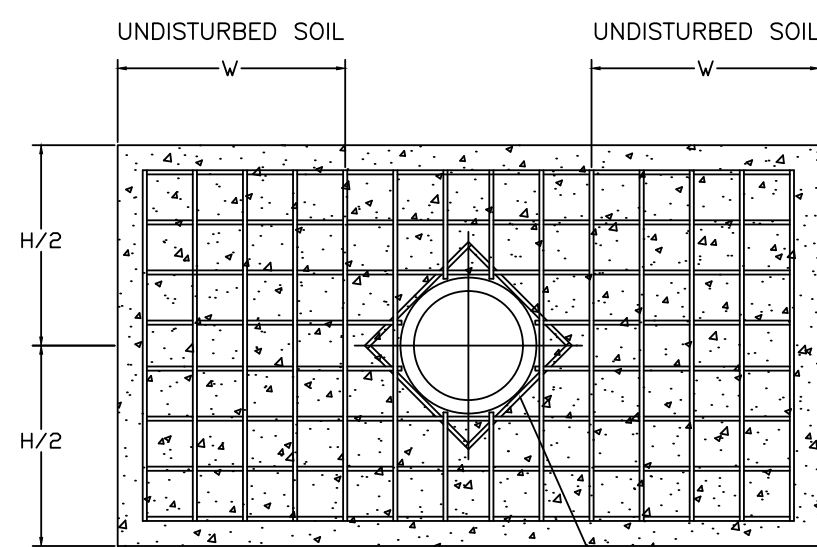
PIPE SIZE	VOLUME REQ'D (CU. FT.)	BLOCKING SCHEDULE			ROD DIA.
		45'	22 1/2'	11 1/4'	
8"	A (FT.)	98.5	50.2	25.2	3/4 IN.
	B (FT.)	5.00'	4.00'	3.00'	
	C (FT.)	4.00'	3.20'	2.80'	
MIN. CLAMP (2 EA.)		3/8 IN. x 2 IN.			
12"	A (FT.)	209.5	106.8	53.7	3/4 IN.
	B (FT.)	6.00'	5.00'	4.00'	
	C (FT.)	6.00'	4.25'	3.50'	
MIN. CLAMP (2 EA.)		1/2 IN. x 2 IN.			
18"	A (FT.)	457.2	233.1	117.1	1 IN.
	B (FT.)	8.00'	6.50'	5.00'	
	C (FT.)	7.25'	5.50'	4.75'	
MIN. CLAMP (2 EA.)		5/8 IN. x 3 IN.			
24"	A (FT.)	800.3	408.0	205.0	1 1/4 IN.
	B (FT.)	9.50'	7.50'	6.00'	
	C (FT.)	9.00'	7.25'	5.75'	
MIN. CLAMP (2 EA.)		5/8 IN. x 3 IN.			

- NOTES
1. ALL FITTINGS SHALL BE MECHANICAL JOINTS.
 2. DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
 3. WRAP ALL FITTINGS WITH POLY WRAP.
 4. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
 5. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
 6. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL, SHALL BE BACKED WITH CONCRETE.
 7. REACTION BACKING TABLE IS BASED ON 150 PSI AND SOIL BEARING PRESSURE OF 2,000 LB/SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS REQUIRED BY CITY WATER DEPARTMENT.

GENERAL WATER/SEWER DETAIL: GWS03

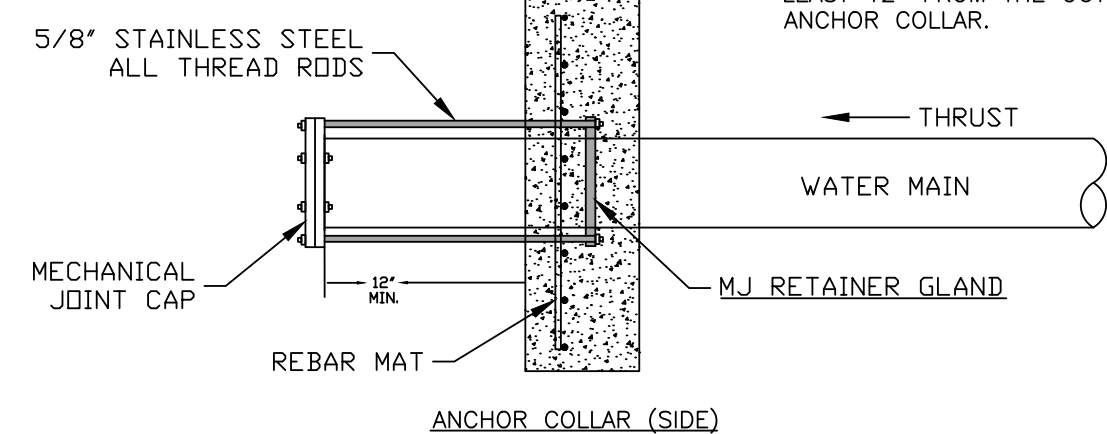
ANCHOR COLLAR SPECIFICATIONS

PIPE SIZE	ANCHOR COLLAR SCHEDULE				REINFORCING BARS	
	W	H	T	M	"A" BARS	"B" BARS
6"	1.5"	2.0"	1.0"	M.J. RETAINER GLAND	#6@6"	#6@6"
8"	1.5"	2.5"	1.0"	M.J. RETAINER GLAND	#6@6"	#6@6"
12"	2.0"	4.0"	1.5"	M.J. RETAINER GLAND	#6@6"	#6@6"
16"	3.0"	4.5"	1.5"	M.J. RETAINER GLAND	#6@6"	#6@6"
20"	3.0"	5.0"	2.0"	M.J. RETAINER GLAND	#6@6"	#6@6"
24"	3.5"	5.5"	2.0"	M.J. RETAINER GLAND	#7@6"	#7@10"
30"	6.5"	6.0"	2.5"		#8@6"	#7@10"
36"	7.0"	7.0"	2.5"	4"	#8@6"	#7@10"



ROD REQUIREMENTS	
MAIN SIZE	NO. OF RODS
6"	2
8"	4
12"	4
16"	6
24"	6
30"	8
36"	8

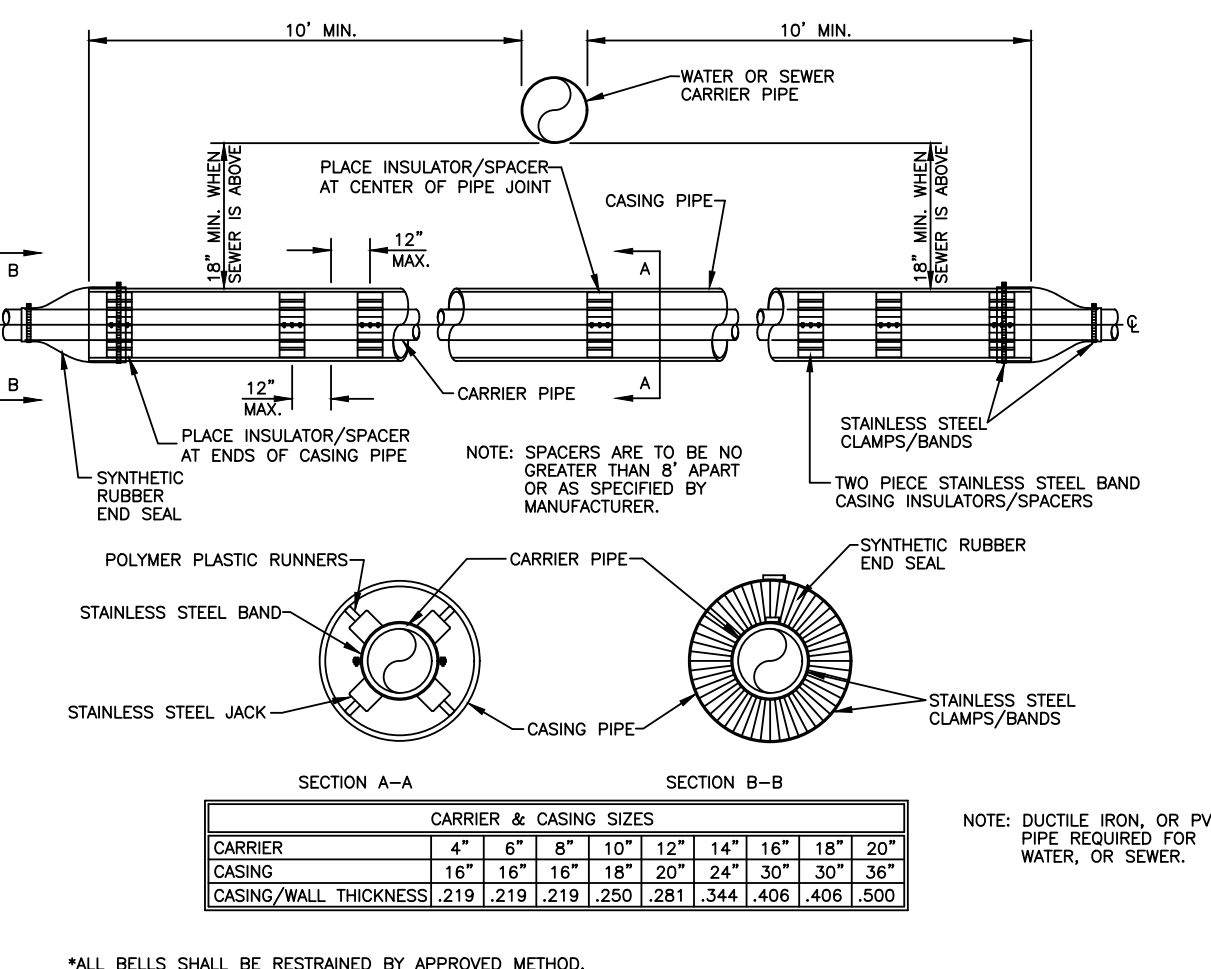
NOTE: USE M.J. RETAINER GLANDS FOR PIPE 24" AND SMALLER.
NOTE: PIPE SURFACES SHALL BE CLEANED OF ALL FOREIGN MATERIAL BEFORE 4000 PSI CONCRETE COLLAR IS POURED.
NOTE: ON DEAD END LINE, PIPE MUST EXTEND AT LEAST 12" FROM THE OUTSIDE EDGE OF ANCHOR COLLAR.



NOTE: ALL-THREAD STEEL RODS SHALL BE 5/8" STAINLESS STEEL WITH STAINLESS STEEL HARDWARE.

GENERAL WATER/SEWER DETAIL: GWS04

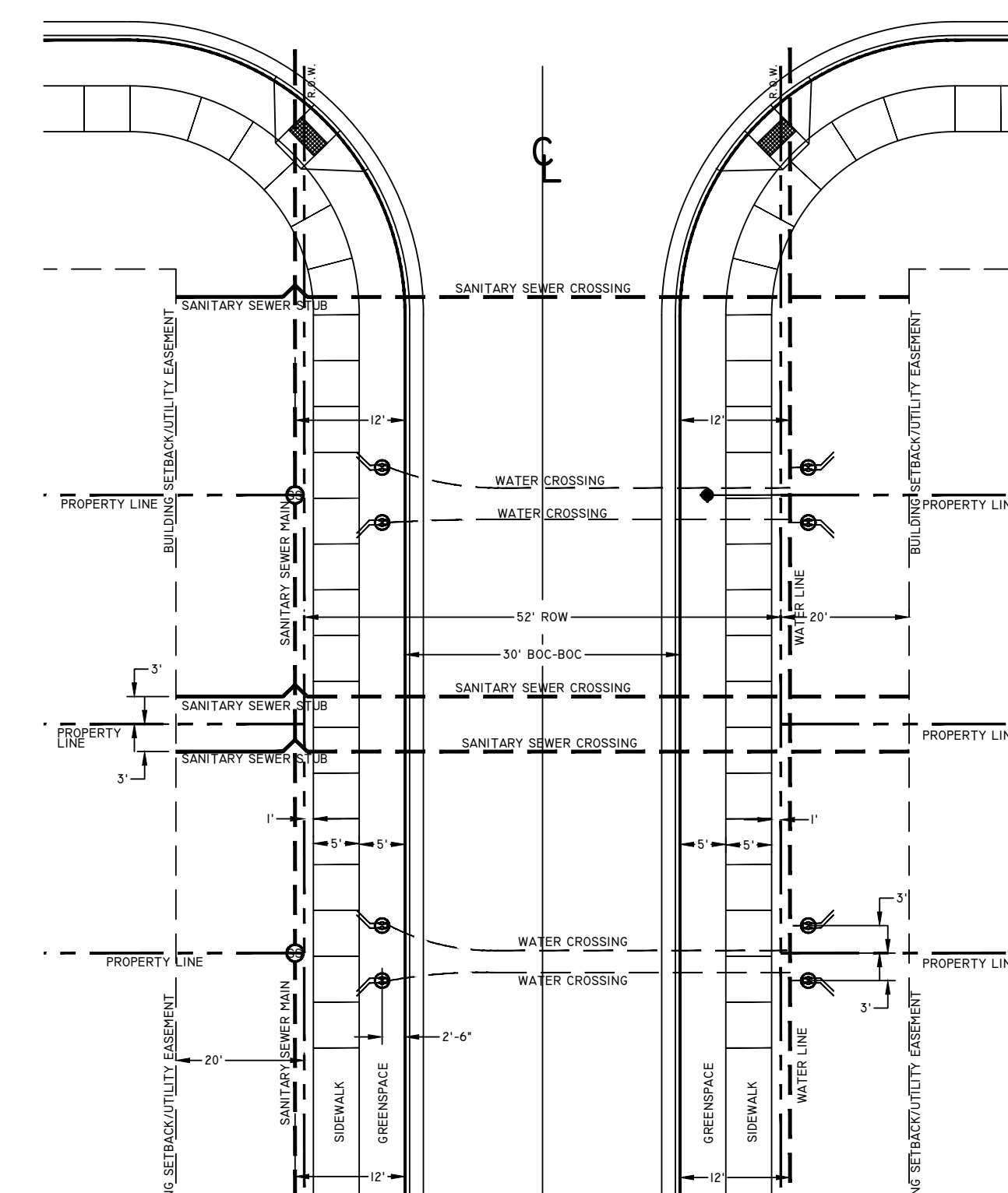
ENCASEMENT CROSSING DETAIL



*ALL BELLS SHALL BE RESTRAINED BY APPROVED METHOD.

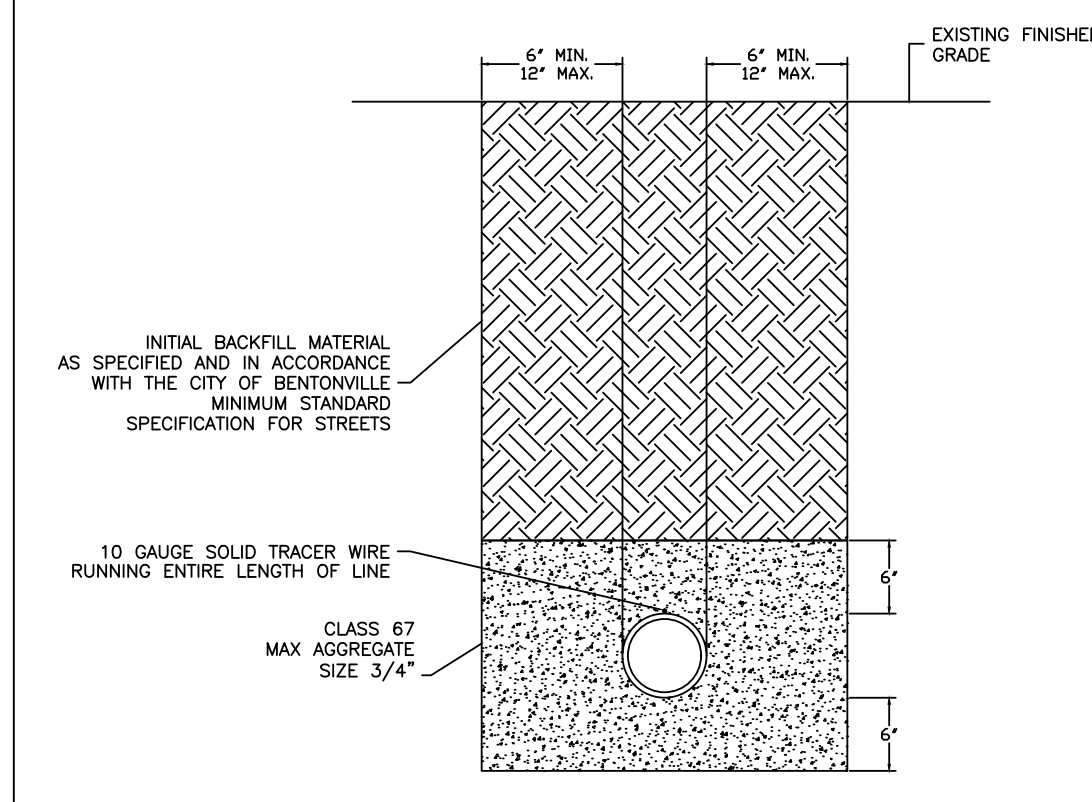
GENERAL WATER/SEWER DETAIL: GWS05

SUBDIVISION UTILITY PLACEMENT



GENERAL WATER/SEWER DETAIL: GWS06

TYPICAL BEDDING DETAIL



* REFER TO STREET SPECIFICATIONS FOR STREET REPAIR INFORMATION

GENERAL WATER/SEWER DETAIL: GWS07



3200 SW MUNICIPAL DR.
Bentonville, AR 72712
Ph: (479) 271-3140
www.bentonvillear.com

WATER/SEWER DETAILS



Know what's below.
Call before you dig.

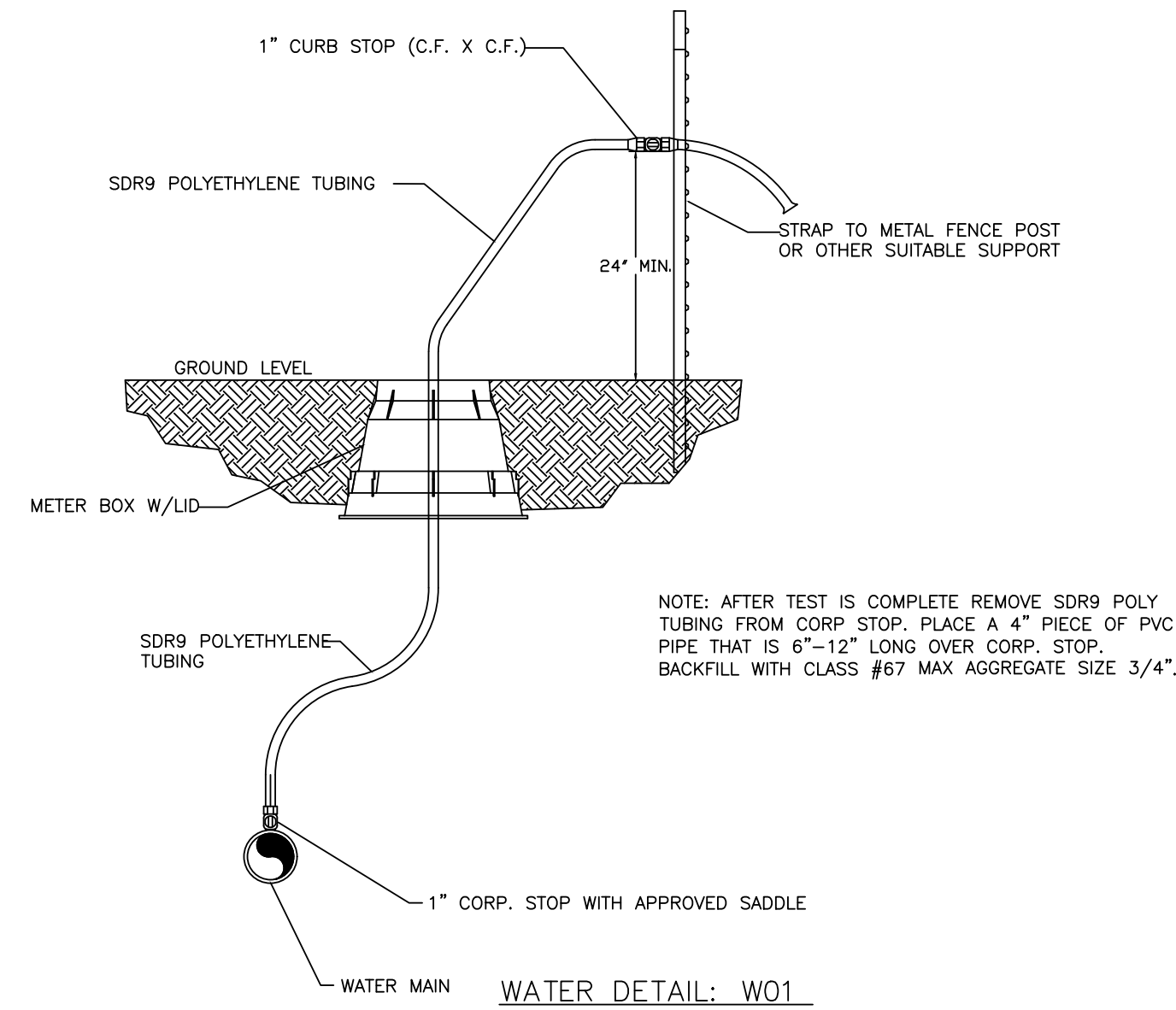
REVISIONS:
Adopted by City Council 06/22/2021
Ordinance Number: 2021-135

DRAWN BY: JI DATE: 03/16/2021

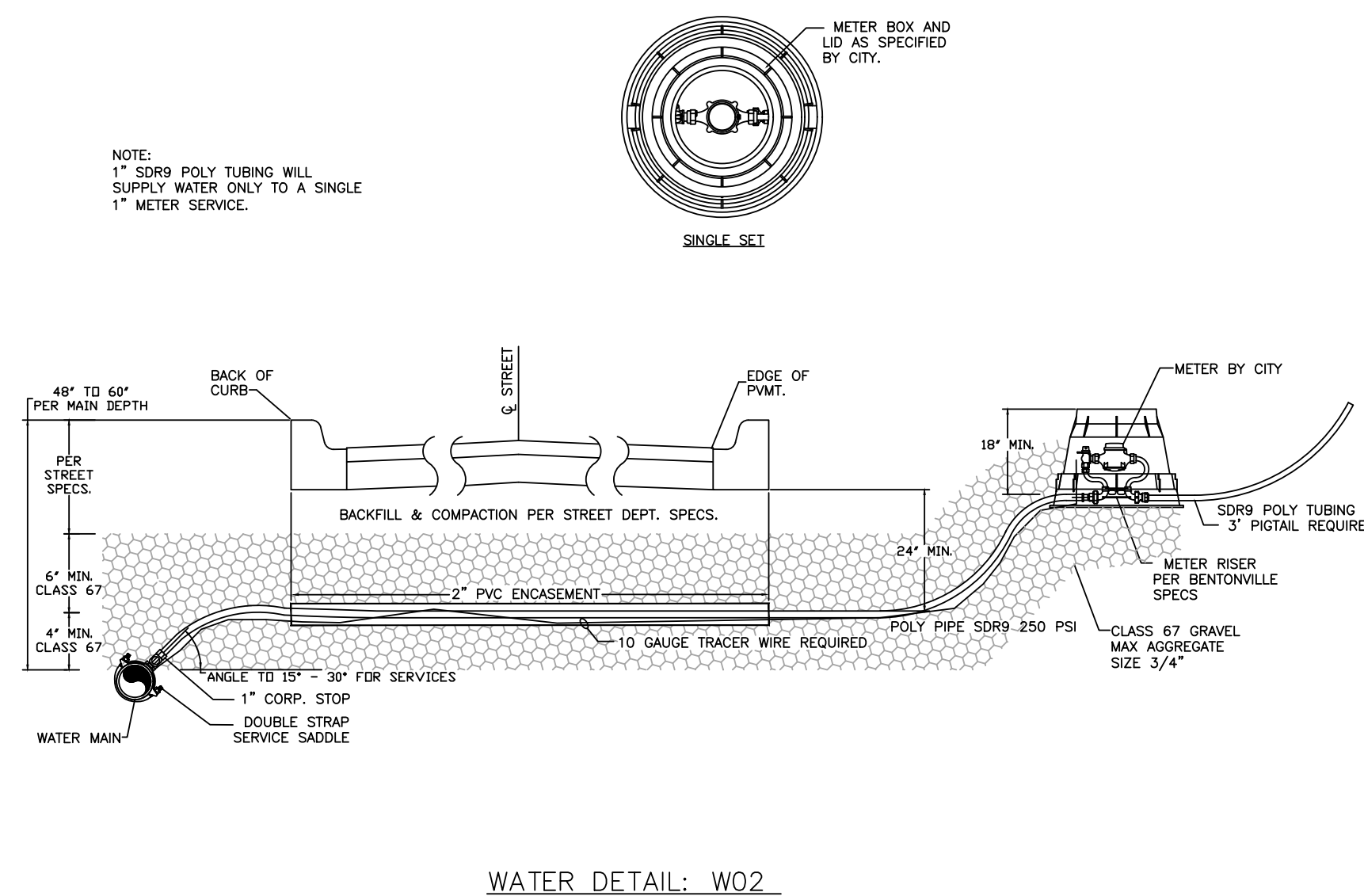
APPROVED BY: PN DATE: 03/16/2021

SHEET NUMBER: 1 OF 1

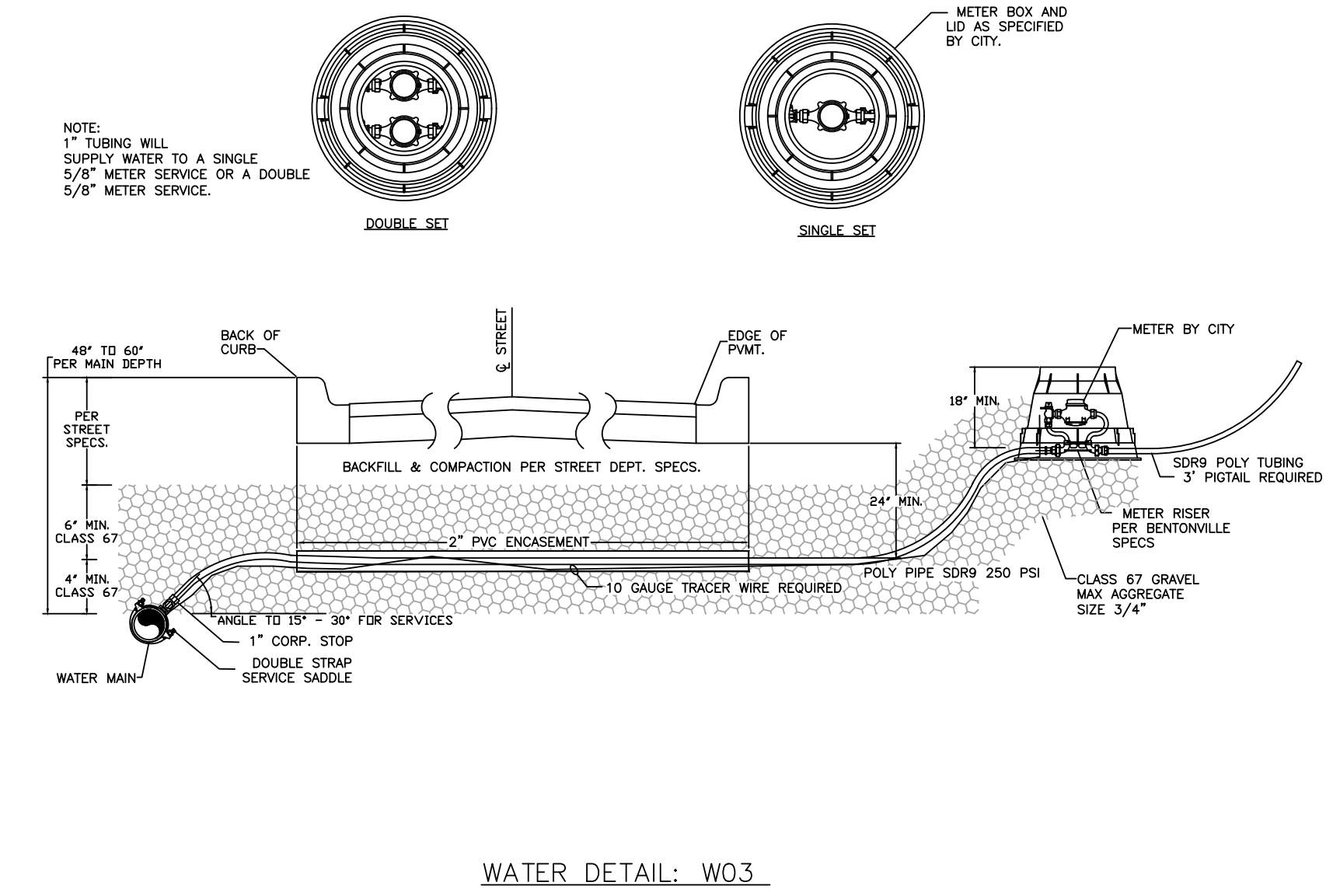
TEMPORARY 1" BLOW OFF ASSEMBLY SAMPLE POINTS



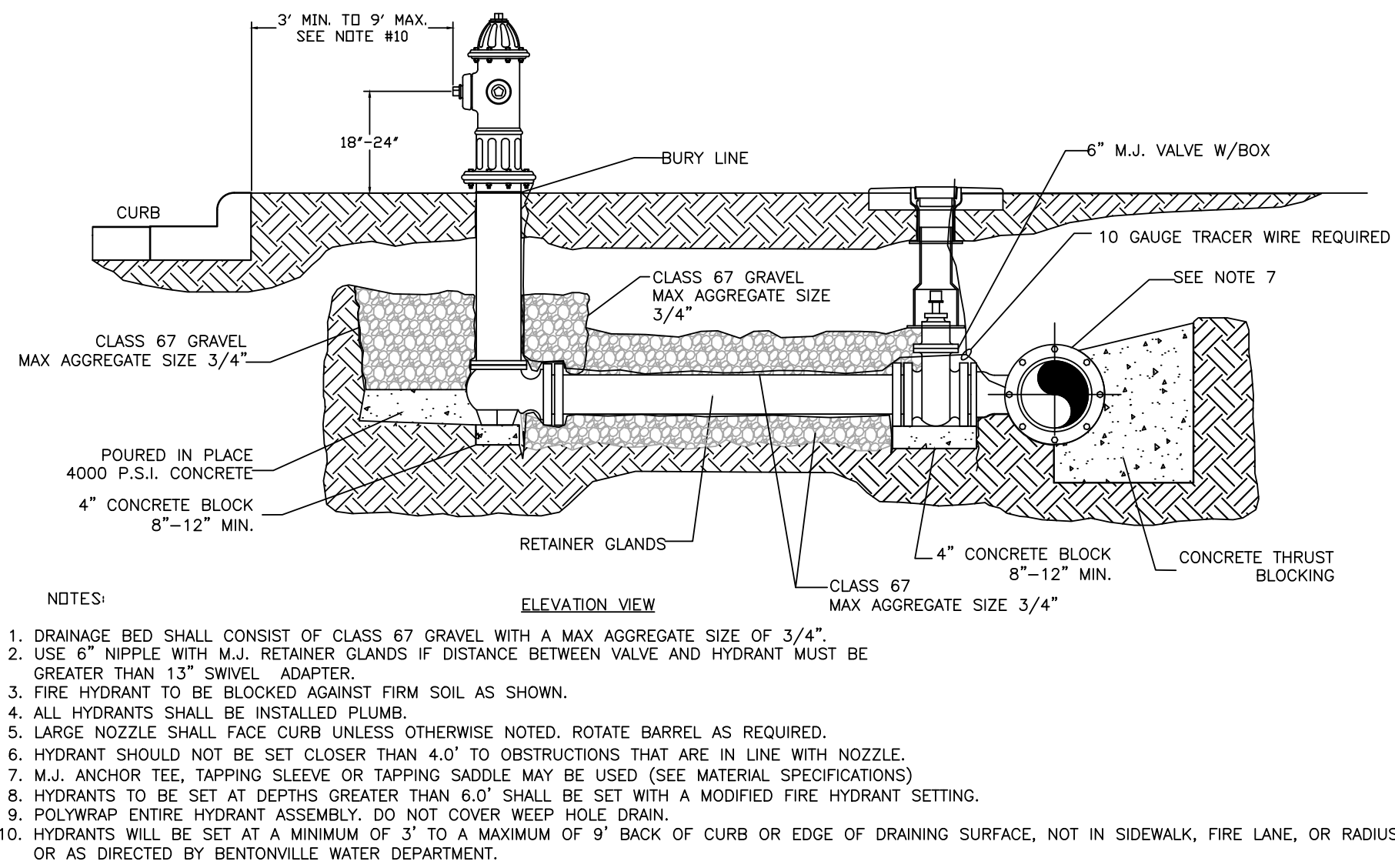
WATER SERVICE DETAIL 1"



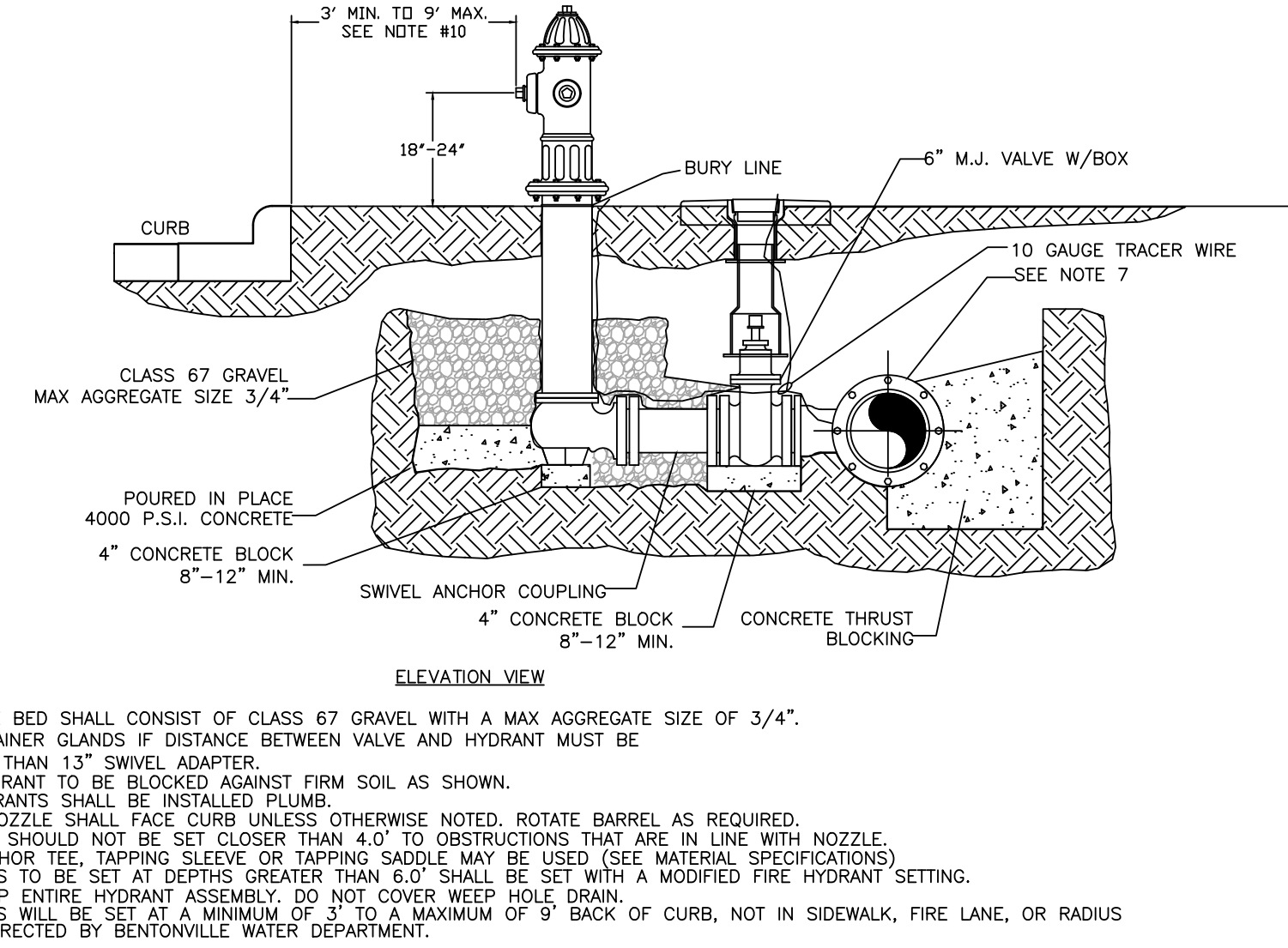
WATER SERVICE DETAIL 5/8"



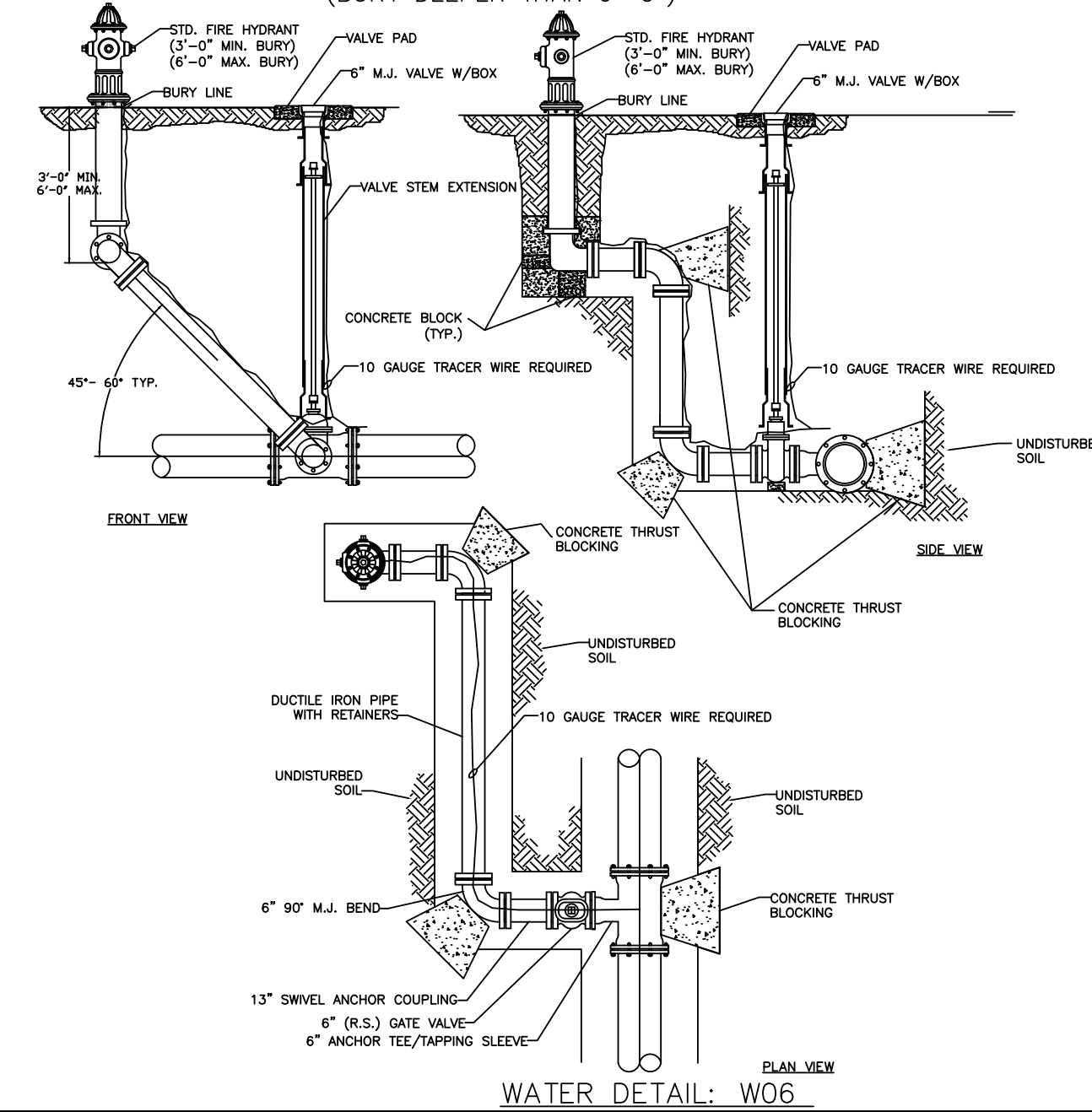
FIRE HYDRANT DETAIL W/ RETAINER GLANDS



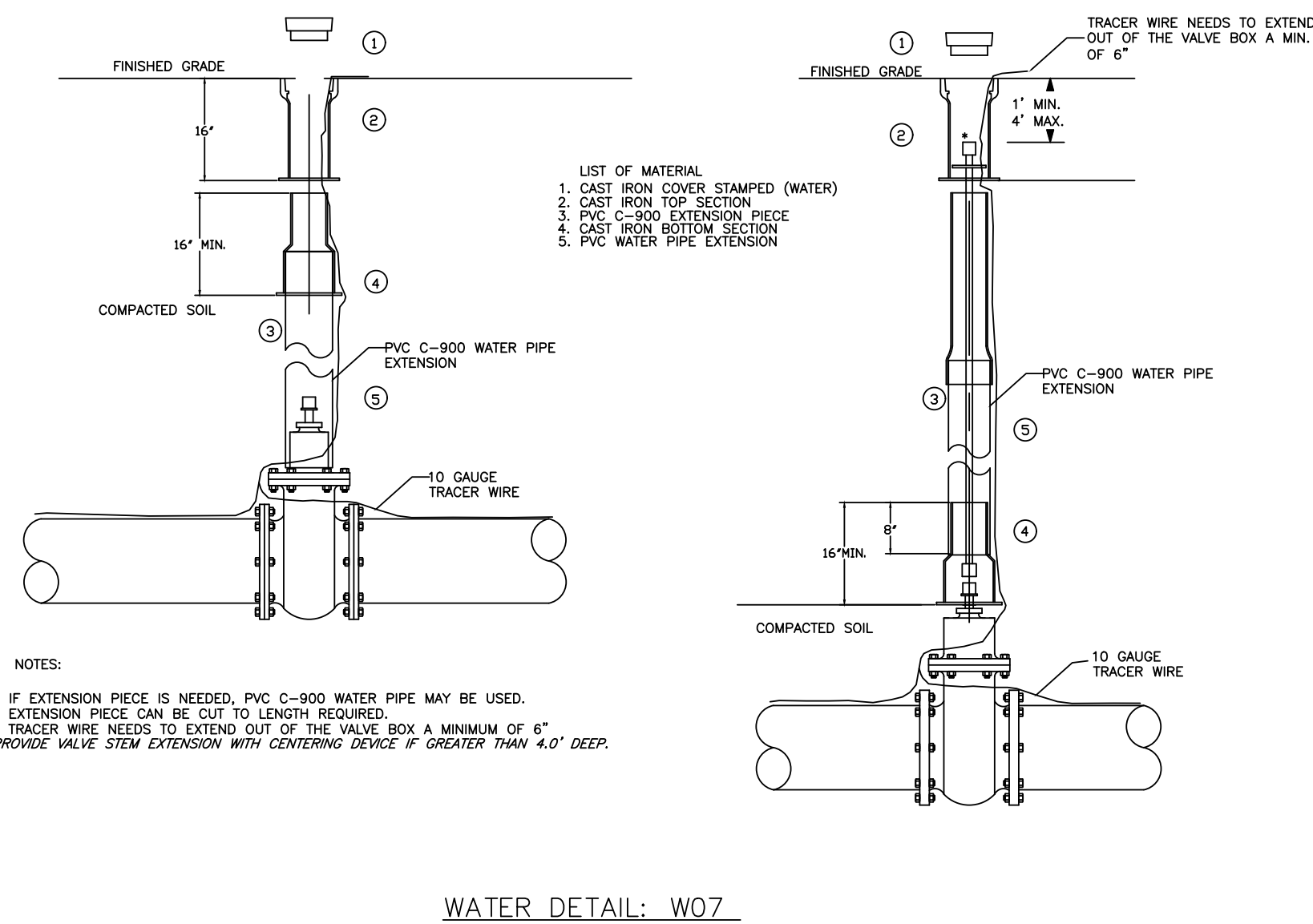
FIRE HYDRANT DETAIL W/SWIVEL ANCHOR COUPLING



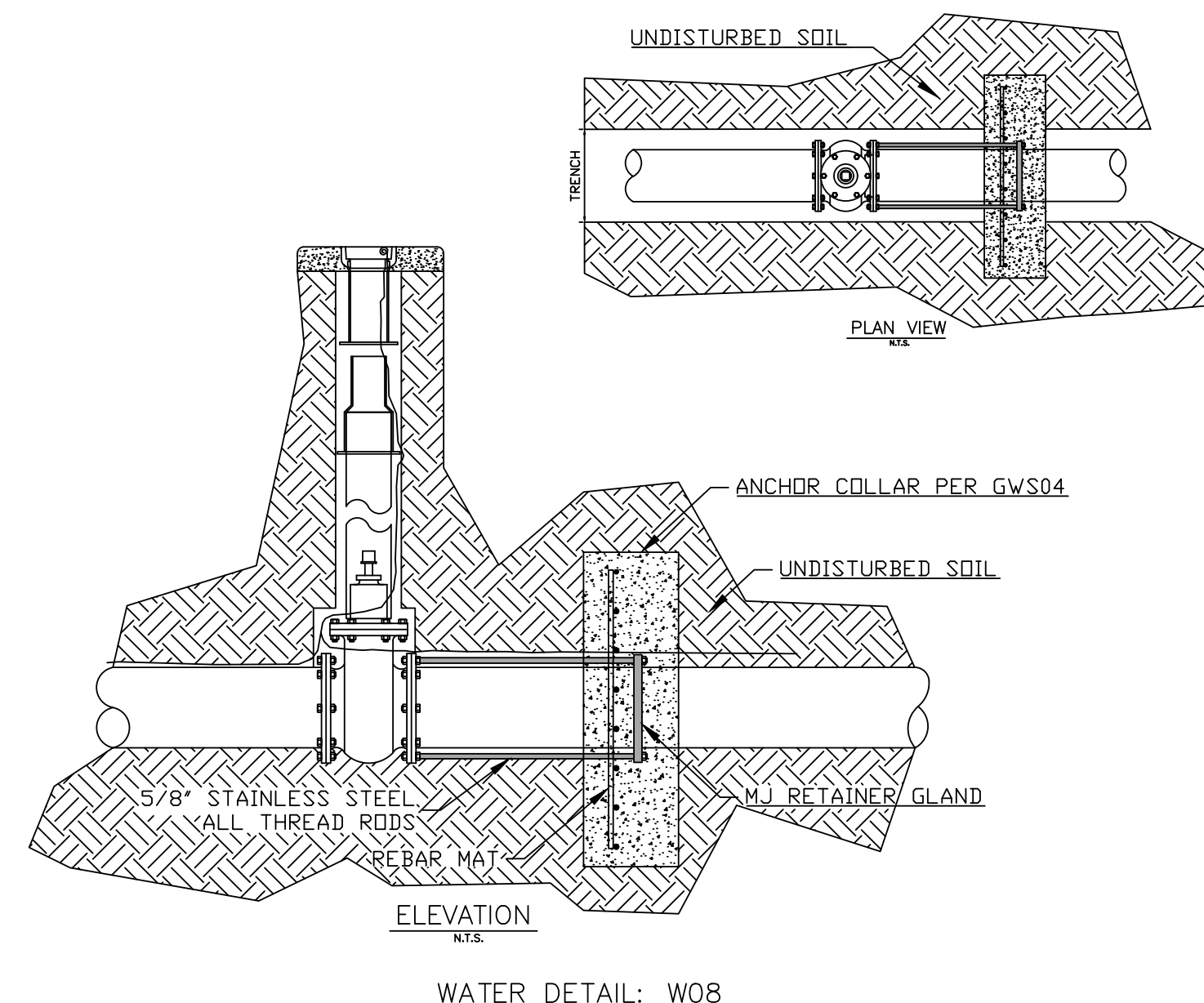
DEEP BURY FIRE HYDRANTS (BURY DEEPER THAN 6'-0")



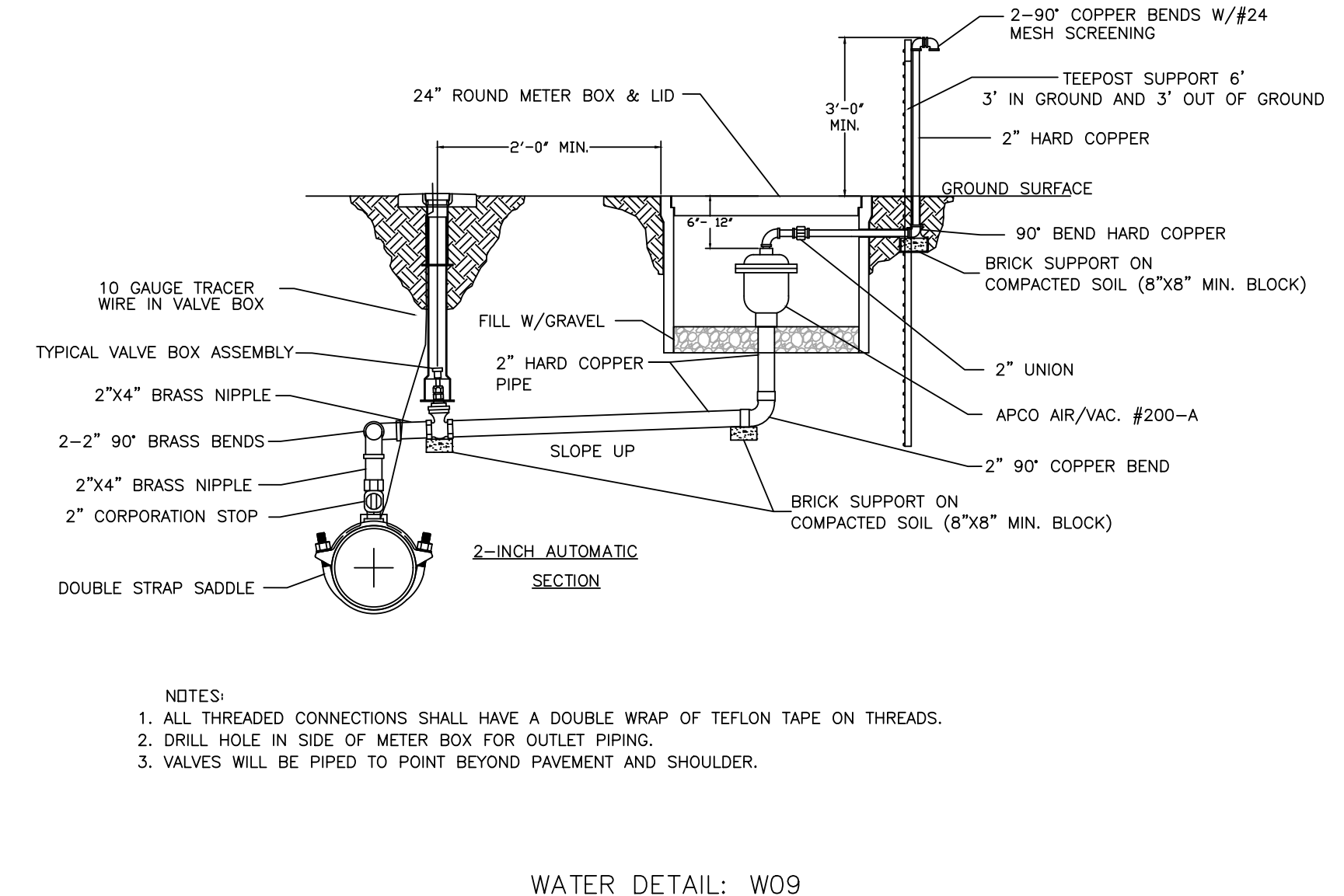
VALVE BOX VALVE STEM & TRACER WIRE INSTALLATION



RESTRAINED GATE VALVE



2" COMBINATION AIR/VACUUM VALVE DETAIL



3200 SW MUNICIPAL DR.
Bentonville, AR 72712
Ph: (479) 271-3140
www.bentonvillear.com

WATER DETAILS



Know what's below.
Call before you dig.

REVISIONS:
Adopted by City Council 06/22/2021
Ordinance Number: 2021-135

Approved by Dept. of Health
04/01/2021

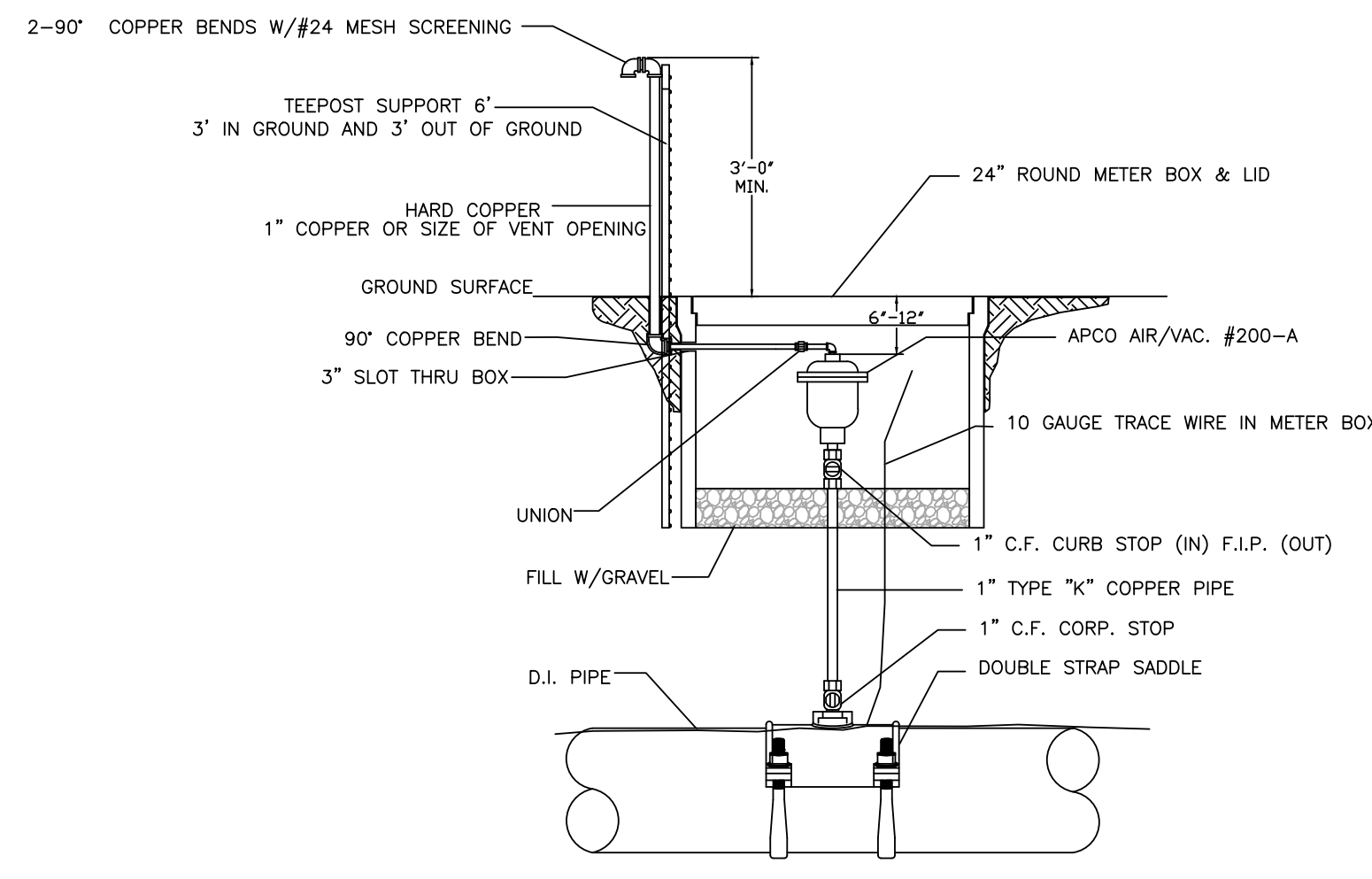
NOTES:

DRAWN BY: JI DATE: 03/16/2021

APPROVED BY: PN DATE: 03/16/2021

SHEET NUMBER: 1 OF 2

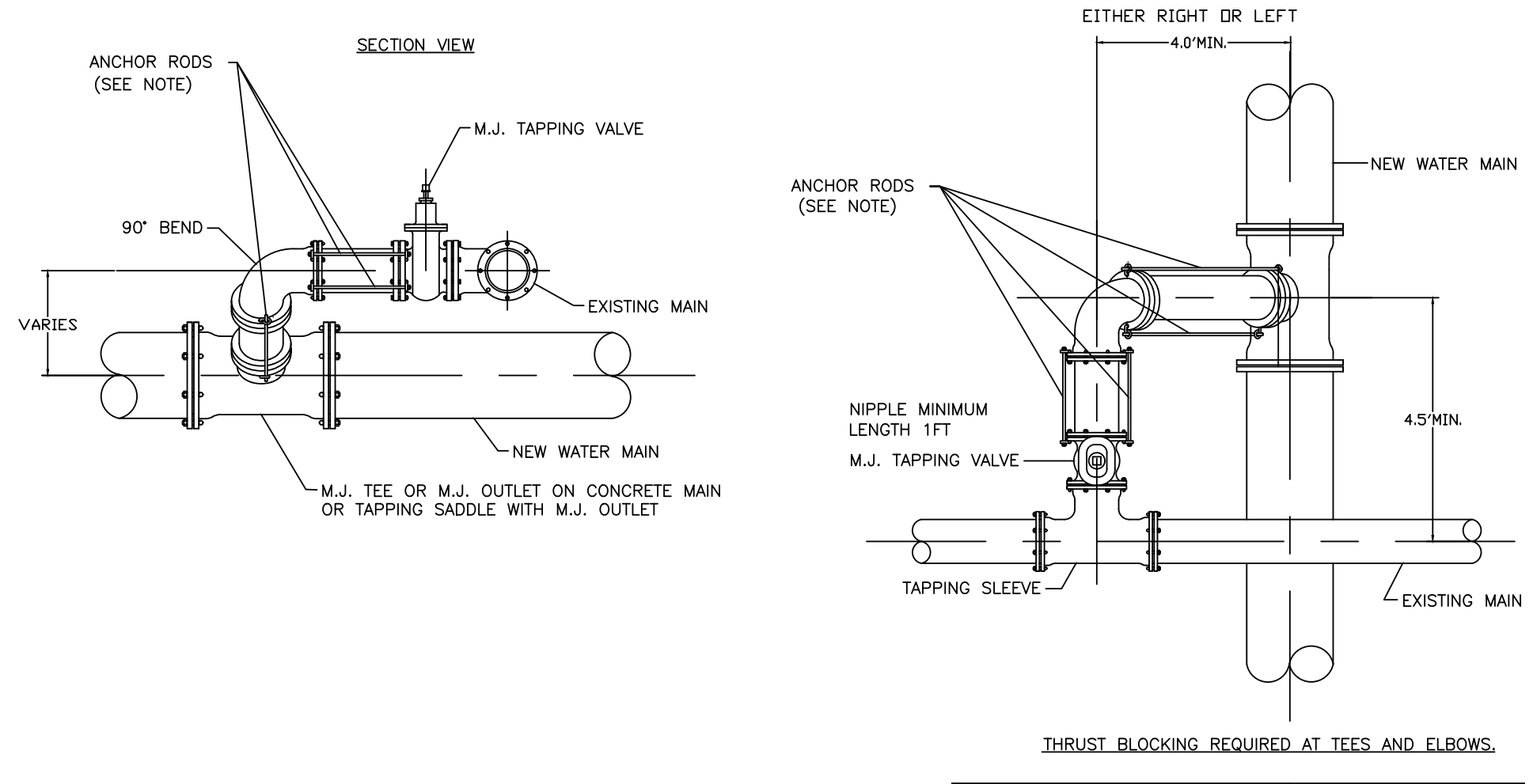
1" COMBINATION AIR/VACUUM VALVE DETAIL



- NOTES:
1. ALL THREADED CONNECTIONS SHALL HAVE A DOUBLE WRAP OF TEFLON TAPE ON THREADS.
 2. DRILL HOLE IN SIDE OF METER BOX FOR OUTLET PIPING.
 3. VALVES WILL BE PIPED TO POINT BEYOND PAVEMENT AND SHOULDER.

WATER DETAIL: W10

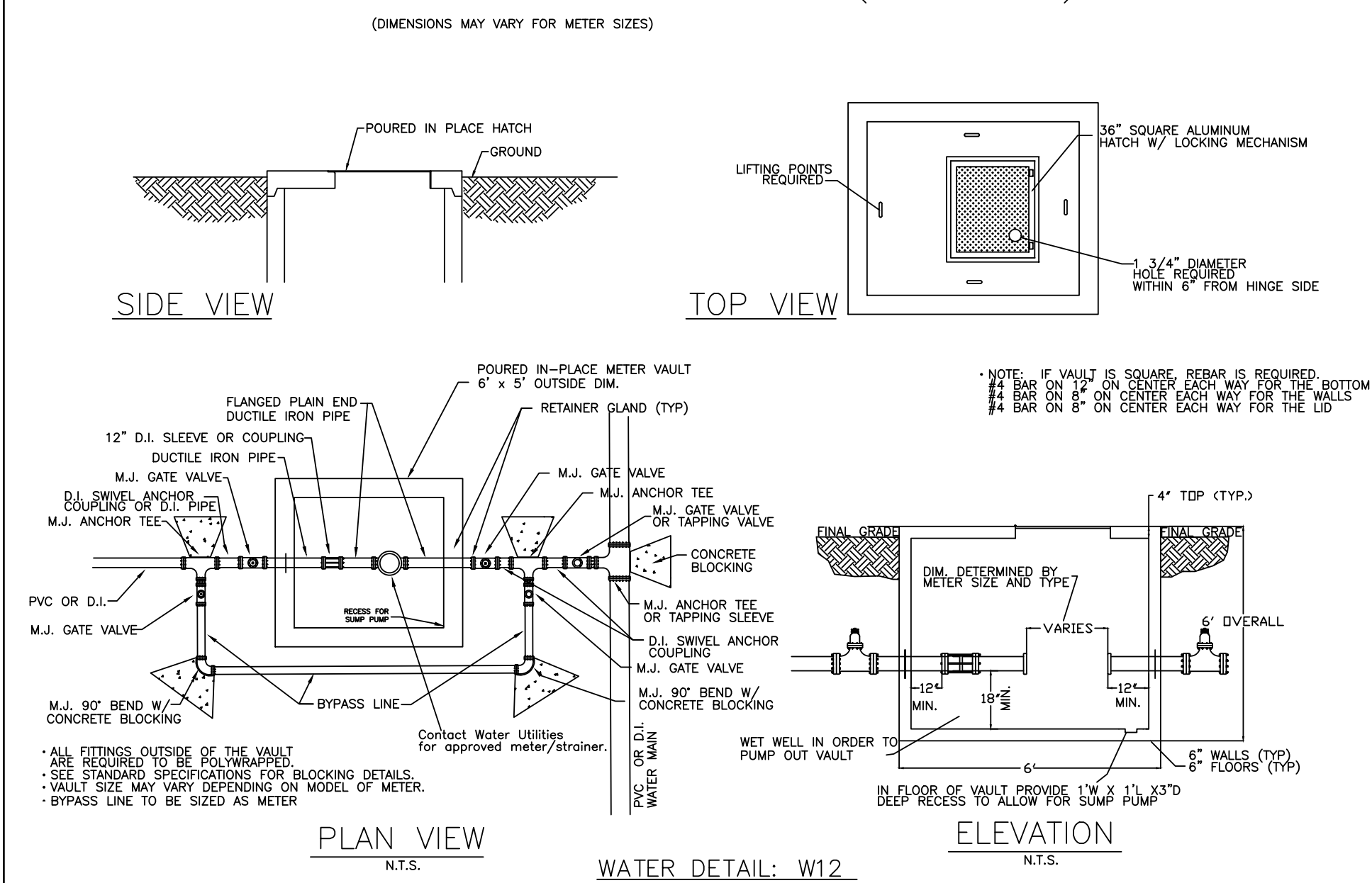
SWING CONNECTION – NEW MAIN TO EXISTING MAIN



- THRUST BLOCKING REQUIRED AT TEES AND ELBOWS:
- | PIPE SIZE | 6" | 8" | 12" |
|-----------------|----|----|-----|
| RODS PER NIPPLE | 2 | 2 | 4 |
- NOTES:
1. CONTRACTOR SHALL LOCATE EXISTING MAIN IN ADVANCE OF LAYING NEW LINE IN ORDER TO ASSURE ADEQUATE LENGTH TO ADJUST DEPTH OF NEW MAIN.
 2. DIMENSIONS SHOWN ARE RECOMMENDED MINIMUMS TO PROVIDE ADEQUATE ROOM FOR TIGHTENING BOLTS ON JOINTS. (OTHER DIMENSIONS MAY BE USED.)
 3. PROVIDE STAINLESS STEEL "ALL THREAD/MIN 5/8\"
 4. RODS SHALL BE FIELD CUT TO FIT & SHALL BE PROTECTED WITH POLYWRAP.
 5. ROTATE TEE UP & ELBOW DOWN AS REQUIRED TO MATCH.
 6. USE USUAL CONCRETE BLOCKING REQUIRED.

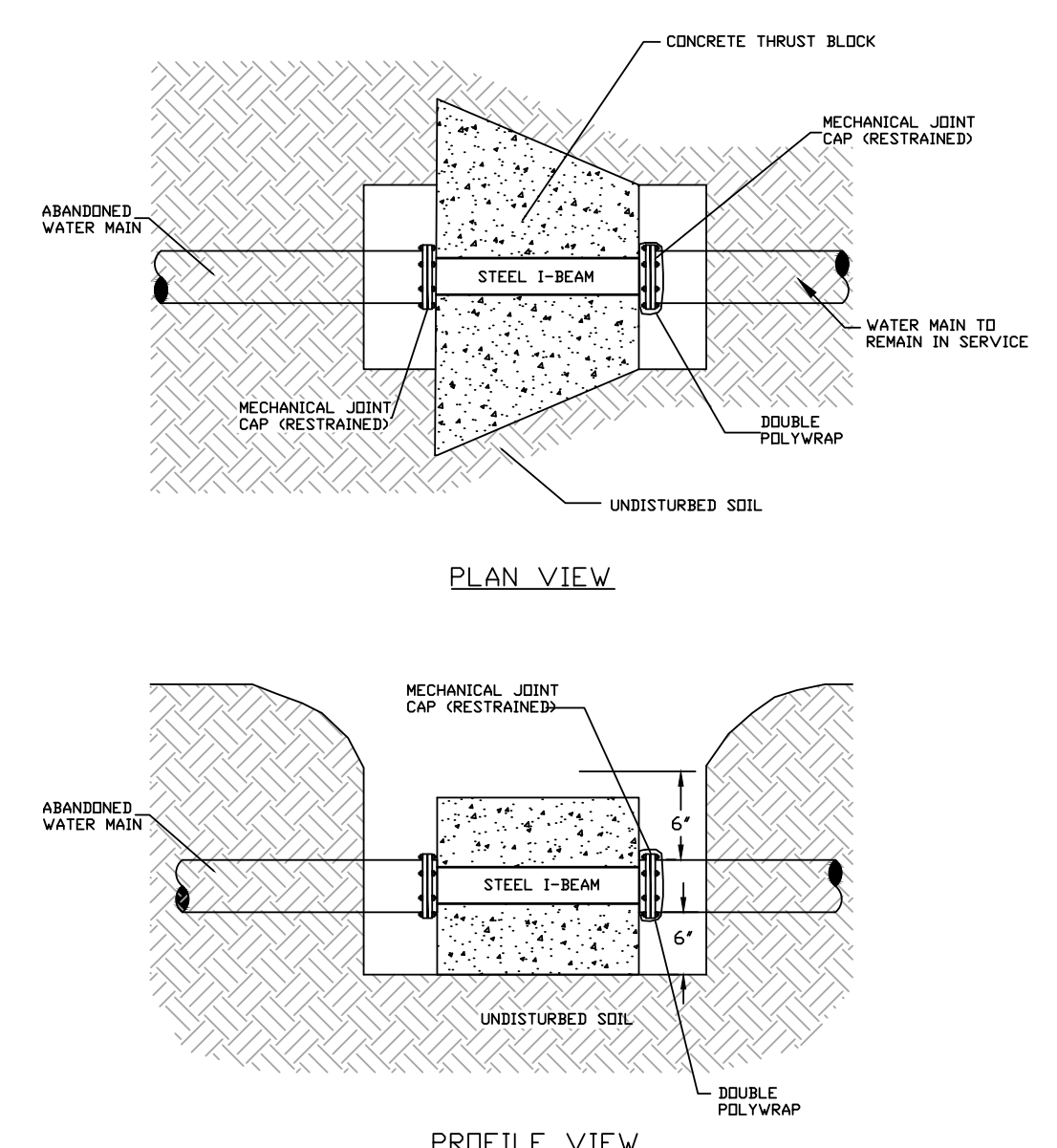
WATER DETAIL: W11

METER VAULT DETAIL FOR 4" – 8" METERS (TYPICAL)



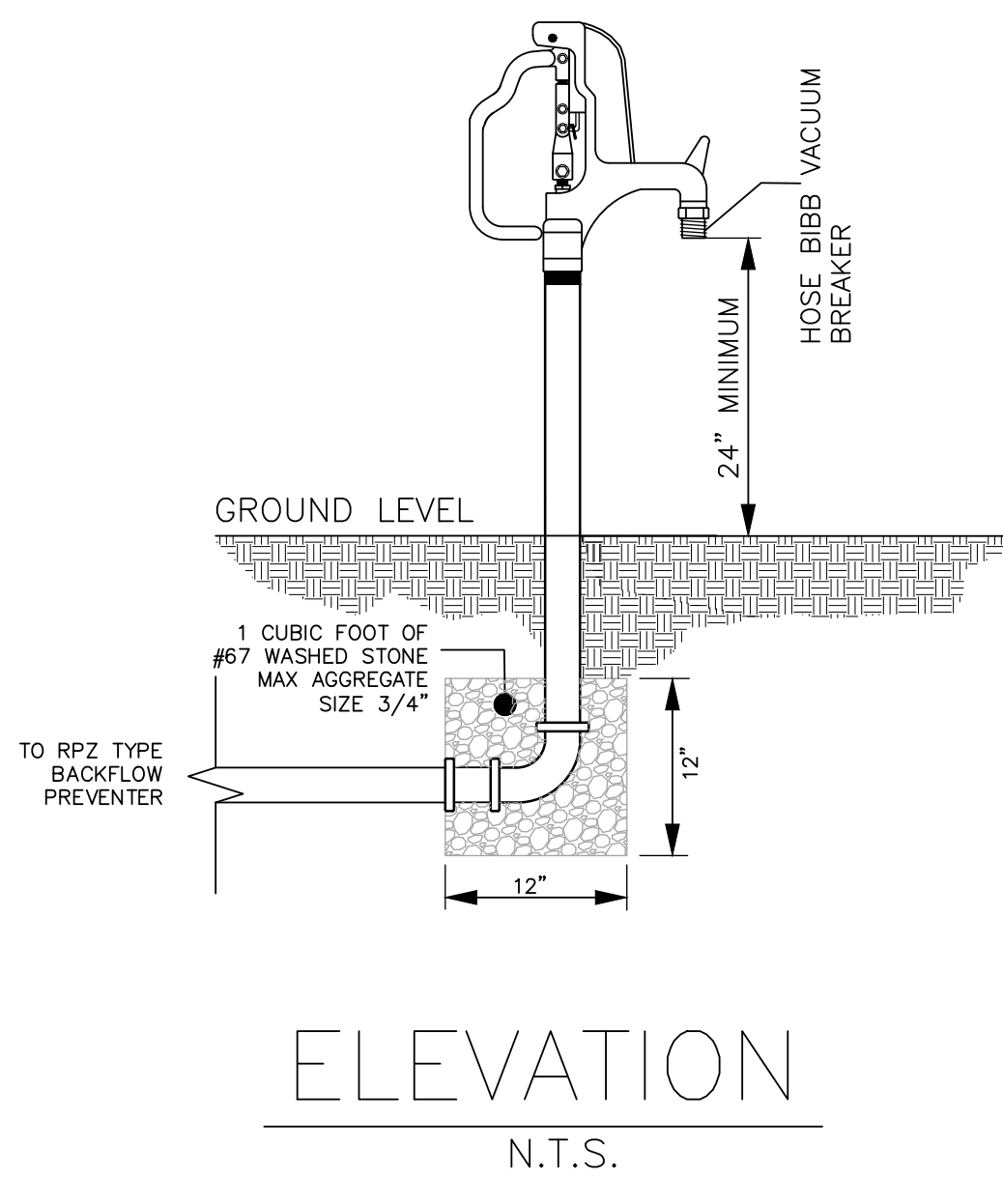
WATER DETAIL: W12

CUT/CAP DETAIL



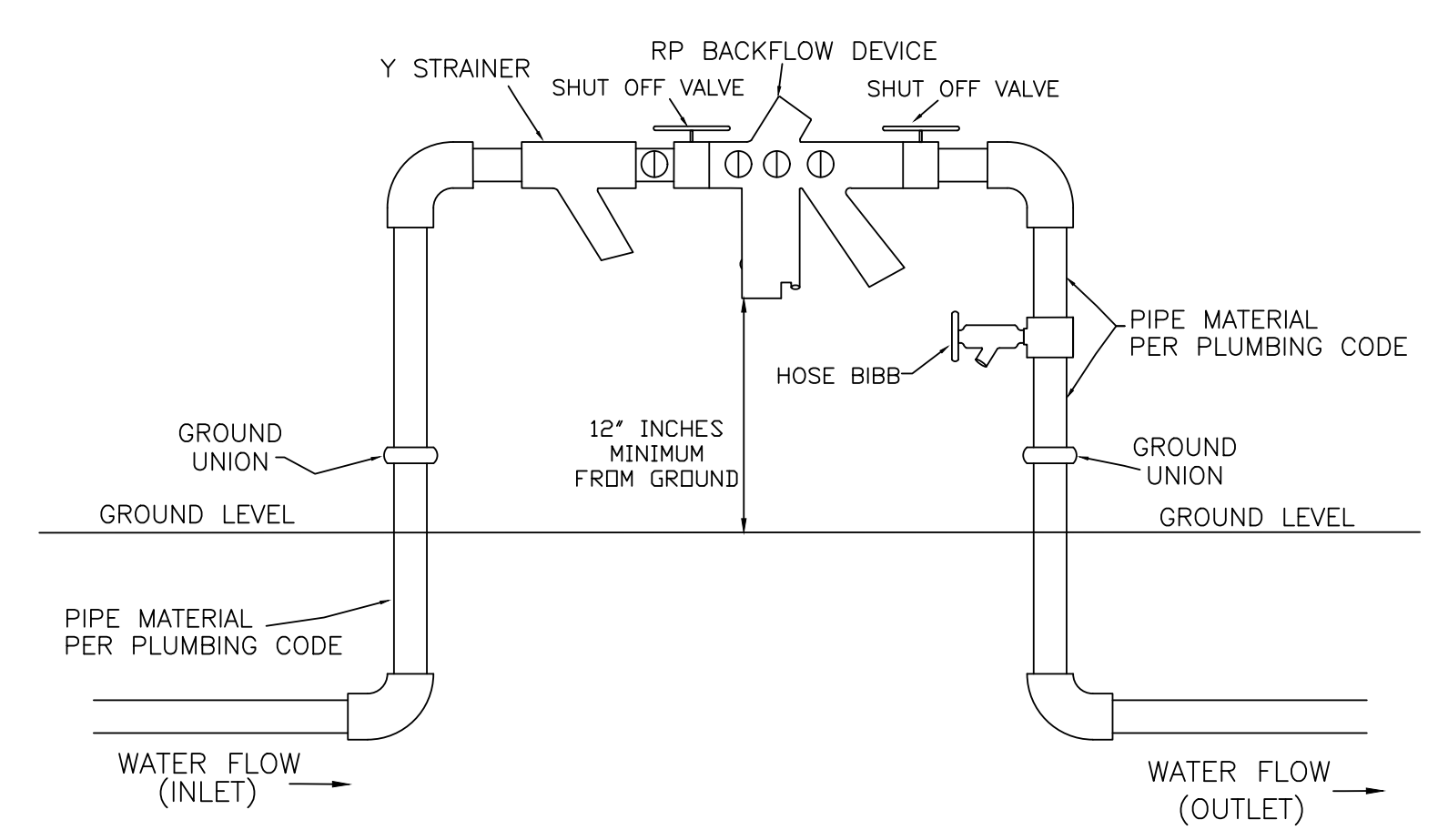
WATER DETAIL: W13

FROST FREE HOSE BIBB WITH VACUUM BREAKER



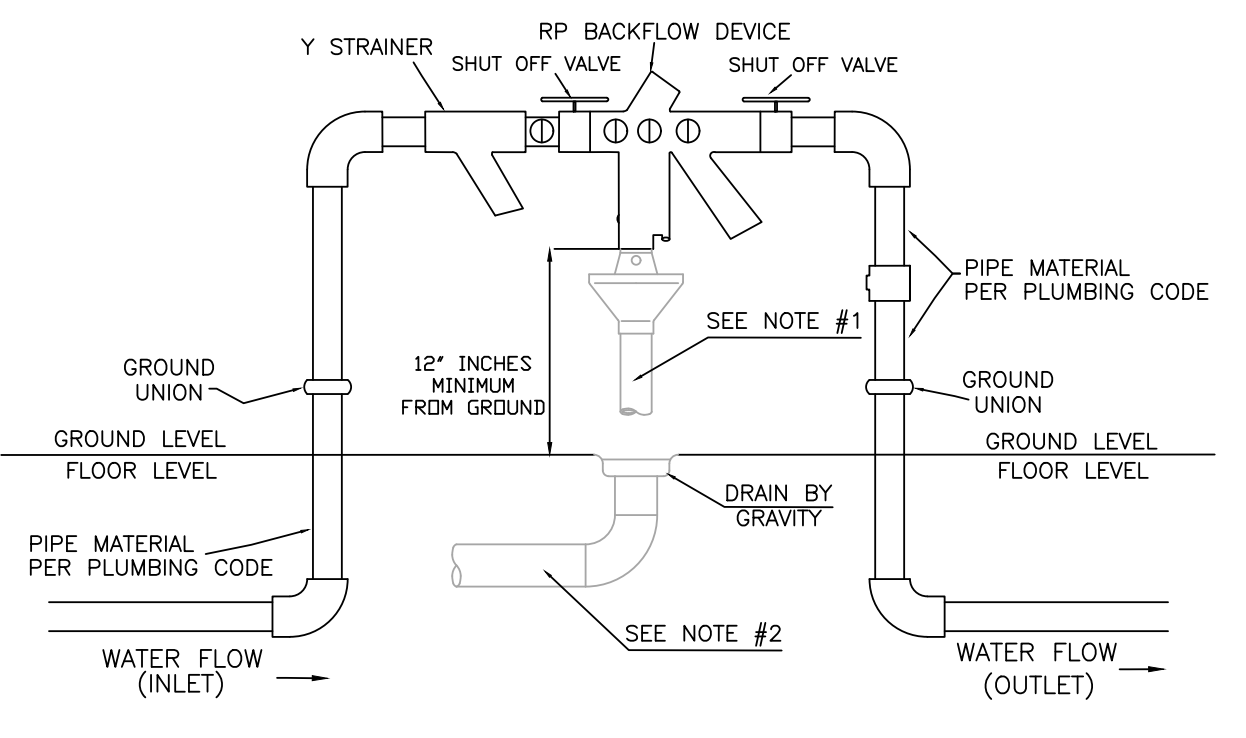
WATER DETAIL: W14

REDUCED PRESSURE (RP) IRRIGATION ONLY



WATER DETAIL: W15

REDUCED PRESSURE (RP) IRRIGATION ONLY



- INDOOR APPLICATION ONLY NOTES:
1. AN AIR GAP DRAIN IS REQUIRED TO REDUCE SPLASHING OF MINOR DISCHARGES FROM THE RELIEF VALVE DRAIN PORT.
 2. INDOOR INSTALLATION OF RP'S SHOULD PROVIDE FOR DRAINAGE CAPABLE OF HANDLING IN EXCESS OF THE MAXIMUM DISCHARGE RATE EXPECTED BY THE BACKFLOW ASSEMBLY MANUFACTURER.

WATER DETAIL: W16



3200 SW MUNICIPAL DR.
Bentonville, AR 72712
Ph: (479) 271-3140
www.bentonvillear.com

WATER DETAILS



Know what's below.
Call before you dig.

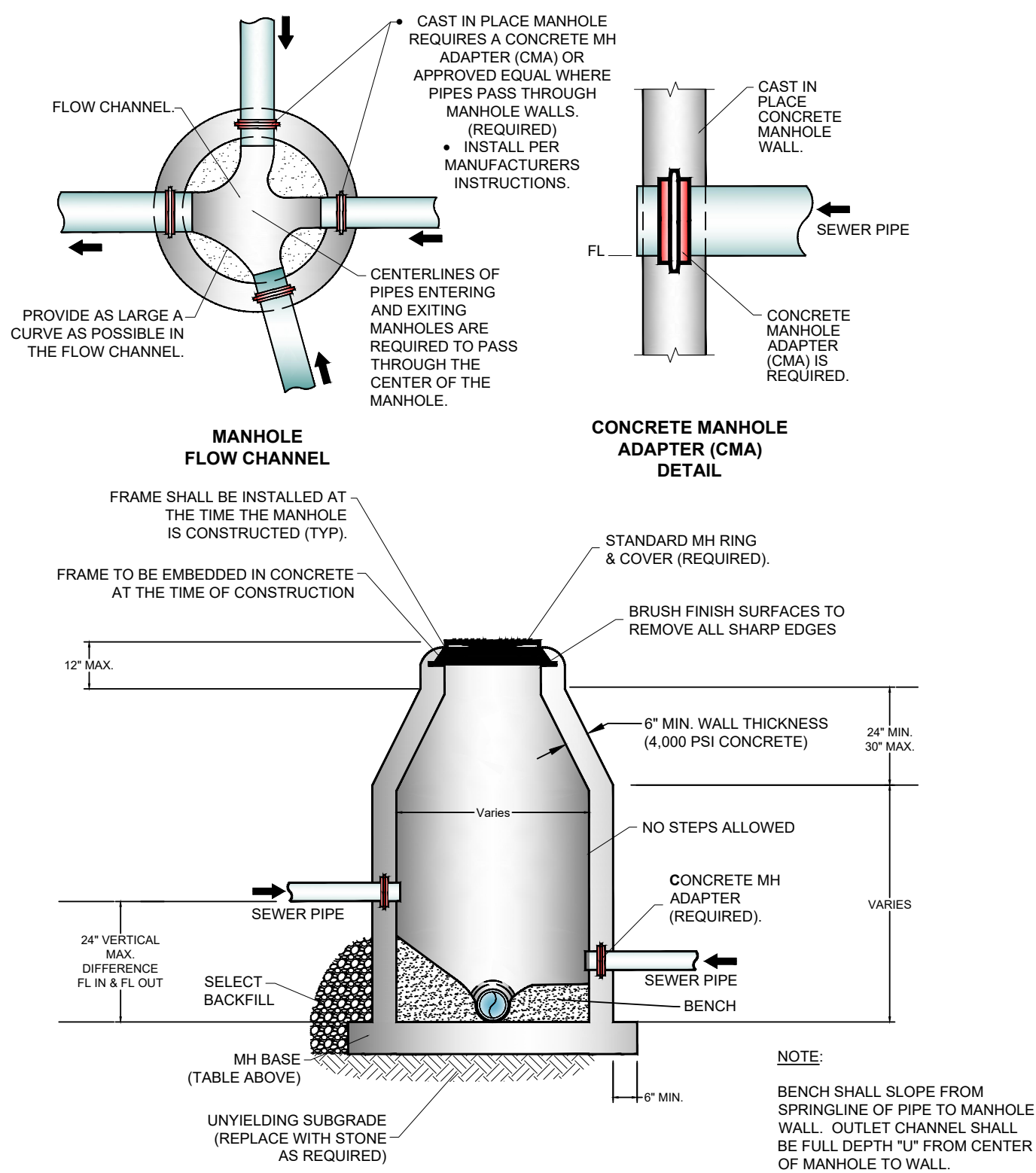
REVISIONS:
Adopted by City Council 06/22/2021
Ordinance Number: 2021-135

Approved by Dept. of Health
04/01/2021

NOTES:

DRAWN BY: JI DATE: 03/16/2021
APPROVED BY: PN DATE: 03/16/2021
SHEET NUMBER: 2 OF 2

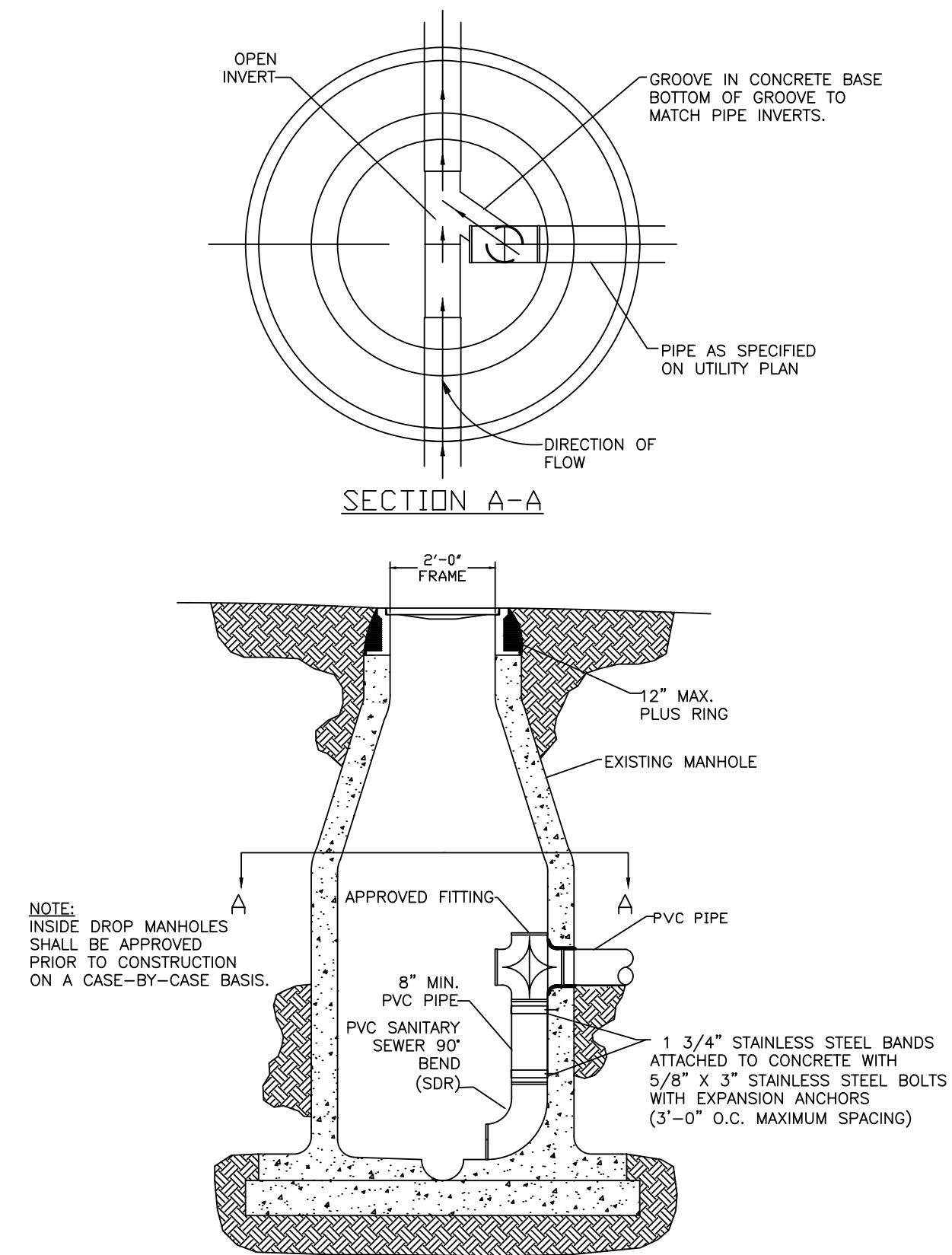
SANITARY SEWER CAST IN PLACE MANHOLE



Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	6"	8"	24" (< or Equal to 24" Pipes)
5' DIA	8"	10"	30"
6' DIA	8"	12"	36" (> 24" Pipes)

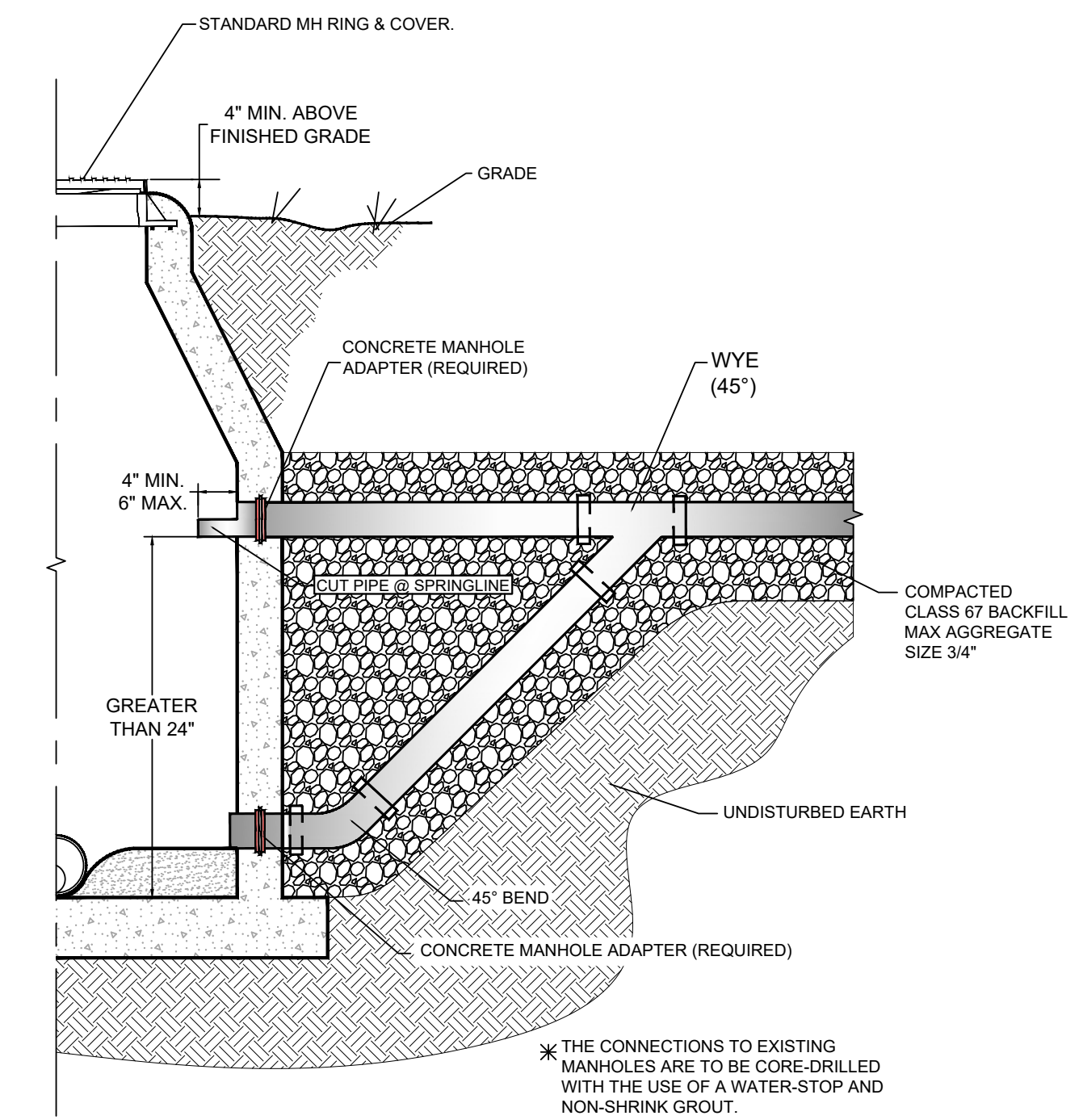
MANHOLE INFORMATION TABLE
SANITARY SEWER DETAIL: SS01

SANITARY SEWER INTERIOR DROP MANHOLE



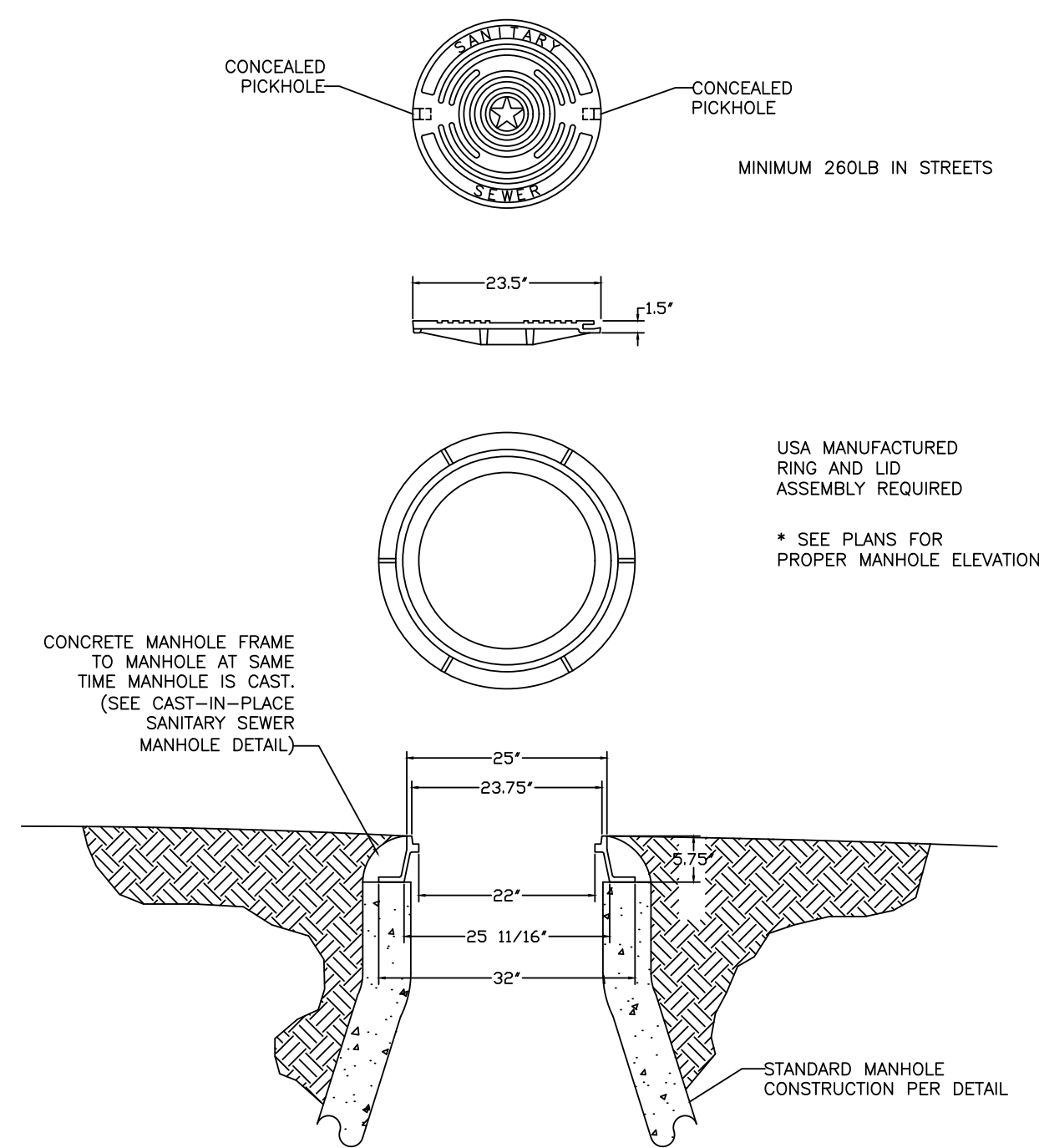
SANITARY SEWER DETAIL: SS02

SANITARY SEWER EXTERIOR DROP MANHOLE



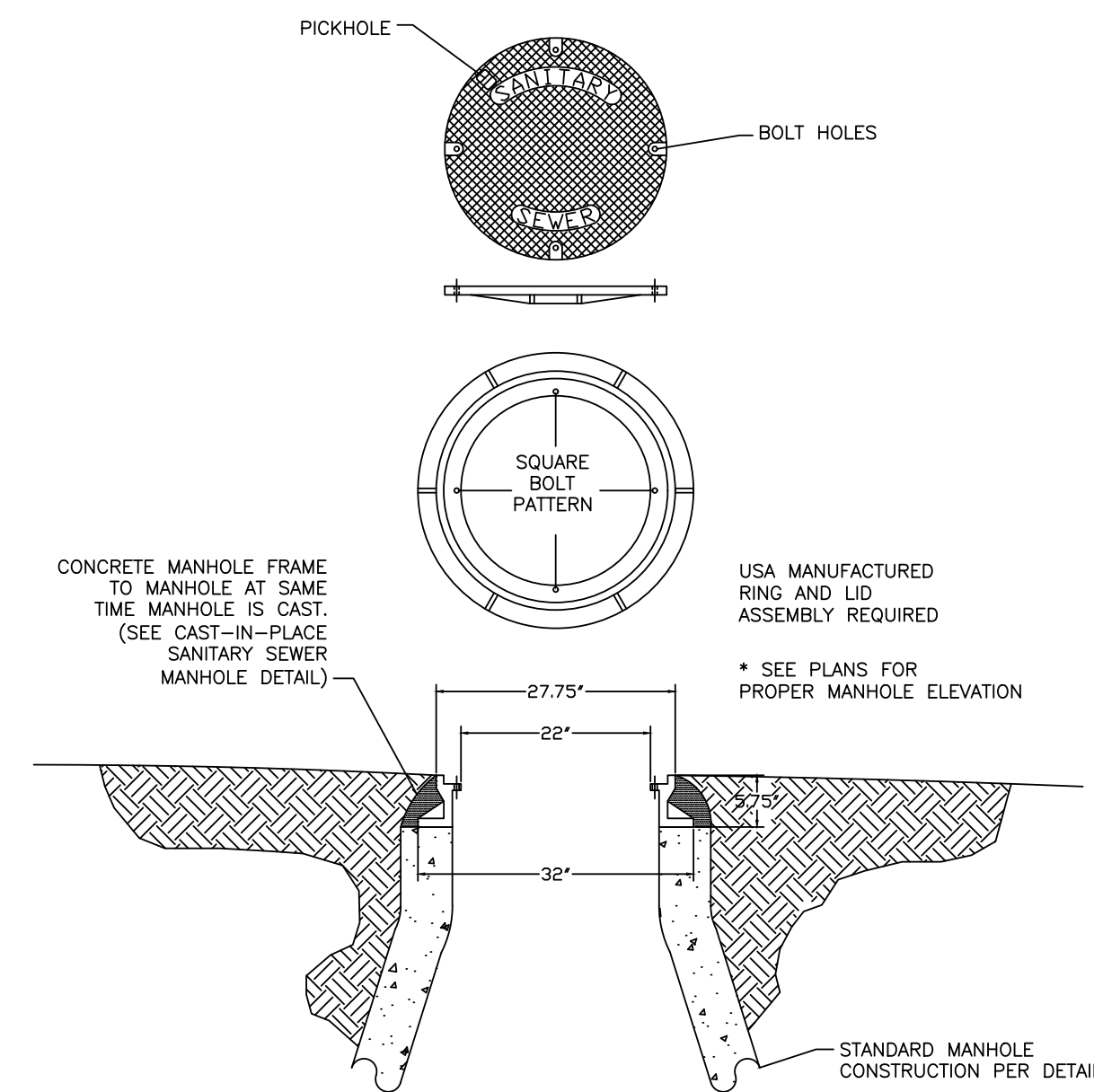
SANITARY SEWER DETAIL: SS03

HEAVY DUTY MANHOLE LID & FRAME



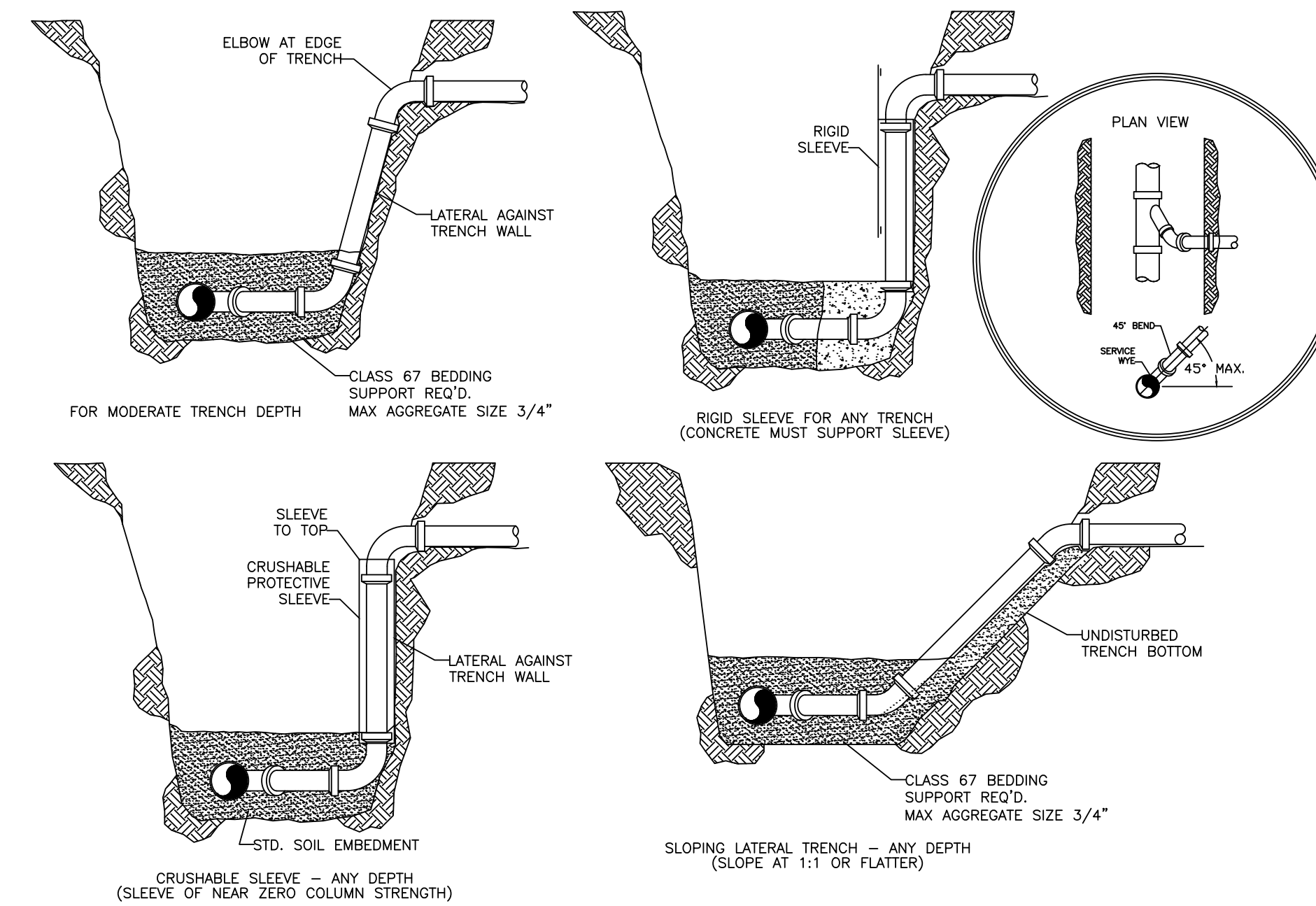
SANITARY SEWER DETAIL: SS04

WATER TIGHT BOLTED MANHOLE LID & FRAME



SANITARY SEWER DETAIL: SS05

SANITARY SEWER SERVICE WYE



SANITARY SEWER DETAIL: SS06



3200 SW MUNICIPAL DR.
Bentonville, AR 72712
Ph: (479) 271-3140
www.bentonvillear.com

SAN. SEWER DETAILS



Know what's below.
Call before you dig.

REVISIONS:
Adopted by City Council 06/22/2021
Ordinance Number: 2021-135

Approved by Dept. of Health
04/01/2021

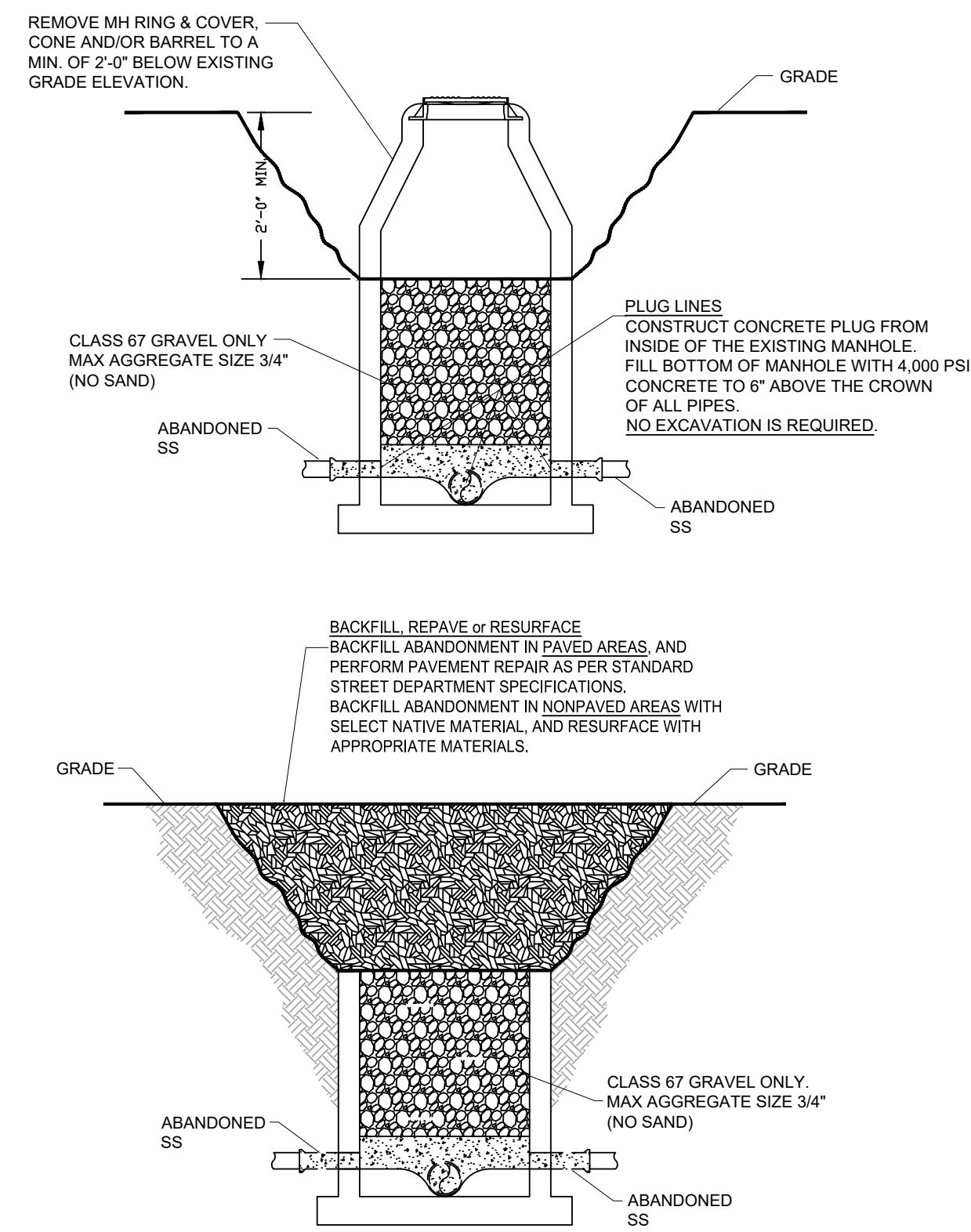
NOTES:

DRAWN BY: JI DATE: 03/16/2021

APPROVED BY: PN DATE: 03/16/2021

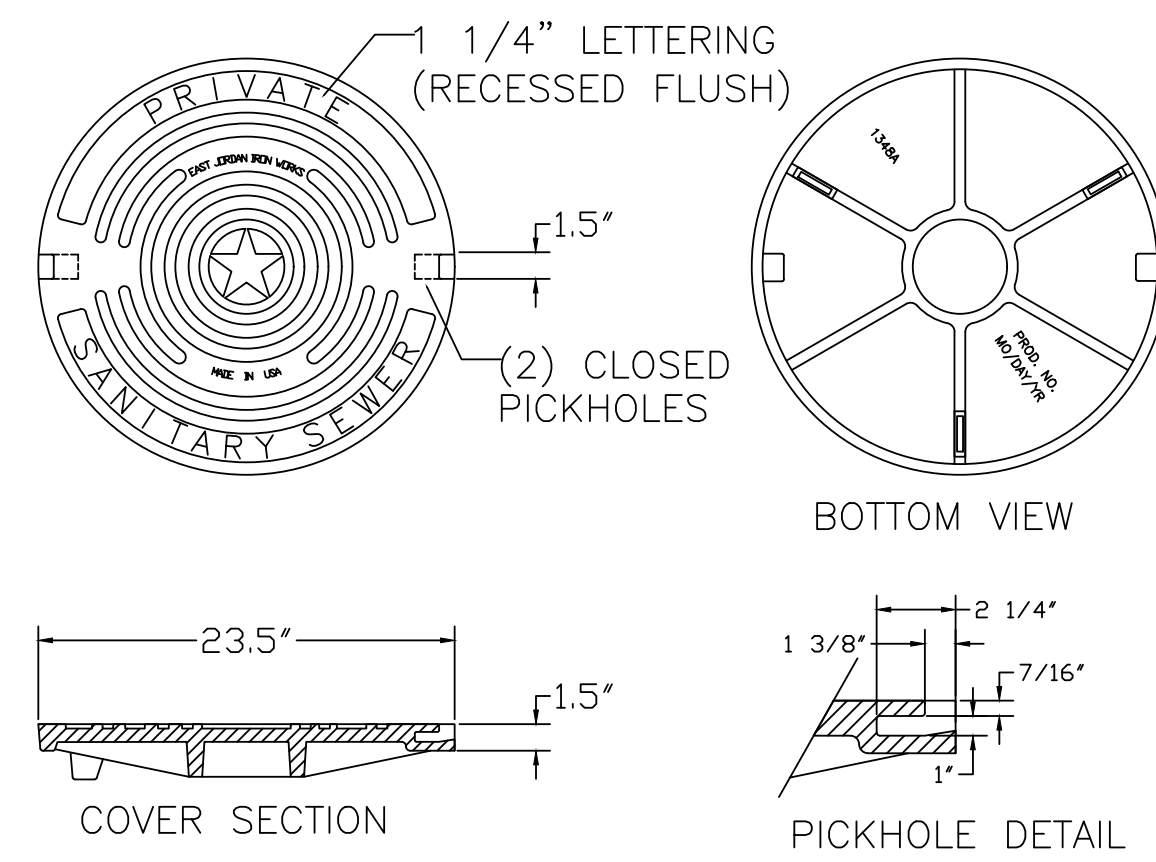
SHEET NUMBER: 1 OF 2

SANITARY SEWER MANHOLE ABANDONMENT



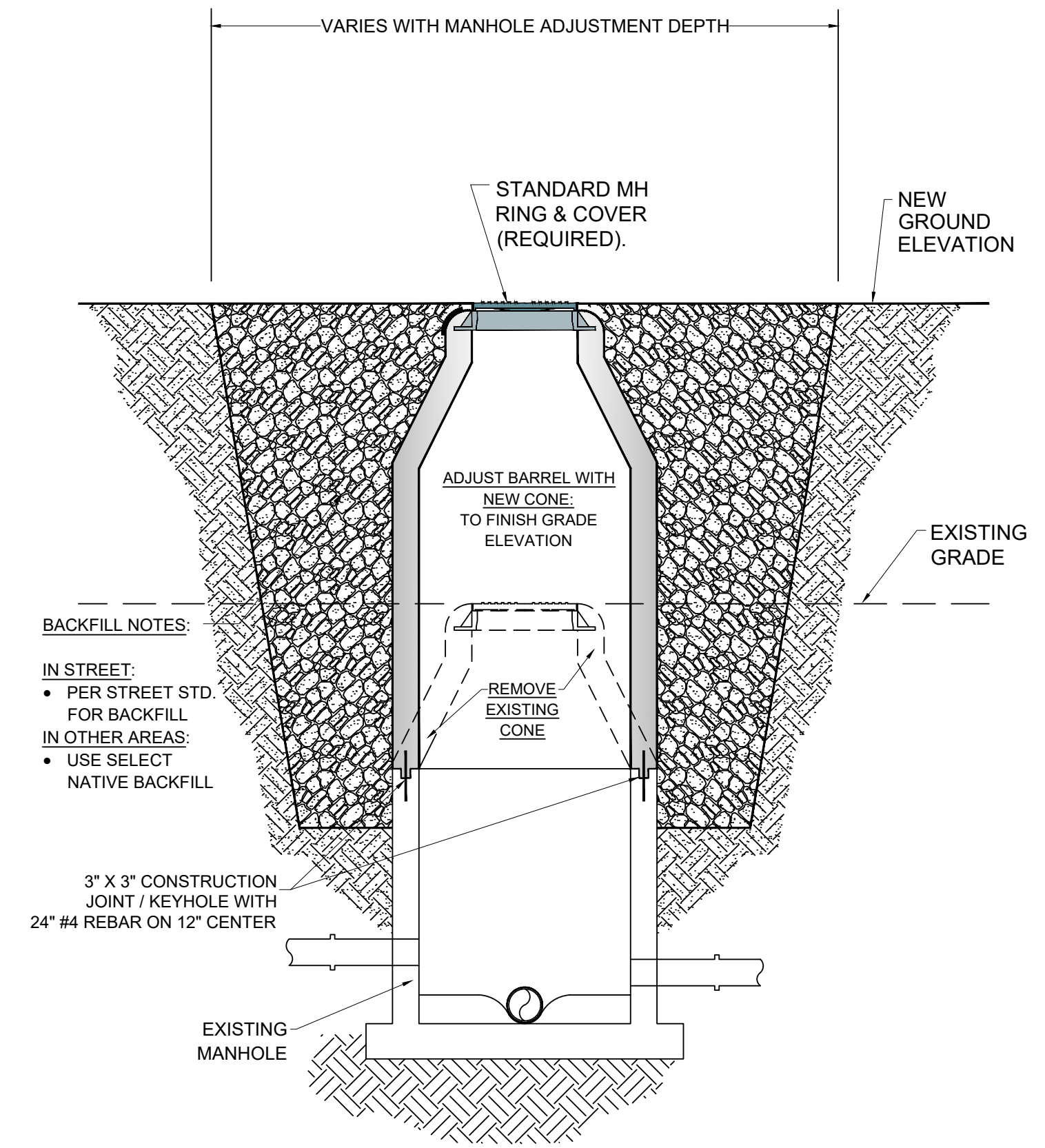
SANITARY SEWER DETAILS: SS07

PRIVATE MANHOLE RING AND LID

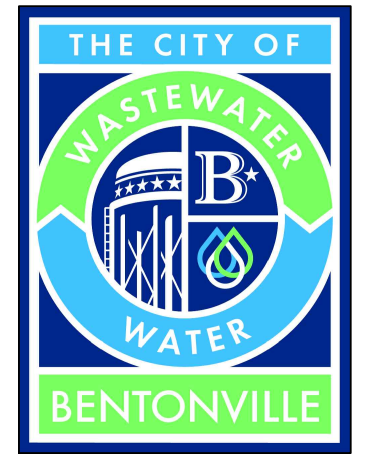


SANITARY SEWER DETAILS: SS08

TYPICAL MANHOLE ADJUST TO GRADE



SANITARY SEWER DETAILS: SS09



3200 SW MUNICIPAL DR.
Bentonville, AR 72712
Ph: (479) 271-3140
www.bentonvillear.com

SAN. SEWER DETAILS



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

REVISIONS:
Adopted by City Council 06/22/2021
Ordinance Number: 2021-135

Approved by Dept. of Health
04/01/2021

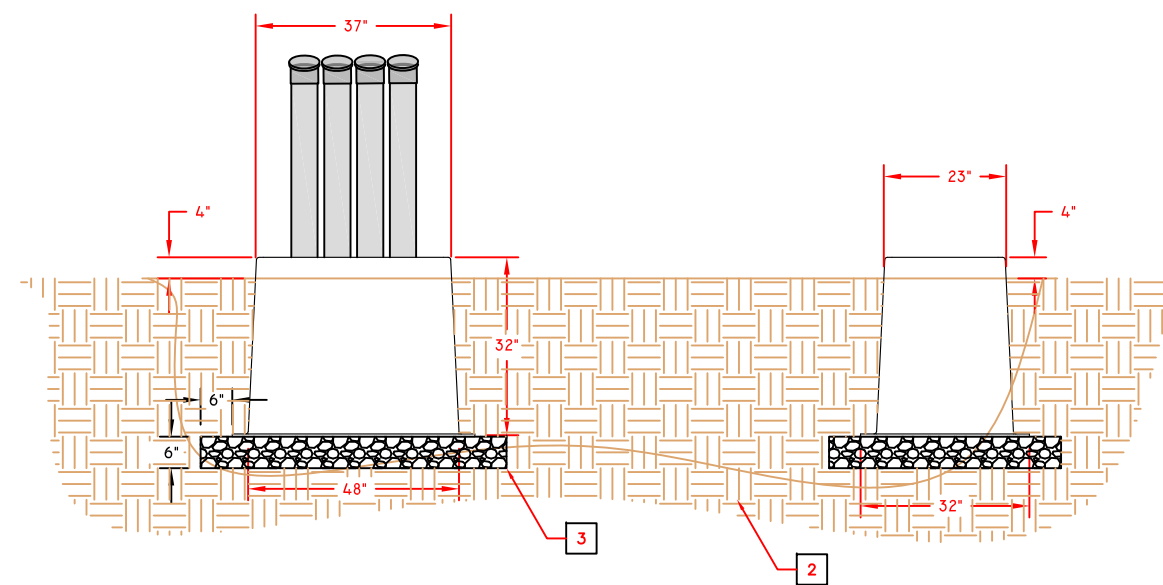
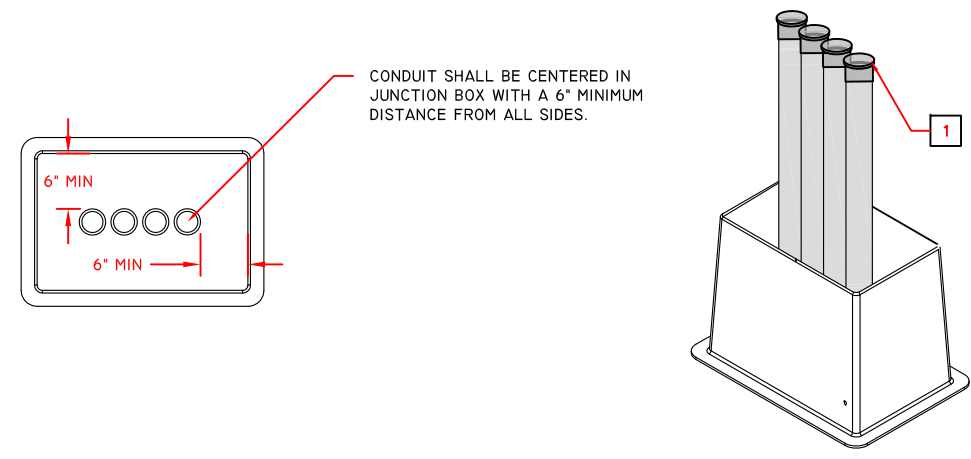
NOTES:

DRAWN BY: JI DATE: 03/16/2021

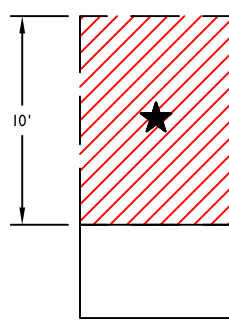
APPROVED BY: PN DATE: 03/16/2021

SHEET NUMBER: 2 OF 2

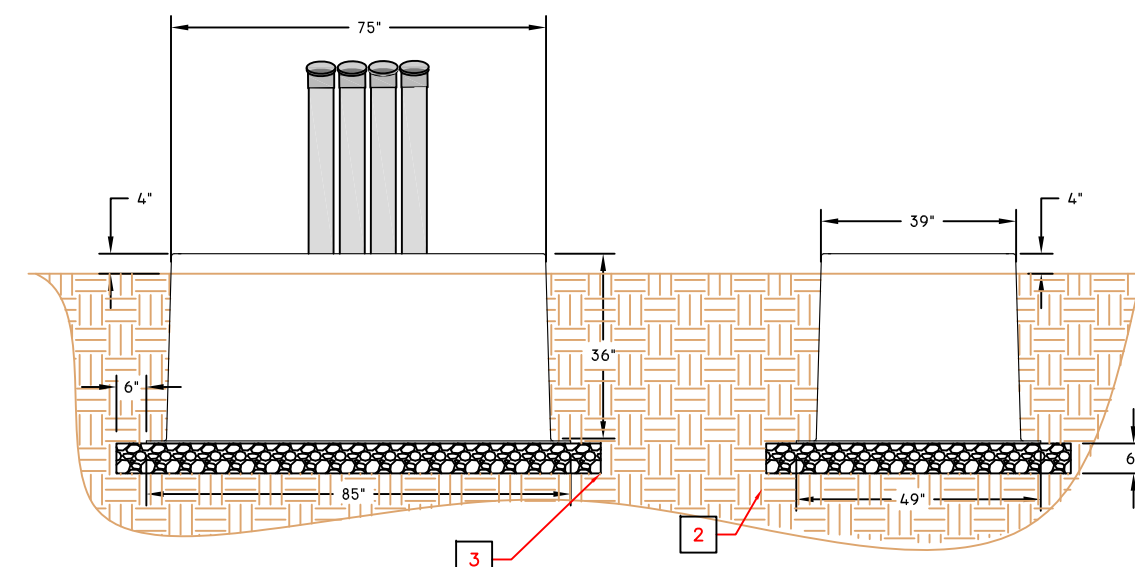
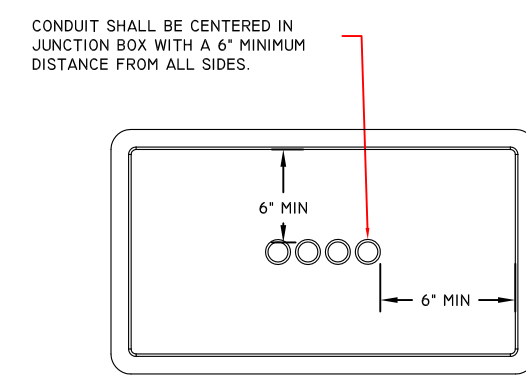
MAP SYMBOL



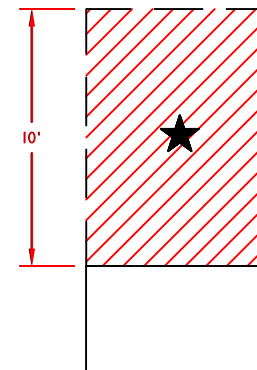
- NOTES:**
- CONDUITS SHALL BE STUBBED UP AND CAPPED 3" ABOVE TOP OF SLEEVE.
 - SOIL BELOW SLEEVE SHALL BE COMPACTED AND LEVEL.
 - 6" OF CLASS #7 GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE EARTH BOX, EXTENDING 6" BEYOND EDGE OF SLEEVE.
 - MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
 - 10' CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**



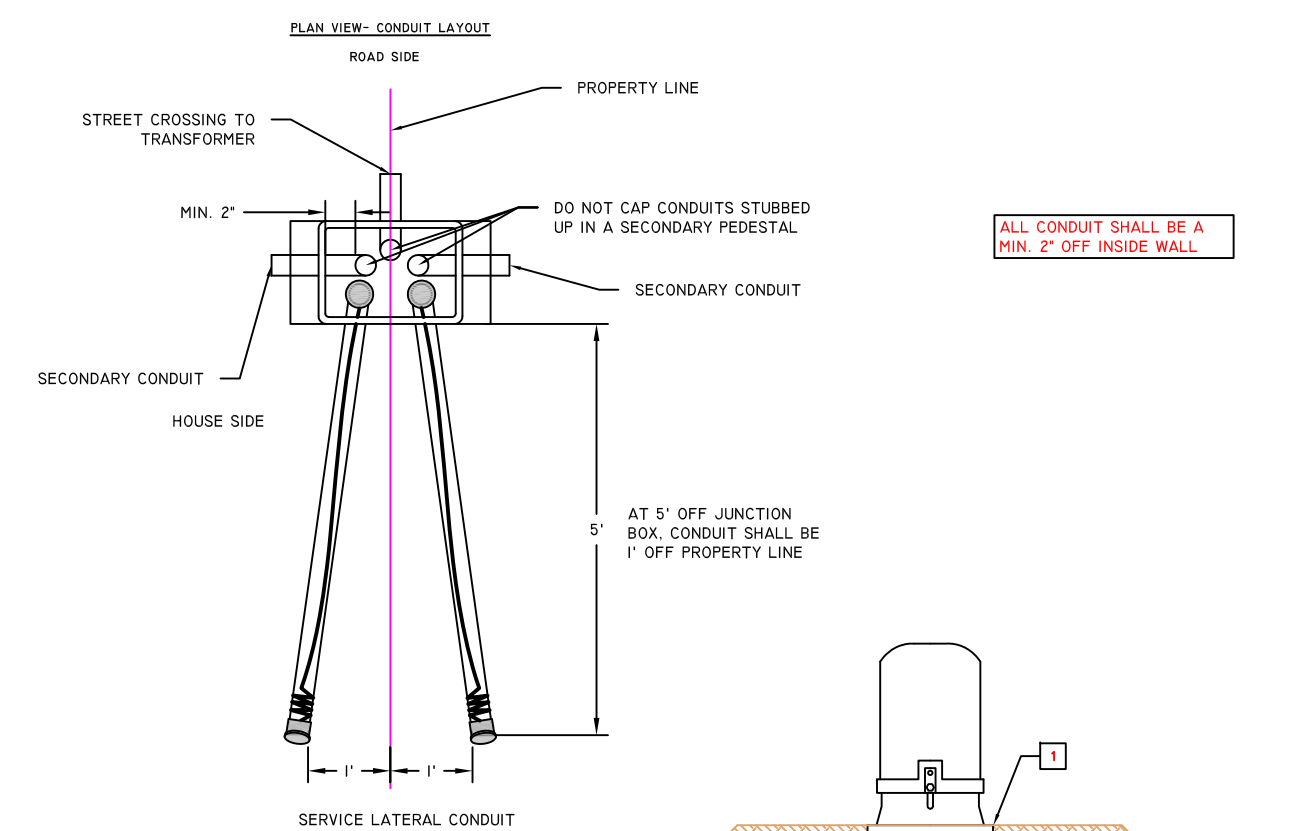
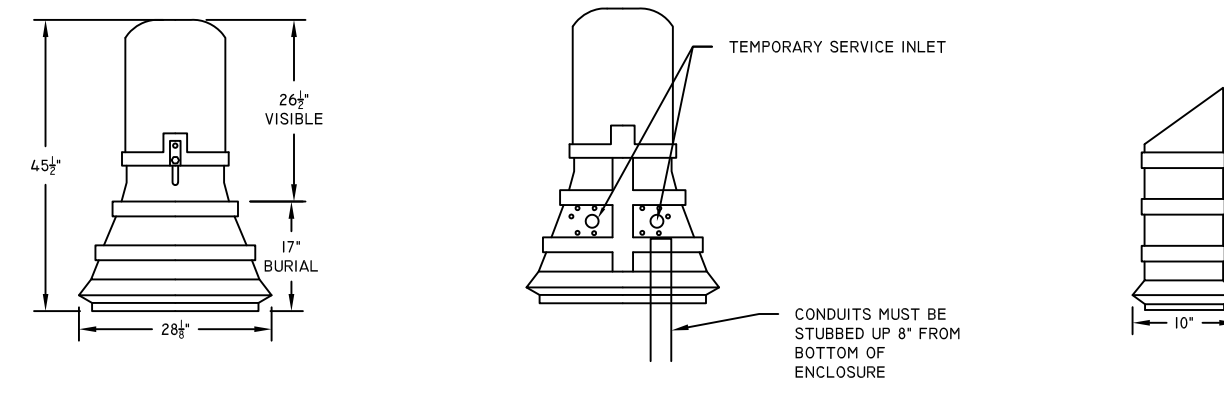
MAP SYMBOL



- NOTES:**
- CONDUITS SHALL BE STUBBED UP AND CAPPED 3" ABOVE TOP OF SLEEVE.
 - SOIL BELOW SLEEVE SHALL BE COMPACTED AND LEVEL.
 - 6" OF CLASS #7 GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE EARTH BOX, EXTENDING 6" BEYOND EDGE OF SLEEVE.
 - MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
 - 10' CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**



MAP SYMBOL



- NOTES:**
- EXCAVATE A 30" W X 24" H X 17" D PIT CENTERED IN A 5' X 5' CLEAR, LEVEL AREA. PEDESTAL SHALL NOT BE SITUATED IN A LOW AREA OR SWALE THAT WOULD CAUSE WATER TO COLLECT IN PIT.
 - CONTRACTOR TO USE ONLY SHORT SWEEP ELBOWS.
 - 6" OF CLASS #7 GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE EARTH BOX, EXTENDING 6" BEYOND EDGE OF SLEEVE.

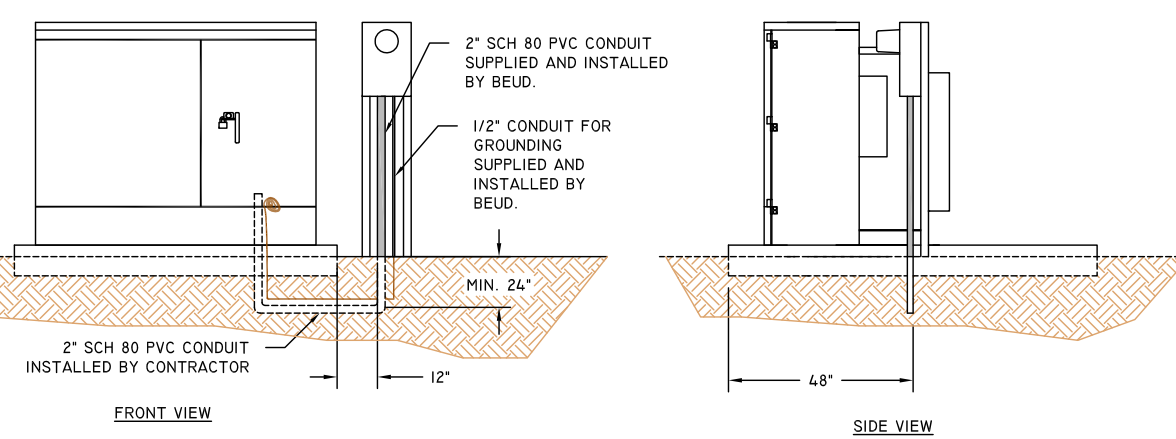
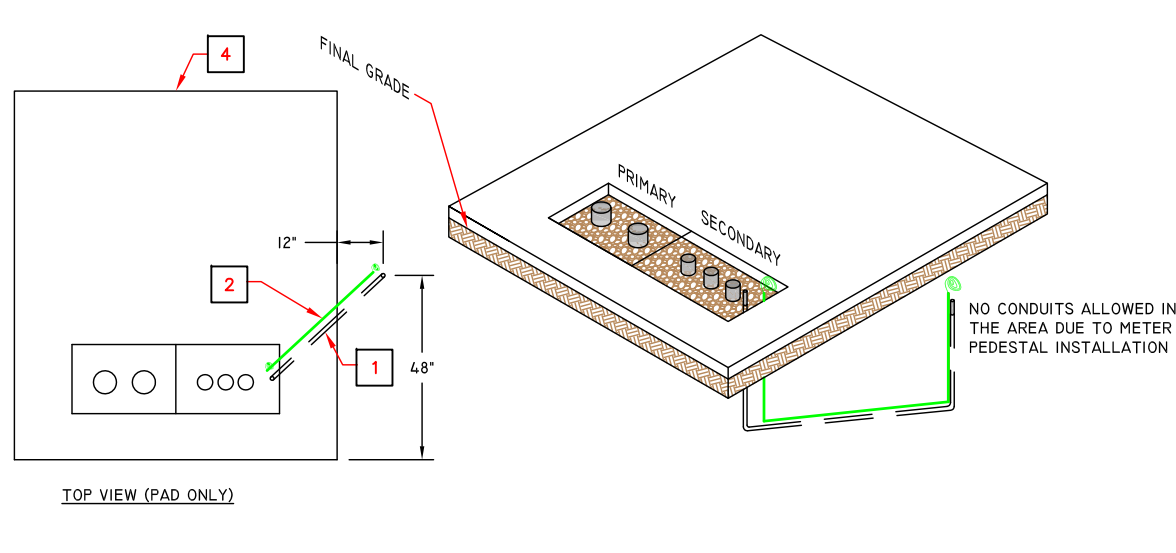
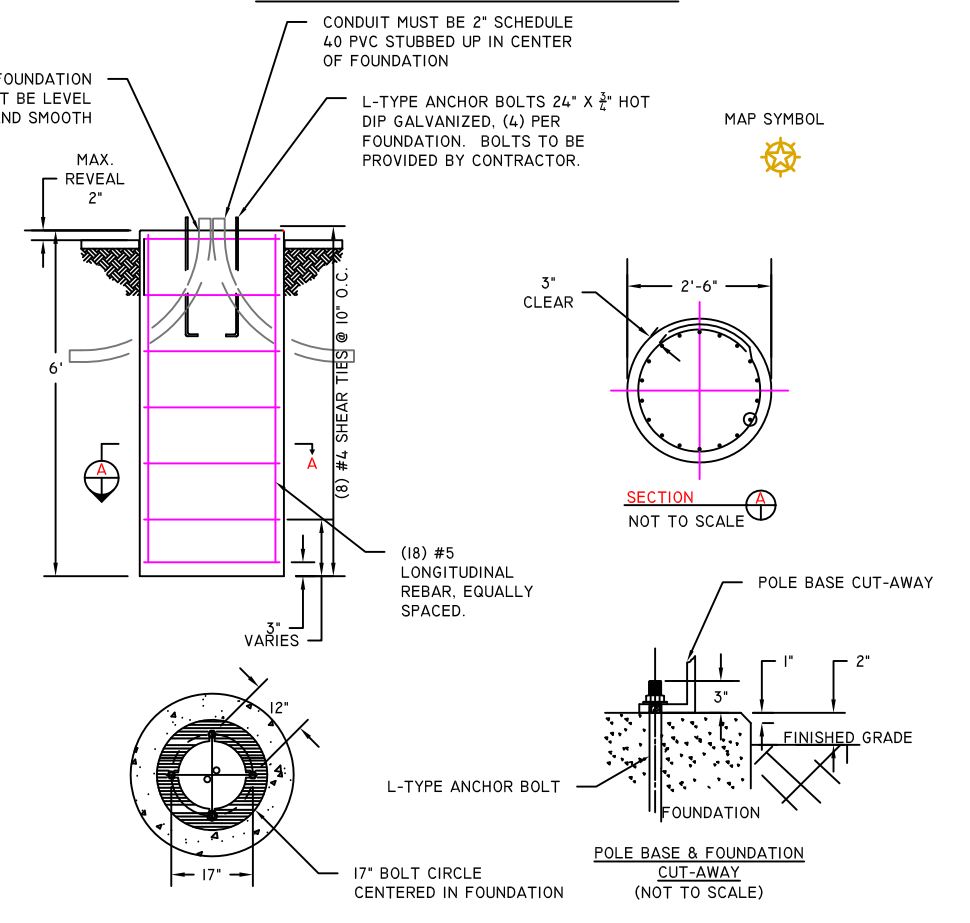
DS-1411 SINGLE PHASE PRIMARY JUNCTION BOX SLEEVE

DS-1412 THREE PHASE 200A PRIMARY JUNCTION BOX SLEEVE

DS-1414 SECONDARY JUNCTION BOX

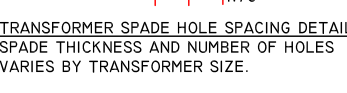
DS-1415 STREET LIGHT FOUNDATION FOR 12' RESIDENTIAL LIGHTS

DS-1416A - 22' COMMERCIAL LIGHTS

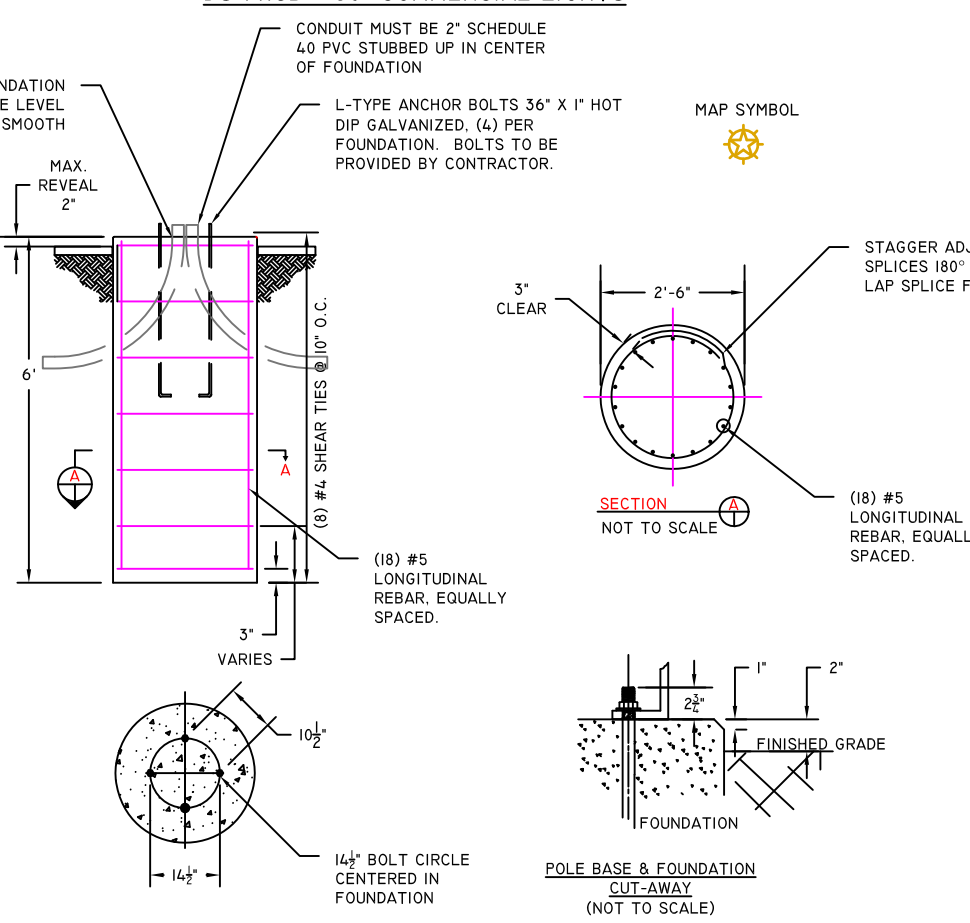


- 2" SCHEDULE 80 PVC CONDUIT FOR METERING TO BE INSTALLED BY CONTRACTOR. MUST BE STUBBED UP 12" FROM SIDE OF CONCRETE PAD AND 48" FROM FRONT EDGE OF CONCRETE PAD.
- #6 BARE SOLID COPPER FOR GROUNDING TO BE INSTALLED BY CONTRACTOR. MUST BE DIRECT BURIED OUTSIDE 2" SCH 80 PVC CONDUIT IN THE SAME DITCH WITH MIN. 6" LENGTH COILED AT EACH END.
- ELECTRICAL CONTRACTOR REQUIRED TO LAND SECONDARY CONDUCTORS IN TRANSFORMER WITH TWO HOLE TERMINAL LUGS USING (2) 1/2" SILICON BRONZE HEX BOLTS AND NUTS, (4) SILICON BRONZE FLAT WASHERS, (2) SILICON BRONZE LOCK WASHERS PER LUG. BOLT LENGTH AS REQUIRED.
- CONTRACTOR TO OBTAIN CORRECT MEASUREMENTS FOR CONCRETE PAD FROM CITY OF BENTONVILLE ELECTRIC UTILITIES DEPARTMENT.
- COORDINATE WITH BEUD IF CONCRETE WILL BE POURED ANYWHERE ADJACENT TO THE TRANSFORMER PAD.

TRANSFORMER SIZE (KVA)	USABLE POSITIONS	SPADE THICKNESS
45	5	0.38"
75	7	0.5"
150-1000	11	0.5"
1500-2000	13	0.5"
2500	13	0.75"



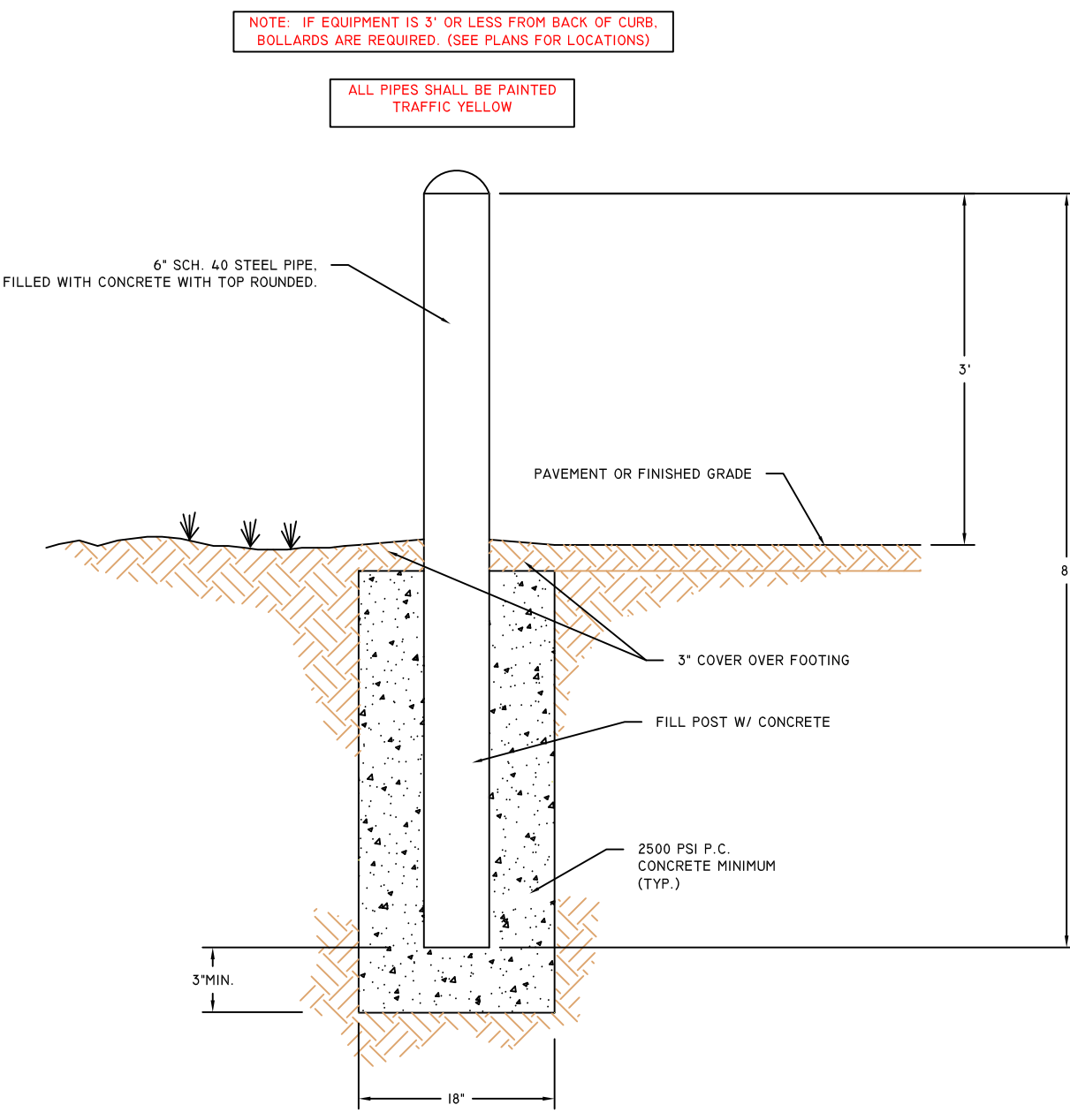
DS-1416B - 30' COMMERCIAL LIGHTS



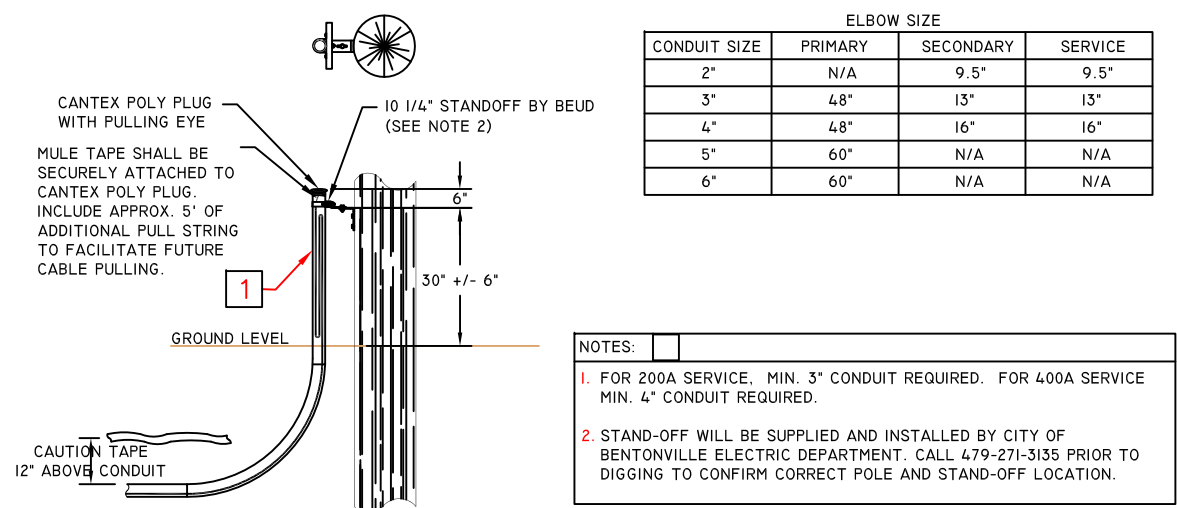
DS-1416 STREET LIGHT FOUNDATION FOR 22' AND 30' COMMERCIAL LIGHTS

DS-1417 TRANSFORMER PAD AND METER CONFIGURATION FOR CT'S ON SPADES

DS-1418 PIPE BOLLARD DETAIL



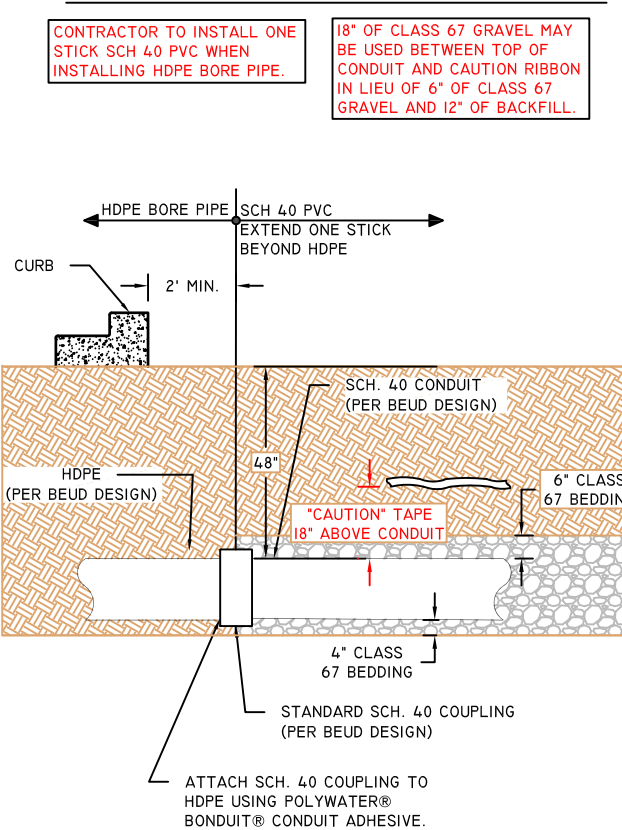
DS-1419A - CONDUIT STANDOFF



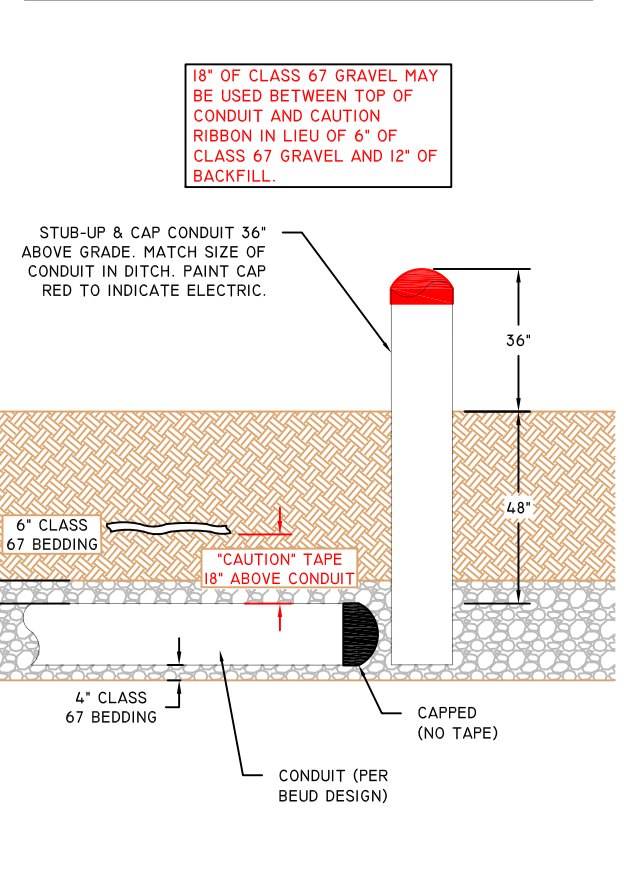
CONDUIT SIZE	ELBOW SIZE		
	PRIMARY	SECONDARY	SERVICE
2"	N/A	9.5"	9.5"
3"	4.8"	13"	13"
4"	4.8"	16"	16"
5"	6.0"	N/A	N/A
6"	6.0"	N/A	N/A

- NOTES:**
- FOR 200A SERVICE, MIN. 3" CONDUIT REQUIRED. FOR 400A SERVICE MIN. 4" CONDUIT REQUIRED.
 - STAND-OFF WILL BE SUPPLIED AND INSTALLED BY CITY OF BENTONVILLE ELECTRIC DEPARTMENT. CALL 479-271-3135 PRIOR TO DIGGING TO CONFIRM CORRECT POLE AND STAND-OFF LOCATION.

DS-1419B - HDPE BORE PIPE TO PVC SCHEDULE 40 CONDUIT



DS-1419C - CONDUIT STUB-UP



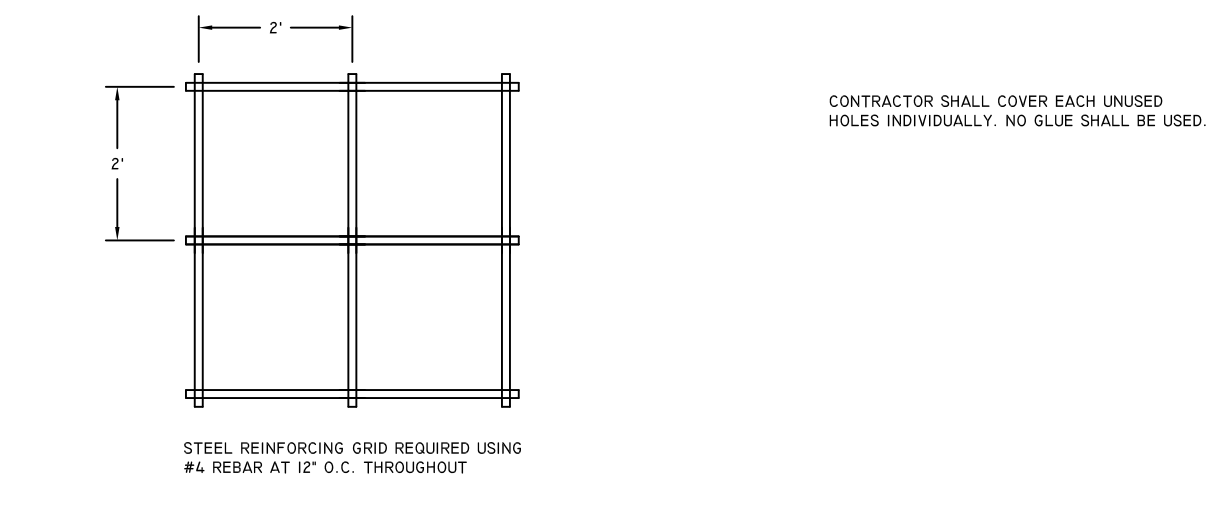
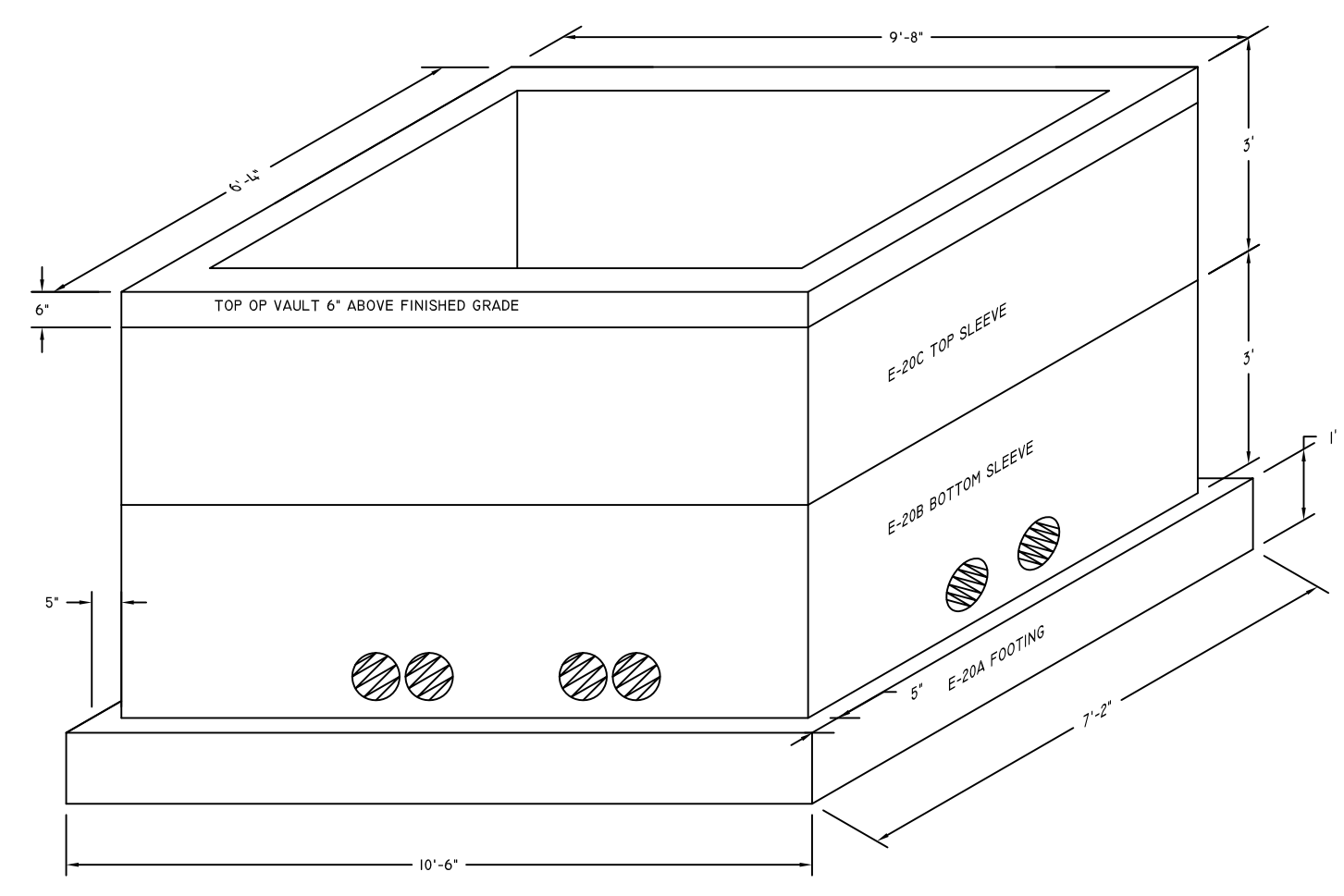
DS-1419 CONDUIT INSTALLATION DETAILS

REVISION	DATE	BY	DESCRIPTION
1	02/07/2018	BEUD	BEUD REVISION
2	02/07/2018	BEUD	BEUD REVISION
3	02/07/2018	BEUD	BEUD CLARIFICATIONS
4	02/20/19	BEUD	BEUD REVISION

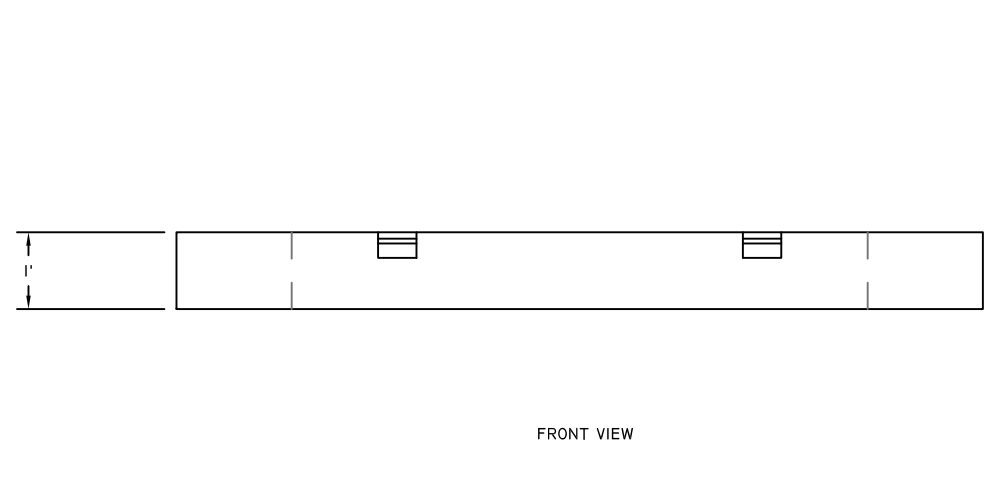
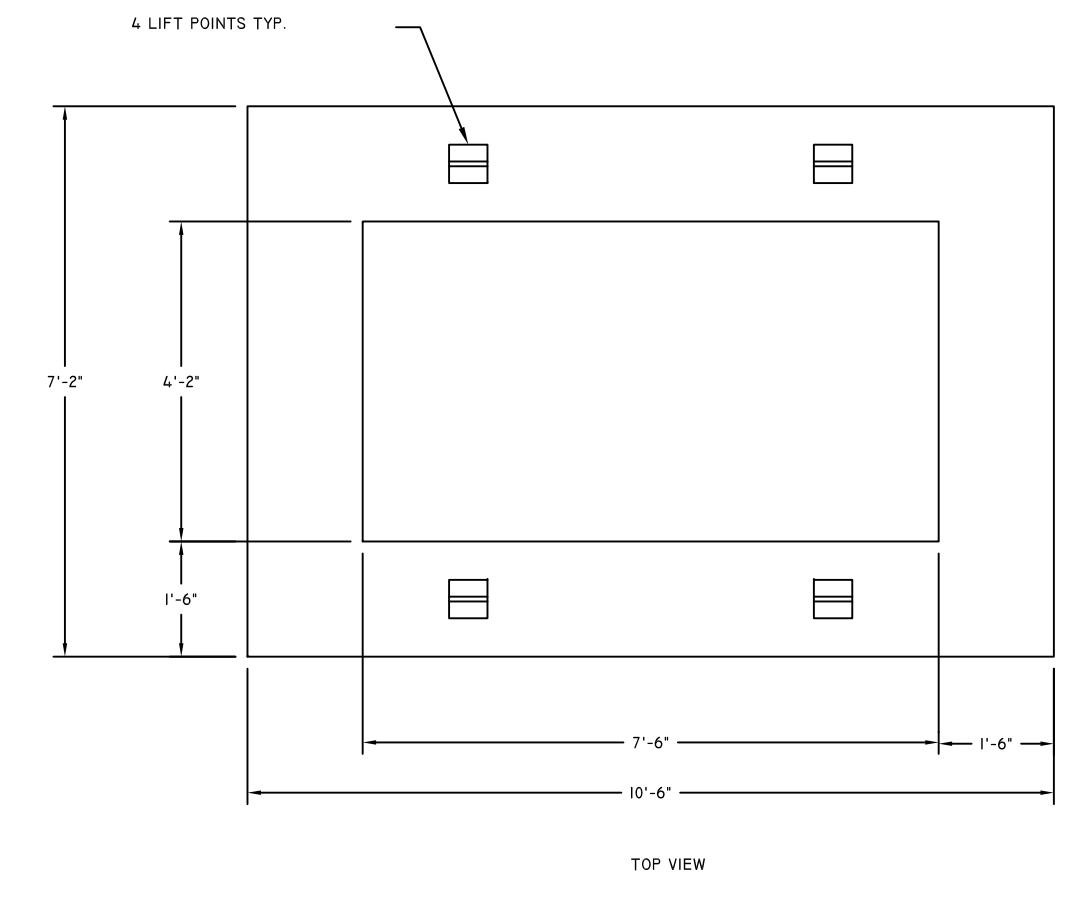


SCAN FOR LATEST REVISION OF BEUD SPECS
www.cityofbentonsville.com/BEUDspecs





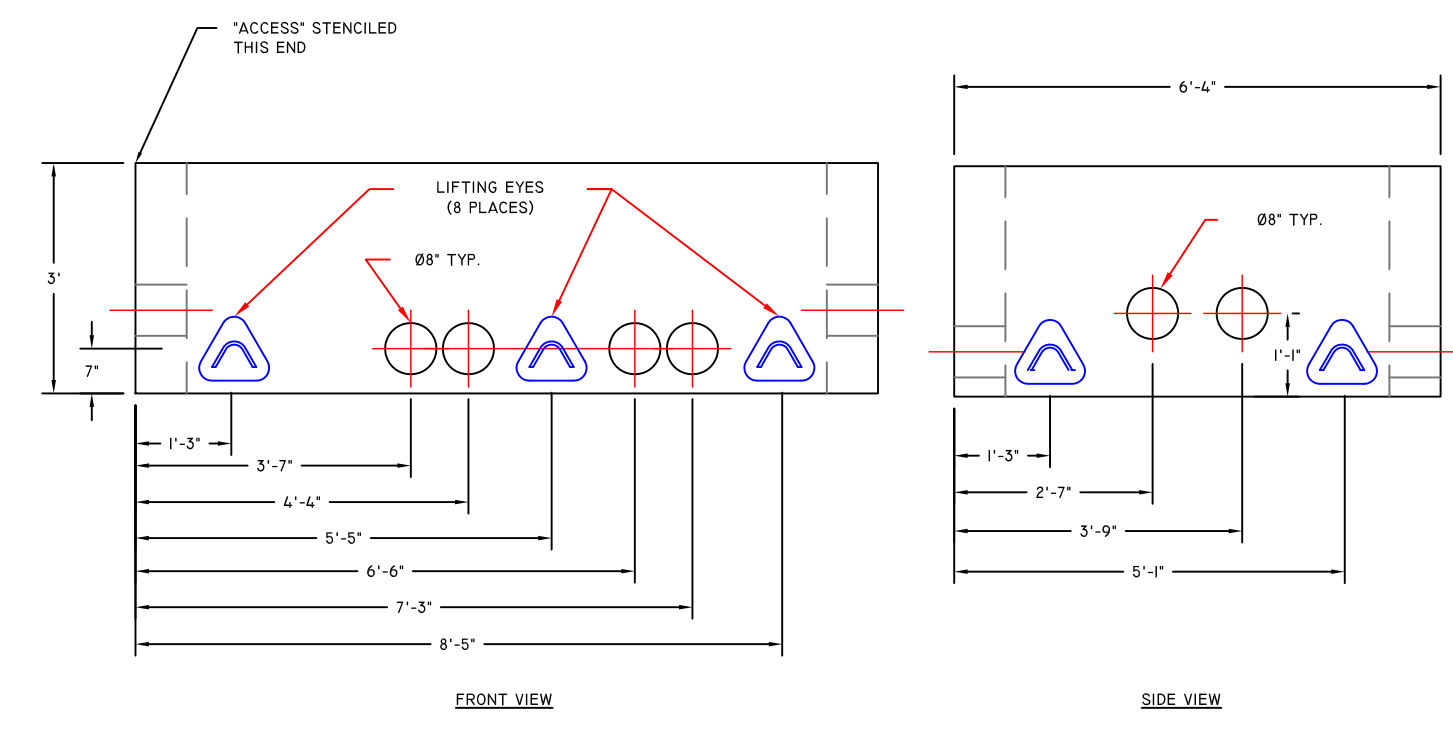
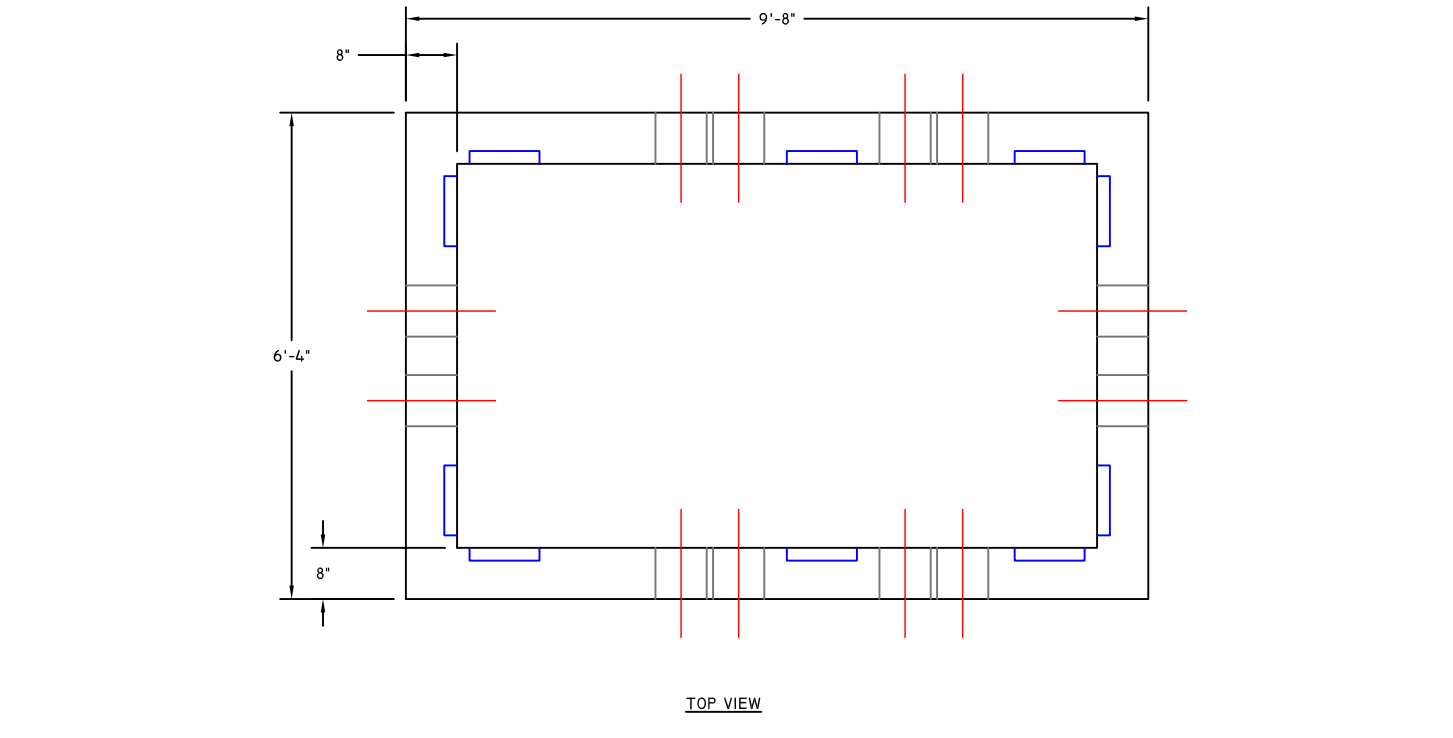
DS-I420 PADMOUNT SWITCHGEAR VAULT ASSEMBLY



NOTE: CLASS 67 STONE MUST NOT BE INSTALLED ANY HIGHER THAN 2" FROM TOP OF FOOTING.

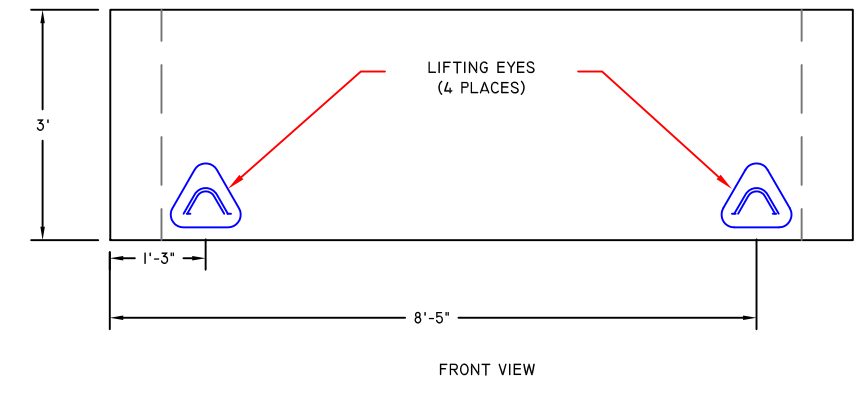
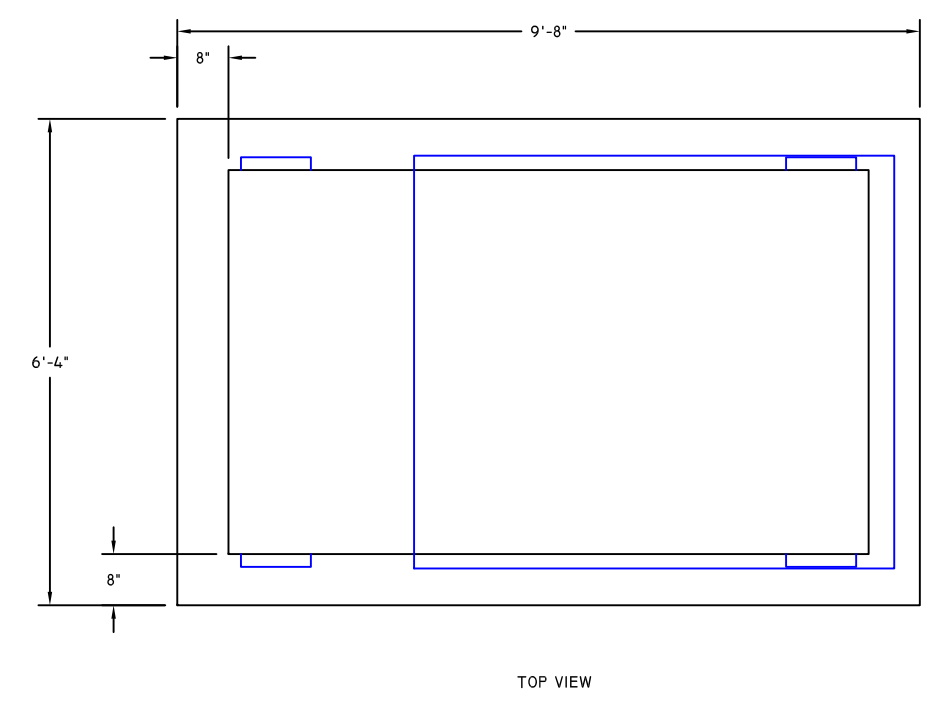
FOOTER WEIGHT: 3,200 LBS

DS-I420A PADMOUNT SWITCHGEAR VAULT FOOTER



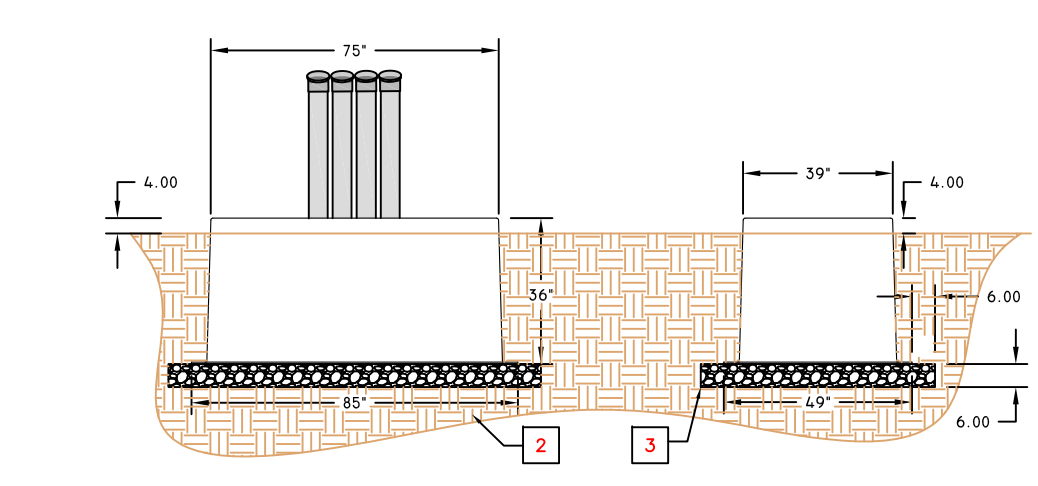
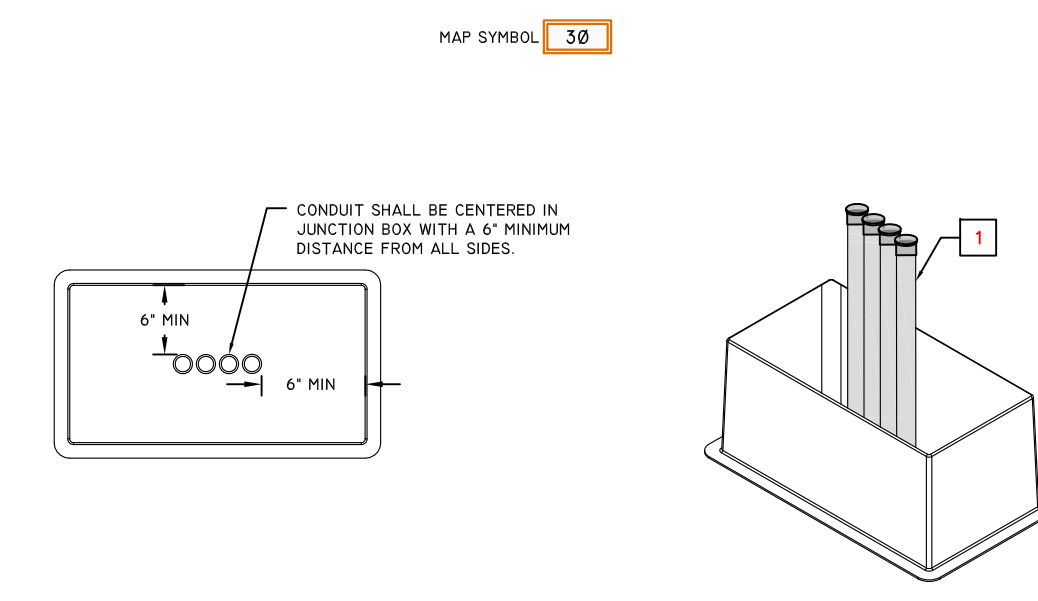
BOTTOM SLEEVE WEIGHT: 8,900 LBS

DS-I420B PADMOUNT SWITCHGEAR BOTTOM SLEEVE



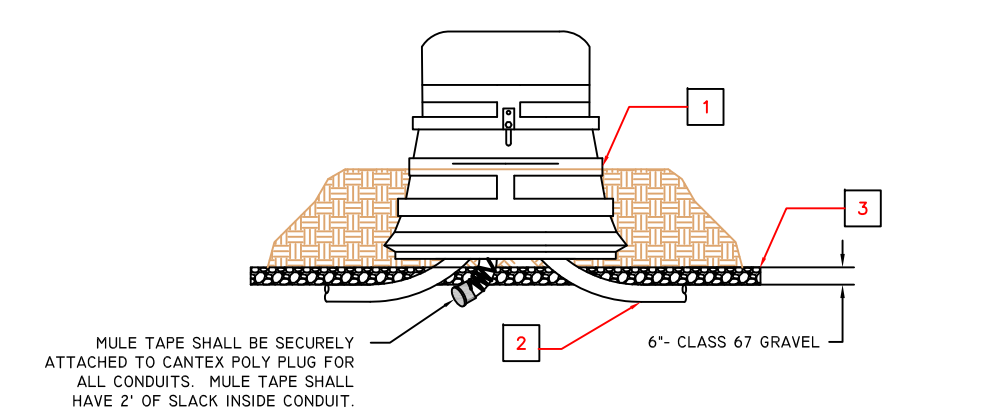
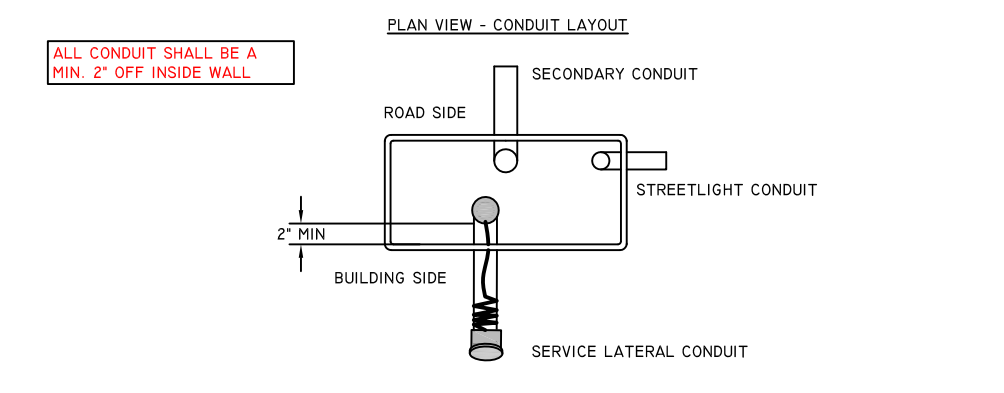
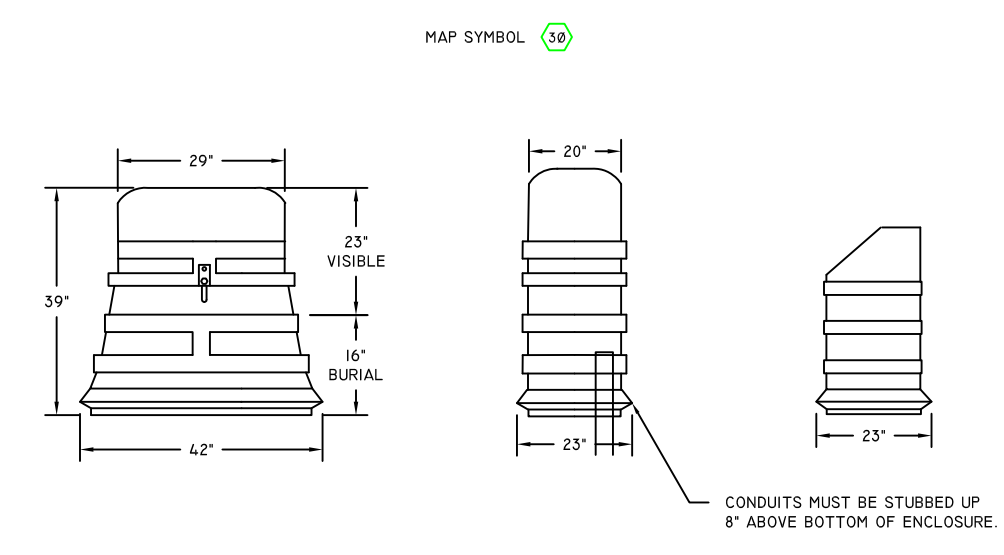
TOP SLEEVE WEIGHT: 9,200 LBS

DS-I420C PADMOUNT SWITCHGEAR TOP SLEEVE



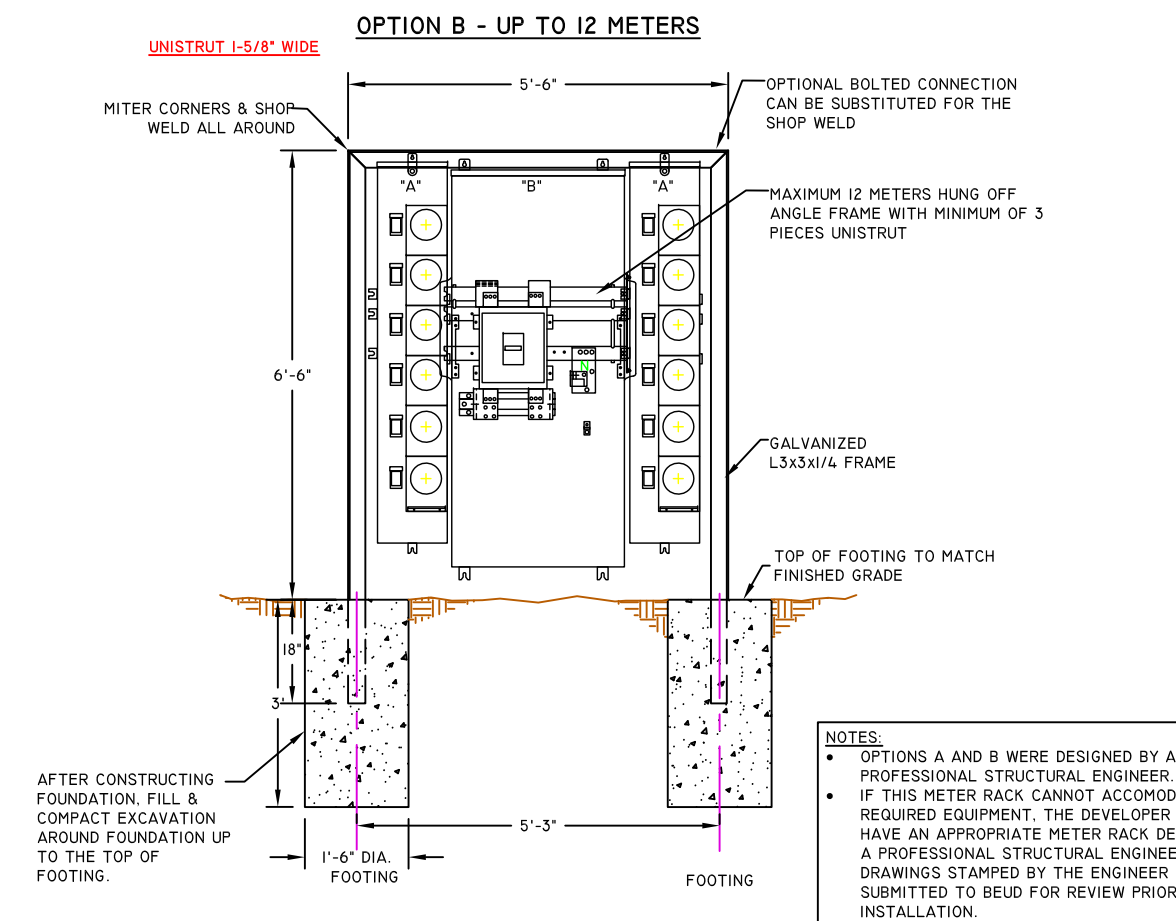
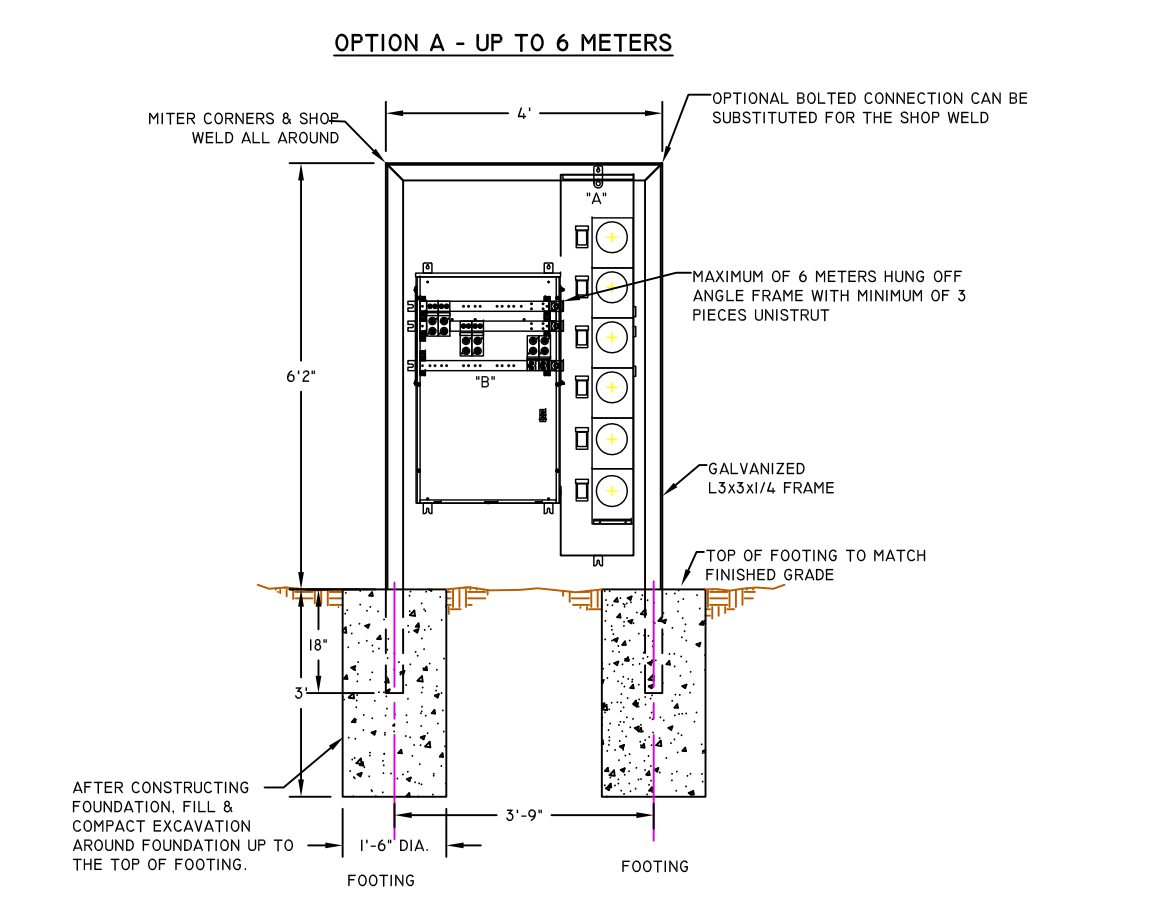
- NOTES:
- CONDUITS SHALL BE STUBBED UP AND CAPPED 3" TOP OF SLEEVE.
 - SOIL BELOW SLEEVE SHALL BE COMPACTED AND LEVEL.
 - 6" OF CLASS 67 GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE EARTH BOX, EXTENDING 6" BEYOND EDGE OF SLEEVE.
 - MARK GROUND ROD PLACEMENT IN BOTTOM OF SLEEVE WITH WOODEN STAKE TO MISS BURIED CONDUIT RUNS.
 - 10' CLEAR WORK AREA REQUIRED ON ACCESS SIDE OF CABINET. **NO OBSTRUCTIONS.**

DS-I413 THREE PHASE 600A PRIMARY JUNCTION BOX SLEEVE



- NOTES:
- EXCAVATE A 44" W X 44" H X 14" D PIT CENTERED IN A 7' X 7' CLEAR LEVEL AREA. PEDestal SHALL NOT BE SITUATED IN A LOW AREA OR SHALE THAT WOULD CAUSE WATER TO COLLECT IN PIT.
 - CONTRACTOR TO USE ONLY SHORT SWEEP ELBOWS.
 - 6" OF CLASS 67 GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE EARTH BOX, EXTENDING 6" BEYOND EDGE OF SLEEVE.

DS-I414-1 THREE PHASE SECONDARY JUNCTION BOX



- NOTES:
- OPTIONS A AND B WERE DESIGNED BY A PROFESSIONAL STRUCTURAL ENGINEER.
 - IF THIS METER RACK CANNOT ACCOMMODATE THE REQUIRED EQUIPMENT, THE DEVELOPER MUST HAVE AN APPROPRIATE METER RACK DESIGNED BY A PROFESSIONAL STRUCTURAL ENGINEER. DESIGN DRAWINGS STAMPED BY THE ENGINEER MUST BE SUBMITTED TO BEUD FOR REVIEW PRIOR TO INSTALLATION.
 - FOR BOTH OPTIONS, GROUNDING SHALL BE PER NEC TABLE 250.122.

DS-I024 SINGLE PHASE FREE STANDING METER RACK

REVISION	DATE	BY	DESCRIPTION
1	02/05/2014	BEUD	REVISION
2	02/05/2014	BEUD	REVISION
3	02/05/2014	BEUD	REVISION
4	02/05/2014	BEUD	REVISION



SCAN FOR LATEST REVISION OF BEUD SPECS
www.Bentville.com/BEUDspecs

