

# BRAND NEW CHURCH FARMINGTON, ARKANSAS

## LARGE SCALE DEVELOPMENT PLANS

### GENERAL NOTES TO CONTRACTOR

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
- EXISTING GRADE CONTOURS ARE AT ONE FOOT INTERVALS.
- PROPOSED CONTOURS ARE AT FINISH GRADE AND ARE AT ONE FOOT INTERVALS.
- PROPOSED SPOT ELEVATIONS ARE TOP OF FINISH CURB UNLESS OTHERWISE INDICATED OR SHOWN.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN.
- CONTRACTOR TO INSTALL MUD ABATEMENT ENTRANCES ANYWHERE PROPOSED STREETS ENTER EXISTING PUBLIC STREETS. ENTRANCE TO BE CONSTRUCTED A MIN. OF 50' IN LENGTH BY WIDTH OF PROPOSED STREET AND TO A DEPTH OF 8 INCHES.
- CONTRACTOR TO INSTALL EROSION CONTROL FENCING PRIOR TO BEGINNING ANY CONSTRUCTION. FENCING SHALL BE MAINTAINED & REPAIRED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- CONTRACTOR SHALL ADJUST AND/OR NEATLY CUT EXISTING PAVEMENT TO ASSURE A SMOOTH FIT AND TRANSITION.
- ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 PSI.
- DAMAGE DURING CONSTRUCTION TO ANY EXISTING STRUCTURES TO REMAIN SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE.
- ALL MATERIALS AND CONSTRUCTION NOT UNDER THE JURISDICTION OF THE CITY OF FAYETTEVILLE OR WASHINGTON WATER AUTHORITY SHALL COMPLY WITH THE CITY OF FARMINGTON'S REQUIREMENTS. IN THE CASE OF CONFLICTS, THE CITY'S CRITERIA SHALL GOVERN.
- ALL SIDEWALKS AND HANDICAP RAMPS SHALL BE BUILT TO THE CURRENT STANDARDS OF THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
- THE CITY OF FAYETTEVILLE WILL BE REVIEWING THIS PROJECT FOR WATER AND SEWER SERVICE AS IT IS LOCATED WITHIN THE JURISDICTION OF THE CITY OF FAYETTEVILLE PER OUR RECORDS.
- SANITARY SEWER SYSTEM MUST BE INSTALLED, INSPECTED, TESTED, AND CERTIFIED PER ALL CITY OF FAYETTEVILLE STANDARD SPECIFICATIONS FOR INSTALLATION OF SEWER LINES.
- NO WORK ON THE SEWER-LINES SHOULD TAKE PLACE UNTIL PLANS ARE APPROVED, MATERIAL SUBMITTALS ARE REVIEWED AND APPROVED, AND A PRECONSTRUCTION CONFERENCE HAS OCCURRED AT THE CITY OF FAYETTEVILLE.
- THIS PROJECT MUST MEET OR EXCEED THE CITY OF FAYETTEVILLE, ARKANSAS STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER LINES AND SEWER LINES, 2017 EDITION.

REVIEW OF THESE PLANS IS LIMITED TO GENERAL COMPLIANCE WITH CITY CODES AND REGULATIONS AND DOES NOT WARRANT THE ENGINEER'S DESIGN OR RELIEVE THE DEVELOPER OF ANY REQUIREMENTS, EVEN IF ERRORS, OMISSIONS, OR ANY INADEQUACIES ARE DISCOVERED AFTER PLAN APPROVAL. THE CITY'S REQUIREMENTS SHALL GOVERN OVER ANY CONFLICTS WITH THE PLANS OR SPECIFICATIONS. ANY CONDITIONS DETERMINED IN THE FIELD WHICH REQUIRE CHANGES SHALL BE SUBJECT TO FURTHER REVIEW AND CORRECTIVE ACTION.

THERE ARE NO EXISTING WETLANDS ON THIS SITE.

**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 WASHINGTON COUNTY, ARKANSAS. (FIRM PANEL #05143C0195F. DATED 05/16/2008)

### OWNERSHIP OF DOCUMENTS

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF BATES + ASSOCIATES, INC., AND IS NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF BATES + ASSOCIATES, INC.

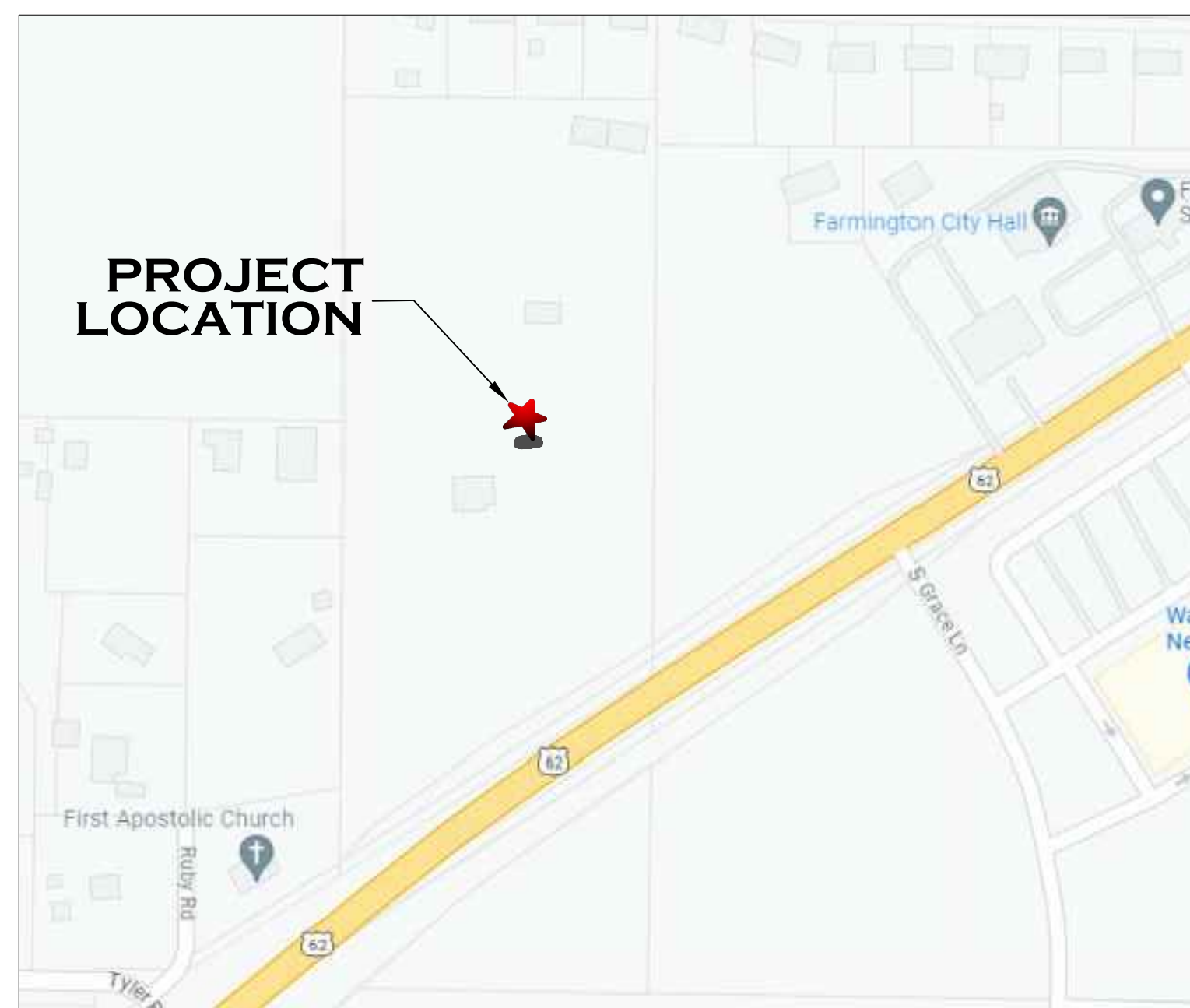
### SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN OR NEAR THE CONSTRUCTION SITE.

### ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE DRAWINGS AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE INITIATION OF THE ACTUAL PORTION OF THEIR WORK.



**BASIS OF OBSERVATION:**  
GPS OBSERVATION - AR NORTH ZONE

**VICINITY MAP**  
N.T.S.



**BASIS OF ELEVATION:**  
BATES JOB 19-316

### SURVEY DESCRIPTION:

A PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARER OF SECTION 27, TOWNSHIP 16 NORTH, RANGE 31 WEST, WASHINGTON COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT AN EXISTING ROD WHICH IS S02°50'42"W 150.15' FROM A CONCRETE MONUMENT MARKING THE NORTHEAST CORNER OF SAID FORTY ACRE TRACT AND RUNNING THENCE S02°21'21"W 713.69' TO AN EXISTING ALUMINUM MONUMENT ON THE NORTH RIGHT-OF-WAY OF U.S. HIGHWAY #62, THENCE ALONG SAID RIGHT-OF-WAY THE FOLLOWING: S60°28'58"W 245.70' TO AN EXISTING ALUMINUM MONUMENT, S55°59'50"W 205.43', S42°06'22"W 51.69', THENCE LEAVING SAID RIGHT-OF-WAY N02°12'34"E 1001.95' TO AN EXISTING ROD, THENCE S88°03'52"E 409.71' TO THE POINT OF BEGINNING, CONTAINING 7.93 ACRES, MORE OR LESS. SUBJECT TO ALL EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

### GENERAL SURVEY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

### CONTACT INFORMATION

<b>PLANNING &amp; ZONING:</b>	MELISSA MCCARVILLE CITY BUSINESS MANAGER 354 WEST MAIN FARMINGTON, AR 72730 PHONE: (479)267-3865 (479)267-3805	<b>WATER/SEWER:</b>	CITY OF FAYETTEVILLE CORY GRANDERSON 125 W. MOUNTAIN AVE. FAYETTEVILLE, AR 72701 PHONE: (479) 444-3415
<b>FAX:</b>	(479)267-3805	<b>GAS:</b>	SOURCE GAS 655 E. MILLSAP RD. FAYETTEVILLE, AR 72701 PHONE: (800)563-0012
<b>PUBLIC WORKS:</b>	FLOYD SHELLY PUBLIC WORKS DIRECTOR 380 BROYLES FARMINGTON, AR 72730 PHONE: (479)267-3865 (479)267-3805	<b>ELECTRIC:</b>	OZARK ELECTRIC 3641 W. WEDINGTON DR FAYETTEVILLE, AR 72704 PHONE: (800) 521-6144
<b>FIRE DEPT:</b>	BILL HELLARD FIRE CHIEF 372 WEST MAIN P.O. BOX 150 FARMINGTON, AR 72730 PHONE: (479)267-3338 (479)267-3302	<b>WASTE:</b>	WASTE MANAGEMENT SYSTEMS 11979 ARBOR ACRES RD FAYETTEVILLE, AR 72701 PHONE: (800)443-5558
<b>FAX:</b>	(479)267-3302	<b>TELEPHONE:</b>	PRAIRIE GROVE TELEPHONE CO 139 MOCK ST PRAIRIE GROVE, AR 72753 PHONE: (479)267-7200

**PROJECT SITE ADDRESS:** 700 W MAIN ST  
FARMINGTON, AR 72730

**PARCEL:** #760-01916-800

**ACREAGE:** 7.93

**ZONING CLASSIFICATION:** C-2

**PROPOSED USE:** CHURCH OR RELIGIOUS SERVICES

**OWNER:** AVANCE BUSINESS SOLUTIONS  
P.O. BOX 1625  
FARMINGTON, AR

**ENGINEER/SURVEYOR:** BATES & ASSOCIATES, INC.  
7230 S. PLEASANT RIDGE DR.  
FAYETTEVILLE, AR 72704  
PHONE: (479) 442-9350  
FAX: (479) 521-9350

**ARCHITECT:** PEF ARCHITECT, LLC.  
PHILIP E. HADFIELD, ARCHITECT  
42 W. LOUISE ST.  
FAYETTEVILLE, AR 72701  
PHONE: (479) 444-8283  
EMAIL: PEHARCHITECT@GMAIL.COM

### INDEX OF DRAWINGS

- 01 COVER SHEET
- 02.0 EXISTING SITE + DEMOLITION PLAN
- 03.0 SITE PLAN
- 04.0-04.3 UTILITY PLAN
- 05.0-05.2 GRADING + EROSION CONTROL PLAN
- 06.0 LANDSCAPE PLAN
- 07.0-07.5 DETAILS

**BUILDING SETBACKS C-2 HIGHWAY COMMERCIAL**

FRONT SETBACK	50 FEET
SIDE SETBACK	25 FEET
REAR SETBACK	20 FEET
LOT FRONTAGE	50 FEET
CORNER LOT	35 FEET

**PARKING REQUIREMENTS C-2 HIGHWAY COMMERCIAL**  
CALCULATIONS WERE DONE BASED ON RESTAURANT USE: 1 SPACE FOR EVERY 4 SEATS.

NUMBER OF SEATS:	1060 SEATS
PARKING REQUIRED:	265 SPACES
TOTAL STANDARD PARKING PROPOSED:	265 SPACES
ADA PARKING FOR 201-300 SPACES PROVIDED:	
REQUIRED ADA SPACES:	7
PROPOSED ADA SPACES:	7
TOTAL PARKING SPACES:	272

### ZONING REQUIREMENTS (C-2) & AND LOT AREA CALCULATIONS

TOTAL AREA OF SITE:	345,300.40 SQ.FT.
TOTAL AREA AFTER R.O.W. DED:	319,399.38 SQ.FT.
GREENSPACE:	172,441.28 (54%)
IMPERIOUS AREA:	146,958.10 (46%)
MAXIMUM BUILDING LOT COVERAGE:	60%
BUILDING AREA:	39574.03 SQ.FT.
PROPOSED BUILDING LOT COVERAGE:	12.4%
MAXIMUM BUILDING HEIGHT:	40 FT
PROPOSED BUILDING HEIGHT:	UNDER 30FT

ENGINEER: G. BATES

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
ENGINEER

DRAWN BY: M. WILLIAMS

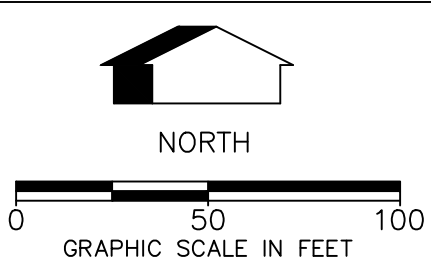
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REVISIONS	DATE
1ST SUBMITTAL	10/24/23
2ND SUBMITTAL	11/14/23
WATER & SEWER PROFILE	11/21/23
COF 1ST SUBMITTAL	11/27/23
MOVED ANNOTATIONS	12/04/23
COF 2ND SUBMITTAL	12/13/23

BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
COVER SHEET  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / batesnwa.com

DRAWING NO.  
01



- CONSTRUCTION NOTES:**
- ALL AREAS UNDER BUILDINGS AND PAVED AREAS SHALL BE STRIPPED OF TOPSOIL. THE RESULTING SUB GRADE SHALL BE THOROUGHLY COMPACTED. ANY SOFT OR YIELDING AREAS SHALL BE STABILIZED OR REMOVED AND REPLACED WITH SUITABLE MATERIAL.
  - FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER. ALL FILL SHALL BE MADE IN LIFTS NOT EXCEEDING 8" THICKNESS WITH EACH LIFT COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 SLOPE.
  - ALL GRADED AREAS SHALL HAVE 4" OF TOPSOIL, SO<sub>2</sub>, EROSION FABRIC, HERBACEOUS GROUND COVER, AND/OR HYDROSEEDED WITH A WARM SEASON GRASS. REVEGETATION SHALL BE IMMEDIATELY AFTER THE PHYSICAL ALTERATION OF THE LAND IS COMPLETE (MAXIMUM OF 15 DAYS).
  - ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY GRADING REGULATIONS. SILT FENCES, BERMS, DETENTION PONDS, OR OTHER MEANS NEEDED TO MEET THE CITY GRADING REQUIREMENTS SHALL BE PROVIDED AS REQUIRED TO MEET THESE REGULATIONS.
  - ALL HEAVILY TRAVELED DIRT AREAS SHALL BE WETTED TO PREVENT EXCESSIVE DUST, DURING CONSTRUCTION.
  - ALL MUD/DIRT LEFT ON PUBLIC STREETS OR ADJACENT PROPERTIES AS A RESULT OF THIS CONSTRUCTION SHALL BE IMMEDIATELY SHOVELED OR SWEEPED AWAY UNTIL IT IS COMPLETELY REMOVED BY THE CONTRACTOR AND PLACED BACK ON THE SITE.
  - ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY OF FARMINGTON OR THEIR REPRESENTATIVE. 48 HOUR NOTICE IS REQUIRED FOR ALL INSPECTIONS.

PROPOSED	EXISTING	DESCRIPTION
		ACCESS EASEMENT
		ASPHALT (EDGE)
		ASPHALT (SURFACE)
		BOLLARD
		BUILDING SETBACK LINE
		CABLE TV (UNDERGROUND)
		CONCRETE (EDGE)
		CONCRETE (SURFACE)
		CONDUIT
		CONTOURS
		CURB & GUTTER
		DRAINAGE FLOW
		DUMPSTER
		UTILITY EASEMENT
		ELECTRICAL (UNDERGROUND)
		ELECTRICAL (OVERHEAD)
		ELECT. TRANSFORMER
		EROSION CONTROL FENCE
		EROSION CONTROL RIP-RAP
		FENCE (EX. WIRE/PPR. SCREENING)
		FIBER OPTIC CABLE
		FIRE HYDRANT ASSEMBLY
		FLOWLINE
		FORCE MAIN
		GAS MAIN
		GAS METER/VALVE
		GRAVEL (EDGE)
		GRAVEL (SURFACE)
		IRON PIN - (RE-BAR)
		LIGHT
		POWER POLE
		PROPERTY LINE
		RETAINING WALL
		RIGHT-OF-WAY
		SANITARY SEWER MANHOLE
		SANITARY SEWER PIPE
		SANITARY SEWER SERVICE
		SECTION/TIE LINE
		SIDEWALK
		SIGN
		SPOT ELEVATION
		STABILIZED CONSTRUCTION ENT.
		STORM SEWER INLET
		STORM SEWER PIPE
		STRIPES (PAINTED OR STOCKY)
		TELEPHONE MANHOLE
		TELEPHONE (UNDERGROUND)
		TREE LINE CANOPY
		TREE/TREE TO BE REMOVED
		WATER MAIN BLOWOFF VALVE
		WATER MAIN FIRE DEPT. CONN.
		WATER MAIN PIPE
		WATER MAIN REDUCER
		WATER MAIN THRUST BLOCK
		WATER METER
		WATER METER (IRRIGATION)
		WATER VALVE

**SURVEY DESCRIPTION:**  
 A PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 37, TOWNSHIP 16 NORTH, RANGE 31 WEST, WASHINGTON COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT AN EXISTING ROD WHICH IS 802°50'42" W 150.15' FROM A CONCRETE MONUMENT MARKING THE NORTHEAST CORNER OF SAID FORTY ACRE TRACT AND RUNNING THENCE 802°21'21" W 713.69' TO AN EXISTING ALUMINUM MONUMENT ON THE NORTH RIGHT-OF-WAY OF U.S. HIGHWAY #62, THENCE ALONG SAID RIGHT-OF-WAY THE FOLLOWING: S60°20'35" W 245.70' TO AN EXISTING ALUMINUM MONUMENT, S55°59'50" W 205.43', S42°06'22" W 51.69', THENCE LEAVING SAID RIGHT-OF-WAY N02°12'34" E 1001.95' TO AN EXISTING ROD, THENCE S88°03'52" E 409.71' TO THE POINT OF BEGINNING, CONTAINING 7.93 ACRES, MORE OR LESS, SUBJECT TO ALL EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

**FLOOD CERTIFICATION:**  
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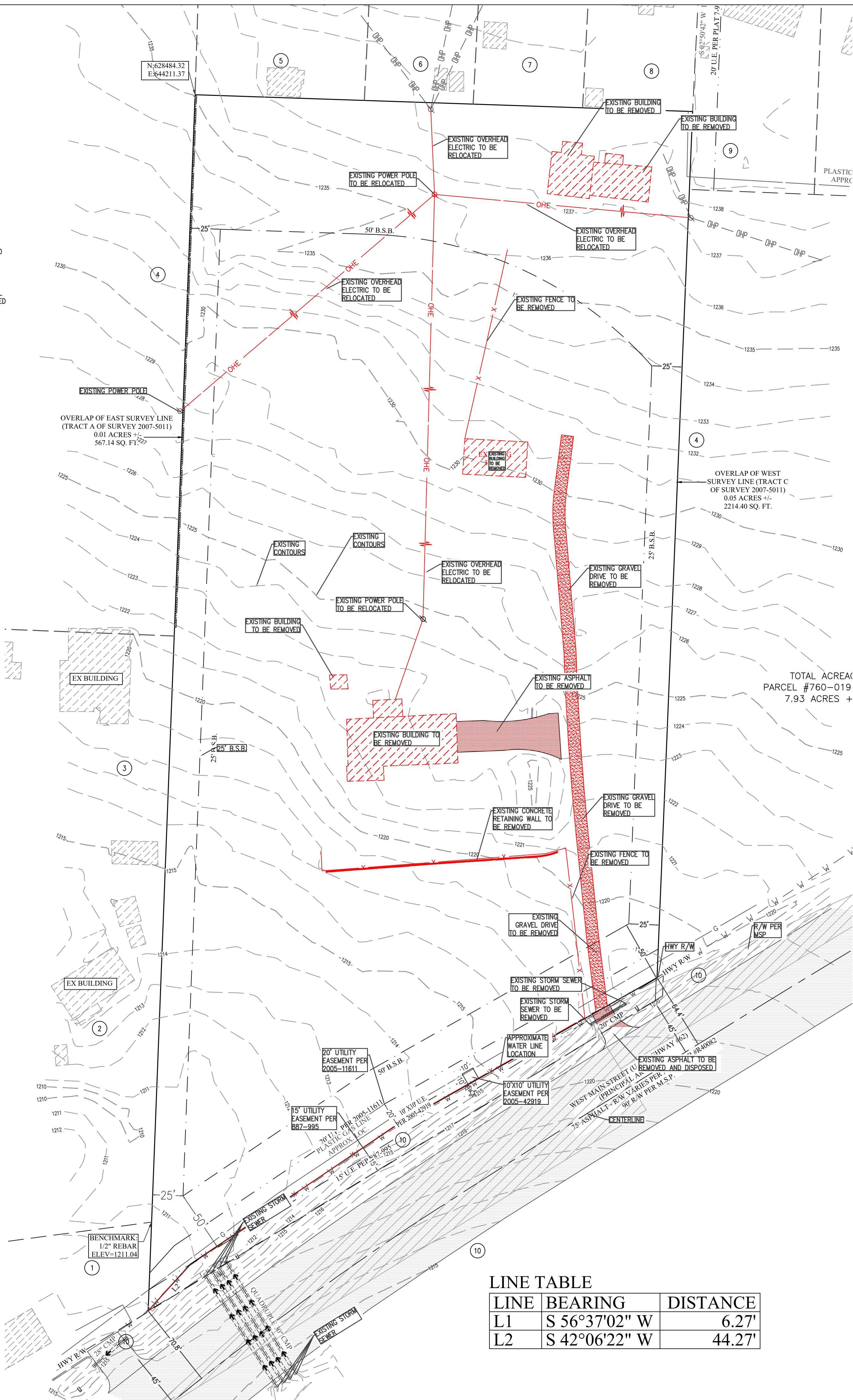
**CITY NOTE:**  
 ALL WORK WITHIN THE CITY OF FARMINGTON RIGHT OF WAY SHALL COMPLY WITH THE CITY OF FARMINGTON STANDARDS AND WILL REQUIRE INSPECTION BY THE CITY OF FARMINGTON.

**FLOOD CERTIFICATION:**  
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**ZONING REQUIREMENTS (C-2) & AND LOT AREA CALCULATIONS**

TOTAL AREA OF SITE:	345,300.40 SQ.FT.
TOTAL AREA AFTER R.O.W. DED:	319,399.38 SQ.FT.
GREENSPACE:	172,441.28 SQ.FT. (54%)
IMPERIOUS AREA:	146,958.10 SQ.FT. (46%)
MAXIMUM BUILDING LOT COVERAGE:	60%
BUILDING AREA:	39574.03 SQ.FT.
PROPOSED BUILDING LOT COVERAGE:	12.4%
MAXIMUM BUILDING HEIGHT:	40 FT
PROPOSED BUILDING HEIGHT:	UNDER 30FT

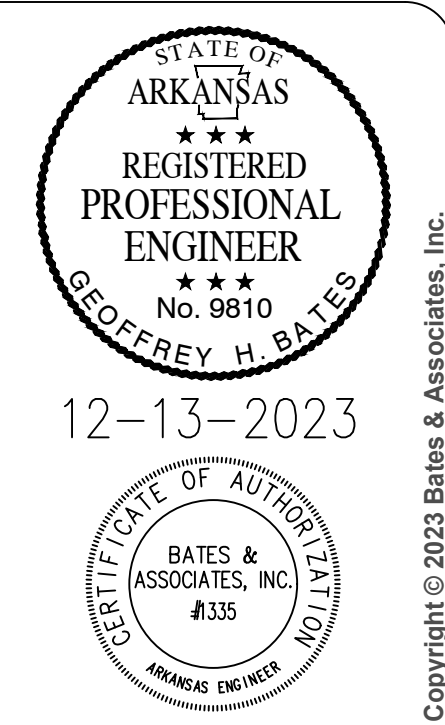
BUILDING SETBACKS C-2 HIGHWAY COMMERCIAL	
FRONT SETBACK	50 FEET
REAR SETBACK	25 FEET
SIDE SETBACK	20 FEET
STREET FRONTAGE	50 FEET
CORNER LOT	35 FEET



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 56°37'02" W	6.27'
L2	S 42°06'22" W	44.27'

ENGINEER: G. BATES  
 DRAWN BY: M. WILLIAMS



DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL WATER & SEWER PROFILE
11/21/23	COF 1ST SUBMITTAL
11/27/23	MOVED ANNOTATIONS
12/04/23	COF 2ND SUBMITTAL
12/13/23	COF 2ND SUBMITTAL

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 DEMOLITION PLAN  
 FARMINGTON, ARKANSAS

**BATES**  
 Engineers - Surveyors  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com

DRAWING NO. 02.0

PROJECT NO. 21-366

BUILDING SETBACKS C-2 HIGHWAY COMMERCIAL	
FRONT SETBACK	50 FEET
SIDE SETBACK	25 FEET
REAR SETBACK	20 FEET
LOT FRONTAGE	50 FEET
CORNER LOT	35 FEET

PARKING REQUIREMENTS C-2 HIGHWAY COMMERCIAL-CALCULATIONS WERE DONE BASED ON RESTAURANT USE. 1 SPACE FOR EVERY 4 SEATS.

NUMBER OF SEATS:	1060 SEATS
PARKING REQUIRED:	265 SPACES
PARKING PROPOSED:	265 SPACES

TOTAL STANDARD PARKING PROPOSED: 265 SPACES

ADA PARKING FOR 201-300 SPACES PROVIDED:  
 REQUIRED ADA SPACES: 7  
 PROPOSED ADA SPACES: 7

TOTAL PARKING SPACES: 272

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MAXIMUM BUILDING LOT COVERAGE: 60%  
 BUILDING AREA: 39574.03 SQ.FT.  
 PROPOSED BUILDING LOT COVERAGE: 12.4%

MAXIMUM BUILDING HEIGHT: 40 FT  
 PROPOSED BUILDING HEIGHT: UNDER 30FT

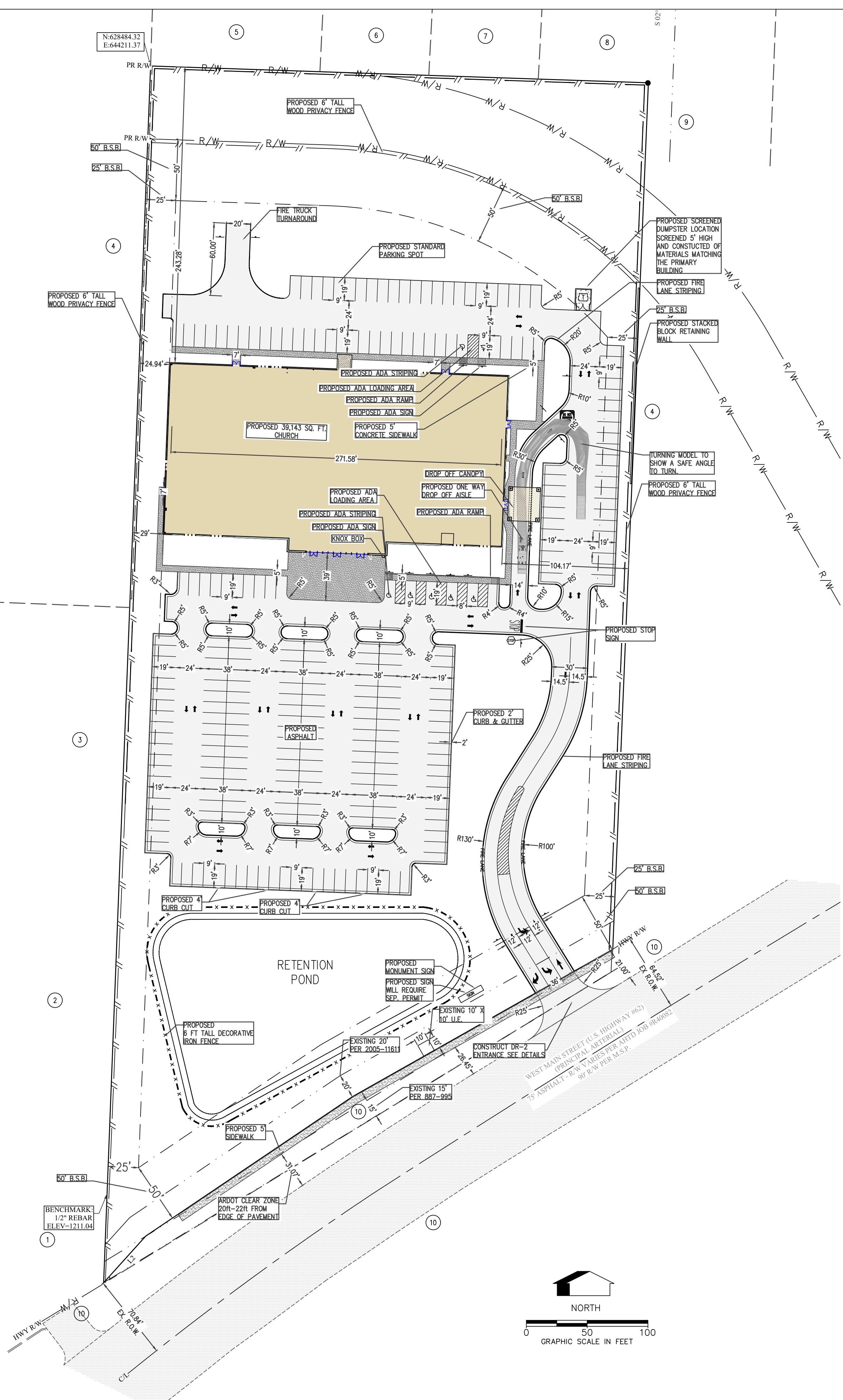
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PROPOSED	EXISTING	DESCRIPTION
AE	AE	ACCESS EASEMENT
		ASPHALT (EDGE)
		ASPHALT (SURFACE)
		BOLLARD
		BUILDING
		BUILDING SETBACK LINE
		CABLE TV (UNDERGROUND)
		CENTERLINE
		CONCRETE (EDGE)
		CONCRETE (SURFACE)
		CONDUIT
		CONTOURS
		CURB & GUTTER
		DRAINAGE FLOW
		DUMPSTER
		UTILITY EASEMENT
		ELECTRICAL (UNDERGROUND)
		ELECTRICAL (OVERHEAD)
		ELECT. TRANSFORMER
		EROSION CONTROL FENCE
		EROSION CONTROL RIP-RAP
		FENCE (EX. WIRE/PRI. SCREENING)
		FIBER OPTIC CABLE
		FIRE HYDRANT ASSEMBLY
		FLOWLINE
		FORCE MAIN
		GAS MAIN
		GAS METER/VALVE
		GRAVEL (EDGE)
		GRAVEL (SURFACE)
		IRON PIN - (RE-BAR)
		LIGHT
		POND
		POWER POLE
		PROPERTY LINE
		RETAINING WALL
		RIGHT-OF-WAY
		SANITARY SEWER MANHOLE
		SANITARY SEWER PIPE
		SANITARY SEWER SERVICE
		SECTION/TIE LINE
		SIDEWALK
		SIGN
		SPOT ELEVATION
		STABILIZED CONSTRUCTION ENT.
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		STORM SEWER PIPE
		STRIPES (PAINTED OR STICKY)
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		WATER MAIN FIRE DEPT. CONN.
		WATER MAIN PIPE
		WATER MAIN REDUCER
		WATER MAIN THRUST BLOCK
		WATER METER
		WATER METER (IRRIGATION)
		WATER VALVE



ADJACENT LAND OWNERS

- 1) FIRST APOSTOLIC CHURCH  
 PO BOX 523  
 FAYETTEVILLE, AR 72702-0523  
 PARCEL #760-01916-600  
 ZONED: R-1
- 2) SCHLESNIER, RANDY & PATTY ANN  
 12838 RUBY RD  
 FARMINGTON, AR 72730  
 PARCEL #760-01916-900  
 ZONED: R-1
- 3) KERSH, KENNETH GRAHAM & LILY  
 209 W 21ST ST  
 RUSSELLVILLE, AR 72801  
 PARCEL #760-01916-901  
 ZONED: R-1
- 4) FARMINGTON COMMERCIAL LLC  
 13771 TYLER RD  
 FARMINGTON, AR 72730  
 PARCELS #760-01911-800 & #760-01911-100  
 ZONED: R-1 (#760-01911-800) C-2 (#760-01911-100)
- 5) RENZ, ROBERT R & MARY MARGARET  
 331 W KELLI AVE  
 FARMINGTON, AR 72730-2603  
 PARCEL #760-01640-000  
 ZONED: R-1
- 6) BRAUM, LINDA (MOTES)  
 323 W KELLI AVE  
 FARMINGTON, AR 72730  
 PARCEL #760-01639-000  
 ZONED: R-1
- 7) SCHADER, AUSTIN & ROBBIE  
 PO BOX 852  
 FARMINGTON, AR 72730-0852  
 PARCEL #760-01638-000  
 ZONED: R-1
- 8) CONLEY, SYDNEY  
 319 W KELLI AVE  
 FARMINGTON, AR 72730  
 PARCEL #760-01637-000  
 ZONED: R-1
- 9) HARRINGTON, MARGARET L  
 317 W KELLI AVE  
 FARMINGTON, AR 72730  
 PARCEL #760-01240-000  
 ZONED: R-1
- 10) ARKANSAS STATE HIGHWAY COMMISSION  
 PO BOX 2261  
 LITTLE ROCK, AR 72203-2261  
 PARCELS #760-01911-101, #760-01911-950,  
 #760-01911-301, #760-01916-700,  
 #760-01911-701, & #760-01911-700

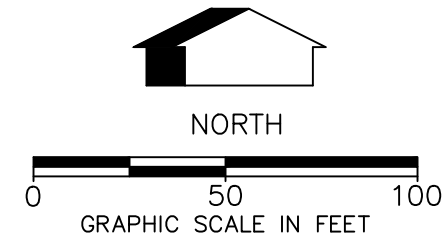


ENGINEER: G. BATES  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9810  
 GEOFFREY H. BATES  
 12-13-2023  
 CERTIFICATE OF AUTHORITY  
 BATES & ASSOCIATES, INC.  
 #335  
 ARCHITECT  
 DRAWING NO. 03.0  
 PROJECT NO. 21-366  
 DRAWN BY: M. WILLIAMS

DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL
11/21/23	WATER & SEWER PROFILE
11/27/23	COF 1ST SUBMITTAL
12/04/23	MOVED ANNOTATIONS
12/13/23	COF 2ND SUBMITTAL

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 SITE PLAN  
 FARMINGTON, ARKANSAS

**BATES**  
 Engineers - Surveyors  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com



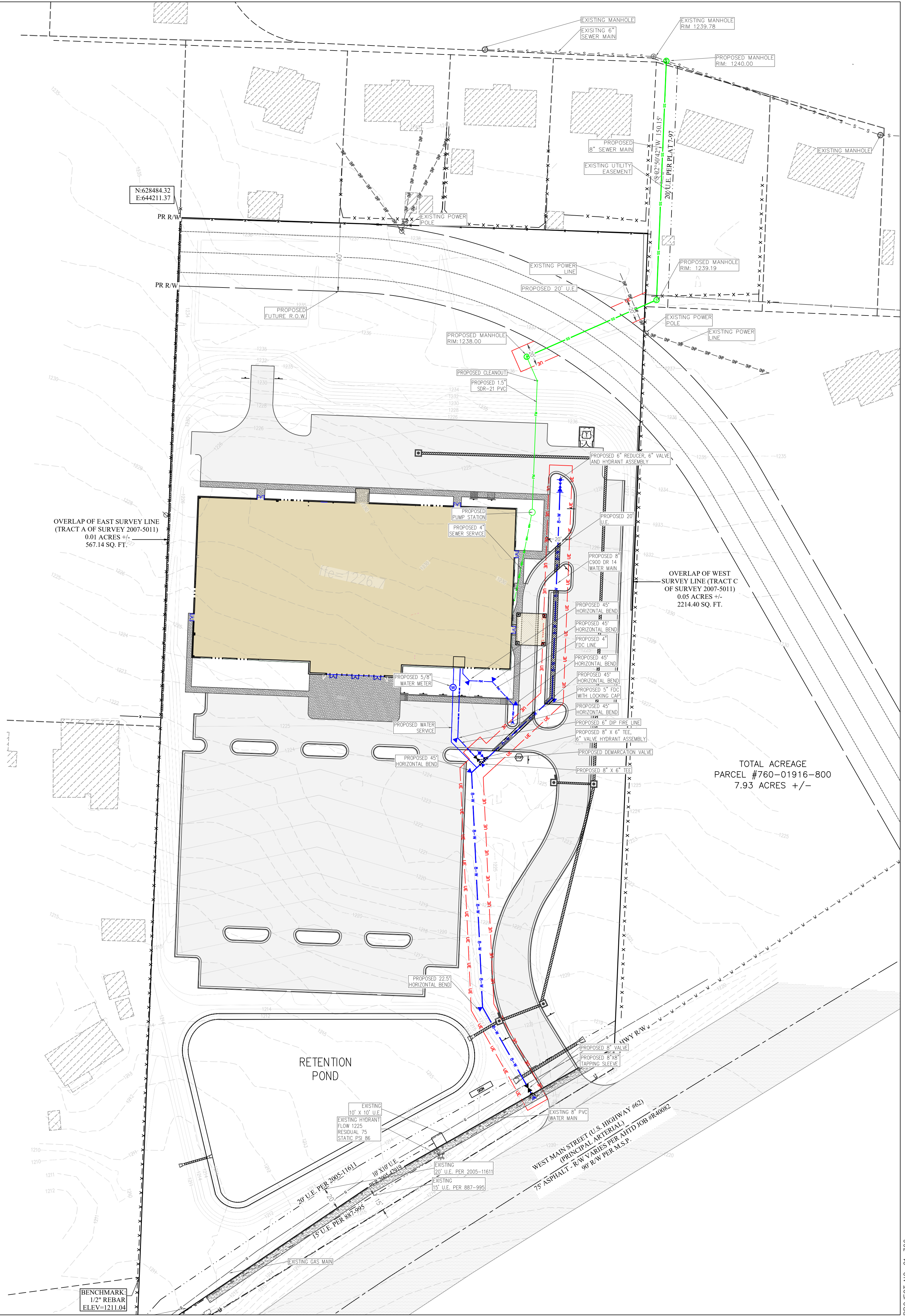
**CITY NOTE:**  
ALL WORK WITHIN THE CITY OF FARMINGTON RIGHT OF WAY SHALL COMPLY WITH THE CITY OF FARMINGTON STANDARDS AND WILL REQUIRE INSPECTION BY THE CITY OF FARMINGTON.

- WATER NOTES:**
- 2022 STANDARD WATER & SEWER SPECIFICATIONS & DETAILS APPLY. (DOCUMENT AVAILABLE AT WWW.FAYETTEVILLE-AR.GOV/DOCUMENTCENTER/VIEW/26733/2022-FAY-WATER-AND-SEWER-SPECIFICATIONS)
  - PRIOR TO OBTAINING A TEMPORARY WATER METER FOR TESTING OR SERVICE OFF OF A CONTRACTOR INSTALLED NEW MAIN, THE FOLLOWING ITEMS MUST BE PERFORMED OR PROVIDED TO THE SATISFACTION OF THE ENGINEERING DEPARTMENT:
    - THERE ARE NO OUTSTANDING ISSUES WITH SITE REQUIREMENTS OR OUTSTANDING EROSION CONTROL VIOLATIONS.
    - THE STRUCTURE MUST BE CONNECTED TO PUBLIC SANITARY SEWER
    - THE PROJECT IS READY FOR TEMPORARY CERTIFICATE OF OCCUPANCY (TCO). IF NOT, THE METER WILL BE INSTALLED TO ALLOW FOR TESTING ONLY AND TURNED OFF UNTIL THE TCO IS ISSUED.
    - SERVICE TAPS ON EXISTING MAINS SHALL BE MADE BY THE CITY, AND FEES PAID BY OWNER.

- GENERAL UTILITY NOTES:**
- ALL EXISTING UTILITIES BELOW 12KV SHALL BE RELOCATED UNDERGROUND. ALL INSTALLED UTILITIES SHALL BE LOCATED UNDERGROUND.
  - ALL CONDUITS PLACED BY CONTRACTOR MUST HAVE 48" OF COVER AT FINAL GRADE AND MARKED WITH POST TO IDENTIFY THE END OF CONDUITS. THERE MUST BE A MINIMUM SEPARATION OF 12" BETWEEN CONDUITS FOR ELECTRIC AND CONDUITS FOR OTHER UTILITIES.
  - DAMAGE TO OR RELOCATION OF EXISTING UTILITIES SHALL BE AT THE DEVELOPER'S EXPENSE.
  - ALL METER LOCATIONS AND BACKFLOW PREVENTION MUST BE APPROVED THE FAYETTEVILLE WATER DEPARTMENT.
  - NOTIFY THE CITY OF FARMINGTON AND CITY ENGINEERING CONSULTANT (MWY) IN ADVANCE OF PERFORMING WORK IN THE RIGHT OF WAY OR PUBLIC INFRASTRUCTURE.
  - CONNECTION OF WATER AND SEWER SERVICES MUST BE COORDINATED WITH THE FAYETTEVILLE WATER DEPARTMENT.
  - EXISTING UTILITY SERVICES WILL BE USED WHERE FEASIBLE.

**DOMESTIC WATER AND FIRE FLOW INFORMATION**  
 REQUIRED DOMESTIC FLOW = 344 GPM  
 WATER SERVICE LINE SIZE = 4"  
 FLOW VELOCITY = 8 FT. / SECOND  
 WATER SERVICE LINE SIZE = 6"  
 FLOW VELOCITY = 4 FT. / SECOND  
 REQUIRED FIRE FLOW = 550 GPM  
 FIRE LINE SIZE = 6"  
 FDC LINE SIZE = 4"  
 \*\*BASED ON THE LATES DRAWING CONTAINING 27 FLUSH VALVE TOILETS, 17 LAVATORIES, 4 MOP SINKS, 2 SHOWERS, AND 4 URINALS THE REQUIRED GPM IAW IPC IS 344 GPM.

PROPOSED	EXISTING	DESCRIPTION
---	---	ACCESS EASEMENT
---	---	ASPHALT (EDGE)
---	---	ASPHALT (SURFACE)
---	---	BELLHOLE
---	---	BUILDING
---	---	BUILDING SETBACK LINE
---	---	CABLE TV (UNDERGROUND)
---	---	CENTERLINE
---	---	CONCRETE (EDGE)
---	---	CONCRETE (SURFACE)
---	---	CONDUIT
---	---	CONTOURS
---	---	CURB & GUTTER
---	---	DRAINAGE FLOW
---	---	DUMPSTER
---	---	UTILITY EASEMENT
---	---	ELECTRICAL (UNDERGROUND)
---	---	ELECTRICAL (OVERHEAD)
---	---	ELECT. TRANSFORMER
---	---	EROSION CONTROL FENCE
---	---	EROSION CONTROL RIP-RAP
---	---	FENCE (EX. WIRE/PR. SCREENING)
---	---	FIBER OPTIC CABLE
---	---	FIRE HYDRANT ASSEMBLY
---	---	FLOWLINE
---	---	FORCE MAIN
---	---	GAS MAIN
---	---	GAS METER/VALVE
---	---	GRAVEL (EDGE)
---	---	GRAVEL (SURFACE)
---	---	IRON PIN - (RE-BAR)
---	---	LIGHT
---	---	POND
---	---	POWER POLE
---	---	PROPERTY LINE
---	---	RETAINING WALL
---	---	RIGHT-OF-WAY
---	---	SANITARY SEWER MANHOLE
---	---	SANITARY SEWER PIPE
---	---	SANITARY SEWER SERVICE
---	---	SECTION/TIE LINE
---	---	SIDEWALK
---	---	SIGN
---	---	SPOT ELEVATION
---	---	STABILIZED CONSTRUCTION EXT.
---	---	STORM SEWER INLET
---	---	STORM SEWER PIPE
---	---	STRIP (PAINTED OR STICKY)
---	---	TELEPHONE RED/MANHOLE
---	---	TELEPHONE (UNDERGROUND)
---	---	TREE LINE CANOPY
---	---	TREE/TREE TO BE REMOVED
---	---	WATER MAIN BLOWOFF VALVE
---	---	WATER MAIN FIRE DEPT. CONN.
---	---	WATER MAIN PIPE
---	---	WATER MAIN REDUCER
---	---	WATER MAIN THRUST BLOCK
---	---	WATER METER
---	---	WATER METER (IRRIGATION)
---	---	WATER VALVE



ENGINEER: G. BATES  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9810  
 GEOFFREY H. BATES  
 12-13-2023  
 CERTIFICATE OF AUTHORITY  
 BATES & ASSOCIATES, INC.  
 #335  
 ARKANSAS ENGINEER  
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DATE	REVISIONS
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12/13/23	COF 2ND SUBMITTAL

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 UTILITY PLAN  
 FARMINGTON, ARKANSAS

**BATES**  
 Engineers - Surveyors  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com

DRAWING NO.  
 04.0

PROJECT NO. 21-366

LEGEND		
PROPOSED	EXISTING	DESCRIPTION
[Symbol]	[Symbol]	ACCESS EASEMENT
[Symbol]	[Symbol]	ASPHALT (EDGE)
[Symbol]	[Symbol]	ASPHALT (SURFACE)
[Symbol]	[Symbol]	BOLLARD
[Symbol]	[Symbol]	BUILDING
[Symbol]	[Symbol]	BUILDING SETBACK LINE
[Symbol]	[Symbol]	CABLE TV (UNDERGROUND)
[Symbol]	[Symbol]	CENTERLINE
[Symbol]	[Symbol]	CONCRETE (EDGE)
[Symbol]	[Symbol]	CONCRETE (SURFACE)
[Symbol]	[Symbol]	CONDUIT
[Symbol]	[Symbol]	CONTOURS
[Symbol]	[Symbol]	CURB & GUTTER
[Symbol]	[Symbol]	DRAINAGE FLOW
[Symbol]	[Symbol]	DUMPSTER
[Symbol]	[Symbol]	UTILITY EASEMENT
[Symbol]	[Symbol]	ELECTRICAL (UNDERGROUND)
[Symbol]	[Symbol]	ELECTRICAL (OVERHEAD)
[Symbol]	[Symbol]	ELECT. TRANSFORMER
[Symbol]	[Symbol]	EROSION CONTROL FENCE
[Symbol]	[Symbol]	EROSION CONTROL RIP-RAP
[Symbol]	[Symbol]	FENCE (EX. WIRE/P.R. SCREENING)
[Symbol]	[Symbol]	FIBER OPTIC CABLE
[Symbol]	[Symbol]	FIRE HYDRANT ASSEMBLY
[Symbol]	[Symbol]	FLOWLINE
[Symbol]	[Symbol]	FORCE MAIN
[Symbol]	[Symbol]	GAS METER/VALVE
[Symbol]	[Symbol]	GRAVEL (EDGE)
[Symbol]	[Symbol]	GRAVEL (SURFACE)
[Symbol]	[Symbol]	IRON PIN - (RE-BAR)
[Symbol]	[Symbol]	LIGHT
[Symbol]	[Symbol]	POD
[Symbol]	[Symbol]	POWER POLE
[Symbol]	[Symbol]	PROPERTY LINE
[Symbol]	[Symbol]	RETAINING WALL
[Symbol]	[Symbol]	RIGHT-OF-WAY
[Symbol]	[Symbol]	SANITARY SEWER MANHOLE
[Symbol]	[Symbol]	SANITARY SEWER PIPE
[Symbol]	[Symbol]	SANITARY SEWER SERVICE
[Symbol]	[Symbol]	SECTION/TIE LINE
[Symbol]	[Symbol]	SIDEWALK
[Symbol]	[Symbol]	SIGN
[Symbol]	[Symbol]	SPOT ELEVATION
[Symbol]	[Symbol]	STABILIZED CONSTRUCTION ENT.
[Symbol]	[Symbol]	STORM SEWER INLET
[Symbol]	[Symbol]	STORM SEWER PIPE
[Symbol]	[Symbol]	STRIP (PAINTED OR STICKY)
[Symbol]	[Symbol]	TELEPHONE PED/MANHOLE
[Symbol]	[Symbol]	TELEPHONE (UNDERGROUND)
[Symbol]	[Symbol]	TREE LINE CANOPY
[Symbol]	[Symbol]	TREE/TREE TO BE REMOVED
[Symbol]	[Symbol]	WATER MAIN BLOWOFF VALVE
[Symbol]	[Symbol]	WATER MAIN FIRE DEPT. CONN.
[Symbol]	[Symbol]	WATER MAIN PIPE
[Symbol]	[Symbol]	WATER MAIN REDUCER
[Symbol]	[Symbol]	WATER MAIN THRUST BLOCK
[Symbol]	[Symbol]	WATER METER
[Symbol]	[Symbol]	WATER METER (IRRIGATION)
[Symbol]	[Symbol]	WATER VALVE

TYPE	SIZE	MATERIAL	LENGTH
FIRE	6"	C350 D.I.P.	91.58 LF
WATER	8"	C900 DR-14 PVC	582.10 LF
SEWER	8"	SDR-26 PVC	333.65 LF

**DOMESTIC WATER AND FIRE FLOW INFORMATION**

REQUIRED DOMESTIC FLOW = 344 GPM

WATER SERVICE LINE SIZE = 4"  
FLOW VELOCITY = 8 FT. / SECOND

WATER SERVICE LINE SIZE = 6"  
FLOW VELOCITY = 4 FT. / SECOND

REQUIRED FIRE FLOW = 550 GPM

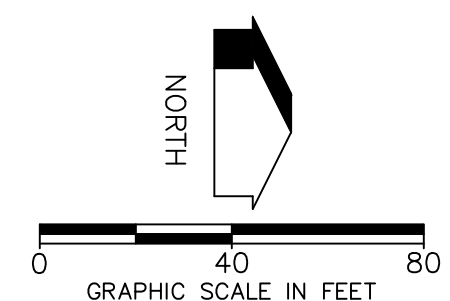
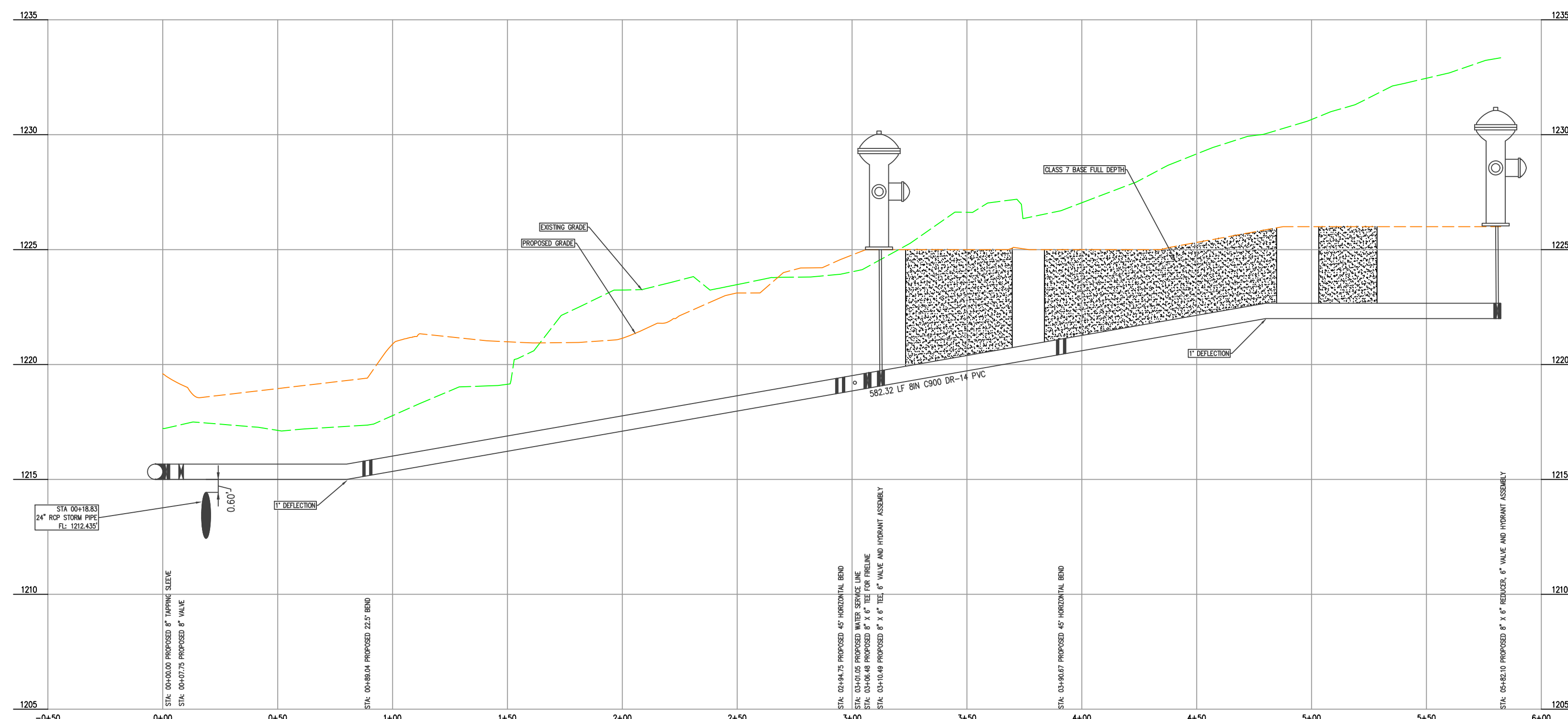
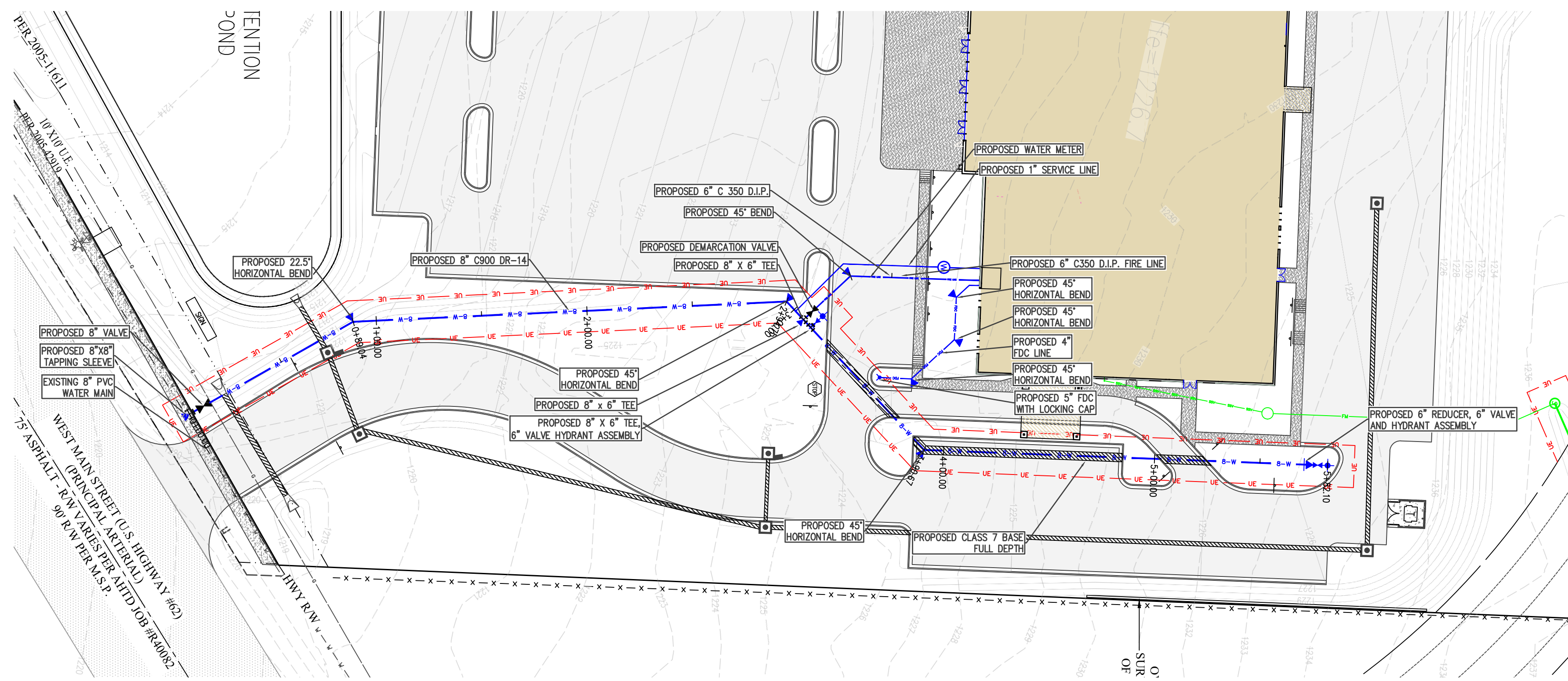
FIRE LINE SIZE = 6"  
FDC LINE SIZE = 4"

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ENGINEER: G. BATES

REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES  
1-800-482-8998

12-13-2023

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
REGISTERED PROFESSIONAL ENGINEER

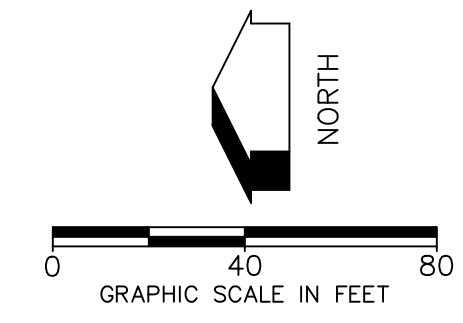
DRAWN BY: M. WILLIAMS

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DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL
11/21/23	WATER & SEWER PROFILE
11/27/23	COF 1ST SUBMITTALS
12/04/23	MOVED ANNOTATIONS
12/13/23	COF 2ND SUBMITTAL

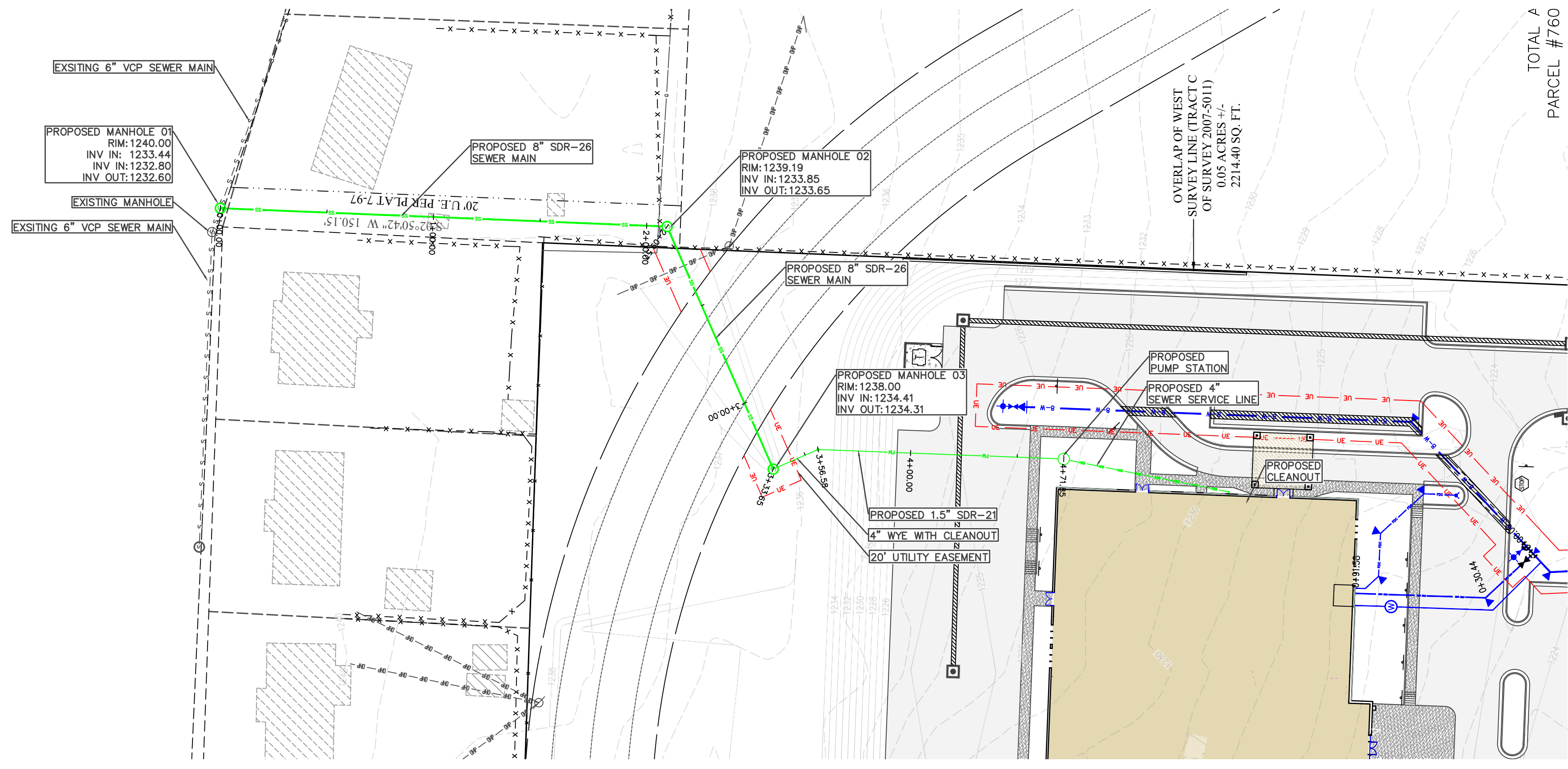
BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
WATERMAIN PLAN & PROFILE  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / batesnwa.com



ENGINEER: G. BATES  
 DRAWN BY: M. WILLIAMS  
 PROJECT NO. 21-366  
 12-13-2023  
 BATES & ASSOCIATES, INC.  
 PROFESSIONAL ENGINEER  
 No. 9810  
 GEOFFREY H. BATES  
 CERTIFICATE OF AUTHORITY  
 BATES & ASSOCIATES, INC.  
 #1335  
 ARKANSAS ENGINEER  
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LEGEND		DESCRIPTION
PROPOSED	EXISTING	
---	---	ACCESS EASEMENT
---	---	ASPHALT (EDGE)
---	---	ASPHALT (SURFACE)
---	---	BOLLARD
---	---	BUILDING
---	---	BUILDING SETBACK LINE
---	---	CABLE TV (UNDERGROUND)
---	---	CENTERLINE
---	---	CONCRETE (EDGE)
---	---	CONCRETE (SURFACE)
---	---	CONDUIT
---	---	CONTOURS
---	---	CURB & GUTTER
---	---	DRAINAGE FLOW
---	---	DUMPSTER
---	---	UTILITY EASEMENT
---	---	ELECTRICAL (UNDERGROUND)
---	---	ELECTRICAL (OVERHEAD)
---	---	ELECT. TRANSFORMER
---	---	FIBER OPTIC CABLE
---	---	EROSION CONTROL FENCE
---	---	EROSION CONTROL RIP-RAP
---	---	FENCE (EX. WIRE/PK. SCREENING)
---	---	FIRE HYDRANT ASSEMBLY
---	---	FIRE HYDRANT
---	---	FIRE LINE
---	---	FORCE MAIN
---	---	GAS MAIN
---	---	GAS METER/VALVE
---	---	GRAVEL (EDGE)
---	---	GRAVEL (SURFACE)
---	---	IRON PIN - (RE-BAR)
---	---	LIGHT
---	---	POND
---	---	POWER POLE
---	---	PROPERTY LINE
---	---	RETAINING WALL
---	---	RIGHT-OF-WAY
---	---	SANITARY SEWER MANHOLE
---	---	SANITARY SEWER PIPE
---	---	SANITARY SEWER SERVICE
---	---	SECTION/TIE LINE
---	---	SIDEWALK
---	---	SION
---	---	SPOT ELEVATION
---	---	STABILIZED CONSTRUCTION ENT.
---	---	STORM SEWER INLET
---	---	STORM SEWER PIPE
---	---	STRIP (PAINTED OR STICKY)
---	---	TELEPHONE PED/MANHOLE
---	---	TELEPHONE (UNDERGROUND)
---	---	TREE LINE CANOPY
---	---	TREE/TREE TO BE REMOVED
---	---	WATER MAIN BLOWOFF VALVE
---	---	WATER MAIN FIRE DEPT. CONN.
---	---	WATER MAIN PIPE
---	---	WATER MAIN REDUCER
---	---	WATER MAIN THRUST BLOCK
---	---	WATER METER
---	---	WATER METER (IRRIGATION)
---	---	WATER VALVE

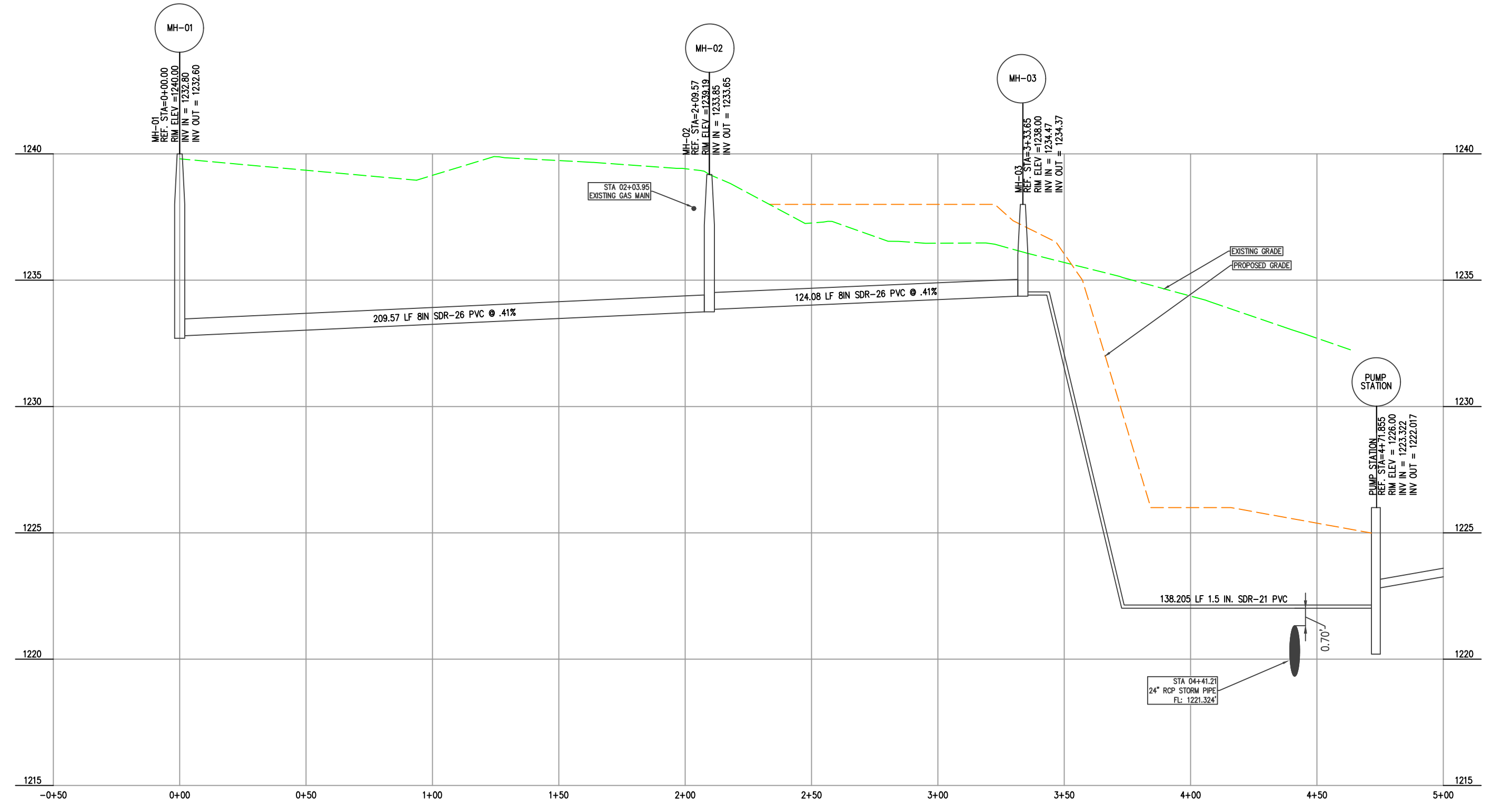


TYPE	SIZE	MATERIAL	LENGTH
FIRE	6"	C350 D.I.P.	91.58 LF
WATER	8"	C900 DR 14 PVC	582.10 LF
SEWER	8"	SDR-26 PVC	333.65 LF

**DOMESTIC WATER AND FIRE FLOW INFORMATION**  
 REQUIRED DOMESTIC FLOW = 344 GPM  
 WATER SERVICE LINE SIZE = 4"  
 FLOW VELOCITY = 8 FT. / SECOND  
 WATER SERVICE LINE SIZE = 6"  
 FLOW VELOCITY = 4 FT. / SECOND  
 REQUIRED FIRE FLOW = 550 GPM  
 FIRE LINE SIZE = 6"  
 FDC LINE SIZE = 4"  
 \*\*BASED ON THE LATES DRAWING CONTAINING 27 FLUSH VALVE TOILETS, 17 LAVATORIES, 4 MOP SINKS, 2 SHOWERS, AND 4 URINALS THE REQUIRED GPM IAW IPC IS 344 GPM.

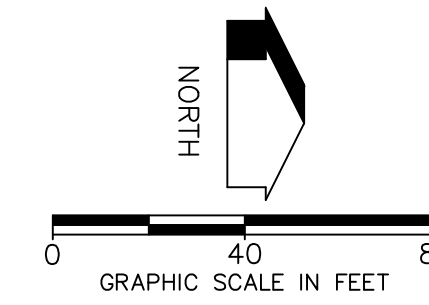
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ENGINEER: G. BATES

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

CERTIFICATE OF AUTHORITY  
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#335  
ARKANSAS ENGINEER

DRAWN BY: M. WILLIAMS

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LEGEND		DESCRIPTION
PROPOSED	EXISTING	
---	---	ACCESS EASEMENT
---	---	ASPHALT (EDGE)
---	---	ASPHALT (SURFACE)
○	○	BOLLARD
---	---	BUILDING
---	---	BUILDING SETBACK LINE
---	---	CABLE TV (UNDERGROUND)
---	---	CENTERLINE
---	---	CONCRETE (EDGE)
---	---	CONCRETE (SURFACE)
---	---	CONDUIT
---	---	CONTOURS
---	---	CURB & GUTTER
---	---	DRAINAGE FLOW
---	---	DUMPSTER
---	---	UTILITY EASEMENT
---	---	ELECTRICAL (UNDERGROUND)
---	---	ELECTRICAL (OVERHEAD)
---	---	ELECT. TRANSFORMER
---	---	EROSION CONTROL FENCE
---	---	EROSION CONTROL RIP-RAP
---	---	FENCE (EX. WIRE PR. SCREENING)
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---	---	FIRE HYDRANT ASSEMBLY
---	---	FLOWLINE
---	---	FORCE MAIN
---	---	GAS MAIN
---	---	GAS METER/VALVE
---	---	GRAVEL (EDGE)
---	---	GRAVEL (SURFACE)
---	---	IRON PIN - (RE-BAR)
---	---	LIGHT
---	---	POND
---	---	POWER POLE
---	---	PROPERTY LINE
---	---	RETAINING WALL
---	---	RIGHT-OF-WAY
---	---	SANITARY SEWER MANHOLE
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---	---	STRIPES (PAINTED OR STICKY)
---	---	TELEPHONE PED/MANHOLE
---	---	TELEPHONE (UNDERGROUND)
---	---	TREE LINE CANDY
---	---	TREE/TREE TO BE REMOVED
---	---	WATER MAIN BLOWOFF VALVE
---	---	WATER MAIN FIRE DEPT. CONN.
---	---	WATER MAIN PIPE
---	---	WATER MAIN REDUCER
---	---	WATER MAIN THRUST BLOCK
---	---	WATER METER
---	---	WATER METER (IRRIGATION)
---	---	WATER VALVE

TYPE	SIZE	MATERIAL	LENGTH
FIRE	6"	C350 D.I.P.	91.58 LF
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**DOMESTIC WATER AND FIRE FLOW INFORMATION**

REQUIRED DOMESTIC FLOW = 344 GPM

WATER SERVICE LINE SIZE = 4"  
FLOW VELOCITY = 8 FT. / SECOND

WATER SERVICE LINE SIZE = 6"  
FLOW VELOCITY = 4 FT. / SECOND

REQUIRED FIRE FLOW = 550 GPM

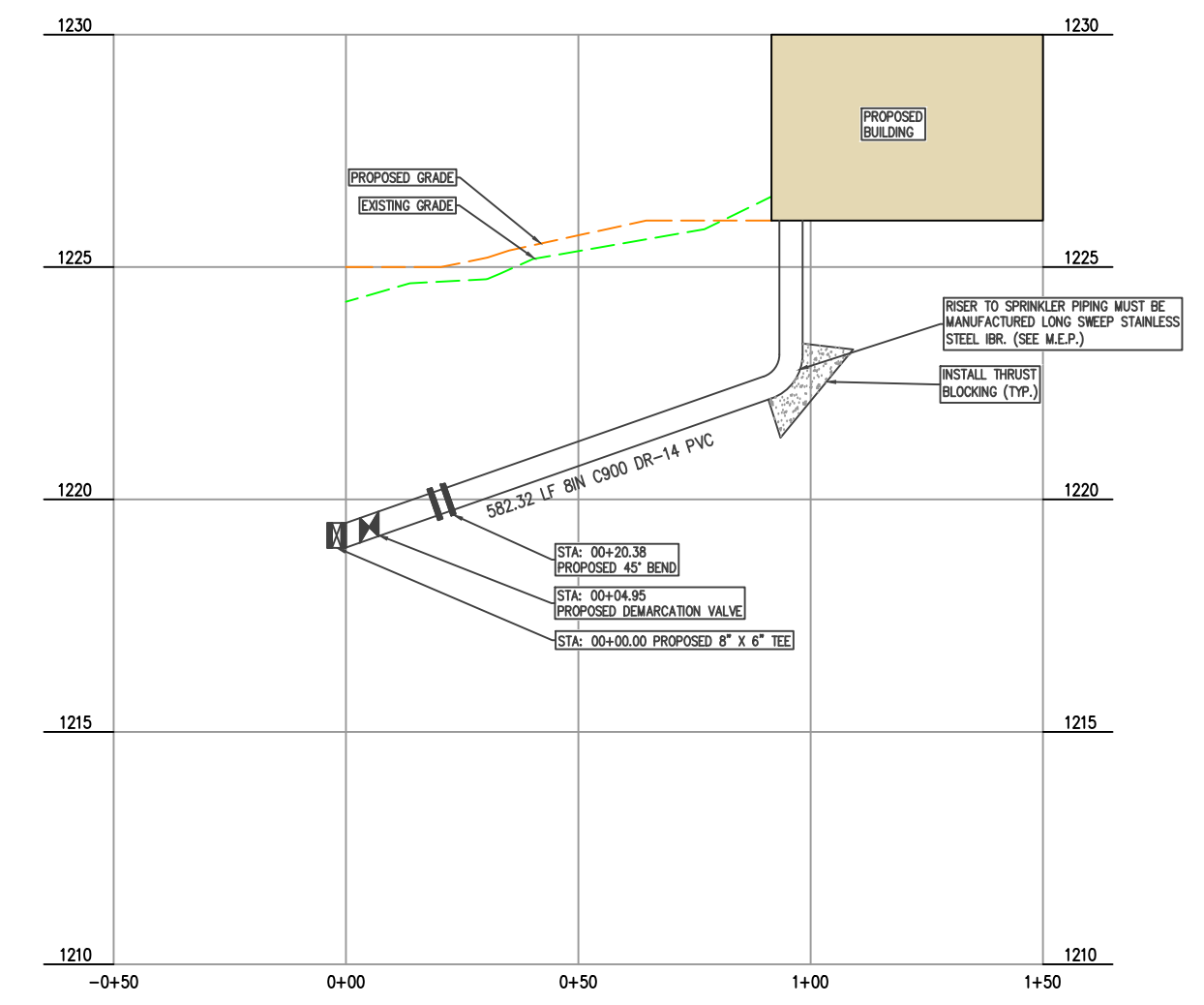
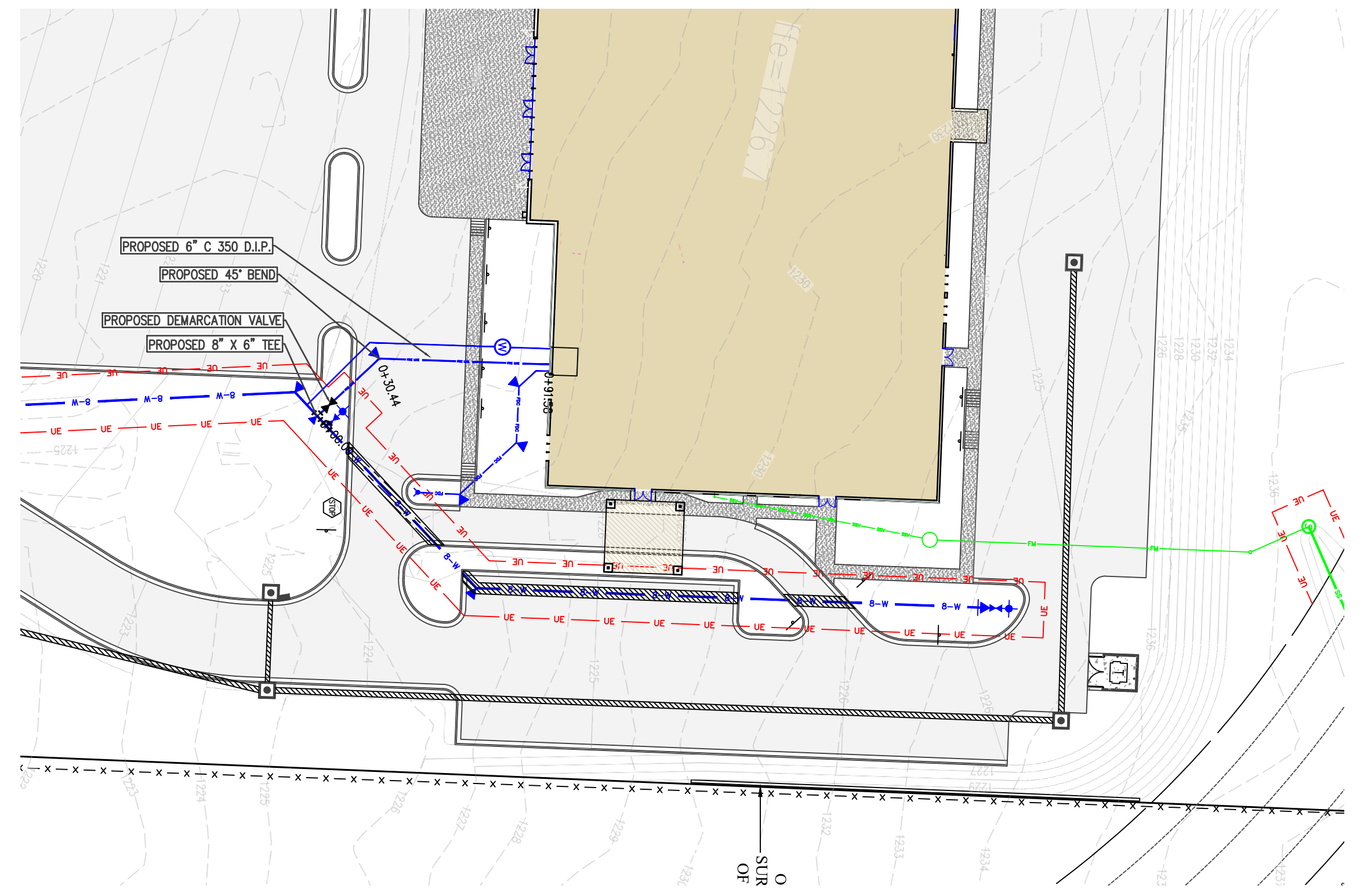
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- WATER NOTES:**
- 2022 STANDARD WATER & SEWER SPECIFICATIONS & DETAILS APPLY. (DOCUMENT AVAILABLE AT WWW.FAYETTEVILLE-AR.GOV/DOCUMENTCENTER/VIEW/26733/2022-FAY-WATER-AND-SEWER-SPECIFICATIONS)
  - PRIOR TO OBTAINING A TEMPORARY WATER METER FOR TESTING OR SERVICE OFF OF A CONTRACTOR INSTALLED NEW MAIN, THE FOLLOWING ITEMS MUST BE PERFORMED OR PROVIDED TO THE SATISFACTION OF THE ENGINEERING DEPARTMENT:
    - THERE ARE NO OUTSTANDING ISSUES WITH SITE REQUIREMENTS OR OUTSTANDING EROSION CONTROL VIOLATIONS.
    - THE STRUCTURE IS READY TO BE CONNECTED TO PUBLIC SANITARY SEWER
    - THE PROJECT IS READY FOR TEMPORARY CERTIFICATE OF OCCUPANCY (TCO). IF NOT, THE METER WILL BE INSTALLED TO ALLOW FOR TESTING ONLY AND TURNED OFF UNTIL THE TCO IS ISSUED.
    - SERVICE TAPS ON EXISTING MAINS SHALL BE MADE BY THE CITY, AND FEES PAID BY OWNER.



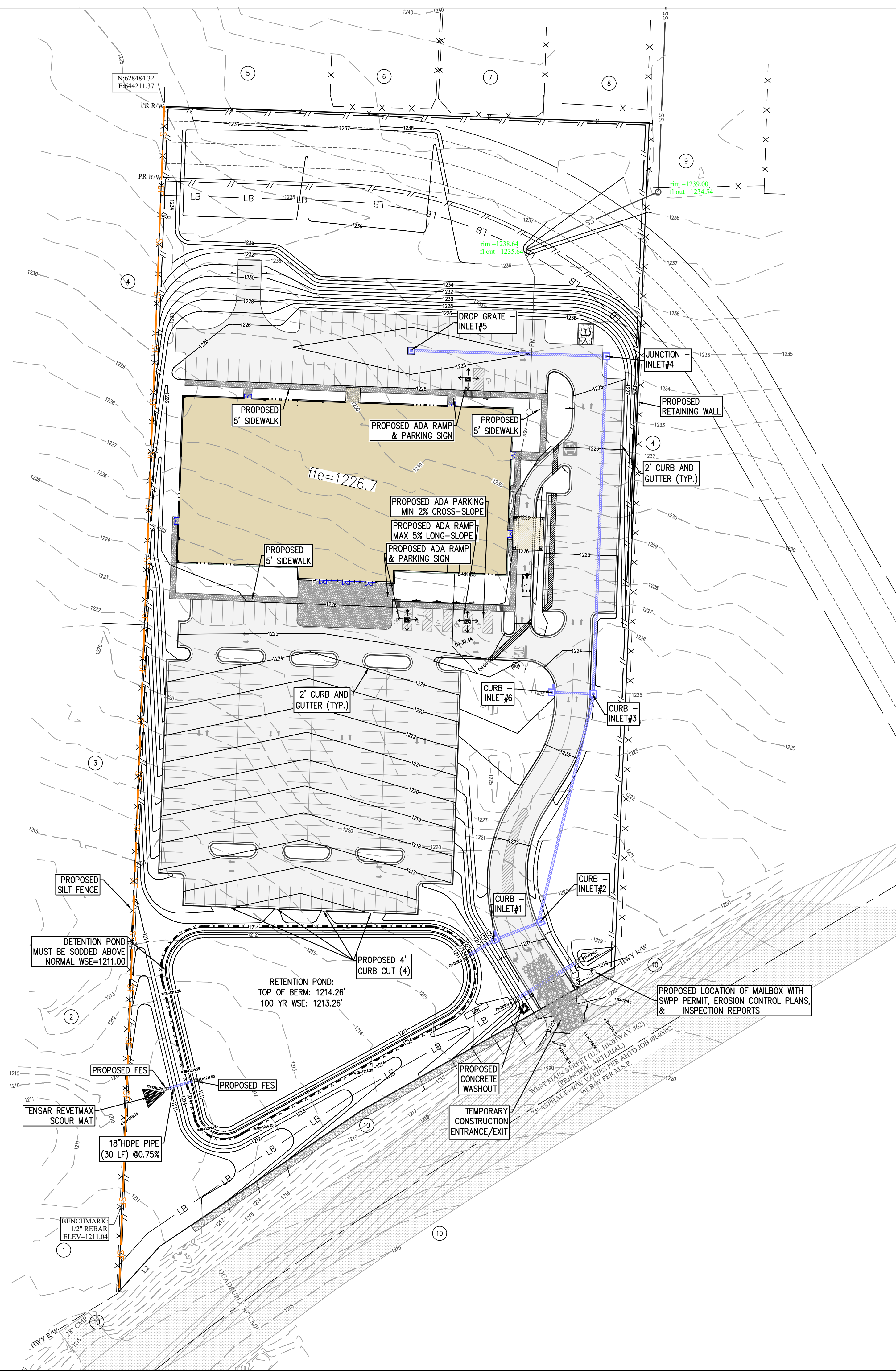
REVISIONS	DATE
1ST SUBMITTAL	10/24/23
2ND SUBMITTAL	11/14/23
WATER & SEWER PROFILE	11/21/23
COF 1ST SUBMITTAL	11/27/23
MOVED ANNOTATIONS	12/04/23
COF 2ND SUBMITTAL	12/13/23

BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
WATERMAIN PLAN & PROFILE  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / batesnwa.com

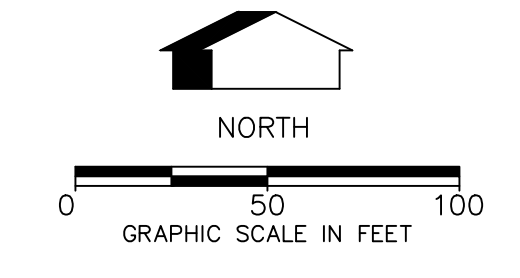
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PROJECT NO. 21-366



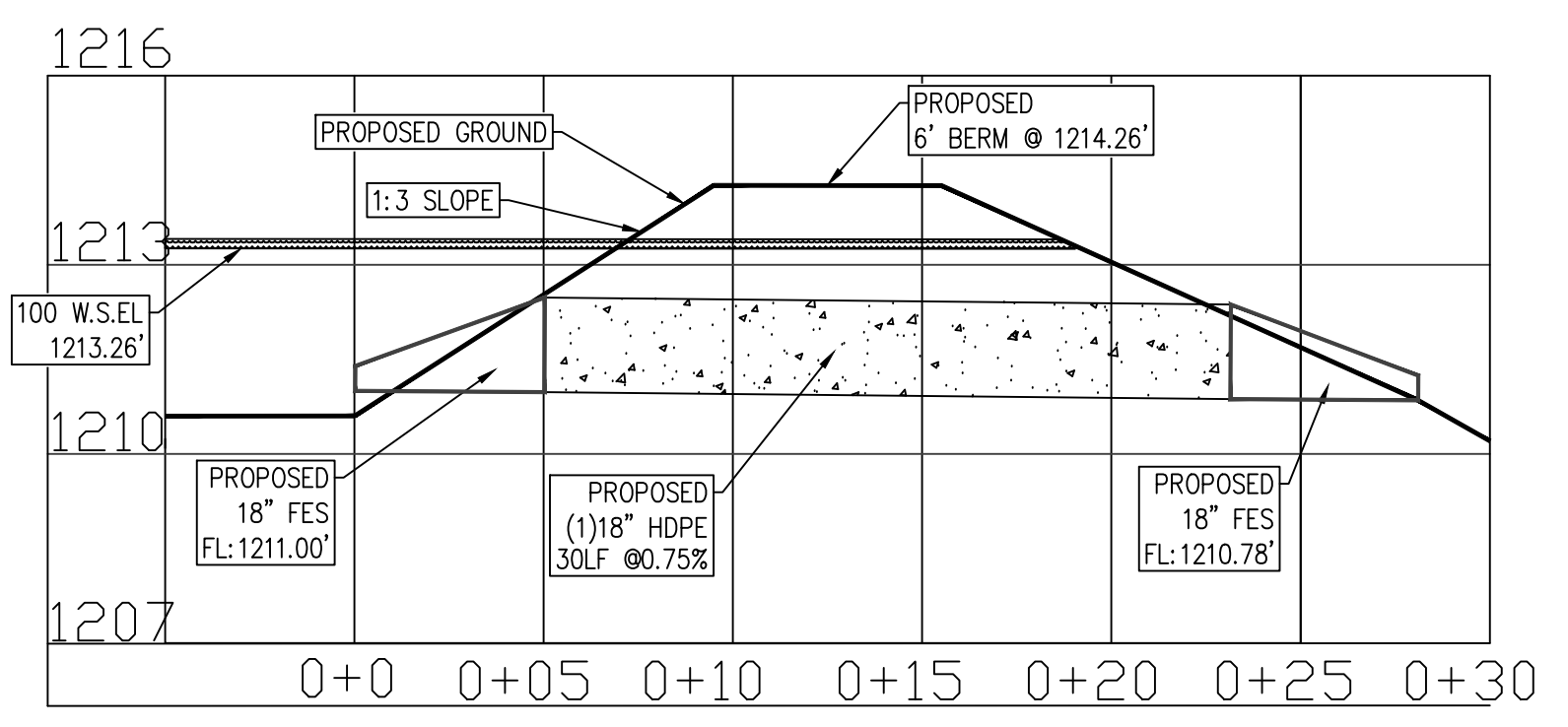
- CONSTRUCTION NOTES:**
1. ALL AREAS UNDER BUILDINGS AND PAVED AREAS SHALL BE STRIPPED OF TOPSOIL. THE RESULTING SUB GRADE SHALL BE THOROUGHLY COMPACTED. ANY SOFT OR YIELDING AREAS SHALL BE STABILIZED OR REMOVED AND REPLACED WITH SUITABLE MATERIAL.
  2. FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER. ALL FILL SHALL BE MADE IN LIFTS NOT EXCEEDING 8" THICKNESS WITH EACH LIFT COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 SLOPE.
  3. ALL GRADED AREAS SHALL HAVE 4" OF TOPSOIL, SOD, EROSION FABRIC, HERBACEOUS GROUND COVER, AND/OR HYDROSEEDING WITH A WARM SEASON GRASS. REVEGETATION SHALL BE IMMEDIATELY AFTER THE PHYSICAL ALTERATION OF THE LAND IS COMPLETE (MAXIMUM OF 15 DAYS).
  4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY GRADING REGULATIONS. SILT FENCES, BERMS, DETENTION PONDS, OR OTHER MEANS NEEDED TO MEET THE CITY GRADING REQUIREMENTS SHALL BE PROVIDED AS REQUIRED TO MEET THESE REGULATIONS.
  5. ALL HEAVILY TRAVELED DIRT AREAS SHALL BE WETTED TO PREVENT EXCESSIVE DUST, DURING CONSTRUCTION.
  6. ALL MUD/DIRT LEFT ON PUBLIC STREETS OR ADJACENT PROPERTIES AS A RESULT OF THIS CONSTRUCTION SHALL BE IMMEDIATELY SHOVELED OR SWEEPED AWAY UNTIL IT IS COMPLETELY REMOVED BY THE CONTRACTOR AND PLACED BACK ON THE SITE.
  7. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY OF FARMINGTON OR THEIR REPRESENTATIVE. 48 HOUR NOTICE IS REQUIRED FOR ALL INSPECTIONS.

- REVEGETATION NOTES:**  
REVEGETATION OF DISTURBED AREAS SHALL BE IN ACCORDANCE THE FOLLOWING:
- PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SUCH AS STREETS, STORM SEWERS, CURB AND GUTTERS, AND OTHER FEATURES FOR CONTROL OF RUNOFF SHALL BE SCHEDULED CONCURRENT TO REMOVING VEGETATIVE COVER FROM THE AREA SO THAT LARGE AREAS ARE NOT LEFT EXPOSED BEYOND THE CAPACITY OF TEMPORARY CONTROL MEASURES.
  - TOP SOIL. TOP SOIL SHALL BE STOCKPILED AND PROTECTED FOR LATER USE ON AREAS REQUIRING LANDSCAPING. IF TOP SOIL OR OTHER SOIL IS TO BE STOCKPILED FOR MORE THAN 30 DAYS, A TEMPORARY COVER OF ANNUAL RYE OR OTHER SUITABLE GRASS SHALL BE PLANTED.
  - EXISTING VEGETATION. EVERY MEANS SHALL BE TAKEN TO CONSERVE AND PROTECT EXISTING VEGETATION.
  - SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL RE-VEGETATION IS ESTABLISHED UNLESS OTHERWISE ALLOWED BY THE CITY.
  - 4:1 TO 3:1 GRADE: THE SLOPE SHALL BE COVERED WITH LANDSCAPE FABRIC AND HYDRO-SEEDING WITH MULCH AND FERTILIZER, OR STAKED SOD, OR GROUND COVER. SAID PLANTING SHALL PROVIDE COMPLETE AND UNIFORM COVERAGE IN NO MORE THAN TWO GROWING SEASONS.

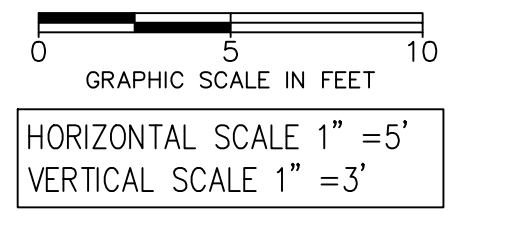


- SEDIMENT & EROSION CONTROL NOTES:**
1. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FROM A.D.E.Q. AND CITY REGARDING RUNOFF, EROSION CONTROL, AND GRADING BEFORE BEGINNING CONSTRUCTION.
  2. CONTRACTOR SHALL POST STORM WATER POLLUTION PREVENTION PLAN.
  3. ALL EROSION & SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED AND OCCASIONALLY REPLACED THROUGHOUT THE CONSTRUCTION PROCESS.
  4. ALL EROSION & SEDIMENT CONTROL DEVICES SHOWN SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS. THOSE ITEMS SHALL REMAIN IN PLACE UNTIL ALL EXCAVATION IS COMPLETE.
  5. THE PROPERTY OWNER OR MAIN CONTRACTOR ONSITE WILL BE RESPONSIBLE FOR RESTORING ALL EROSION AND SEDIMENT CONTROL SYSTEMS AND PUBLIC INFRASTRUCTURE DAMAGE OR DISTURBED BY UNDERGROUND PRIVATE FRANCHISED UTILITY CONSTRUCTION SUCH AS WATER AND SEWER SERVICE LEADS, TELEPHONE, GAS, CABLE, ETC. EROSION AND SEDIMENT CONTROL SYSTEMS MUST BE IMMEDIATELY RESTORED AFTER EACH UTILITY CONSTRUCTION.

**NOTE:**  
THERE ARE NO WET LANDS ON THIS PROPERTY.



WET DETENTION POND PROFILE



ENGINEER: G. BATES  
DRAWN BY: M. WILLIAMS

12-13-2023

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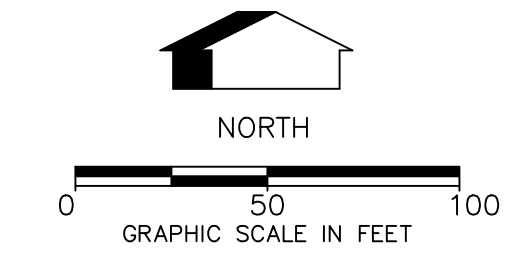
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BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
GRADING PLAN  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
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PROJECT NO: 21-366  
DRAWING NO: 05.0





- SEDIMENT & EROSION CONTROL NOTES:**
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**NOTE:**  
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ENGINEER: G. BATES  
 DRAWN BY: M. WILLIAMS  
 PROJECT NO. 21-366

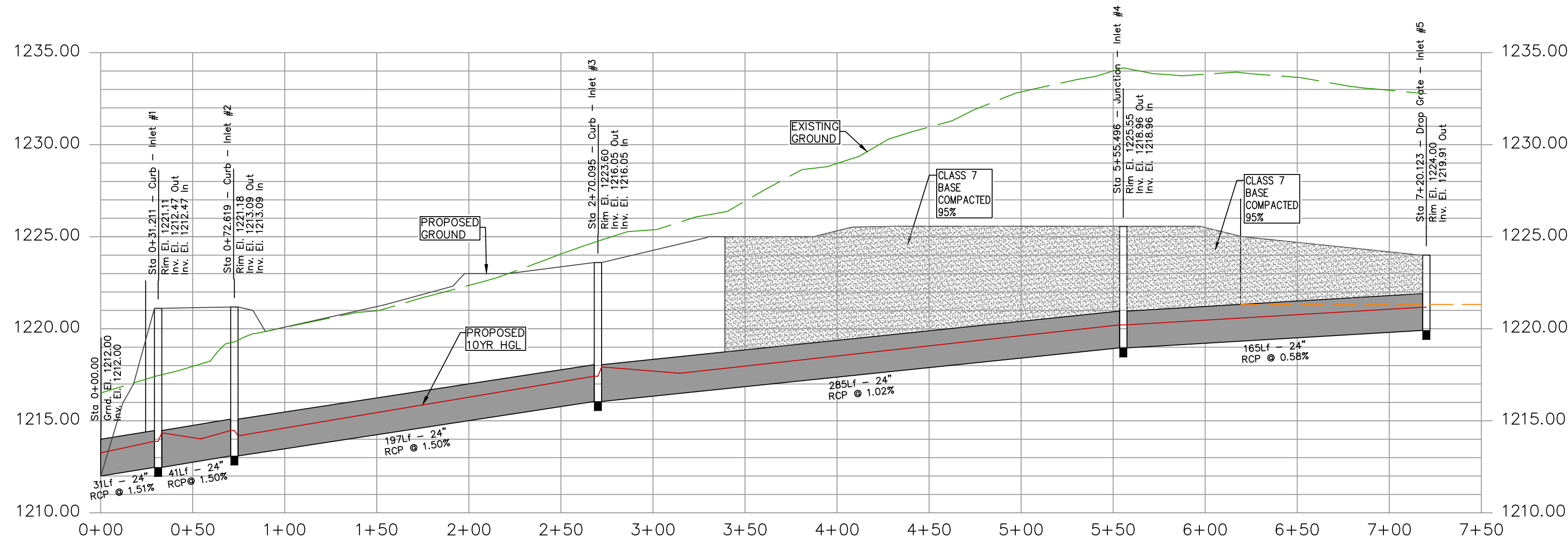
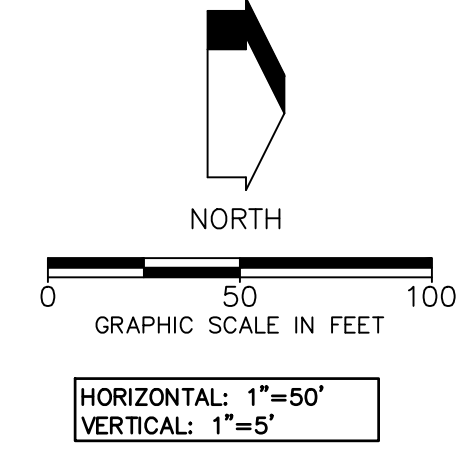
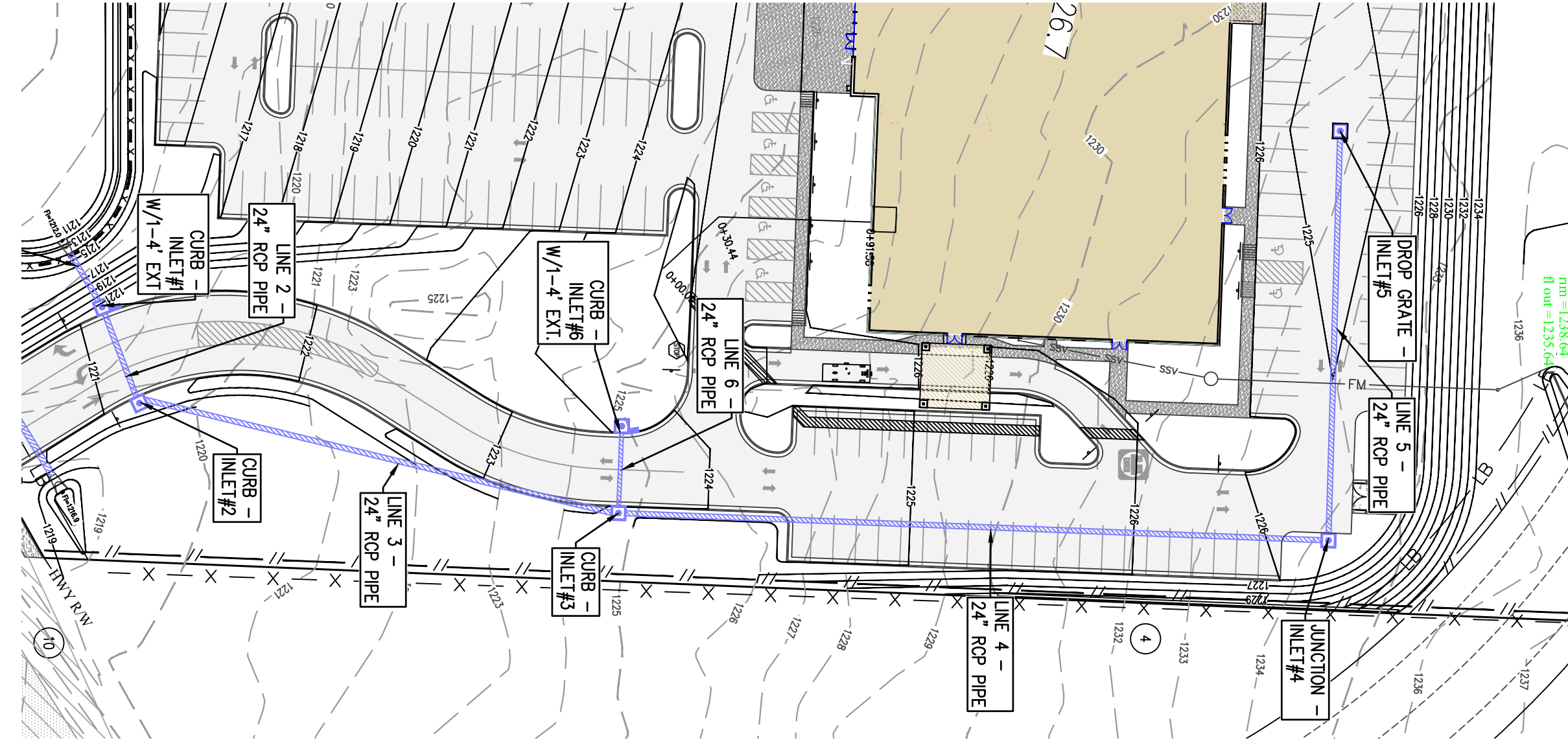
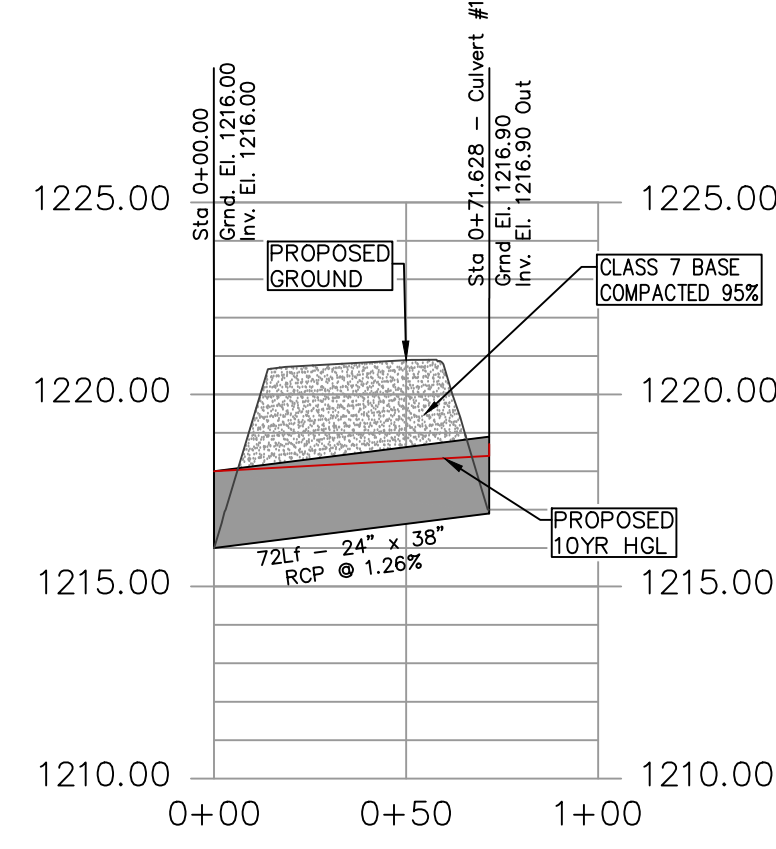
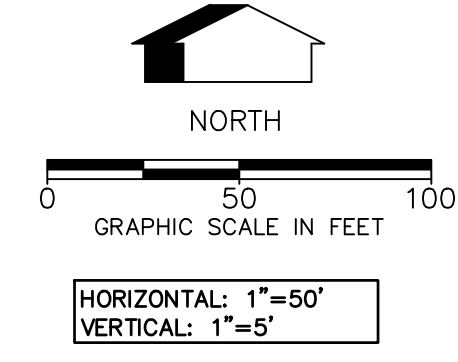
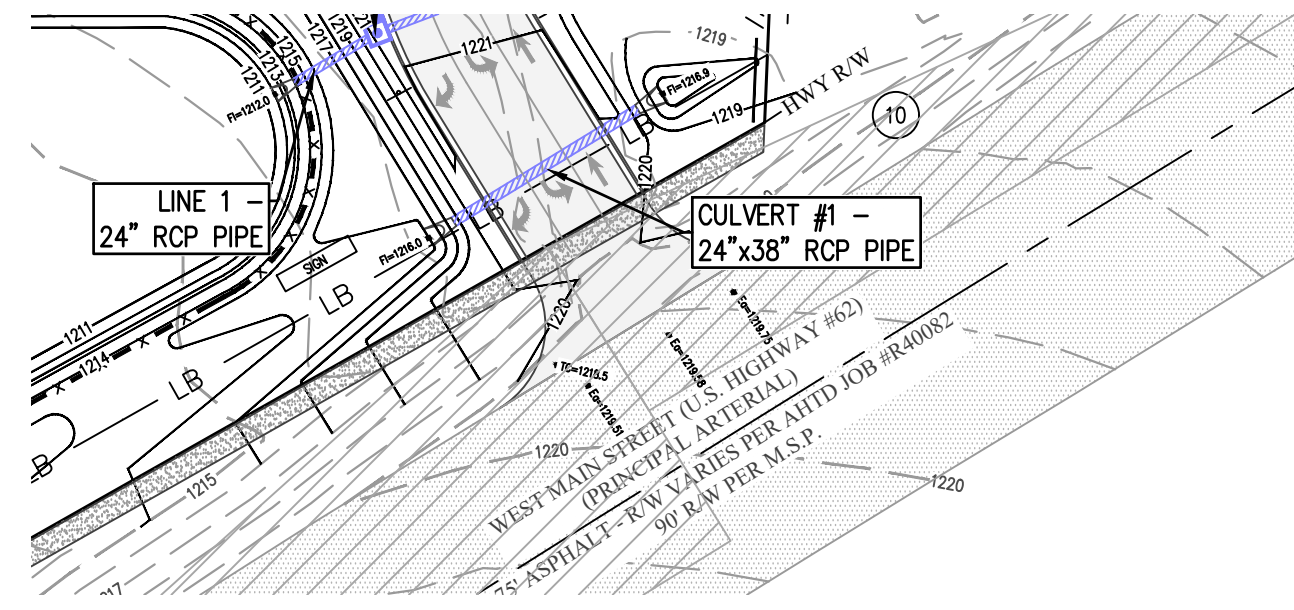
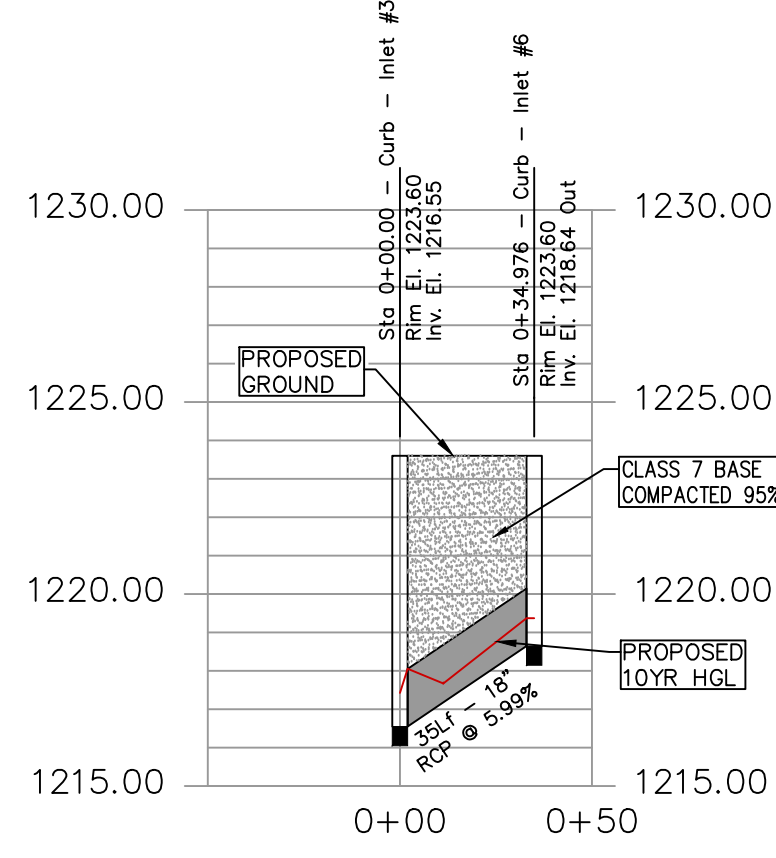
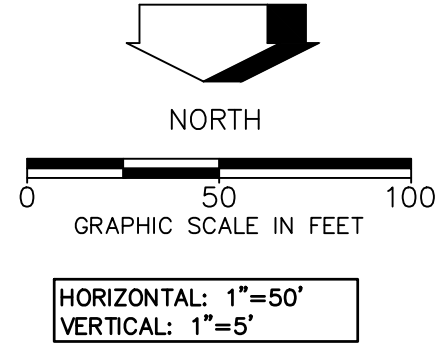
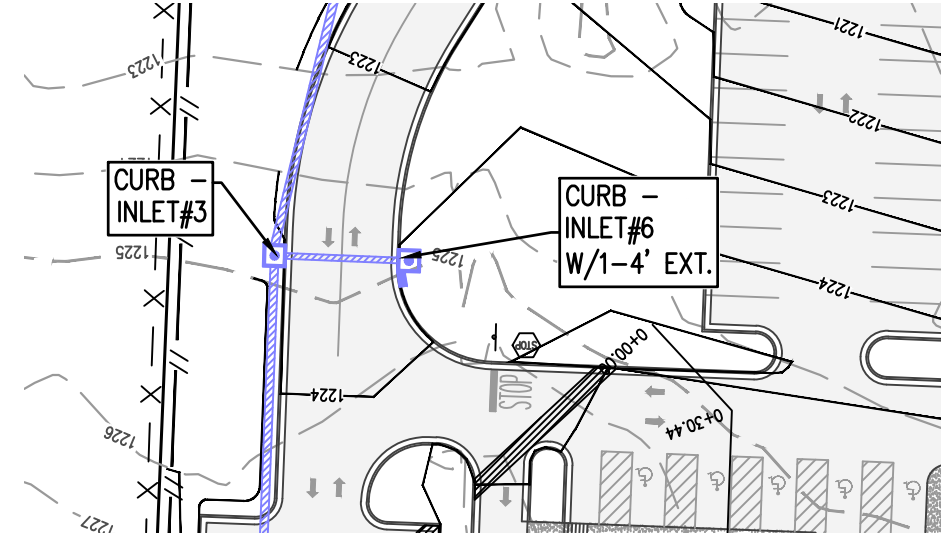
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 #1335  
 ARKANSAS ENGINEER

DATE	REVISIONS
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11/21/23	COF 1ST SUBMITTAL
11/27/23	MOVED ANNOTATIONS
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12/13/23	

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 GRADING PLAN - STORM SEWER PLAN  
 FARMINGTON, ARKANSAS

**BATES**  
 Engineers - Surveyors  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com

DRAWING NO.  
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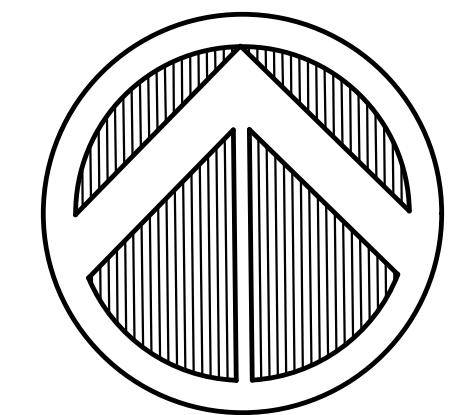
ENGINEER: G. BATES  
 DRAWN BY: M. WILLIAMS  
 PROJECT NO. 21-366  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9810  
 GEOFFREY H. BATES  
 12-13-2023  
 BATES & ASSOCIATES, INC.  
 #1335  
 CERTIFICATE OF AUTHORITY  
 #10101  
 ARKANSAS ENGINEER  
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BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 GRADING PLAN - STORM  
 SEWER PROFILE  
 FARMINGTON, ARKANSAS

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DRAWING NO.  
 05.2



**NORTH**  
 50' 0 50'  
**SCALE 1"=50'**

**GENERAL LANDSCAPE NOTES**

1. ALL PLANT MATERIALS SHALL ARRIVE AT THE SITE WITH MOIST SOIL.
2. CONTRACTORS SHALL HAVE UNDERGROUND UTILITIES LOCATED, LEGIBLY MARKED, AND SHALL REPAIR ANY AND ALL DAMAGE WHICH MAY OCCUR AS A RESULT OF LANDSCAPE INSTALLATION. UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATED, AND SHOULD BE VERIFIED ON THE CIVIL UTILITY PLAN AND IN THE FIELD.
3. UNDER NO CIRCUMSTANCES WILL LANDSCAPE WORK BE APPROVED FOR PAYMENT IF PLANT SIZE AND GENERAL HEALTH ARE NOT AS REQUIRED ON PLAN.
4. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED ON PLANT LIST.
5. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS AS SPECIFIED.
6. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE OWNER BEFORE, DURING AND AFTER INSTALLATION.
7. THE LANDSCAPE ARCHITECT MUST APPROVE ANY ALTERATIONS OR REVISIONS TO THE LANDSCAPE PLAN.
8. THE CONTRACTOR SHALL PROTECT EXISTING FEATURES ON SITE.
9. ALL DISTURBED LANDSCAPED AREAS NOT DESIGNATED TO BE SOODED SHALL BE SEEDED WITH A GRASS SEED MIX OF 75% PERENNIAL RYE AND 25% BERMUDA GRASS SEED AT A RATE OF 4# PER 1000 SF.
10. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THESE PLANS, BEFORE PRICING THE WORK.
11. THE LANDSCAPE CONTRACTOR SHALL FULLY MAINTAIN ALL PLANTING, INCLUDING BUT NOT LIMITED TO WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF PLANTING AREAS AND LAWNS FOR 90 DAYS AFTER SUBSTANTIAL COMPLETION.
12. ONCE INSTALLED, LANDSCAPING SHALL BE MAINTAINED IN HEALTHY LIVING CONDITION AND ALL PLANT MATERIAL THAT DIES SHALL BE REPLACED.
13. HEALTHY TREES SHALL NOT BE REMOVED AT ANY TIME AND PROPER TREE PRUNING TECHNIQUES AS ESTABLISHED BY THE LATEST EDITION OF ANSI A300 "STANDARDS FOR TREE CARE" SHALL BE UTILIZED FOR MAINTENANCE PURPOSES.
14. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FINISHED GRADING ALL LANDSCAPE PARKING ISLANDS, FINISHED GRADE IN ISLANDS IS TO BE CROWNED APPROXIMATELY 1" TO 1 1/2" ABOVE THE TOP OF CURB. SOIL IN ISLANDS IS TO BE FREE OF UNSUITABLE MATERIAL AND DEBRIS I.E. GRAVEL OR ASPHALT.
15. IF CONTRACTOR IS UNABLE TO DO PLANT FITS TO A DEPTH THAT WILL PROVIDE THE AREA OF SOIL AROUND THE ROOT BALL DUE TO ROCK, CONTACT ARCHITECT, CIVIL ENGINEER, AND CITY HORTICULTURIST IMMEDIATELY.
16. NO PROPOSED IRRIGATION SYSTEM - HOSE BIBS ARE LOCATED ON THE EXTERIOR WALLS OF THE BUILDING AND ARE WITHIN 10' OF ALL PLANT MATERIAL.
17. ALL PROPOSED TREES SHALL BE A MINIMUM OF 5' FROM ALL PUBLIC UTILITIES.
18. TREES SHALL NOT BE TOPPED AT ANY TIME AND PROPER TREE PRUNING TECHNIQUES AS ESTABLISHED BY THE LATEST EDITION OF ANSI A300 "STANDARDS FOR TREE CARE" SHALL BE UTILIZED FOR MAINTENANCE PURPOSES.
19. THERE CANNOT BE ANYTHING BETWEEN 3' AND 6' IN HEIGHT WITHIN THE SIGHT TRIANGLE.
20. WHERE POTENTIAL UTILITY CONFLICTS WITH LANDSCAPING, UTILITY LOCATIONS SHALL BE FIELD VERIFIED.

**LANDSCAPE REQUIREMENTS**

<b>TOTAL SITE AREA:</b>	345,300 SF
<b>STREET BUFFER</b>	
FRONTAGE LENGTH:	498 LF
STREET TREES REQUIRED:	14 TREES (1 PER 35 LF OF FRONTAGE, 498 LF TOTAL)
STREET TREES PROVIDED:	14 TREES
SHRUBS REQUIRED:	43 SHRUBS (1 PER 35 LF OF FRONTAGE, 498 LF TOTAL)
STREET TREES PROVIDED:	76 SHRUBS PROVIDED
<b>WEST SIDE PERIMETER BUFFER</b>	
BUFFER TREES REQUIRED:	29 TREES (1 PER 35 LF OF PERIMETER, 1,002 LF TOTAL)
BUFFER TREES PROVIDED:	29 TREES
SHRUBS REQUIRED:	86 SHRUBS (1 PER 35 LF OF PERIMETER, 1,002 LF TOTAL)
STREET TREES PROVIDED:	86 SHRUBS PROVIDED
6' OPAQUE WOODEN FENCE	WOOD FENCE PROVIDED
<b>EAST SIDE PERIMETER BUFFER</b>	
BUFFER TREES REQUIRED:	20 TREES (1 PER 35 LF OF PERIMETER, 714 LF TOTAL)
BUFFER TREES PROVIDED:	20 TREES
SHRUBS REQUIRED:	61 SHRUBS (1 PER 35 LF OF PERIMETER, 714 LF TOTAL)
STREET TREES PROVIDED:	98 SHRUBS PROVIDED
6' OPAQUE WOODEN FENCE	6' FENCE PROVIDED
<b>NORTH SIDE PERIMETER BUFFER</b>	
BUFFER TREES REQUIRED:	12 TREES (1 PER 35 LF OF PERIMETER, 409 LF TOTAL)
BUFFER TREES PROVIDED:	12 TREES
SHRUBS REQUIRED:	35 SHRUBS (1 PER 35 LF OF PERIMETER, 409 LF TOTAL)
STREET TREES PROVIDED:	35 SHRUBS PROVIDED
6' OPAQUE WOODEN FENCE	6' FENCE PROVIDED
<b>FOUNDATION PLANTINGS</b>	
25% OF FRONT BUILDING FACADE SHALL HAVE LANDSCAPING	25% LANDSCAPING PROVIDED
<b>PARKING LOT LANDSCAPING</b>	
1 TREE PER LANDSCAPED ISLAND	1 TREE PER ISLAND PROVIDED
60% SCREENING AT ADJACENT RESIDENTIAL LOTS REQUIRED	SCREENING PROVIDED

\*TOTAL INCLUDES EXISTING TREES

ENGINEER: G. BATES  
 DRAWN BY: JWC

12/1/2023  
**LANDTEK STUDIOS**  
 2903 SWEETBRIAR DR.  
 FAYETTEVILLE, AR 72703  
 PH# 479.293.9211

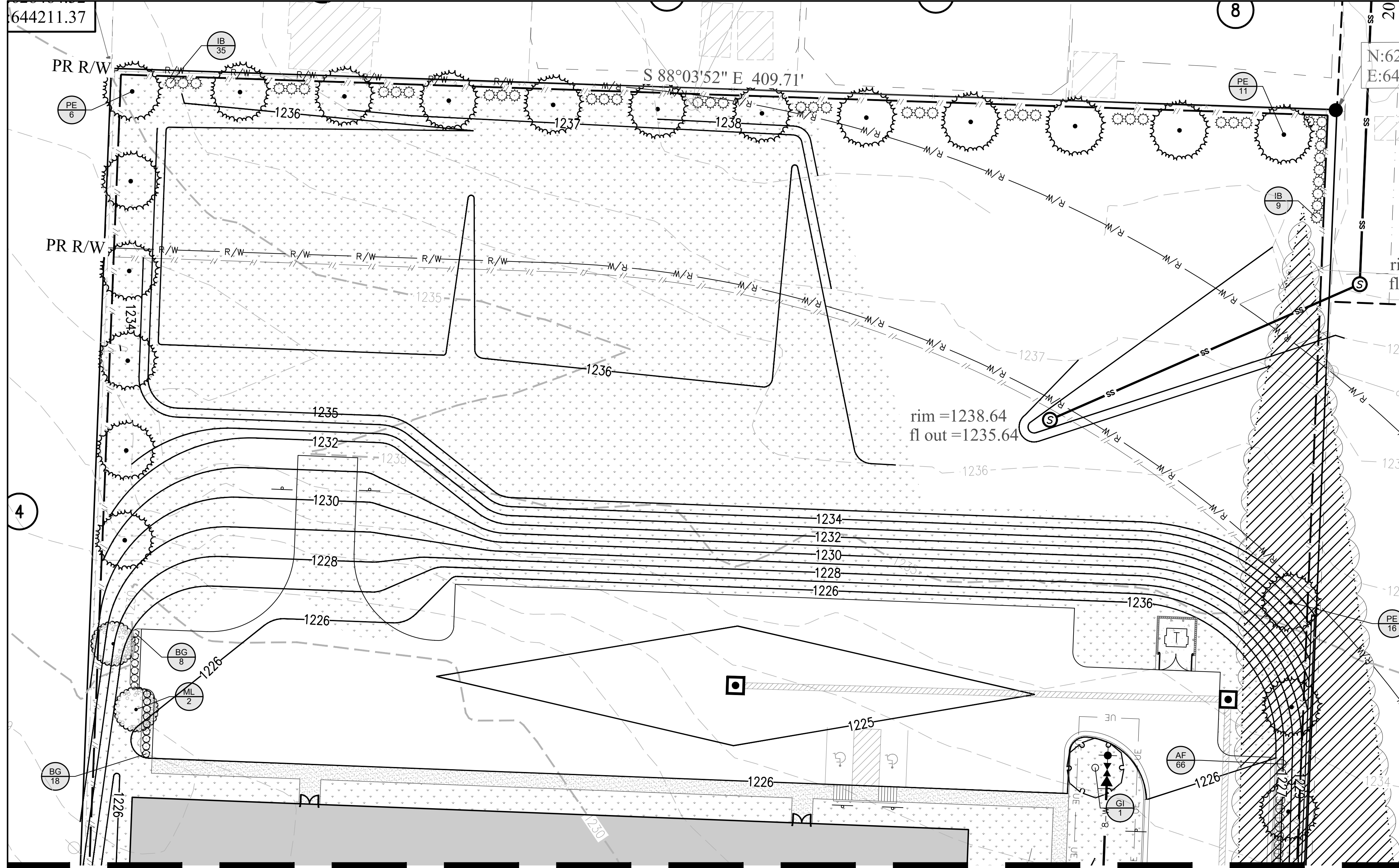
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**BRAND NEW CHURCH**  
**LARGE SCALE DEVELOPMENT PLANS**  
**OVERALL LANDSCAPE PLAN**  
**FARMINGTON, ARKANSAS**

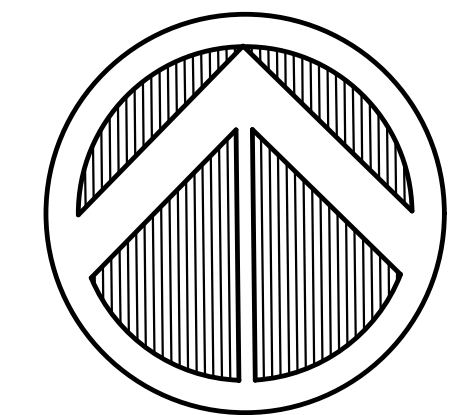
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**Engineers - Surveyors**  
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PROJECT NO. 21-366  
 DRAWING NO.  
**L-100**

644211.37



MATCHLINE - SEE SHEET L-102



NORTH  
 20' 0 20'  
 SCALE 1"=20'

ENGINEER: G. BATES  
 DRAWN BY: JWC  
 12/1/2023  
 LANDTEK STUDIOS  
 2903 SWEETBRIAR DR.  
 FAYETTEVILLE, AR 72703  
 PH# 479.293.9721  
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BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 LANDSCAPE PLAN  
 FARMINGTON, ARKANSAS

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DRAWING NO.  
 L-101

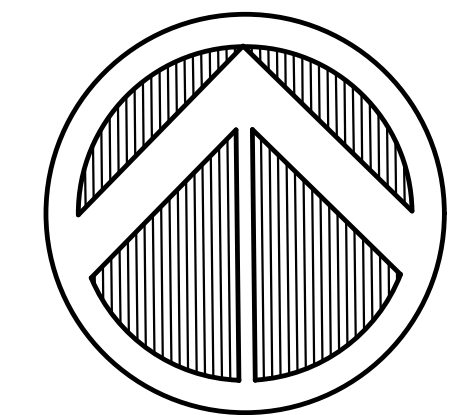
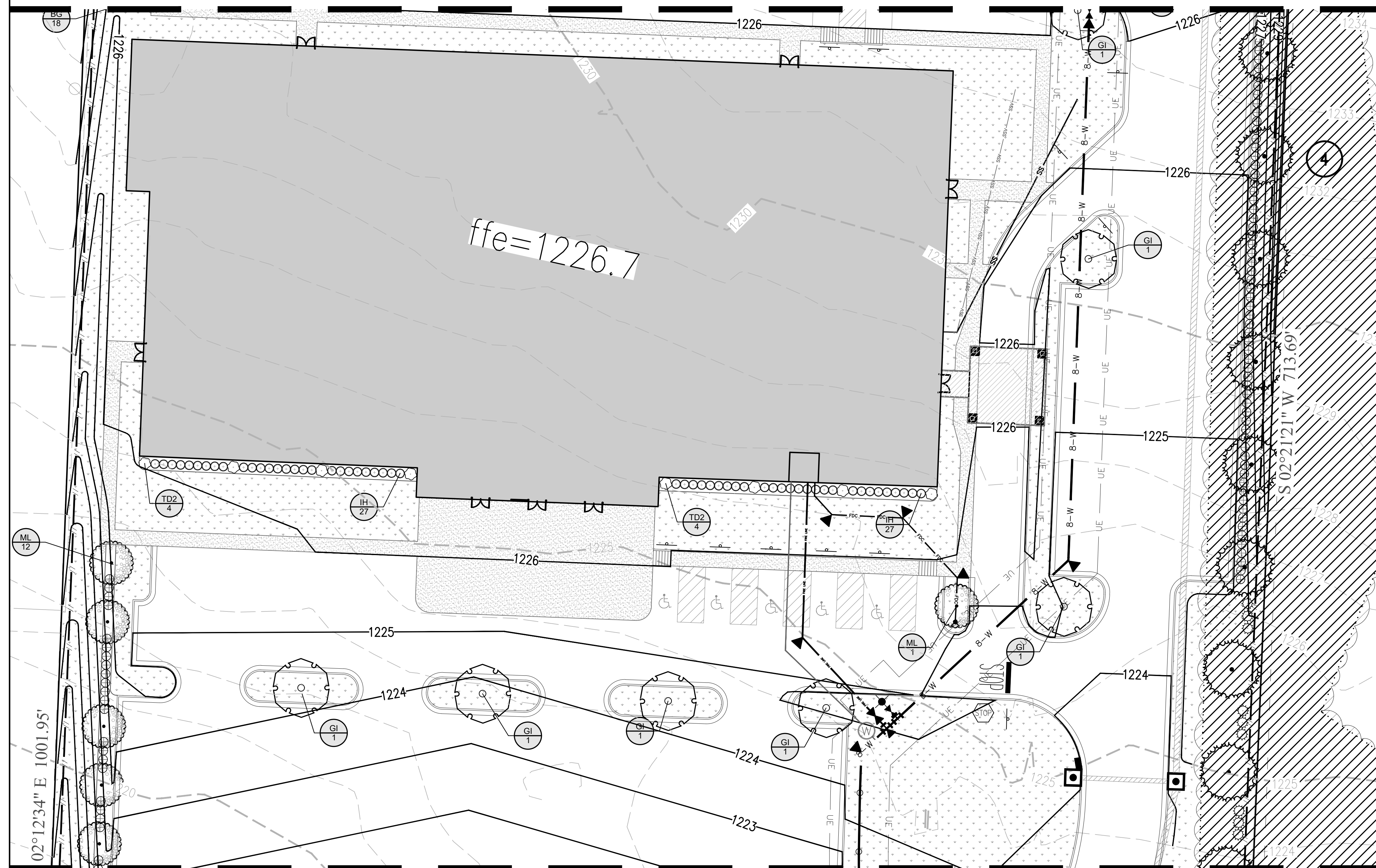
PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER	ROOT	HEIGHT	QTY	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY
<b>EVERGREEN TREES</b>							<b>SHRUBS</b>						
	ML	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	2.5" Cal.	B&B or Cont.	8' min.	15		AF	Abelia x grandiflora 'Francis Mason' / Francis Mason Abelia	3 gal.	Cont.	36" o.c.	114
	PE	Pinus echinata / Short Leaf Pine	2.5" Cal.	B&B or Cont.	8' min.	42		BG	Buxus x 'Green Mound' / Green Mound Boxwood	3 gal.	Cont.	30" o.c.	26
<b>SHADE TREES</b>								IB	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	3 gal.	Cont.	48" o.c.	184
	GI	Gleditsia triacanthos inermis 'Skycole' / Skyline® Honey Locust	2.5" Cal.	B&B or Cont.	8' min.	18		IH	Ilex crenata 'Helleri' / Heler Japanese Holly	3 gal.	Cont.	36" o.c.	54
	RO	Quercus rubra / Red Oak	2.5" Cal.	B&B or Cont.	8' min.	9		TD2	Thuja occidentalis 'Degroot's Spire' / Degroot's Spire Arborvitae	5 gal.	Cont.	48" o.c.	8
							<b>SOD/SEED</b>	CT	Cynodon dactylon 'Tif 419' / Bermuda Grass				153,712 sf

PROJECT NO. 21-386

MATCHLINE - SEE SHEET L-101

MATCHLINE - SEE SHEET L-103



**NORTH**  
 20' 0 20'  
**SCALE 1"=20'**

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER	ROOT	HEIGHT	QTY	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY
<b>EVERGREEN TREES</b>							<b>SHRUBS</b>						
	ML	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	2.5" Cal.	B&B or Cont.	8' min.	15		AF	Abelia x grandiflora 'Francis Mason' / Francis Mason Abelia	3 gal.	Cont.	36" o.c.	114
	PE	Pinus echinata / Short Leaf Pine	2.5" Cal.	B&B or Cont.	8' min.	42		BG	Buxus x 'Green Mound' / Green Mound Boxwood	3 gal.	Cont.	30" o.c.	26
<b>SHADE TREES</b>								IB	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	3 gal.	Cont.	48" o.c.	184
	GI	Gleditsia triacanthos inermis 'Skycole' / Skyline® Honey Locust	2.5" Cal.	B&B or Cont.	8' min.	18		IH	Ilex crenata 'Helleri' / Heler Japanese Holly	3 gal.	Cont.	36" o.c.	54
	RO	Quercus rubra / Red Oak	2.5" Cal.	B&B or Cont.	8' min.	9		TD2	Thuja occidentalis 'Degroot's Spire' / Degroot's Spire Arborvitae	5 gal.	Cont.	48" o.c.	8
							<b>SYMBOL</b>	<b>CODE</b>	<b>BOTANICAL / COMMON NAME</b>				<b>QTY</b>
								CT	Cynodon dactylon 'Tif 419' / Bermuda Grass				153,712 sf

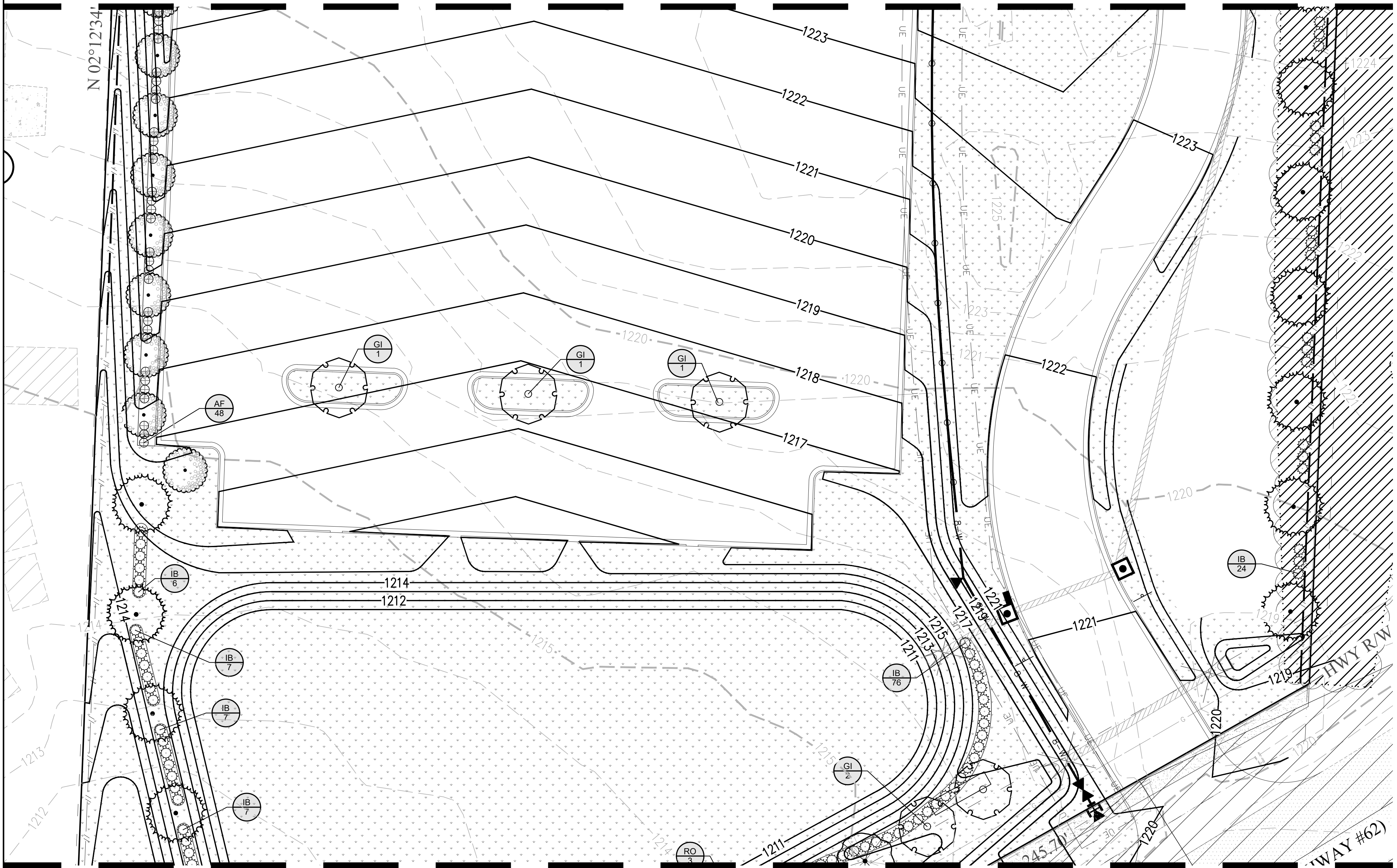
ENGINEER: G. BATES  
 DRAWN BY: JWC  
  
 12/1/2023  
**LANDTEK STUDIOS**  
 2903 SWEETBRIAR DR.  
 FAYETTEVILLE, AR 72703  
 PH# 479.283.9721  
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REVISIONS	DATE
1ST SUBMITTAL	10/24/23
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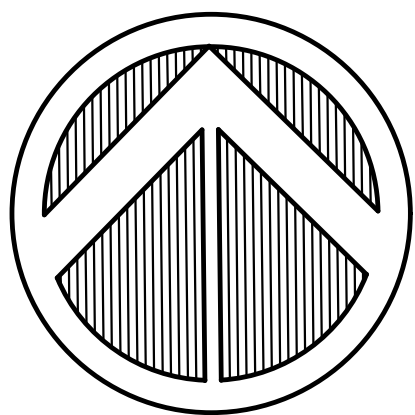
**BRAND NEW CHURCH**  
**LARGE SCALE DEVELOPMENT PLANS**  
**LANDSCAPE PLAN**  
**FARMINGTON, ARKANSAS**

**BATES**  
**Engineers - Surveyors**  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com

MATCHLINE - SEE SHEET L-102



MATCHLINE - SEE SHEET L-104



NORTH  
 20' 0 20'  
 SCALE 1"=20'

ENGINEER: G. BATES  
 DRAWN BY: JWC  
 12/1/2023  
 LANDTEK STUDIOS  
 2903 SWEETBRIAR DR.  
 FAYETTEVILLE, AR 72703  
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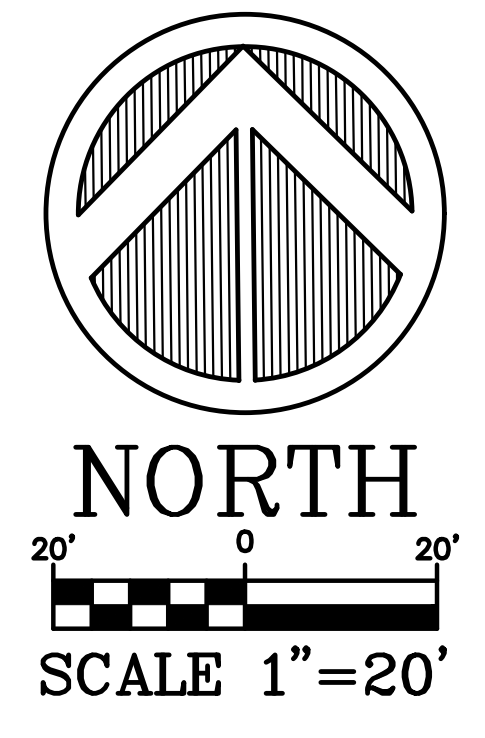
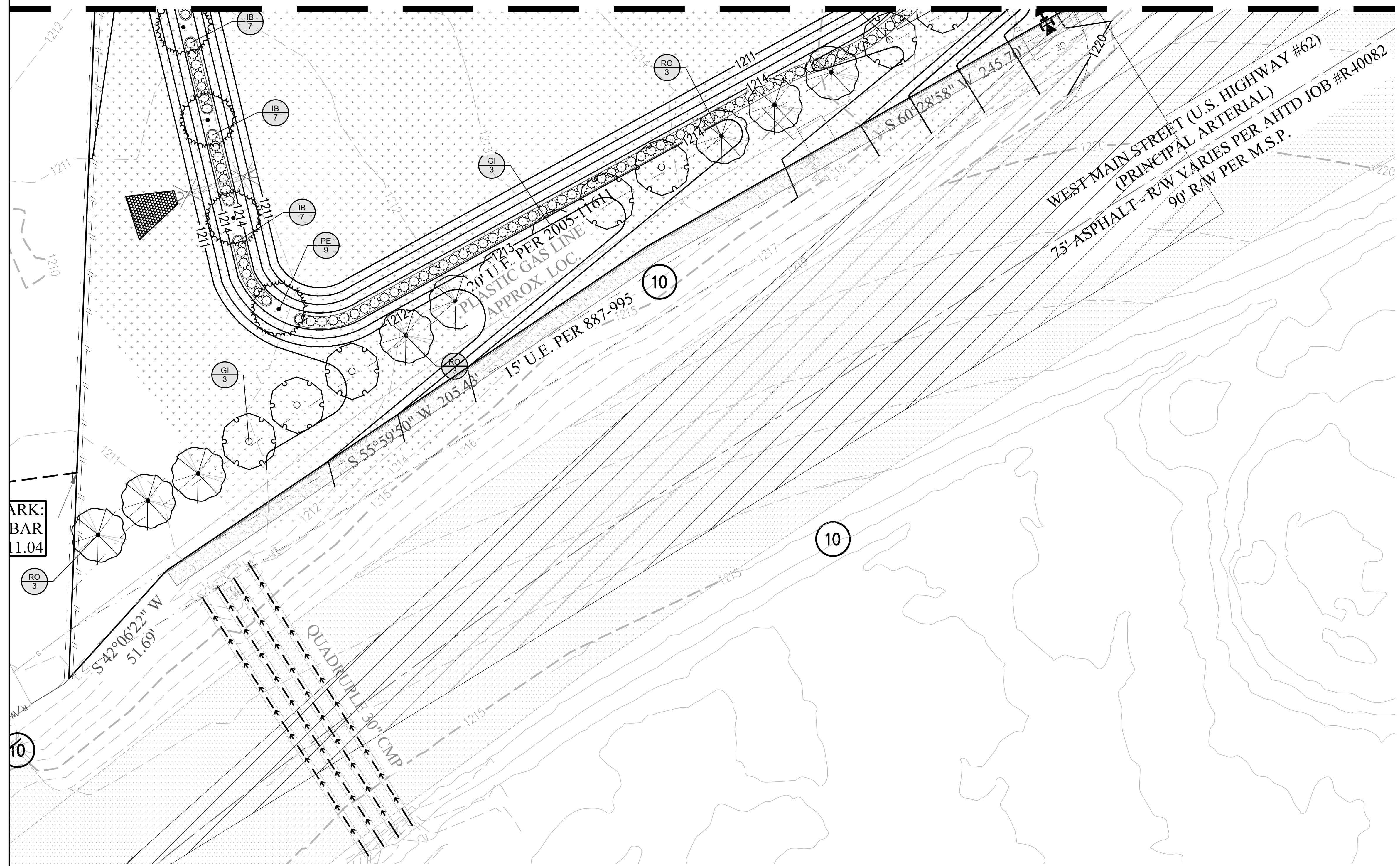
BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 LANDSCAPE PLAN  
 FARMINGTON, ARKANSAS

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DRAWING NO.  
**L-103**

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER	ROOT	HEIGHT	QTY	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY
<b>EVERGREEN TREES</b>							<b>SHRUBS</b>						
	ML	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	2.5" Cal.	B&B or Cont.	8' min.	15		AF	Abelia x grandiflora 'Francis Mason' / Francis Mason Abelia	3 gal.	Cont.	36" o.c.	114
	PE	Pinus echinata / Short Leaf Pine	2.5" Cal.	B&B or Cont.	8' min.	42		BG	Buxus x 'Green Mound' / Green Mound Boxwood	3 gal.	Cont.	30" o.c.	26
<b>SHADE TREES</b>								IB	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	3 gal.	Cont.	48" o.c.	184
	GI	Gleditsia triacanthos inermis 'Skycole' / Skyline® Honey Locust	2.5" Cal.	B&B or Cont.	8' min.	18		IH	Ilex crenata 'Helleri' / Heler Japanese Holly	3 gal.	Cont.	36" o.c.	54
	RO	Quercus rubra / Red Oak	2.5" Cal.	B&B or Cont.	8' min.	9		TD2	Thuja occidentalis 'Degroot's Spire' / Degroot's Spire Arborvitae	5 gal.	Cont.	48" o.c.	8
							<b>SYMBOL</b>	<b>CODE</b>	<b>BOTANICAL / COMMON NAME</b>				<b>QTY</b>
								CT	Cynodon dactylon 'Tif 419' / Bermuda Grass				153,712 sf

PROJECT NO. 21-386



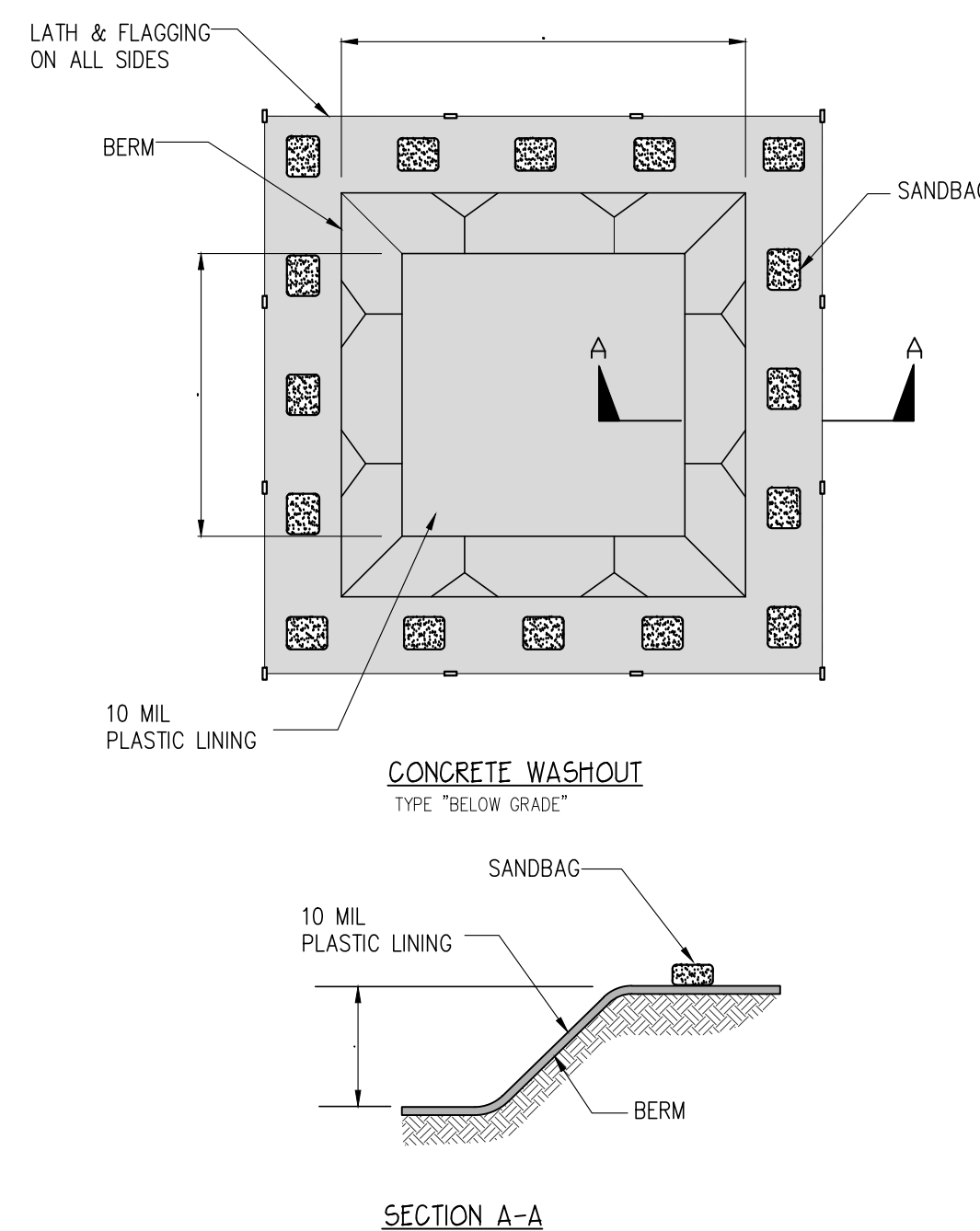
ENGINEER: G. BATES  
 DRAWN BY: JWC  
 12/1/2023  
 LANDTEK STUDIOS  
 2903 SWEETBRIAR DR.  
 FAYETTEVILLE, AR 72703  
 PH# 479.283.9721  
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REVISIONS	DATE
1ST SUBMITTAL	10/24/23
2ND SUBMITTAL	11/14/23

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 LANDSCAPE PLAN  
 FARMINGTON, ARKANSAS

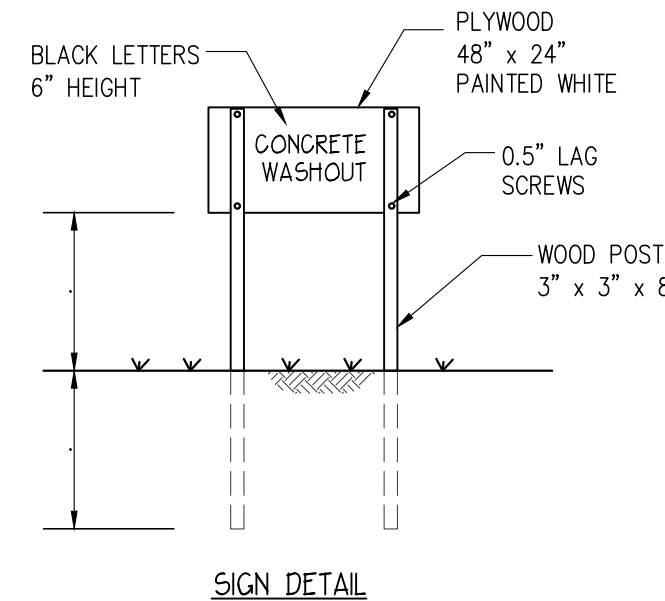
**BATES**  
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 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / batesnwa.com

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER	ROOT	HEIGHT	QTY	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY
<b>EVERGREEN TREES</b>													
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	PE	Pinus echinata / Short Leaf Pine	2.5" Cal.	B&B or Cont.	8' min.	42		AF	Abelia x grandiflora 'Francis Mason' / Francis Mason Abelia	3 gal.	Cont.	36" o.c.	114
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	RO	Quercus rubra / Red Oak	2.5" Cal.	B&B or Cont.	8' min.	9		IB	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	3 gal.	Cont.	48" o.c.	184
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							<b>SYMBOL</b>	<b>CODE</b>	<b>BOTANICAL / COMMON NAME</b>				<b>QTY</b>
								CT	Cynodon dactylon 'Tif 419' / Bermuda Grass				153,712 sf



- NOTES**
- NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
  - EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
  - 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.
  - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
  - 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.
  - WASHOUT FACILITIES WILL BE CLEANED OUT ONCE THE WASHOUT IS 75% FULL.
  - PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
  - WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

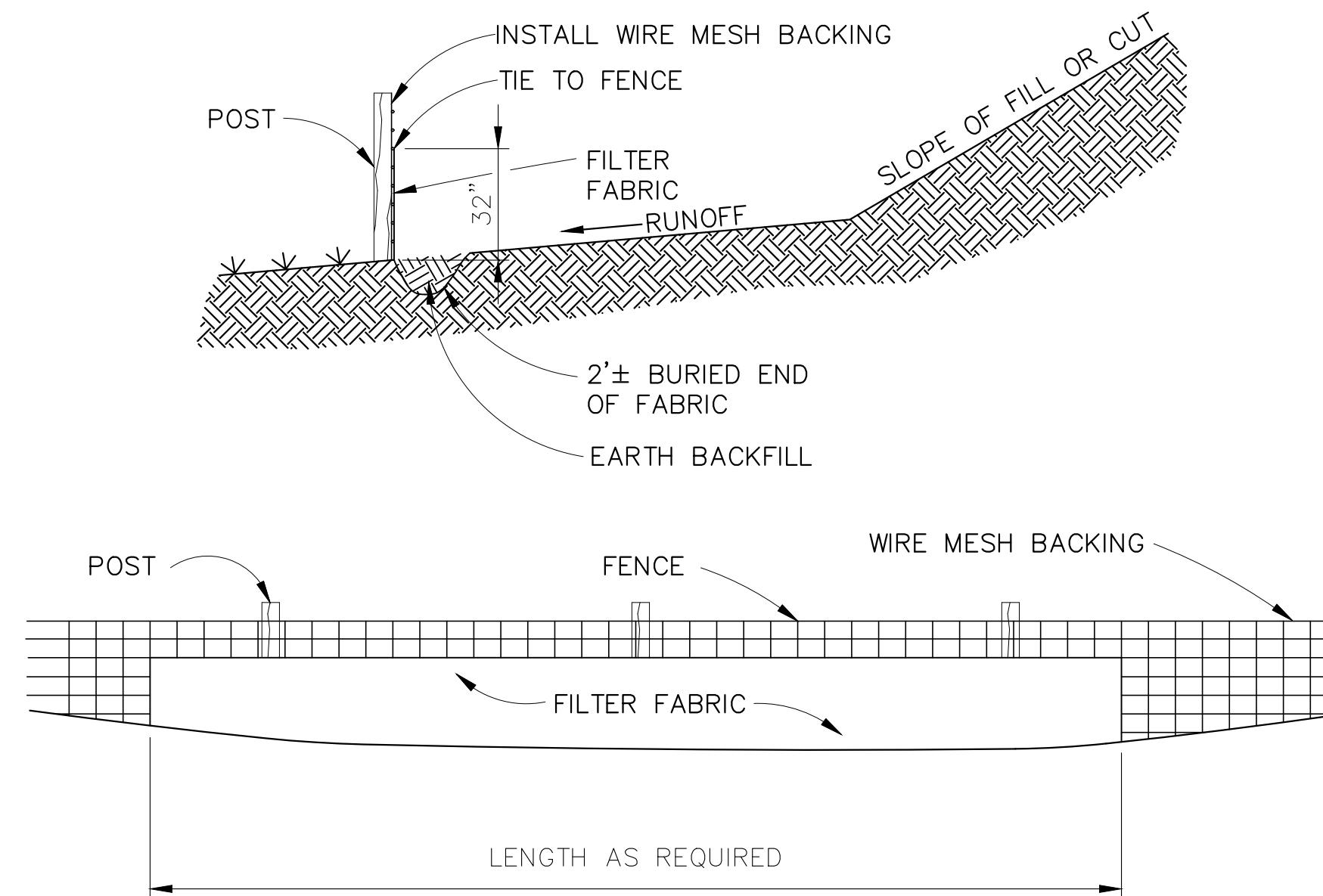
**CONCRETE WASHOUT**  
TYPE "BELOW GRADE"



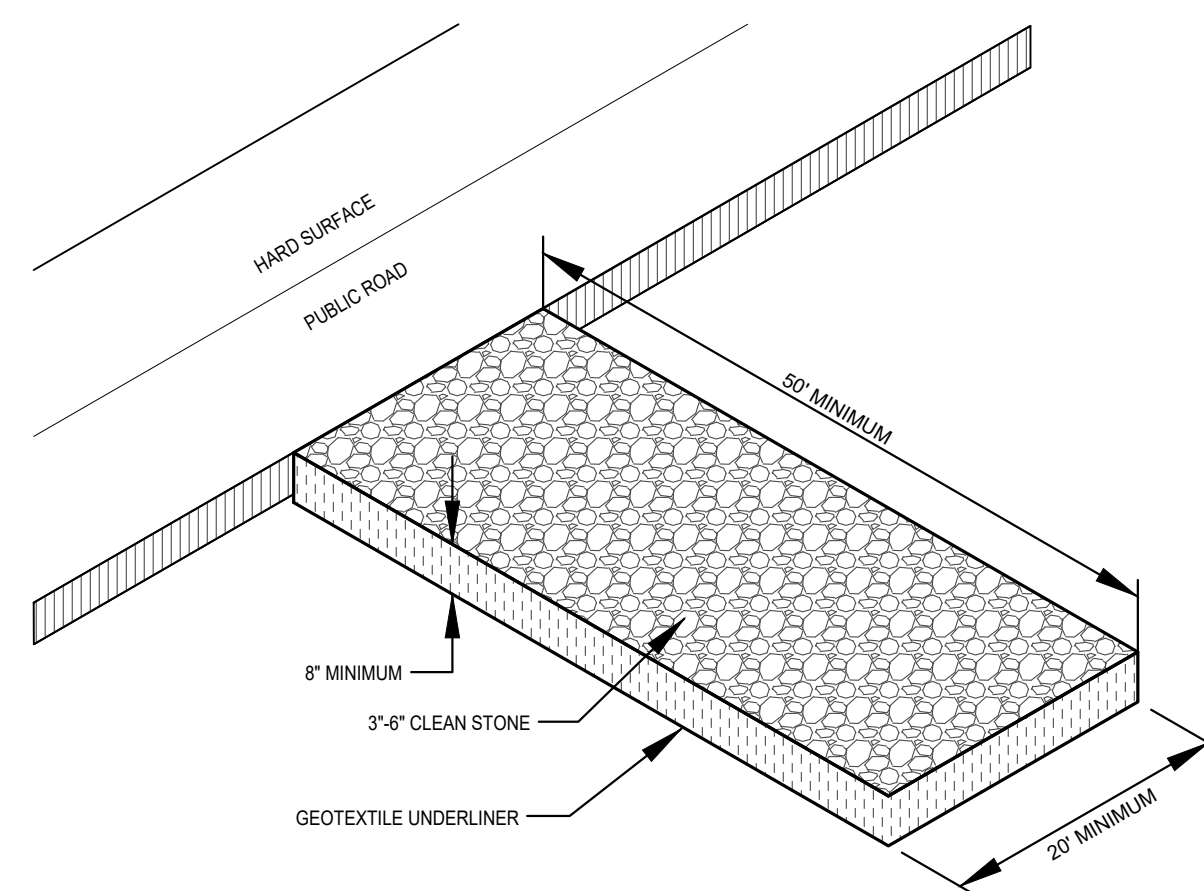
**SIGN DETAIL**

**SECTION A-A**

**CONCRETE WASTE MANAGEMENT DETAIL**  
N.T.S.



**FILTER FABRIC BARRIER (SILT FENCE)**  
N.T.S.



**CONSTRUCTION EXIT NOTES**

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

**CONSTRUCTION EXIT**  
N.T.S.

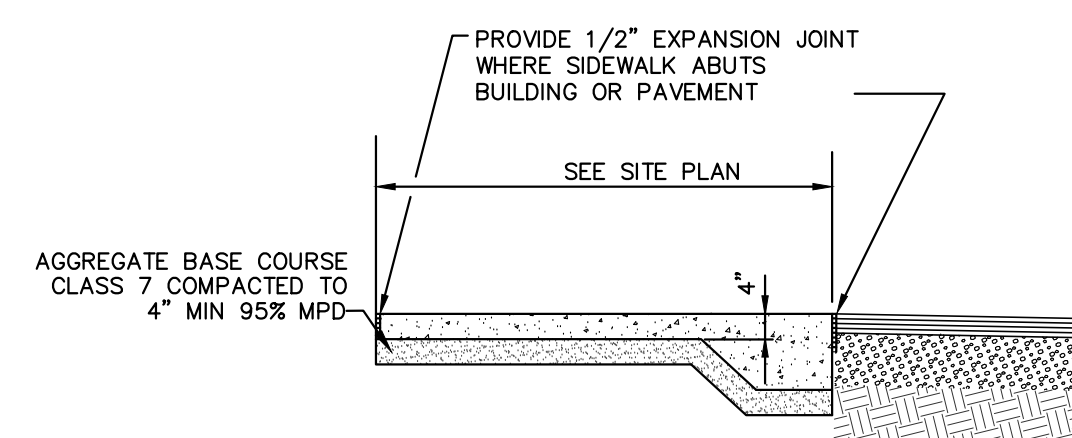
**SIDEWALK NOTES**

ALL SIDEWALK SHALL BE CONSTRUCTED OF PORTLAND CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI WHEN TESTED. ALL CONCRETE SHALL CONTAIN AN AIR ENTRAINING AGENT WHICH PRODUCES FIVE PERCENT PLUS OR MINUS TWO PERCENT AIR ENTRAINMENT IN THE CONCRETE.

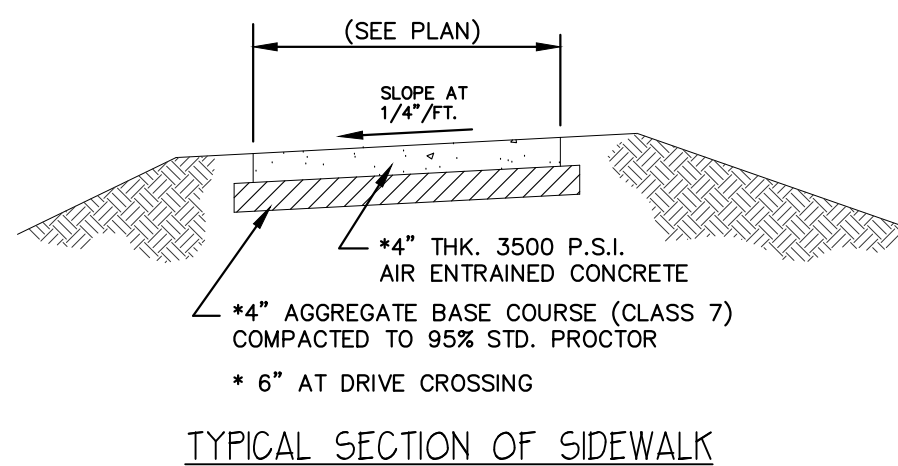
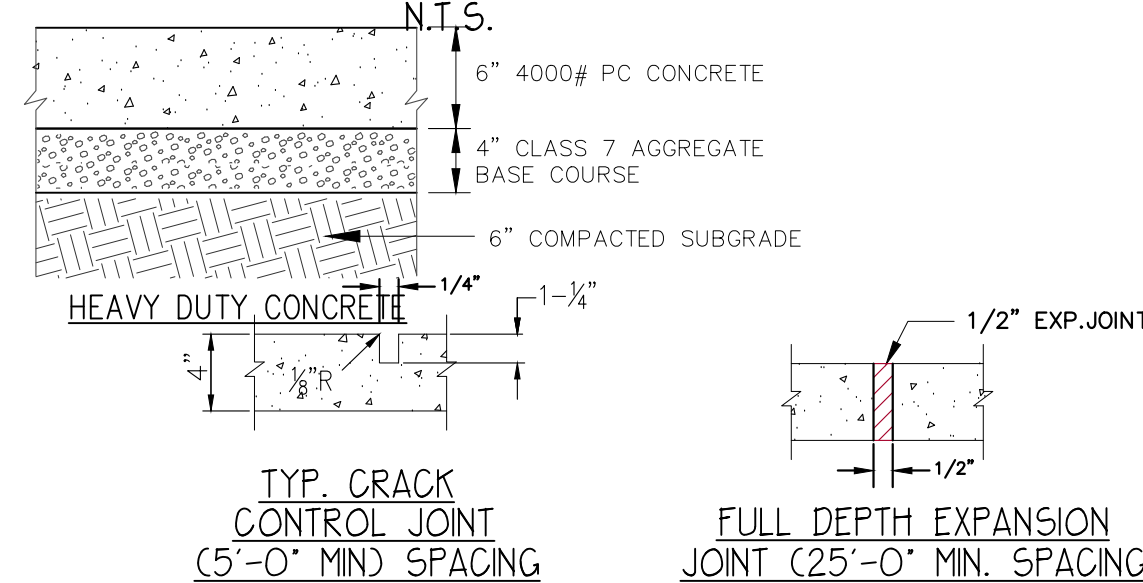
EXPANSION JOINTS SHALL BE PROVIDED AT 25 FOOT INTERVALS, AT ALL STATIONARY STRUCTURES SUCH AS DROP INLETS, AND AT CURB RETURNS. JOINT MATERIAL SHALL HAVE A THICKNESS OF ONE-HALF INCH AND CONFORM TO AASHTO M 213 STANDARDS.

SIDEWALKS MUST HAVE CONTRACTION JOINTS SAWS EVERY 5 FEET ON CENTER, AND SHALL BE SAWS TO A DEPTH OF 1 1/2" WITH A WIDTH OF 1/4". MATERIAL USED TO SEAL JOINTS SHALL BE AS SPECIFIED IN SECTION 501 AHTD STANDARD SPECIFICATIONS OR AS APPROVED BY THE ENGINEER. (OMNISEAL 50 OR EQUAL).

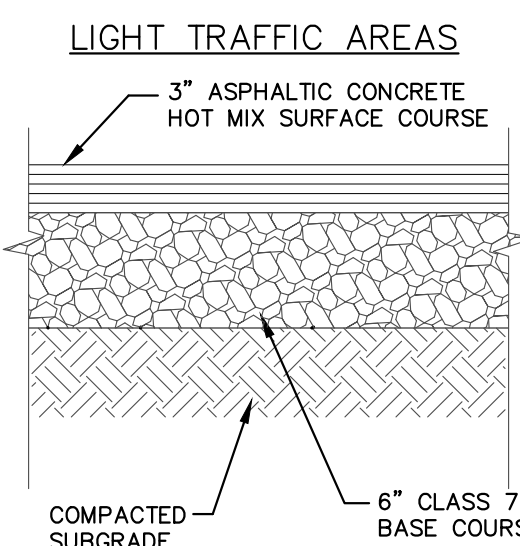
ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY REQUIREMENTS. IN THE CASE OF CONFLICTS, THE CITY'S CRITERIA SHALL GOVERN.



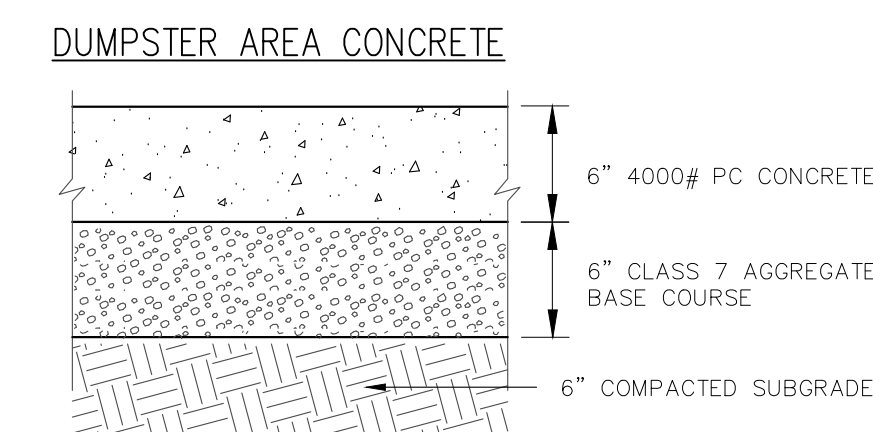
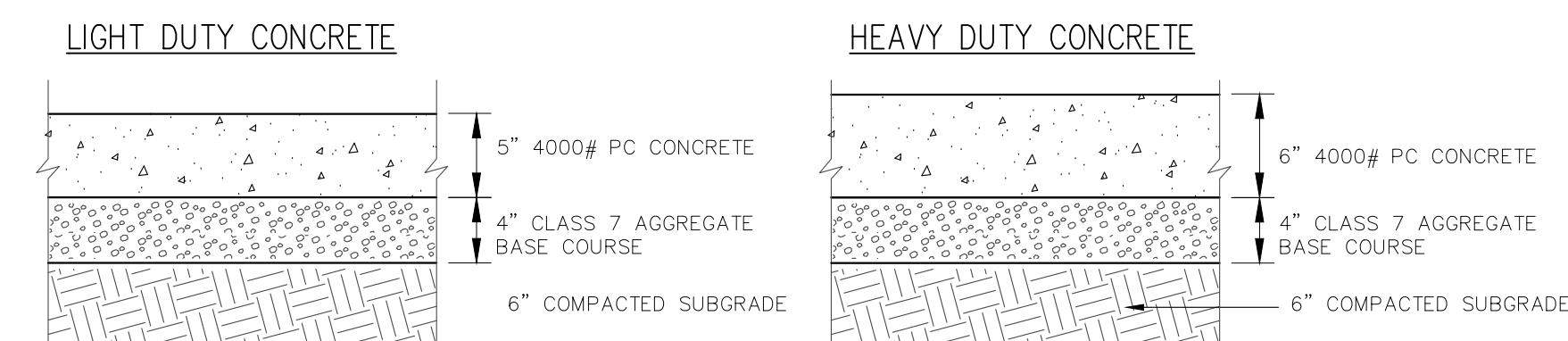
**SIDEWALK ABUTTING PAVEMENT**  
N.T.S.



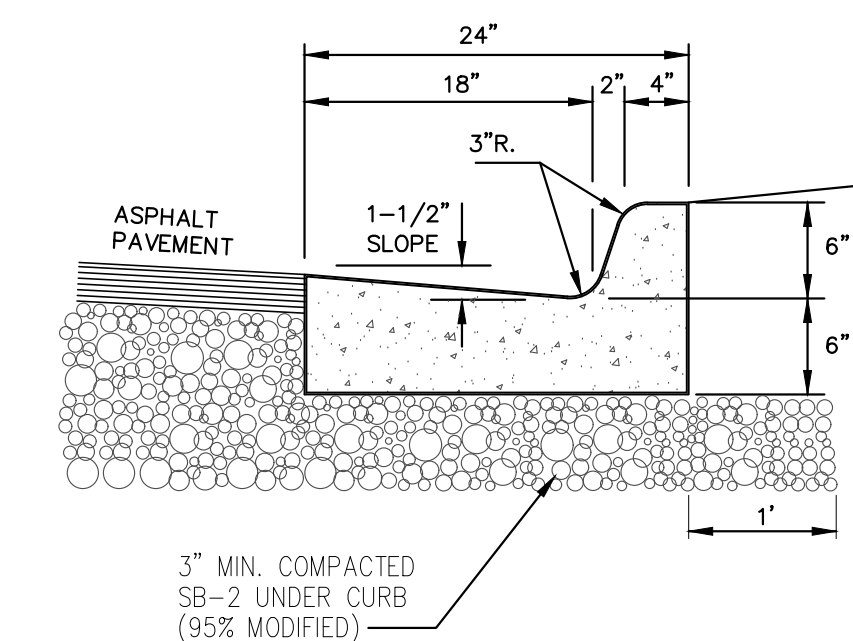
**TYP. SIDEWALK SECTION**  
N.T.S.



**ASPHALT PAVEMENT SECTION**  
NTS



**CONCRETE PAVEMENT SECTIONS**  
NTS



**TYPICAL CURB SECTION**  
N.T.S.

ENGINEER: G. BATES  
DRAWN BY: M. WILLIAMS

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#1335  
ARKANSAS ENGINEER

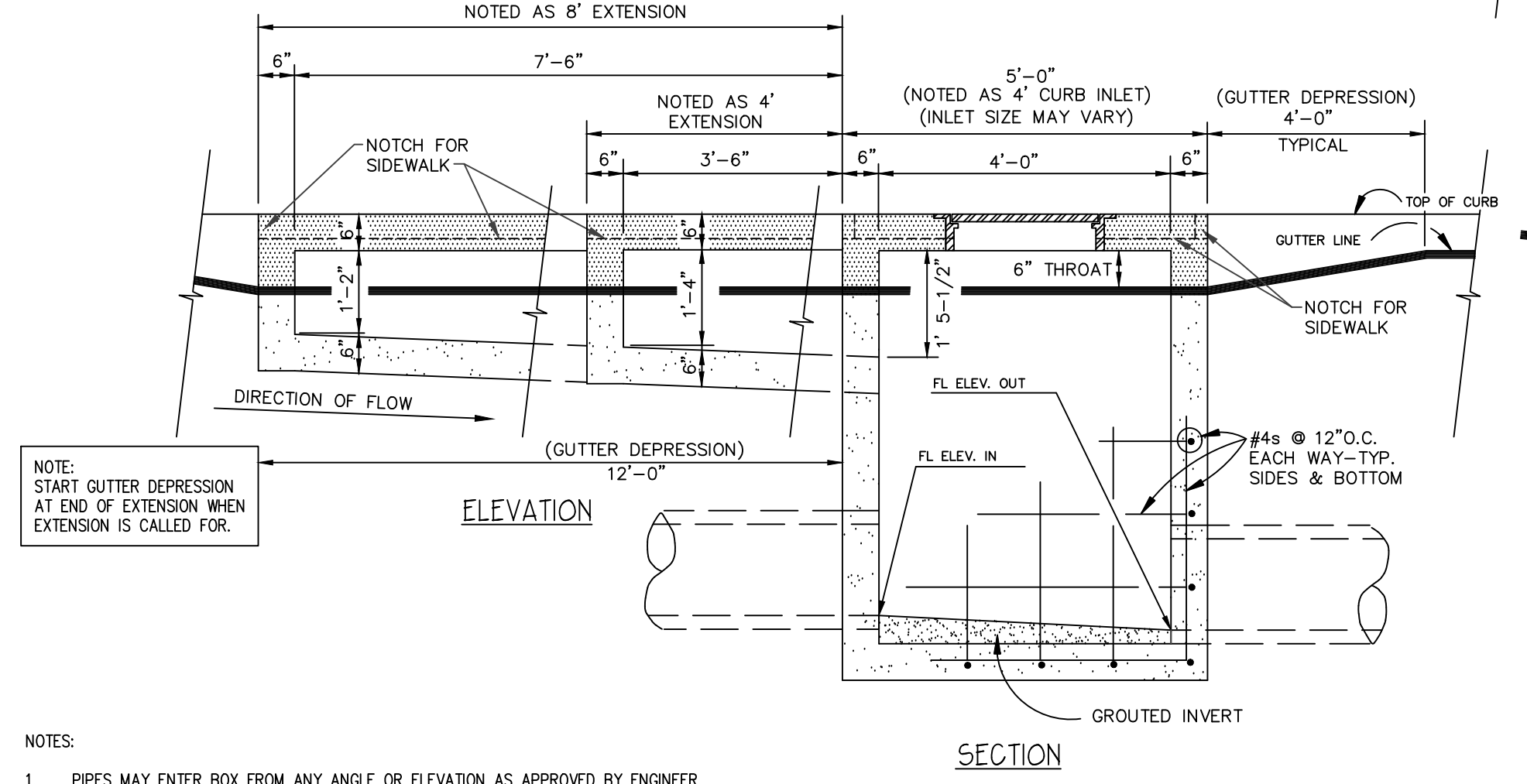
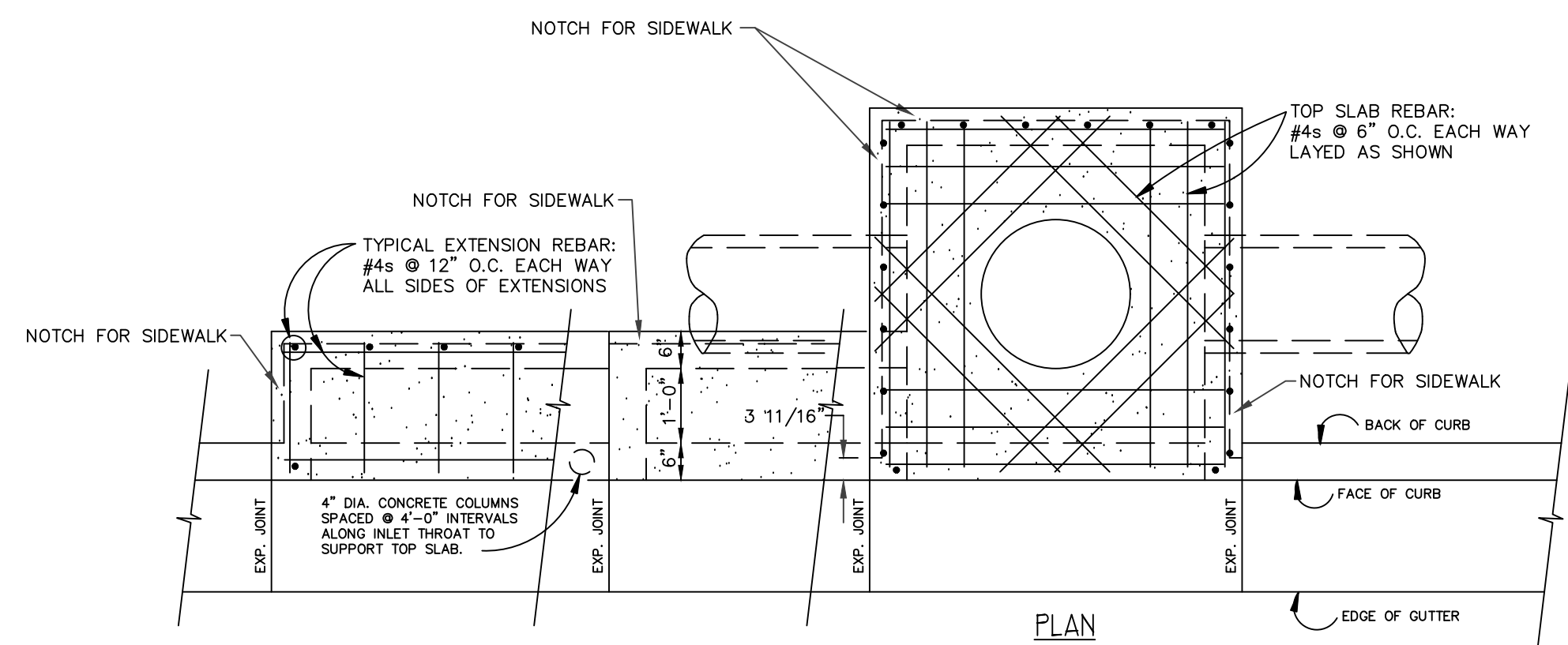
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DATE	REVISIONS
10/24/23	
11/14/23	
11/21/23	
11/27/23	
12/04/23	
12/13/23	

BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
DETAILS  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / batesnwa.com

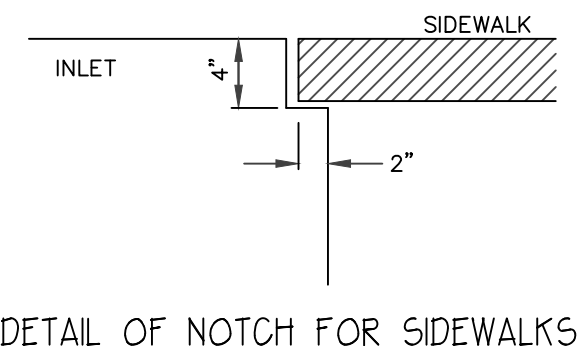




- NOTES:
1. PIPES MAY ENTER BOX FROM ANY ANGLE OR ELEVATION AS APPROVED BY ENGINEER.
  2. REINFORCING BARS SHALL BE CUT TO CLEAR PIPE BY 1-1/2".
  3. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS.
  4. ALL REINFORCING BARS SHALL HAVE 1-1/2" MINIMUM COVER.

TYPICAL CURB INLET  
N.T.S.

NOTE:  
CONTRACTOR HAS THE OPTION TO CONSTRUCT ROUND CURB INLETS AND JUNCTION MANHOLES (A.H.T.D. TYPE MO) OF EQUIVALENT SIZE TO THE RECTANGULAR STRUCTURES SHOWN ABOVE WHEREVER SUCH ROUND STRUCTURES ARE APPLICABLE. HOWEVER, IF TYPE MO INLETS ARE USED, THE STANDARD RECTANGULAR CURB INLET EXTENSION MUST STILL BE USED. THE TYPE MO CURB INLET EXTENSION WILL NOT BE USED.

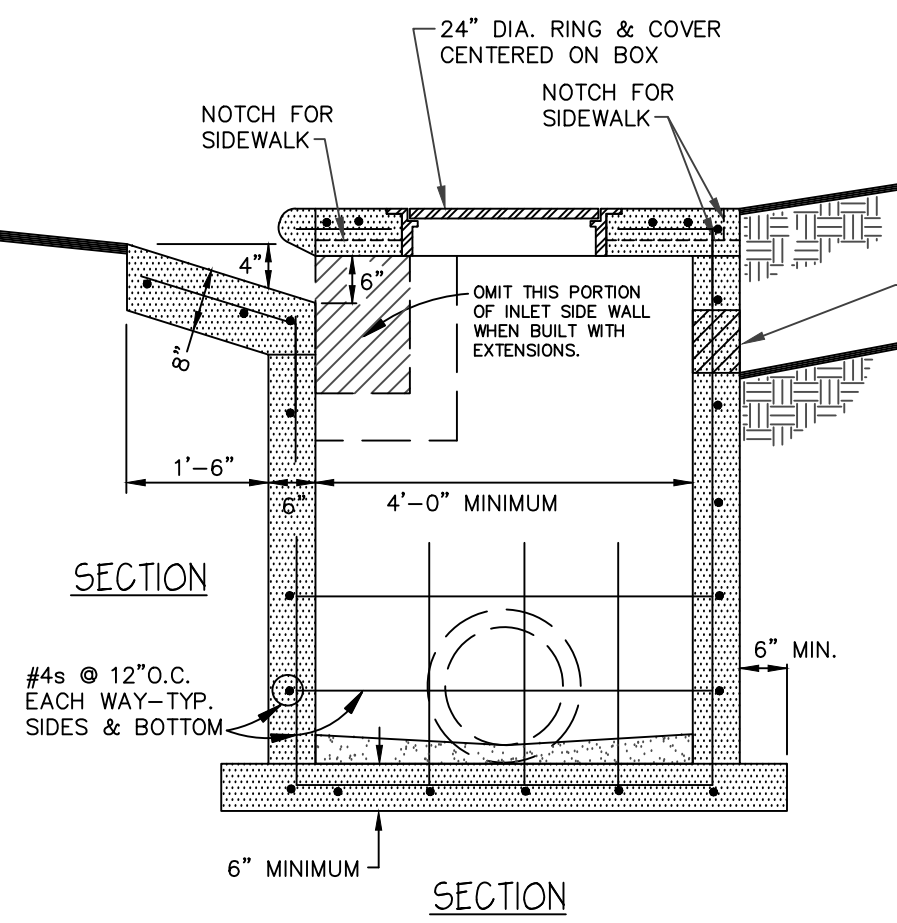


DETAIL OF NOTCH FOR SIDEWALKS

ALL INLETS SHALL BE CONSTRUCTED OF PORTLAND CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI WHEN TESTED. ALL CONCRETE SHALL CONTAIN AN AIR ENTRAINING AGENT WHICH PRODUCES FIVE PERCENT PLUS OR MINUS TWO PERCENT AIR ENTRAINMENT IN THE CONCRETE.

ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY REQUIREMENTS. IN THE CASE OF CONFLICTS, THE CITY'S CRITERIA SHALL GOVERN.

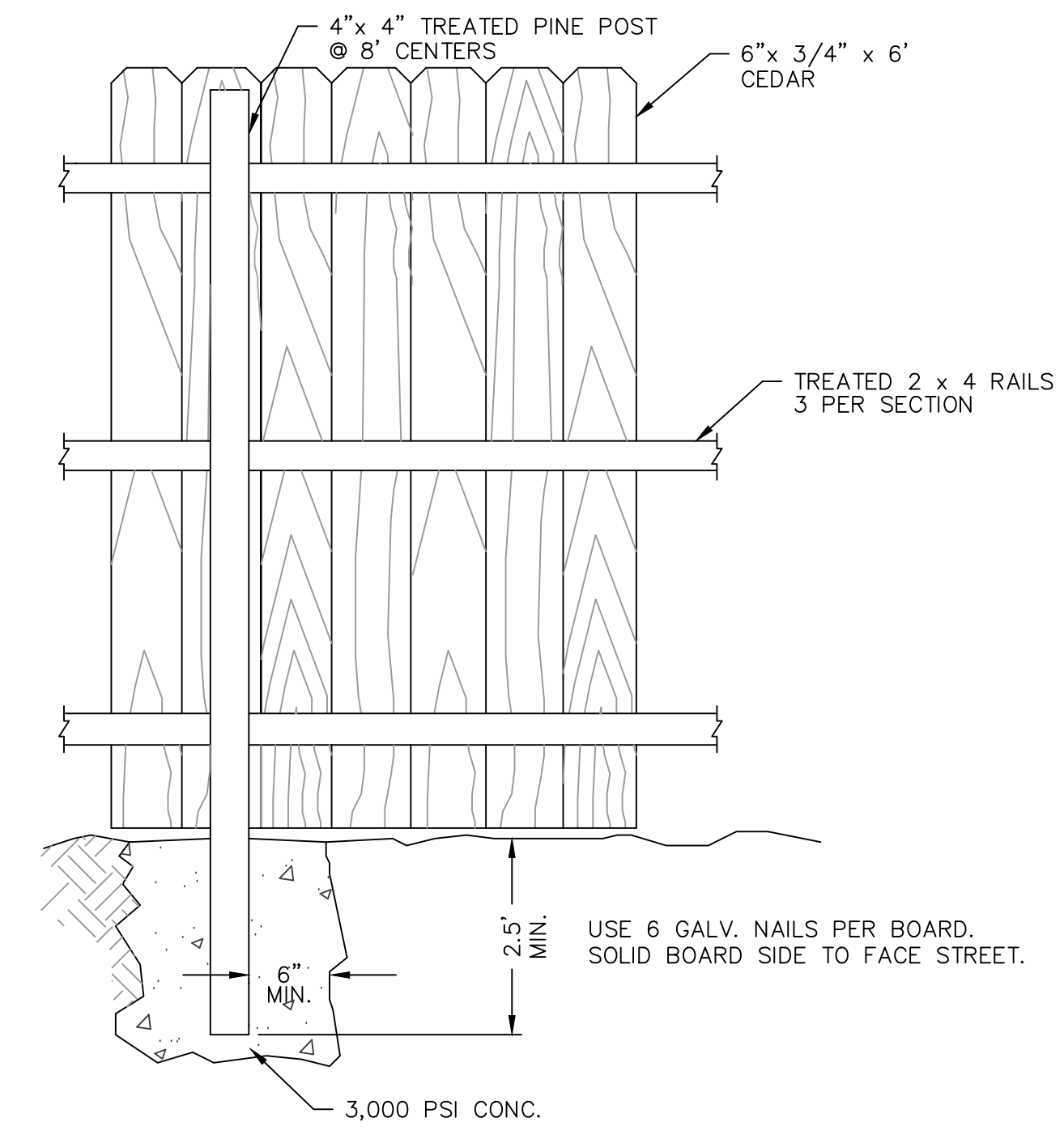
GUTTER DEPRESSION  
NOTE: UPSTREAM DEPRESSION SHALL BE 1" PER 3' (12 FEET) AND THE DOWNSTREAM DEPRESSION SHALL BE 1" PER FOOT (4 FEET).



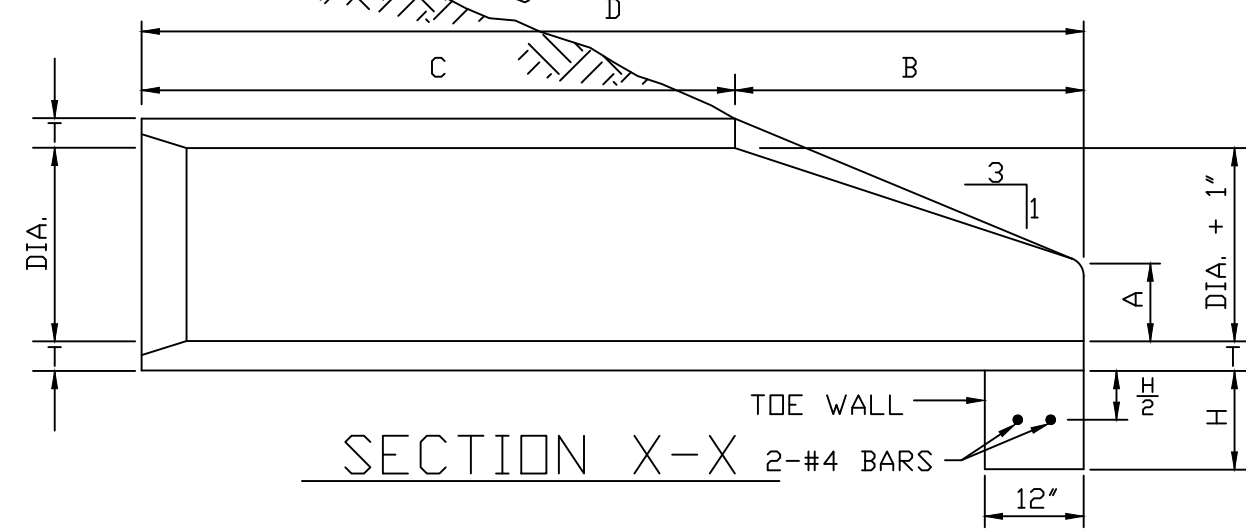
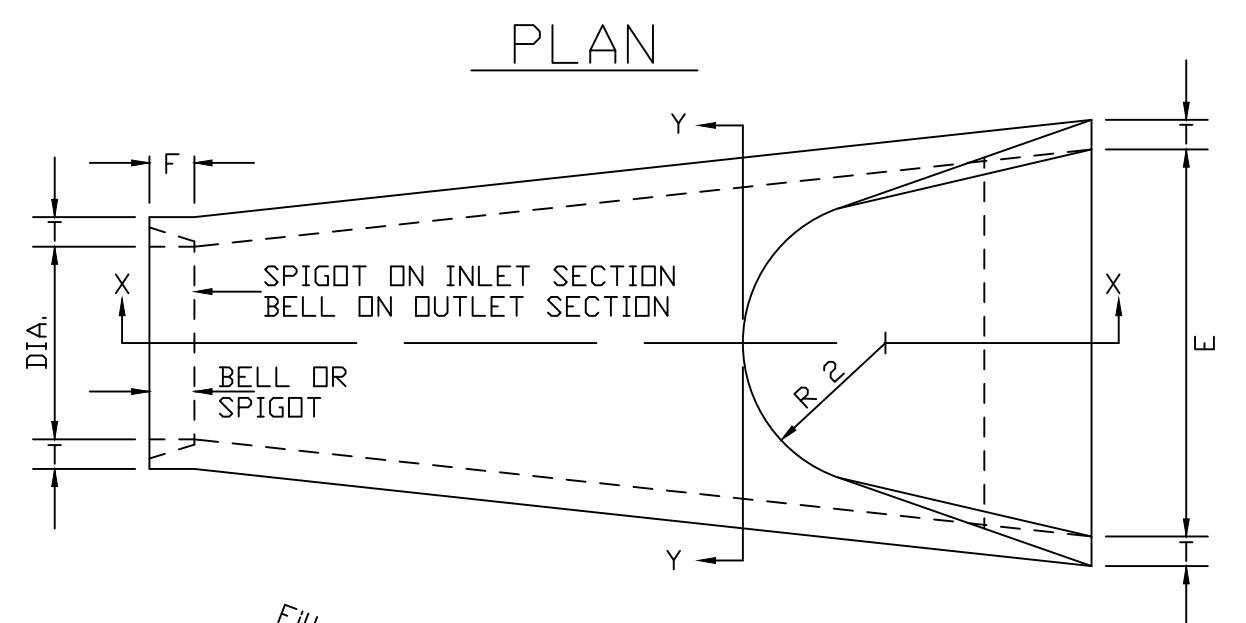
SECTION

SECTION

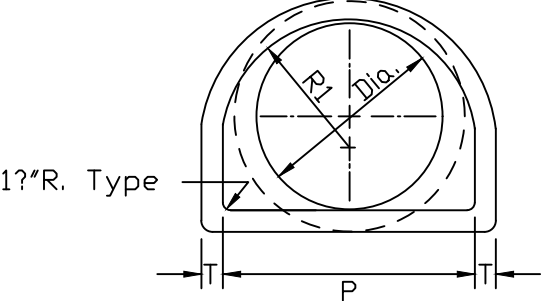
NOTE: FOR CONNECTION TO AN EXISTING INLET, SAW OUT A SQUARE SECTION OF THE BOX TO BE REMOVED, REMOVE EXISTING PIPE AND CONCRETE, THEN INSTALL PROPOSED PIPE & GROUT TO MATCH EXISTING INLET W/WON-SHRINK GROUT.



CEDAR FENCE DETAIL  
N.T.S.



SECTION Y-Y



- GENERAL NOTES
1. End sections shall conform to standard strength reinforced concrete pipe of like diameter as per Standard Specifications.
  2. Joint between end section & pipe culvert to be made by reinforced concrete collar or cold adhesive preformed plastic casket.
  3. End sections to be used only when specified on the plans or at locations as directed by the Engineer.
  4. The wall to be constructed when shown on the plans or designated by the Engineer.

DIA.	T	BELL OR SPIGOT	A	B	C	D	E	P	R 1	R 2	F	H	WEIGHT (LBS.)
15"	21"	2"	6"	2'-3"	3'-10"	6'-1"	2'-6"	247"	127"	11"	37"	12"	740
18"	27"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	29"	157"	12"	4"	15"	990
24"	3"	2 1/2"	9"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	337"	167"	14"	4 1/2"	18"	1520
30"	3 1/2"	3"	1'-0"	4'-6"	1'-7 1/2"	6'-1 1/2"	5'-0"	37"	187"	15"	5"	21"	2190
36"	4"	3 1/2"	1'-3"	5'-3"	2'-10 1/2"	8'-1 1/2"	6'-0"	477"	247"	20"	5 1/2"	21"	4100
42"	4 1/2"	3 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	537"	277"	22"	5 1/2"	24"	5380
48"	5"	4 1/2"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	567"	287"	22"	5 1/2"	24"	6550
54"	5 1/2"	4 1/2"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	657"	337"	24"	6 1/2"	24"	8040
60"	6"	5"	2'-6"	5'-0"	3'-3"	8'-3"	8'-0"	727"	367"	24"	6 1/2"	24"	8750
66"	6 1/2"	5 1/2"	2'-0"	6'-6"	1'-9"	8'-3"	8'-6"	72"	367"	24"	7 1/2"	24"	10630
72"	7"	6"	2'-0"	6'-6"	1'-9"	8'-3"	9'-0"	777"	387"	24"	7 1/2"	24"	12520

FLARED END SECTION DETAILS  
N.T.S.

NOTES:

RIPRAP SHOULD EXTEND UP BOTH SIDES OF THE APRON AND AROUND THE END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 3:1 AND A HEIGHT NOT LESS THAN TWO THIRDS THE PIPE DIAMETER OR CULVERT HEIGHT.

THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL. THE AREA TO BE PAVED OR RIPRAPPED SHALL BE UNDERCUT SO THAT THE INVERT OF THE APRON SHALL BE AT THE SAME GRADE (FLUSH) WITH THE SURFACE OF THE RECEIVING CHANNEL. THE APRON SHALL HAVE A CUTOFF OR TOE WALL AT THE DOWNSTREAM END.

THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL. MAXIMUM TAPER TO RECEIVING CHANNEL 5:1

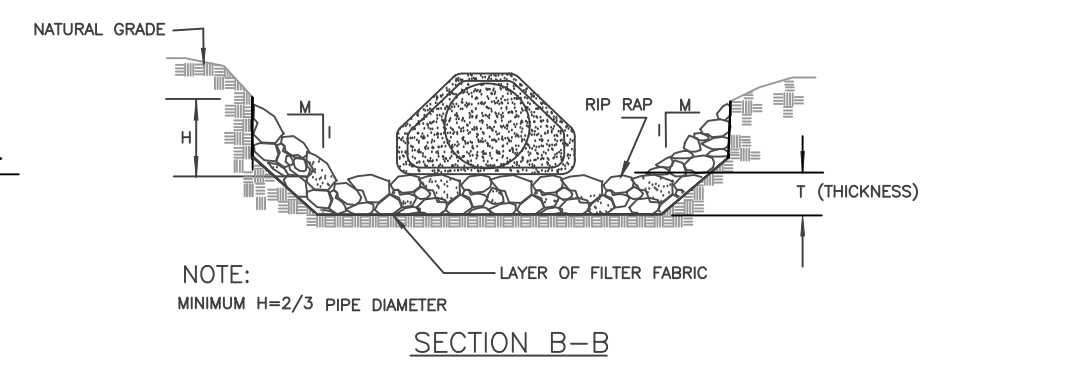
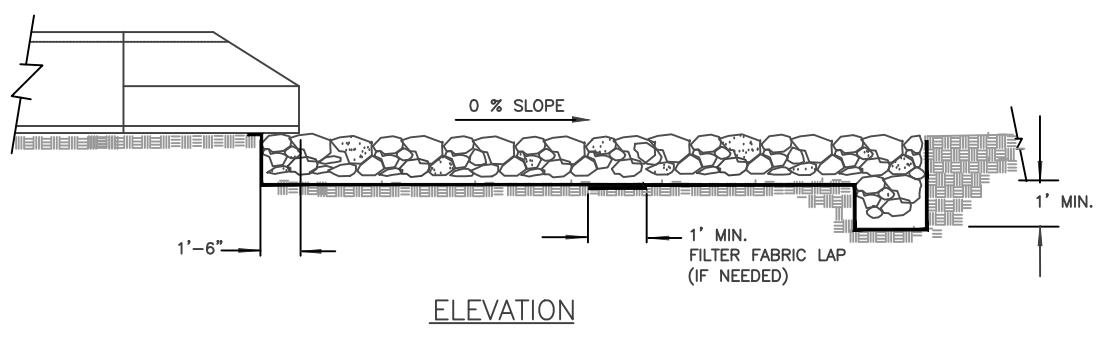
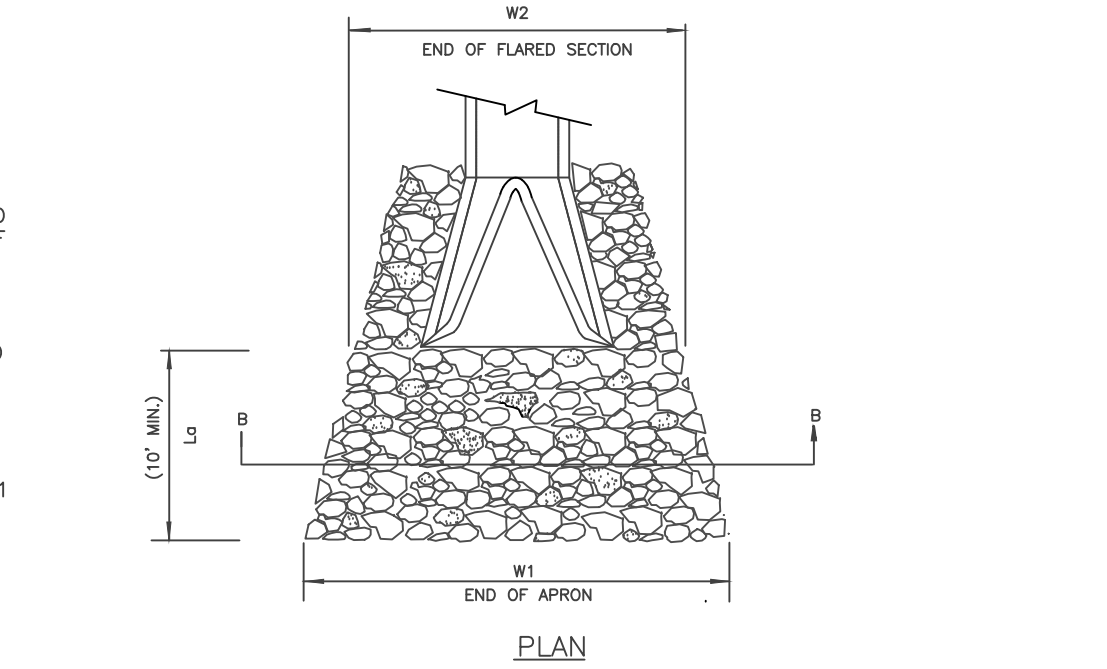
ALL SUBGRADE FOR STRUCTURE TO BE COMPACTED TO 95% OR GREATER.

THE PLACING OF FILL, EITHER LOOSE OR COMPACTED IN THE RECEIVING CHANNEL SHALL NOT BE ALLOWED.

NO BENDS OR CURVES IN THE HORIZONTAL ALIGNMENT OF THE APRON WILL BE PERMITTED.

FILTER FABRIC SHALL BE INSTALLED ON COMPACTED SUBGRADE PRIOR TO PLACEMENT OF RIP RAP.

ANY DISTURBED AREA FROM END OF APRON TO RECEIVING CHANNEL MUST BE STABILIZED.



RIP RAP OUTLET DETAIL  
N.T.S.

SECTION B-B

ENGINEER: G. BATES

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
ARKANSAS ENGINEER

DRAWN BY: M. WILLIAMS

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DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL
11/21/23	WATER & SEWER PROFILE
11/27/23	COF 1ST SUBMITTAL
12/04/23	MOVED ANNOTATIONS
12/13/23	COF 2ND SUBMITTAL

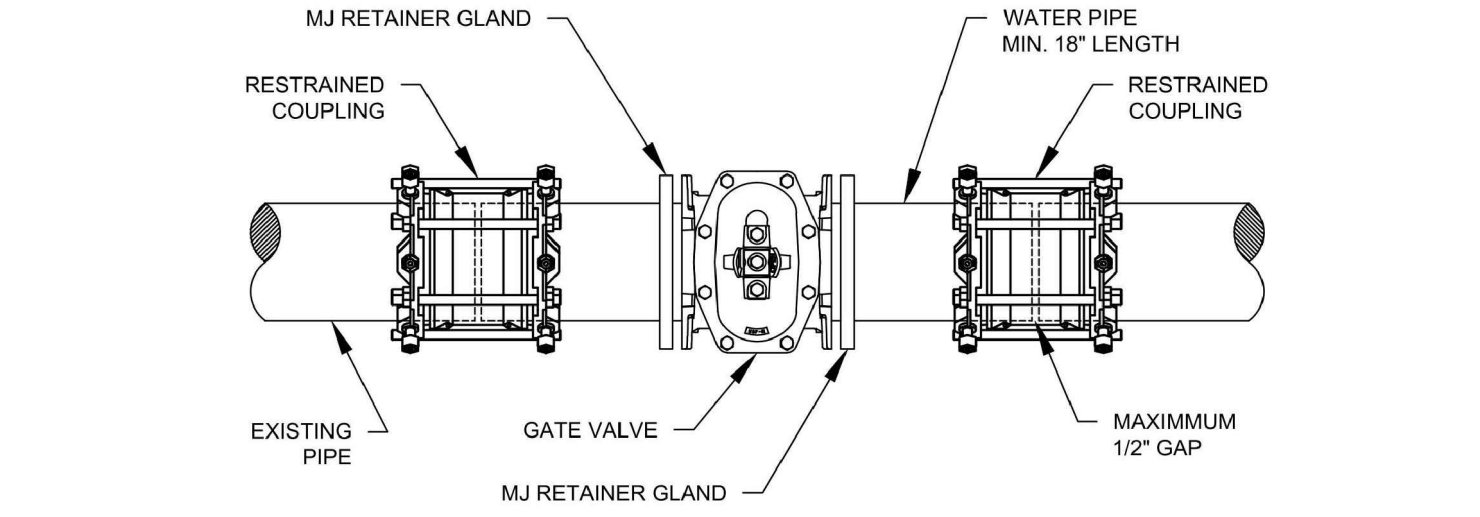
BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
DETAILS  
FARMINGTON, ARKANSAS

**BATES**  
Engineers - Surveyors  
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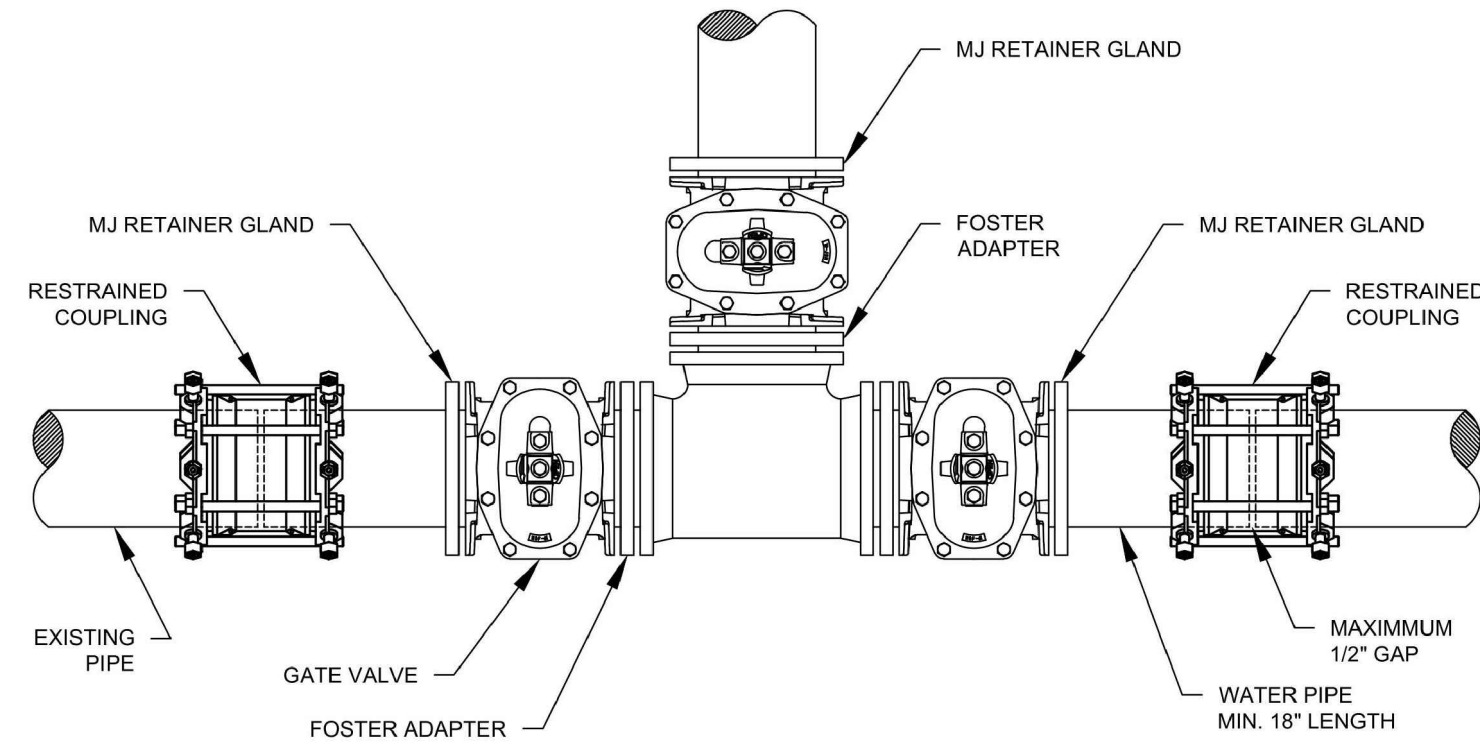
DRAWING NO.  
07.1

PROJECT NO. 21-366

- NOTES:**
1. ALL VALVES SHALL BE SECURELY ANCHORED.
  2. ALL HARDWARE SHALL BE 316 STAINLESS STEEL.
  3. IF DEPTH OF BURY EXCEEDS 4 FT., A VALVE STEM EXTENSION SHALL BE REQUIRED. THE VALVE STEM EXTENSION NUT SHALL BE WITHIN 24-INCHES TO 12-INCHES OF THE FINISHED SURFACE.



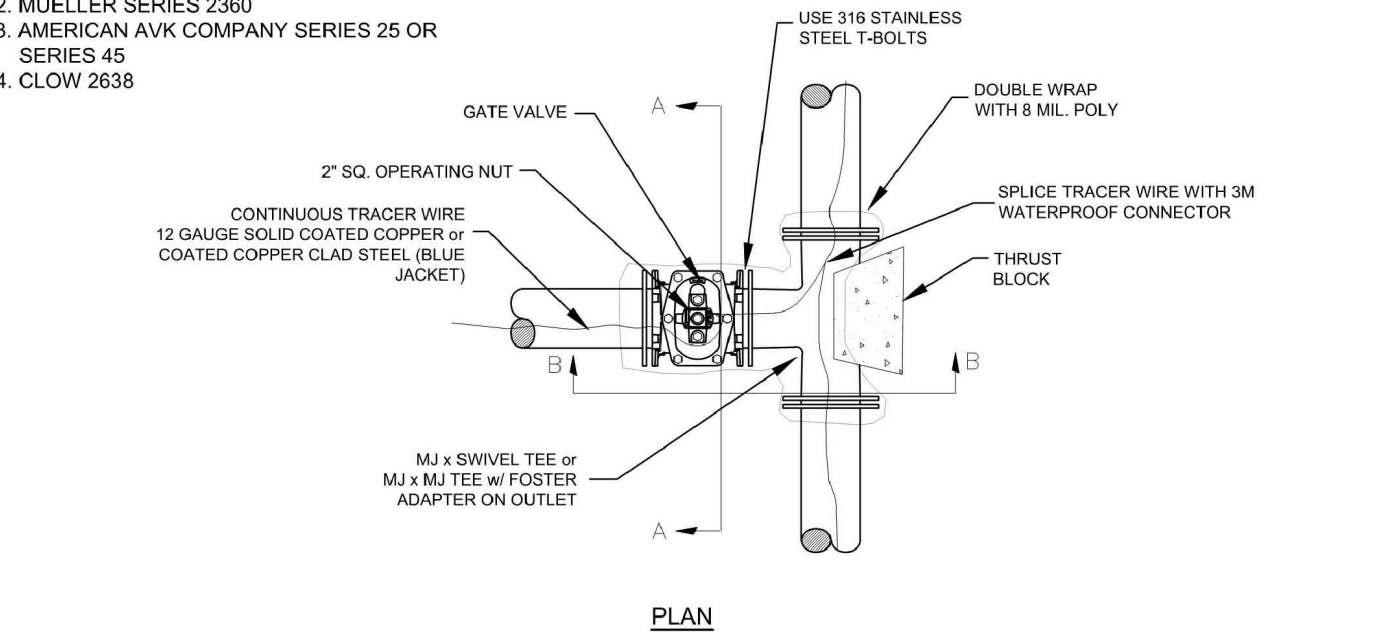
**VALVE CUT-IN**



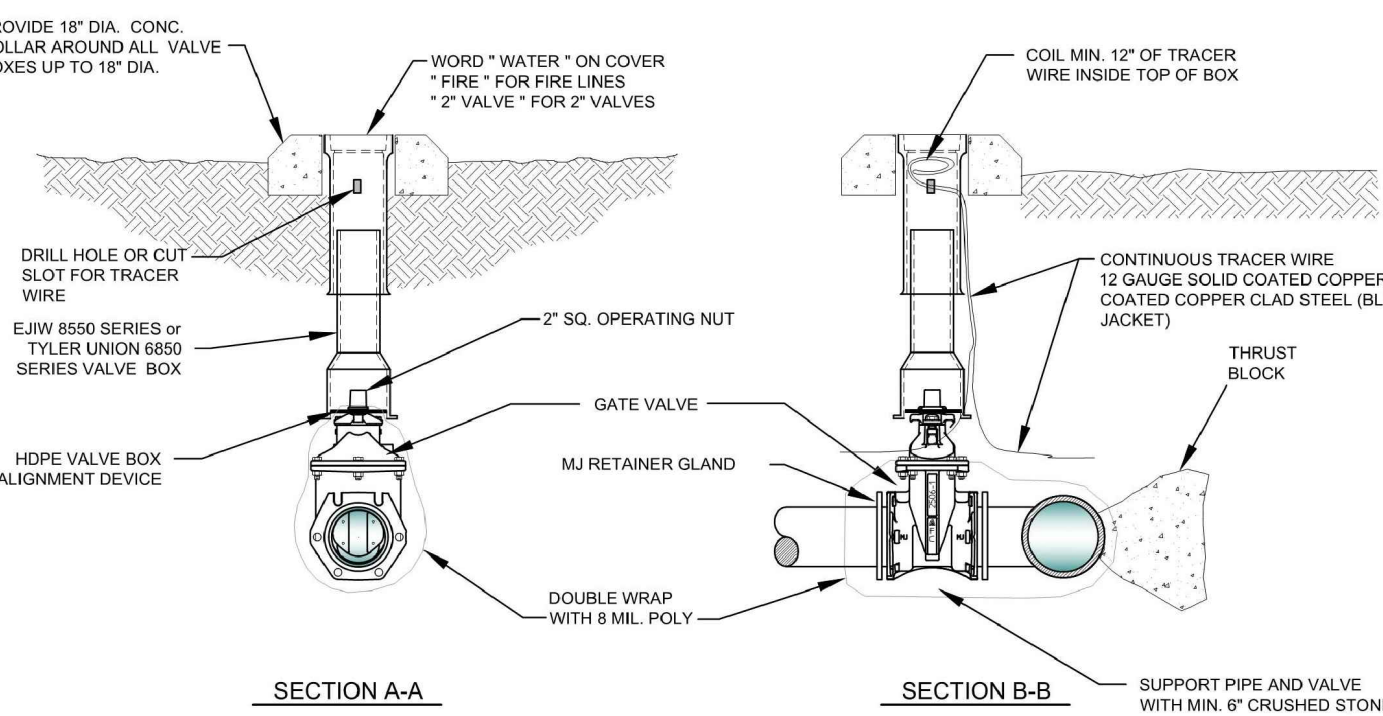
**TEE AND VALVES CUT-IN**

	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>VALVE CUT-IN</b>	SHEET: <b>W22</b>

- PERMITTED VALVES**
1. AMERICAN FLOW CONTROL SERIES 2500
  2. MUELLER SERIES 2360
  3. AMERICAN AVK COMPANY SERIES 25 OR SERIES 45
  4. CLOW 2638



**PLAN**



**SECTION A-A**

**SECTION B-B**

- NOTES:**
1. ALL VALVES SHALL BE SECURELY ANCHORED TO THE TEE.
  2. ALL HARDWARE SHALL BE 316 STAINLESS STEEL.
  3. IF DEPTH OF BURY EXCEEDS 4 FT., A VALVE STEM EXTENSION NUT SHALL BE WITHIN 24-INCHES TO 12-INCHES OF THE FINISHED SURFACE.

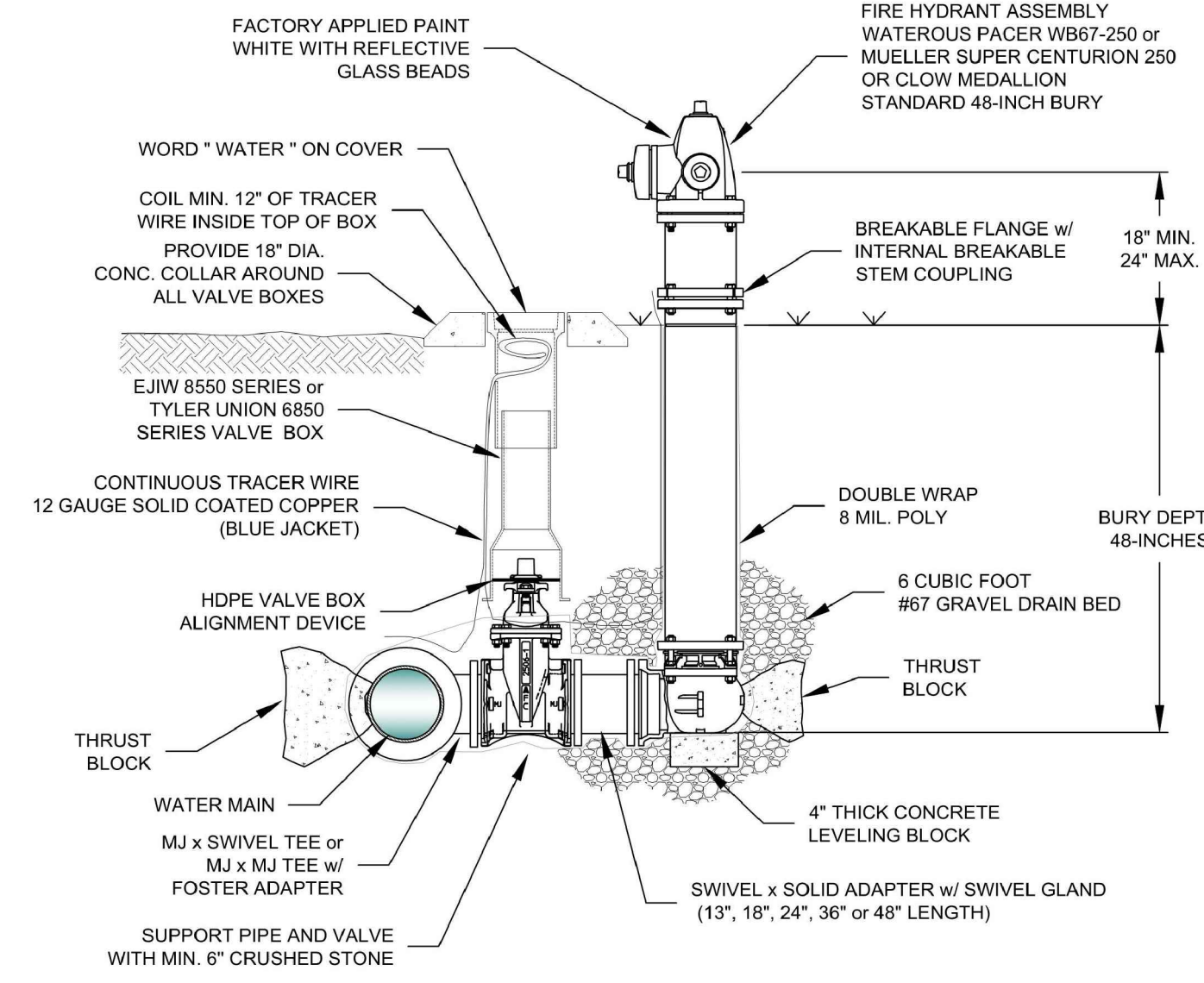
**GATE VALVE DETAIL**

2' - 8"

	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>GATE VALVE</b>	SHEET: <b>W5</b>

**NOTES:**

1. THE 6" GATE VALVE SHALL BE POSITIVELY RESTRAINED TO THE MAIN BY THE USE OF EITHER A SWIVEL TEE OR FOSTER ADAPTER.
2. FIRE HYDRANTS SHALL BE DESIGNED FOR A MINIMUM 48" BURY.
3. BURY LINE OF HYDRANT SHALL BE NO LESS THAN THE PROPOSED FINISHED ELEVATION OF BACK OF CURB, OR SIDEWALK, WHICHEVER IS GREATER.
4. EXTENSIONS SHALL BE WATEROUS K562 OR MUELLER A-320 WITH NO MORE THAN ONE EXTENSION PER HYDRANT.
5. IF SIDEWALK IS PRESENT, HYDRANT SHALL BE INSTALLED 2' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB. VALVES SHALL BE INSTALLED 1' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB.
6. DO NOT COVER UP WEEP HOLE WITH CONCRETE.
7. MJ RETAINER GLANDS ARE REQUIRED FOR ALL FITTINGS.
8. PIPE BEDDING SHALL HAVE A MAXIMUM PARTICLE SIZE OF 3/4".



**FIRE HYDRANT & VALVE CONNECTION**

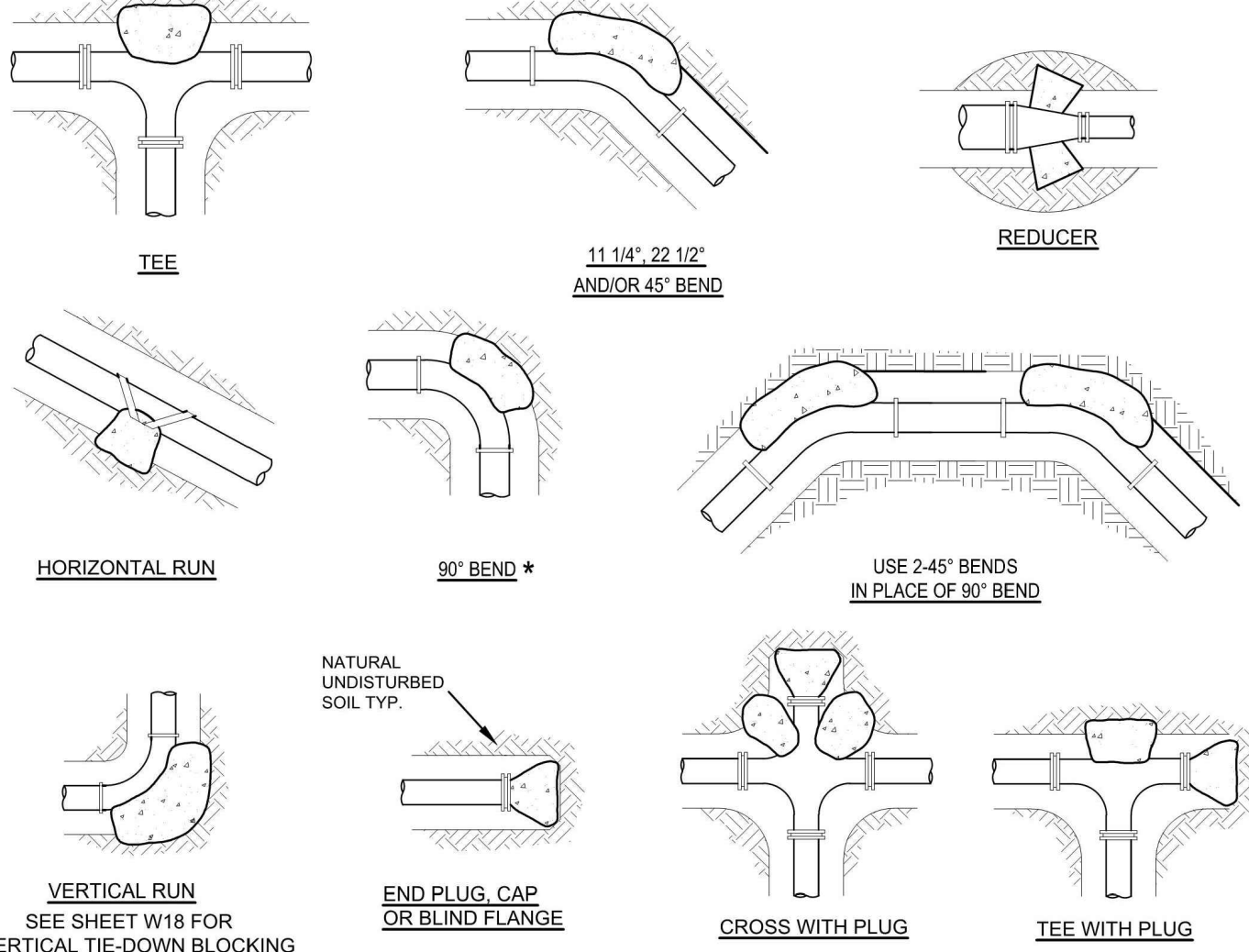
	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>FIRE HYDRANT AND VALVE CONNECTION</b>	SHEET: <b>W9</b>

DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL
11/21/23	WATER & SEWER PROFILE
11/27/23	COF 1ST SUBMITTAL
12/04/23	Moved Annotations
12/13/23	COF 2ND SUBMITTAL

**BRAND NEW CHURCH**  
**LARGE SCALE DEVELOPMENT PLANS**  
**DETAILS**  
**FARMINGTON, ARKANSAS**

**Engineers - Surveyors**  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
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DRAWING NO. **07.2**

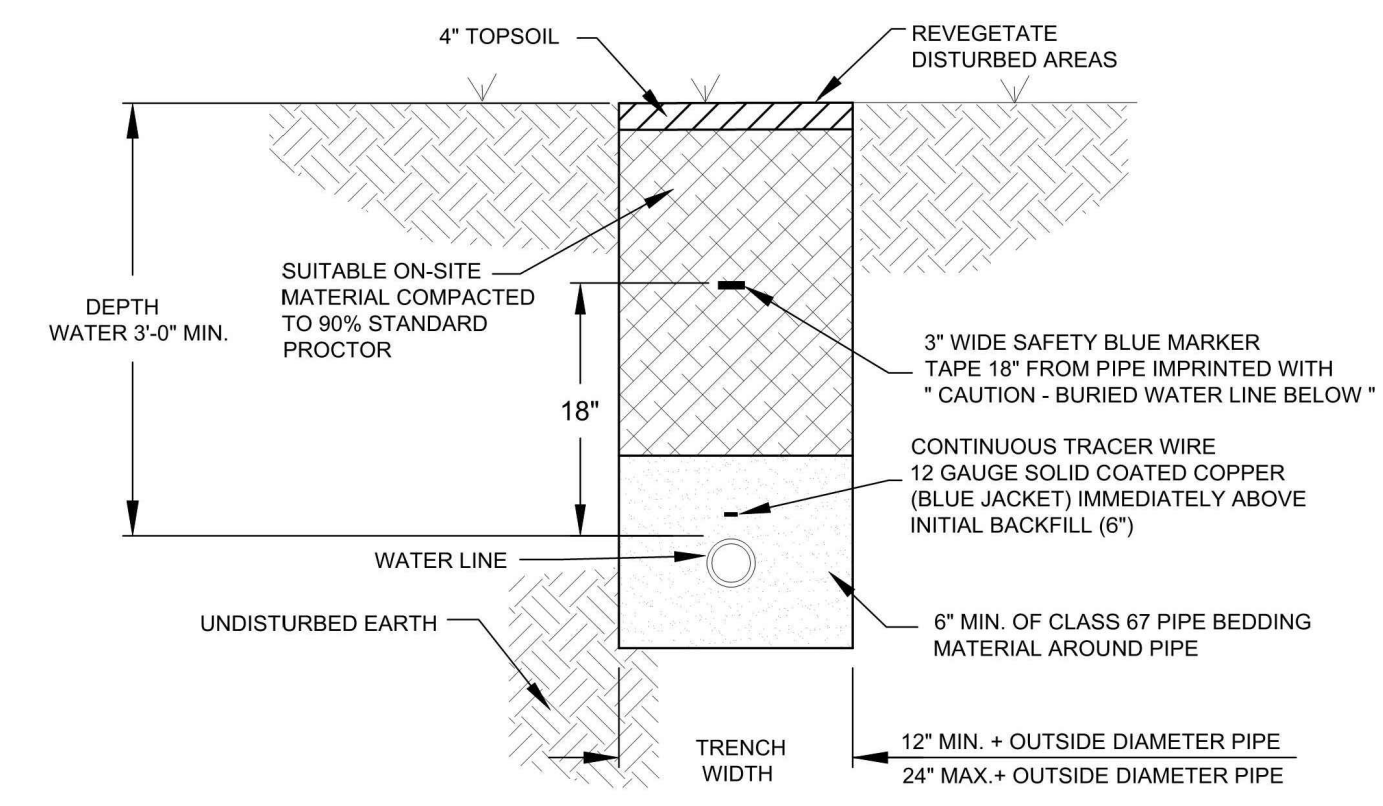


FITTING		FITTING			FITTING			FITTING			FITTING		
SIZE	BEARING AREA	SIZE	BEARING AREA	SIZE	BEARING AREA	SIZE	BEARING AREA	SIZE	BEARING AREA	SIZE	BEARING AREA	SIZE	BEARING AREA
2, 3, 4, 6, 8, 12, 16, 18, 24	1.9, 2.7, 3.9, 5.6, 8.6, 12.0, 16.0, 20.0, 25.0, 30.0	2, 3, 4, 6, 8, 12, 16, 18, 24	1.4, 2.1, 3.1, 4.3, 6.6, 9.1, 12.0, 15.0, 19.0, 24.0	2, 3, 4, 6, 8, 12, 16, 18, 24	0.4, 0.6, 0.9, 1.3, 1.9, 2.6, 3.5, 4.6, 6.0, 7.7	2, 3, 4, 6, 8, 12, 16, 18, 24	0.4, 0.6, 0.9, 1.3, 1.9, 2.6, 3.5, 4.6, 6.0, 7.7	2, 3, 4, 6, 8, 12, 16, 18, 24	0.4, 0.6, 0.9, 1.3, 1.9, 2.6, 3.5, 4.6, 6.0, 7.7	2, 3, 4, 6, 8, 12, 16, 18, 24	0.4, 0.6, 0.9, 1.3, 1.9, 2.6, 3.5, 4.6, 6.0, 7.7	2, 3, 4, 6, 8, 12, 16, 18, 24	0.4, 0.6, 0.9, 1.3, 1.9, 2.6, 3.5, 4.6, 6.0, 7.7

- THRUST BLOCK NOTES:**
1. CONCRETE FOR THRUST BLOCKS - CLASS 1 CONCRETE SHALL DEVELOP NOT LESS THAN 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL. SEE MSS TABLE 11-2 FOR CONCRETE REQUIREMENTS.
  2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
  3. DOUBLE WRAP PIPE JOINTS IN 8 MIL "POLYETHYLENE" BEFORE PLACING CONCRETE.
  4. BEARING AREA SHOWN IN TABLE IS BASED UPON A 2000 LB/SQ. SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 200 PSI. PLUS 100 PSI WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
  5. MJ RESTRAINTS ARE REQUIRED FOR ALL FITTINGS.
  6. USE LONG-RADIUS FITTINGS WHEREVER POSSIBLE.
  7. ALL BOLTS FOR FITTINGS SHALL BE 316 STAINLESS STEEL.
  8. ALL DUCTILE IRON FITTINGS SHALL BE FUSION-BONDED EPOXY COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH ANSI/AWWA C118/001.16.
  9. UNIT WEIGHT OF CONCRETE FOR VERTICAL THRUST BLOCKS IS 150 LBS/CU. FT.

**THRUST BLOCKING**

	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>THRUST BLOCKING</b>	SHEET: <b>W17</b>

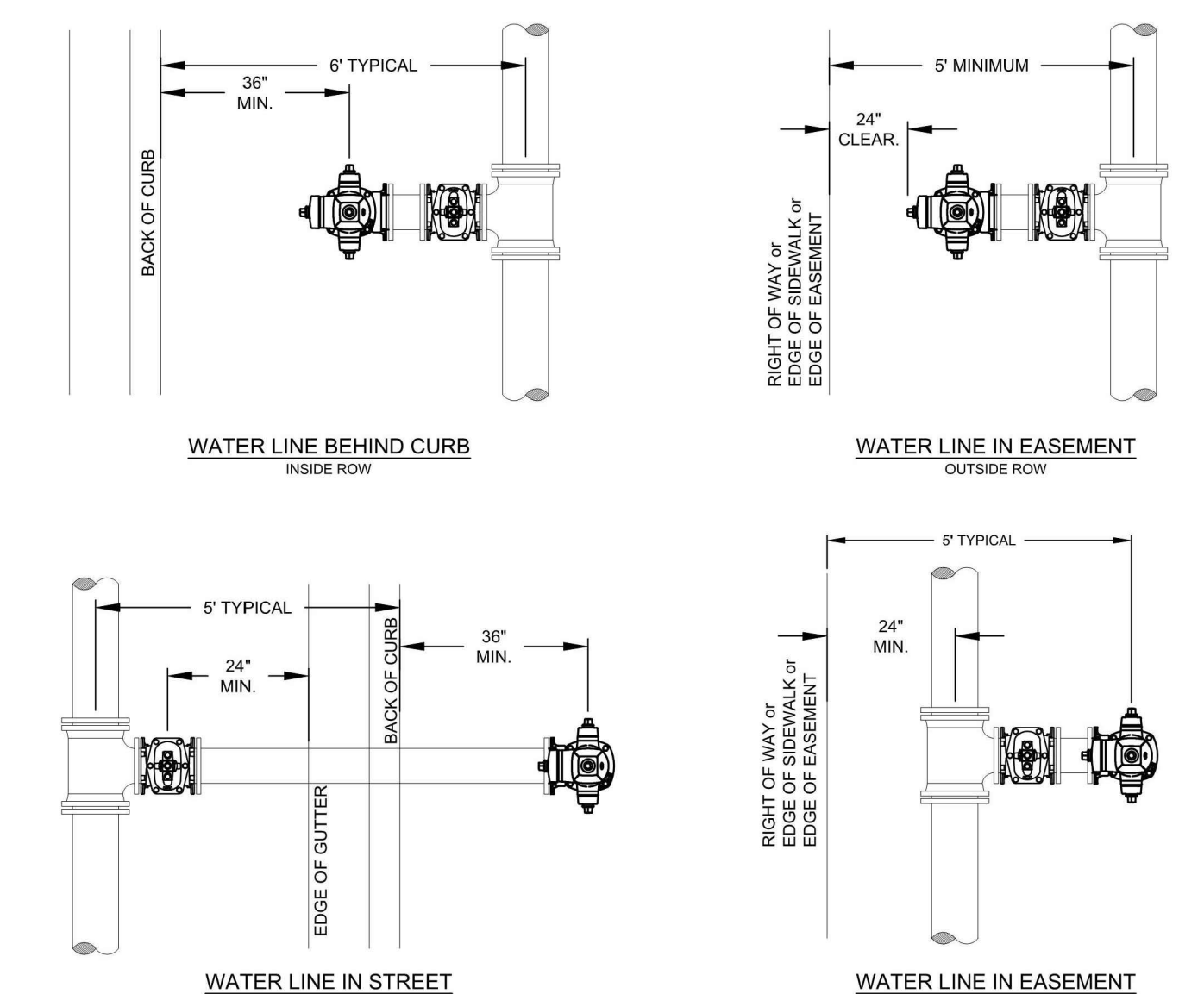
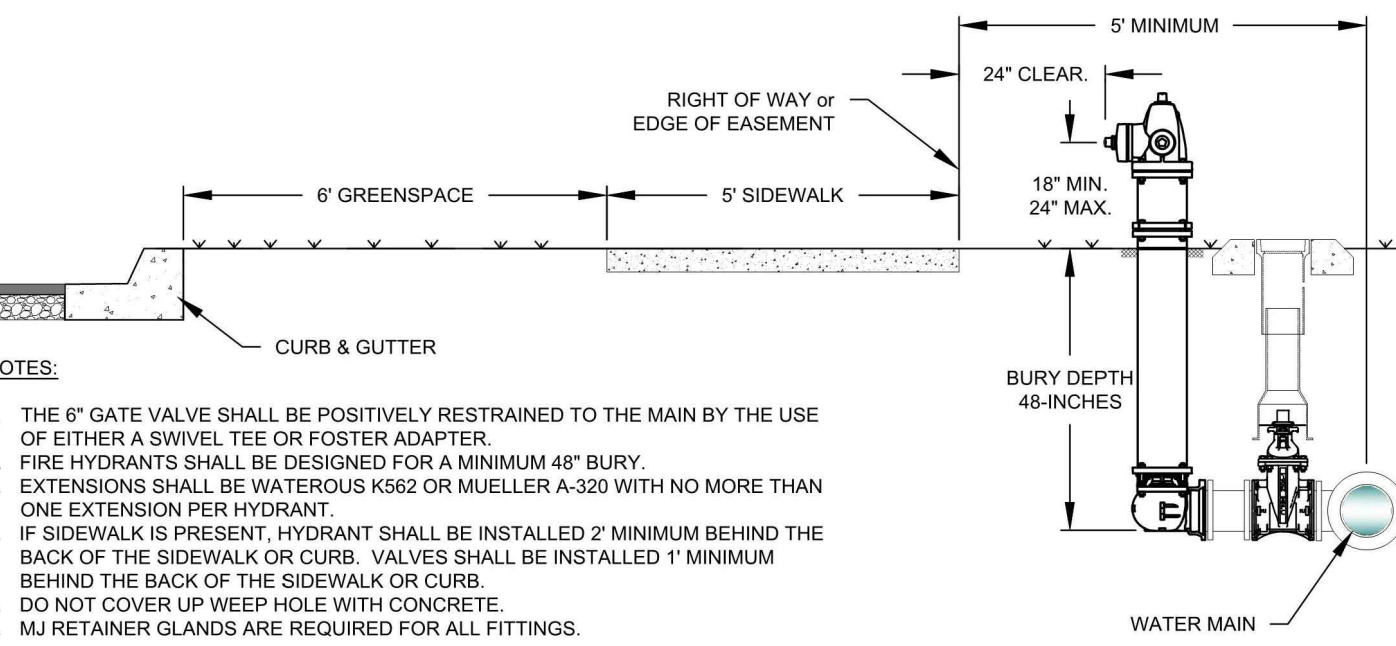


- NOTES:**
1. ALL VALVES, BENDS, ETC. SHALL BE RESTRAINED.
  2. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO CONNECT WITH ANY PART OF THE EXISTING WATER SYSTEM THAT WILL REMAIN IN ORDER TO ESTABLISH A SATISFACTORY AND ACCEPTABLE WATER SYSTEM.
  3. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH.XVII, SUBPART B).
  4. TRENCH SHALL BE EXCAVATED BELOW GRADE REQUIRED TO PROVIDE A MINIMUM 36" OF PIPE COVER.
  5. MAXIMUM PIPE COVER SHALL BE 60" UNDER NORMAL CONDITIONS. COVER GREATER THAN 60" MAY BE ALLOWED FOR SHORT DISTANCES WHERE REQUIRED BY FIELD CONDITIONS AND APPROVED BY THE CITY OF FAYETTEVILLE. NO HYDRANT SHALL BE ALLOWED WHERE LINES ARE GREATER THAN 60" DEEP.
  6. PIPE BEDDING SHALL HAVE A MAXIMUM PARTICLE SIZE OF 3/4".

**WATER TRENCH**

(NON-PAVED AREA)

	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>WATER TRENCH (NON-PAVED AREA)</b>	SHEET: <b>W1</b>



**WATER LINE PLACEMENT**

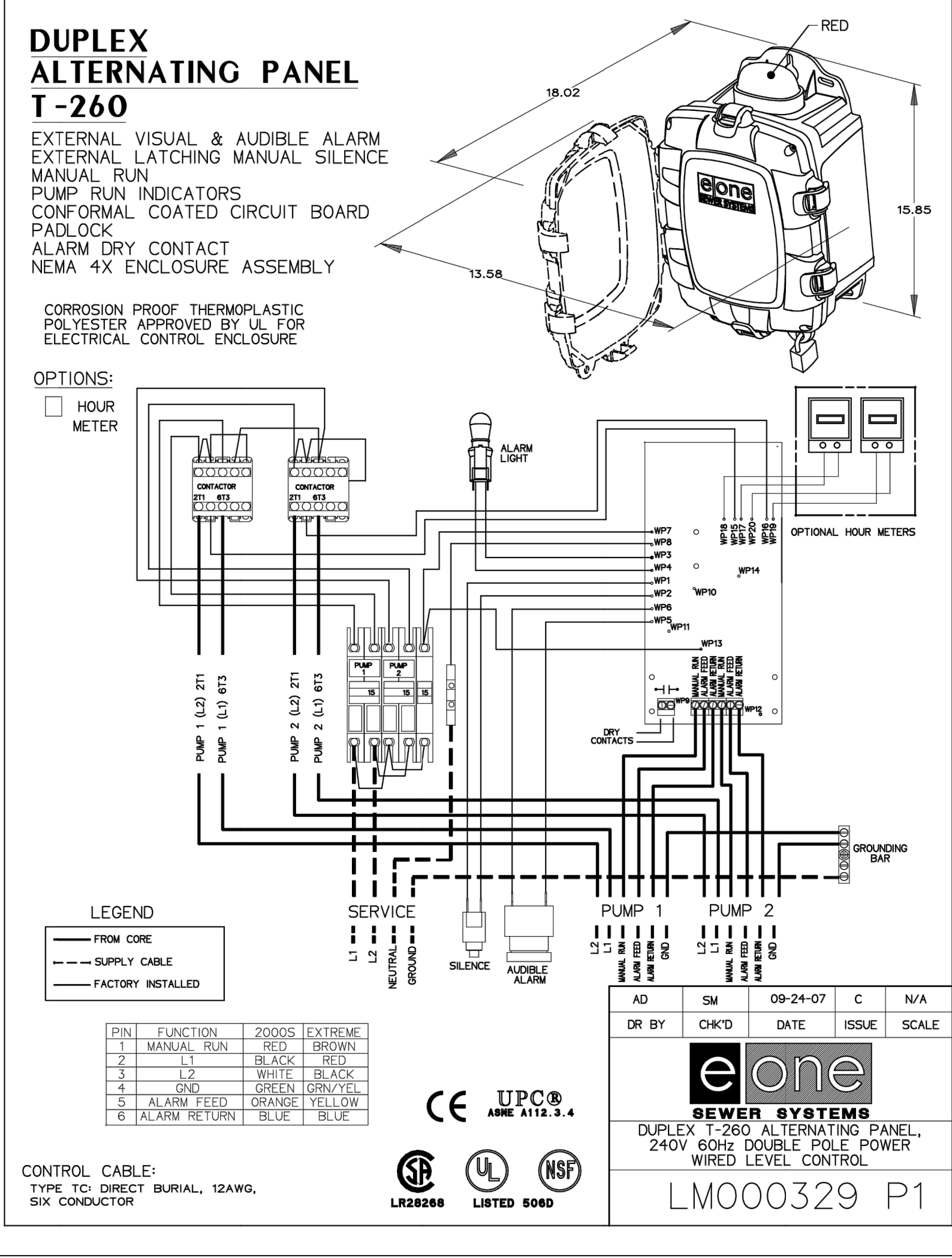
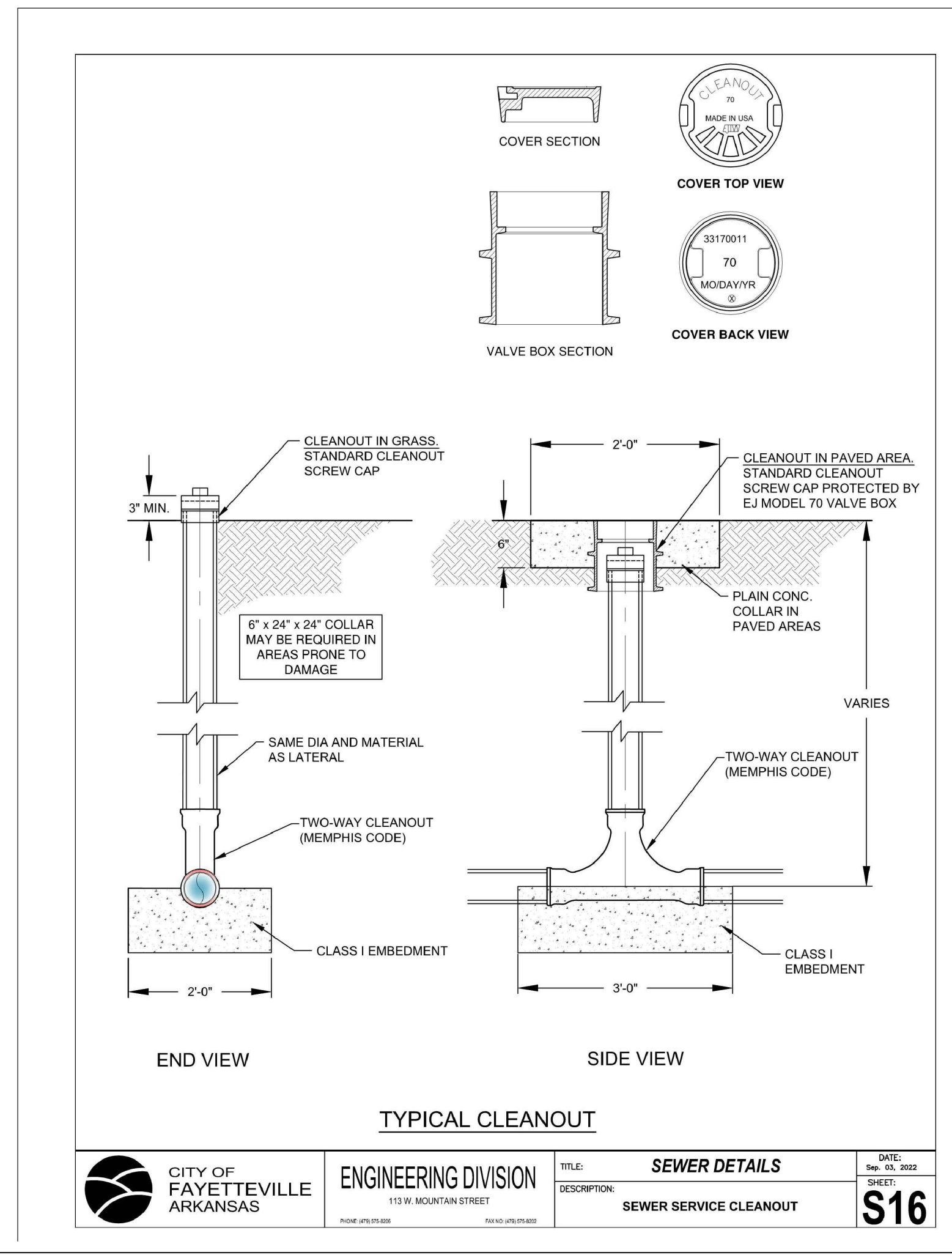
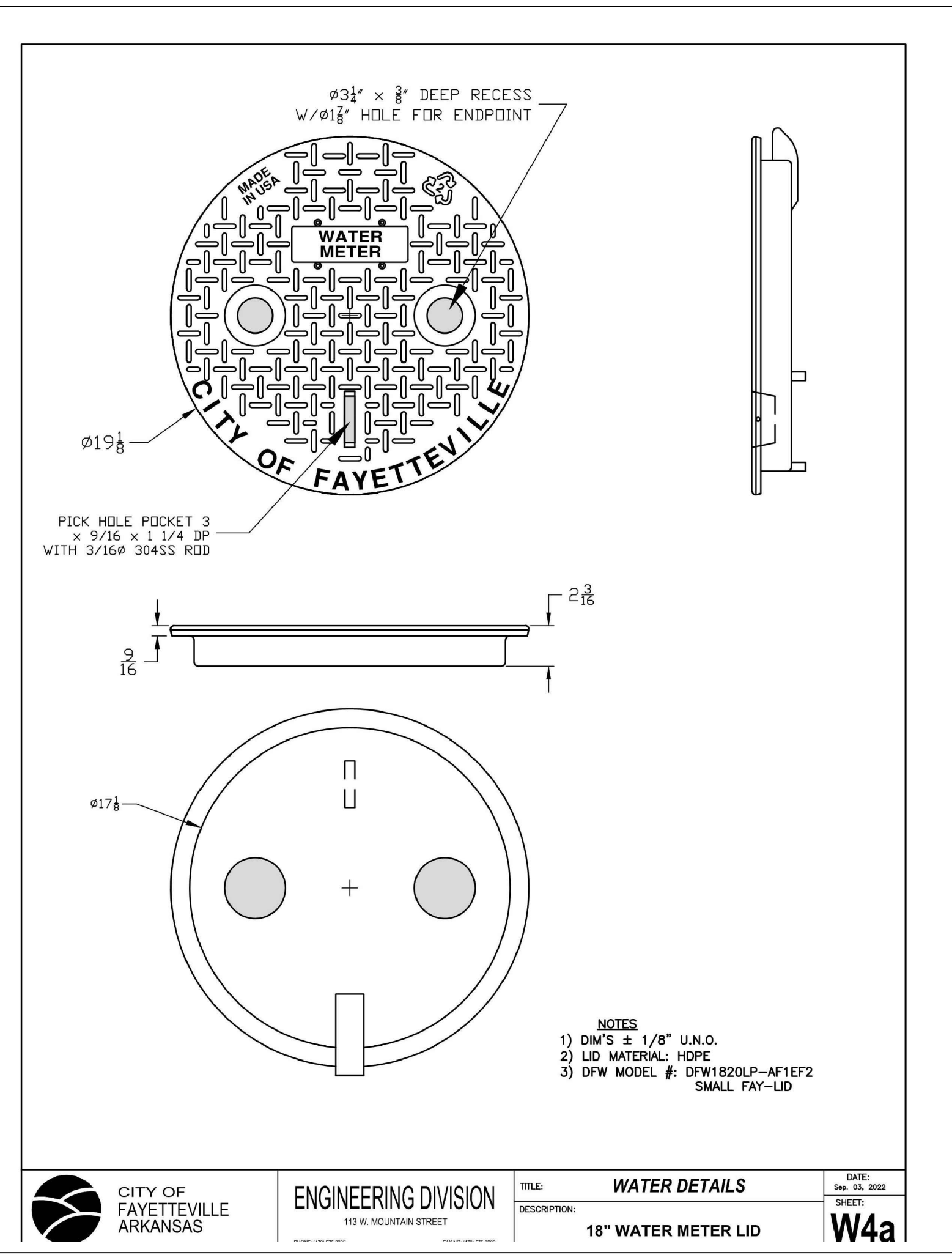
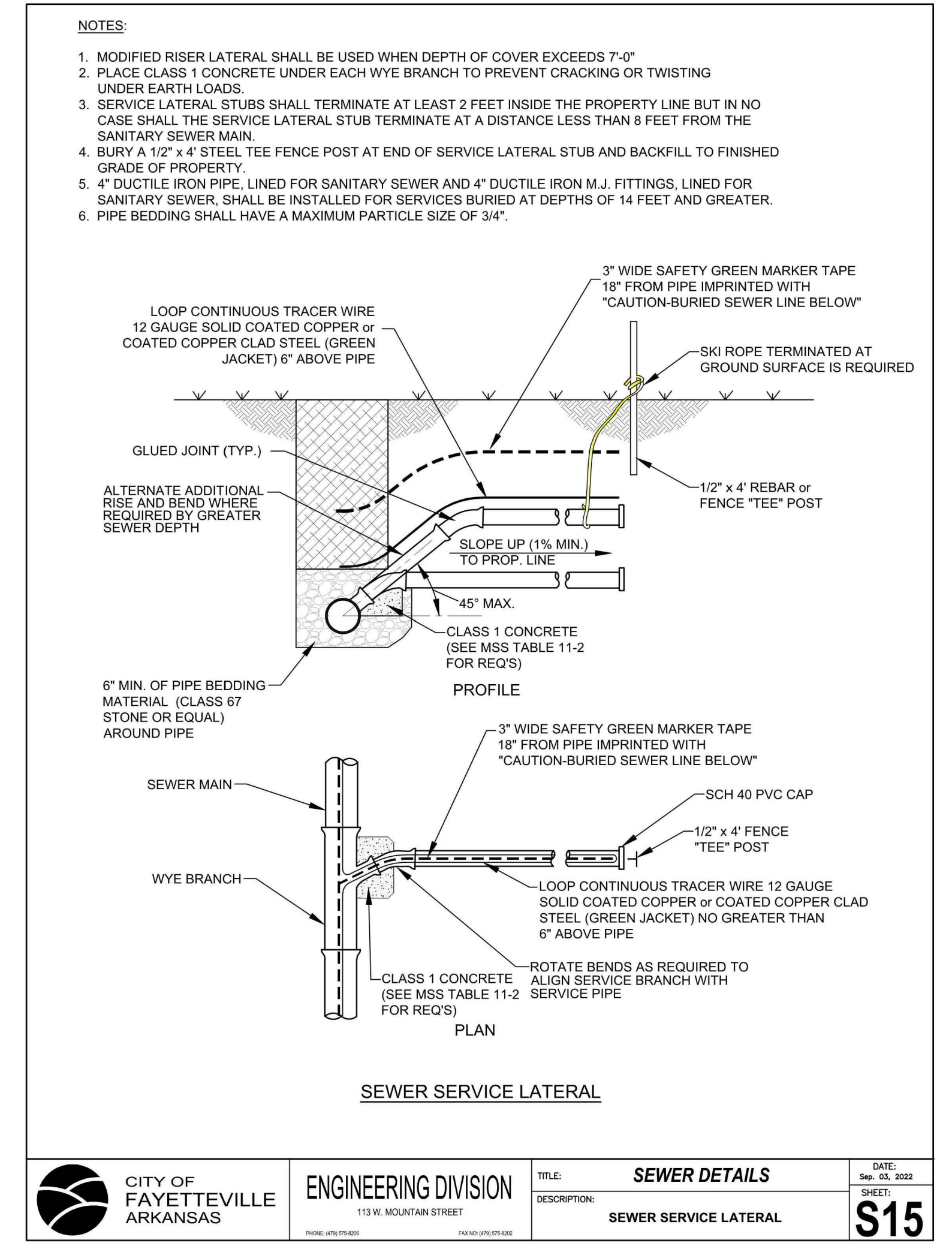
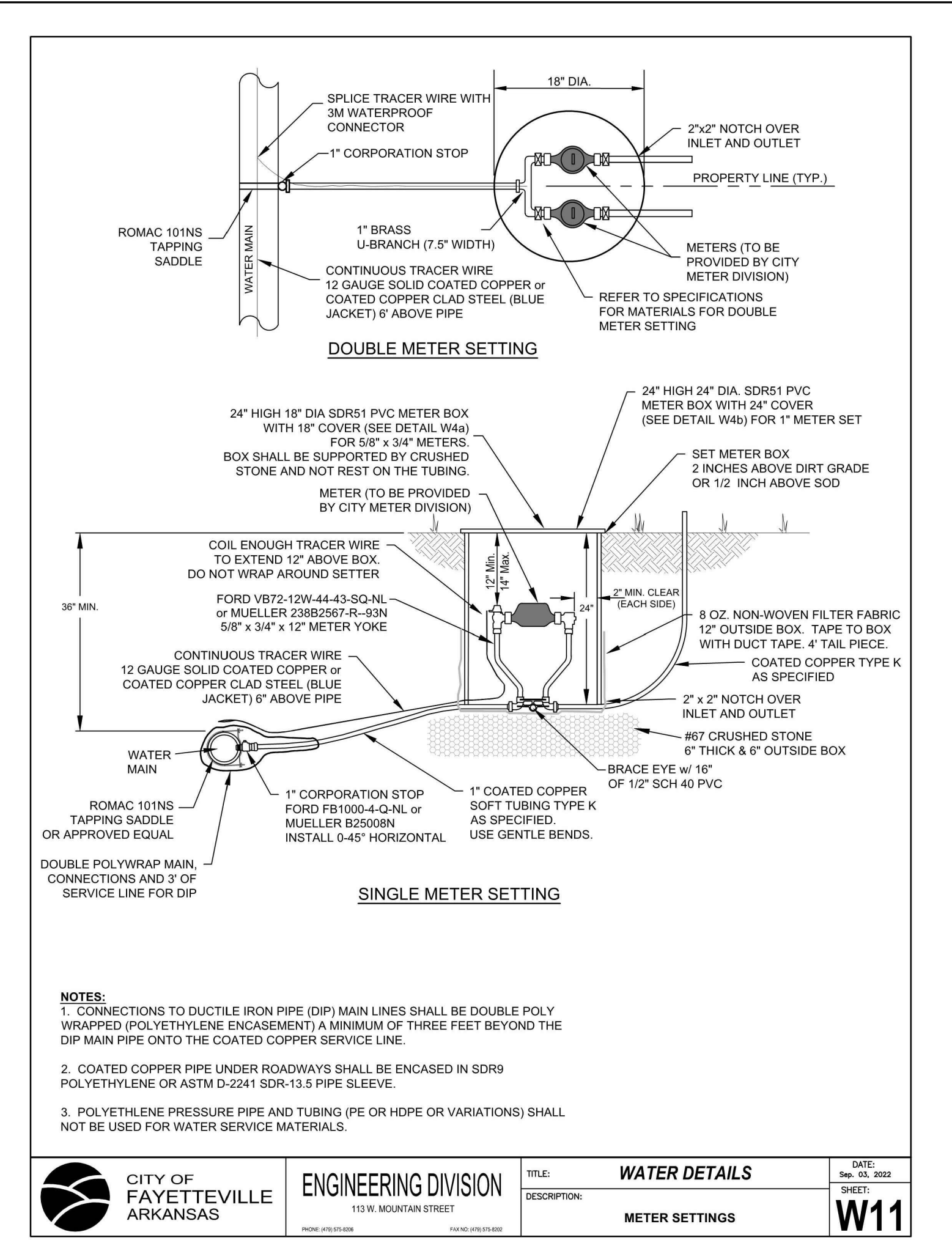
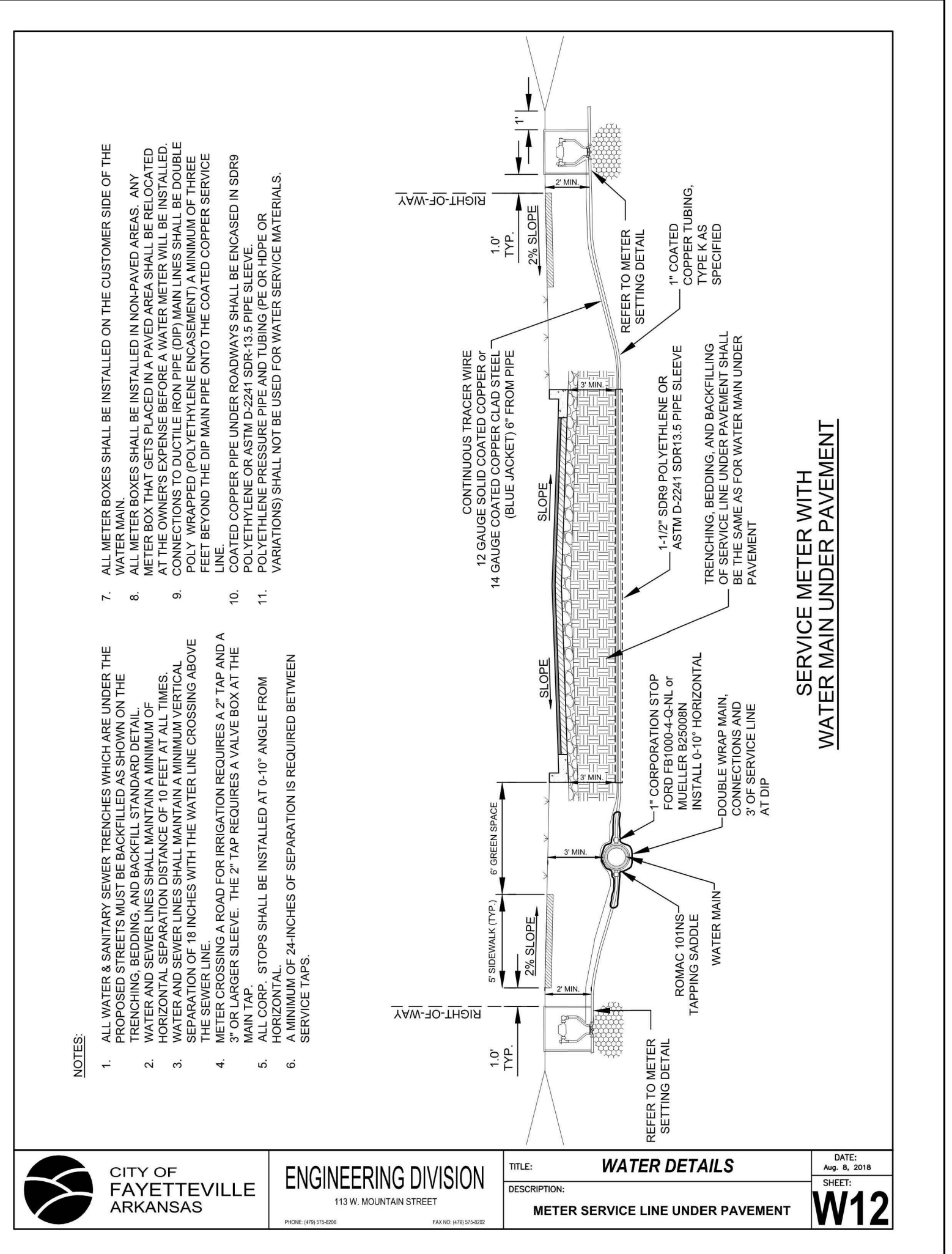
	<b>CITY OF FAYETTEVILLE ARKANSAS</b>	<b>ENGINEERING DIVISION</b> 113 W. MOUNTAIN STREET FAYETTEVILLE, AR 72704	TITLE: <b>WATER DETAILS</b>	DATE: Sep. 03, 2022
			DESCRIPTION: <b>FIRE HYDRANT PLACEMENT</b>	SHEET: <b>W10</b>

PROJECT NO. 21-366

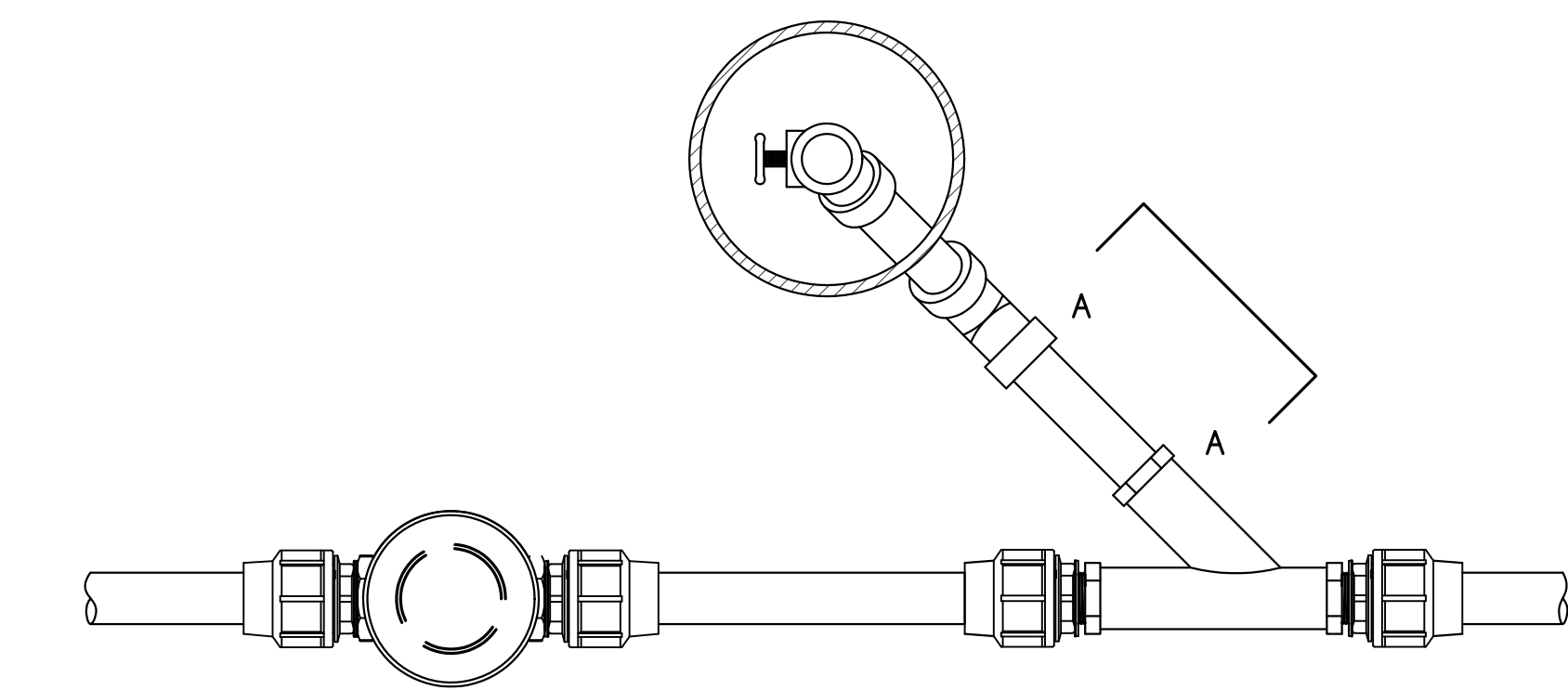
DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL WATER & SEWER PROFILE
11/21/23	COF 1ST SUBMITTAL
12/04/23	MOVED ANNOTATIONS
12/13/23	COF 2ND SUBMITTAL

BRAND NEW CHURCH  
 LARGE SCALE DEVELOPMENT PLANS  
 DETAILS  
 FARMINGTON, ARKANSAS

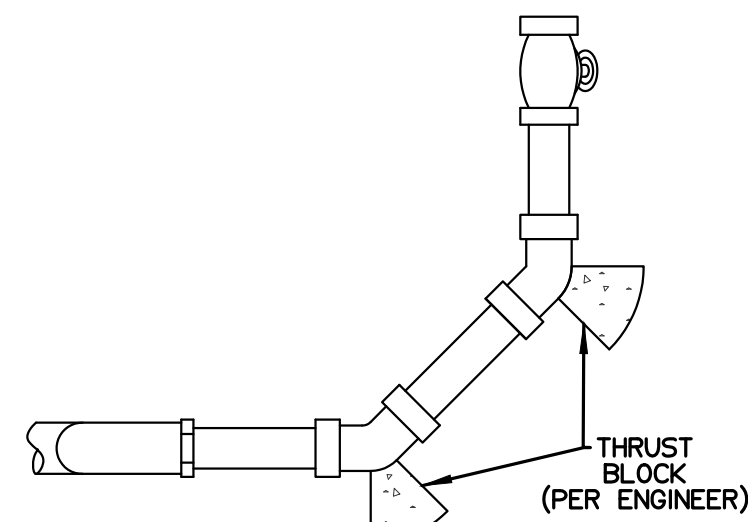
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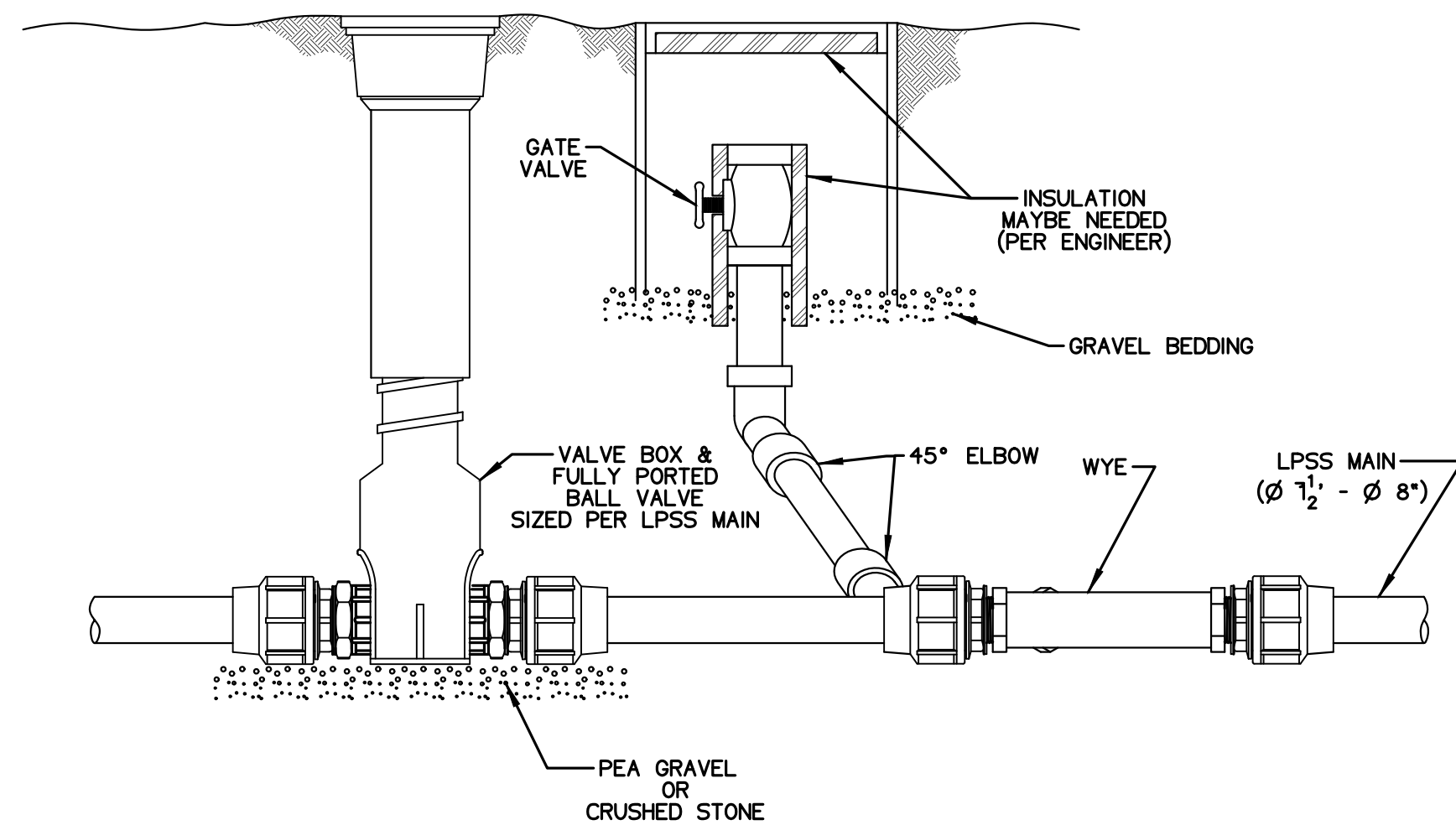
PROJECT NO. 21-366



PLAN VIEW

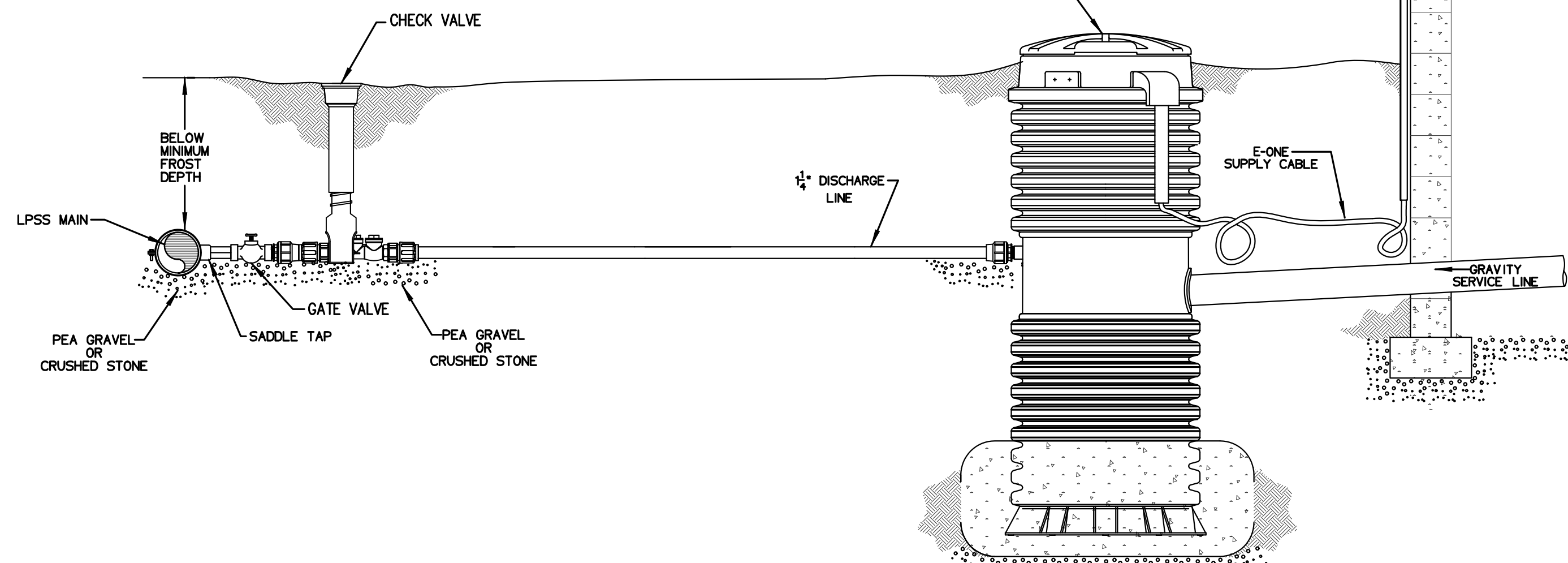


VIEW "A"  
3/4" = 1"



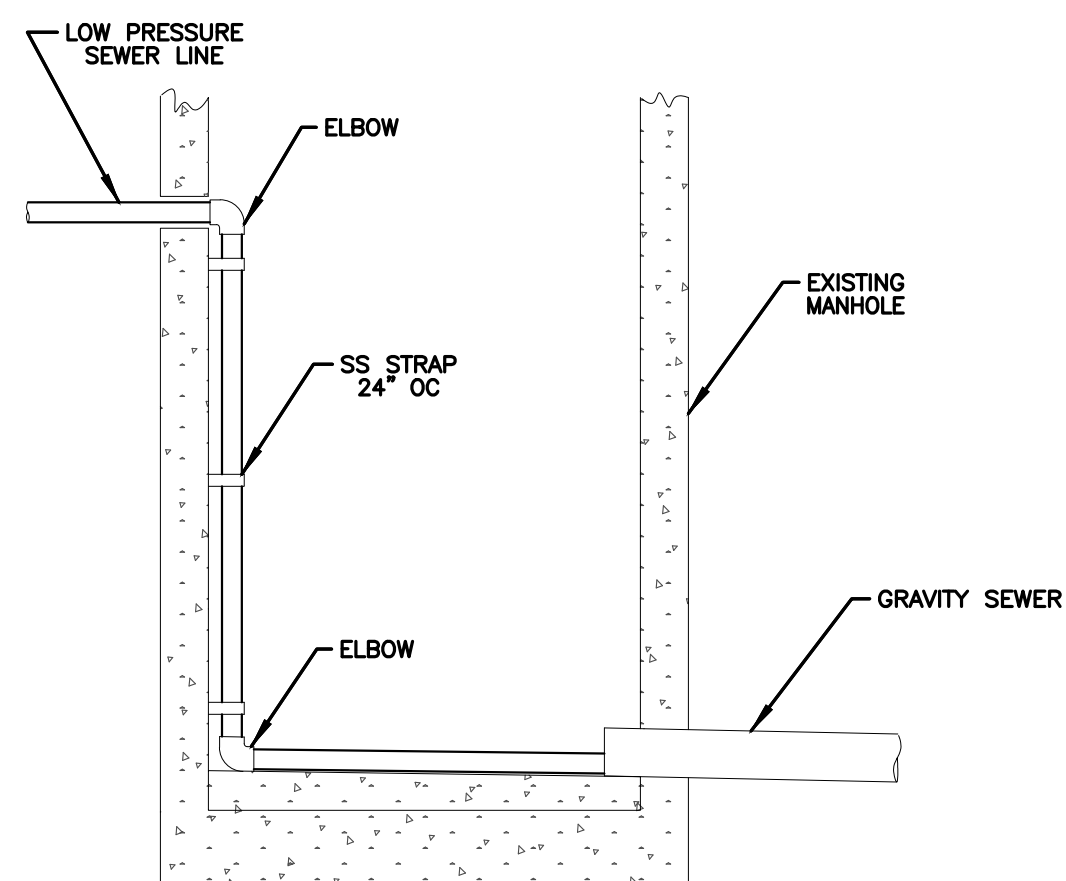
TYPICAL FLUSHING CONNECTION ON LPSS MAIN

NOTE:  
THE CHECK VALVE AND THE GATE VALVE WILL BE ADJACENT TO EACH OTHER AT THE POINT OF CONNECTION.

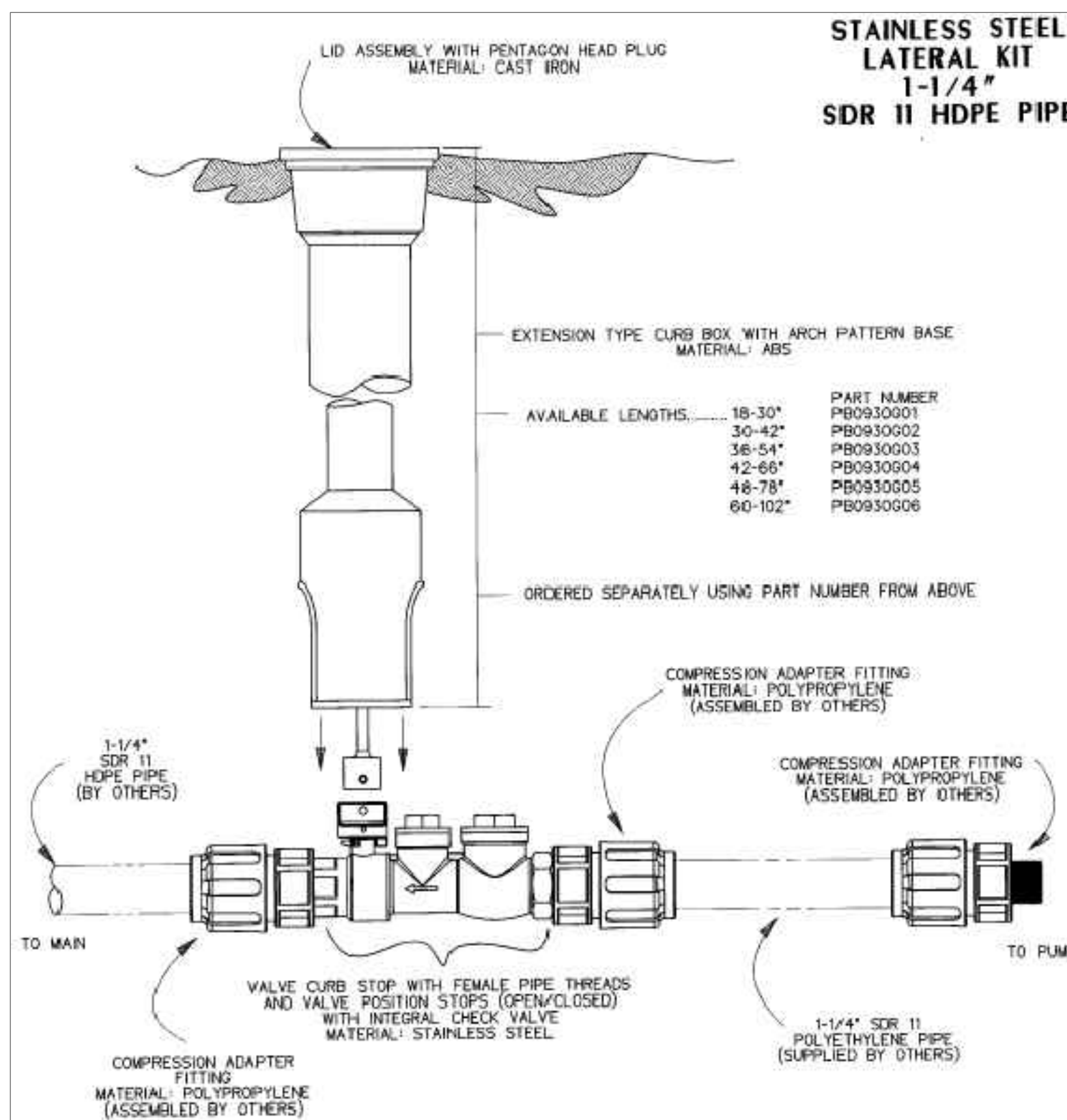


TYPICAL LATERAL INSTALLATION

environment one  
CORPORATION



TYPICAL DROP CONNECTION  
LPSS IN EXISTING MANHOLE

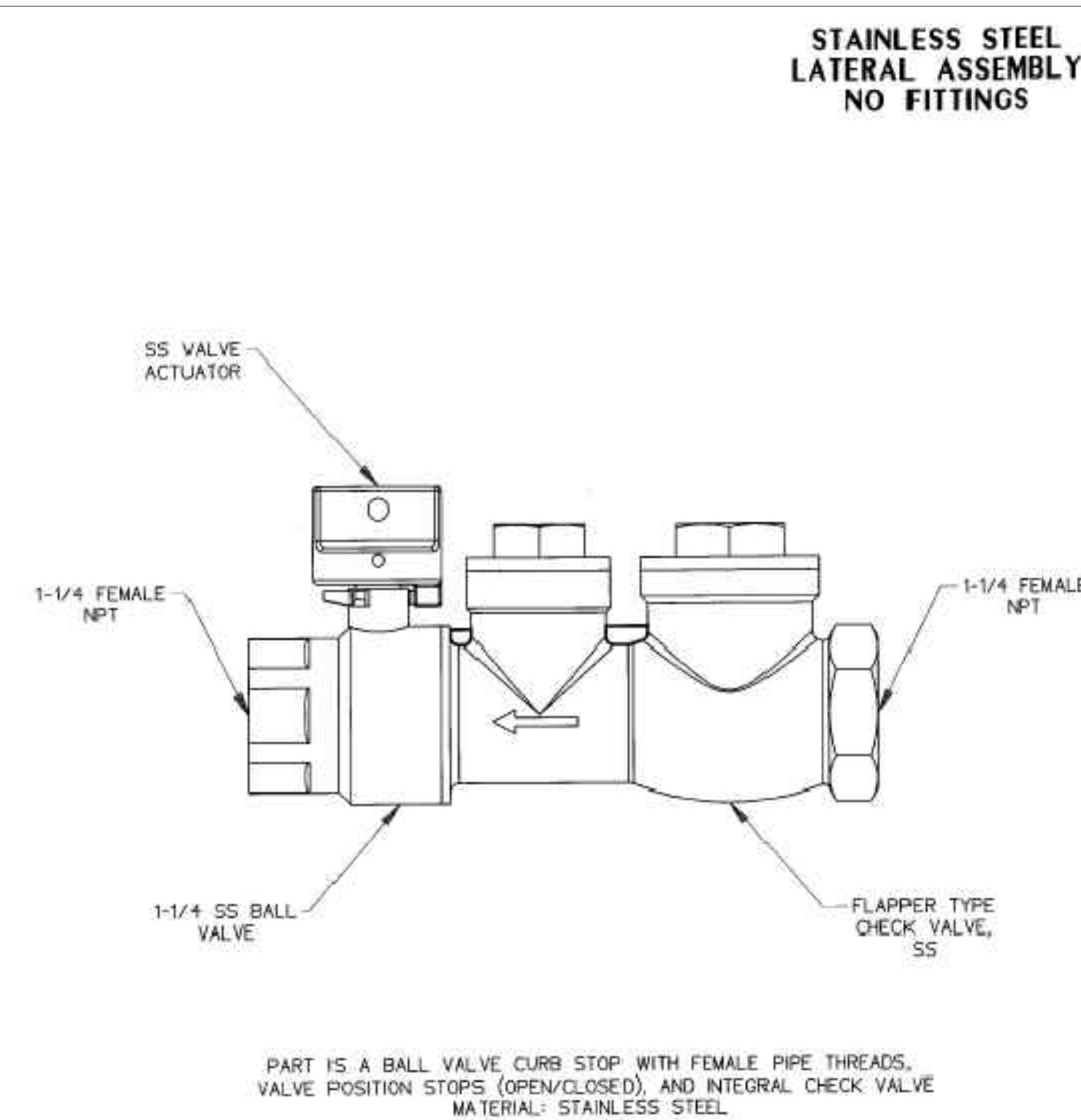


STAINLESS STEEL  
LATERAL KIT  
1-1/4"  
SDR 11 HDPE PIPE

- NOTES:
- SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY OTHERS
  - TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOPE (SUPPLIED BY OTHERS) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS  
\*FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH
  - ASSEMBLY IS TO BE PRESSURE TESTED (BY OTHERS)
  - ASSEMBLY IS TO BE USED WITH SDR11 HDPE PIPE
  - TO ORDER SS LATERAL KIT, USE PART NUMBER NC0193001
  - CURB BOX IS TO BE ORDERED SEPARATELY SEE ABOVE

KIT PARTS ARE NOT ASSEMBLED

SGS	DN	11/02/11	B	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE
<b>eone</b> SEWER SYSTEMS				
STAINLESS STEEL LATERAL KIT 1-1/4" SDR 11 HDPE PIPE				
NA0330P02				



STAINLESS STEEL  
LATERAL ASSEMBLY  
NO FITTINGS

- PRESSURE RATING: 235 PSI
- TO ORDER SS LATERAL, NO FITTINGS  
USE PART NUMBER NB0184P01
- NOTES:
- FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH
  - FOR PLASTIC FITTINGS INTO SS THREAD, USE BOTH PIPE DOPE AND 2 LAYERS OF TEFLON TAPE

SGS	DN	09/20/11	A	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE
<b>eone</b> SEWER SYSTEMS				
STAINLESS STEEL LATERAL ASSEMBLY NO FITTINGS				
NA0330P05				

ENGINEER: G. BATES

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
REGISTERED ENGINEER

DRAWN BY: M. WILLIAMS

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DATE	REVISIONS
10/24/23	1ST SUBMITTAL
11/14/23	2ND SUBMITTAL WATER & SEWER PROFILE
11/21/23	COF 1ST SUBMITTAL
11/27/23	MOVED ANNOTATIONS
12/04/23	COF 2ND SUBMITTAL
12/13/23	COF 2ND SUBMITTAL

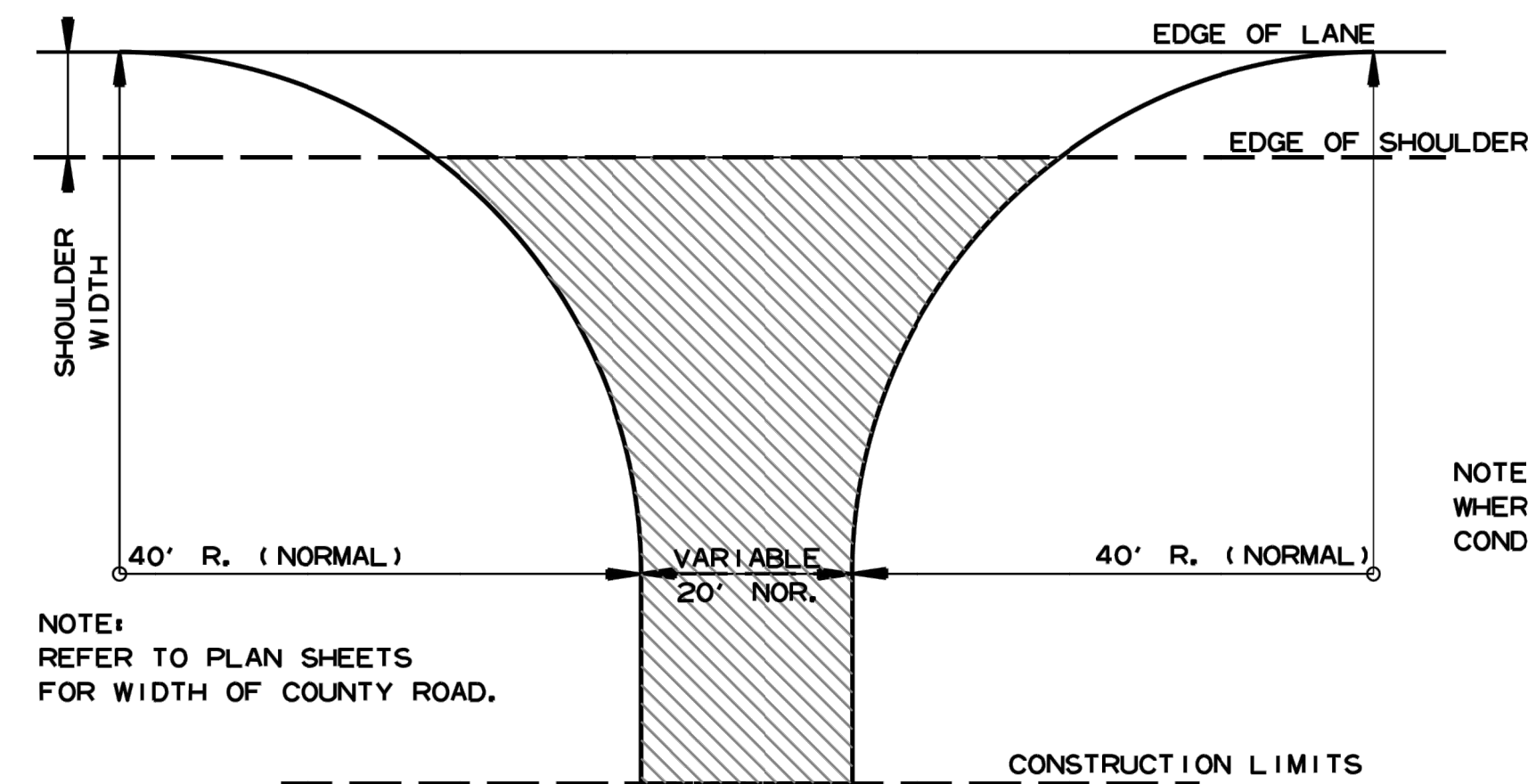
BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
DETAILS  
FARMINGTON, ARKANSAS

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DRAWING NO.  
07.4

PROJECT NO: 21-366

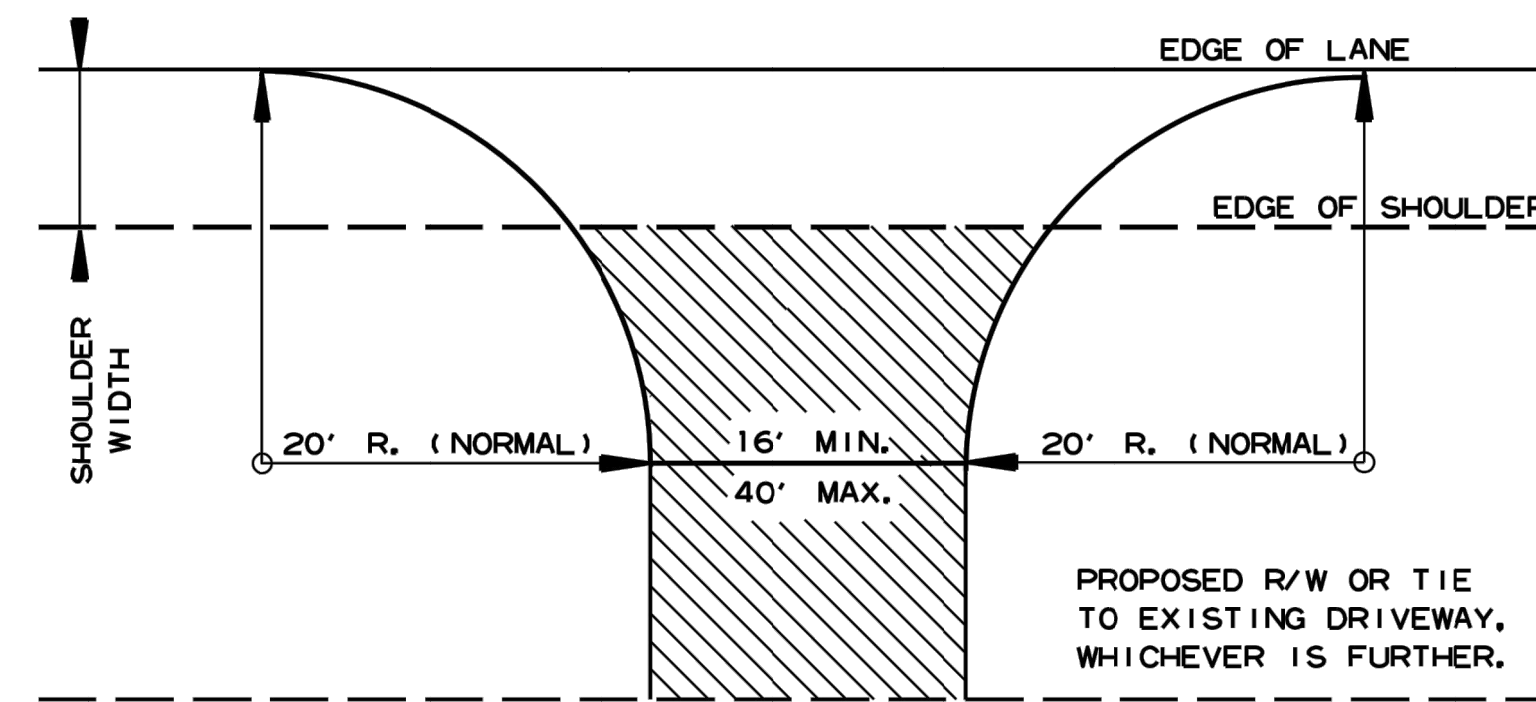


NOTE:  
REFER TO PLAN SHEETS  
FOR WIDTH OF COUNTY ROAD.

NOTE: TURNOUTS SHALL BE MODIFIED  
WHERE NECESSARY TO MEET LOCAL  
CONDITIONS AS DIRECTED BY THE ENGINEER.

ACHM SURFACE COURSE (1/2")  
(220 LBS. PER SQ. YD.) AND  
AGGREGATE BASE COURSE (CLASS 7)  
7" COMP. DEPTH, UNLESS OTHERWISE  
SPECIFIED IN PLANS.

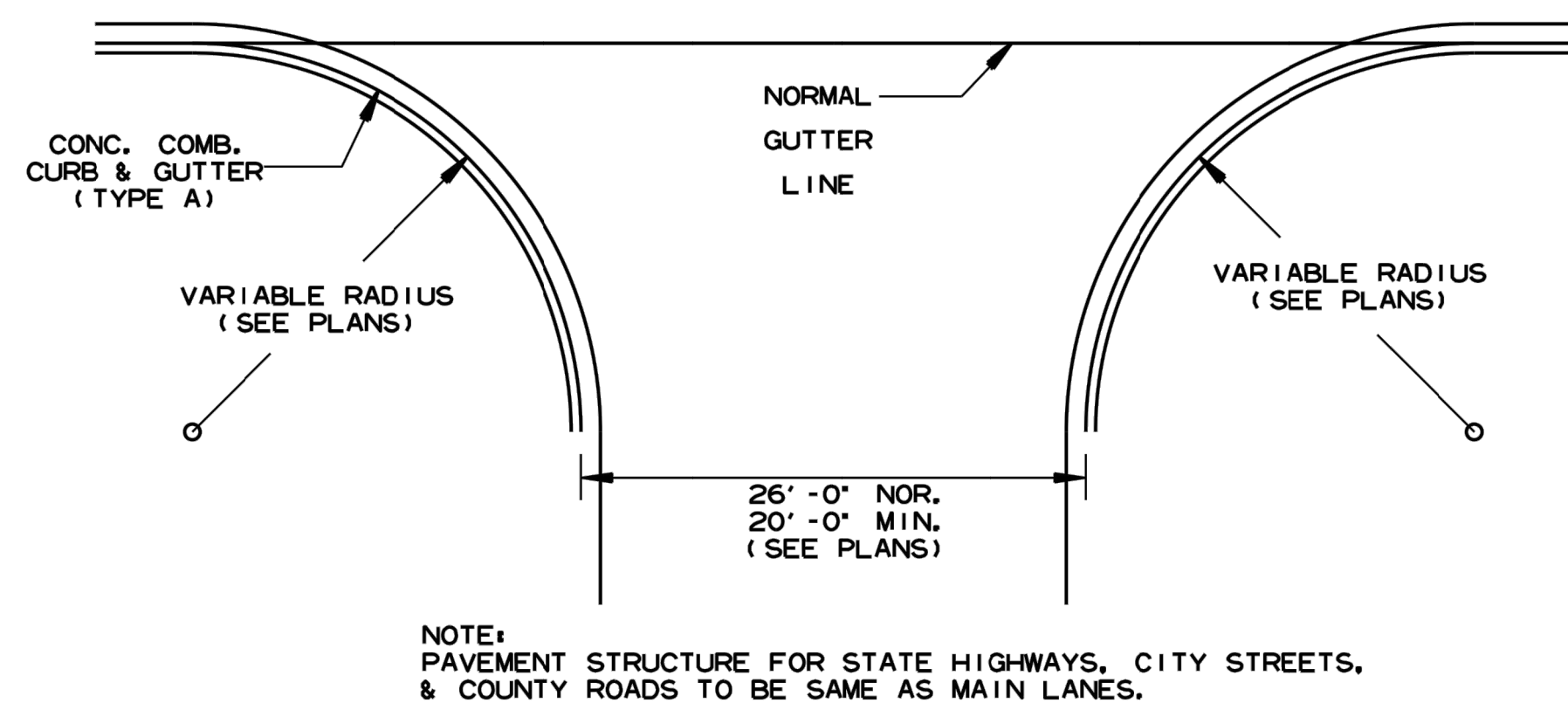
DETAIL FOR COUNTY ROAD TURNOUTS  
OPEN SHOULDER SECTION



NOTE: TURNOUTS AND PRIVATE DRIVES  
SHALL BE MODIFIED WHERE NECESSARY  
TO MEET LOCAL CONDITIONS AS DIRECTED  
BY THE ENGINEER.

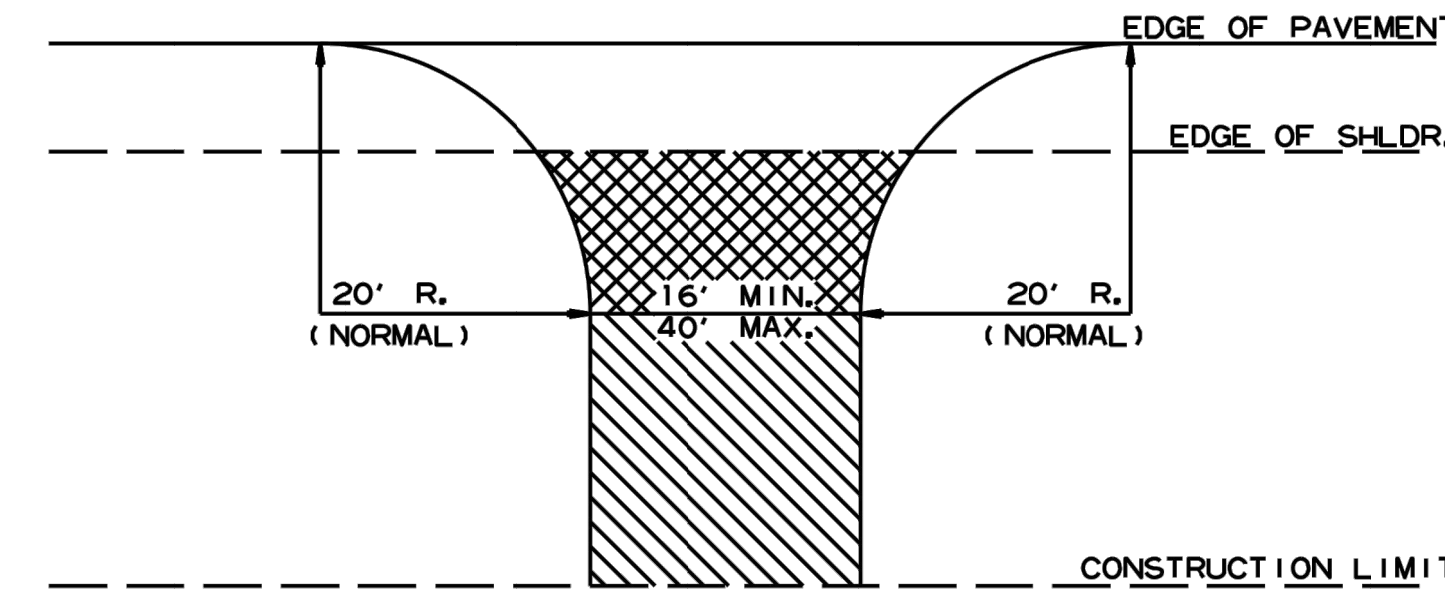
ACHM SURFACE COURSE (1/2")  
(220 LBS. PER SQ. YD.) AND  
AGGREGATE BASE COURSE (CLASS 7)  
7" COMP. DEPTH IF ASPHALT OR  
GRAVEL DRIVE EXISTING, OR 6"  
CONCRETE IF CONCRETE DRIVE  
EXISTING.

DETAIL FOR DRIVEWAY TURNOUTS  
OPEN SHOULDER SECTION  
(ARTERIALS)



NOTE:  
PAVEMENT STRUCTURE FOR STATE HIGHWAYS, CITY STREETS,  
& COUNTY ROADS TO BE SAME AS MAIN LANES.

DETAIL OF TURNOUTS, ASPHALT STREETS,  
COUNTY ROADS & STATE HIGHWAYS  
CURB & GUTTER SECTION



NOTE: TURNOUTS AND PRIVATE DRIVES  
SHALL BE MODIFIED WHERE NECESSARY  
TO MEET LOCAL CONDITIONS AS DIRECTED  
BY THE ENGINEER.

ASPHALT CONCRETE HOT MIX SURFACE  
COURSE (220 LBS. PER SQ. YD.)  
AGGREGATE BASE COURSE (CLASS 7)  
7" COMP. DEPTH IF ASPHALT DRIVE EXIST OR  
6" CONCRETE IF CONCRETE DRIVE EXIST.

AGGREGATE BASE COURSE (CLASS 7)  
9" COMP. DEPTH OR CONFORM  
TO EXISTING DRIVEWAY

DETAIL FOR DRIVEWAY TURNOUTS  
(COLLECTORS)

DATE	REV	DATE FILMED	DESCRIPTION
5-19-22			ISSUED

ARKANSAS STATE HIGHWAY COMMISSION  
DETAILS OF DRIVEWAYS & STREET  
TURNOUTS  
STANDARD DRAWING DR-2

ENGINEER: G. BATES

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GEOFFREY H. BATES

12-13-2023

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ARKANSAS ENGINEER

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BRAND NEW CHURCH  
LARGE SCALE DEVELOPMENT PLANS  
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