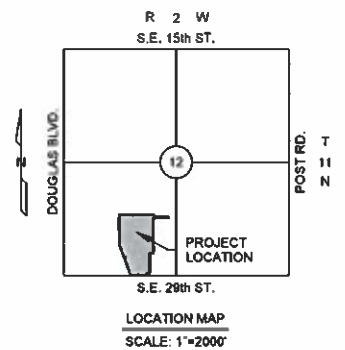


SUMMARY OF QUANTITIES				
ITEM NO.	ITEM	UNIT	QUANTITY	AS-BUILT
<u>WATER LINE QUANTITIES (BY CITY OF MIDWEST CITY)</u>				
1.	8" WATER LINE (C900 PVC)	LF	1237	
2.	8" WATER LINE (C900 PVC)	LF	6	
3.	8"x 8" TEE	EA	1	
4.	8"x 6" TEE	EA	2	
5.	8" GATE VALVE & BOX	EA	3	
6.	8" GATE VALVE & BOX	EA	2	
7.	8"x 90" BEND	EA	3	
8.	8"x 22 1/2" BEND	EA	1	
9.	8" SOLID SLEEVE	EA	2	
10.	FIRE HYDRANT	EA	2	
11.	12" RISER (IF REQ'D)	EA	2	
12.	REMOVE EXIST. 8" PLUG	EA	1	
13.	SAND BACKFILL FOR PIPE BEDDING	CY	201	
14.	DISINFECTION & TESTING	LS	1	
15.	TREE CLEARING	LS	1	
16.	SILT FENCE	LF	1650	
17.	ROCK BAG CHECK DAM	EA	1	

PUBLIC WATER LINE PLAN
TO SERVE
**REED BASEBALL COMPLEX
PUBLIC WATER LINE**
BEING A PART OF THE SW/4, SEC. 12, T11N, R2W, I.M.
AN ADDITION TO THE CITY OF MIDWEST CITY, OKLAHOMA COUNTY, OKLAHOMA



**THE CITY OF
MIDWEST CITY**

Matt Dukes
Mayor



Susan Eads
Ward I
Pat Byrne
Ward II
Rick Dawkins
Ward III
Tim Lyon
City Manager

Sean Reed
Ward IV
Sara Bana
Ward V
Rick Favors
Ward VI
Sara Hancock
City Clerk

SHEET INDEX

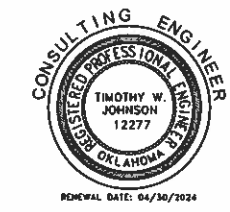
SHEET No.	DESCRIPTION
W1	TITLE SHEET, QUANTITIES
W1.1	WATER LINE NOTES
W2	WATER LINE GENERAL LAYOUT
W3-W4	WATER LINE PLAN & PROFILE
MW1	MIDWEST CITY STANDARD - STD WATER LINE DETAILS
EC1-EC2	EROSION CONTROL PLAN

ONE CALL UTILITY LOCATION NUMBER

**840-5032
1-800-522-6543**

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

PREPARED BY: TIMOTHY W. JOHNSON Reg. No. 12277	SUBMITTAL DATES TO MIDWEST CITY	
	CHECK PRINT #1	05-07-23
	CHECK PRINT #2	DATE
DATE: 12-4-2023		FINAL PLANS
		DATE



JA
Johnson & Associates
111 Sheridan Ave., Suite 200
Oklahoma City, OK 73104
(405) 235-8075 FAX (405) 235-8076 www.jaok.com
Certificate of Authorization #1184 Exp. Date 06-30-2025
ENGINEERS • SURVEYORS • PLANNERS

CONSTRUCTION INSPECTOR:

CONTRACTOR:

RECORDED PLANS FILED:

**ENG. & CONST. SERVICES DEPT.
ENGINEERING DIVISION**

City of Midwest City
 RELEASED FOR CONSTRUCTION
 12/06/23

GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES AND MUST HAVE ALL UTILITIES LOCATED PRIOR TO COMMENCING ANY EXCAVATION. THE CONTRACTOR SHALL VERIFY THE INVERT AND FLOWLINE ELEVATIONS OF ALL WATER LINES, SANITARY SEWERS, STORM DRAINS, DRAINAGE STRUCTURES, AND SURFACE DRAINAGE COURSES PRIOR TO LAYING ANY NEW PIPE. THE CONTRACTOR MUST CALL OKIE AT (405) 840-5032 TO HAVE ALL PUBLIC UTILITIES (WATER AND SANITARY SEWER LINES) AND FRANCHISED UTILITIES (ELECTRIC LINES, TELEPHONE CABLES, FIBER OPTIC LINES, CABLE TELEVISION, GAS LINES AND OIL PIPELINES) LOCATED AT LEAST TWO (2) DAYS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES AND STRUCTURES, WHETHER SHOWN OR NOT. BOTH PUBLIC AND PRIVATE. ANY DAMAGE TO A UTILITY LINE OR STRUCTURE, BECAUSE OF THE CONTRACTOR'S ACTIONS, SHALL BE REPAIRED SOLELY AT THE CONTRACTOR'S EXPENSE TO A CONDITION AS GOOD OR BETTER THAN THAT PRIOR TO THE DAMAGE. THE CONTRACTOR MUST CALL 9-1-1 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED OR OTHERWISE DISTURBED. THE MIDWEST CITY FIRE DEPARTMENT AND OKLAHOMA NATURAL GAS CO. MUST INSPECT THE PIPE BEFORE WORK CAN RESUME AT THAT LOCATION.
- THE CONTRACTOR MUST NOTIFY THE FOLLOWING PERSONS AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF PLACING OR REMOVING ANY BARRICADES OR OTHERWISE MODIFYING EXISTING TRAFFIC CONTROL DEVICES OR PLACING ANY TEMPORARY TRAFFIC CONTROL DEVICE:

ENGINEER (405) 739-1215
CONSTRUCTION INSPECTOR (405) 739-1226
- THE CONTRACTOR MUST NOTIFY ALL AFFECTED CITY UTILITY CUSTOMERS AT LEAST TWO (2) WORKING DAYS PRIOR TO ANTICIPATED SERVICE INTERRUPTION. ALL WORK MUST BE CARRIED OUT CAREFULLY TO MINIMIZE CUSTOMER SERVICE INTERRUPTION DURING CONSTRUCTION. STREETS TEMPORARILY CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION SHALL REMAIN OPEN TO LOCAL TRAFFIC TO THE MAXIMUM EXTENT PRACTICAL DURING THE WORK. DETOUR ROUTES SHALL BE FURNISHED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH AND ERECT ALL DETOUR SIGNAGE AS DIRECTED. WHERE WORK IS CARRIED ON, IN OR ADJACENT TO ANY STREET, ALLEY OR PUBLIC PLACE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, FURNISH AND ERECT SUCH BARRICADES, FENCES, LIGHTS AND/OR OTHER PROTECTIVE BARRIERS, AND TAKE SUCH OTHER PRECAUTIONARY MEASURES FOR THE PROTECTION OF PERSONS OR PROPERTY AND OF THE WORK AS ARE NECESSARY. A SUFFICIENT NUMBER OF BARRICADES SHALL BE ERECTED TO KEEP VEHICLES FROM BEING DRIVEN INTO ANY WORK UNDER CONSTRUCTION. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL RESULT IN THE ENGINEER SHUTTING DOWN THE WORK UNTIL THE CONTRACTOR HAS PROVIDED THE NECESSARY PROTECTION. ALL SUCH BARRICADES AND SIGNS AND THE USE THEREOF SHALL BE IN STRICT COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PART IV - TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL CONSTRUCTION MATERIALS AND WORK SHALL CONFORM TO THE APPLICABLE CITY OF MIDWEST CITY AND THE 1996 OKLAHOMA DEPARTMENT OF TRANSPORTATION (ODOT) STANDARDS AND SPECIFICATIONS WITH THE ADDITIONAL SUPPLEMENTS, AS REFERENCED IN THE PROJECT DOCUMENTS.
- ALL ELEVATIONS SHOWN ARE ON THE MEAN SEA LEVEL (M.S.L.) DATUM. ALL DIMENSIONS TO CURB ARE TO THE BACK OF CURB. ALL DIMENSIONS TO STREET "CENTERLINES" ARE TO THE CENTERLINE OF THE RIGHT-OF-WAY OR SECTION LINE.
- THE CONTRACTOR SHALL DEVELOP AND MAKE ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION. THE COST OF THE CONSTRUCTION SURVEY AND STAKING SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.

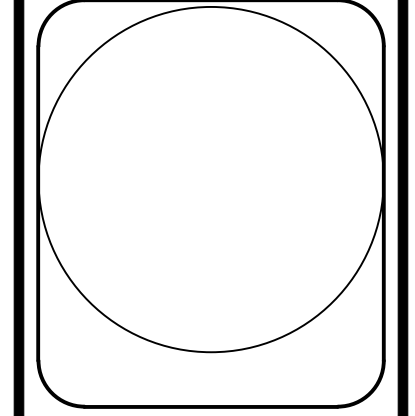
GENERAL CONSTRUCTION NOTES

- ALL FENCES REMOVED AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE REPLACED IN KIND WITH FENCING EQUAL TO OR BETTER THAN THE ORIGINAL FENCE. ALL COSTS FOR FENCE REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.
- ALL WORK NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED INCIDENTAL CONSTRUCTION AND THE COST FOR SUCH SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.
- SEDIMENT CONTROL FOR UTILITY CONSTRUCTION IS REQUIRED. TRENCHES MUST BE BACKFILLED AT THE END OF EACH DAY'S WORK. NO MORE TRENCH SHALL BE OPENED THAN CAN BE COMPLETED IN THE SAME DAY UNLESS TEMPORARY SILT FENCE IS PLACED IMMEDIATELY DOWNSTREAM OF ANY AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY. EXCAVATED MATERIALS SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
- CITY PERSONNEL ARE NOT PERMITTED TO ENTER ANY TRENCH OR EXCAVATION MORE THAN FIVE (5) FEET DEEP, FOR ANY REASON, UNLESS IT IS SLOPED OR SHORED IN ACCORDANCE WITH 29 CFR 1926 OSHA SUBPART P, "EXCAVATIONS AND TRENCHES."
- ALL DISTURBED, UNPAVED AREAS WITHIN EASEMENTS AND RIGHT-OF-WAY SHALL BE SEEDED, FERTILIZED, AND WATERED IN ACCORDANCE WITH ODOT SPECIFICATIONS SECTION 232, "SEEDING", AS REQUIRED UNDER THE "REVEGETATION" PAY ITEM IF PROVIDED OR AS NOTED OTHERWISE ON THE PLANS. SEEDED AREAS SHALL BE REPAIRED AND MAINTAINED UNTIL ALL PORTIONS OF THE PROJECT ARE COMPLETE AND APPROVED FOR FINAL ACCEPTANCE. ALL OTHER AREAS DISTURBED AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE RESTORED IN A MANNER ACCEPTABLE TO THE ENGINEER TO A CONDITION AS GOOD OR BETTER THAN THAT PRIOR TO THE DISTURBANCE AT NO EXPENSE TO THE CITY.
- THE CITY SHALL FURNISH BACTERIOLOGICAL WATER LINE TESTING AT NO EXPENSE TO THE CONTRACTOR FOR MUNICIPALLY FUNDED PROJECTS.
- ALL REMOVED SALVAGEABLE ITEMS SHALL REMAIN THE PROPERTY OF THE CITY AND SHALL BE STOCKPILED IN AN AREA WITHIN THE PROJECT LIMITS DESIGNATED BY THE ENGINEER FOR COLLECTION BY CITY FORCES.
- ALL DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESHAPED AND SLOPED TO DRAIN. SOLID SLOB SOD SHALL BE USED IN ALL AREAS WHERE SOIL HAS BEEN EXPOSED AND POSITIVE MEANS OF SOD STABILIZATION SHALL BE USED TO PREVENT DISPLACEMENT OF SOD BY STORM WATERS.
- EROSION CONTROL DEVICES IN THE FORM OF SEDIMENT FENCES ORE REQUIRED AT DRIVEWAY CULVERTS, STREET CULVERTS, DRAINAGE STRUCTURES, STORM SEWER MANHOLES AND SANITARY SEWER MANHOLES LOCATED IN DITCHES WHERE SOIL HAS BEEN DISTURBED. THOSE ITEMS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND THE COST SHALL BE INCLUDED IN OTHER ITEMS.

WATER LINE MATERIALS AND CONSTRUCTION NOTES

- PVC PRESSURE PIPE SHALL BE AWWA C-900, PRESSURE CLASS 200 AND WITH A MINIMUM DIMENSION RATIO OF FOURTEEN (DR-14).
- ALL WATER LINE FITTINGS AND VALVES SHALL BE PHYSICALLY RESTRAINED BY MEANS OF RESTRAINED JOINT FITTINGS. THIS WILL BE ACCOMPLISHED BY USE OF "MEGALUG" JOINT RESTRAINT PRODUCTS OR AN APPROVED EQUAL. PIPE JOINTS THAT LIE WITHIN THE "RESTRAINED LENGTH", AS INDICATED IN THE "DUCTILE IRON PIPE RESTRAINED LENGTH" TABLE OF THE SPECIFICATIONS WILL BE RESTRAINED BY "MEGALUG" PRODUCTS, OR ON APPROVED EQUAL, IF MECHANICAL JOINT PIPE IS AVAILABLE. THE USE OF PIPE MANUFACTURERS' "RESTRAINED JOINT" GASKETS FOR USE IN PUSH-ON DUCTILE IRON PIPE, SUCH AS AMERICAN FAST-GRIP GASKETS, OR ON APPROVED EQUAL, IS ALSO ACCEPTABLE.
- SAND BACKFILL SHALL BE PLACED IN ALL TRENCHES UP TO GROUND LEVEL WHERE WATER LINES CROSS BELOW PROPOSED OR EXISTING PAVEMENTS. PAVEMENT CUTS SHALL BE RESTORED IN ACCORDANCE WITH THE CITY'S STANDARD DETAILS.
- SERVICE LINE SHALL BE 3/4" TYPE K COPPER TUBING MANUFACTURED IN ACCORDANCE WITH AWWA C800. SPLICES IN NEW SERVICE LINES ARE NOT PERMITTED. CORPORATION STOPS SHALL BE 3/4" STRAIGHT BODY BALL TYPE VALVES WITH AN AWWA STANDARD TAPERED THREADED INLET AND TUBE COMPRESSION TYPE OUTLET. CORPORATION STOPS SHALL BE FORD FB1000-3-G (WITH GRIP JOINT OUTLET CONNECTION), A.Y. MCDONALD 4701-BT, MUELLER 300 PART NUMBER B-250008 WITH "CC" INLET AND "110" OUTLET, OR ON APPROVED EQUAL. METER VALVES SHALL BE 3/4"-90° ANGLE BALL TYPE VALVES HAVING PADLOCK WINGS WITH A TUBE COMPRESSION TYPE INLET AND COUPLING NUT OUTLET FOR CONNECTION TO 5/8"x 3/4" OR 3/4" WATER METERS. METER VALVES SHALL BE FORD BA43-332W-G (WITH GRIP JOINT OUTLET CONNECTION), A.Y. MCDONALD 4602-8T, MUELLER 300 PART NUMBER B-24273 WITH "110" INLET, OR ON APPROVED EQUAL.
- METER BOXES SHALL BE CONSTRUCTED OF U.V. STABILIZED HIGH DENSITY POLYETHYLENE AND SHALL CONFORM GENERALLY TO THE MINIMUM REQUIREMENTS PROVIDED IN THE APPENDIX OF THE PROJECT SPECIFICATIONS. METER BOXES SHALL HAVE A MINIMUM TOP OPENING OF 12" AND A LOCKING CAST IRON LID.
- FIRE HYDRANTS SHALL MEET OR EXCEED ALL APPLICABLE REQUIREMENTS OF ANSI/AWWA C502. HYDRANTS SHALL BE THE DRY BARREL TYPE HAVING ONE PUMPER NOZZLE AND TWO HOSE NOZZLES. FIRE HYDRANTS SHALL BE MUELLER "CENTURION", KENNEDY "GUARDIAN", U.S. PIPE AND FOUNDRY "METROPOLITAN", AMERICAN CAST IRON PIPE "AMERICAN DARLING", CLOW "MEDALLION", OR AN APPROVED EQUAL. ALL HYDRANTS PROVIDED FOR FIRE PROTECTION SHALL RECEIVE TWO (2) COATS OF SILVER PAINT. ALL HYDRANTS INSTALLED FOR FLUSHING DEAD END LINES AND NOTED AS SUCH ON THE PLANS SHALL BE INSTALLED WITH THE STEAMER NOZZLE TURNED AWAY FROM THE STREET AND SHALL BE PAINTED RED.
- ALL EXISTING WATER LINES HAVING A DIAMETER LARGER THAN 2" SHALL BE DISCONNECTED FROM THE DISTRIBUTION SYSTEM AND SHALL BE PLUGGED WITH CONCRETE. DISCONNECTED WATER LINES 2" IN DIAMETER AND SMALLER SHALL BE PERMANENTLY CAPPED IN A MANNER ACCEPTABLE TO THE ENGINEER.
- ALL WATER LINES SHALL BE PRESSURE AND LEAKAGE TESTED AND DISINFECTED IN ACCORDANCE WITH THE REQUIREMENTS OF OKLAHOMA ADMINISTRATIVE CODE (OAC) TITLE 252, CHAPTER 625, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS 252.626-19-2 (5) AND (6). PRESSURE AND LEAKAGE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600. ALL NEW, CLEANED OR REPAIRED WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH OAC 252-630, PUBLIC WATER SUPPLY OPERATION.
- ALL WATER LINE INSTALLED WITHIN A CASING PIPE SHALL BE SUPPORTED BY MEANS OF PERMANENTLY ATTACHED SKIDS OR CASING SPACERS. CASING SPACERS SHALL BE ADVANCED PRODUCTS AND SYSTEMS (APS) INC., STEEL BAND CASING SPACER MODEL SJ OR AN APPROVED EQUAL. CASING SPACERS SHALL BE AT LEAST 11" LONG AND RUNNERS SHALL BE AT LEAST 1" WIDE. SPACERS SHALL BE INSTALLED WITHIN 1 FOOT OF ALL JOINTS ON BOTH SIDES OF THE JOINT AND AT INTERVALS ALONG THE PIPE BARREL NOT EXCEEDING 12 FEET ON CENTER. SPACERS WILL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. ALL CASING ENDS WILL BE SEALED UTILIZING A MODULAR MECHANICAL SEAL AND ALL CASINGS WILL HAVE AT LEAST ONE (1) 2" VENT. ALL PIPE JOINTS WITHIN THE CASING PIPE MUST BE RESTRAINED.
- ALL PROPOSED WATER METERS AND FIRE HYDRANTS TO BE LOCATED OUTSIDE OF THE PROPOSED SIDEWALK.
- TRACER WIRE (CONDUCTOR) - INSTALL ONE (1) STRAND OF NUMBER TWELVE (12) GAUGE COPPER TRACER WIRE ALONG TOP OF ALL PVC PIPING. BRING TO TOP OF GROUND AND ANCHOR ALL VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES.

NO.	REVISIONS		DATE
	DESCRIPTION	DATE	



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**REED BASEBALL COMPLEX
 PUBLIC WATER LINE**

MIDWEST CITY, OKLAHOMA COUNTY, OKLAHOMA

WATER LINE NOTES

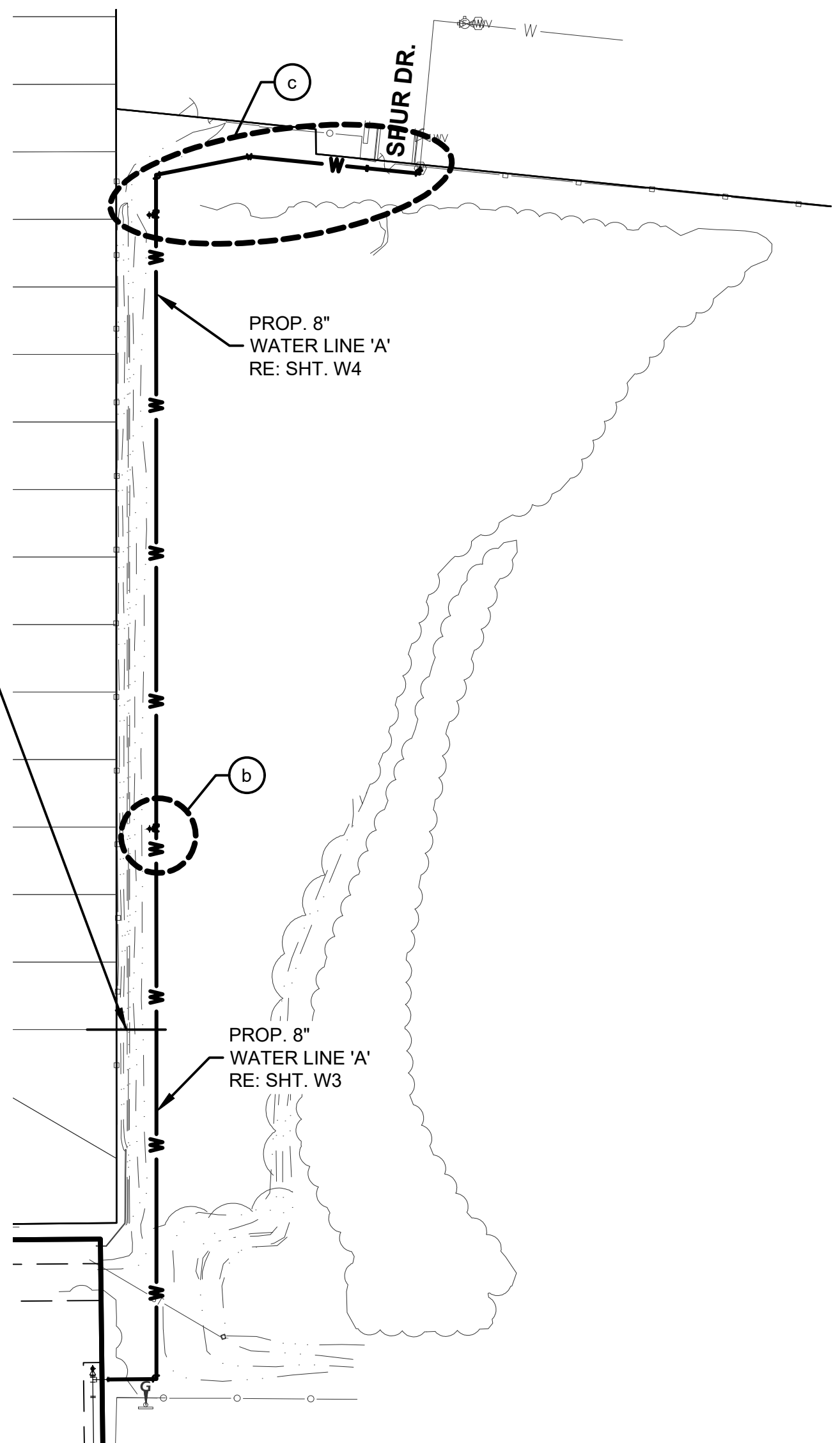
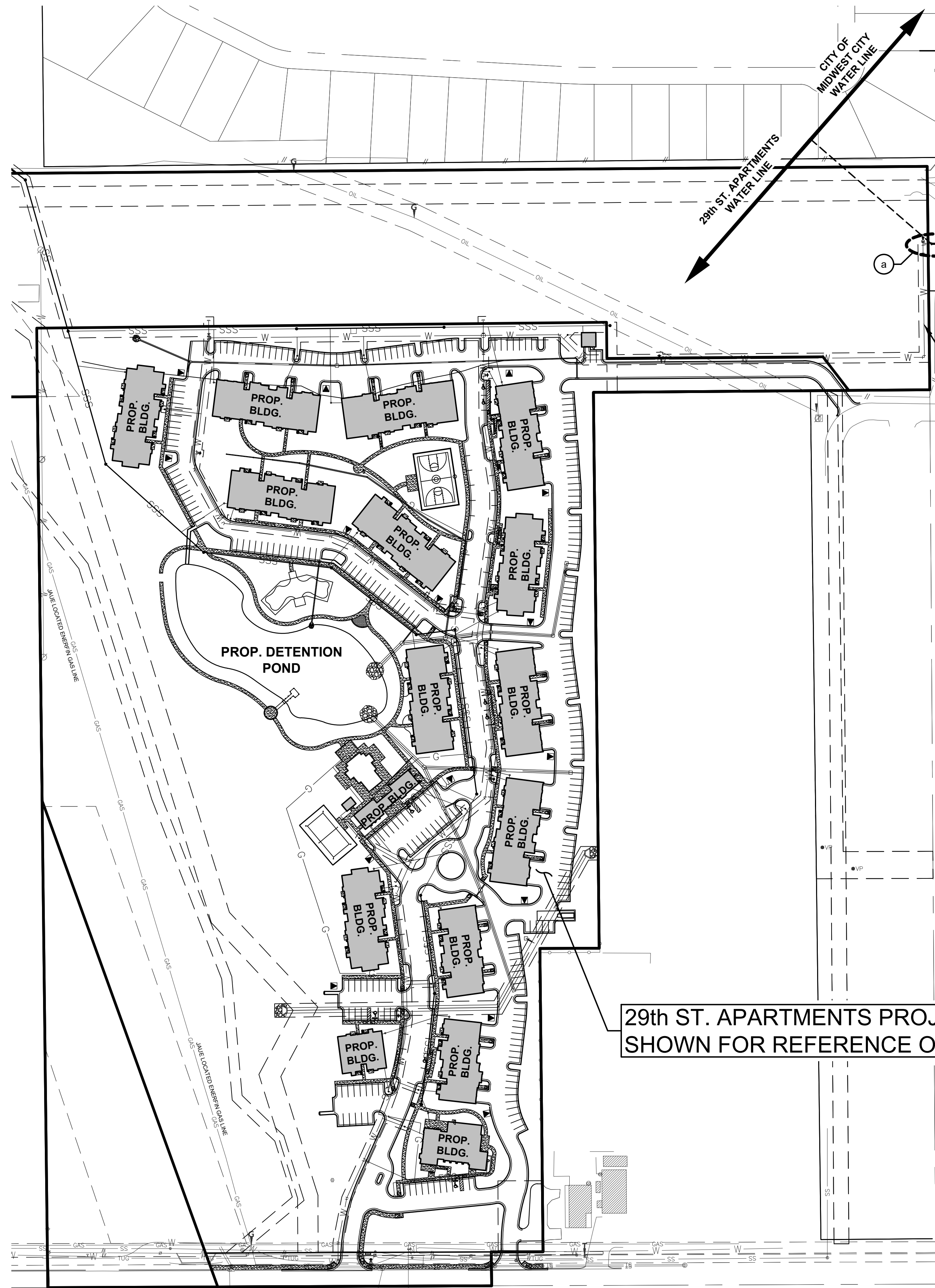
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 Approved By: _____

ONE CALL UTILITY LOCATION NUMBER
 840-5032
 1-800-522-6543

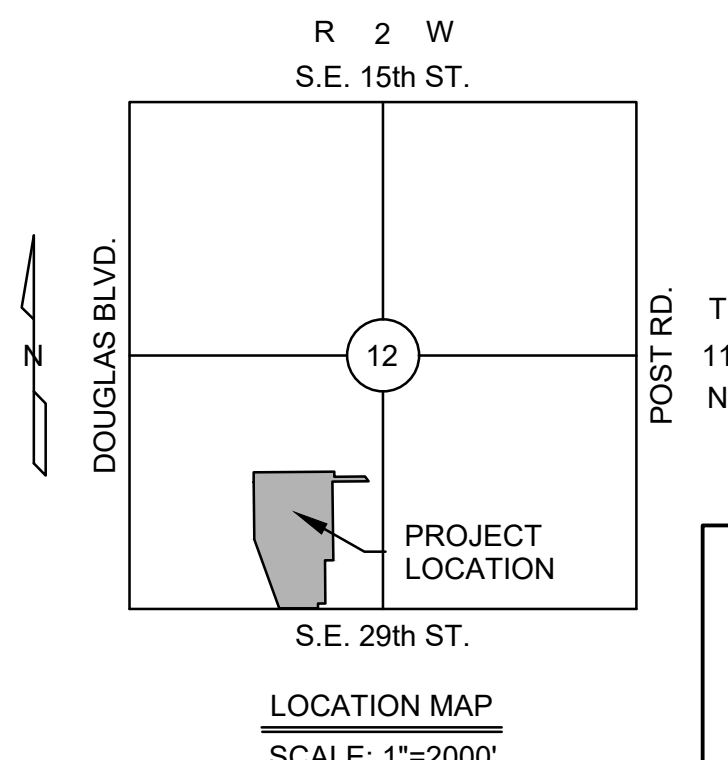
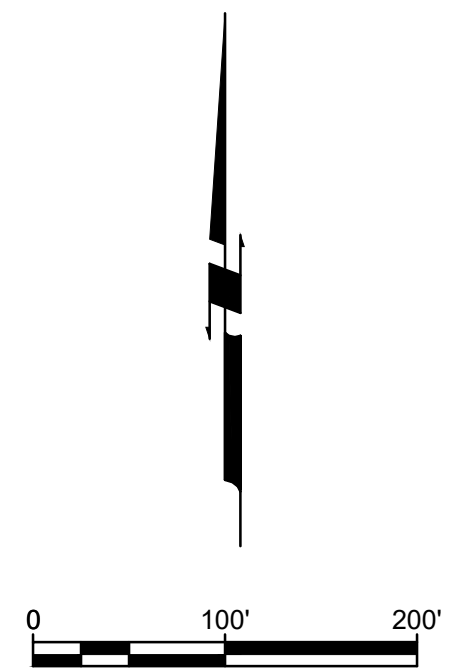
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SHEET NUMBER
W1.1

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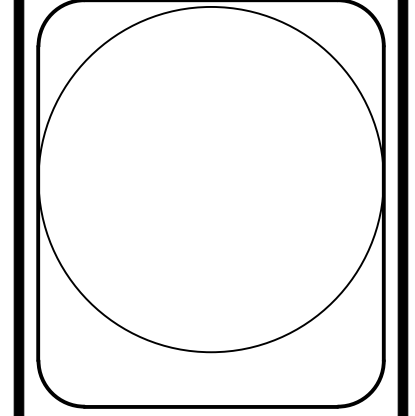
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1-8"x 90° BEND
- b 1-8"x 6" TEE
1-8" GATE VALVE & BOX
1-6" GATE VALVE & BOX
1-FIRE HYDRANT
1-12" RISER (IF REQ'D)
- c 1-8"x 6" TEE
2-8" GATE VALVE & BOX
1-6" GATE VALVE & BOX
2-8"x 90° BEND
1-8"x 22 1/2" BEND
1-8" SOLID SLEEVE
1-FIRE HYDRANT
1-12" RISER (IF REQ'D)



ONE CALL UTILITY LOCATION NUMBER
840-5032
1-900-522-6543

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NO.	REVISIONS DESCRIPTION	DATE



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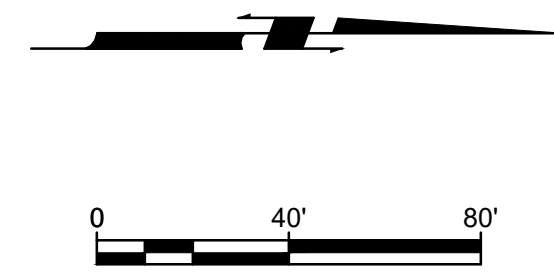
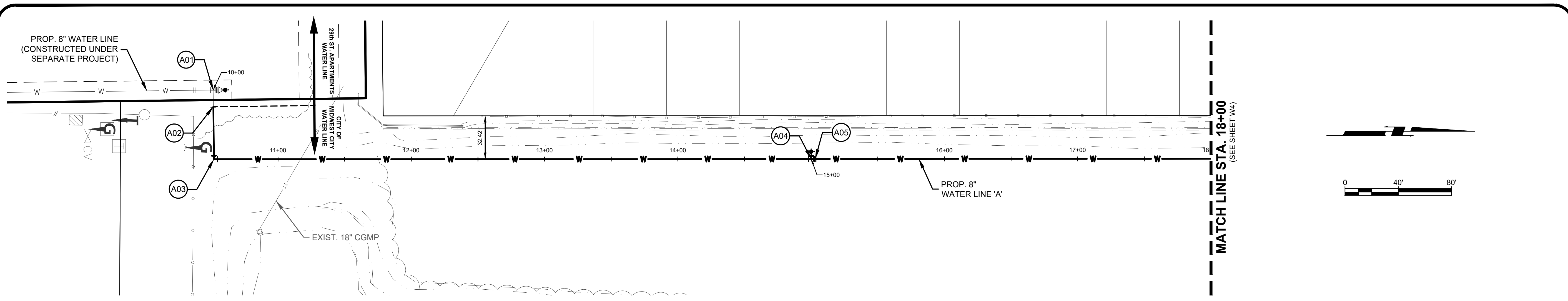
**REED BASEBALL COMPLEX
PUBLIC WATER LINE**
MIDWEST CITY, OKLAHOMA COUNTY, OKLAHOMA

WATER LINE GENERAL LAYOUT

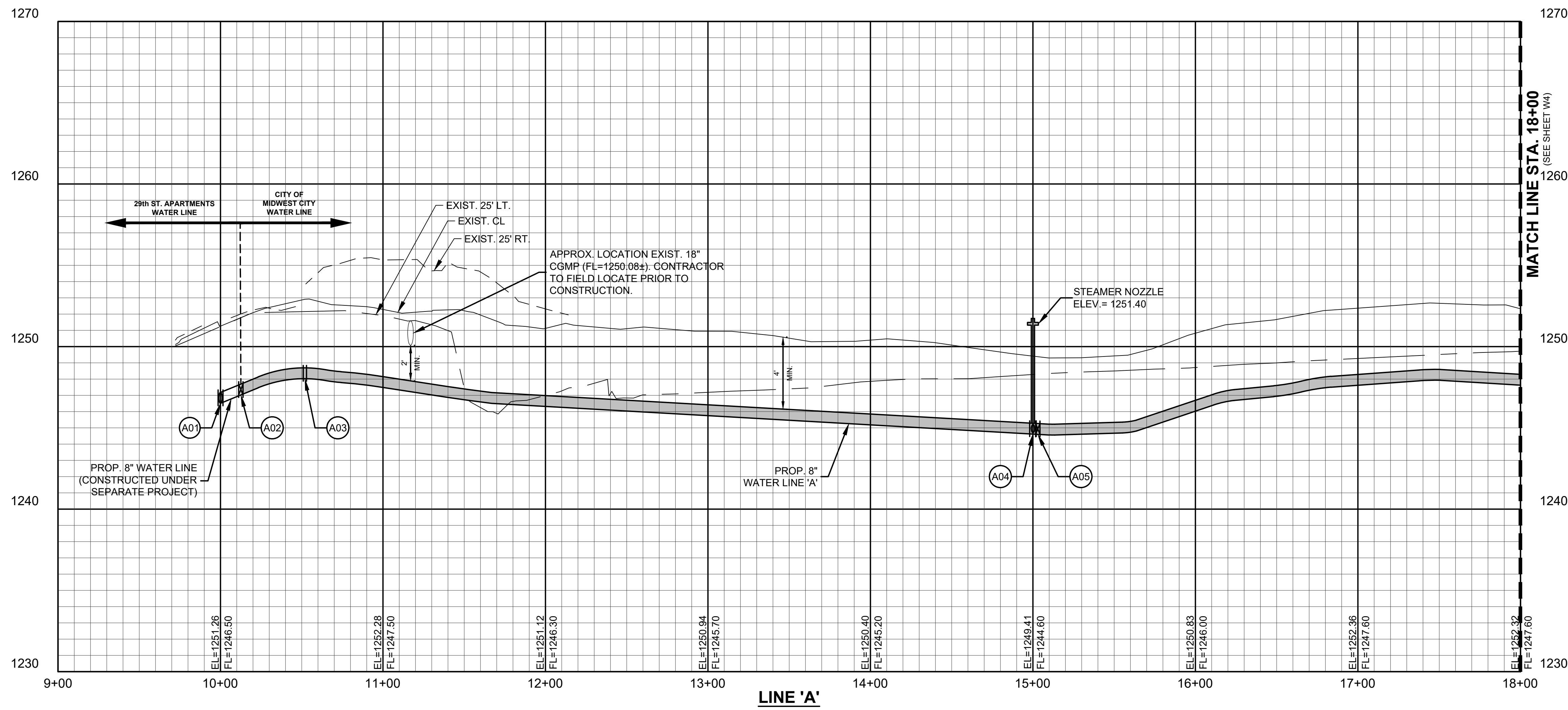
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Date: 12-04-23
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Checked By:
Approved By:

SHEET NUMBER
W2

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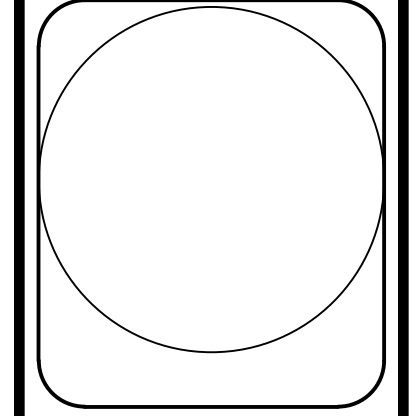
- A01** STA. 10+00-CL LINE 'A'
1-8" x 8" TEE
(CONSTRUCTED UNDER SEPARATE PROJECT)
FL=1246.50
- A02** STA. 10+12.50-CL LINE 'A'
1-8" GATE VALVE & BOX
(MJ FITTINGS w/ BLIND FLANGES ON EAST SIDE)
(CONSTRUCTED UNDER SEPARATE PROJECT)
BEGIN CONSTRUCTION LINE 'A'
CONST. 1-8" SOLID SLEEVE (IF NEEDED)
FL=1247.00
- A03** STA. 10+51.90-CL LINE 'A'
CONST. 1-8" x 90° BEND
FL=1248.00
- A04** STA. 15+00-CL LINE 'A'
CONST. 1-8" x 6" TEE
3 LF 6" WATER LINE
1-6" GATE VALVE & BOX
1-FIRE HYDRANT
1-12" RISER (IF REQ'D)
FL=1244.60 (8")
FL=1244.70 (6")
- A05** STA. 15+03-CL LINE 'A'
CONST. 1-8" GATE VALVE & BOX
FL=1244.60



ONE CALL UTILITY LOCATION NUMBER
840-5032
1-800-522-6543

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NO.	REVISIONS DESCRIPTION	DATE



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Oklahoma City, OK 73104
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**REED BASEBALL COMPLEX
PUBLIC WATER LINE
MIDWEST CITY, OKLAHOMA COUNTY, OKLAHOMA
WATER LINE PLAN & PROFILE
LINE 'A'**

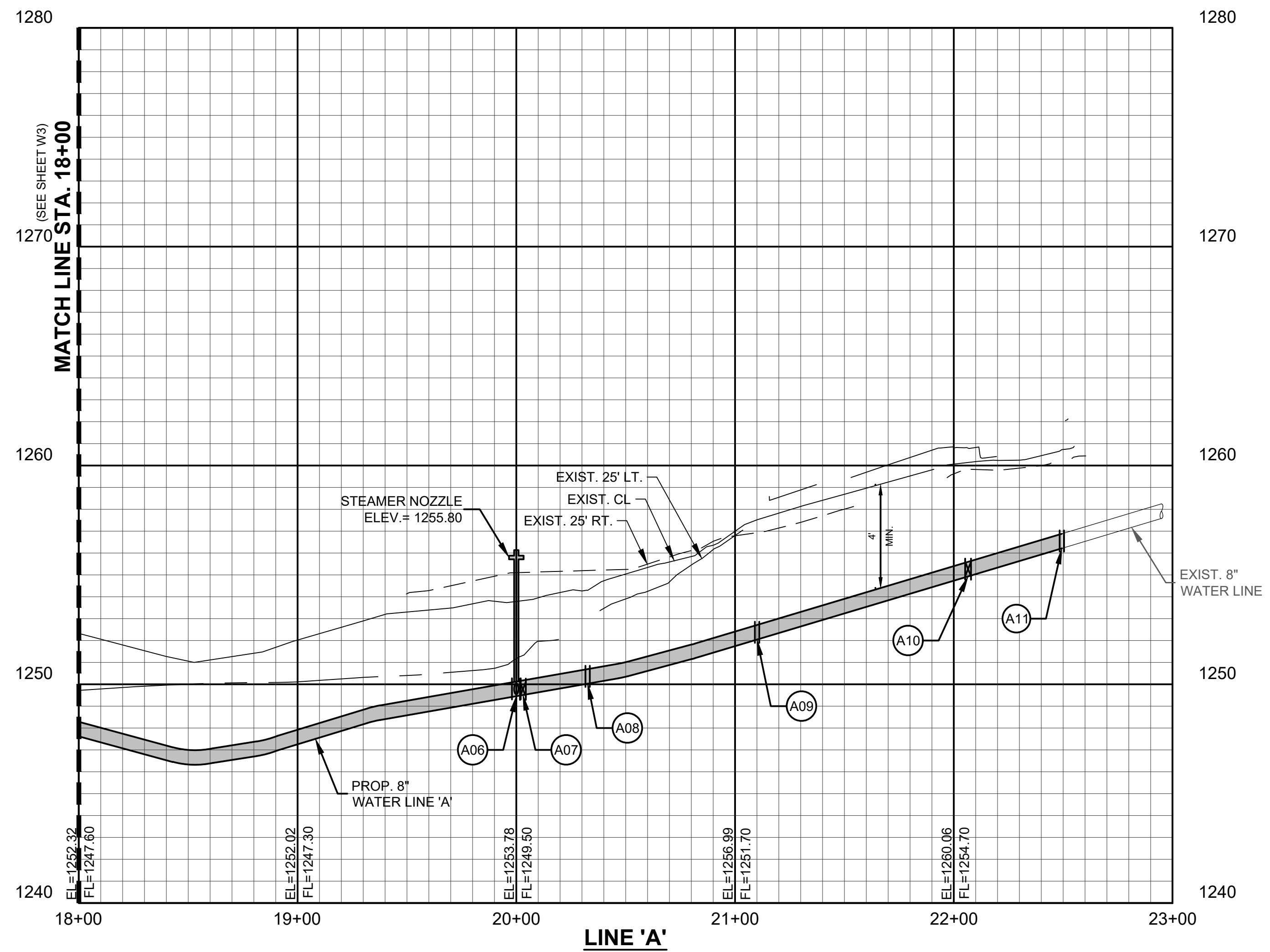
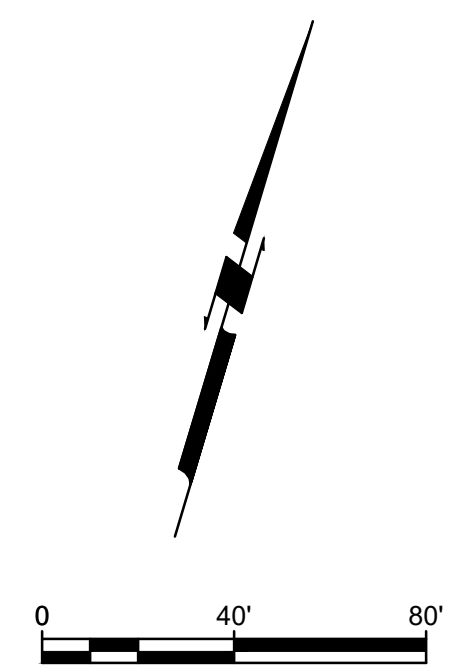
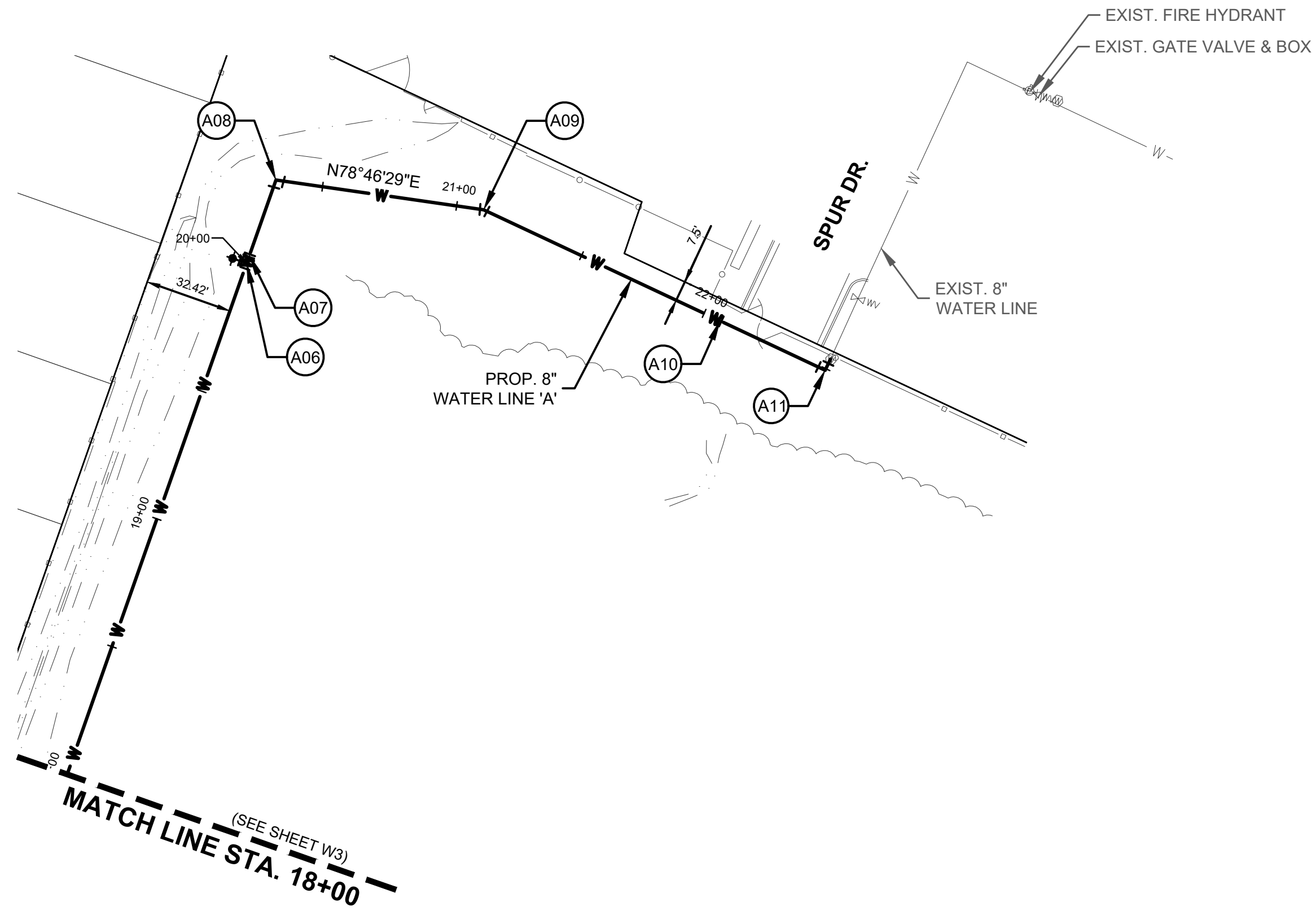
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Date: 12-04-23
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(Vert.) 1"=4'
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Approved By: _____

SHEET NUMBER
W3

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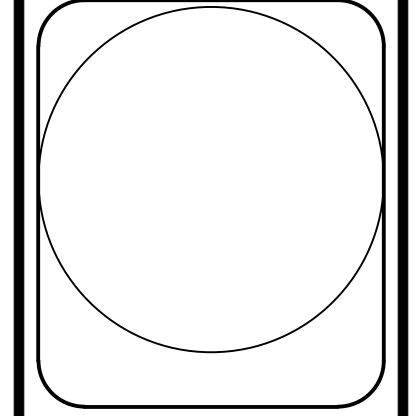
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- A06 STA. 20+00-CL LINE 'A'
CONST. 1-8" x 6" TEE
3 LF 6" WATER LINE
1-6" GATE VALVE & BOX
1-FIRE HYDRANT
1-12" RISER (IF REQ'D)
FL=1249.50 (8")
FL=1249.60 (6")
- A07 STA. 20+03-CL LINE 'A'
CONST. 1-8" GATE VALVE & BOX
FL=1249.50
- A08 STA. 20+32.63-CL LINE 'A'
CONST. 1-8" x 90° BEND
FL=1250.00
- A09 STA. 21+10.06-CL LINE 'A'
CONST. 1-8" x 22 1/2° BEND
FL=1252.00
- A10 STA. 22+06.49-CL LINE 'A'
CONST. 1-8" GATE VALVE & BOX
FL=1254.90
- A11 STA. 22+49.36-CL LINE 'A'
REMOVE EXIST. 8" PLUG w/ 2" BLOW-OFF
CONST. 1-8" x 90° BEND
CONST. 1-8" SOLID SLEEVE
CONST. 3 LF 8" WATER LINE
N=161557.24
E=2158821.43
FL=1256.20



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1-800-522-6543
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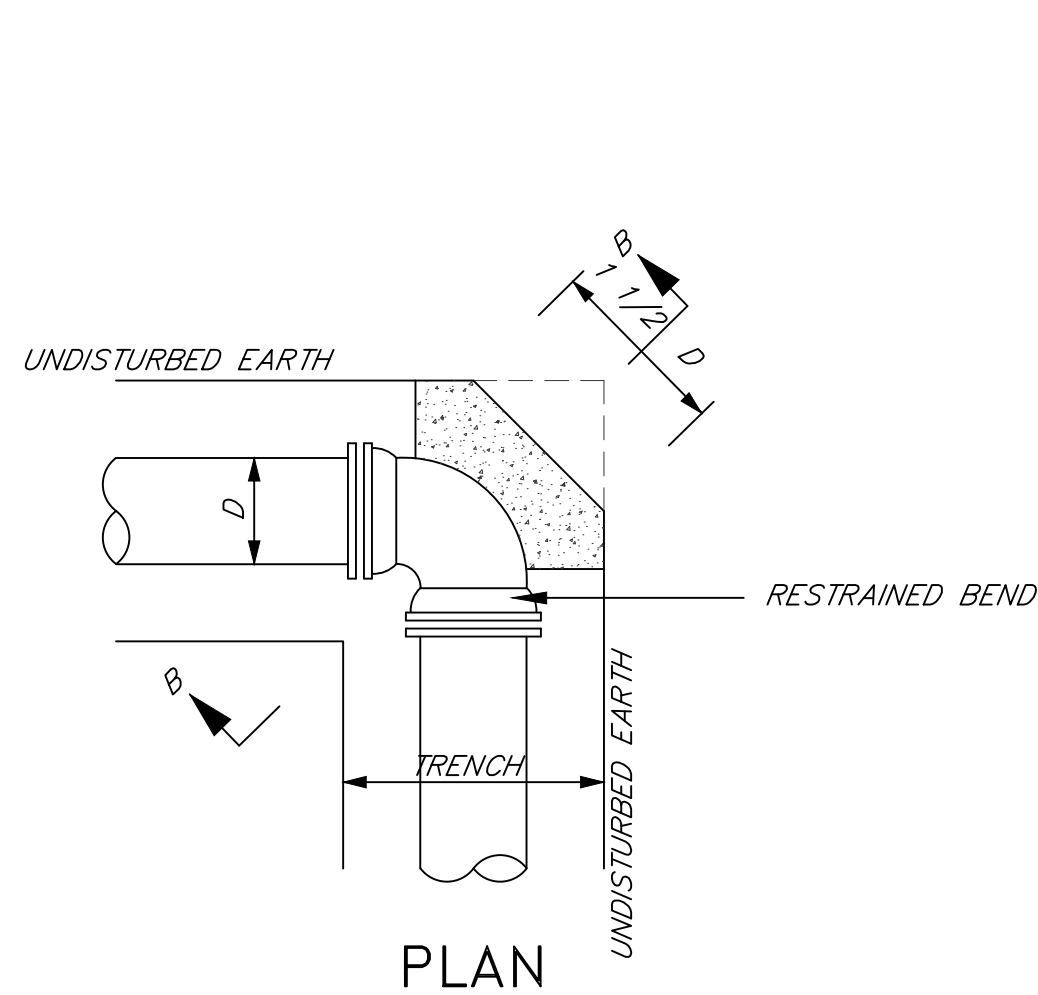


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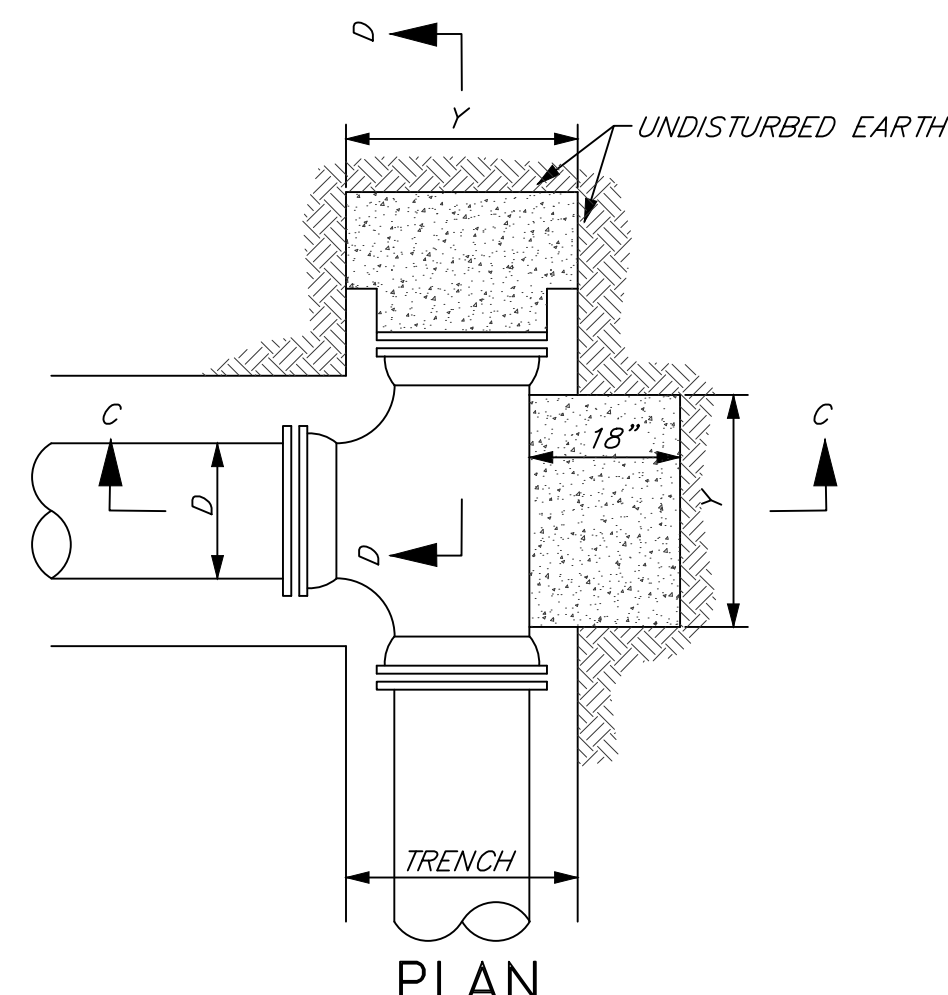
**REED BASEBALL COMPLEX
PUBLIC WATER LINE**
MIDWEST CITY, OKLAHOMA COUNTY, OKLAHOMA
WATER LINE PLAN & PROFILE
LINE 'A'

Proj. No.:
Date: 12-04-23
Scale: (Horiz.) 1"=40'
(Vert.) 1"=4'
Checked By:
Approved By:

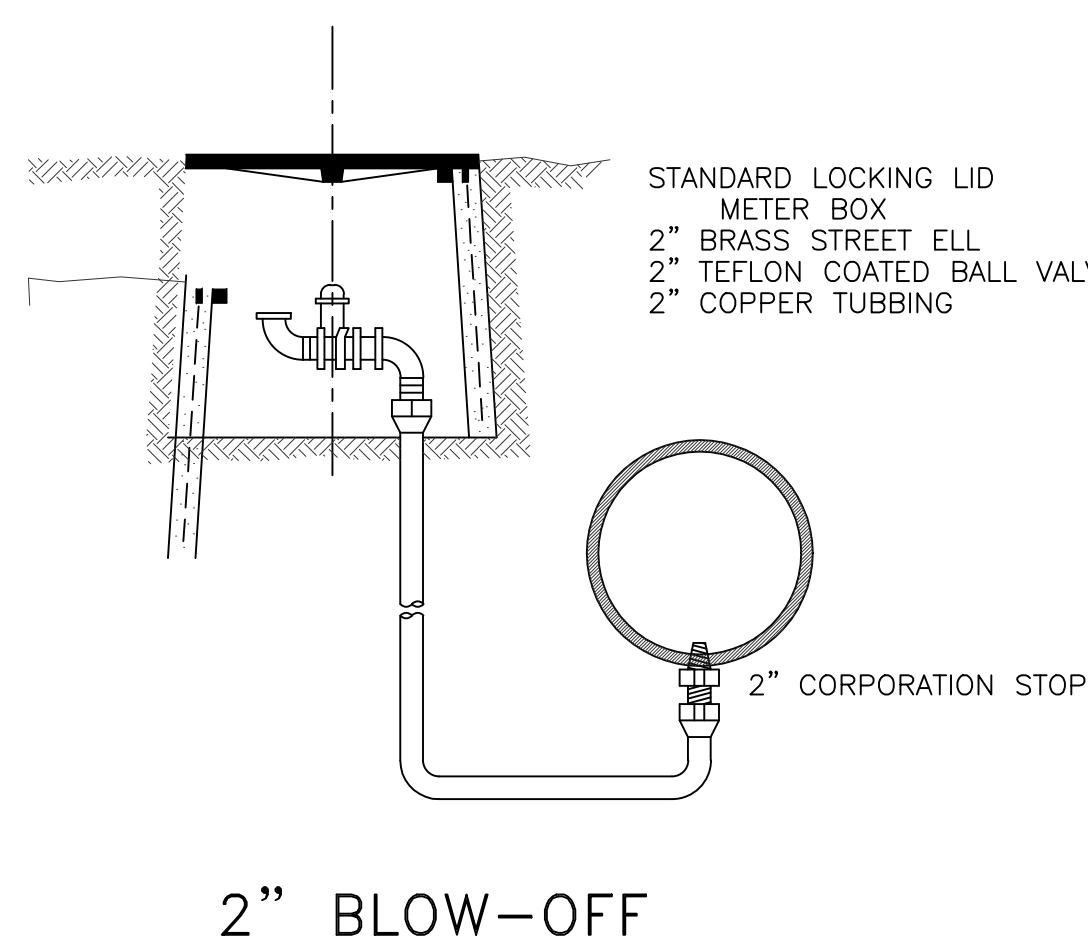
SHEET NUMBER
W4



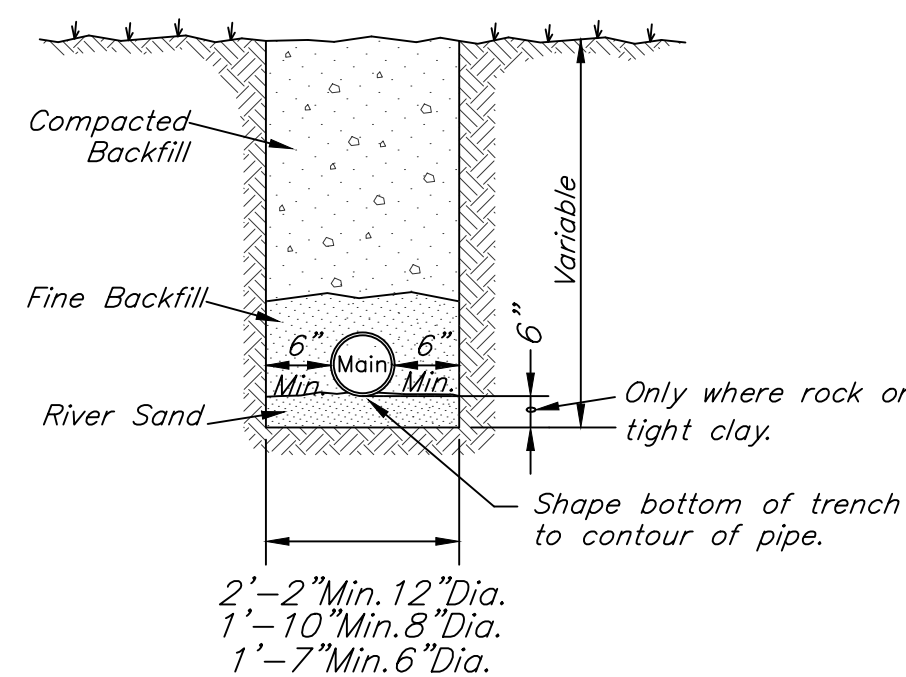
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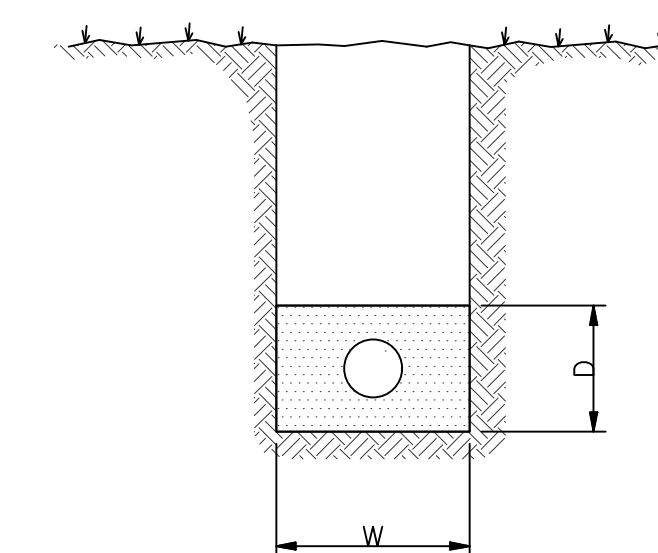
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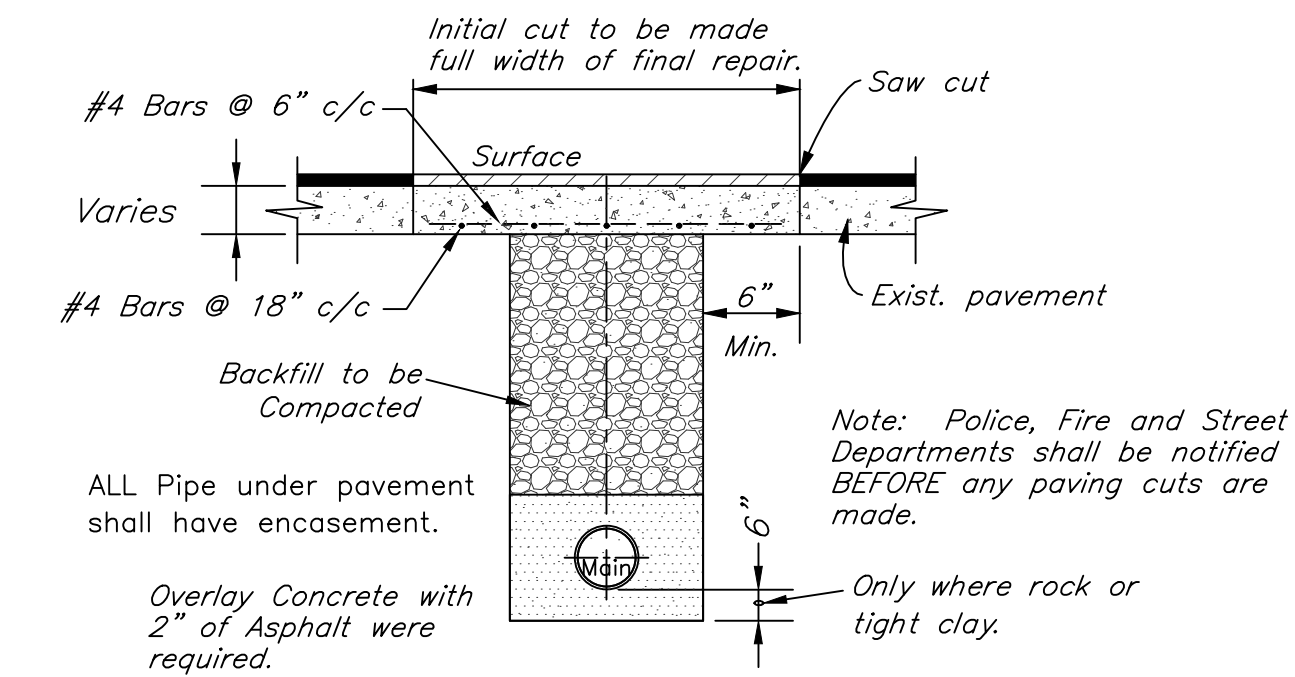
2" BLOW-OFF



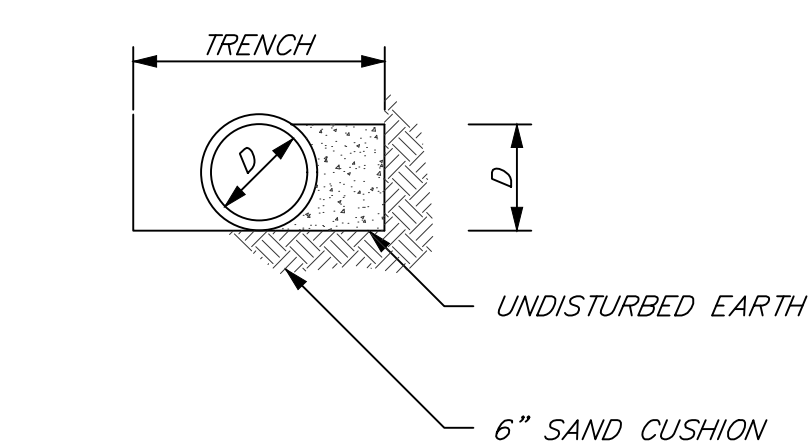
TYPICAL TRENCH SECTION



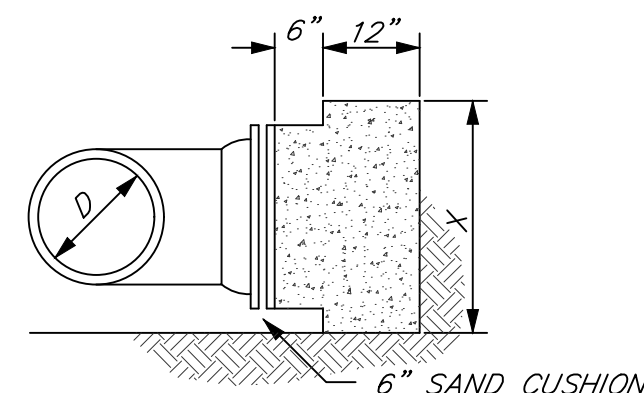
SAND BEDDING DETAIL FOR PVC PIPE



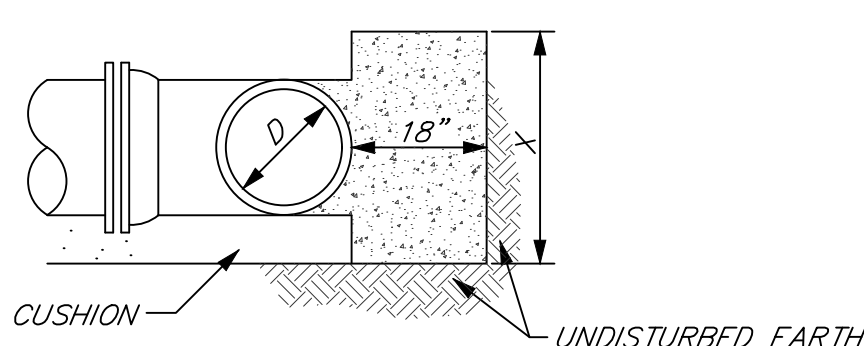
STREET CROSSING



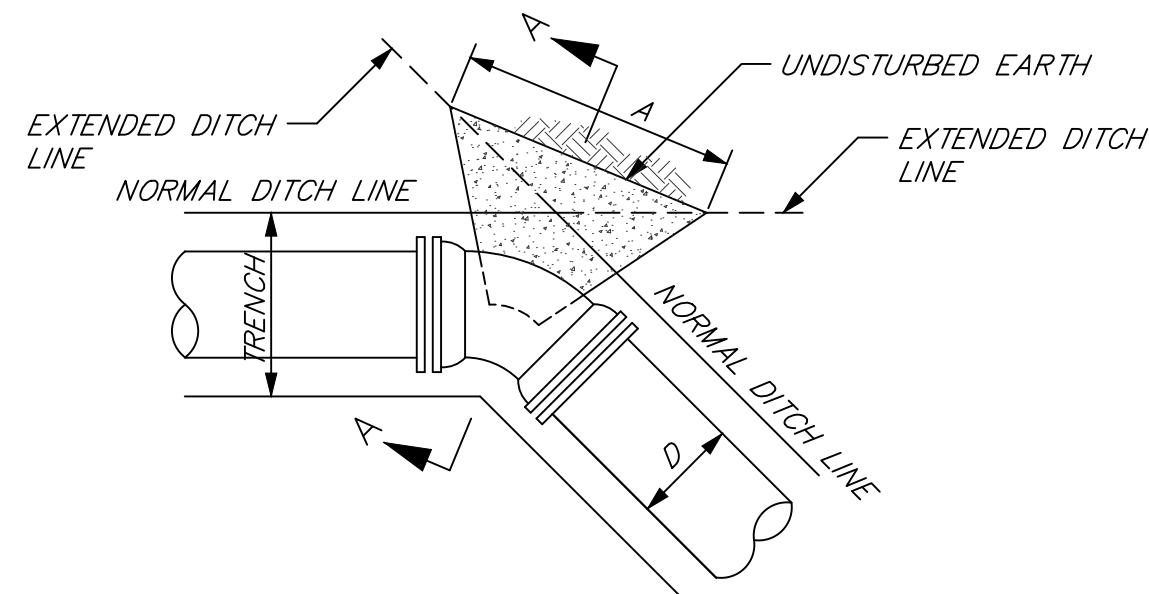
SECTION B-B
90 DEG. BENDS



SECTION D-D

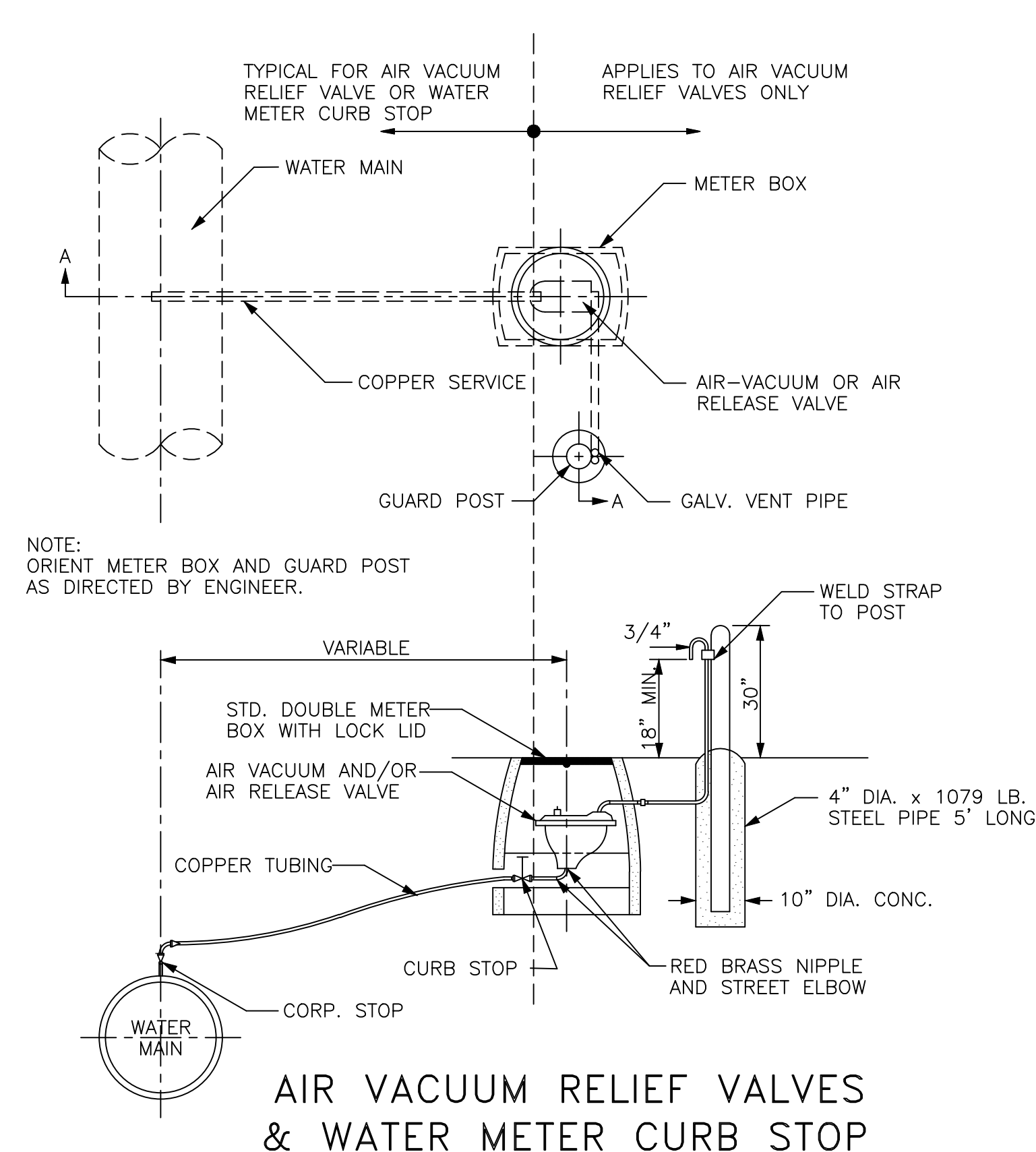


SECTION C-C

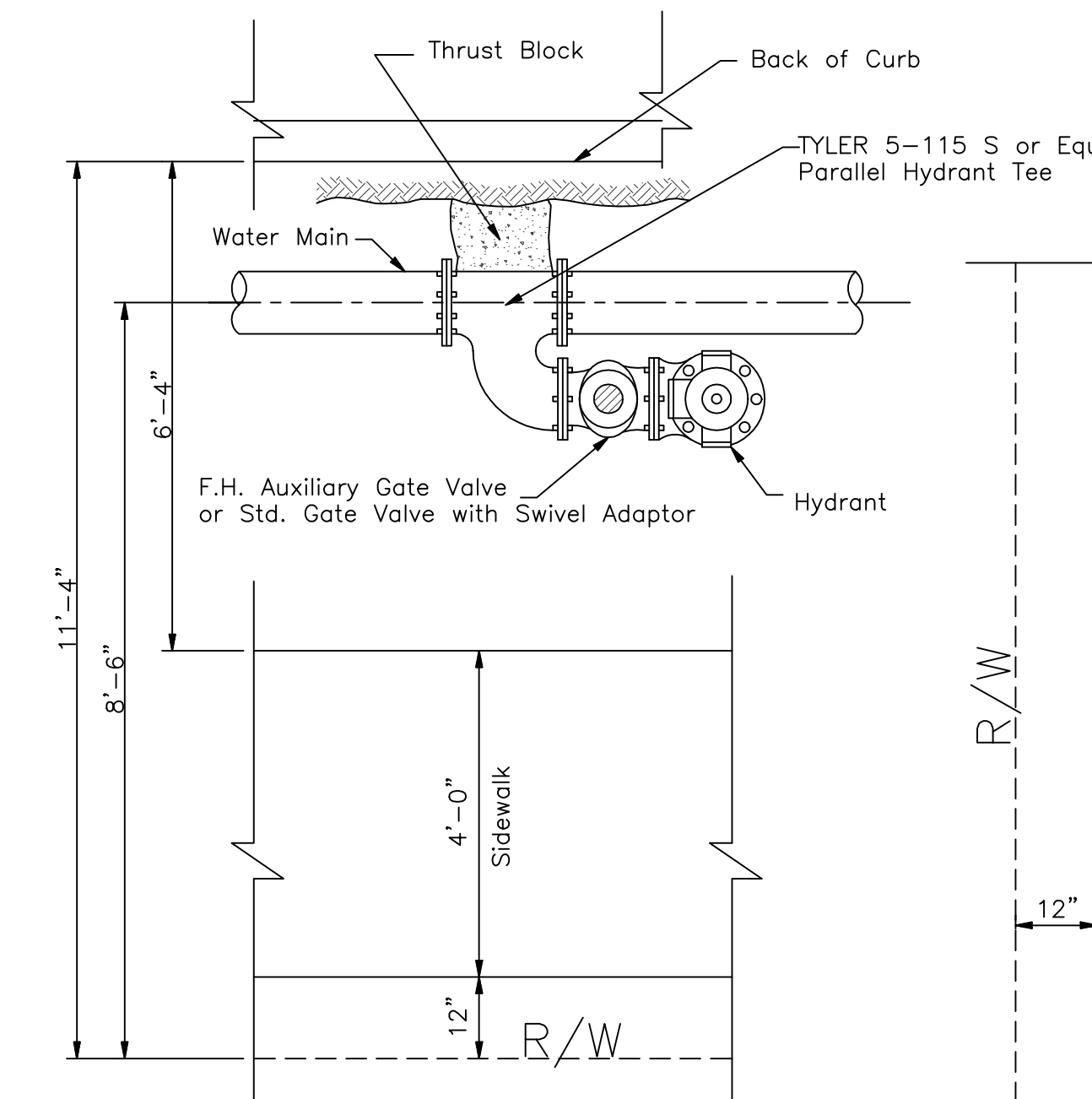


SECTION A-A

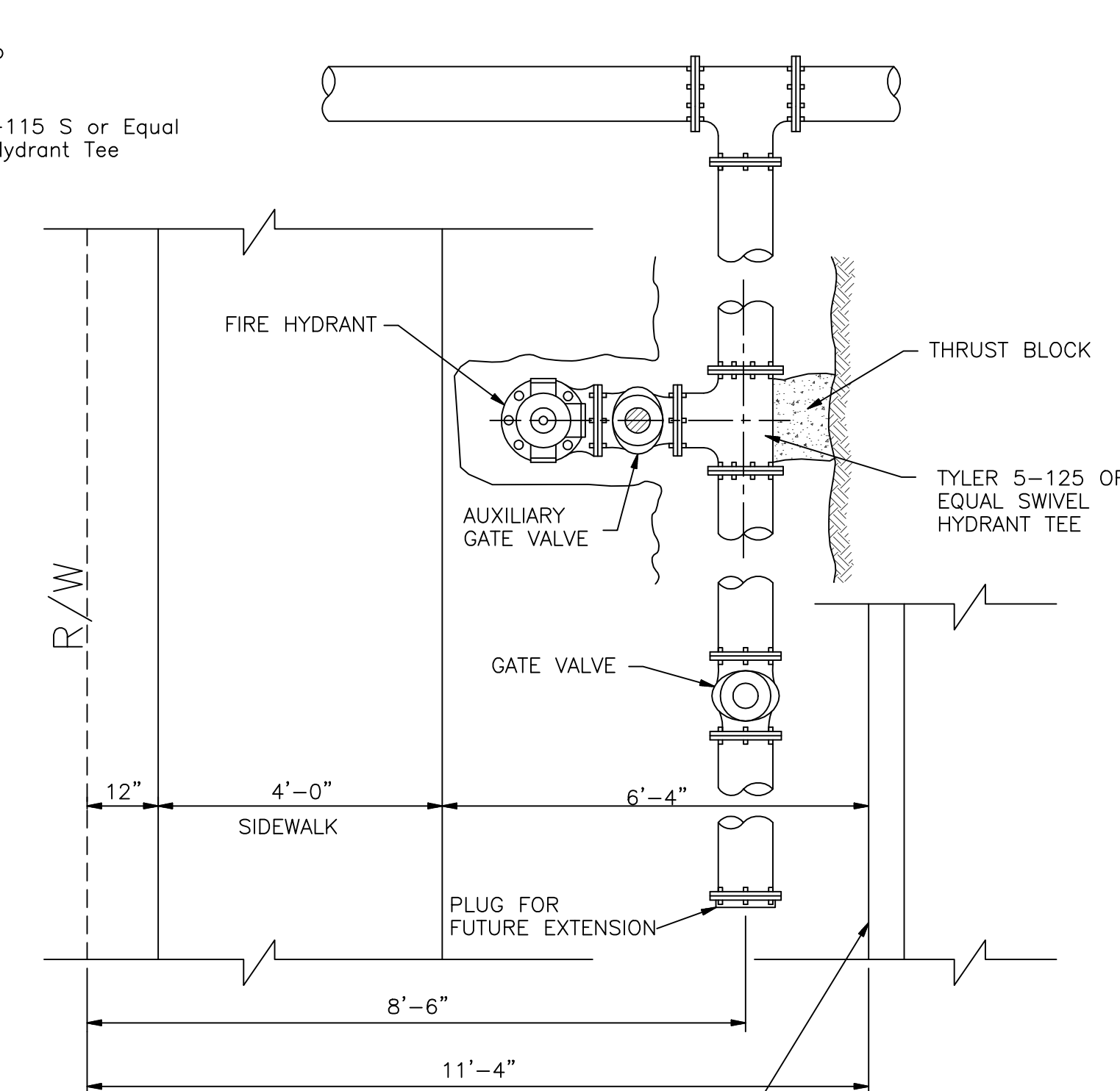
TEES & PLUGS



AIR VACUUM RELIEF VALVES & WATER METER CURB STOP



PARALLEL HYDRANT TEE



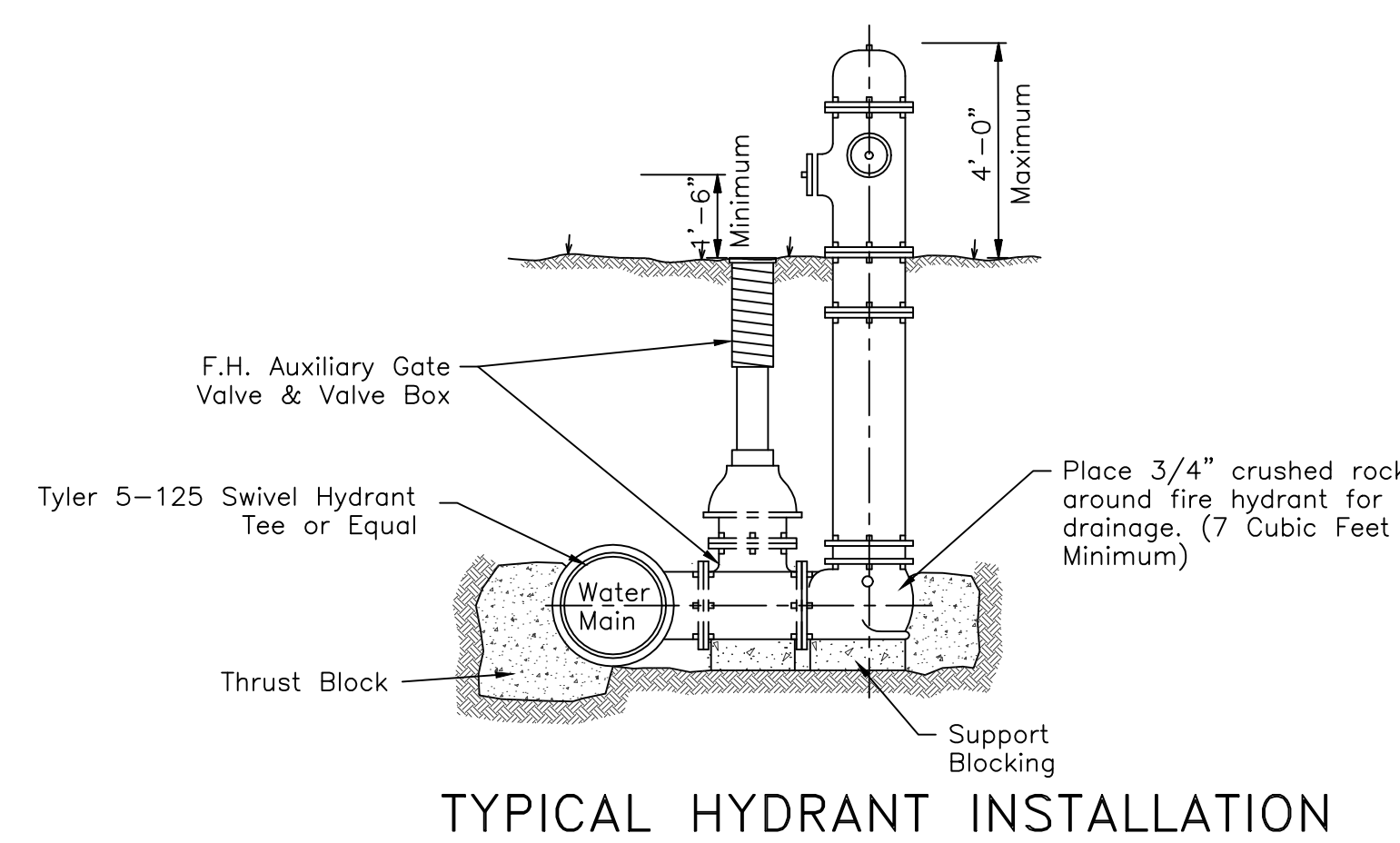
SWIVEL HYDRANT TEE

CASING SIZE TABLE

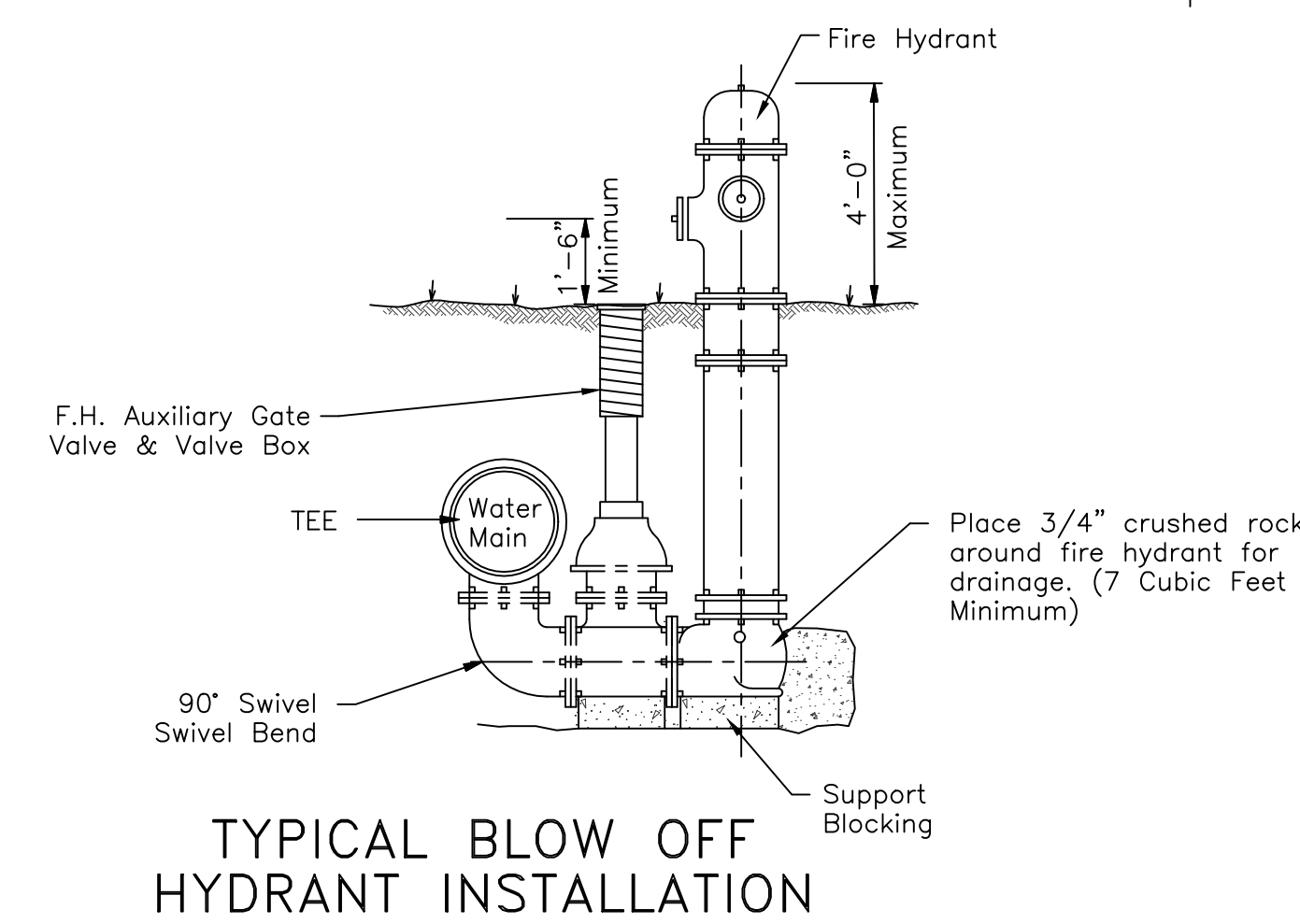
NOMINAL INSIDE PIPE DIA.	CASING SIZE INSIDE DIA.	NOMINAL INSIDE PIPE DIA.	CASING SIZE INSIDE DIA.
4"	8" TO 10"	12"	18" TO 20"
6"	10" TO 12"	15"	20" TO 22"
8"	14" TO 16"	18"	24" TO 26"
10"	16" TO 18"	24"	31" TO 33"

DUCTILE IRON PIPE RESTRAIN LENGTH (FT.)

Pipe Size	Horizontal Bend				Vertical Bend				Tee	Plug	Reducer				
	11.25'	22.5'	45'	90'	11.25'	22.5'	45'	5'			6"	8"	12"	18"	24"
6"	20	20	20	20	20	20	20	20	20	40	N	20	40	60	80
8"	20	20	20	20	20	20	20	20	20	40	20	N	40	60	80
12"	20	20	40	20	20	20	20	20	20	40	40	N	40	60	80
18"	20	20	40	20	20	20	40	20	40	60	60	N	40	60	80
24"	20	20	60	20	20	20	60	20	60	80	80	N	40	60	80



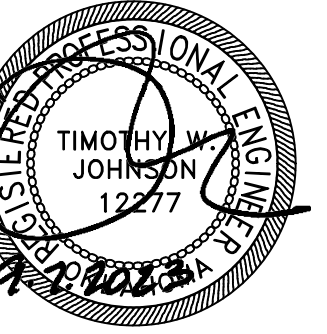
TYPICAL HYDRANT INSTALLATION



TYPICAL BLOW OFF HYDRANT INSTALLATION

INSTALL MECHANICAL RESTRAINT IN LIEU OF CONCRETE BLOCKING.
ALL HORIZONTAL THRUST AND SUPPORT BLOCKING SHALL BE PRE CAST.

MIDWEST CITY ENGINEERING DEPARTMENT			
DATE: April 24, 2017	DRAWN: D.C.B.	STANDARD WATER LINE DETAILS	
CHECKED: D.D.D.	APPROVED:		
SCALE: NO SCALE			
ENGR: P.M.	PROJECT NO.	SHEET NO.	



RENEWAL DATE: 04/30/2024

MIDWEST CITY,
OKLAHOMA

SE 29TH ST. APARTMENTS
9303 SE 29TH ST., MIDWEST CITY, OK 73130

PERMIT SET

Revisions:

EROSION CONTROL PLAN

ADG Project: 22-020

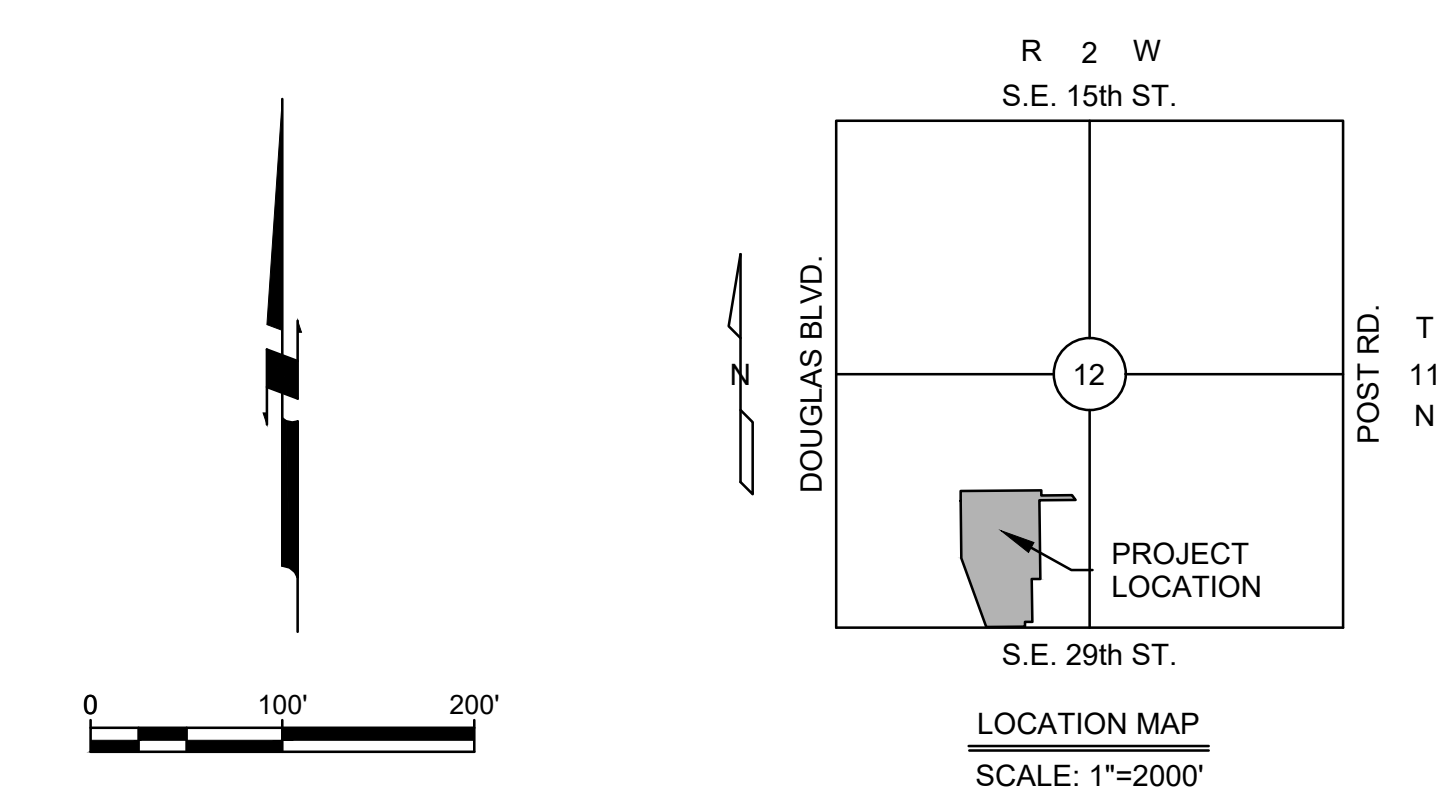
Date: 09-07-23

Sheet No.

EC1

EROSION CONTROL - GENERAL NOTES

1. INSTALL PERIMETER EROSION CONTROL DEVICES PRIOR TO REMOVING TOPSOIL OR BEGINNING GRADING ACTIVITIES.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE IN AN AREA DRAINING INTO THE POLLUTION CONTROL SYSTEM.
3. CONSTRUCT ROCK BAG DITCH CHECKS AS SHOWN ON THE APPROVED PLANS AND AS NECESSARY TO PREVENT EROSION DAMAGE PRIOR TO PAVING.
4. AFTER ALL PRECIPITATION OF 0.5 INCHES OR GREATER, EROSION CONTROL FACILITIES SHALL BE INSPECTED AND MAINTAINED AS NECESSARY. COMPLETED INSPECTION FORMS SHALL BE KEPT ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
5. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS. COMPLETED INSPECTION FORMS SHALL BE KEPT ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
7. A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
8. MAINTAIN ALL FACILITIES UNTIL ALL PAVEMENT AND/OR GROUND COVER IS ESTABLISHED. ANY DISTURBED AREA WHICH WILL NOT SEE CONSTRUCTION ACTIVITY FOR 14 DAYS OR MORE SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 14 DAYS OF THE LAST DISTURBANCE.
9. A PERSON IN RESPONSIBLE CHARGE SHALL BE AVAILABLE DURING CONSTRUCTION HOURS TO SUPERVISE IMPLEMENTATION AND MAINTENANCE OF THE POLLUTION PREVENTION PLAN AND TO ASSIST WITH INSPECTIONS BY ANY REGULATORY AGENCY.
10. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT, SEED, SOD, MULCH OR OTHER MANNER CONSISTENT WITH THE APPROVED PLANS.
11. CONTRACTOR IS TO INSTALL ALL EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION. (COST TO BE INCLUDED IN BID ITEM FOR EROSION CONTROL.)
12. CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST ALSO OBTAIN A PERMIT FROM ODEQ (FORM 605-002a) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. THIS MEANS THAT LAND DISTURBING OF ONE (1) ACRE OR MORE MUST PERMIT WITH ODEQ AND THE CITY OF OKLAHOMA CITY, STORM WATER QUALITY.
13. DEVELOPER TO SOD ALL DISTURBED AREAS AS PART OF LANDSCAPING.

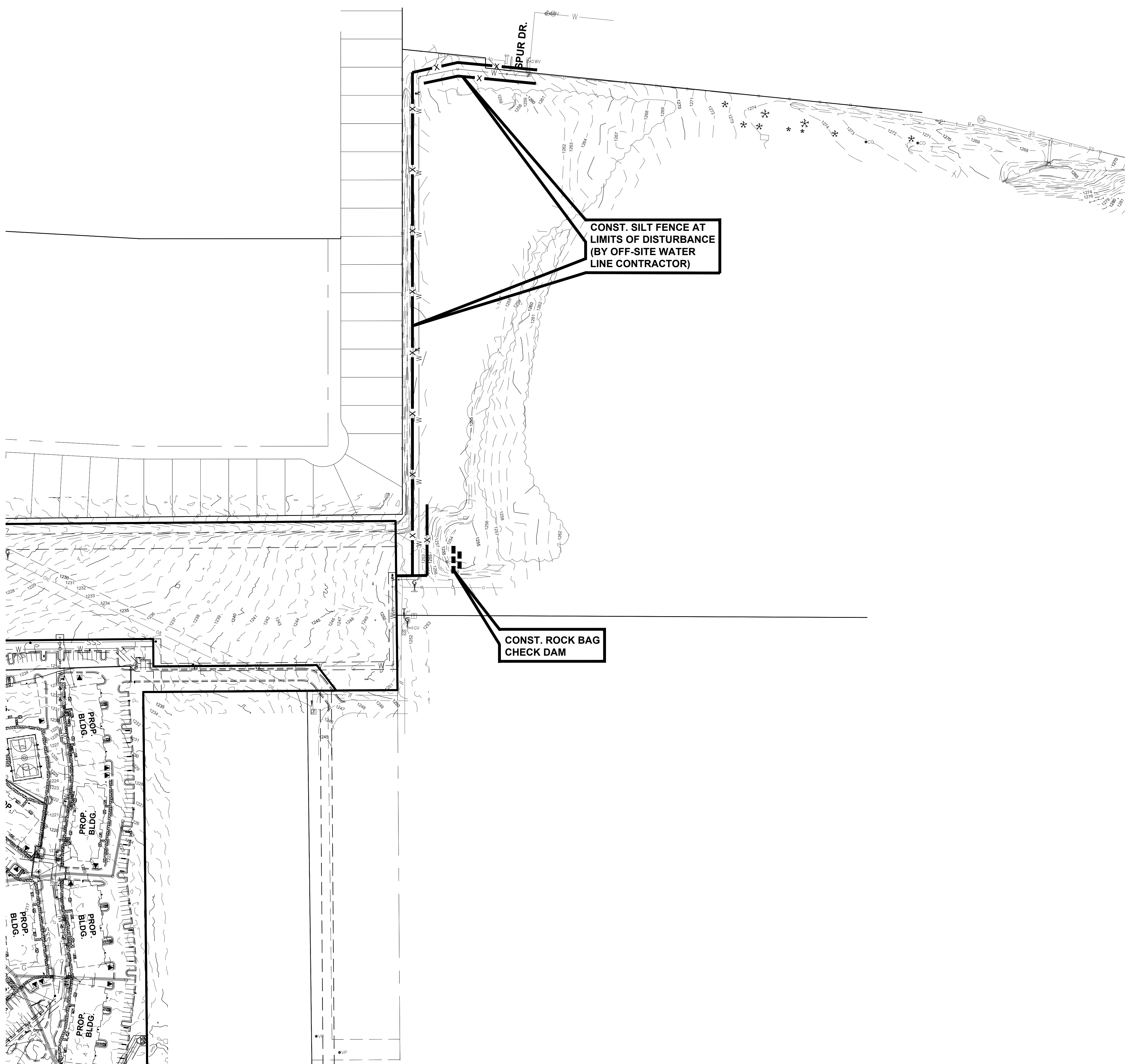


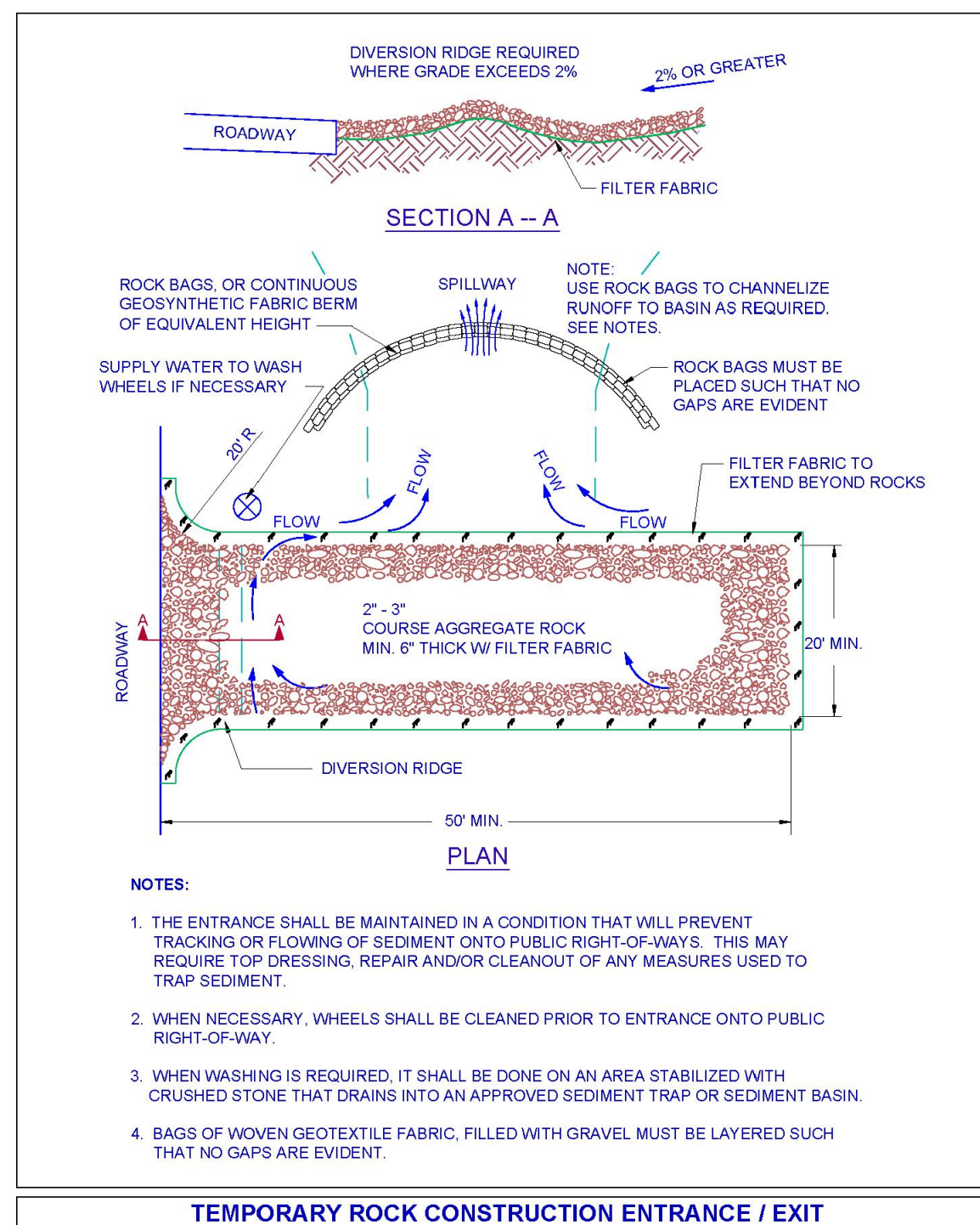
EROSION CONTROL QUANTITIES (PRIVATE)

NO	ITEM	UNIT	QTY
OFF-SITE WATER LINE CONTRACTOR			
1.	SILT FENCE	LF	1650
2.	ROCK BAG CHECK DAM	EA	1

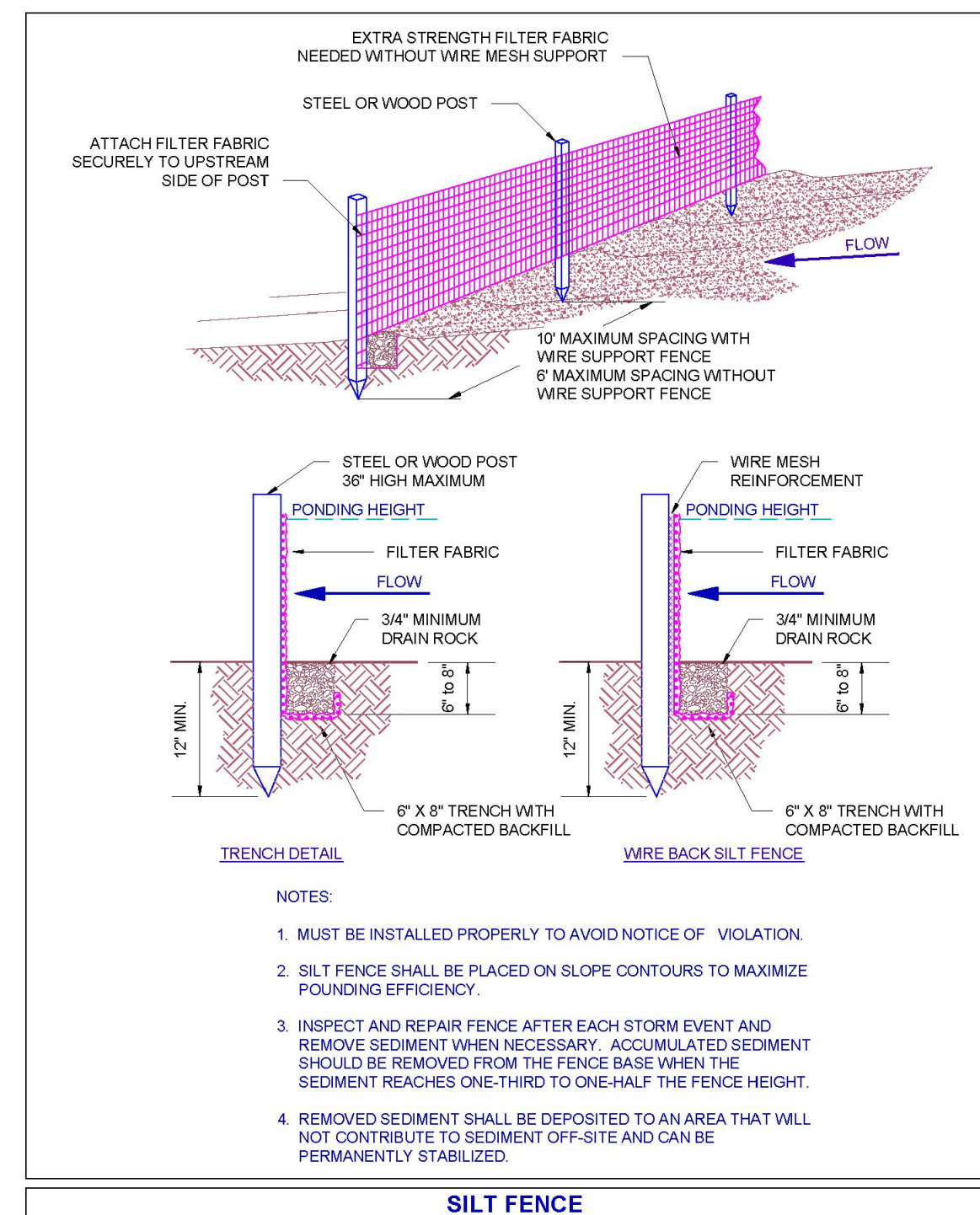
ONE CALL UTILITY LOCATION NUMBER
840-5032
1-800-522-6543
This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

JA
Johnson & Associates
1 E. Sheridan Ave., Suite 200
Oklahoma City, OK 73104
(405) 235-8075 FAX (405) 235-8078 www.jackco.com
Certificate of Authorization #1484 Exp. Date: 06-30-2025
• ENGINEERS • SURVEYORS • PLANNERS •

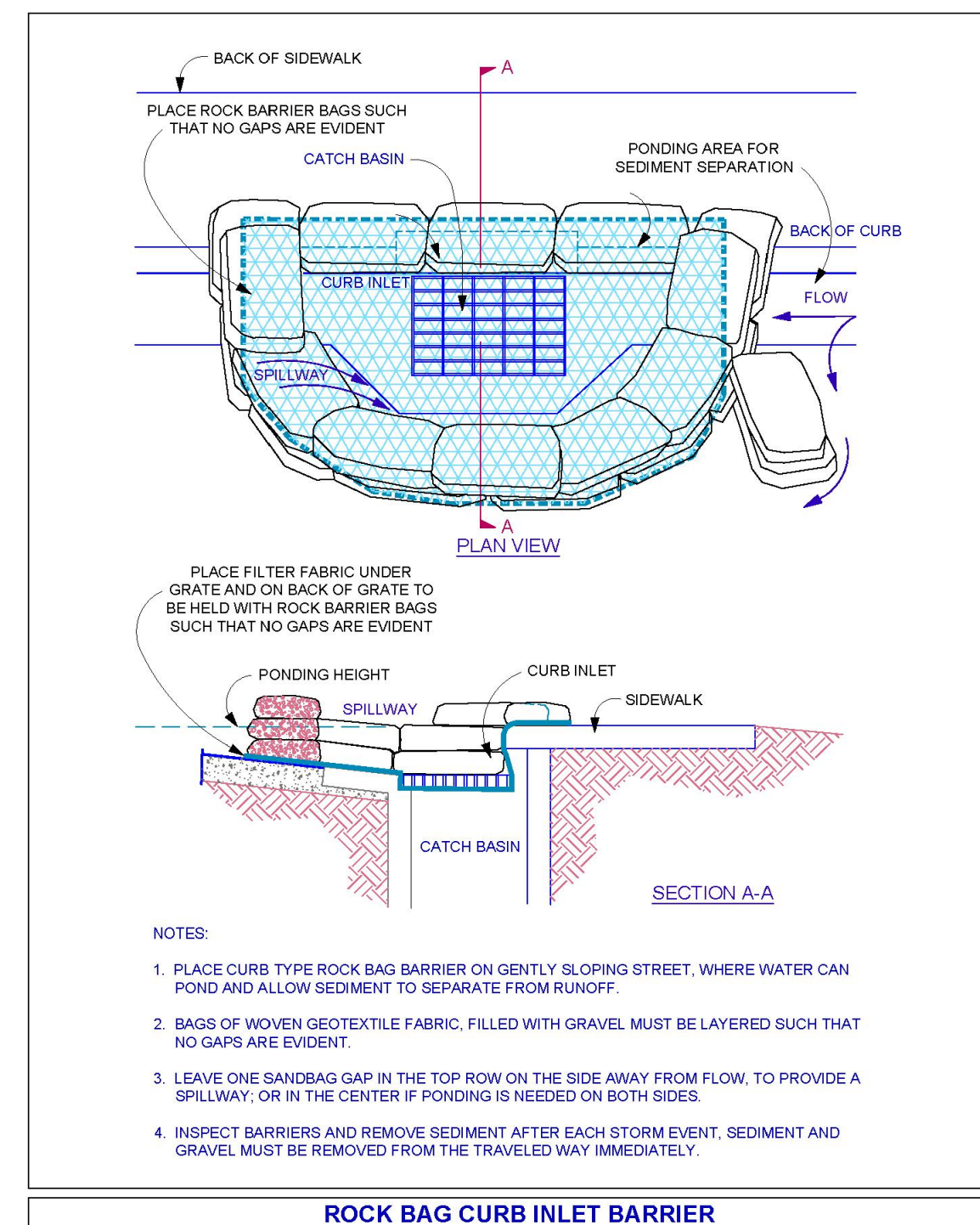




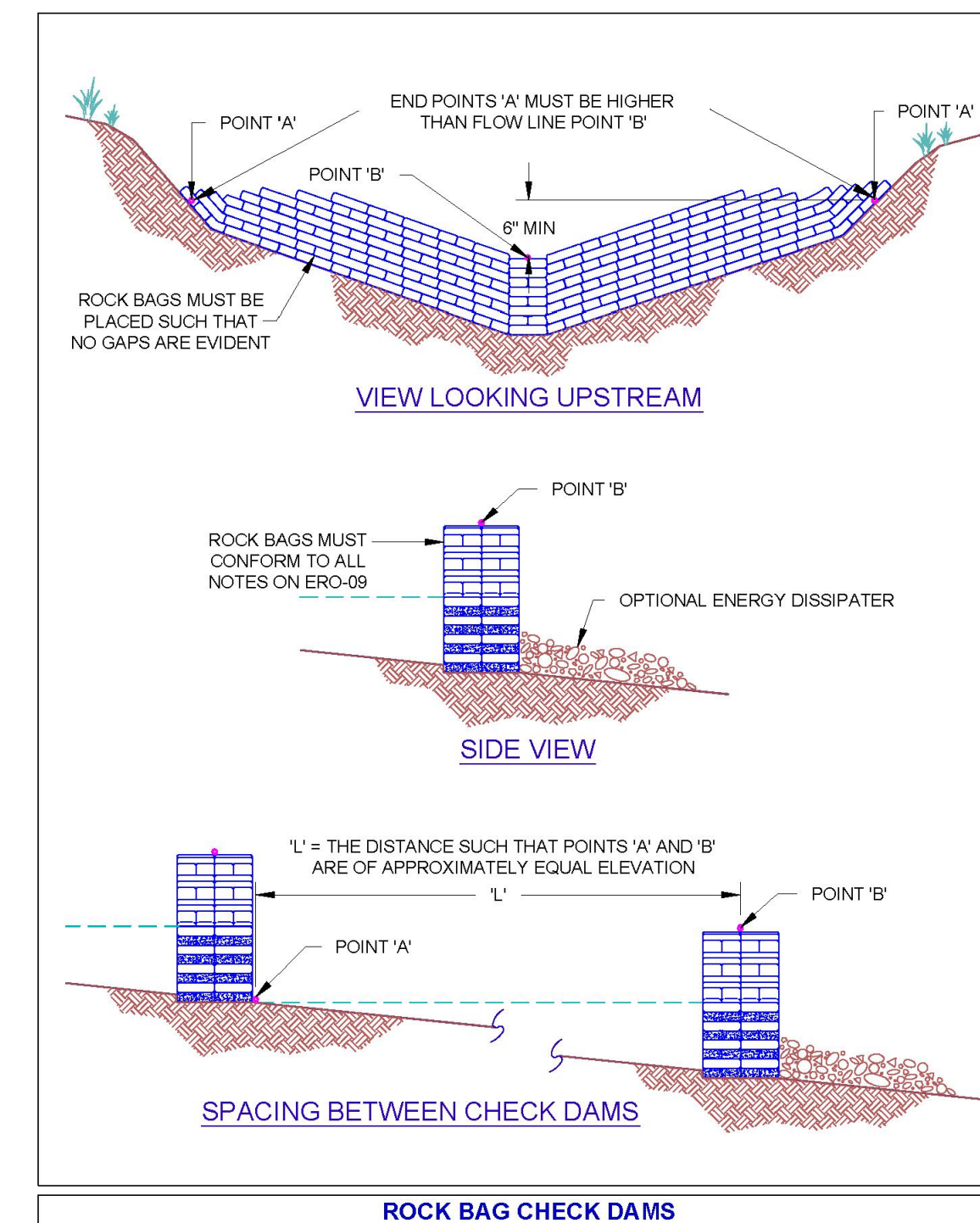
TEMPORARY ROCK CONSTRUCTION ENTRANCE / EXIT



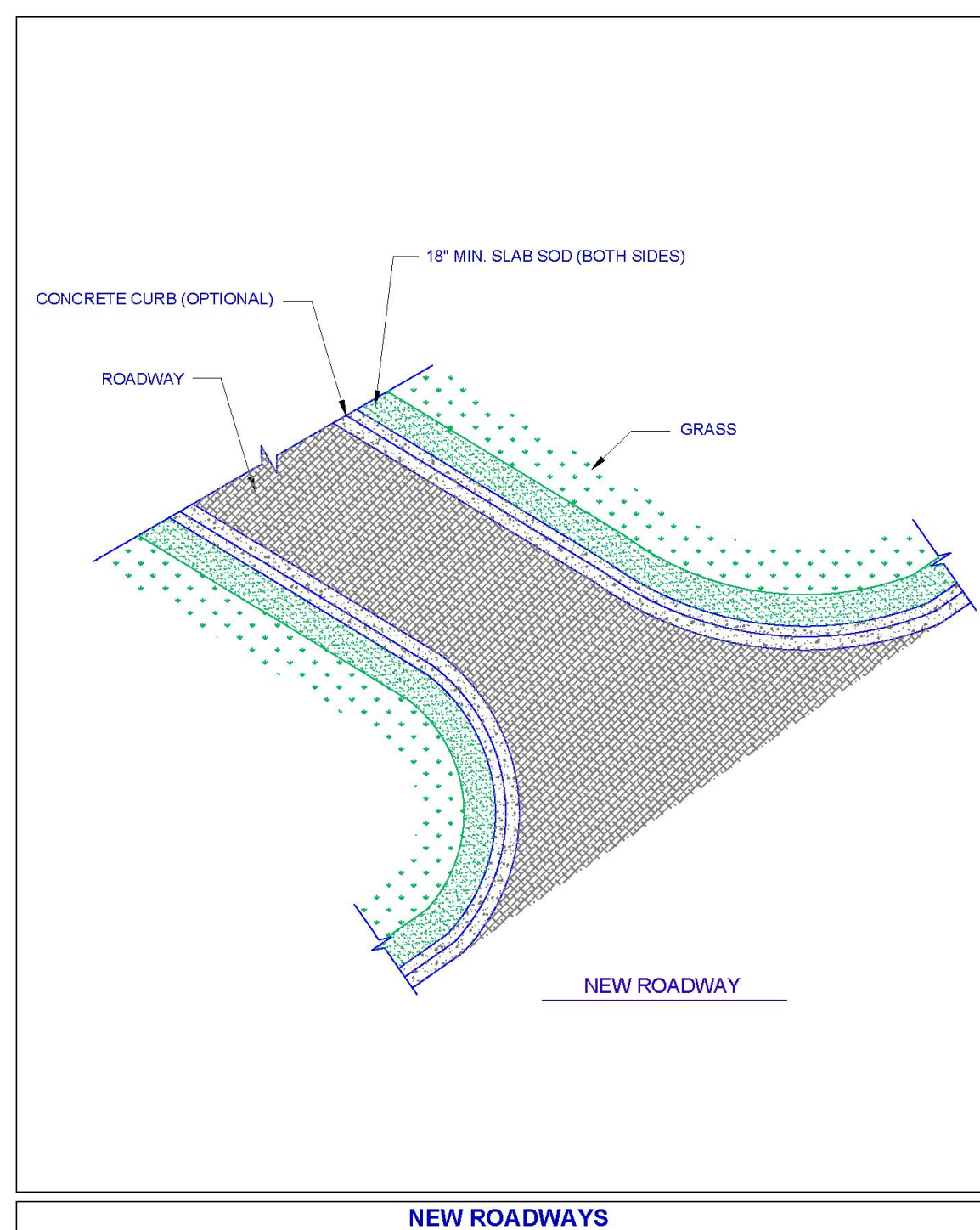
SILT FENCE



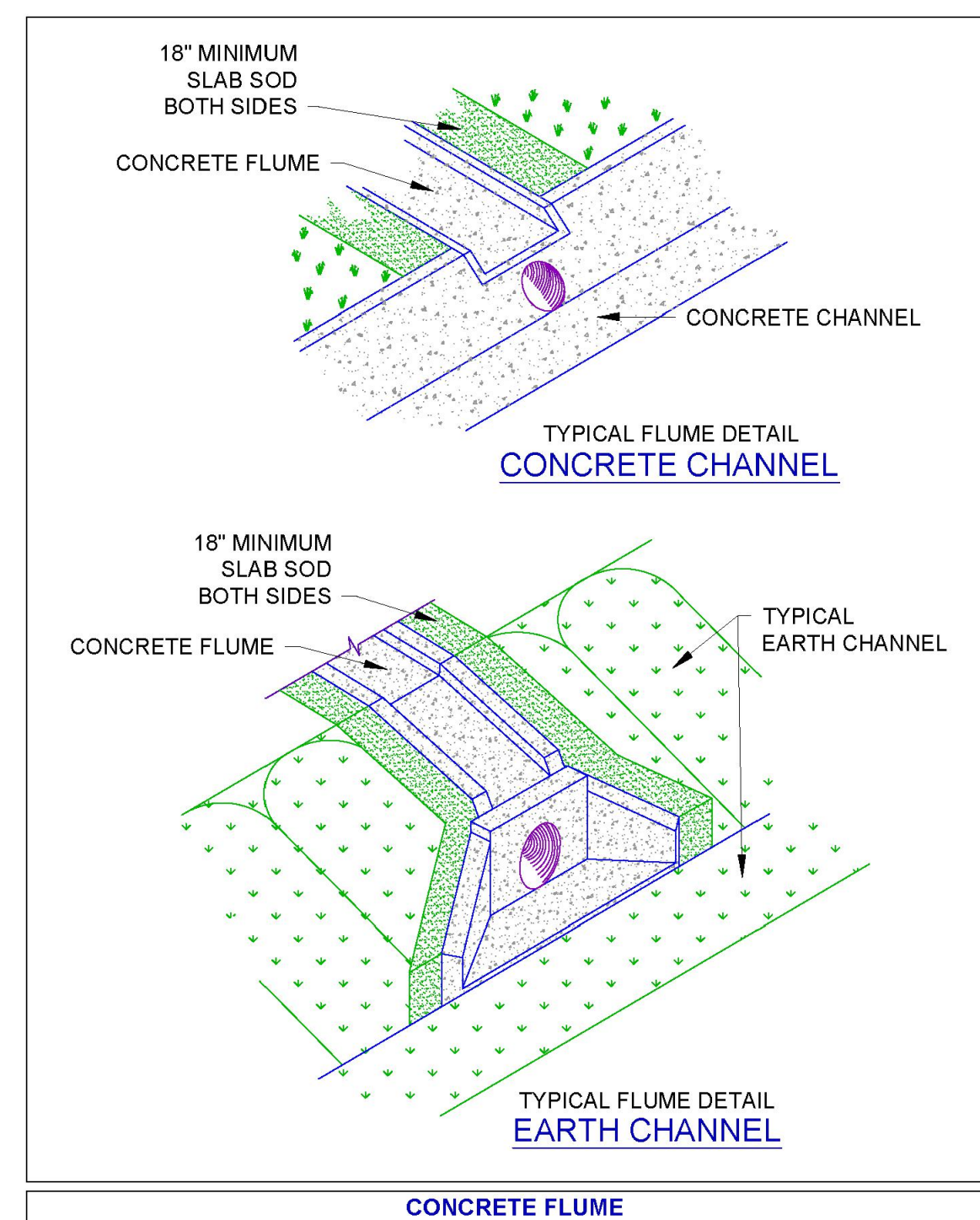
ROCK BAG CURB INLET BARRIER



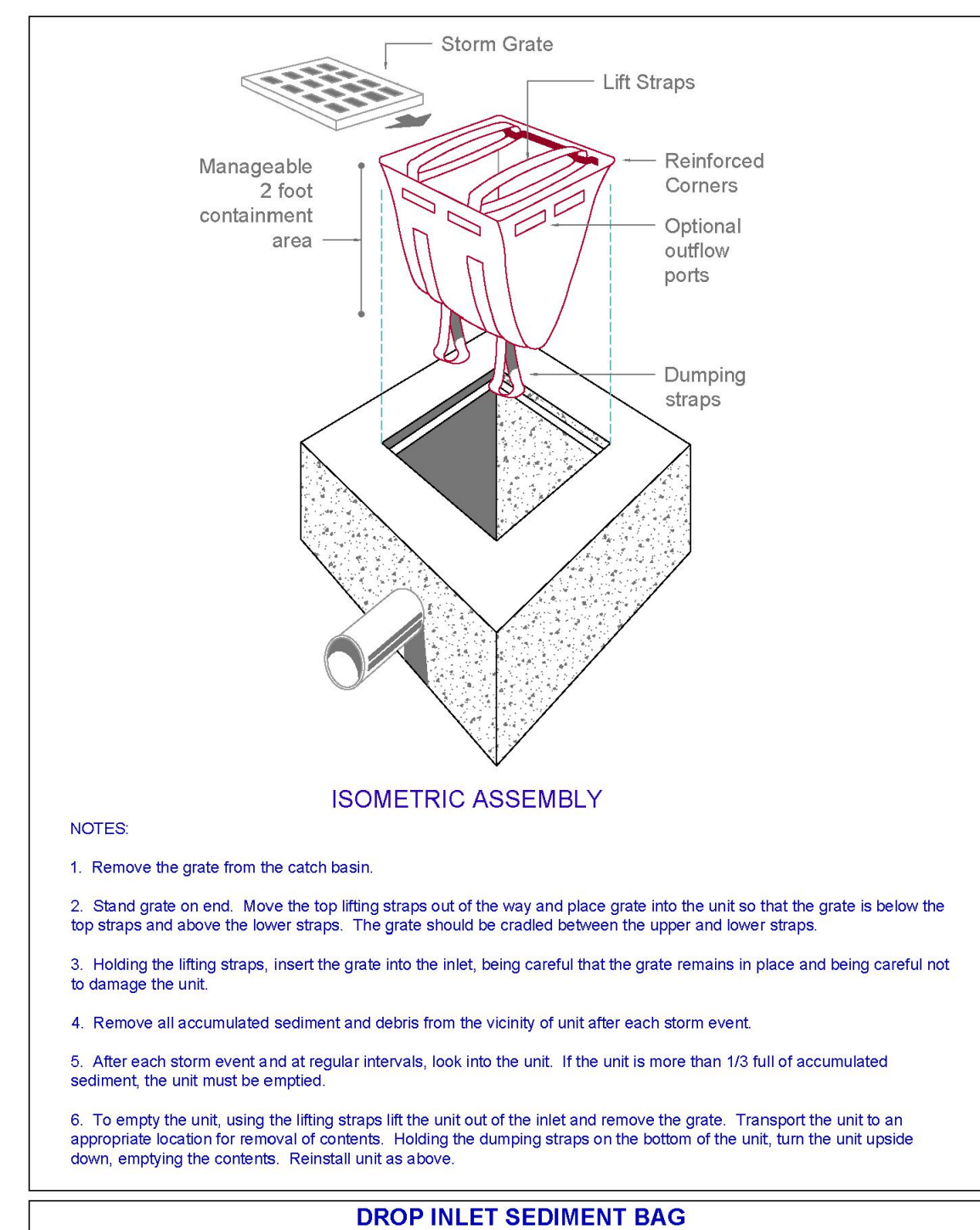
ROCK BAG CHECK DAMS



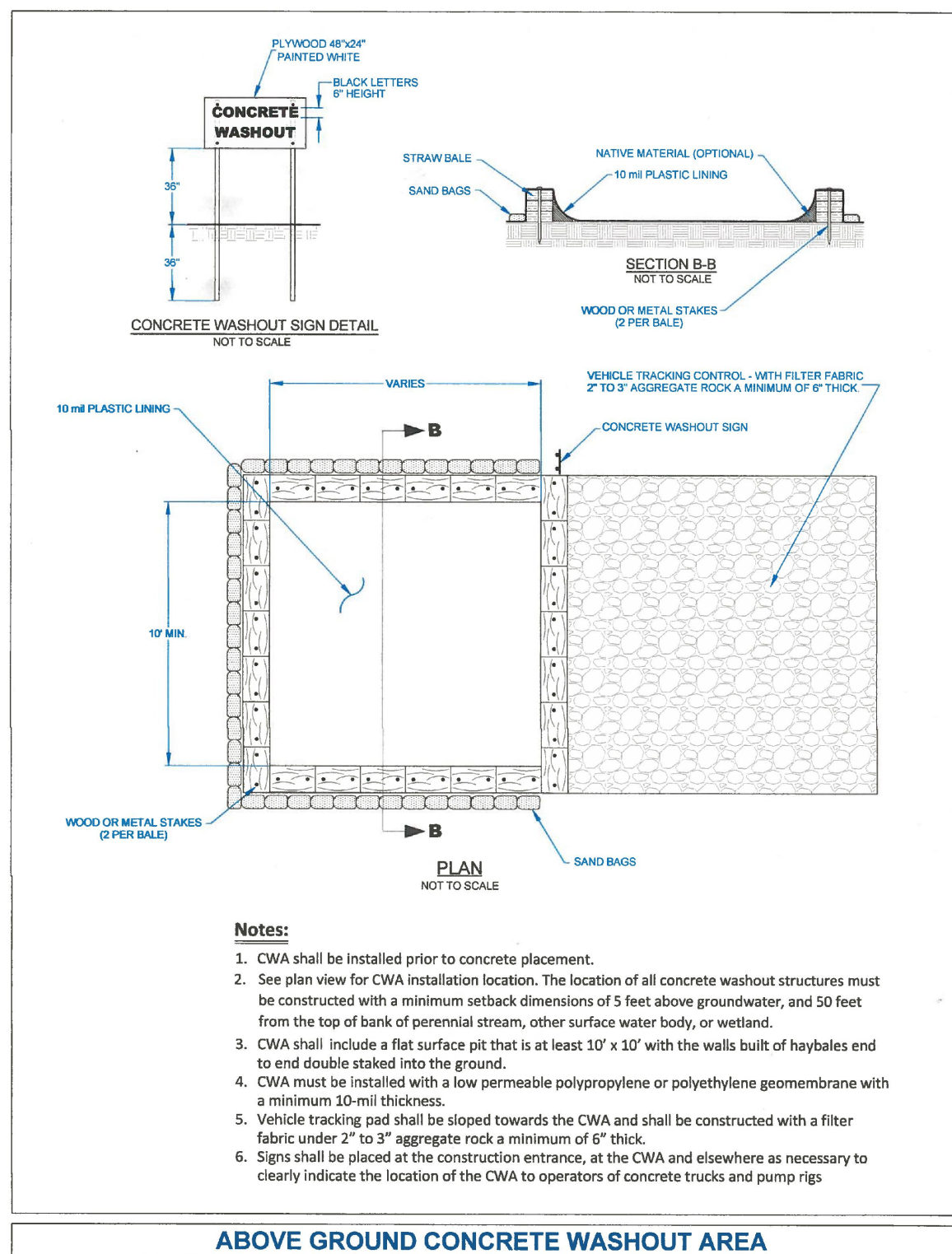
NEW ROADWAYS



CONCRETE FLUME



DROP INLET SEDIMENT BAG

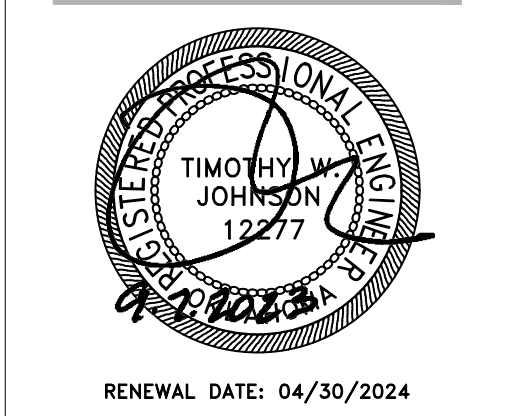


ABOVE GROUND CONCRETE WASHOUT AREA

ONE CALL UTILITY LOCATION NUMBER
 840-5032
 1-800-522-6543

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

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 Oklahoma City, OK 73104
 (405) 235-8075 FAX (405) 235-8078 www.jackco.com
 Certificate of Authorization #1484 Exp. Date: 06-30-2025
 • ENGINEERS • SURVEYORS • PLANNERS •



MIDWEST CITY, OKLAHOMA

SE 29TH ST. APARTMENTS
 9303 SE 29TH ST., MIDWEST CITY, OK 73130
PERMIT SET

Revisions:

EROSION CONTROL DETAILS

ADG Project: 22-020
 Date: 09-07-23
 Sheet No.

EC2