

ADDENDUM NO. 1

DATE: September 14, 2026

PROJECT: HWY 107 Water Line Relocation
Cabot WaterWorks
Cabot, Arkansas

BID DATE: September 22, 2026, 11:00 AM

This Addendum forms a part of the Contract Documents and modifies the original documents provided to Bidders, as noted below. Acknowledge receipt of this Addendum in the space provided in the BID FORM. Failure to do so may subject the Bidder to disqualification.

The Contract Documents for the above Project are hereby amended as follows:

ITEM NO. 1. SPECIFICATIONS – SECTION 015000

- A. Page 2, Section 2.2 Engineer's Field Office
 - a. Remove: "None Required."
 - b. Replace with:
 - A. Contractor shall furnish one (1) security office unit for exclusive use of Engineer and its representative.
 - B. Equipment furnished shall be new or like new in appearance and function.
 - C. Security Office Unit:
 - 1. Minimum Size: 20 feet long, 8 feet wide, 8-foot ceilings.
 - 2. Steel frame, side panels and roof.
 - 3. Insulated double walls, floors, and roof.
 - 4. Desks: Three (3) 36-inch x 60-inch.
 - 5. 125-amp breaker panel.
 - 6. 120-volt lighting and wall outlets.
 - 7. Fluorescent ceiling lights.
 - 8. Electric heating and self-contained air-conditioning unit.
 - 9. Windows (2): 36-inch x 48-inch screened horizontal sliders with security bars.
 - 10. Steel exterior door with deadbolt locks.
 - 11. Railed stairways and landings at entrance.
 - D. The Contractor shall provide, install, and maintain all utility connections to the office during construction.
 - E. The field office for the Engineer shall not be part of the same trailer as the Contractor.

ITEM NO. 2. SEPCIFICATIONS – SECTION 331216

- A. Page 3, Section 2.6 Air Release Valve, is hereby revised as follows:

- a. Paragraph 2.6.F.3: "And shall be D-46 Series Combination Air Valve by A.R.I. or approved equal."
Replace with: "And shall be Val-Matic Series 200 Combination Air Valve, Model 204C.2XD, or approved equal."
- b. Paragraph 2.6.G.3: "Orifice area: 12.173 in² (7854 mm²) for air/vacuum, 0.020 in² (13 mm²) for automatic air release."
Delete this sentence in its entirety.

ITEM NO. 3. DRAWINGS – SHEET 2

- A. Modification(s) to this drawing as shown in Addendum No. 1 – GENERAL NOTES, attached hereto.
 - a. See revised Note 12. FIELD OFFICE

ITEM NO. 4. DRAWINGS – SHEET 5

- B. Modification(s) to this drawing as shown in Addendum No. 1 – OVERALL SITE PROFILE, attached hereto.
 - a. See revised notation "30-Inch RJ 45° Bend" at STA 0+28

ITEM NO. 5. DRAWINGS – SHEET 18

- A. Modification(s) to this drawing as shown in Addendum No. 1 – CIVIL SITE DETAILS - II, attached hereto.
 - a. SEE DETAIL B. PAVED OR GRAVEL DRIVE REPAIR

END OF ITEMS

All other provisions of the Contract Documents remain unchanged. Acknowledge receipt of this Addendum on the BID FORM.

CRIST ENGINEERS, INC.



Matthew D. Dunn, P.E.
President

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GENERAL NOTES

1. DEFINITIONS
- a. OWNER - CABOT WATER WORKS

b. ENGINEER - CRIST ENGINEERS, INC.

c. GOVERNMENT - ANY CITY, COUNTY, STATE OR FEDERAL GOVERNMENTAL ENTITY.
2. SAFETY
- a. JOBSITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

b. THIS RESPONSIBILITY COVERS CONTRACTOR'S OWN WORK FORCE, ALL SUBCONTRACTORS, VISITING PERSONNEL, OFFICIALS, AND THE GENERAL PUBLIC WHICH MAY HAVE ACCESS TO THE JOBSITE.

c. THE CONTRACTOR SHALL EXERCISE COMPLETE CONTROL OVER WHO HAS ACCESS TO THE JOBSITE TO ENSURE JOBSITE SAFETY.

d. THE CONTRACTOR SHALL CONFORM TO ALL SECURITY AND SAFETY REQUIREMENTS OF THE OWNER.

e. ANY SAFETY OR OTHER TRAINING REQUIRED BY THE OWNER FOR THE WORK FORCE MUST BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

f. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING TEMPORARY EXCAVATION SUPPORT SYSTEMS, INCLUDING SHEETING, SHORING, AND BRACING TO INSURE THE SAFETY OF PERSONNEL AND PROTECT ADJACENT STRUCTURES, PIPING, ETC. IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, AND REQUIREMENTS.
3. PERMITS
- a. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY STATE, CITY OR COUNTY REQUIRED PERMITS FOR THIS WORK.

b. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE TERMS AND CONDITIONS ASSOCIATED WITH EACH PERMIT, AS WELL AS ADHERING TO THE RULES AND REGULATIONS OF EACH REGULATING AUTHORITY.
4. CONTRACT DOCUMENTS
- a. ALL WORK SHALL CONFORM TO THE PLANS, THESE NOTES, AND SPECIFICATIONS IN ALL RESPECTS AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

b. THESE GENERAL NOTES SHALL BE CONSIDERED AS PART OF THE CONTRACT DOCUMENT AND AS SUPPLEMENTAL CONDITIONS.
5. CONSTRUCTION PROCEDURES, MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS OR IN THESE NOTES OR SPECIFICATIONS.
- a. CABOT WATER WORKS STANDARD CONSTRUCTION SPECIFICATIONS
HTTPS://CABOTWATERWORKS.COM/STANDARD-CONSTRUCTION-SPECIFICATIONS

b. TECHNICAL SPECIFICATIONS - ATTACHED SEPARATELY (SEE PROJECT MANUAL)
6. CONSTRUCTION LIMITS
- a. UNDER NO CIRCUMSTANCES IS THE CONTRACTOR TO PERFORM WORK OR CAUSE DAMAGE BEYOND THE DESIGNATED WORK LIMITS.

b. SURVEYING AND DEMARCATION OF THE PROJECT LIMITS WILL BE PROVIDED BY THE CONTRACTOR.
7. UTILITIES
- a. UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. NOT ALL EXISTING UTILITIES MAY BE SHOWN ON THE DRAWINGS, AND ACTUAL LOCATION OF THE UTILITIES MAY VARY FROM THE LOCATION SHOWN ON THE DRAWINGS. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT ARKANSAS ONE CALL, AND MAKE ARRANGEMENTS FOR THE LOCATION OF ALL UTILITIES UNDER THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

b. LOCATIONS OF EXISTING UTILITIES WERE DETERMINED IN THE FIELD WHERE POSSIBLE, SUCH AS MANHOLE LOCATIONS, VALVE BOXES ON EXISTING PIPING, AND DRAINAGE CULVERTS. BEFORE ANY TRENCHING COMMENCES, THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY AND PROCESS LINES WHICH ARE TO BE CROSSED OR CONNECTED WITH NEW PIPING, AND DETERMINE THE POTENTIAL FOR CONFLICTS. CONFLICTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND TRENCHING SHALL NOT COMMENCE UNTIL ALL CONFLICTS ARE RESOLVED.

c. NO EXCAVATIONS WERE MADE TO CONFIRM SUB-SURFACE UTILITIES. NEITHER THE SURVEYOR NOR PROJECT ENGINEER GUARANTEES THAT ALL UTILITIES HAVE BEEN SHOWN, OR THAT THOSE SHOWN ARE FULLY ACCURATE.

d. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADJUSTMENTS AND/OR RELOCATION OF EXISTING UTILITIES THAT ARE DAMAGED AS A RESULT OF WORK OF THIS PROJECT.

e. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROPERLY PROTECTING, DISCONNECTING, ABANDONING, RELOCATING, AND/OR ADJUSTING ALL AFFECTED UTILITIES WITHIN THE PROJECT AREA.

f. ALL UTILITY WORK SHALL BE COORDINATED AND EXECUTED IN ACCORDANCE WITH THE OWNER AND/OR GOVERNING UTILITY COMPANY CODES, SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.

8. DISPOSAL OF DEBRIS, WASTE OR SPOIL
- a. BURNING OF DEBRIS AND WASTE IS NOT ALLOWED. UNLESS APPROVED BY LOCAL FIRE CHIEF.

b. CONTRACTOR IS REQUIRED TO PROPERLY HAUL AWAY AND DISPOSE OF ANY WASTE MATERIAL REMOVED FROM THE SITE.

c. EXISTING MATERIALS LABELED "TO BE REMOVED" IN THESE PLANS SHALL BE REMOVED AND DISPOSED OF ON SITE AS DIRECTED BY THE OWNER OR ENGINEER. REMOVAL AND DISPOSAL CONSIDERED SUBSIDIARY TO ALL OTHER ITEMS IN THE PROJECT, AND WILL NOT BE PAID FOR SEPARATELY.

d. ANY WASTE OR SPOIL MATERIAL WHICH IS EXCAVATED FROM THE JOB SITE IS TO BE DISPOSED OF AS DIRECTED BY THE OWNER.

e. UNLESS OTHERWISE NOTED ON THE DRAWINGS, DEMOLISHED ASPHALT PAVEMENT AND CONCRETE AND UNCLASSIFIED EXCAVATION SHALL BE REMOVED OFFSITE AND CONSTRUCTION MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LANDFILL OR SITE.
9. SUBSTITUTIONS
- f. SUBSTITUTIONS ARE NOT ALLOWED WITHOUT PRIOR APPROVAL FROM THE PROJECT ENGINEER OR OWNER.
10. MAINTENANCE OF TRAFFIC
- g. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC THROUGHOUT THE LIFE OF THE PROJECT, PER THE SPECIFICATIONS.
11. LAYDOWN AREA
- h. LAYDOWN AREAS MAY BE CONSTRUCTED AND/OR DESIGNATED FOR USE DURING CONSTRUCTION OF THIS PROJECT.

i. LAYDOWN AREAS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

j. CONTRACTORS MUST HAVE WRITTEN AGREEMENTS WITH PROPERTY OWNERS FOR LAYDOWN AREAS. A COPY OF AGREEMENTS MUST BE SUBMITTED TO OWNER.
12. FIELD OFFICE
- k. FIELD OFFICE FOR THE ENGINEER AND ITS REPRESENTATIVE(S) SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 015000, PAGE 2, PARAGRAPH 2.2.
13. ENVIRONMENTAL
- l. THE CONTRACTOR IS TO MEET ALL ENVIRONMENTAL REQUIREMENTS OF THE OWNER AND ANY REGULATORY AGENCY.

m.THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A STORM WATER POLLUTION PREVENTION PLAN MEETING ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS. A COPY OF THE SWPPP IS TO BE SUBMITTED TO PULASKI COUNTY AND, IF REQUIRED, ADEQ.

n. A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) BY THE CONTRACTOR FOR THE PROJECT TO BE COVERED UNDER THE ARKANSAS GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

o. ALL AREAS DISTURBED BY THIS WORK SHALL BE CLEANED, GRADED, TOPSOIL REPLACED, FERTILIZED, SEEDED, MULCHED, AND WATERED FOLLOWING COMPLETION AS REQUIRED IN THE STANDARD SPECIFICATIONS FOR SEEDING, TOPSOIL, AND CLEANUP, BEST MANAGEMENT PRACTICES, AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

p. ANY DISTURBED AREAS THAT ARE LEFT UNATTENDED FOR TWO WEEKS OR MORE, BUT MORE WORK IS ANTICIPATED AT A LATER TIME, MUST BE STABILIZED IN ACCORDANCE WITH THE SWPPP.

q. PER THE REQUIREMENTS SHOWN IN THE SWPPP, CONTRACTOR SHALL ERECT TEMPORARY SEDIMENT AND EROSION CONTROLS PRIOR TO STARTING WORK; AND SHALL MAINTAIN DRAINAGE AND EROSION CONTROLS FOR THE DURATION OF THE CONSTRUCTION WORK. THE TEMPORARY EROSION CONTROL DEVICES ARE TO BE REMOVED UPON COMPLETION OF THE WORK AS PART OF OVERALL CLEANUP ACTIVITIES.

r. CONTRACTOR SHALL KEEP CURRENT COPY OF THE SWPPP ON SITE AT ALL TIMES.
- s. CONTRACTOR SHALL KEEP WORK AREA CLEAN AND FREE OF ACCUMULATED TRASH AND DEBRIS. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING MEASURES TO AVOID TRACKING OF MUD, DIRT, ROCKS, AND DEBRIS ONTO AREAS OUTSIDE THE PROJECT AREA. CONTRACTOR SHALL CLEAN PAVEMENTS WHEN NECESSARY OR AS OTHERWISE DIRECTED, AND SHALL CONTROL DUST BY SWEEPING AND WATERING AS NEEDED. DE-TRACKING IS REQUIRED AT ALL ENTRANCES.
- t. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PAY ALL COSTS ASSOCIATED WITH FINES OR PENALTIES THAT MAY BE IMPOSED BY THE GOVERNMENTAL AUTHORITY FOR THE FAILURE OF THE CONTRACTOR, THE CONTRACTOR'S SUBCONTRACTORS, THE CONTRACTOR'S SUPPLIERS, OR THE CONTRACTOR'S AGENTS HAVING ACCESS TO THE SITE TO COMPLY WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND/OR COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN. THE OWNER SHALL BE ENTITLED TO WITHHOLD SUCH FROM CONTRACT FUNDS THAT MAY BE DUE TO THE CONTRACTOR AND/OR CLAIM THROUGH THE APPROPRIATE COURT HAVING JURISDICTION.
- u. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE POSTING AND MAINTENANCE OF NOTICES IN THE AREA OF THE CONSTRUCTION WITH INFORMATION AS REQUIRED BY ADEQ REGULATION.

- v. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN AND UPDATE RECORDS AND INSPECTIONS REPORTS REQUIRED BY THE GENERAL PERMIT FROM STORM WATER DISCHARGES AND THE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN. COPIES OF ALL DOCUMENTS SHALL BE AVAILABLE AT ALL TIMES AND PROVIDED TO THE OWNER AND/OR THE OWNER'S REPRESENTATIVE UPON DEMAND AND SHALL BE DELIVERED TO THE OWNER PRIOR TO FINAL PAYMENT.
- w.INFORMATION REGARDING THE STORM WATER POLLUTION PREVENTION PLAN AND THE PERTINENT REGULATION MAY BE ACCESSED AT WWW.ADEQ.STATE.AR.US
14. CONFLICT IN CONTRACT DOCUMENTS
- x. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.

y. CONTRACTOR SHALL IMMEDIATELY REPORT AND DOCUMENT ANY KNOWN OR SUSPECTED ERRORS, OVERSIGHTS, INCONSISTENCIES, CONFLICTS, OR AMBIGUOUS INFORMATION TO THE PROJECT ENGINEER THAT THE CONTRACTOR DISCOVERS WITHIN THE CONTRACT DOCUMENTS AND/OR FIELD CONDITIONS; AND SHALL NOT PROCEED WITH ANY WORK THAT IS AFFECTED BY THE MATTER OF CONCERN UNTIL IT HAS BEEN FULLY RESOLVED AND ANY COST ADJUSTMENTS HAVE BEEN MET. THE PROJECT ENGINEER AND THE OWNER SHALL BE HELD HARMLESS IN THE EVENT THE PROJECT ENGINEER IS NOT IMMEDIATELY NOTIFIED OF CONFLICTS OR PROBLEMS, OR IF THE CONTRACTOR SHOULD FAIL TO CEASE WORK AND PROVIDE IMMEDIATE NOTIFICATION UPON ITS DISCOVERY.
15. MEASUREMENT AND PAYMENT
- aa. REFER TO SECTION 012200 "MEASUREMENT AND PAYMENT".

ab. ALL OTHER WORK ITEMS REQUIRED FOR COMPLETING THE SCOPE OF WORK IN THIS CONTRACT SHALL NOT BE PAID FOR SEPARATELY BUT IS CONSIDERED SUBSIDIARY TO ALL THE OTHER BID ITEMS.

GENERAL CONSTRUCTION NOTES - SITE WORK

1. SURVEY CONTROL POINTS ARE SHOWN ON THE DRAWING 3 WERE DERIVED FROM ARDOT PROJECT # 061738 . ALL CONTROL POINTS AND LAND MONUMENTS LOCATED WITHIN AND ADJACENT TO THE CONSTRUCTION AREA SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION. ANY DISTURBED MONUMENTATION SHALL BE RE-ESTABLISHED BY A PROFESSIONAL LAND SURVEYOR. THE COST OF RE-ESTABLISHING THE MONUMENTATION SHALL BE BORNE BY THE CONTRACTOR.
2. CONTRACTOR SHALL CLEAR AND GRUB THE ENTIRE WIDTH OF THE PERMANENT EASEMENT.
3. TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED. CARE SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED ARE PROTECTED FROM CONSTRUCTION OPERATIONS. CONSTRUCTION EQUIPMENT SHALL NOT WORK WITHIN THE DRIP LINE OF TREES TO BE PROTECTED. REMOVED TREES ARE TO BE DISPOSED OF AS APPROVED BY THE OWNER, SEE GENERAL NOTE NO. 8 THIS SHEET.
4. CRUSHER SCREENINGS (CRUSHER DUST) MAY NOT BE USED AS SELECT FILL IN EMBANKMENT.
5. THE CONTRACTOR SHALL MAINTAIN POSITIVE SITE DRAINAGE AT ALL TIMES.
6. THE GROUND SURFACE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE GRADED TO DRAIN AWAY FROM THE DISTURBANCE. ALL ROCK AND DEBRIS (2" DIAMETER AND LARGER) SHALL BE REMOVED AND DISPOSED OF OFF THE JOB SITE.
7. ALL DISTURBED AREAS SHALL BE RESTORED WITH A 4-INCH (4") LAYER OF TOPSOIL AND SOLID SOD OR SEED, FERTILIZER, AND MULCH AS SPECIFIED.
8. WHERE IT IS NECESSARY TO CUT EXISTING ASPHALT OR CONCRETE PAVEMENT FOR TRENCHING, PAVEMENT REPAIR OR MATCHING NEW CONSTRUCTION, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT TO PROVIDE A STRAIGHT EDGE, AND SMOOTH TRANSITION.
9. THE CONTRACTOR SHALL DE-WATER STRUCTURAL AND TRENCH EXCAVATION IN ACCORDANCE WITH THE SPECIFICATIONS.
10. THE CONTRACTOR SHALL, BY REPAIR OR REPLACEMENT, RETURN TO EQUAL OR BETTER CONDITION ALL PAVEMENT, FENCES, LAWNS, UTILITIES, AND OTHER ITEMS OR PROPERTY DAMAGED BY THIS CONSTRUCTION ACTIVITY OR OPERATIONS.
11. THE CONTRACTOR SHALL COMPLETE ALL SPECIAL CONSIDERATION ITEMS REQUIRED BY THE PROPERTY OWNERS THAT WERE AGREED TO BE PROVIDED IN EXCHANGE FOR AN EASEMENT. COPIES OF "SPECIAL CONSIDERATIONS" FORMS CAN BE OBTAINED FROM THE ENGINEER OR THE OWNER.

GENERAL CONSTRUCTION NOTES - SITE PIPING

1. ALL DUCTILE IRON WATER PIPING AND FITTINGS SHALL BE CONFORM TO THE TECHNICAL SPECIFICATIONS. ALL DUCTILE IRON PIPE USED IS TO BE 250 PSI PRESSURE CLASS.
2. ALL TRENCHING, BACKFILL AND BEDDING TO MEET REQUIREMENTS SHOWN IN THE DETAILS AND SPECIFICATIONS FOR THIS PROJECT.
3. THE MINIMUM DEPTH OF COVER FOR PIPING IS 36 INCHES (36").
4. THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST 48 HOURS PRIOR TO SCHEDULED CONNECTIONS OF ANY WORK INVOLVING WATER PIPING. INTERRUPTION OF WATER SERVICE SHALL BE KEPT TO A MINIMUM. SCHEDULING SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND THE ENGINEER.

5. TESTING LINES - ALL LINES SHALL BE TESTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR THE ENGINEER'S REPRESENTATIVE. ALL LINES SHALL BE CLEAN PRIOR TO PERFORMING TESTS. TESTING SHALL INCLUDE HYDROSTATIC TESTING AS REQUIRED IN THE SPECIFICATIONS.
6. THE CONTRACTOR SHALL MAINTAIN ALL ADJACENT WATER LINES IN SERVICE DURING CONSTRUCTION, EXCEPT AS ALLOWED BY THE OWNER AND THE ENGINEER. IN ALL CASES, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, PIPE SUPPORT, AND/OR TRENCH BOXES TO MAINTAIN THE INTEGRITY OF THE EXISTING PIPING.
7. MAINTAIN TEN (10) FEET HORIZONTAL DISTANCE BETWEEN WATER MAIN AND STORM DRAIN OR SANITARY SEWER MAIN, AS A MINIMUM.
8. A MINIMUM HORIZONTAL DISTANCE OF TEN (10) FEET SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES OR OTHER SOURCES OF CONTAMINATION. WATER LINES AND SEWERS SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT ON THE WRITTEN APPROVAL OF ARKANSAS DEPARTMENT OF HEALTH. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN (10) FEET EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST EIGHTEEN (18) INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO (2) PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH.
9. CONCRETE NOTES
1. CONCRETE POURED-IN-PLACE FOR THRUST BLOCKS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI, OR AS SHOWN IN THE PLANS OR TECHNICAL SPECIFICATIONS.

2. CONCRETE POURED-IN-PLACE FOR STRUCTURES SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI, OR AS SHOWN IN THE PLANS OR TECHNICAL SPECIFICATIONS.

3. CONCRETE EXPOSED TO FREEZING TEMPERATURES IS TO HAVE 4% - 6% AIR ENTRAINMENT.

4. ALL EXPOSED EDGES OF CONCRETE STRUCTURES ARE TO HAVE 3/4" CHAMFERED EDGES.

LEGEND

- R/W ————

EXISTING RIGHT-OF-WAY

———— W ————

EXISTING WATER LINE

——— X ——— X ———

EXISTING FENCE

——— OHE ——— OHE ———

EXISTING OVERHEAD ELECTRIC

———— R/W ————

PROPOSED RIGHT-OF-WAY

—— ——— ———

TEMPORARY CONSTRUCTION EASEMENT

— — — — —

PERMANENT UTILITY EASEMENT

—————

PROPOSED WATER LINE



EXISTING POWER POLE

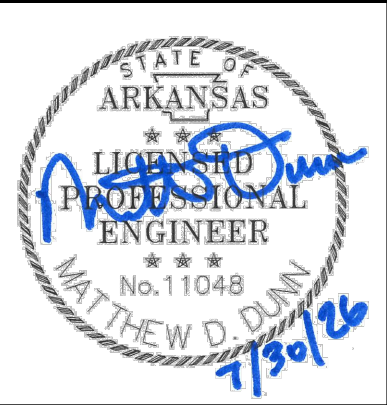


EXISTING FIBER OPTIC MARKER



PROPOSED AIR RELEASE VALVE

1	09/14/26	JDW	MDD	ADDENDUM NO. 1	
REV. NO.	DATE	DRWN	CHKD	REMARKS	



0 1"
1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

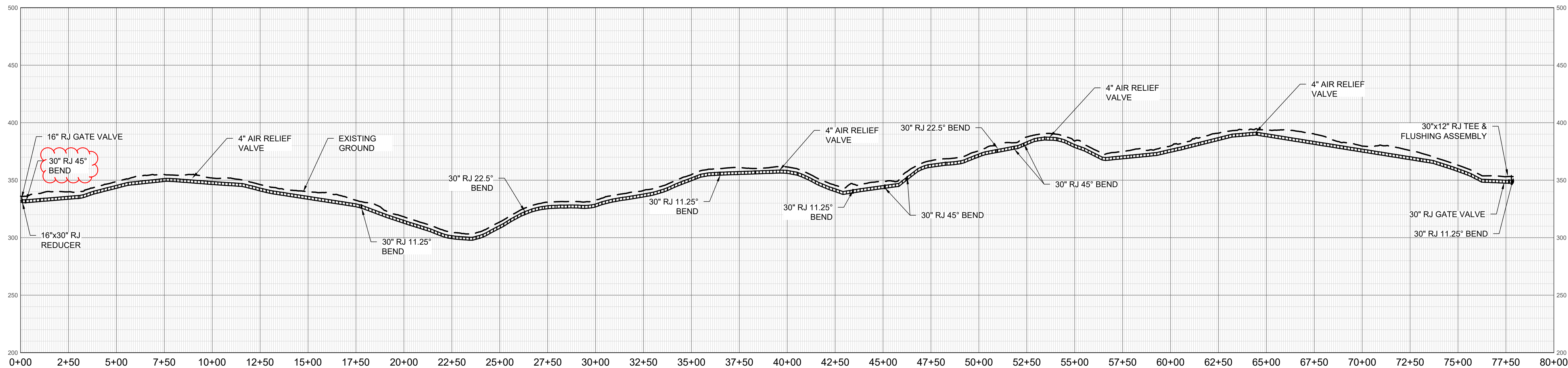
DESIGNED:	JLS
DRAFTED:	JDW
CHECKED:	MDD
DATE:	JULY 2026



CRIST ENGINEERS, INC.
CONSULTING ENGINEERS

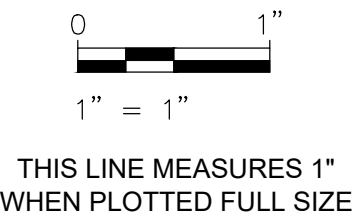
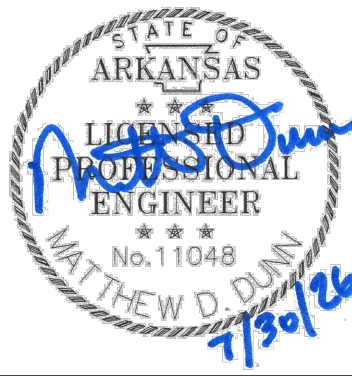
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

CABOT, ARKANSAS		JOB NO.
HWY. 107 WATER LINE RELOCATION		24048
CABOT WATER WORKS		SHEET NO.
ARDOT PROJECT NO. 061738		
BID SET		
GENERAL NOTES		2



OVERALL SITE PROFILE
SCALE: (H)1" = 300', (V) 1" = 50'

1	09/14/26	JDW	MDD	ADDENDUM NO. 1
REV. NO.	DATE	DRWN	CHKD	REMARKS



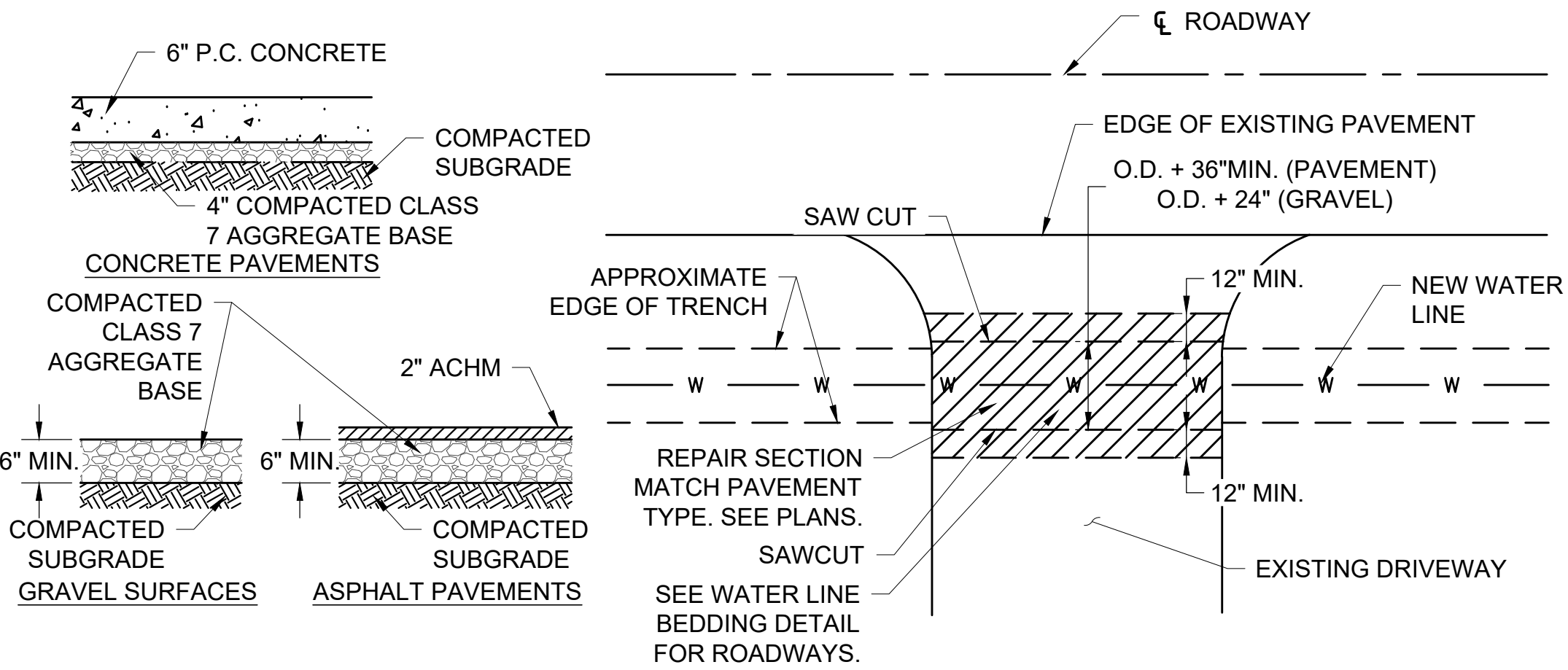
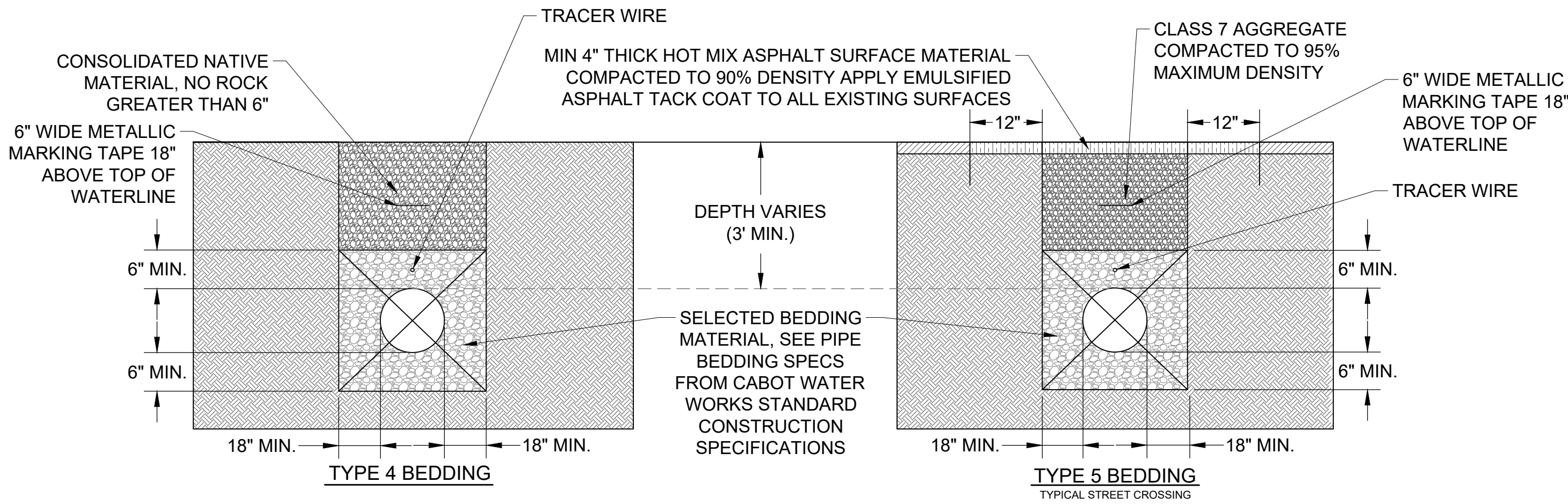
DESIGNED:	JLS
DRAFTED:	JDW
CHECKED:	MDD
DATE:	JULY 2026



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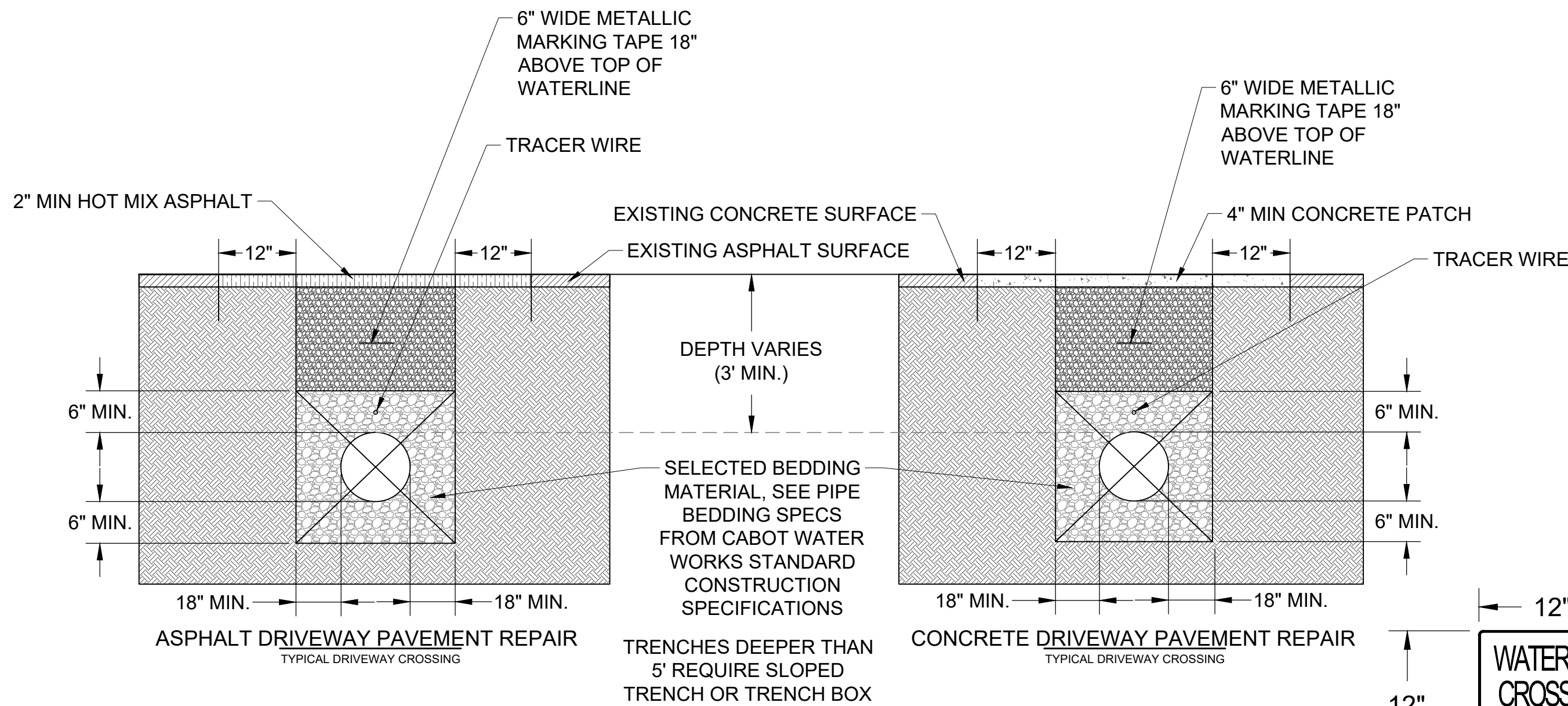
CABOT, ARKANSAS
HWY. 107 WATER LINE RELOCATION
CABOT WATER WORKS
ARDOT PROJECT NO. 061738
BID SET
OVERALL SITE PROFILE

JOB NO.	24048
SHEET NO.	5

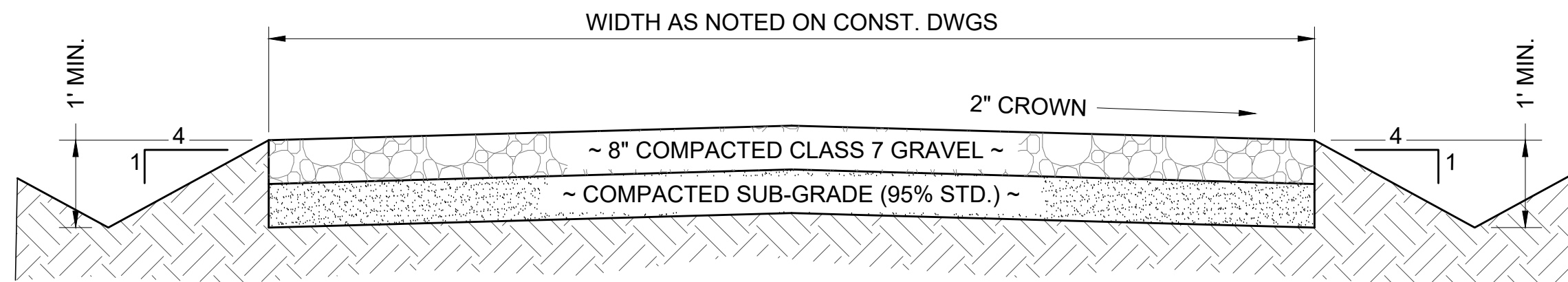


- NOTES:
1. THIS DETAIL IS FOR REPAIR OF EXISTING DRIVEWAYS ONLY.
 2. PROVIDE SMOOTH TRANSITION ON FINAL PAVED SURFACES
 3. MATCH EXISTING DRIVEWAY MATERIAL TYPE.
 4. BACKFILL TRENCHES WITH CLASS 7 AGGREGATE BASE COURSE.

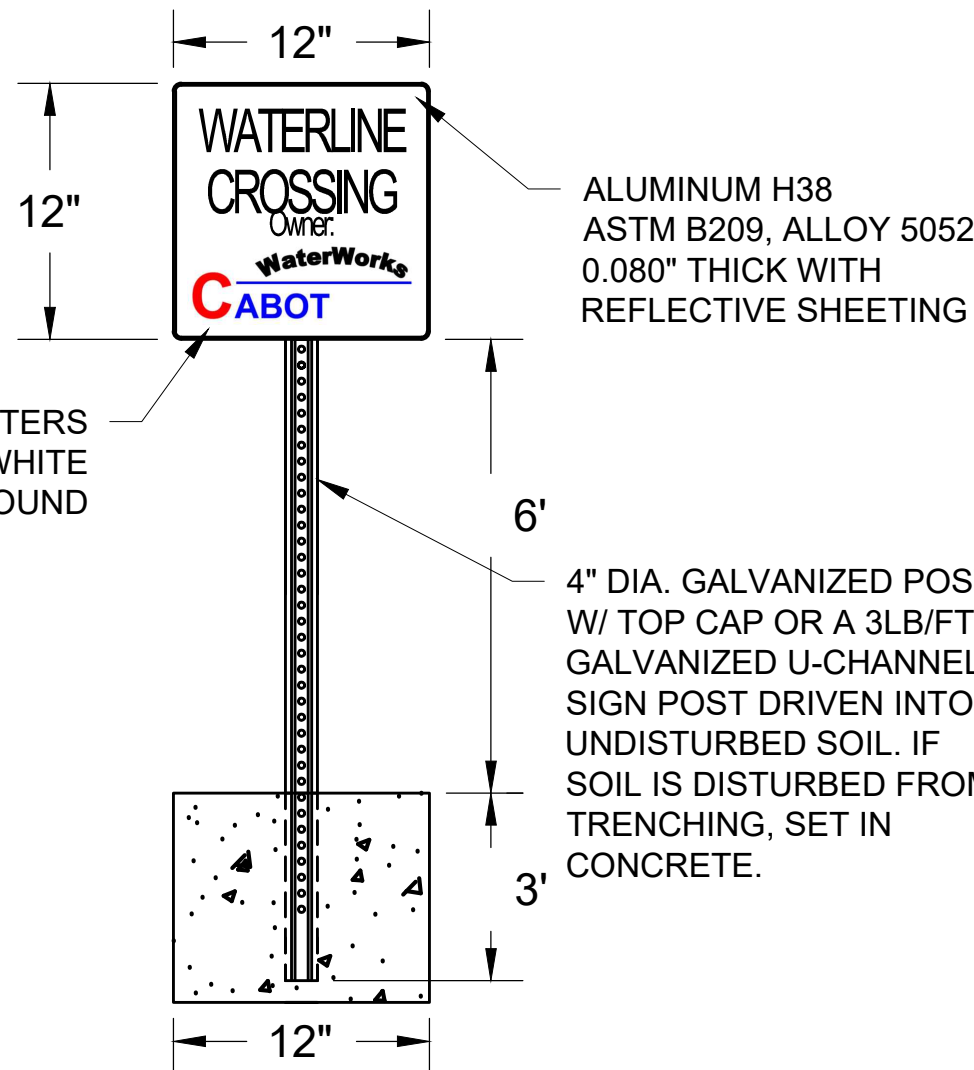
PAVED OR GRAVEL DRIVE REPAIR (B)
N.T.S. 7, 12



PIPE BEDDING & BACKFILL (A)
N.T.S. 18



GRAVEL ACCESS DRIVE (C)
N.T.S. 6, 11, 12



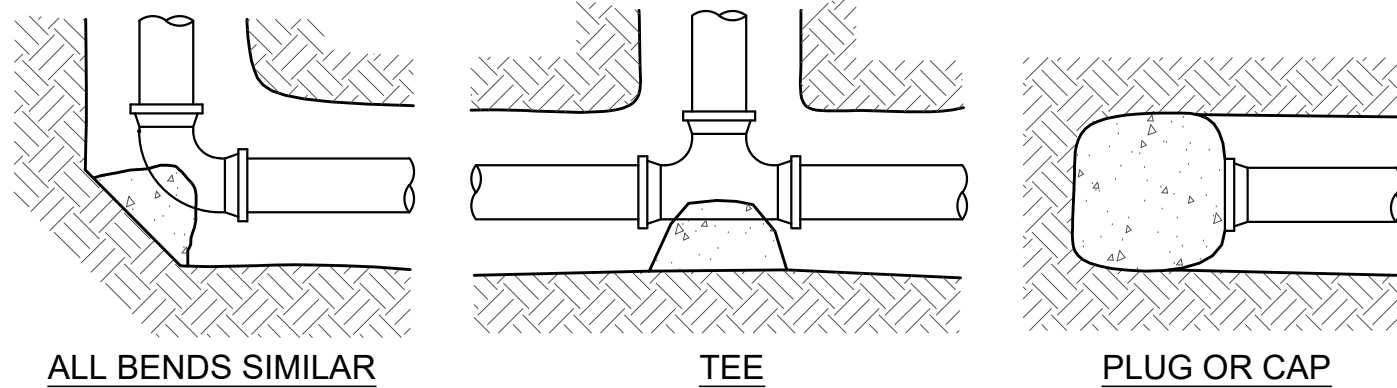
WATER LINE CROSSING SIGN (D)
N.T.S. 12

FITTINGS	THRUST PER 180 P.S.I. PRESSURE **															
	THRUST (TONS)															
	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
11 1/4°	0.06	0.13	0.32	0.66	1.14	1.71	2.42	3.25	4.20	5.28	6.48	9.24	14.22	20.37	27.49	35.83
22 1/2°	0.11	0.25	0.64	1.32	2.26	3.41	4.82	6.47	8.37	10.51	12.89	18.39	28.30	40.53	54.72	71.31
45°	0.20	0.49	1.25	2.58	4.44	6.68	9.44	12.69	16.41	20.61	25.29	36.08	55.50	79.51	107.33	139.88
90°	0.40	0.90	2.31	4.77	8.20	12.34	17.45	23.45	30.32	38.08	46.73	67.70	102.56	146.91	193.33	258.46
Plug	0.28	0.64	0.64	3.77	5.79	8.71	12.32	16.55	21.40	26.88	32.98	47.05	72.38	103.69	103.69	182.42

** THE TABLE ABOVE LISTS THE RESULTANT THRUST AT A PRESSURE OF 180 P.S.I.

HORIZONTAL THRUST BLOCKING NOTES:

1. CONCRETE FOR THRUST BLOCKS SHALL DEVELOP NOT LESS THAN 3,000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND SHALL BE PLACED AGAINST UNDISTURBED SOIL.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE THRUST BLOCKING. THE INFORMATION SHOWN IS FOR CONTRACTORS USE.
3. THRUST BLOCKING SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS OBTAINED INITIAL SET.
4. WRAP ALL BOLTS AND NUTS WITH PLASTIC TO PROTECT FROM CONCRETE.
5. AN ENGINEER LICENSED IN THE STATE OF ARKANSAS IS RESPONSIBLE FOR ALL THRUST BLOCKING CALCULATIONS.

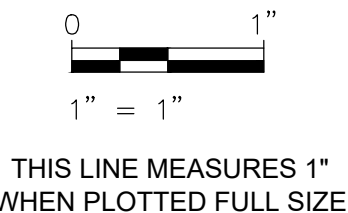
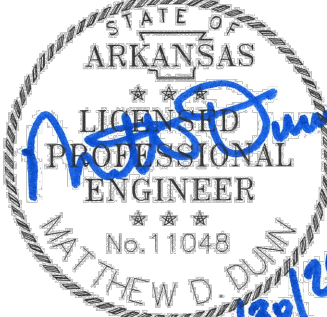


TYPE OF SOIL	SUGGESTED SAFE BEARING VALUES (TONS/S.F.)
SOLID ROCK	25.00
HARD SLATE	6.00
MEDIUM SHALE	4.00
SOFT SHALE	2.00
DRY CLAY GRAVEL	4.00
SOFT CLAY	1.50
DRY SAND OR LOAM	2.50
WET CLAY	0.75

* CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING BEARING VALUES.

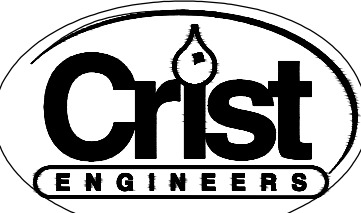
HORIZONTAL THRUST BLOCKING (E)
N.T.S. 18

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	09/14/26	JDW	MDD	ADDENDUM NO. 1



THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED:	JLS
DRAFTED:	JDW
CHECKED:	MDD
DATE:	JULY 2026



CRIST ENGINEERS, INC.
CONSULTING ENGINEERS

1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
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WWW.CRISTENGINEERS.COM

CABOT, ARKANSAS
HWY. 107 WATER LINE RELOCATION
CABOT WATER WORKS

ARDOT PROJECT NO. 061738

BID SET
CIVIL SITE DETAILS - II

JOB NO.
24048

SHEET NO.