



Goodwyn Mills Cawood  
11 North Water Street  
Suite 15250  
Mobile, Alabama 36602  
T 251.460.4006  
F 251.460.4423

**TRANSMITTAL COVER SHEET**

**DATE:** June 30, 2025  
**TO:** ALL CONTRACTORS  
**FROM:** Wheeler Crook  
**PROJECT:** DWSRF WHITEROCK & HUGULEY ROAD WATER IMPROVEMENTS  
FOR RUSSELL COUNTY WATER AUTHORITY  
SRF PROJECT NO. FS010042-03  
GMC PROJECT NO. CMGM230045(4)  
**RE:** ADDENDUM #1

**PLEASE COMPLETE BELOW AND RETURN IMMEDIATELY.**

Ashley Morris  
Email: [Ashley.Morris@gmcnetwork.com](mailto:Ashley.Morris@gmcnetwork.com)

I, the undersigned, hereby acknowledge receipt of this Addendum #1.

\_\_\_\_\_  
Authorized Representative of Contractor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Contractor's License Number (if applicable)



# ADDENDUM NUMBER 1

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DWSRF - WHITEROCK & HUGULEY ROAD WATER IMPROVEMENTS

FOR

RUSSELL COUNTY WATER AUTHORITY

SRF PROJECT NO. FS010042-03

GMC PROJECT NO. CMGM230045(4)

## 1. Revisions to Project

- 1.1 The following revisions are hereby added as Addendum No. 1 to the referenced Project Manual and Plans and shall be considered when preparing bids.
- 1.2 Attached is a Revised Bid Form to be used in submitting sealed bids.
- 1.3 Attached is a Revised Addendum No. 1 Plan Set.
- 1.4 Fire Hydrants (Red) in color shall be approved as equal to (Yellow) hydrants as specified.

## 2. Reminder to Prospective Bidders

- 2.1 This project is being funded by SRF Project No. FS010042-03 and **will require DBE documentation** from the low, responsive, responsible bidder no later than 10 days after bid opening. Please refer to the project manual for instructions.

## 3. Acknowledgement of Receipt

- 3.1 Receipt of Addendum No. 1 shall be acknowledged in two ways:
  - 3.1.1 Note on (EJCDC C-410) page 5 of Bid Form of the Project Manual – Bidder acknowledges receipt of “Addendum No. 1” and date of “June 30, 2025”.
  - AND**
  - 3.1.2 EMAIL GMC immediately at [ashley.morris@gmcnetwork.com](mailto:ashley.morris@gmcnetwork.com) and confirm that addendum has been received and is legible.

## 4. Conclusion

- 4.1 This is the end of Addendum Number 1, dated Monday, June 30, 2025.

# **(ADDENDUM NO. 1) BID FORM FOR CONSTRUCTION CONTRACT**

DWSRF – WHITEROCK & HUGULEY ROAD WATER IMPROVEMENTS

FOR THE RUSSELL COUNTY WATER AUTHORITY

DWSRF PROJECT NO.: FS010042-03

GMC PROJECT NO.: CMGM230045(4)

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## **ARTICLE 1—OWNER AND BIDDER**

1.01 This Bid is submitted to:

**Attn: Mark Godwin, Chairman  
Russell County Water Authority  
4109 Sandfort Road  
P.O. Box 970  
Phenix City, AL 36868**

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

## **ARTICLE 2—ATTACHMENTS TO THIS BID**

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids; and
- E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids.
- F. Accounting of Sales Tax Attachment to Proposal Form
- G. EPA Form 6-100-2, 6-100-3, 6-100-4

## **ARTICLE 3—BASIS OF BID—UNIT PRICES**

3.01 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices:
- B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

**GENERAL ITEMS**

<u>ITEM</u>	<u>QTY.</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1	1	LS	Mobilization & General Conditions (Not to Exceed 3% OF Total Bid)	\$ <u>LS</u>	\$ _____
2	1	LS	Clearing, Grubbing & Disposal	\$ <u>LS</u>	\$ _____
3	1	LS	Cleanup, Seeding, Mulching, Landscaping & Site Restoration	\$ <u>LS</u>	\$ _____
4	1	LS	Traffic Control Measures (Includes Cont. Signs, Barrels, Cones, Flagman, Etc.)	\$ <u>LS</u>	\$ _____
5	1	LS	Erosion Control Measures (Includes Silt Fence & Removal, Wattles, Hay Bales, Etc.)	\$ <u>LS</u>	\$ _____
6	1	LS	Allowance - GIS Data Collection	\$ <u>LS</u>	\$ <u>5,000.00</u>
7	1	LS	Allowance - Stormwater Permit	\$ <u>LS</u>	\$ <u>15,000.00</u>
8	1	LS	Allowance - Owner's Contingency	\$ <u>LS</u>	\$ <u>40,000.00</u>
<b>TOTAL GENERAL ITEMS</b>					\$ <u>_____</u>

**WHITEROCK RD Water Improvements: C-301 - C-303**

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
9	2060	LF	3/4" Municipex Water Service Tubing w/ Tracer Wire	\$ _____	\$ _____
10	380	LF	2" SDR17 CL250 Blue PVC Water Main w/ Tracer Wire	\$ _____	\$ _____
11	120	LF	3" SDR17 CL250 Blue PVC Water Main w/ Tracer Wire	\$ _____	\$ _____
12	6420	LF	8" SDR17 CL250 Blue PVC Water Main w/ Tracer Wire	\$ _____	\$ _____
13	2	EA	3" Gate Valve Assembly	\$ _____	\$ _____
14	5	EA	6" Gate Valve Assembly	\$ _____	\$ _____
15	4	EA	8" Gate Valve Assembly	\$ _____	\$ _____
16	3	EA	3" Bell Restraints	\$ _____	\$ _____
17	3	EA	6" Bell Restraints	\$ _____	\$ _____
18	5	EA	8" Bell Restraints	\$ _____	\$ _____
19	2	EA	1" Combination Air Release/Vacuum Valve	\$ _____	\$ _____
20	4	EA	Fire Hydrant Assembly	\$ _____	\$ _____

21	1	EA	Remove Fire Hydrant Assembly and Return to Owner	\$ _____	\$ _____
22	34	EA	Shortside Service Transfer (Includes Service Tap, Corp. & Curb Stop)	\$ _____	\$ _____
23	36	EA	Longside Service Transfer (Includes Service Tap, Corp. & Curb Stop w/ Punch / Drill Underneath Roadway)	\$ _____	\$ _____
24	40	LF	6" Welded Steel Encasement Pipe (Jack & Bore Installation)	\$ _____	\$ _____
25	40	LF	10" Welded Steel Encasement Pipe (Jack & Bore Installation)	\$ _____	\$ _____
26	70	LF	14" Welded Steel Encasement Pipe (Jack & Bore Installation)	\$ _____	\$ _____
27	100	LF	Cut, Compact & Patch Gravel / Crushed Aggregate Driveway	\$ _____	\$ _____
28	410	LF	Cut, Dispose & Install Concrete Pavement Patch	\$ _____	\$ _____
29	1500	LF	Cut, Dispose & Install Asphalt Pavement Patch	\$ _____	\$ _____
30	1	EA	8" Tapping Sleeve and Valve	\$ _____	\$ _____
31	2	EA	3" Wet Connection	\$ _____	\$ _____
32	5	EA	6" Wet Connection	\$ _____	\$ _____
33	3	EA	8" Wet Connection	\$ _____	\$ _____
34	2	EA	Cut & Cap Ex. 3" Water Main	\$ _____	\$ _____
35	4	EA	Cut & Cap Ex. 6" Water Main	\$ _____	\$ _____
36	3	EA	Cut & Cap Ex. 8" Water Main	\$ _____	\$ _____
37	1	EA	Cut & Cap Ex. 10" Water Main	\$ _____	\$ _____
38	1	LS	Abandon In Place Existing Water Mains	\$ LS	\$ _____
39	2	TON	Ductile Iron Fittings	\$ _____	\$ _____

**TOTAL WHITEROCK RD IMPROVEMENTS** \$ \_\_\_\_\_

**HUGULEY RD Water Improvements: C-304 - C-308**

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
40	1685	LF	3/4" Municipex Water Service Tubing w/ Tracer Wire	\$ _____	\$ _____
41	9450	LF	6" SDR17 CL250 Blue PVC Water Main w/ Tracer Wire	\$ _____	\$ _____
42	300	LF	6" DR18 CL250 Blue FPVC Water Main w/ Tracer Wire	\$ _____	\$ _____
43	4	EA	6" Gate Valve Assembly	\$ _____	\$ _____
44	6	EA	6" Bell Restraint	\$ _____	\$ _____

45	3	EA	1" Combination Air Release/Vacuum Valve	\$ _____	\$ _____
46	2	EA	Fire Hydrant Assembly	\$ _____	\$ _____
47	2	EA	Remove Fire Hydrant Assembly and Return to Owner	\$ _____	\$ _____
48	17	EA	Shortside Service Transfer (Includes Service Tap, Corp. & Curb Stop)	\$ _____	\$ _____
49	22	EA	Longside Service Transfer (Includes Service Tap, Corp. & Curb Stop w/ Punch / Drill Underneath Roadway)	\$ _____	\$ _____
50	300	LF	Cut, Compact & Patch Gravel / Crushed Aggregate Driveway	\$ _____	\$ _____
51	50	LF	Cut, Dispose & Install Concrete Pavement Patch	\$ _____	\$ _____
52	15	LF	Cut, Dispose & Install Asphalt Pavement Patch	\$ _____	\$ _____
53	1	EA	6" Tapping Sleeve and Valve	\$ _____	\$ _____
54	1	EA	6" Wet Connection	\$ _____	\$ _____
55	2	EA	Cut & Cap Ex. 6" Water Main	\$ _____	\$ _____
56	1	LS	Abandon In Place Existing Water Mains	\$ <u>LS</u>	\$ _____
57	2	TON	Ductile Iron Fittings	\$ _____	\$ _____

**TOTAL HUGULEY RD IMPROVEMENTS** \$ \_\_\_\_\_

**TOTAL BID:** \$ \_\_\_\_\_

**ARTICLE 4—TIME OF COMPLETION**

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder agrees that the Work will be substantially complete within **90** calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **120** calendar days after the date when the Contract Times commence to run.
- 4.03 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

5.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

**ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS**

6.01 *Bidder’s Representations*

- A. In submitting this Bid, Bidder represents the following:
  - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
  - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
  - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
  - 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
  - 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder’s (Contractor’s) safety precautions and programs.
  - 7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
  - 8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
  - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

*SIGNATURE PAGE TO FOLLOW*

Bidder:

\_\_\_\_\_  
*(typed or printed name of organization)*

By:

\_\_\_\_\_  
*(individual's signature)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Date:

\_\_\_\_\_  
*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest:

\_\_\_\_\_  
*(individual's signature)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Date:

\_\_\_\_\_  
*(typed or printed)*

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contact:

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Phone:

\_\_\_\_\_

Email:

\_\_\_\_\_

Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contractor License No.: (if applicable)

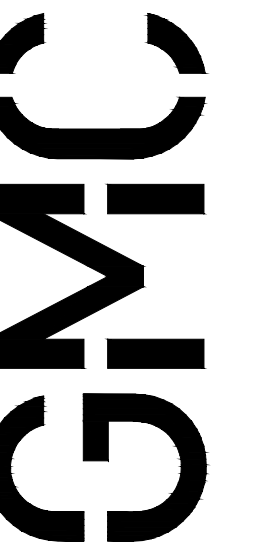
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# DWSRF WHITEROCK & HUGULEY RD WATER IMPROVEMENTS

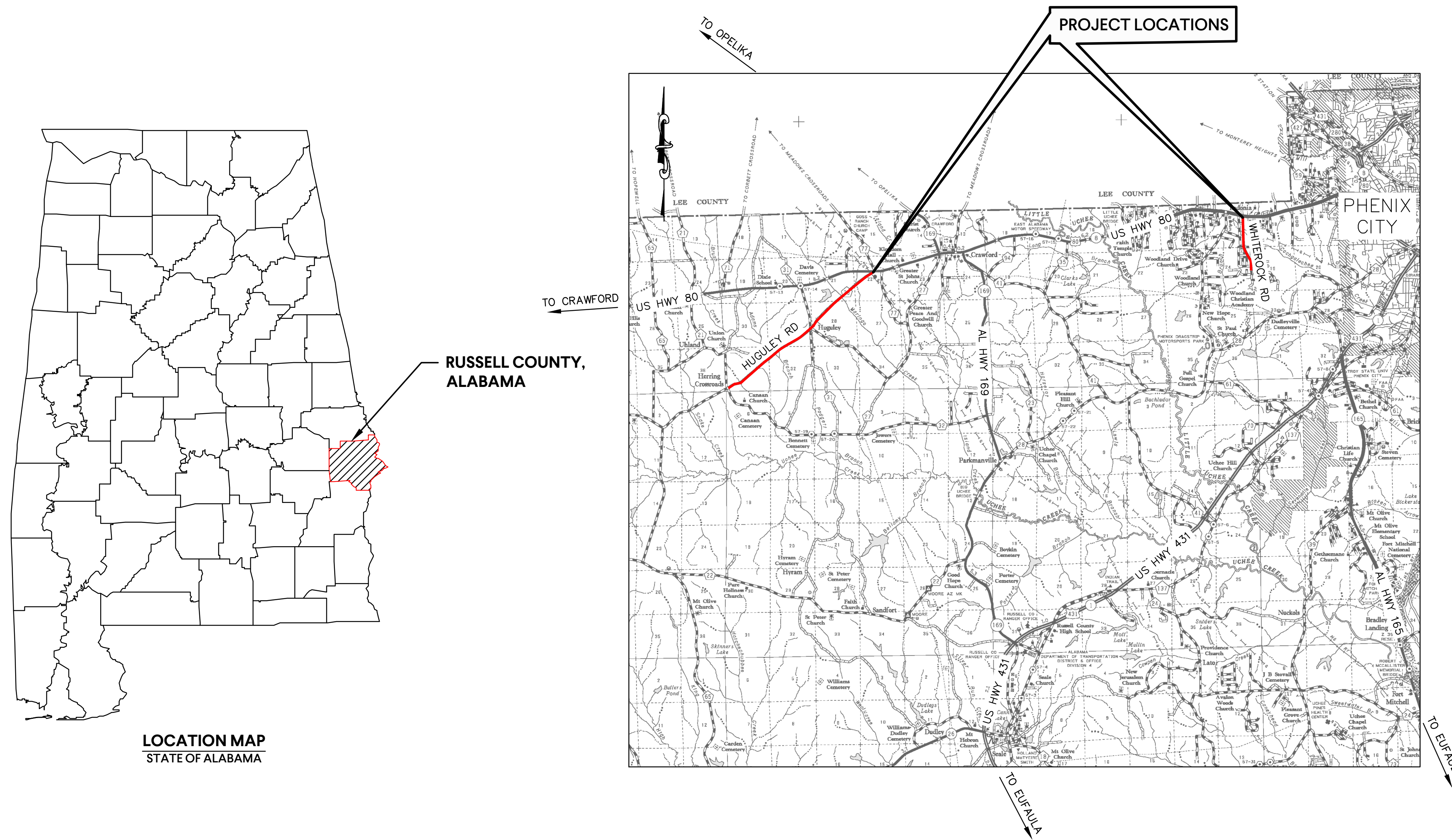


RUSSELL COUNTY WATER AUTHORITY  
ADEM DWSRF PROJECT # FS010042-03  
GMC PROJECT # CMGM 23-0045(4)

RUSSELL COUNTY, ALABAMA



2660 East Chase Lane, Suite 200  
Montgomery, AL 36117  
T 334.271.3200

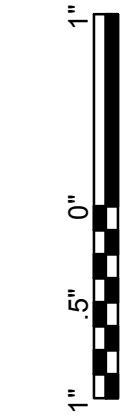


VICINITY MAP  
NOT TO SCALE

DRAWING INDEX		
SHT #	SEQ. #	SHEET TITLE
1	G-001	INDEX TO DRAWINGS, VICINITY MAP & LOCATION MAP
2	G-002	PROJECT NOTES & SYMBOLS LEGENDS
3	G-003	OVERALL PROJECT MAP
4 - 6	C-301 - C-303	WATER MAIN PLAN - WHITEROCK ROAD
7 - 11	C-304 - C-308	WATER MAIN PLAN - HUGULEY ROAD
12	C-309	WATER MAIN PLAN - STANDARD BORE PROFILE
13	C-901	GANG METER BOX DETAILS
14	C-902	WATER DETAILS
15	C-903	STANDARD DETAILS
16 - 17	C-904 - C-905	EROSION CONTROL DETAILS
18	C-906	TRAFFIC CONTROL DETAILS

ISSUE DATE

FINAL 05.30.2025  
ADDENDUM NO.1 06.26.2025



DRAWN BY: JSB  
DESIGNED BY: JSB  
CHECKED BY: JDL

WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
GMC# CMGM23-0045(4)



COVER SHEET

G-001



Know what's below.  
Call before you dig.

May 2025  
Addendum No. 1

**UTILITY CONTACTS**

GOODWYN MILLS CAWOOD, LLC  
WHEELER CROOK, PE - VICE PRESIDENT  
PHONE: (334) 271-3200

GOODWYN MILLS CAWOOD, LLC  
TIM MITCHELL - CONSTRUCTION MANAGER  
PHONE: (334) 468-1249

RUSSELL COUNTY WATER AUTHORITY  
SHEPPARD DEARING - GENERAL MANAGER  
PHONE: (334) 297-3393

RUSSELL COUNTY HIGHWAY DEPARTMENT  
SHAWN BLAKENEY, PE - COUNTY ENGINEER  
PHONE: (334) 855-0209

USIC  
STEVE TRAMMELL - FIELD TECHNICIAN  
PHONE: (205) 784-6698

KINDER MORGAN  
LUCAS FRALEY  
PHONE: (334) 268-0299

DIXIE PIPE LINE COMPANY  
DESTRY HARRISON  
PHONE: (334) 740-5238

NOTE: THIS LIST IS NOT ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES FOR LINE LOCATIONS/INFORMATION.

\*\*\*\* SERVES AS THE FIELD TECHNICIAN FOR ALABAMA POWER COMPANY, AT&T, & TALLAPOOSA ELECTRIC COOPERATIVE

**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
CL	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARD
DIA	DIAMETER
DI	DUCTILE IRON
EA	EACH
EL	ELEVATIONS
EX.	EXISTING
GV	GATE VALVE
LF	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N.T.S.	NOT TO SCALE
PP	POWER POLE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RED	REDUCER
REQ'D	REQUIRED
RJDI	RESTRAINED JOINT DUCTILE IRON
SS	SANITARY SEWER
SHT	SHEET
SPECS	SPECIFICATIONS
SY	SQUARE YARD
TC	TERRA COTTA
TYP	TYPICAL
WI	WITH
W/O	WITHOUT
WM	WATER METER
WV	WATER VALVE

**PROJECT NOTES**

- ALL FLUSHING, PRESSURE TESTING AND DISINFECTION OF PRESSURE PIPELINES SHALL BE IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT), OCCUPATIONAL SAFETY & HEALTH ASSOCIATION (OSHA), ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM), AMERICAN WATER WORKS ASSOCIATION (AWWA), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND RUSSELL COUNTY WATER AUTHORITY (RCWA) SPECIFICATIONS AND REGULATIONS. A CHART RECORDING WILL BE REQUIRED FOR PRESSURE TESTING.
- WATER FOR FLUSHING, PRESSURE TESTING AND DISINFECTION WILL BE SUPPLIED BY THE OWNER AT NO COST TO THE CONTRACTOR.
- RCWA REQUIRE A 7 BUSINESS DAY NOTIFICATION PRIOR TO BEGINNING WORK.
- ALL WATER LINES SHALL BE INSTALLED TO A DEPTH OF COVER OF NOT LESS THAN 36", EXCEPT WHERE DEEPER COVER IS REQUIRED BY CONFLICTS WITH EXISTING UTILITIES. 48" MINIMUM COVER IS REQUIRED UNDER ROADWAY BORE CROSSINGS.
- ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE AND THE LOCATION OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS CAUTIONED THAT THERE ARE MULTIPLE LOCATIONS WHERE PROPOSED WATER MAINS MAY CROSS EXISTING UTILITIES. THE CONTRACTOR SHALL CONSIDER ALL COST ASSOCIATED WITH PREVENTIVE MEASURES TO ENSURE SAFE AND WORKABLE INSTALLATION WITHOUT ANY DAMAGE TO EXISTING UTILITIES. IF IN THE EVENT THAT UTILITIES ARE DAMAGED IN THE PROCESS OF CONSTRUCTION THE PROPOSED WATER MAINS, THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY REPAIRS AT NO EXTRA COST TO THE OWNER.
- CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES.
- THE CONTRACTOR IS REQUIRED TO CONTACT DIXIE PIPELINE REPRESENTATIVE 72 HOURS PRIOR TO ANY WORK BEING DONE ON THE DIXIE PIPELINE ROW. A REPRESENTATIVE MUST BE PRESENT BEFORE ANY WORK CAN BE DONE ON THE DIXIE PIPELINE ROW.  
DIXIE PIPELINE REPRESENTATIVE: DESTRY C. HARRISON  
PHONE: (334) 740-5238  
EMAIL: DECHARRISON@EPROD.COM
- ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
- COMBINATIONS OF SILT FENCING, WATTLES, AND OTHER EROSION CONTROL ITEMS SHALL BE USED AS PROJECT CONDITIONS WARRANT TO PREVENT SEDIMENT RUNOFF FROM REACHING CREEKS, STREAMS, AND OTHER SURFACE WATER ADJACENT TO AND WITHIN THE PROJECT AREA IN ACCORDANCE WITH 'BEST MANAGEMENT PRACTICES'. EROSION CONTROL DEVICES INDICATED ON THE PROJECT PLANS SHALL BE CONSIDERED A MINIMUM TO BE IMPLEMENTED.
- ALL TRENCHES SHALL BE BACKFILLED, SEEDED, AND MULCHED AT THE END OF EACH DAYS WORK. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY TEMPORARY DIVERSION OF RUNOFF WATER, AS REQUIRED TO FACILITATE CONSTRUCTION OR AS DIRECTED BY ALDOT OR THE ENGINEER. THIS TEMPORARY DIVERSION OF RUNOFF IS CONSIDERED INCIDENTAL TO THE BID.
- SAFETY PRECAUTIONS INSTITUTED ALONG RUSSELL COUNTY RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS OF THE COUNTY AT ALL TIMES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO PUBLIC ROADS CAUSED BY HIS ACTIVITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO MEET WITH COUNTY AND LOCAL OFFICIALS TO AGREE UPON AND RECORD THE CONDITIONS OF THE ROADS BEFORE CONSTRUCTION COMMENCES.
- SITE SECURITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THIS PROJECT IS BASED ON A UNIT PRICE CONTRACT. ALL WORK DESCRIBED, SHOWN, REFERENCED, OR OTHERWISE INDICATED IN OR ON THE DRAWINGS, PROPOSAL, ADVERTISEMENT AND SPECIFICATIONS ARE TO BE COMPLETED IN-PLACE AND SERVICEABLE ACCORDING TO THE PLANS, INSTRUCTIONS, SPECIFICATIONS, LINES AND GRADES INDICATED ON ALL APPLICABLE STATE, FEDERAL, AND MUNICIPAL CODES AND STANDARDS. INDIVIDUAL ITEMS OF WORK THAT ARE NECESSARY TO COMPLETE THE PROJECT TO THE LINES AND GRADES, WHETHER SHOWN OR DESCRIBED IN THE PLANS AND SPECIFICATIONS, ARE TO BE CONSIDERED INCIDENTAL AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO DEVELOP AN AS-BUILT SET OF DRAWINGS AS PROJECT CONSTRUCTION PROGRESSES. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES. THE MONTHLY PAY APPLICATIONS WILL NOT BE PROCESSED UNTIL THOSE ASBUILTS ARE SHOWN TO THE FIELD REPRESENTATIVE ALONG WITH THE GIS UPDATE AS OUTLINED IN THE PROJECT SPECIFICATIONS.
- THE BIDDER IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.
- ALL WORK SHALL MEET OR EXCEED ALDOT AND RUSSELL COUNTY HWY. DEPARTMENT SPECIFICATIONS.
- THE CONTRACTOR SHALL APPLY SEED AND MULCH PRIOR TO RAIN EVENTS IN DISTURBED AREAS IN ORDER TO MINIMIZE EROSION. DISTURBED AREAS THAT ARE INACTIVE FOR 14 DAYS OR MORE SHALL BE SEEDED AND MULCHED ACCORDING TO ALDOT SPECIFICATIONS.
- ALL DISTURBED AREAS WILL BE RESODDED OR SEEDED.
- WHERE ASPHALT PAVEMENT PATCH IS REQUIRED ON THE VARIOUS PLAN SHEETS, BACKFILL SHALL BE ALDOT 825B AGGREGATE BASE FOR THE DEPTH AS DETAILED ON SHEET C-903. THE WORK FOR THIS SHALL BE CONSIDERED AS A SUBSIDIARY OBLIGATION OF THE ASPHALT PAVEMENT PATCH BID ITEM.
- ALL MECHANICAL JOINT RETAINER GLANDS SHALL BE MEGALUG MANUFACTURED BY EBAA IRON, INC. THESE GLANDS SHALL BE INSTALLED ON ALL FITTINGS AND BETWEEN THE VALVE AND CAP ON DEAD END LINES.
- A "LINE LOCATE" WAS CALLED IN FOR THE EXISTING UTILITIES LOCATED ON RUSSELL COUNTY RIGHT-OF-WAY (ROW). THE UTILITIES THAT WERE MARKED ARE DEPICTED ON THE PLANS.
- ALL METERS ARE TO REMAIN IN THE EXISTING LOCATION AS CURRENTLY INDICATED ON THE PLANS WITH THE LONE EXCEPTION BEING THE ONES THAT ARE INDICATED TO BE RELOCATED. IN THE EVENT THAT ANY OF THE EXISTING METER ASSEMBLIES ARE DAMAGED IN THE WORK OF THIS PROJECT, ALL SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. (OWNER TO PROVIDE A LIST OF METER ADDRESSES AND NUMBERS)
- AS REQUIRED BY ALABAMA ACT 94-487: CALL TWO WORKING DAYS BEFORE EXCAVATION 1-800-292-8525, ALABAMA LINE LOCATION CENTER, INC.
- WARNING: DO NOT DISTURB SURVEY MARKERS LOCATED ON THE RIGHT-OF-WAY. ANY PROPERTY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY AN ALABAMA LICENSED PROFESSIONAL LAND SURVEYOR AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SOLID WASTE (I.E., WOOD, STUMPS, ETC.) TO BE DISPOSED OF AND MUST BE IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM).
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. IF PROJECT NECESSITATES A LANE CLOSURE, THE LANE CLOSURE MUST BE MADE PART OF THE PERMIT.
- ANY ORNAMENTAL VEGETATIVE LANDSCAPING (SHRUBS, FLOWERS, ORNAMENTAL GRASS, ETC.) DISTURBED DURING CONSTRUCTION SHALL BE REPLACED, TRANSPLANTED, OR RE-SODDED ACCORDING TO THE CONSTRUCTION DOCUMENTS OR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS HISTORICAL STRUCTURES, TREES, DRAINS, WATER OR GAS PIPES, POLES, WALLS, ETC. ARE NOT TO BE DISTURBED UNLESS NOTED AND APPROVED BY STATE HISTORICAL PRESERVATION OFFICE (SHPO), ALDOT, ADEM, EPA, ETC.
- CONTRACTOR IS TO CLEAN UP STREETS IMMEDIATELY AFTER CONCRETE OR OTHER DELIVERY TRUCKS LEAVE THE SITE. MUD AND DEBRIS ARE TO BE KEPT OFF LOCAL, STATE, AND COUNTY ROADS, INLETS, DITCHES, ETC.
- FUEL TANKS SHALL NOT BE STORED ON THE RIGHT-OF-WAY OVERNIGHT. VEHICLES TRANSPORTING FUEL, CHEMICALS, FERTILIZERS, ETC. ONTO THE RIGHT-OF-WAY SHALL NOT BE LEFT UNATTENDED.
- CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY PERCEIVED CONFLICTS, AMBIGUOUS ITEMS OR DEFICIENCIES IN THE PLANS, SPECIFICATIONS, GENERAL NOTES, OR RELATED CONTRACT DOCUMENTS.
- ABSOLUTELY NO BORE PITS SHALL BE ALLOWED TO BE UNFILLED AND/OR UNCOVERED OVERNIGHT, UNLESS PROTECTED (BORE PITS HAVE A MAXIMUM OF 72 HOURS TO BE OPEN BEFORE FILLED).
- A BEST MANAGEMENT PLAN SHALL AT MINIMUM RETURN ALL EXPOSED AREAS TO ORIGINAL OR BETTER CONDITION WITH A GOOD STAND OF GRASS AND/OR SOD. SILT FENCE, WATTLES, AND ANY OTHER EROSION CONTROL ITEMS NEEDED SHALL BE USED TO PREVENT EROSION.
- THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PROJECT IS APPROXIMATELY 4.5 ACRES.
- ALL FILL MATERIAL OR ONSITE DEBRIS DEPOSITED IN THE RIGHT-OF-WAY SHALL BE REMOVED PRIOR TO ISSUANCE OF FINAL ACCEPTANCE.
- THE EXCAVATED MATERIAL REMOVE IN THE CONSTRUCTION SHALL BE REMOVED AS AN OBLIGATION OF THE NEW WATER MAINS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THE PROJECT, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- WATER LINES WILL CONFORM WITH THE CURRENTLY APPLICABLE STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA).
- ALL EQUIPMENT LEFT OVERNIGHT SHALL BE NO CLOSER THAN 30 FT FROM EDGE OF PAVEMENT.
- PRESSURE PIPE LINES WILL CONFORM WITH THE CURRENTLY APPLICABLE SECTIONS OF AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- ALL MANHOLES, VALVE BOXES, FLAT GRATES, AND HAND HOLES SHOULD BE INSTALLED FLUSH WITH THE EXISTING GROUND, UNLESS OTHERWISE STATED, AND RATED HS-20 (20K LOAD RATING).
- NO VEHICLES WILL BE PARKED ON THE SHOULDER OF THE ROAD FACING ON-COMING TRAFFIC AT ANYTIME.
- IN THE EVENT THAT THE EXISTING TYPE A CURB, COMBINATION CURB & GUTTER, AND OR RETAINING WALLS/CURB IN VARIOUS AREAS ALONG THE PROJECT ROUTE ARE DAMAGED, THE CONTRACTOR SHALL MAKE THESE REPAIRS AS A SUBSIDIARY OBLIGATION OF THE VARIOUS BID ITEMS. THIS INCLUDES REMOVING DAMAGED PORTIONS, REPLACING THESE PORTIONS, DISPOSAL OF DEBRIS, ESTABLISHING SUITABLE BASE, ETC.
- CURRENTLY THERE IS A NPDES STORMWATER PERMIT FOR THE PROJECT IN THE NAME OF RUSSELL COUNTY WATER AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH TRANSFERRING THIS PERMIT INTO ITS NAME AND ANY/ALL OTHER COST ASSOCIATED WITH THE NPDES PERMIT, WHICH INCLUDED, BUT IS NOT LIMITED TO THE TRANSFER FEE, INSPECTION FEES, NOTICE OF TERMINATION, RESPONDING TO VIOLATIONS, ANY FINES, ETC. ANY COST ASSOCIATED WITH RESPONDING TO VIOLATIONS OR FINES SHALL NOT BE PAID OUT OF THE STORMWATER PERMIT ALLOWANCE. THESE ITEMS SHALL BE PAID BY THE CONTRACTOR AT ITS EXPENSE. THE CONTRACTOR SHALL NOT SUBMIT A PAY APPLICATION FOR THE PROJECT PRIOR TO HAVING THE NPDES PERMIT TRANSFERRED INTO ITS NAME.
- ALL HYDRANTS, THAT ARE CONNECTED TO EXISTING WATER MAINS SHALL BE REMOVED AND RETURNED TO THE OWNER. ALL GATE VALVES THAT ARE ON THE LINES ABANDONED IN PLACE SHALL HAVE THE RING AND COVER REMOVED FLUSH WITH EXISTING GROUND OR PAVEMENT. IF VALVES ARE LOCATED IN PAVEMENT, THE HOLE SHALL BE BACKFILLED WITH ALDOT 424A-341 BIT. WEARING SURFACE AND A PAVEMENT PATCH PLACED ON TOP.

**EXISTING UTILITY LEGEND**

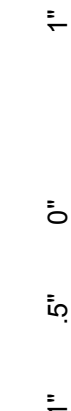
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EXISTING IRON PIN	
EXISTING LIGHT POLE	
EXISTING POWER POLE	
EXISTING SANITARY CLEANOUT	
EXISTING SEWER MANHOLE	
EXISTING SIGN	
EXISTING TELEPHONE PEDESTAL	
EXISTING WATER METER	
EXISTING WATER VALVE	
EXISTING CULVERT	
EXISTING EASEMENT	
EXISTING ELECTRICAL: OVERHEAD	
EXISTING ELECTRICAL: UNDERGROUND	
EXISTING FENCE: CHAIN LINK	
EXISTING FENCE: WOOD	
EXISTING GAS MAIN	
EXISTING GUARDRAIL	
EXISTING R.O.W.	
EXISTING SEWER FORCE MAIN	
EXISTING SEWER GRAVITY MAIN	
EXISTING WATER MAIN	
EXISTING CONCRETE PAVEMENT/SIDEWALK	
EXISTING DIRT	
EXISTING GRAVEL	

**REQUIRED UTILITY LEGEND**

REQUIRED BENDS/FITTINGS	
REQUIRED STEEL CASING	
REQUIRED MJ CAP / PLUG	
REQUIRED WATER MAIN/SERVICE TUBING	
REQUIRED GATE VALVE	
REQUIRED COMBO ARV ASSEMBLY	
REQUIRED FIRE HYDRANT	
REQUIRED REDUCER	
REQUIRED GANG METER BOX	
REQUIRED SILT FENCE	
REQUIRED INLET PROTECTION	
REQUIRED EROSION EEL	
REQUIRED ARV	
REQUIRED TS&V	

**GMC**

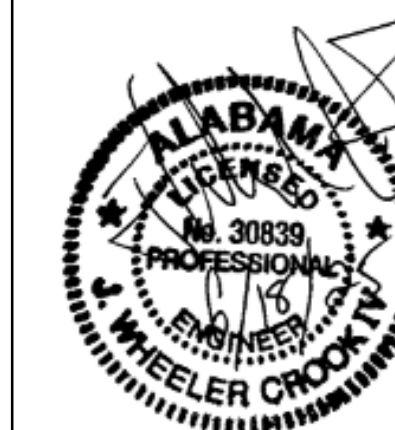
2660 East Chase Lane, Suite 200  
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ISSUE	DATE
FINAL	05.30.2025
ADDENDUM NO. 1	06.26.2025
DRAWN BY:	JSB
DESIGNED BY:	JSB
CHECKED BY:	JDL

WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
GMC# CMGM23-0045(4)

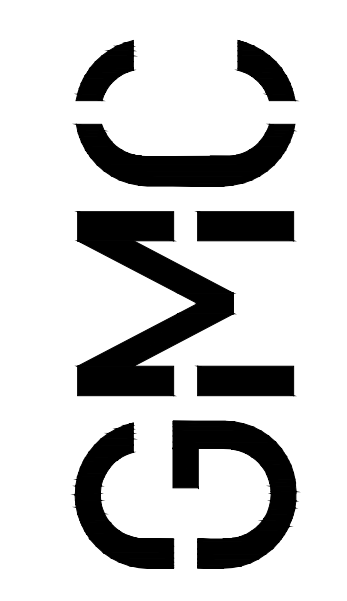
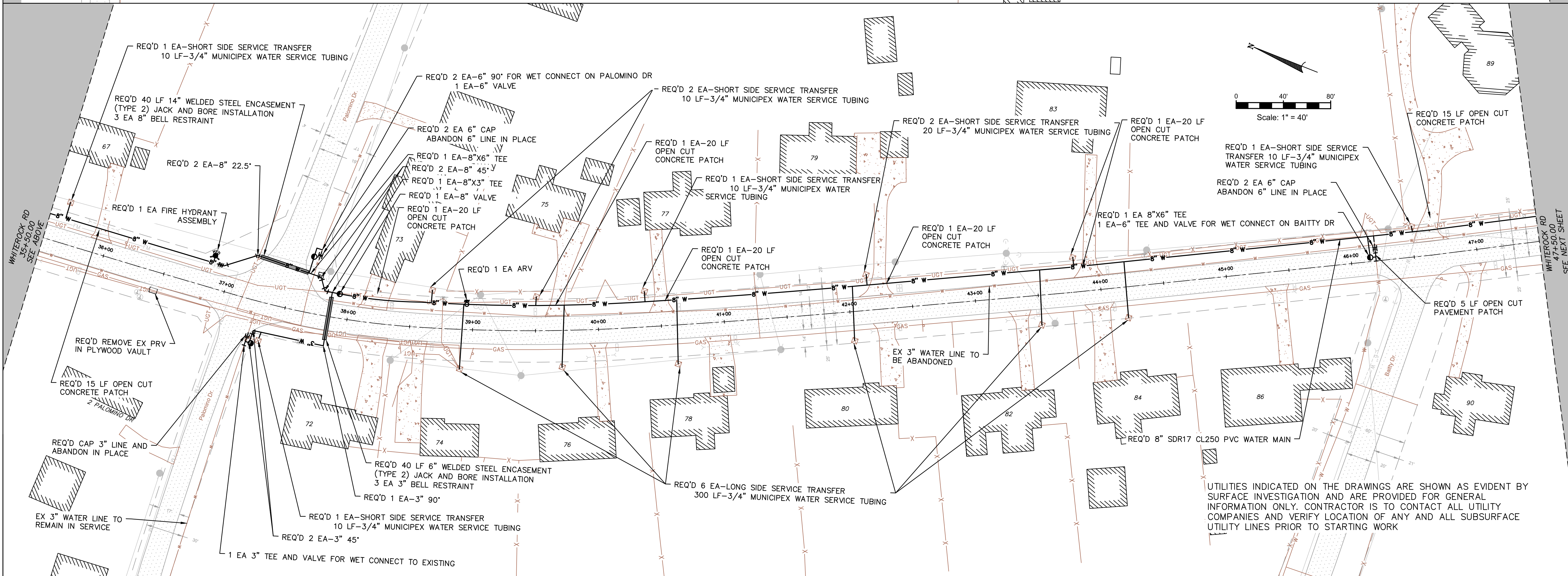
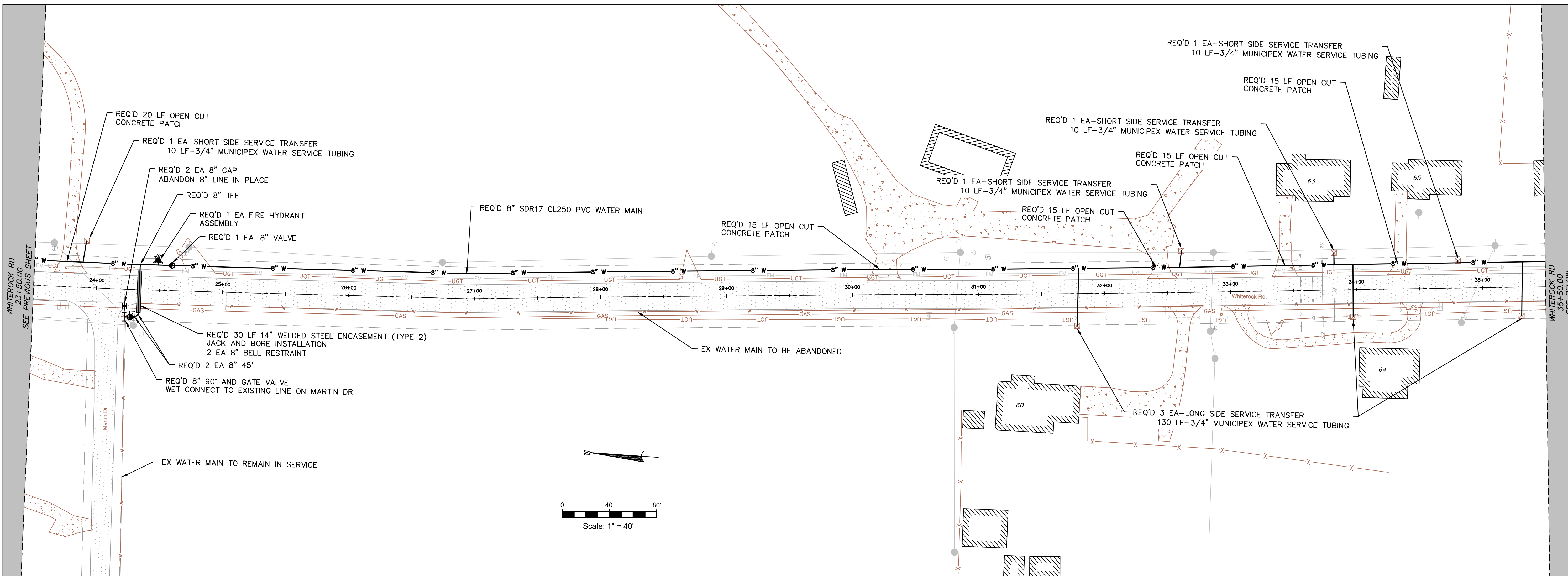


PROJECT NOTES &  
SYMBOL LEGENDS

**G-002**







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WHITEROCK & HUGULEY RD  
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 RUSSELL COUNTY WATER AUTHORITY  
 RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
 GMC# CMGM23-0045(4)

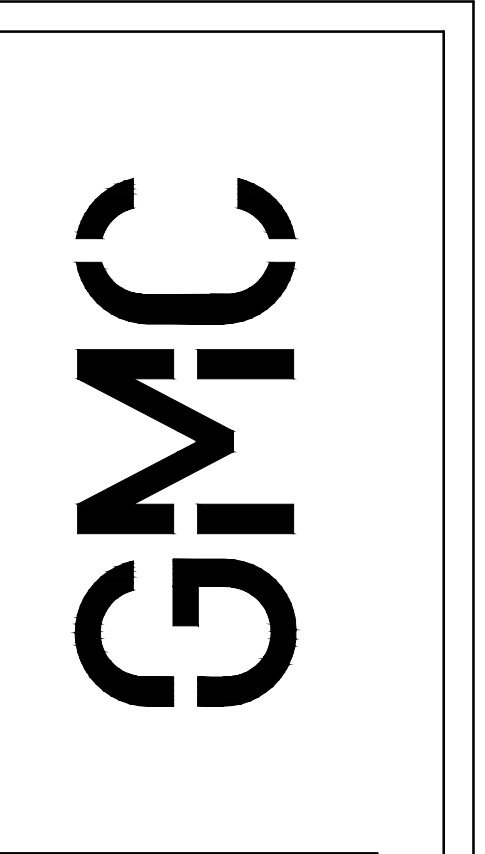
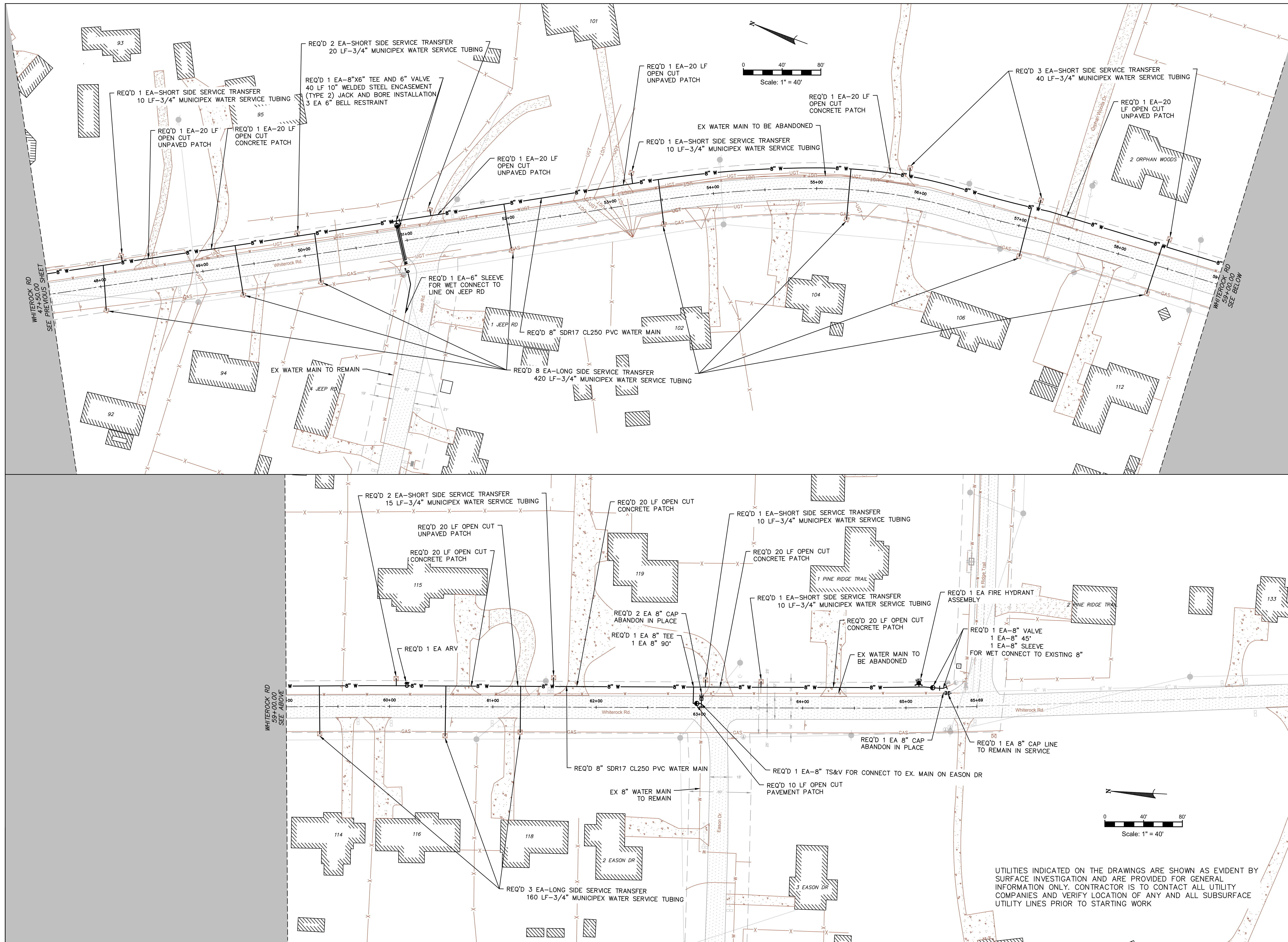


WATER MAIN PLAN  
 WHITEROCK ROAD

C-302

UTILITIES INDICATED ON THE DRAWINGS ARE SHOWN AS EVIDENT BY SURFACE INVESTIGATION AND ARE PROVIDED FOR GENERAL INFORMATION ONLY. CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES AND VERIFY LOCATION OF ANY AND ALL SUBSURFACE UTILITY LINES PRIOR TO STARTING WORK

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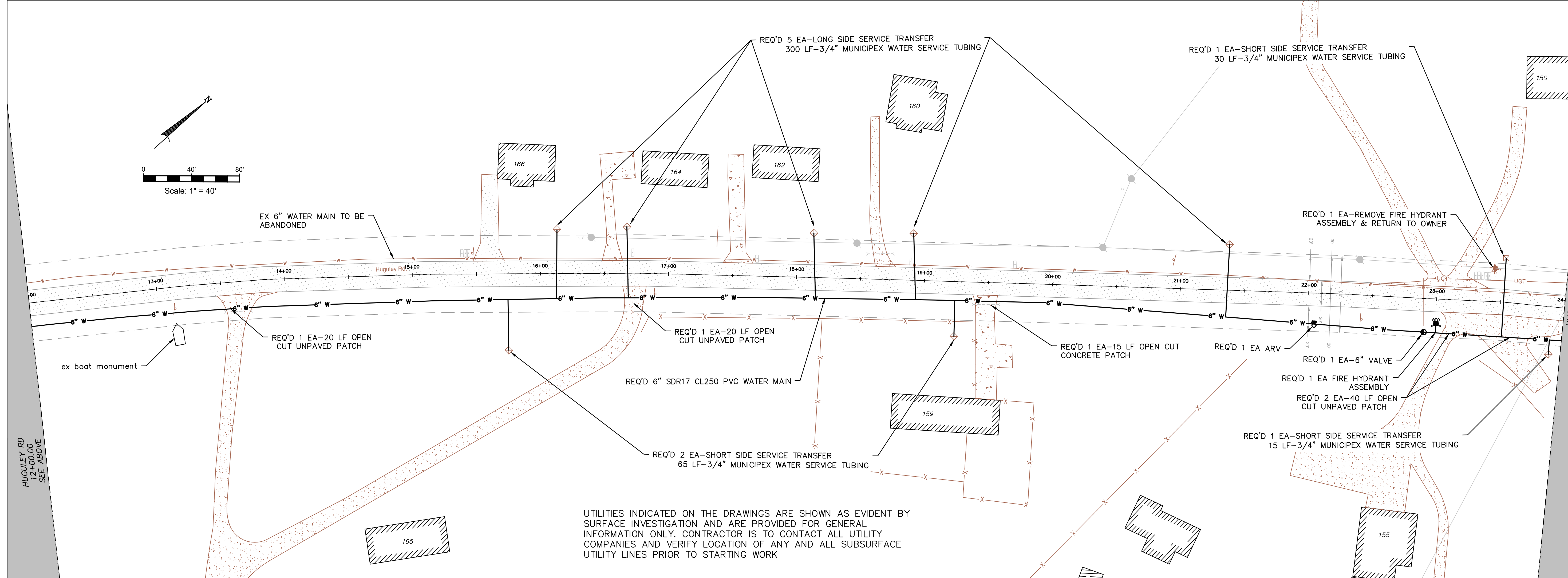
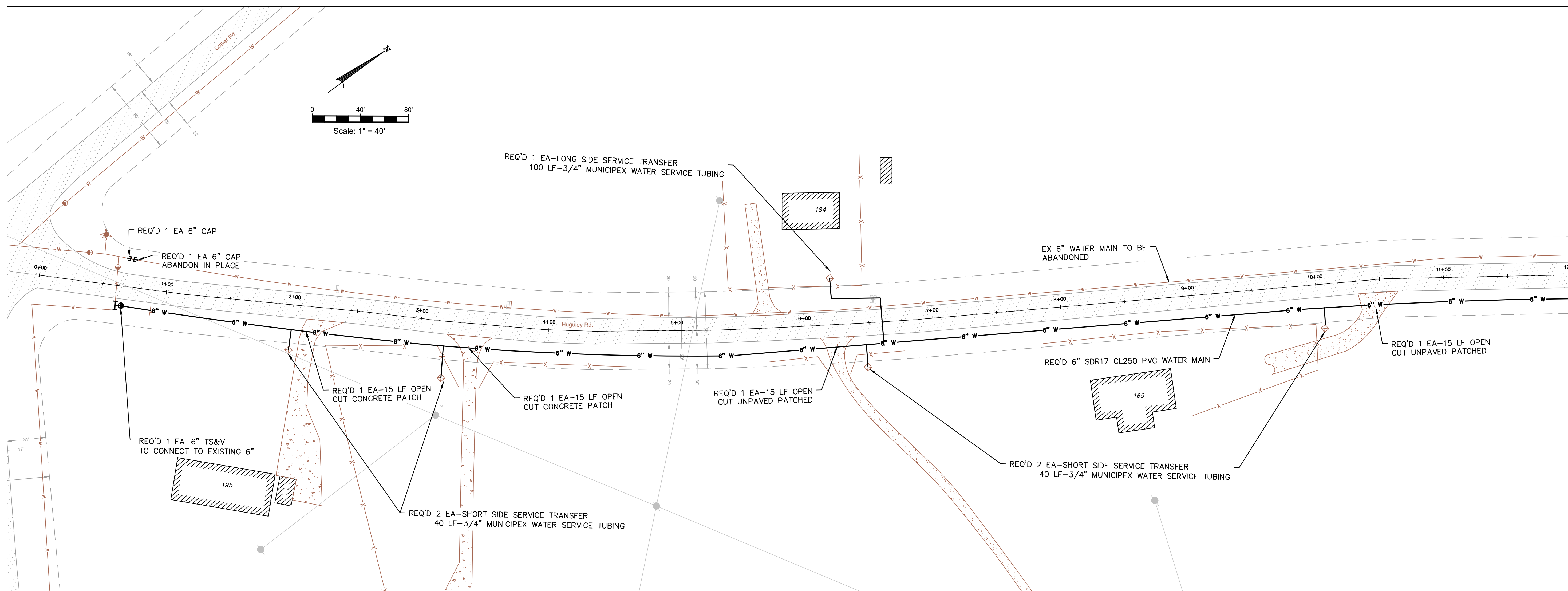
ISSUE	DATE
FINAL	05.30.2025
APPENDUM NO. 1	06.26.2025

WHITEROCK & HUGULEY RD  
 WATER IMPROVEMENTS  
 RUSSELL COUNTY WATER AUTHORITY  
 RUSSELL COUNTY, ALABAMA

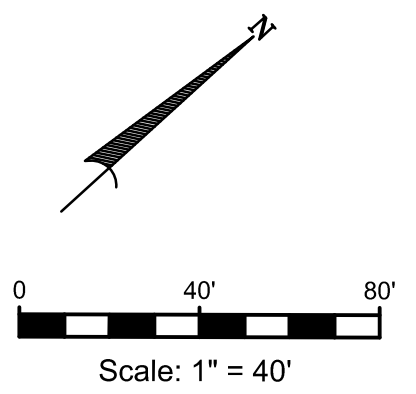
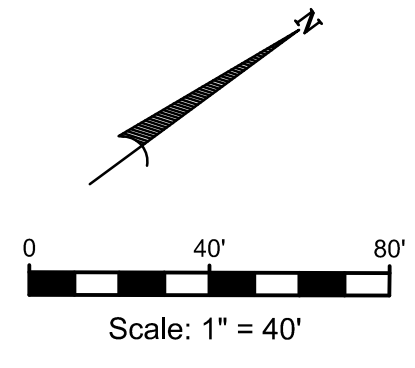
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 GMC# CMGM23-0045(4)



WATER MAIN PLAN  
 WHITEROCK ROAD  
 C-303

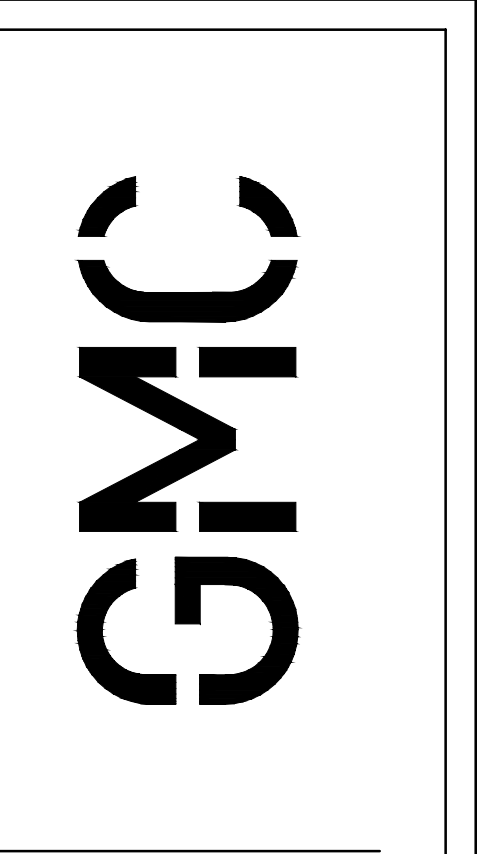


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HUGULEY RD  
2+00 TO 12+00  
SEE BELOW

HUGULEY RD  
24+00.00  
SEE NEXT SHEET



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DESIGNED BY: JSB  
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WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

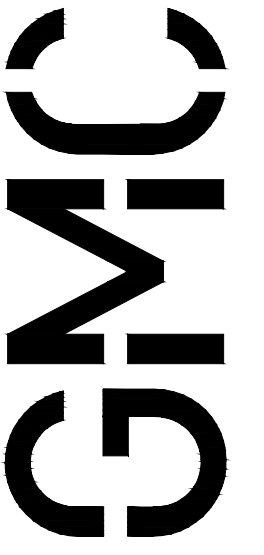
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GMC# CMGM23-0045(4)



WATER MAIN PLAN  
HUGULEY ROAD  
C-304

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PLOTED: Jun 27, 2025 - 10:48am





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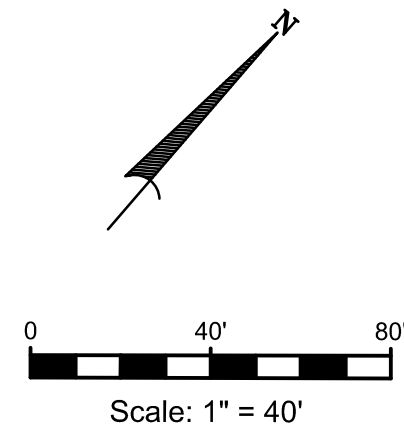
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RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
GMC# CMGM23-0045(4)



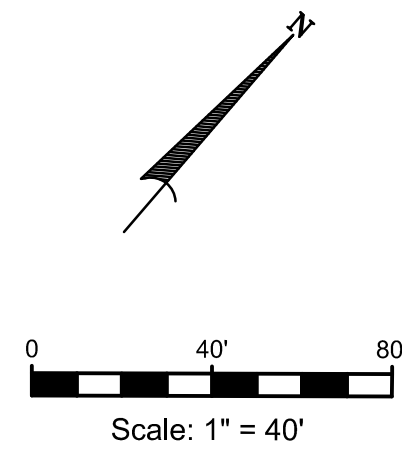
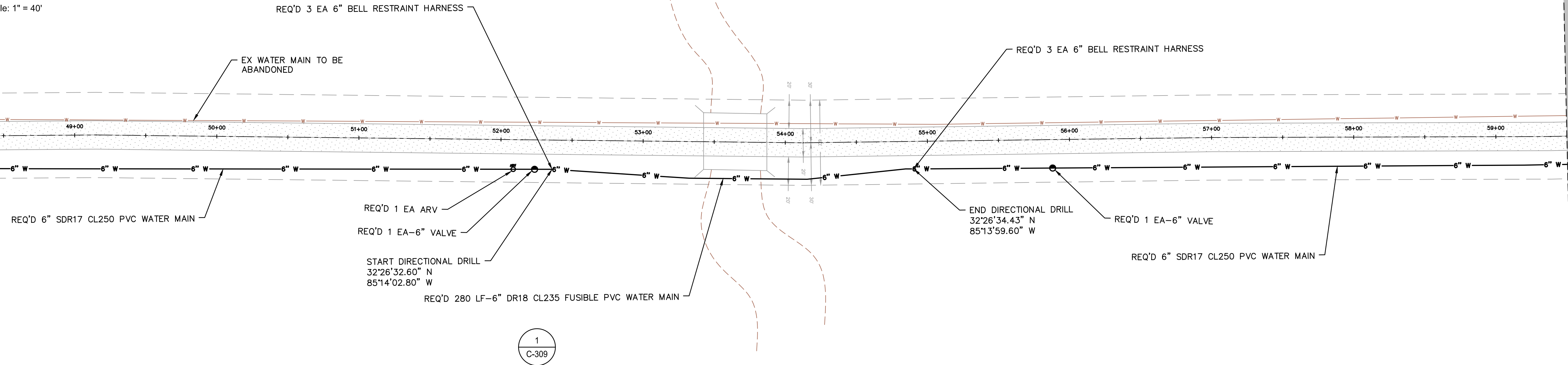
WATER MAIN PLAN  
HUGULEY ROAD

C-306



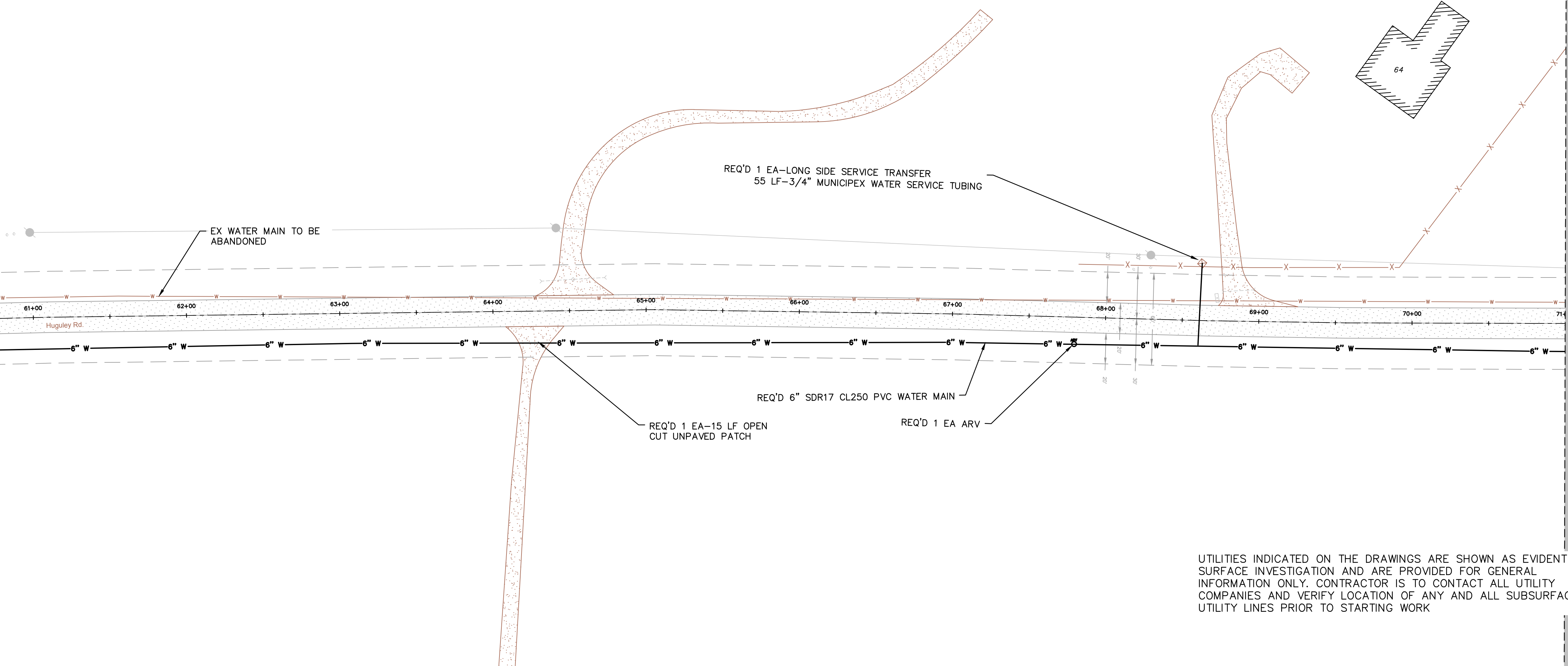
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SEE PREVIOUS SHEET

HUGULEY RD  
59+50.00  
SEE BELOW

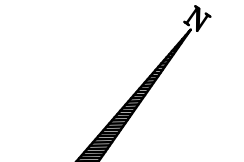
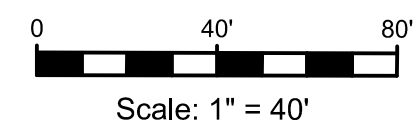
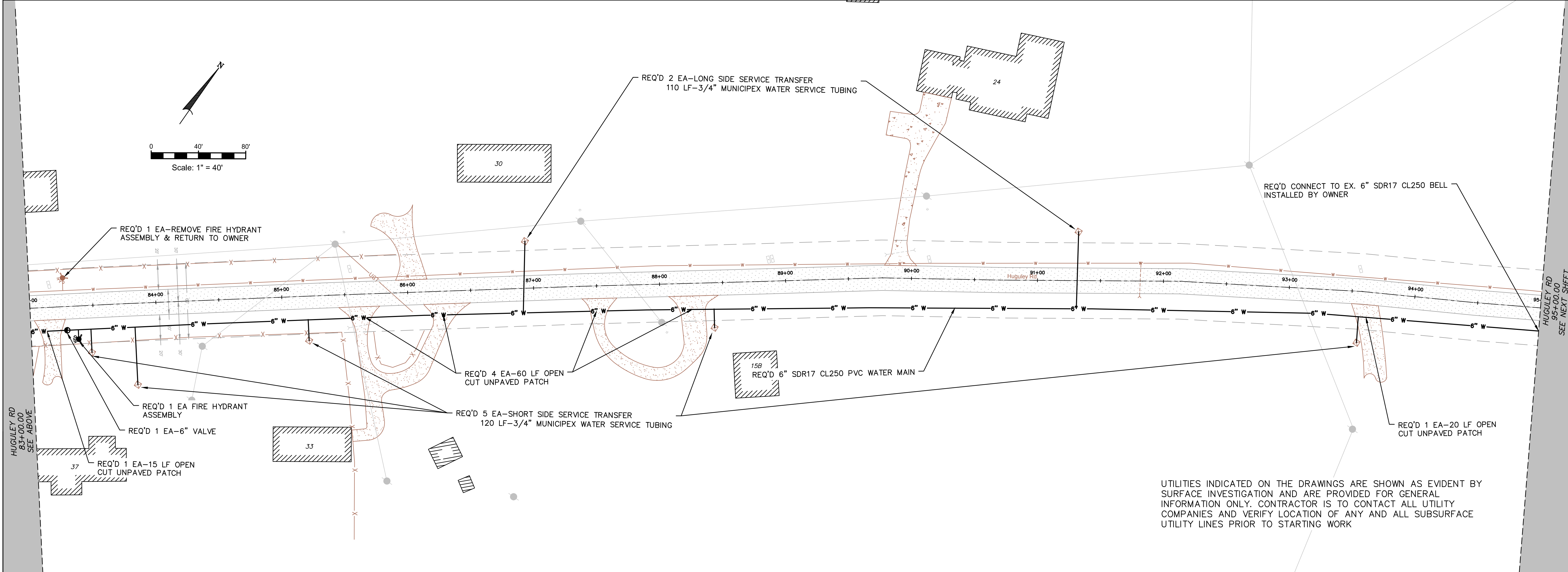
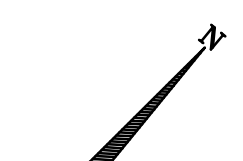
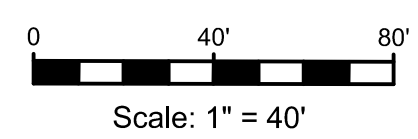
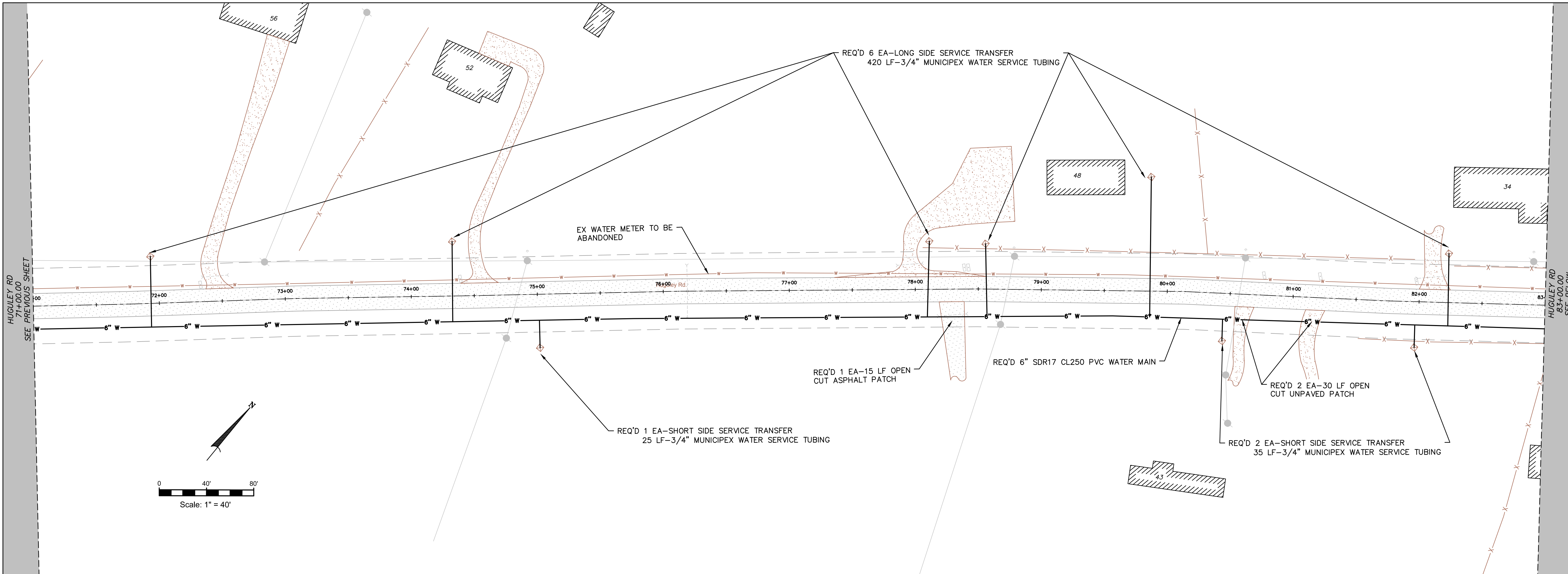


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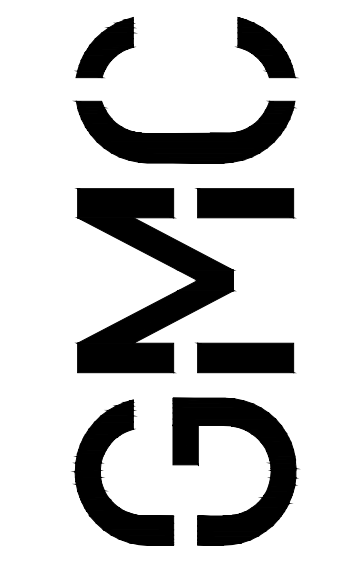
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SEE NEXT SHEET



UTILITIES INDICATED ON THE DRAWINGS ARE SHOWN AS EVIDENT BY SURFACE INVESTIGATION AND ARE PROVIDED FOR GENERAL INFORMATION ONLY. CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES AND VERIFY LOCATION OF ANY AND ALL SUBSURFACE UTILITY LINES PRIOR TO STARTING WORK



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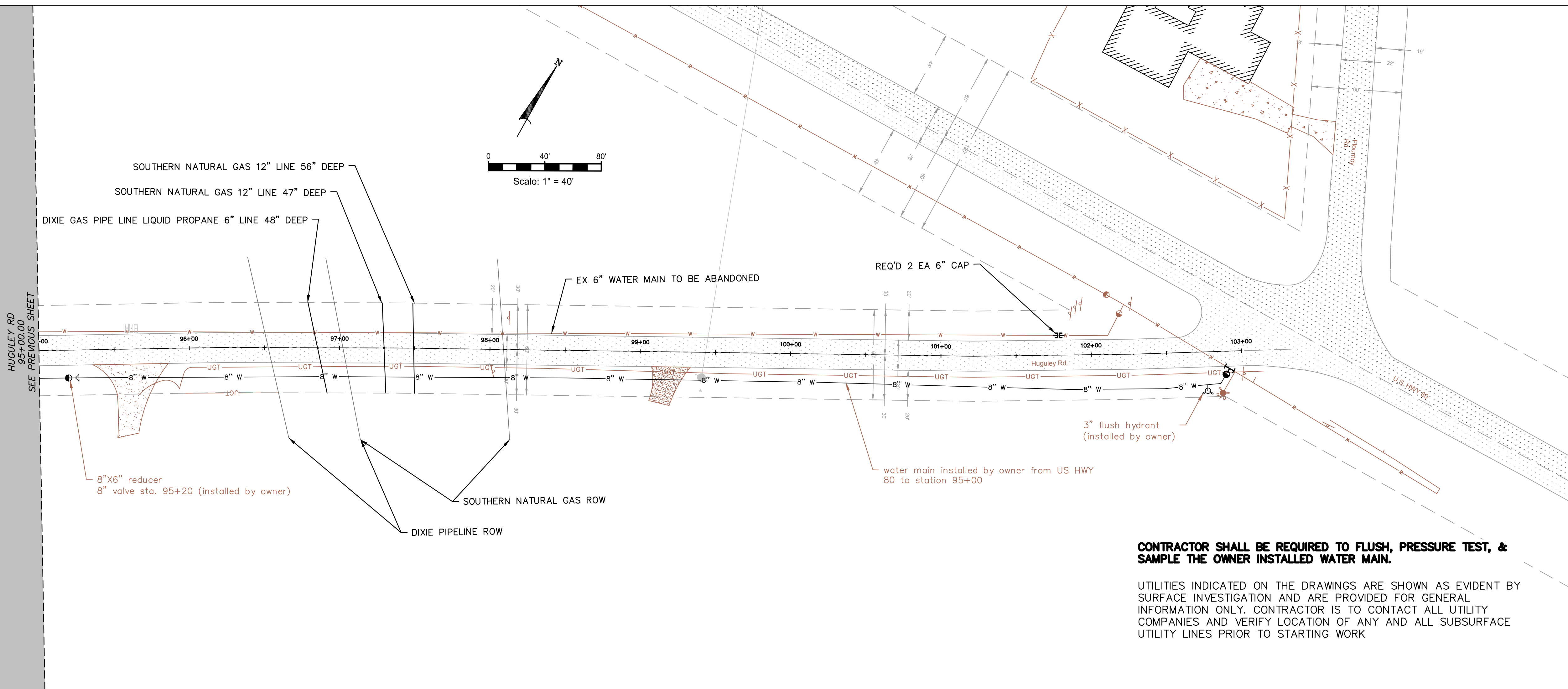
ISSUE	DATE
FINAL	05.30.2025
APPENDIX NO. 1	06.26.2025
DRAWN BY:	JSB
DESIGNED BY:	JSB
CHECKED BY:	JDL

WHITEROCK & HUGULEY RD  
 WATER IMPROVEMENTS  
 RUSSELL COUNTY WATER AUTHORITY  
 RUSSELL COUNTY, ALABAMA  
 DWSRF# FS010042-03  
 GMC# CMGM23-0045(4)



WATER MAIN PLAN  
 HUGULEY ROAD  
 C-307

DRAWING FILE: \\Projects\AL\Russell County Water Authority\23-00454\DWSP\Whiterock, Sneedford & Huguley Rd. Water Main Imp\0\DWG\PLANS\01\BASE\4\_C301\_PPROPOSED.dwg  
 PLOTTED: Sun 06/26/2025 8:24am



**CONTRACTOR SHALL BE REQUIRED TO FLUSH, PRESSURE TEST, & SAMPLE THE OWNER INSTALLED WATER MAIN.**

UTILITIES INDICATED ON THE DRAWINGS ARE SHOWN AS EVIDENT BY SURFACE INVESTIGATION AND ARE PROVIDED FOR GENERAL INFORMATION ONLY. CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES AND VERIFY LOCATION OF ANY AND ALL SUBSURFACE UTILITY LINES PRIOR TO STARTING WORK

WHITEROCK & HUGULEY RD  
 WATER IMPROVEMENTS  
 RUSSELL COUNTY WATER AUTHORITY  
 RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
 GMC# CMGM23-0045(4)



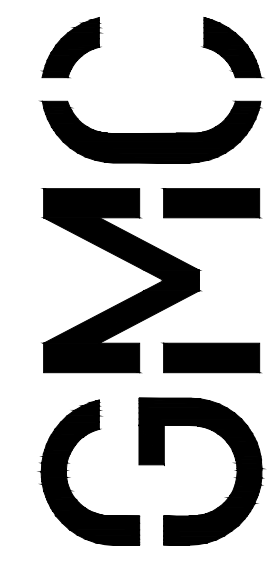
WATER MAIN PLAN  
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 C-308

ISSUE DATE

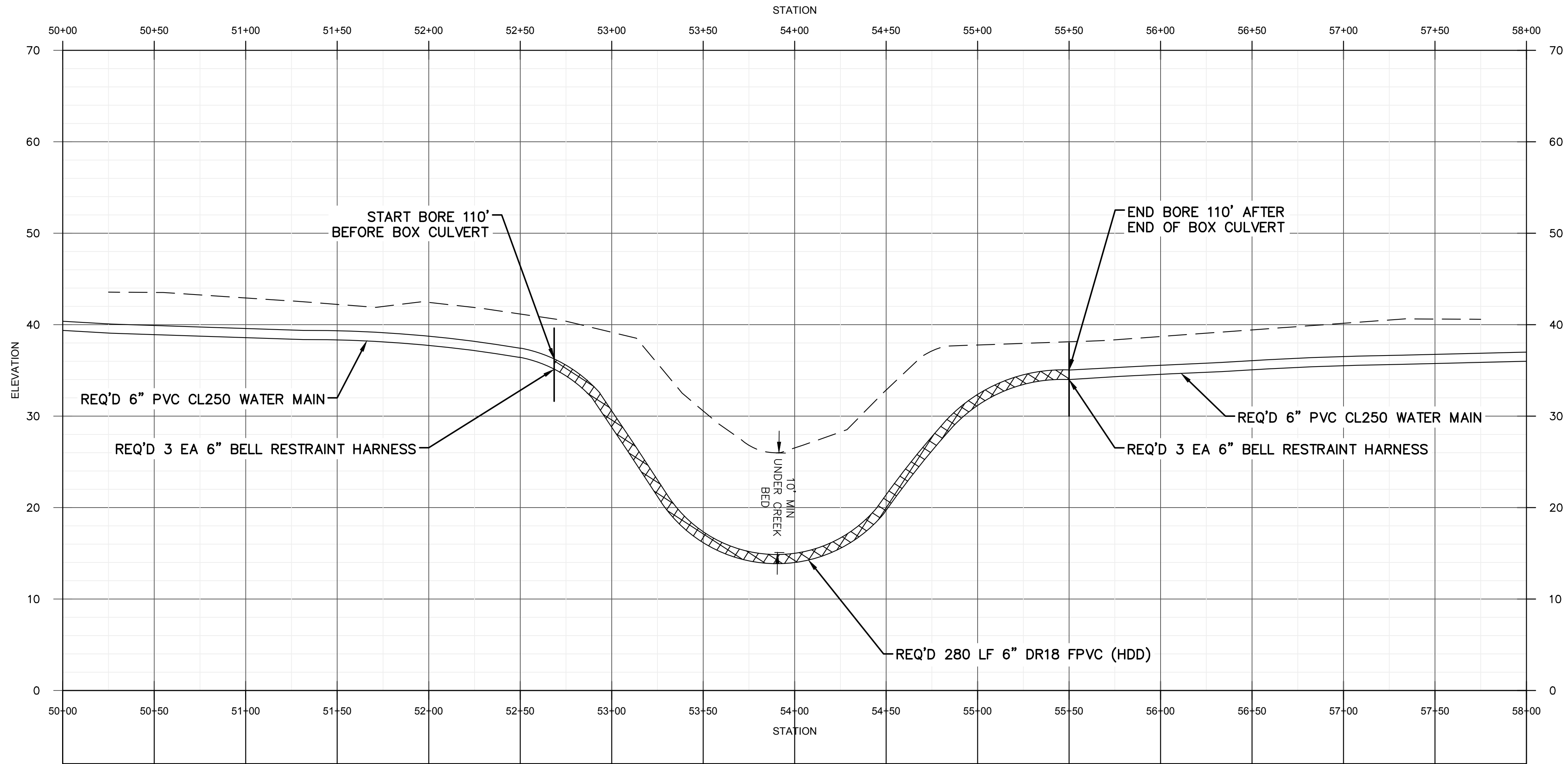
FINAL 05.30.2025  
 APPENDIX NO. 1 06.26.2025

DRAWN BY: JSB  
 DESIGNED BY: JSB  
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 PLOT FILE: \\sr\23-00454



HUGULEY RD  
 (STA 52+70—STA 55+50)

1  
 C-306

WATER MAIN PLAN  
 STANDARD BORE  
 PROFILE

C-309



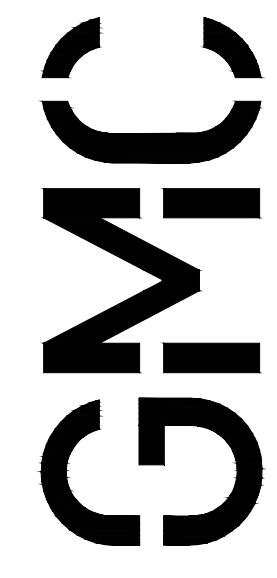
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 WATER IMPROVEMENTS  
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 RUSSELL COUNTY, ALABAMA

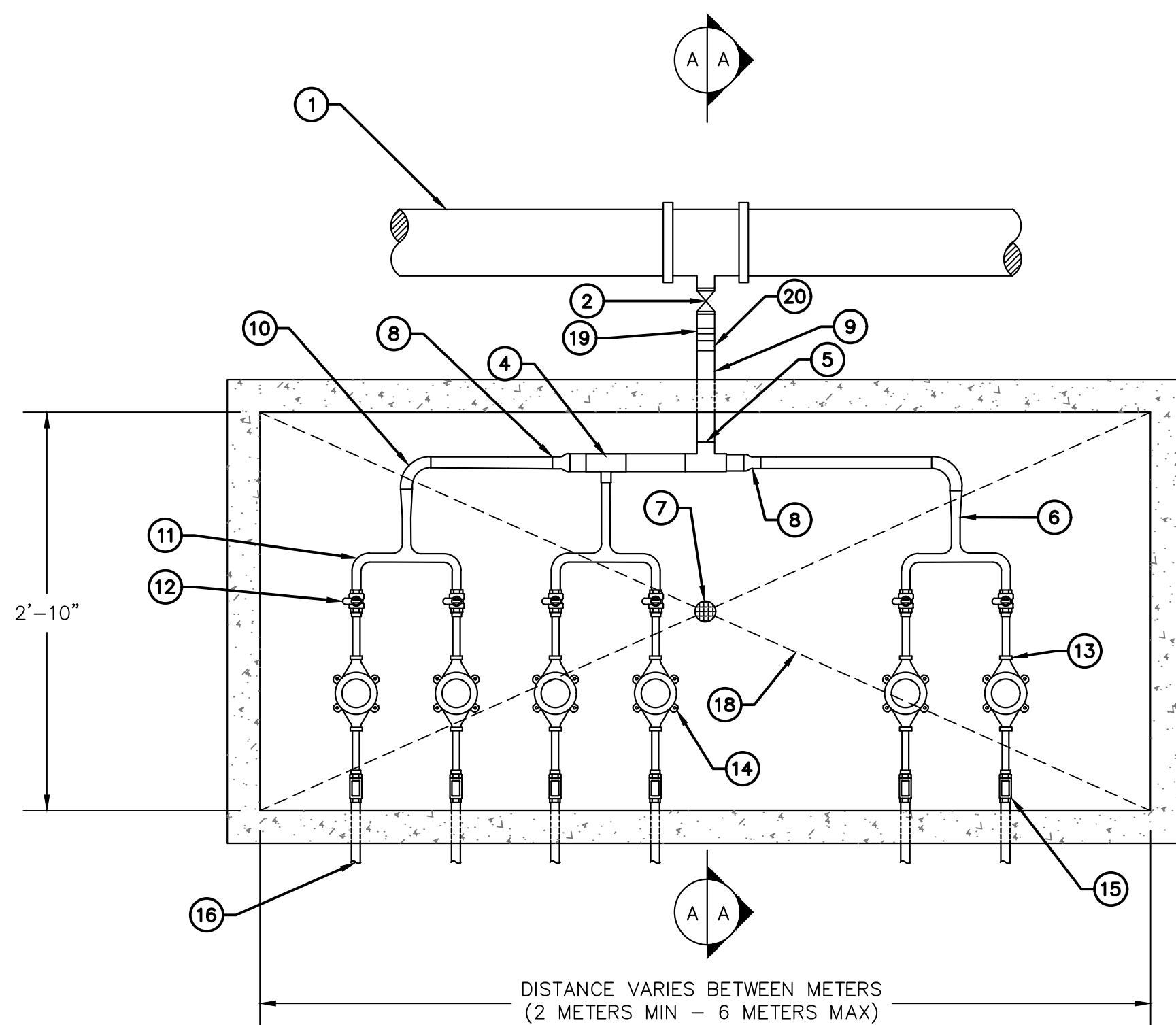
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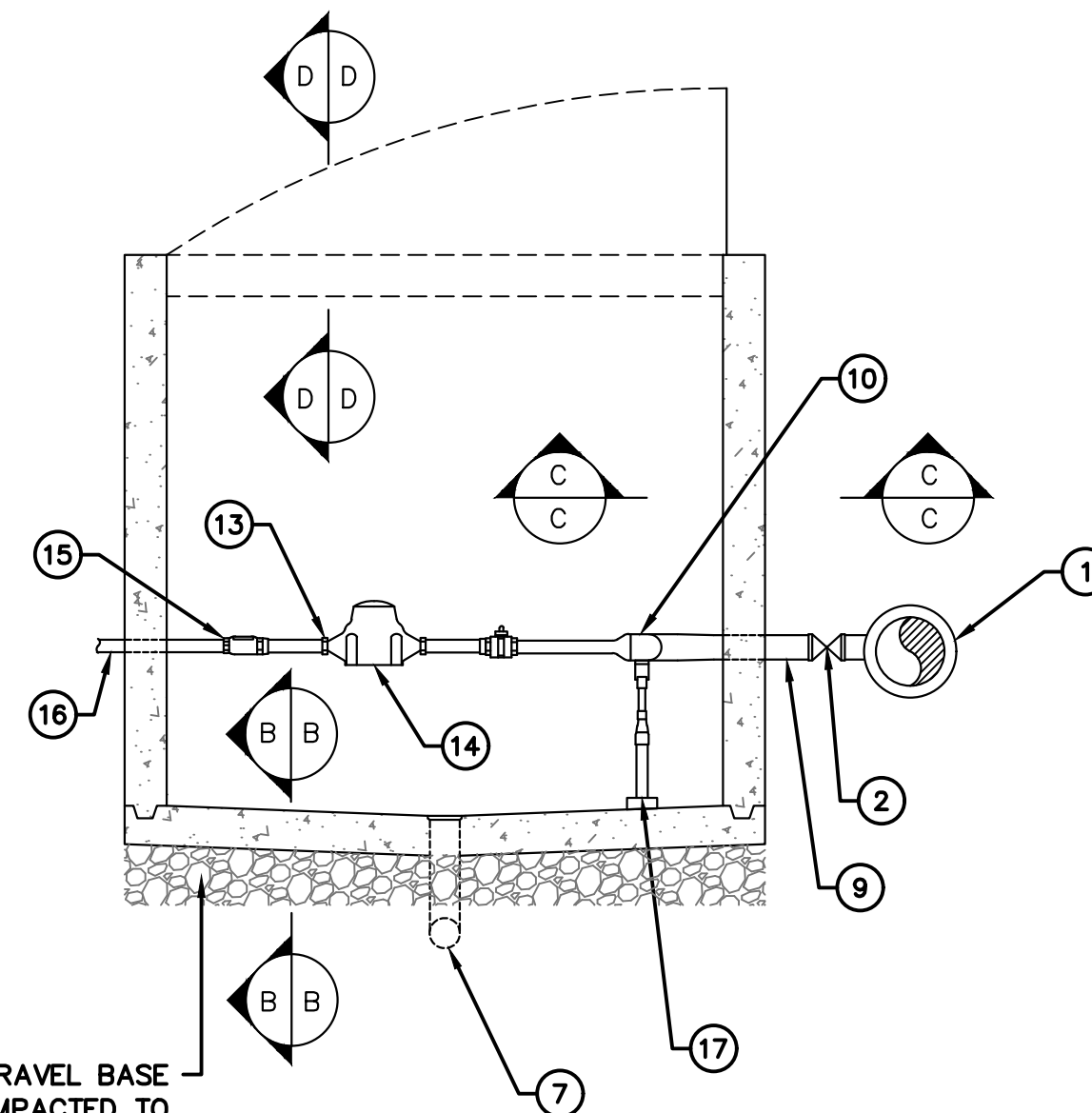
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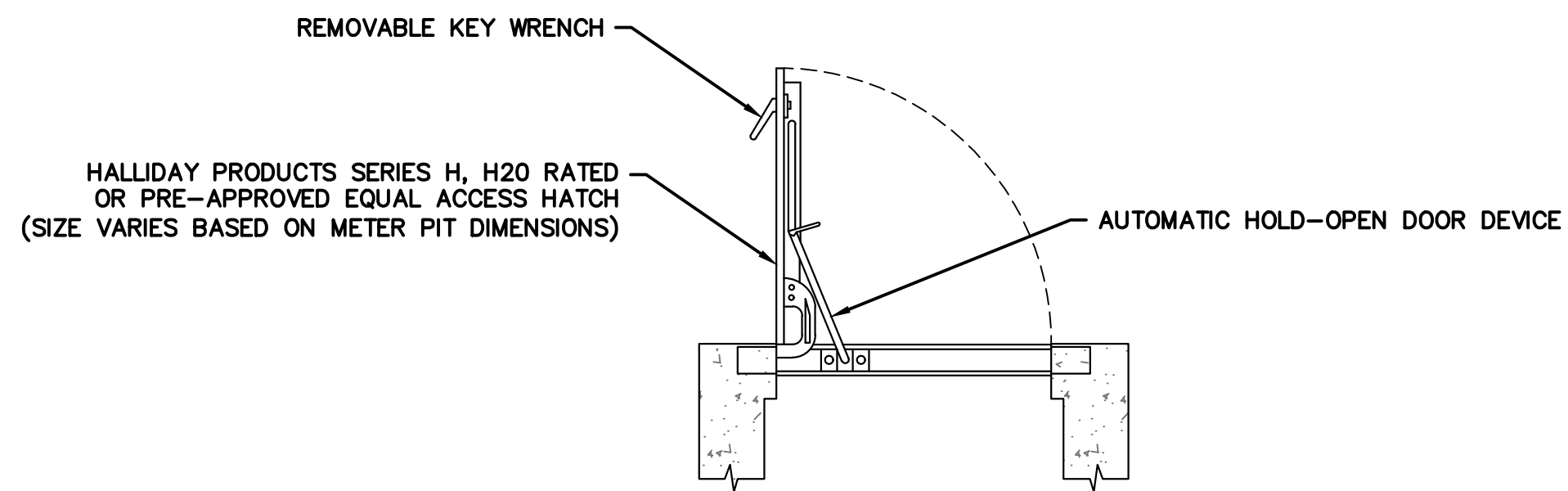
**PLAN VIEW**

REQ'D CONCRETE UTILITY METER PIT VAULT  
(SIZE TO BE FIELD DETERMINED)



**SECTION A-A**

6" CRUSHED GRAVEL BASE  
(ALDOT #57 COMPACTED TO  
100% MODIFIED PROCTOR)



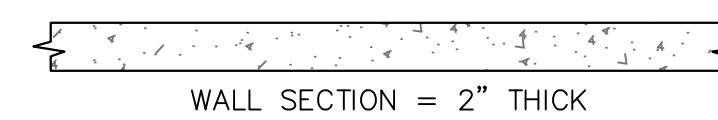
**ALUMINUM ACCESS DOOR**

**SECTION B-B**



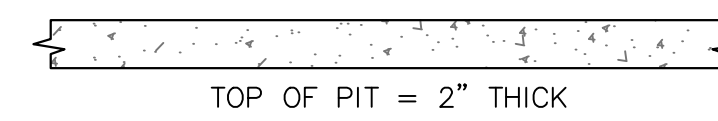
PIT FLOOR = 3" THICK

**SECTION C-C**



WALL SECTION = 2" THICK

**SECTION D-D**



TOP OF PIT = 2" THICK

NOTES	
1	FLOOR DRAIN MUST BE TIED INTO POSITIVE DRAINAGE
2	CUSTOMER CUT OFF SHALL BE INSTALLED OUTSIDE OF PIT
3	METER PIT SHALL BE H2O RATED.
4	METER MODEL ACCORDING TO THE OWNER
5	PIPE SUPPORTS SHALL BE PLACED UNDER EACH SIDE OF COPPER PIPE
6	ALL SOLDER SHALL BE SILVALOY

CALL OUT LEGEND			
①	PROPOSED WATER MAIN PIPE (SIZE INDICATED PER PLANS)	⑬	3/4" METER COUPLING
②	2" GATE VALVE	⑭	3/4" WATER METER (SEE NOTE 4)
③	2" BALL VALVE	⑮	3/4" BACKFLOW PREVENTER
④	2"x2"x1" COPPER TEE	⑯	3/4" TUBING CONTINUED TO RESIDENCE w/ CUSTOMER CUTOFF
⑤	2" COPPER TEE	⑰	PIPE SUPPORT TYP. (SEE NOTE 5)
⑥	1" COPPER PIPE	⑱	FLOOR SLOPE 1/4" PER FOOT
⑦	3" SCH40 PVC DRAIN w/ POSITIVE DRAINAGE AWAY FROM VAULT	⑲	2" FEMALE ADAPTER
⑧	2"x1" COPPER REDUCER	⑳	2" BRASS NIPPLE
⑨	2" COPPER PIPE		
⑩	1" COPPER 90° BEND		
⑪	1"x(2) 3/4" MIP. BRANCH CONNECTOR		
⑫	3/4" CURB STOP		

**GANG METER BOX DETAIL**  
NOT TO SCALE

WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA



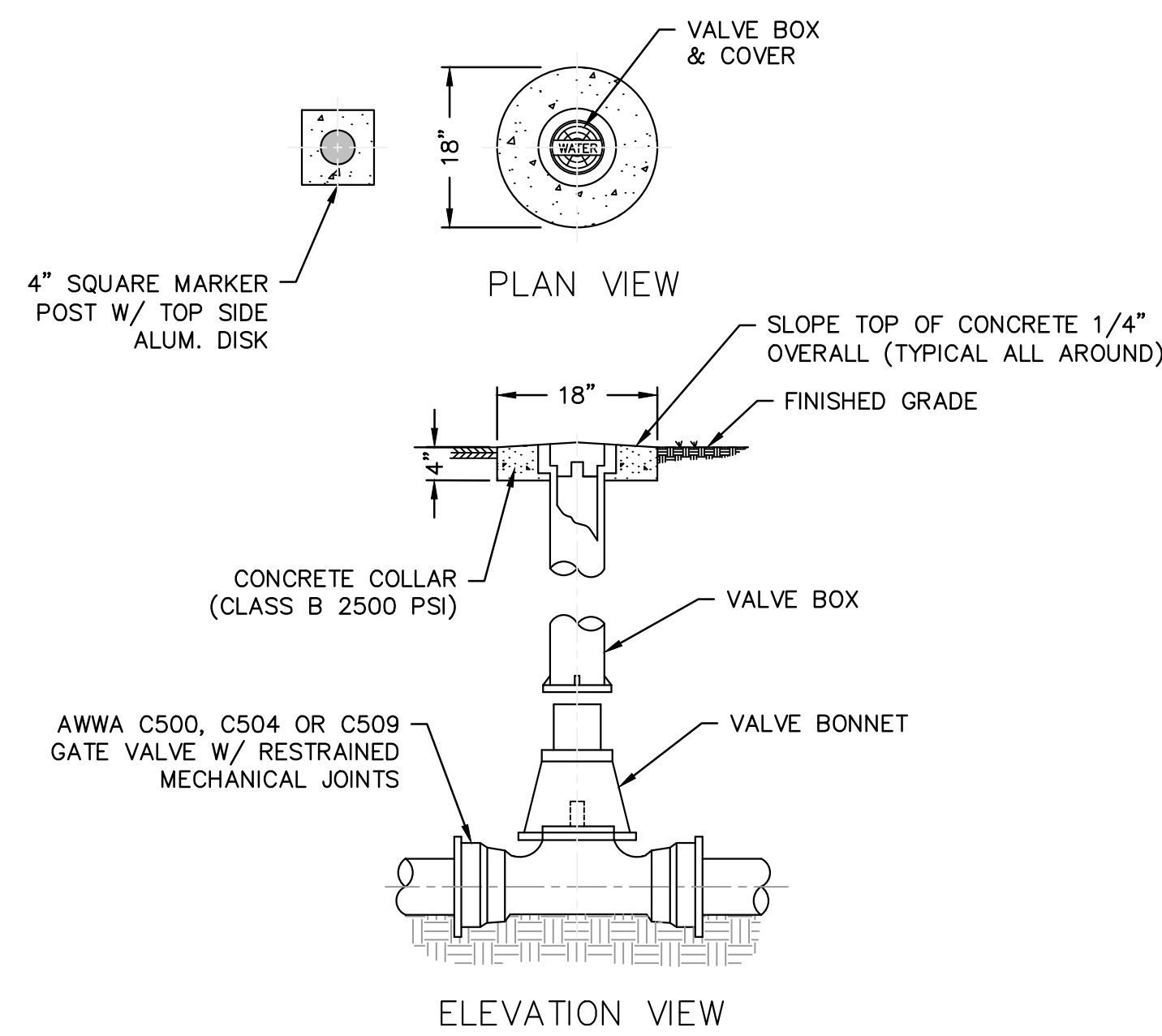
**GANG METER BOX  
DETAIL**

**C-901**

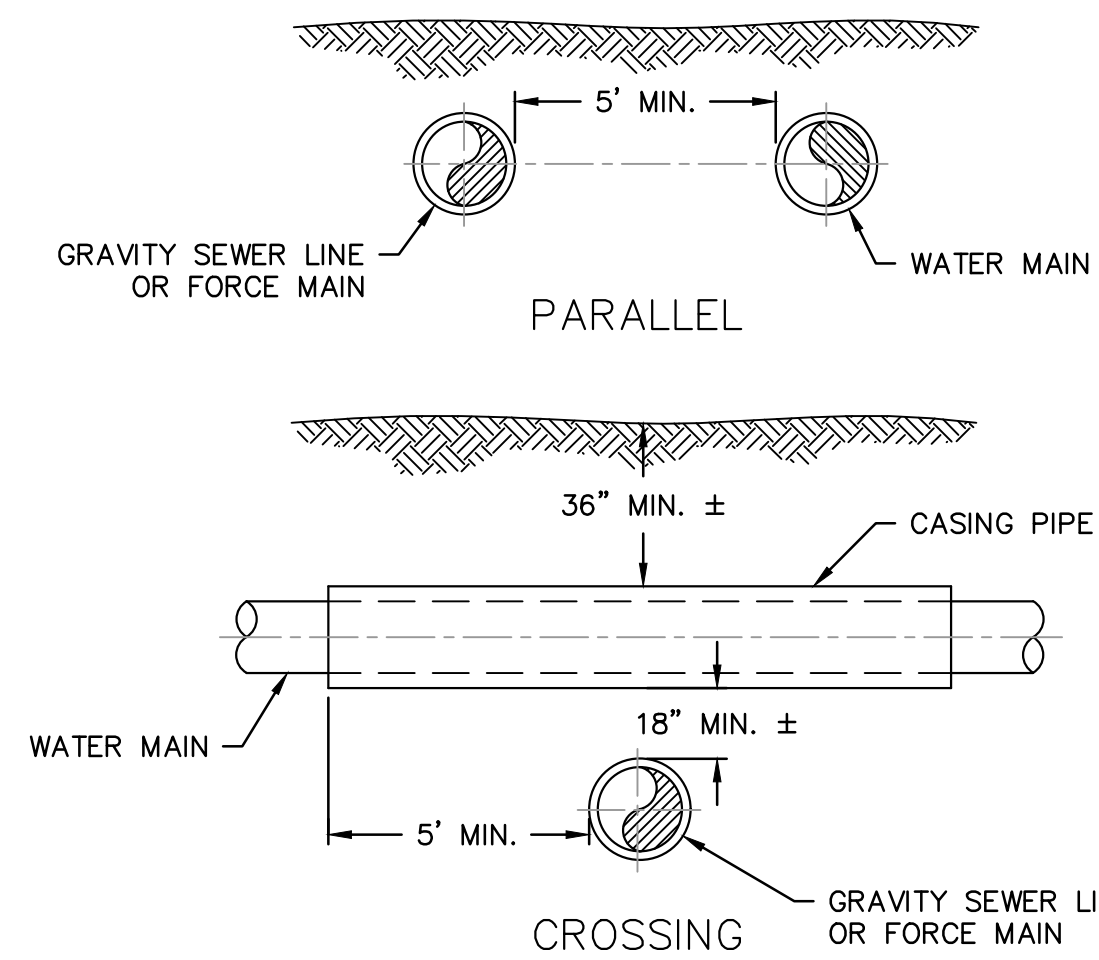
ISSUE	DATE
FINAL	05.30.2025
ADDENDUM NO.1	06.26.2025
DESIGNED BY:	JSB
DRAWN BY:	JSB
CHECKED BY:	JDL

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Montgomery, AL 36117  
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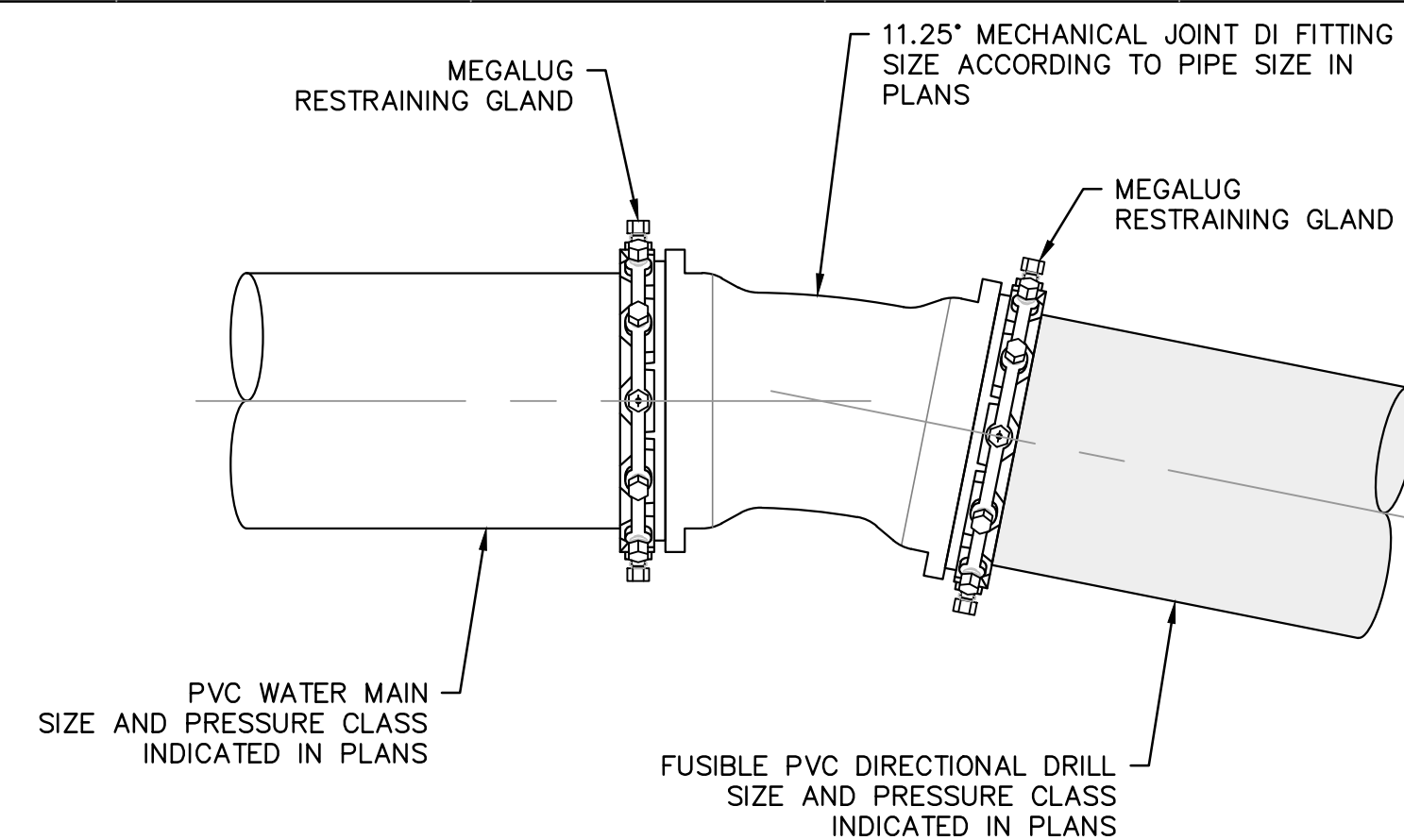




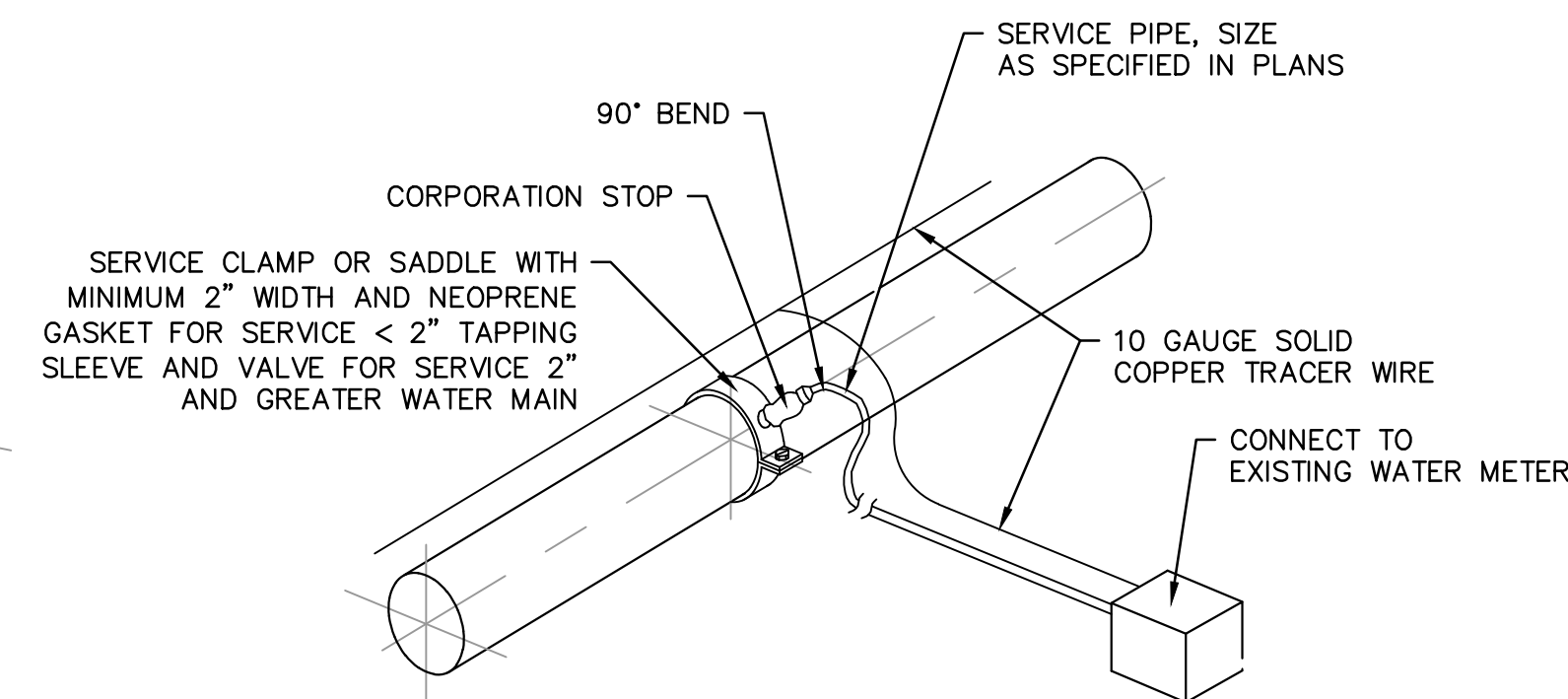
VALVE & VALVE BOX DETAILS  
N.T.S.



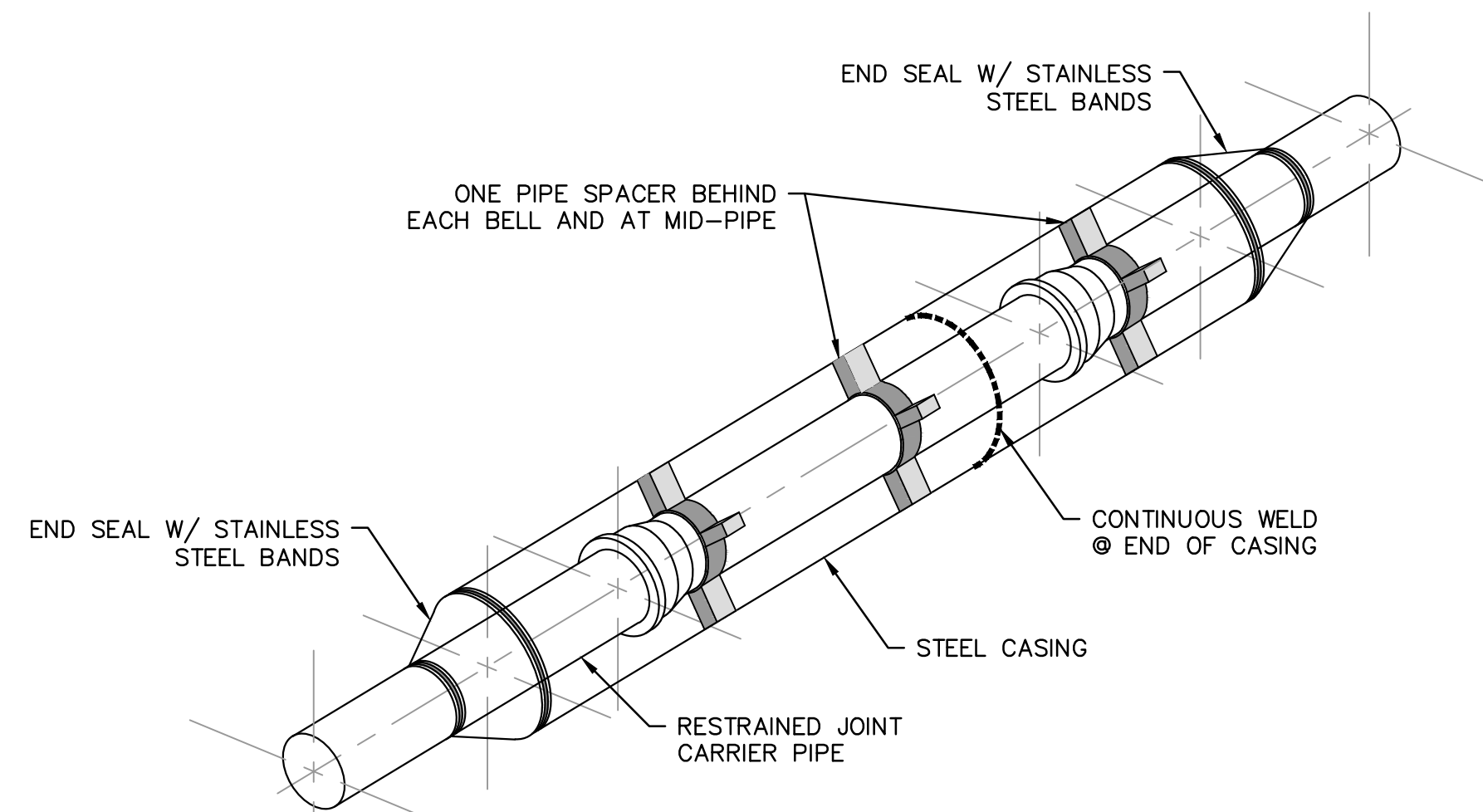
UTILITY SEPARATION DETAILS  
N.T.S.



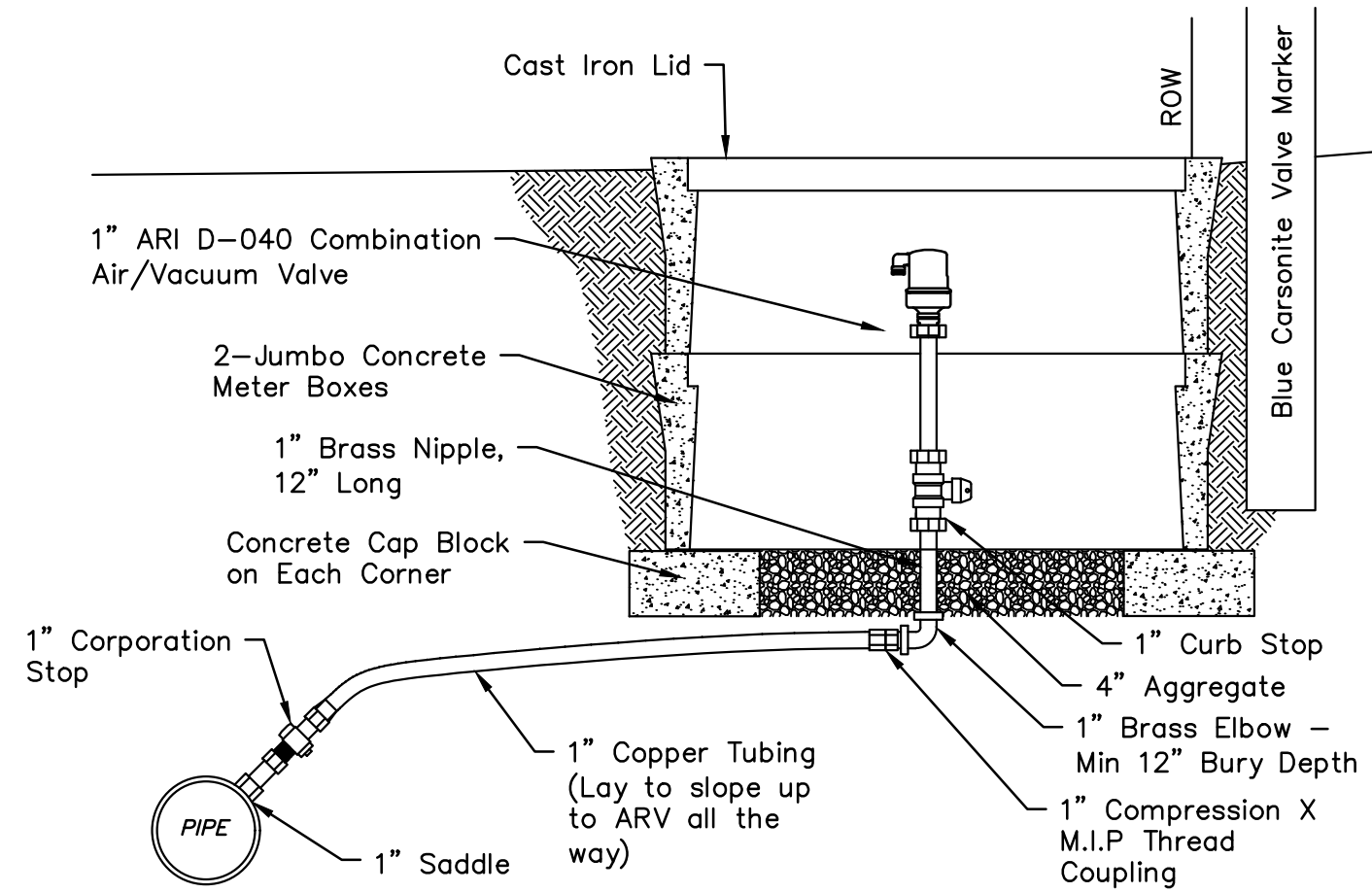
DIRECTIONAL BORE DETAIL  
N.T.S.



SERVICE CONNECTION TO WATER MAIN  
N.T.S.



STEEL ENCASEMENT PIPE  
N.T.S.



1" COMBINATION AIR RELEASE/VACUUM VALVE DETAIL  
N.T.S.

BEARING AREA OF THRUST BLOCKS IN SQUARE FEET (HORIZONTAL BENDS)

FITTING SIZE	TEE, WYE PLUG OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN				
			A1	A2	45°	22 1/2°	11 1/4°
4	1.0	1.4	1.9	1.4	1.0	-	-
6	2.1	3.0	4.3	3.0	1.6	1.0	-
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0
10	5.9	8.4	11.8	8.4	4.6	2.4	1.2
12	8.5	12.0	17.0	12.0	6.6	3.4	1.7
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8

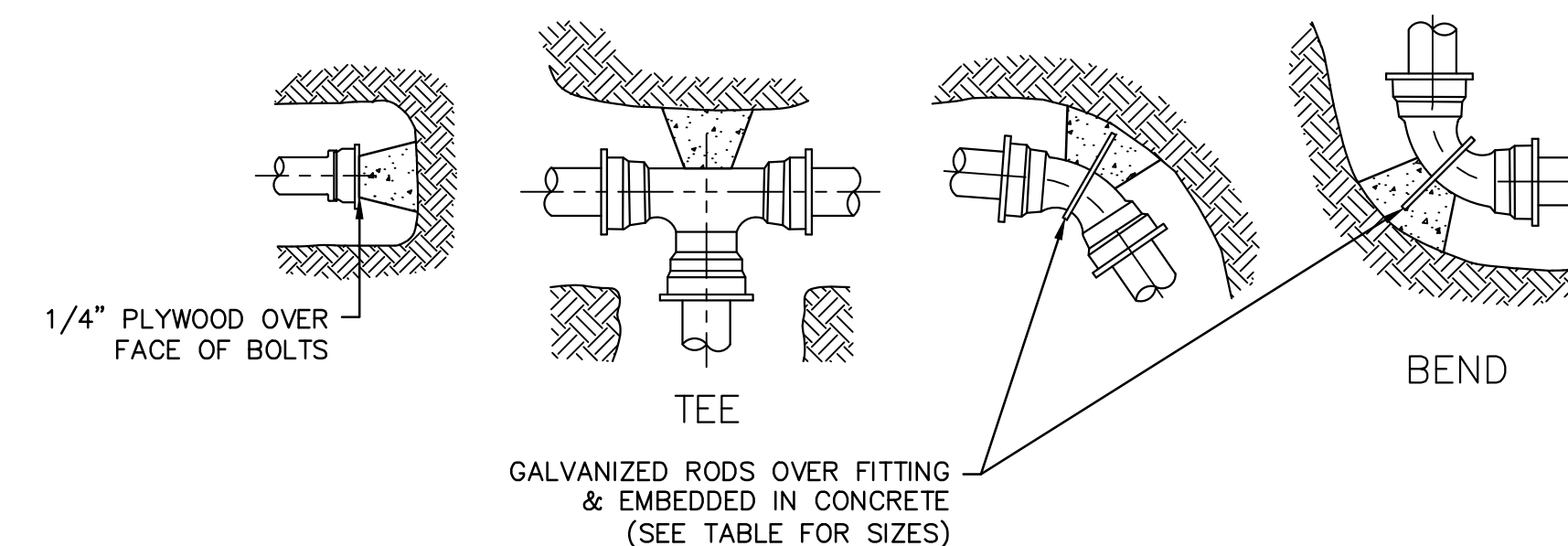
VOLUME OF THRUST BLOCK IN CUBIC YARDS VERTICAL BENDS

FITTING SIZE	BEND ANGLE		
	45°	22 1/2°	11 1/4°
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.6
10	6.0	2.3	0.9
12	8.5	3.2	1.3
14	11.5	4.3	1.8
16	14.5	5.6	2.3

FITTING SIZE EMBEDMENT

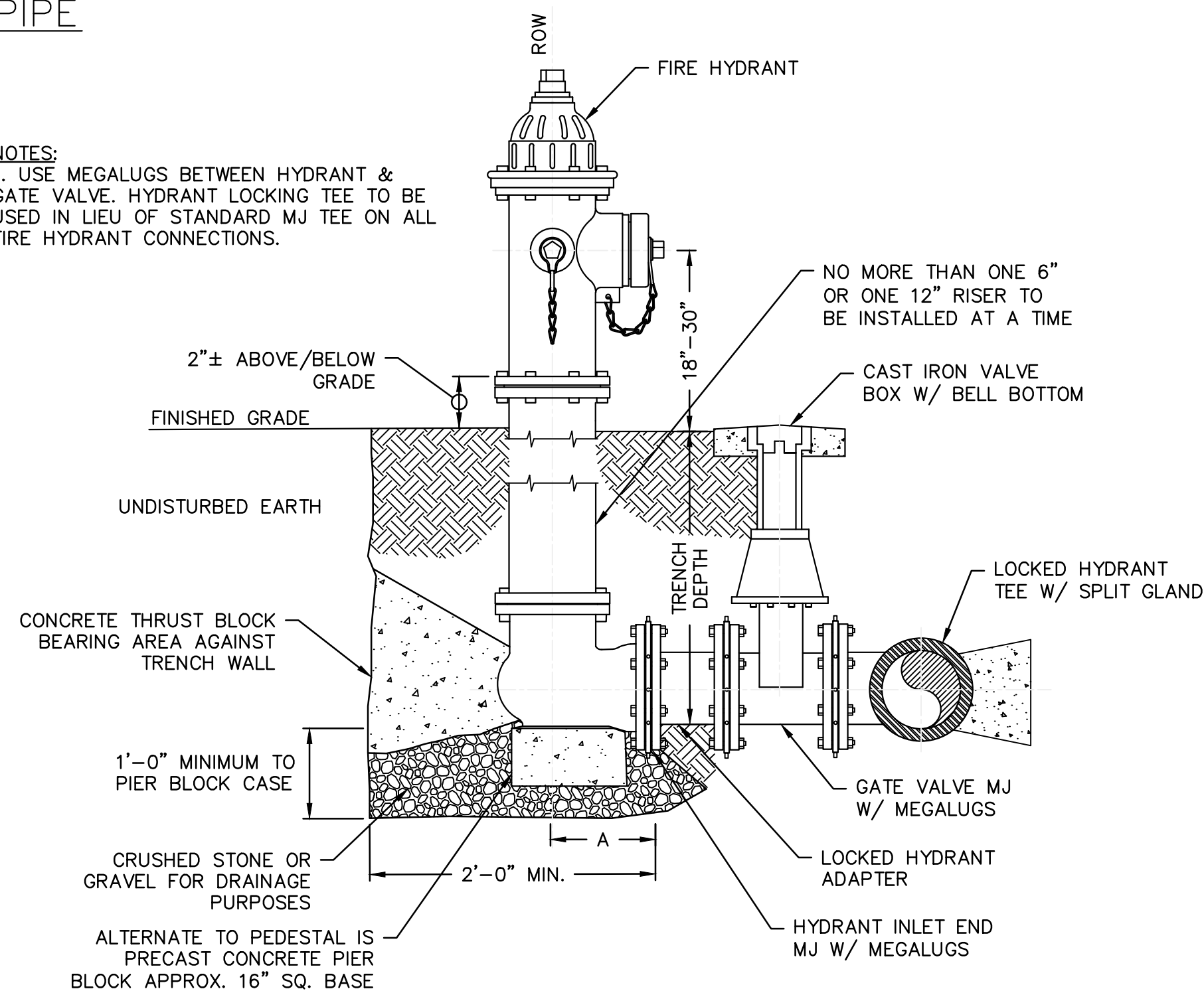
12" AND LESS	30"
14" - 15"	36"

NOTE: ALL CONCRETE COLLARS, THRUST BLOCK, ETC., SHALL BE FORMED AND POURED IN PLACE. CONCRETE SHALL MEET REQUIREMENTS OF CLASS C 2500 PSI CONCRETE IN ACCORDANCE WITH GENERAL SPECIFICATION FOR REINFORCED CONCRETE.

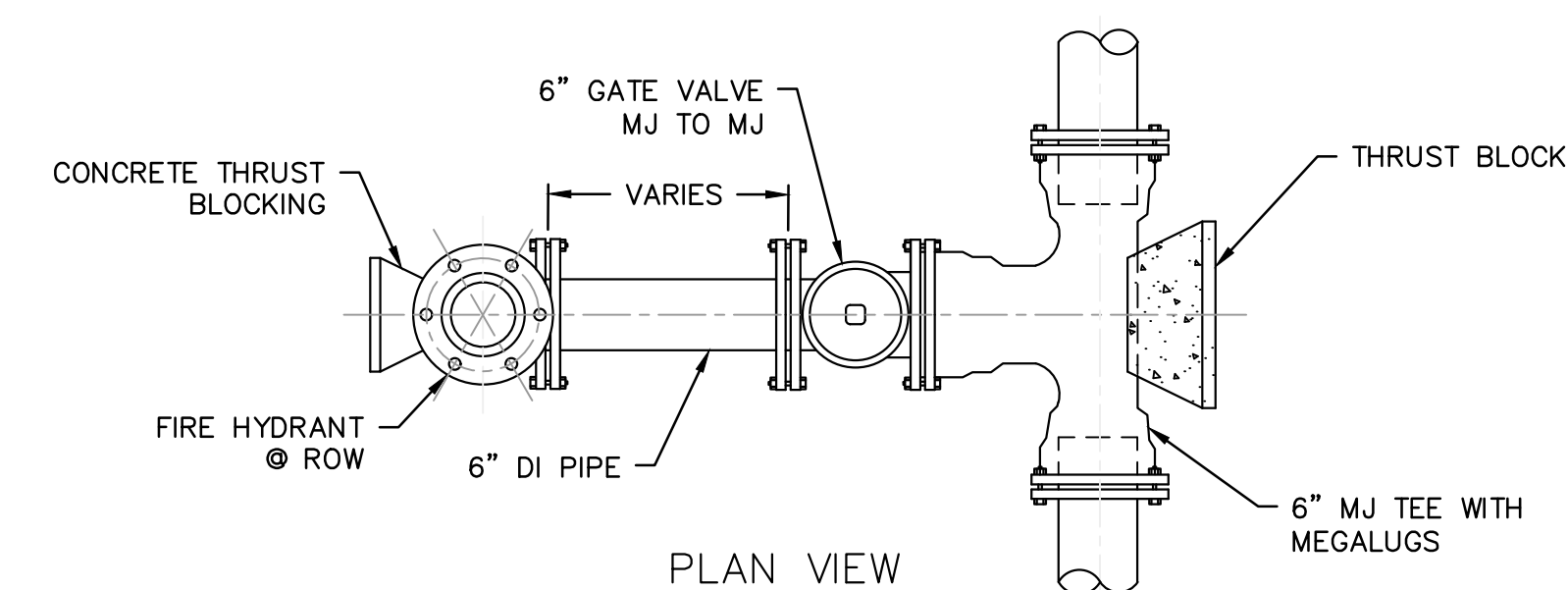


THRUST BLOCK DETAILS  
N.T.S.

NOTES:  
1. USE MEGALUGS BETWEEN HYDRANT & GATE VALVE. HYDRANT LOCKING TEE TO BE USED IN LIEU OF STANDARD MJ TEE ON ALL FIRE HYDRANT CONNECTIONS.



FIRE HYDRANT ASSEMBLY WITH ISOLATION VALVE DETAIL  
N.T.S.



FIRE HYDRANT ASSEMBLY  
N.T.S.

**GMC**

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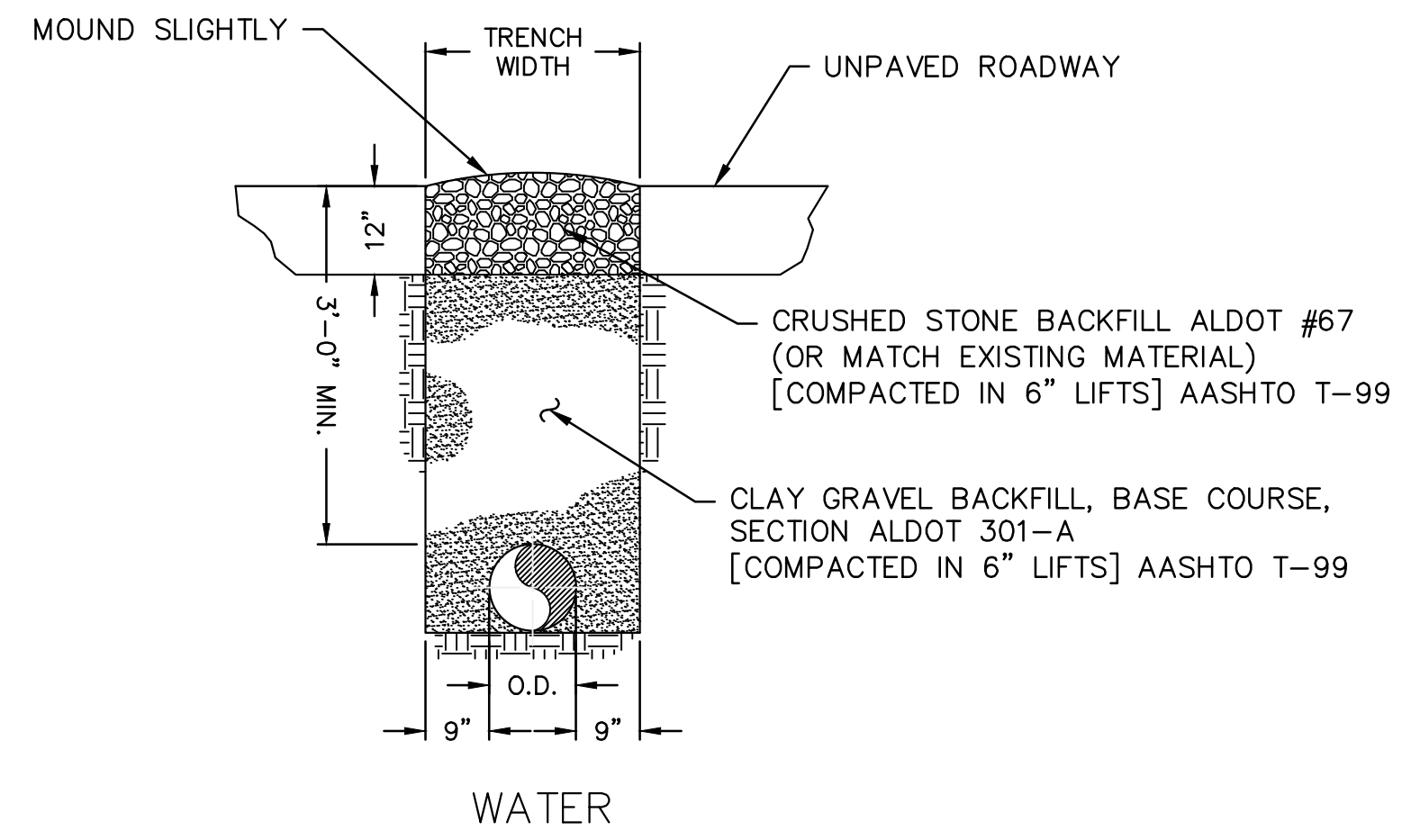
WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
GMC# CMGM23-0045(4)

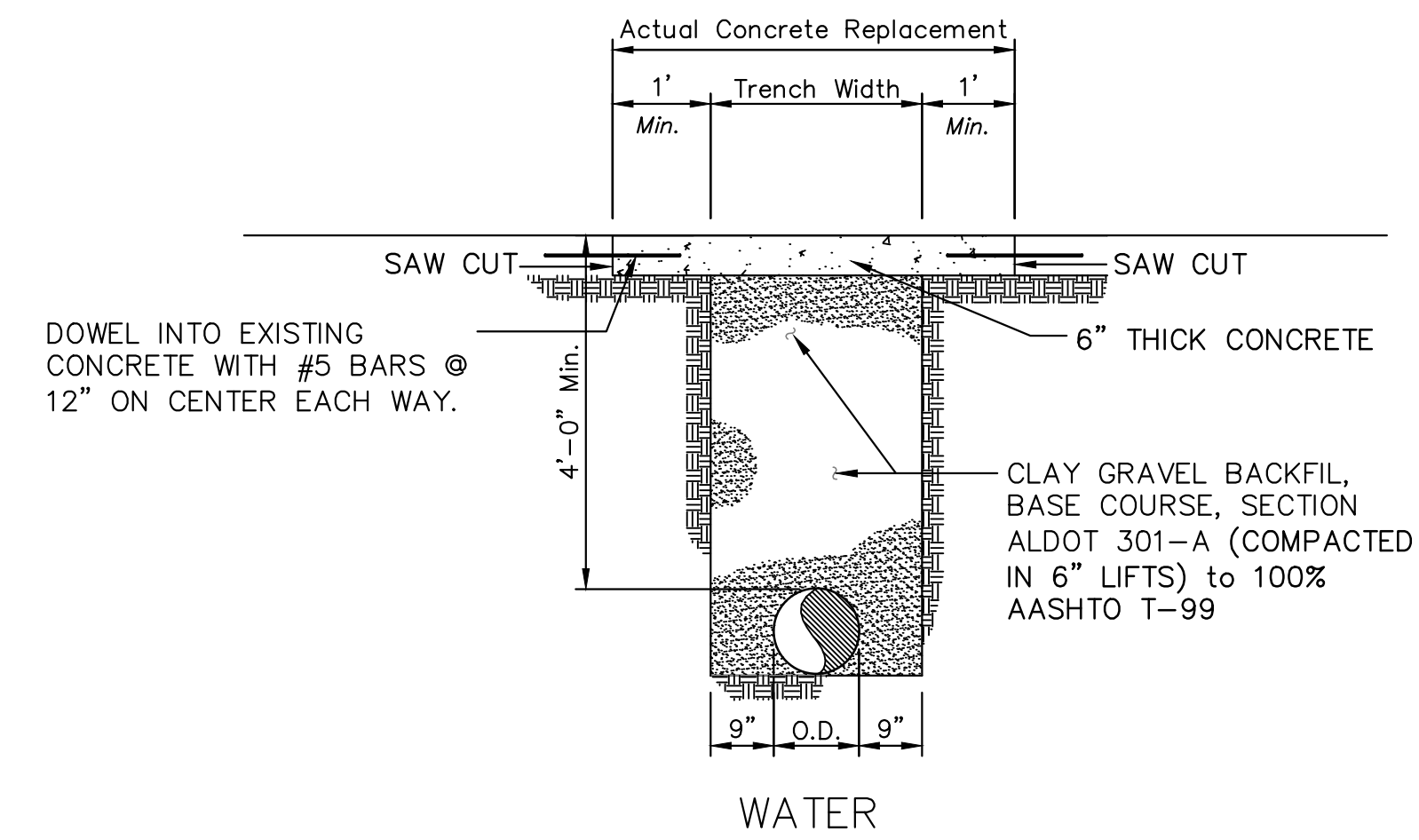


WATER DETAILS

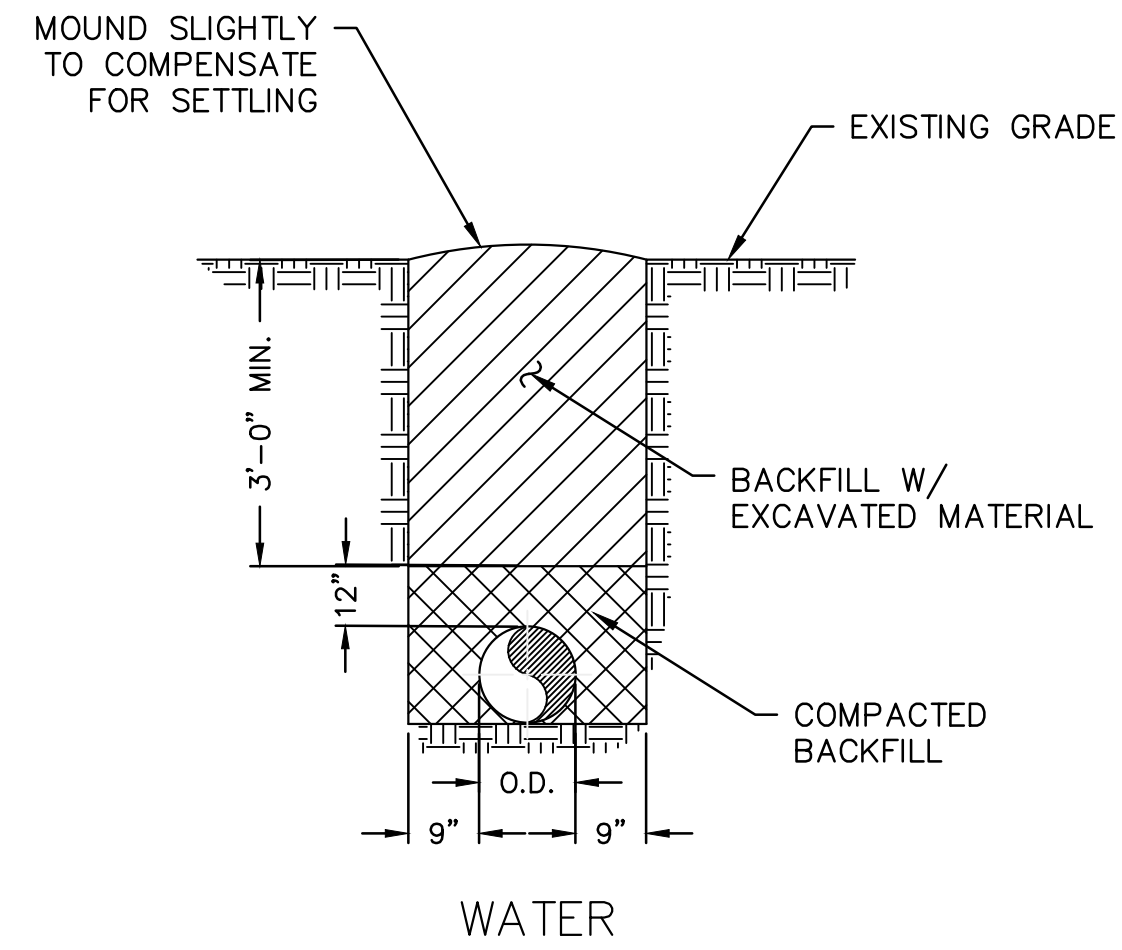
C-902



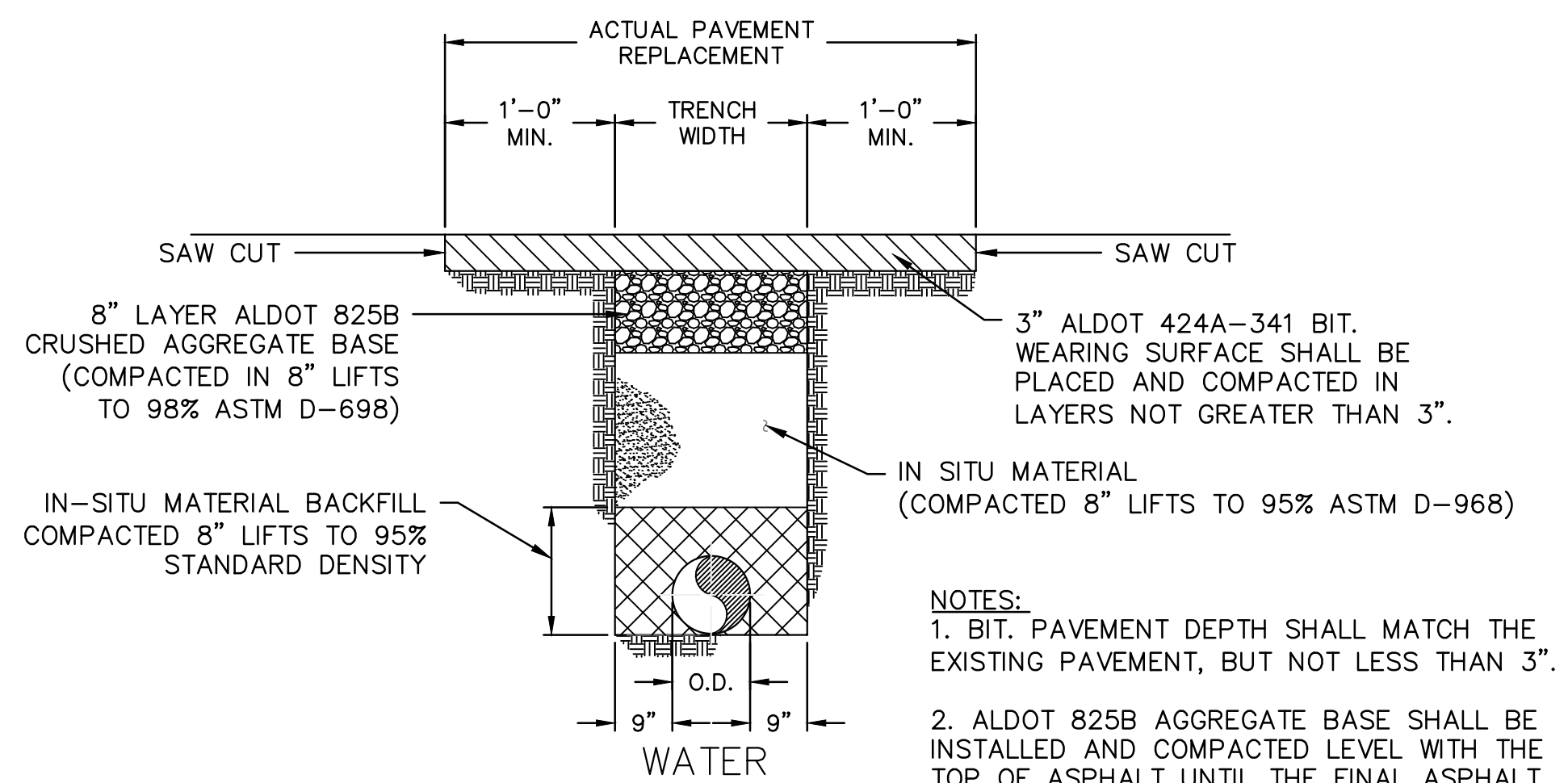
**UNPAVED ROAD PATCH**  
N.T.S.



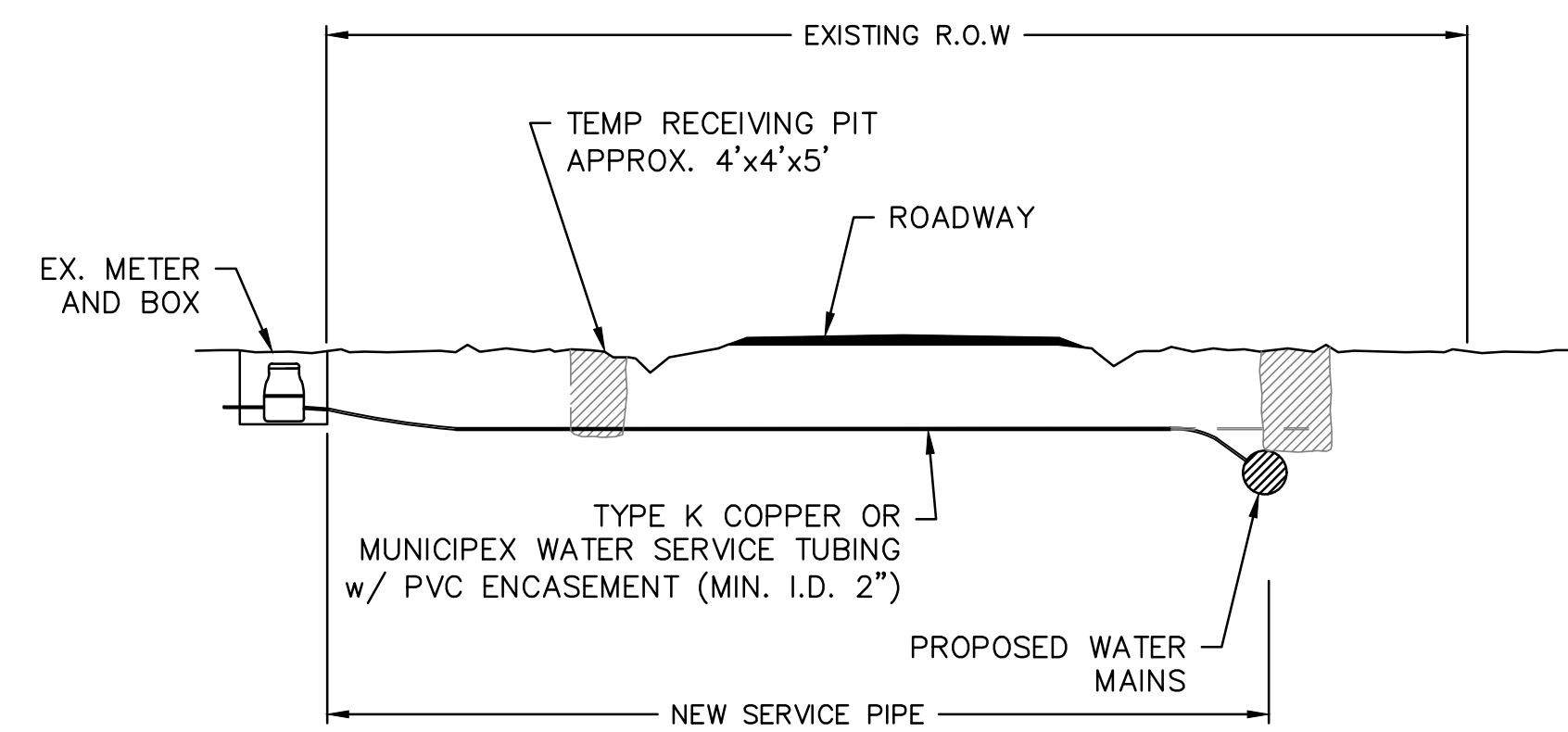
**CONCRETE PATCH**  
N.T.S.



**EARTH TRENCH**  
N.T.S.



**ASPHALT PAVEMENT PATCH: WATER**  
N.T.S.



NOTE A MINIMUM COVER OF 48" THE SERVICE PIPE AND/OR CASING PIPE SHALL BE MAINTAINED. THIS DISTANCE SHALL BE TAKEN BELOW THE BOTTOM LAYER OF ROADWAY ASPHALT & THE DITCH FLOW LINE.

**TYPICAL SERVICE BORE PROFILE**  
N.T.S.

**GMC**

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ISSUE	DATE
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DRAWN BY: JSB  
DESIGNED BY: JSB  
CHECKED BY: JDL

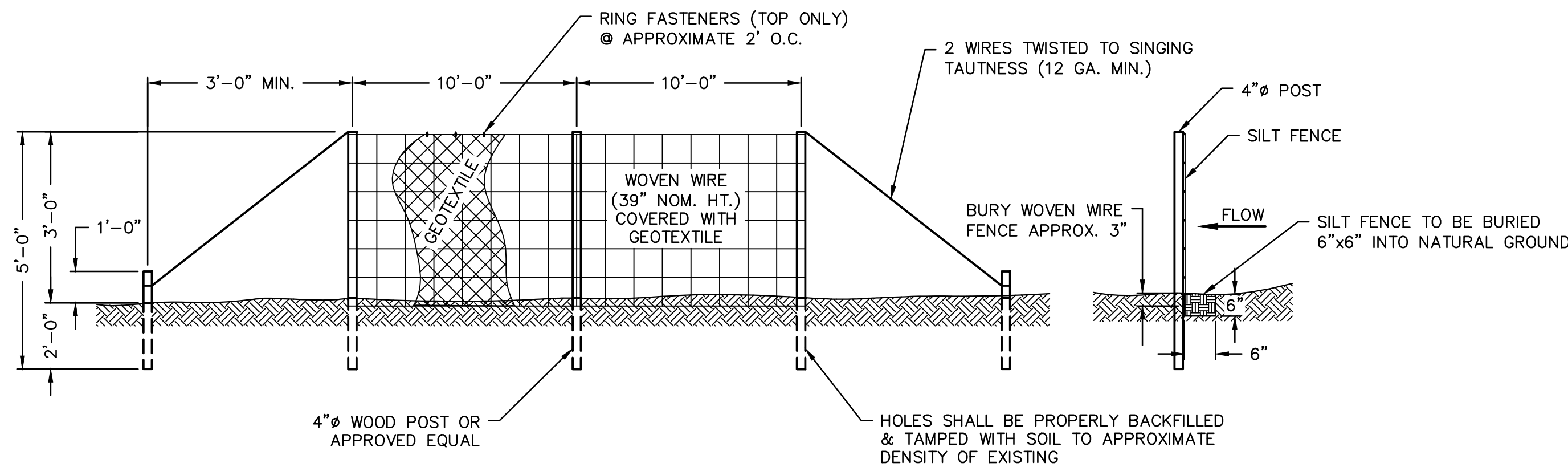
**WHITEROCK & HUGULEY RD**  
**WATER IMPROVEMENTS**  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

**DWSRF# FS010042-03**  
**GMC# CMGM23-0045(4)**

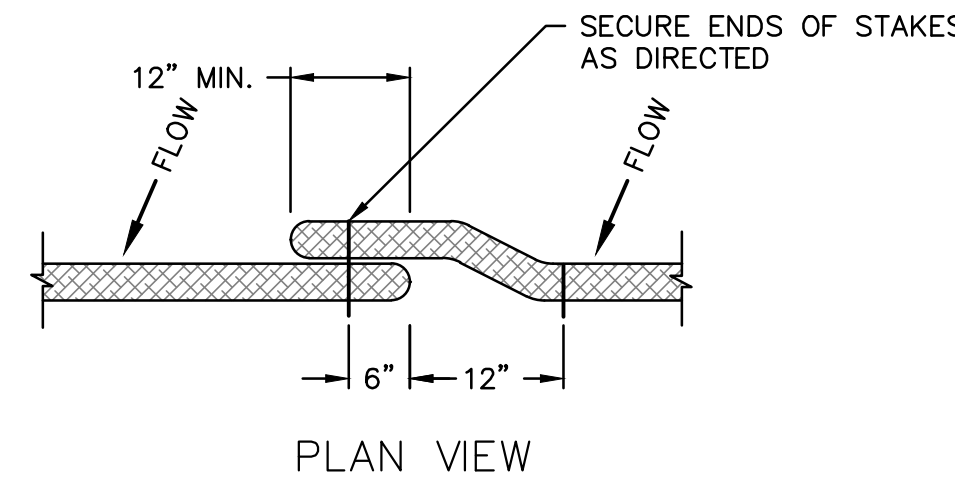


**STANDARD DETAILS**

**C-903**



**TYPE "A" SILT FENCE & INSTALLATION**  
N.T.S.

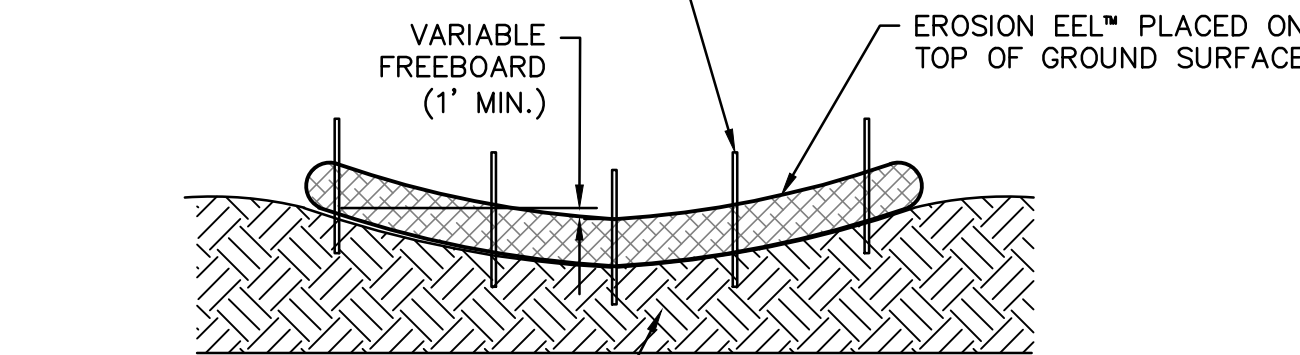


**OVERLAP/JOINT DETAIL**  
N.T.S.

NOTE: SLIGHTLY ANGLE STAKES WITH TOP FACING TOWARDS DIRECTION OF FLOW.

NOTE: TIE FLOC LOGS SECURELY AT CENTERLINE OF FLOW ON DOWNSTREAM SIDE.

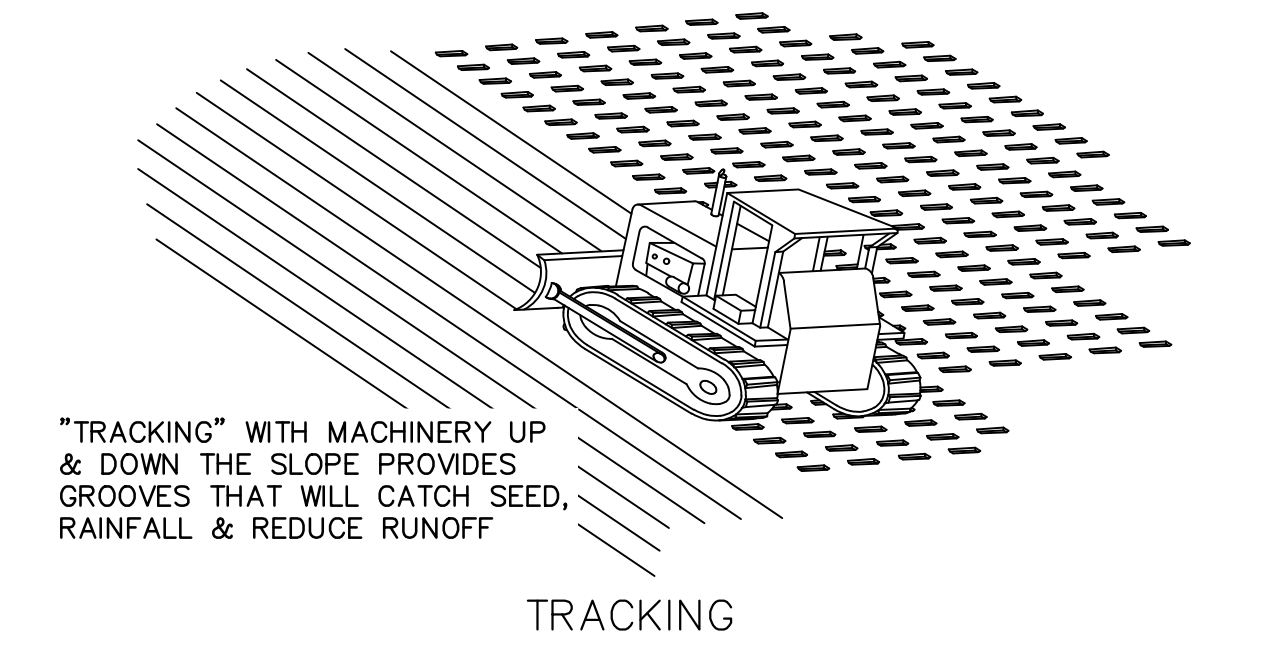
STABILIZE EROSION EEL™ VIA METAL T-POSTS ON DOWNHILL SIDE AT THE CENTER, AT EACH END & AT ADDITIONAL POINTS AS NEEDED (2' MAX. SPACING) OR AS DIRECTED BY ENGINEER



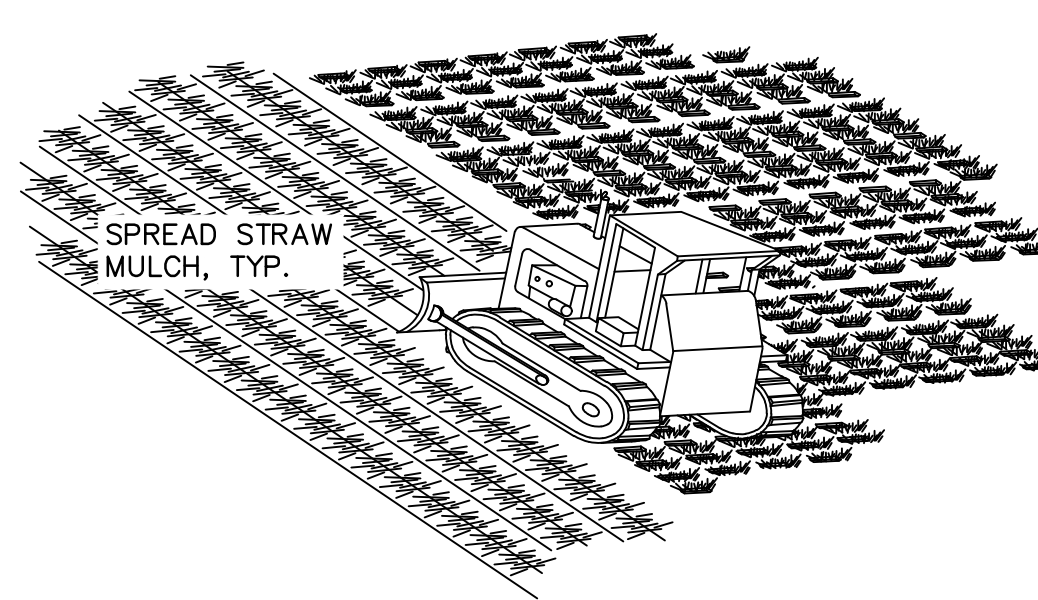
IF SOIL BENEATH EEL™ IS SOFT OR LOOSE, COMPACT BY HAND TAMPING OR OTHER APPROVED MEANS

**SECTION A-A**  
SMALL DITCH CHECKS FOR 9.5" AND 20" EELS

NOTE: APPLICABLE TO SMALL WIDTH DITCHES WITH TOTAL WIDTH THAT REQUIRES ONLY ONE 10' EEL™ TO SPAN.

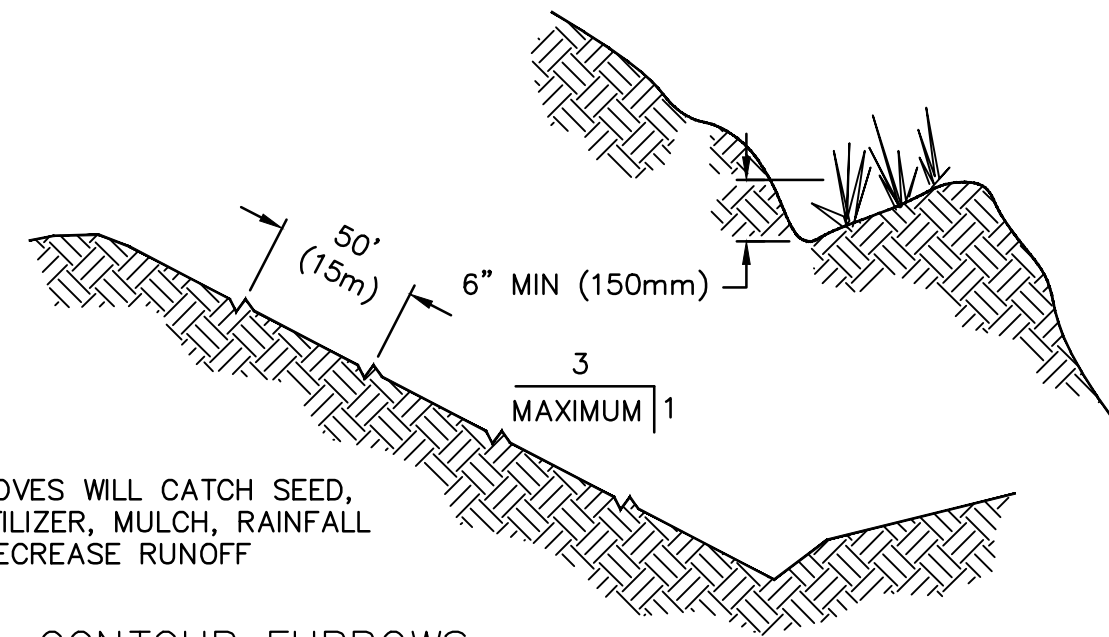


**TRACKING**



'TRACKING' WITH MACHINERY ON SANDY SOIL PROVIDES ROUGHENING WITHOUT UNDUE COMPACTION

**STRAW ANCHORING**



**CONTOUR FURROWS**

**SURFACE ROUGHENING**  
N.T.S.

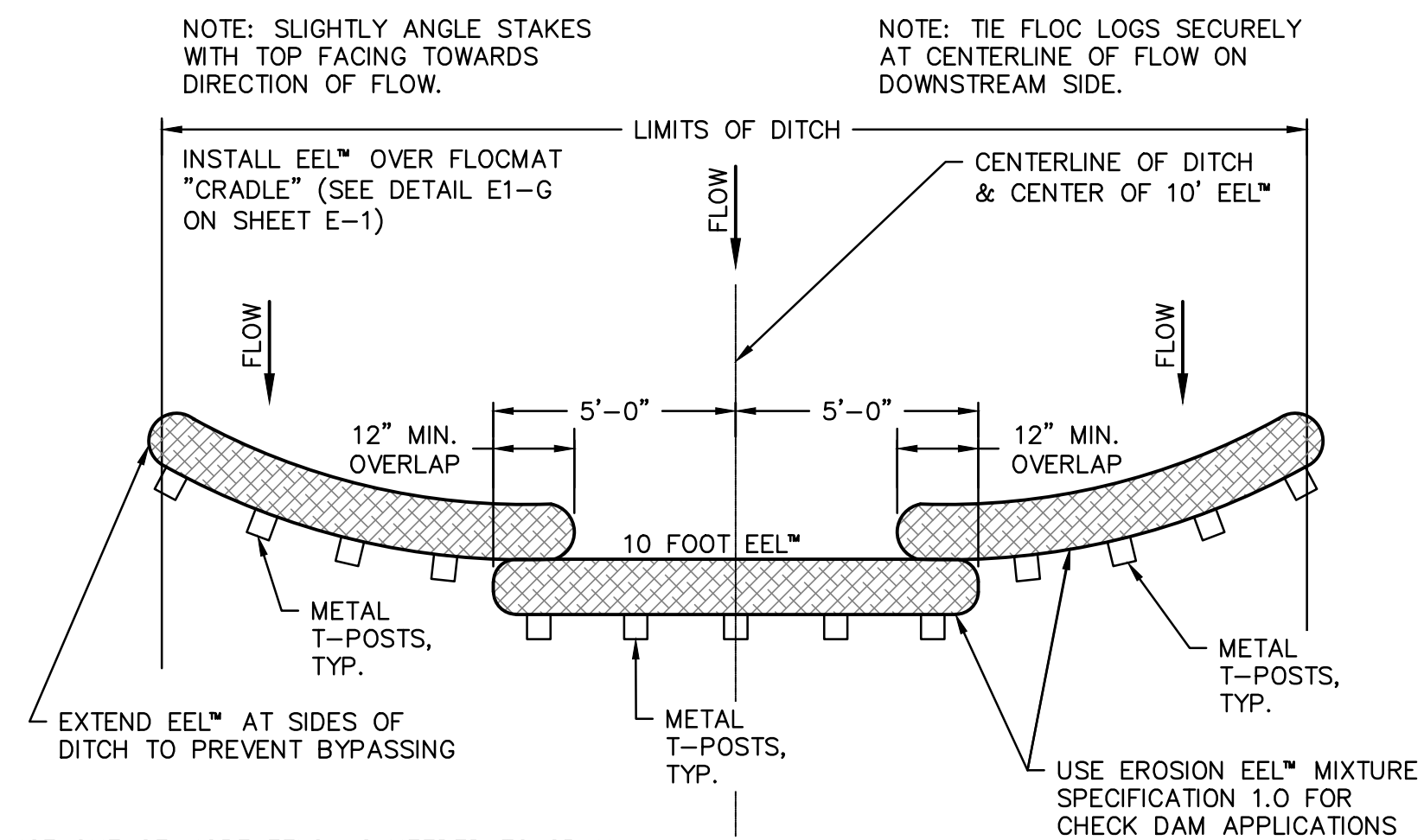
- NOTES:
1. ROUGHEN SLOPE WITH BULLDOZER.
  2. BROADCAST SEED AND FERTILIZER.
  3. SPREAD STRAW MULCH 3" (76mm) THICK. (1 1/2 TO 2 TONS PER ACRE).
  4. PUNCH STRAW MULCH INTO SLOPE BY RUNNING BULLDOZER UP AND DOWN SLOPE.

**STRAW ANCHORING**  
N.T.S.

**GENERAL NOTES:**

1. EROSION EELS USED IN PERIMETER CONTROL APPLICATIONS SHALL HAVE A SPECIFICATION MIXTURE 1.1 OR 1.2.
  - a. MIXTURE SPECIFICATION 1.1. A FILTER MIXTURE COMPRISED OF 50% SHREDDED RUBBER AND 50% WOOD CHIP PARTICLES BY VOLUME. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST, IF NOT ALL, METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHALL BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFORM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03.
  - b. MIXTURE SPECIFICATION 1.2. A FILTER MIXTURE COMPRISED OF 1/3 SHREDDED RUBBER, 1/3 WOOD CHIPS, AND 1/3 RECYCLED SYNTHETIC FIBERS. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST, IF NOT ALL, METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHALL BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFORM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03. THE SYNTHETIC FIBERS SHALL BE PRODUCED FROM RECYCLED, MANUFACTURED MATERIALS, SUCH AS, BUT NOT LIMITED TO, PRE-CONSUMER SCRAP CARPET, TIRE CHORD, AND TIRE FIBER MATERIALS.
2. EROSION EELS SHALL BE MANUFACTURED FROM A WOVEN GEOTEXTILE COVERING WITH INTERIOR FILTER MATERIALS SUCH AS 100% SHREDDED RUBBER (MIXTURE SPECIFICATION 1.0), 50% SHREDDED RUBBER/50% AASHTO-CERTIFIED WOOD CHIPS (MIXTURE SPECIFICATION 1.1).
3. LENGTHS OF EROSION EELS SHALL BE EITHER A NOMINAL +/-10 FT. OR +/- 4.5 FT. NOMINAL DIAMETER SHALL BE +/-9.5 INCHES.
4. EROSION EELS CAN BE PLACED AT THE TOP, ON THE FACE, OR AT THE TOE OF SLOPES TO INTERCEPT RUNOFF, REDUCE FLOW VELOCITY, RELEASE THE RUNOFF AS SHEET FLOW AND PROVIDE REMOVAL OF SEDIMENT FROM THE RUNOFF.
5. EROSION EELS SHALL BE INSTALLED ALONG THE GROUND CONTOUR, AT THE TOE OF SLOPES, AT AN ANGLE TO THE CONTOUR TO DIRECT FLOW AS A DIVERSION BERM, AROUND INLET STRUCTURES, IN A DITCH AS A CHECK DAM TO HELP REDUCE SUSPENDED SOLIDS LOADING AND RETAIN SEDIMENT, OR AS A GENERAL FILTER FOR ANY DISTURBED SOIL AREA.
6. NO TRENCHING IS REQUIRED FOR INSTALLATION OF EROSION EELS.
7. PREPARE BED FOR EEL INSTALLATION BY REMOVING ANY LARGE DEBRIS INCLUDING ROCKS, SOIL CLODS, AND WOODY VEGETATION. EROSION EELS CAN ALSO BE PLACED OVER PAVED SURFACES INCLUDING CONCRETE AND ASPHALT WITH NO SURFACE PREPARATION REQUIRED.
8. RAKE BED AREA WITH A HAND RAKE OR BY DRAG HARROW.
9. DO NOT PLACE EEL DIRECTLY OVER RILL AND GULLIES UNTIL AREA HAS BEEN HAND-EXCAVATED AND RAKED TO PROVIDE A LEVEL BEDDING SURFACE. ALL SURFACES SHALL BE UNIFORMLY COMPACTED FOR MAXIMUM SEATING OF EELS IN PLACE.
10. FOR LOCATIONS WHERE EELS WILL BE PLACED IN CONCENTRATED FLOWS (SUCH AS CHECK DAMS, INLET PROTECTION) AND FOR PERIMETER CONTROLS AT PRIMARY DISCHARGE LOCATIONS, BED THE EELS IN A FLOCMAT CRADLE PER THE DETAILED DRAWINGS.
11. FOR DITCH APPLICATIONS, THE MAXIMUM DRAINAGE AREA SHALL BE 10 ACRES.
12. IF MORE THAN ONE EROSION EEL IS PLACED IN A ROW, THE EELS SHALL BE OVERLAPPED A MINIMUM OF 12 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. COMPRESS THE TWO EELS OF THE OVERLAP TIGHTLY TOGETHER EITHER BY HAND OR MANUFACTURER-APPROVED MECHANIZED MEANS.
13. WHEN USED IN DITCHES AS A CHECK DAM, EROSION EELS SHALL BE INSTALLED PER MANUFACTURER'S DETAILS.
14. FOR CHECK DAM APPLICATIONS, EROSION EELS SHALL BE PLACED PERPENDICULAR TO THE FLOW OF THE WATER. EROSION EELS SHALL CONTINUE UP THE SIDES SLOPES A MINIMUM OF 3 FEET ABOVE THE DESIGN FLOW DEPTH.
15. EROSION EELS SHALL REMAIN IN PLACE UNTIL FULLY ESTABLISHED VEGETATION HAS COMPLETELY DEVELOPED OR UNTIL THE STORAGE CAPACITY/FUNCTIONAL LIFE OF THE EEL HAS BEEN EXHAUSTED (REQUIRING REPLACEMENT WITH NEW EELS).
16. ANCHORING POSTS FOR CHECK DAM APPLICATIONS SHALL HAVE A MINIMUM WEIGHT OF 1.25 LBS/FT STEEL T-POSTS (5 TO 7 FT. LENGTHS) ROLLED FROM HIGH CARBON STEEL. POSTS SHOULD BE HOT-DIP GALVANIZED OR COATED WITH A WEATHER-RESISTANT PAINT FOR STEEL APPLICATION. POSTS SHOULD BE EQUIPPED WITH A METAL ANCHOR PLATE. INSTALL PER DETAILS ON THIS SHEET.
17. PLACE T-POSTS THROUGH HANDLE OF BAGS. DO NOT DRIVE POSTS THROUGH EROSION EELS. T-POSTS ARE TO BE EMBEDDED A MINIMUM OF 2 FT INTO GROUND.

**EROSION EEL DETAIL**  
N.T.S.



**CHECK DAM ARRANGEMENT FOR LARGER WIDTH DITCHES FOR 9.5" AND 20" EELS**

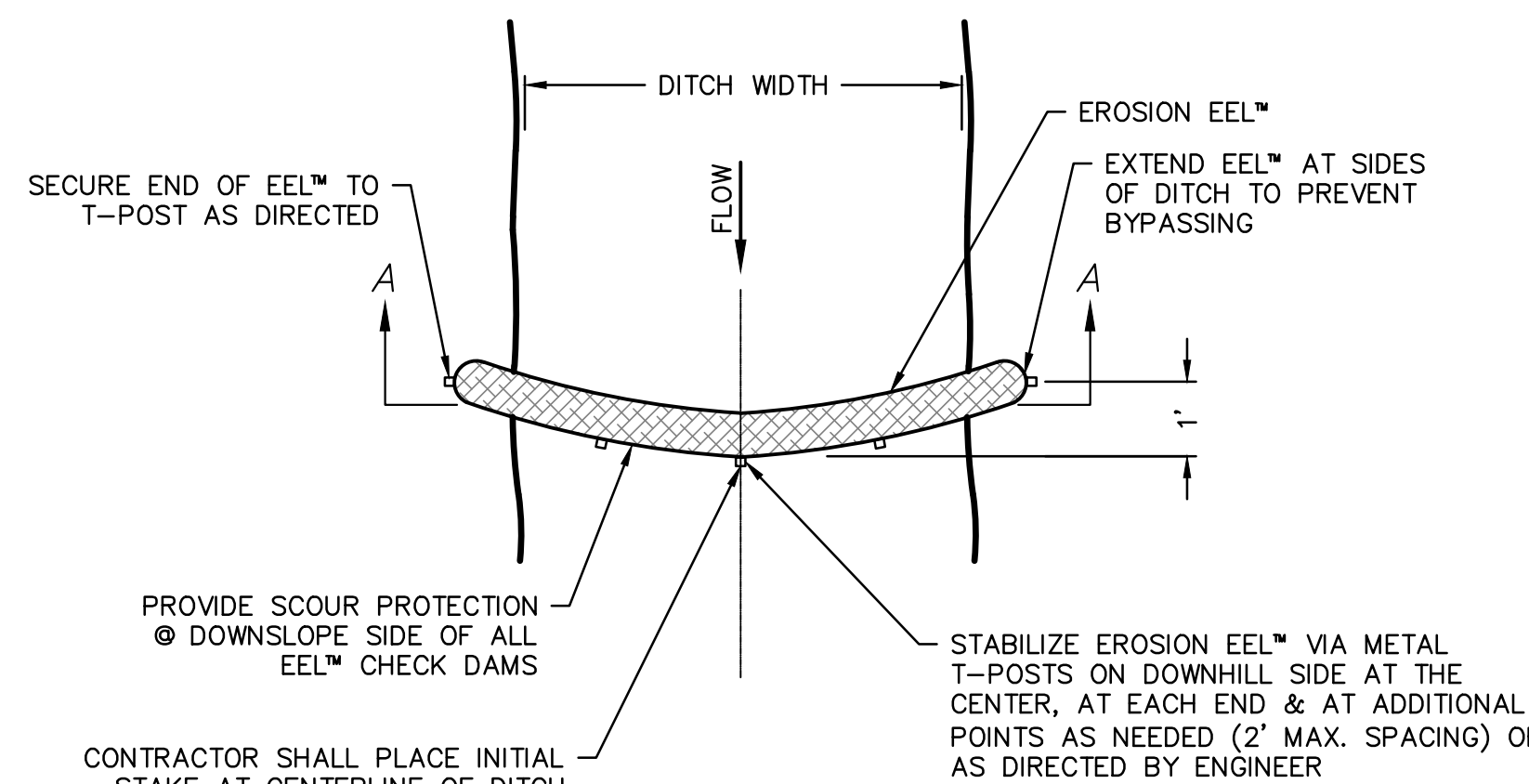
NOTE: APPLICABLE TO LARGE WIDTH DITCHES WHERE ONE EEL™ IS NOT SUFFICIENT TO SPAN LENGTH.

MINIMIZE OVERLAP LENGTH IN CHECK DAM APPLICATIONS TO MAXIMIZE FLOW-THROUGH CAPACITY. IN LIEU OF OVERLAPS, EEL CAN BE USED PER DETAILS

**EROSION EEL DETAIL**  
N.T.S.

NOTE: SLIGHTLY ANGLE STAKES WITH TOP FACING TOWARDS DIRECTION OF FLOW.

NOTE: TIE FLOC LOGS SECURELY AT CENTERLINE OF FLOW ON DOWNSTREAM SIDE.

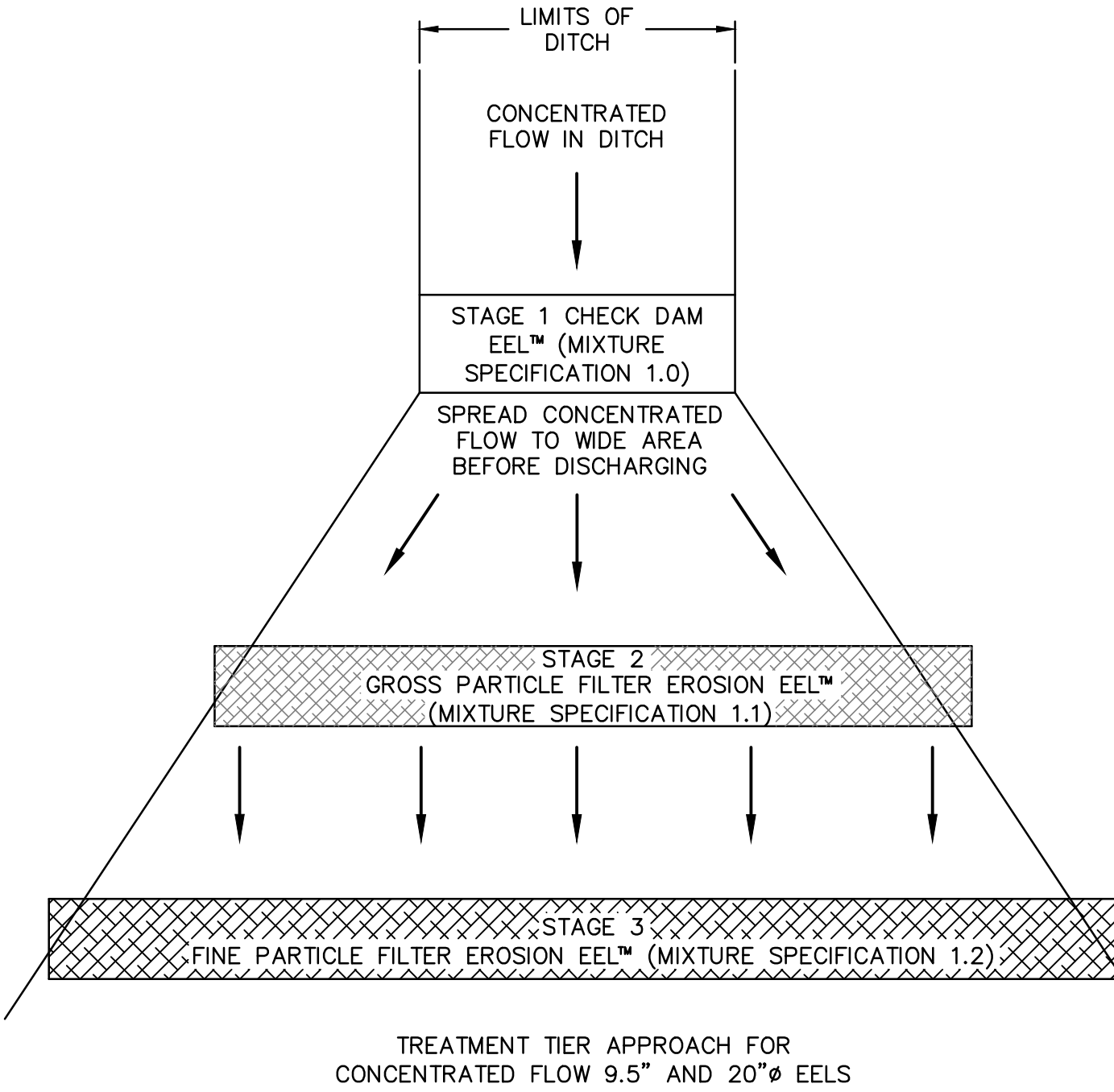


**SMALL DITCH CHECKS SINGLE EEL™ (NO STACKING) FOR 9.5" AND 20" EELS**

NOTE: EROSION EEL™ USED FOR CHECK DAMS SHALL USE MIXTURE SPECIFICATION 1.0.

NOTE: APPLICABLE TO SMALL WIDTH DITCHES WITH TOTAL WIDTH THAT REQUIRES ONLY ONE 10' EEL™ TO SPAN.

**EROSION EEL DETAIL**  
N.T.S.



- NOTE:
1. PLACE CHECK DAM EELS (MIXTURE 1.0) UPSLOPE OF EELS WITH MIXTURES 1.1 OR 1.2.
  2. EELS WITH MIXTURE 1.1 SHOULD ALWAYS BE PLACED UPSLOPE OF EELS WITH FINE PARTICLE MIXTURE 1.2.

**EROSION EEL DITCH OUTLET DETAIL**  
N.T.S.

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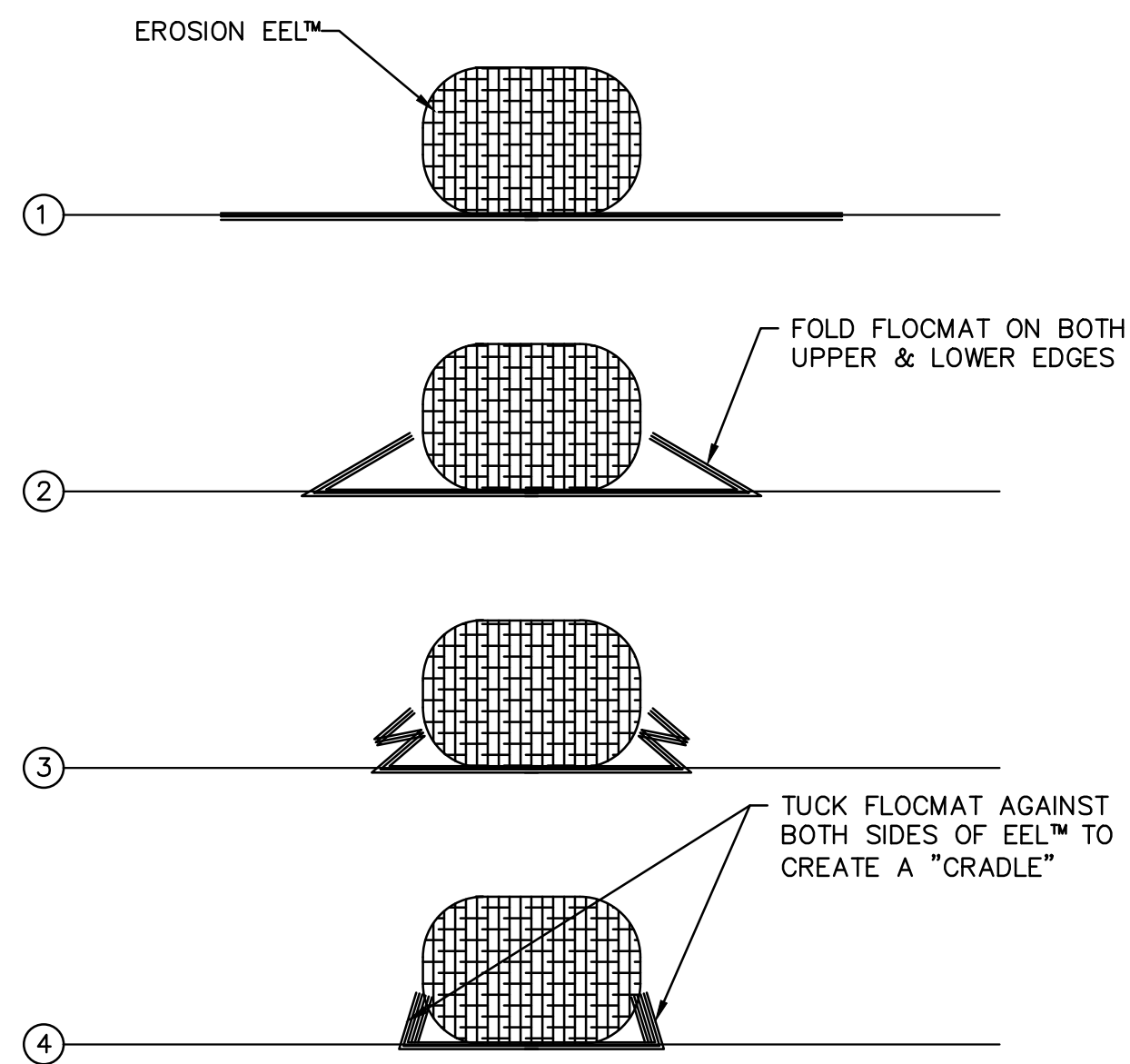
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GMC# CMGM23-0045(4)



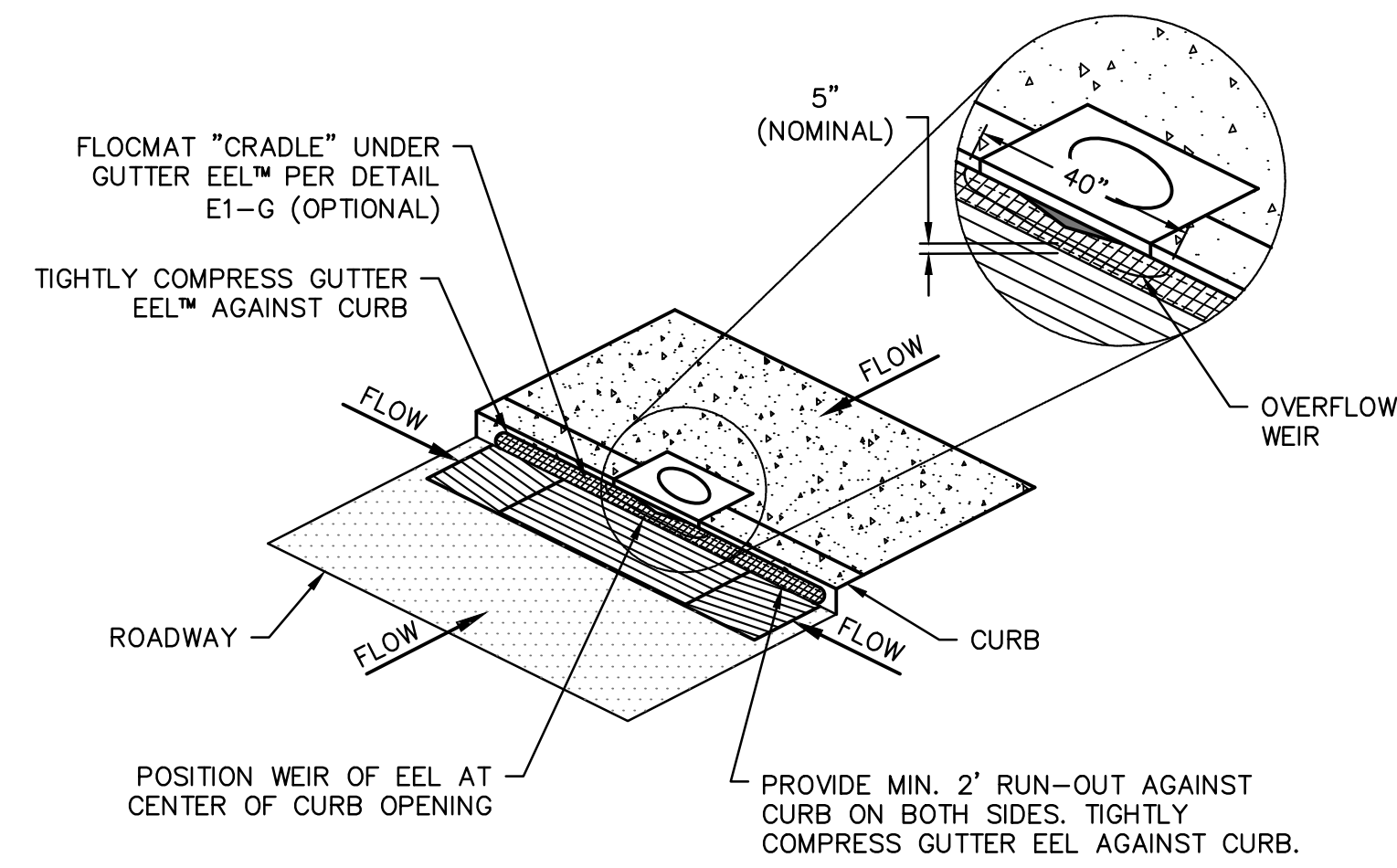
**EROSION CONTROL DETAILS**

**C-904**

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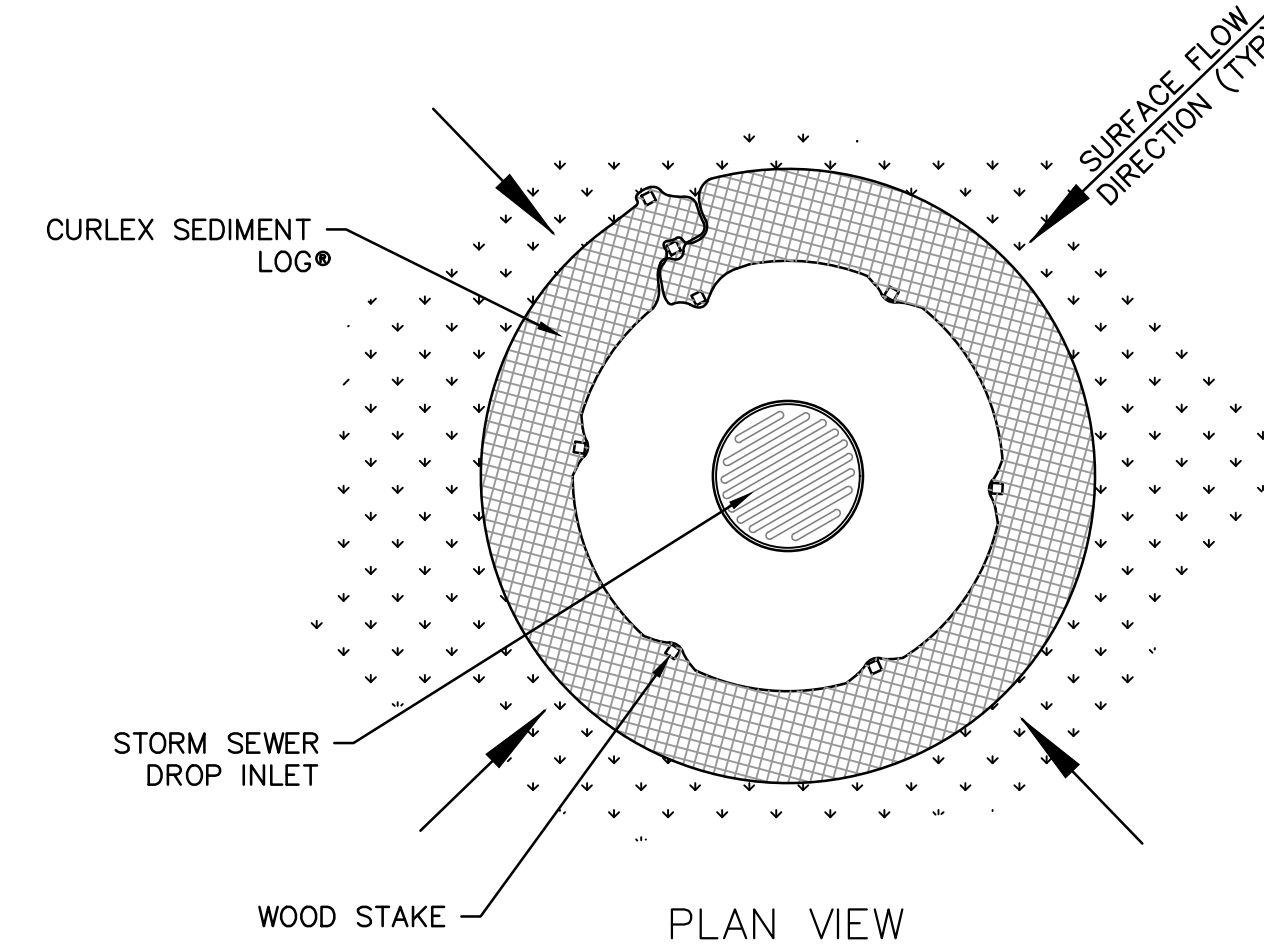


FLOCMAT DETAIL FOR GUTTER EEL  
N.T.S.

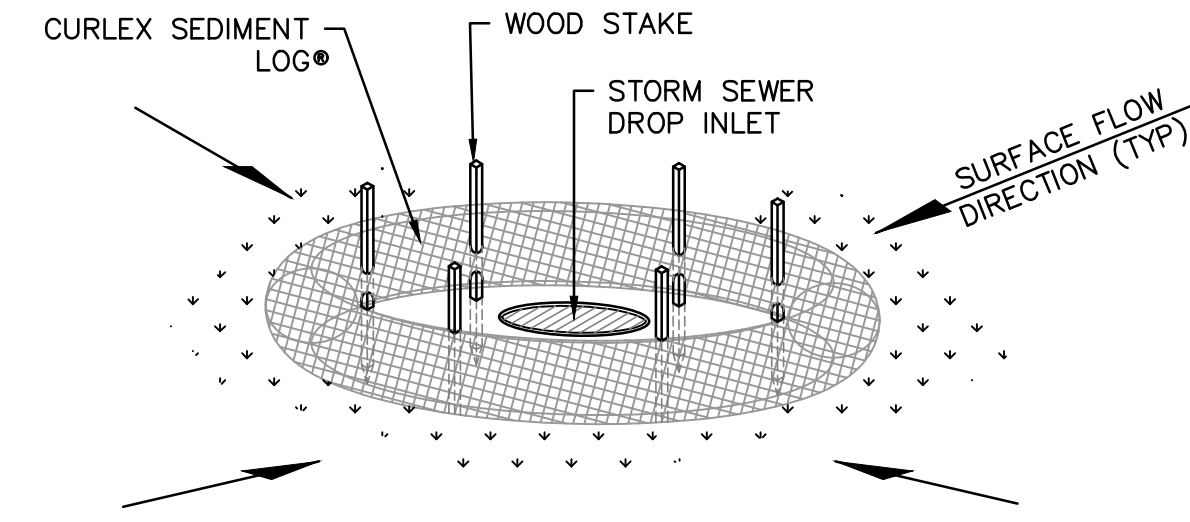


NOTE: PERIODIC MAINTENANCE SHALL INCLUDE CLEANING GUTTER EEL™ SURFACE WITH HIGH PRESSURE WASH OR BRUSHING SURFACE WITH BROOM.

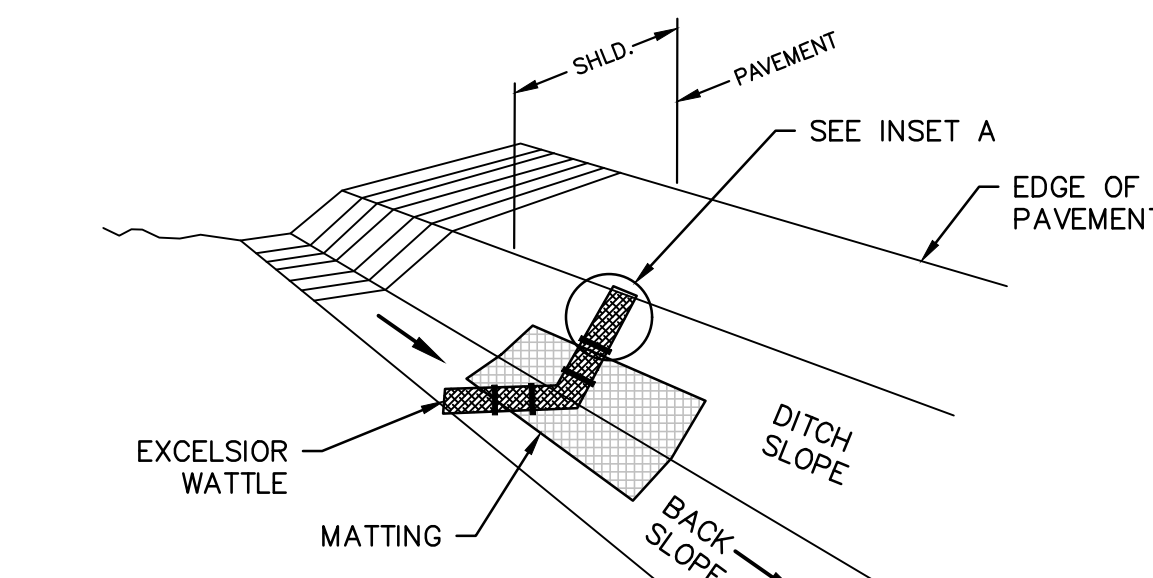
ISOMETRIC DETAIL E3-C: SMALL CURB INLET SEDIMENT TRAP - GUTTER EEL  
N.T.S.



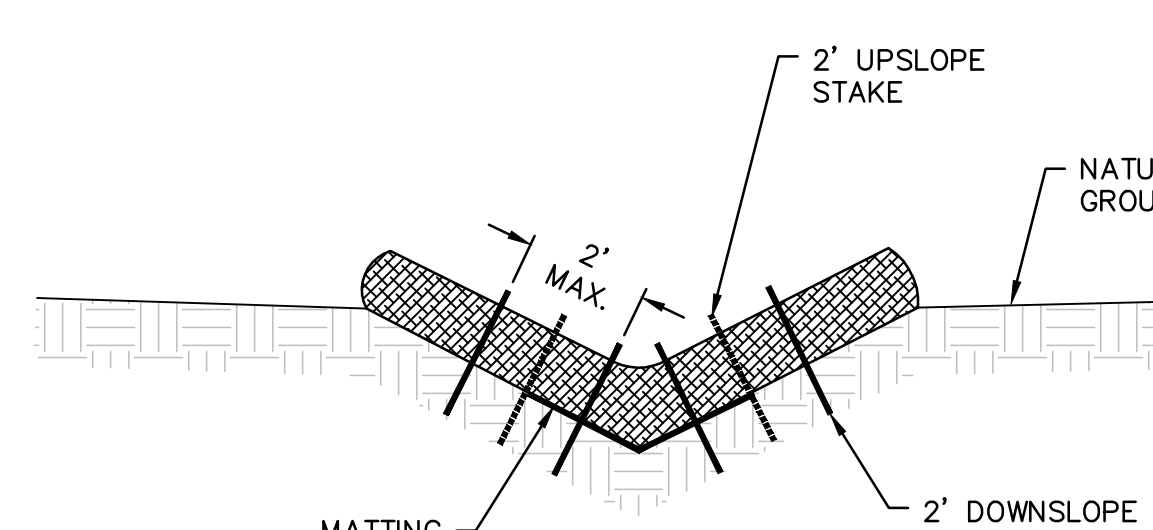
CURLEX SEDIMENT LOGS®  
DROP INLET PROTECTION  
N.T.S.



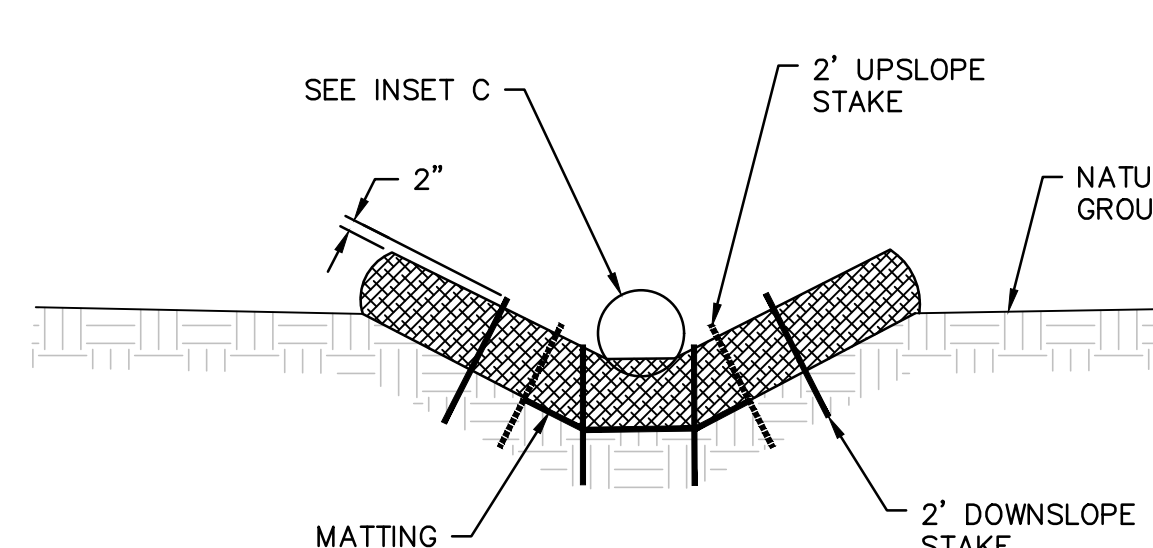
- GENERAL NOTES:
- USE MINIMUM 12" DIAMETER FIBER WATTLE.
  - USE 2"-0" WOODEN STAKES WITH A 2"x2" NOMINAL CROSS SECTION.
  - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES & AS DIRECTED.
  - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
  - PROVIDE STAPLES MADE OF 0.125" DIAMETER STEEL WIRE FORMED INTO A "U" SHAPE NOT LESS THAN 12" IN LENGTH.
  - INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
  - INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE ALDOT STANDARD SPECIFICATIONS.
  - PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
  - INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50".



ISOMETRIC VIEW



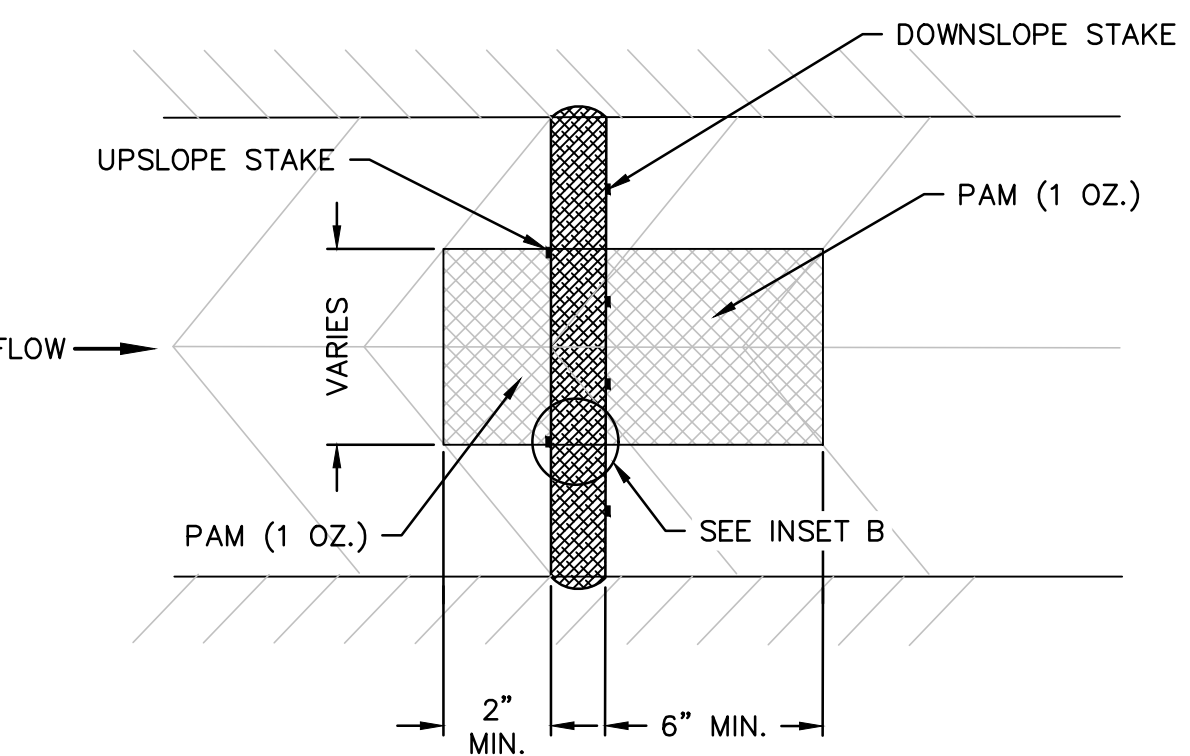
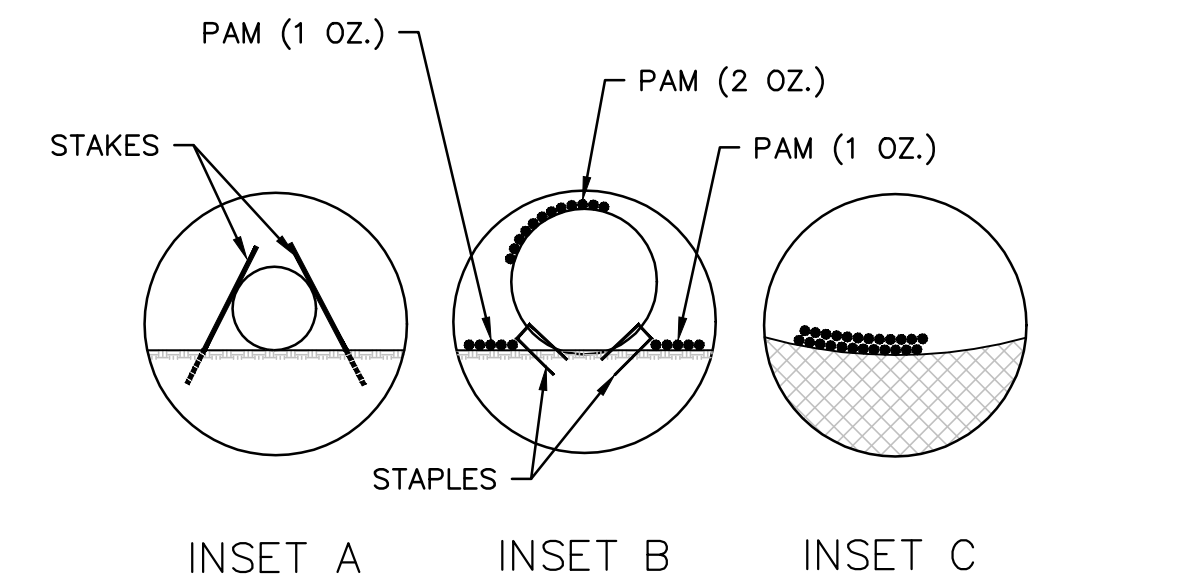
CROSS SECTION VEE DITCH



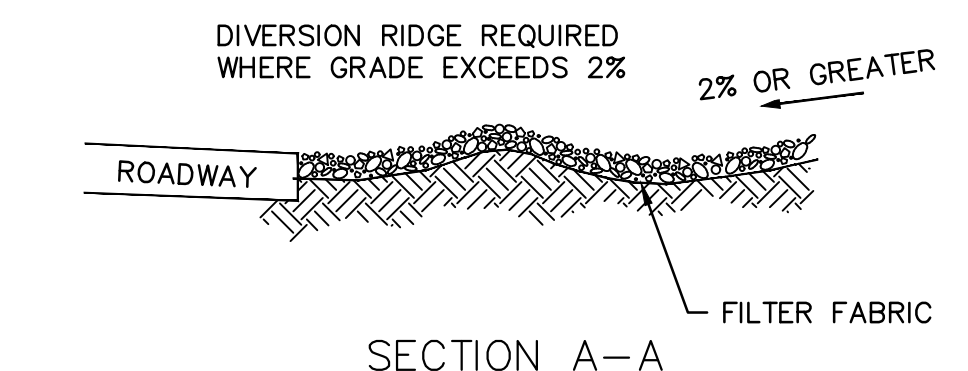
CROSS SECTION TRAPEZOIDAL DITCH

APPROVED DATE: 07/2010

TEMPORARY WATTLE CHECK DAM WITH MATTING AND OPTIONAL PAM  
N.T.S.



DOWN SLOPE STAKE  
UPSLOPE STAKE  
PAM (1 OZ.)  
VARIES  
2" MIN.  
6" MIN.



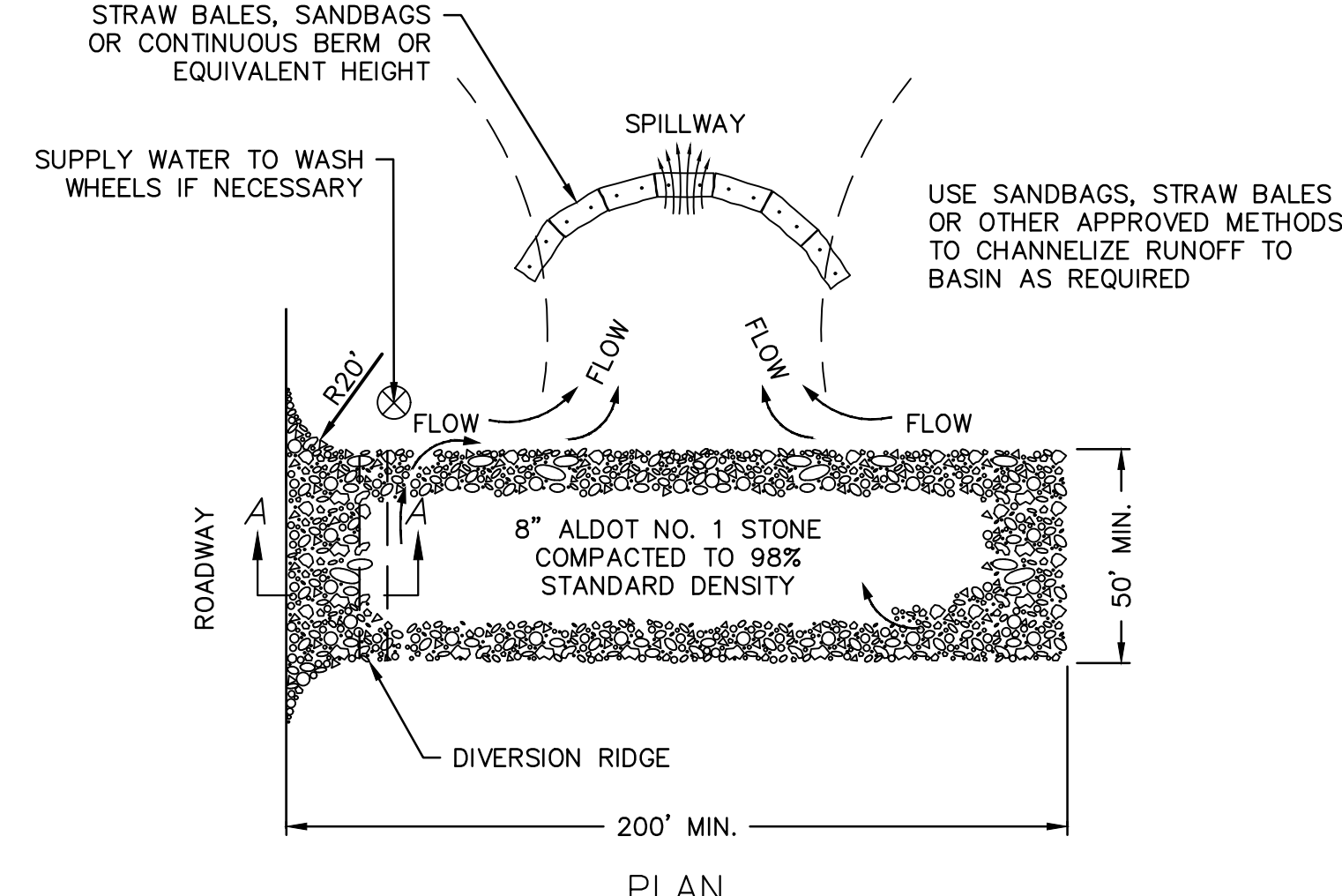
SECTION A-A

ZONE 2		
Autauga	Greene	Russell
Bibb	Hale	Sumter
Bullock	Lee	Tallapoosa
Chambers	Lowndes	Tuscaloosa
Chilton	Macon	Wilcox
Choctaw	Marengo	
Coosa	Montgomery	
Dallas	Perry	
Elmore	Pickens	

TEMPORARY SEEDING	
September through December	
Annual Ryegrass	25 pounds per acre
Kentucky 31 Fescue	30 pounds per acre
Reseeding Crimson Clover	10 pounds per acre
January through April 15	
Kentucky 31 Fescue	30 pounds per acre
Reseeding Crimson Clover	30 pounds per acre
Annual Ryegrass	15 pounds per acre
April 16 through August	
Brown Top Millet	30 pounds per acre
Kentucky 31 Fescue	30 pounds per acre
Hulled Bermuda Grass	10 pounds per acre

ZONE 2 - AREAS SUBJECT TO FREQUENT MOWING REQUIRED POUNDS PER ACRE OF PURE LIVE SEED				
Date of Planting	Aug. 16 to Feb. 29	Mar. 1 to Apr. 15	Apr. 16 to Aug. 15	
Annual Ryegrass	10 {11}	25 {28}		
Hulled Bermudagrass		18 {20}	24 {27}	
Unhulled Bermudagrass	30 {34}	12 {13}		
Annual Lespedeza (Kobe)			38 {43}	
White Dutch Clover	5 {6}	6 {7}		
Notes	1	2		
Required Permanent Plant	Bermudagrass			

1. During this season Ryegrass, Bermudagrass and Clover are required where vegetation must be established within an area no further than 15 feet from the edge of mainline pavement.  
(This is usually required for short duration work that is done on pavement resurfacing projects.)  
2. Annual Ryegrass is required where vegetation must be established within an area that extends further than 15 feet from the edge of mainline pavement. Seeding in Stubble for the establishment of permanent vegetation is required during the following month of March.



- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT F ANY MEASURES USED TO TRAP SEDIMENT.
  - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION  
ENTRANCE/EXIT PAD  
N.T.S.

**GMC**

2660 East Chase Lane, Suite 200  
Montgomery, AL 36117  
T 334.271.3200

1" = 5' 0"

ISSUE	DATE
FINAL	05.30.2025
APPENDIX NO. 1	06.26.2025

WHITEROCK & HUGULEY RD  
WATER IMPROVEMENTS  
RUSSELL COUNTY WATER AUTHORITY  
RUSSELL COUNTY, ALABAMA

DWSRF# FS010042-03  
GMC# CMGM23-0045(4)

EROSION CONTROL  
DETAILS  
C-905

DRAWN BY: JSB  
DESIGNED BY: JSB  
CHECKED BY: JDL

**ALABAMA**  
LICENSED  
PROFESSIONAL  
ENGINEER  
No. 30839  
WHEELER CROOK, IV

DRAWING FILE: T:\Projects\Alabama\Russell County Water Authority\23-0045\DWG\PLANS\01\BASE\01\BASE.C-905-006-DETAILS.dwg  
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