

00 91 01 ADDENDUM #2

Owner: Cobb County-Marietta Water Authority
Project: Blackjack Mountain 36-inch Pipeline Replacement
Project No.: 505-9005-30-19-0000/CBR18759
Addendum No. 2
Addendum Date: April 24, 2020

The following additions, deletions, modifications, or clarifications shall be made to the appropriate portions of the Contract Documents. Offerors must acknowledge receipt of this Addendum in the space provided on the Bid Form.

ARTICLE 1 – ADDENDUM

- 1.01 Amend the Contract Documents
 - A. Make the additions, modifications, or deletions to the Contract Documents described in this Addendum.
- 1.02 Acknowledge Addenda
 - A. Acknowledge receipt of this Addendum in the Bid Form submitted for this Project. Failure to acknowledge receipt of this addendum in the Bid Form may render the Bid as non-responsive and serve as the basis for rejecting the Bid.

ARTICLE 2 – BID REQUIREMENTS

- 2.01 Sealed Bids will be received by the Cobb County-Marietta Water Authority at 1170 Atlanta Industrial Drive, Marietta, Georgia 30066 until 11:00 AM, local prevailing time on Tuesday, May 5th, 2020 for the Project known as: BLACKJACK MOUNTAIN, 36-INCH PIPELINE REPLACEMENT.
- 2.02 Due to the ongoing COVID-19 epidemic, Cobb County-Marietta Water Authority's (CCMWA) mail service has been discontinued at their office, and they have limited admin staff working at this time. In order to ensure that everyone's bid package is received by the due date, CCMWA requires all bid packages to be hand delivered on 5/4 from 1PM-5PM EST or 5/5 from 8AM-11AM EST.
- 2.03 Section 00 41 13 "Bid Form"
- A. Delete the "Bid Proposal" form included in Section 00 41 13, Bid Form, as well as in Addendum 1, and replace it with the attached, new "Bid Proposal" form included with this Addendum. Submit only the revised form with the Bid.

ARTICLE 3 – SPECIFICATIONS

- 3.01 Section 00 11 13 "Advertisement for Bid"
- A. Page 00 11 13-1
1. Revise the bid due date to be "11:00 A.M., local prevailing time on Tuesday, May 5th, 2020"
- 3.02 Section 01 22 00 "Measurement and Payment"
- A. Paragraph 2.61, Page 01 22 00-18
1. Addition: Add item "2.61 Rock Check Dams (Cd)"
- "2.61 ROCK CHECK DAMS (Cd)
- A. Rock check dams will be measured in place and paid for at the unit price bid per each. Stone check dams shall not be utilized where the drainage area exceeds five acres. Check dams shall not be installed in live streams. Stone check dams should be constructed of graded size 2- to 10-inch stone. Payment shall be full compensation for all labor tools, equipment, materials and any incidentals necessary to install, maintain and remove rock check dams. No payment will be made for rock check dams placed without the approval of the Engineer."
- 3.03 Section 01 22 00 "Measurement and Payment"
- A. Paragraph 2.62, Page 01 22 00-18
1. Addition: Add item "2.62 Thermoplastic Pavement Marking – Stop Bars"
- "2.62 THERMOPLASTIC PAVEMENT MARKING – STOP BARS
- A. Pavement marking shall be measured in place and paid by the linear foot. Standard width dimensions for thermoplastic paved stop bars are 24-inches. Pavement marking shall be in accordance with GDOT latest

specifications for thermoplastic markings and shall match pre-construction markings. No separate payment shall be made for temporary markings.”

3.04 Section 01 22 00 “Measurement and Payment”

A. Paragraph 2.63, Page 01 22 00-18

1. Addition: Add item “2.63 Thermoplastic Pavement Marking – Turn Arrows” and move Mobilization to item 2.64.

“2.63 THERMOPLASTIC PAVEMENT MARKING – TURN ARROWS

- A. Pavement marking shall be measured in place and paid per each turn arrow installed. Pavement marking shall be in accordance with GDOT latest specifications for thermoplastic markings and shall match pre-construction markings. No separate payment shall be made for temporary markings.”

3.05 Section 31 11 00 “Site Preparation”

A. Paragraph 3.1 A, Page 31 11 00-1

1. Replace the paragraph with the following:
 - A. “Clear and grub all trees, shrubs, and ground vegetation from the site across the entire extent of the easement. Unless otherwise specified, no stumps should be left in place or above grade within the easement extents. All clearing should be to grade, and all mulch should be removed to allow for contractor’s grassing and owner’s landscaping. These cleared materials shall be removed from the site or burned in accordance with Georgia DOT Specifications and local laws. Pits for burning must be approved by the Engineer.”

3.06 Section 33 11 13 “Water Main Construction”

A. Paragraph 2.6 B, Page 33 11 13-6

1. Modification: Modify the paragraph as shown below.
 - B. " The stem assembly shall be of a telescoping design that allows for variable adjustment length. The material shall be galvanized square steel tubing. The stem assembly shall have a built-in device that prevents the stem assembly from disengaging at its fully extended length. The extension stem must be capable of surviving a torque test to 1000 ft-lb without failure. Where the valve and extension stem are located in a manhole, adjustable stem guides shall be provided at a vertical spacing as recommended by the manufacturer and shall be suitable for installation in a circular manhole. Adjustable stem guides shall be manufactured by Trumbull Industries."

B. Paragraph 3.9 D, Page 33 11 13-15

1. Replace the paragraph with the following:
 - D. “All openings in the pipeline shall be closed with watertight plugs when pipe laying is stopped at the close of the day's work or for other reasons, such as rest breaks or meal periods. Gasketed ductile iron plugs or nipple/cap can be used for watertight plugs. Plastic push-on plugs are NOT acceptable for watertight plugs. Trench dewatering methods (gravel bedding with pumps, etc.) must be used where necessary to maintain a dry ditch during pipe laying operations.”

ARTICLE 4 – DRAWINGS

4.01 Sheet C-13 – Segment A – STA 150+00 to STA 162+50

- A. Modification: Modify Note 3 to read, “Contractor shall field verify location of existing irrigation pipes (STA 162+00 to 186+00) and replace any damaged during construction at no additional cost to the owner.”

4.02 Sheet C-14 – Segment A – STA 162+50 to STA 175+00

- A. Modification: Modify Note 3 to read, “Contractor shall field verify location of existing irrigation pipes (STA 162+00 to 186+00) and replace any damaged during construction at no additional cost to the owner.”

4.03 Sheet C-15 – Segment A – STA 175+00 to STA 187+50

- A. Modification: Modify Note 3 to read, “Contractor shall field verify location of existing irrigation pipes (STA 162+00 to 186+00) and replace any damaged during construction at no additional cost to the owner.”

4.04 Replace the following Drawings:

Drawing No.	Drawing Title
G-8	EASEMENT DATA
G-9	EASEMENT DATA
CD-1	CONNECTION DETAILS I
CD-4	SEGMENT A - CONNECTION DETAILS IV
CD-9	SEGMENT B - BONNIE DELL METER REPLACEMENT DETAIL

4.05 Add the followings Drawings

Drawing No.	Drawing Title
D-9	DETAILS IX

ARTICLE 5 – APPENDICES

Not Used.

ARTICLE 6 – BIDDER QUESTIONS AND CLARIFICATIONS

6.01 Question: 1. Reference 01 21 16, 2.4 A and 01 22 00, 2.1 C. Both of these sections address existing utility conflicts in different ways. Are adjustments, whether the existing utility or the proposed pipeline due to an existing utility paid for or are they incidental?

2. Can you provide contractors with the .kmz file used at the prebid?

3. Can you clarify the requirements related to Section 01 21 13, 2.5A. and 01 35 13-5 1.19 A? Under 1.19A, Is there a difference if it is an existing easement or a proposed easement as called out on the plans? If yes, Does that change the way it is paid? Are fences and irrigation part of landscaping? Generally, the way these sections are interpreted is we lay the pipe thru, grade back, seed and mulch and pour hard surfaces back and turn it over. Is this correct? Is sod handled by the CCMWA? Does this apply to the golf course? Since it is very difficult to access some of the private areas of the pipeline it would be impossible for the contractor to determine landscape replacement cost prior to bidding. Are there any incidental items that the contractor is required to pay for, that won't be covered in the landscape allowance?

4. Reference Plan sheet G-1, tree protection note # 3. Are there any trees that have to be free bored under? I am not sure a 48" free bore can be completed successfully in some of the existing soil conditions.

5. Would it be possible to extend the bid date out a minimum of one week due to travel restrictions we are facing and difficulties meeting at the site?

Answer: 1. The allowance in section 01 21 16 2.3, A. specifically addresses the relocation of utilities and will require the approval of the Owner. 01 22 00 2.1. C. states that no additional payment will be provided where extra depth is incurred on the water main due to utility conflicts. 2. .kmz will be posted to the CivCast portal. Please note these are to be used as reference only. 3. Section 01 21 16 2.5 A. refers to the landscaping work specifically required to coordinate replacement of driveway as noted in the plans. Section 01 35 13 1.19 A. requires contractors to only install permanent grassing within the pipeline easement. CCMWA will compensate property owners for all other landscaping, fencing, sod and sheds on private property. Contractor will need to field verify existing irrigation pipes and replace any irrigation piping damaged during construction at no additional cost to the owner. 4. No trees are to be free bored under. The entire easement area is to be cleared. 5. Bid date will be extended per this Addendum.

6.02	Question:	Is there an updated list of easement stipulations?
	Answer:	An updated list of easement stipulations will be included in the contract addenda.
6.03	Question:	Will property owners be compensated for sod replacement by the Water Authority as a part of the easement negotiations? If sod replacement is not a part of the easement compensation, will a square yard unit price bid item be added to the contract?
	Answer:	Refer to Addendum 1, Item 3.06. All other landscaping that is not part of the easement agreement compensation will be paid for under the Landscaping Allowance in specification section 01 21 16 2.5. A.
6.04	Question:	Will property owners be compensated for fence replacement by the Water Authority as a part of the easement negotiations? If fence replacement is not a part of the easement compensation, will a linear foot unit price for each type of fence removed replaced be added to the contract? Will temporary fences be required where existing fences are removed for clearing installation of the water main? If temporary fences are required, will a linear foot unit price for temporary fences be added to the contract?
	Answer:	CCMWA will compensate landowners for all fencing re-installation. All other permanent fencing that is not part of the easement agreement compensation will be paid for under the Landscaping Allowance in specification section 01 21 16 2.5. A. Temporary fencing will be required.
6.05	Question:	Will a square yard unit price for concrete driveway replacement be added to the contract? Will a unit price for replacement of driveway pavers be added to the contract?
	Answer:	Yes, please reference addendum 1 for further clarification.
6.06	Question:	What type of PCCP adapter will be required at the proposed connection at Station 82+17?
	Answer:	PCCP to DIP adapter to be supplied by Owner. Contractor should include cost of all labor, tools, equipment, etc. in bid proposal for installation and backfill of owner-supplied PCCP adapter and grout diaper.
6.07	Question:	What is the required wall thickness of the proposed 48-Inch Steel Casing?
	Answer:	The 48-inch steel casing will require 0.5" wall thickness. Refer to Sheet D-8, Detail 303.
6.08	Question:	Can a unit price line item for clearing be added to the contract since the clearing will be completed in advance of the pipeline installation?
	Answer:	No, this cost will be included in the pipe installation price.
6.09	Question:	Will 8-Inch, 12-Inch 30-Inch Grip Gaskets be used in lieu of regular slip joint gaskets for all 8, 12 30-Inch pipe joints?
	Answer:	Refer to specification section 33 11 13 2.2.E. DIP water main smaller than 20" may be restrained by Fast-Grip gaskets inserted in Push-On joints.

- 6.10 Question: What locations will, "Asphalt Pavement Replacement Without Overlay" be used?
 Answer: Detail 105 "Asphalt Pavement Replacement Without Overlay" on Sheet D-2 is an option for temporary paving as listed in Specification Section 01 22 00 "Measurement and Pavement" sub-paragraph 2.59 A.
- 6.11 Question: Will the concrete specified in, "City of Marietta Utility Trench Repair Detail" be required? If not, will 8" of 19 mm Superpave be used?
 Answer: Per addendum #1, the City of Marietta Trench Repair Detail is to be deleted. For paving replacement inside the City of Marietta limits, please refer to detail 114 on sheet D-2.
- 6.12 Question: Sheet CD-4, is the line section between Station 1+09 1+27 8-Inch or 12-Inch DIP?
 Answer: The line section between Station 1+09 and 1+27 on CD-4 is 12-inch DIP.
- 6.13 Question: In our bid documents, Page 459 was locked would not print. Can you send a printable copy of page 459?
 Answer: An unlocked copy of the page will be provided through the CivCast portal.
- 6.14 Question: 1. Please provide As-built Drawings of the existing 30" PCCP Water Main.
 Answer: FNI will upload the as-built drawings in the CivCast Portal. Drawings uploaded shall be used for reference only.
- 6.15 Question: Specifications state work within Indian Hills Golf Course must be performed Jan-Feb, Drawings state work can be performed in this area from November to February. Please clarify which is correct. Also, can both sections within the Golf Course be constructed during the November to February time frame of the same year?
 Answer: This item has been addressed in Addendum 1. The Contractor can perform both installations within the Golf Course during this time frame in the same year.
- 6.16 Question: Under Section 01 31 13, paragraph 1.2, part A, states the existing 30" to be taken out in sections. Please specify which sections can be removed from service at the same time. It also states if CCMWA instructs you to put the line back in service, you are to work 24 hours a day until tied back together. How is the Contractor compensated for this work?
 Answer: Based on previous experience, test shutdowns, and hydraulic modeling, all sections of the existing 30" can be taken out of service at the same time. CCMWA may choose to leave sections not being affected by contractor's work in service for added system redundancy, until contractor requests that it be taken out of service for replacement. Compensation for placing the pipeline into service under an emergency would be negotiated under the Allowance for Force Account Work

6.17 Question: The Measurement and Payment states that the Landscape Allowance pays for brick pavers on driveways, but not for landscaping on private easements. Drawing Sheet G-1, Workmanship Note 9 states otherwise. Please confirm which is correct. During the pre-bid conference it was discussed that all landscaping, shrubs, sod etc. would be the property owner's responsibility. Please confirm that is correct and does that include fencing, both permanent and temporary?

Answer: The first statement is correct. Direct compensation from CCMWA to property owners will cover all landscaping including sod and fencing within the permanent easement. Use of landscape allowance is for stamped or bricked driveway aprons and any additional landscaping work as directed by the Owner.

6.18 Question: Specification Section Water Main Construction 33 11 13.13, 3.6.A states all trenches to be backfilled at the end of each day. Please clarify if this means removal of trench boxes at the end of each day and backfilling or can the trench boxes remain in place with temp fencing?

Answer: This does not require removal of trench boxes at end of each day. Trench boxes can remain in place with temporary fencing and other necessary safety measures.

6.19 Question: Drawing Sheet G-1, Tree Protection Notes, 3. States free boring root systems of significant trees. How will the contractor be compensated for the free bores?

Answer: No trees are anticipated be free bored. The entire easement area is to be cleared.

6.20 Question: Please clarify how the Contractor will be compensated for concrete driveway replacement.

Answer: Bid item was added per Addendum #1.

6.21 Question: Drawing Sheet C-20, the existing ground in the profile is not shown.

Answer: This item has been addressed in Addendum 1.

6.22 Question: There is not a pay item for rock check dams (Cd). How is the Contractor to be compensated for these?

Answer: A line item will be added to the bid form to include payment for check dams.

6.23 Question: Is it the Contractor's responsibility to remove existing sheds, storage building, playgrounds etc. during the Clearing and Grubbing or will the property owners remove these prior to the clearing starting? If the Contractor removes are any of these to be salvaged or relocated? Please clarify.

Answer: Refer to clarified section in Addendum #1. Owners are being compensated for buildings, except where noted on the plans or easement table. Contractor to remove and dispose of those paid for. Certain encroachments are permitted as noted on easement table and plans.

6.24 Question: Specification Section 33 11 13-19, 3.14 A, please clarify the intent of the cleaning of the pipe with high pressure water jets as well as the inspection of the entire line as cleaning is performed

Answer: Section 33 11 13 3.14.A requires the contractor to adequately keep the pipe free of mud, sand gravel, etc. as the pipe is installed. Failure to keep the pipe clean will then require the contractor to pressure wash the line and perform a CCTV inspection. Flushing and inspection of the line is not required if the pipe remains clean and free of dirt, mud ,etc. during installation and the line is plugged/capped at the end of each construction day.

6.25 Question: Drawing Sheet C-5, STA 53+00, would consideration be given to extending the bore past the existing storm drain that is on the shoulder of Roswell Rd to STA 53+25?

Answer: This item has been addressed in Addendum 1.

6.26 Question: How will the Contractor be compensated for rock encountered below the existing 30" water main along the in the ditch replacement sections? How is the Contractor to determine this quantity?

Answer: Refer to specification sections 01 22 00 2.1. B. and 33 11 13 3.8.A. All rock excavation is unclassified and shall be included in the unit bid price for water main.

6.27 Question: Please confirm that the repair of irrigation systems will be paid through the Landscape Allowance or is the property owner's responsibility through the easement agreement.

Answer: This item has been addressed in Addendum 1.

6.28 Question: Sheet D-2, Detail 330 references Detail 430, but I do not see it. Can you provide detail 430?

Answer: Refer to Sheet D-2, details 105 and 114 for backfill requirements under paved areas.

6.29 Question: Will the traffic signal and loop modifications at Merritt Rd and Barnes Mill road be paid for under the allowance or is this work considered incidental?

Answer: This work is considered incidental to pipe installation.

6.30 Question: Reference Sheet D-4. Under STS type. Can you clarify what the abbreviations GV, AV etc. stand for?

Answer: Except for those noted "GROUND", all CTS' are to be installed in manhole structures at the applicable appurtenance (GV - Gate Valve, AV - Air Release Valve, BO - Blow-Off Valve, BFV-Butterfly Valve). Refer to "Cathodic Test Station in Manhole" detail.

6.31 Question: Reference Measurement and Payment spec sections 01 22 00 ---- 2.4, 2.5, 2.6. Can you clarify if spacers are incidental to items 2.4 and 2.5 or are they paid for under item 2.6?

Answer: Casing spacers will be paid for under item 2.6.

6.32 Question: Can you confirm the type of existing pipe at the tie in at station 244+03? Can you provide any supplier or manufacturer data of the Prestressed Concrete Pipe that will be tied into?

Answer: The connection at station 244+03 is will be to DIP. Should PCCP be required for connections, the Owner maintains inventory of all necessary adapters (whether bell-end or spigot-end) and will supply adapter and grout joint diaper to be used. (contractor to include cost of installation of adapter and diaper in his bid.)

6.33 Question: Reference Spec Section 01 22 00 --- 2.24 and bid item # 56. Is the Flowable fill paid for by the LF or by the CY?

Answer: This has been addressed in addendum 1.

6.34 Question: Reference Sheet C-4 station 49+50 and CD-2. Sheet C-4 shows the 36" main to be approximately 14' deep while sheet CD-4 shows it to be about 27' deep. Can you provide information to clarify this?

Answer: This item has been addressed in Addendum 1.

6.35 Question: Does the Owner intend to charge the Contractor for all costs over 40 hours per week for support services, inspection services, testing services, utilities or other applicable costs as it says in 6.02.D of the Contract documents?

Answer: Yes. Refer to both sections 6.02 C. and D. of the general conditions.

6.36 Question: Is the intent of 6.14.A of the Contract to have a full time safety representative onsite that has no other responsibilities other than safety?

Answer: The contractor is responsible for construction site safety and should provide safety rep as deemed necessary by the contractor.

6.37 Question: Is the BOV @ STA 87+25 of segment A supposed to be a Double MH, Single MH, or just use 2 valve boxes?

Answer: The blow-off valve at STA 87+25 on Segment A is two valve boxes. Georgia Power Company would not permit the use of manhole(s) at this location.

6.38 Question: Confirm both 36-inch tees are needed in segment A @ STA 142+89 and 142+93

Answer: Confirmed. These are for possible future water system expansion projects.

6.39 Question: Note 3 on sheet C-13 thru C-15 say contractor is responsible for replacing irrigation piping if damaged. Does this get paid for under the County Allowance items?

Answer: This note applies to irrigation piping encountered within the Indian Hill Country Club property (Station 162+00 to 186+00). Any irrigation piping damaged during construction shall be replaced at no additional cost to the Owner.

6.40 Question: Is the additional components @ STA 164+18 on segment A in the plan view in addition to the components called out in a "single MH" BOV detail setup?

Answer: A blowoff valve manhole detail will be provided in the contract addenda.

- 6.41 Question: What does the note in the plan view on sheet C-16 entail? Does this mean contractor to negotiate with homeowner with what is to be replaced and when it is to be replaced? Will County include pay item for "Concrete Driveway Replacement" or include in County Allowance?
- Answer: Concrete driveway is to be replaced in its entirety and paid for through pay item added by addendum 1.
- 6.42 Question: In the virtual pre-bid it was said that the Owners intention for the Contractor was only to seed back areas for vegetative cover purposes and not perform any landscaping. How will all fencing, landscaping, hard-scaping, tree replacement, bush replacement, removal of temporary structures, putting back of structures, irrigation replacement, and temporary fencing be paid for and completed?
- Answer: Refer to clarified section in addendum 1.
- 6.43 Question: Please provide a paving detail for the Golf Cart Path paving and parking lot paving.
- Answer: Please refer to detail 470 on sheet D-7 for asphalt replacement of the golf cart path and parking lot.
- 6.44 Question: There are no pay items for stop bars and turn arrows for pavement markings. How will the Contractor be compensated for these.
- Answer: These items will be added to the contract in the addenda.
- 6.45 Question: On the ARV fittings, the detail appears to show a 36x36 Tee with plug and threaded piece. One of our suppliers who has supplied Cobb-M jobs in the past said they have supplied 36x12 FLG tee's. Is this acceptable or do we need to bid the detail?
- Answer: A 36x12 tee will not be acceptable. The Owner prefers to use the 36x36 tee as shown on plans.
- 6.46 Question: Addendum stated that the Contractor is responsible for irrigation repair within the Indian Hills Golf Club. How is the Contractor to know the location, size and material type of the existing system? Please clarify.
- Answer: Contractor to coordinate with Indian Hills Country Club maintenance staff to have irrigation lines located. IHCC indicated that the lines are locatable.
- 6.47 Question: Several QA answers with Addendum 01 indicate that the cost of "sod" will be paid for within the Landscape Allowance. Does that include the sod necessary to restore the Golf Course?
- Answer: No. Refer to the easement agreement provided in the contract documents for IHCC. CCMWA will reimburse IHCC for the replacement of sod.
- 6.48 Question: If the native material beneath paved roads is deemed unsuitable to be used as select material and provide the compaction requirements shown with Detail 105 on sheet D-2, will the contractor be paid to bring in suitable material within the Force Account Allowance?

Answer: Please refer to specification section 33 11 13, 2.20 and 3.10.F. If existing material is deemed unsuitable the contractor does have the option to stockpile suitable material that is too wet for immediate backfill and allow material to dry. The contractor will be responsible for using suitable backfill material in the trench and will not be paid to bring in additional material.

6.49 Question: Are there any restrictions to where water for testing can be obtained? Is there a cost to the contractor for meters, taps, water etc, for water used for pressure testing?

Answer: Water for testing will be from proposed CCMWA connection points on the plans. There will be no charge for water used in the initial filling/flushing, pressure testing, and disinfection. However, if pressure testing fails or it is determined that sediment and debris will require excessive flushing, Contractor will be responsible for the cost of all water associated with additional draining, filling, flushing, testing, and disinfecting.

6.50 Question: Reference Pay Items 45, 46 and 47 and the associated measurement and payment description 2.17, 2.18, and 2.19. Can you clarify if the intent is to remove the existing top and replace the existing top(with the removed top) or to remove the existing top and install a new top?

Answer: The intent for each vault in each referenced pay item is to remove the existing top slab and replace with a new top slab.

6.51 Question: Should the unit for Bid item # 52 be by the VF?

Answer: Correct. Item #52 should be by the VF.

6.52 Question: Can you elaborate on how items are paid for the BOV detail on sheet D-6? Flanged fittings, stone, valves, concrete etc.

Answer: Fittings, stone, valves and concrete shall all be paid separately under their respective line items in the bid form.

6.53 Question: There was a previous question asked about accessing the project thru the apartments. Can the restricted access be reviewed again and elaborated on between stations 40+00 and 51+00? It would be next to impossible if you have to bring all of the materials up the slope at station 39+00.

Answer: From Station 37+50 to 50+00 the contractor will need to notify/coordinate with the apartment property owners of the access from Roswell Road if deemed necessary. Access has not been coordinated or granted by the apartment property owners.

6.54 Question: Do the 9 am to 4 pm restrictions apply to work hours (per 01 11 00-2 3.1 B.1) if the road is completely closed and detoured?

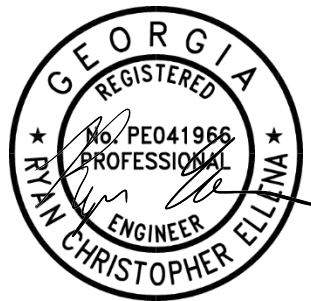
Answer: No.

6.55 Question: In comparing quantities listed in the bid proposal with the quantities shown on the plans, we have found that the plans reflect less quantities than the bid proposal for several items: 4. Water Mains 36" DIP Zinc Coated PC 200 Bid Quantity 6,850 LF Sheet G-6 indicates that PC 200 DIP is to be installed from Station 1+00 to 8+00 Sheet G-7 indicates that PC 200 DIP is to be installed

from Station 1+00 to 15+11, 23+09 to 36+00 & 48+00 to 78+55. These sections total 6,457 LF. Can the bid quantity be adjusted downward to match the quantities shown on the plans? 5. Water Mains 36" DIP Zinc Coated PC 250 Bid Quantity 26,260 LF Sheet G-6 indicates that PC 250 DIP is to be installed from Station 8+00 to 244+03 Sheet G-7 indicates that PC 250 DIP is to be installed from Station 36+00 to 48+00 These sections total 24,803 LF. Can the bid quantity be adjusted downward to match the quantities shown on the plans? 9. Restrained Joints / Manufactures Pipe Restraint 36" Bid Quantity 440 EA The profile view of the plan sheets indicates a total of 5,540 LF of restrained joint pipe. This total equals approximately 277 restrained joints. Can the bid quantity be adjusted downward to match the length shown on the plans?

Answer: Please refer to the latest bid form provided with this addendum. Quantities are as provided in the form.

END OF ADDENDUM NO. 2



4/24/20

**COBB COUNTY-MARIETTA WATER AUTHORITY
BLACKJACK MOUNTAIN, 36-INCH PIPELINE REPLACEMENT
BID PROPOSAL**

ITEM NO.	M&P ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE BID	EXTENDED AMOUNT
UNIT PRICE ITEMS						
1	2.1	Water Mains 8" DIP, Zinc Coated, PC 350	530	LF	\$	\$
2	2.1	Water Mains 12" DIP, Zinc Coated, PC 350	650	LF	\$	\$
3	2.1	Water Mains 30" DIP, Zinc Coated, PC 200	430	LF	\$	\$
4	2.1	Water Mains 36" DIP, Zinc Coated, PC 200	6,850	LF	\$	\$
5	2.1	Water Mains 36" DIP, Zinc Coated, PC 250	26,260	LF	\$	\$
6	2.2	Restrained Joints / Manufacturer's Pipe Gasket 8"	54	EA	\$	\$
7	2.2	Restrained Joints / Manufacturer's Pipe Gasket 12"	40	EA	\$	\$
8	2.2	Restrained Joints / Manufacturer's Pipe Restraint 30"	30	EA	\$	\$
9	2.2	Restrained Joints / Manufacturer's Pipe Restraint 36"	440	EA	\$	\$
10	2.2	MJ Fitting, Retainer Gland 8"	200	EA	\$	\$
11	2.2	MJ Fitting, Retainer Gland 12"	90	EA	\$	\$
12	2.2	MJ Fitting, Retainer Gland 30"	30	EA	\$	\$
13	2.2	MJ Fitting, Retainer Gland 36"	280	EA	\$	\$
14	2.3	Ductile Iron Fittings, Zinc Coated	317,000	LB	\$	\$
15	2.4	48" Steel Casing Pipe - Open Cut	250	LF	\$	\$
16	2.5	48" Steel Casing Pipe - Jack & Bore	300	LF	\$	\$
17	2.6	Casing Spacers for 36" DIP	70	EA	\$	\$
18	2.7	Valves 8" Gate Valve, MJ x MJ	12	EA	\$	\$
19	2.7	Valves 12" Gate Valve, MJ x MJ	14	EA	\$	\$
20	2.7	Valves 36" Gate Valve, MJ x MJ	10	EA	\$	\$
21	2.7	Valves 8" Butterfly Valve, MJ x MJ	10	EA	\$	\$
22	2.7	Valves 12" Butterfly Valve, MJ x MJ	5	EA	\$	\$
23	2.7	Valves 30" Butterfly Valve, MJ x MJ	1	EA	\$	\$
24	2.8	Pipe Outlets 4" Flanged Radial Welded-on Outlet on 36" DIP	20	EA	\$	\$
25	2.9	Sample Test Connection	28	EA	\$	\$
26	2.10	6" Air & Vacuum Valve (AVV and Isolation Gate Valve)	22	EA	\$	\$
27	2.11	Valve Markers	15	EA	\$	\$

ITEM NO.	M&P ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE BID	EXTENDED AMOUNT
28	2.12	Valve Boxes	15	EA	\$	\$
29	2.13	Polyethylene Encasement, 8" Double Encasement	530	LF	\$	\$
30	2.13	Polyethylene Encasement, 12" Double Encasement	650	LF	\$	\$
31	2.13	Polyethylene Encasement, 30" Double Encasement	430	LF	\$	\$
32	2.13	Polyethylene Encasement, 36" Double Encasement	33,110	LF	\$	\$
33	2.14	Bonded Joints, Two Cables Each	2,800	EA	\$	\$
34	2.15	Cathodic Test Station	50	EA	\$	\$
35	2.16	8" Marietta Water Connection (Segment A STA 49+50)	1	LS	\$	\$
36	2.16	12" CCWS Connection (Segment A STA 54+50)	1	LS	\$	\$
37	2.16	8" CCWS Connection (Segment A STA 92+68)	1	LS	\$	\$
38	2.16	8" CCWS Connection (Segment A STA 142+05)	1	LS	\$	\$
39	2.16	30" CCMWA Connection Segment A STA 244+03)	1	LS	\$	\$
40	2.16	30" CCMWA Connection (Segment B STA 1+00)	1	LS	\$	\$
41	2.16	30" CCMWA Connection (Segment B STA 15+11)	1	LS	\$	\$
42	2.16	30" CCMWA Connection (Segment B STA 22+48)	1	LS	\$	\$
43	2.16	8" Marietta Water Connection (Segment B STA 23+79)	1	LS	\$	\$
44	2.16	30" CCMWA Connection (Segment B STA 82+17)	1	LS	\$	\$
45	2.17	Blackjack Ground Storage Tank Control Valve and Vault (Segment B STA 78+75)	1	LS	\$	\$
46	2.18	Barnes Mill Meter Replacement (Segment B STA 1+00)	1	LS	\$	\$
47	2.19	Bonnie Dell Meter Replacement (Segment B STA 23+80)	1	LS	\$	\$
48	2.20	Marker Ball Locator Instrument	2	EA	\$	\$
49	2.21	Marker Ball Installation on Existing Water Main to be Abandoned	170	EA	\$	\$
50	2.22	Marker Ball Installation on New Water Main	780	EA	\$	\$
51	2.23	Concrete Manhole Assembly, 4' Diameter (Double MH BOV and CCWS/Marietta Connections)	12	EA	\$	\$
52	2.23	Concrete Manhole Assembly, Extra Payment for Sections Exceeding Ten VF, 4' Diameter	6	VF	\$	\$
53	2.23	Concrete Manhole Assembly, 6' Diameter (6" Air & Vacuum Valve and Single MH BOV)	33	EA	\$	\$
54	2.23	Concrete Manhole Assembly, Extra Payment for Sections Exceeding Ten VF, 6' Diameter	21	VF	\$	\$
55	2.23	Concrete Manhole Assembly, 8' Diameter (Gate Valves and Double BOV @ Golf Course)	11	EA	\$	\$
56	2.23	Concrete Manhole Assembly, Extra Payment for Sections Exceeding Ten VF, 8' Diameter	19	VF	\$	\$
57	2.24	Flowable Fill Encasement	500	CY	\$	\$
58	2.25	Pipe Bedding and Subgrade Stabilizer Stone	26,000	TON	\$	\$

ITEM NO.	M&P ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE BID	EXTENDED AMOUNT
59	2.26	Miscellaneous Concrete	175	CY	\$	\$
60	2.27	Miscellaneous Reinforcing Steel	5,000	LB	\$	\$
61	2.28	Tree Save Fence	49,000	LF	\$	\$
62	2.29	Temporary Silt Fence (Sd1-S)	14,000	LF	\$	\$
63	2.29	Temporary Silt Fence (Sd1-Ns)	40,000	LF	\$	\$
64	2.30	Hay Bale Barrier	100	EA	\$	\$
65	2.31	Rip-Rap (12" Thick, Type 1) for Blow-Off Valve Aprons	500	SY	\$	\$
66	2.32	Construction Exit (Co)	30	EA	\$	\$
67	2.33	Straw Mulch Stabilization (Ds1)	180,000	SY	\$	\$
68	2.34	Grassing, Temporary (Ds2)	180,000	SY	\$	\$
69	2.34	Grassing, Permanent (Ds3)	180,000	SY	\$	\$
70	2.35	Erosion Control Matting and Blankets (Sb)	1,000	SY	\$	\$
71	2.36	Inlet Sediment Trap (Sd2)	50	EA	\$	\$
72	2.37	Turbidity Curtain (Tc)	3	EA	\$	\$
73	2.38	NPDES Permit Compliance	1	LS	\$	\$
74	2.39	Remove & Replace Asphalt Golf Cart Path	2,270	SY	\$	\$
75	2.39	Remove & Replace Asphalt Driveways and Parking Lots	5,600	SY	\$	\$
76	2.40	Remove & Replace Gravel Driveways and Parking Lots	160	SY	\$	\$
77	2.40	Installation of BOV Access Gravel Driveways	2,720	SY	\$	\$
78	2.41	Remove & Replace Concrete Sidewalks (4" Thick)	1,300	SY	\$	\$
79	2.42	Remove & Replace Concrete Curb and Gutter	14,000	LF	\$	\$
80	2.43	Paving 1.5 inches of GDOT 12.5 mm Superpave	24,600	SY	\$	\$
81	2.44	Paving 1.5 inches of GDOT 9.5 mm Superpave	11,670	SY	\$	\$
82	2.45	Paving Subgrade 12" GDOT GAB	12,260	SY	\$	\$
83	2.45	Paving 8" of 19 mm GDOT Superpave	12,260	SY	\$	\$
84	2.46	Asphalt Pavement Milling (1.5" Depth)	36,270	SY	\$	\$
85	2.47	Thermoplastic Pavement Marking 6" Skip (2:6) White or Yellow	12,260	LF	\$	\$
86	2.47	Thermoplastic Pavement Marking 6" Solid White or Yellow	12,260	LF	\$	\$
87	2.48	Abandon Existing CCMWA Valve Manhole and Valves	15	EA	\$	\$
88	2.49	Abandon Existing CCMWA Valve Box and Valves	6	EA	\$	\$
89	2.50	Abandon Existing CCMWA Blowoff Valve	2	EA	\$	\$

ITEM NO.	M&P ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE BID	EXTENDED AMOUNT
90	2.51	Grout Fill Exsiting 30-inch Main within GDOT R/W (STA 51+00 to 53+00)	70	CY	\$	\$
91	2.52	Remove and Dispose of Existing Water Main (PCCP/DIP) and Appurtenances	20,000	LF	\$	\$
92	2.53	Cut and Plug Existing 30" Water Main	52	EA	\$	\$
93	2.54	Remove and Replace Guard Rail	50	LF	\$	\$
94	2.55	Remove and Replace Storm Drain Pipe	120	LF	\$	\$
95	2.56	Remove and Replace Catch Basin/Curb Inlet	4	EA	\$	\$
96	2.57	Project Signs	10	EA	\$	\$
97	2.58	Traffic Control	1	LS	\$	\$
98	2.59	Temporary Paving	1	LS	\$	\$
99	2.60	Remove and Replace Concrete Driveways	2,000	SY	\$	\$
100	2.61	Rock Check Dams	20	EA	\$	\$
101	2.62	Thermoplastic Pavement Marking 24-inch Solid White (Stop Bars)	150	LF	\$	\$
102	2.63	Thermoplastic Pavement Markining Solid White Turn Arrows	5	EA	\$	\$
103	2.64	Mobilization	1	LS	\$	\$
UNIT PRICE SUB-TOTAL (ITEMS 1 THROUGH 103)						

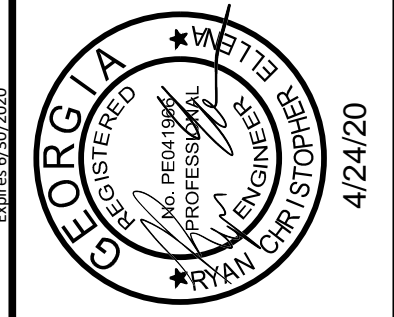
ITEM NO.	M&P ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE BID	EXTENDED AMOUNT
ALLOWANCES						
104	2.1A	Allowance for Force Account Work	1	LS	\$ 2,500,000.00	\$ 2,500,000.00
105	2.2A	Allowance for Materials Testing	1	LS	\$ 200,000.00	\$ 200,000.00
106	2.3A	Allowance for Utility Relocation by Others	1	LS	\$ 200,000.00	\$ 200,000.00
107	2.4A	Allowance for Corrosion Control	1	LS	\$ 100,000.00	\$ 100,000.00
108	2.5A	Allowance for Landscaping	1	LS	\$ 100,000.00	\$ 100,000.00
109	2.6A	Allowance for Traffic Control	1	LS	\$ 100,000.00	\$ 100,000.00
110	2.7A	Allowance for Water Main Disinfection and Dechlorination of Flushing Water	1	LS	\$ 150,000.00	\$ 150,000.00
ALLOWANCE SUB-TOTAL (ITEMS 2.1A THROUGH 2.7A)						\$ 3,350,000.00
TOTAL BASE BID AMOUNT (UNIT PRICE SUB-TOTAL PLUS ALLOWANCE SUB-TOTAL) - Numbered Here (Written in Words Below):						
<hr/> _____ dollars and _____ cents						

ACAD Ref: 23.0s (LMS Tech)
 Filename: N:\W\TU\Drawings\CV-ALL-PROP-DATA.dwg
 Last Saved: 4/24/2020 1:28 PM. Saved By: 02618

TM PARCEL #	OWNER NAME	MAILING/OWNER ADDRESS	STIPULATIONS/NOTES
1	BENTLEY FARM PROP LLLP & JAMES W. BENTLEY JR & SUMMEROUR FARM LLLP	363 SEMINOLE RD. MARIETTA, GA 30060	Easement Exchange - Acquisition Ongoing
2	BENTLEY FARM PROP LLLP & JAMES W. BENTLEY JR & SUMMEROUR FARM LLLP	363 SEMINOLE RD. MARIETTA, GA 30060	
3	SUMMEROUR FARM LLLP	1330 BARNES MILL RD. MARIETTA, GA 30062	Additional Easement Area - Acquisition Ongoing
4	BENTLEY FARM PROP LLLP & JAMES W. BENTLEY JR & SUMMEROUR FARM LLLP	363 SEMINOLE RD. MARIETTA, GA 30060	
5	SUMMEROUR PROPERTIES LLLP	1330 BARNES MILL RD. MARIETTA, GA 30062	Easement Exchange - Acquisition Ongoing
6	GALILEE MISSIONARY BAPTIST CHURCH	2050 BENTLEY LAKE RD. MARIETTA, GA 30062	
7	BRE JEFFERSON EAST COBB OWNER LLC	CHICAGO, IL 60690	
8	BENTLEY FARM PROP LLLP & JAMES W. BENTLEY JR & SUMMEROUR FARM LLLP	363 SEMINOLE RD. MARIETTA, GA 30060	
9	BENTLEY FARM PROP LLLP & JAMES W. BENTLEY JR & REBECCA B. SUMMEROUR	363 SEMINOLE RD. MARIETTA, GA 30060	
10	GA. POWER COMPANY & TAX DEPARTMENT	ATLANTA, GA 30308	
11	SZS HOLDINGS LLC.	1062 MERRIVALE CHASE DR, ROSWELL GA 30075	
12	VICTORIA L BRASFIELD	7 GLEN OAK CT, MEDFORD OR 97504	
13	ARAGON 2012 AZALEA SPRINGS	9595 WILSHIRE BLVD Suite 604, BEVERLY HILLS CA 90212	
14	SOPE CREEK LLC & C/O FSSR	P.O. Box 450233 ATLANTA, GA. 31145	
15	DUCE FAMILY HOLDINGS LLC & ATTN: JULIE PERLSON	1892 WASHINGTON RD. EAST POINT, GA. 30344	
16	DEANNA L. & JOHN C. RADICH	475 GUILFORD CIR. MARIETTA, GA. 30068	
17	MICHAEL L. & LINDA J. FURLONG	477 GUILFORD CIR. MARIETTA, GA. 30068	
18	HANOVER WOODS SWIM & TENNIS ASSOCIATION	P. O. Box 9252 MARIETTA, GA. 30065	
19	F.M. & JIMMIE NELL HARRIS	633 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
20	ROSA A. ARCE & CHARLES E. & MARIA D. NAZARIO	631 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing Shed has been paid for - contractor to remove.
21	HAROLD D. & LAZETTA Z. HANKERSON	629 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
22	DOROTHY P. & WALTER W. WILLIFORD	627 COUNSEL DR. MARIETTA, GA. 30068	Shed has been paid for - contractor to remove.
23	MANUELA GANCHOSO & MANUEL GARCIA	625 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
24	SARAH TABER SZADAJ & NELSON ECK LAMBERT	623 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
25	LINDA T. BECK	621 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing Shed has been paid for - contractor to remove.
26	SARA WITMER	619 COUNSEL DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
27	NO OWNER RECORD		
28	YING ZHOU	2403 MONTCLAIR PARK LN. MARIETTA, GA 30068	
29	JUAN BONILLA	2404 MONTCLAIR PARK LN. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
30	MING LING ZHU	2408 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
31	SHERMAN DAVISON	2412 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
32	SUSAN REYNOLDS	2416 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
33	LAN BANH & DANNY VUONG	2420 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
34	HUA VU TUONG & THOA NGUYN	2424 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
35	COLFIN AL-GA1, LCC	8665 E HARTFORD DR SCOTTSDALE, AZ 85255	
36	MARILYN MOULDS	2432 MONTCLAIR PARK LN. MARIETTA, GA. 30068	
37	ST. CATHERINES EPISCOPAL CHURCH	681 HOLT RD. MARIETTA, GA. 30068	
38	SAMUEL R. BURROUS	580 HOLT RD. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
39	DOMINEQUE, RANDY, & VRANKA SOPHABMIXAY	574 HOLT RD. MARIETTA, GA. 30068	
40	BRIAN THOMAS MALONEY & FAYE SPECTOR MALONEY	2595 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
41	HARRY S. TEAGUE & DEBRA J. BERG	2601 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
42	KERMIT & BEVERLY HALL	2621 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
43	KERMIT REID HALL, SR.	2621 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
44	SARAH & EARL MARTIN, JR.	2635 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
45	C.D. & ANN BROWNLOW	2651 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing
46	DIANA COCHRAN	2681 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing Septic tank and field drain lines to be located prior to construction. Any damage to septic system to be repaired by contractor. Beware of dog.
47	RICHARD J. & JANE G. MCCLOUD	2693 ARROWOOD DR. MARIETTA, GA. 30068	Easement Exchange - Acquisition Ongoing Encroachment Permitted - Do Not Disturb
48	JAMES P. & BARBARA J. GREENE	2785 LAWRENCE MILL RUN MARIETTA, GA 30068	
49	JEFF SOMERS	2660 MARILEE LN. HOUSTON, TX. 77057 2783 LAWRENCE MILL RUN MARIETTA, GA 30068	Encroachment Permitted - Do Not Disturb
50	JONATHAN & JENNIFER STUCKERT	2789 CROWN MILL CT. MARIETTA, GA. 30068	
51	WAYNE G. & BARBARA SUWAY	2788 LAWRENCE MILL RUN MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb Portion of house in easement not to be disturbed. Any concrete that is disturbed to be replaced by contractor.
52	NATHANIEL & AMANDA BURROUGHS	2790 LAWRENCE MILL RUN MARIETTA, GA. 30068	
53	MALLORY D. PERDUE	2791 CROWN MILL CT. MARIETTA, GA. 30068	
54	JONATHAN & AMANDA MCCANTS	2792 LAWRENCE MILL RUN MARIETTA, GA. 30068	
55	BOB & BETSY WOLF	2793 CROWN MILL CT. MARIETTA, GA. 30068	
56	JUDITH K. & ROBERT V. HERRICK	2794 LAWRENCE MILL RUN MARIETTA, GA. 30068	
57	DAWSON A. & TERRI P. HENDERSON	745 HOLYOKE MILL CT. MARIETTA, GA. 30068	
58	DAWSON A. & TERRI P. HENDERSON	745 HOLYOKE MILL CT. MARIETTA, GA. 30068	
59	ANGELA & KEVIN SAUTER	746 HOLYOKE MILL CT. MARIETTA, GA. 30068	
60	DARLENE E. PARKER	747 HOLYOKE MILL CT. MARIETTA, GA. 30068	
61	MATTHEW ROGOWSKI	750 HOLYOKE MILL CT. MARIETTA, GA. 30068	
62	JAMES ROBERT & LENA JAN SEWELL	2822 HITCHCOCK MILL RUN MARIETTA, GA. 30068	

63	TRACI & CRAIG BROWN	2829 HITCHCOCK MILL RUN MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
64	CATHERINE J. BOURN & STEVEN E. BOURN	2831 HITCHCOCK MILL RUN MARIETTA, GA. 30068	
65	NASDA, LLC	571 BARNESDALE DR. MARIETTA, GA. 30068	
66	JASON & MELINDA BATTON	561 BARNESDALE DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
67	JUDY LIMING	6690 CHELSEA GARDENS WAY CUMMING, GA 30040	
68	JOSE A. & SUSANA M. RICARDO	745 MCBURNETTE RD. MARIETTA, GA. 30068	Shed has been paid for - contractor to remove.
69	JAMES H. STEELE, JR. & SUZANNE S. BARNARD	2916 CLEARBROOK DR. MARIETTA, GA. 30068	
70	VAN M. CHERRY & CRYSTAL G. HUMPHREY	511 YORKSHIRE DR. MARIETTA, GA. 30068	Shed has been paid for. Contractor to remove.
71	CHRIS & CATHERINE BERTRAND	2926 CLEARBROOK DR. MARIETTA, GA. 30068	
72	KEVIN VANDERPOOL	521 YORKSHIRE DR. MARIETTA, GA. 30068	
73	YESENIA & JOSE CIBRIAN	2936 CLEARBROOK DR. MARIETTA, GA. 30068	
74	STEPHANIE A. & DANIEL L. KILLEN	531 YORKSHIRE DR. MARIETTA, GA. 30068	
75	WILLIAM D. WHITE	2946 CLEARBROOK DR. MARIETTA, GA. 30068	
76	SHARON S. HALL CYRIL MALIAKAL	541 YORKSHIRE DR. MARIETTA, GA. 30068	
77	JULIO HUGO PENZA RUSO	2956 CLEARBROOK DR. MARIETTA, GA. 30068	
78	PRETIUM MORTGAGE ACQUISITION TRUST	500 DELAWARE AVE, WILMINGTON DE 19801	
79	RONNIE E. & CAROL A. BOYD	2966 CLEARBROOK DR. MARIETTA, GA. 30068	
80	MARY JEAN WRIGHT	P.O. Box 13241 MACON, GA. 31208	
81	ELIZABETH F. & JOSE J. CERVANTES	570 YORKSHIRE DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
82	THOMAS F. KREBSBACH	2998 CLEARBROOK DR. MARIETTA, GA. 30068	(1) Iron pins for property corners must be replaced if disturbed. (2) Owner's dog is in fenced yard. Contractor to relocate/install temporary fencing along easement limit for dog during construction that is suitable to owner.
83	JOSHUA & KELLY McCORKLE MALINEE AND TEERAPON CHALOEISAK	3021 WHITEHURST WAY MARIETTA, GA. 30068	
84	LARA D. HUTSON	3010 CLEARBROOK DR. MARIETTA, GA. 30068	
85	WILLIAM JASON & HEATHER MARIE WISE	3031 WHITEHURST WAY MARIETTA, GA. 30068	
86	JAMES & DOROTHY MARASCO	3020 CLEARBROOK DR. MARIETTA, GA. 30068	
87	ROBERT C. & SALLY SCOT GILES	3030 CLEARBROOK DR. MARIETTA, GA. 30068	
88	GUY & HELEN F. SWIFT	511 WINDGROVE RD. MARIETTA, GA. 30067	
89	ADAM BOOK	11 ARBOR END SE, SMYRNA GA 30080	Shed has been paid for - contractor to remove.
90	DANIEL F. & SHARON P. FRISBIE	525 OLD CANTON RD. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
91	MOON BYUNG HO	1757 BELMONT CREEK POINTE, SUWANEE GA 30024	
92	GEORGE & LORRAINE OSBORNE	3119 GREENFIELD DR. MARIETTA, GA. 30068	
93	ARCHIE R. & CYNTHIA G. CRAIN	3113 GREENFIELD DR. MARIETTA, GA. 30068	
94	MICHAEL E. & JANET L ZOINO	3128 GREENFIELD DR. MARIETTA, GA. 30068	
95	PAUL & LAURA Z. VITT DANIEL & MICHELLE WEST	3112 GREENFIELD DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
96	MICHAEL & PATRICIA OTOOLE	3135 INDIAN HILLS DR. MARIETTA, GA. 30068	
97	CHARLES & JENNIFER WOODS	3136 GREENFIELD DR. MARIETTA, GA. 30068	
98	BRANDON & CARRYN WYRICK	3144 GREENFIELD DR. MARIETTA, GA. 30068	
99	MATTHEW & JESSICA WINTERS	3145 INDIAN HILLS DR. MARIETTA, GA. 30068	
100	CAROLYN B. BARRETT	3152 GREENFIELD DR. MARIETTA, GA. 30068	
101	BONNIE MIN	3155 INDIAN HILLS DR. MARIETTA, GA. 30068	
102	ANNA M. GILL	3164 GREENFIELD DR. MARIETTA, GA. 30068	
103	WENDEL KENT & SUSAN PATRICIA BLUE	3165 INDIAN HILLS DR. MARIETTA, GA. 30068	
104	TRACE A. RADLER	3176 GREENFIELD DR. MARIETTA, GA. 30068	
105	RONALD A. & RHONDA G. LUCADAMO	501 CREEKWOOD DR. MARIETTA, GA. 30068	
106	JODI ALLIS & TODD D. PODHAISKY	3188 GREENFIELD DR. MARIETTA, GA. 30068	
107	ALOK R. & NALINI KATARIA	3200 GREENFIELD DR. MARIETTA, GA. 30068	
108	KRISTIAN JONES & JULIA FLOYD	511 CREEKWOOD DR. MARIETTA, GA. 30068	
109	SAMANTHA J. NICHOLS	3212 GREENFIELD DR. MARIETTA, GA. 30068	
110	JILL CHOATE OZKAN	4550 FIRESTONE DR SE MARIETTA, GA 30067	
111	MONROE B. THROWER III	3224 GREENFIELD DR. MARIETTA, GA. 30068	
112	SCOTT ADAMS	531 CREEKWOOD DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
113	YDL PROPERTIES ATLL 15 LLC	5825 GLENRIDGE DR NE, SANDY SPRINGS GA 30328	
114	JAMES K. & SUSAN C. CHEN	561 CREEKWOOD DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
115	RONALD C. HANSEN	1295 HILTON DR, MARIETTA GA 30062	
116	BOYD P. & SOPHIE T. GUMPERT	570 CREEKWOOD DR. MARIETTA, GA. 30068	
117	ILENE W. BAKER	560 CREEKWOOD DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
118	INDIAN HILLS INC. & C/O FUTREN CORP.	1985 N. PARK PLACE ATLANTA, GA. 30339	Indian Hills Country Club Parcel - See language in Easement Document regarding seasonal restrictions on construction and coordination requirements.
119	JAMES C. & ROBERTA B. VAUGHN BOB & KELLY ROWLEY	525 WEATHERFIELD TERRACE MARIETTA, GA. 30068	

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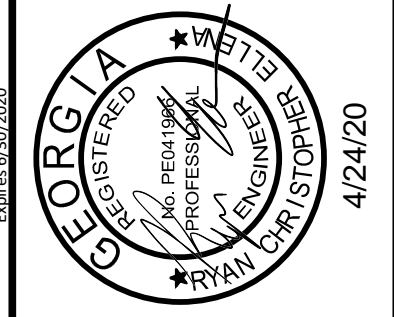
COBB COUNTY-MARIETTA WATER AUTHORITY
BLACKJACK MOUNTAIN
36-INCH PIPELINE REPLACEMENT
 GENERAL
EASEMENT DATA

PROJ. NO.	CBR18759
DATE	03/17/20
DESIGNED	RCE
DRAWN	CKM
REVISED	JCS
CHECKED	JCS
FILE NAME	CV-ALL-PROP-DATA.dwg
ADDENDUM #2	
ISSUED FOR BID	
BY	
DATE	
VERIFY SCALE	1
NO.	0

TM PARCEL #	OWNER NAME	PROPERTY ADDRESS	STIPULATIONS
120	CLAUDIA & CLIFFORD GRANGER	535 WEATHERFIELD TERRACE MARIETTA, GA. 30068	
121	JOSHUA & SKYLA BURTON	530 WEATHERFIELD TERRACE MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
122	GEORGE W. & VIRGINIA NAOMI PETERSEN	520 WEATHERFIELD TERRACE MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
123	HENRY M. & BETTIE L. HOLLEY	567 RIDGEWATER DR. MARIETTA, GA. 30068	
124	ROBERT J. HOLLOWAY	570 RIDGEWATER DR. MARIETTA, GA. 30068	
125	CHRISTOPHER WHITTINGTON & TIFFANY CUNDITH	560 RIDGEWATER DR. MARIETTA, GA. 30068	
126	CHARLES E. & JAN I. HINE	621 CLUBWOOD CT. MARIETTA, GA. 30068	
127	MICHAEL J. & LINDA J. IDACAVAGE	3670 CLUBLAND DR. MARIETTA, GA. 30068	
128	JAMES L. & ANNE B. SHOOP	620 CLUBWOOD CT. MARIETTA, GA. 30068	
129	HAROLD E. HUDDLESTUN	3680 CLUBLAND DR. MARIETTA, GA. 30068	
130	LAURA S. VINK & CARL WOLINSKY	3690 CLUBLAND DR. MARIETTA, GA. 30068	
131	MIRIAM KELLY FERREL REVOCABLE TRUST & RICHARD J. FERREL & MIRIAM K. TRUSTEES	610 CLUBWOOD CT. MARIETTA, GA. 30068	
132	CHRISTOPHER & COURTNEY BARNES	3700 CLUBLAND DR. MARIETTA, GA. 30068	
133	ERIC & SHAMIM F. CHRISTMAN	3720 CLUBLAND DR. MARIETTA, GA. 30068	
134	LINDA A. AHRENDTS	3738 CLUBLAND TRL. MARIETTA, GA. 30068	
135	JESSICA & MARTIN EATON	3731 CLUBLAND DR. MARIETTA, GA. 30068	
136	TIMOTHY P. SHARKEY	3752 CLUBLAND DR. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
137	CARLTON R. & SHARON B. NEWMAN	3770 CLUBLAND TRL. MARIETTA, GA. 30068	
138	ARCHIE & CONSTANCE JAMES	3786 CLUBLAND TRL. MARIETTA, GA. 30068	
139	SCOTT & JULIE VARON	3785 CLUBLAND TRL. MARIETTA, GA. 30068	
140	THOMAS J. BYRD, JR.	3795 CLUBLAND TRL. MARIETTA, GA. 30068	Encroachment Permitted - Do Not Disturb
141	INDIAN HILLS INC. & C/O FUTREN CORP.	1985 N. PARK PLACE ATLANTA, GA. 30339	Indian Hills Country Club Parcel - See language in Easement Document regarding seasonal restrictions on construction and coordination requirements.
142	CHRISTOPHER & AMELIA F. BUSSJAGER MOSHE DICKERMAN	549 INDIAN HILLS PKWY. MARIETTA, GA. 30068	
143	MARIA I. LOPEZ	3518 PRESERVE DR. ATLANTA, GA. 30339	Easement Exchange - Acquisition Ongoing Encroachment Permitted - Do Not Disturb
144	LIHI & OHAD SHABTAI	4141 CLUBLAND DR. MARIETTA, GA. 30068	Additional Easement Area - Acquisition Ongoing
145	DAVID F. GAMBLE	510 INDIAN HILLS PKWY MARIETTA, GA. 30068	

2

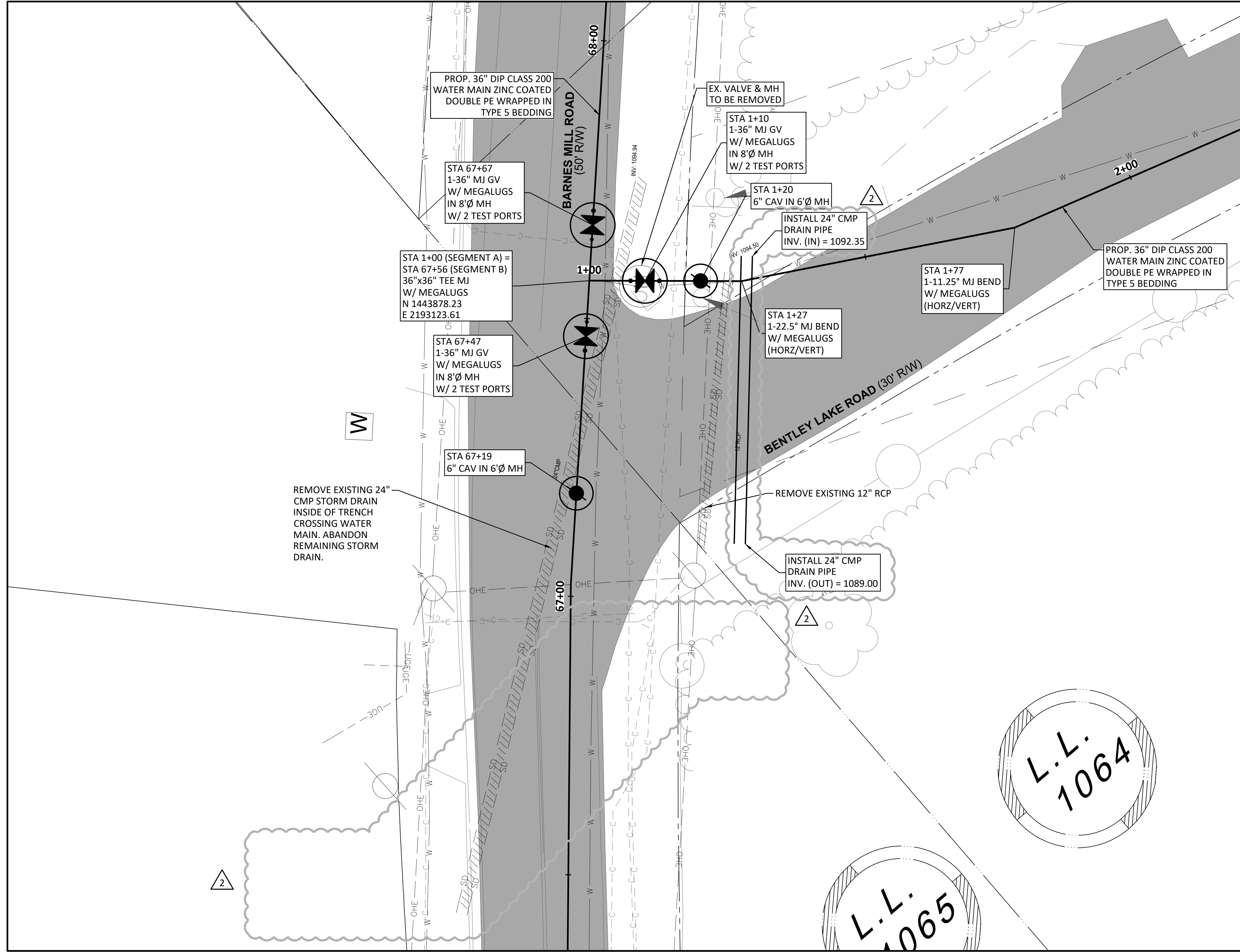
Freese and Nichols, Inc.
 Georgia Registered Engineering Firm PEF-004433
 Expires 03/31/2025



FREES & NICHOLS
 360 Interstate North Parkway,
 Suite 250
 Atlanta, GA 30339
 Phone (404) 334-4310
 Web - www.freese.com

COBB COUNTY-MARIETTA WATER AUTHORITY
BLACKJACK MOUNTAIN
36-INCH PIPELINE REPLACEMENT
 GENERAL
EASEMENT DATA

PROJ. NO.	CBR18759
DATE	03/17/20
DESIGNED	RCE
DRAWN	CKM
REVISION	JCS
CHECKED	JCS
FILE NAME	CV-ALL-PROP-DATA.dwg
ISSUE NO.	1
ISSUED FOR BID	
ADDENDUM #2	
VERIFY SCALE	Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

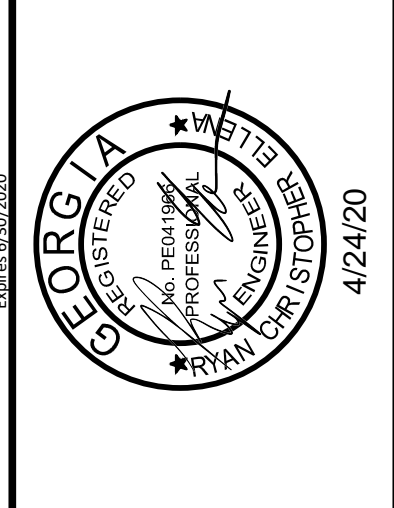


1
 C-1
**SEGMENT A
 CONNECTION 1+00
 36" CCMWA**

0 10' 20'
 SCALE IN FEET
 HORIZONTAL

NORTH

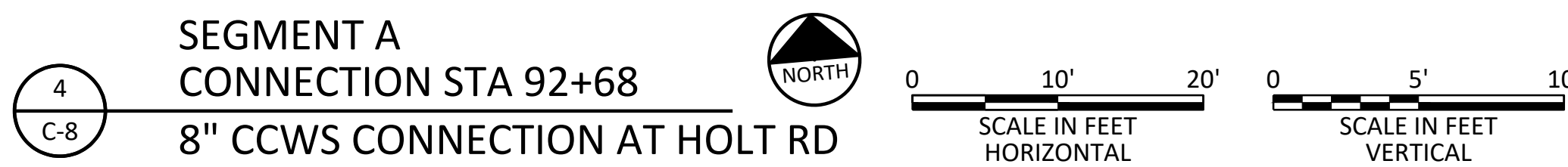
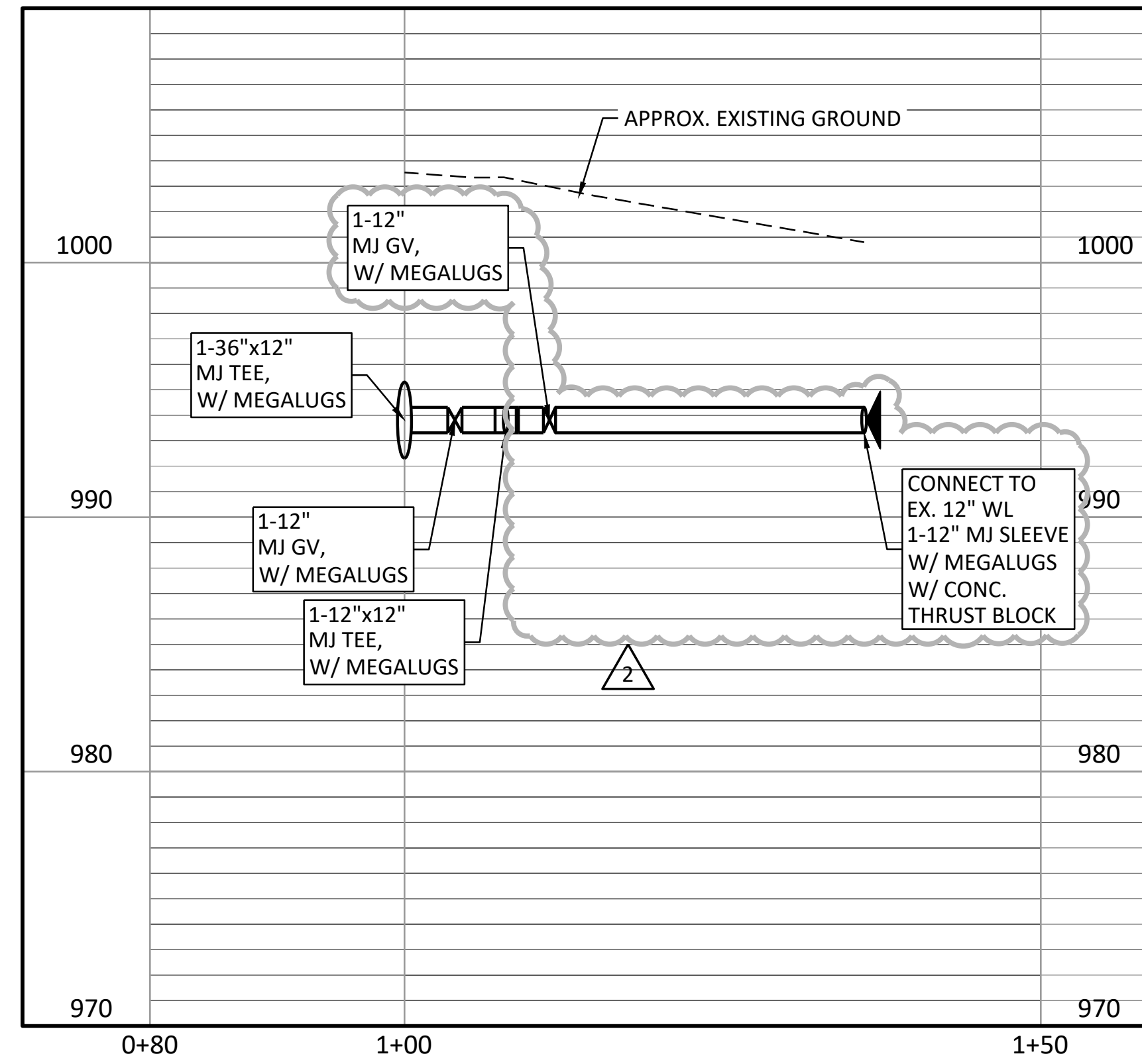
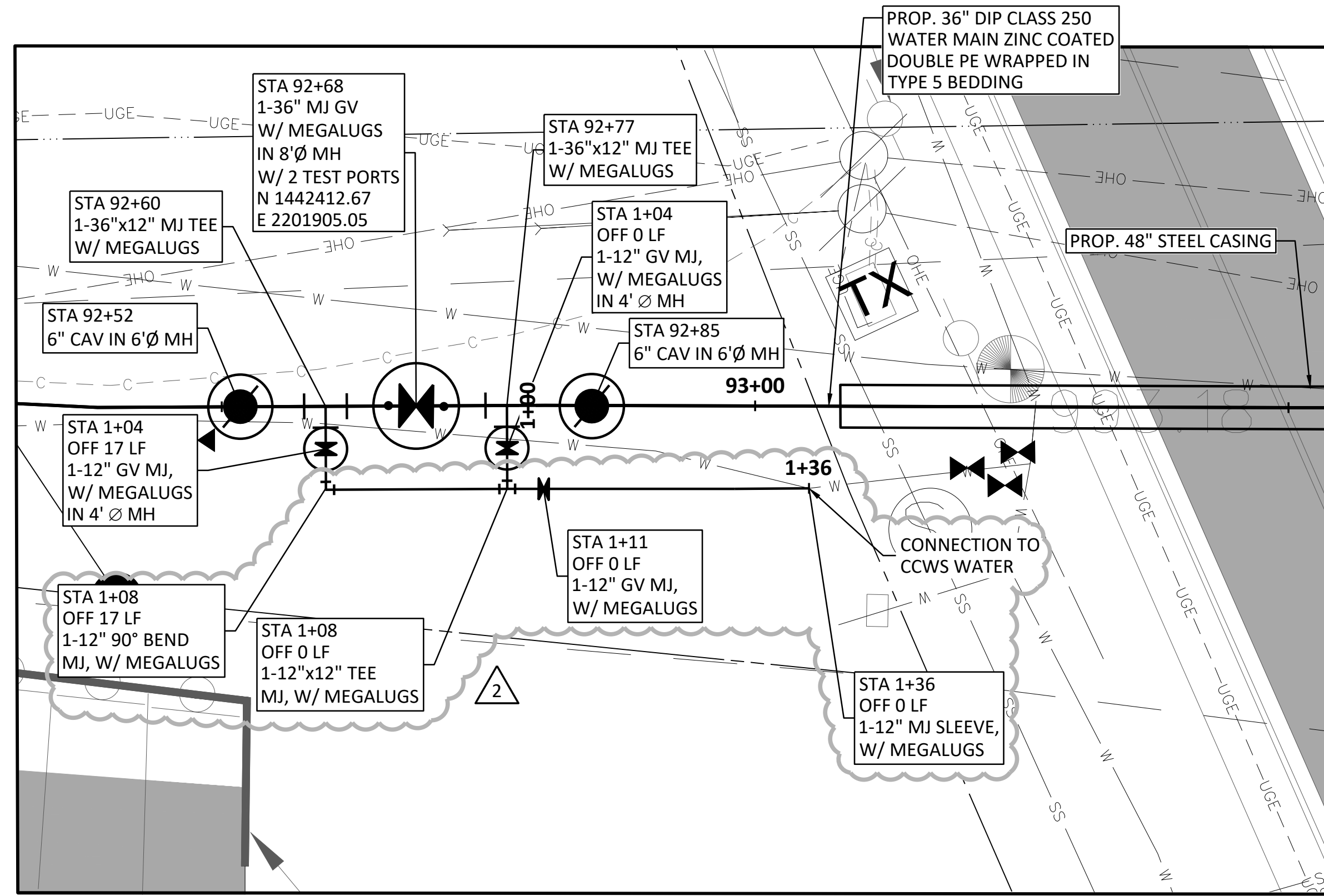
- CONNECTION NOTES:**
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.



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COBB COUNTY-MARIETTA WATER AUTHORITY
**BLACKJACK MOUNTAIN
 36-INCH PIPELINE REPLACEMENT**
 CIVIL
**SEGMENT A
 CONNECTION DETAILS I**

PROJ. NO.	CBR18759	DATE	03/17/20	DESIGNED	RCE	CHECKED	JCS
ADDENDUM #2		ISSUED FOR BID	04/24/20	DRAWN	CKM	FILE NAME	CV-ALL-SHT_DTL.DWG
ISSUE NO.		BY		REVISION		VERIFY SCALE	0
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.							1



4
 C-8
SEGMENT A
CONNECTION STA 92+68
8" CCWS CONNECTION AT HOLT RD

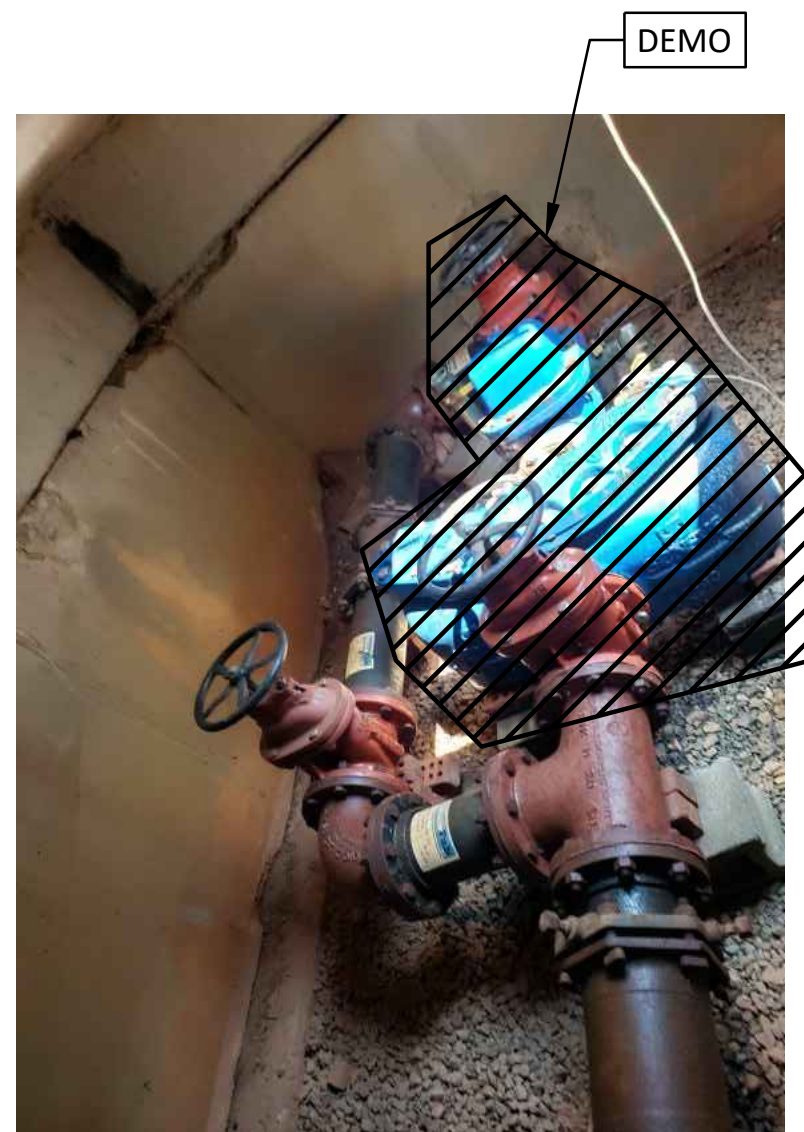
CONNECTION NOTES:
 1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.

Freese and Nichols, Inc.
 Georgia Registered Engineering Firm REF-004433
 License No. 10000
 State of Georgia
 Professional Engineer
 Ryan Christopher
 4/24/20

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COBB COUNTY-MARIETTA WATER AUTHORITY
BLACKJACK MOUNTAIN
36-INCH PIPELINE REPLACEMENT
 CIVIL
SEGMENT A
CONNECTION DETAILS IV

PROJ. JOB NO.	CBR18759
DATE	03/17/20
DESIGNED	RCE
DRAWN	CKM
REVISION	
CHECKED	JCS
FILE NAME	CV-ALL-SHT_DTL.DWG
ADDENDUM #2	
ISSUED FOR BID	
NO.	0
VERIFY SCALE	1

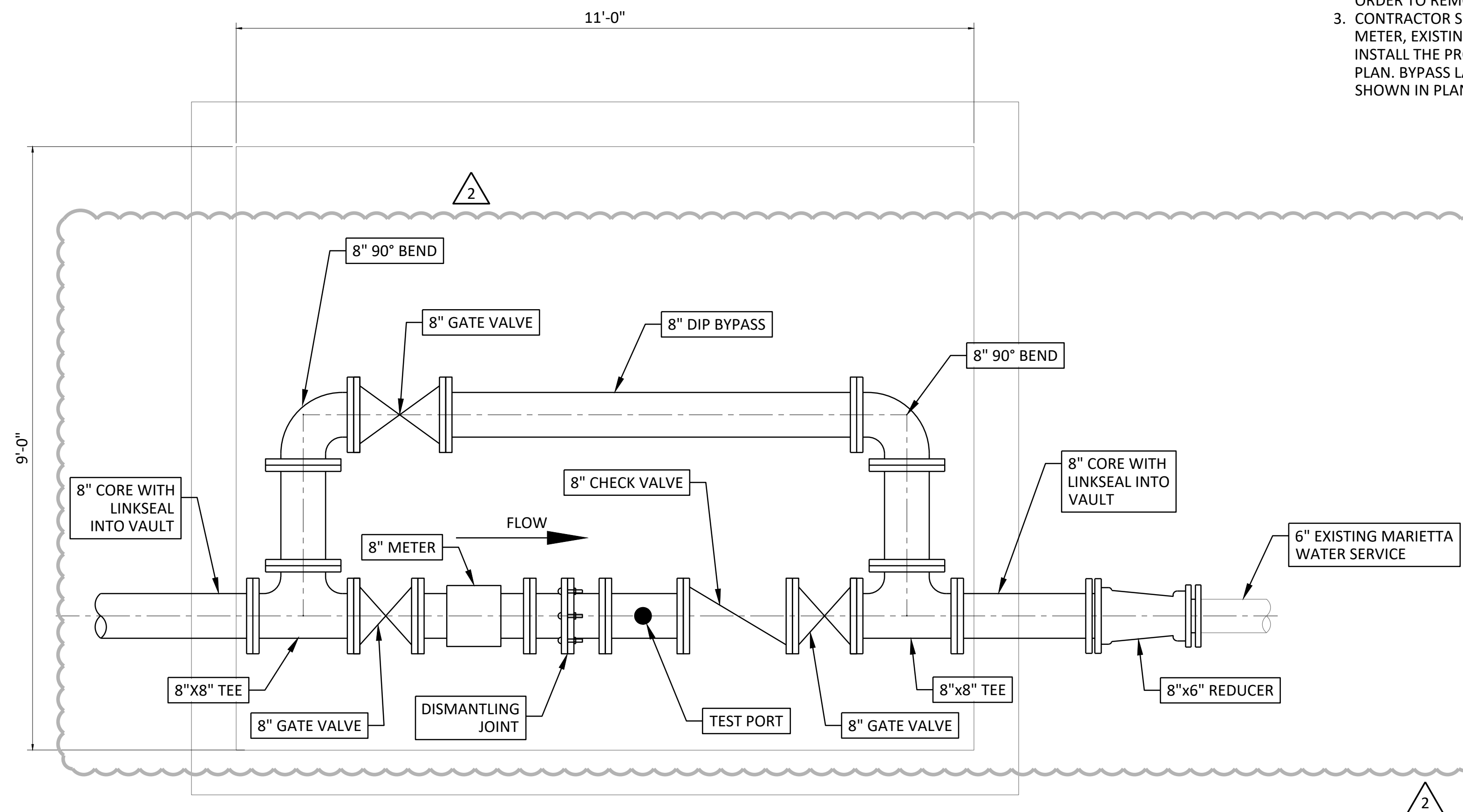


DEMOLITION PLAN

N.T.S.

DEMOLITION NOTES:

1. EXISTING VAULT SHALL REMAIN IN PLACE DURING METER REPLACEMENT. ANY DAMAGE TO VAULT SHALL BE REPAIRED BY CONTRACTOR TO EXISTING OR BETTER CONDITIONS.
2. CONTRACTOR SHALL REMOVE AND REPLACE METER VAULT TOP SLAB IN ORDER TO REMOVE AND REPLACE EXISTING METERS AND PIPING.
3. CONTRACTOR SHALL REMOVE AND DISPOSE THE EXISTING 6" FLOW METER, EXISTING PIPING AND EXISTING APPURTENANCES REQUIRED TO INSTALL THE PROPOSED METERS AS SHOWN IN THE METER REPLACEMENT PLAN. BYPASS LANE TO REMAIN BEYOND 8"x6" TEE CONNECTIONS SHOWN IN PLAN.



METER REPLACEMENT PLAN

3/4" = 1'-0"



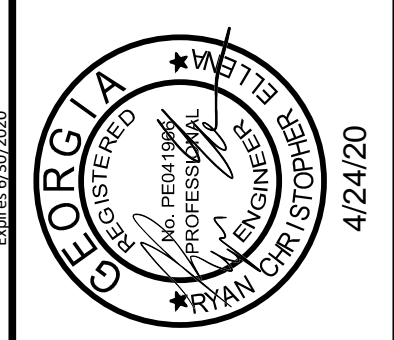
**MARIETTA WATER
BONNIE DELL METER REPLACEMENT**

1
C-23,CD-6

GENERAL NOTES:

1. METER SHALL BE MASTER METER OCTAVE ULTRASONIC METER.
2. DISMANTLING JOINTS SHALL BE ROMAC DJ405
3. CHECK VALVE SHALL BE AMERICAN FLOW CONTROL SERIES 2100
4. CONTRACTOR SHALL RE-INSTALL VAULT TOP SLAB, ACCESS HATCH, REPLACE CURB AND GUTTER AND REPLACE ASPHALT DAMAGED/REMOVED DURING BONNIE DELL METER REPLACEMENT.

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COBB COUNTY-MARIETTA WATER AUTHORITY
 BLACKJACK MOUNTAIN
 36-INCH PIPELINE REPLACEMENT

CIVIL
 SEGMENT B
 BONNIE DELL METER REPLACEMENT DETAIL

PROJ. NO.	CBR18759
DATE	03/17/20
DESIGNED	
DRAWN	
REVISION	
CHECKED	
FILE NAME	CV-ALL-SHT_METER DTLS.dwg
ISSUE NO.	1
ISSUED FOR	BID
BY	RCE
DATE	04/24/20
ADDENDUM #2	
VERIFY SCALE	Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET
CD-9
 SEQ.

ACAD Ref: 23.06 (LMS Tech)
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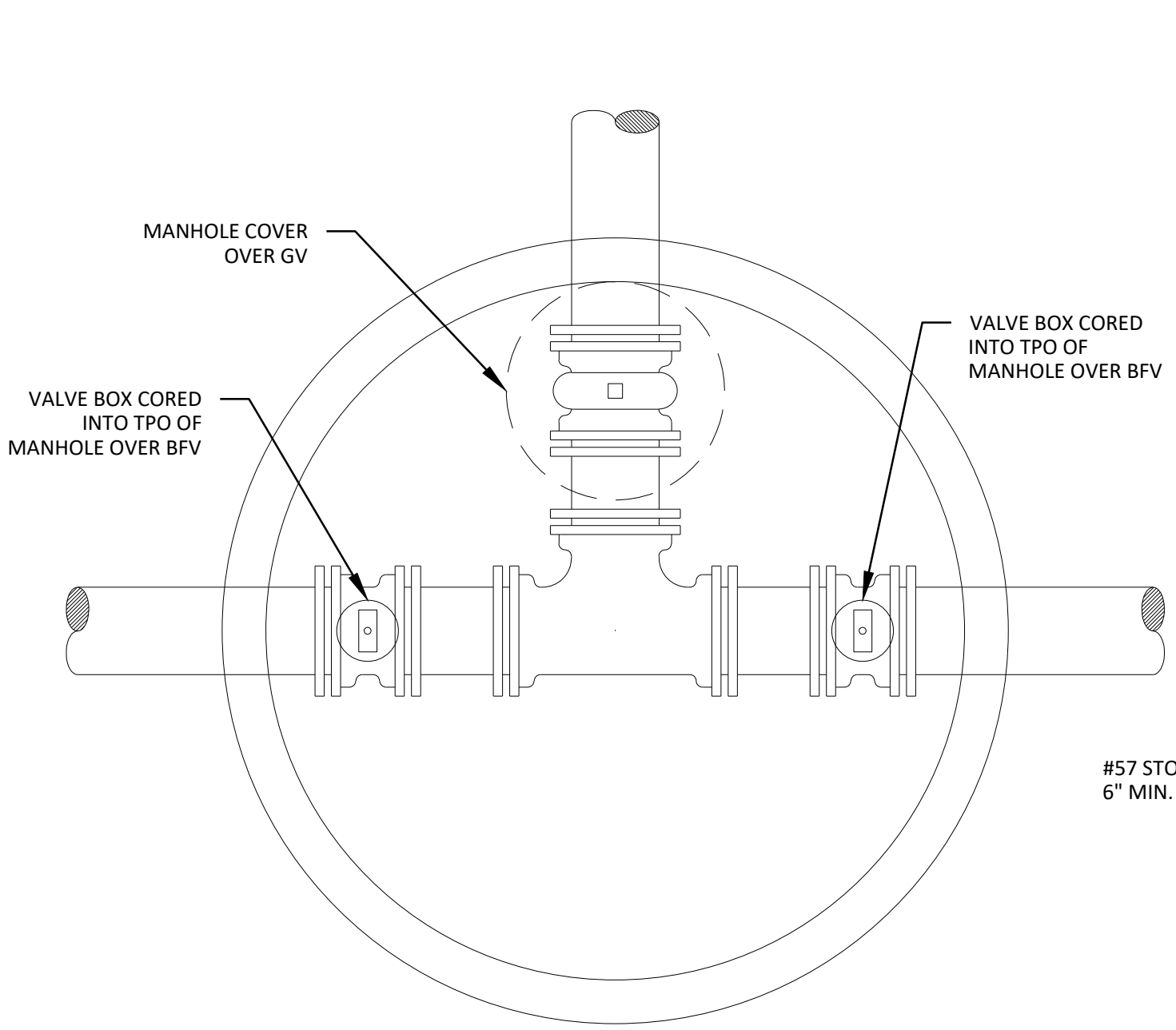
COBB COUNTY-MARIETTA WATER AUTHORITY
BLACKJACK MOUNTAIN
36-INCH PIPELINE REPLACEMENT

CIVIL

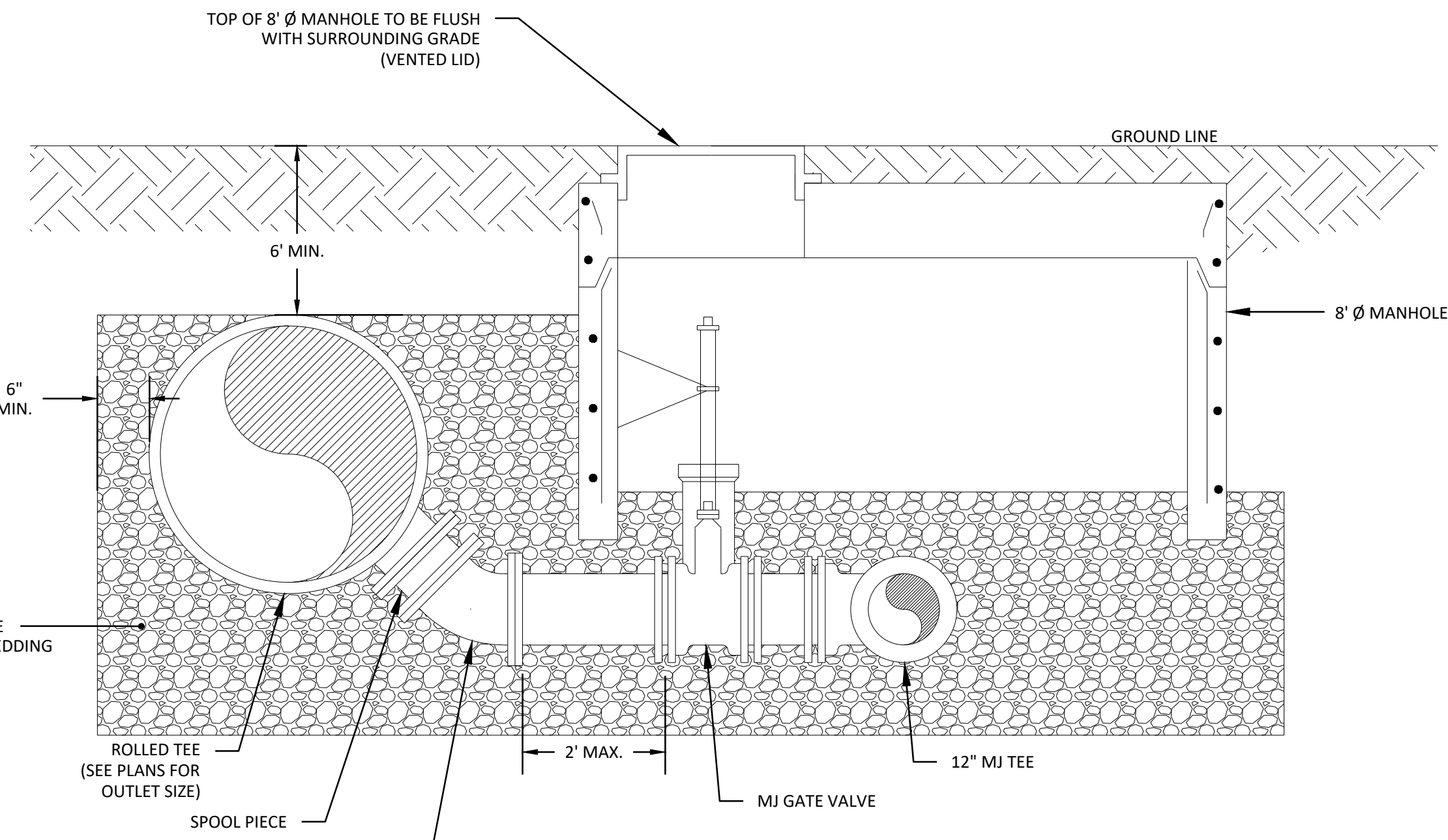
DETAILS IX

PROJ. NO.	CBR18759	DATE	03/12/20	DESIGNED	RCE	DRAWN	BWF	CHECKED	JCS
ADDENDUM #2	RCE	04/24/20							
ISSUED FOR BID	RCE	03/12/20							
VERIFY SCALE									
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FILE NAME	GN-ALL-DTLS.dwg								

SHEET **D-9**
 SEQ. ---



SINGLE MH TOP VIEW



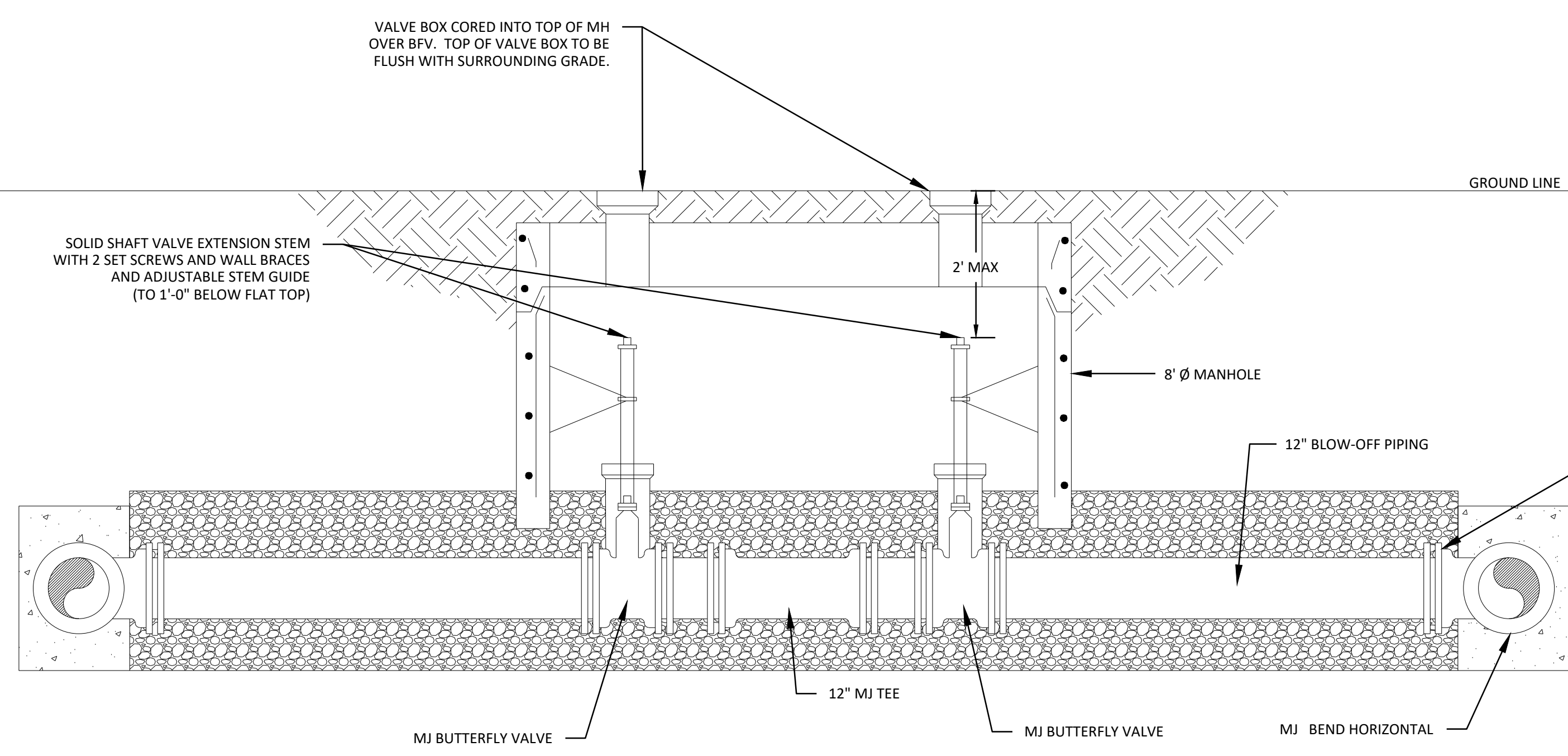
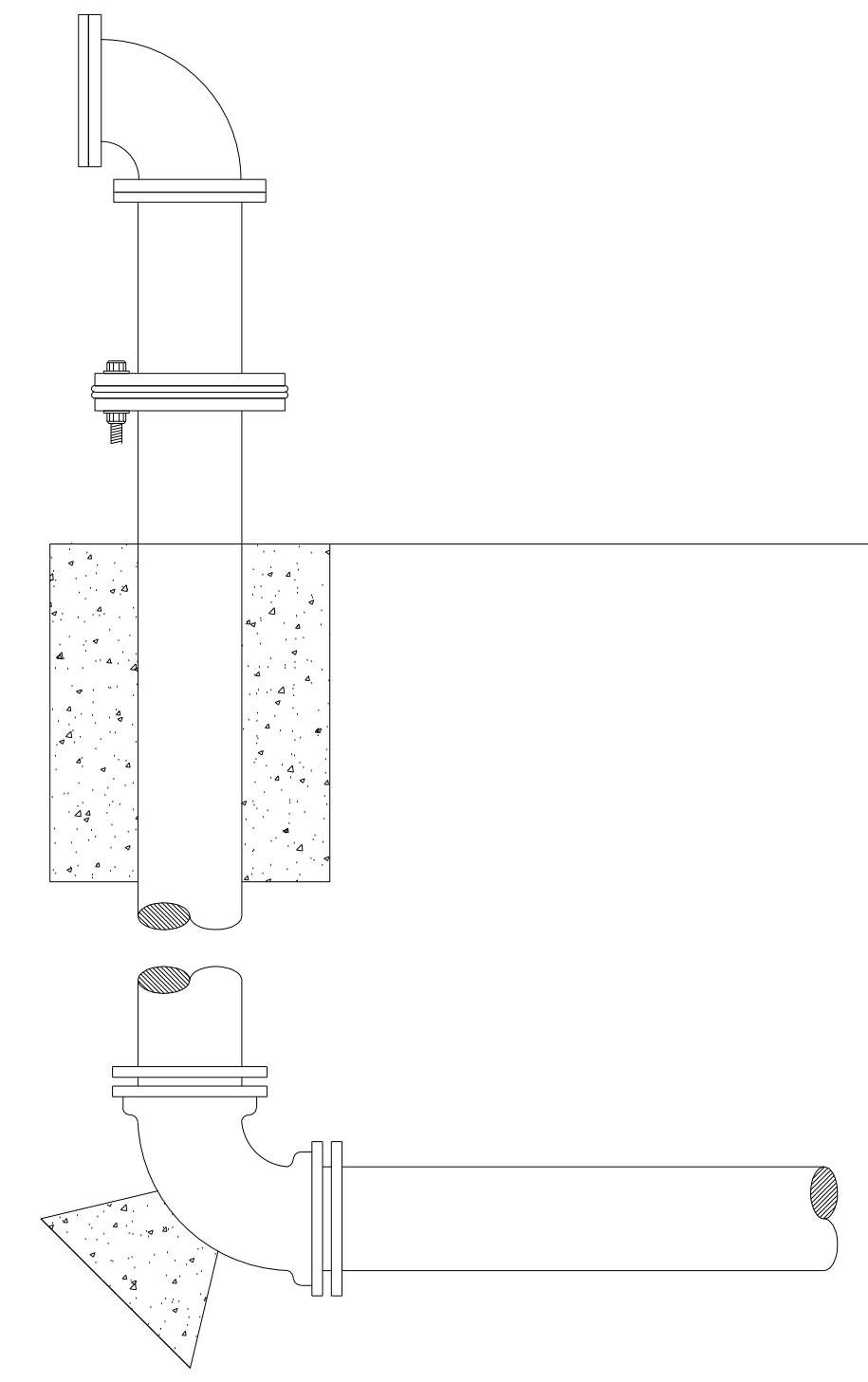
SINGLE MH SECTION SIDE VIEW

TYPE 3 REQUIREMENTS		
SIZE BY VOLUME	APPROX. WEIGHT	PERCENT SMALLER THAN
1.0ft (0.12m)	165lbs (75kg)	100%
0.1ft (0.05m)	15lbs (7kg)	10% - 65%

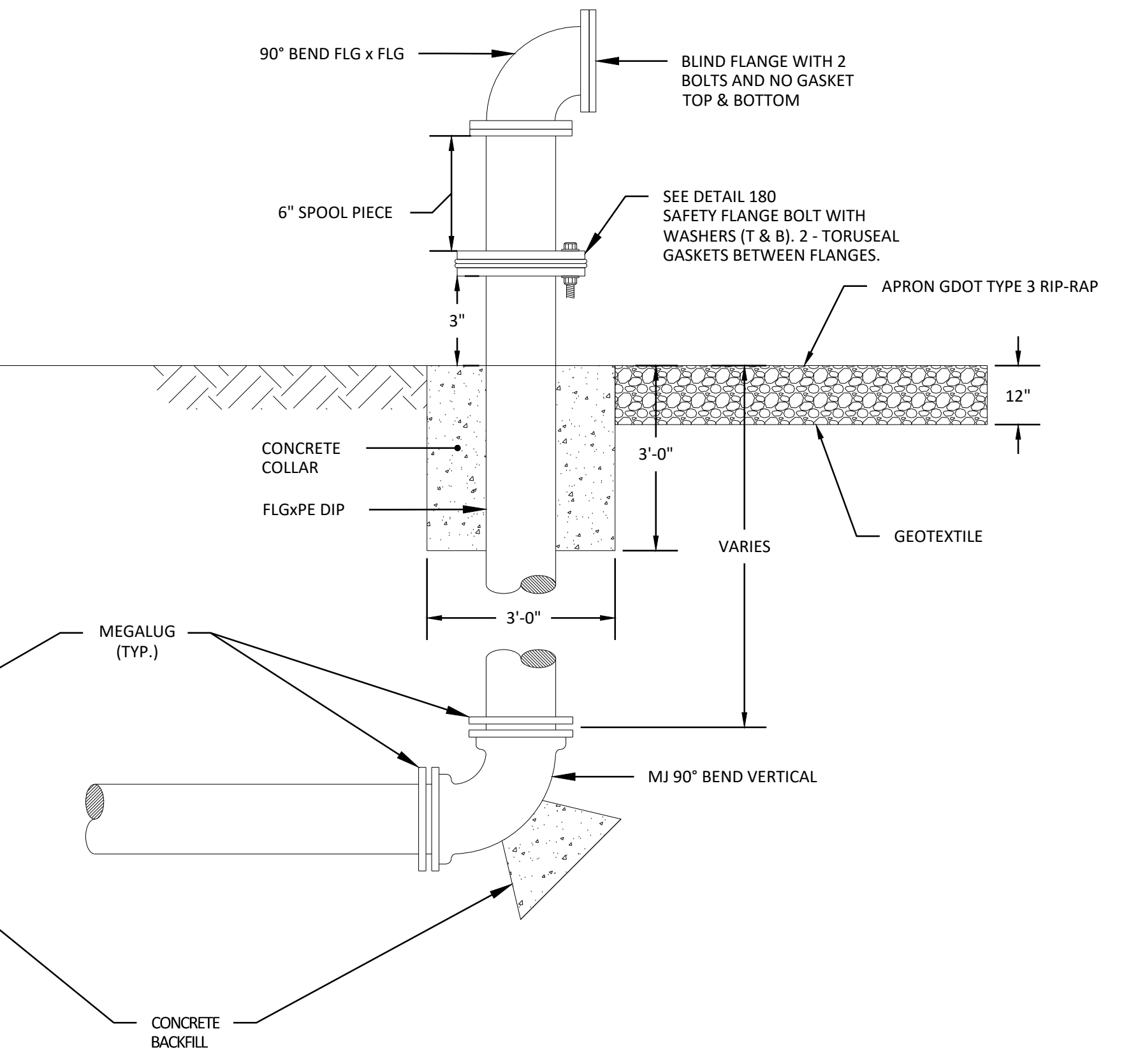
GEOTEXTILE			
PROPERTY	TEST METHOD	UNITS	MRV
GRAB TENSILE STRENGTH	ASTM D4632-91	LB.	250
GRAB TENSILE ELONGATION	ASTM D4632-91	%	50
TRAPEZOID TEAR STRENGTH	ASTM D4632-91	LB.	100
CBR PUNCTURE STRENGTH	ASTM D62241	LB.	700
AOS	ASTM D4751-87	U.S. STANDARD SIEVE SIZE	#100
PERMITTIVITY	ASTM D4491-92	SEC-1	0.8000
UV RESISTANCE (@500 HRS)	ASTM D4355	% RETAINED	70

NOTES:

- MEGALUGS TO BE USED WITH ALL MECHANICAL JOINT FITTINGS. PUSH-ON JOINTS FOR BLOWOFF PIPING (8"-16") TO BE RESTRAINED WITH FAST GRIP GASKETS.
- TEES & BENDS SHALL BE MECHANICAL JOINT WITH MEGALUGS.
- ALL BLOW-OFF PIPING SHALL BE DOUBLE POLY WRAPPED.
- SAFETY FLANGE BOLTS SHALL BE 3/8" Ø GRADE 5 STEEL WITH MINIMUM TENSILE STRENGTH OF 120 KSI. BOLTS, NUTS, AND WASHERS SHALL BE ELECTRO ZINC PLATED. SAFETY FLANGE BOLTS AND ACCESSORIES SHALL BE MANUFACTURED BY BIRMINGHAM FASTENERS OR APPROVED EQUAL.
- USE AMERICAN RED RUBBER FLAT GASKET (TORUSEAL) OR APPROVED EQUAL.



SINGLE MH SECTION FRONT VIEW



DOUBLE BLOWOFF VALVE INSTALLATION DETAIL (STA 164+18)
 N.T.S. **120A**