

**Addendum #02
December 5, 2023
IFB 24-B0019
Parallel LDM Water Transmission Main Phase 1**

The purpose of this Addendum #02 to IFB 24-B0019 for Parallel LDM Water Transmission Main Phase 1, dated December 5, 2023, and previously amended on November 22, 2023, is to provide a revised Schedule of Bid Items, additional drawings, the approved SCDOT Encroachment Permit, the Horry County Encroachment Permit, and answers to the following submitted questions:

1. The bid form shows that the steel pipe is the base bid- with the alternate as the DIP. However, on page 004113-9 for the bid totals it states that the DIP is base and steel is alternate. Can you confirm which is which to eliminate any confusion?

This project is a steel pipe project, and the base bid is Steel Pipe. The revised Schedule of Bid Items has been attached to and hereby made a part of this addendum. The project will be awarded to the responsive low bid based on unit prices. Any bids submitted that exclude the base bid will be just cause for the bid to be considered non-responsive and rejected. Bidders are not required to submit a bid for Alternate #1, but are required to submit the base bid.

2. Bid item 5 and item 24 are the same footage, is there additional 36” pipe on the project other than the connection at the end point?

Bidders are advised to refer to the attached revised Schedule of Bid Items.

3. Bid item 15 and 20 are the same footage, is there an additional bore on the project?

Bidders are advised to refer to the attached revised Schedule of Bid Items.

4. On the 48” DIP bid schedule, it states that all fittings are included in the pipe price, but there are bid items for the fittings – please confirm how this is to be bid.

Bidders are advised to refer to the attached revised Schedule of Bid Items. The fittings on the 48” DIP are to be included in the alternate line items.

5. Item 1.8 of the bid form, page 004113-10, states that we are to be a license contractor for the City of Myrtle Beach. We have contacted the city finance dept., they state there is a fairly lengthy process to obtain one, most likely due to Thanksgiving this would not happen before the bid date. Please confirm if this is a requirement or can be accomplished by the low bidder after the bid?

City of Myrtle Beach business licenses are not required to submit a bid, however the license must be issued before any work may begin within the City's jurisdiction.

6. Same question as #5, regarding Horry County, and the timing of the license.

Horry County business licenses are not required to submit a bid, however the license must be issued before any work may begin within the county's jurisdiction.

7. Section 330524 1.05 Corrosion Protection – the specification states that we are to provide a design by a NACE certified engineer for the pipeline cathodic. This is atypical, and most likely not possible prior to the bid. Can this be added as an allowance? For bid equality between the bidders this would be the fairest option.

Bidders are to include this task under the pipe unit price of their bid as outlined in the bid documents.

8. Is a geotech report available?

There is no geotech report on this project. Bidders are to assume that all the soils on the route are clay and select fill is required for all back filling operations around the pipeline and full depth on pavement cuts. The Contractor is to haul off any unsuitable excavation material that isn't deemed suitable for backfill material. The cost of this task shall be included in the pipe unit price.

9. Station 51+78- shows a 48" MJ tee with a 48"x36" MJ reducer. For the steel pipe base bid, this would be a welded fitting. To transition to 36" DIP, this would typically be a flanged connection to include a dielectric gasket. Please confirm this is the plan for the steel pipe option.

Yes, the 48" x 36" reducer shall be a steel fitting. Bidders are advised to transition to DIP after the 36" butterfly valve.

10. For the blow-off valves – same question – is a dielectric gasket needed on the transition at the flange between steel and 16" DIP?

Yes, the pipe will transition after the 16" gate valve. The 48" steel pipe will have a 16" outlet to DIP. The detail has been attached to and hereby made a part of this addendum.

11. The ARV detail shows a tapping saddle – fro steel or DIP this would typically be a welded outlet (or fitting). Is there a separate detail available to ensure the correct materials are quoted at bid time?

For the ARV detail, bidders are to use a 2" half coupling on the steel pipe segment. The detail has been attached to and hereby made a part of this addendum.

12. At station 0+00, is the intent to provide a 48" DIP tee that would connect by flange to the steel pipe, or a steel tee with flanges to connect to the 48" DIP?

The Contractor is to cut in a 48" x 48" MJ DIP tee with a DIP sleeve with 48" MJ butterfly valve. The Contractor will transition to steel pipe after the valve.

13. At station 52+XX, the end of the 48", for steel pipe an MJ cap would not be typical. Please let us know what should be included here such as a blind flange or other?

The Contractor shall use a blind flange with a tapped plug to bleed the air out of the pipe segment in lieu of a MJ cap. Bidders are to refer to the revised Schedule of Bid Items.

14. What is the expected duration of the shutdowns to connect the 48" and 36" pipes at the two ends of the project?

The existing 48" DIP water line can be shut down for the duration of the tie-in. The existing 36" DIP must always remain active at all times. To cut-in the proposed 36" x 36" tee, the existing 36" water line will require a line stop with a bypass line to feed water to the north end of the distribution system.

15. There does not seem to be a conflict with the existing 36" pipe that the 54" bore crosses, can the necessity of the 24" HDPE line be provided? Or can it be eliminated through contractor means and methods?

The 24" HDPE is a temporary water bypass for the line stops for the 36" x 36" MJ tee cut-in.

16. What is the thickness of the Steel Casing for the Bore & Jack under Hwy. 17 (Sheet C3.09)?

The 54" steel under Highway 17 will be 3/4" in thickness.

17. It appears the labels for the DIP pipe and fittings are labeled 48" but should be 36" for the 54" carrier pipe exit on Sheet C3.09.

The 90-degree bends shown on the profile should be 36" and not 48" as listed. Bidders are advised to change the 90-degree bends to 36".

18. Which roads are SCDOT, so we know which roads have the 8" Concrete repair (Sheet C5.02)?

Highway 17 Bypass right-of-way is the only SCDOT roadway on this project.

19. Can we move the fence along Church Street from Sta. 43+25 – 47+25 (Right) to the R/W and clear trees so we can utilize the full Church Street R/W for construction (Sheet C3.08)?

Yes, the fence can be removed and placed back if it is in the way of constructing the pipeline. The fence will need to be reinstalled as removed.

20. How long can the existing 48” WL be valved off so we can install the 48” MJ Tee on Sheet C.301?

The existing 48” DIP may be shut down for the duration of the tie-in in the off season.

21. Bid items #15 and #20 are the same. Should Item #20 be 36” RJ DIP in Casing?”

Item #15 is the installation of the 54” steel bore casing. Bidders are advised to disregard item #20 and refer to the revised Schedule of Bid Items.

22. Should the bid totals in Section 004113-9 read, “Base Bid Steel Pipe Total” and “Alternate #1 DIP?”

Bid totals in Section 004113 – 9 should read “Base Bid Steel Pipe.” Bidders are advised to refer to the revised Schedule of Bid Items.

23. Can any of this work be done during the summer months or are there some work restrictions for certain areas?

Work may be done on the back streets during the summer months. The work in the Highway 17 Bypass right-of-way and the tie-ins on each side of the project are excluded during the summer months: May through September.

24. Are there any Encroachment Permits available for our use?

The Encroachment Permits have been attached to and hereby made a part of this addendum.

25. Is there a soil report available or should we consider the existing soils suitable for backfill in the areas outside of the pavement? If unsuitable soils are encountered, would we be paid separately for the import/export if required?

There is no soils report on this project, select fill is required for backfill on the full-length of the pipeline. The Contractor will be required to haul off the unsuitable excavated material and import select material to be included in the pipe unit price per foot cost.

26. The project is required to meet AIS, correct?

This project does **not** have to meet the AIS requirement.

27. Looks like the power poles may be in conflict or closer than the power company will allow us to encroach, have you considered an allowance for supporting the poles?

Bidders are to include any work or cost associated with any supporting of the poles in the overall pipe unit price per foot cost.

28. Will O-ring steel pipe be allowed?

O-ring steel pipe will not be allowed.

29. Can we submit only a steel price/no alternate?

Yes, bidders are not required to submit an alternate, if they choose not to.

30. Unsuitable material was discussed at the pre-bid, how will this be paid, I don't see a bid item. And are we to assume all material from the ditch must be hauled off and replaced with suitable?

Bidders are to assume that all the soils on the route are clay and select fill is required for all back filling operations around the pipeline and full depth on pavement cuts. The Contractor is to haul off any unsuitable excavation material that isn't deemed suitable for backfill material. The cost of this task shall be included in the pipe unit price.

31. Will there be local vendor preference apply to this project since there is federal funding?

Yes, Local Vendor Preference will apply to this project.

32. Will select fill be required if ductile iron pipe is used?

Select fill will be required only in the roadway and driveway areas if DIP pipe is used.

Bidders are advised to disregard **Bid Item #21** and refer to the revised Schedule of Bid Items. Bid Item #21 is a duplicate of Bid Item #16. All DIP pipes are to be poly wrapped and fully restrained from the 36" MJ butterfly valve to the 36" MJ tee that is being cut-in.

Specification Revision: Under specification section 330524 – Steel Pipe, Page 330524 – 4 underneath Part 2 – Products, Section 2.01 Materials; A. Pipe, Paragraph 2 – Bidders are advised to disregard 250 psi and write 100 psi.

This section should read: "Pipe shall be designed for 150 psi working pressure with an additional 100 psi allowance for transient. Pipe design shall be in accordance with AWWA M11. Design stress shall be limited to 50% of the minimum yield strength at working pressure and 75% at the great of working pressure plus transient allowance, or test pressure.

All bids must be received by the Procurement Office at 3231 Mr. Joe White Avenue, Myrtle Beach, SC 29577 **prior** to 2:00p.m. (local time) on Tuesday, December 12, 2023.

Thank you,

City of Myrtle Beach
Brandon Hancock
Purchasing Office/Buyer
Email: bhancock@cityofmyrtlebeach.com

DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: **City of Myrtle Beach Parallel LDM Water Transmission Main - SCIIP Project #A-23-C139**
- C. Project Location: Old Bryan Drive between 29th Avenue North and 33rd Avenue within the City of Myrtle Beach.
- D. Owner: CITY OF MYRTLE BEACH, SOUTH CAROLINA.
- E. Owner Project Number: Bid #24-B0019

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by the City of Myrtle Beach, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated Lump sum of:

1. _____ Dollars
(\$_____).

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars
(\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 THE FOLLOWING SUBCONTRACTORS ARE LISTED:

The following companies shall execute subcontracts for the portions of the Work indicated:

| |
|--|
| Name, Address, Phone and Email Address |
| Name, Address, Phone and Email Address |
| Name, Address, Phone and Email Address |
| Name, Address, Phone and Email Address |
| Name, Address, Phone and Email Address |
| Name, Address, Phone and Email Address |

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

1.5 UNIT/INCREMENTAL PRICING: (The City is requesting unit pricing for information purposes only in the event a Change Order/Directive is necessary due to unforeseen circumstances. The Owner reserves the right to negotiate any of the unit prices listed with the lowest responsive and responsible Bidder. These unit or incremental prices shall be the installed price including all costs to the City such as, by way of illustration and not limitation, materials, labor, equipment, fees, taxes, insurance, bonding, overhead, profit or other such items.)

SCHEDULE OF BID ITEMS

The Contractor shall furnish all labor, equipment, materials, and transportation and perform all work necessary to complete the construction and installation of water utilities and appurtenances as shown on the drawings prepared by Bolton & Menk and per all specifications herein.

NOTE: This project will be bid with alternates for certain items of work as it relates to this project. "The OWNER reserves the right to award a CONTRACT on the basis of the BASE BID ITEMS and ADD, DEDUCT, AND ALTERNATE BID ITEM(s) deemed by the OWNER to be in their best interest. Final award shall be made to the lowest responsive BIDDER as selected by the OWNER."

The Alternate is for City of Myrtle Beach to review and determine the best means to construct the project. The Owner may elect to substitute the alternate or not with the contractor after the project is bid and before the award to stay within their budgets.

Bids shall include sales tax and all other applicable taxes and fees. Any work required as shown on the plans or called for in the specifications not specifically listed below shall be included in the most closely related work item listed. It is the responsibility of the Contractor to verify all quantity takeoffs, and to bid the work appropriately.

Bid prices shall also include all traffic control, silt fencing, erosion control, grading, cuts, fills and site restoration for the project as shown on the construction plans. The pavement prices will include all stripping with pavement markings that are required to complete the project unless otherwise listed as a pay item. All fittings are to be restrained with megalugs or an approved equal and are to be included in the fitting price. All fittings shall have restrained joints on either side of the fitting to the length recommended by the manufacturer and shall be included in the price of the pipe. All sleeves needed to make any tie-ins are to be included in the tie-in price and/or pipe price. The contractor must verify the size and type of line being tapped and must supply the appropriate tapping sleeves to complete the work for this project.

PARALLEL WATER TRANSMISSION MAIN PHASE 1

48-Inch Steel Water Transmission Line Base Bid. All bends and fittings are included in the pipe price.

| Bid Item | Description | Engr's Est. | Unit | Unit Price | Amount |
|---------------|---|--------------|---------------|---------------|---------------|
| 1. | Mobilization | 1 | LS | \$ | \$ |
| 2. | Clearing and Grubbing | 1 | LS | \$ | \$ |
| 3. | Sediment and Erosion Control Complete | 1 | LS | \$ | \$ |
| *4. | 48" 0.20 Thickness Steel Waterline. Includes all Bends and Fittings in Pipe Price | 5,280 | LF | \$ | \$ |
| 5. | 36" Class Zinc Coated 150 Waterline Restrained DIP w/Polywrap full length | 245 | LF | \$ | \$ |
| 6. | 48" MJ Butterfly Valve w/Box Restrained | 6 | EA | \$ | \$ |
| 7. | 36" MJ Butterfly Valve Restrained | 1 | EA | \$ | \$ |
| 8. | 48" x 36" MJ Reducer | 1 | EA | \$ | \$ |
| 9. | 48" Dish Head w/Tap Plug & Valve | 1 | EA | \$ | \$ |
| 10. | 15" Reinforced Concrete Pipe Culvert | 72 | LF | \$ | \$ |

PARALLEL LDM WATER TRANSMISSION MAIN PHASE 1
ENGINEER PROJECT NUMBER 21067E

| Bid Item | Description | Engr's Est. | Unit | Unit Price | Amount |
|----------------|--|----------------|---------------|---------------|---------------|
| 11. | 18" Reinforced Concrete Pipe Culvert | 258 | LF | \$ | \$ |
| 12. | 24" Reinforced Concrete Pipe Culvert | 46 | LF | \$ | \$ |
| 13. | Catch Basin | 2 | EA | \$ | \$ |
| 14. | 16" Blow Assembly Complete (16" Gate Valve, Piping, Bends, Check Valve and Pipes Complete) | 1 | EA | \$ | \$ |
| 15. | 54" Steel Bore Casing Complete ¾" Thickness | 155 | LF | \$ | \$ |
| 16. | Restrain Existing 36" DIP Waterline on Each Side of Line Stop | 1 | LS | \$ | \$ |
| 17. | Cut and Plug Ex. Abandoned 30" DIP FM | 4 | EA | \$ | \$ |
| 18. | 36" MJ 90° Bend Restrained | 2 | EA | \$ | \$ |
| 19. | Air Release Valve with Manhole Complete | 9 | EA | \$ | \$ |
| 20. | 54" Steel Bore Casing DIP Waterline Fully Restrained Throughout Casing Length | 155 | LF | \$ | \$ |
| 21. | Restrain existing 36" DIP water line | 1 | LS | \$ | \$ |
| 22. | Cut-in 36" x 36" MJ Tee with 3-36" MJ Butterfly Valves Complete | 1 | EA | \$ | \$ |
| 23. | Cut-in 48" x 48" MJ Tee with 2-48" MJ Butterfly Valves Complete | 1 | EA | \$ | \$ |
| 24. | 36" Class 150 Waterline DIP w/Polywrap | 245 | LF | \$ | \$ |
| 25. | 36" Line Stop Complete with Valves and 24" HDPE Bypass Piping Complete | 1 | LS | \$ | \$ |
| 26. | Curb and Gutter Repair | 75 | LF | \$ | \$ |
| 27. | Repair Existing Concrete Drive | 350 | SF | \$ | \$ |
| 28. | Asphalt Driveway Repair | 180 | LF | \$ | \$ |
| 29. | Asphalt County Roadway Repair | 1,000 | LF | \$ | \$ |
| 30. | Patch Existing Asphalt SCDOT Road | 100 | LF | \$ | \$ |
| 31. | 2" Milling of Roadway | 4,375 | SY | \$ | \$ |
| 32. | Asphalt Overlay (Driveway) | 650 | SY | \$ | \$ |
| 33. | Asphalt Overlay (County Road) | 3,640 | SY | \$ | \$ |
| 34. | Asphalt Overlay (SCDOT Road) | 735 | SY | \$ | \$ |
| 35. | Flowable Fill Existing 30" DIP Force Main under 33 rd Avenue North | 90 | LF | \$ | \$ |
| 36. | Regrade Existing Ditch | 1,060 | LF | \$ | \$ |
| 37. | Reconstruct Driveway Features | 1 | LS | \$ | \$ |
| 38. | Concrete Marker (Main Valve, Bends, Line Locations, etc.) | 1 | LS | \$ | \$ |
| 39. | Project Traffic Control | 1 | LS | \$ | \$ |
| 40. | Remove Existing 12" RCP/CMP Culvert | 68 | LF | \$ | \$ |

PARALLEL LDM WATER TRANSMISSION MAIN PHASE 1
ENGINEER PROJECT NUMBER 21067E

| Bid Item | Description | Engr's Est. | Unit | Unit Price | Amount |
|----------------------------------|---|-------------|------|------------|--------|
| 41. | Remove Existing Catch Basin | 2 | EA | \$ | \$ |
| 42. | Remove Existing 15" RCP/CPV Culvert | 206 | LF | \$ | \$ |
| 43. | Remove Existing 24" CMP Culvert | 32 | LF | \$ | \$ |
| 44. | Concrete Cap on Top of Waterline at Canal | 1 | LS | \$ | \$ |
| 45. | Site Restoration | 1 | LS | \$ | \$ |
| 46. | Roadway Stripping and Thermoplastic Lines | 1 | LS | \$ | \$ |
| 47. | Concrete Sidewalk Repair | 1 | LS | \$ | \$ |
| TOTAL BASE BID AMOUNT: \$ | | | | | |

BID ITEM

MANUFACTURER

*4. 48-Inch Steel Pipe Waterline

5. 36-Inch Ductile Iron Pipe Waterline

Alternate #1 Bid Item Ductile Iron Pipe - The City of Myrtle Beach may elect to select an alternate. (Optional, not required to bid)

^48-Inch DIP Water Transmission Line Alternate Bid

| Bid Item | Description | Engr's Est. | Unit | Unit Price | Amount |
|--|--|-------------|------|------------|--------|
| *4. | 48" Class Zinc Coated 150 Ductile Iron Waterline | 5,280 | LF | \$ | \$ |
| 4a. | 48" MJ 90° Bend / Restrained | 4 | EA | \$ | \$ |
| 4b. | 48" MJ 45° Bend / Restrained | 22 | EA | \$ | \$ |
| 4c. | 48" 11 1/4° Bend Restrained | 5 | EA | \$ | \$ |
| 4d. | 48" 22 1/2° Bend Restrained | 5 | EA | \$ | \$ |
| 4e. | 48" x 48" MJ Tee Restrained | 1 | EA | \$ | \$ |
| 4f. | 48" x 36" MJ Reducer Restrained | 1 | EA | \$ | \$ |
| 4g. | 48" Cap Restrained | 1 | EA | \$ | \$ |
| ^48-INCH DIP ALTERNATE SUBTOTAL: \$ | | | | | |

BID ITEM

MANUFACTURER

48-Inch DIP Waterline

BASE BID TOTAL (Page 8):

\$ _____

^MINUS 48-Inch Steel Pipe and Fitting Subtotal (Item #4:)

-\$ _____

PROJECT WITHOUT PIPE AND BENDS SUBTOTAL: \$ _____

*ADD 48-Inch DIP Pipe Alternate Subtotal (Page 8) +\$ _____

ALTERNATE #1 BID TOTAL: \$ _____

BID TOTALS

Base Bid Steel Pipe Total: \$ _____

(In Words) _____

Alternate #1 DIP Pipe Total: \$ _____

(In Words) _____

- A. TIME OF COMPLETION: If notified of the acceptance of the Bid or any Alternate Bids within thirty (30) days after the date fixed for opening of the Bids, the undersigned agrees to execute and deliver the specified contract and contractor's bonds within ten (10) days. The undersigned agrees, if awarded the contract within thirty (30) days from the date fixed for opening of bids, will commence the work required by the CONTRACT DOCUMENTS within TEN (10) calendar days after the date of the NOTICE TO PROCEED and will complete faithfully and properly the work no later than two hundred and seventy (270) calendar days from the date of commencement (NTP, Notice to Proceed), or unless the period of completion is extended otherwise by the CONTRACT DOCUMENTS; all work consistent with the best interest of the Owner, the safety of the public and in accordance with first-class workmanship.

- B. LIQUIDATED DAMAGES: Should the Contractor fail to substantially complete the work under this contract within the stipulated time as he has set forth in "Time of Completion" paragraph above, plus any additional days that may result from extension of time granted by the Architect/Engineer, he agrees that the Owner may retain the sum of \$500.00 per day for each succeeding calendar day that the Owner is deprived of full use of any or all phases of the project. This amount is agreed upon as a reasonable and proper measure of Liquidated Damages which the Owner sustains per day by failure of the contractor to complete the work within the time stipulated; it being recognized by the Owner, the Contractor, and the Architect that the injury to the Owner which could result from failure by the contractor to complete on schedule is uncertain and insusceptible to certain computation, and this sum is not to be construed in any sense as a penalty.

1.6 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

Addendum No. 1, dated _____.

Addendum No. 2, dated _____.

1.7 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.

Bid Form Supplement - Allowances.

Bid Form Supplement - Bid Bond Form (AIA Document A310).

Bid Form Supplement - Bid Bond OR a certified check for the amount required.

Bid Form Supplement - Bidder's Representation.

Bid Form Supplement - Non-collusion Affidavit of Prime Bidder.

Bid Form Supplement - Statement of Experience of the Bidder.

Bid Form Supplement - Project Superintendence.

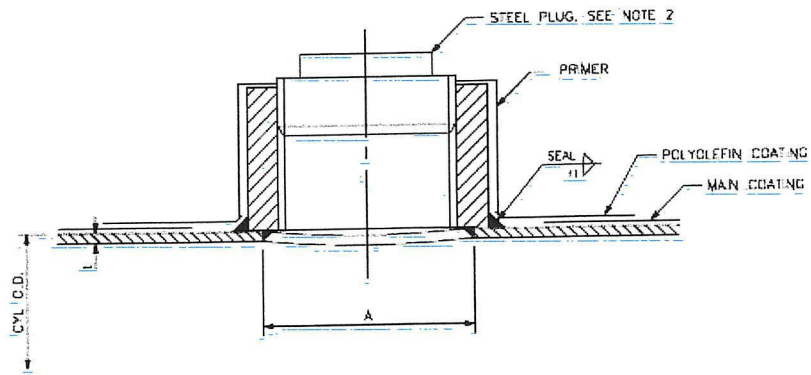
1.8 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor for the type of work proposed, in Myrtle Beach, South Carolina, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20 .
- B. Submitted By _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witness By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113



NOTES:

1. A, DIMENSIONS ARE IN INCHES.
2. FLANGE TO BE TWO-HOLED ON RUN AXES UNLESS OTHERWISE SHOWN ON MARK No DWG.
3. OUTLET PIPE SHOWN AT 30 DEG TO RUN PIPE. SEE MARK No DWG FOR ANGLES OTHER THAN 90 DEG.

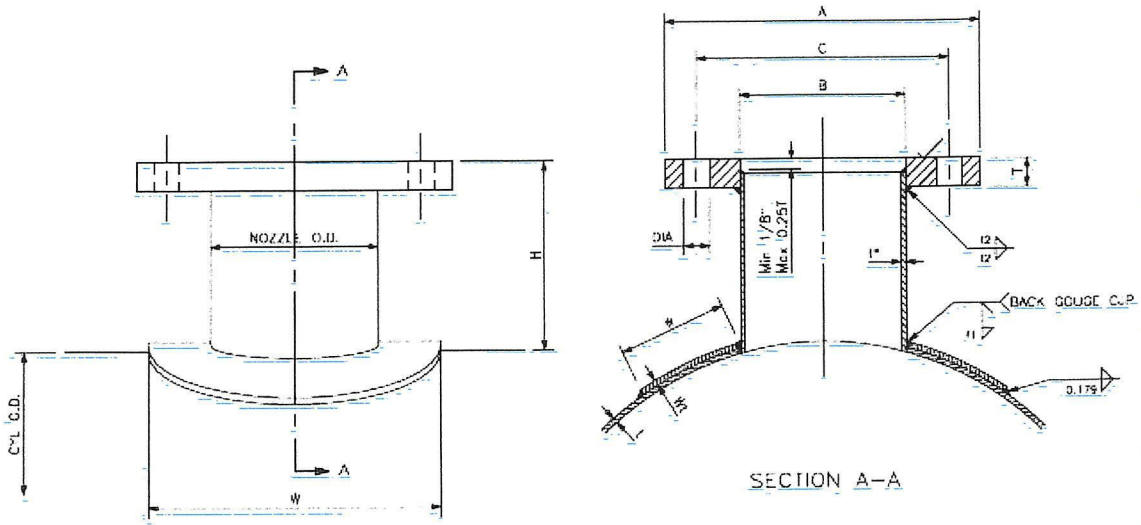
OUTLET LINING: C205 CEMENT MORTAR
 OUTLET COATING: C222 POLYURETHANE

FLG EDGE & BACK: C222 POLYURETHANE
 FLG MACHINED FACE: RUST VETO 344

| FE | FIN | GRD |
|----------|-----|-----|
| INTERIOR | 0.0 | 0.0 |
| EXTERIOR | 0.0 | 0.0 |

TYPICAL 2" HALF COUPLING DETAIL

SCALE: N.T.S.



- NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
 2. FLANGE TO BE TWO-HOLED ON RUN AXIS UNLESS OTHERWISE SHOWN ON MARK No DWG.
 3. OUTLET PIPE SHOWN AT 90 DEG TO RUN PIPE; SEE MARK No DWG FOR ANGLES OTHER THAN 90 DEG.

OUTLET LINING: C205 CEMENT MORTAR
 OUTLET COATING: C222 POLYURETHANE

FLG EDGE & BACK: C222 POLYURETHANE
 FLG MACHINED FACE: RUST VETO 344

| FE | FIN | GRD |
|----------|-----|-----|
| INTERIOR | O.D | O.D |
| EXTERIOR | O.D | O.D |

TYPICAL WELDED STEEL OUTLET DETAIL

SCALE: N.T.S.

Application for Encroachment Permit

S.C. Department of Transportation
Form 637 (Rev 09/2015)

Contact Information

Applicant: City of Myrtle Beach
Street: P.O. Drawer 2468

City: Myrtle Beach
State: SC v **Zip Code:** 29578
Phone: (843)918-2023 **Fax:**
Email: camiller@cityofmyrtlebeach.com
Contact: Chris Miller

Project Location

Primary County: Horry v

| County | Road Name |
|--------|----------------------|
| Horry | N Hwy 17 Byp (US 17) |

1. Type of Encroachment: WATER

Installation of a City of Myrtle Beach Parallel Water Transmisson Main.

2. Description of Location:

Boring under N Hwy 17 bypass at the intersection of 33rd Ave N and N Hwy 17 Bypass and connecting to the existing 36" water line.

(Attach sketch indicating roadway features such as: pavement width, shoulder width, sidewalk and curb and gutter location, significant drainage structure, north arrow, right of way width, and location of the proposed encroachment with respect to the roadway centerline and the nearest intersecting road on the State system.)

3. The undersigned applicant hereby requests the SCDOT to permit encroachment on the SCDOT right of way as described herein. It is expressly understood that the encroachment, if and when constructed, shall be installed in accordance with the sketch attached hereto and made a part hereof. The applicant agrees to comply with and be bound by the SCDOT's "A Policy for Accommodating Utilities on Highways Rights of way", "Standard Specifications for Highway Construction", the "General Provisions" and "Special Provisions", attached hereto or made a part hereof by reference, during the installation, operation and maintenance of said encroachment within the SCDOT's Right of Way. DISCHARGES OF STORM WATER AND NON-STORM WATER: Work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit(s) issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. The encroachment permit will not be issued until the applicant has received an NPDES construction permit from SC Department of Health and Environmental Control.

The applicant agrees to comply with all current SCDOT Standards Specifications for Highway Construction including all Supplemental Technical Specifications. The applicant hereby further agrees, and binds his/her/its heirs, personal representatives, successors, assigns, to assume any and all liability for accidents or injuries to persons, or damage to property, including the highway, that may be caused by the construction, maintenance, use, moving or removing of the physical appurtenances contemplated herein.

Applicant's Name:

Date: 05/23/2023

(Please print or type)

Applicant's Sig: 

Title:

For Office Use Only

For Office Use Only

In accordance with your request and subject to all the provisions, terms, conditions, and restrictions stated in the application and the general and special provisions attached hereto, the SCDOT hereby approves your application for an encroachment permit. This permit shall become null and void unless the work contemplated herein shall have been completed prior to:

See Attached Special Provision and/or Permit Requirements

NPDES Permit

Nbr:

APPROVED
By Angela W. Hicks at 9:21 am, Jul 27, 2023

(Date received by res. Maint. Engr.)

(SCDOT Approval)

(Date)

Application for Encroachment Permit **General Provisions**

1. **DEFINITIONS:** The word "Permittee" used herein shall mean the name of the person, firm, or corporation to whom this permit is addressed, his, her, its, heirs, personal representatives, successors and assigns. The word "DEPARTMENT" shall mean the South Carolina Department of Transportation.
2. **NOTICE PRIOR TO STARTING WORK:** Before starting the work contemplated herein within the limits of the highway right of way, the Department's Resident Maintenance Engineer in the county in which the proposed work is located shall be notified 24 hours in advance so that he may be present while the work is under way.
3. **PERMIT SUBJECT TO INSPECTION:** This permit shall be kept at the site of the work at all times while said work is under way and must be shown to any representative of the Department or law enforcement officer on demand.
4. **PROTECTION OF HIGHWAY TRAFFIC:** The applicant shall be responsible for the protection of the highway traffic at all times during the construction, maintenance, removing or moving of the encroachment permitted herein. Detours, barricades, warning signs and flagmen, as necessary, shall be provided by and at the expense of the Permittee and shall be in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD). The work shall be planned and carried out so that there will be the least possible inconvenience to the motoring public. The Permittee agrees to observe all rules and regulations of the Department while carrying on the work contemplated herein and take all other precautions that circumstances warrant.
5. **STANDARDS OF CONSTRUCTION:** All work shall conform to the Department's standards of construction and shall be performed in a workman-like manner. The applicant shall make adequate provisions for maintaining the proper drainage of the highway as it may be affected by the encroachment permitted herein. All work shall be subject to the supervision and satisfaction of the Department.
6. **FUTURE MOVING OF PHYSICAL APPURTENANCES:** If, in the opinion of the State Highway Engineer, it should ever become necessary to move or remove the

physical appurtenances, or any part thereof contemplated herein, on account of change in location of the highway, widening of the highway, or for any other sufficient reason, such moving shall be done on demand of the Department at the expense of the Permittee, unless the Permittee has prior rights.

7. **RESTORATION OF HIGHWAY FACILITIES UPON MOVING OR REMOVING OF PHYSICAL APPURTENANCES:** If, and when, the physical appurtenances contemplated herein shall be moved or removed, either on the demand of the Department or at the option of the Permittee, the highway and facilities shall immediately be restored to their original condition at the expense of the Permittee, unless the Permittee has prior rights, if any.
8. **COSTS:** All work in connection with the construction, maintenance, moving or removing of the physical appurtenances contemplated herein shall be done by and at the expense of the Permittee.
9. **ADDITIONAL PERMISSIONS:**
 - (a) It is distinctly understood that this permit does not in any way grant or release any rights lawfully possessed by the abutting property owners. The Permittee shall secure any such rights, as necessary, from said abutting property owners.
 - (b) The Permittee shall be responsible for obtaining all other approvals or permits necessary for installation of the encroachment from other government entities.

(c) There shall be no excavation of soil nearer than two feet to any public utility line or appurtenant facility except with the consent of the owner thereof, or except upon special permission of this Department after an opportunity to be heard is given the owner of such line or appurtenant facility.

10. ADDITIONAL WORK PERFORMANCE:

(a) All crossings over the highway shall be constructed in accordance with "Specifications for Overhead Crossings of Light and Power Transmission Lines and Telegraph Lines over each other and over Highway Rights of Way in South Carolina," as approved by the Public Service Commission of South Carolina and effective as of date of this permit.

(b) All tunneling, boring, or jacking shall be done in such a way as not to disturb the highway surfacing.

(c) No pavement shall be cut unless specifically authorized herein.

(d) No excavation shall be nearer than three feet to the edge of pavement unless specifically authorized herein.

(e) Underground facilities will be located at minimum depths as defined in the "Utility Accommodations Manual" for the transmittant, generally as follows: 4 feet minimum for hazardous or dangerous transmittant, 3 feet minimum for other lines. The Department may approve shallower depths if adequate protection is provided. Such approval must be obtained in writing.

(f) Service and other small diameter pipes shall be jacked, driven, or otherwise forced underneath the pavements on any surfaced road without disturbing the pavement. The section under the highway pavement and within a distance of three (3) feet on either side shall be continuous without joints.

11. ACCESS:

(a) Permittee is responsible for maintaining reasonable access to private driveways during construction.

(b) It is expressly provided that, with respect to any limited access highway, the Permittee shall not have or gain access from the main traveled way of the highway, or the on or off ramps to such facility, except upon approval by the Department.

12. DRIVEWAYS:

(a) The existing crown of the highway shall be continued to the outside shoulder line of the highway.

(b) If the driveway or approach is concrete pavement, the pavement shall be constructed at least 6 inches thick and with a minimum of class 2500 concrete. There shall be a bituminous expansion joint, not less than 3/4 inches in thickness, placed between the highway paving and the paving of the approach for the full width of the approach.

13. BEAUTIFICATION:

(a) All trees, plants, flowers, etc. shall be placed in accordance with the provisions specifically stipulated herein.

(b) All trees, plants, flowers, etc. shall be maintained by, and at the expense of, the Permittee and the provisions of this permit shall become null and void, if and when said Permittee ceases to maintain aid trees, plants, flowers, etc.

14. AS-BUILT PLANS:

(a) The applicant shall provide the Department with survey-quality as-built plans in accordance with the requirements set forth in the Department's "A Policy for Accommodating Utilities on Highway Rights of Way".

15. COMPLETE STREETS:

Reference Departmental Directive 28, "Complete Streets". For encroachment permit types that require a Traffic Impact Study (TIS), the applicant shall consider the inclusion of walking, bicycling, and transit accommodations within the scope of the encroachment. The applicant shall review walking, bicycling, and transit plans from Metropolitan Planning Organizations (MPOs), Councils of Government (COGs), and regional transit providers to determine the scope of accommodations for complete streets. Coordination with the District Permit Engineer is required to determine if the inclusion of walking, bicycling, and transit accommodations are conducive for implementation based on the scope of the encroachment.

Horry County Government

Engineering Department
encroachment@horrycounty.org



Horry County Public Works Complex
4401 Privetts Road
Conway, South Carolina 29526
Phone 843.915.5160 || Fax 843.365.2170

Encroachment Permit

(submit your application to the email address or mailing address above)

Applicant Information

Applicant Name: City of Myrtle Beach - Chris Miller
Applicant Mailing Address: P.O Drawer 2468
Applicant Email Address: camiller@cityofmyrtlebeach.com
Applicant Telephone #: (843) 918 _ 2023

Encroachment Details/Information

Road Name &/or Address where the Encroachment Permit is needed:
Old Bryan Drive, Elizabeth Road, Church Street, & 33rd Avenue North
*** Chaucer Ln is replacing Elizabeth Rd.

Property TMS &/or PIN #: Roadway R/W's

Description of Work:
Installation of a 48" water transmission main in the roadway R/W's to handle future projected water demands for the City of Myrtle Beach & the City of North Myrtle Beach.

The undersigned applicant hereby applies to the County of Horry for permission for encroachment on County right-of-way or easement and agrees to comply with all conditions noted herein and all applicable Local, State and Federal laws. This permit for installation shall expire six months from the date of approval or as noted on the permit.

Applicant Name (Print): City of Myrtle Beach - Chris Miller

Applicant Signature:  Date: 5/23/23


Complete/Sign the following pages for the General Provisions, Special Provisions, Plan Details, and Location Map

Engineering Department Use Only

Permit Number: 170749

Permit Expiration Date: 04/01/2024

Road Segment #: 4477.1, 547, 560, 555, 501

Approved By: 

GENERAL PROVISIONS

1. Notice shall be given at least 72 hours prior to starting work covered by this permit.
2. Upon completion of the work all County road right-of-way and easement areas disturbed shall be restored to at least as good a condition as existed prior to the start of work.
3. Work covered by this permit is subject to inspection for compliance with the terms of the permit. This permit may be revoked if the terms and conditions are not adhered to. A copy of this permit shall be kept on-site while work is underway.
4. Traffic control within the construction area shall be the responsibility of the Permittee and shall comply with State and local law and shall be as indicated in the current edition of the SCDOT Manual on Uniform Traffic Control Devices for Streets and Highways Through traffic to be maintained at all times with no trenches or excavations left open overnight. Traffic may be reduced to one lane during daylight hours if flagmen are utilized, however at the end of each workday traffic shall be returned to two lanes.
5. All materials and construction methods are to be in accordance with the current edition of the SCDOT Standard Specifications for Highway Construction.
6. Future moving of the encroachment: If in the opinion of Horry County, it becomes necessary to move, remove or relocate the encroachment permitted herein, all such work including restoration of the roadway, shall be done on demand of the County at the sole expense of the Permittee.
7. There shall be no excavation nearer than two feet of any other utility line or facility without the express permission of the owner of said line or facility.
8. All construction shall be subject to final inspection by the Horry County Engineer or his approved representative. The Permittee shall be subject to a warranty period of one (1) year from the date of final acceptance. Deficiencies such as settling of the roadbed, erosion, failure of grass to establish, etc. caused by the work permitted herein shall be repaired by the Permittee within 30days of notification by the County or sooner if a hazardous situation develops.
9. The Permittee agrees to hold Horry County, its officers and employees harmless from any liability for any accident, loss or damage as a result of any claim arising as a result of the work covered by this permit and that said liability is hereby assumed by the applicant.

Applicant Name (Print): City of Myrtle Beach - Chris Miller

Applicant Signature:  Date: 5/23/23

Engineering Department Use Only

Permit Number: _____

Permit Expiration Date: _____

Road Segment #: _____

Approved By: 

SPECIAL PROVISIONS

1. Shoulders and ditches which are disturbed shall be replanted in accordance with section 810 of the SCDOT Standard Specifications noted above and a satisfactory stand of grass is required.
2. No obstructions or earth to be placed on pavement without permission.
3. Any areas disturbed beneath pavement or across driveways or within any portion of the traveled roadway shall be stabilized with an acceptable base material immediately after backfilling operations. Suitable material shall be defined as coquina (shell aggregate) or a suitable grade of crusher run stone (stabilized aggregate).
4. Any excess spoil material resulting from construction shall be removed immediately following backfilling operations. Horry County shall reserve the authority to halt all construction activities if spoil material prohibits proper road or ditch drainage, or creates any hazardous conditions that might endanger pedestrian or automobile traffic.
5. Roadbeds and drainage ditches shall be rebuilt to provide proper service after every 500 feet of construction, at the end of each day's work, or after County inspection of a major situation.
6. When County drain pipes or other facilities are damaged, the County should be notified immediately and the repairs or replacement made under County supervision.

DRIVEWAYS

1. Horry County is not responsible for maintenance or repair of driveways located within the road right of way. The driveway area within the right-of-way shall be maintained in a safe condition by the property owner or the County may require that it be removed.
2. The existing road crown slope shall be continued to the outside edge of the shoulder except in curb and gutter situations.
3. Concrete driveways shall be a minimum of 4 inches thick for single family residential use and a minimum of 6 inches thick for all other uses. Expansion joints shall be provided over drainage tiles to facilitate replacement or repair of the tile. These joints shall be located 12 inches on either side of the pipe.

UTILITY LINES

1. Pavement cuts are not allowed unless specifically permitted herein. Any pavement cuts which are permitted shall be saw cut and repaired as indicated in the approved plans or as ordered by Horry County.
2. No excavation shall closer than 3 feet from the edge of the pavement.
3. All underground lines shall be placed a minimum of 36 inches deep.

ENVIRONMENTAL REQUIREMENTS

The following is a general guideline for Stormwater, Erosion and Sediment Control:

1. The size of the disturbed area shall be kept to a minimum. Erosion and sediment control, and revegetation must be in accordance with The South Carolina Department of Transportation (SCDOT) specifications and Horry County ordinances. Adequate measures shall be taken to prevent erosion and to restore vegetation along the length of the construction area. Unsatisfactory restoration work shall be promptly corrected by the applicant. If necessary, unsatisfactory restoration work will be accomplished by the Division and billed to the permittee. Issuance of an Encroachment Permit does not relieve the Permittee from complying with other applicable Federal, State or Local laws, rules or regulations.
2. When land disturbance will be adjacent to wetlands or any waterbody silt fence shall be installed to protect the waterbody or wetland from any run off. Silt fence shall meet the requirements of SCDHEC's Best Management Practices.
3. All drainage inlets immediately downstream from the land disturbance shall be protected as per the requirements of SCDHEC's Best Management Practices Manual
4. Where sediment from the project site can enter into a drainage ditch the ditch shall be protected with an adequate check dam immediately downstream from the disturbed area and removed upon completion of final soil stabilization.
5. Stockpiles and spoil piles shall be kept off the pavement and protected with silt fence to contain any sediment runoff.

Applicant Name (Print): City of Myrtle Beach - Chris Miller

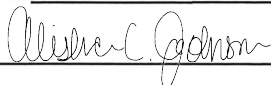
Applicant Signature:  Date: 5/23/23

Engineering Department Use Only

Permit Number: _____

Permit Expiration Date: _____

Road Segment #: _____

Approved By: 

PLAN

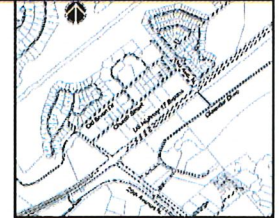
Road Name / Location Details:

Within the public R/W of Old Bryan Drive, Elizabeth Road, Church Street, & 33rd Avenue North

(provide plans and details below showing the work)

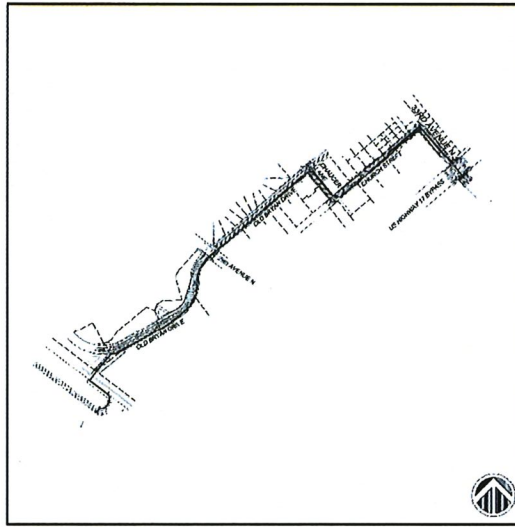
03/21/2023

Construction Plans for City of Myrtle Beach Parallel LDM Water Transmission Main Phase 1



GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2019 SOUTH CAROLINA CONSTRUCTION CODE, THE 2018 FDOT ROAD DESIGN MANUAL, ALL APPLICABLE REGULATIONS AND ORDINANCES.
2. WORK WITHIN PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY SHALL BE ACCOMPANIED BY THE CONSTRUCTION OF A TEMPORARY ENCLOSURE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE COMPLETED WITHIN THE 60 DAY PERIOD FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2019 SOUTH CAROLINA CONSTRUCTION CODE, THE 2018 FDOT ROAD DESIGN MANUAL, ALL APPLICABLE REGULATIONS AND ORDINANCES.
5. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND SHALL BE USED TO MEET THE SPECIFICATIONS AND STANDARDS OF THE 2019 SOUTH CAROLINA CONSTRUCTION CODE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFYING ALL AFFECTED UTILITIES AND ADJACENT PROPERTY OWNERS OF THE LOCATION AND EXTENT OF THE WORK PRIOR TO THE COMMENCEMENT OF WORK.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2019 SOUTH CAROLINA CONSTRUCTION CODE, THE 2018 FDOT ROAD DESIGN MANUAL, ALL APPLICABLE REGULATIONS AND ORDINANCES.
8. PROVISIONS SHALL BE MADE TO PREVENT TRAFFIC AND LITIGATION CAUSED BY CONSTRUCTION.
9. PROVISIONS SHALL BE MADE TO MAINTAIN POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE PATTERNS SHALL BE MAINTAINED BY CONSTRUCTION METHODS TO PREVENT FLOODING OF ADJACENT PROPERTIES.
10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2019 SOUTH CAROLINA CONSTRUCTION CODE, THE 2018 FDOT ROAD DESIGN MANUAL, ALL APPLICABLE REGULATIONS AND ORDINANCES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFYING ALL AFFECTED UTILITIES AND ADJACENT PROPERTY OWNERS OF THE LOCATION AND EXTENT OF THE WORK PRIOR TO THE COMMENCEMENT OF WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFYING ALL AFFECTED UTILITIES AND ADJACENT PROPERTY OWNERS OF THE LOCATION AND EXTENT OF THE WORK PRIOR TO THE COMMENCEMENT OF WORK.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFYING ALL AFFECTED UTILITIES AND ADJACENT PROPERTY OWNERS OF THE LOCATION AND EXTENT OF THE WORK PRIOR TO THE COMMENCEMENT OF WORK.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFYING ALL AFFECTED UTILITIES AND ADJACENT PROPERTY OWNERS OF THE LOCATION AND EXTENT OF THE WORK PRIOR TO THE COMMENCEMENT OF WORK.



SHEET SCHEDULE

| NO. | DESCRIPTION | DATE |
|------|--|-----------|
| 0201 | COVER SHEET | 5/23/2023 |
| 0202 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0203 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0204 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0205 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0206 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0207 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0208 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0209 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0210 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0211 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0212 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0213 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0214 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0215 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0216 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0217 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0218 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0219 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0220 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0221 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0222 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0223 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0224 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0225 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0226 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0227 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0228 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0229 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0230 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0231 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0232 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0233 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0234 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0235 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0236 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0237 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0238 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0239 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0240 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0241 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0242 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0243 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0244 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0245 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0246 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0247 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0248 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0249 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0250 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0251 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |
| 0252 | 18" DIA. WATER TRANSMISSION MAIN - PHASE 1 | 5/23/2023 |

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |

1248 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
PHONE: (843) 672-3200
FAX: (843) 672-3200
WWW.DDCENGINEERS.COM

| NO. | DATE | REVISION DESCRIPTION | BY |
|-----|------|----------------------|----|
| | | | |
| | | | |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

COVER SHEET

The undersigned applicant hereby applies to the County of Horry for encroachment on County right-of-way as shown on the plan above.

Applicant Name (Print): City of Myrtle Beach - Chris Miller

Applicant Signature: *Chris Miller* Date: 5/23/23

Engineering Department Use Only

Permit Number: _____ Permit Expiration Date: _____

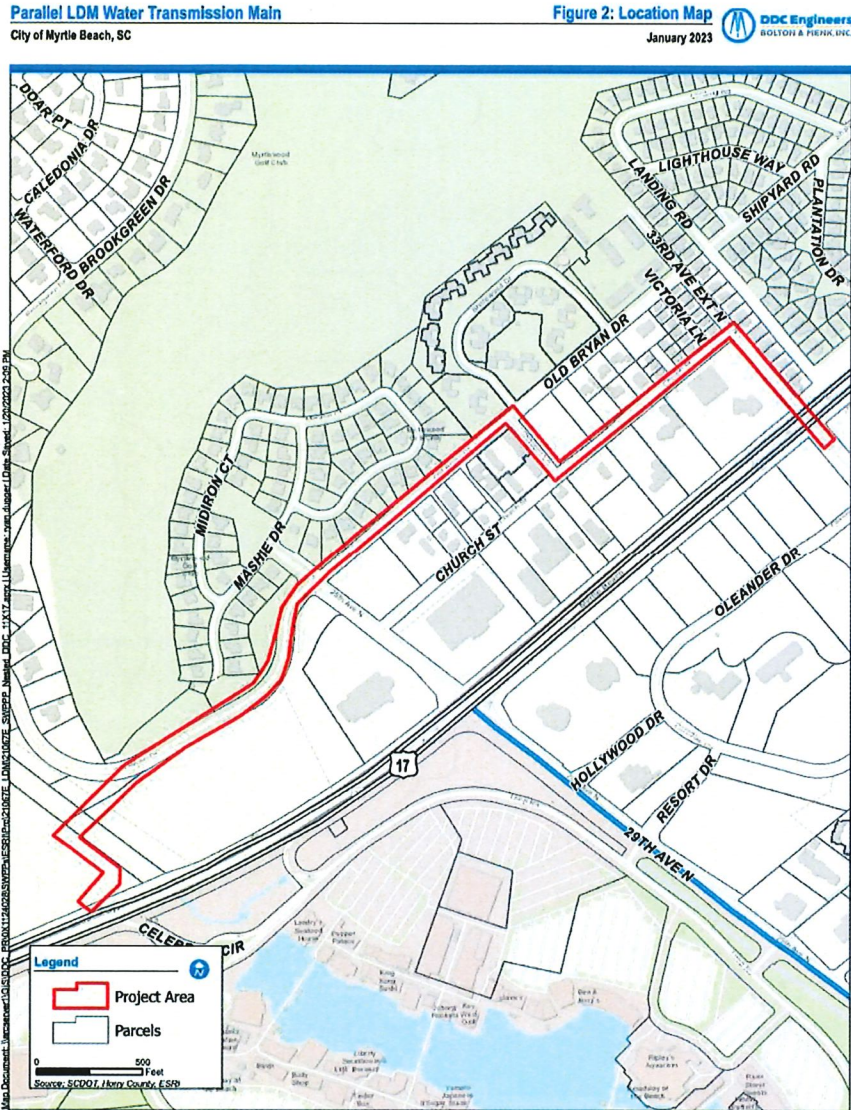
Road Segment #: _____ Approved By: _____

Location Map

Road Name / Location Details:

Within the public R/W of Old Bryan Drive, Elizabeth Road, Church Street, & 33rd Avenue North

(provide a sketch or map of the location below)



The undersigned applicant hereby applies to the County of Horry for encroachment on County right-of-way at the location shown on the map above.

Applicant Name (Print): City of Myrtle Beach - Chris Miller

Applicant Signature: *Chris Miller*

Date: 5/23/23

Engineering Department Use Only

Permit Number: _____

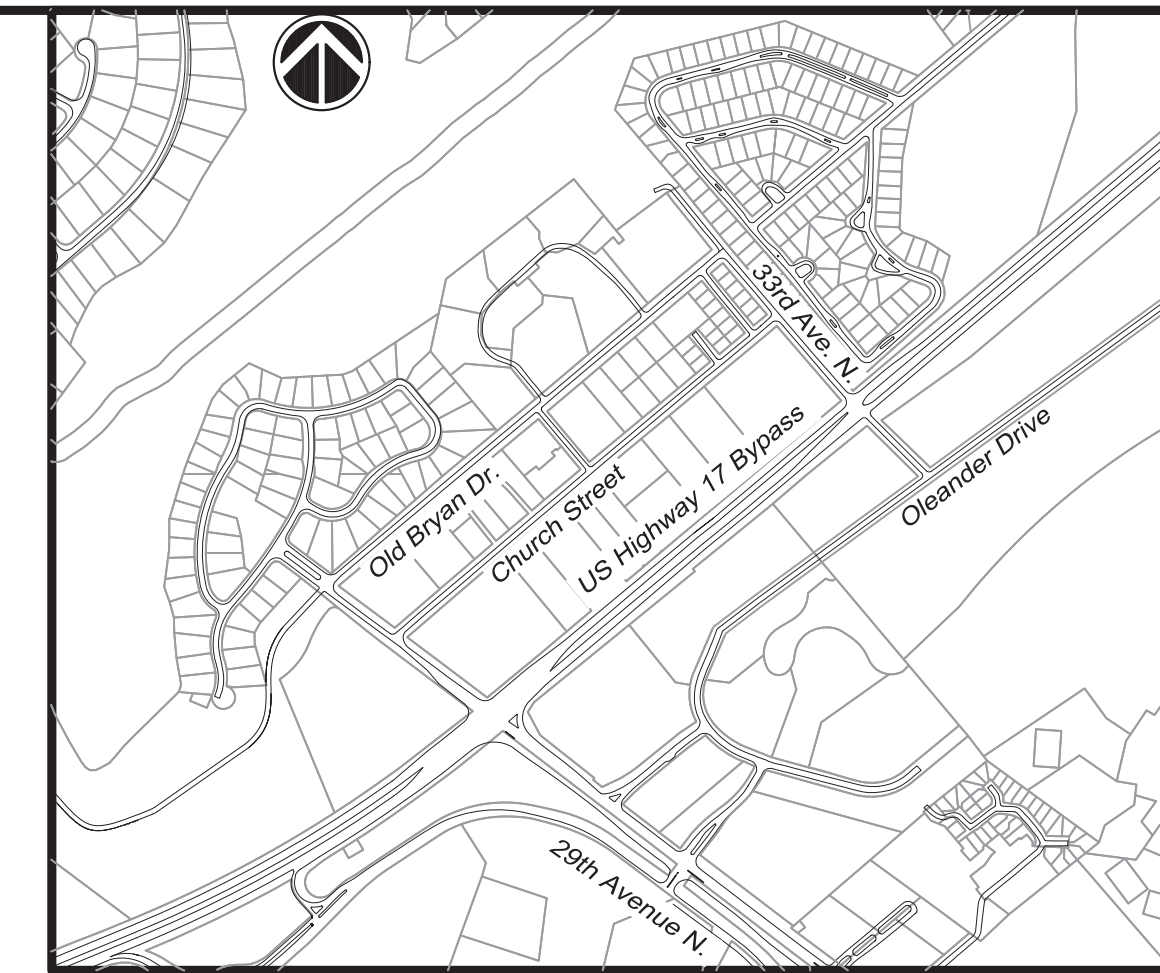
Permit Expiration Date: _____

Road Segment #: _____

Approved By: _____

Construction Plans for

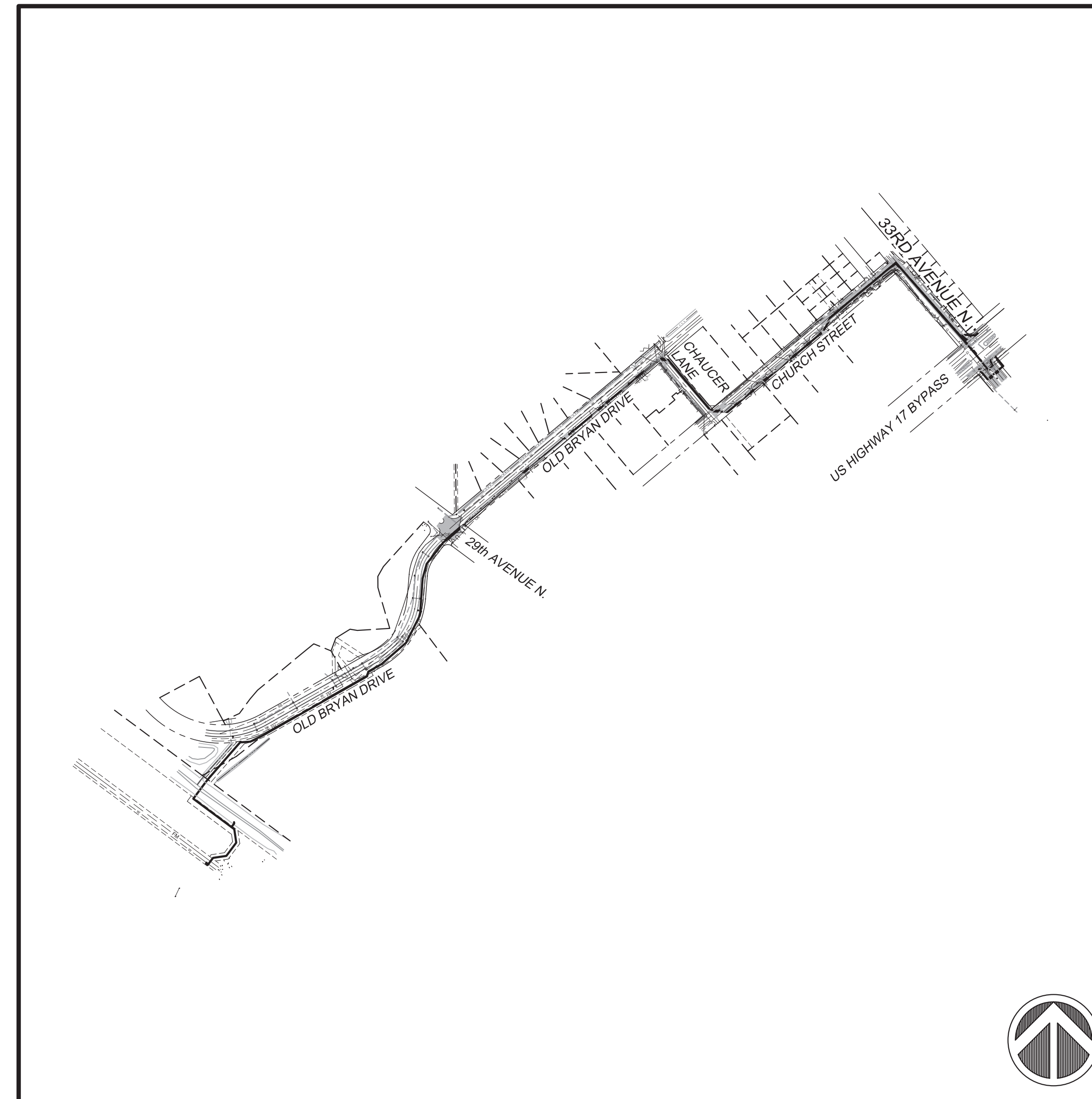
City of Myrtle Beach Parallel LDM Water Transmission Main Phase 1 - SCIIP PROJECT # A-23-C139



VICINITY MAP
N.T.S.

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, SOUTH CAROLINA AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS.
- WORK WITHIN PUBLIC RIGHT-OF-WAYS OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTORS NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITE AT ALL TIMES.
- WORK WITHIN STATE HIGHWAY RIGHT-OF-WAYS SHALL BE COORDINATED WITH THE SCDOT PRIOR TO AND DURING CONSTRUCTION, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE ENCROACHMENT PERMITS.
- ALL WORK SHALL COMPLY WITH THE FOLLOWING:
"A POLICY FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHT-OF-WAYS" BY THE SCDOT DATED MARCH 1987, A COPY OF WHICH IS AVAILABLE FROM THE STATE UTILITIES ENGINEER'S OFFICE IN COLUMBIA.
"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" BY THE FHA, DATED 2000 (OR LATEST STANDARDS) AND ALL SUBSEQUENT ADDENDA, SHALL BE USED TO DETERMINE SIGNAGE AND TRAFFIC CONTROL REQUIREMENTS.
"STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" BY SCDOT, DATED 2007 (OR LATEST STANDARDS), SHALL BE USED TO DETERMINE MATERIALS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR REPAIRING ANY DAMAGE TO SAME. UTILITY LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT MAY HAVE SERVICE IN THE AREA FOR AN ACCURATE LOCATION PRIOR TO BEGINNING WORK.
- WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, CONTRACTOR SHALL STAKE THE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.
- ALL TRENCHES SHALL BE COMPACTED TO 98% STANDARD PROCTOR. TRENCHES LOCATED IN ASPHALT PAVED AREAS SHALL BE BACKFILLED WITH SELECT SAND. EXCESS EXCAVATION MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT NO ADDITIONAL COST TO THE OWNER.
- PROVISIONS SHALL BE MADE TO PREVENT EROSION AND SILTATION CAUSED BY CONSTRUCTION. TEMPORARY GRASSING, HAY BALES, SILT FENCES OR OTHER METHODS; AS CALLED FOR ON THE PLAN OR THAT MAY BE REQUIRED; SHALL BE USED.
- PROVISIONS SHALL BE MADE TO ENSURE POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE FEATURES DISTURBED BY CONSTRUCTION MUST BE RE-ESTABLISHED. NO PONDING DUE TO SPOILS STOCKPILING OR OTHER ACTIVITIES SHALL BE PERMITTED.
- ALL EXISTING STRUCTURES, UTILITIES, AND PHYSICAL FEATURES SHOWN ON THE PLANS ARE EXISTING UNLESS OTHERWISE LABELLED OR NOTED.
- PROPERTY LINES SHOWN ON THE PLANS ARE BASED ON A RECENT SURVEY OF THE RIGHT-OF-WAY OF CANAL STREET AND THE FRONTAGE OF NUMEROUS PROPERTIES ALONG THIS ROUTE. PROPERTY LINES SHOULD BE CONSIDERED ACCURATE FOR THE PURPOSES OF THIS PROJECT, HOWEVER A COMPLETE BOUNDARY SURVEY OF ALL PROPERTIES ALONG THIS ROUTE WAS NOT COMPLETED FOR THIS PROJECT.
- THREE DAYS BEFORE DIGGING IN SOUTH CAROLINA CALL 811 PALMETTO UTILITY LOCATION SERVICE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- CONTRACTOR SHALL NOT LEAVE ANY DITCHES OPEN OVERNIGHT.



PROJECT LAYOUT
SCALE: 1" = 400'

SHEET SCHEDULE

| SHEET NUMBER | SHEET TITLE | ORIGINAL DATE | REVISION DATE |
|--------------|---|---------------|---------------|
| GENERAL | | | |
| G0.01 | COVER SHEET | 1/17/2023 | 7/19/2023 |
| C2.01 | SEDIMENT AND EROSION CONTROL DETAILS | 1/17/2023 | 7/19/2023 |
| C2.02 | SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 | 1/17/2023 | 7/19/2023 |
| C2.03 | SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 | 1/17/2023 | 7/19/2023 |
| C2.04 | SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 | 1/17/2023 | 7/19/2023 |
| C2.05 | SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 | 1/17/2023 | 7/19/2023 |
| C2.06 | SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 | 1/17/2023 | 7/19/2023 |
| C3.01 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.02 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.03 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.04 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.05 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.06 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.07 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.08 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.09 | PROPOSED PLAN AND PROFILE | 1/17/2023 | 7/19/2023 |
| C3.10 | PROPOSED PRV #18 AND DETAILS | 7/19/2023 | 7/19/2023 |
| C5.01 | DETAILS | 1/17/2023 | 7/19/2023 |
| C5.02 | DETAILS | 1/17/2023 | 7/19/2023 |
| C5.03 | DETAILS | 7/19/2023 | 7/19/2023 |
| T1 | TRAFFIC CONTROL PLAN | 1/17/2023 | 7/19/2023 |
| T2 | DETOUR PLAN | 1/17/2023 | 7/19/2023 |

REVISION OCCURRENCE LIST

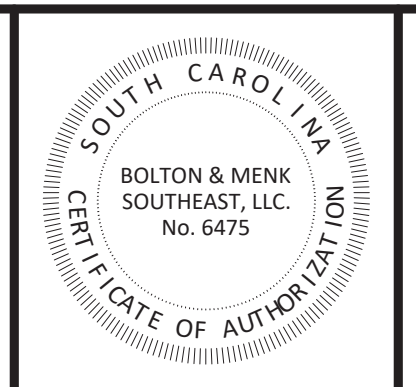
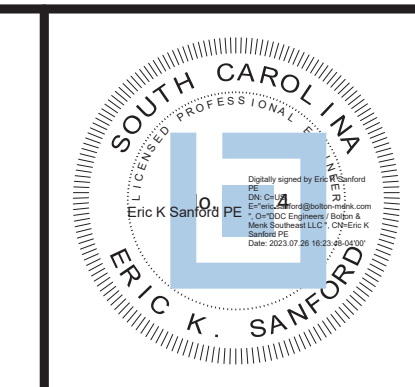
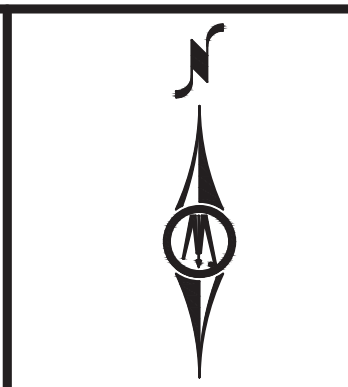
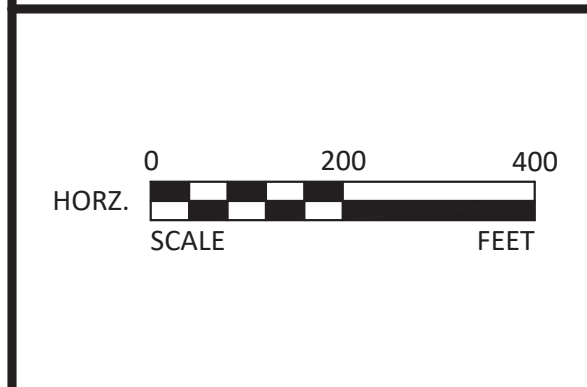
| REVISION NO. | DATE | REVISION DESCRIPTION | BY |
|--------------|-----------|------------------------------------|-----|
| 2 | 7/19/2023 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| 1 | 6/26/2023 | REVISED PER SCDOT COMMENTS. | PES |

THIS SET IS CURRENT THROUGH SHEET DATED:

Prepared for:
City of Myrtle Beach
P.O. Drawer 2468
Myrtle Beach, S.C. 29578



SCIIP PROJECT # A-23-C139



1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| DATE | SCALE | DESIGNED | DRAWN | CHECKED | CLIENT PROJ. NO. | NO. | DATE | REVISION DESCRIPTION | BY |
|---------|-----------|----------|-------|---------|------------------|-----|---------|------------------------------------|-----|
| 1/17/23 | 1" = 200' | EKS | PES | 2 | 21067E | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| | | | | 1 | | 1 | 6/26/23 | REVISED PER SCDOT COMMENTS. | PES |

| | |
|--|-------------|
| CITY OF MYRTLE BEACH | COVER SHEET |
| PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1 | |
| HORRY COUNTY, SOUTH CAROLINA | |

SHEET
G0.01

EROSION CONTROL LEGEND

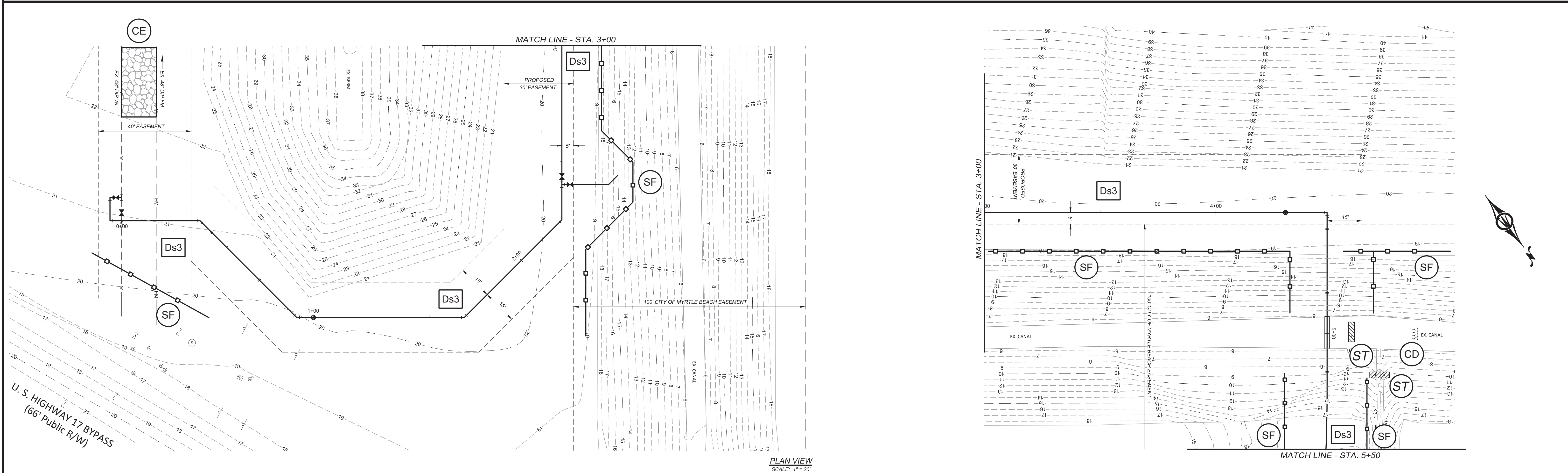
| SYMBOL | PRACTICE | DESCRIPTION |
|--------|--|--|
| | INLET PROTECTION | A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM. |
| | OUTLET PROTECTION | RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES. |
| | TEMPORARY CHECK DAM | RIP RAP BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OF DRAINAGE OUTLETS. |
| | SILT FENCE | A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF. |
| | CONSTRUCTION LIMITS | A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION. |
| | PERMANENT EROSION CONTROL MATTING (HIGH PERFORMANCE TYP. FROM MAT BY S1 GEOSOLUTIONS OR EQUAL) | A PERMANENT REINFORCEMENT MAT TO PREVENT SOIL EROSION AND MAINTAIN PERMANENT GROUND COVER. |
| | SEDIMENT TUBE | SEDIMENT TUBE PLACED IN EXISTING OR PROPOSED DITCH SECTIONS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OR DRAINAGE OUTLETS. |
| | CONSTRUCTION ENTRANCE | A STONE STABILIZED PAD LOCATED AT ANY POINT THAT TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING LOT WHICH WILL REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE. |
| | DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION) | ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS. |

SEEDING NOTES:

- INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
- NOT REQUIRED ON SHOULDERS, MEDIANS, ETC., AND SLOPES UNDER 5 FEET IN HEIGHT.
- GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
- RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05 DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
- PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.
- THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDING AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

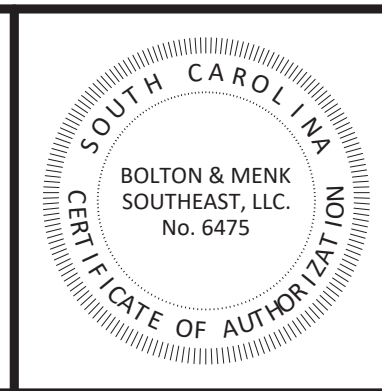
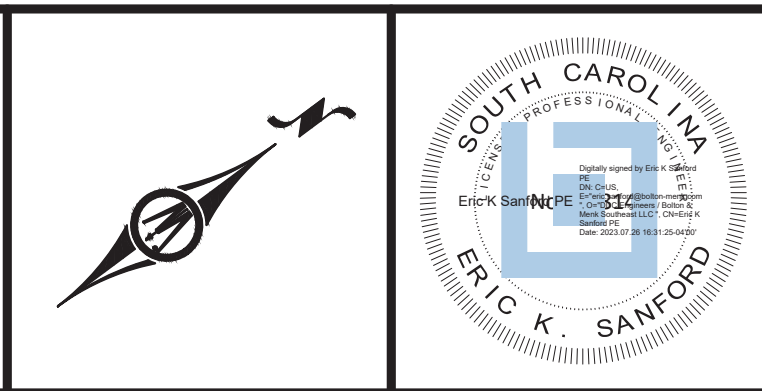
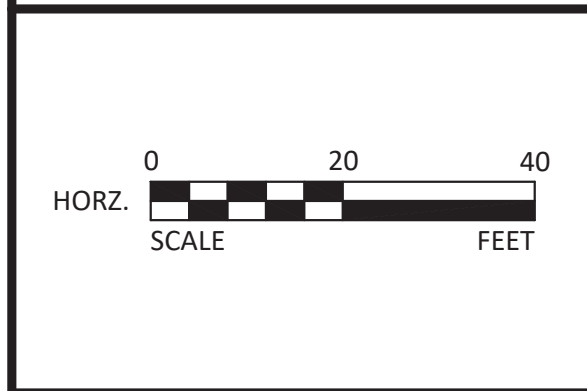
CONSTRUCTION SEQUENCE NOTES

- OBTAIN ALL NECESSARY PERMITS.
- ON SITE PRE-CON MEETING WITH THE CONTRACTOR, ENGINEER, OWNER AND CONSTRUCTION MANAGER.
- CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WITHIN AND IMMEDIATELY ADJACENT TO THE PROJECT AREA.
- INSTALL SILT FENCE, TREE PROTECTION AND INLET PROTECTION.
- SCHEDULE SILT FENCE AND TREE PROTECTION INSPECTION WITH ENGINEER AND CONSTRUCTION MANAGER. NO LAND DISTURBANCE MAY START UNTIL SILT FENCE AND TREE PROTECTION HAVE BEEN APPROVED.
- UPON INSTALLING ALL PERIMETER EROSION CONTROL, CLEAR AND GRUB SITE.
- CONSTRUCT WATER LINE.
- GRADE AND SEED SITE, PLACE AND COMPACT G.A.B.C. IN PAVED AREAS.
- COMPLETE ALL REMAINING SITE IMPROVEMENTS AND PAVEMENT.
- STABILIZE SITE, INSTALL LANDSCAPING AS SOON AS PRACTICAL AFTER CONSTRUCTION IS COMPLETE.
- SEED OR PLANT FERTILIZER ON DISTURBED AREA PER NOTES AND SPECIFICATIONS. WATER AND MAINTAIN ALL SEEDING AND PLANTED AREAS TO ENSURE PROPER GROUND COVER PRIOR TO FINAL APPROVAL.
- UPON APPROVAL BY SCDHEC / OCRM REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.



PLAN VIEW
SCALE: 1" = 20'

SCIIP PROJECT # A-23-C139



1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | |
|------------------|----------|-----|------|----------------------|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION |
| | | | | |

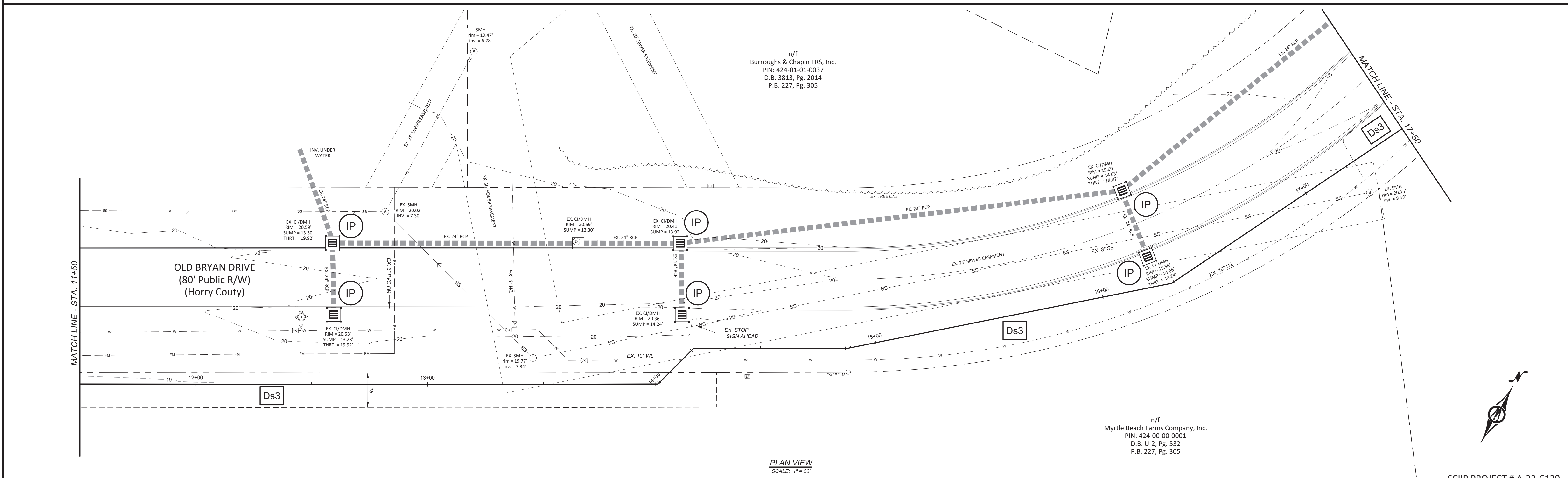
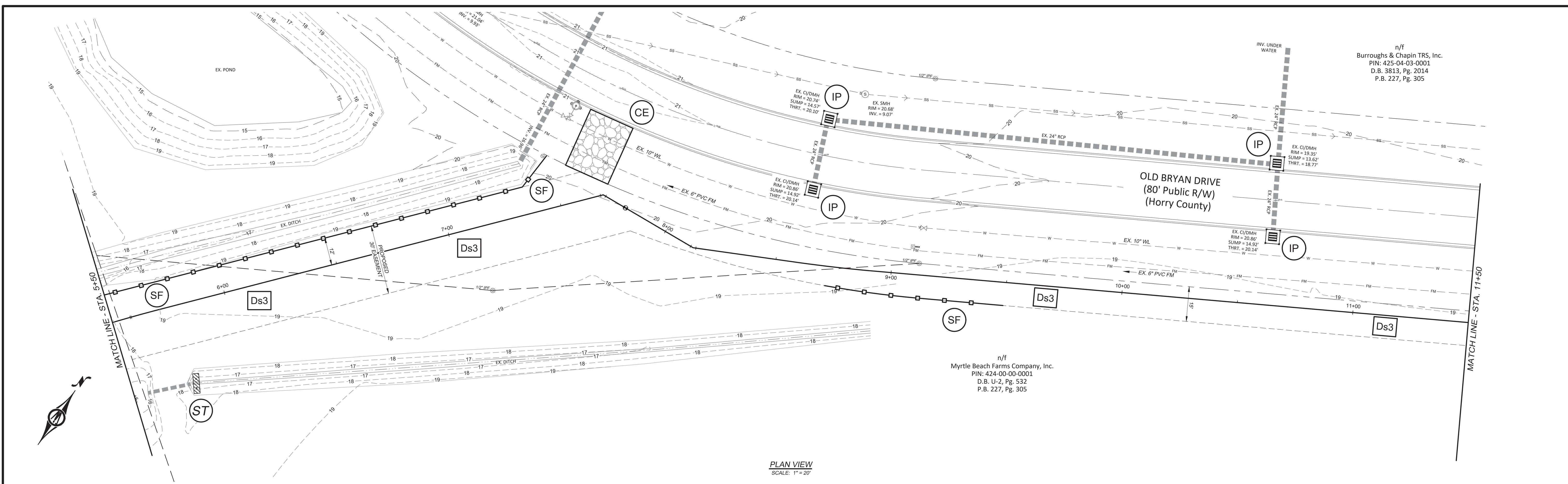
| | | |
|--|--|-------|
| CITY OF MYRTLE BEACH | | SHEET |
| PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1 | | |
| HORRY COUNTY, SOUTH CAROLINA | | C2.02 |
| SEDIMENT AND EROSION CONTROL PLAN PHASE I | | |

n/f
Burroughs & Chapin TRS, Inc.
PIN: 425-04-03-0001
D.B. 3813, Pg. 2014
P.B. 227, Pg. 305

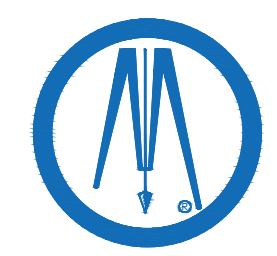
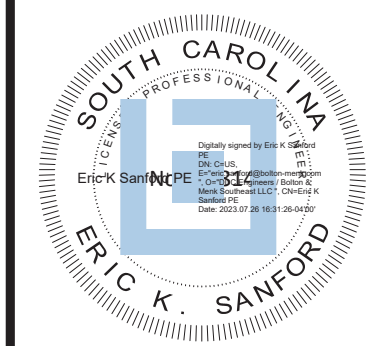
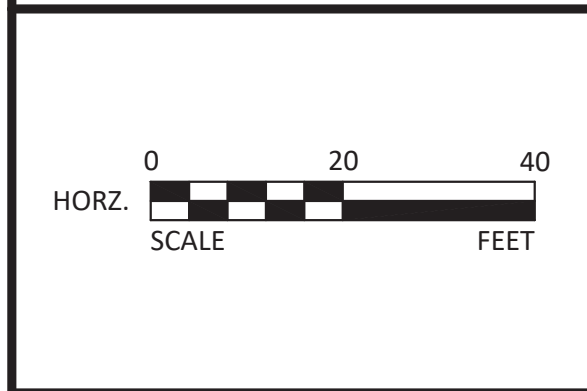
n/f
Myrtle Beach Farms Company, Inc.
PIN: 424-00-00-0001
D.B. U-2, Pg. 532
P.B. 227, Pg. 305

n/f
Burroughs & Chapin TRS, Inc.
PIN: 424-01-01-0037
D.B. 3813, Pg. 2014
P.B. 227, Pg. 305

n/f
Myrtle Beach Farms Company, Inc.
PIN: 424-00-00-0001
D.B. U-2, Pg. 532
P.B. 227, Pg. 305



SCIIP PROJECT # A-23-C139

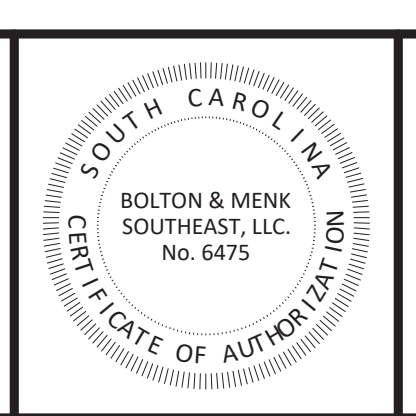
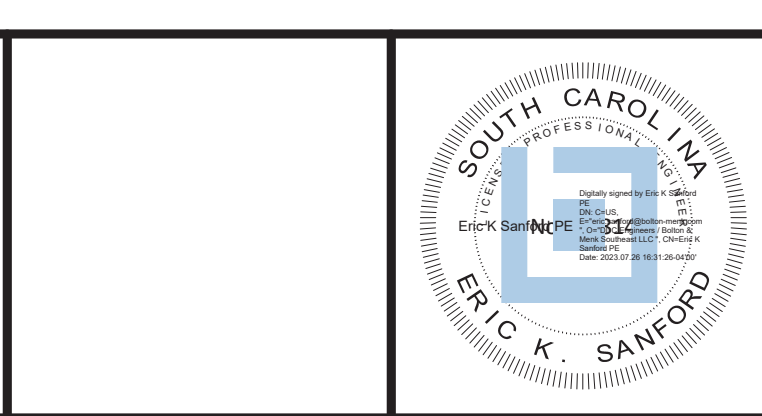
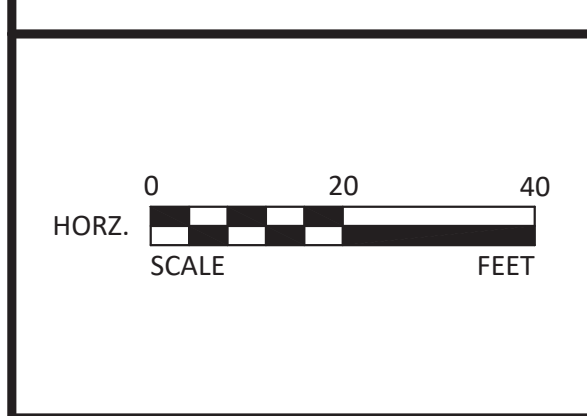
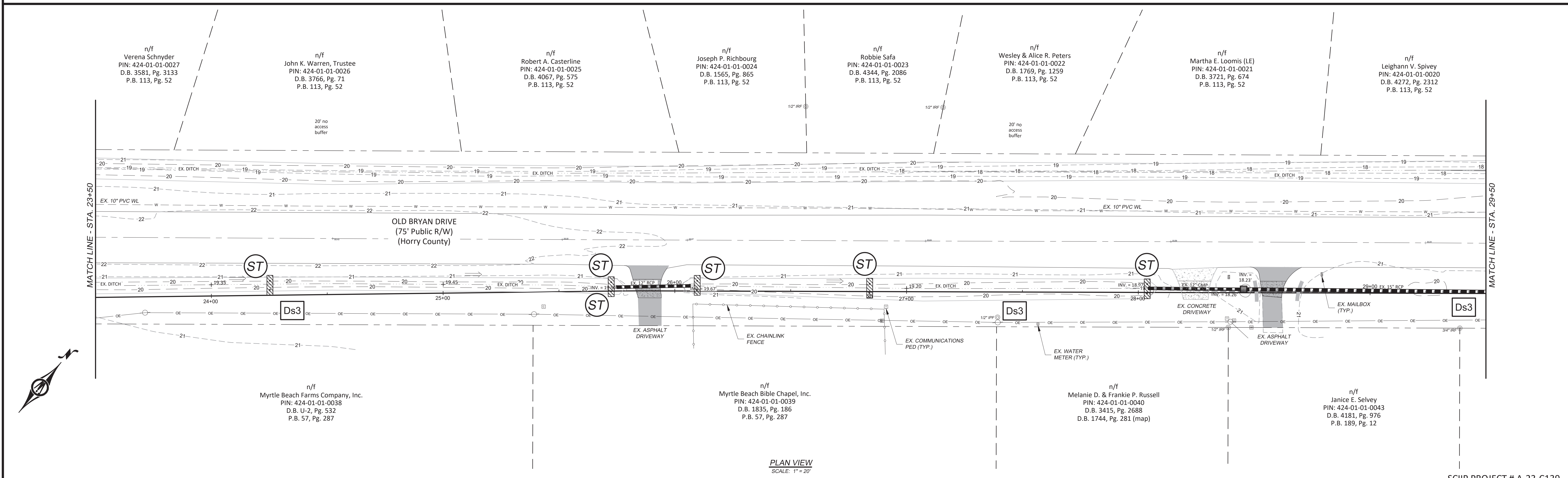
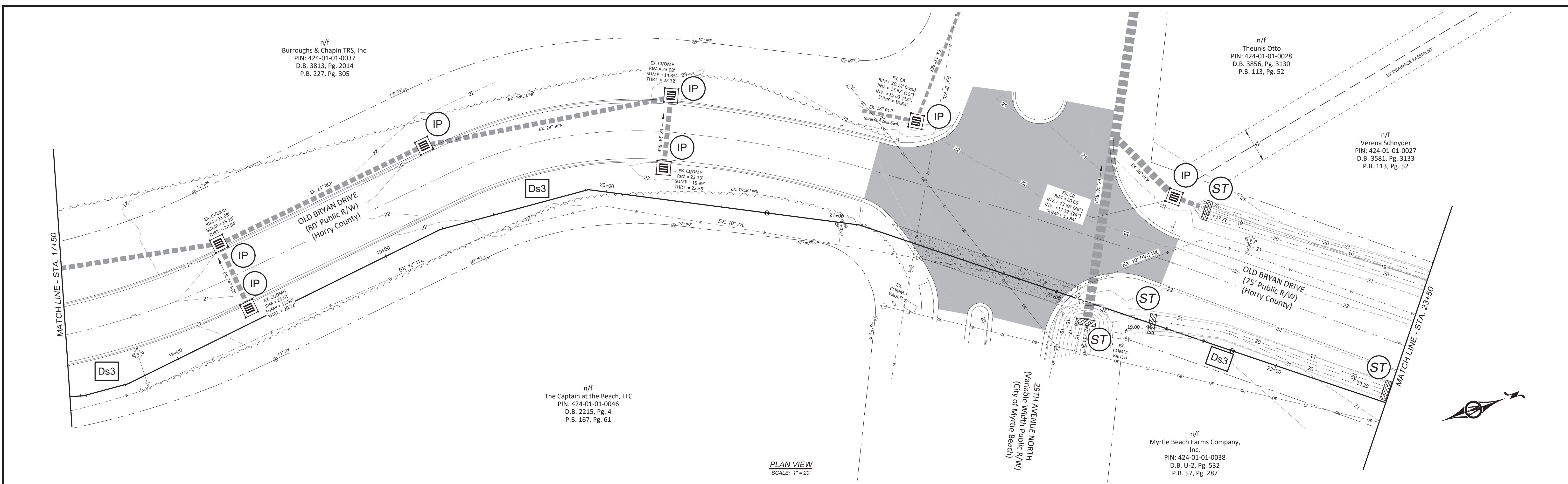


DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | |
|------------------|----------|-----|------|----------------------|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION |
| | | | | BY |

| | | |
|--|--|-------|
| CITY OF MYRTLE BEACH | | SHEET |
| PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1 | | |
| HORRY COUNTY, SOUTH CAROLINA | | |
| SEDIMENT AND EROSION CONTROL PLAN PHASE 1 | | C2.03 |



DDC Engineers
BOLTON & MENK, INC.
 www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
 www.bolton-menk.com

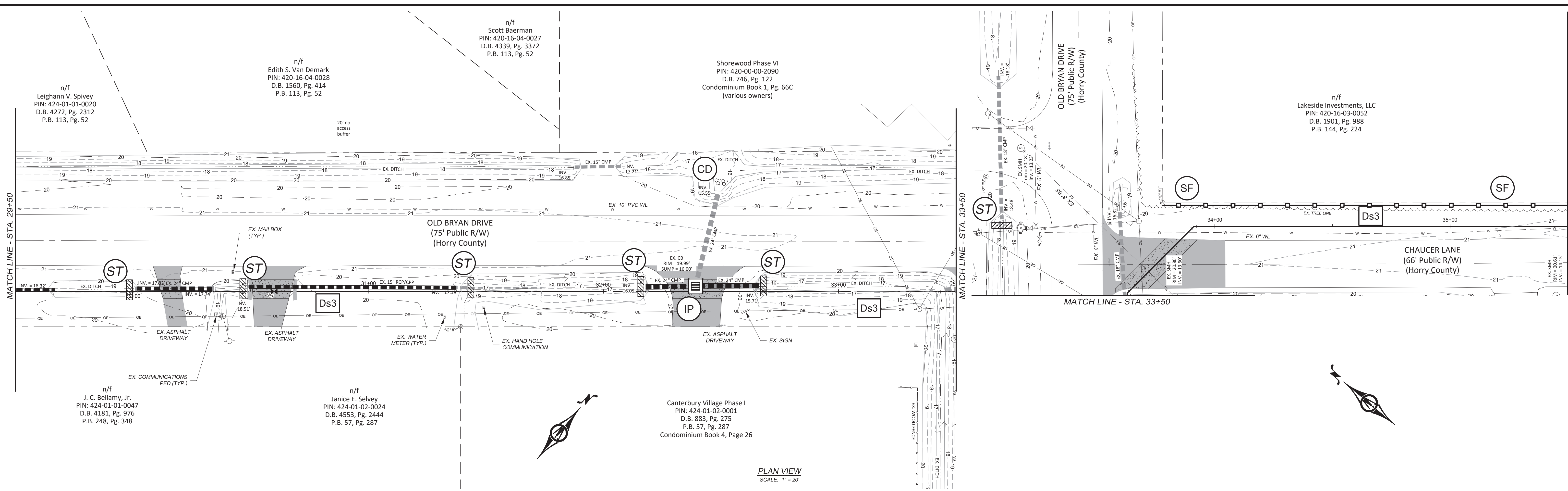
| | | | |
|------------------|----------|----------------------|----|
| DATE | 1/17/23 | | |
| SCALE | 1" = 20' | | |
| DESIGNED | EKS | | |
| DRAWN | PES | | |
| CHECKED | EKS | | |
| CLIENT PROJ. NO. | 21067E | | |
| NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
 PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
 HORRY COUNTY, SOUTH CAROLINA

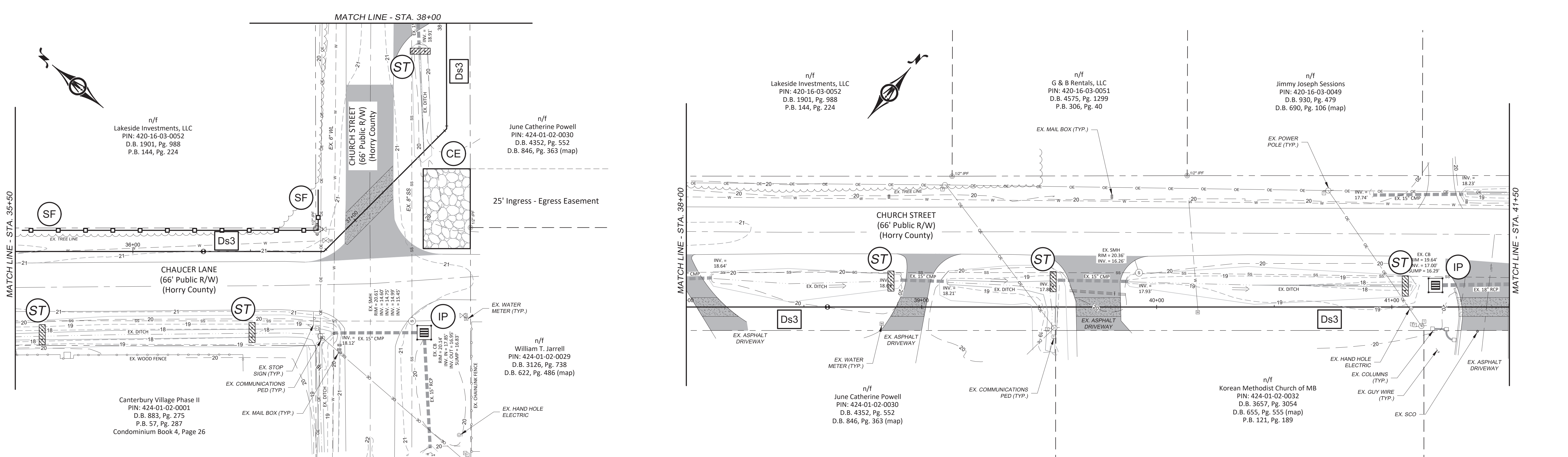
SEDIMENT AND EROSION CONTROL PLAN
 PHASE I

SCIP PROJECT # A-23-C139

SHEET
C2.04

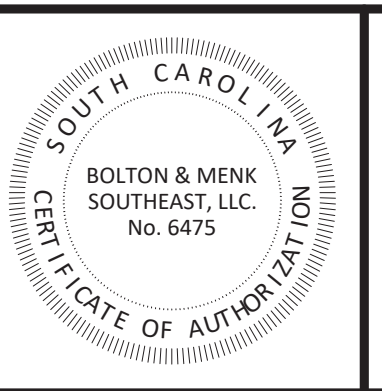
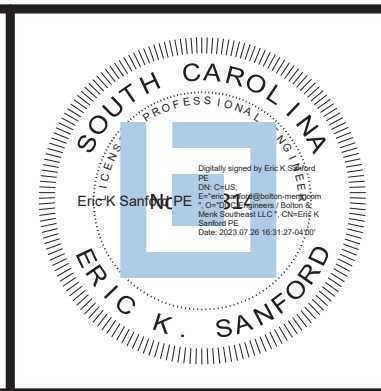
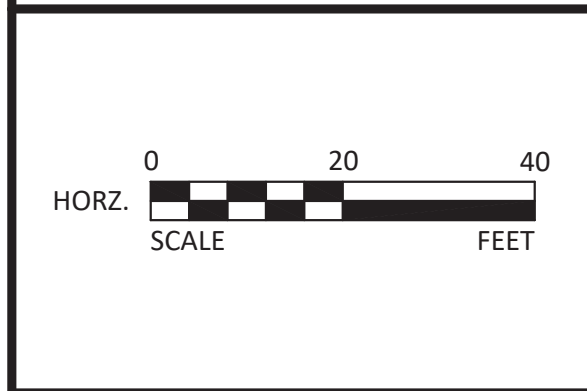


PLAN VIEW
SCALE: 1" = 20'



PLAN VIEW
SCALE: 1" = 20'

SCIP PROJECT # A-23-C139



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

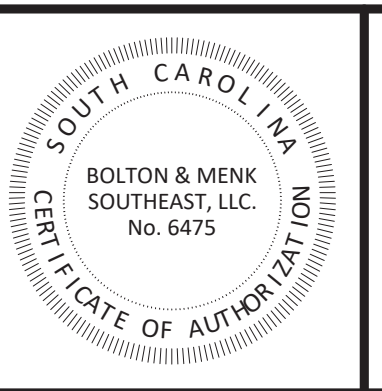
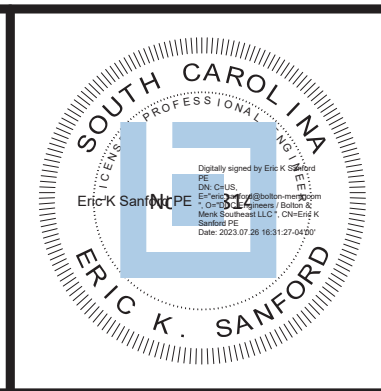
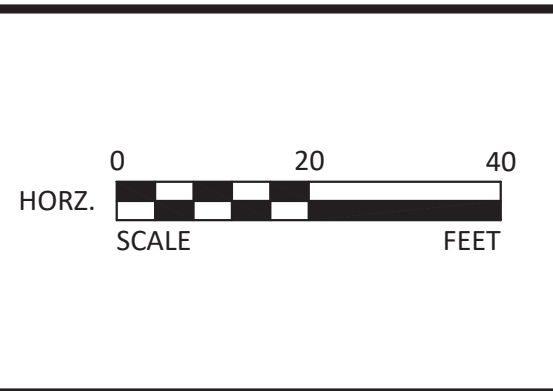
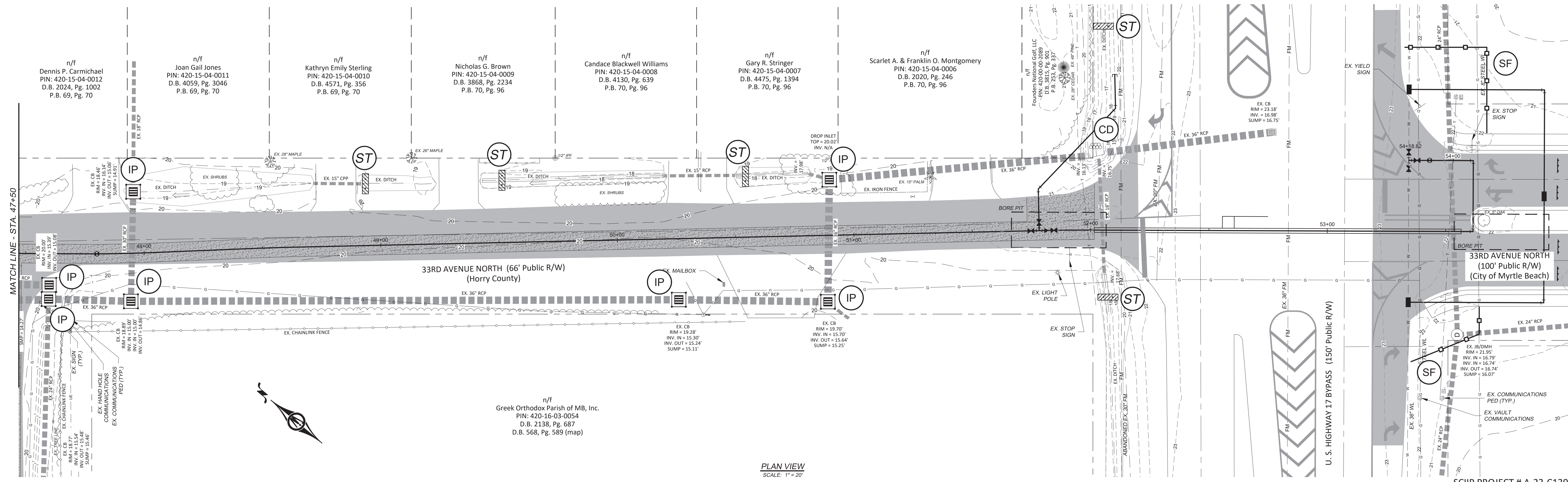
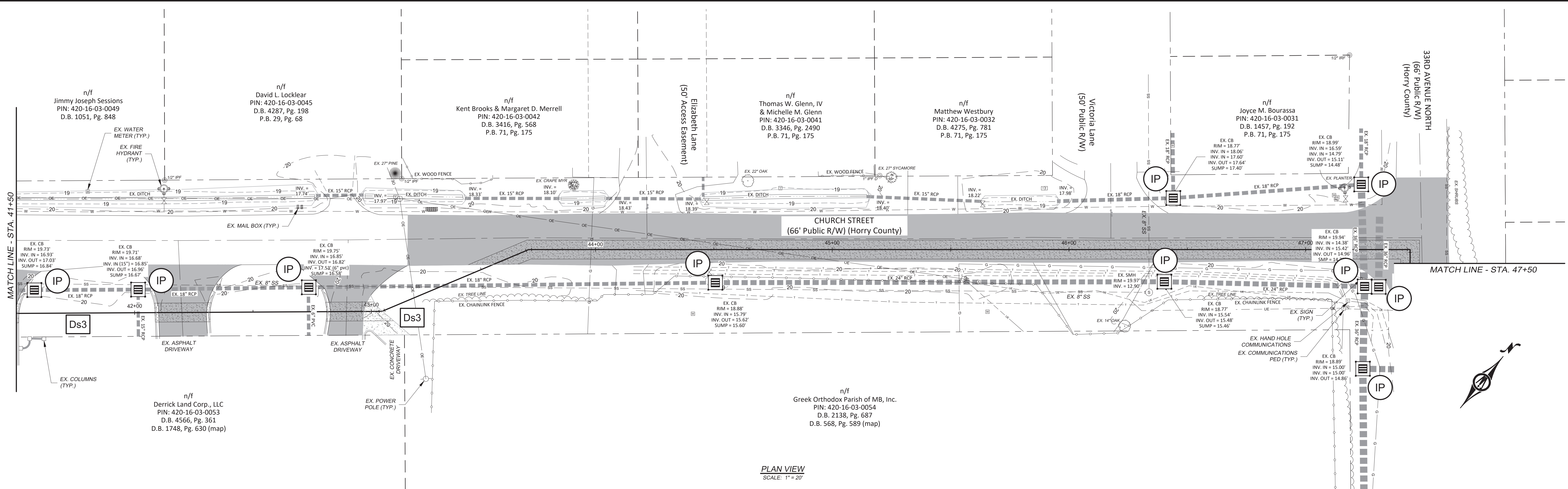
1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | | |
|------------------|----------|-----|------|----------------------|----|
| DATE | 1/17/23 | | | | |
| SCALE | 1" = 20' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

SEDIMENT AND EROSION CONTROL PLAN
PHASE I

SHEET
C2.05



DDC Engineers
BOLTON & MENK, INC.
 www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
 www.bolton-menk.com

| | | | | |
|------------------|----------|-----|------|----------------------|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION |
| | | | | |
| | | | | |
| | | | | |

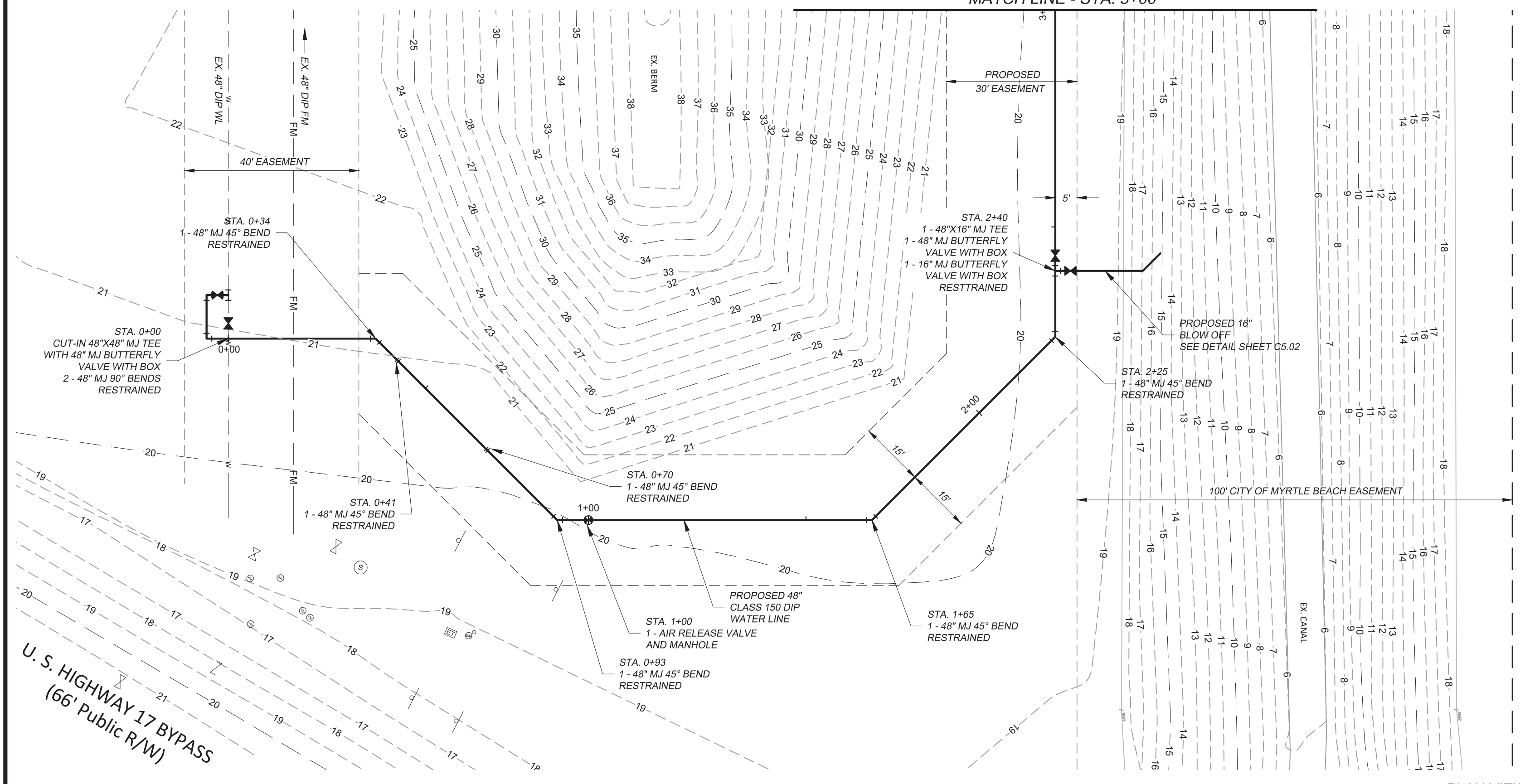
CITY OF MYRTLE BEACH
 PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
 HORRY COUNTY, SOUTH CAROLINA

SEDIMENT AND EROSION CONTROL PLAN
 PHASE I

SCIP PROJECT # A-23-C139

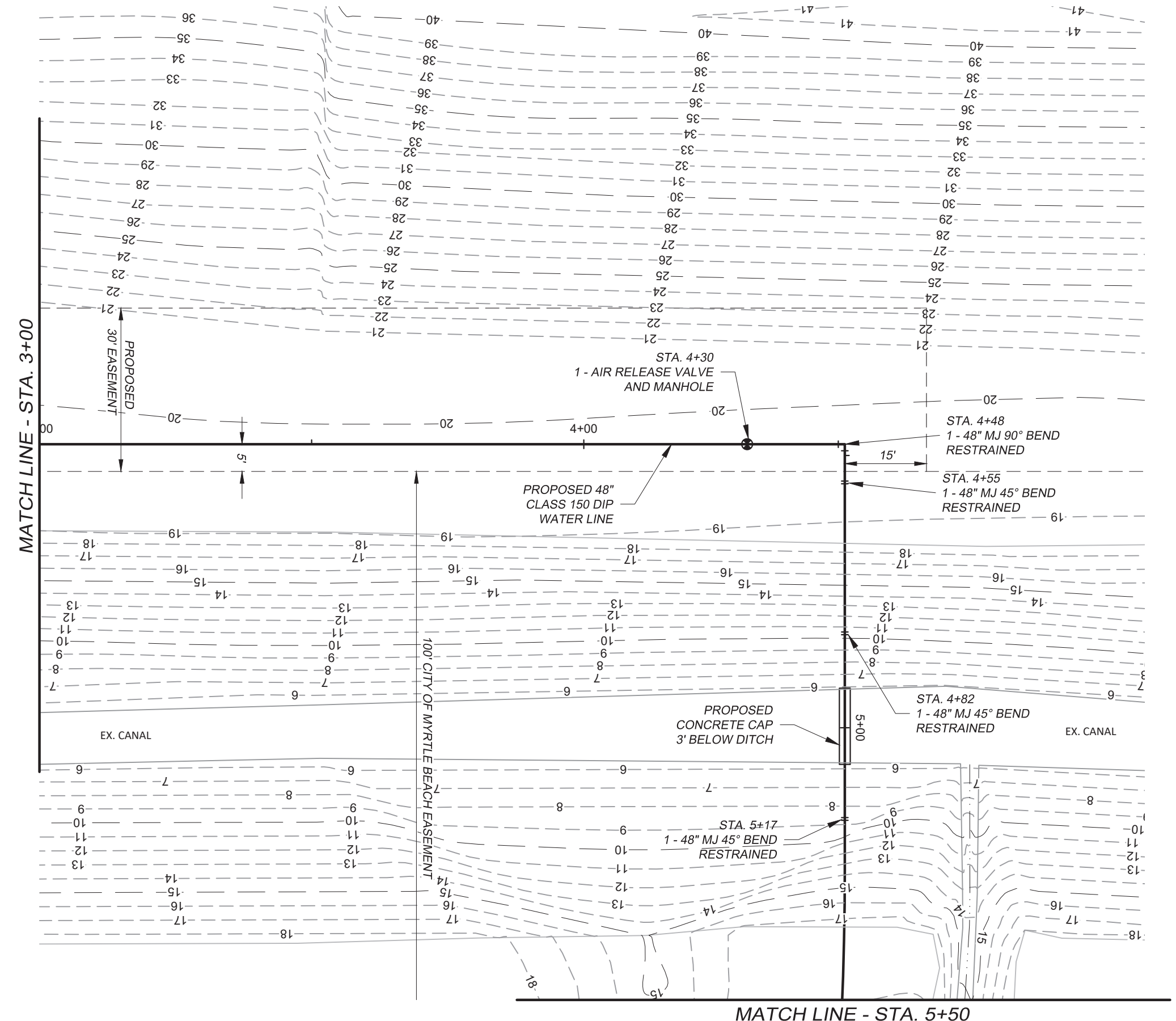
SHEET **C2.06**

MATCH LINE - STA. 3+00

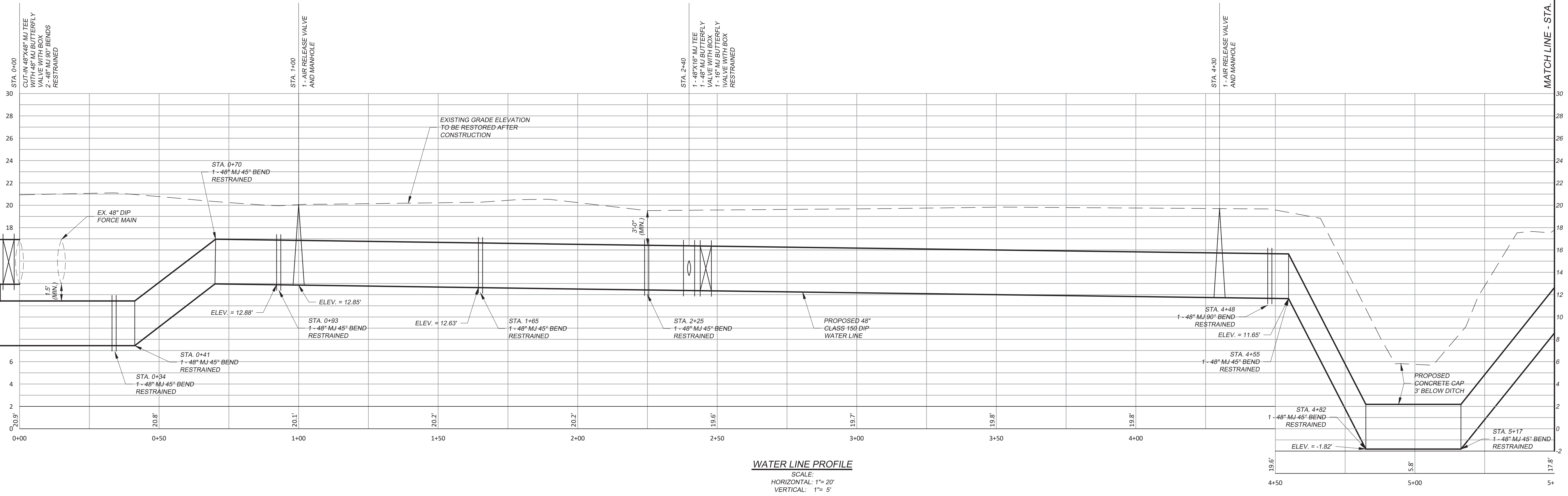


PLAN VIEW
SCALE: 1" = 20'

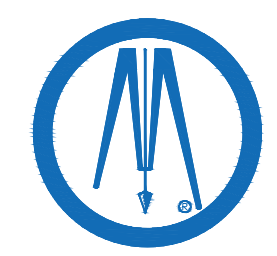
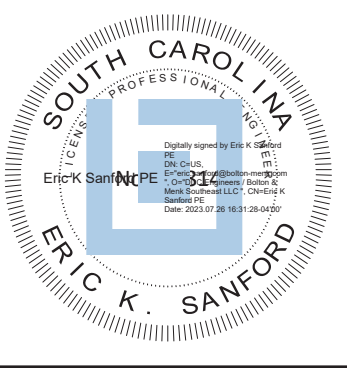
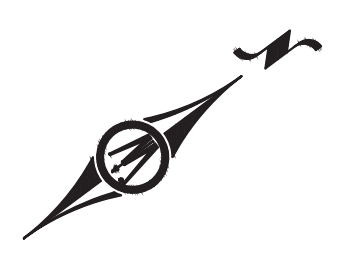
MATCH LINE - STA. 3+00



MATCH LINE - STA. 5+50



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | |
|------------------|----------|-----|------|----------------------|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION |
| | | | | |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

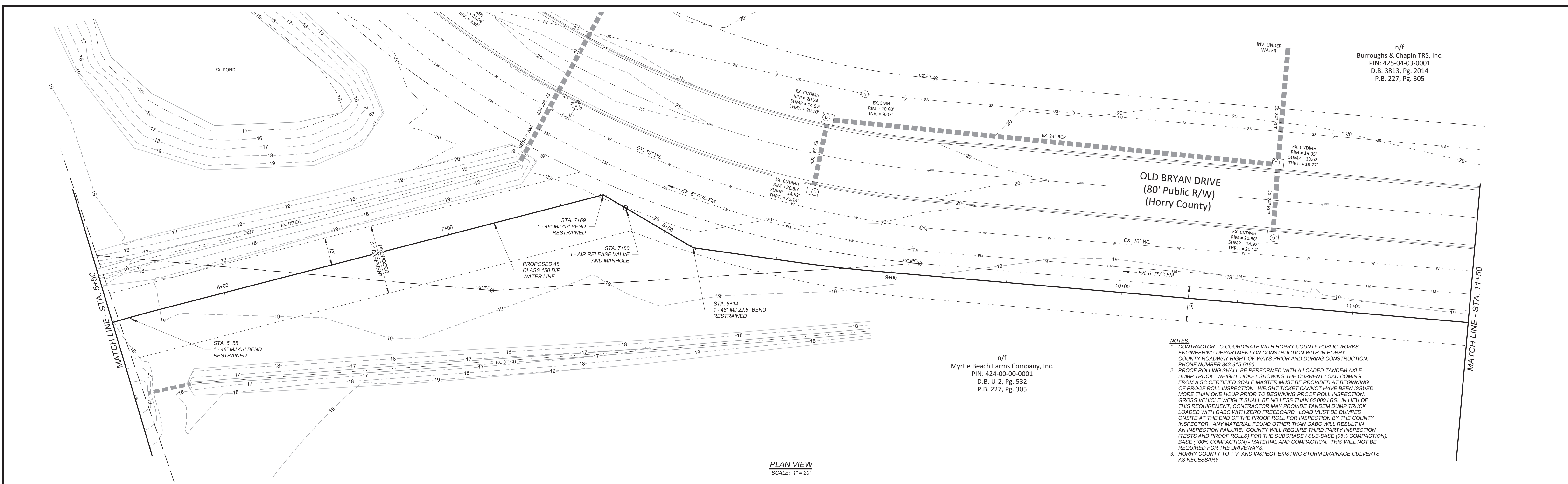
PROPOSED PLAN AND PROFILE

SCIIP PROJECT # A-23-C139

SHEET

C3.01

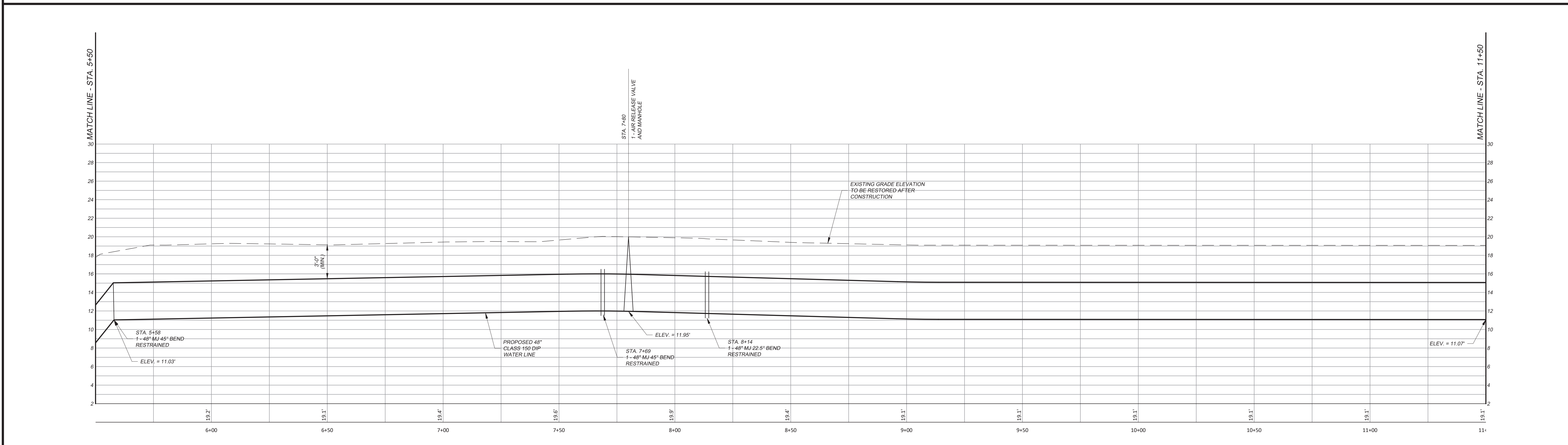
n/f
 Burroughs & Chapin TRS, Inc.
 PIN: 425-04-03-0001
 D.B. 3813, Pg. 2014
 P.B. 227, Pg. 305



- NOTES:
- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-915-5160.
 - PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON-SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (85% COMPACTION), BASE (100% COMPACTION), MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
 - HORRY COUNTY TO I.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

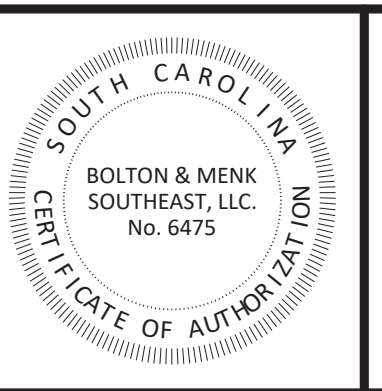
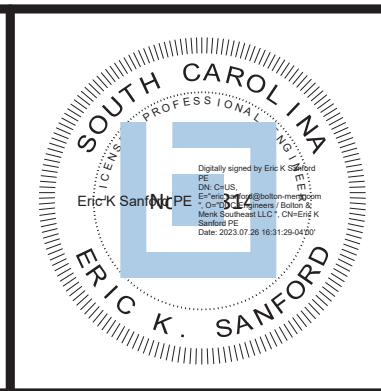
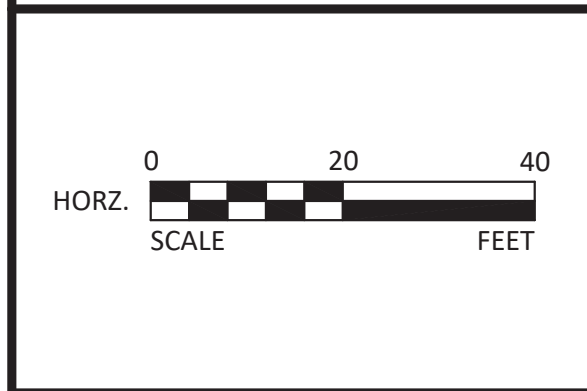
n/f
 Myrtle Beach Farms Company, Inc.
 PIN: 424-00-00-0001
 D.B. U-2, Pg. 532
 P.B. 227, Pg. 305

PLAN VIEW
 SCALE: 1" = 20'



WATER LINE PROFILE
 SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 5'

SCIIP PROJECT # A-23-C139



DDC Engineers
BOLTON & MENK, INC.
 www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
 www.bolton-menk.com

| | | | | |
|------------------|----------|---------|------------------------------------|-----|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
 PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
 HORRY COUNTY, SOUTH CAROLINA

PROPOSED PLAN AND PROFILE

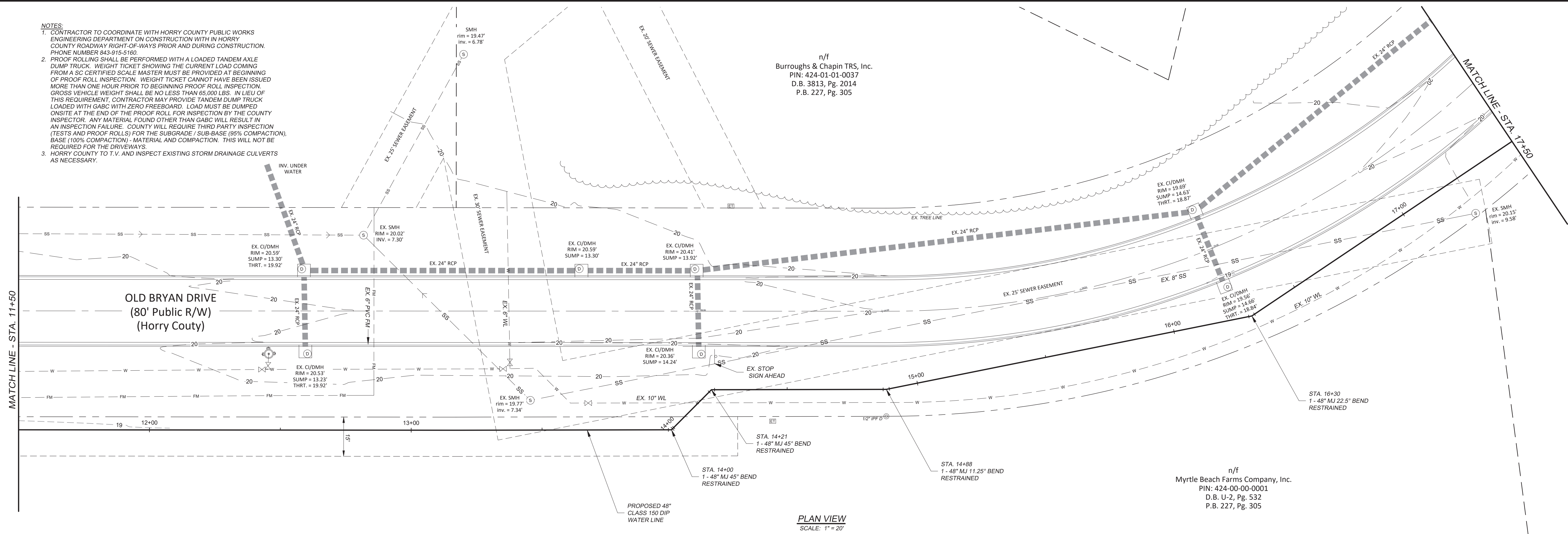
SHEET
C3.02

NOTES:

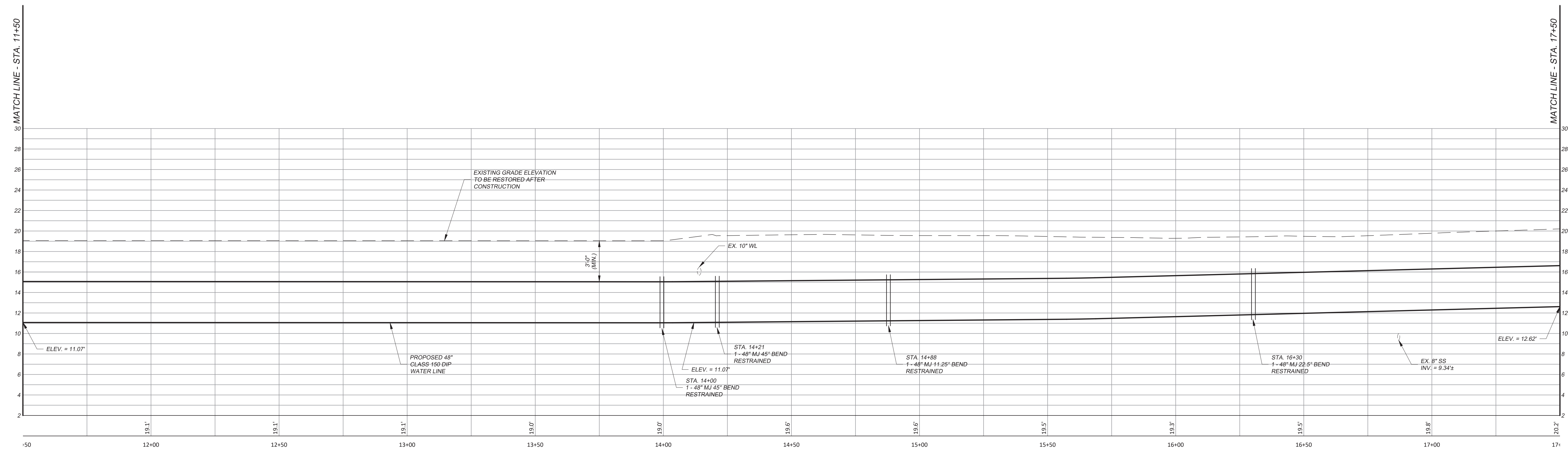
- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-915-5160.
- PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON-SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (95% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
- HORRY COUNTY TO T.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

n/f
Burroughs & Chapin TRS, Inc.
PIN: 424-01-0037
D.B. 3813, Pg. 2014
P.B. 227, Pg. 305

n/f
Myrtle Beach Farms Company, Inc.
PIN: 424-00-0001
D.B. U-2, Pg. 532
P.B. 227, Pg. 305

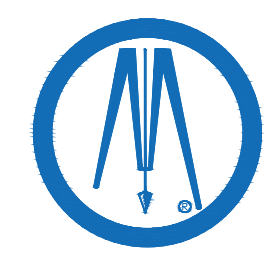
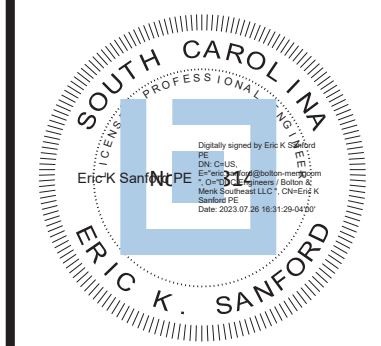
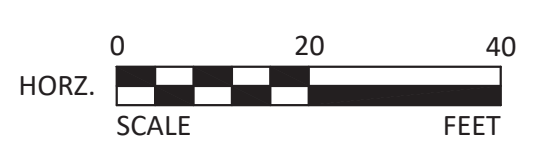


PLAN VIEW
SCALE: 1" = 20'



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

© Bolton & Menk, Inc. 2023. All Rights Reserved



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| DATE | SCALE | DESIGNED | DRAWN | CHECKED | CLIENT PROJ. NO. |
|---------|----------|------------------------------------|-------|---------|------------------|
| 1/17/23 | 1" = 20' | EKS | PES | EKS | 21067E |
| | | | | | |
| | | | | | |
| | | | | | |
| NO. | DATE | REVISION DESCRIPTION | BY | | |
| 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES | | |

SCIIP PROJECT # A-23-C139

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

PROPOSED PLAN AND PROFILE

SHEET
C3.03

n/f
Burroughs & Chapin TRS, Inc.
PIN: 424-01-01-0037
D.B. 3813, Pg. 2014
P.B. 227, Pg. 305

n/f
Theunis Otto
PIN: 424-01-01-0028
D.B. 3856, Pg. 3130
P.B. 113, Pg. 52

n/f
Verena Schnyder
PIN: 424-01-01-0027
D.B. 3581, Pg. 3133
P.B. 113, Pg. 52

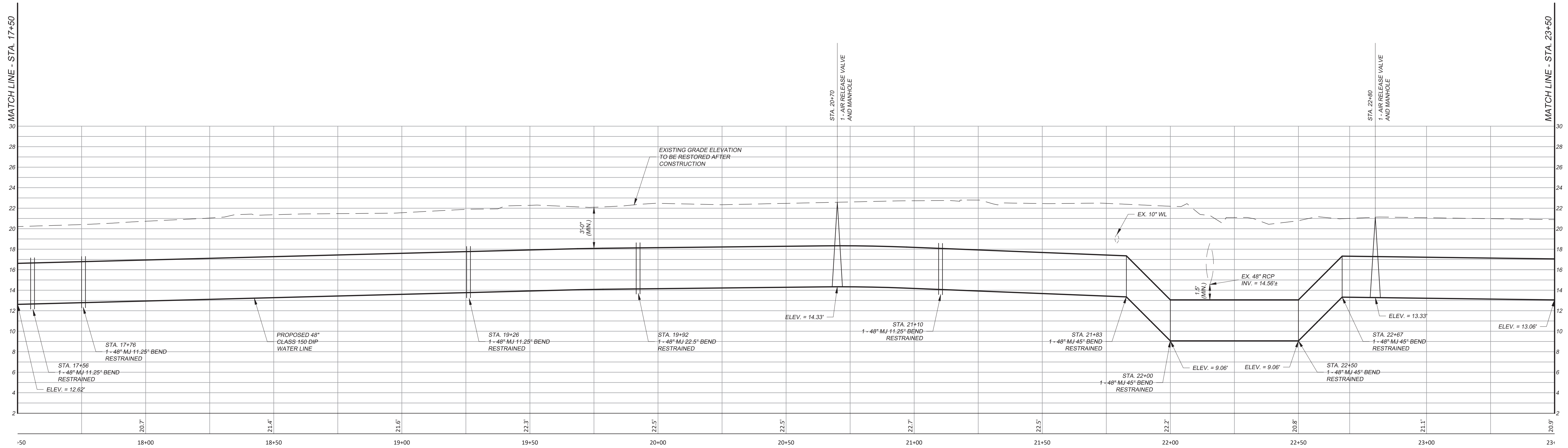
n/f
The Captain at the Beach, LLC
PIN: 424-01-01-0046
D.B. 2215, Pg. 4
P.B. 167, Pg. 61

n/f
Myrtle Beach Farms Company, Inc.
PIN: 424-01-01-0038
D.B. U-2, Pg. 532
P.B. 57, Pg. 287

NOTES:

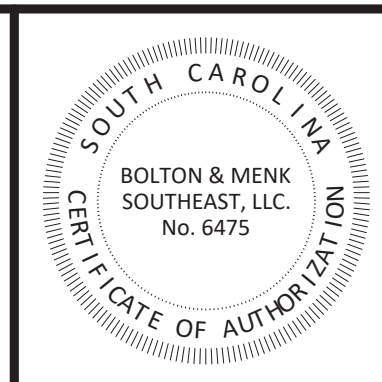
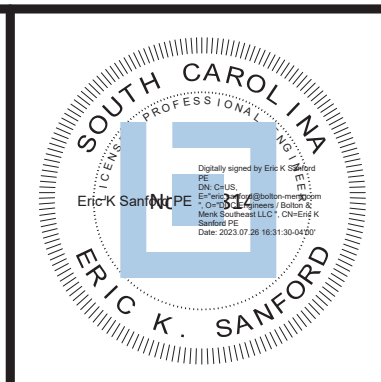
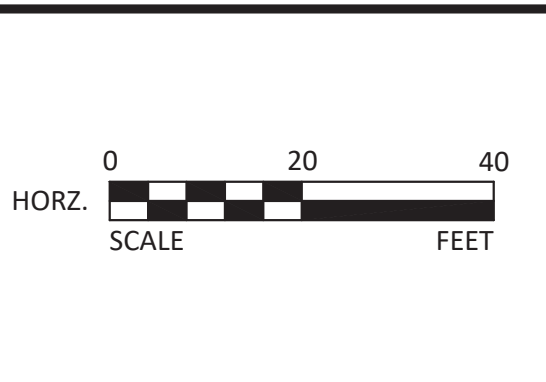
- CONTRACTOR TO COORDINATE WITH Horry County Public Works Engineering Department on construction with in Horry County Roadway Right-of-Ways Prior and During Construction. Phone Number 843-915-5160.
- PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING OF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GARB WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GARB WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (95% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
- Horry County to T.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

PLAN VIEW
SCALE: 1" = 20'



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

SCIIP PROJECT # A-23-C139



1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

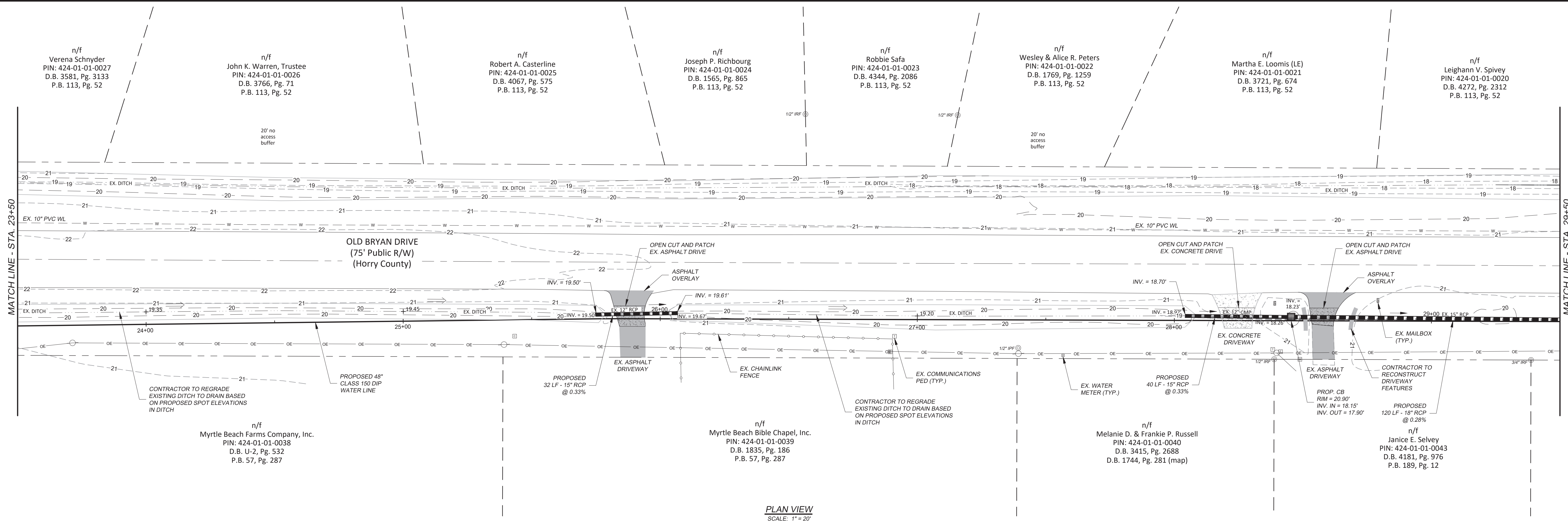
| DATE | 1/17/23 | | | |
|------------------|----------|-----------|------------------------------------|-----|
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 2 | 7/19/2023 | REVISED PER Horry COUNTY COMMENTS. | PES |
| | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
Horry County, South Carolina

PROPOSED PLAN AND PROFILE

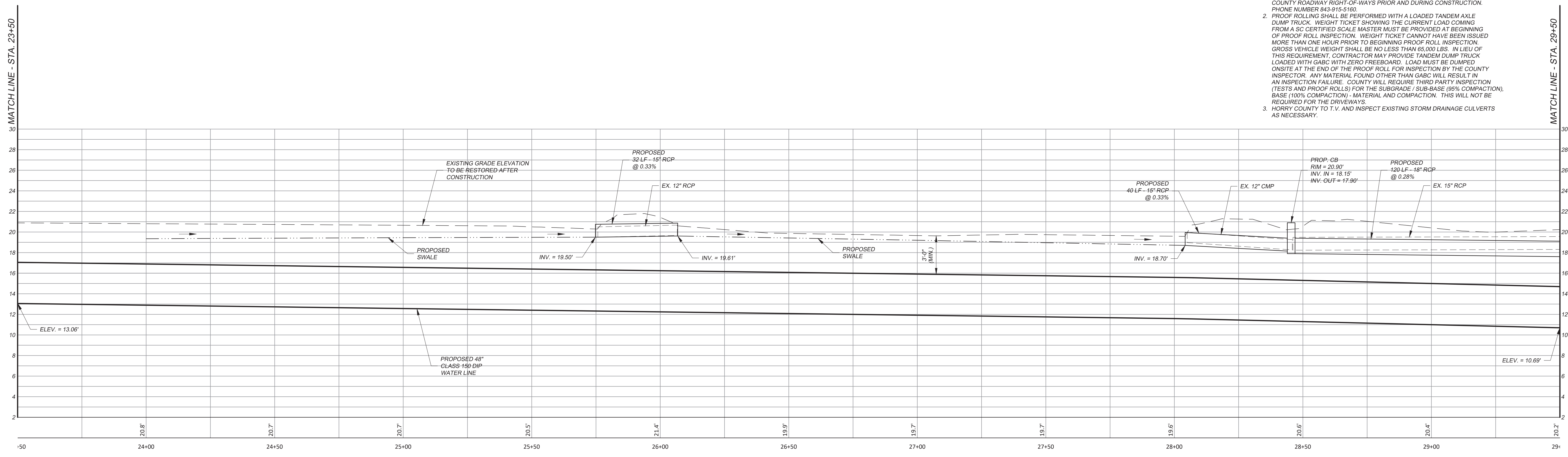
SHEET

C3.04



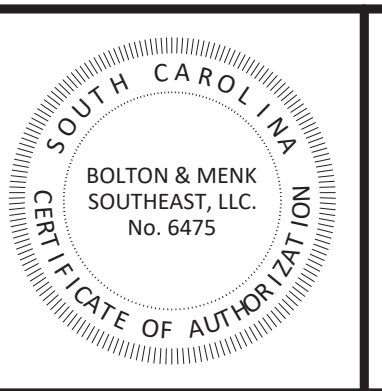
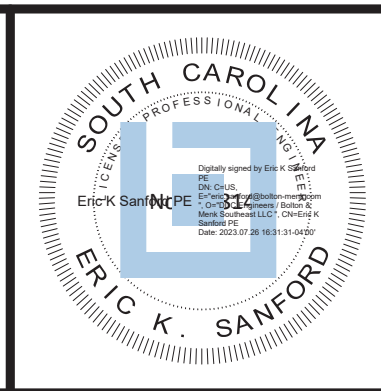
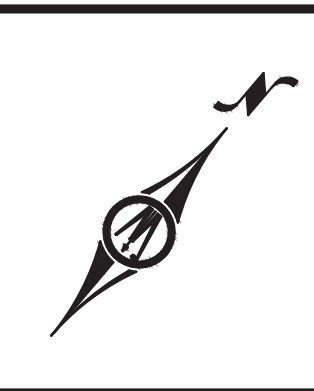
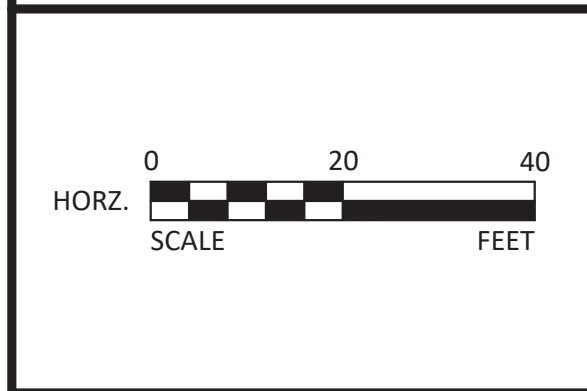
PLAN VIEW
SCALE: 1" = 20'

- NOTES:
- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-815-5160.
 - PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEN AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEN DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (95% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
 - HORRY COUNTY TO T.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

SCIIP PROJECT # A-23-C139



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

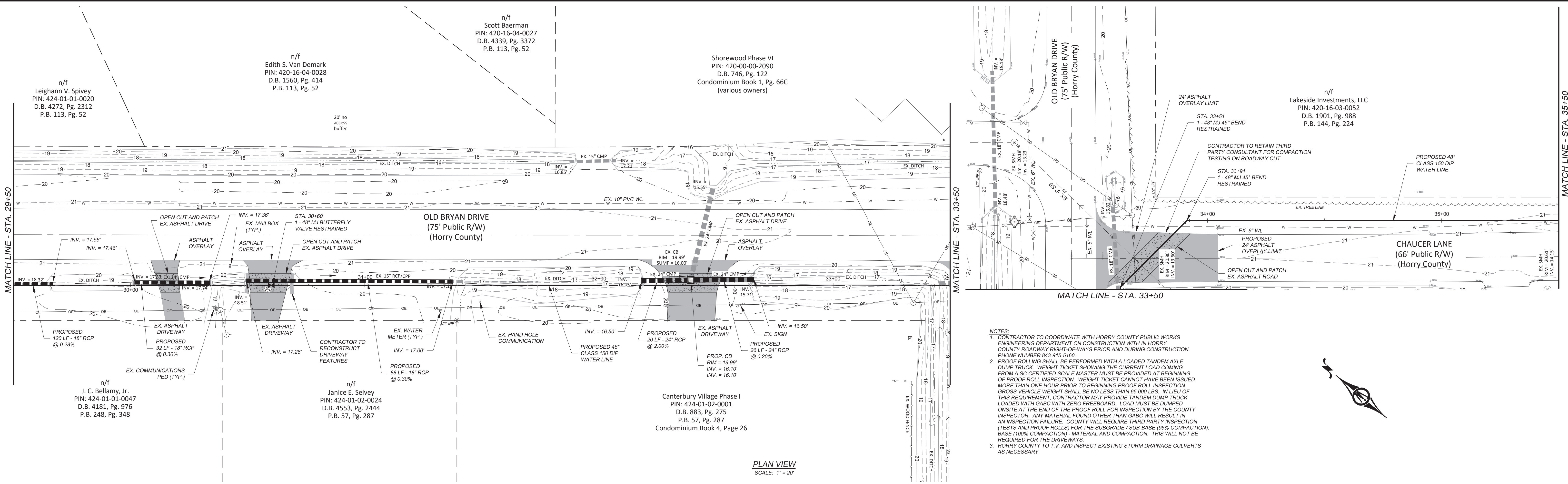
1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | |
|------------------|----------|-----------|------------------------------------|-----|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 2 | 7/19/2023 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| | NO. | DATE | REVISION DESCRIPTION | BY |

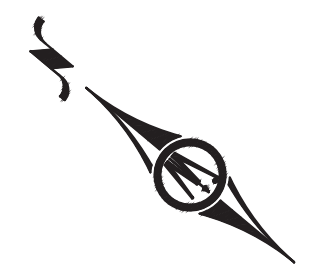
CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

PROPOSED PLAN AND PROFILE

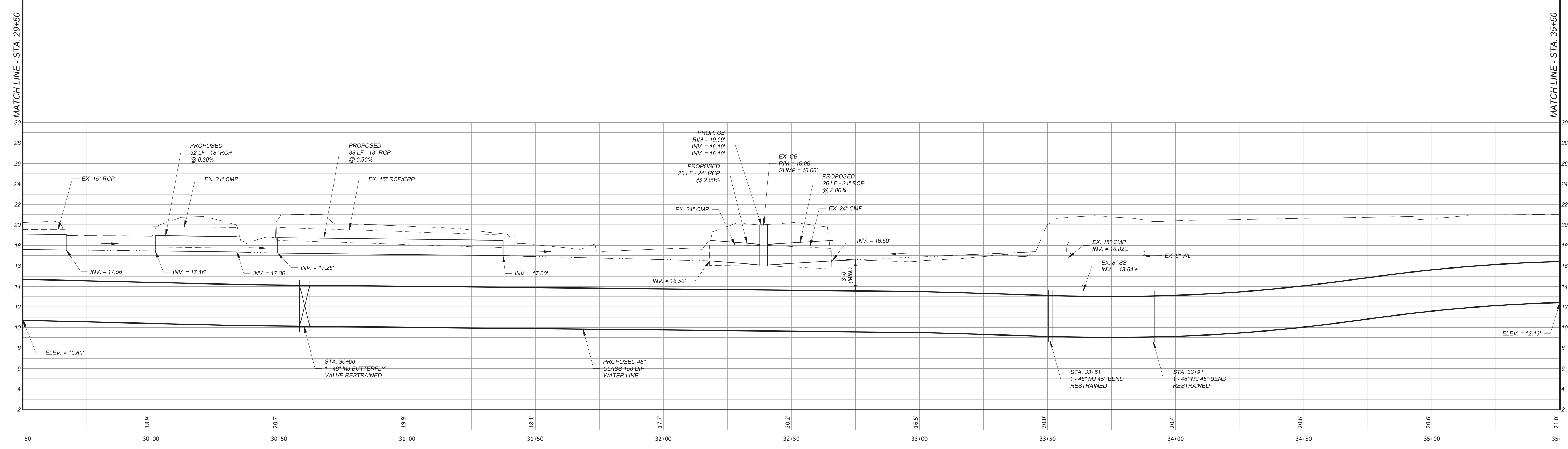
SHEET
C3.05



- NOTES:
- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-915-5160.
 - PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (95% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
 - HORRY COUNTY TO TV AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

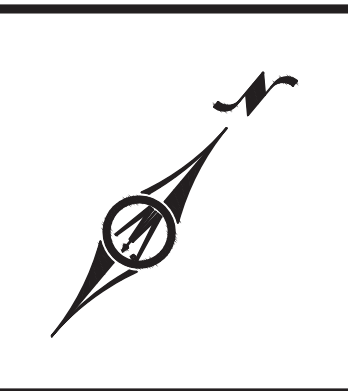
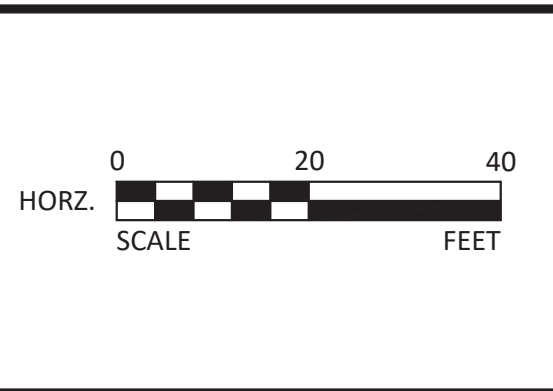


PLAN VIEW
SCALE: 1" = 20'



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

© Bolton & Menk, Inc. 2023. All Rights Reserved



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

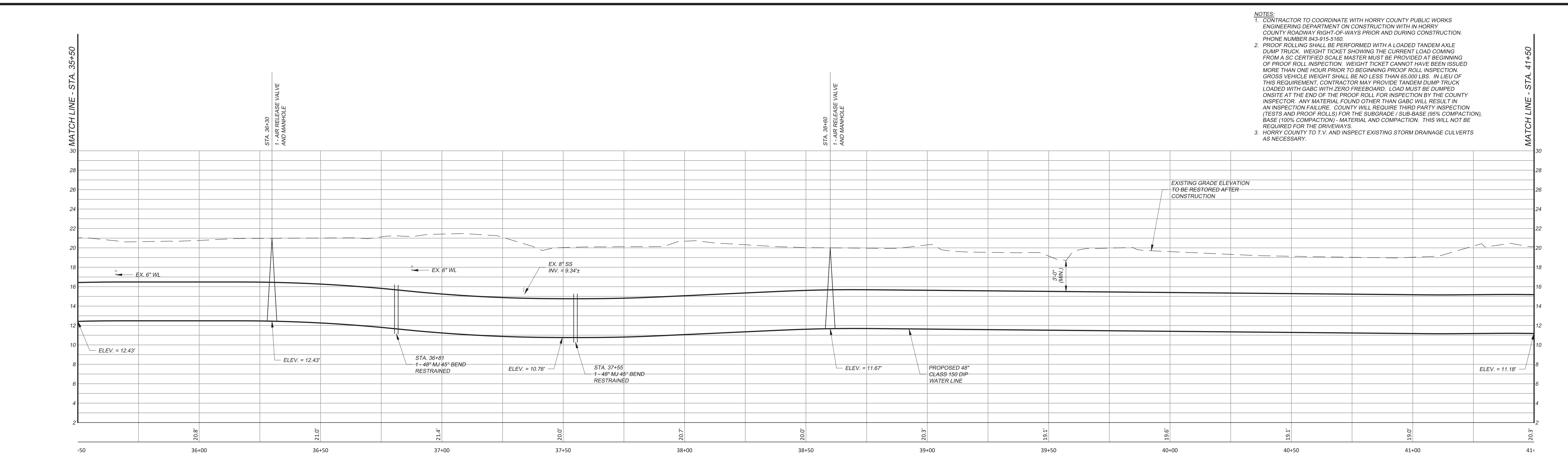
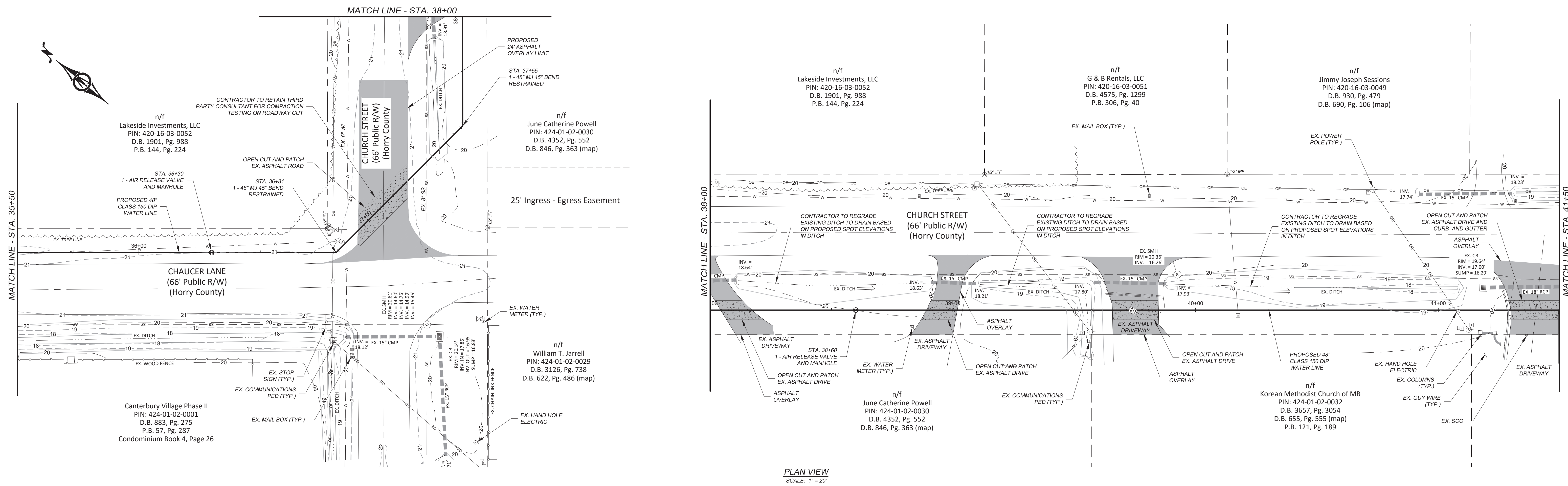
| | | | | |
|------------------|----------|---------|------------------------------------|-----|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 20' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| | NO. | DATE | REVISION DESCRIPTION | BY |

SCIP PROJECT # A-23-C139

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

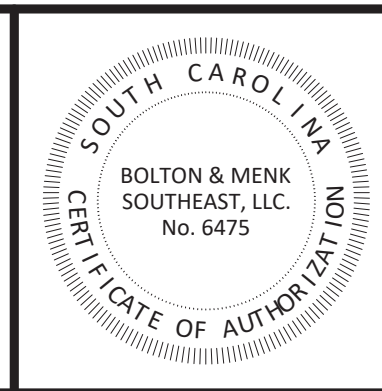
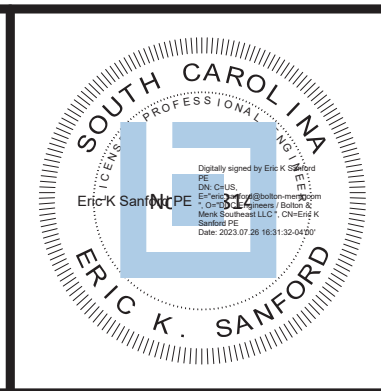
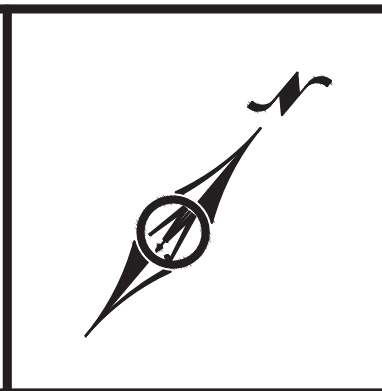
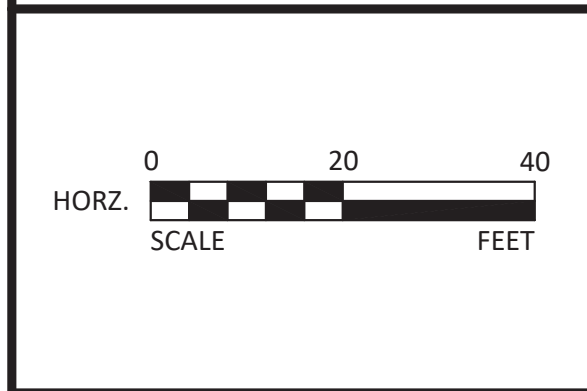
PROPOSED PLAN AND PROFILE

SHEET
C3.06



- NOTES:**
- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-915-5160.
 - PROOF ROLLING SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING OF PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ON-SITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (85% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
 - HORRY COUNTY TO T.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

© Bolton & Menk, Inc. 2023. All Rights Reserved



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

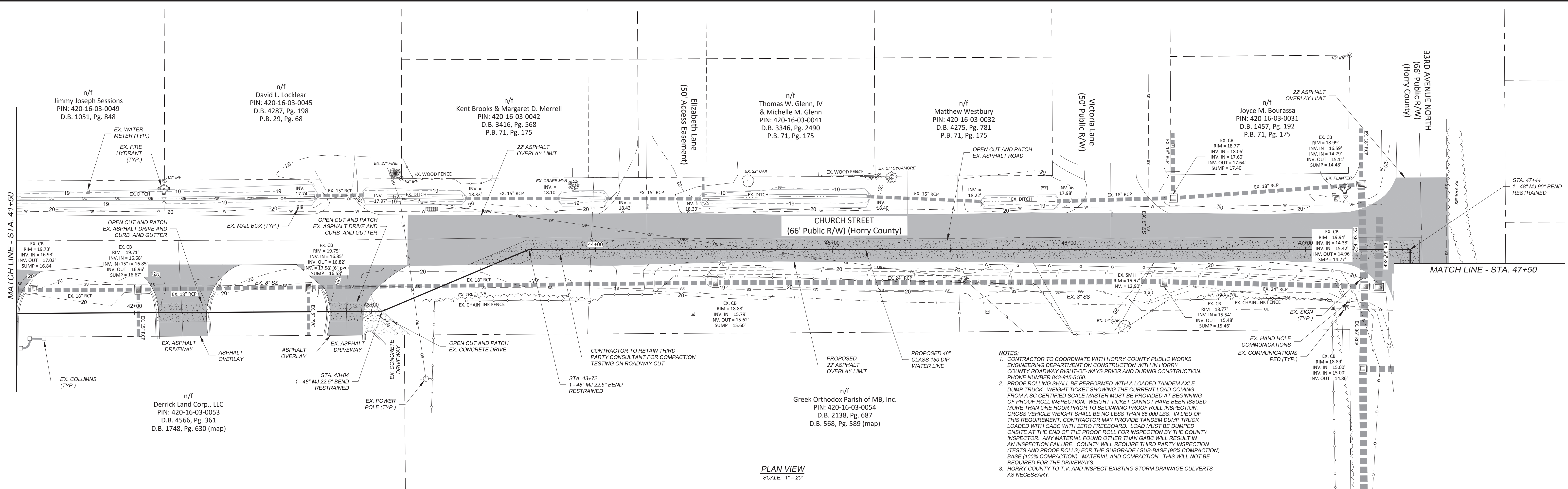
1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | | |
|------------------|----------|-----|---------|------------------------------------|-----|
| DATE | 1/17/23 | | | | |
| SCALE | 1" = 20' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

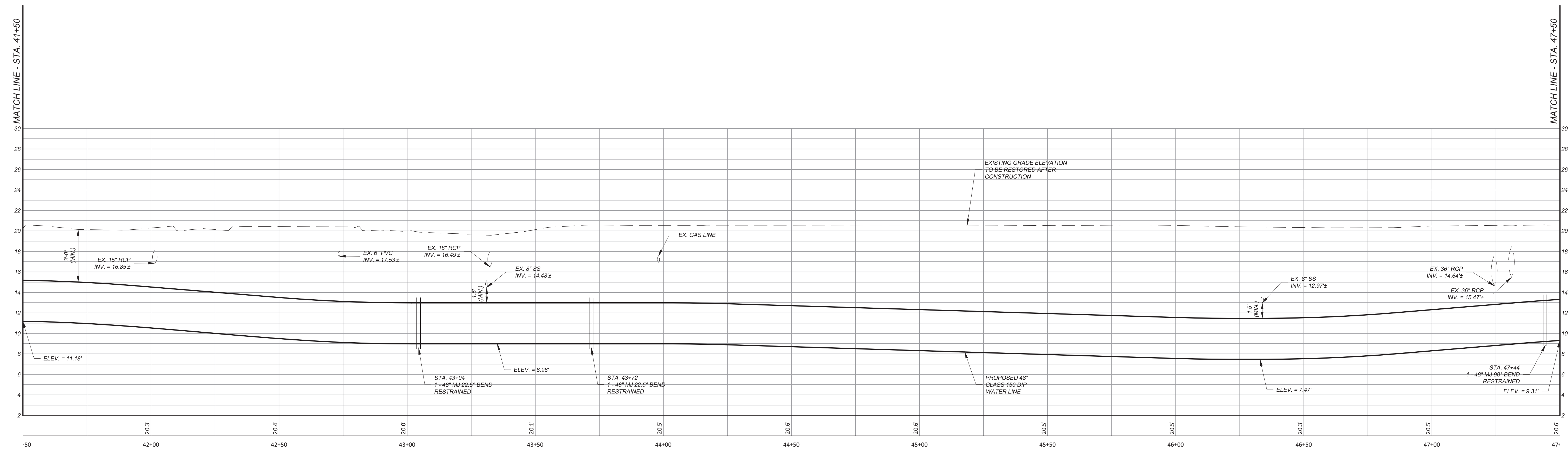
CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

PROPOSED PLAN AND PROFILE

SCIP PROJECT # A-23-C139
SHEET
C3.07

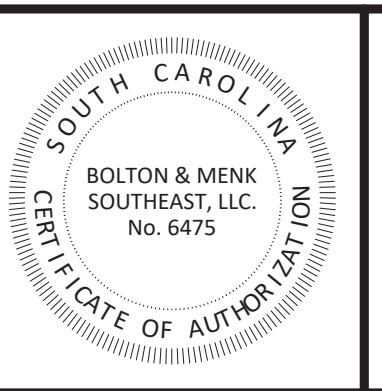
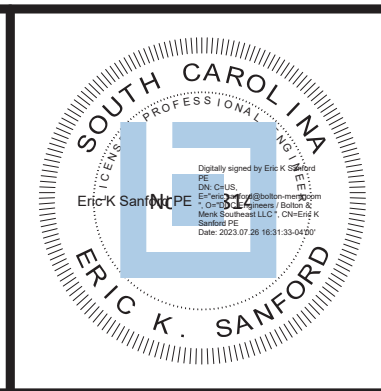
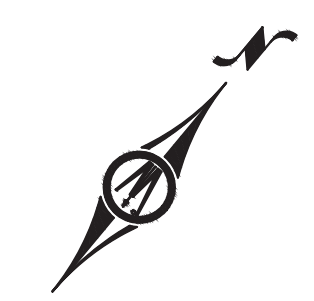
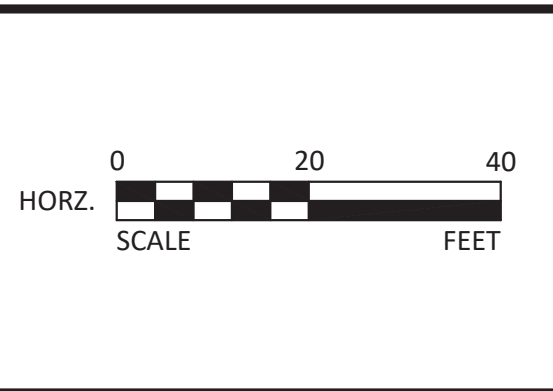


PLAN VIEW
SCALE: 1" = 20'



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

© Bolton & Menk, Inc. 2023. All Rights Reserved



1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| DATE | 1/17/23 | | | | |
|------------------|----------|---------|------------------------------------|----------------------|-----|
| SCALE | 1" = 20' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | | PES |
| | 1 | 6/26/23 | REVISED PER SCDOT COMMENTS. | | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

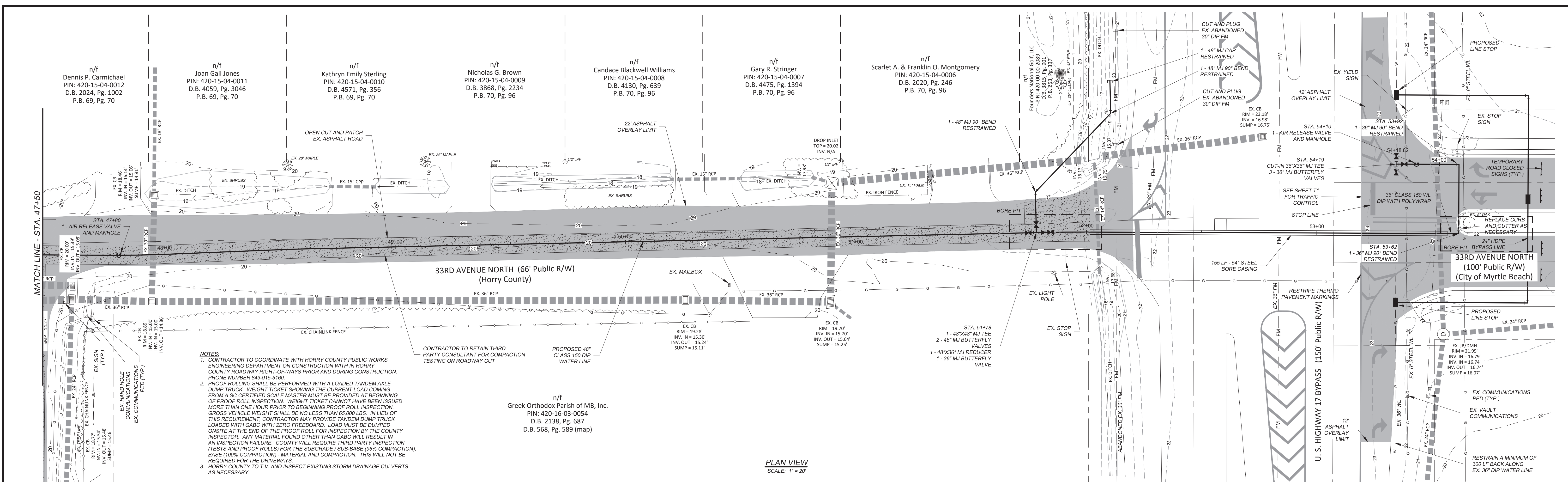
CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

PROPOSED PLAN AND PROFILE

SCIIP PROJECT # A-23-C139

SHEET

C3.08

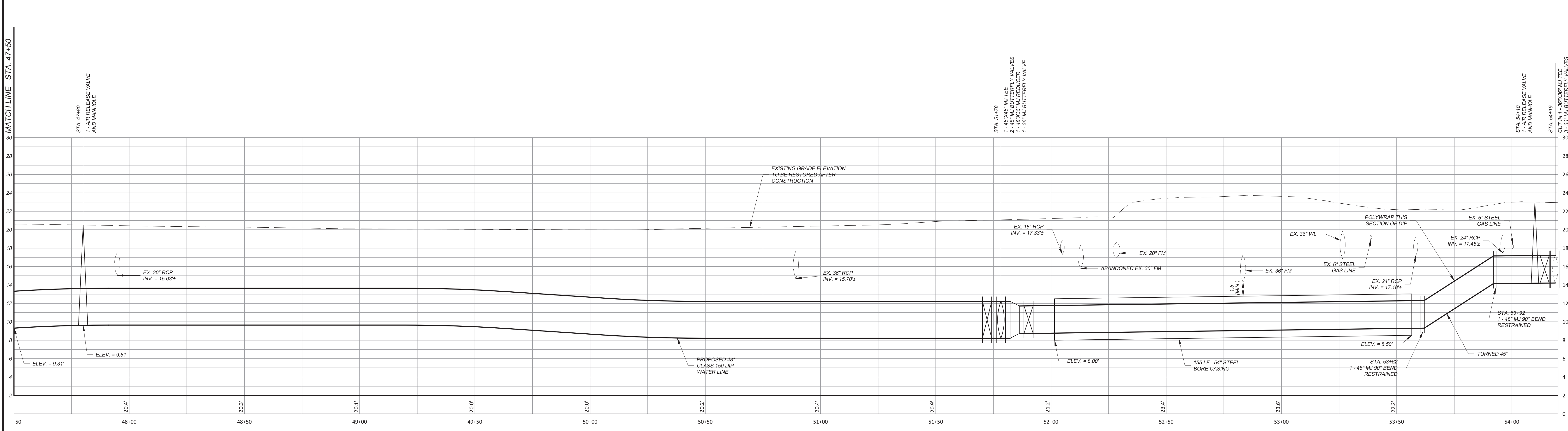


NOTES:

- CONTRACTOR TO COORDINATE WITH HORRY COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT ON CONSTRUCTION WITH IN HORRY COUNTY ROADWAY RIGHT-OF-WAYS PRIOR AND DURING CONSTRUCTION. PHONE NUMBER 843-915-5160.
- PROOF ROLLS SHALL BE PERFORMED WITH A LOADED TANDEM AXLE DUMP TRUCK. WEIGHT TICKET SHOWING THE CURRENT LOAD COMING FROM A SC CERTIFIED SCALE MASTER MUST BE PROVIDED AT BEGINNING OF PROOF ROLL INSPECTION. WEIGHT TICKET CANNOT HAVE BEEN ISSUED MORE THAN ONE HOUR PRIOR TO BEGINNING PROOF ROLL INSPECTION. GROSS VEHICLE WEIGHT SHALL BE NO LESS THAN 65,000 LBS. IN LIEU OF THIS REQUIREMENT, CONTRACTOR MAY PROVIDE TANDEM DUMP TRUCK LOADED WITH GABC WITH ZERO FREEBOARD. LOAD MUST BE DUMPED ONSITE AT THE END OF THE PROOF ROLL FOR INSPECTION BY THE COUNTY INSPECTOR. ANY MATERIAL FOUND OTHER THAN GABC WILL RESULT IN AN INSPECTION FAILURE. COUNTY WILL REQUIRE THIRD PARTY INSPECTION (TESTS AND PROOF ROLLS) FOR THE SUBGRADE / SUB-BASE (95% COMPACTION), BASE (100% COMPACTION) - MATERIAL AND COMPACTION. THIS WILL NOT BE REQUIRED FOR THE DRIVEWAYS.
- HORRY COUNTY TO T.V. AND INSPECT EXISTING STORM DRAINAGE CULVERTS AS NECESSARY.

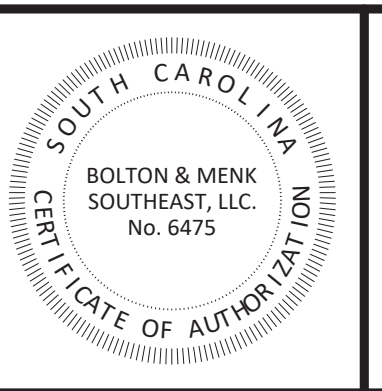
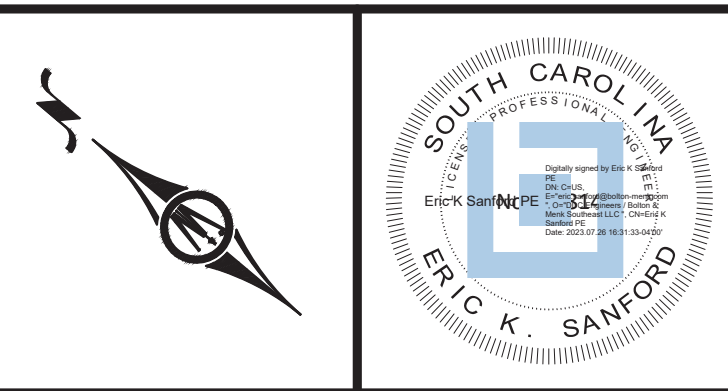
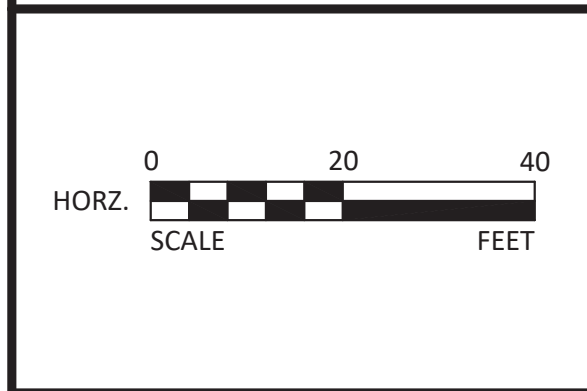
n/f
Greek Orthodox Parish of MB, Inc.
PIN: 420-16-03-0054
D.B. 2138, Pg. 687
D.B. 568, Pg. 589 (map)

PLAN VIEW
SCALE: 1" = 20'



WATER LINE PROFILE
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

© Bolton & Menk, Inc. 2023. All Rights Reserved



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| DATE | 1/17/23 | | | | |
|------------------|----------|-----|---------|------------------------------------|-----|
| SCALE | 1" = 20' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| | | 1 | 6/26/23 | REVISED PER SCDOT COMMENTS. | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

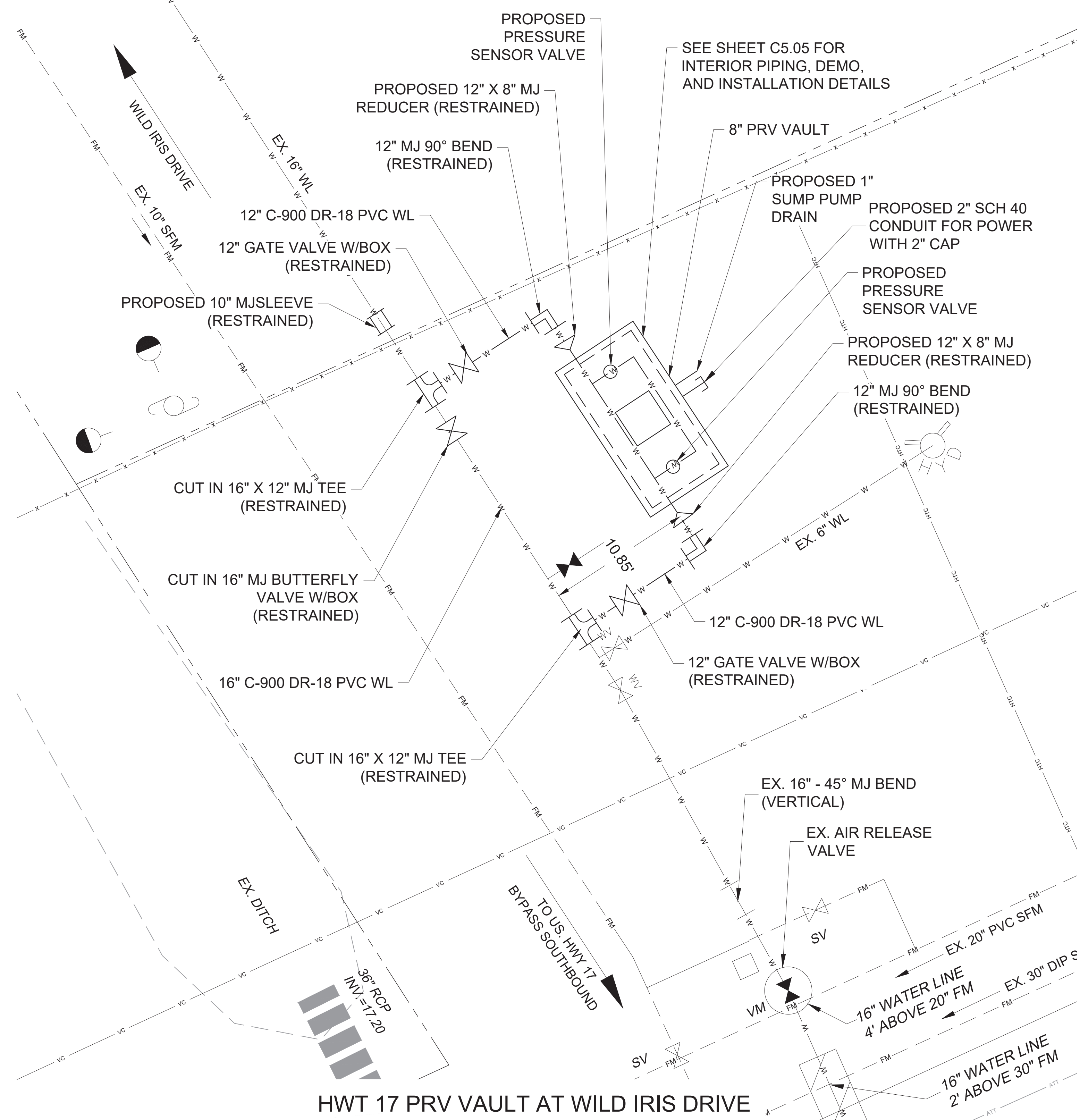
CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

SCIP PROJECT # A-23-C139

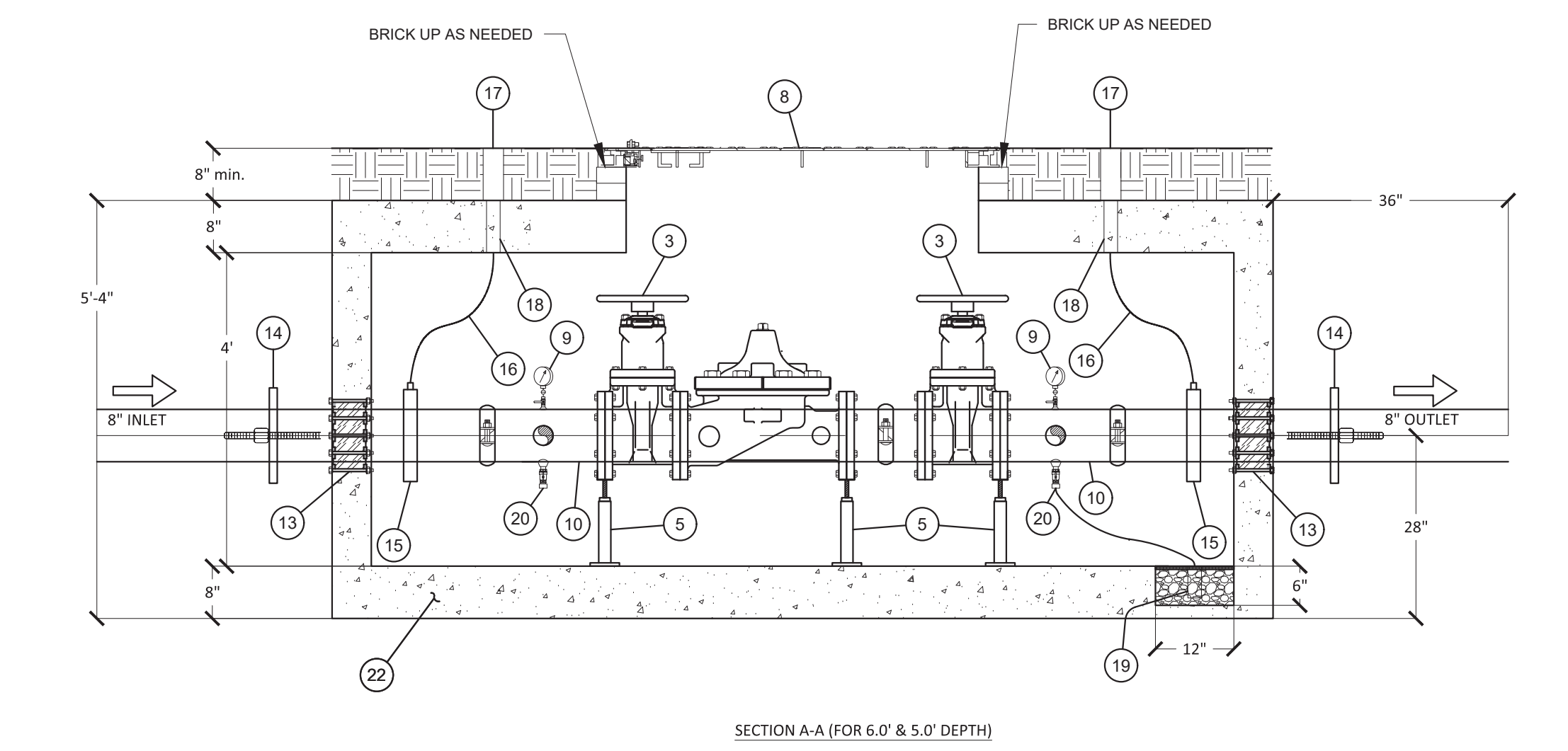
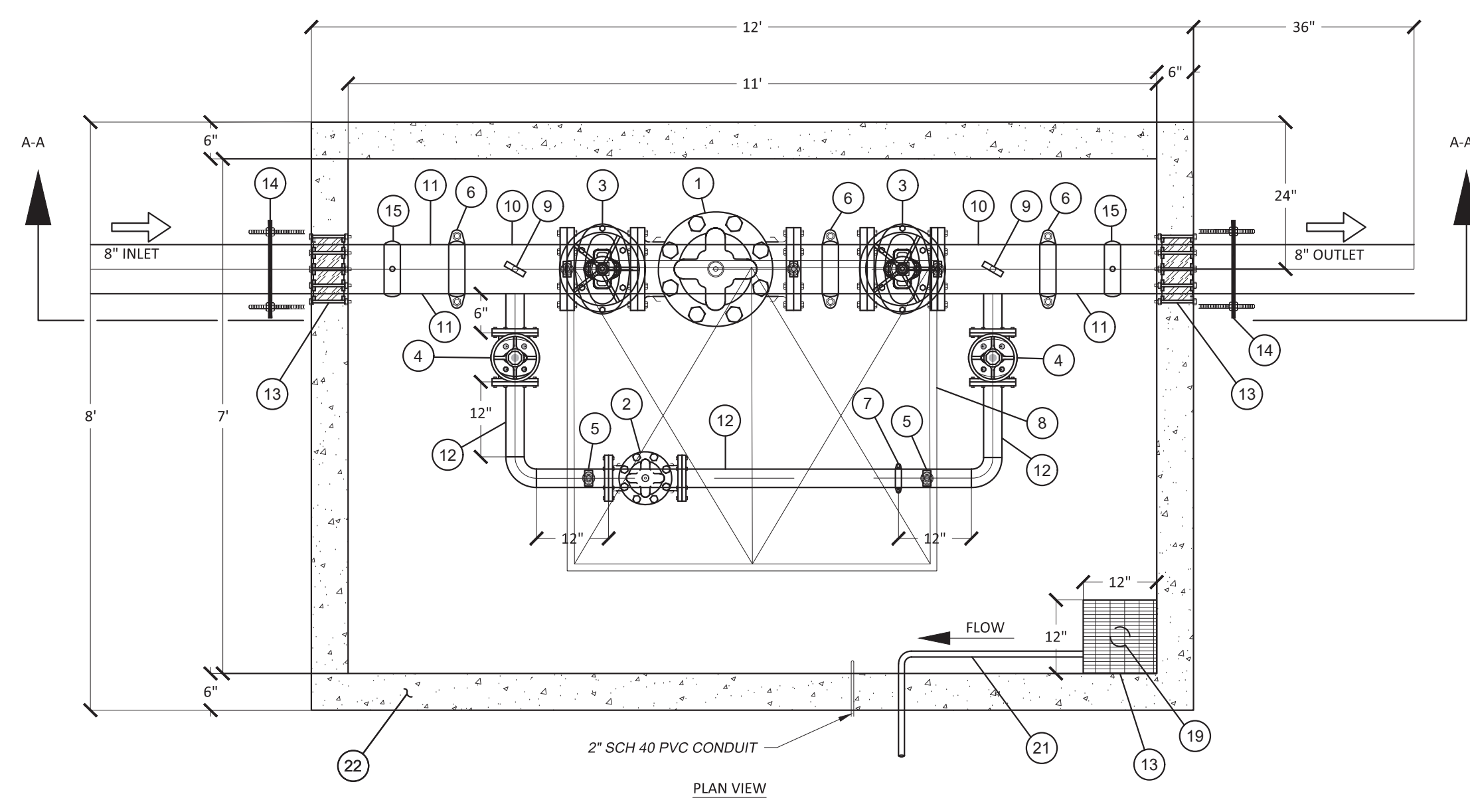
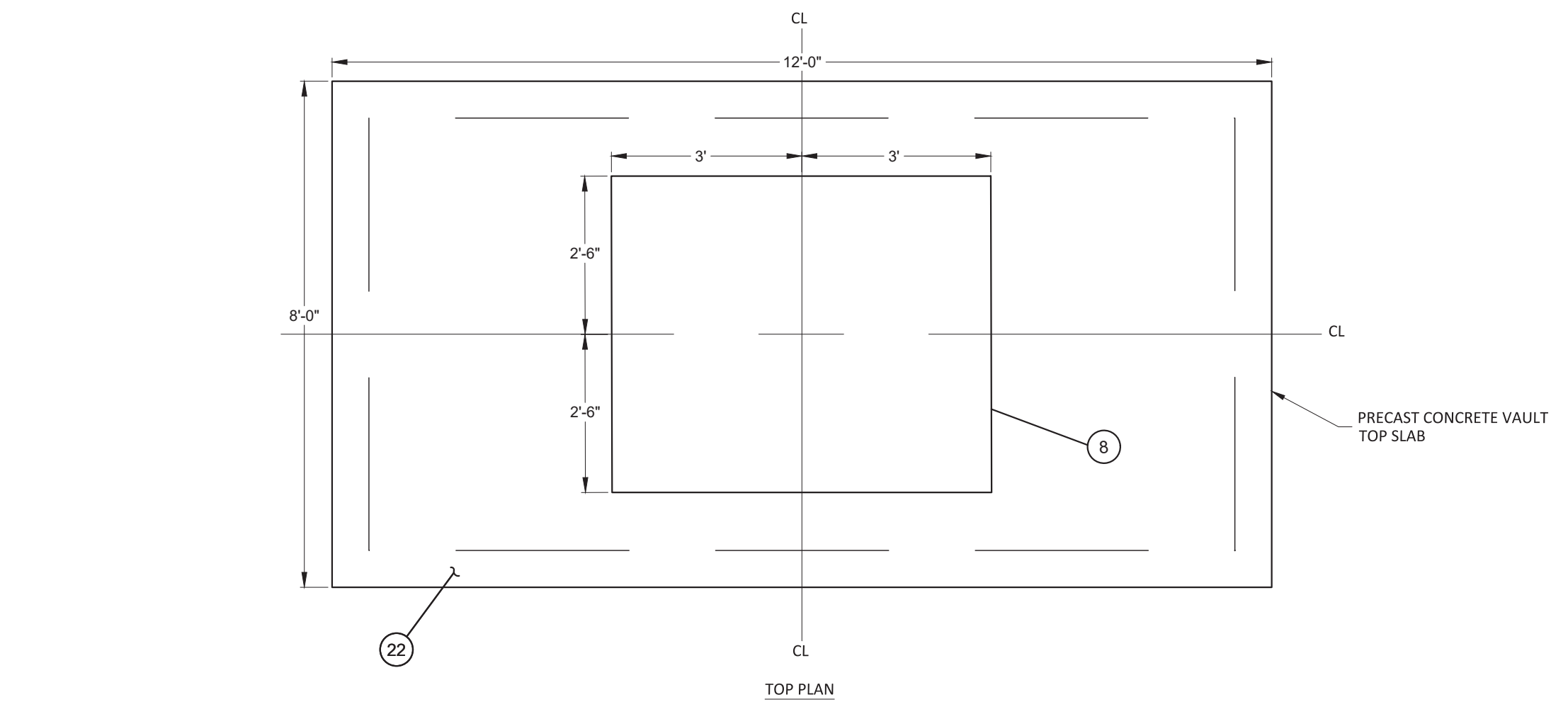
PROPOSED PLAN AND PROFILE

SHEET
C3.09

PRV #18



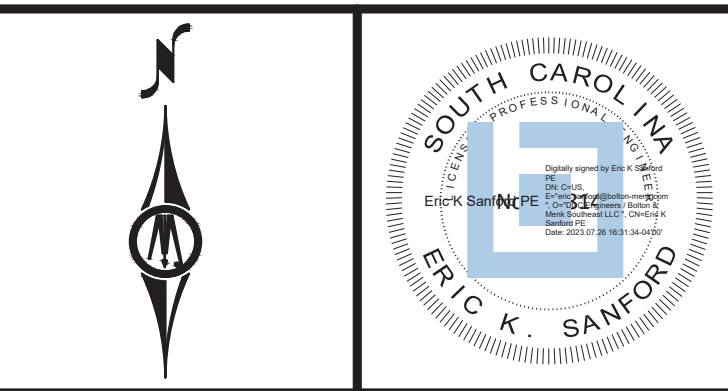
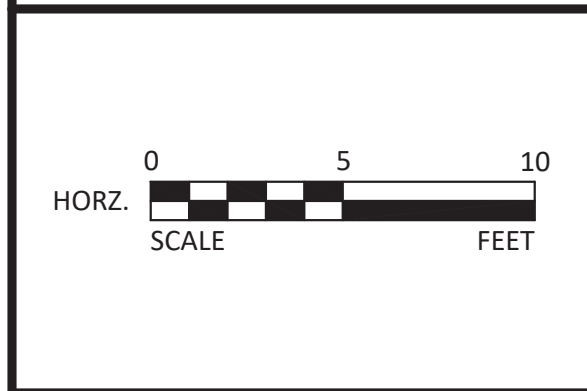
HWT 17 PRV VAULT AT WILD IRIS DRIVE



8" X 3" PACKAGED PRV STATION
PROPOSED PRESSURE REDUCING VALVE
AND VAULT DETAILS
SCALE: N.T.S.

| GRAND DUNES / 82ND AVE N PRV VAULT 8" X 3" MATERIALS DESCRIPTION: | | |
|--|------|---|
| ITEM # | QTY. | DESCRIPTION |
| 1 | 1 | 8" FLANGED BERMAL PRESSURE REDUCING VALVE (AIS COMPLIANT) |
| 2 | 1 | 3" FLANGED BERMAL PRESSURE REDUCING VALVE (AIS COMPLIANT) |
| 3 | 2 | 8" R/S FL X FL GATE VALVE W/ HAND WHEEL |
| 4 | 2 | 3" R/S FL X FL GATE VALVE W/ HAND WHEEL |
| 5 | 5 | STANDON ADJUSTABLE PIPE SUPPORTS |
| 6 | 3 | 8" GROOVE COUPLING |
| 7 | 1 | 3" GROOVE COUPLING |
| 8 | 1 | 60" X 72" EICO H6072991CHS (H2O) HATCH WITH LIFT ASSIST AND SAFE GRATE SYSTEM |
| 9 | 2 | 2 1/2" - 0 - 200 PSI PRESSURE GAUGE GLYCERIN FILLED WITH 1/4 SS ISOLATION VALVE |
| 10 | 2 | 8" X 3" FL X PE 304 STAINLESS STEEL TEE |
| 11 | 2 | 8" - 304 STAINLESS STEEL PIPING |
| 12 | 1 | 3" - 304 STAINLESS STEEL PIPING |
| 13 | 2 | 8" LINK SEAL ASSEMBLY |
| 14 | 2 | ROMAC 600 SERIES SPLIT PIPE RESTRAINT |
| 15 | 2 | 12" X 2" TAPPING SADDLE WITH 2" CORPORATION STOP |
| 16 | 2 | RAFA SYSTEM REMOTE PRESSURE MONITORING SYSTEM |
| 17 | 2 | EICO VALVE BOX |
| 18 | 2 | 2" HOLE IN TOP OF VAULT AND SEAL WATER TIGHT AFTER PRESSURE SENSOR INSTALLED |
| 19 | 1 | LIBERTY S110 WATER POWERED SUMP PUMP WITH 1" BACKFLOW |
| 20 | 2 | STAINLESS STEEL BALL VALVE FOR WATER SUPPLY TO LIBERTY S110 SUMP PUMP |
| 21 | 1 | 1" PVC DISCHARGE LINE |
| 22 | 1 | H2O RATED PRV VAULT WHITE INTERIOR W/ BLACK EXTERIOR SEALANT |

- NOTES:
- ALL PIPING AND EQUIPMENT SUPPLIED BY PRESTIGE WORLDWIDE TECHNOLOGIES. ALL PIPING IS SCHEDULE 40 304 SS.
 - VAULT SUPPLIER WILL SUPPLY AN INDIVIDUAL WITH AT LEAST 10 YRS. EXP. WITH CONTROL VALVE EQUIPMENT START UP AND TROUBLESHOOTING.
 - VAULT SUPPLIER TO PROVIDE 3 COPIES OF O&M MANUALS.
 - VAULT SHOWN INCLUDES ALL EQUIPMENT REQUIRED FOR A FULLY FUNCTIONING PRV STATION. THIS INCLUDES DELIVERY TO SITE. DELIVERY, INSTALLER TO OFF-LOAD VAULT AND COORDINATE WITH SUPPLIER DELIVERY. INSTALLER MUST PROVIDE ALL EXCAVATION AND FINAL CONNECTIONS.
 - DISINFECTIONS, FINAL GRADE AND CONNECTIONS OUTSIDE OF THE VAULT ARE THE INSTALLERS RESPONSIBILITY.
 - PACKAGED PRV IS A.I.S. COMPLIANT.

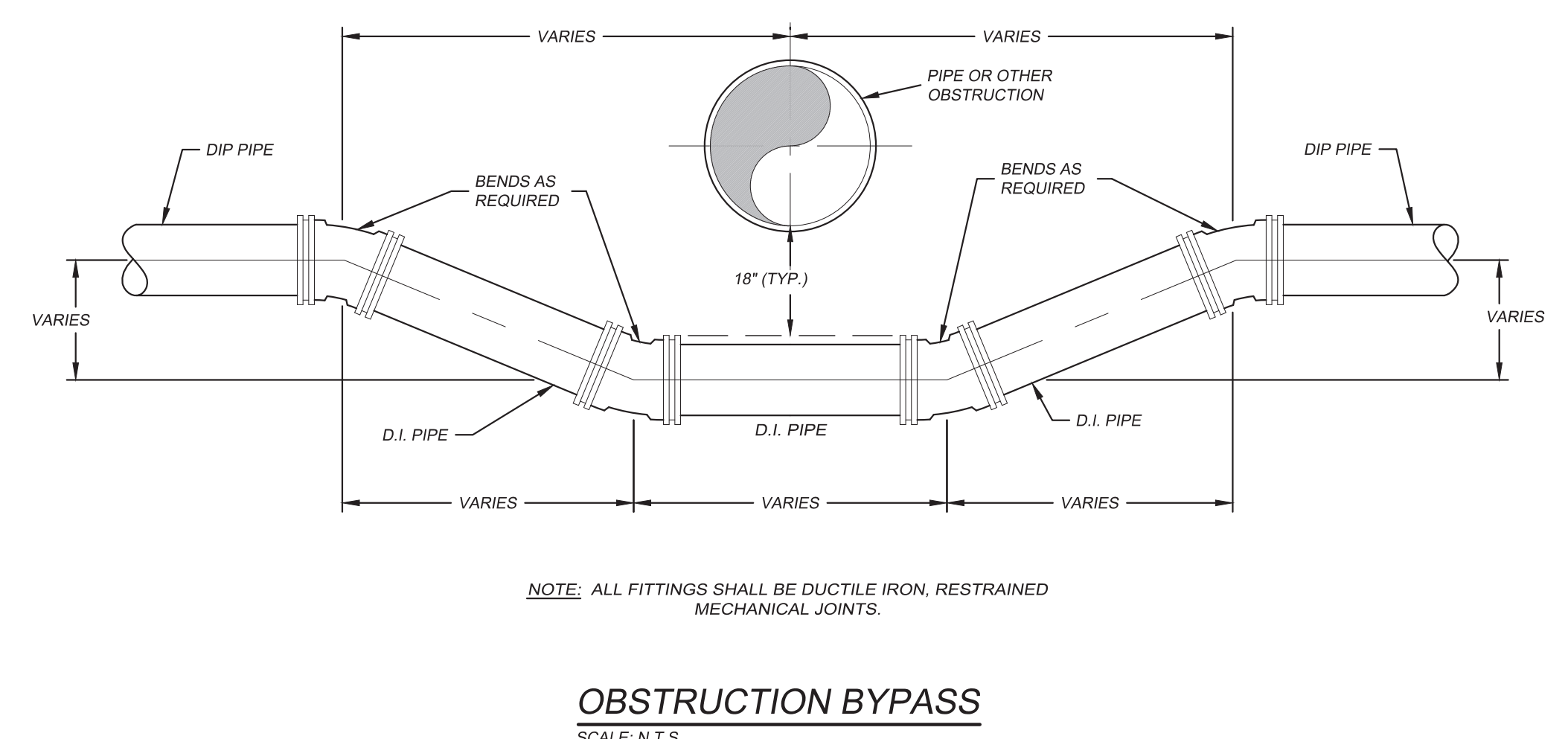
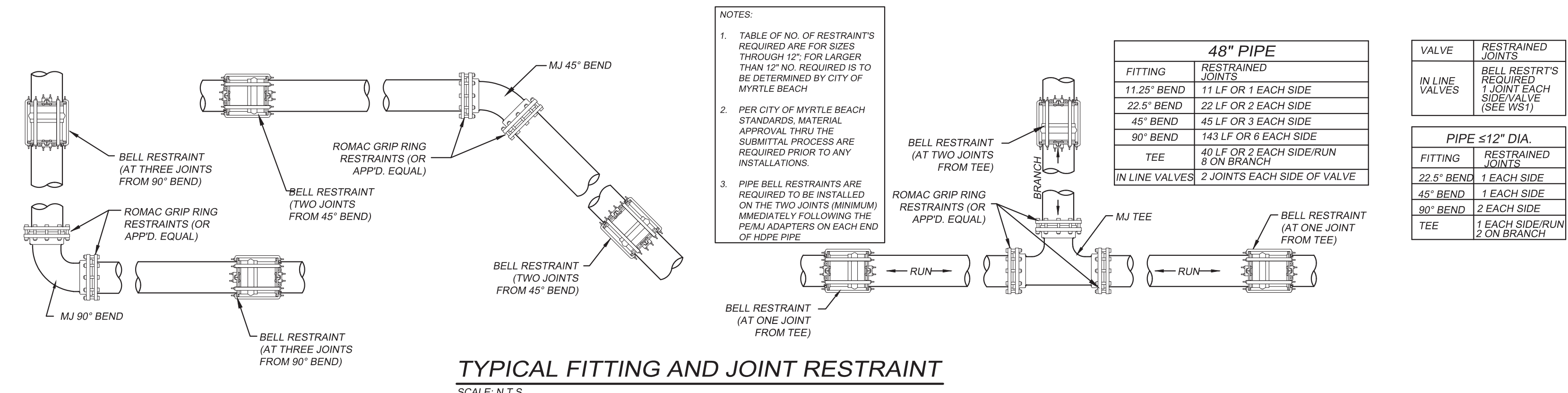


DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

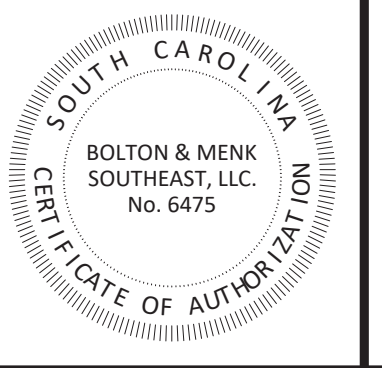
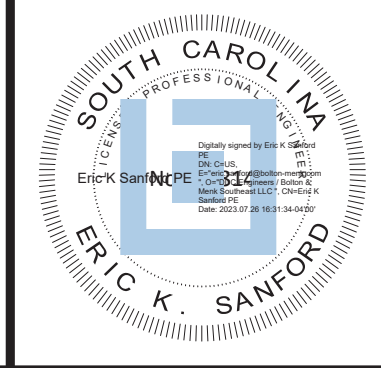
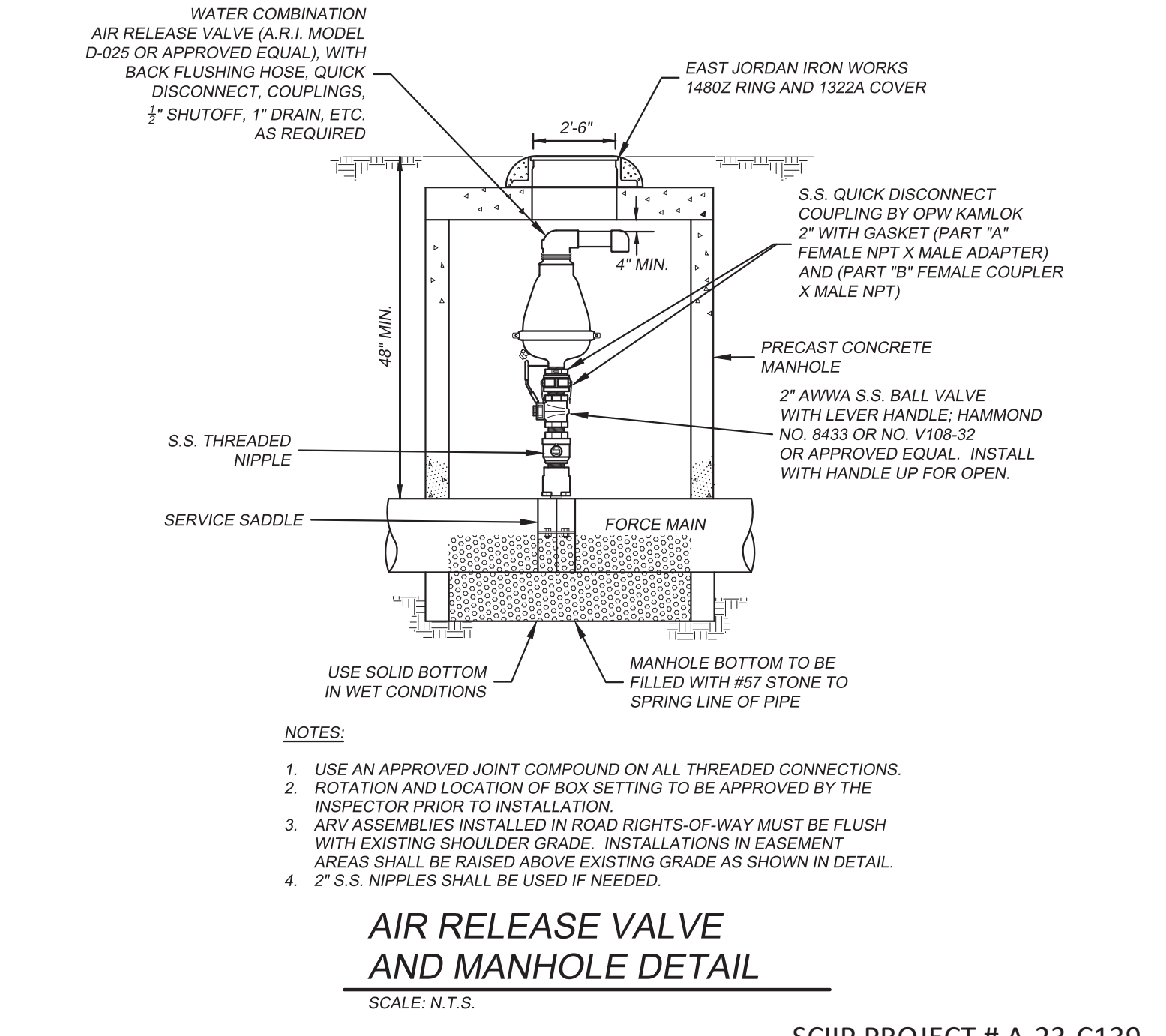
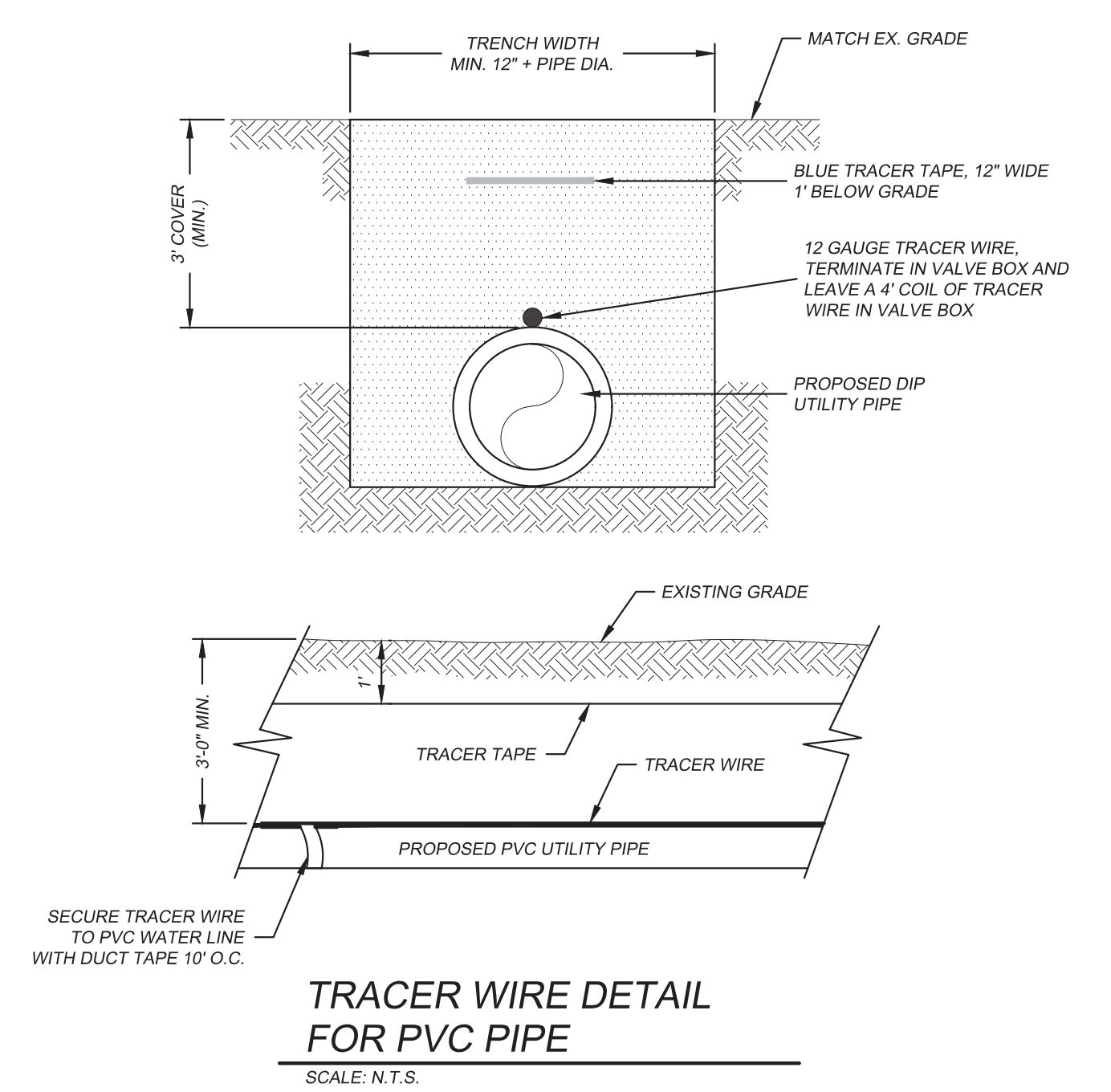
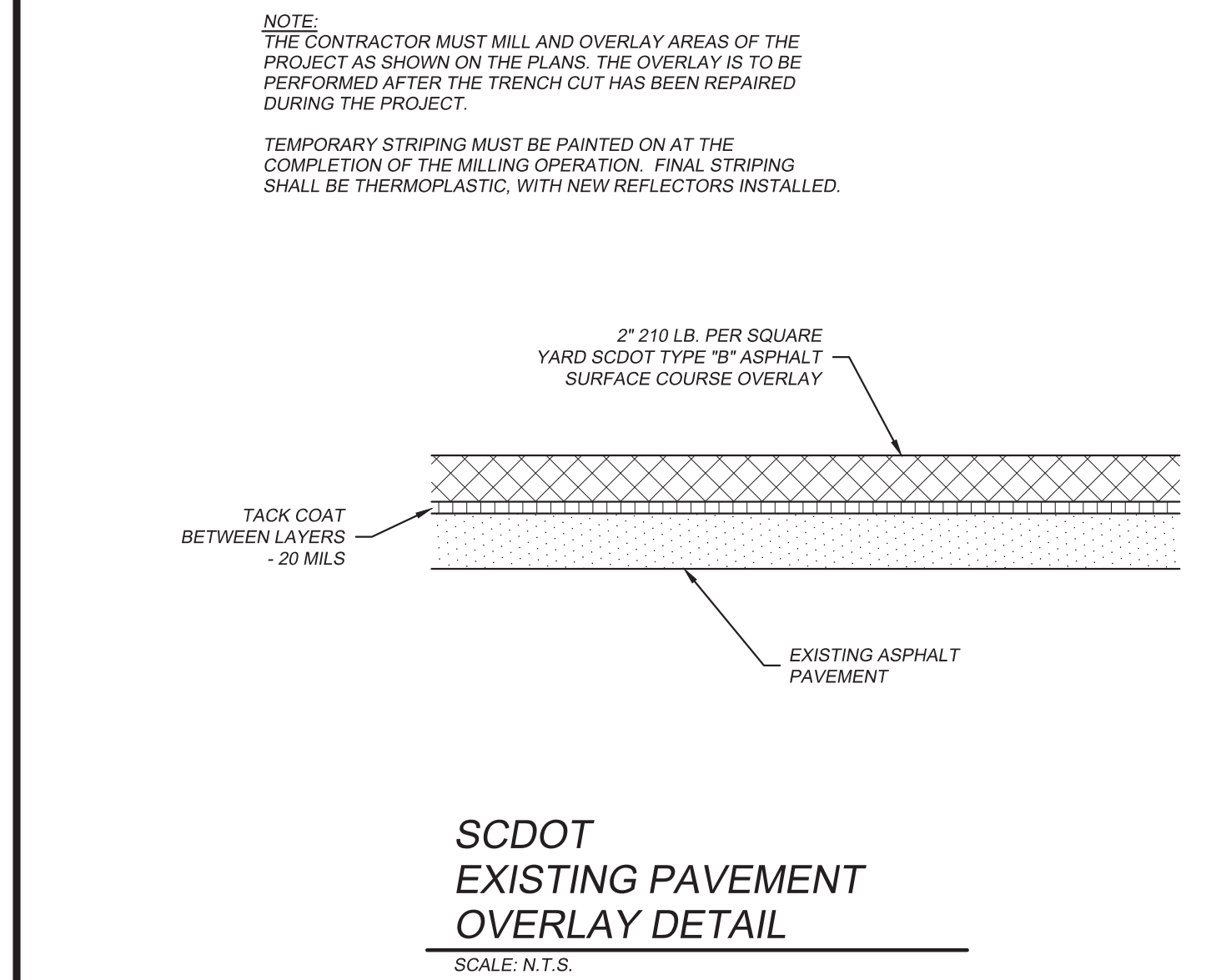
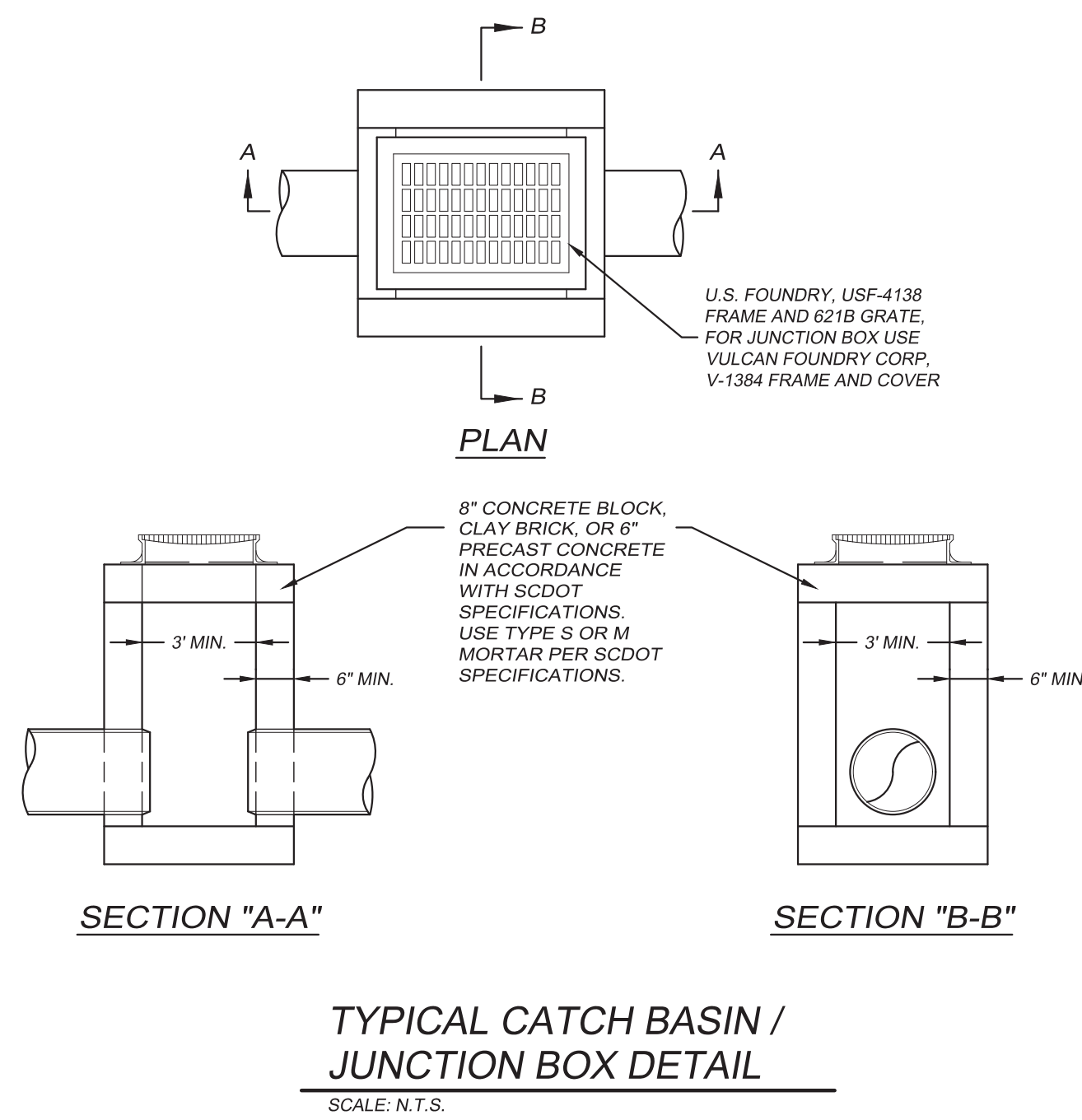
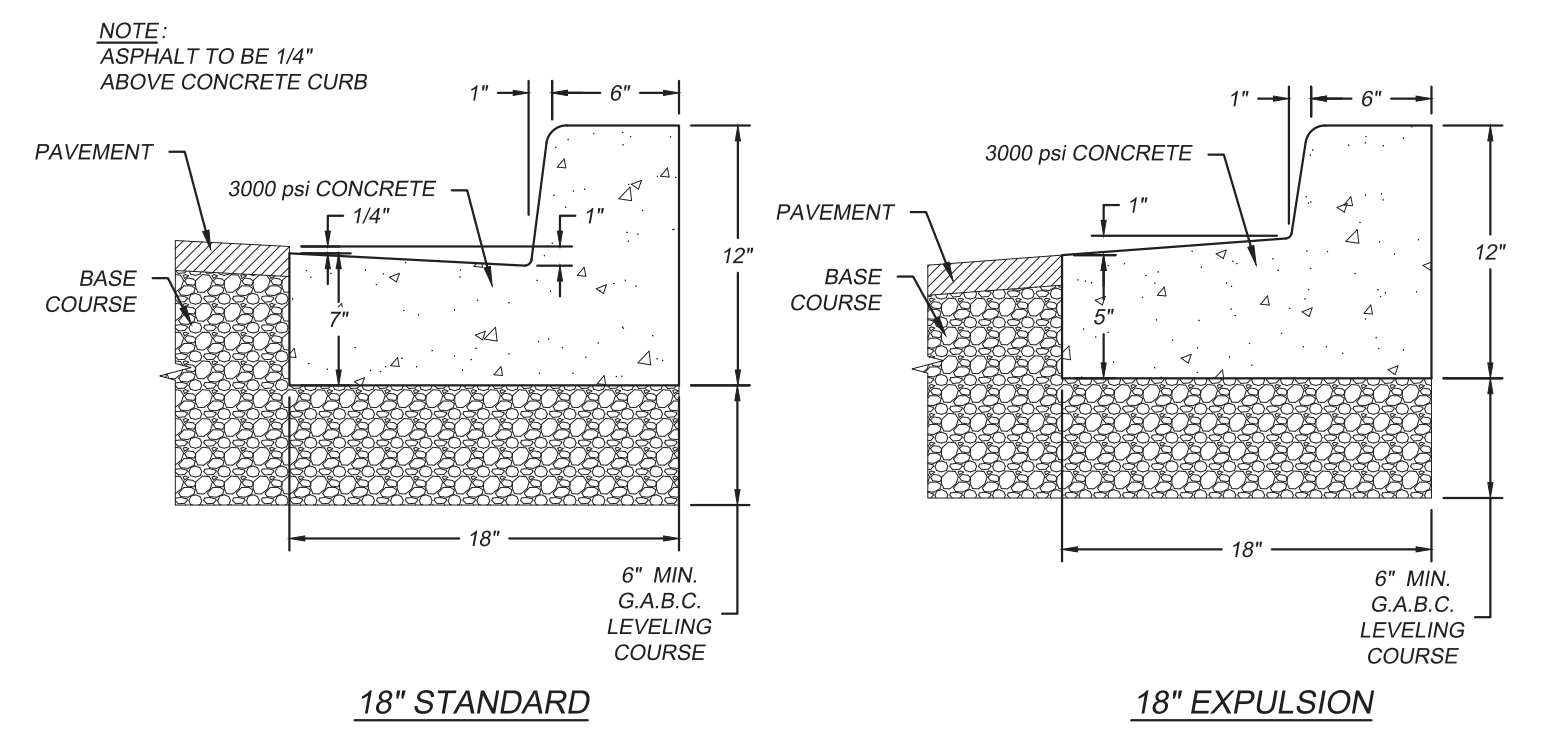
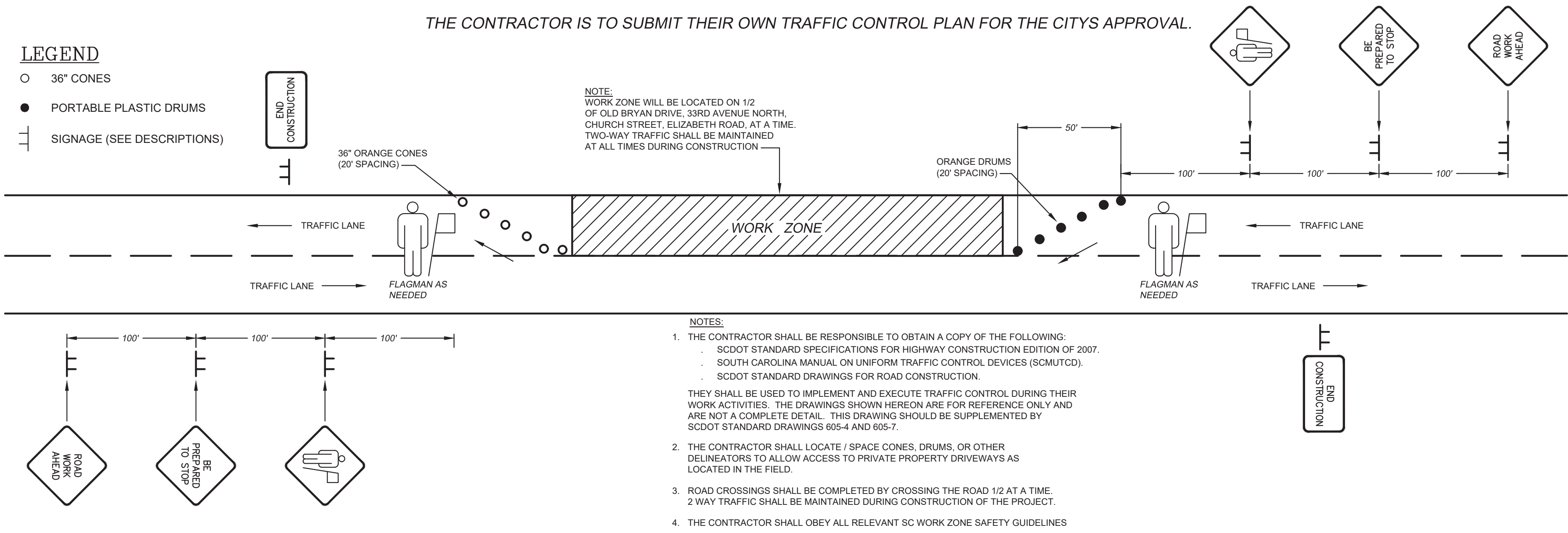
1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | | |
|------------------|---------|---------|------------------------------------|----------------------|-----|
| DATE | 1/17/23 | | | | |
| SCALE | 1" = 5' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA
PROPOSED PRV #18 AND DETAILS



TRAFFIC CONTROL FOR OLD BRYAN DRIVE, 33RD AVENUE NORTH, CHURCH STREET AND CHAUCER LANE



1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

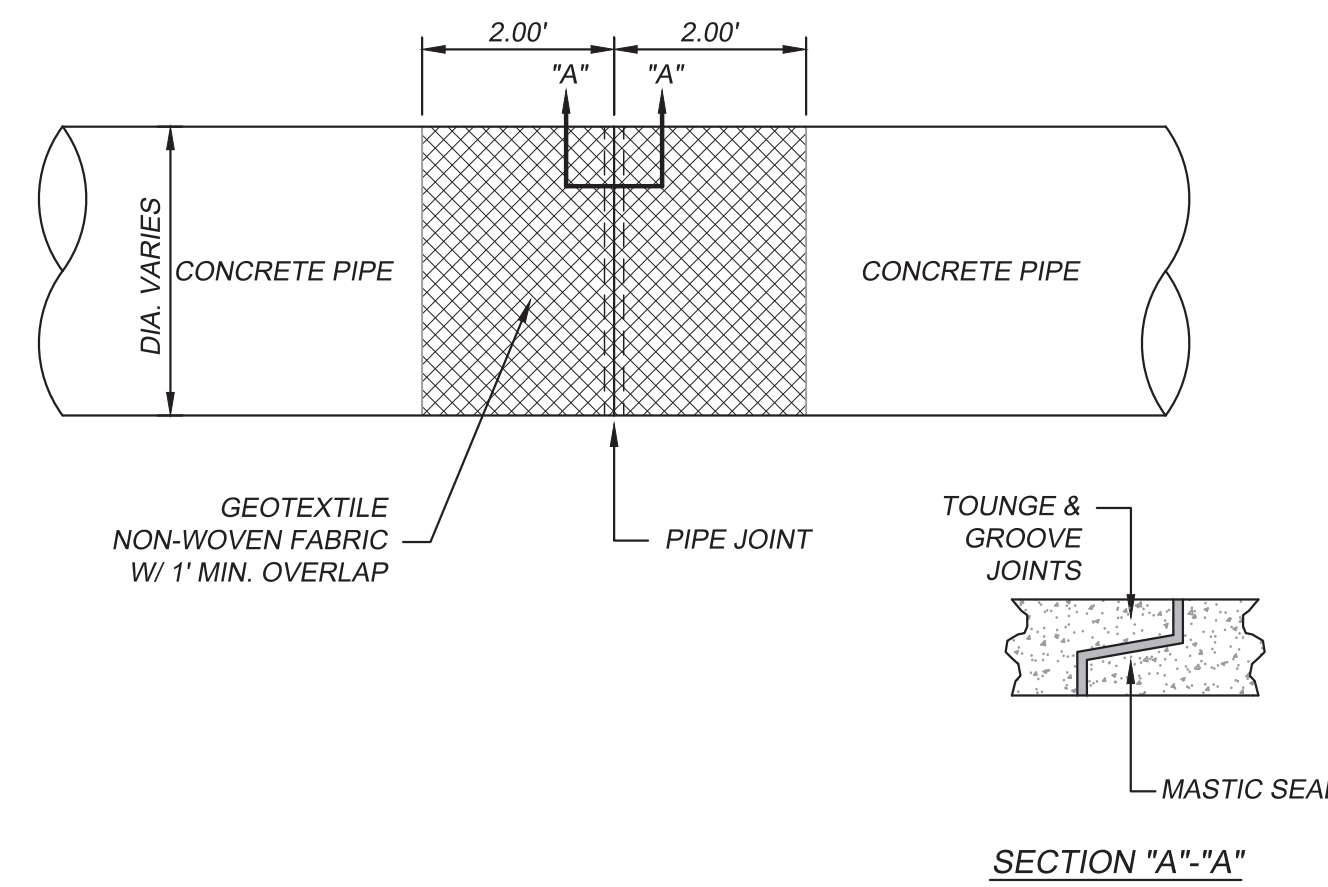
| DATE | 1/17/23 | | | | |
|------------------|----------|-----|---------|------------------------------------|-----|
| SCALE | NO SCALE | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

DETAIL SHEET

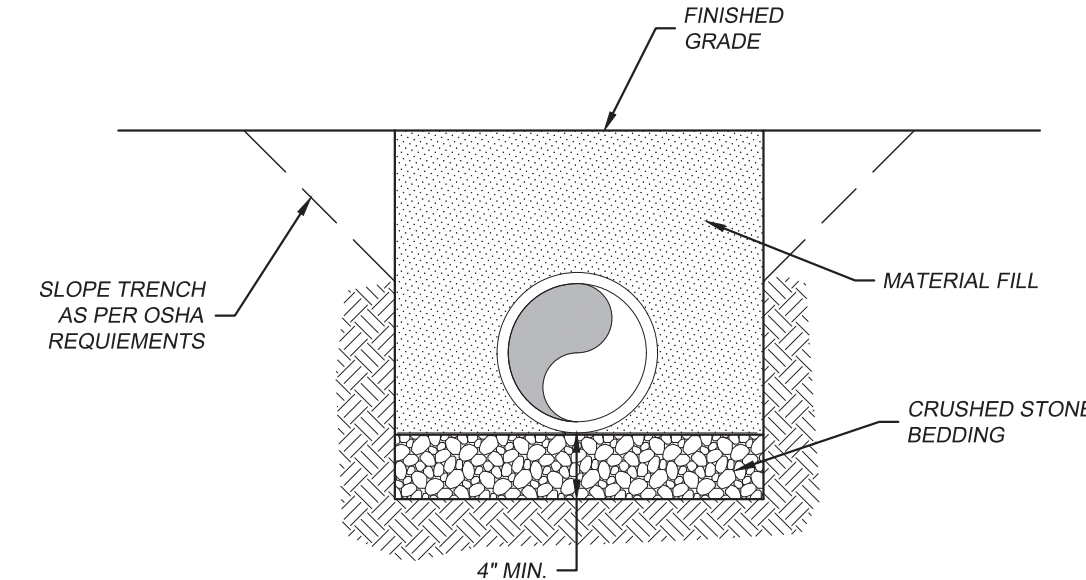
SCIP PROJECT # A-23-C139

SHEET
C5.01



PIPE JOINT DETAIL

SCALE: N.T.S.

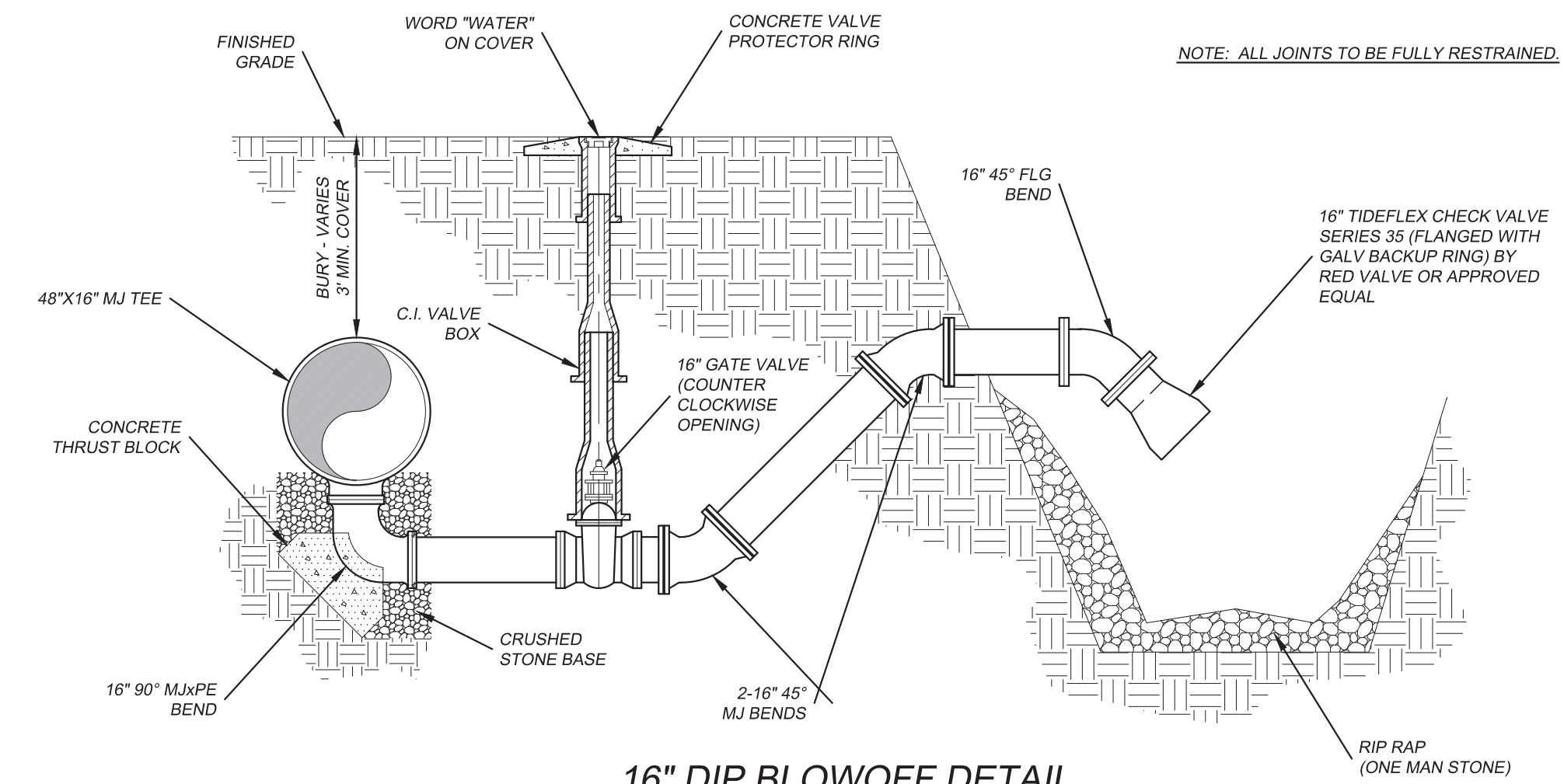


NOTES:

1. BEDDING IS REQUIRED WHEN TRENCH BOTTOM IS BELOW THE WATER TABLE.
2. BEDDING SHALL BE COMPACTED CRUSHED STONE (CLASS 1 MATERIAL) SHAPED TO THE BOTTOM OF THE PIPE.
3. FILL SHALL BE SUITABLE MATERIAL IN NON PAVEMENT AREAS AND AGGREGATE BACKFILL MATERIAL IN PAVEMENT AREAS AND COMPACTED TO 95% OF THE SOILS STANDARD PROCTOR.
4. FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS OR ORGANICS AND COMPACTED TO 95% OF THE SOILS STANDARD PROCTOR.
5. FILTER FABRIC TO BE PLACED AT ALL JOINTS.

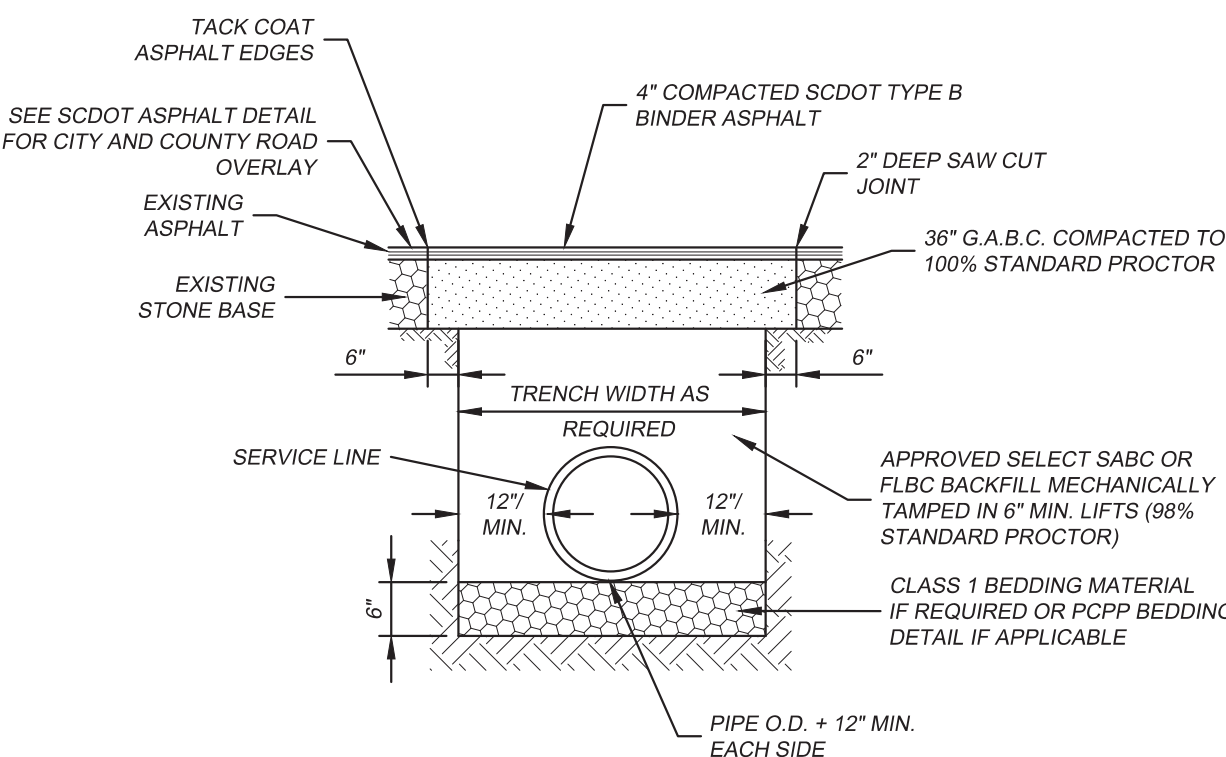
REINFORCED CONCRETE PIPE BEDDING DETAIL

SCALE: N.T.S.



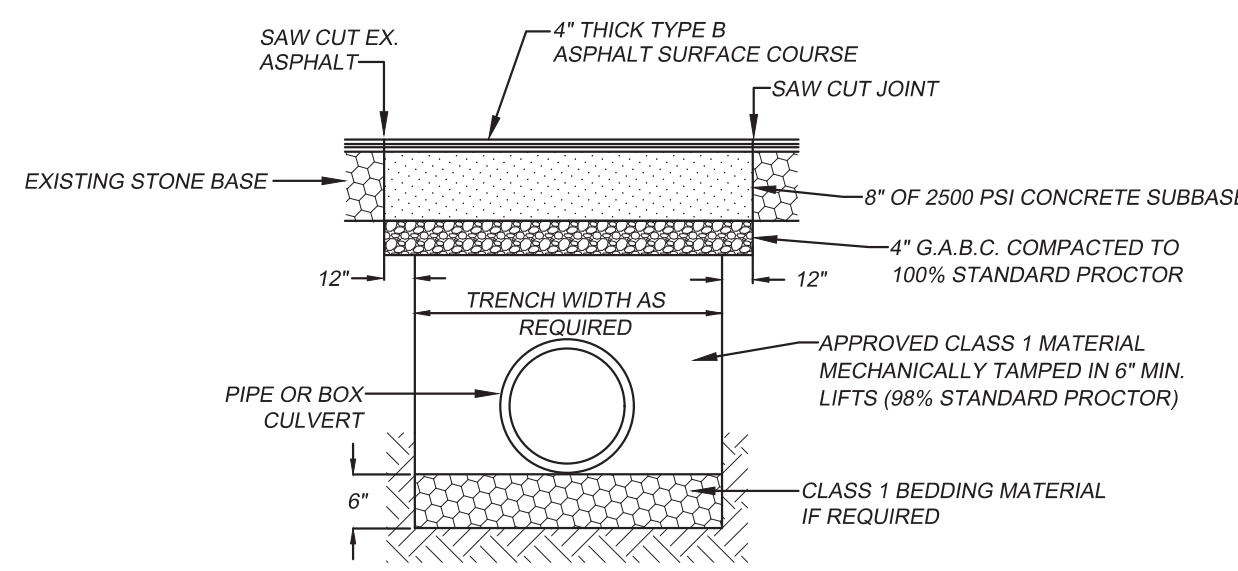
16" DIP BLOWOFF DETAIL

SCALE: N.T.S.



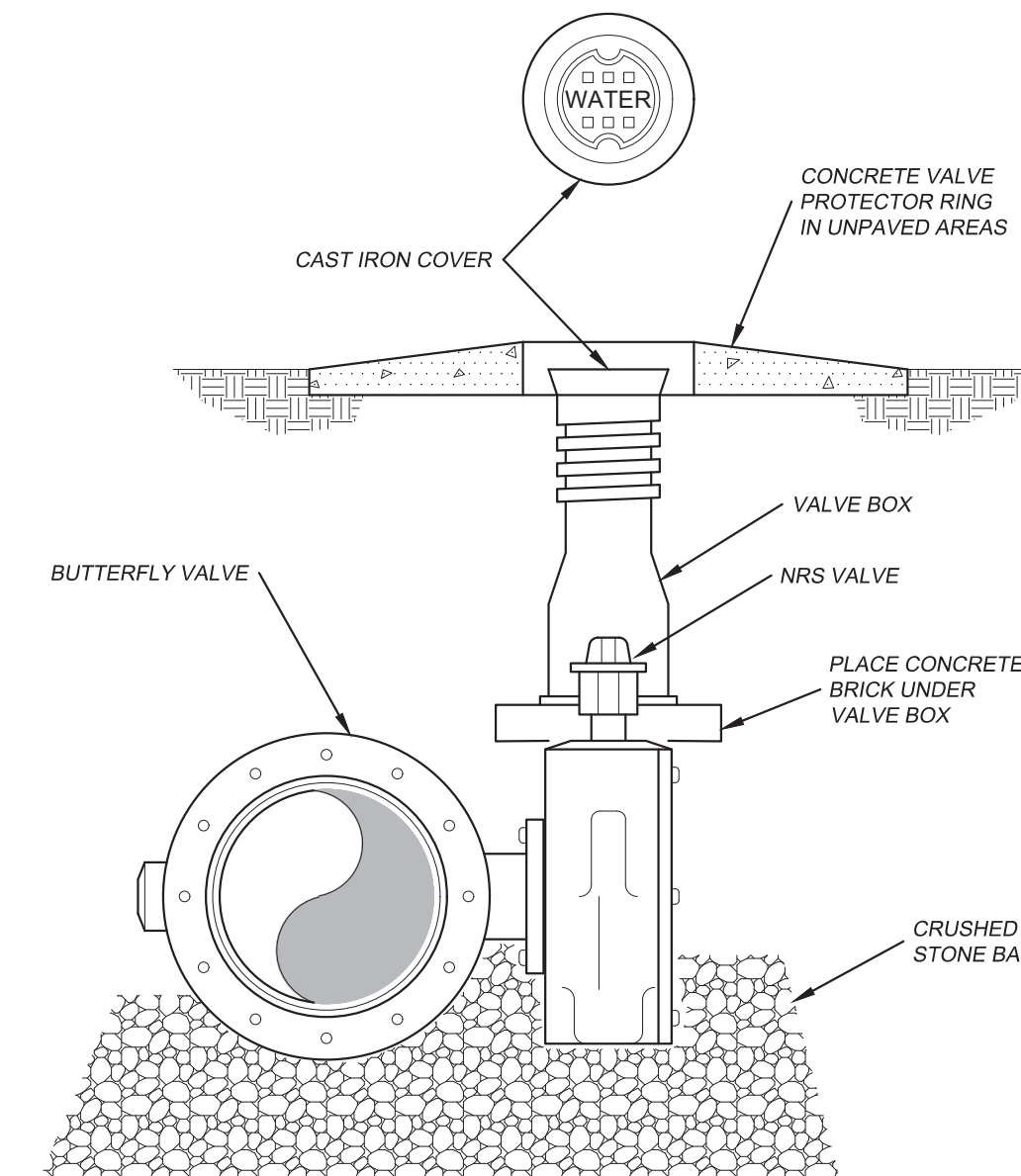
COUNTY AND CITY STREET ASPHALT ROADWAY PAVEMENT REPAIR

SCALE: N.T.S.



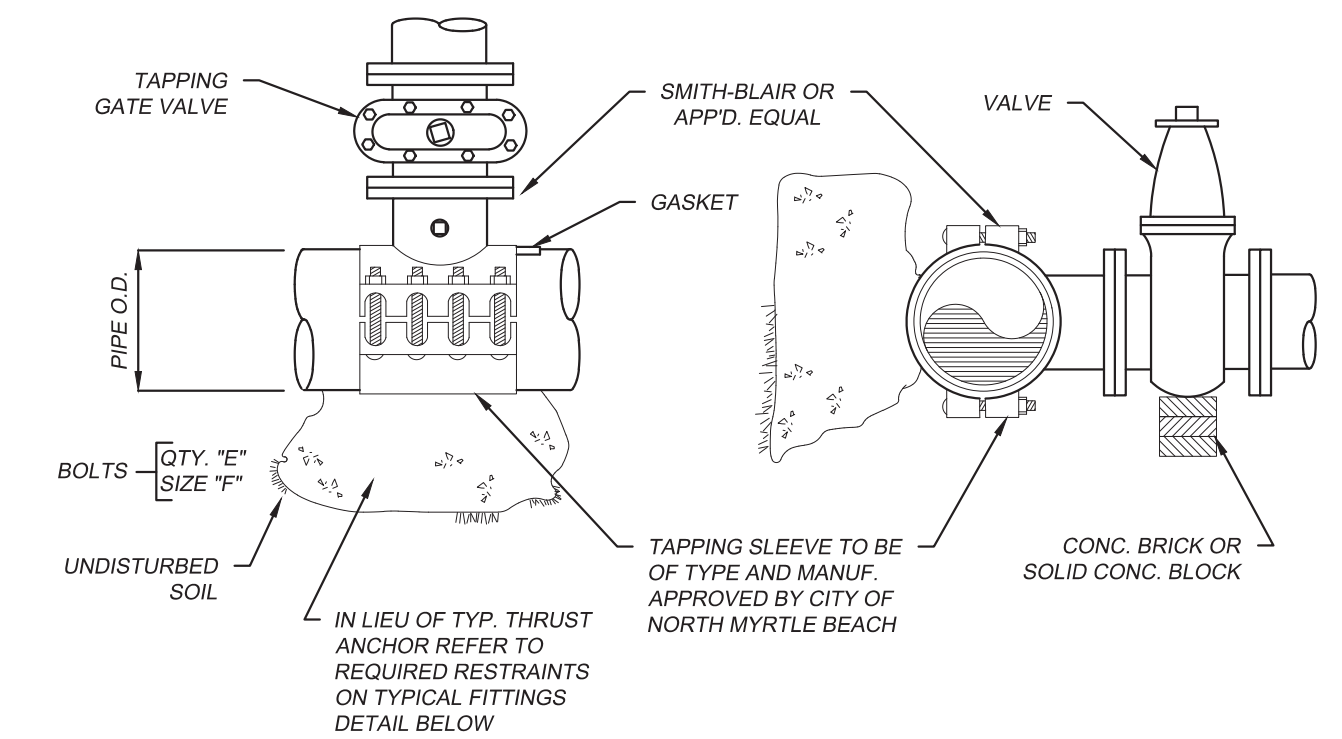
SCDOT ASPHALT PAVEMENT REPAIR

SCALE: N.T.S.



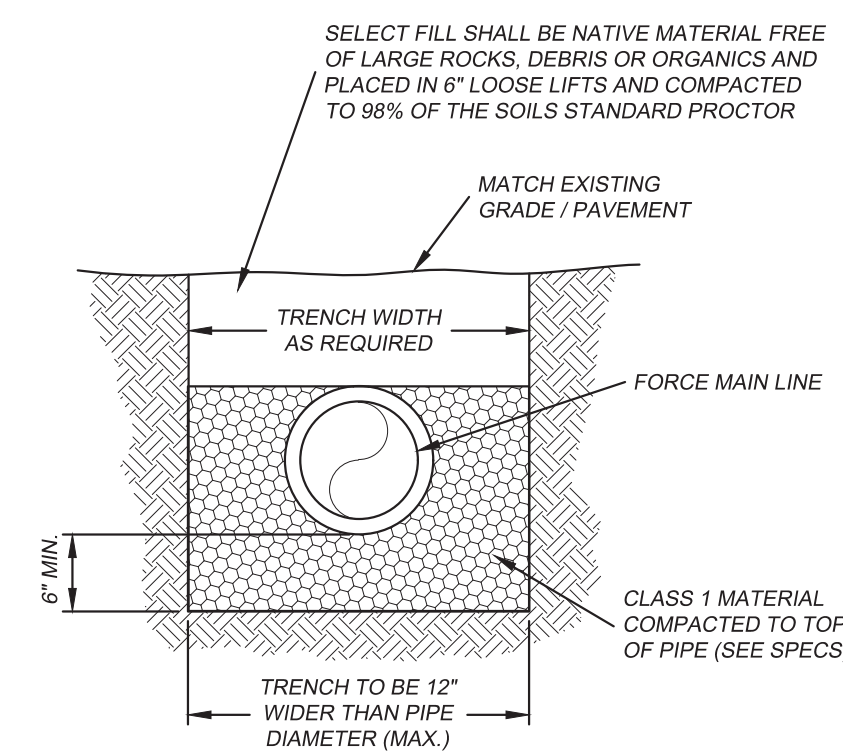
BUTTERFLY VALVE AND BOX DETAIL

SCALE: N.T.S.



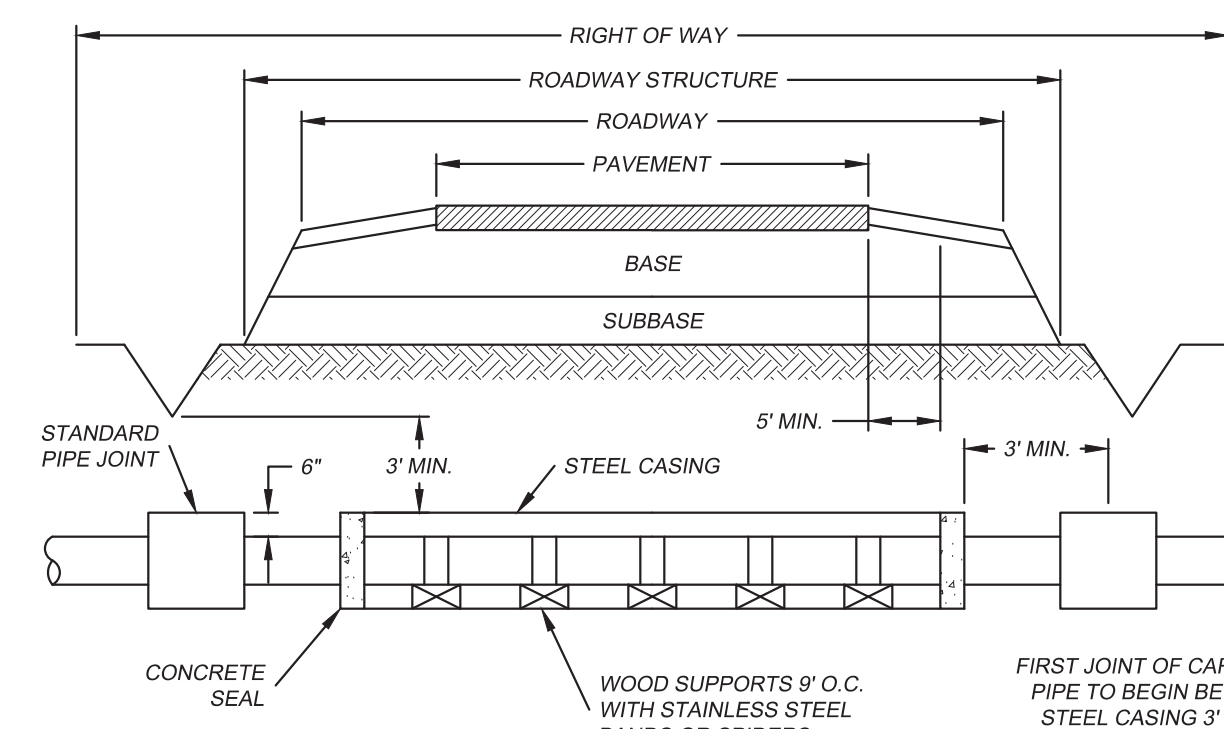
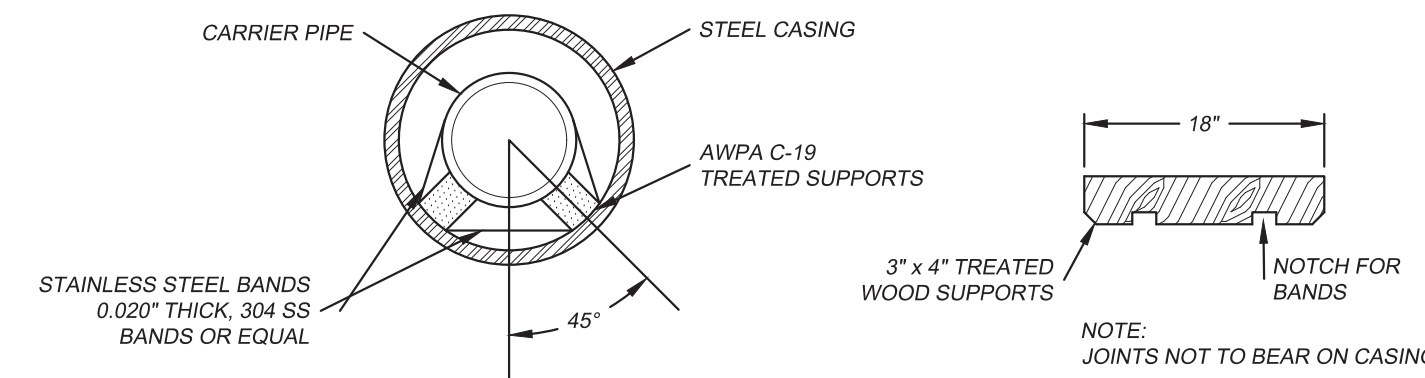
TYPICAL TAPPING SLEEVE (FOR WATERLINE OR SEWER FORCEMAIN)

SCALE: N.T.S.



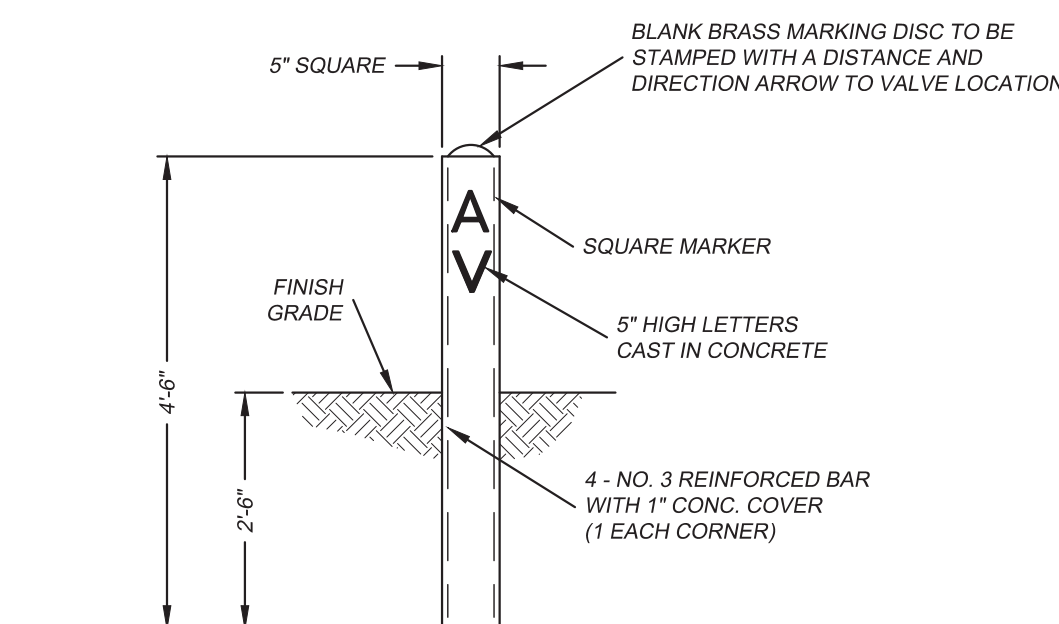
FORCE MAIN PIPE BEDDING IN PAVEMENT AREAS

SCALE: N.T.S.



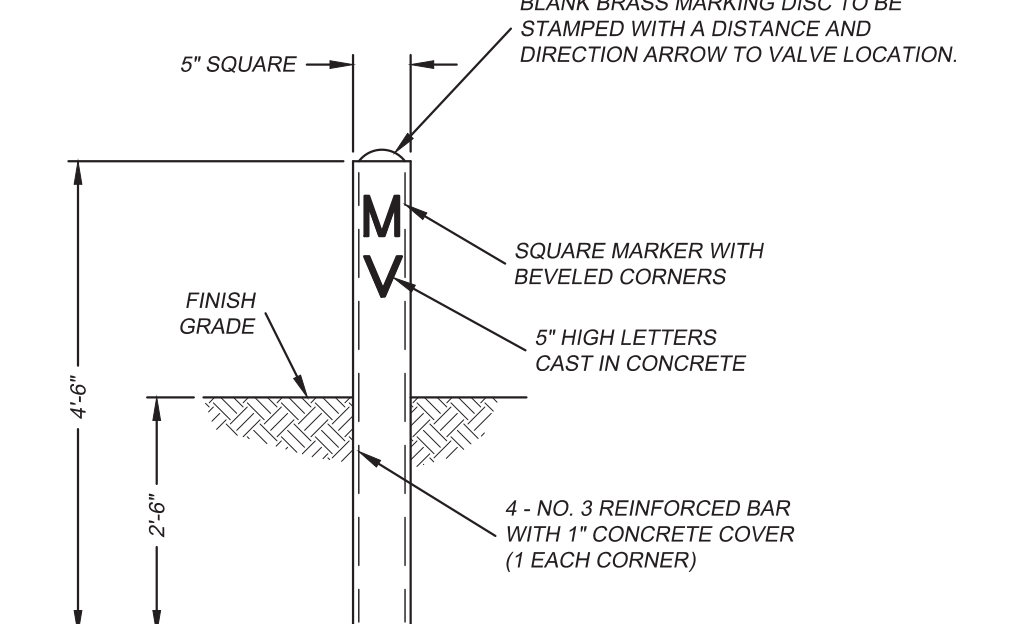
HIGHWAY CASING

SCALE: N.T.S.



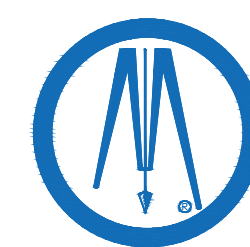
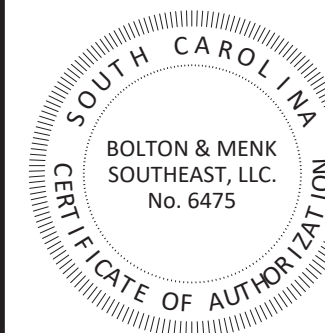
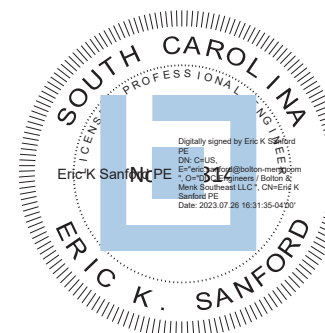
AIR RELEASE VALVE MARKER POST

SCALE: N.T.S.



MAIN VALVE MARKER POST

SCALE: N.T.S.



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | | |
|------------------|----------|---------|------------------------------------|--|-----|
| DATE | 1/17/23 | | | | |
| SCALE | NO SCALE | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | | | | |
| CLIENT PROJ. NO. | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | | PES |
| | NO. | DATE | REVISION DESCRIPTION | | BY |

CITY OF MYRTLE BEACH
 PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
 HORRY COUNTY, SOUTH CAROLINA

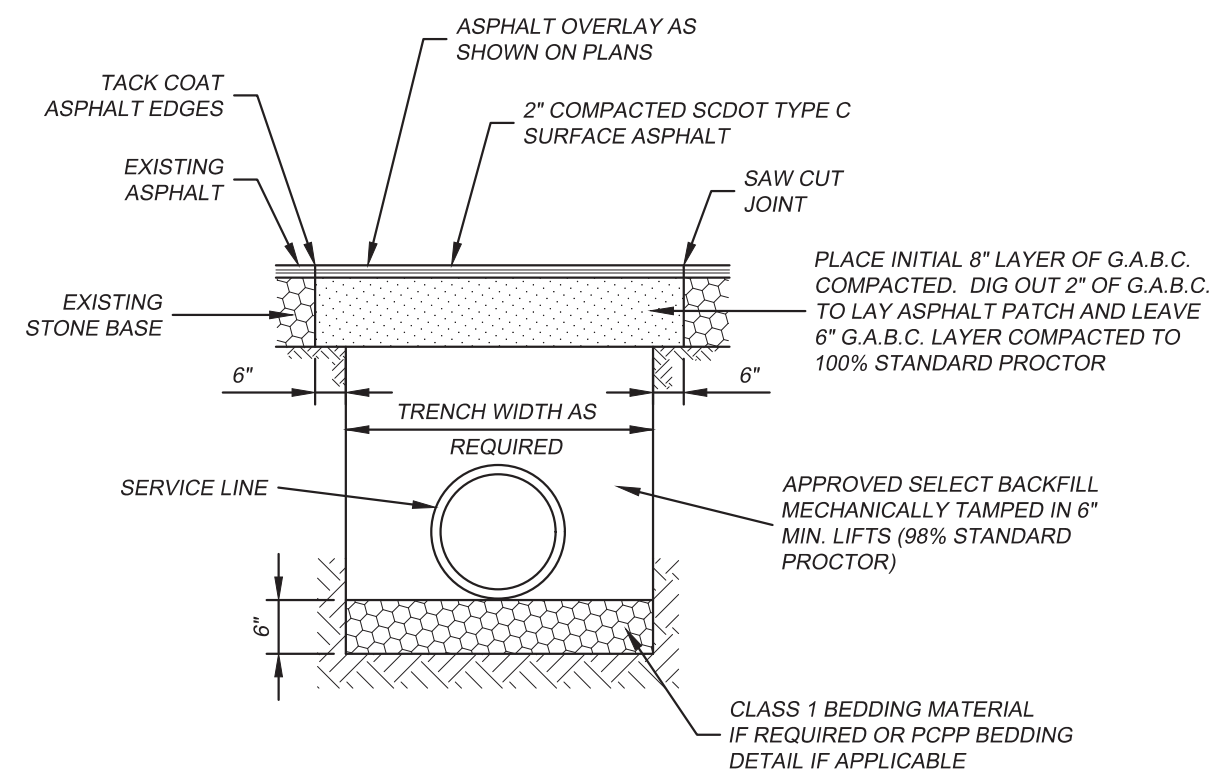
DETAIL SHEET

SCIIP PROJECT # A-23-C139

SHEET

C5.02

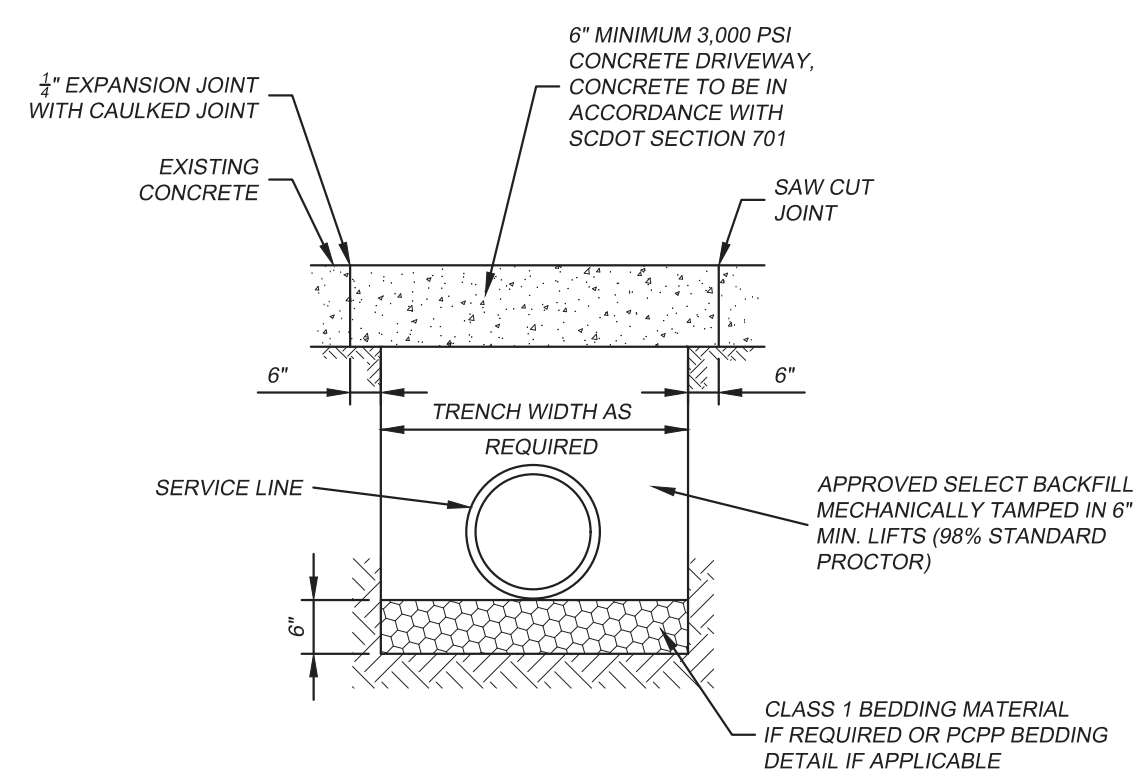
- NOTES:**
1. PAVEMENT CUT TO EXTEND 6" BEYOND EDGES OF TRENCH AS SHOWN. PAVEMENT SHALL BE CUT TO TRUE LINE AND REMOVED BEFORE TRENCH IS CUT. ALL PAVEMENT REPAIRS TO BE IN ACCORDANCE WITH ROAD AGENCY SPECS.
 2. ROAD AGENCY MAY REQUIRE A CUT AND PATCH OF TRENCH AREA AND OVERLAY OF ENTIRE APRON OR ENTRANCE FROM THE EDGE OF THE MAIN ROAD TO THE EDGE OF THE ROAD RIGHT-OF-WAY (SEE ENCROACHMENT PERMIT.)
 3. ASPHALT DRIVEWAY TO BE OVERLAYED FROM ROADWAY EDGE TO RIGHT-OF-WAY OR END OF EXISTING PAVEMENT IF EXISTING PAVEMENT ENDS BEFORE RIGHT-OF-WAY.



OPEN CUT ASPHALT DRIVEWAY PAVEMENT REPAIR

SCALE: N.T.S.

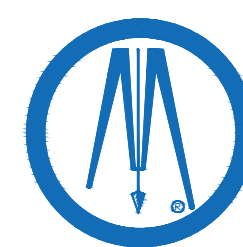
- NOTES:**
1. CONTRACTOR TO REPLACE CONCRETE DRIVEWAY FROM EDGE OF ROADWAY PAVEMENT EDGE TO THE FIRST CONCRETE CONSTRUCTION JOINT PASS THE TRENCH. IF THERE IS NO CONSTRUCTION JOINT PRIOR TO THE RIGHT-OF-WAY LINE, THE CONTRACTOR IS TO PROVIDE A SAW-CUT AT RIGHT-OF-WAY FOR CONCRETE REPLACEMENT.



OPEN CUT CONCRETE DRIVEWAY REPAIR

SCALE: N.T.S.

SCIIP PROJECT # A-23-C139



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
www.bolton-menk.com

| | | | | | |
|------------------|----------|-----|---------|------------------------------------|-----|
| DATE | 1/17/23 | | | | |
| SCALE | NO SCALE | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES | | | | |
| CHECKED | EKS | 2 | 7/19/23 | REVISED PER HORRY COUNTY COMMENTS. | PES |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
 PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
 HORRY COUNTY, SOUTH CAROLINA

DETAIL SHEET

SHEET

C5.03

SCDOT STANDARD NOTES:

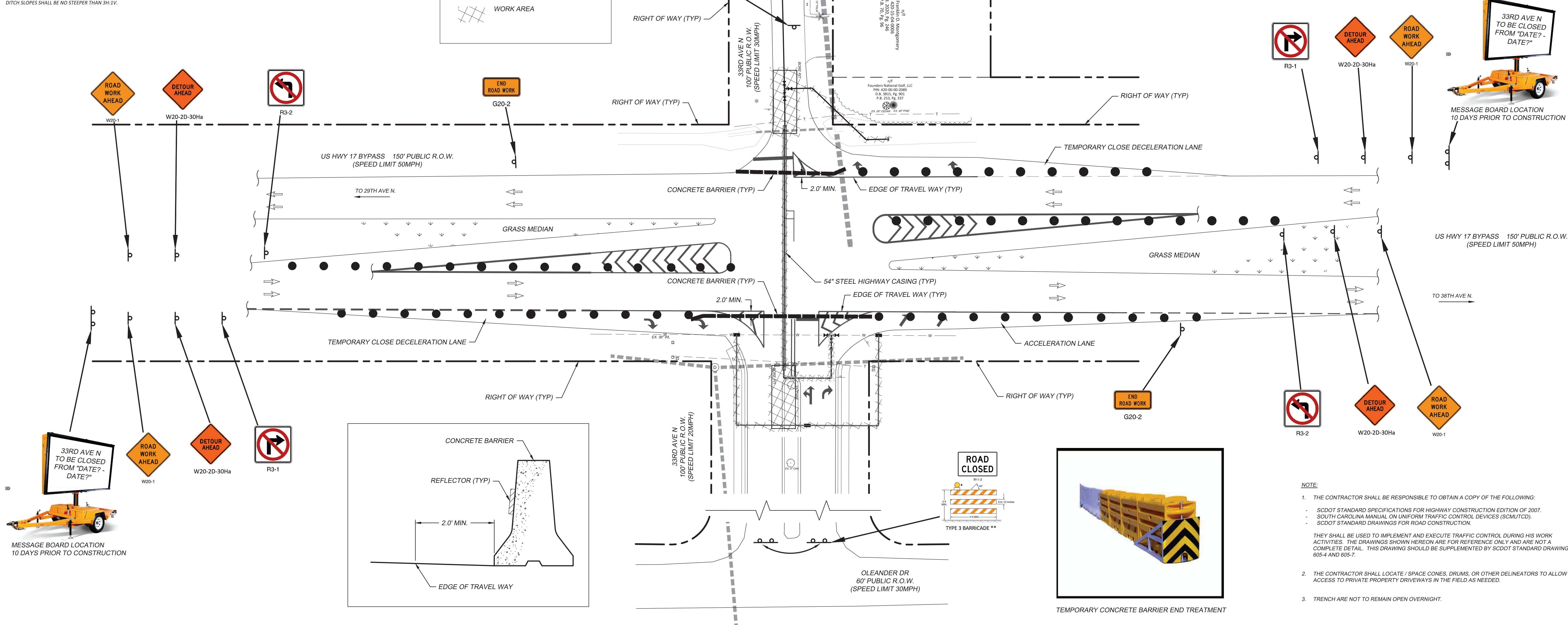
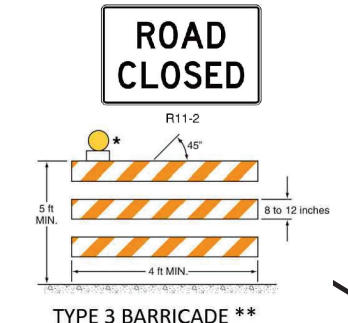
- THERE CAN BE NO WORK PERFORMED IN THE SCODT R/W BEFORE AN ENCROACHMENT PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION MEETING HAS BEEN HELD. THE PROPERTY OWNER AND CONTRACTOR MUST SCHEDULE AND ATTEND THE PRECONSTRUCTION MEETING.
 - ANY WORK PERFORMED BEFORE THE PRECONSTRUCTION MEETING WILL HAVE TAKEN PLACE WITHOUT SCODT KNOWLEDGE, OVERSIGHT, AND CONSENT AND SHALL BE SUBJECT TO REMOVAL BY THE APPLICANT AND/OR AT THE APPLICANT'S EXPENSE.
 - ANY REVISIONS TO THIS APPROVED PLAN SET MUST HAVE PRIOR, WRITTEN APPROVAL FROM SCODT OR ARE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE.
 - THE CONSTRUCTION ENTRANCE MUST BE ESTABLISHED AT THE LOCATION DESIGNATED IN THIS PLAN SET AND ACCORDING TO SCODT TYPICAL 815-505-00. NO ADDITIONAL ENTRANCES OR LOCATIONS OTHER THAN SHOWN IN THIS PLAN SET ARE ALLOWED WITHOUT WRITTEN NOTICE FROM SCODT. APPROVED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PROPERLY AND SHALL BE MAINTAINED AT ALL TIMES. KEEP ROADWAY PROTECTED AND SWEEP OFF AT ALL TIMES. ANY ADDITIONAL, EXISTING DRIVEWAYS OR CONSTRUCTION ENTRANCES, IF ANY, SHALL BE REMOVED FROM SCODT RIGHT OF WAY AT NO EXPENSE TO SCODT.
 - NO DEWATERING ACTIVITIES SHALL BE PERFORMED WITHIN SCODT R/W OR BRING FORTH WATER TO THE SCODT RIGHT OF WAY BY DIRECT OR INDIRECT METHODS.
 - POST DEVELOPMENT STORMWATER FLOWS TO THE SCODT R/W CANNOT EXCEED PREDEVELOPMENT FLOW RATES AT ANY TIME FOR ANY REASON.
 - THE APPLICANT IS SOLELY RESPONSIBLE FOR REPAIRS OF ANY AND ALL DAMAGE TO THE TRAVEL WAY DUE TO ANY WORK ALONG THE FRONTAGE OF THIS SITE, AT NO EXPENSE TO SCODT AND ALL REPAIRS MUST MEET CURRENT SCODT STANDARDS.
 - ANY DAMAGE TO THE TRAVEL LANE WILL REQUIRE A FULL DEPTH ASPHALT PATCH AND TOTAL ROADWAY (ALL ADJACENT TRAVEL LANES) ASPHALT OVERLAY. PATCHES LARGER THAN A FEW SQUARE FEET OR EXTENDING PAST 3 FEET INTO THE TRAVEL LANE SHALL REQUIRE AN OVERLAY OF THE ENTIRE WIDTH OF THE EXISTING TRAVEL WAY FOR 50 FEET BEYOND EACH SIDE OF THE FULL DEPTH PATCH. ALL OF THIS WORK WILL BE SOLELY AT THE EXPENSE OF THE APPLICANT AND MUST MEET CURRENT SCODT STANDARDS.
 - BEFORE INSTALLATION OF ANY NEW DRIVEWAY, THE EXISTING TRAVEL EDGE MUST BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM EDGE ALONG THE MOUTH OF THE PROPOSED DRIVEWAY. CARE MUST BE TAKEN TO NOT TO DAMAGE THE EDGE ONCE CUT. ANY DAMAGE TO THE TRAVEL LANE MUST BE REPAIRED AT THE APPLICANT'S EXPENSE.
 - PAVEMENT SECTION IN THE SCODT R/W SHALL BE, AT A MINIMUM:
 - 6 INCHES OF COMPACTED GABC
 - 4 INCHES OF COMPACTED TYPE B BINDER COURSE HOT MIX ASPHALT
 - 2 INCHES OF COMPACTED TYPE B SURFACE COURSE HOT MIX ASPHALT
 SEE SCODT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SURFACE COURSE HOT MIX ASPHALT INSTALLATION TIME AND TEMPERATURE RESTRICTIONS AND THERMAL PLASTIC TIME AND TEMPERATURE RESTRICTIONS.

OR

 - 8 INCHES OF COMPACTED GABC
 - 4 INCHES OF 4,000 PSI CONCRETE
 NO REINFORCEMENT WIRE, REBAR, OR METAL OF ANY KIND IS PERMITTED.
 - DRIVEWAY LANES SHALL BE A MINIMUM OF 12 FEET IN WIDTH MEASURED FROM EDGE TO EDGE OF ASPHALT.
 - DRIVEWAY RADIUS SHALL BE 30 FEET. (UNLESS NOTED OTHERWISE ON THE SCODT APPROVED PLANS.)
 - PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH REFLECTIVE BEADS PER SECTION 627 OF THE SCODT STANDARD SPECIFICATIONS:
 - ALL WHITE MARKINGS SHALL BE 125 MIL MINIMUM THICKNESS
 - ALL YELLOW MARKINGS SHALL BE 90 MIL MINIMUM THICKNESS
 - ALL PERMANENT SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS PER SCODT STANDARD DRAWING 615-110-00 AND SHALL HAVE A 7 VERTICAL FOOT CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE SIGN.
 - DRIVEWAYS SHALL BE CONSTRUCTED TO HAVE A MINIMUM OF A 2 FOOT GRASSED SHOULDER ON EACH SIDE OF THE DRIVEWAY THROAT.
- DITCH SLOPES SHALL BE NO STEEPER THAN 3H:1V.

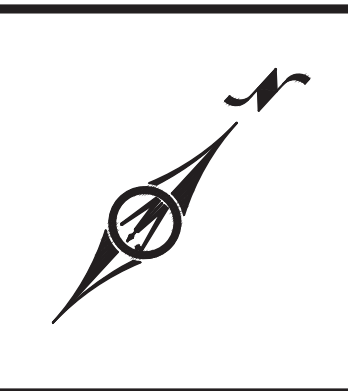
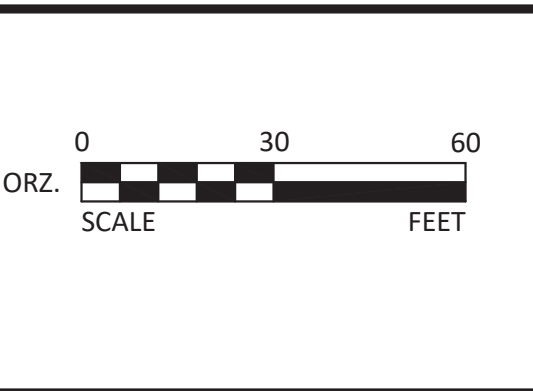
LEGEND

- PORTABLE PLASTIC DRUMS
- d SIGNAGE (SEE DESCRIPTIONS)
- ▨ WORK AREA



- DITCH SLOPES SHALL BE NO STEEPER THAN 3H:1V.
- ALL DRIVEWAY CULVERTS SHALL BE INSTALLED AND SEALED ACCORDING TO SCODT TYPICAL 714-205-01 DETAIL 4 AND 5 WITH AN ASHTO M 315 RUBBER GASKET SEAL, ON PROPER GRADE TO ALLOW FOR POSITIVE STORM WATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.
- ALL CULVERTS INSIDE OF THE SCODT R/W ARE TO BE INSTALLED WITH BEVELED ENDS PER SCODT STANDARD DRAWING 719-610-00 AND SEALED PER SCODT STANDARD DRAWING 714-205-01 AND CANNOT BE COVERED UNTIL AFTER AN INSPECTION BY THE SCODT INSPECTOR ASSIGNED TO THE PROJECT AT THE REQUIRED SCODT PRECONSTRUCTION MEETING.
- LANE CLOSURES ARE REQUIRED FOR ALL WORK WITHIN ONE FOOT OF THE TRAVEL WAY. SEE SCODT LOCAL MAINTENANCE WORK RESTRICTIONS FOR ADDITIONAL INFORMATION.
- SHOULDER CLOSURES ARE REQUIRED FOR ALL WORK IN THE SCODT R/W BEYOND ONE FOOT FROM THE TRAVEL WAY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE ALL REQUIRED INSPECTIONS IN ADVANCE. IF WORK REQUIRING INSPECTION IS PERFORMED WITHOUT PRIOR NOTICE BEING GIVEN TO SCODT, THAT INSTALLATION SHALL BE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE. SEVERAL MEANS OF CONTACT WILL BE GIVEN AT THE PRECONSTRUCTION MEETING. FAILURE TO OBTAIN CONTACT IS NOT AN APPROVAL TO PROCEED WITH ANY WORK.
- NO VEGETATION INSTALLED ON PRIVATE PROPERTY SHALL BLOCK THE SCODT SIGHT TRIANGLES OR SIGHT DISTANCES FOR MOTORISTS INGRESS OR EGRESS FROM APPROVED DRIVEWAYS AND OR ROADWAY INTERSECTIONS. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR KEEPING OFFSITE LANDSCAPINGS PROPERLY MAINTAINED TO IMPROVE ALL SIGHT DISTANCES. THE PROPERTY OWNER SHALL ALSO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES TO SIDEWALK, DRIVEWAY OR ROADWAY, UTILITY, DRAINAGE OR OTHER STRUCTURES DAMAGED DUE TO THE INSTALLATION OR EXISTENCE OF OFFSITE LANDSCAPING.
- THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY STRUCTURES LOCATED WITHIN THE RIGHT-OF-WAY AS A RESULT OF ROUTINE HIGHWAY MAINTENANCE OPERATIONS. THESE STRUCTURES INCLUDE BUT ARE NOT LIMITED TO ARV, METERS, VALVES, MANHOLES, ALL TYPE OF PEDESTALS AND UTILITY LINES (OVERHEAD AND/OR UNDERGROUND). THE APPLICANT SHOULD USE MECHANICAL MOWERS TO CUT AROUND THESE TYPE STRUCTURES TO INCREASE VISIBILITY FOR HIGHWAY MAINTENANCE WORKERS.
- APPLICANT IS RESPONSIBLE FOR THE INSTALLATION AND SECURING OF ANY VALVE OR MANHOLE RISERS AS NEEDED.
- THE DEPARTMENT SHALL BE HELD HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES AND LOSSES ASSOCIATED WITH WORK AS APPROVED UNDER THIS PERMIT APPLICATION. ANY SUCH DAMAGE CLAIMS RECEIVED BY THE DEPARTMENT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO PROCESS ACCORDINGLY. THE HOLD HARMLESS AGREEMENT SHALL BE FOR THE LIFE OF THE FACILITY, STRUCTURE(S) OR ENCROACHMENT AS IT REMAINS WITHIN PUBLIC RIGHT-OF-WAY.
- APPLICANT IS RESPONSIBLE FOR THE REPAIR OF ANY TRAFFIC SIGNAL LOOPS/WIRES/HEAD/CABINETS IF DAMAGED DUE TO THIS INSTALLATION. ALL WORK SHALL BE APPROVED UNDER THE DIRECTION OF THE SCODT DISTRICT SIGNAL SHOP AND PERFORMED BY A SCODT APPROVED SIGNAL CONTRACTOR, AT NO EXPENSE TO THE DEPARTMENT.
- IF REQUIRED UNDER THE APPROVED SCODT ENCROACHMENT PERMIT, A THIRD PARTY TESTER SHALL BE REQUIRED AT THE APPLICANT'S EXPENSE TO PERFORM COMPACTION ANALYSIS AND WITNESS A PASSING PROOF ROLL ON ALL SUB-GRADE, BASE, AND ASPHALT. ONE THIRD PARTY INSPECTOR SHALL TAKE DENSITY READINGS AT RANDOM STATION NUMBERS. A SECOND (2ND) THIRD PARTY INSPECTOR/TESTER SHALL BE AT THE ASPHALT PLANT TESTING THE ASPHALT AT THE TIME THAT SURFACE ASPHALT IS BEING PRODUCED AND PUT DOWN ON THE JOB. ONE CORE SAMPLE (LOCATIONS TO BE DETERMINED) SHALL BE TAKEN AND WEIGHED BY THE THIRD PARTY INSPECTOR. ALL RESULTS TO BE SUBMITTED IN WRITING TO SCODT FOR REVIEW THE FOLLOWING DAY. WINTER WORK RESTRICTIONS AND HOLIDAY WORK RESTRICTIONS MUST BE ADHERED TO. SEE PERMIT FOR MORE DETAILS.
- AN INSPECTION DATE SHALL BE SET UP IN ADVANCE FOR WHICH THE INSPECTOR WILL COME OUT AND INSPECT THE SIDEWALK FORMS BEFORE POURING CONCRETE. DO NOT LEAVE MORE THAN A 2" DROP OFF UNATTENDED. NO MORE THAN A 2" DROP OFF OR A 3:1 DITCH SLOPE IS PERMITTED ANYWHERE WITHIN THE RIGHT OF WAY DUE TO THE CONSTRUCTION ASSOCIATED WITH THIS SIDEWALK. THE INSTALLATION OF SIDEWALK SHALL BE FLUSH WITH SHOULDER OR HAVE A DRAINAGE INLET BUILT UNDERNEATH TO ALLOW FOR PROPER STORM WATER FLOW. NO WATER SHALL POND IN SHOULDER, ROADWAY, DRIVEWAYS, OR RIGHT OF WAY DUE TO THIS INSTALLATION.
- ADA MATS (RAISED DETECTABLE WARNING PADS) SHALL BE INSTALLED AS WET INSETS AND AT ROADWAY INTERSECTIONS ONLY.
- NO VALVES OR OTHER APPURTENANCES IN ROADWAY ASPHALT, WITHIN 5 FEET OF EDGE OF PAVEMENT, OR WITHIN DITCH LINE OR SWALE LINE. APPLICANT SHALL INSTALL 8-16 FEET OF NEW, UNDAMAGED ROP ON PROPER GRADE, FACING THE PROPER DIRECTION, MATCHING THE DIAMETER OF DRIVEWAY AND/OR CROSS LINE UPSTREAM, BUT NOT EXCEEDING THE PIPE DIAMETER DOWNSTREAM, IF THE ABOVE CANNOT BE AVOIDED. INSTALL RIP RAP AROUND ANY EXPOSED PIPES, COVER AND SOD TO MEET SCODT MINIMUM STANDARDS. CALL SCODT ENCROACHMENT OFFICE FOR INSPECTION OF PIPE BEFORE COVERING.
- PROPOSED UTILITY INSTALLATION LOCATED IN SHOULDER AREA SHALL HAVE A MINIMUM COVER OF 42" ACCORDING TO FIGURE 6 OF APPENDIX B. ANY EXPOSED ROOTS TO BE REMOVED OR TRIMMED FLUSH WITH SHOULDER/DITCH.

- NOTE:**
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A COPY OF THE FOLLOWING:
 - SCODT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007.
 - SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (SCMUTCD).
 - SCODT STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
 THEY SHALL BE USED TO IMPLEMENT AND EXECUTE TRAFFIC CONTROL DURING HIS WORK ACTIVITIES. THE DRAWINGS SHOWN HEREON ARE FOR REFERENCE ONLY AND ARE NOT A COMPLETE DETAIL. THIS DRAWING SHOULD BE SUPPLEMENTED BY SCODT STANDARD DRAWINGS 605-4 AND 605-7.
 - THE CONTRACTOR SHALL LOCATE / SPACE CONES, DRUMS, OR OTHER DELINEATORS TO ALLOW ACCESS TO PRIVATE PROPERTY DRIVEWAYS IN THE FIELD AS NEEDED.
 - TRENCH ARE NOT TO REMAIN OPEN OVERNIGHT.



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
Email: bmi@bolton-menk.com
www.bolton-menk.com

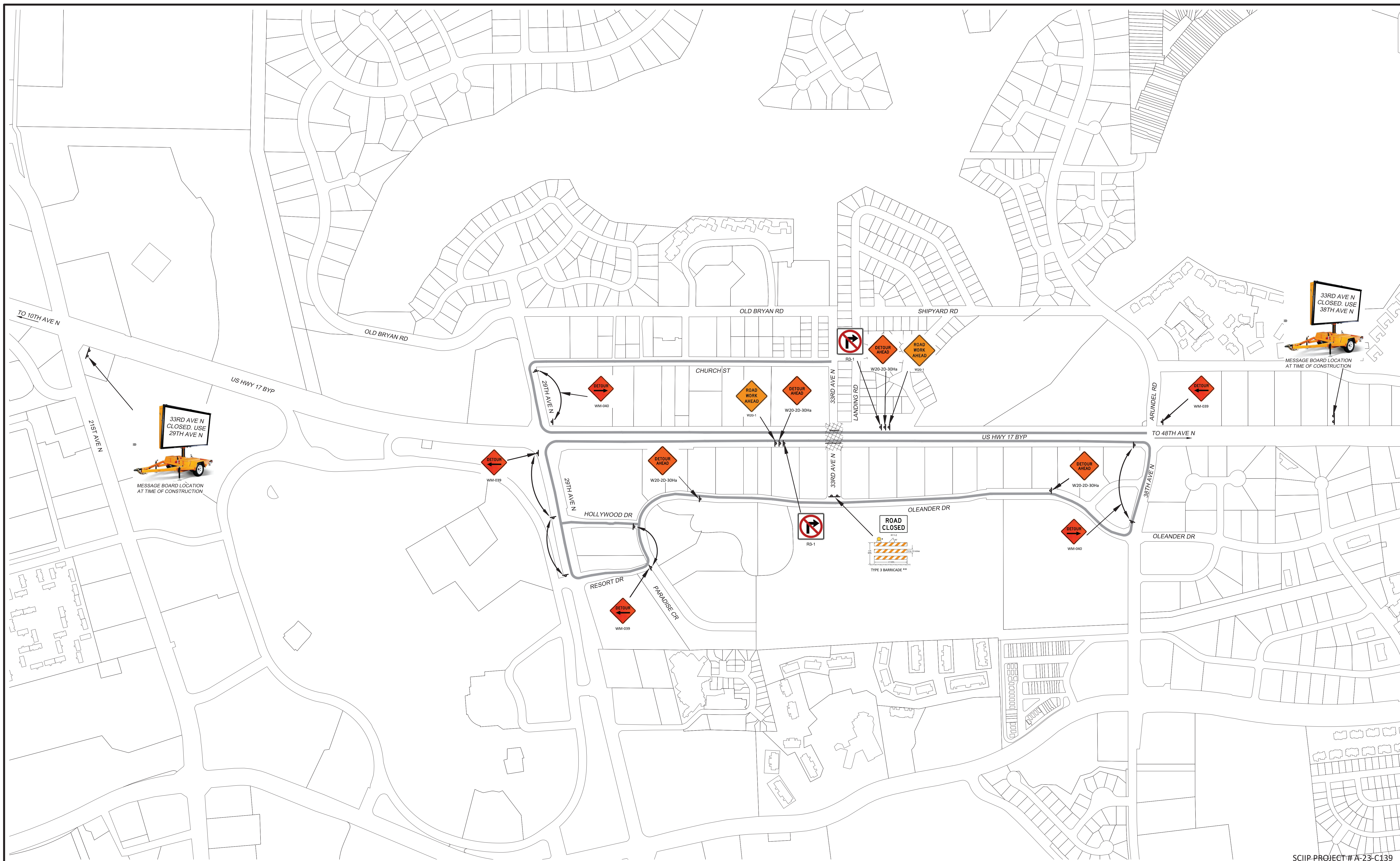
| | | | | | |
|------------------|----------|-----|------|----------------------|----|
| DATE | 1/17/23 | | | | |
| SCALE | 1" = 50' | | | | |
| DESIGNED | EKS | | | | |
| DRAWN | PES/JBE | | | | |
| CHECKED | EKS | | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION | BY |

CITY OF MYRTLE BEACH
PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1
HORRY COUNTY, SOUTH CAROLINA

TRAFFIC CONTROL PLAN

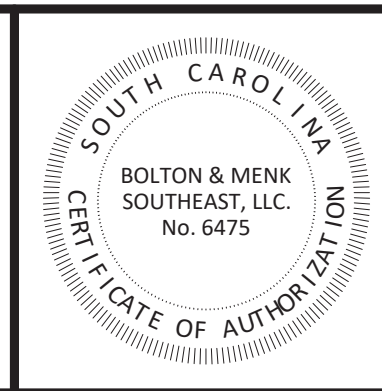
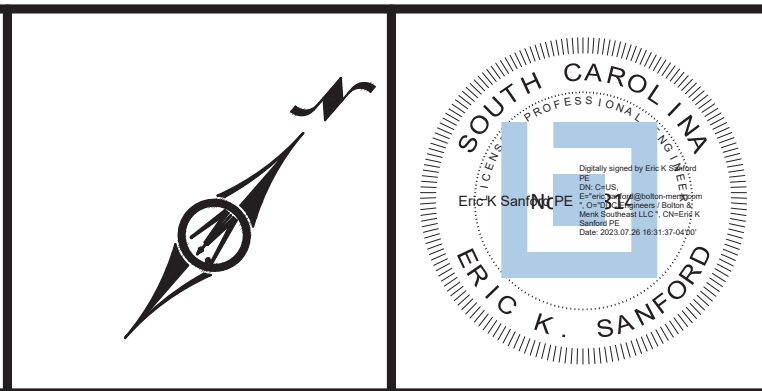
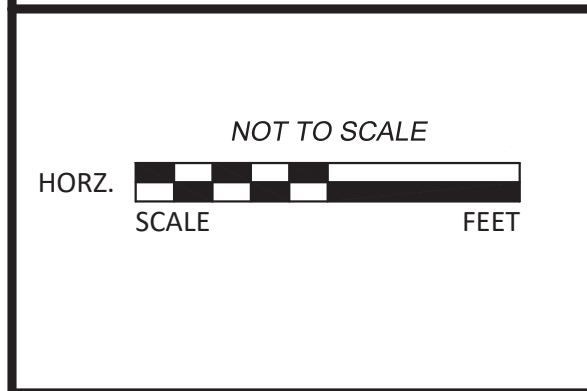
SCIP PROJECT # A-23-C139

SHEET T1



SCIIP-PROJECT # A-23-C139

© Bolton & Menk, Inc. 2023. All Rights Reserved



DDC Engineers
BOLTON & MENK, INC.
www.ddcinc.com

1298 PROFESSIONAL DRIVE
 MYRTLE BEACH, SOUTH CAROLINA 29577
 Phone: (843) 692-3200
 Email: bmi@bolton-menk.com
 www.bolton-menk.com

| | | | | |
|------------------|-----------|-----|------|----------------------|
| DATE | 1/17/23 | | | |
| SCALE | 1" = 300' | | | |
| DESIGNED | EKS | | | |
| DRAWN | PES/JBE | | | |
| CHECKED | EKS | | | |
| CLIENT PROJ. NO. | 21067E | NO. | DATE | REVISION DESCRIPTION |
| | | | | |

| | | |
|--|--|-------|
| CITY OF MYRTLE BEACH | | SHEET |
| PARALLEL LDM WATER TRANSMISSION MAIN - PHASE 1 | | |
| Horry County, South Carolina | | T2 |
| DETOUR PLAN | | |