



City of High Point

Meeting Agenda

Finance Committee

Municipal Office Building
211 S. Hamilton Street
High Point, NC 27260

Mayor Pro Tempore Britt Moore, Chair

Committee Members:

Monica Peters

Michael Holmes

Tim Andrew

Cyril Jefferson, Mayor (Alternate)

Michael Holmes, Council Member (Alternate)

Thursday, January 30, 2025

4:00 PM

Council Chambers

Finance Committee - Britt W. Moore, Chair

CALL TO ORDER

PRESENTATION OF ITEMS

- 2025-029 **Consideration of a Capacity Building Award from The Foundation for a Healthy High Point**
City Council is requested to consider a Capacity Building Funding Award from The Foundation for a Healthy High Point, approve a Budget Ordinance Amendment, and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-030 **Consideration of a Resolution Authorizing a Second Amendment to the Interlocal Agreement for the Everbridge Emergency Notification System**
City Council is requested to consider a Second Amendment to the Interlocal Agreement for the Everbridge Emergency Notification System, approve a Resolution, and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-031 **Consideration of a Sole Source Contract Renewal with Accruent**
City Council is requested to consider a contract renewal with Accruent, a sole source vendor, in the amount of \$68,308.28 for the annual renewal of the computerized management system (CMMS) software and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-032 **Consideration of Final Adjusting Change Order #3 to**

Triangle Grading & Paving, Inc.

City Council is requested to consider Final Adjusting Change Order #3 to Triangle Grading & Paving, Inc. in the amount of \$376,488.09 for additional costs associated with the Kersey Valley Road Realignment project and authorize the appropriate City Official(s) to execute all necessary documents. The new and final contract total will be \$5,312,944.54.

- 2025-033 **Consideration of a Sole Source Contract with PREDL Inc.**
City Council is requested to consider a sole source contract with PREDL Inc. in the amount of \$46,095.29 for sanitary sewer manhole rehabilitation and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-034 **Consideration of a Contract with Schnabel Engineering South, PC**
City Council is requested to consider a contract with Schnabel Engineering South, PC in the amount of \$3,735,000 for design services to support the replacement of Arnold Koonce City Lake Dam, adopt a capital project ordinance amendment, and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-035 **Consideration of Task Order with Davis-Martin-Powell**
City Council is requested to consider a task order with Davis-Martin-Powell in the amount of \$600,200 for professional engineering services to support the widening of SR 1818 Johnson Street and SR 1850 Sandy Ridge Road and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-036 **Consideration of a Utility Agreement with North Carolina Department of Transportation**
City Council is requested to consider a Utility Construction Agreement in the estimated amount of \$3,939,465.46 for the roadway widening project U-4758 involving SR 1818 Johnson Street and SR 1850 Sandy Ridge Road, and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-041 **Consideration of a Municipal Agreement with North Carolina Department of Transportation (NCDOT)**
City Council is requested to consider a Municipal Agreement with NCDOT in the amount of \$1,916,217.98 for the Johnson Street/Sandy Ridge Road project (U-4758) and authorize the appropriate City Official(s) to execute all necessary documents.
- 2025-037 **Consideration of a Sole Source Purchase from Mile High**

Shooting Accessories

City Council is requested to consider a sole source purchase from Mile High Shooting Accessories (MHSA) in the amount of \$37,703.58 for rifle replacement and repairs and authorize the appropriate City Official(s) to execute all necessary documents.

2025-039

Consideration of a Contract with SIMCON Company, LLC

City Council is requested to consider a contract with SIMCON Company, LLC in the amount of \$256,339 for the True Lane Roadway Project and authorize the appropriate City Official(s) to execute all necessary documents.

2025-040

Consideration of a Contract Renewal with Wake Forest Baptist Medical Center (WFBMC)

City Council is requested to consider a contract renewal with Wake Forest Baptist Medical Center in the estimated amount of \$379,086 for on-site health clinic services and authorize the appropriate City Official(s) to execute all necessary documents.

2025-042

Consideration of Sale of City Owned Property – 812 East Russell Avenue

City Council is requested to adopt the resolution accepting the offer of \$14,000.00 and authorizing the sale of 812 East Russell Avenue through the upset bid procedure of N.C.G.S. §160A-269.

ADJOURNMENT

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Capacity Building Award from The Foundation for a Healthy High Point

FROM:

Thanena Wilson, Community Development
& Housing Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Healthy High Point Award Cover Letter
 2. Capacity Building Award Budget Ordinance Amendment
-

PURPOSE: In response to our neighborhood associations' desire to enhance the leadership and organizational capacity of their organizations, the Community Development and Housing Department has received a capacity building award in the amount of \$22,000 from The Foundation for a Healthy High Point. Capacity building activities will be implemented through neighborhood micro-awards with the goal of fueling resident-led projects.

BACKGROUND: Through the Community & Neighborhood Development Division, the City has worked to assist and partner with 11 neighborhoods primarily located in the Core City. By providing training, technical assistance, and skill building opportunities, the neighborhood organizations will enhance their capacity and develop the tools necessary to advocate on behalf of their communities. The associations serve as the resource liaisons between their community and the City of High Point.

BUDGET IMPACT: A budget ordinance amendment appropriating the award is included with this item.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a Capacity Building Funding Award from The Foundation for a Healthy High Point, approve a Budget Ordinance Amendment, and authorize the appropriate City Official(s) to execute all necessary documents.



December 27, 2024

Thanena Wilson
City of High Point
Community Development & Housing Department
211 S. Hamilton Street
Suite 312
High Point, NC 27260

Dear Ms. Wilson:

The Foundation is pleased to provide the City of High Point, through the Community Development & Housing Department, funding to assist neighborhood associations with capacity building projects.

Please find enclosed a check for \$22,000.00 to support this project.

The Foundation is providing this funding as a part of its support to the community. Although this contribution is not a grant and does not have a reporting requirement, we ask that you share a summary of reports or presentations that are provided by the neighborhood associations describing their outcomes and impact.

Please do not hesitate to contact the Foundation with any questions.

Congratulations!

Sincerely,

Curtis Holloman
Executive Director

“AN ORDINANCE AMENDING THE 2024-2025 BUDGET ORDINANCE
OF THE CITY OF HIGH POINT, NORTH CAROLINA
TO APPROPRIATE FUNDS FOR THE FOUNDATION FOR A HEALTHY HIGH POINT
CAPACITY BUILDING AWARD

Be it ordained by the City Council of the City of High Point, North Carolina, as follows:

Section 1. The proposed amendment appropriates \$22,000 in award funds from The Foundation for a Healthy High Point. These funds will be utilized for capacity building activities through neighborhood micro-awards with the goal of fueling resident-led projects.

Section 2. The 2024-2025 Budget Ordinance of the City of High Point should be amended as follows:

(A) That the following General Fund revenues be amended as follows:

The Foundation for a Healthy High Point Award	\$22,000
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(B) That the following General Fund expenditures be amended as follows:

Capacity Building Activities	\$22,000
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Section 3. That all ordinances, or parts of ordinances in conflict with this ordinance are hereby repealed to the extent of such conflict.

Section 4. That this ordinance shall be effective from and after its passage."

Adopted by High Point City Council, this the 3rd day of February 2025

Cyril Jefferson, Mayor

ATTEST

Sandra Keeney, City Clerk

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Resolution Authorizing a Second Amendment to the Interlocal Agreement for the Everbridge Emergency Notification System

FROM:

Adam Ward, IT Services Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Resolution Everbridge Interlocal
 2. 2024 Everbridge Interlocal Agreement Amendment 2
 3. Bid Recommendation Form
-

PURPOSE: To approve the Second Amendment to the Interlocal Agreement for the Everbridge Emergency Notification System, extending the partnership with Guilford County and Greensboro for three one-year terms (November 3, 2024 - November 2, 2027).

BACKGROUND: Since 2016, Contract No. 00061-09/16-181 has enabled our regional emergency notification partnership with Guilford County and Greensboro. The system delivers critical emergency and weather alerts through multiple communication channels across jurisdictional boundaries. This proven partnership leverages shared resources for coordinated emergency response, with the proposed amendment increasing the City's annual cost from \$40,834 to \$40,851.30.

BUDGET IMPACT: Funds are available in the FY 2024-25 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a Second Amendment to the Interlocal Agreement for the Everbridge Emergency Notification System, approve a Resolution, and authorize the appropriate City Official(s) to execute all necessary documents.

**RESOLUTION AUTHORIZING THE SECOND AMENDMENT TO THE
INTERLOCAL AGREEMENT BETWEEN THE CITY OF HIGH POINT, CITY OF
GREENSBORO, AND GUILFORD COUNTY FOR THE EVERBRIDGE EMERGENCY
NOTIFICATION SYSTEM**

WHEREAS, the City of High Point, in partnership with Guilford County and the City of Greensboro, has collaborated in a joint Community notification system since 2016 to benefit the residents and visitors to Guilford County through Contract No. 00061-09/16-181; and

WHEREAS, this regional partnership has proven highly effective in delivering emergency alerts, severe weather warnings, and critical public safety information to residents across jurisdictional boundaries; and

WHEREAS, the Everbridge system has demonstrated its vital role in protecting public safety through rapid mass notification capabilities during emergencies, severe weather events, and other critical situations; and

WHEREAS, the continued partnership through this Interlocal Agreement enables cost-effective delivery of this essential public safety service through shared resources and coordinated emergency communications; and

WHEREAS, the Second Amendment to the Interlocal Agreement provides for three additional one-year renewal terms from November 3, 2024 through November 2, 2027, with an annual cost not to exceed \$40,851.30;

NOW, THEREFORE, BE IT RESOLVED by the City Council of High Point.

Section 1. The City Council hereby approves the Second Amendment to Contract No. 00061-09/16-181, the Interlocal Agreement between the City of High Point, City of Greensboro, and Guilford County for the continued operation of the Everbridge Emergency Notification System.

Section 2. The City Council authorizes the annual expenditure not to exceed \$40,851.30 for the City's portion of the Everbridge system costs for each of the three one-year renewal terms.

Section 3. The City Manager and City Clerk are hereby authorized to execute the Second Amendment to the Interlocal Agreement and any related documents necessary to implement this resolution, subject to approval as to form by the City Attorney.

Section 4. This resolution shall be effective upon adoption.

Adopted, this the 3rd day of February, 2025.

Cyril Jefferson, Mayor

ATTEST:

Sandra Keeney, City Clerk

**GUILFORD COUNTY CONTRACT NO. 00061-09/16-181, AMENDMENT NO. 2
CITY OF GREENSBORO & CITY OF HIGH POINT**

STATE OF NORTH CAROLINA
COUNTY OF GUILFORD

**Amendment No 2 to Guilford County Contract No. 00061-09/16-181
for a Shared Community Notification System**

THIS AGREEMENT is hereby made and entered into this 3rd day of November, 2024, by and between **GUILFORD COUNTY**, on behalf of its Emergency Services Department, Division of Emergency Management hereinafter referred to as the “**COUNTY**” and the **CITY OF GREENSBORO**, hereinafter referred to as “**GREENSBORO**,” and the **CITY OF HIGH POINT**, hereinafter referred to as “**HIGH POINT**,” and also collectively referred to as the “**PARTIES**.”

WITNESSETH:

WHEREAS, The PARTIES have collaborated in a joint Community notification system since 2010 to benefit the residents and visitors to Guilford County, and have determined that there are mutual interests and advantages for the PARTIES to maintain this relationship; and,

WHEREAS, the PARTIES desire to reaffirm their commitment to a shared funding Agreement through promulgation of this new Amendment to an existing Interlocal Agreement; and,

WHEREAS, the current agreement is set to expire in November; and,

WHEREAS, the PARTIES mutually desire to assure that an Emergency Notification System remains in a high state of readiness and on current technology platforms; and,

WHEREAS, pursuant to the authority of Chapter 160A, Article 20, Section 461 *et seq.* of the North Carolina General Statutes, the Parties are authorized to enter into this Interlocal Agreement in order to pursue the above stated goals;

NOW, THEREFORE, for the purpose and subject to the terms and conditions hereinafter set forth, it is hereby agreed as follows:

1. The PARTIES agree that the expiration date of the most recent renewal shall be November 2, 2024 (in order to align this Interlocal Agreement’s term with the term of COUNTY’s Agreement with Everbridge, Inc. for a mass notification system subscription).
2. The PARTIES agree to extend the terms of the initial agreement (Contract 00061-09/16-181) for an additional three (3) one (1) year renewals (November 3, 2024 to November 2, 2025, November 3, 2025 to November 2, 2026, and November 3, 2026 to November 2, 2027) unless a PARTY provides written notice of nonrenewal no less than ninety (90) days prior to the start of the fiscal year during which the renewal term would begin.
3. Due to a slight increase in the Everbridge, Inc. subscription expense, the annual “not to exceed” amount for each Party stated in the October 6, 2016 Memorandum of Agreement between the PARTIES is increased from \$40,834.00 to \$40,851.30.

**GUILFORD COUNTY CONTRACT NO. 00061-09/16-181, AMENDMENT NO. 2
CITY OF GREENSBORO & CITY OF HIGH POINT**

IN WITNESS WHEREOF, the COUNTY and CITY hereto have set their hands and seals as of this day and year first above written.

GUILFORD COUNTY

ATTEST:

Erris Dunston	Date
Assistant Guilford County Manager	

Robin Keller	Date
Guilford County Clerk to Board	

(COUNTY SEAL)

Department Director/Designee

(The remainder of this page has been intentionally left blank)

**GUILFORD COUNTY CONTRACT NO. 00061-09/16-181, AMENDMENT NO. 2
CITY OF GREENSBORO & CITY OF HIGH POINT**

City of High Point Signatures

IN WITNESS WHEREOF, the Parties hereto have caused this Memorandum of Agreement to be executed by their duly authorized representatives as of the date first above written.

CITY OF HIGH POINT

Approved By:

City of High Point Manager Date

Printed Name:

This Instrument has been preaudited in the manner required by the local Government Budget & Fiscal Control Act.

City of High Point Financial Services Director

Printed Name:

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**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: Information Technology Services

COUNCIL AGENDA DATE: 2/3/25

BID NO.:

CONTRACT NO.: 00061-09/16-181

DATE OPENED:

DESCRIPTION:

Resolution – Second Amendment to Everbridge Emergency Notification System Interlocal Agreement.

PURPOSE:

To approve the Second Amendment to extend the interlocal agreement for three years and continue the partnership with Everbridge via Guilford County.

COMMENTS:

Since 2016, Contract No. 00061-09/16-181 has enabled our regional emergency notification partnership with Guilford County and Greensboro. The system delivers critical emergency and weather alerts through multiple communication channels across jurisdictional boundaries.

RECOMMEND AWARD TO:

Guilford County

AMOUNT:

\$122,553.91

JUSTIFICATION:

The amendment ensures continued access to critical emergency notification services provided by Everbridge.

Total Budgeted Amount: \$40,851.30 annually(an increase of \$17.30 from the previous annual cost of \$40,834) for 3 years = \$122,553.91

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
101241	527216			\$40,851.30 (FY24-25)
101241	527216			\$40,851.30 (FY25-26)
101241	527216			\$40,851.30 (FY26-27)
TOTAL BUDGETED AMOUNT				\$122,553.91

DEPARTMENT HEAD:

Adam Ward

Digitally signed by Adam Ward
Date: 2025.01.26 11:02:42 -05'00'

DATE:

1/26/25

The Purchasing Division concurs with recommendation submitted by the [redacted] and recommends award to the lowest responsible, responsive bidder [redacted] in the amount of \$ [redacted].

PURCHASING MANAGER:

DATE:

Approved for Submission to Council

FINANCIAL SERVICES DIRECTOR:

DATE:

CITY MANAGER:

DATE:

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Sole Source Contract Renewal with Accruent

FROM:

Robby Stone, Public Services Director,
Derrick Boone, Assistant Public Services
Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Quote
 2. Sole Source Justification Form
-

PURPOSE: To renew the annual contract with Accruent, sole source vendor, for the the computerized maintenance management system (CMMS).

BACKGROUND: CMMS is software that centralizes maintenance information and facilitates the processes of maintenance operations. It helps optimize the utilization and availability of physical equipment like vehicles, machinery, communication, plant infrastructure and other assets. The Water and Sewer Plant Maintenance Division utilizes Accruent CMMS software for tracking the operation, maintenance, and replacement of equipment at the water and wastewater facilities. This is a one-year contract renewal.

BUDGET IMPACT: Funds for this project are available in the FY 2024-2025 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a contract renewal with Accruent, a sole source vendor, in the amount of \$68,308.28 for the annual renewal of the CMS software and authorize the appropriate City Official(s) to execute all necessary documents.

Client Information

Client Name:	City of High Point	Client Contact Name:	Rick Riley
Bill To:	Casey Miller PO Box 230 High Point, NC 27261 United States	Client Contact Email:	rick.riley@highpointnc.gov
Ship To:	Kim Hilton 121 N Pendleton St High Point, NC 27260 United States	Client Contact Phone:	+1 03368838588
Billing Email:	casey.miller@highpointnc.gov	Account Number:	A-00130059

Quote Information

Quote #:	Q-296384-1	Quote Expiration:	2/18/2025
Invoice Frequency:	Annual	PO Number:	

Product Information and Fees

Product	Quantity	Period 2/19/2025 - 2/18/2026	Total Fees
MC Annual Technical Support - Renewal	21 Concurrent License(s)	30,417.64	USD 30,417.64
MC Annual Technical Support - Renewal	19 Concurrent License(s)	8,556.02	USD 8,556.02
MC Secure Datacenter Hosting Cloud Subscription	20 License(s)	29,334.62	USD 29,334.62
Total		USD 68,308.28	USD 68,308.28

Additional Terms

- 1 If the invoice period reflects a term of less than 12 months, the recurring fees are prorated and will renew as permitted under the Agreement at the annualized rate.
- 2 The pricing and offer in this Order Document are provided in return for an executed Order Document received by Accruent by the Quote Expiration date listed above.
- 3 Unless Client has a separate negotiated master services agreement or other binding agreement in place with Accruent, by signing below, Client agrees that this Order Document is subject to the end user license agreement set forth at: https://www.accruent.com/end_user_license_agreement

Acknowledged and Agreed by the Duly Authorized Representatives of the Parties

Client: City of High Point	Accruent, LLC
Signature:	Signature:
Print Name:	Print Name:
Title:	Title:
Date:	Date:
Accruent requires a PO, send PO to your Accruent representative or customerpo@accruent.com. To avoid invoicing issues or a potential disruption in your services, please include the Quote # above in your PO.	
If you are tax exempt, provide exemption certification to your Accruent representative or salestax@accruent.com.	

SOLE SOURCE JUSTIFICATION FORM

(For Items Costing **\$10,000.00 or More**)

Statutory Reference N.C.G.S. 143-129(e)6

Requisition #

Vendor:

Item(s):

Justification:

The Water and Sewer Plant Maintenance Division utilizes Accruent CMMS software for tracking the operation, maintenance, and replacement of equipment at the water and wastewater facilities.

Estimated expenditure for the above item(s):

Accounting Unit and Account(s):

CHECK ALL ENTRIES BELOW THAT APPLY TO THE PROPOSED PURCHASE.
ATTACH A MEMO CONTAINING JUSTIFICATION AND SUPPORT
DOCUMENTATION.

1. ☒ Performance or price competition for a product are not available.
2. ☒ A needed product is available from only one source of supply.
3. ☒ Standardization or compatibility is the overriding consideration.
4. ☐ The parts/equipment are required from this source to permit standardization.
5. ☐ None of the above applies. A detailed explanation and justification for this sole source request is contained in attached memo and support documentation.

The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the material or service described in this sole source justification be authorized as a sole source for the material or service.

Department Head/Authorized Personnel Digitally signed by Robby Stone
Date: 2025.01.21 15:16:44 -05'00'

Department/Division Date

APPROVAL PROCESS

Purchasing Manager

Financial Services Director

City Council (\$30,000 – Up)

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of Final Adjusting Change Order #3 to Triangle Grading & Paving, Inc.

FROM:

Robby Stone, Public Services Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

May 4, 2023 Purchasing

ATTACHMENTS:

1. Final Adjusting Change Order #3
 2. Roadway Aerial Design Overlay
-

PURPOSE: The Public Services Department seeks approval of the Final Adjusting Change Order #3 in the amount of \$376,488.09 associated with the Kersey Valley Road Realignment project.

BACKGROUND: This project involved re-alignment of Kersey Valley Road to allow for future expansion of the City's Kersey Valley Landfill. The new roadway is approximately 0.75 miles in length. It will be conveyed to the North Carolina Department of Transportation upon final completion, acceptance, and Engineering certifications.

Construction of the new roadway started in September 2023 and was completed in November 2024. Change Orders 1 and 2 were approved by City Staff to address tire disposal, slope changes, special measures for storm pipe crossing at an underground electric duct bank, additional tree removal, and a drain installation. The combined cost for Change Orders 1 and 2 was \$67,155.06

The new roadway was constructed on an unregulated landfill and special construction/design measures were required. This Final Adjusting Change Order #3 will encompass several over-runs of these additional measures and addresses a sight distance problem at the intersection of Kersey Valley Road with Jackson Lake Road which required additional grading. Over-runs within this contract are directly related to the special design measures which included ABC Stone, Soil Geogrid stabilization fabric, Asphalt, and Sight Distance.

BUDGET IMPACT: Funds for this project are available in the FY 2024-2025 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a Final Adjusting Change Order #3 to Triangle Grading & Paving, Inc. in the amount of \$376,488.09 for additional costs associated with the Kersey Valley Road Realignment project and authorize the appropriate City Official(s) to execute all necessary documents. The new and final contract total will be \$5,312,944.54.

Date of Issuance: 1/16/25	Effective Date: 1/16/25
Owner: City of High Point	Owner's Contract No.: 42-060623
Contractor: Triangle Grading & Paving, Inc.	Contractor's Project No.: n/a
Engineer: Ted Kallam, PE	Engineer's Project No.: 23-0295
Project: Kersey Valley Road Realignment	Contract Name: Kersey Valley Road Realignment Project

The Contract is modified as follows upon execution of this Change Order:

Description: This Change order encompasses additional items per SA's: Grading for Sight Distance Triangle Improvements at Intersection of Realigned Kersey Valley Road and Jackson Lake Road; Installation of Signs; overage from August, September, and October Pay Applications.

The City has agreed to the supplemental agreement amount to the total of **\$376,488.09**, with a final time of completion extension to **11/18/24**, as denoted below.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$ 4,869,301.40	Original Contract Times: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Increase from previously approved Change Orders No. 1 and 2. \$67,155.06	[Increase] [Decrease] from previously approved Change Orders No. ____ to No. ____: Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ 4,936,456.45	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Increase of this Change Order: \$ 376,488.09	[Increase] [Decrease] of this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ 5,312,944.54	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for Final Payment: 1/16/2025 days or dates

RECOMMENDED:		ACCEPTED:		ACCEPTED:	
By: Ted Kallam, PE	By: Robby Stone (High Point)	By: Gray Kirkpatrick (TG&P)			
Engineer: <u>Ted Kallam</u>	Owner: _____	Contractor: _____			
Title: Senior Project Manager	Title: Public Services Director	Title: Contractor			
Date: 1/16/25	Date: _____	Date: _____			

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

scale (1"=200')



CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Sole Source Contract with PREDL, Inc.

FROM:

Robby Stone, Public Services Director,
Derrick Boone, Assistant Public Services
Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Quote
 2. Woodbrook Drive Map
 3. Sole Source Letter
 4. Sole Source Justification Form
 5. Flexliner Example Photo
-

PURPOSE: To contract with PREDL Inc. to perform the rehabilitation of two sanitary sewer manholes with the sole source Flexliner product in the 300 block of Woodbrook Drive.

BACKGROUND: The Public Services Department has identified two manholes in the 300 block of Woodbrook Drive that are in poor condition and are located adjacent to a stone retaining wall and stream. The Public Services Department intends to utilize PREDL Inc. to rehabilitate the two manholes with the Flexliner product. The trenchless manhole rehabilitation will prevent extensive construction and sewer bypass work and will have minimal impact to the surrounding area. PREDL Inc. is the sole manufacturer and provider of the Flexliner product

BUDGET IMPACT: Funds for this project are available in the FY 2024-2025 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a sole source contract with PREDL Inc. in the amount of \$46,095.29 for sanitary sewer manhole rehabilitation and authorize the appropriate City Official(s) to execute all necessary documents.



PREDL Inc.
161 Don Westbrook Ave S
Jasper, GA 30143
+1 706 3449 366 / sales@predl.us
www.predl.us

Order Acknowledgement

12/16/2024

Sold to: City of High Point

Ship to:

Contact person: John Schuler

Job #: 4333

Project name: Woodbrook Drive Rehabs (Quote)

Contractor:

The following is the requested quote for the above referenced project. Please thoroughly check the product type and/or build configuration information and prices for accuracy, make any changes necessary, approve, sign or initial the Order Acknowledgement. Please return via email your approval or changes so we may proceed with scheduling this project for production. Shipping is NOT included and will be assessed based upon pricing at time of shipping.

Manhole # 1

Diameter: 47" Wall: 8"

Approval

Miscellaneous

Stainless Steel Sleeves 8" x 3 \$1036.8

Cotton Strip for neck \$142

Cone \$1,566

Scan \$583

Design \$550

Flexliner \$1964.25

Riser \$216

Grout \$55/bag-25kg bags - Amt and cost to be determined after installation

Inside Drop (OPTIONAL) \$580

Installation (\$12,000-\$15,000)

Subtotal:

21,638.05



PREDL Inc.
161 Don Westbrook Ave S
Jasper, GA 30143
+1 706 3449 366 / sales@predl.us
www.predl.us

Order Acknowledgement

12/16/2024

Sold to: City of High Point
Ship to:

Contact person: John Schuler
Project name: Woodbrook Drive Rehabs (Quote)
Contractor:

Job #: 4333

The following is the requested quote for the above referenced project. Please thoroughly check the product type and/or build configuration information and prices for accuracy, make any changes necessary, approve, sign or initial the Order Acknowledgement. Please return via email your approval or changes so we may proceed with scheduling this project for production. Shipping is NOT included and will be assessed based upon pricing at time of shipping.

Manhole # 2

Diameter: 40" Wall: 8"

Approval

Miscellaneous

Riser \$203.04
Stainless Steel Sleeves 8" x 2, 12" x 1 \$1085.40
Scan \$583
Grout \$55/bag-25kg bags - Amt and cost to be determined after installation
Cotton strip for neck \$54
Adaptor special design from riser to cone \$1600
Cone x 2 \$3130
Design \$550
Flexliner \$2251.8
Installation (\$12,000-\$15,000)

Subtotal: 24,457.24

Total: 46,095.29

AVAILABILITY: TBD pending receipt of approved shop drawings and Purchase Order/Signed Order Acknowledgement.

TERMS: EXW Predl. Jasper, GA. Funds USD. NET 30, .5% per day past 30 days.

WARRANTY: Predl Inc. liability is limited to replacement or repair of defective parts, excluding cost of removal, installation or unauthorized repairs. Predl Inc. will not be responsible for incidental or consequential damages or for products which have been improperly installed or modified. No representative of Predl Inc., or any other person or entity, has the authority to waive, alter or add to this warranty or to assume for Predl Inc. any obligation or liability in connection with the sale or installation or Predl Inc. products. This warranty is in lieu of all other



PREDL Inc.
161 Don Westbrook Ave S
Jasper, GA 30143
+1 706 3449 366 / sales@predl.us
www.predl.us

Order Acknowledgement

12/16/2024

Sold to: City of High Point
Ship to:

Contact person: John Schuler
Project name: Woodbrook Drive Rehabs (Quote)
Contractor:

Job #: 4333

The following is the requested quote for the above referenced project. Please thoroughly check the product type and/or build configuration information and prices for accuracy, make any changes necessary, approve, sign or initial the Order Acknowledgement. Please return via email your approval or changes so we may proceed with scheduling this project for production. Shipping is NOT included and will be assessed based upon pricing at time of shipping.

warranties, expressed or implied. Thank You, we appreciate the opportunity to provide Predl Inc. products!
Signature/Date approving this Order Acknowledgement:



Highpoint NC Woodbrook Drive
(Nearest Address: 301 Woodbrook Dr.)



City of High Point
C/O John Shuler
211 South Hamilton
P.O. Box 230
High Point, NC 27261

01/09/2025

I am writing to inform you that PREDL, Inc. located at 161 Don Westbrook Ave S, Jasper Georgia 30143 is the sole manufacturer and provider of the Flexliner product due to our patented technology. Our patent provides us with the exclusive right to manufacture, use, and sell the Flexliner in the wastewater infrastructure sector.

Our patent, US 10.273.664 B2, covers the unique technology used to produce the Flexliner that provides superior resistance to corrosion, inflow, and infiltration. As a result, no other company is permitted to manufacture, use, or sell a product that incorporates this patented technology.

We take great pride in the quality of our products and the service we provide to our customers. We have invested significant resources in the research and development of the Flexliner, and we are confident that it is the best product available on the market.

We are committed to meeting the needs of our customers and ensuring that they have access to the highest quality products. As such, we will continue to be the sole provider of the Flexliner in the wastewater infrastructure sector.

Thank you for your attention to this matter. Please let us know if you have any questions or require further information.

A handwritten signature in black ink, appearing to read "J Mabrey", with a stylized flourish at the end.

Jennifer Mabrey
Business Operations Manager
PREDL, Inc.
161 Do Westbrook Ave S
Jasper, GA 30143
Ph: 941-356-4677
EM: JMabrey@PREDL.us

FINANCIAL SERVICES
Purchasing Division



SOLE SOURCE JUSTIFICATION FORM

(For Items Costing **\$10,000.00 or More**)
Statutory Reference N.C.G.S. 143-129(e)6

Requisition #

Vendor:

Item(s):

Justification:

PREDL, Inc. is the sole manufacturer and provider of the Flexliner product due to their patented technology. Their patent provides the exclusive right to manufacture, use, and sell the Flexliner in the wastewater infrastructure sector.

Estimated expenditure for the above item(s):

Accounting Unit and Account(s):

CHECK ALL ENTRIES BELOW THAT APPLY TO THE PROPOSED PURCHASE.
ATTACH A MEMO CONTAINING JUSTIFICATION AND SUPPORT
DOCUMENTATION.

1. ☒ Performance or price competition for a product are not available.
2. ☒ A needed product is available from only one source of supply.
3. ☐ Standardization or compatibility is the overriding consideration.
4. ☐ The parts/equipment are required from this source to permit standardization.
5. ☐ None of the above applies. A detailed explanation and justification for this sole source request is contained in attached memo and support documentation.

The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the material or service described in this sole source justification be authorized as a sole source for the material or service.

Department Head/Authorized Personnel Digitally signed by Robby Stone
Date: 2025.01.21 15:06:25 -05'00'

Department/Division Date

APPROVAL PROCESS

Purchasing Manager Digitally signed by Candy E. Harmon
Date: 2025.01.21 16:32:32 -05'00'

Financial Services Director Digitally signed by Bobby Fitzjohn
Date: 2025.01.21 16:40:12 -05'00'

City Council (\$30,000 – Up)

City of High Point | P.O. BOX 230, High Point, NC 27261 | 336.883.3219





CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Contract with Schnabel Engineering South, PC

FROM:

Robby Stone, Public Services Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Capital Project Ordinance Amendment
 2. Proposal
 3. Arnold Koonce City Lake Dam picture
-

PURPOSE: To contract with Schnabel Engineering South, PC to perform the design services to support the replacement of Arnold Koonce City Lake Dam to meet North Carolina Department of Environmental Quality (NC DEQ) Dam Safety requirements and to address water supply infrastructure improvements.

BACKGROUND: Arnold Koonce City Lake Dam is nearly 100 years old and was constructed well before modern dam safety standards were developed. As such, the dam does not meet NC DEQ Dam Safety requirements for stability or spillway capacity, and it has several other dam safety-related deficiencies. Schnabel Engineering South, PC has completed a Probable Maximum Precipitation study (2021) and an Alternative Analysis Report, Second Revision (2022). The investigations performed previously by Schnabel were tailored to provide information to support analyses of the existing dam and analysis of non-replacement alternatives.

The proposed scope of work for this phase of the project is required to provide the final design documents for the replacement of City Lake Dam, as well as provide permitting and bidding support to the City. In general, the design services will include hydrology & hydraulics design, geotechnical & geologic design, structural & mechanical design, site civil design and control of water concept, cost opinion and construction schedule estimate, bedrock constituent testing, intake tower design, reservoir aeration system design, erosion and sediment control plan, various permitting, pre-qualification and bidding, and additional tasks as deemed necessary upon regulatory reviews.

BUDGET IMPACT: Revenue bonds associated with this ordinance are estimated to be

issued in 2027 in accordance with our financing plan. Debt service payments will be paid from water and sewer revenues.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a contract with Schnabel Engineering South, PC in the amount of \$3,735,000 for design services to support the replacement of Arnold Koonce City Lake Dam, adopt a capital project ordinance amendment, and authorize the appropriate City Official(s) to execute all necessary documents.

“AN CAPITAL PROJECT ORDINANCE AMENDMENT
OF THE CITY OF HIGH POINT, NORTH CAROLINA FOR THE
DESIGN SERVICES FOR THE CITY LAKE DAM UPGRADE PROJECT

Be it ordained by the City Council of the City of High Point, North Carolina, that,
pursuant to Section 13.2 of Chapter 159 of the General Statutes of North Carolina, the
following Capital Project Ordinance is hereby adopted:

- Section 1. This project is for the engineering/design services for the City Lake Dam Restoration project, which will repair and restore the 100-year-old dam at High Point City Lake. The Project will be paid by proceeds from water and sewer revenue bonds.
- Section 2. The following revenue is available to the City of High Point:
- | | |
|-----------------------|-------------|
| Revenue Bond Proceeds | \$3,735,000 |
|-----------------------|-------------|
- Section 3. The following amounts are appropriated for the Project:
- | | |
|-----------------------------|-------------|
| Engineering/Design Services | \$3,735,000 |
|-----------------------------|-------------|
- Section 4. The Financial Services Director is hereby directed to maintain a Capital Project with sufficient detail accounting records to allow compliance with G.S. 159-28 Budgetary accounting for appropriations
- Section 5. Copies of this capital project ordinance shall be made available to the City Manager and the Financial Services Director for direction in carrying out this project."

Adopted by High Point City Council, this the 3rd day of February 2025

Cyril Jefferson, Mayor

ATTEST

Sandra Keeney, City Clerk

January 16, 2025

Mr. Derrick Boone
Assistant Public Services Director
City of High Point
211 South Hamilton, Room 206
High Point, NC 27260

**Subject: Proposal for City Lake Dam Replacement Design Phase Services (REV2),
High Point, North Carolina (Schnabel Reference 17C21020.03P)**

Dear Mr. Boone:

SCHNABEL ENGINEERING SOUTH, P.C. (Schnabel) is pleased to submit this proposal for design phase services for a replacement City Lake Dam. This proposal was prepared based on our discussions with the City during our video conference on August 30, 2024. This proposal was revised based on City comments (received on November 25, 2024) on our original proposal dated November 22, 2024, a teleconference between the City and Schnabel on December 6, 2024, and a telephone call on January 14, 2025.

PROJECT DESCRIPTION AND BACKGROUND

City Lake Dam is owned and operated by the City of High Point, North Carolina (City). The dam was constructed in the 1920s. The dam impounds High Point City Lake, which is used for water supply and also provides recreational amenities to the surrounding community. The dam is located along the Deep River immediately west of Knollwood Drive and just north of West Main Street within High Point City Lake Park in Jamestown, North Carolina. The dam and reservoir are the centerpiece of the park, a major recreational facility for the surrounding community. The latitude and longitude of the approximate midpoint of the dam are 35° 59.7' N and 79° 56.7' W, respectively. The dam and its appurtenant facilities consist of a cyclopean concrete gravity dam with an intake tower and gatehouse, an ungated concrete spillway, a service bridge over the spillway, a grouted stone-masonry and concrete-paved apron, and an earthfill embankment with a concrete core wall at the right end of the concrete dam section.

City Lake Dam is about 100 years old and was constructed well before modern dam safety standards were developed. As such, the dam does not meet NC DEQ Dam Safety requirements for stability or spillway capacity, and it has several other dam safety-related deficiencies. The City contracted with Schnabel in May 2017 to perform a feasibility level evaluation to assess options to rehabilitate or replace the City Lake Dam to meet current dam safety criteria. Several supporting tasks were performed to better define the limitations of the existing dam with respect to current dam safety criteria and support the development of rehabilitation alternatives, including a detailed topographic survey of the site, a subsurface investigation of the spillway and right embankment, hydrology and hydraulic analyses, and dam stability analyses.

Three alternatives, including two rehabilitation options and one replacement option, were presented in our Alternative Analysis Report, Second Revision dated March 29, 2022. The rehabilitation alternatives include modifying the existing spillway crest using either Obermeyer crest gates (Alternative 1) or a piano key (PK) weir (Alternative 2). Both rehabilitation alternatives also include post-tensioned anchoring of the existing concrete gravity dam to address stability concerns, removal of the downstream apron and replacement with a more suitable stilling basin, removal and replacement of the downstream training walls, and an option to reduce the required width of the new spillway by raising the right embankment and abutments by 1.5 feet. The replacement alternative (Alternative 3) is a roller compacted concrete (RCC) dam topped with a PK weir constructed downstream of the existing dam. The City has indicated that they prefer Alternative 3 and would like to advance that alternative through final design.

In August 2023, the City contracted with Schnabel to perform the following additional investigations to support the replacement dam design:

- Geophysical investigation to attempt to identify location of existing raw water pipelines downstream of the dam and reinforcing steel within the above-water portions of the existing intake tower.
- Topographic survey of the left abutment and recently acquired properties on Knollwood Drive and bathymetric survey of the lake bottom and a portion of the spillway outlet channel.
- Geotechnical investigation of the replacement dam foundation and left abutment.
- Dive inspection of the intake tower exterior and video inspection of the low-level outlet conduit and a portion of the raw water pipelines.

The results of these investigations are presented in our Intake Tower Investigation Report dated April 4, 2024, and our Geotechnical Data Report dated June 7, 2024. Based on subsequent discussions with the City, we understand that a new replacement intake, incorporated into the proposed replacement dam, is preferred over rehabilitation and continued use of the existing intake tower.

OBJECTIVE AND SCOPE OF SERVICES

General

The objective of our proposed services described herein is to prepare the final design documents for the replacement City Lake Dam, as well as provide permitting and bidding support to the City. The replacement dam will be Alternative 3 as described above and will be designed to meet current NCDEQ Dam Safety requirements. The design will incorporate a new intake structure. These services will be performed under the supervision of a Professional Engineer(s) licensed in the state of North Carolina. Details of the proposed scope of services are provided in the following sections.

Task 1 – Preliminary Design

The Preliminary Design phase will include iterative, collaborative development of the items listed below to advance the Project design from the current concept to a schematic design, defining the general size and shape of the structure, preliminary construction sequencing, and raw water infrastructure layout.

Hydrology and Hydraulics Design

This task includes optimization and progression of the Alternative 3 concept (RCC dam topped with a PK weir constructed downstream of the existing dam). First, we will review the hydrology previously developed and update it to reflect any changes in the watershed that may have occurred since that time. We will also evaluate and develop a preliminary design for the energy dissipation structure. As part of the development and analysis of the proposed spillway, we will develop a 3-dimensional computational fluid dynamics (CFD) model. The proposed spillway layout contains features that include the upstream approach potentially impacted by the shoreline and the proposed intake tower, the PK weir, converging downstream channel and training walls, and high tailwater that all add hydraulic complexity to the spillway system. CFD modeling will be performed to verify spillway and energy dissipation design performance and confirm the adequacy of the rating curve for various discharge coefficients. We have budgeted for analyzing up to two alternate PK weir configurations. We anticipate using sections to evaluate the initial design energy dissipation system and to evaluate the spillway rating curve.

Schnabel plans to utilize the CFD software package, FLOW-3D, to model the complete proposed spillway along with the partially-demolished existing dam. Flow-3D can be used to estimate flow depths, flow fields, local velocities and pressures, hydraulic forces, and energy dissipation in three dimensions, which is particularly appropriate for modeling the complex spillway proposed for City Lake Dam. The results from a CFD model can provide valuable insight and critical design information into the hydraulics of this spillway that may reduce unnecessary design conservatism. The information from the CFD analysis will be incorporated into the final design report.

Our Alternatives Analysis Report presented an option for an approximately 730-foot long parapet wall crest raise on the embankment and abutment located to the right of the new dam to mitigate potential overtopping during the spillway design flood. If the crest is not raised, the replacement spillway footprint will need to be roughly 40 to 50 feet wider to provide sufficient spillway capacity to pass the required design storm without overtopping the dam and right abutment. Based on subsequent conversations with the City, we understand that the City does not want to include a parapet wall or similar crest raise in the new dam design due to concerns over its location within the City Lake Park. Therefore, our proposed scope does not include design of any crest raise feature, and we will design the wider spillway footprint option. If the wider spillway footprint is found to significantly complicate siting and permitting, we will revisit the parapet wall option with the City.

Geotechnical/Geologic Design

Our proposed geotechnical/geologic evaluations for the replacement dam concept include foundation and abutment subsurface data interpretation and characterization, development of a top of rock surface and RCC foundation subgrade, dam foundation seepage analysis and preliminary drain and grout curtain layout, and development of shear strength parameters to be used in the RCC dam stability analysis. We will also perform a seismic hazard analysis to develop ground motion parameters for use in the structural

and geotechnical stability analyses using the USGS National Seismic Hazard Mapping Program (NSHMP).

Structural and Mechanical Design

We will refine the global stability analyses completed during the alternatives phase with new geotechnical data obtained during the previous project phase. These analyses are necessary to optimize the RCC dam and PK weir geometry to meet NCDEQ Dam Safety criteria for overturning and sliding stability. Global stability will be evaluated through 2D sectional analysis using proprietary spreadsheets. We will also develop a concept for the structural connections between the PK weir and the RCC and for the new concrete training walls. We will also extend our 2D stability model for the existing dam to include the deep concrete extension to sound bedrock that was required during the original construction (with a similar foundation expected for the proposed replacement dam). This extended model will be used to establish safe operating reservoir levels for the existing dam as its foundation is exposed during excavation for the new dam.

The location for the replacement intake tower will likely be immediately downstream of the existing dam and intake tower and integrated into the left side of the PK weir. During this task, we will develop a preliminary design for the intake tower by performing global stability and foundation analyses at the proposed location. The position and configuration of the structure will be evaluated for impacts of sediment and debris accumulation to address issues the current structure has experienced. We will also collaborate with the City to develop a process flow schematic, intake design criteria, and a preliminary layout that meets the City's water supply operation and maintenance goals. New tee screens will be evaluated for their ability to meet screen intake velocity criteria, mesh sizes, and capacity of the City's raw water system demands.

Site Civil Design and Control of Water Concept

We will develop preliminary design drawings, including plans, profiles, and cross sections. We will utilize the 2017 and 2023 topographic surveys as the baseline existing conditions for development of these drawings. The design drawings will be prepared using AutoCAD Civil 3D.

We will also update the stream diversion concept for passing storm flows through the construction area that was presented in our Alternatives Analysis Report and will develop a sequence of construction based on the stream diversion concept. Our concept will provide conceptual decommissioning of the existing dam. We assume that the existing dam will be maintained during construction to serve as a cofferdam. We also assume that the reservoir can be lowered during portions of construction to facilitate construction of the replacement dam and decommissioning of the existing dam, with the intent of lowering the reservoir as little as possible.

Cost Opinion and Construction Schedule Estimate

We will develop an engineer's opinion of probable construction cost (EOPCC) for the dam replacement project based on takeoff quantities derived from the preliminary design. The cost opinion will utilize recent bid prices for similar projects in the region, commercially available construction cost data, and an appropriate level of contingency, likely 20% to 30%, to account for the level of project definition.

We will also develop an estimated construction schedule for the dam replacement project. We will meet with an environmental consultant to discuss USACE and NCDEQ permitting requirements and expected timeframes for such required permits. We will solicit the City's input, as well as that of NCDEQ Dam Safety, when formulating the schedules.

Bedrock Constituent Testing

Schnabel will subcontract a testing laboratory to perform constituent testing on several bedrock samples obtained during the 2023 geotechnical investigation. The testing is intended to be preliminary screening for potential hazardous materials from a worker safety perspective during rock excavation activities.

Deliverables and Meetings

We will prepare a brief preliminary design letter describing the replacement dam concept, summarizing the analyses completed to date, and presenting the control of water concept. The letter will also include the preliminary design drawings, EOPCC, and construction schedule estimate. Discussions on key design, permitting, and construction considerations, as well as detailed calculations, will be provided later in the 90% Design Report described below under Task 2. Review comments provided by the City will be addressed and incorporated into the appropriate final design deliverables. The documents will be provided to the City in PDF format.

We have budgeted for six (6) monthly virtual progress meetings with the City for the duration of this task and for one (1) virtual meeting with NCDEQ Dam Safety to discuss the dam replacement concept at the conclusion of this task.

Task 2 – Final Design

General

This task includes advancing the preliminary schematic design by developing design details, technical specifications, and construction documents for the replacement dam. This task will be divided into three subtasks/milestones: 50% design, 90% (detailed) design, and 100% (bid-ready) design. Each milestone will include detailed analysis and design tasks similar to those outlined for Task 1 – Preliminary Design, including hydrology and hydraulic (including control of water and stream diversion), geologic/geotechnical, site civil, structural, and mechanical analyses and design. We will also contract with an outside consultant to perform an independent constructability review of the design, as well as a review of the EOPCC.

Intake Tower

In addition to the scope described above, the final design task will include detailed design development of the replacement intake tower and appurtenances. The objective for the intake tower design will be to develop a reliable system that is easy to maintain and provides the range of functionality necessary for successful operation of the reservoir and for providing raw water to the City. A wet well will be provided within the intake structure. Isolation gates, located inside the concrete wet well structure, will provide emergency shutdown and isolation of the wet well and pipeline for maintenance and inspections. Schnabel will design supports for the tee screen(s), which will be mounted in locations that allow operation at multiple elevations to address water quality variations in the reservoir and at low water levels. The screen configuration will attempt to reduce potential impacts from floating debris during flood events. The tee screen associated penetrations and any other openings in the structure will be sealed to prevent fish from entering the wet well and raw water system. An airburst system will be installed for the tee screens to prevent debris build up.

Operation of the gates and valves will be from an enclosed operating floor located above the wet well. Remote operations via incorporation with the City's existing SCADA system will also be included in the final design. The new intake tower will be connected to the existing raw water pipelines on the stream banks immediately downstream of the replacement dam with new pipelines incorporated into the replacement project. The connections will be clearly defined and detailed in the final design, will be coordinated with the location of the new downstream dam and spillway, and will include provisions for future additional connections or upgrades of the raw water pipelines. Anticipated connection locations are generally within 50 feet of the limits of the new dam. Access to the structure will be provided by a bridge from the left abutment. We have assumed a single-span pedestrian bridge will be required. Due to the proprietary nature of these structures, we have assumed the bridge will be performance specified and bridge design responsibilities will be delegated to the construction contractor. We will provide a design for the bridge abutments. The existing dam may be modified to help manage sediment accumulation and debris based on evaluations from the preliminary design. The new intake tower structure will also incorporate a new reservoir drain system.

Limited Reservoir Aeration System Design

In addition to the scope described above, we will provide limited preliminary design for replacement of the current reservoir aeration system. Based on our discussions with the designer of the current system, General Environmental Systems, Inc. (GES), the preferred delivery method is to delegate the final design to the construction contractor, who would subcontract the aeration system designer. The aeration system designer would then develop details regarding piping layout, materials, and compressors.

As part of this proposal, Schnabel will provide a design for a new compressor building, located on City-owned property. The building design will include new electrical service and wall openings for ventilation. We will consult with GES regarding dimensions, ventilation positions and sizes, and overall building design requirements and will incorporate their input into the building design. We will develop aeration system performance requirements in consultation with GES and the City. Note that detailed design of the aeration system components (air supply equipment, connections, and in-lake piping / devices) is not included in Schnabel's scope of services. We understand the City will utilize an allowance item in the construction bid schedule to allow flexibility in the procurement method for the aeration design specialist. We understand that there is a significant body of publicly-available lake water quality data, collected and logged with a sampler attached to the existing intake tower by NC State University. We understand no additional water quality investigations or studies are necessary to design the replacement system. Note that any rezoning or special use permitting required must be completed by the City.

Deliverables and Meetings

We will provide a brief 50% design summary letter that updates the preliminary design letter and will include a summary of advancements since the preliminary design phase. Updated (50%) design drawings, an updated EOPCC, and a construction schedule estimate will be included as attachments to the letter.

The final design deliverables submitted at the 90% design milestone will include a design report presenting the basis of the design and results of engineering analyses, 90% design drawings, technical specifications, and updated EOPCC and construction schedule estimate.

All deliverables will be provided in electronic (PDF) format.

We have budgeted for 18 monthly virtual progress meetings with the City for the duration of this task. In addition, at each milestone, we will hold a design review workshop with City representatives to obtain feedback. A meeting with NCDEQ Dam Safety will be held at the 90% design milestone. The 90% design deliverables will be submitted to NCDEQ Dam Safety and other regulatory agencies for review and approval, and we will incorporate regulatory review comments in the 100% design package which can then be issued for bid (IFB).

Erosion and Sediment Control Plan and Narrative

Construction of the new dam will disturb more than 1 acre, and thus a NCDEQ erosion and sediment control permit will be required. Schnabel will prepare the erosion and sediment control plan and narrative meeting NCDEQ requirements. The erosion and sediment control plan and narrative will be submitted to NCDEQ for review and approval, and we will address review comments received. Schnabel will pay

NCDEQ erosion and sediment control permit fees for a disturbed area of up to 10 acres (fee of \$1,000). NCDEQ will require the City formally designate Schnabel as a Delegated Responsible Official (DRO) to allow us to submit the application and fees on the City's behalf.

NCDEQ Dam Safety Permit

The proposed rehabilitation design will require approval from NCDEQ Dam Safety. We will submit the 90% design deliverables to NCDEQ Dam Safety for review and approval. We will host a virtual meeting with them to review the submittal. We will address review comments from NCDEQ Dam Safety and update the design deliverables based on comments received.

Schnabel will pay the NCDEQ Dam Safety approval review fee of \$25,000 on behalf of the City. An additional \$25,000 is required after completion of construction to complete the NCDEQ Dam Safety permit fees (total fee = \$50,000). Only the initial \$25,000 fee is included in this scope of services. The final \$25,000 fee is not due to NCDEQ until construction is complete; Schnabel could potentially pay this fee on behalf of the City as part of our construction phase services (future proposal).

CLOMR

Since the dam is located within a FEMA-regulated floodplain, a floodplain analysis and either a No-Rise permit or a Conditional Letter of Map Revision (CLOMR) are required. Our proposed scope and fees are based on developing a CLOMR. The CLOMR would be prepared after completion of the 50% Design Phase. A Letter of Map Revision (LOMR) is excluded from our proposed scope of services as it will need to be prepared as part of construction close-out after the record drawings are completed, if required. Schnabel will perform the hydraulic analyses required by the North Carolina Floodplain Mapping Program (NCFMP) and FEMA regulations to develop the post-project conditions 100-year flood elevations along the Deep River until the post-project conditions 100-year water surface is within 0.01 feet of the FEMA effective 100-year water surface. Schnabel will delineate the 100-year floodplain and floodway that reflects the post-project conditions at the site for review by NCFMP. Schnabel will also provide a report with the results and documentation of the analysis in a form suitable for review by the local floodplain administrator and for submission to NCFMP. The appropriate MT-2 forms for the CLOMR application will be appended to the report. The Topographic Work Maps and Annotated DFIRMs (Digital Flood Insurance Rate Maps) will be provided in digital form with the appropriate supporting GIS data. The hydraulic models and GIS shapefiles will be provided electronically.

We assume the City will pay for CLOMR application fee. The cost for a CLOMR application is about \$7,000 plus \$60/hr. Note that these application fees are subject to change.

Task 3 – Environmental Permitting

Schnabel, with support from our environmental subconsultant, Mogensen Mitigation, Inc. (MMI), will prepare the permit documentation and applications described below on behalf of the City. These documents will include the required reports, calculations, and forms. The permitting process will be incorporated throughout the final design process, and the permit applications and documents will be submitted to the appropriate regulatory agencies upon completion of 90% Design, or sooner if possible. We anticipate that the work can be performed under an USACE Nationwide permit.

City Lake is designated as a WS-IV-CA water supply reservoir by the NC Division of Water Resources (NCDWR). Deep River below City Lake dam is designated WS-IV for 1.4 miles, and below that it is designated WS-IV-CA downstream to Oakdale Dam and Randleman Lake. In addition to Clean Water Act regulations, the Deep River and tributaries upstream of Randleman Lake, including City Lake, are subject to Randleman Lake Riparian Buffer Protection Rules. Our environmental subconsultant MMI will delineate and provide preliminary mapping of jurisdictional waters (wetlands, streams, open waters) within the proposed construction study area extending 100 feet upstream and 200 feet downstream from the existing spillway end of disturbance, and adjacent construction staging areas using GPS. KML and/or shapefiles of the delineated features (potential jurisdictional waters) will be provided.

MMI will prepare either a Preliminary Jurisdictional Determination (PJD) or Delineation Concurrence (DC) Request Form plus supporting data forms and mapping as required for USACE and NCDEQ to evaluate the types and extents of potential jurisdictional waters in the project area. MMI will also prepare a Clean Water Act Section 404-401 Nationwide Permit Pre-Construction Notification (PCN) application using site plans and descriptions of the proposed work and alternatives considered, provided by Schnabel. The PCN describes and quantifies all temporary and permanent impacts to wetlands, streams, open waters, and riparian buffers that will be affected during construction.

The PJD or DC request, the PCN, and other supporting documentation (see paragraph below) will be submitted concurrently to USACE (for Section 404 approval) and DWR (for Section 401 and riparian buffer approval) for the proposed temporary and permanent impacts in waters. MMI will attend one site visit with USACE and/or NCDWR if requested to verify the delineated boundaries and discuss potential impacts, including avoidance and minimization efforts.

The PCN application process also requires consultation with other agencies regarding the potential for impacts to federal endangered and threatened species (regulated by USFWS) and cultural resources (regulated by NC-SHPO). MMI will review available data from agency databases and include discussions of these topics in the PCN package. MMI will respond to agency questions and requests for further information with technical assistance from Schnabel. MMI will pay the NCDWR application review fee up to \$570. We have assumed that the City will pay for all other permit and mitigation fees.

MMI will consult with the City and Schnabel on project planning and design to minimize adverse impacts to Section 404-401 waters and water supply buffers, and to meet USACE and NCDWR permit conditions and to minimize impacts to the environment and the need for compensatory mitigation.

See Additional Tasks below for Individual Permit scenarios.

Task 4 – Pre-Qualification and Bidding

Task 4A – Pre-Qualification

City Lake Dam is a high hazard potential dam, and the construction contract should be awarded to a contractor who possesses adequate experience with similar projects. Therefore, we propose to assist the City with pre-qualifying prospective contractors. The pre-qualification process will be conducted in accordance with NC General Statute GS143-135.8. Our pre-qualification support activities will include the following tasks:

- Prepare a Notice of Pre-Qualification for the project.

- Provide a site tour to interested contractors.
- Prepare a draft Pre-Qualification Assessment Application Questionnaire. This questionnaire will require prospective bidders to demonstrate experience on similar projects and will include a Ratings Matrix.
- Review the draft Questionnaire and Ratings Matrix with the City, as needed, and incorporate comments and suggestions.
- Provide the final Questionnaire and matrix to the City, along with the pre-qualification advertisement for publication by the City.
- Handle and coordinate the distribution of the relevant project documents during the pre-qualification period.
- Review the pre-qualification packages provided by the contractors and score the packages using the ratings matrix.
- Identify the successful pre-qualified contractors based on the scoring protocol.

Task 4B – Bidding Period

Schnabel will assist the City with bidding the project. Since contractors will be pre-qualified, only those contractors meeting the pre-qualification acceptance criteria will be allowed to bid. Schnabel will provide assistance during the bidding process as follows:

- Prepare a bid advertisement for use by the City. Schnabel will coordinate the distribution of the documents during the bidding period. We assume a paperless bid document will be distributed (i.e., all electronic format).
- Prepare addenda in response to prospective bidders and vendors questions. Our budget includes preparation of up to three (3) addenda.
- Participate in a mandatory pre-bid meeting for prospective contractors at the site. This meeting will include a presentation of the project scope and plans, as well as a site walk for discussion of project logistics and layout.
- Attend the bid opening with the City, review the bids, prepare a bid tabulation, and provide a recommendation of award.
- Prepare conformed construction drawings and technical specifications based on addenda issued during the bidding period. We will provide the conformed contract documents in both hard copy and digital PDF format to the City and to the selected contractor.

ADDITIONAL TASKS

Additional tasks will only be performed after receiving authorization from the City and may be required under certain Clean Water Act permitting scenarios.

Additional Task 5 – Clean Water Act Section 401/404 Individual Permit Application

If the permanent impacts of the project exceed 0.5 acre of wetlands or 300 feet of stream then the project will not qualify for a Nationwide Permit (NWP), and will instead require a Section 404-401 Individual Permit (IP). Other conditions in the NWP that cannot be met could also trigger the need for an IP. This is unlikely based on MMI's desktop review and the preliminary plans provided by Schnabel, but is possible. MMI will determine the wetland and stream impact amounts based on the site plans and field delineation, review the applicable NWP conditions, and determine which permit type is required. If the project requires

an Individual Permit, this involves a more rigorous inter-agency review process and thus more time for agency coordination, responses, and compensatory mitigation planning. It might also trigger agency requests for additional field studies.

Additional Task 6A – Follow-Up Field Survey for Small-Whorled Pogonia Orchid

This endangered plant must be surveyed during its blooming season in May to June, if suitable habitat is present. Based on MMI's desktop review, there does not appear to be any suitable habitat within the project's anticipated Limits of Disturbance (LOD), but there might be suitable habitat on forested slopes around the lake, and agencies might recommend a follow-up survey during the appropriate season if suitable forested areas will be affected. MMI will perform this field survey.

Additional Task 6B – Follow-up Field Survey for Schweinitz's Sunflower

This endangered plant must be surveyed during its blooming season in September to October, if suitable habitat is present. Based on MMI's desktop review, there does not appear to be any suitable habitat within the project LOD, but there might be suitable habitat along scrub-dominated forest edges that support goldenrod, bluestem, milkweed, wingstem, sumac, coralberry, and other plants indicative of forest-edge or open woodland natural communities. Agencies might recommend a follow-up survey during the appropriate season if such suitable areas will be affected. MMI will perform this field survey.

Additional Task 7 – Archaeological Field Survey

Based on MMI's desktop review, there is no historical structure designated by the State Historic Preservation Office (SHPO) within the project LOD, but there are several historic structures in the Jamestown Historic District south of the dam. SHPO may recommend additional studies or consultation regarding project impacts to the historic district, and may also recommend an archaeological survey of the site. MMI will subcontract this survey to an archeological specialist.

Additional Task 8 – River Mussel Survey

Based on MMI's desktop review, there is no record of federal or state protected river mussel species in the Deep River between City Lake Dam and the Guilford County / Randolph County line. However, NC Wildlife Resources Commission or US Fish & Wildlife Service may recommend a mussel survey. MMI will subcontract this survey to a specialist.

Additional Task 9 – Coordination for Compensatory Mitigation Credits

If the project requires compensatory mitigation credits, MMI and Schnabel will assist the City with obtaining these credits. Because these fees are not known at this time, we do not propose to pay these fees on the City's behalf. Mitigation credit fees will need to be purchased directly by the City.

Additional Task 10 – NEPA or SEPA Environmental Assessment

If the project will receive federal funding, including federal money routed through DEQ Water infrastructure, USDA, HUD, or other agencies that disburse federal grants, then that agency will determine if a National Environmental Policy Act (NEPA) environmental impact document is required, most likely either an Environmental Assessment (EA) or a Categorical Exclusion (CE).

The NC State Environmental Policy Act (SEPA) comes into play only if there is no federal funding to trigger NEPA, as NEPA takes precedence over SEPA. The thresholds for triggering a SEPA EA are \$10 million of state funding **or** 10 acres of "substantial changes in the natural cover or topography" of public lands. Since the LOD for the City Lake project is already substantially altered by the dam, the second SEPA threshold is not met, which leaves \$10 million of state funding as the remaining potential trigger for a SEPA EA or CE.

If the funding agency determines that the project requires a NEPA or SEPA environmental impact document, MMI will prepare and submit this document and manage the inter-agency review process with input from Schnabel and the City on need, alternatives considered, cost/benefit analysis, and engineering details.

ASSUMPTIONS & CLIENT RESPONSIBILITIES

Our proposal is based on the assumptions stated above. In addition, we assume the following:

- The City will coordinate and provide entry rights to the site so that we can perform the services described herein.
- We have assumed that the City will pay for all permit fees except for those explicitly stated above.
- We assume all meetings with the City and with NCDEQ Dam Safety will be virtual meetings.
- No property boundary issues exist in association with the proposed rehabilitation and construction access. No boundary surveys are proposed.
- Detailed aeration system design will be delegated to the construction contractor or may be incorporated into Schnabel's future construction phase services.

EXCLUSIONS

Services not specifically identified above are not included in the scope of services under this agreement.

The following services are not included in our proposed scope, but can be provided upon request:

- Preparation of an updated Emergency Action Plan (EAP) or inundation mapping for the new dam
- Preparation of funding applications
- Preparation of operation and maintenance (O&M) manuals
- Permit application and mitigation fees except as specifically noted in the scope definition above (also see summary table under Lump Sum Fees below)
- Design of Oak Hollow Dam spillway repairs (a separate proposal will be provided)
- Letter of Map Revision (LOMR)
- Parapet wall layout and design (or other crest raise alternatives)
- Design of raw water pipeline replacement (beyond approximately 50 feet outside of the new dam extents)
- Attendance at additional meetings beyond those described above
- Construction phase services
- Zoning/rezoning permits or Special Use applications (landowner must complete). These permits and applications are anticipated to be necessary for developments on the Knollwood Drive properties recently purchased by the City.
- Reservoir water quality studies (none are anticipated to be necessary).

TENTATIVE SCHEDULE

The following tentative project schedule is based on receiving notice to proceed (NTP) from the City, which is assumed to be March 1, 2025.

Task	Estimated Completion Schedule
Task 1 – Preliminary Design	7 months after NTP
Task 2 – Final Design	18 months after completion of Task 1 (excluding review periods)
Task 3 – Environmental Permitting	To be performed concurrently with Task 2
Task 4 – Pre-Qualification and Bidding	After permit approvals*
Additional Task 5 – Clean Water Act Section 401/404 Individual Permit Application	Schedule to be determined if task is required (agency review is expected to require 120 days)
Additional Task 6A – Follow-Up Field Survey for Small-Whorled Pogonia Orchid	Schedules to be determined if task is required
Additional Task 6B – Follow-up Field Survey for Schweinitz's Sunflower	
Additional Task 7 – Archaeological Field Survey	
Additional Task 8 – River Mussel Survey	
Additional Task 9 – Coordination for Compensatory Mitigation Credits	
Additional Task 10 – NEPA or SEPA Environmental Assessment	Schedule to be determined if task is required (3 years can be expected)

* NCDEQ Dam Safety has indicated recently that they require more review time than in the past. The NCDEQ Dam Safety review period is typically completed within six months, but based on our experience with recent projects, this review and approval period could take up to 12 months.

LUMP SUM FEES

Our lump sum fees to perform the scope defined herein are provided in the following table. These fees were estimated for the specific scope of services detailed herein. The fees for work requested beyond the scope of services included herein will be based on our current unit prices at the time the work is authorized or a negotiated lump sum.

Task	Lump Sum Fees		
	Schnabel	Subcontracts	Task Total
Base Scope			
Task 1 – Preliminary Design	\$928,200.00	\$36,800.00	\$965,000.00
Task 2 – Final Design	\$2,499,700.00	\$94,300.00	\$2,594,000.00
Task 3 – Environmental Permitting	\$12,000.00	\$23,000.00	\$35,000.00
Task 4 – Pre-Qualification and Bidding	\$70,000.00	\$0.00	\$70,000.00
Total Base Fee:	\$3,509,900.00	\$154,100.00	\$3,664,000.00
Additional Tasks			
Additional Task 5 – Individual Permit Application	\$2,722.50	\$3,277.50	\$6,000.00
Additional Task 6A – Field Survey for Small-Whorled Pogonia Orchid	\$1,390.00	\$1,610.00	\$3,000.00
Additional Task 6B –Field Survey for Schweinitz's Sunflower	\$1,390.00	\$1,610.00	\$3,000.00
Additional Task 7 – Archaeological Field Survey	\$1,400.00	\$4,600.00	\$6,000.00
Additional Task 8 – River Mussel Survey	\$1,675.00	\$6,325.00	\$8,000.00
Additional Task 9 – Coordination for Compensatory Mitigation Credits	\$3,000.00	\$0.00	\$3,000.00
Additional Task 10 – NEPA or SEPA Environmental Assessment	\$13,250.00	\$28,750.00	\$42,000.00
Estimated Total Fee (Base Scope + All Additional Tasks)	\$3,534,727.50	\$200,272.50	\$3,735,000.00

City of High Point
Proposal for City Lake Dam Replacement Design (REV2)

At your request, we have compiled the following table summarizing the anticipated permits, their associated fees, and the fees to be paid by Schnabel or our subconsultants on behalf of the City:

Anticipated Required Permits	Anticipated Fee	Fee to be Paid by Schnabel
NCDEQ Dam Safety Approval for Construction – Initial (pre-construction)	\$25,000	\$25,000*
NCDEQ Dam Safety Approval for Construction – Final (post-construction)	\$25,000	\$0 (note this fee could be paid by Schnabel as part of future services)
Guilford County Building Permits (Construction/Demolition, Electrical, Mechanical, etc.)	Unknown	\$0
Cities of Jamestown and High Point Rezoning and Special Use Permits	Unknown	\$0
NCDEQ Division of Water Resources – Erosion and Sedimentation Control (up to 10 acres)	\$1,000	\$1,000*
CLOMR	\$7,000 plus \$60/hr	\$0*
NCDEQ Division of Water Resources – Section 401 and Riparian Buffer Approval	\$570	\$570*
USACE – Section 404 (Nationwide Permit)	\$0	\$0*
Permits below are part of Additional Tasks (if Individual Permitting is necessary)		
Additional Task 5: NCDEQ Division of Water Resources – Section 401 and Riparian Buffer Approval	\$767	\$767*
Additional Task 5: USACE – Section 404 (Individual Permit)	\$100	\$100*
Additional Task 9: Compensatory Mitigation Credits (Stream)	\$740/ft of stream	\$0*
Additional Task 9: Compensatory Mitigation Credits (Wetlands)	\$76,850/acre	\$0*
Additional Task 9: Compensatory Mitigation Credits (Randleman Lake Riparian Buffer)	\$6.20/sq ft	\$0*

Asterisks (*) indicate permits for which consultation and permit application preparations are included in Schnabel's scope of services as part of this proposal.

PAYMENT

Invoices will be submitted monthly and will be based on services performed and expenses incurred since the previous invoice. Payment will be due on receipt of our invoices and will be considered past due 30 days after the invoice date. Interest will be charged at 1.5 percent per month on all overdue accounts. Payments will not be contingent upon receipt of funds from third parties.

GENERAL

The Standard Contract Terms and Conditions included in our Master Agreement for On-Call Professional Engineering Services (Master Agreement) dated April 1, 2023, will apply to the services proposed herein, and we understand the City will provide a Supplemental Service Agreement referencing the Master Agreement and Purchase Order referencing this proposal. This proposal is valid for 90 days from the date shown.

We appreciate the opportunity to submit this proposal and look forward to continuing to work with you on this project. Please contact us if you have any questions regarding this proposal.

Sincerely,

SCHNABEL ENGINEERING SOUTH, P.C.

A handwritten signature in blue ink, appearing to read 'JP', with a long horizontal flourish extending to the left.

Jonathan M. Pittman, PE
Principal

CDS:JFL:JMP/css



CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of Task Order with Davis-Martin-Powell

FROM:

Robby Stone, Public Services Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Scope of Services
 2. Utility Construction Plans
-

PURPOSE: The Public Services Department is requesting that City Council approve a task order with Davis-Martin-Powell (DMP) for Contract Administration (CA) and Resident Project Representative (RPR) for the upcoming North Carolina Department of Transportation (NCDOT) widening of SR 1818 Johnson Street and SR 1850 Sandy Ridge Road. The City has a master agreement for professional services with DMP.

BACKGROUND: The NCDOT has prepared plans to widen SR 1818 Johnson Street and SR 1850 Sandy Ridge Road to multi-lanes from SR 1820 Skeet Club Road to I-40 in High Point (see attached Utility Construction Plans). This project will require substantial water and sewer improvements which will be accomplished in conjunction with this NCDOT project. The Public Services Department requests part-time CA and part-time RPR services from DMP for the anticipated 48-month duration of the project. DMP's services are needed to augment city staff on items such as field inspections, plan revisions, water-sewer testing, and record drawings related to the Water and Sewer improvements. The project is scheduled to open for bid June 2025, and construction could begin as early as late summer 2025.

BUDGET IMPACT: Funds for this project are available in the FY 2024-2025 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a task order with Davis-Martin-Powell in the amount of \$600,200 for professional engineering services to support the widening of SR 1818 Johnson Street and SR 1850 Sandy Ridge Road, and authorize the appropriate City Official(s) to execute all necessary documents.

January 10, 2025

Re: City of High Point, NC
NCDOT Project U-4758
Johnson Street & Sandy Ridge Road
Proposal for Engineering Services
DMP Project 210168.02

Mr. Derrick Boone
City of High Point
Public Services Department
P.O. Box 230
High Point, NC 27261

Dear Mr. Boone:

Davis-Martin-Powell (DMP) is pleased to offer this Proposal for Engineering Services related to the construction of proposed water mains, water and sewer services, and fire hydrant relocations as part of NCDOT Project U-4758. This project involves the widening of Johnson Street/Sandy Ridge Rd. from Skeet Club Rd. to South of I-40 in High Point.

Understanding of the Project

Through our NCDOT Utility Design Engineering Limited Services Contract, DMP designed the Utility Construction plans for the U-4758 project, which includes relocations of existing water, sewer, and state-owned force main facilities that conflict with the proposed roadway and drainage improvements.

As requested, we are providing this Proposal for limited Construction Administration (CA) and Resident Project Representative (RPR) services for proposed water and sewer relocations associated with the project. We understand that the NCDOT will have representatives assigned to the project and City of High Point Public Services Department will have representatives on a limited basis for the project. On a project of this size, construction of water and sewer relocations will be conducted in phases, sometimes with periods of no activity, and at times can be in progress at multiple locations on any given day. In these situations, it has been common for DMP to assist City staff with observation of construction activities on previous projects. DMP has been asked to provide a proposal to cover approximately 20-24 hours of RPR coverage per week on average during the active utility relocations (assuming 70% of the project time). The project is expected to last between 4 to 5 years with utility construction lasting an estimated 4 years.

Proposed water and sewer utility relocations on the project will include:

- Relocation of 16" water main in 14 locations from UC-4 near Skeet Club Rd. to UC-21 near Partridge Rd. totaling approximately 5070 LF in total relocation.
- Relocation of 12" water main in 6 locations totaling approximately 1403 LF.
- Relocation of 8" water main in 4 locations totaling approximately 673 LF.
- Relocation of 8" gravity sewer totaling approximately 895 LF.
- As usual on these projects, this will also entail the additions of valves, adjusting valve stems, adjusting manholes, relocating fire hydrants, relocating water meters and sanitary sewer services, and installation of RPZ's etc.

Scope of Services

Based on our understanding of the project, DMP proposes to provide the following services:

- Attend the Pre-Construction Meeting
- Assist City staff with reviewing water and sewer shop drawing submittals from the Contractor.
- Provide RPR services to observe construction activities, and witness testing of completed water and sewer relocations as necessary to support City staff. DMP will furnish the City with copies of daily field reports and site photos on a weekly basis (during periods of active construction on proposed water and/or sewer relocations).
- Perform other construction related services pertaining to the water and sewer construction, such as attending monthly progress meetings, e-mail and telephone communications with the City, NCDOT, and the Contractor, and coordination with City staff for critical water/sewer tie-ins.
- Prepare any necessary revisions to the Utility Construction Plans.
- Assist City Staff with generating a final punch list and verify completion of the punch list at the end of the project.
- Prepare record drawings of the Utility Construction Plans, based on any observed deviations from the plans and red-line mark-ups provided by the City, NCDOT, and/or the Contractor. DMP RPR will also be keeping active red-line markups of all observed deviations from the plans.
- The NCDOT Resident Engineer will prepare the Engineer's Certification statements associated with the water and sewer permits issued by NCDEQ, and DMP will coordinate with NCDOT staff to confirm this is completed and obtain copies of the certifications for the City's records.

Compensation

DMP will perform the services described herein, based on our Understanding of the Project and the Scope of Services presented above. The actual time that our staff will need to spend on the project will depend on the Contractor's plan for constructing the proposed water and sewer relocations.

For the purpose of estimating our fee limit for this Proposal, for RPR site visits we have assumed an average intensity of 4 hours per day, 4 days per week, for 209 weeks (48 months). Beginning July 2025 and lasting until estimated project completion July 2030.

DMP proposes to perform the above-described services on an hourly basis in accordance with the attached Standard Rate Schedule, with an estimated cost of **\$600,200.00** and will not exceed this cost unless approved by City staff. Please see our Fee Estimate Worksheet on the following page for details.

These services will be provided as a Task Order under DMP's Master Agreement for Professional Services dated April 1, 2023.

Fee Estimate Worksheet

See attached worksheet

Additional Services

If the duration of the project carries on longer than expected, or if more intensive RPR services are needed, the estimated fee can be adjusted. Any additional services would be performed in accordance with our standard rates, and charges would not be incurred without the City's prior authorization.

Closing

We appreciate the opportunity to submit this Proposal, and we look forward to the construction phase of this project. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,

DAVIS • MARTIN • POWELL & ASSOCIATES, INC



Mike Linthicum, MSI
Construction Manager



Michael P. Goliber, PE
Vice President

Attachment B – DMP Rate Schedule

cc: Robby Stone, PE
Allan Hicks, PE
File

O:\PROPOSAL\HighPoint\2024 U-4758 Johnson St and Sandy Ridge\U-4758 CA_RPR Proposal 1-10-2025.docx

CLIENT	City of High Point
PROJECT	NCDOT Project U-4758 Johnson Street & Sandy Ridge Road
Job #	210168
Construction Administration/RPR	

Project Components	
CA/RPR	M. Linthicum
Services cover4 year period starting July 1, 2025	
Review High Point Water/Sewer only	
Does not include Prison Camp FM ,Cheerwine Utilities	



Task	Project Manager		Eng/Surv Project		Eng/Surv Tech I		Admin Senior		RPR		RPR, Senior		Direct Cost	Mileage	Total Cost per Task	Total Hours Per Task
	\$ 195		\$ 155		\$ 115		\$ 90		\$ 125		\$ 150		115.00%	\$ 0.60		
	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	Amount	Miles		
FIELD SERVICES																
Progress meetings		0		0		0		0	96	12,000	48	7,200		1,344	20,010	144
Site Visits/Inspection		0		0		0		0	2,500	312,500	840	126,000		7,022	442,710	3,340
Field Locations		0		0		0		0		0		0			0	0
		0		0		0		0		0		0			0	0
		0		0		0		0		0		0			0	0
CA SERVICES																0
Project Management	257	50,115		0		0	96	8,640		0		0			58,760	353
Submittals / RFI Response	96	18,720		0		0		0		0		0			18,720	96
Project Engineer/Designer Assistance	0	0	96	14,880	96	11,040		0		0		0			25,920	192
Record Drawings	64	12,480	80	12,400	80	9,200		0		0		0			34,080	224
Total Cost per Job Classification		81,315.00		27,280.00		20,240.00		8,640.00		324,500.00		133,200.00	-	8,366.40	600,200	
Total Hours per Job Classification	417		176		176		96		2,596		888					4,349

Total CA/RPR Fee =	\$ 600,200.00
--------------------	---------------

Typ Phases	CA	\$ 137,480
	RPR	\$ 462,720
	Contingency	\$ -
		\$ 600,200

Mileage	
# of Trips	728
Round Trip Miles	14
Total miles	10,192

Construction Time	
1,460	calendar days
834	working days (5 days a week)
4.00	work hrs/day
3,337	inspection hours (60% of period)

**ATTACHMENT “B”
RATE SCHEDULE**

Category	Rate
Engineering	
Principal	\$250
Associate	\$215
Team Leader	\$205
Project Manager, Senior	\$195
Project Manager	\$180
Engineer, Senior	\$170
Engineer, Project	\$155
Land Planning Specialist	\$152
Engineering Technician I	\$115
Engineering Technician II	\$105
Construction Administration	
Construction Manager	\$160
Resident Project Representative, Senior	\$150
Resident Project Representative I	\$125
Resident Project Representative II	\$105
Administration	
Administrative Assistant, Senior	\$90
Administrative Assistant	\$65
Travel Mileage	IRS Rate
Meals and Lodging	At Cost
Reimbursable Expenses	Cost+15%

Category	Rate
Geomatics	
Associate	\$215
Project Manager, Senior	\$195
Project Manager	\$180
Surveyor, Senior	\$170
Surveyor, Project	\$155
LIDAR/3D Data Processing Technician	\$150
Geomatics Technician I	\$115
Geomatics Technician II	\$105
Geomatics Survey Crew, 3-Man	\$225
Geomatics Survey Crew, 2-Man	\$195
Geomatics Survey Crew, 1-Man	\$155
Remote Sensing Crew (UAS Flight or Terrestrial Scanning, minimum 4 hour charge)	\$225
SUE Level A: Full day, includes survey location	\$2,600
SUE Level A: Half day, includes survey location (minimum charge)	\$1,450
SUE Level B: Delineation, GPR, hourly (minimum 4 hour charge)	\$195
SUE Select Backfill & Surface Restoration (stone, asphalt, flowable fill, concrete)	At Cost
SUE Traffic Control Assistance	At Cost

Effective January 1, 2025 and subject to adjustment

09/08/99

TIP PROJECT: U-4758

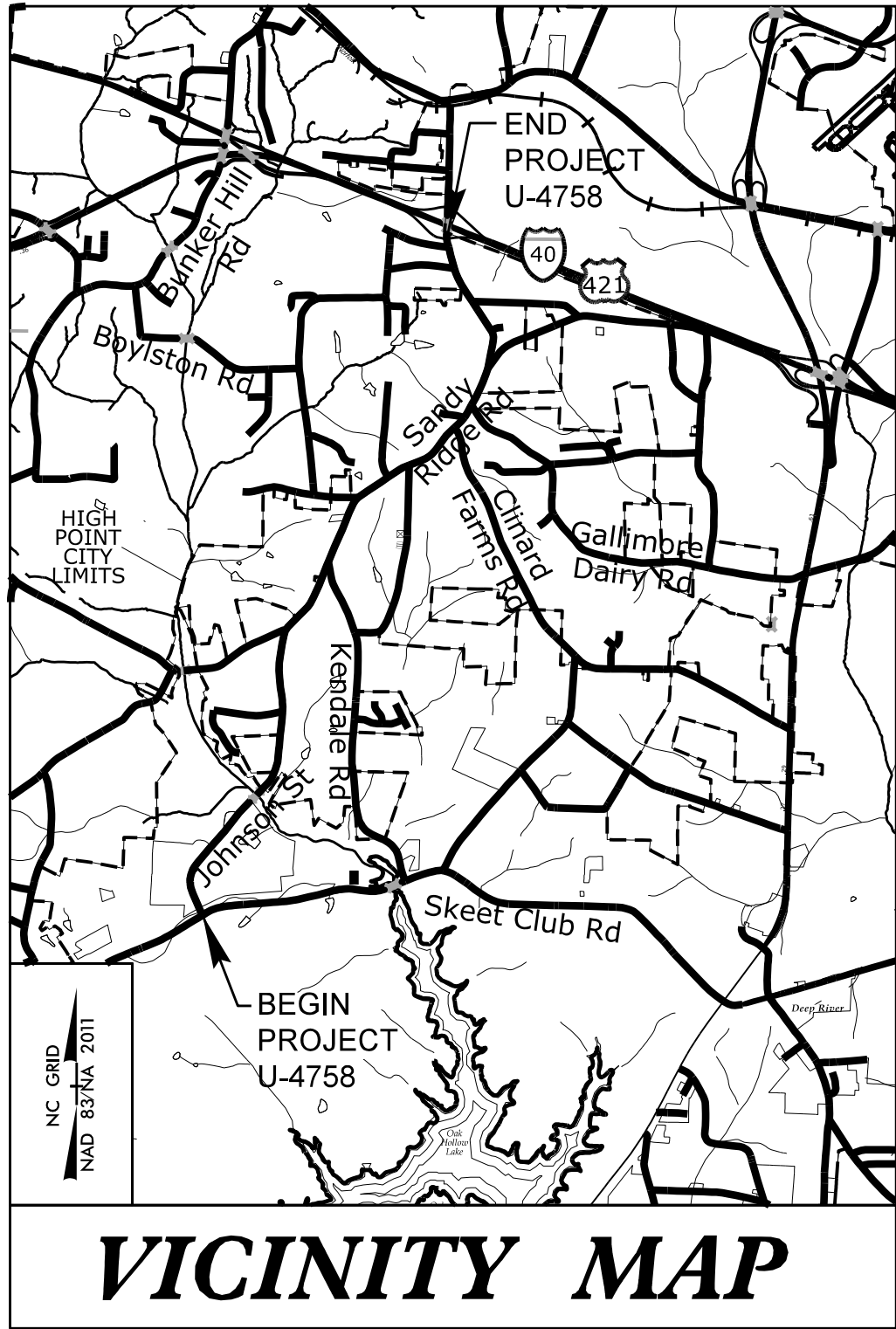
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-4758	UC-1

EXHIBIT A
AGREEMENT PLANS

COST BREAKDOWN LEGEND

STATE COST	
CITY OF HIGH POINT	

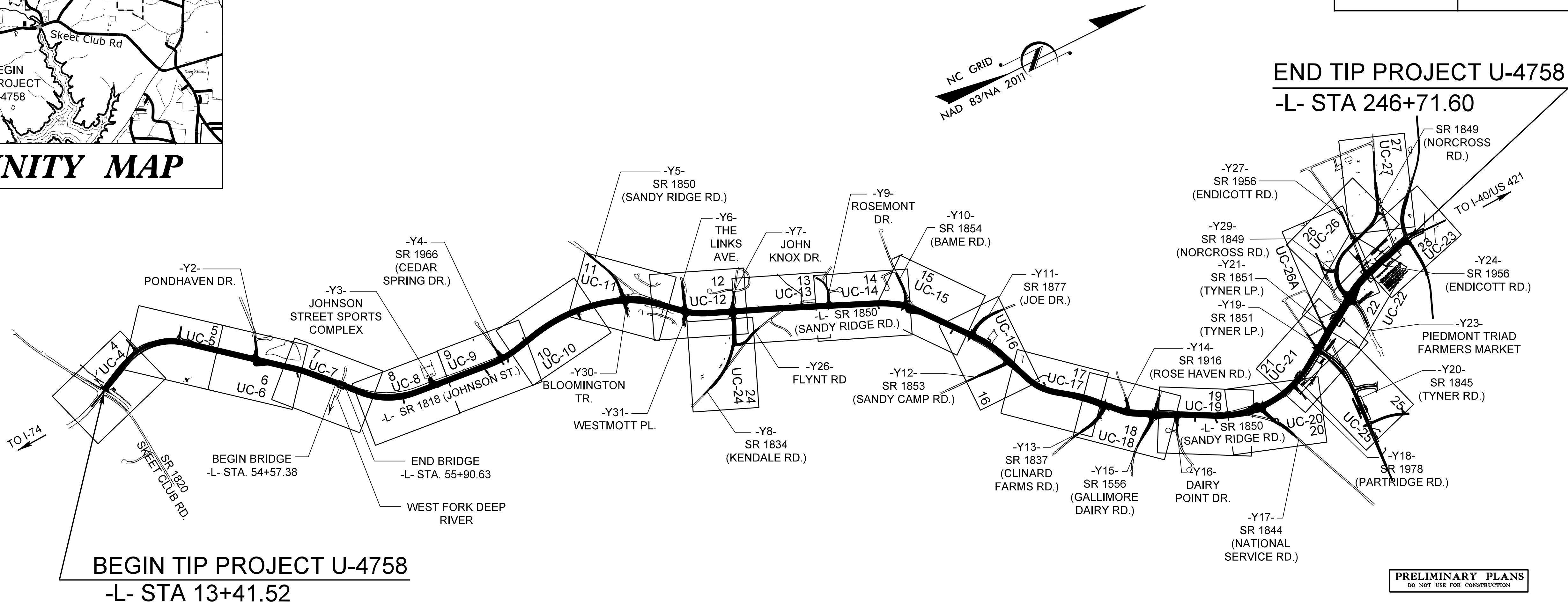


VICINITY MAP

UTILITY CONSTRUCTION PLANS
GUILFORD COUNTY

LOCATION: SR 1818 (JOHNSON STREET) /SR 1850 (SANDY RIDGE ROAD) FROM
SR 1820 (SKEET CLUB ROAD) TO SOUTH OF I-40 IN HIGH POINT

TYPE OF WORK: UTILITY CONSTRUCTION

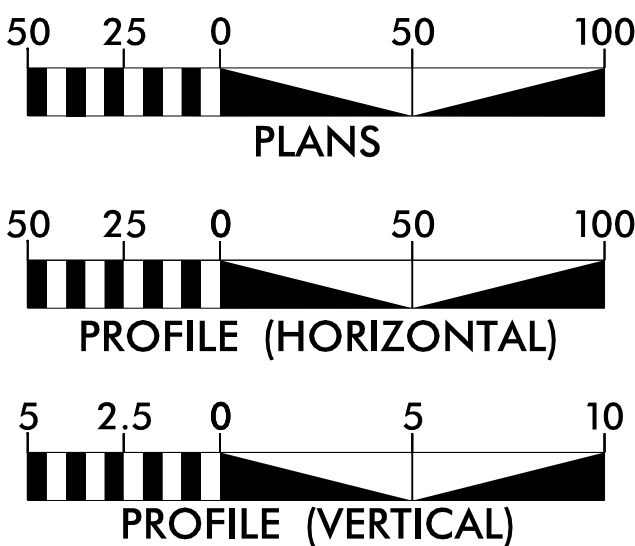


PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A	CONSTRUCTION SEQUENCE
UC-3B THRU UC-3F	DETAILS
UC-4 THRU UC-27	UTILITY CONSTRUCTION SHEETS
UC-28 THRU UC-33	PROFILE SHEETS

WATER AND SEWER
OWNERS ON PROJECT

- A) WATER - CITY OF HIGH POINT
B) SEWER - CITY OF HIGH POINT
C) SEWER - NC DEPARTMENT OF
ADULT CORRECTION

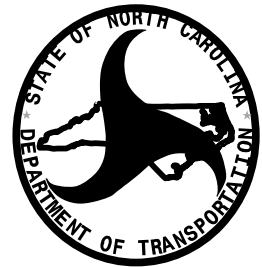
PREPARED IN THE OFFICE OF:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: P-0245

Steve McKee, P.E. CONSULTANT CONTACT #1
Randy McNeill, P.E. CONSULTANT CONTACT #2
Kyle Stalls CONSULTANT CONTACT #3

SEAL



DIVISION OF HIGHWAYS
UTILITIES UNIT

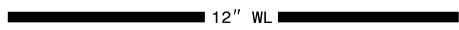
1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

Amy York CENTRAL UTILITIES MANAGER
Ali Kouchehi, P.E. REGIONAL UTILITIES ENGINEER
Douglas Joyner SENIOR UTILITIES ENGINEER
Dayton Martin REGIONAL UTILITY COORDINATOR
O'Hara Parker SENIOR UTILITY COORDINATOR

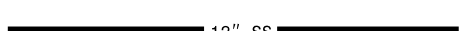
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

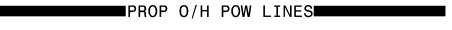
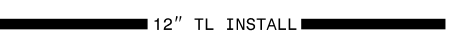
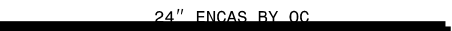
PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11¼ Degree Bend	
22½ Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

NOTE

PAY ITEM

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	
End of Information	

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

*For Existing Utilities

Utility Line Drawn from Record (Type as Shown)

Designated Utility Line (Type as Shown)

GENERAL NOTES:

2. THE EXISTING WATER AND SEWER UTILITIES BELONG TO THE CITY OF HIGH POINT AND THE NC DEPARTMENT OF ADULT CORRECTION.

4. THE UTILITY OWNERS OWN THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT AND ACCEPTANCE BY EACH UTILITY OWNER. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNERS ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNERS AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.

```
$$$SYTIME$$$$$DGN$$$$$
$$$USERNAME$$$$$
```

7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

2. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED WATER LINES IN NOMINAL DIAMETERS 2" AND SMALLER SHALL BE TYPE K COPPER.

4. FOR PROPOSED WATER VALVES, OR EXISTING WATER VALVES THAT WILL REMAIN IN SERVICE: IF THE TOP OF THE VALVE NUT WILL BE MORE THAN 5 FEET DEEP FROM FINISHED GRADE, THE CONTRACTOR SHALL INSTALL A VALVE STEM EXTENSION WITH A 2" SQUARE OPERATING NUT SO THE TOP OF THE VALVE STEM EXTENSION WILL BE BETWEEN 3 FEET AND 5 FEET DEEP FROM FINISHED GRADE, PER CITY OF HIGH POINT STANDARD DRAWING 237.00. THE COST TO FURNISH AND INSTALL ANY VALVE STEM EXTENSIONS SHALL BE INCIDENTAL TO THE CONTRACT.

6. TEMPORARY BYPASS PUMPING OF FLOW IN SOME EXISTING SEWER LINES WILL BE REQUIRED WHEN INSTALLING NEW SEWER LINES IN THE SAME HORIZONTAL ALIGNMENT AS THE EXISTING SEWER LINES, AND WHEN TYING PROPOSED MH'S INTO EXISTING SEWER LINES. SEE DIVISION 15, SECTION 1520-3-A-1 OF THE NCDOT STANDARD SPECIFICATIONS. COSTS FOR TEMPORARY BYPASS PUMPING SHALL BE INCIDENTAL TO THE CONTRACT.

7. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER CONCERNING THE TIMING AND SCHEDULE OF REQUIRED SHUT-DOWNS OF ANY EXISTING WATER OR SEWER MAINS.

9. FOR EXISTING WATER SERVICES TO BE ABANDONED, AND ARE CONNECTED TO EXISTING WATER MAINS THAT WILL REMAIN IN SERVICE, THE CONTRACTOR SHALL EXCAVATE THE CORPORATION STOP AT THE WATER MAIN, CLOSE THE CORPORATION STOP, AND DISCONNECT THE WATER SERVICE LINE FROM THE CORPORATION STOP. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO THE COST FOR THE "REMOVE WATER METER" PAY ITEM.

11. HYDRANT METER SHOWN ON SHEET UC-12
SHALL BE INCIDENTAL TO FIRE HYDRANT PAY ITEM.

12. THE CITY OF HIGH POINT WILL PROVIDE NEW HYDRANTS TO REPLACE EXISTING ONES THAT ARE DAMAGED.

UTILITY CONSTRUCTION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

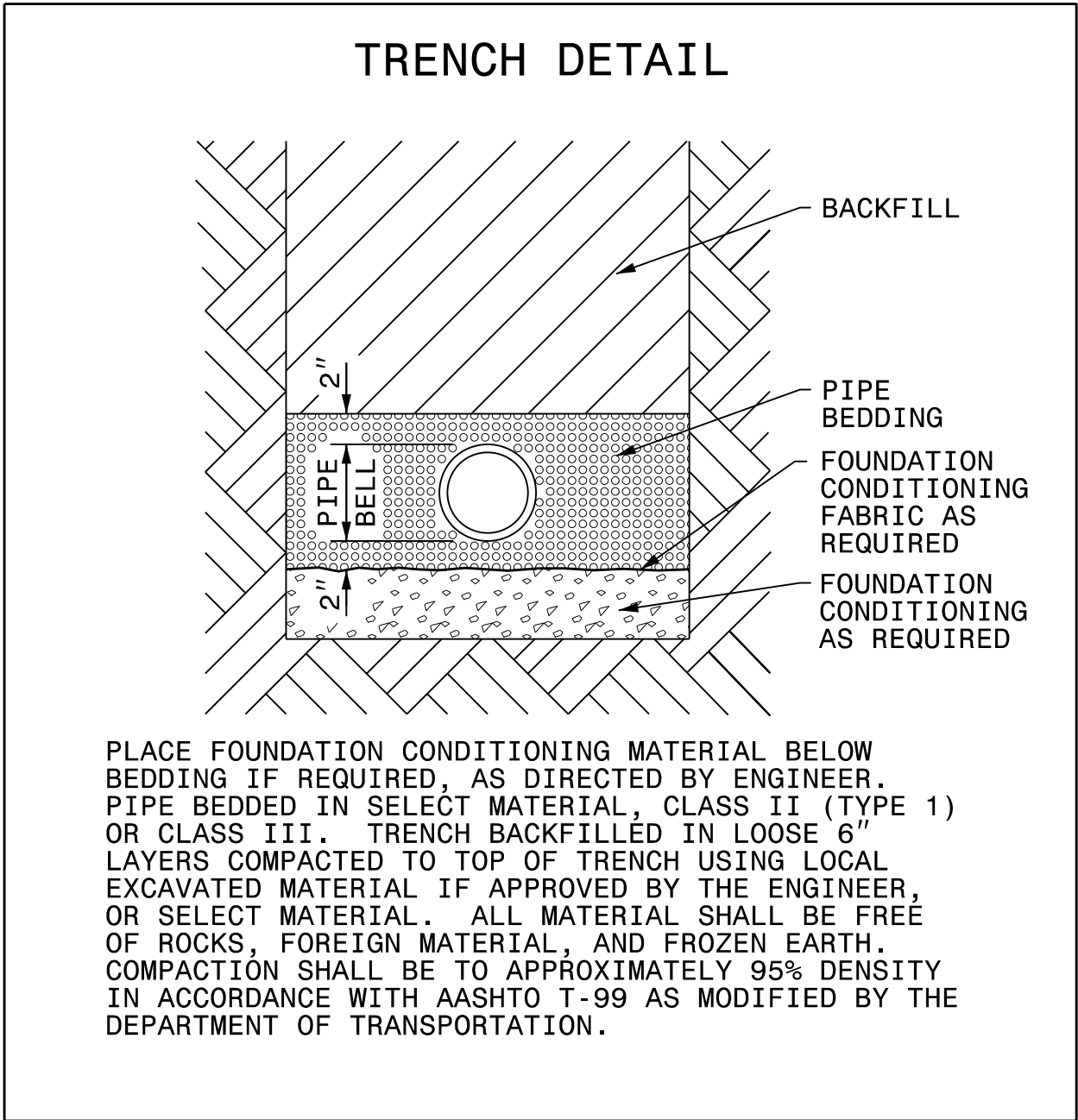
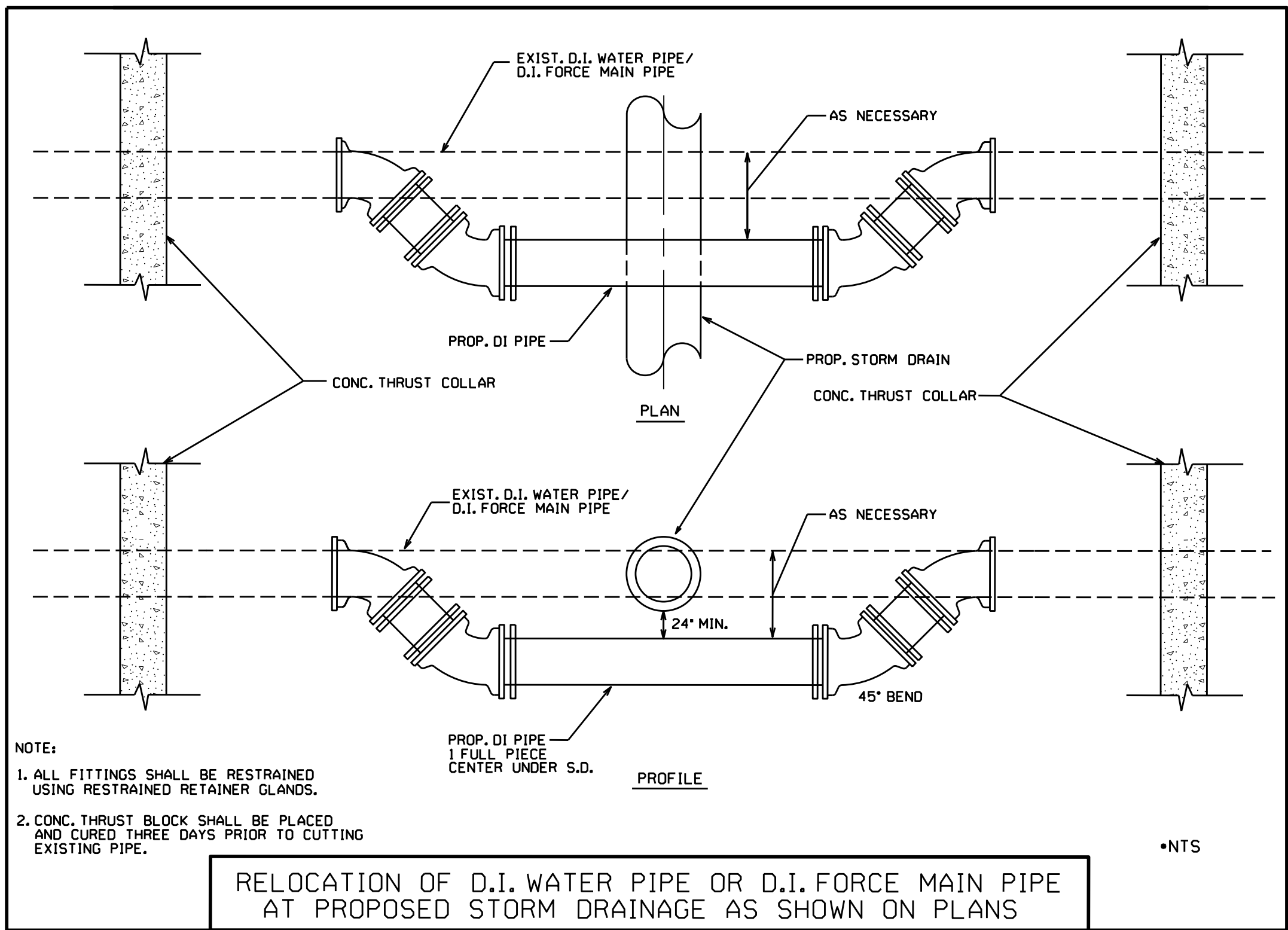
UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

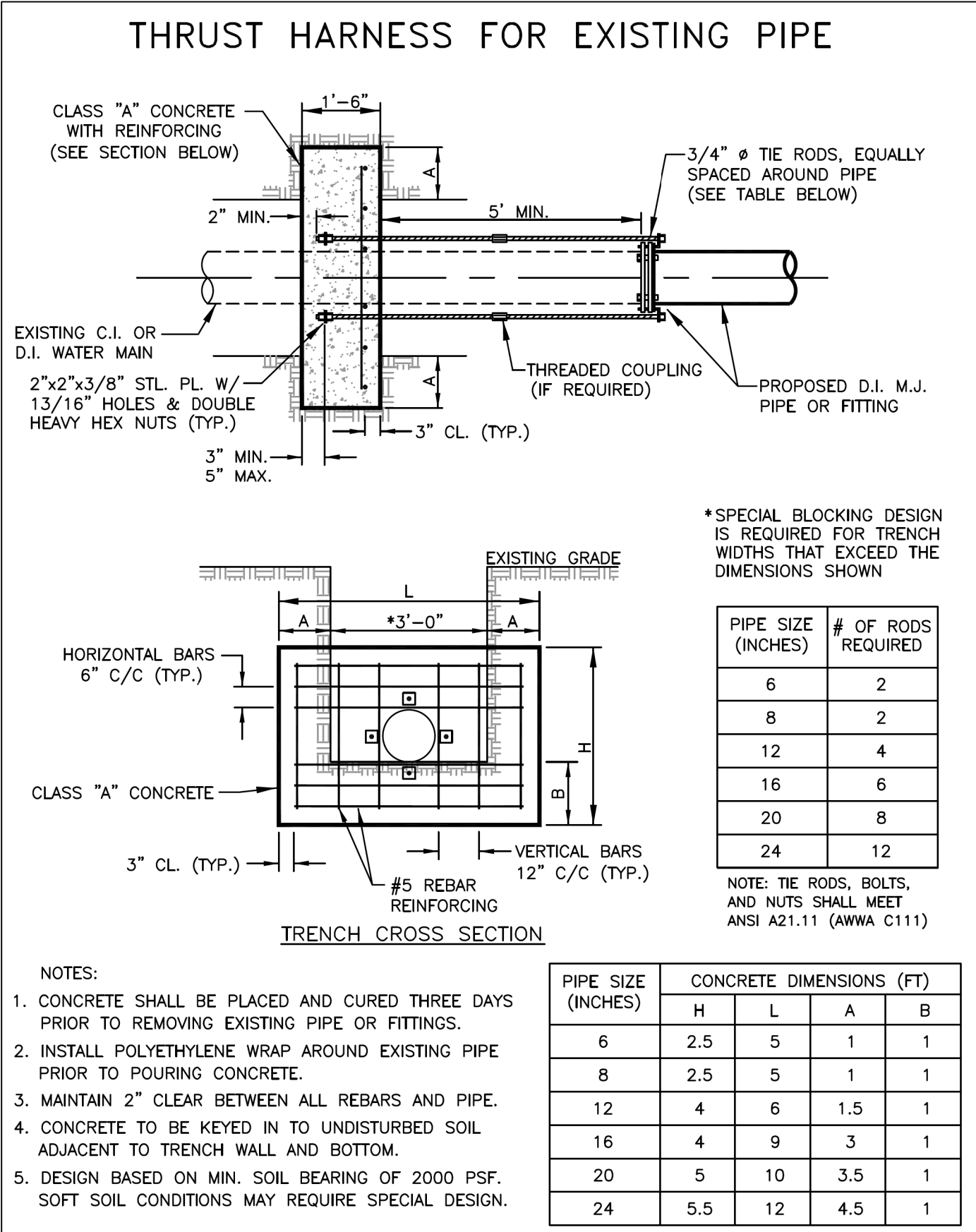
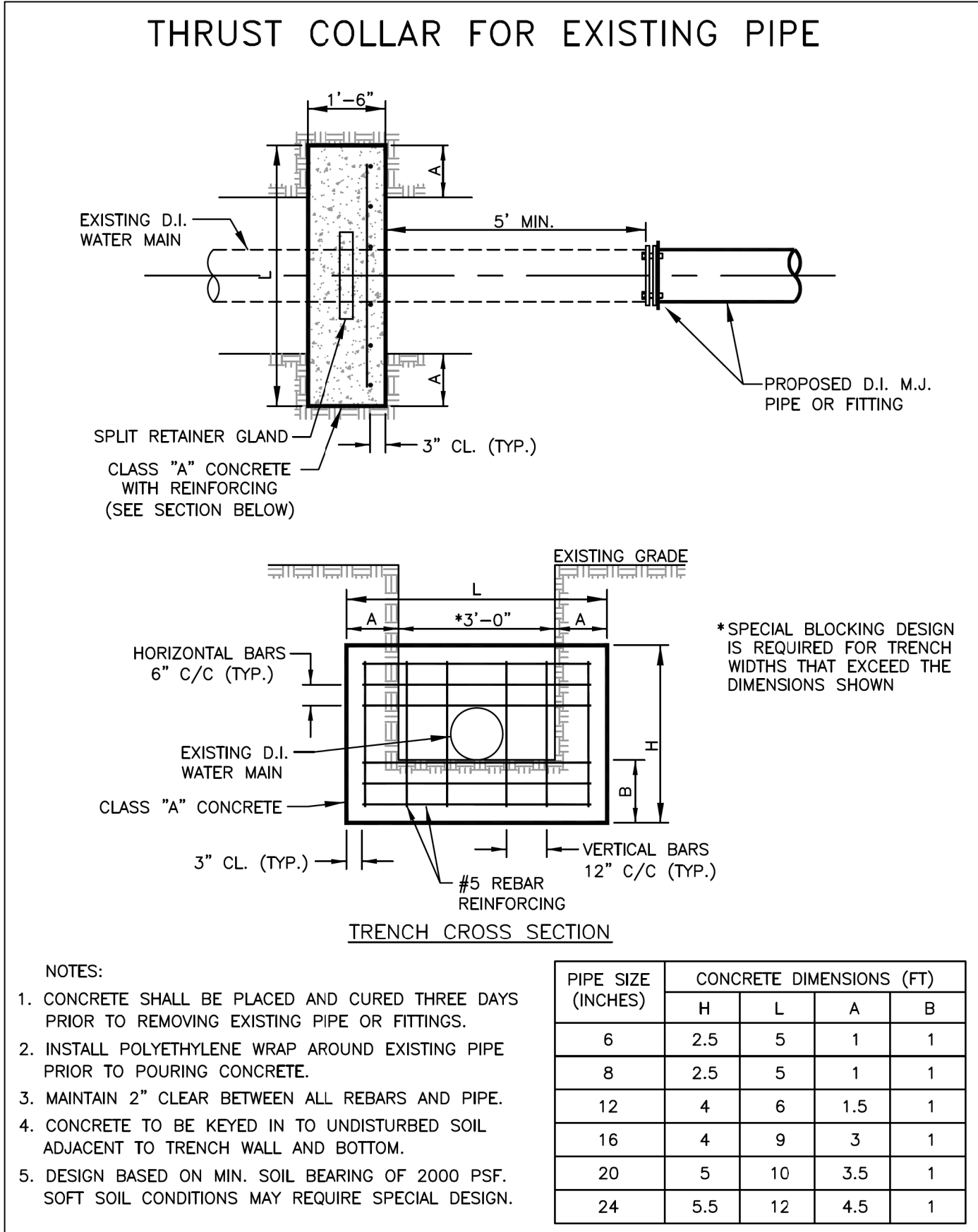
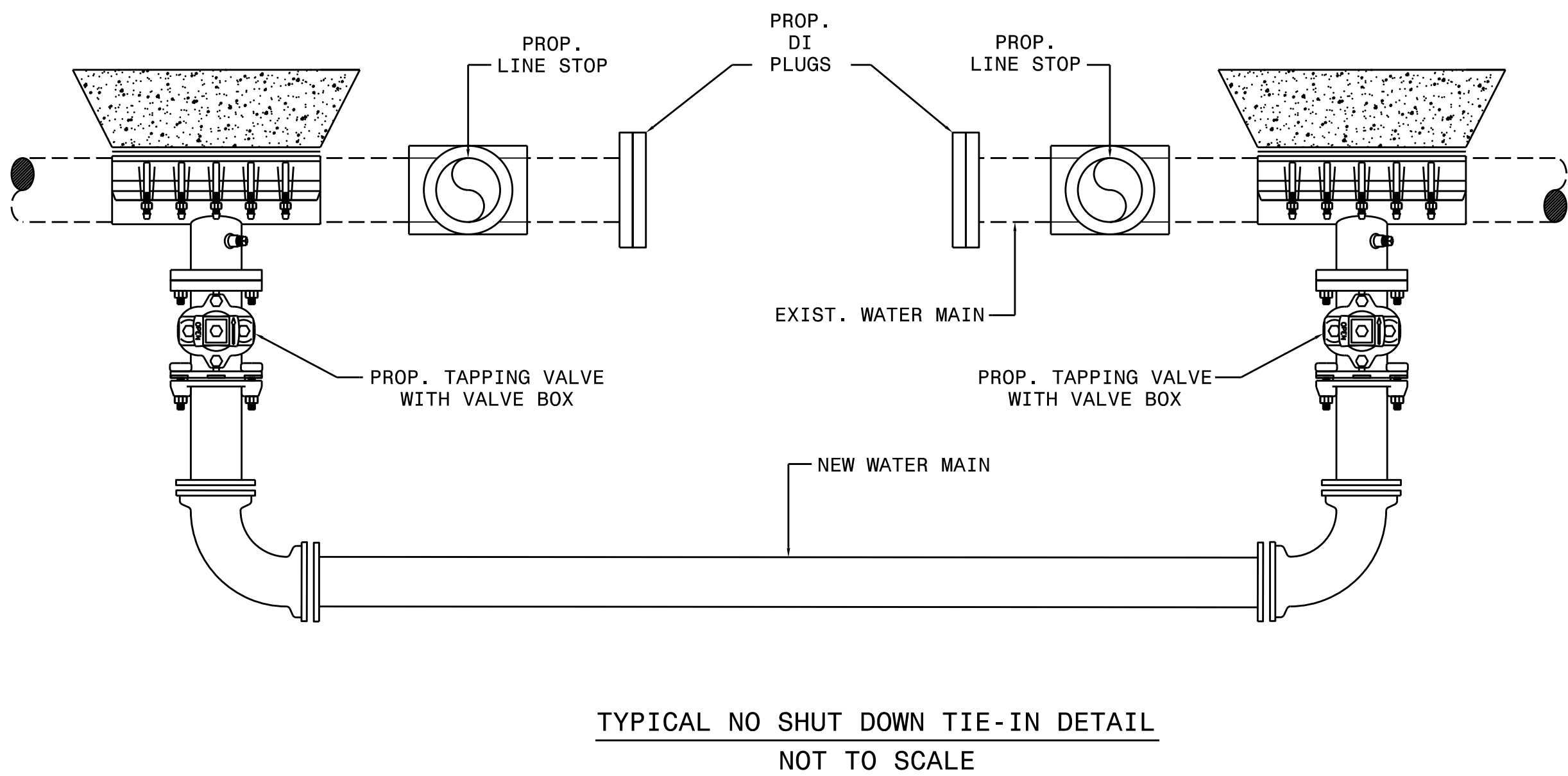
6415 OLD PLANK RD, HIGH POINT, NC 27265
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245



PROJECT TYPICAL DETAILS



MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42	60	84



PROJECT REFERENCE NO. U-4758 SHEET NO. UC-3B

DESIGNED BY: DMP

DRAWN BY: DMP

CHECKED BY: DMP

APPROVED BY:

REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151

UTILITY CONSTRUCTION PLANS ONLY

ENGINEER JAMES S. MOORE

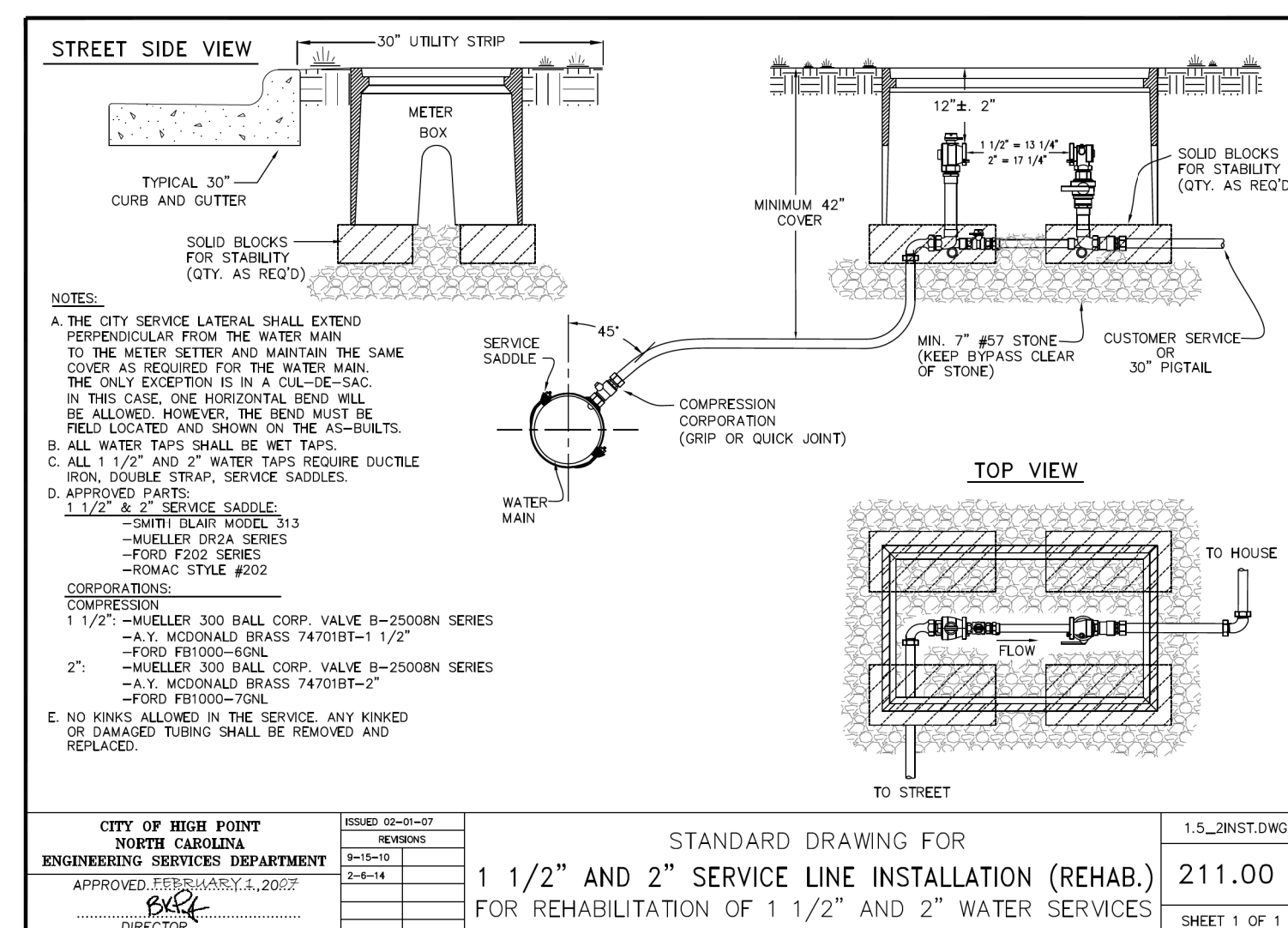
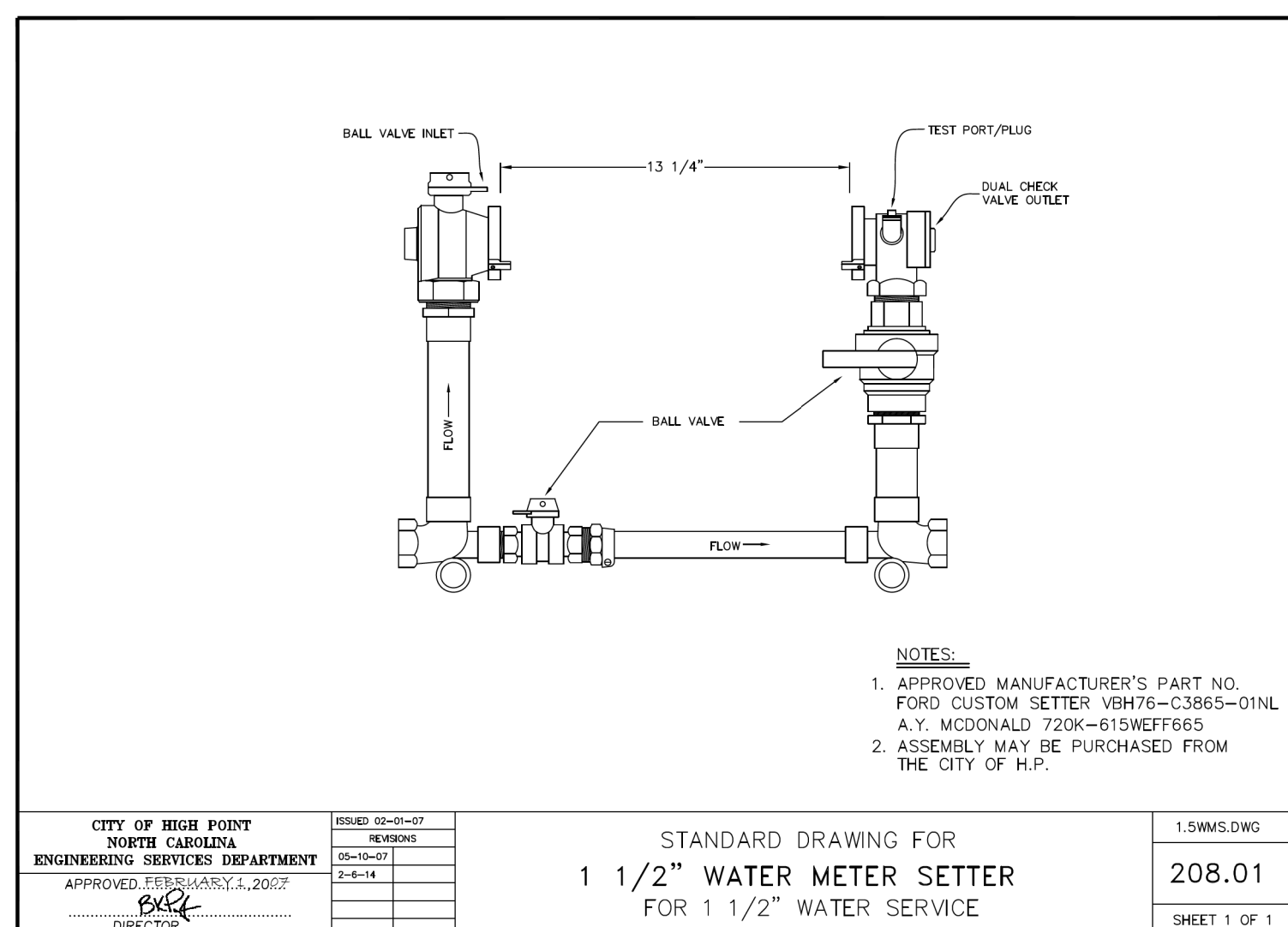
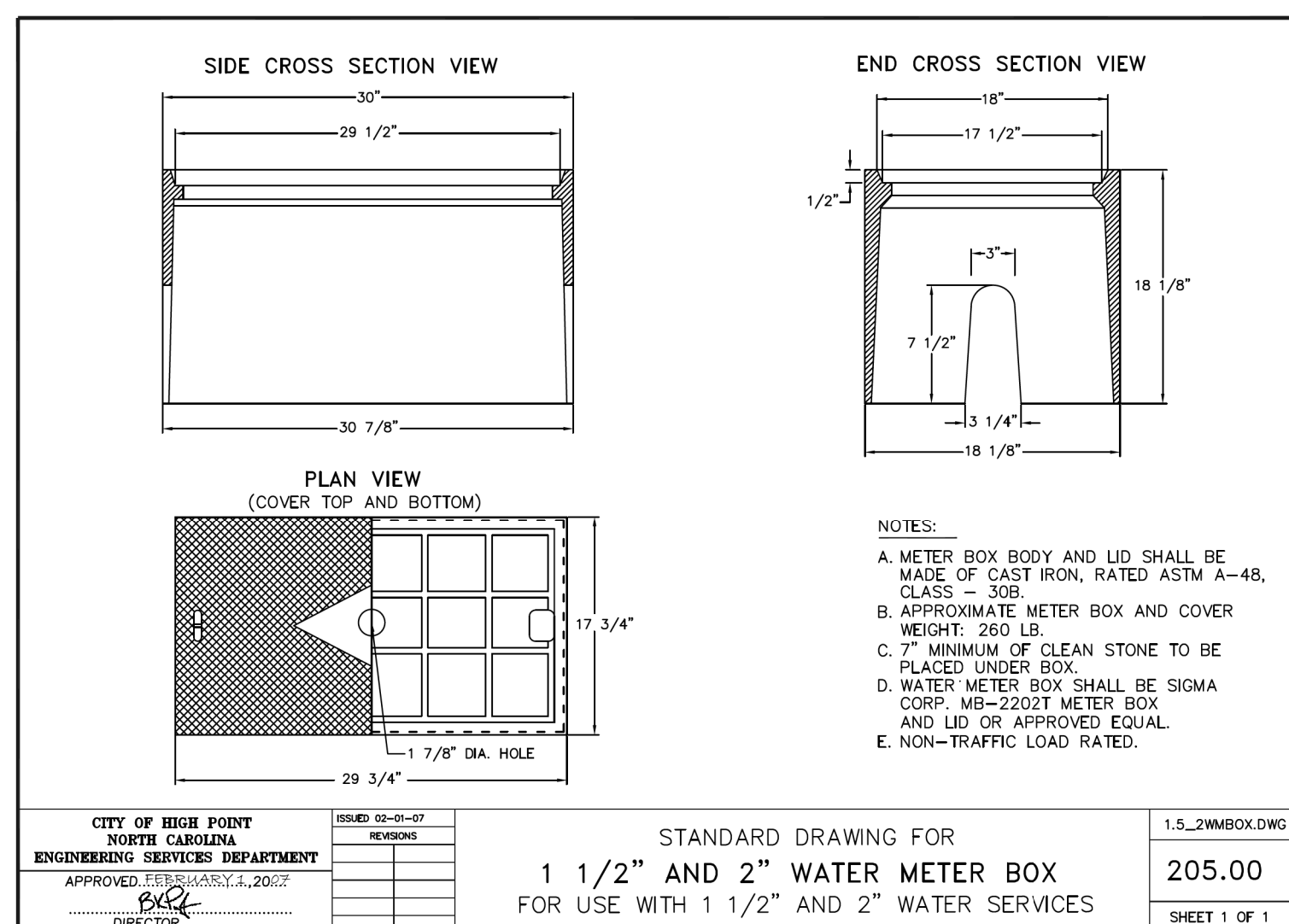
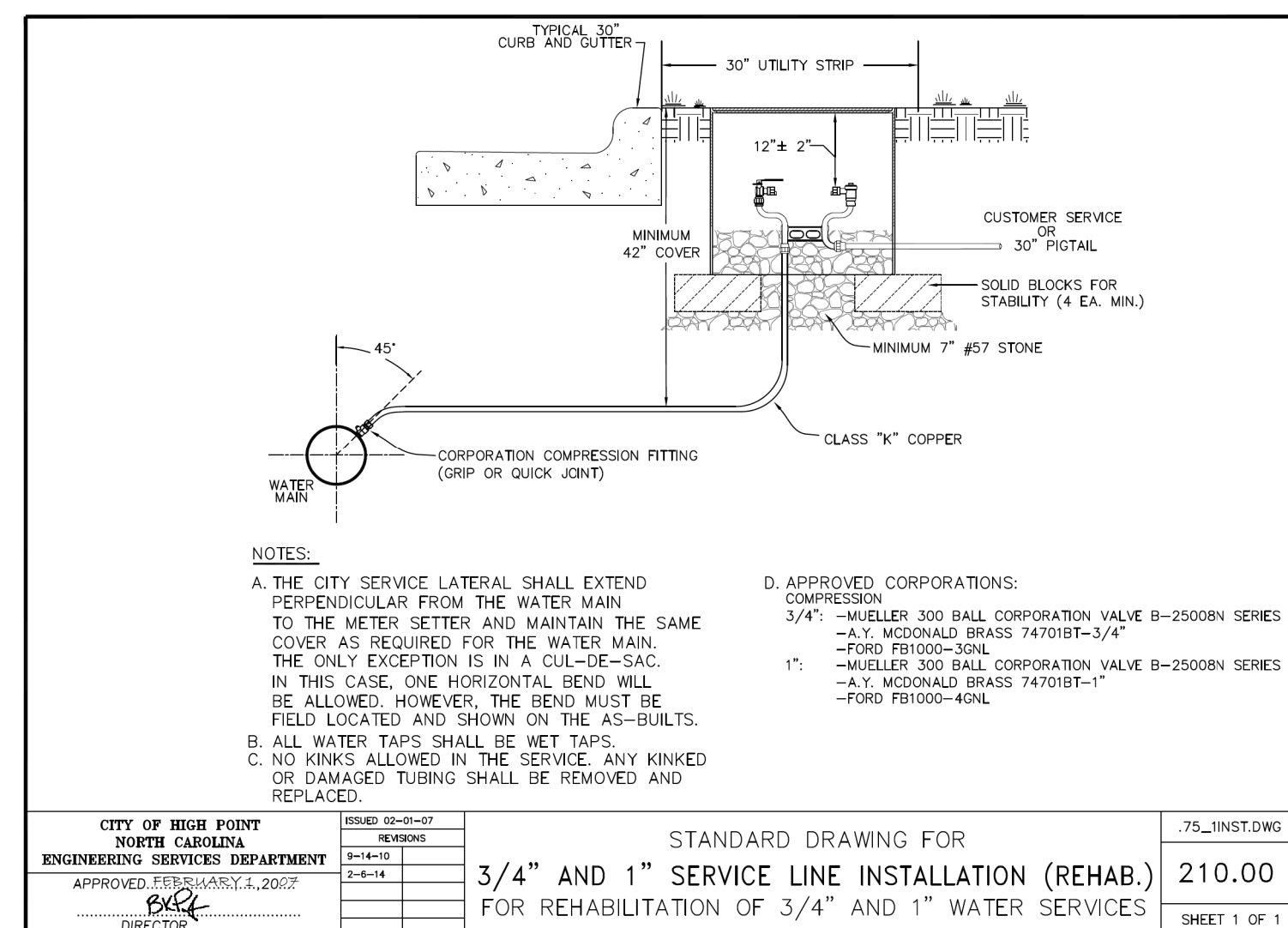
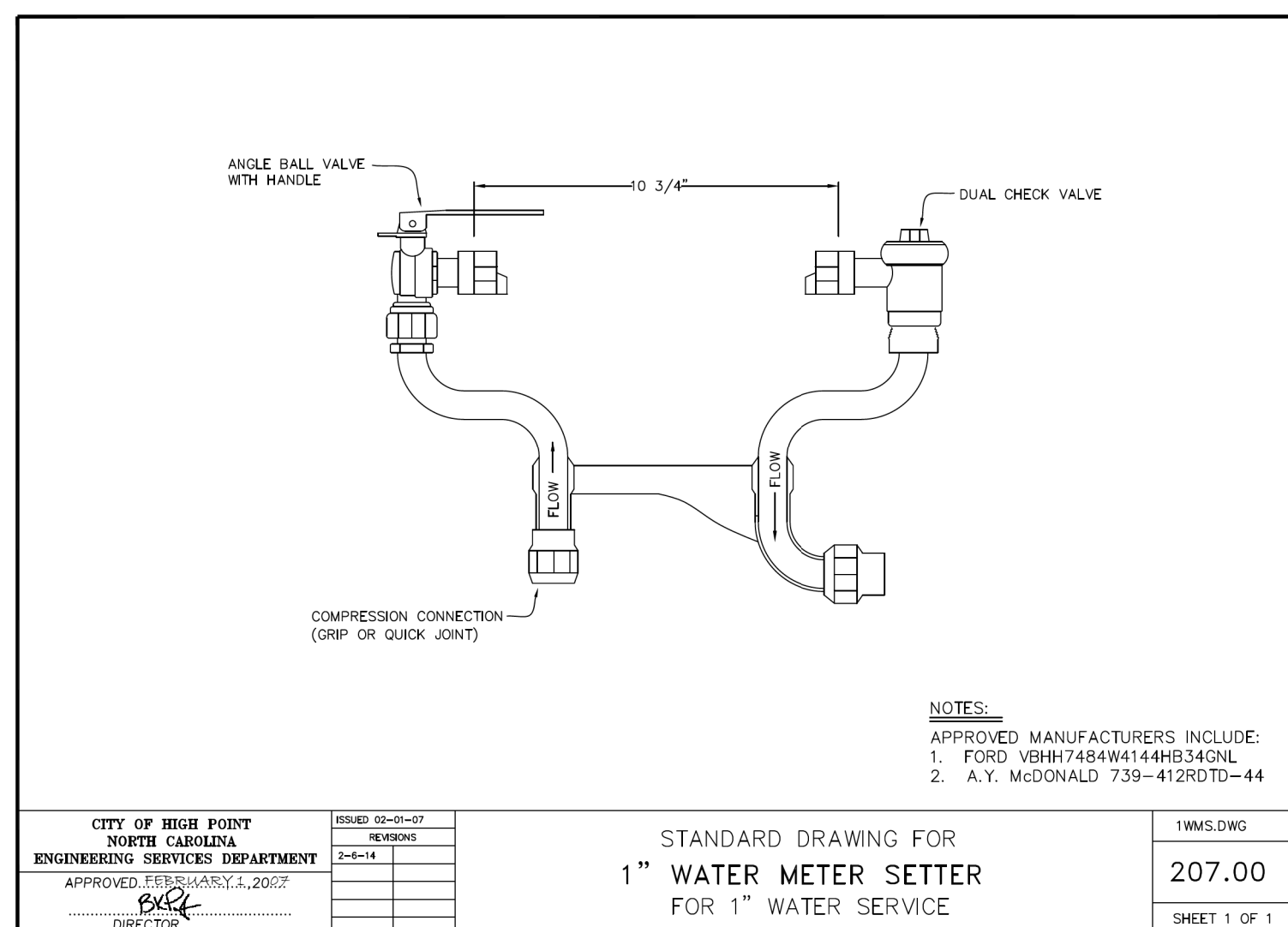
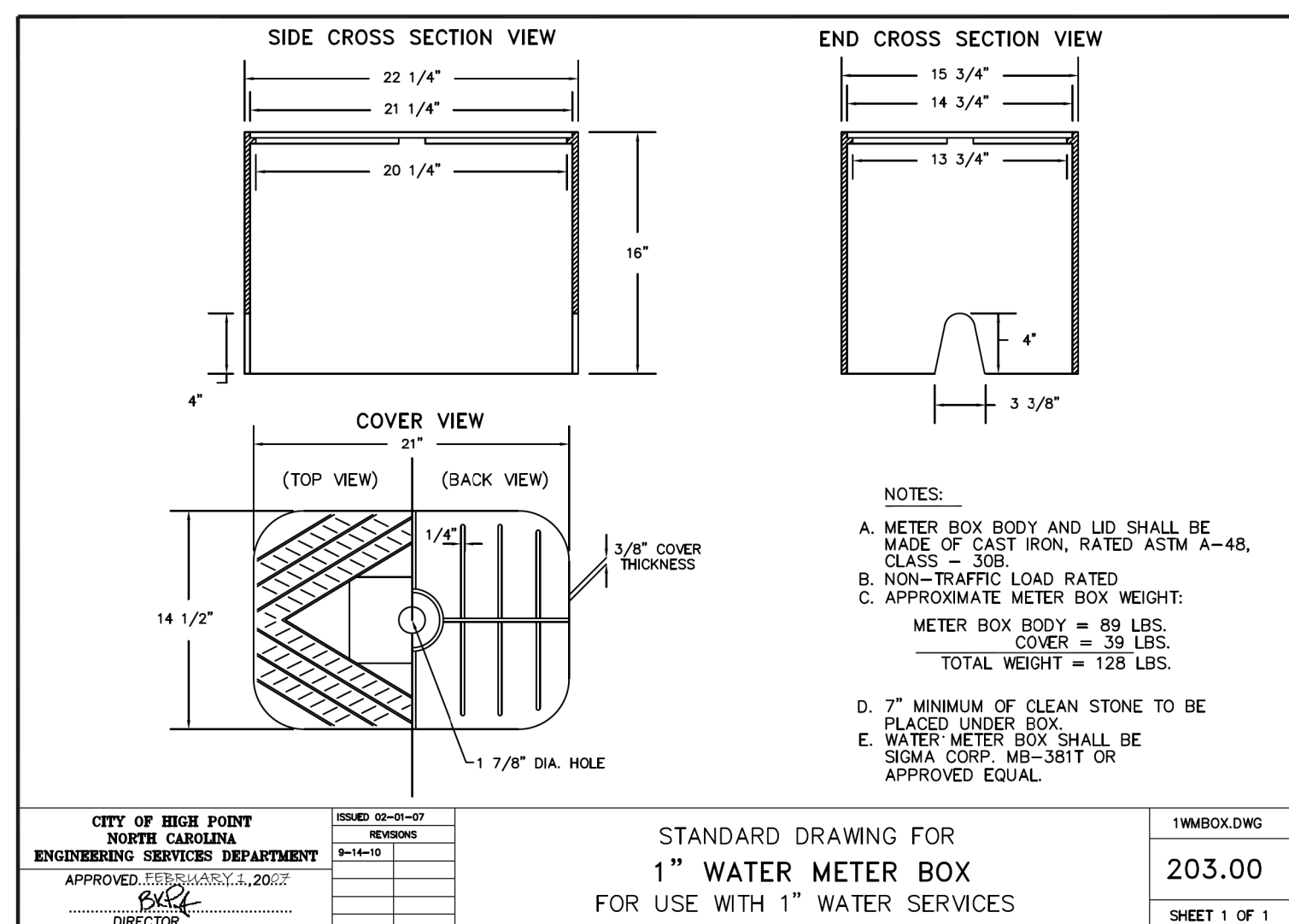
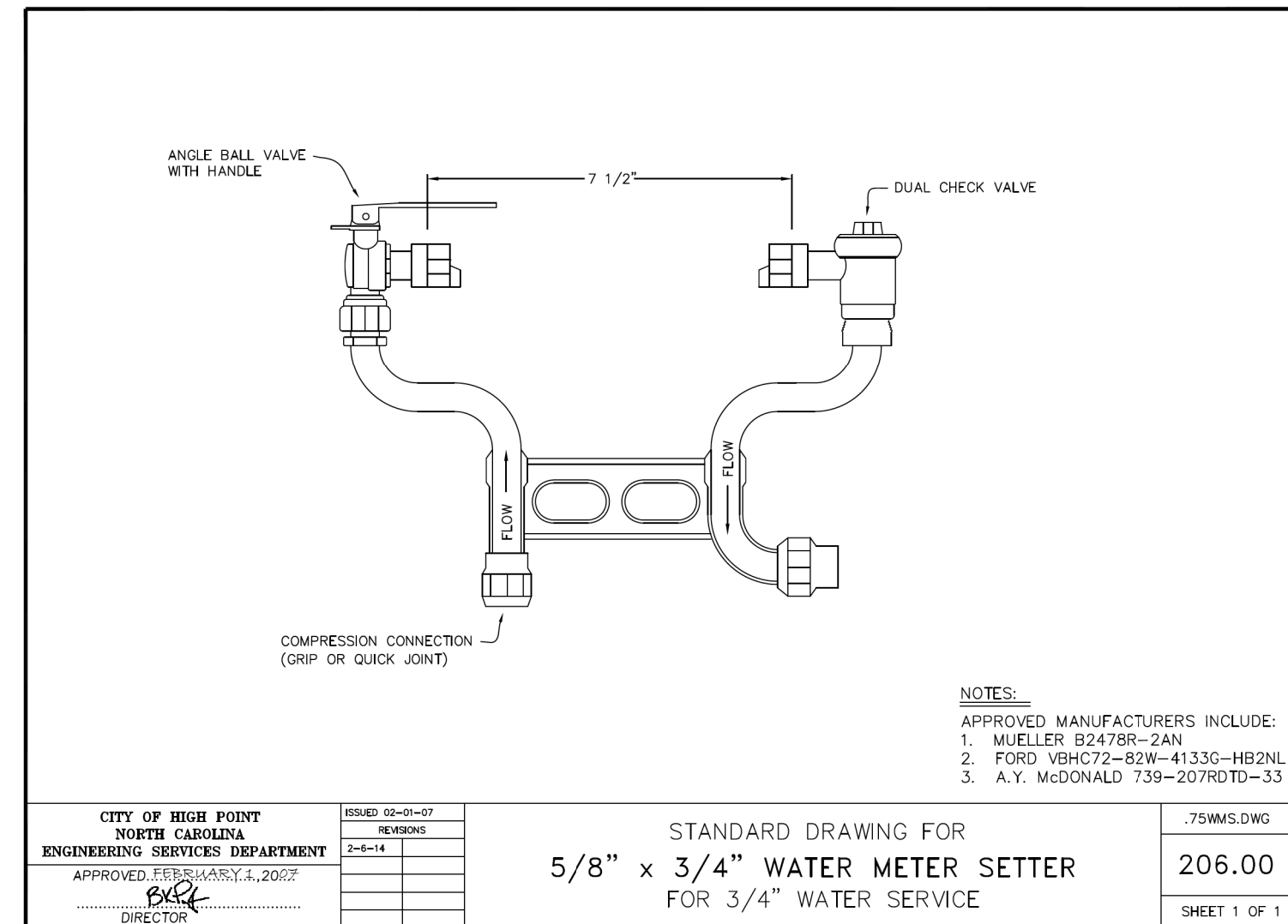
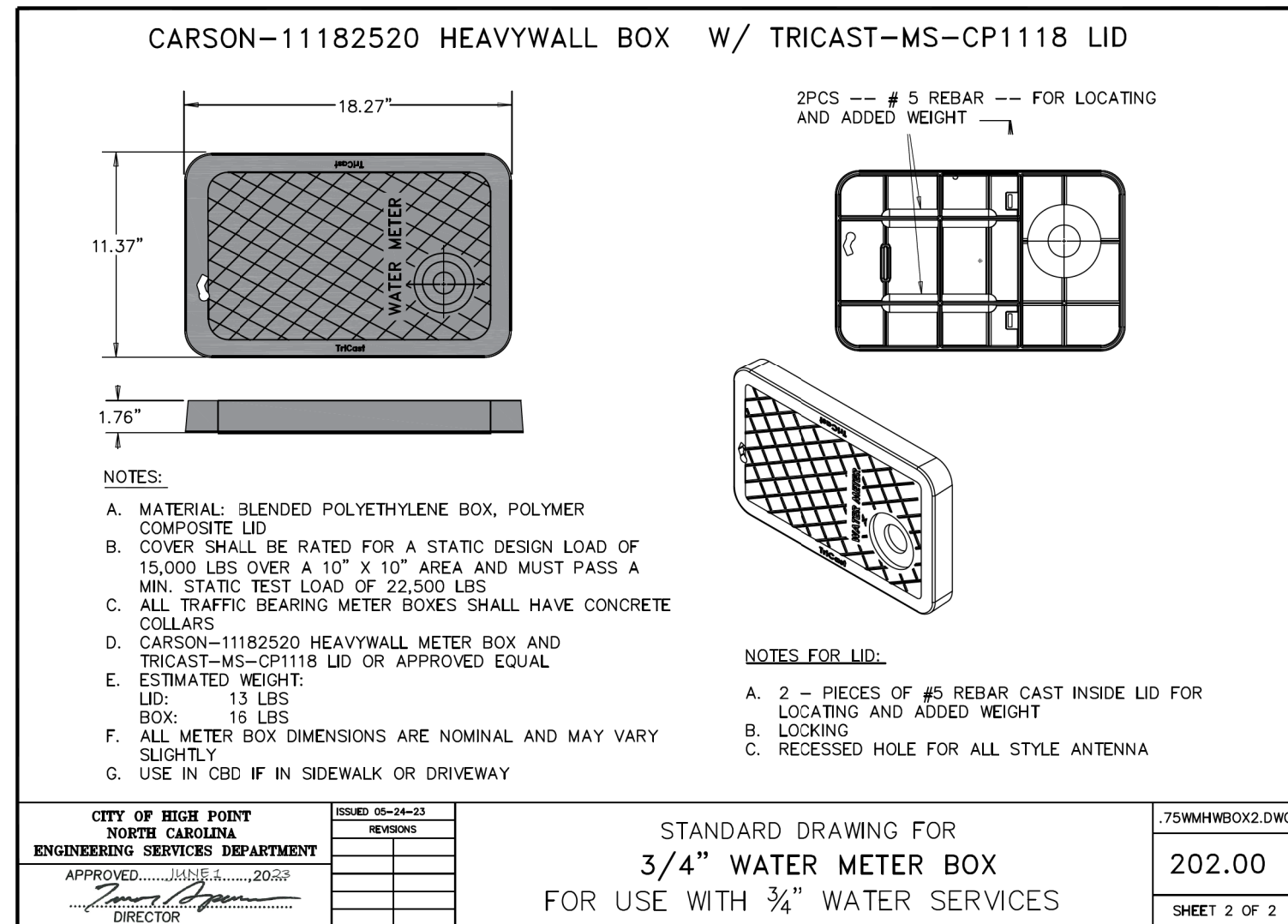
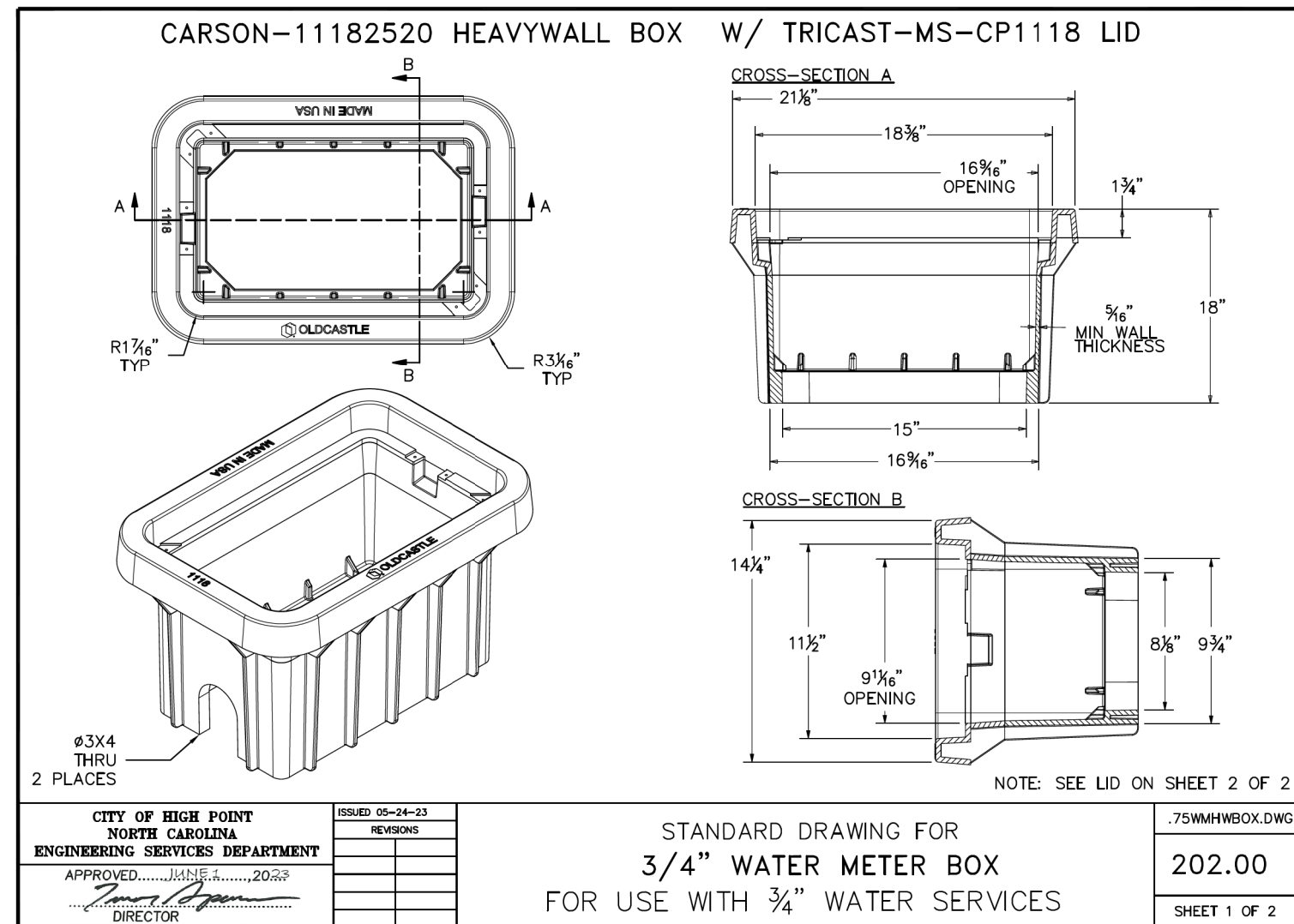
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

PROJECT TYPICAL DETAILS



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-3C
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

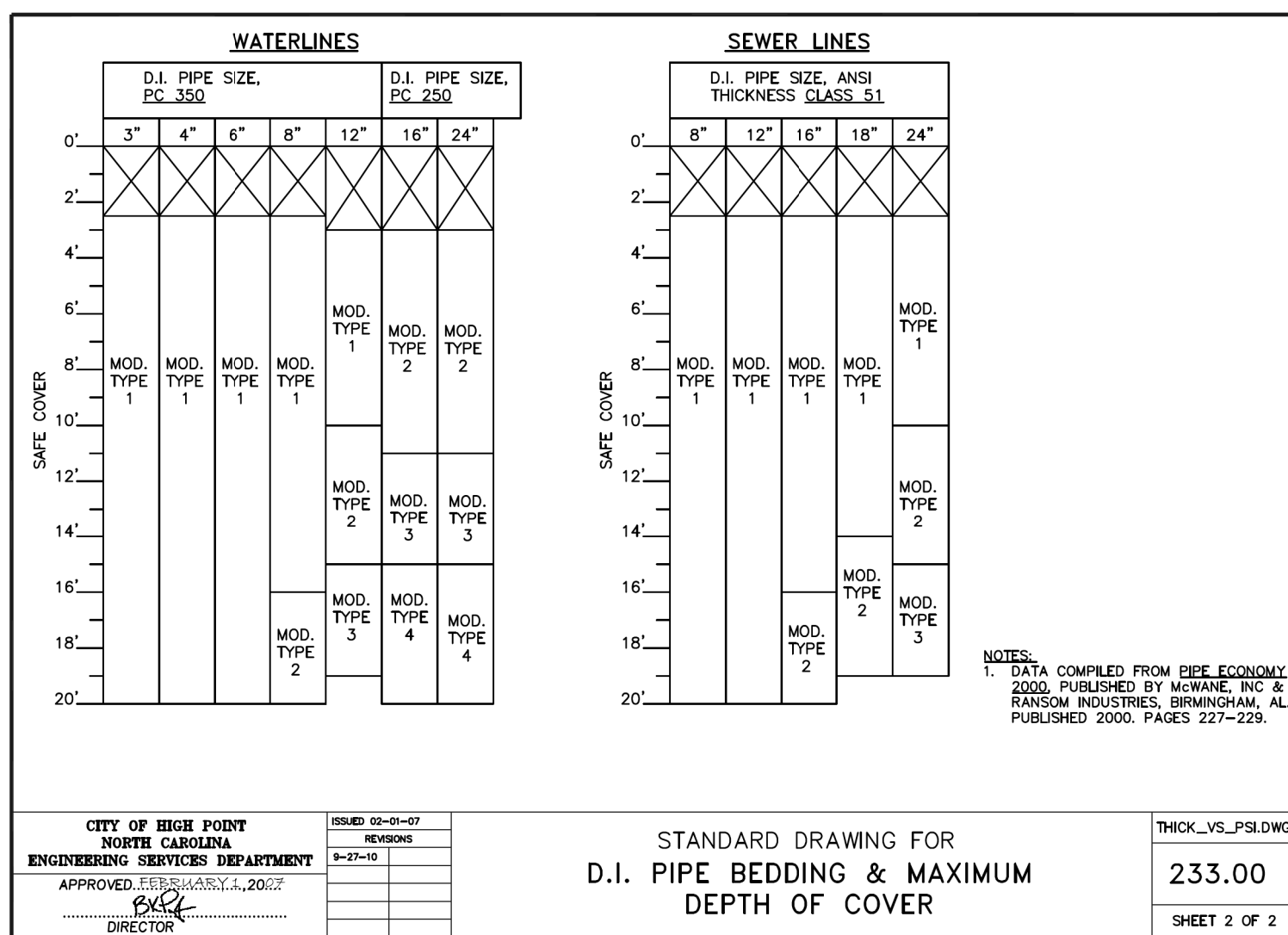
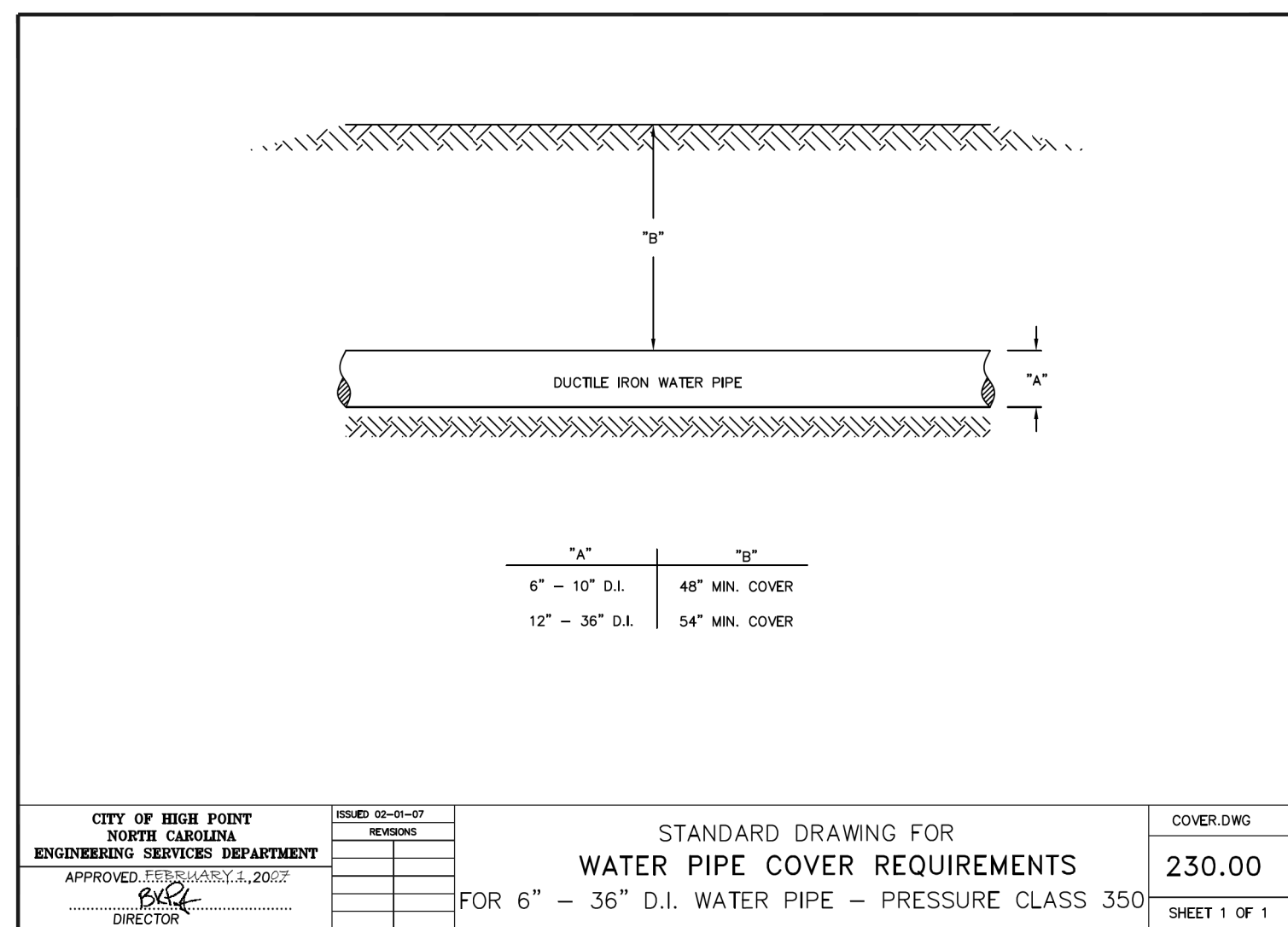
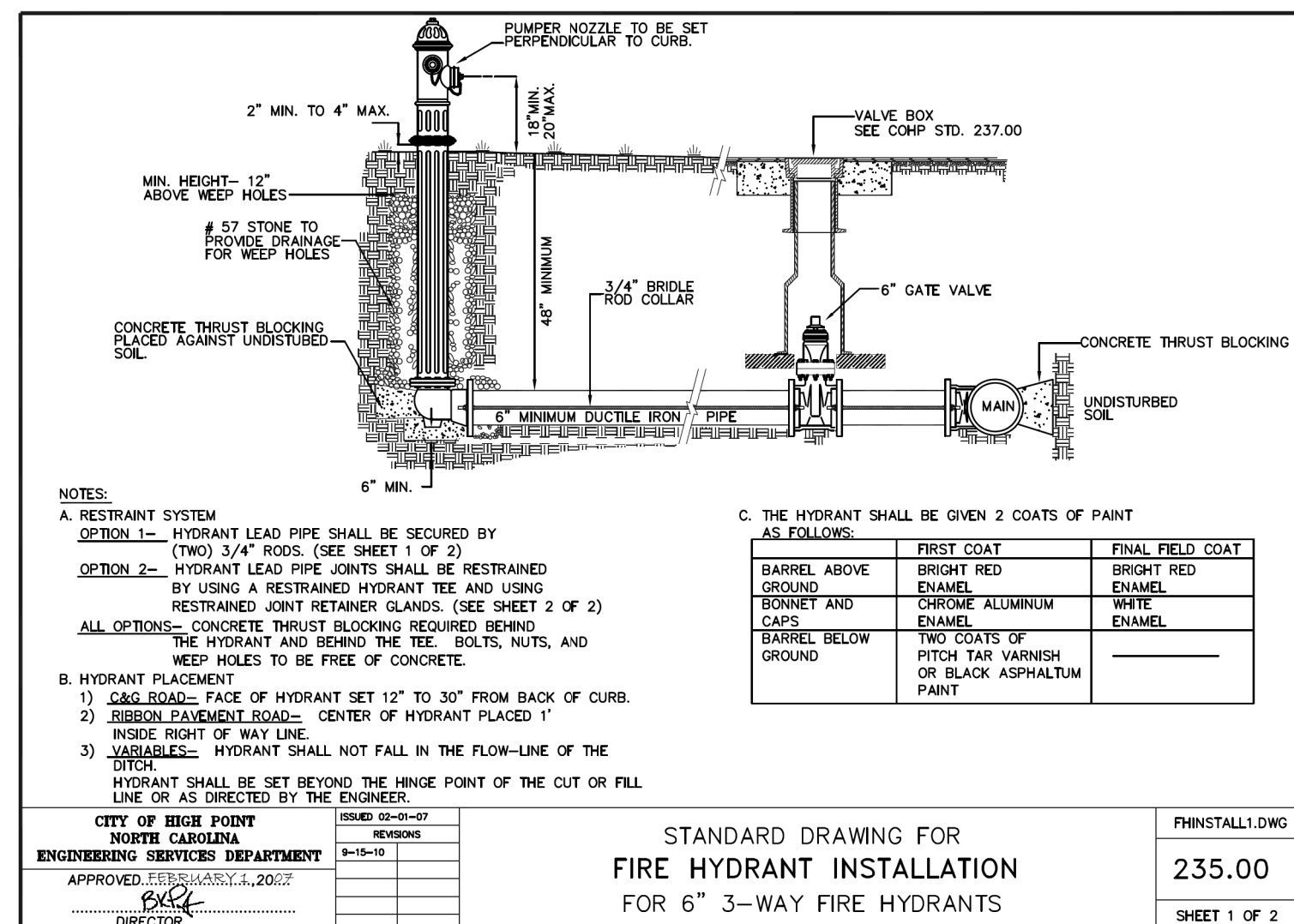
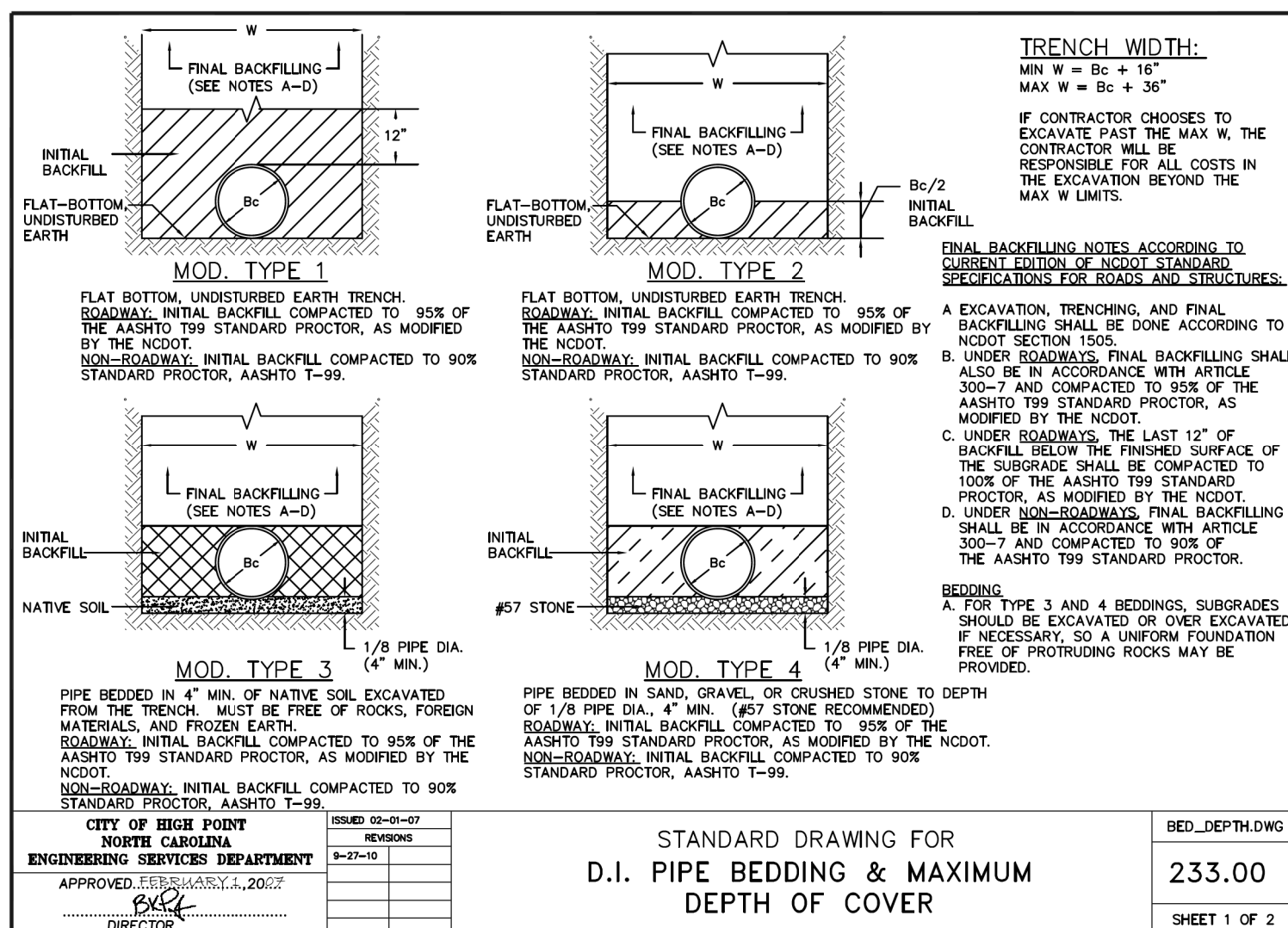
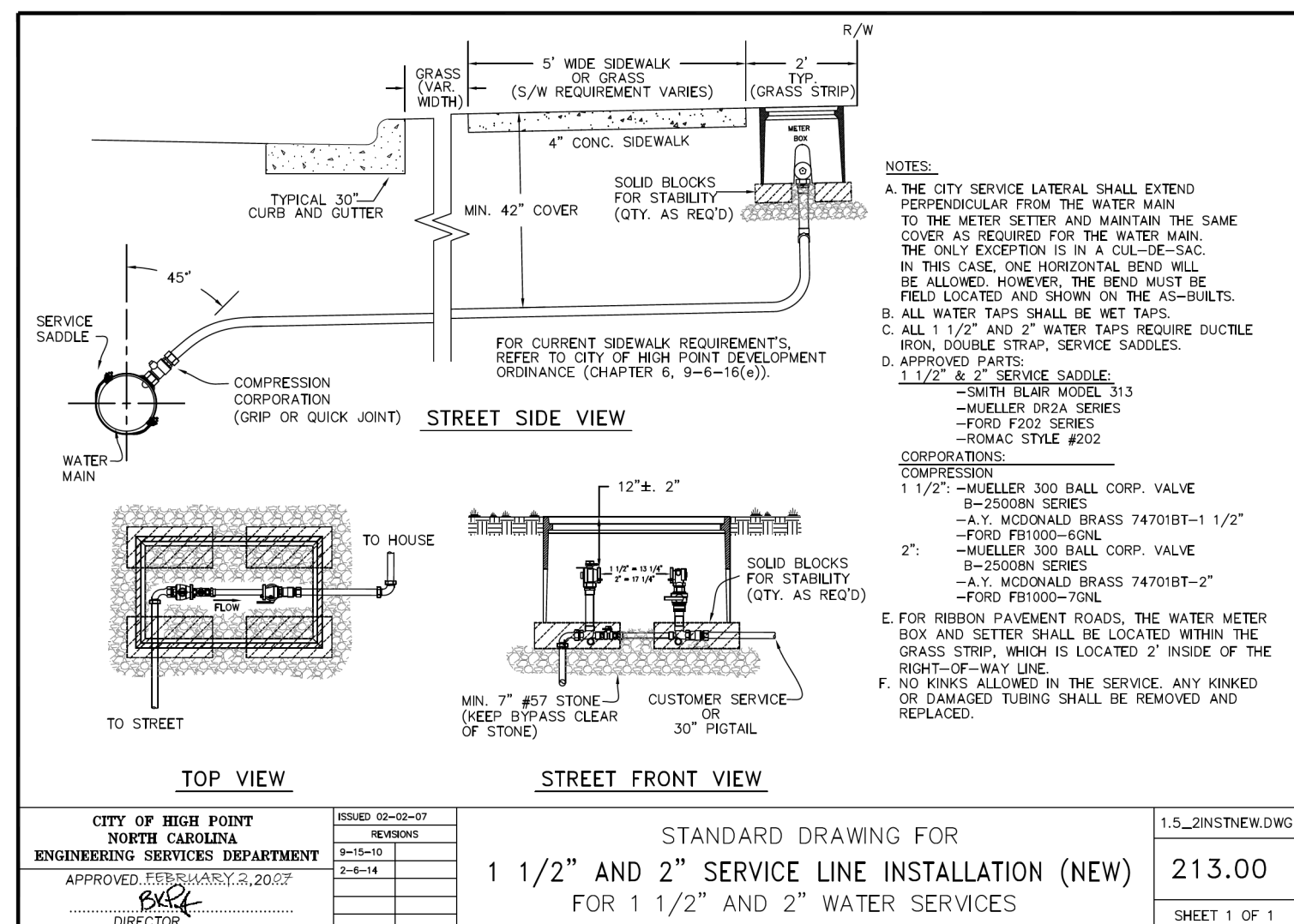
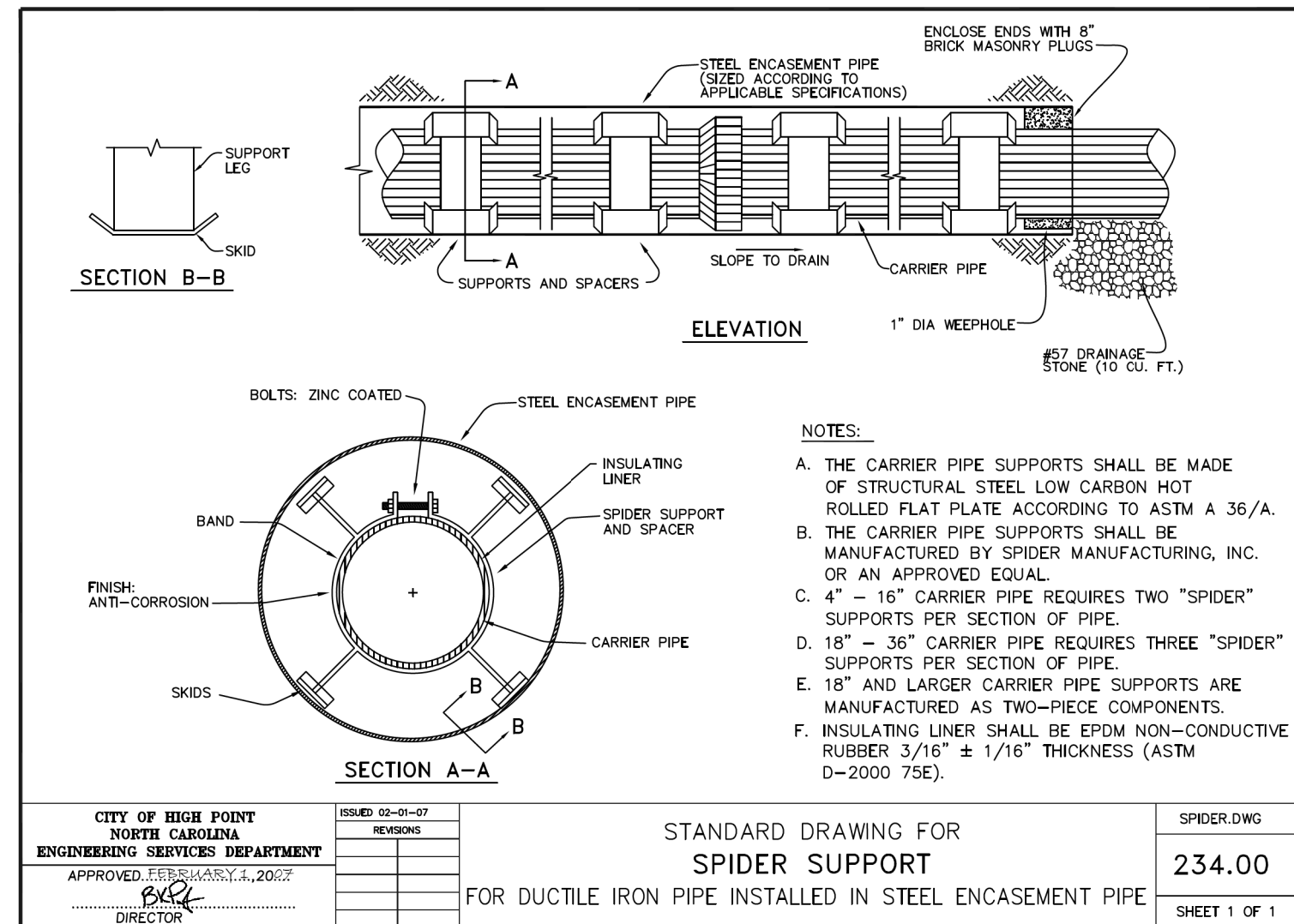
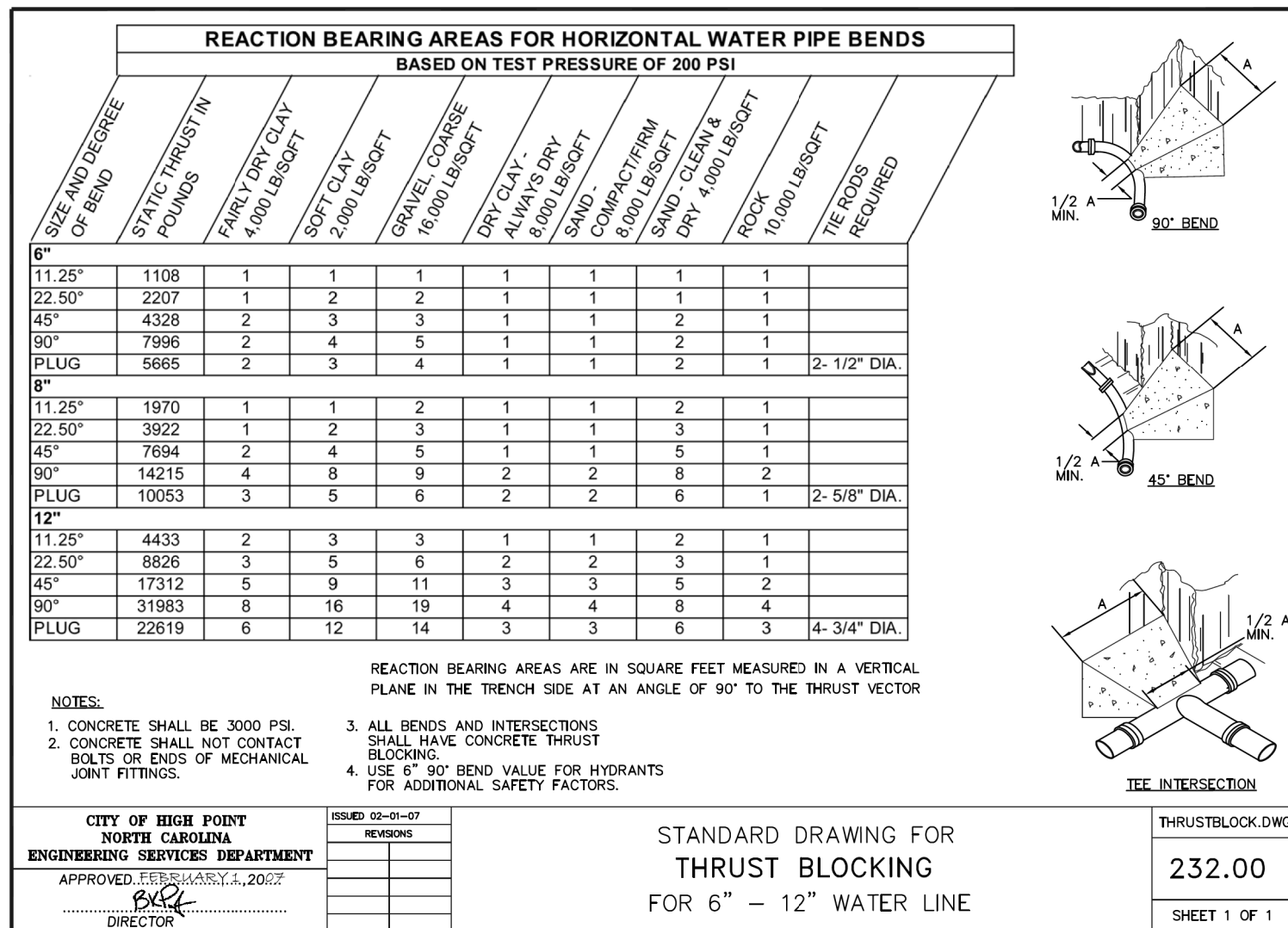
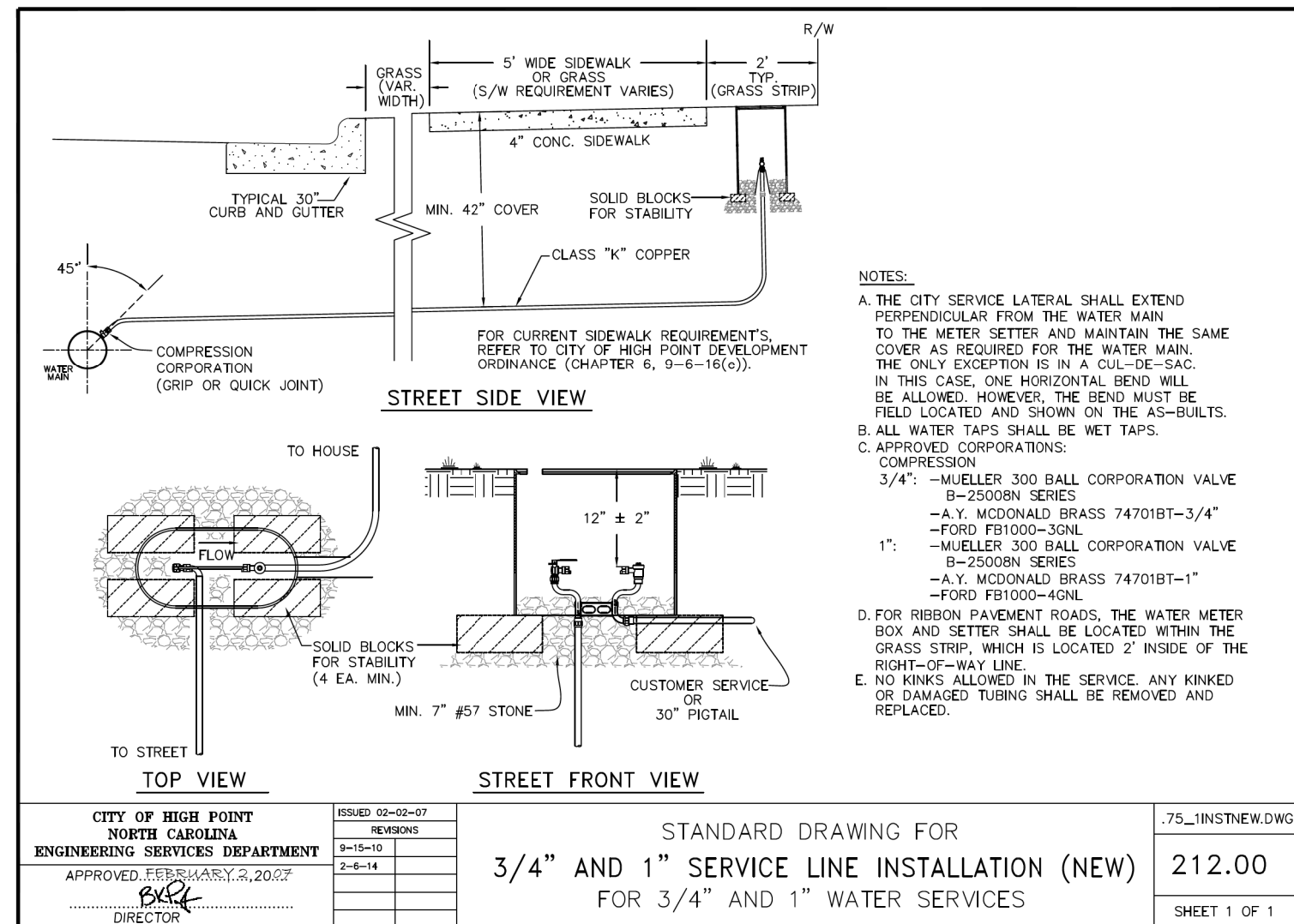
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETEDPRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

PROJECT TYPICAL DETAILS



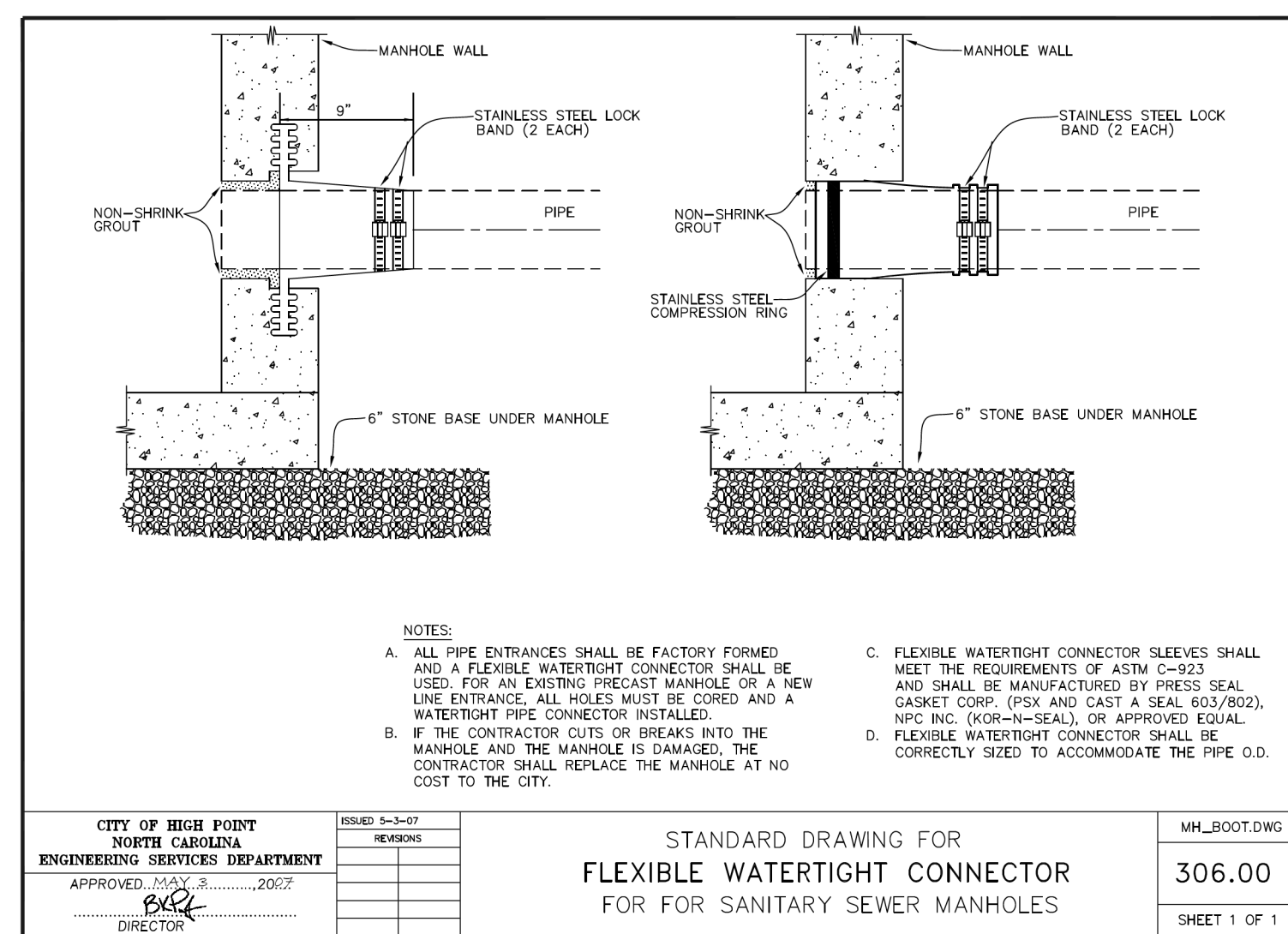
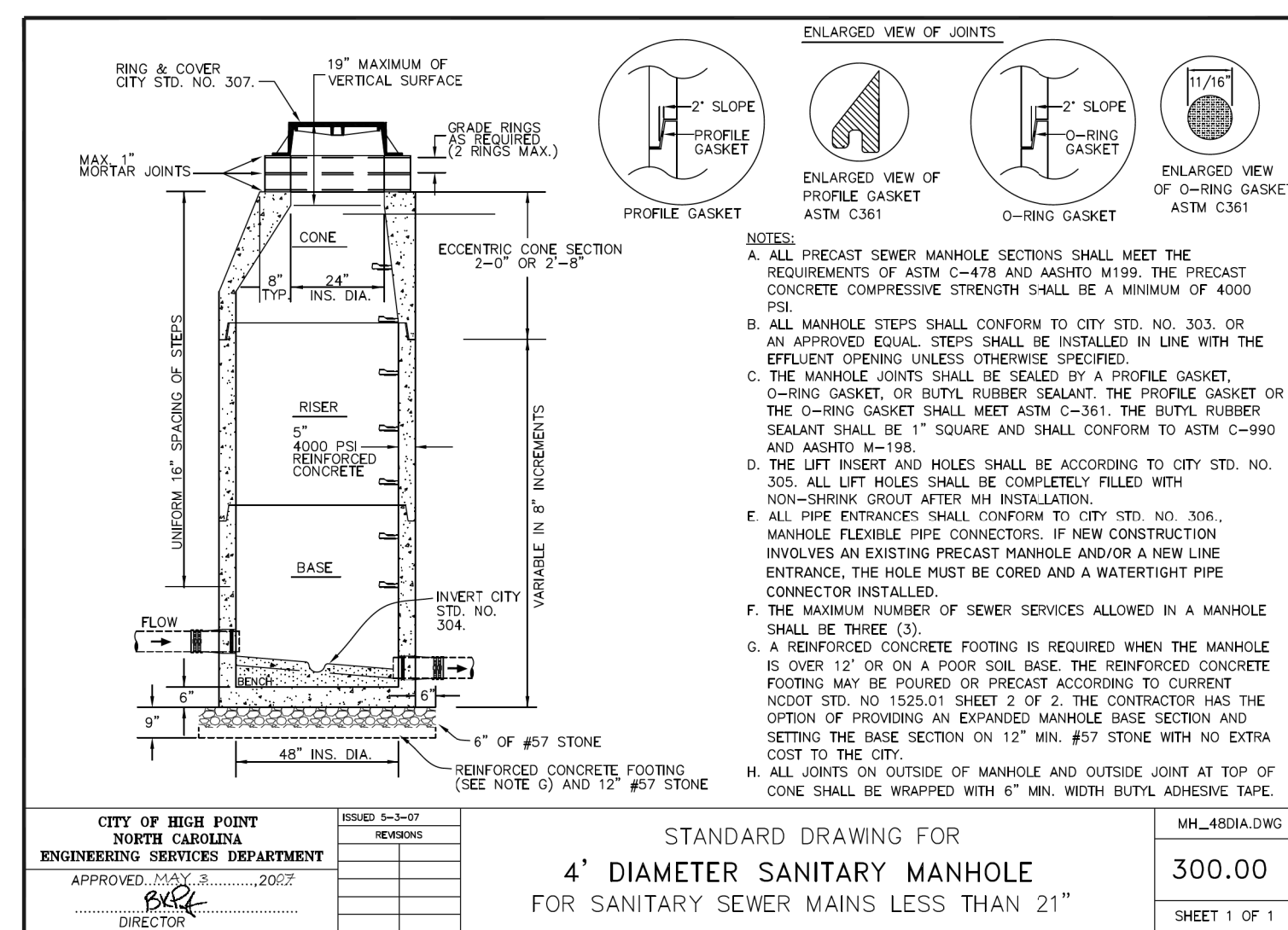
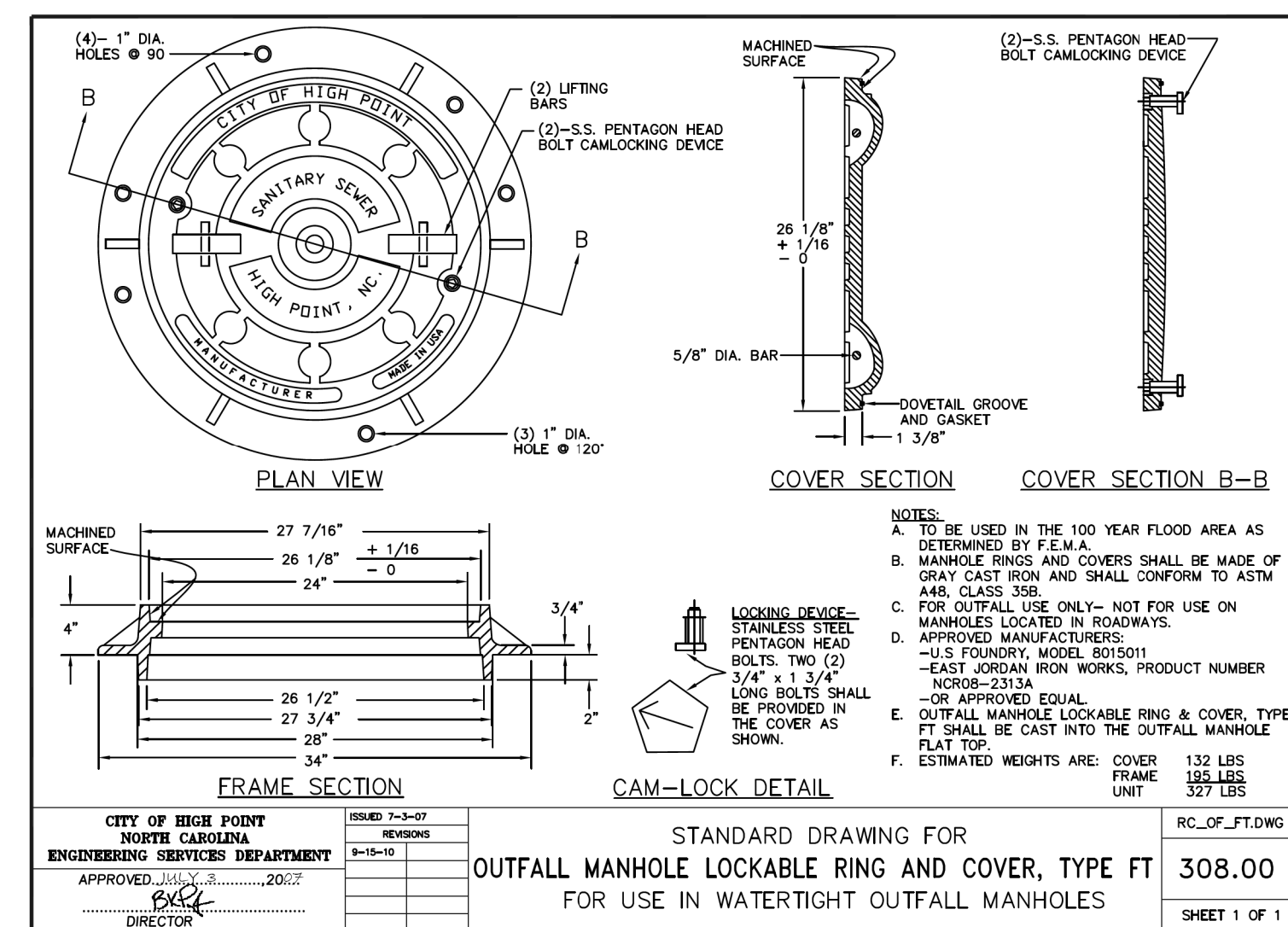
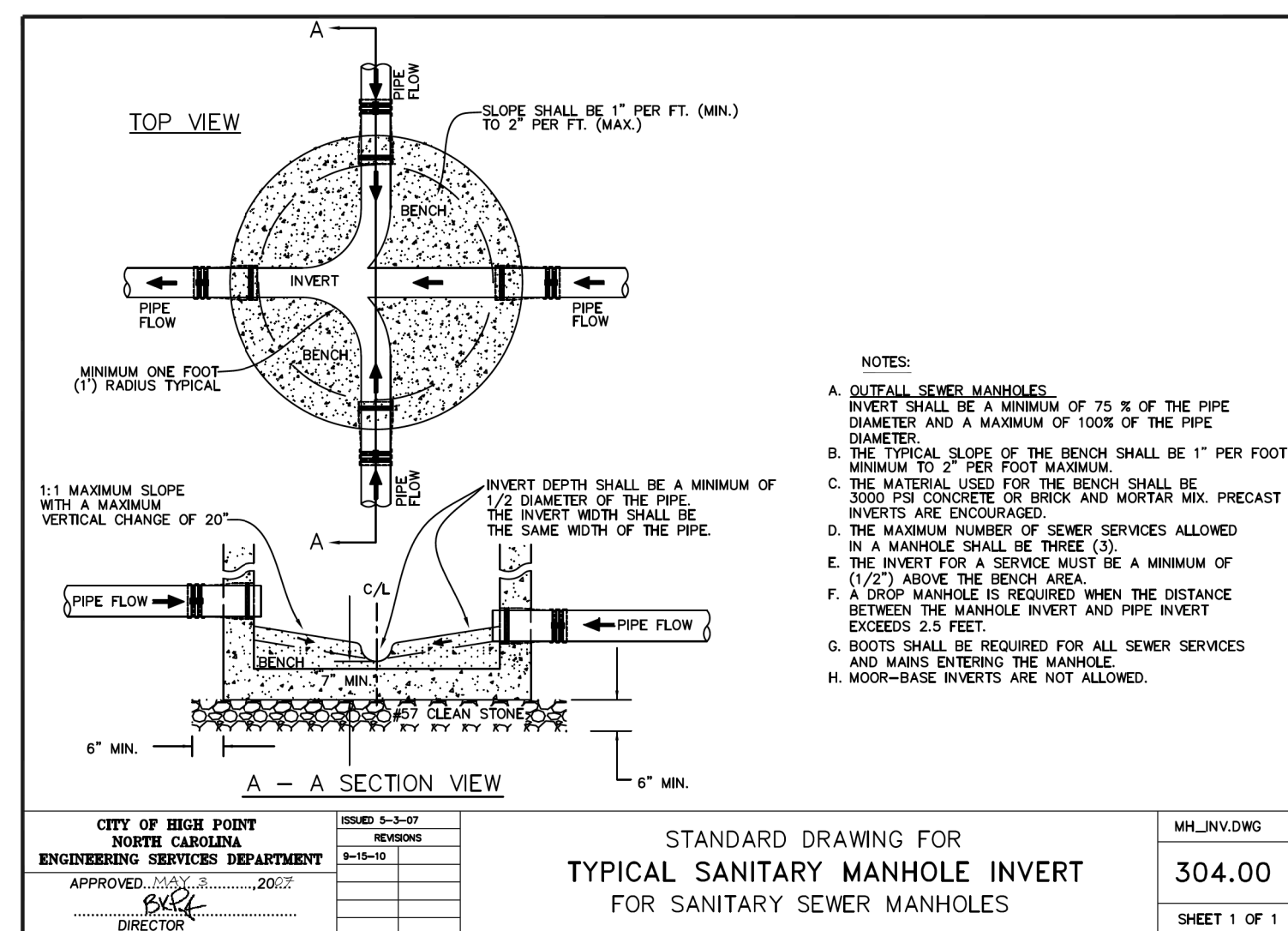
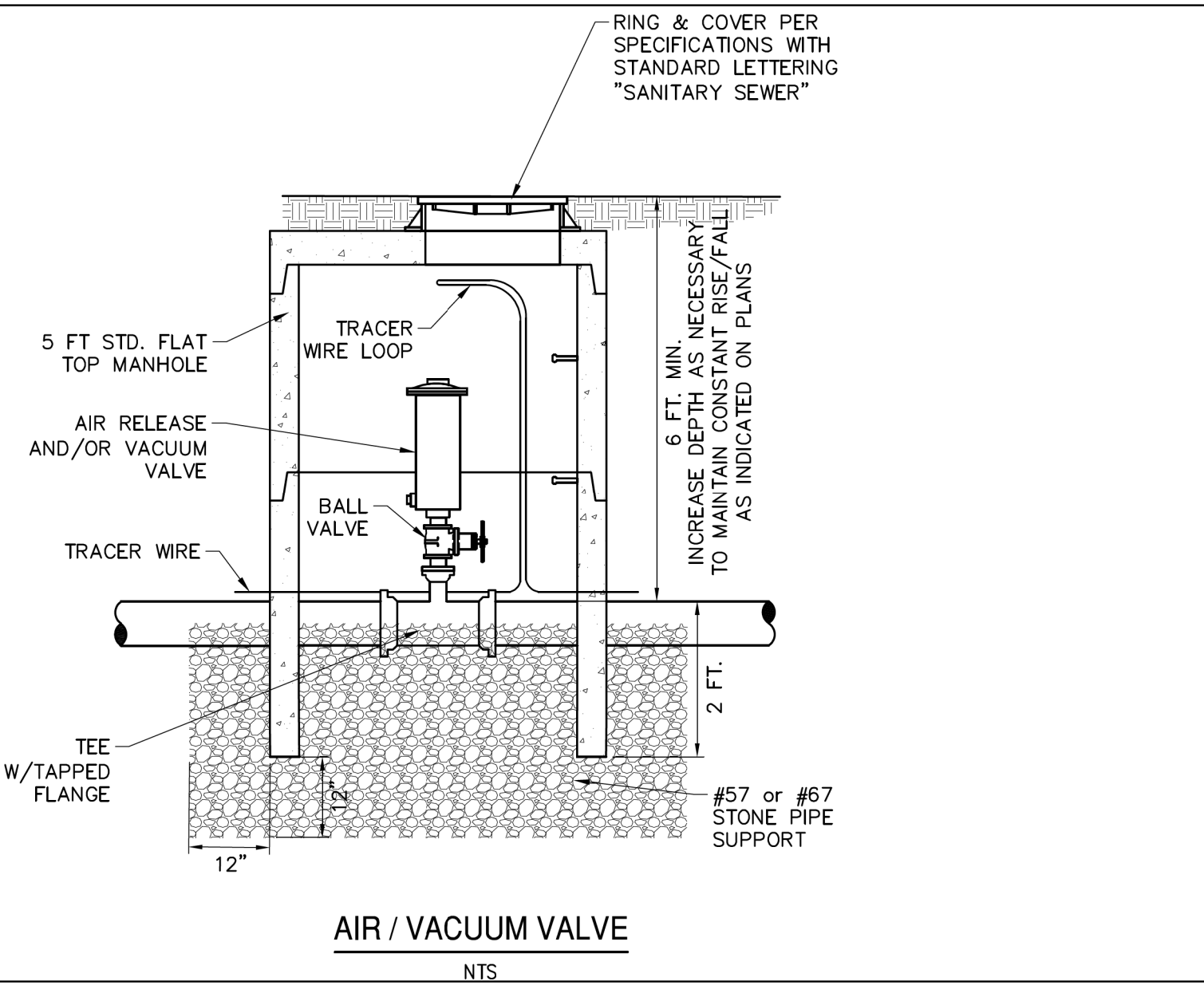
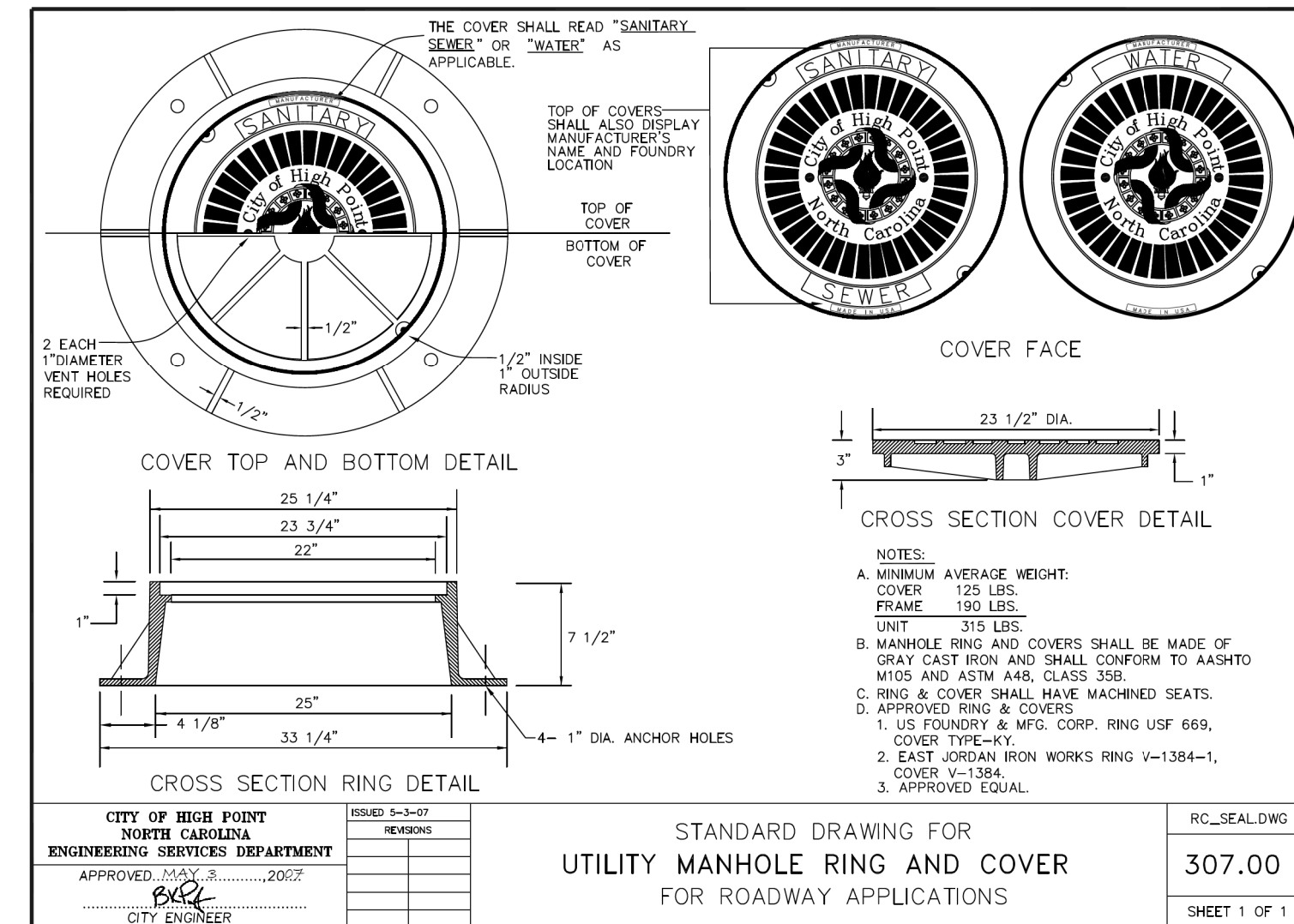
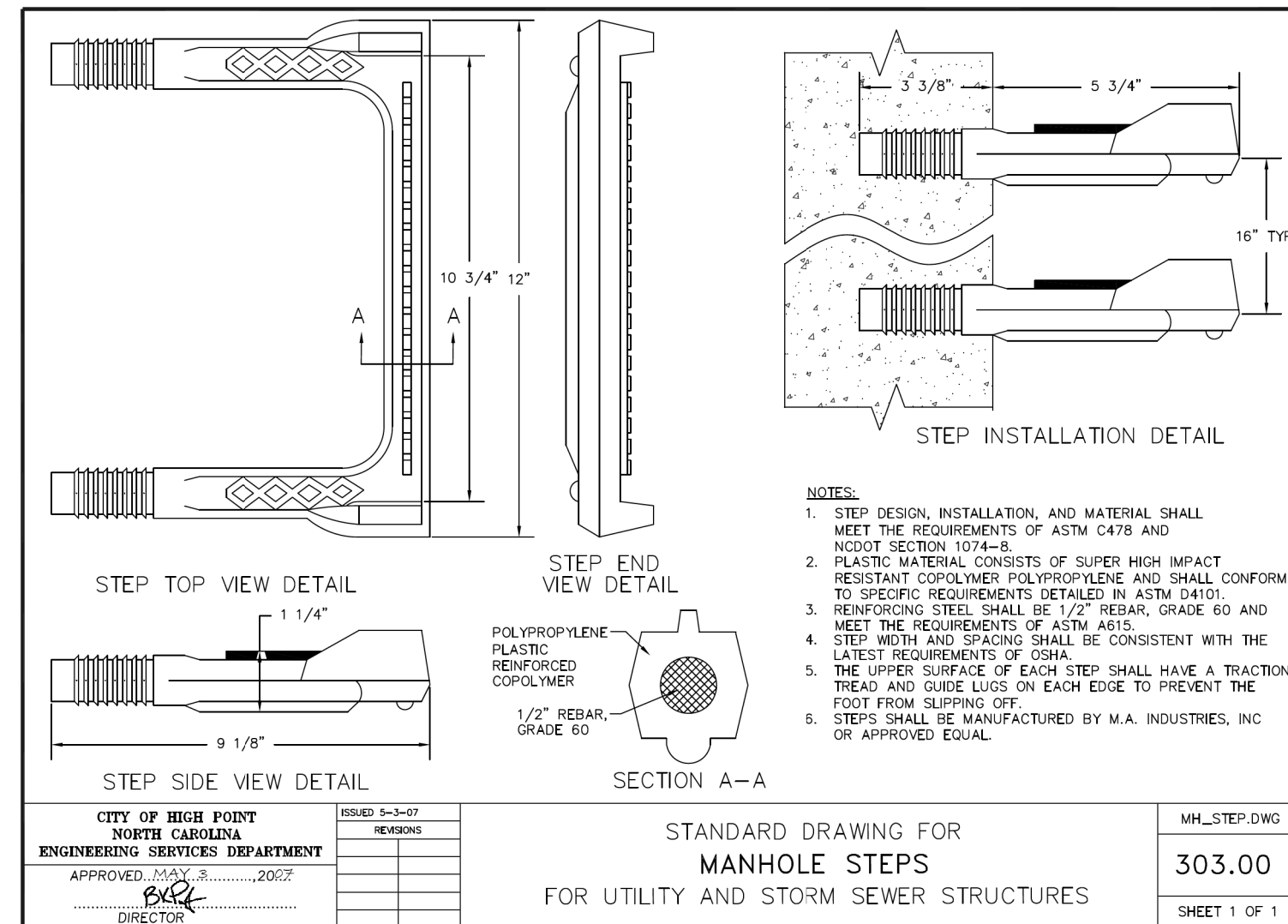
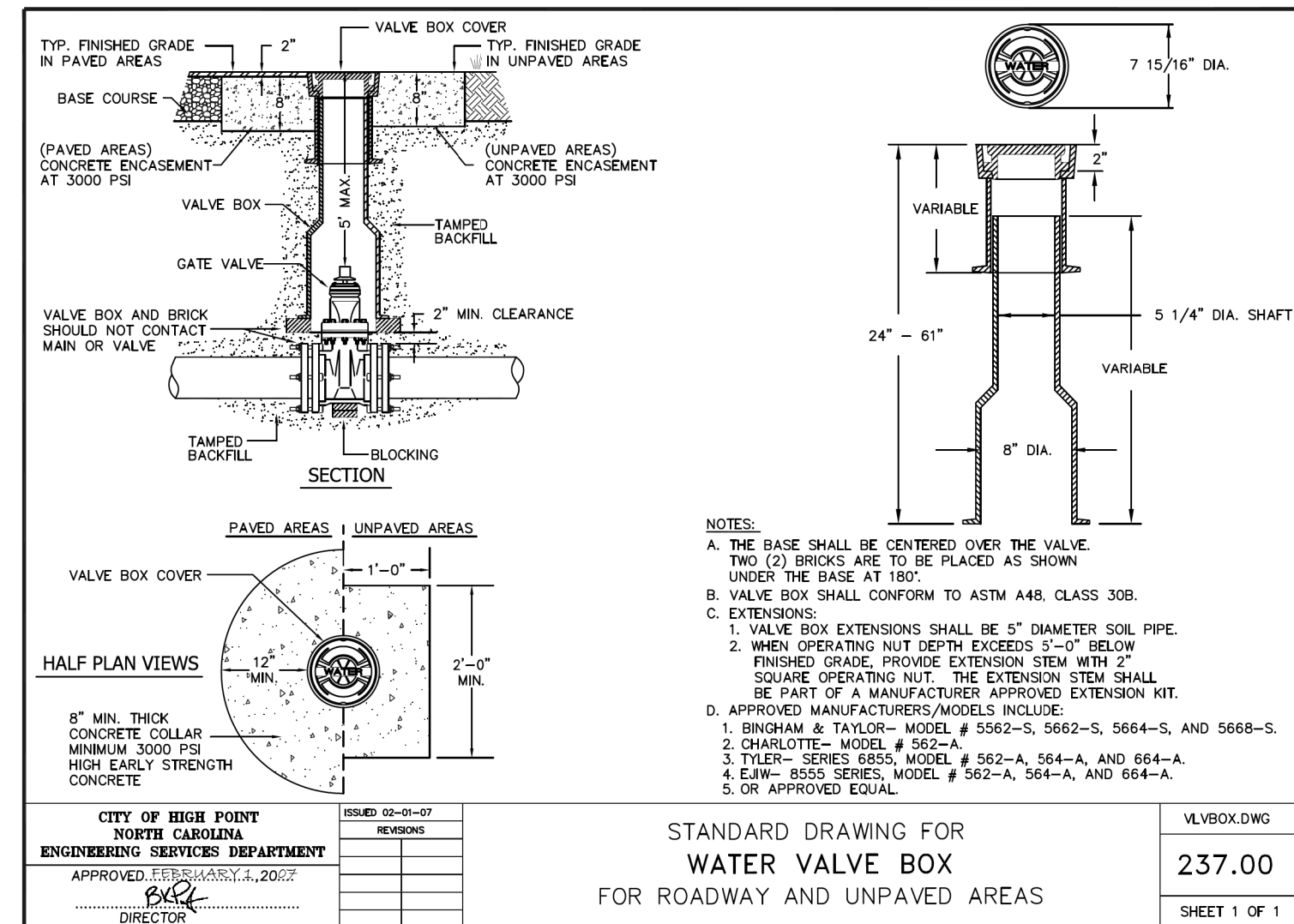
PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-3D
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETEDPRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

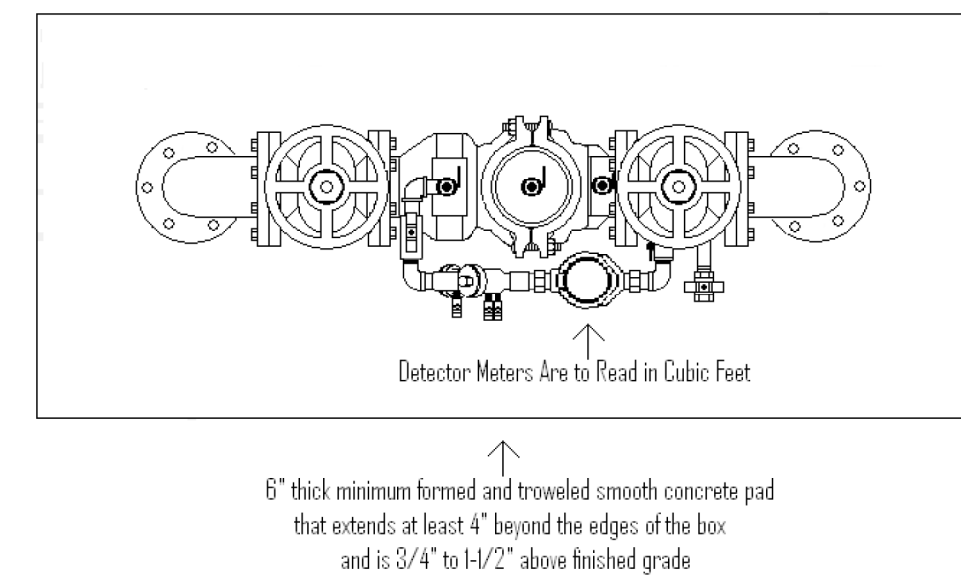
PROJECT TYPICAL DETAILS



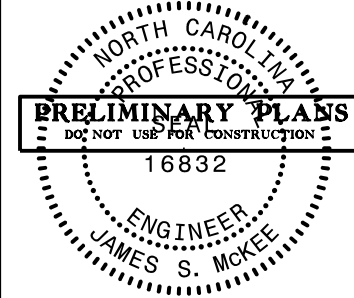
3" to 10" Backflow Prevention Detector Assembly in an Above Ground Box Overhead View

INSTALLATION DRAWING #146 SEPTEMBER 5, 2008 M.T.B.

All Enclosures Must be ASSE 1080 Class II Certified or Greater. All Side Openings Are to Open in Such a Way That the Ends of the Test Cocks Are Openly Exposed for Testing Purposes. All Electrical Outlets Are to be GFCI With Exterior In-Use Covers Located Near One End of the Assembly and Above the Level of the Bottom of the Relief Valve.



PROJECT REFERENCE NO.	SHEET NO.
U-5896	UC-3E
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



UTILITY CONSTRUCTION

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UNLESS ALL SIGNATURES COMPLETED

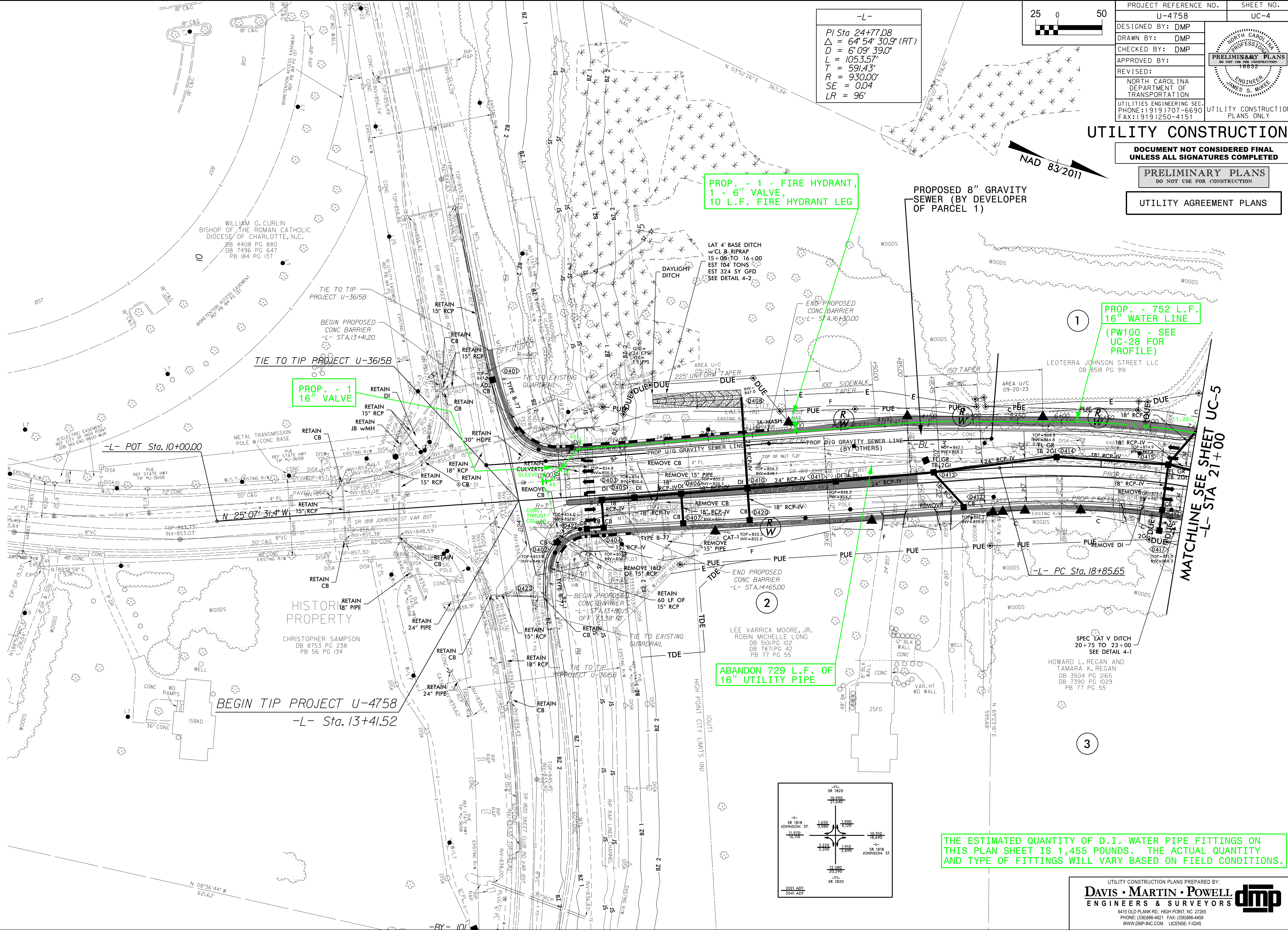
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

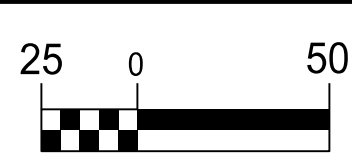
5/14/99

REVISIONS

09-JAN-2025 14:44
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\$\$\$\$SYTIME\$\$\$\$



-L-
PI Sta 24+77.08
 $\Delta = 64^{\circ} 54' 30.9''$ (RT)
 $D = 6' 09.390''$
 $L = 1053.57'$
 $T = 591.43'$
 $R = 930.00'$
 $SE = 0.04$
 $LR = 96'$



UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-4
DESIGNED BY: DMP	PROFESSIONAL SEAL NORTH CAROLINA ENGINEER JAMES S. MOORE 16852
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 1,455 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

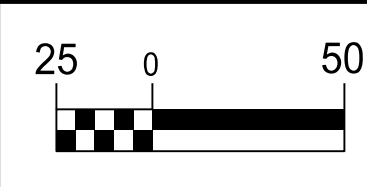
UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS **dmp**
6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

REVISIONS

-Y33-
PI Sta 10+85.22
$\Delta = 9^{\circ} 44' 29.7" (RT)$
$D = 5^{\circ} 43' 46.5"$
$L = 170.02'$
$T = 85.22'$
$R = 1,000.00'$
SE = NC
LR = N/A

-Y34-
PI Sta 12+15.97
$\Delta = 4^{\circ} 19' 52.3" (LT)$
$D = 7^{\circ} 09' 43.1"$
$L = 60.48'$
$T = 30.25'$
$R = 800.00'$
SE = NC
LR = N/A

-L-
PI Sta 24+77.08
$\Delta = 64^{\circ} 54' 30.9" (RT)$
$D = 6^{\circ} 09' 39.0"$
$L = 1053.57'$
$T = 591.43'$
$R = 930.00'$
SE = 0.04
LR = 192'



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-5
DESIGNED BY: DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION NORTH CAROLINA PROFESSIONAL ENGINEER JAMES S. MOORE 16832
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-6
-L- STA 35+00

PROP. -
1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE,
12 L.F. FIRE
HYDRANT LEG
(EX. HYDRANT
LOCATED LEFT
OF STA 22+25
-L-)

PROP. - 379 L.F.
16" WATER LINE
(PW100 - SEE
UC-28 FOR
PROFILE)

ABANDON 365 L.F. OF
16" UTILITY PIPE

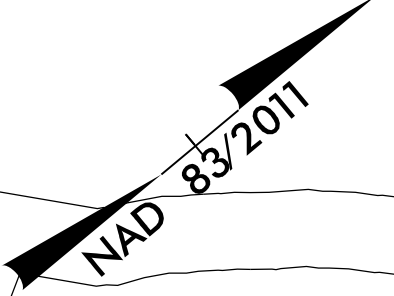
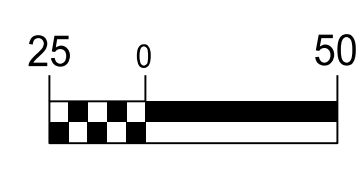
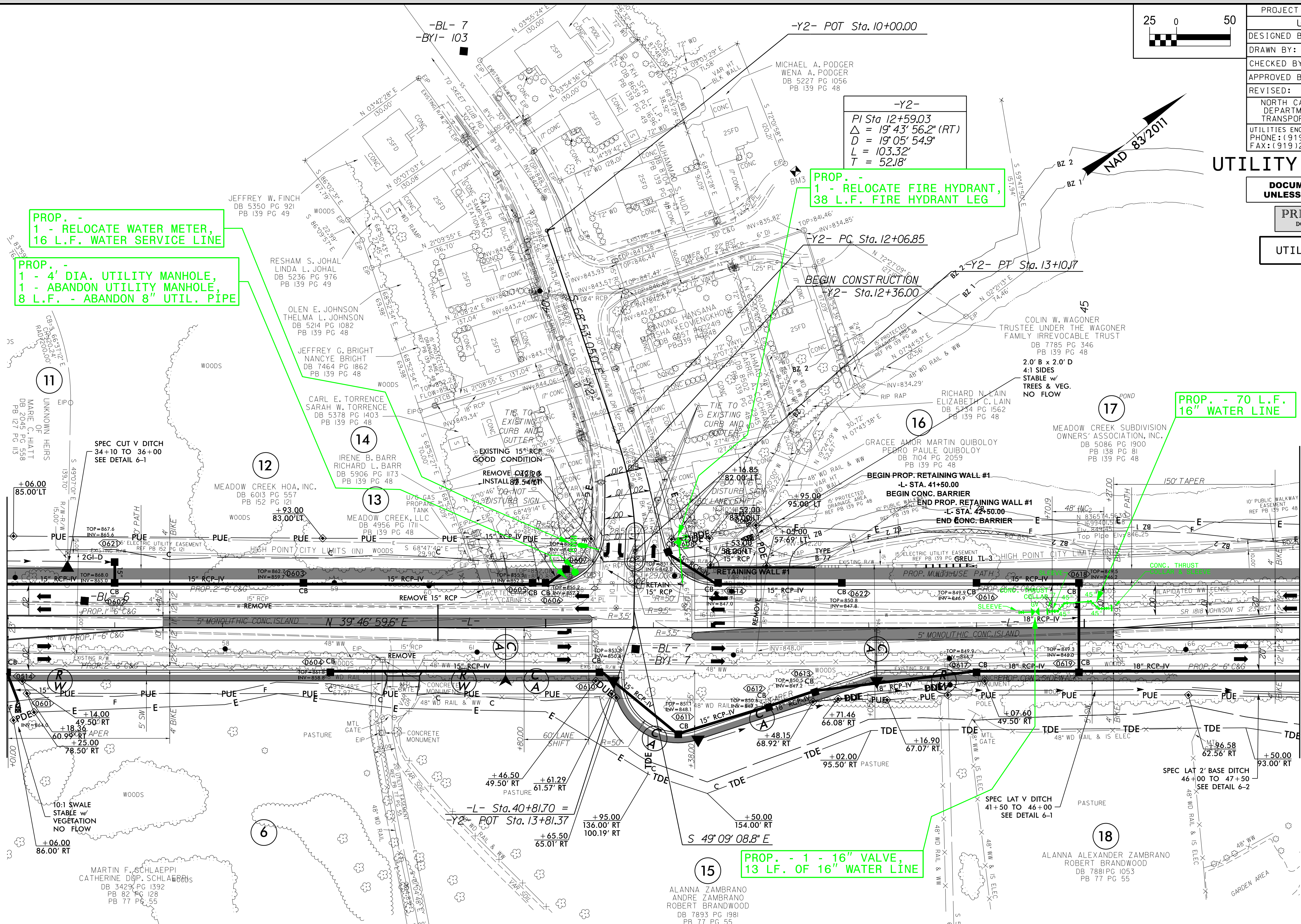
PROP. - 424 L.F.
16" WATER LINE
(PW200 - SEE UC-28
FOR PROFILE)

ABANDON 409 L.F. OF
16" UTILITY PIPE

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 5,375 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

MATCHLINE SEE SHEET UC-5
-L- STA 35+00

MATCHLINE SEE SHEET UC-7
-L- STA 47+00

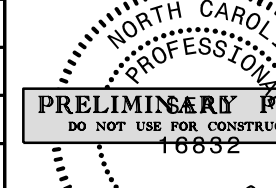


UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-6
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY: DMP		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 2,065 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

UTILITY AGREEMENT PLANS

(PW400 -
SEE UC-29
FOR PROFILE)

CL B RIPRAP
TOE PROTECTION
58+50 TO 60+50
EST 92 TONS
EST 266 SY GFD

ABANDON 365 L.F. 0
16" UTILITY PIPE

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL

ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

dmp

NOTE: ALL AREAS LOCATED WITHIN THIS SHADED AREA ARE OF UNKNOWN JURISDICTION AND SHALL REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION ACTIVITIES.

PROP. - 257 L.F.
16" WATER LINE
(PW300 - SEE
UC-28 FOR
PROFILE)

PROP. -
1 - RELOCATE FIRE HYDRANT
7 L.F. FIRE HYDRANT LEG

-L-	
<i>PI Sta 48+56.55</i>	<i>PI Sta 63+24.10</i>
$\Delta = 7^{\circ}16' 33.9''$ (RT)	$\Delta = 41^{\circ}10' 58.4''$ (LT)
$D = 2^{\circ}51' 53.2''$	$D = 4^{\circ}46' 28.7''$
$L = 253.98'$	$L = 862.53'$
$T = 127.16'$	$T = 450.85'$
$R = 2,000.00'$	$R = 1,200.00'$
$SE = 0.04$	$SE = 0.04$
$LR = 192'$	$LR = 192'$

CL B RIPRAP
TOE PROTECTION
50+50 TO 54+59
EST 181 TONS
EST 523 SY GFD
SEE DETAIL 7-1

ABANDON 251 L.F.
16" UTILITY PIPE

PROP. RECONSTRUCT MANHOLE STRUCTURES
7.4 L.F. (RAISE TOP FROM EL. 814.84'
TO EL. 822.2' +/- USING PRECAST RISE)

-DWAYI-	
<i>P/ Sta 10+57.89</i>	<i>P/ Sta 11+66.60</i>
$\Delta = 30^{\circ} 59' 57.1''$ (LT)	$\Delta = 43^{\circ} 50' 29.2''$ (RT)
<i>D = 286' 28" 44.0"</i>	<i>D = 143' 14" 22.0"</i>
<i>L = 10.82'</i>	<i>L = 30.61'</i>
<i>T = 5.55'</i>	<i>T = 16.10'</i>
<i>R = 20.00'</i>	<i>R = 40.00'</i>

REVISIONS

28
F
MATCHLINE SEE SHEET 00
-1- STA 47+00

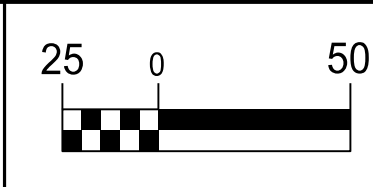
— STA 60+00
MATCHLINE SEE SHEET UC-8

09-JAN-2025 4:48 ps:\u4758\Utilities\Engineering\UC\Proj\U4758.ut-rd-j_UC07.dgn	5/14/99
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5/14/99

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,895 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



NAD 83/2011

PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-8
DESIGNED BY:	DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION ENGINEER JAMES S. MOORE
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:		
REVISED:		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		
UTILITY CONSTRUCTION PLANS ONLY		

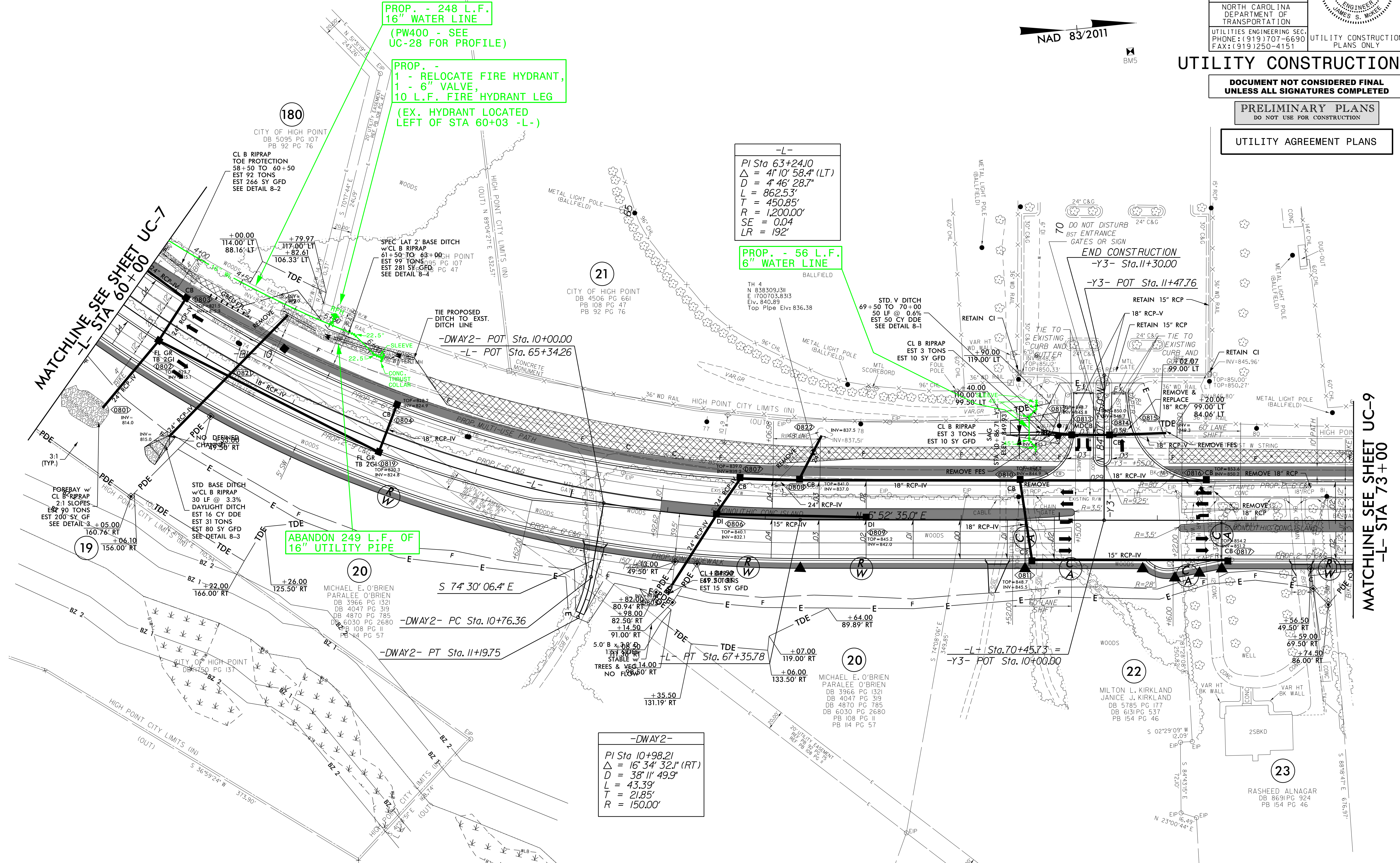
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

REVISIONS



UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD, HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

5/14/99

REVISIONS

09-JAN-2025 14:52
Engineering\UC\Proj\U4758-ut-rd\10_UC10.dgn
\$\$\$\$

MATCHLINE SEE SHEET UC-9
-L- STA 85+00

MATCHLINE SEE SHEET UC-17
-L- STA 97+00

-DWAY6-
PI Sta 10+61.41
 $\Delta = 3' 42'' 20.3''$ (RT)
D = 57' 17' 44.8"
L = 6.47'
T = 3.23'
R = 100.00'

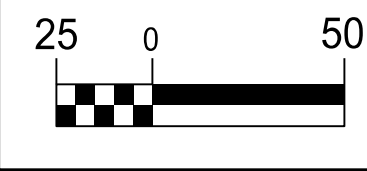
PROP. - 1
16" VALVE

-L-
PI Sta 82+55.54
 $\Delta = 17' 49' 37.3''$ (LT)
D = 3' 10' 59.2"
L = 560.05'
T = 282.31'
R = 1,800.00'
SE = 0.04
LR = 192'

PI Sta 96+41.95
 $\Delta = 33' 35' 56.7''$ (RT)
D = 2' 14' 48.8"
L = 1,495.36'
T = 769.87'
R = 2,550.00'
SE = 0.03
LR = 144'

-Y32-
PI Sta 10+66.02
 $\Delta = 6' 19' 46.4''$ (LT)
D = 14' 19' 26.2"
L = 44.19'
T = 22.12'
R = 400.00'

PROP. - 1
RELOCATE FIRE HYDRANT,
58 L.F. FIRE HYDRANT LEG



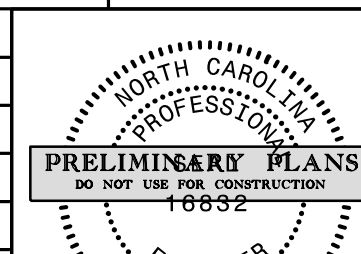
NAD 83/2011

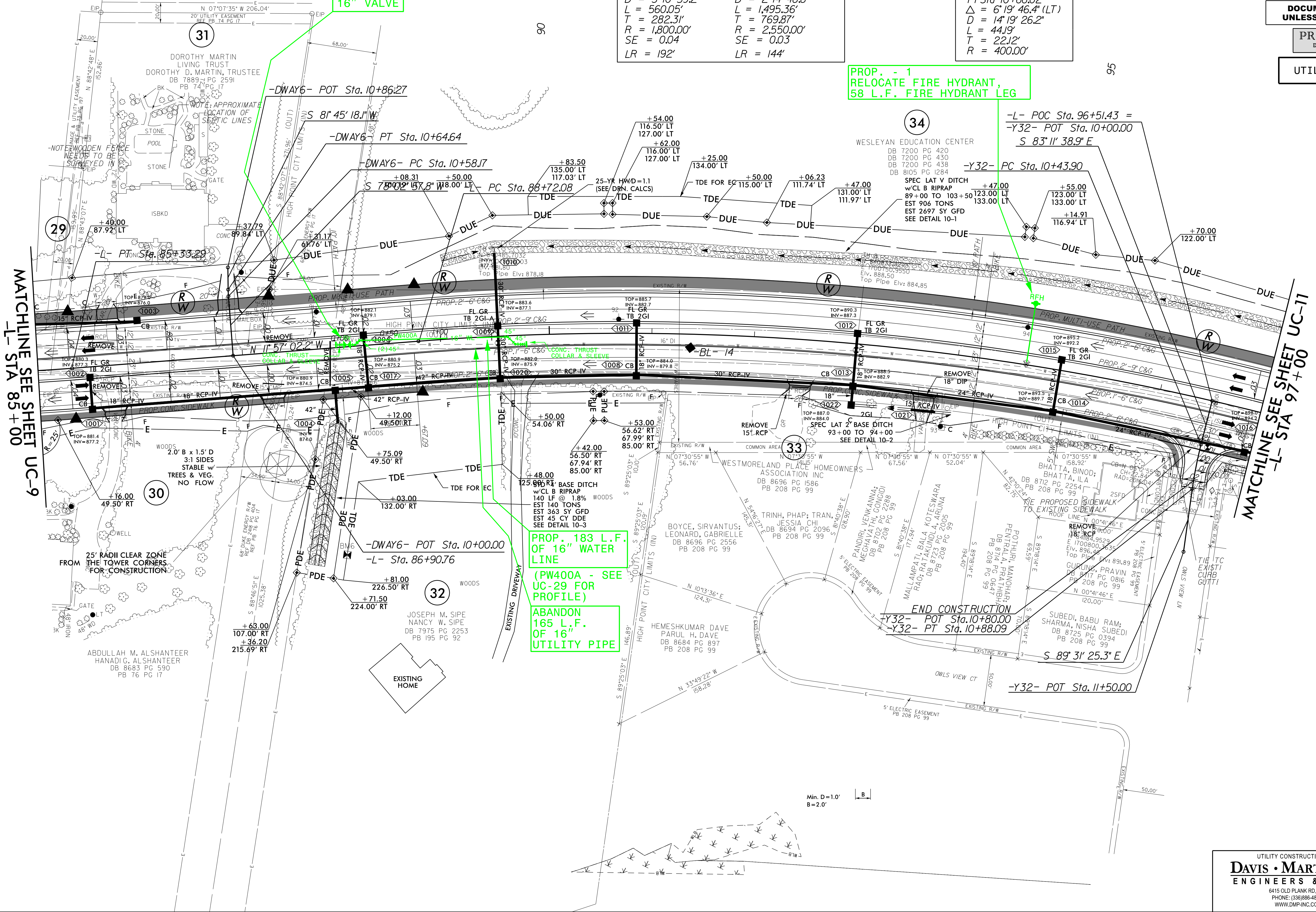
UTILITY CONSTRUCTION

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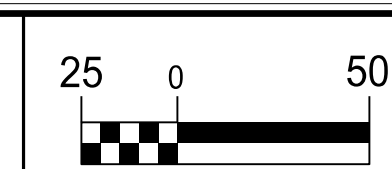
UTILITY AGREEMENT PLANS

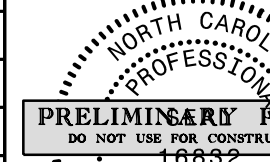
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-10	
DESIGNED BY: DMP		UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			



PROP. 183 L.F.
OF 16" WATER
LINE
(PW400A - SEE
UC-29 FOR
PROFILE)
ABANDON
165 L.F.
OF 16"
UTILITY PIPE

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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-11
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
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UTILITY AGREEMENT PLANS

45

MATCHLINE SEE SHEET UC-12
-L- STA 110+00

43

-Y30-
PI Sta 12+23.65
Δ = 5' 37" 40.8" (LT)
D = 10' 25' 02.7"
L = 540.2'
T = 27.03'
R = 550.00'

-L-	
PI Sta 96+41.95 Δ = 3' 35' 56.7" (RT) D = 2' 14' 48.8" L = 1,495.36' T = 769.87' R = 2,550.00' SE = 0.03 LR = 144'	PI Sta 106+73.36 Δ = 20' 24' 12.1" (RT) D = 3' 22' 13.2" L = 605.38' T = 305.93' R = 1,700.00' SE = 0.04 LR = 192'

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,315 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
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PROP. - 326 L.F.
OF 12" WATER LINE
(PW501 - SEE
UC-30 FOR PROFILE)

PROP. - 1 - 16" VALVE,
1 - 16" LINE STOP,
13 L.F. OF 16" WATER LINE

PROP. - 1 - 16" VALVE
1 - 12" VALVE
16" X 12" CROSS

PROP. - 191 L.F.
OF 16" WATER LINE
(PW500 - SEE
UC-29 FOR PROFILE)

PROP. - 50 L.F.
OF 16" WATER LINE

PROP. - 1 - RELOCATE FIRE HYDRANT,
1 - 6" VALVE, 21 L.F. FIRE
HYDRANT LEG

ABANDON 229 L.F. OF
16" UTILITY PIPE

ABANDON 129 L.F.
OF 12" UTILITY
PIPE

PROP. - 26 L.F.
OF 16" WATER LINE
(PW600 - SEE
UC-30 FOR PROFILE)

MATCHLINE SEE SHEET UC-10
-L- STA 97+00

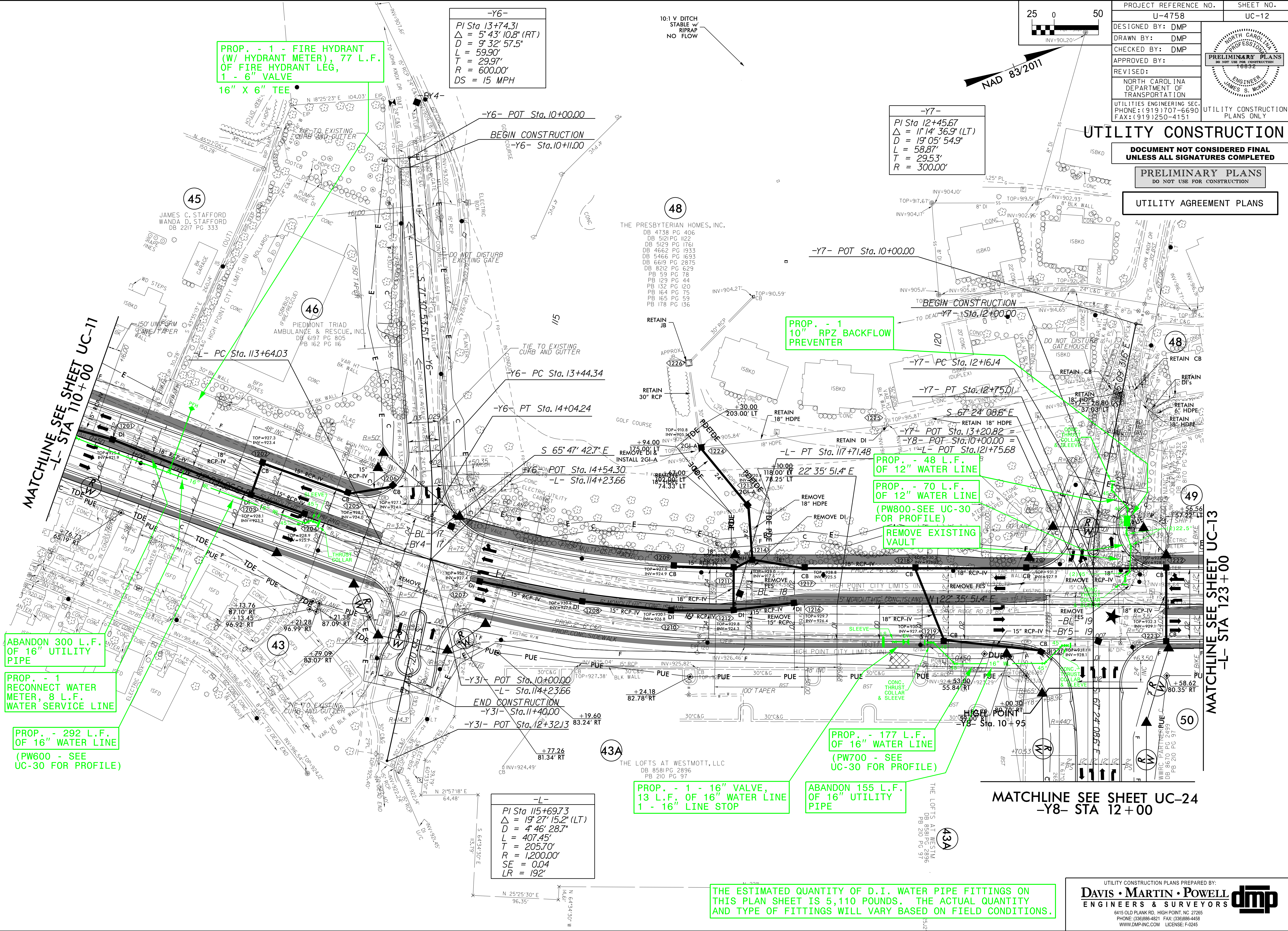
REVISIONS

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REVISIONS

09-JAN-2025, 14:58
Engineering\UC\ProJ\U4758-ut-rd\12-UC12.dgn
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	PROJECT REFERENCE NO.		SHEET NO.
	U-4758		UC-13
	DESIGNED BY: DMP		
	DRAWN BY: DMP		
	CHECKED BY: DMP		
	APPROVED BY:		
	REVISED:		
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-14
-L- STA 136+00

PROP. - 1 - 16" VALVE,
13 L.F. OF 16" WATER
LINE, 1 - 16" LINE STOP

PROP. - 279 L.F.
OF 16" WATER LINE
(PW1000 - SEE
UC-30 FOR PROFILE)

PROP. - 122 L.F.
OF 16" WATER LINE

(PW1000 - SEE
UC-30 FOR
PROFILE)

ABANDON 475
L.F. OF 16"
UTILITY PIPE

PROP. - 1 - RELOCATE FIRE HYDRANT,
1 - 6" TAPPING SLEEVE & VALVE,
13 L.F. FIRE HYDRANT LEG

-Y26-	
$PI\ Sta\ 14+09.63$	$PI\ Sta\ 16+60.42$
$\Delta = 13^{\circ} 09' 55.5" (RT)$	$\Delta = 58^{\circ} 14' 32.2" (RT)$
$D = 5^{\circ} 52' 35.4"$	$D = 22^{\circ} 55' 05.9"$
$L = 224.04'$	$L = 254.13'$
$T = 112.51'$	$T = 139.27'$
$R = 975.00'$	$R = 250.00'$
$SE = 0.05$	$SE = 0.06$
$LR = 105'$	$DS = 30\ MPH$
	$LR = 126'$

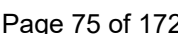
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DAVIS • MARTIN • POWELL

ENGINEERS & SURVEYORS

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PHONE: (336)886-4821 FAX: (336)886-4458
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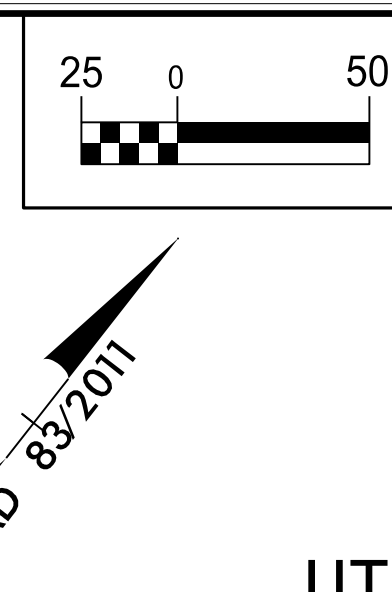
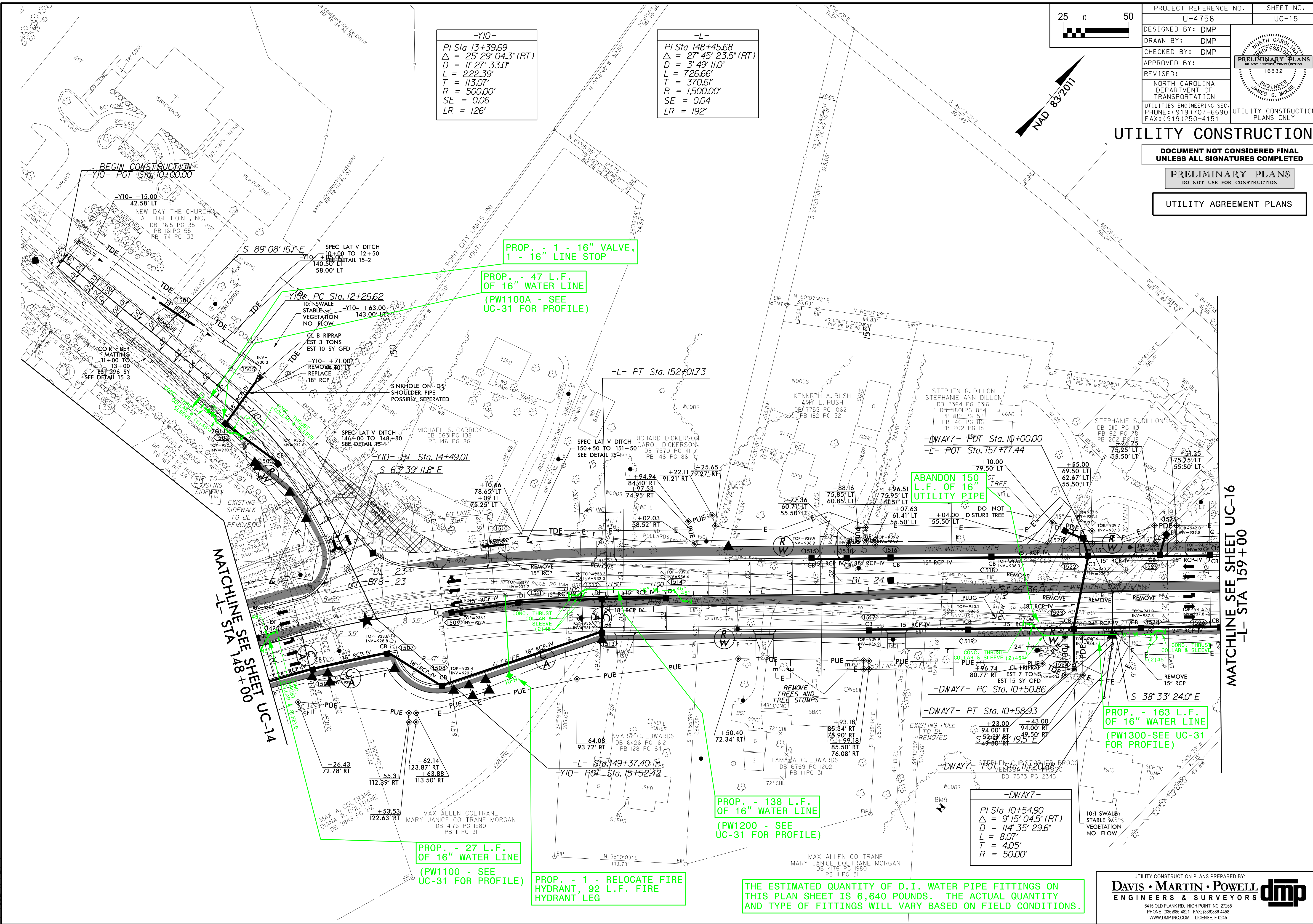
The logo for Davis Martin Powell (DMP) features the lowercase letters 'dmp' in a bold, stylized, sans-serif font. The letters are black and have a modern, geometric feel. The 'd' and 'm' are connected, and the 'p' is slightly separated. The logo is positioned to the right of the company name and contact information.

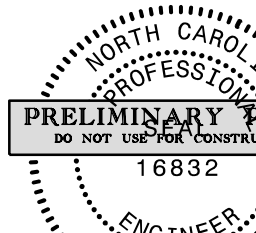


5/14/98

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09-JAN-2025 15:08
Engineering\UC\ProJ\U4758-ut-rdy15_UC15.dgn
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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-15
DESIGNED BY: DMP		UTILITY CONSTRUCTION PLANS ONLY
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CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
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UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

UTILITY CONSTRUCTION

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MATCHLINE SEE SHEET UC-16
-L- STA 159+00

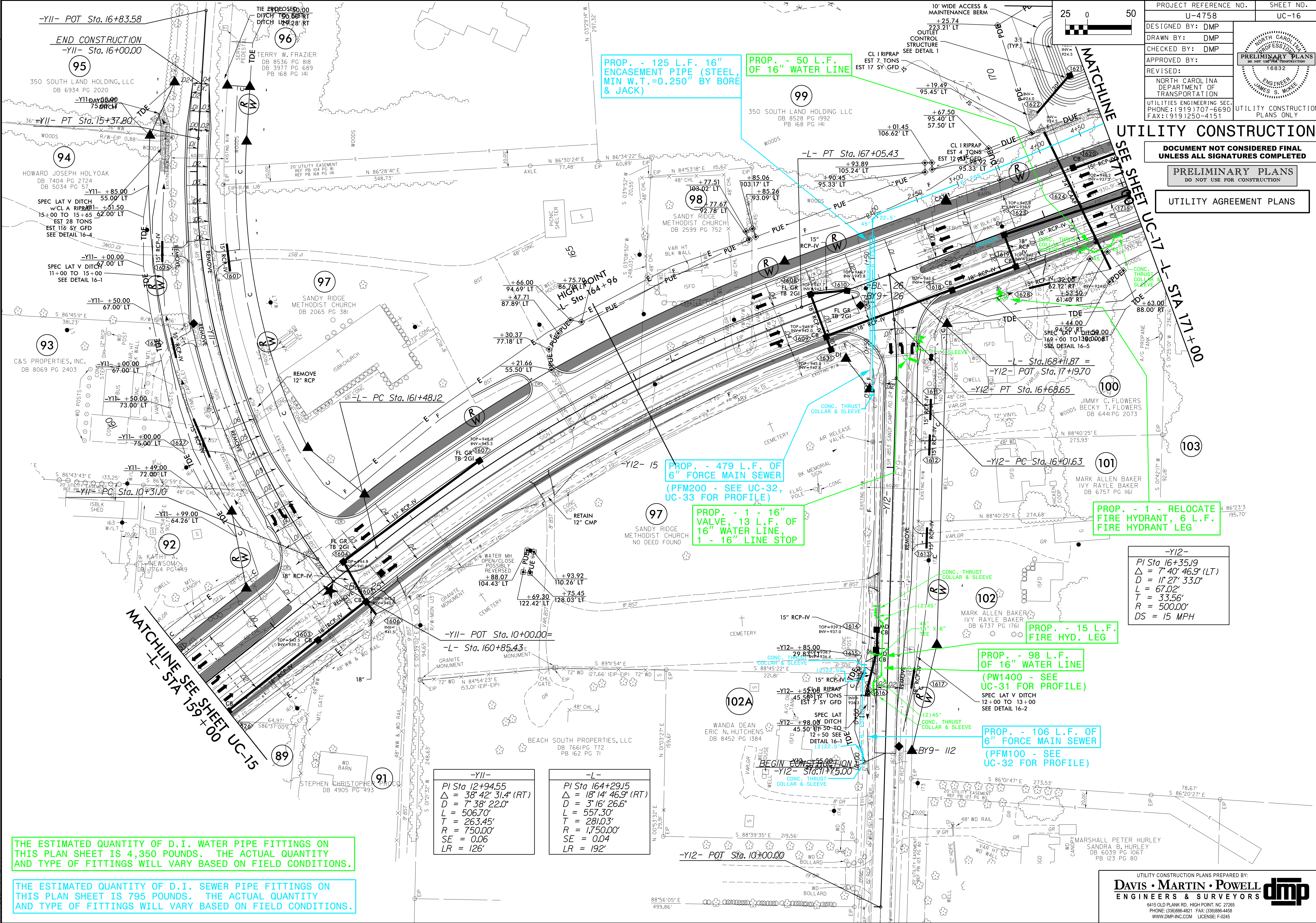
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,640 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
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ENGINEERS & SURVEYORS

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PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

5/14/2025 15:09
Engineering\UC-Proj\U4758-ut-rd\16-UC16.dgn
09-14758-UC16.dgn

REVISIONS

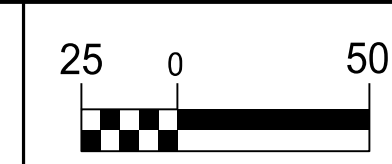


THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4,350 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 795 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-Y11-
PI Sta 12+94.55
Δ = 38° 42' 31.4" (RT)
D = 7° 38' 22.0"
L = 506.70'
T = 263.45'
R = 750.00'
SE = 0.06
LR = 126'

-L-
PI Sta 164+29.15
Δ = 18° 14' 46.9" (RT)
D = 3° 16' 26.6"
L = 557.30'
T = 281.03'
R = 1,750.00'
SE = 0.04
LR = 192'



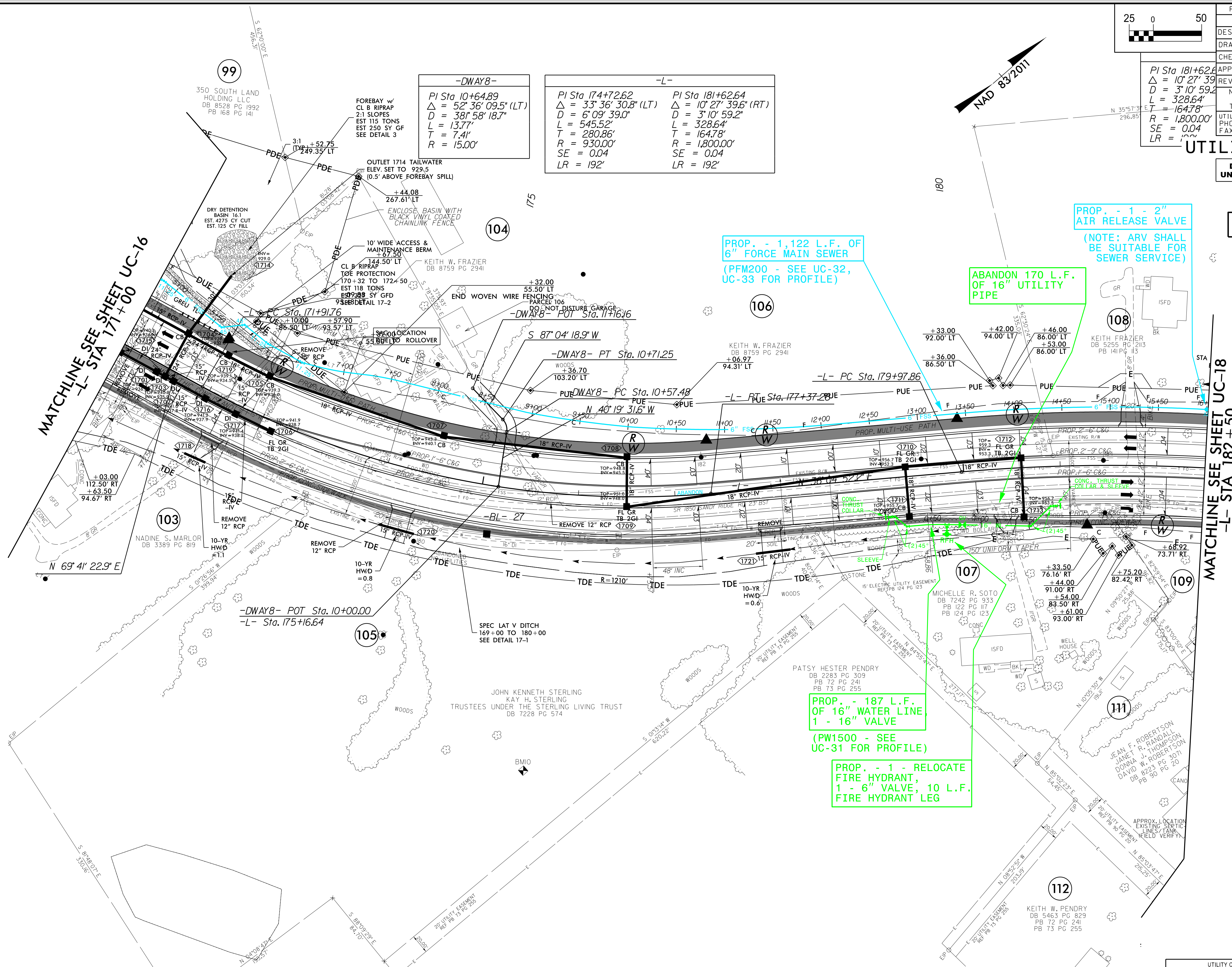
PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-17
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

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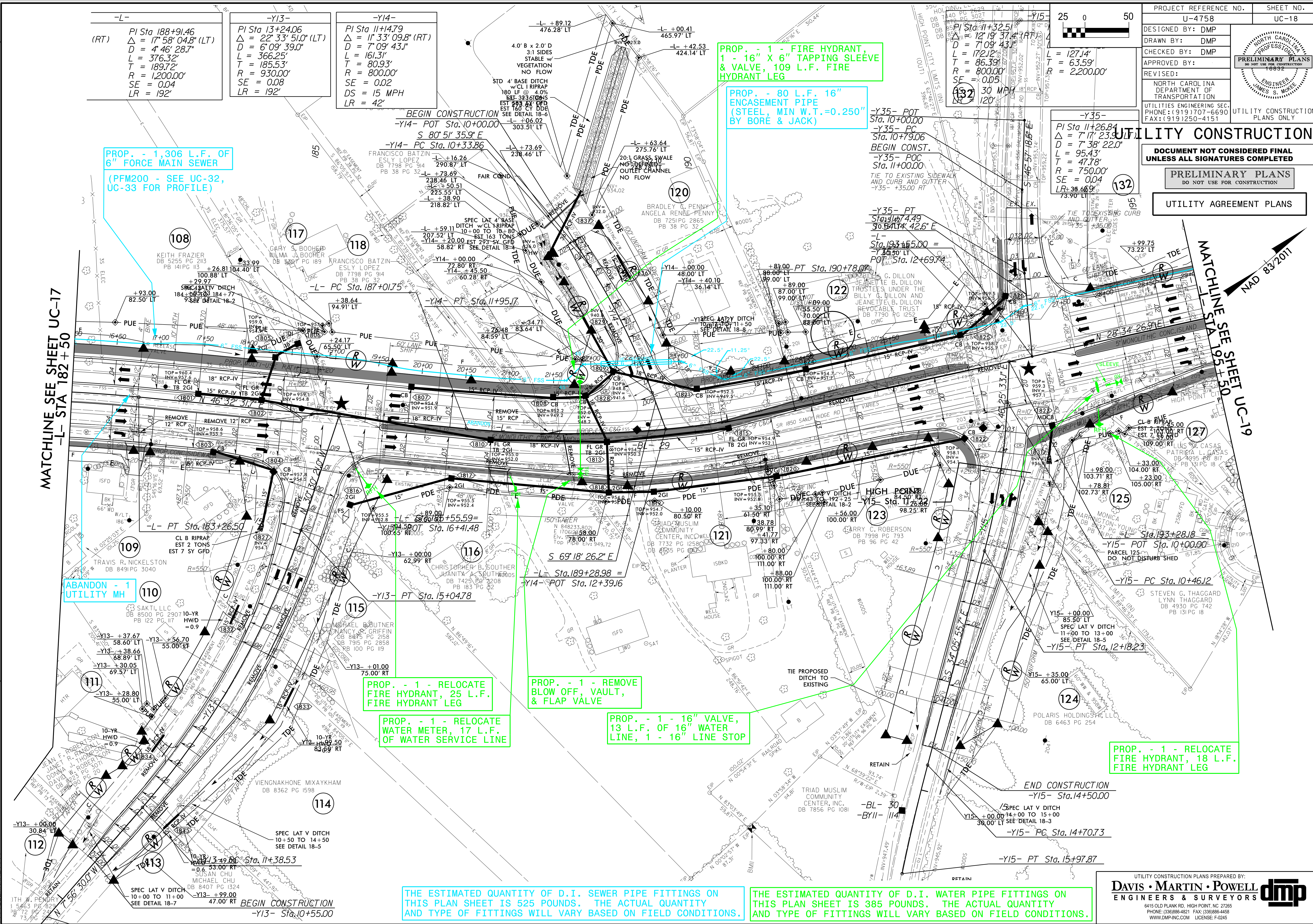
UTILITY AGREEMENT PLANS



THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 300 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,370 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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-L-
(RT) PI Sta 188+91.46
 $\Delta = 17^{\circ} 58' 04.8"$ (LT)
D = 4' 46" 28.7"
L = 376.32'
T = 189.72'
R = 1,200.00'
SE = 0.04
LR = 192'

-Y13-
PI Sta 13+24.06
 $\Delta = 22^{\circ} 33' 51.0"$ (LT)
D = 6' 09" 39.0"
L = 366.25'
T = 185.53'
R = 930.00'
SE = 0.08
LR = 192'

-Y14-
PI Sta 11+47.9
 $\Delta = 11^{\circ} 33' 09.8"$ (RT)
D = 7' 09" 43.1"
L = 161.31'
T = 80.93'
R = 800.00'
SE = 0.02
DS = 15 MPH
LR = 42'

PROP. - 1 - FIRE HYDRANT,
1 - 16" X 6" TAPPING SLEEVE
& VALVE, 109 L.F. FIRE
HYDRANT LEG

PROP. - 80 L.F. 16"
ENCASEMENT PIPE
(STEEL, MIN W.T.=0.250"
BY BORE & JACK)

PROP. - 1,306 L.F. OF
6" FORCE MAIN SEWER
(PFM200 - SEE UC-32,
UC-33 FOR PROFILE)

-Y35-
PI Sta 11+26.84
 $\Delta = 7^{\circ} 17' 23.0"$
D = 7' 38" 22.0"
L = 95.43'
T = 47.78'
R = 750.00'
SE = 0.04
LR = 192'

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THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON
THIS PLAN SHEET IS 525 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 385 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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MATCHLINE SEE SHEET UC-18
-L- STA 195+50

MATCHLINE SEE SHEET UC-20
-L- STA 207+00

PROP. - 1 - RELOCATE
FIRE HYDRANT, 68 L.F.
FIRE HYDRANT LEG

PROP. - 1,135 L.F. OF
6" FORCE MAIN SEWER
(PFM200 - SEE UC-32,
UC-33 FOR PROFILE)

PROP. - 1 - 2"
AIR RELEASE VALVE
(NOTE: ARV SHALL
BE SUITABLE FOR
SEWER SERVICE)

PROP. - 1 - RELOCATE
WATER METER, 93 L.F.
OF WATER SERVICE LINE
(CONTRACTOR TO
LOCATE EXISTING
METER)

-L-
PI Sta 213+08.94
$\Delta = 6^{\circ} 32' 27.0''$ (LT)
$D = 3^{\circ} 22' 13.2''$
$L = 1,825.95'$
$T = 1,012.21'$
$R = 1,700.00'$
$SE = 0.04$
$LR = 192'$

PROP. 50 L.F.
OF 16" WATER
LINE

-Y16-
<i>Pl Sta 12+48.30</i> $\Delta = 6^{\circ} 06' 17.6''$ (LT) $D = 7^{\circ} 09' 43.1''$ $L = 85.24'$ $T = 42.66'$ $R = 800.00'$

-DWAY10-
<i>PI Sta 10+62.01</i> $\Delta = 30^\circ 43' 05.3" (LT)$ $D = 286^\circ 28' 44.0"$ $L = 10.72'$ $T = 5.49'$ $R = 20.00'$

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 150 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,980 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
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ENGINEERS & SURVEYORS

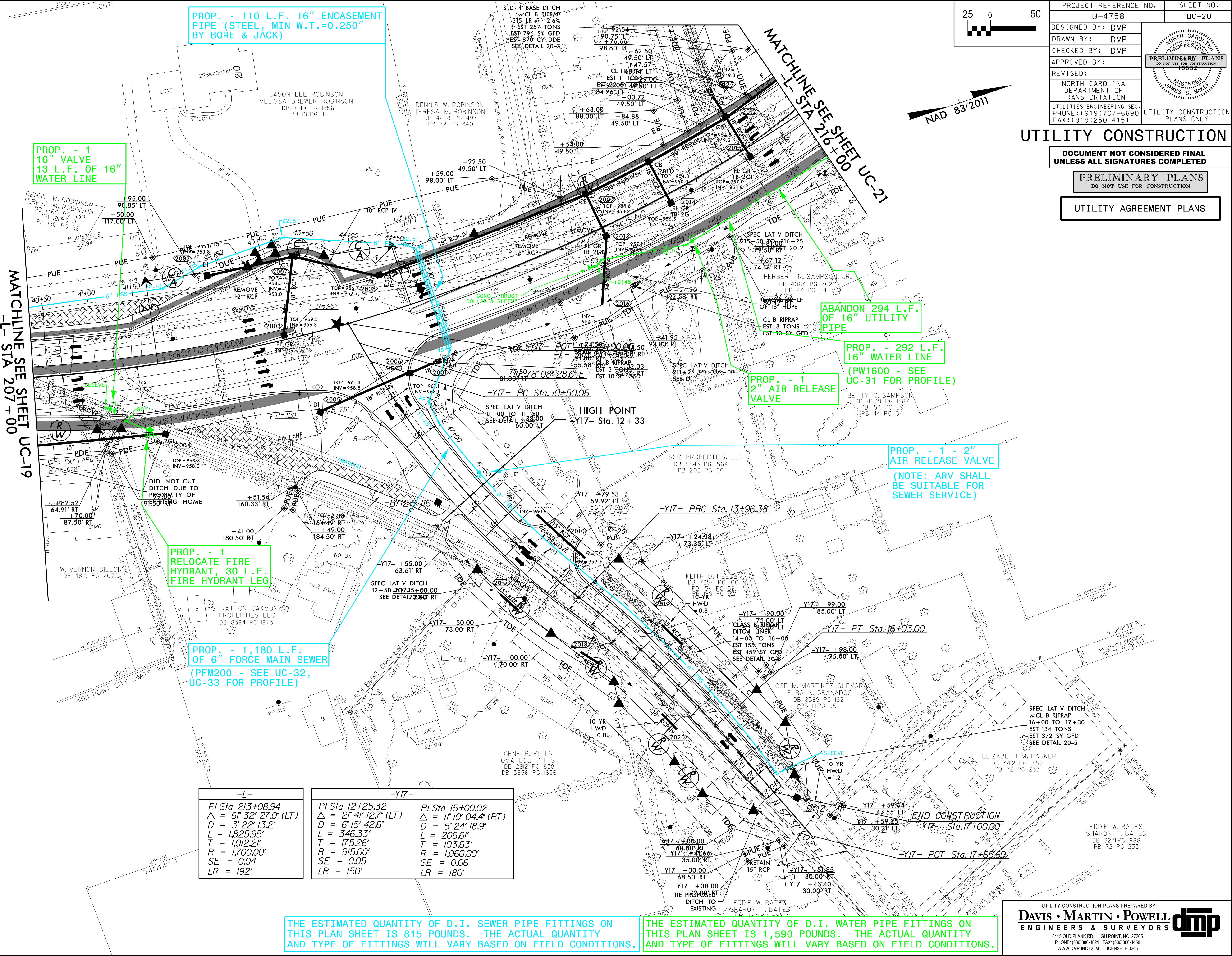
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NAD 83/2011

$-Y2I-$
$PISta\ 12+31.82$ $\Delta = 19^{\circ}20'39.3''(LT)$ $D = 19^{\circ}05'54.9''$ $L = 101.29'$ $T = 51.13'$ $R = 300.00'$

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" VALVE,
13 L.F. FIRE HYDRANT LEG

PROP. - 1 - 16" VALVE,
13 L.F. OF 16" WATER
LINE, 1 - 16" LINE STOP

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
21 L.F. FIRE HYDRANT LEG

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
12 L.F. FIRE HYDRANT LEG

PROP. - 26 L.F.
OF 12" WATER LINE

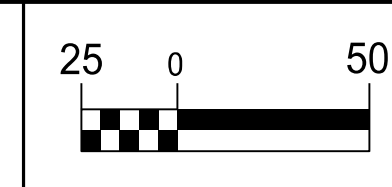
MATCHLINE SEE SHEET UC-25
-Y20- STA 13+00

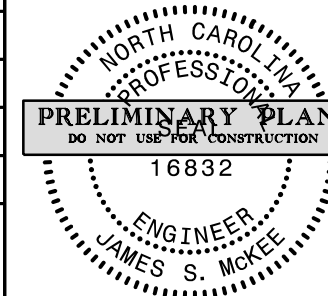
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,590 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

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Page 82 of 172



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-22
DESIGNED BY:	DMP	
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:	DMP	
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

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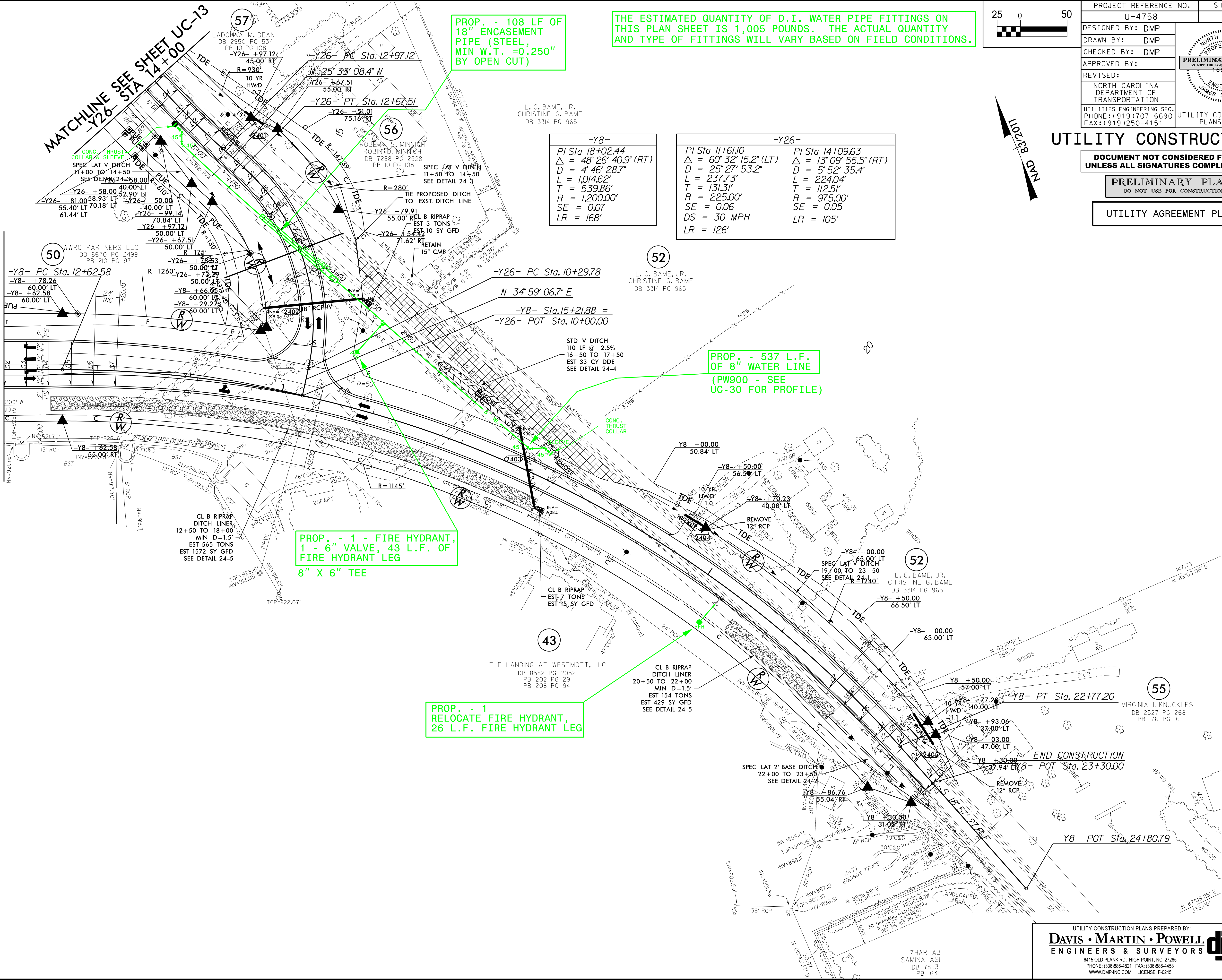
MATCHLINE SEE SHEET UC-21
-L- STA 228+50MATCHLINE SEE SHEET UC-23
-LI- STA 11+90

-L-	-Y24-	-Y24-	-Y24-
PI Sta 236+00.34 $\Delta = 17' 24" 28.7"$ (RT) $D = 4' 05" 33.2"$ $L = 425.36'$ $T = 214.33'$ $R = 1,400.00'$ $SE = 0.04$ $LR = 240'$	PI Sta 10+28.95 $\Delta = 44' 56" 32.2"$ (RT) $D = 8' 51' 04.0"$ $L = 54.91'$ $T = 28.95'$ $R = 70.00'$	PI Sta 10+89.89 $\Delta = 1' 00' 08.1"$ (RT) $D = 1' 25' 56.6"$ $L = 69.97'$ $T = 34.99'$ $R = 4,000.00'$ $DS = 35$ MPH	PI Sta 12+47.49 $\Delta = 15' 01' 13.0"$ (LT) $D = 1' 27' 33.0"$ $L = 131.08'$ $T = 65.92'$ $R = 500.00'$ $DS = 15$ MPH

PROP. - 1 - ADJUSTMENT
OF MANHOLES (CONTRACTOR
SHALL ROTATE ECCENTRIC
CONE TO MOVE TOP OUT
OF CURB & GUTTER)PROPOSED 4"
DIAMETER MH
(BY OTHERS)PROPOSED 2"
FORCE MAIN
(BY OTHERS)ABANDON 55 L.F.
OF 12" UTILITY
PIPEPROP. - 50 L.F.
OF 10" WATER LINE
PROP. - 40 L.F.
OF 8" WATER LINEPROP. - 1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE, 81 L.F.
FIRE HYDRANT LEGPROP. - 1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE, 12 L.F.
FIRE HYDRANT LEGPROP. - 226 L.F.
OF 12" WATER LINE
1 - 12" VALVE
(PW1700 - SEE
UC-31 FOR PROFILE)THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 2,300 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

MATCHLINE SEE SHEET UC-12
-Y8- STA 12+00

MATCHLINE SEE SHEET UC-13
-Y26- STA 14+00



PROP. - 108 LF OF
18" ENCASEMENT
PIPE (STEEL,
MIN W.T. = .0250"
BY OPEN CUT)

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 1,005 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-Y8-
PI Sta 18+02.44
Δ = 48' 26" 40.9" (RT)
D = 4' 46" 28.7"
L = 1,014.62'
T = 539.86'
R = 1,200.00'
SE = 0.07
LR = 168'

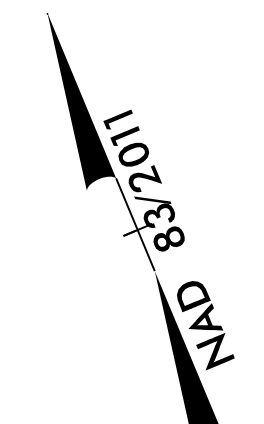
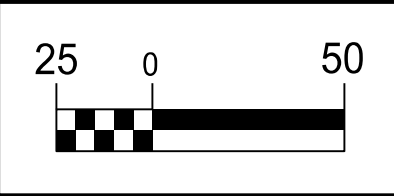
-Y26-
PI Sta 11+61.10
Δ = 60' 32" 15.2" (LT)
D = 25' 27" 53.2"
L = 237.73'
T = 131.31'
R = 225.00'
SE = 0.06
DS = 30 MPH
LR = 126'

PI Sta 14+09.63
Δ = 13' 09" 55.5" (RT)
D = 5' 52" 35.4"
L = 224.04'
T = 112.51'
R = 975.00'
SE = 0.05
LR = 105'

PROP. - 1 - FIRE HYDRANT,
1 - 6" VALVE, 43 L.F. OF
FIRE HYDRANT LEG
8" X 6" TEE

PROP. - 1
RELOCATE FIRE HYDRANT,
26 L.F. FIRE HYDRANT LEG

PROP. - 537 L.F.
OF 8" WATER LINE
(PW900 - SEE
UC-30 FOR PROFILE)

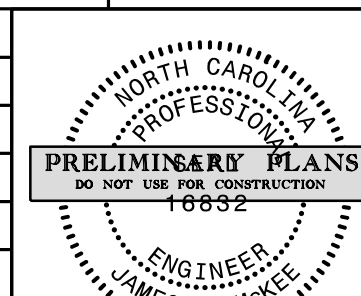


UTILITY CONSTRUCTION

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UTILITY AGREEMENT PLANS

PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-24	
DESIGNED BY: DMP		UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

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UTILITY AGREEMENT PLANS

-Y20-
<i>PI Sta</i> 16+58.65 $\Delta = 20^{\circ}18'41.0''$ (RT) $D = 4^{\circ}14'38.9''$ $L = 478.58'$ $T = 241.83'$ $R = 1,350.00'$ $SE = 0.06$ $LR = 162'$

PROP. - 1 - 8" TAPPING
SLEEVE & VALVE,
30 L.F. OF 8" WATER LINE

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
29 L.F. FIRE HYDRANT LEG

PROP. RECONSTRUCT MANHOLE STRUCTURES
3.2 L.F. (RAISE TOP FROM EL. 956.64'
TO EL. 959.8'+/- USING PRECAST RISER)

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
8 L.F. FIRE HYDRANT LEG

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,305 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336)886-4821 FAX: (336)886-4458
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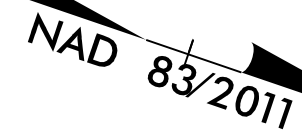
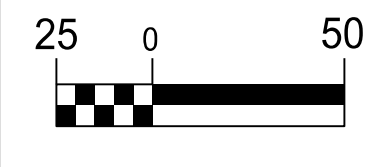
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-26
DESIGNED BY: DMP	PROFESSIONAL SEAL NORTH CAROLINA ENGINEER JAMES S. MOORE 16832 DO NOT USE FOR CONSTRUCTION	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:	UTILITY CONSTRUCTION PLANS ONLY	
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UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

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REVISIONS

PROPOSED WASTEWATER
PUMP STATION (PRIVATE,
FOR CHEERWINE ONLY)
(BY OTHERS)

PROPOSED 2"
FORCE MAIN
(BY OTHERS)

PROPOSED FIRE
HYDRANT
RELOCATION
(BY OTHERS)

3.0' BASE x 1.5' DEEP
3:1 SIDES, STABLE w/
TREES & VEG. NO FLOW

TIE TO
EXIST. DITCH

PROPOSED POT 45"
GRAVITY SEWER
(BY OTHERS)

ST Sta. 14+05.59

BASE DITCH
@ 0.40%
85 CY DDE
DETAIL 26-8

66.82

RIPRAP
11 TONS
SY GFD

+46.40

62.61

INV 939.8

7.46' 0" 60'

7.46' 0" 60'

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7.46' 0" 60'

PROPOSED POT 45"
GRAVITY SEWER
(BY OTHERS)

ST Sta. 15+00.00

ISMTLB

RETAIN 15" RCP

RETAIN DI

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DETAIL 26-8
STANDARD 4" BASE DITCH
(Not to Scale)

FROM STA. 12+25 TO STA. 14+50 -DWY20- LT

Natural Ground

Min. D=1.5

B=4.0 Ft.

18" HDPE

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MATCHLINE
SEE SHEET UC-22

MATCHLINE SEE SHEET UC-23

MATCHLINE SEE SHEET UC-27
-Y29- STA 22+00

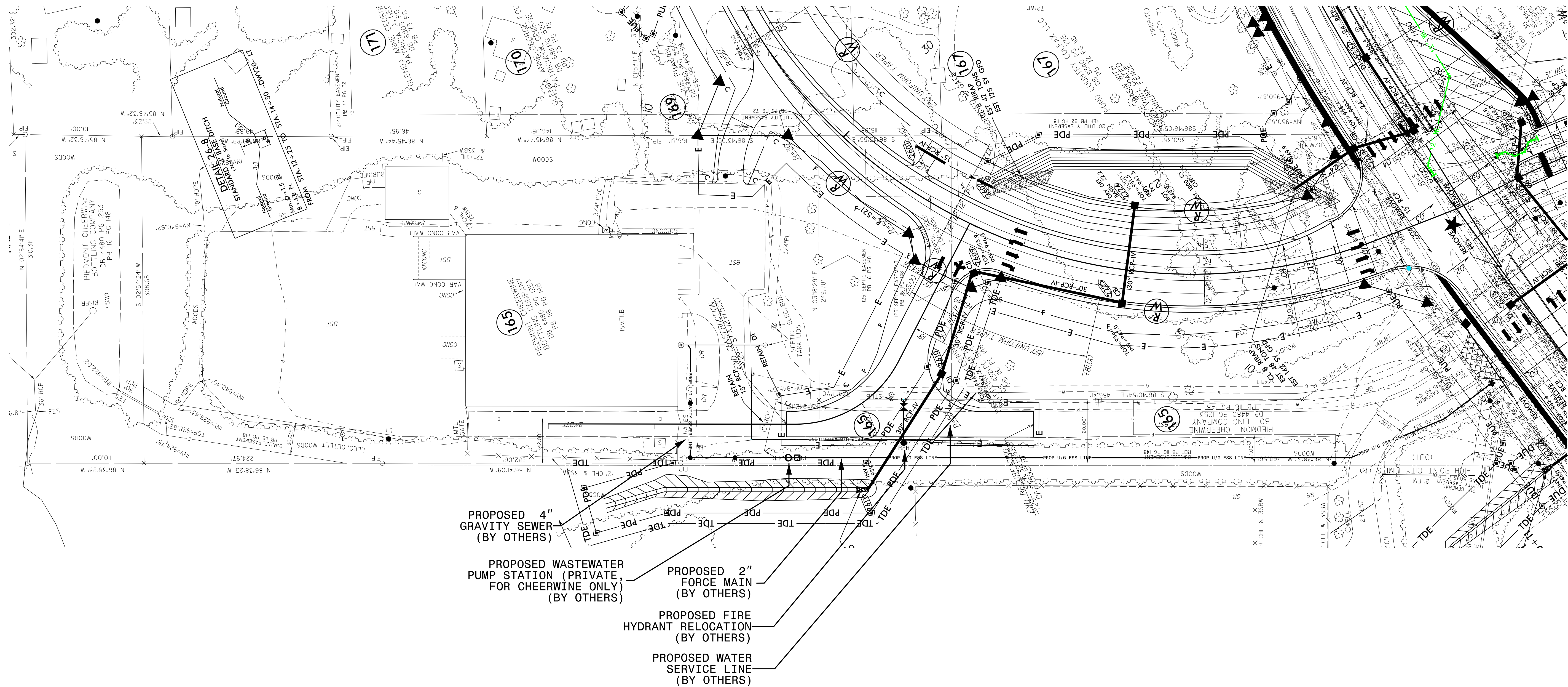
THIS SHEET IS FOR INFORMATIONAL PURPOSES
ONLY. NO WATER OR SEWER CONFLICTS ARE
ANTICIPATED ON THIS SHEET.

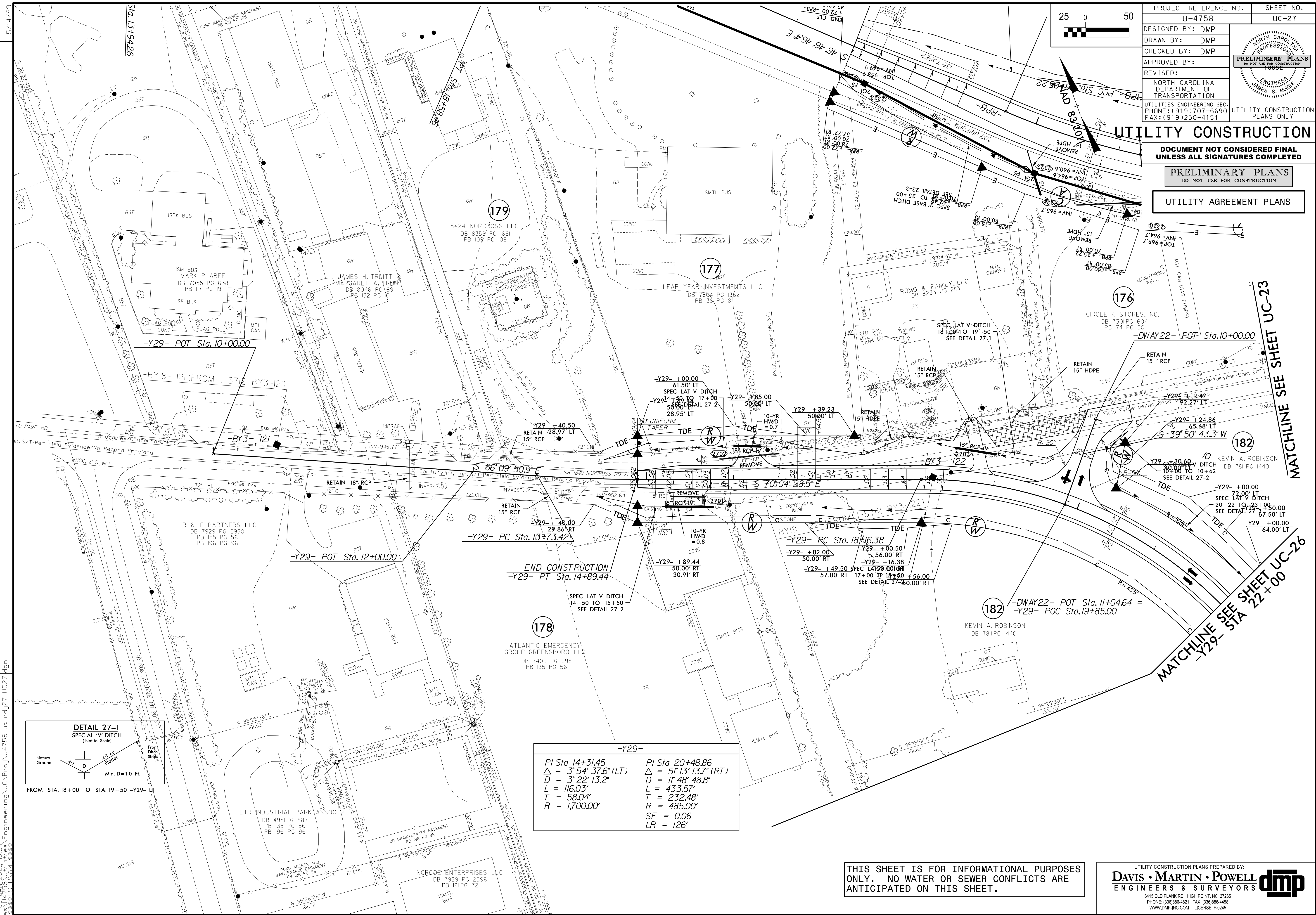
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DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
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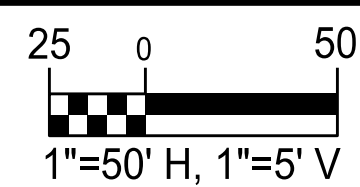
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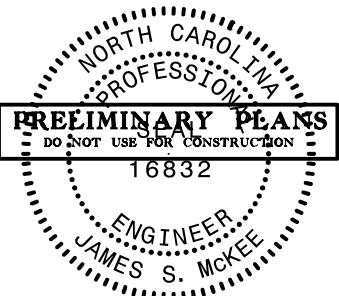




5/14/99



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-28
DESIGNED BY: DMP	 A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the text "JAMES S. WOKEL" is at the bottom. In the center, the text "PRELIMINARY PLANS" is written in a large, bold, sans-serif font. Below this, in a smaller font, is "DO NOT USE FOR CONSTRUCTION". At the very bottom of the center is the year "1983".	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

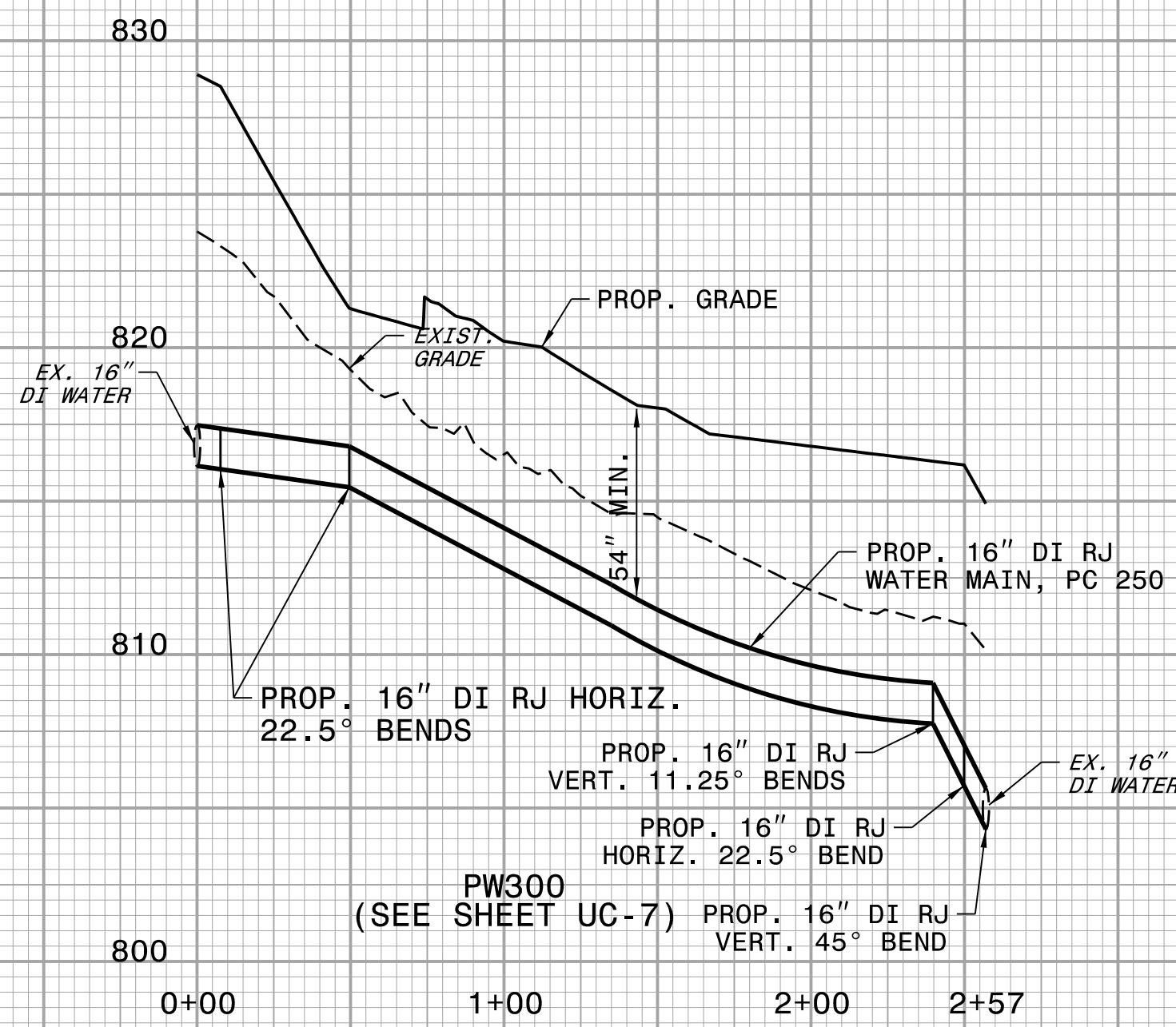
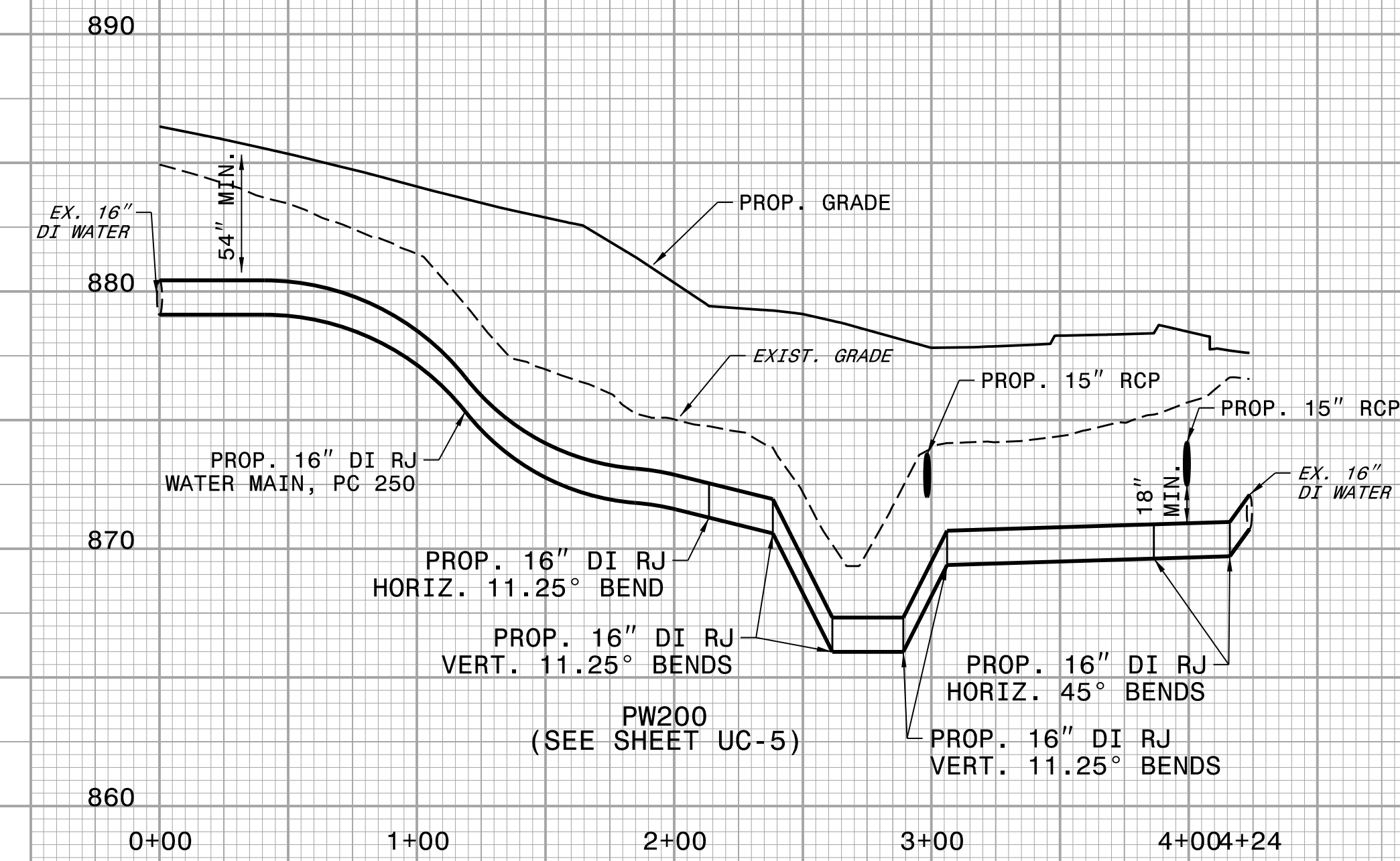
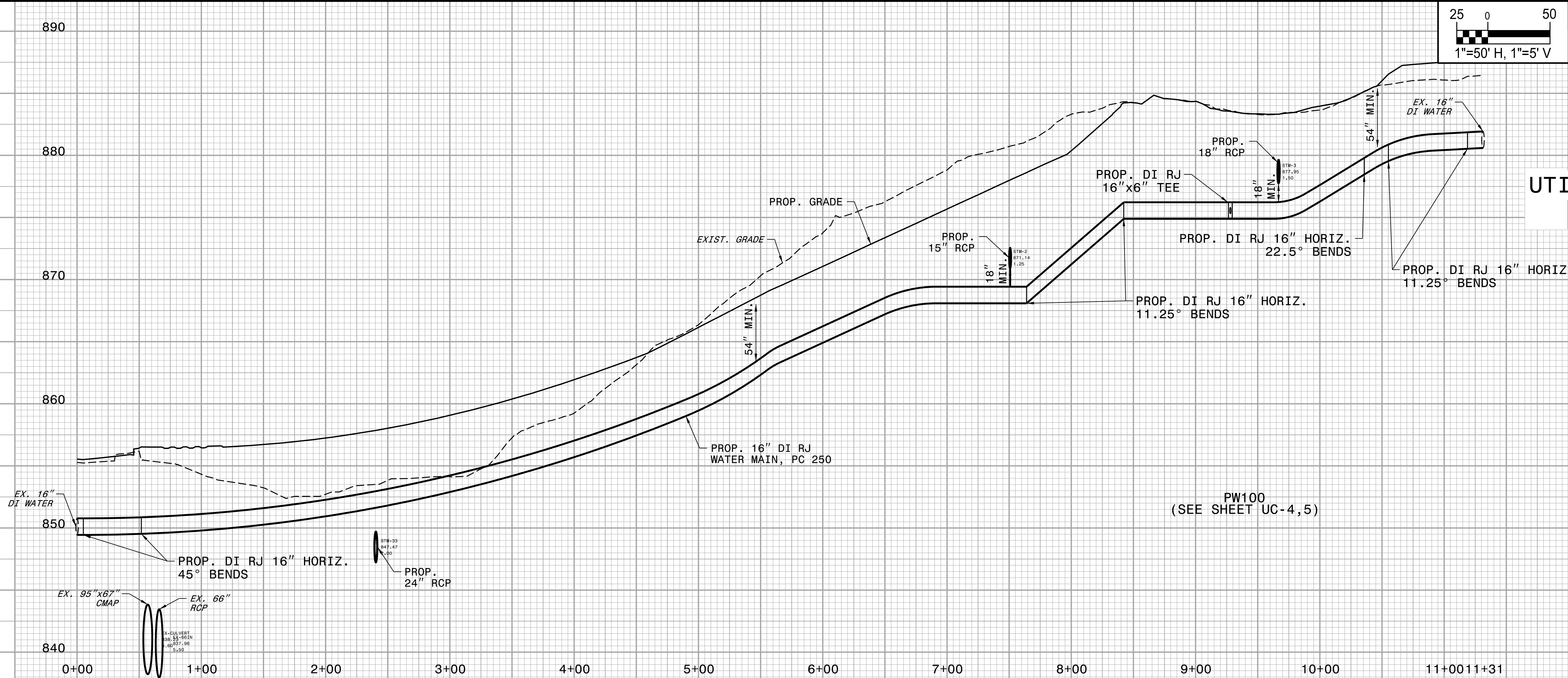


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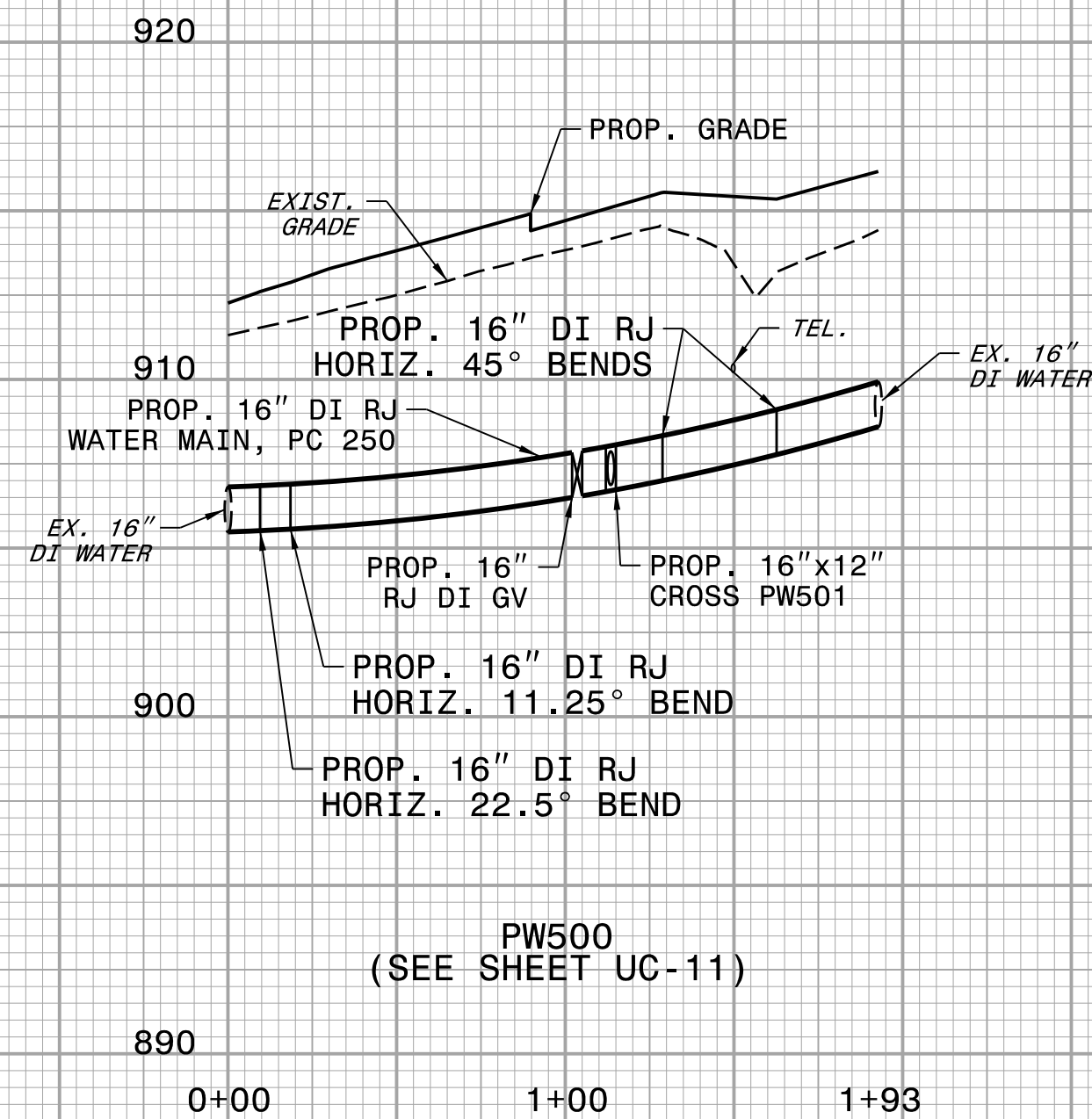
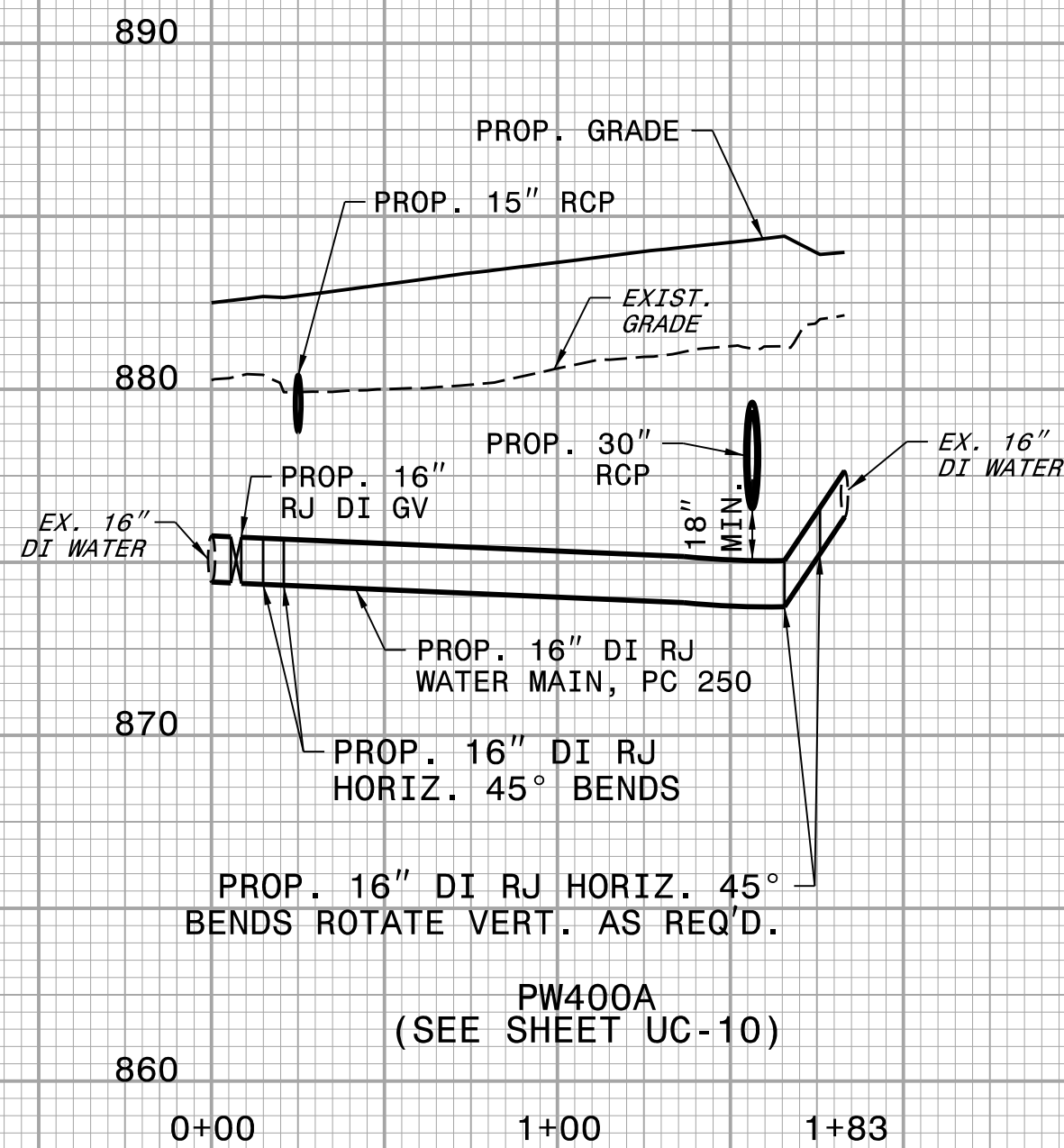
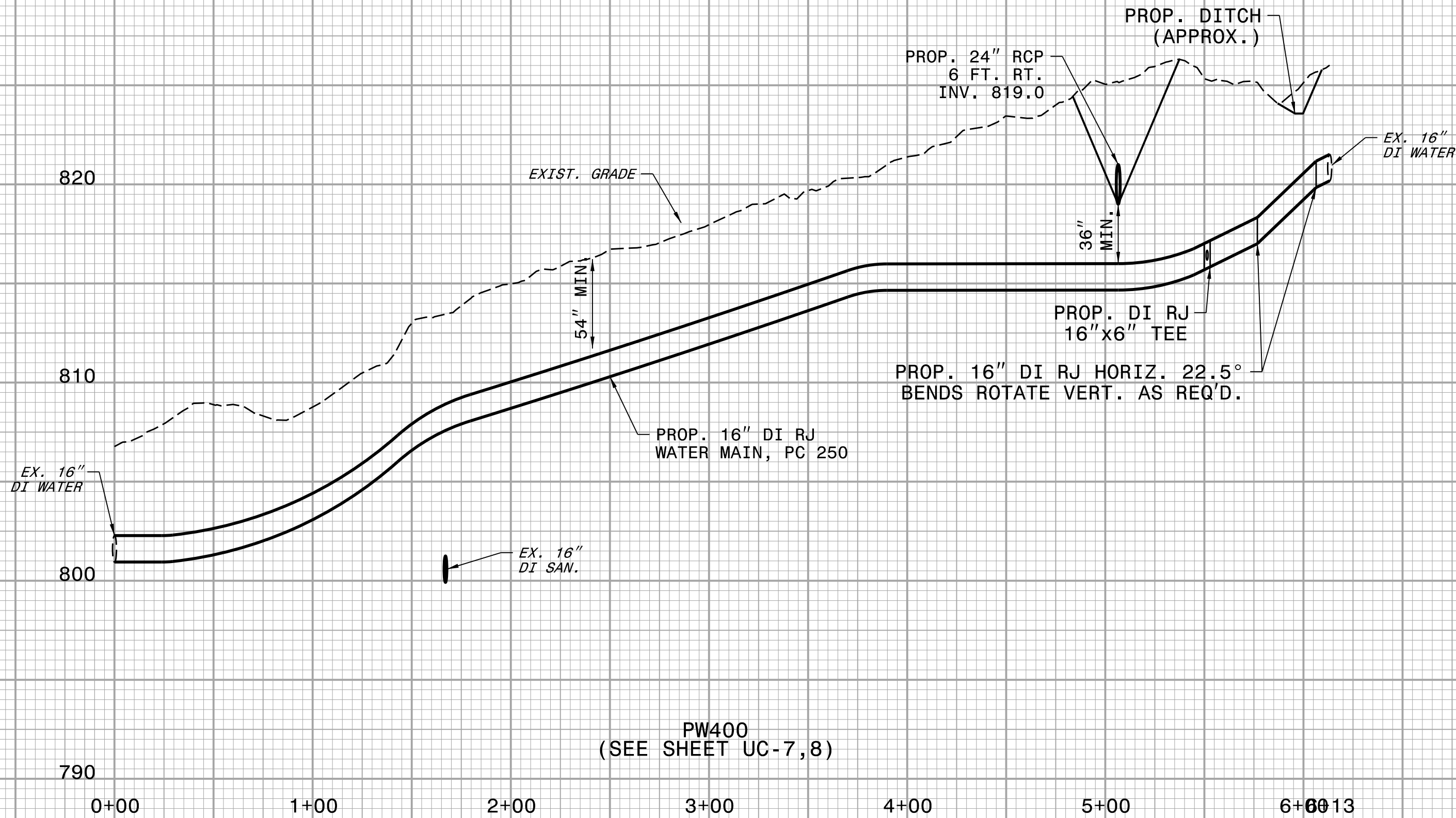
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-29
DESIGNED BY: DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16832 ENGINEER JAMES S. MOORE	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
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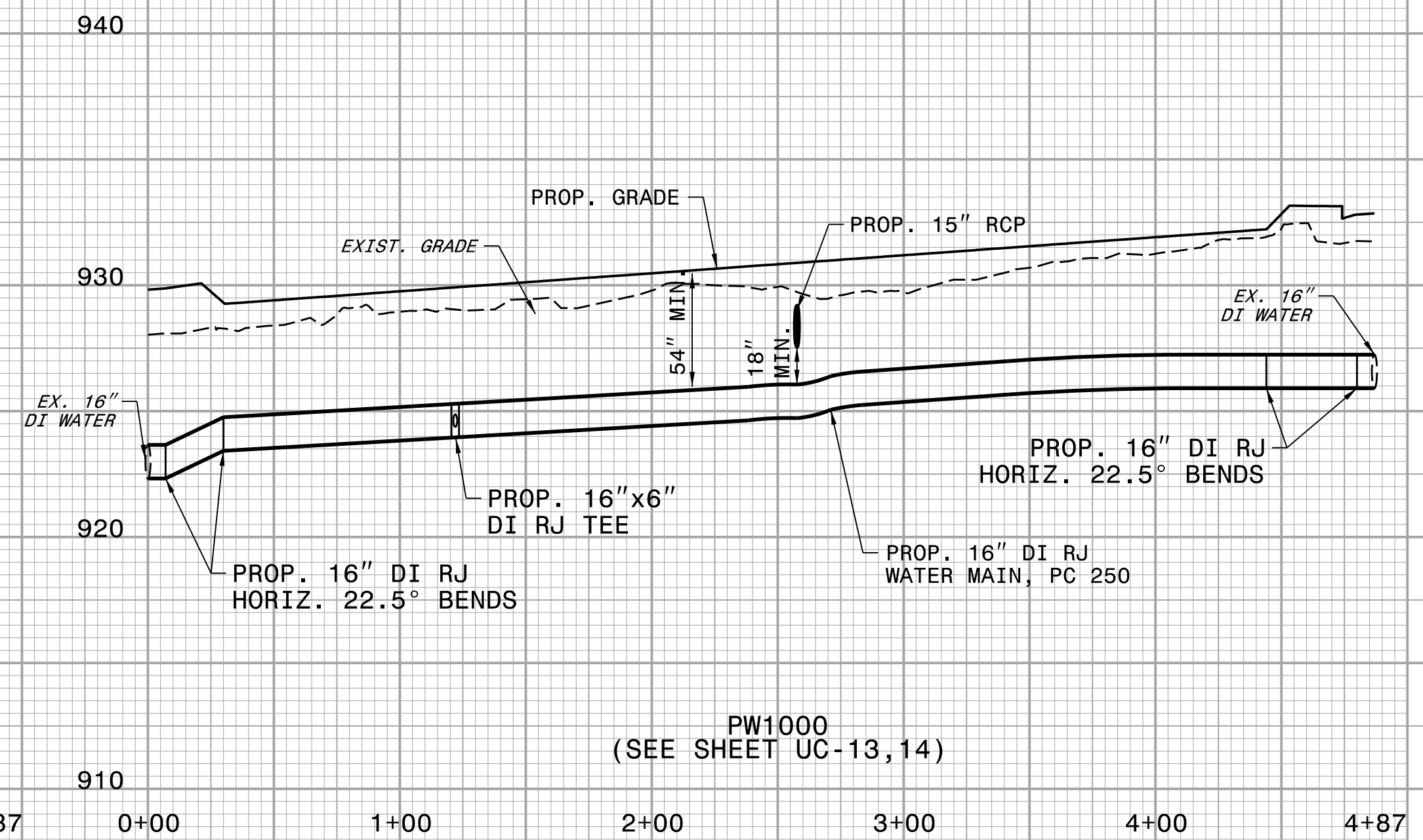
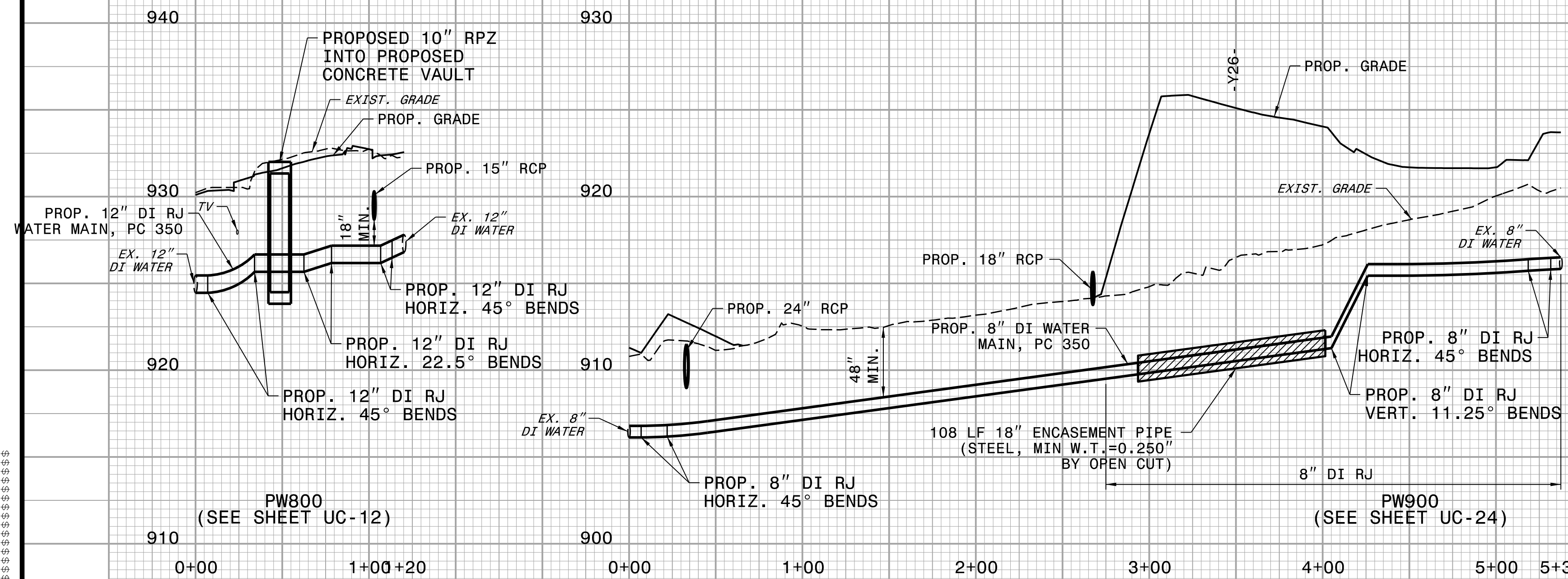
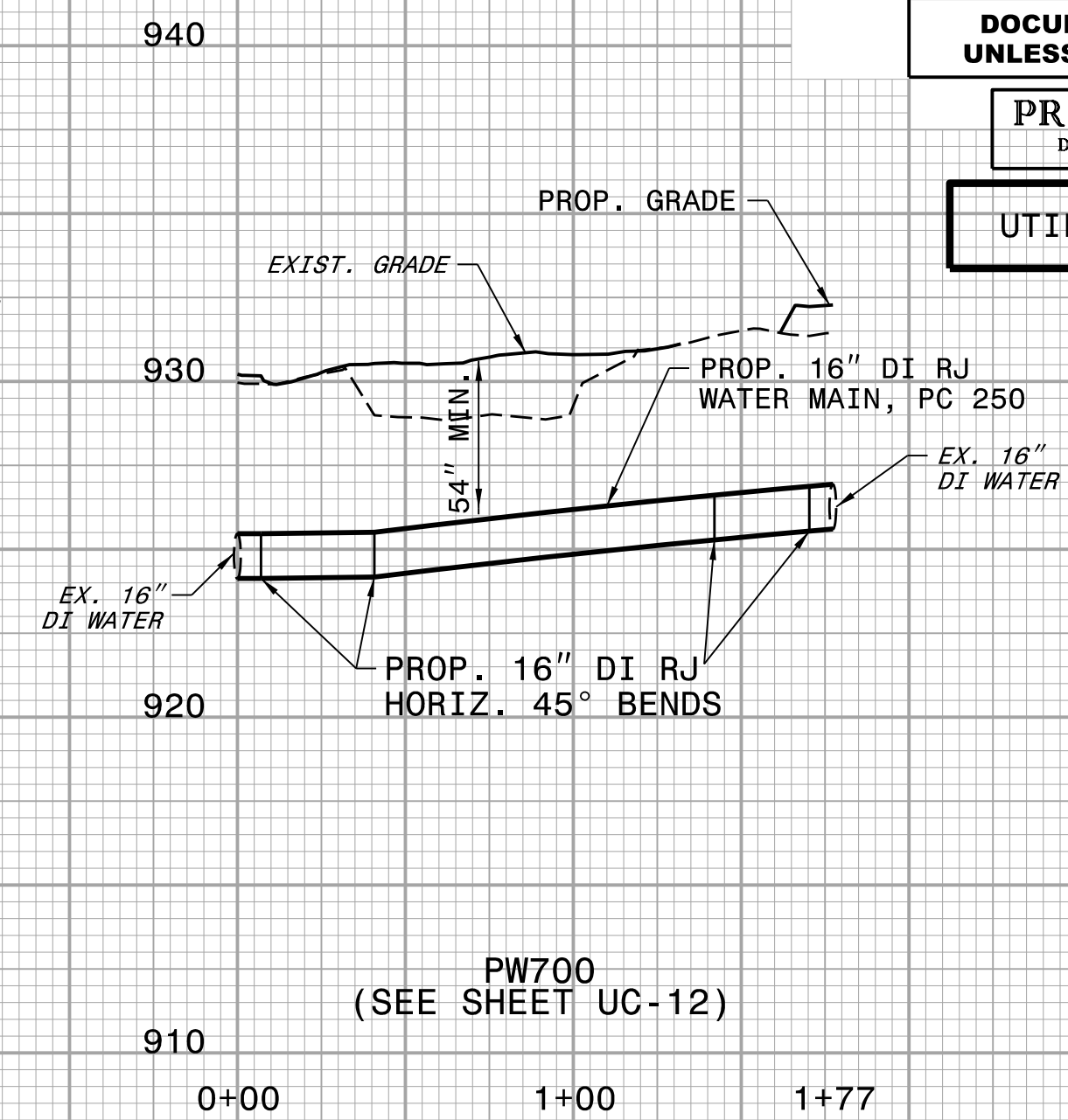
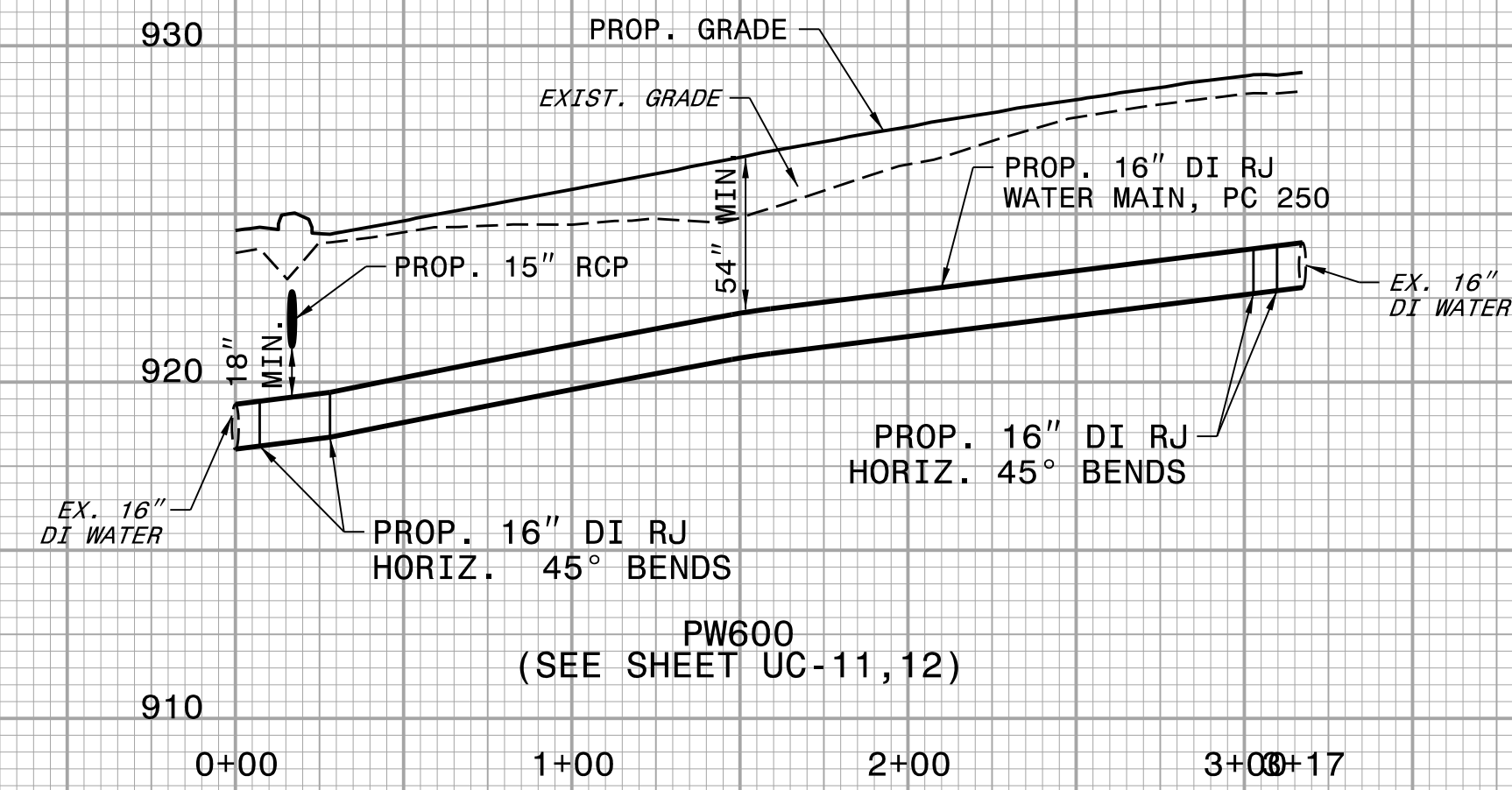
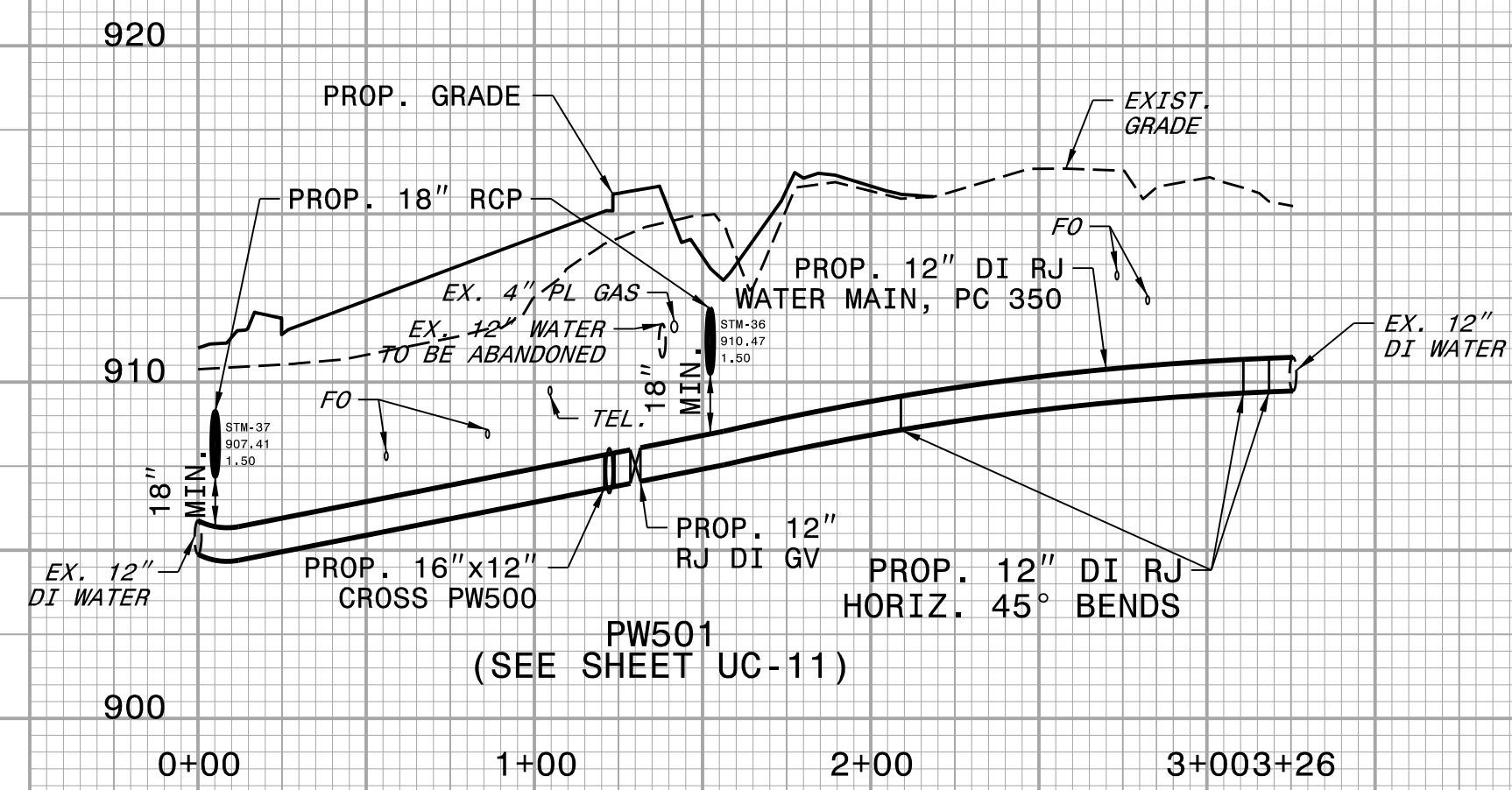
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-30
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PHONE: (919) 707-6690		
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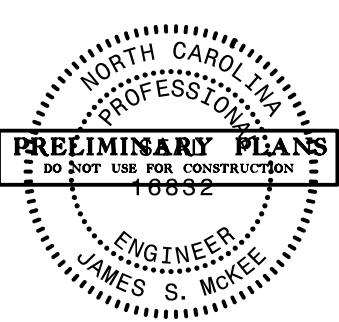
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PROJECT REFERENCE NO.		SHEET NO.
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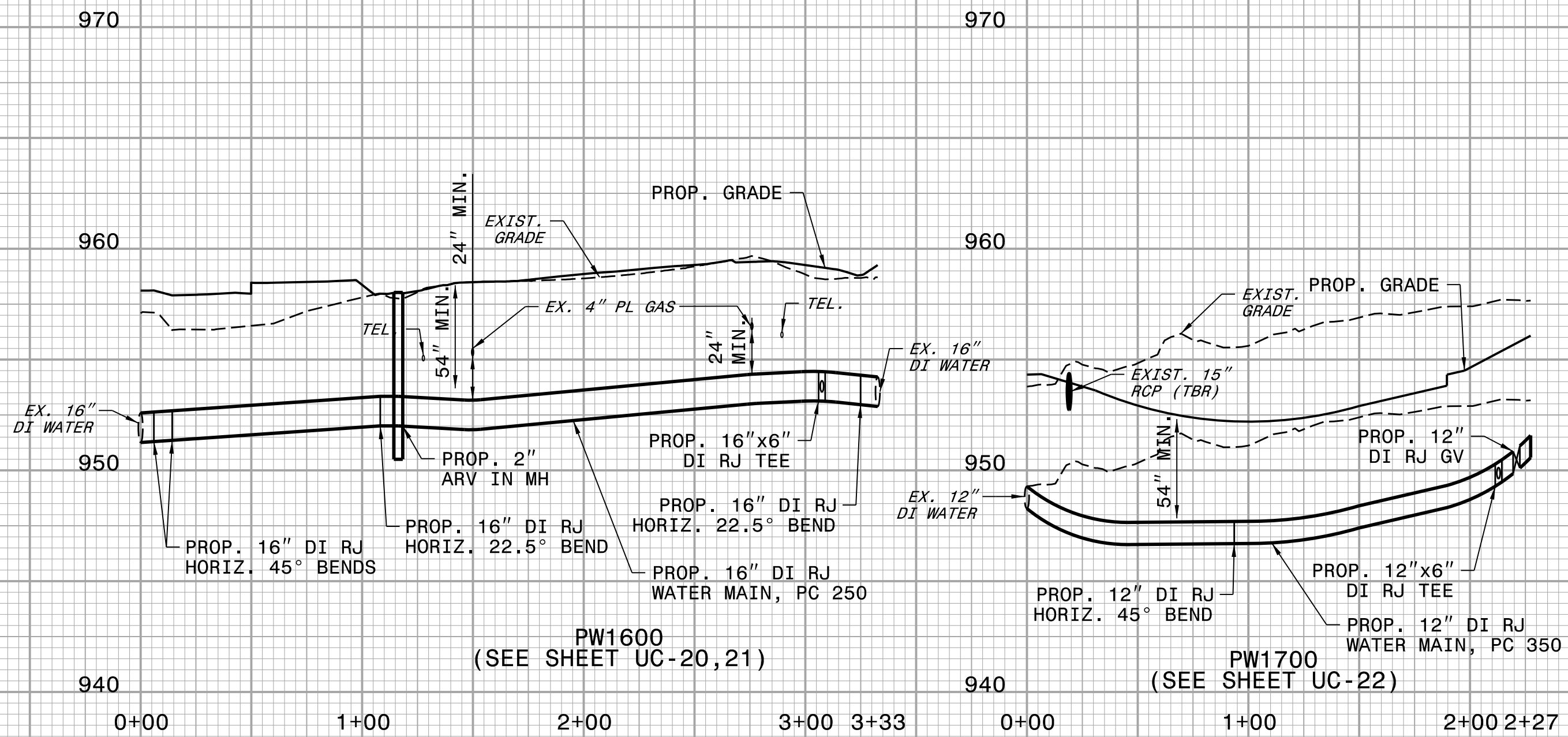
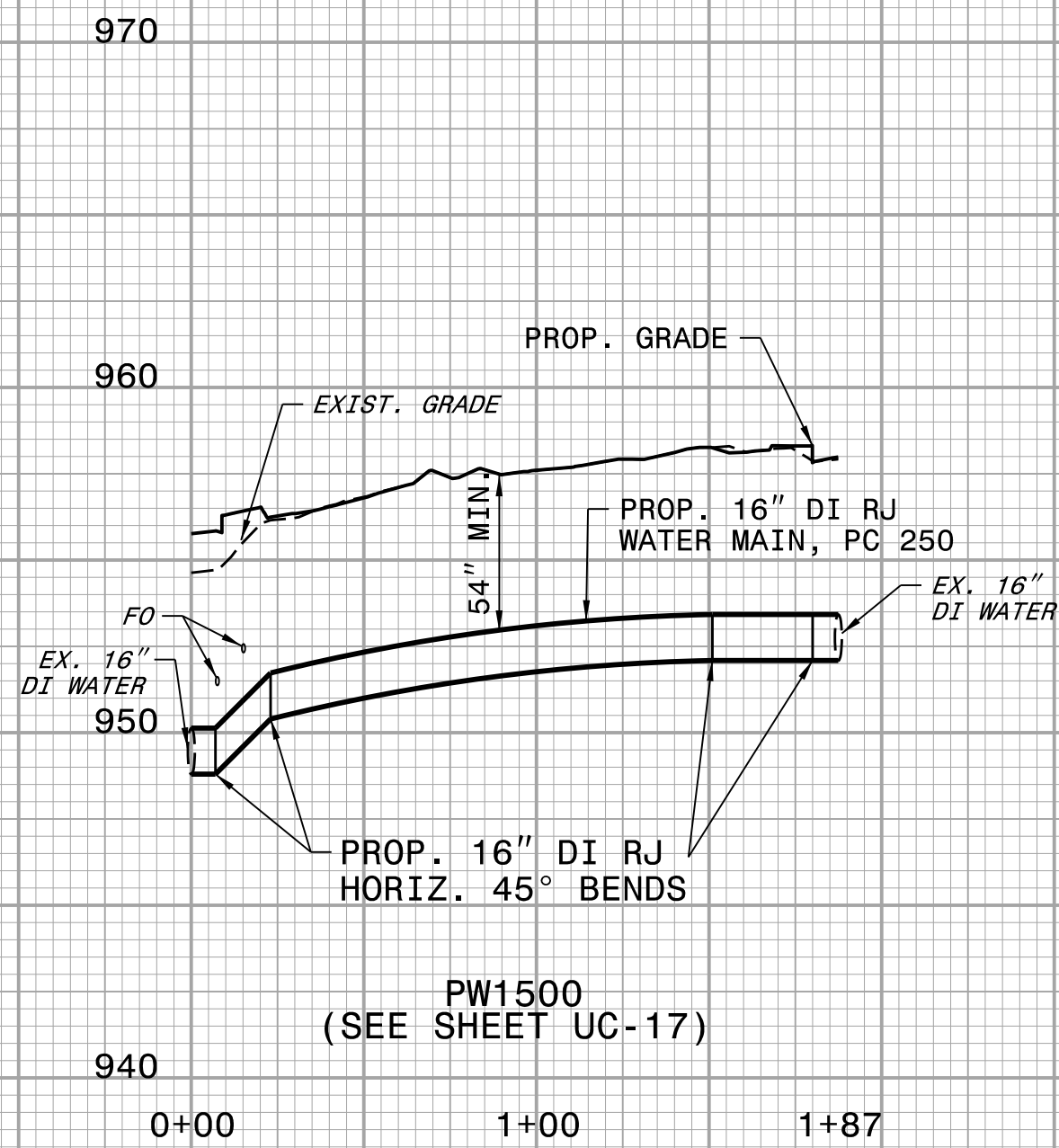
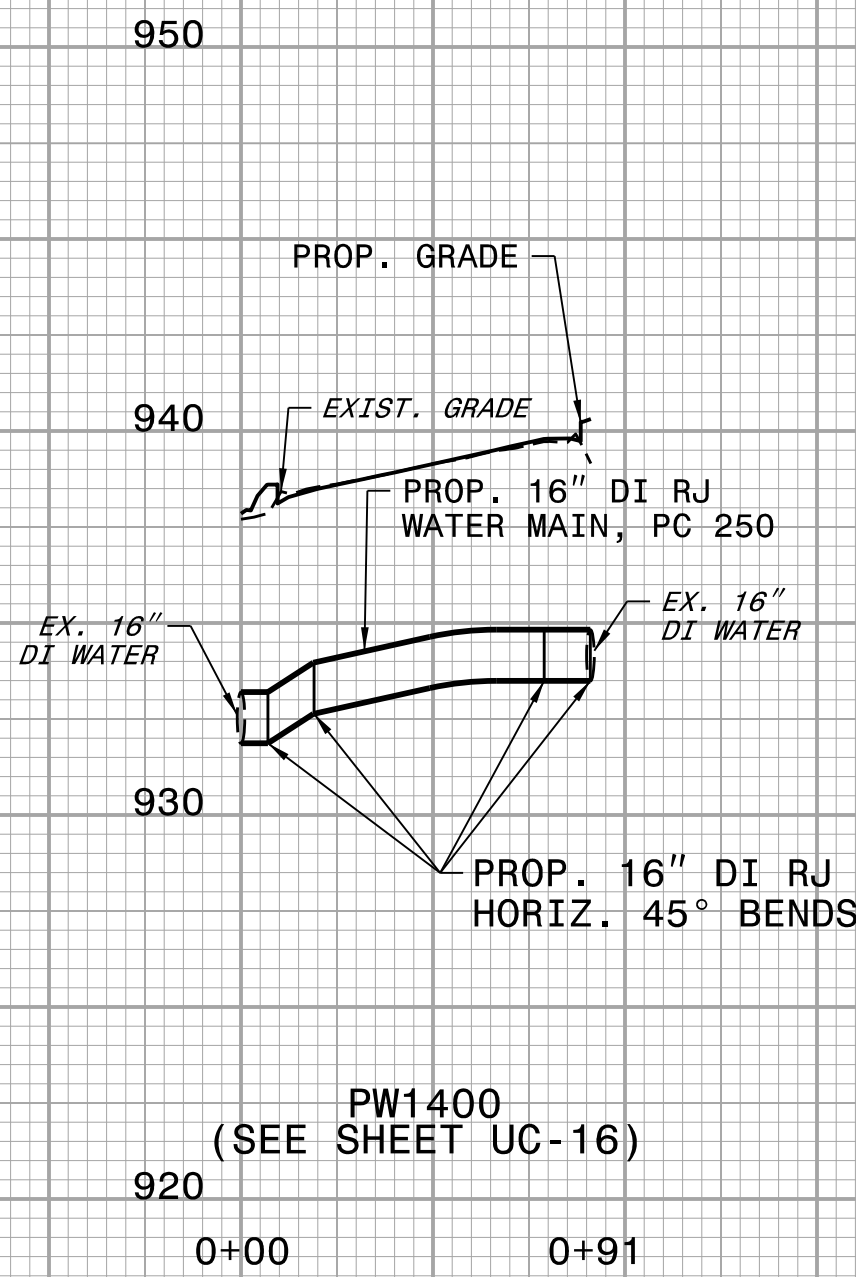
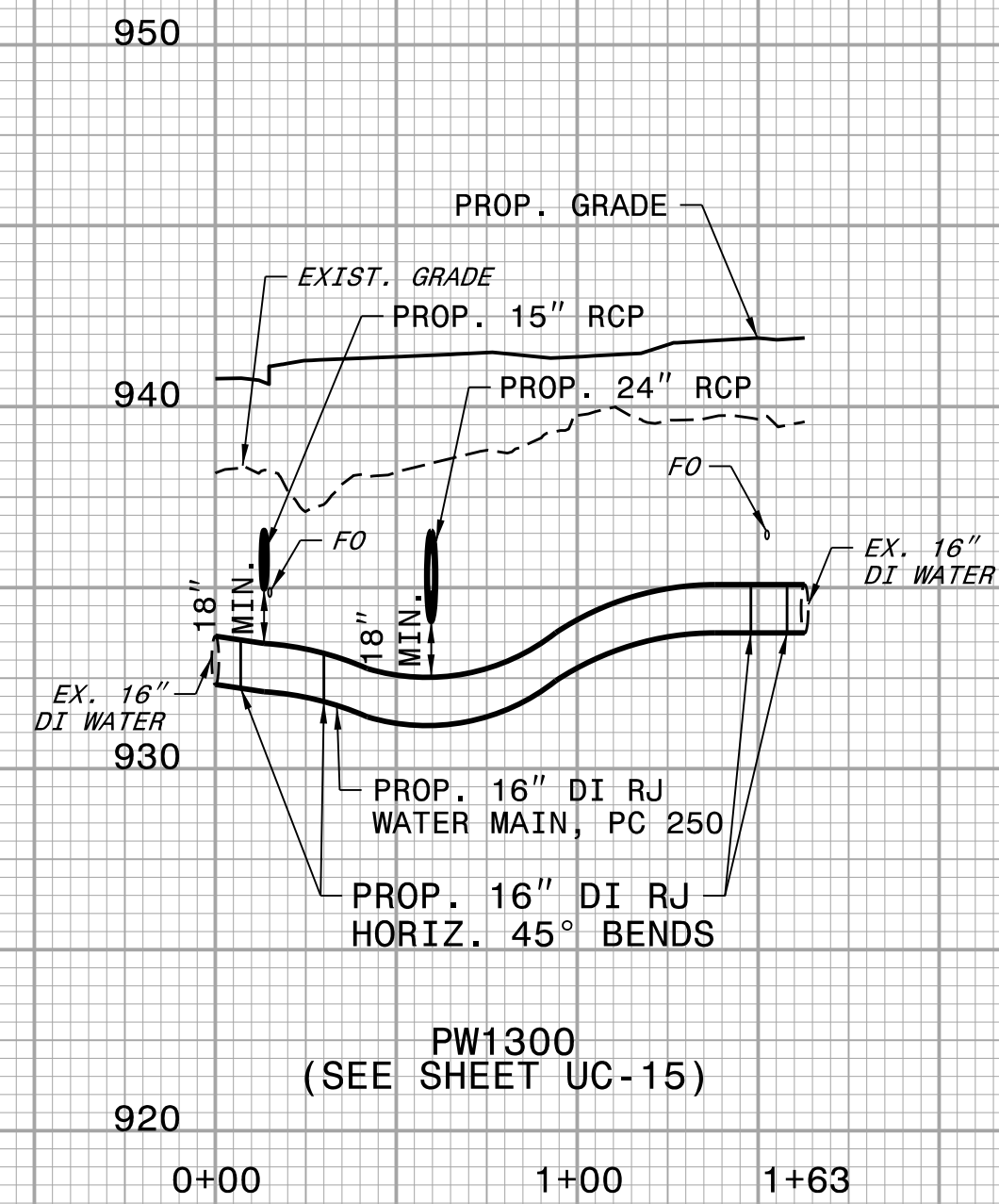
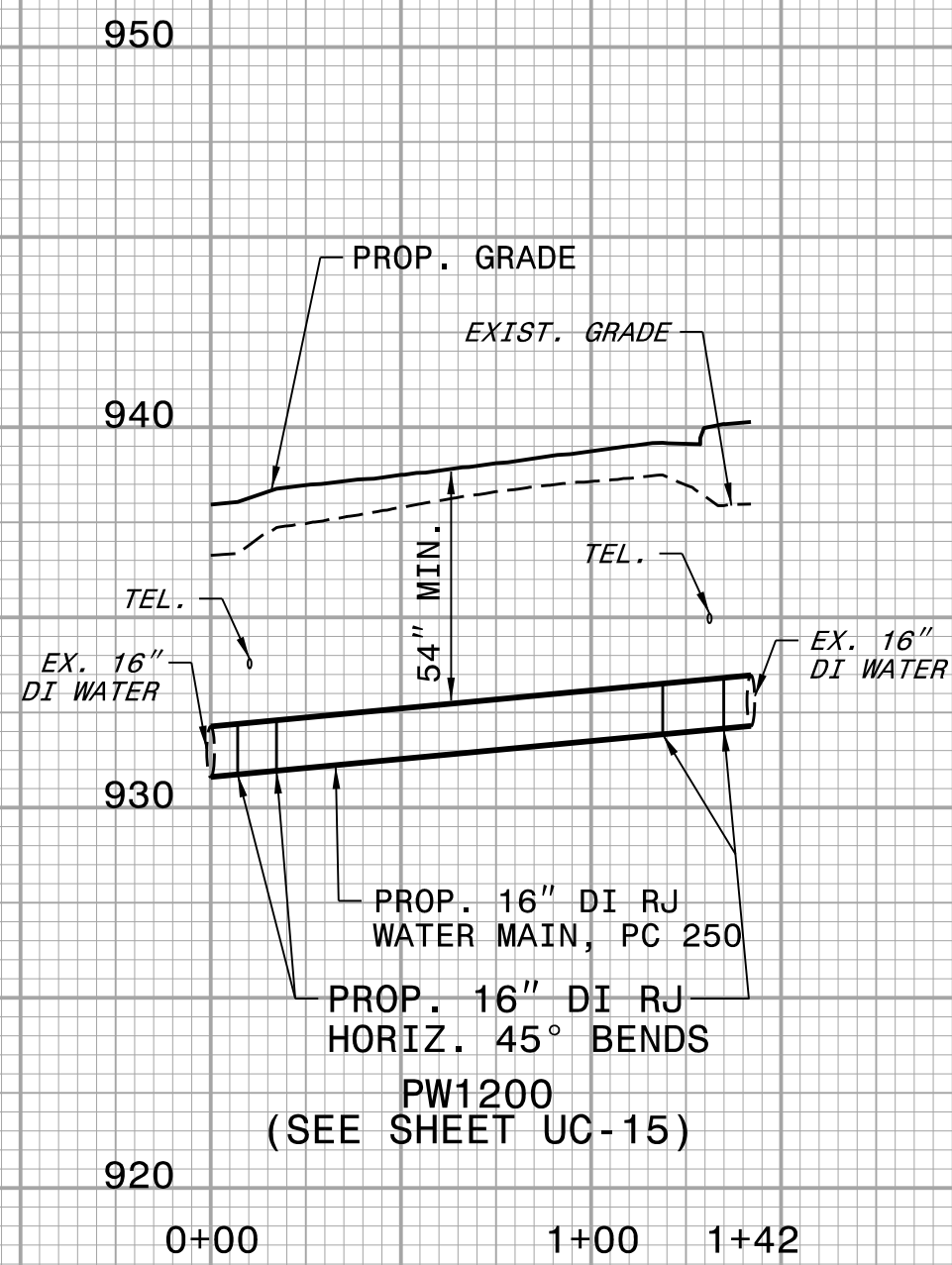
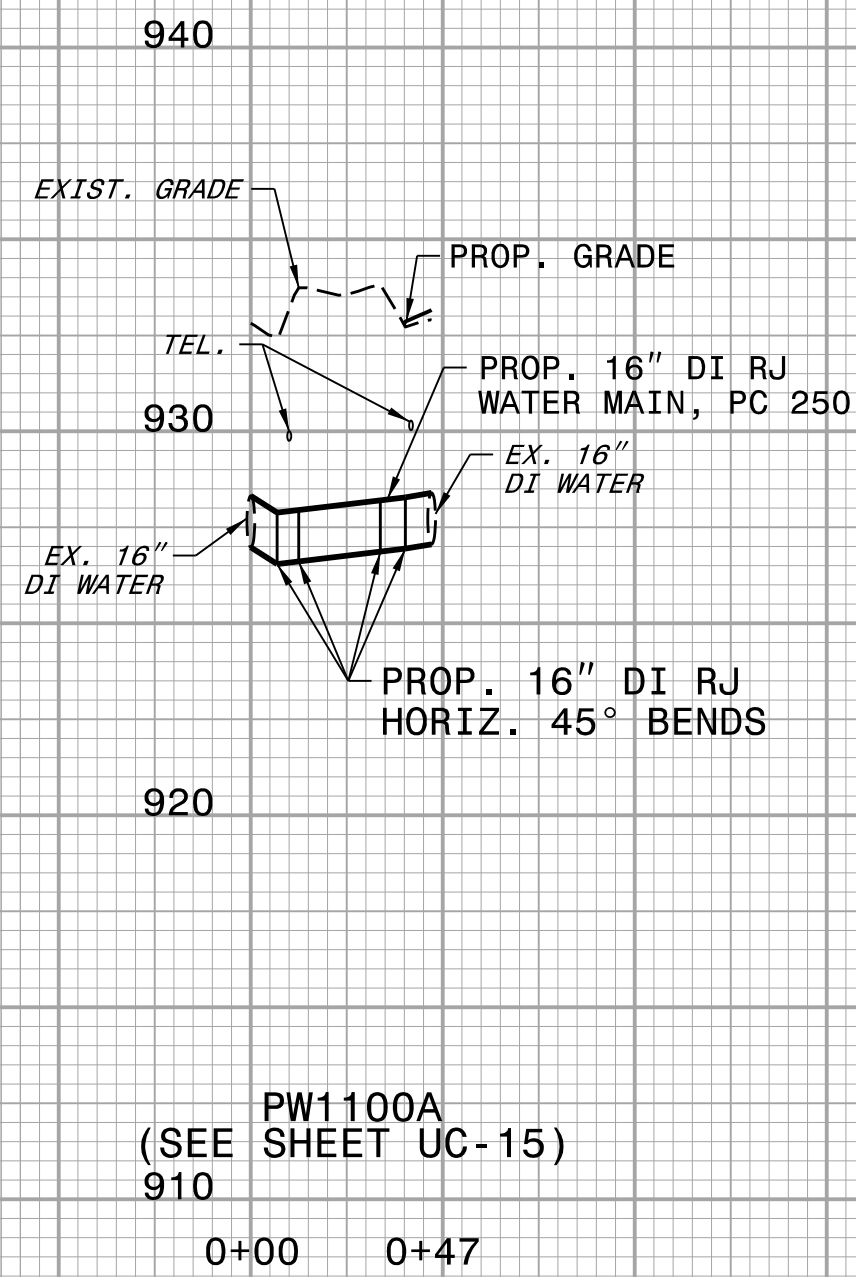
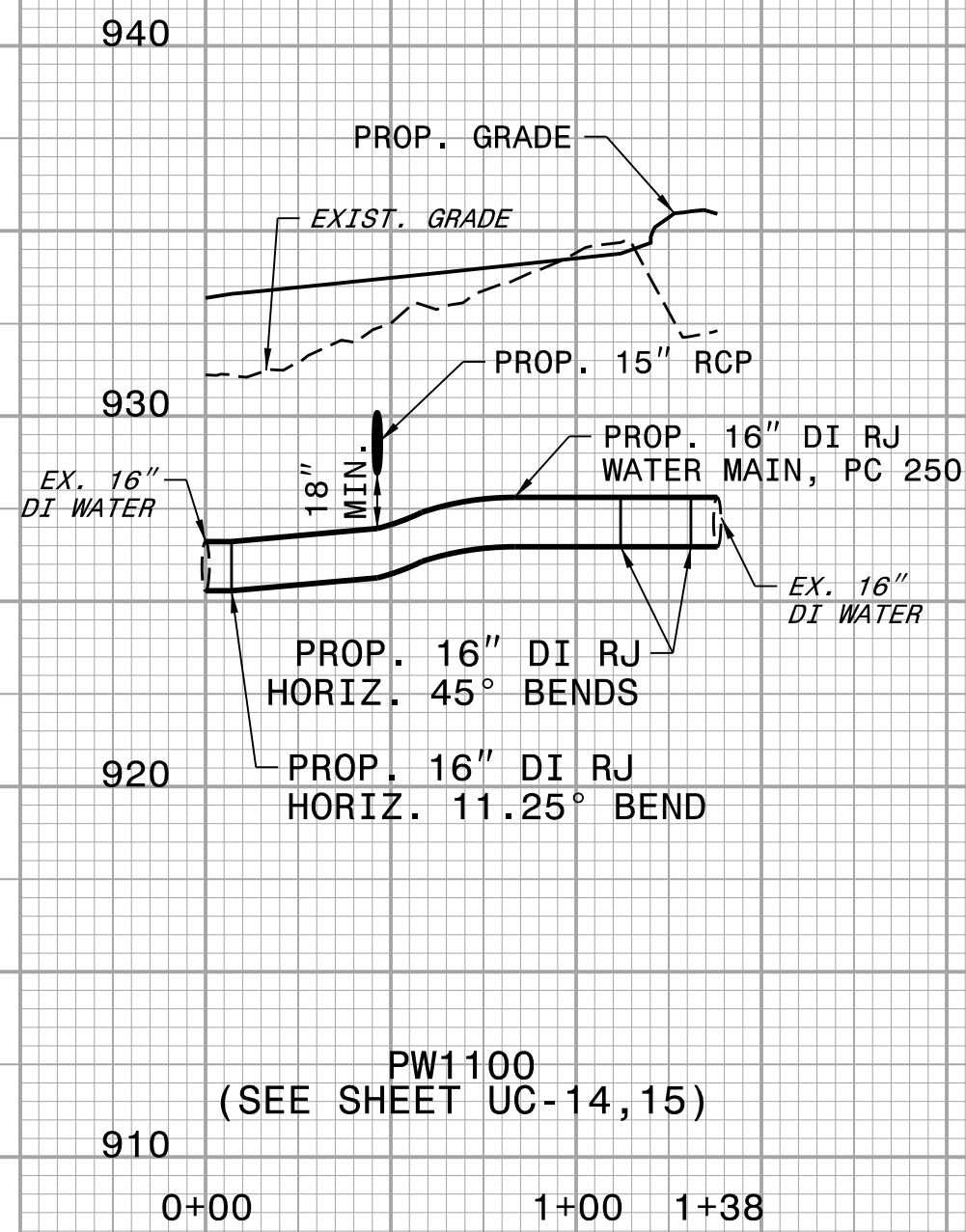


UTILITY CONSTRUCTION

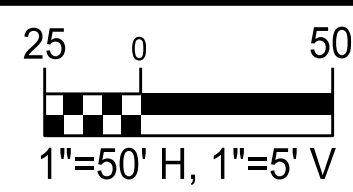
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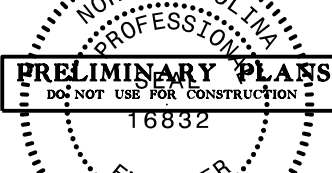
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5/14/99



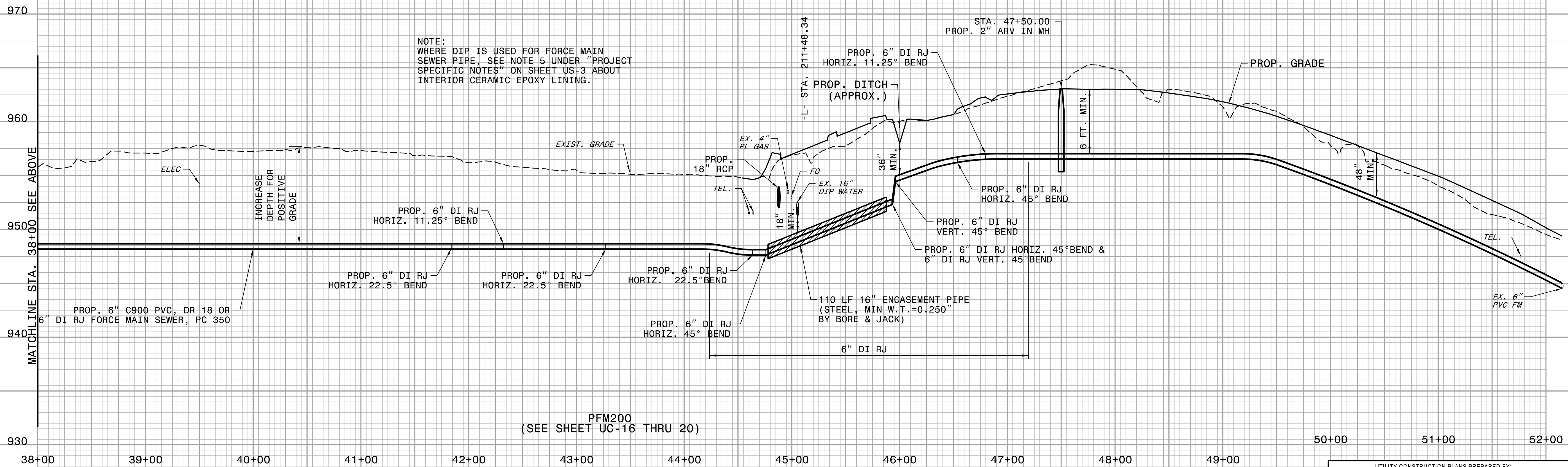
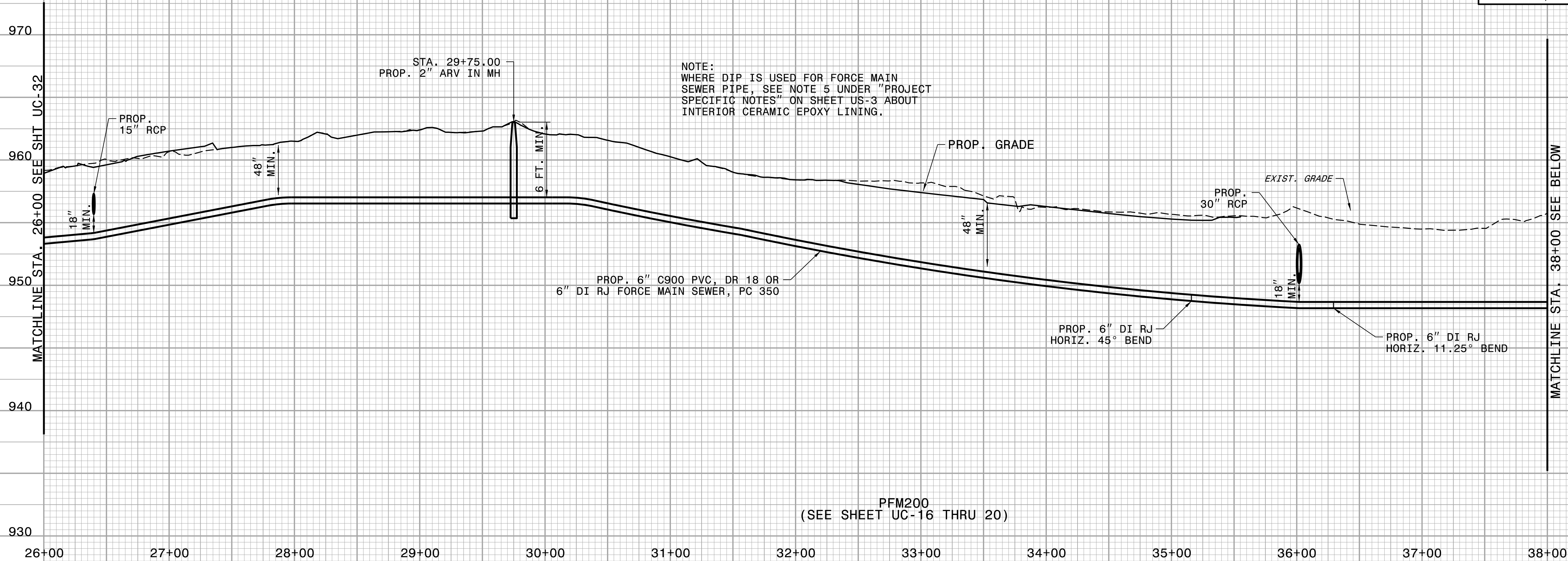
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-33
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

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UTILITY AGREEMENT PLANS



CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Utility Agreement with North Carolina Department of Transportation (NCDOT)

FROM:

Robby Stone, Public Services Director,
Derrick Boone, Assistant Public Services
Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Utility Construction Plans
 2. Cost Estimate
 3. Utility Construction Agreement
-

PURPOSE: The City has budgeted for the preliminary engineering and utility construction costs associated with the upcoming North Carolina Department of Transportation (NCDOT) widening of SR 1818 Johnson Street and SR 1850 Sandy Ridge Road.

BACKGROUND: The NCDOT has prepared plans to widen SR 1818 Johnson Street and SR 1850 Sandy Ridge Road to multi-lanes from SR 1820 Skeet Club Road to I-40 in High Point (see attached Utility Construction Plans). The City of High Point owns water and sewer utilities that will be impacted by the project's construction and will be responsible for a portion of the preliminary engineering and utility construction costs in the total estimated amount of \$3,939,465.46. This amount is representative of non-betterment utility construction on water and sewer utilities that were previously located in the NCDOT right-of-way. All utility work will be performed by the NCDOT's construction contractor. The project is scheduled to open for bid June 2025, and construction could begin as early as late summer 2025.

BUDGET IMPACT: Payments will be due to NCDOT during FY 2026-27. The project will be included in the Capital Improvement Program (CIP) and funds will be requested as part of the FY 2026-27 budget process.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a Utility Construction Agreement in the estimated amount of \$3,939,465.46 for the roadway widening project U-4758 involving SR 1818 Johnson Street and SR 1850 Sandy Ridge Road and authorize the appropriate City Official(s) to execute all necessary documents.

TIP PROJECT: U-4758

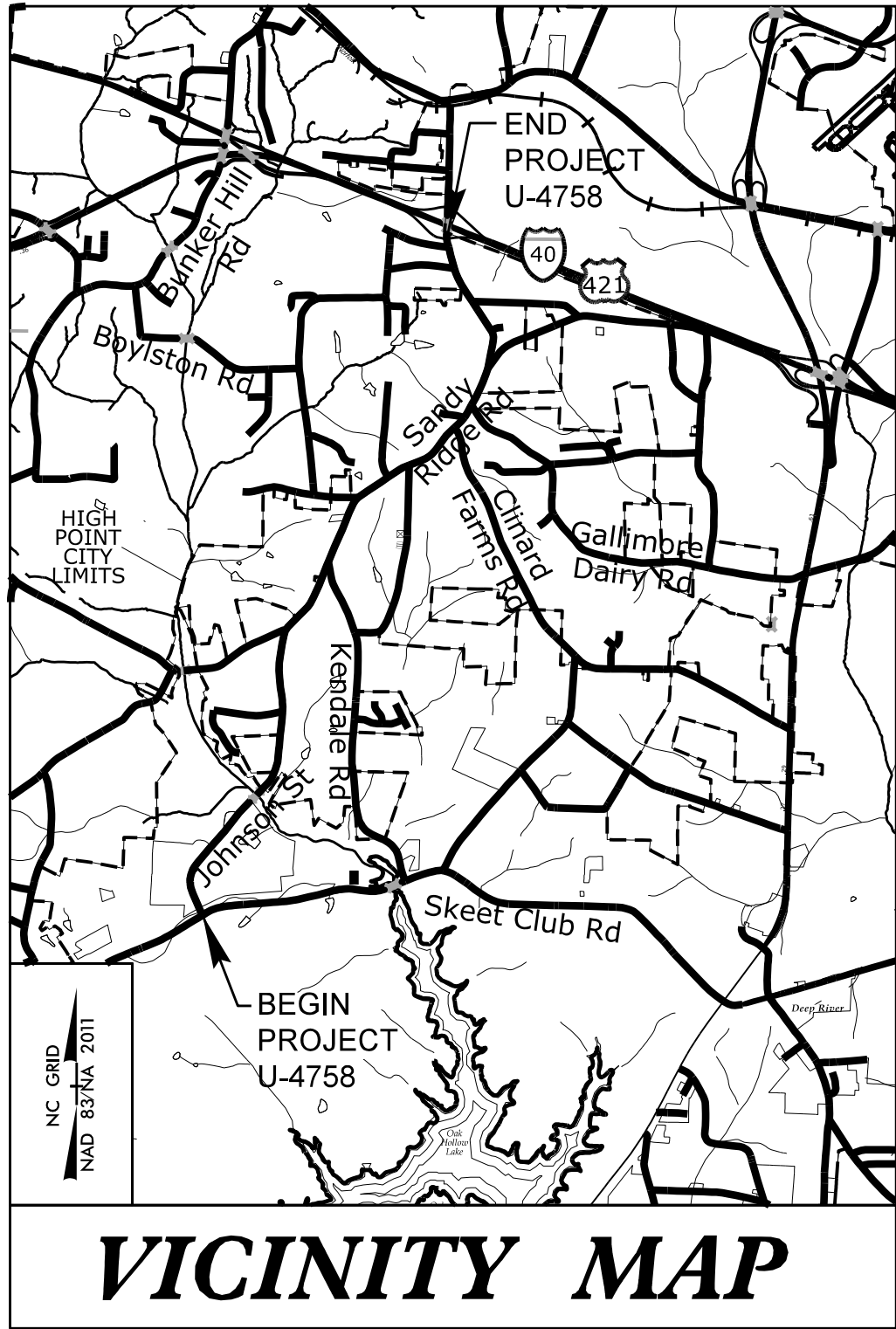
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-4758	UC-1

EXHIBIT A
AGREEMENT PLANS

COST BREAKDOWN LEGEND

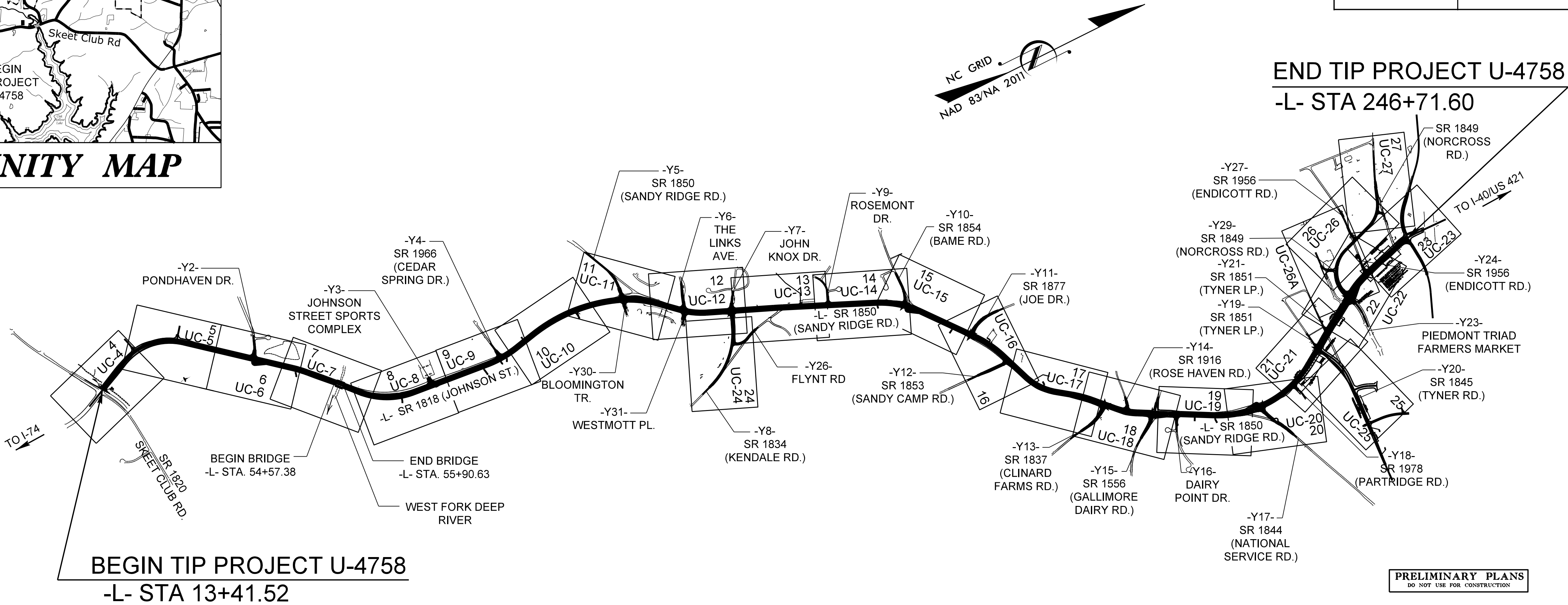
STATE COST	
CITY OF HIGH POINT	



UTILITY CONSTRUCTION PLANS
GUILFORD COUNTY

LOCATION: SR 1818 (JOHNSON STREET) /SR 1850 (SANDY RIDGE ROAD) FROM
SR 1820 (SKEET CLUB ROAD) TO SOUTH OF I-40 IN HIGH POINT

TYPE OF WORK: UTILITY CONSTRUCTION

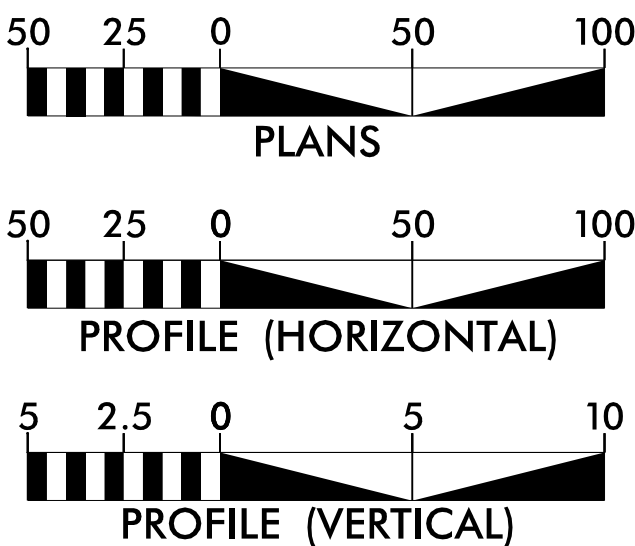


PRELIMINARY PLANS
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UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



INDEX OF SHEETS

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UC-3B THRU UC-3F	DETAILS
UC-4 THRU UC-27	UTILITY CONSTRUCTION SHEETS
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WATER AND SEWER
OWNERS ON PROJECT

- A) WATER - CITY OF HIGH POINT
B) SEWER - CITY OF HIGH POINT
C) SEWER - NC DEPARTMENT OF
ADULT CORRECTION

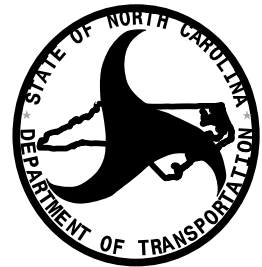
PREPARED IN THE OFFICE OF:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

Steve McKee, P.E. CONSULTANT CONTACT #1
Randy McNeill, P.E. CONSULTANT CONTACT #2
Kyle Stalls CONSULTANT CONTACT #3

SEAL



DIVISION OF HIGHWAYS
UTILITIES UNIT

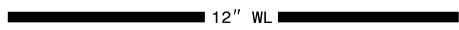
1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

Amy York CENTRAL UTILITIES MANAGER
Ali Kouchehi, P.E. REGIONAL UTILITIES ENGINEER
Douglas Joyner SENIOR UTILITIES ENGINEER
Dayton Martin REGIONAL UTILITY COORDINATOR
O'Hara Parker SENIOR UTILITY COORDINATOR

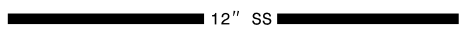
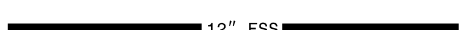
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

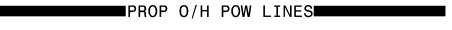
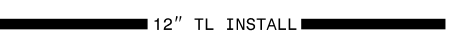
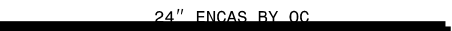
PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11¼ Degree Bend	
22½ Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

NOTE
PAY ITEM

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	
End of Information	

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

*For Existing Utilities
Utility Line Drawn from Record (Type as Shown)
Designated Utility Line (Type as Shown)

UTILITY CONSTRUCTION

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.

2. THE EXISTING WATER AND SEWER UTILITIES BELONG TO THE CITY OF HIGH POINT AND THE NC DEPARTMENT OF ADULT CORRECTION.

3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES AND SEWER PUMP STATIONS TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.

4. THE UTILITY OWNERS OWN THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT AND ACCEPTANCE BY EACH UTILITY OWNER. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNERS ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNERS AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.

5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNERS' REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNERS TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.

7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.

8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY. LINE STOPS AND INSERT VALVES WILL BE REQUIRED WHERE INDICATED ON THE PLANS, WHERE THE UTILITY OWNER CANNOT ISOLATE THE EXISTING LINES WITHOUT MAJOR DISRUPTION OF SERVICE TO MANY USERS. USE FIRE HYDRANTS TO DRAIN 16" WATER LINE, AND USE A DECHLORINATION DEVICE.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED WATER MAINS IN NOMINAL DIAMETERS 4" THROUGH 12" SHALL BE DUCTILE IRON, PC 350. PIPES FOR PROPOSED WATER MAINS IN NOMINAL DIAMETERS 16" AND LARGER SHALL BE DUCTILE IRON, PC 250. PROVIDE RESTRAINED JOINT PIPE WHERE INDICATED ON PROFILES.

2. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED WATER LINES IN NOMINAL DIAMETERS 2" AND SMALLER SHALL BE TYPE K COPPER.

3. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509 OR ANSI/AWWA C515, AND SHALL BE RATED FOR A MINIMUM WORKING PRESSURE OF 250 PSI.

4. FOR PROPOSED WATER VALVES, OR EXISTING WATER VALVES THAT WILL REMAIN IN SERVICE: IF THE TOP OF THE VALVE NUT WILL BE MORE THAN 5 FEET DEEP FROM FINISHED GRADE, THE CONTRACTOR SHALL INSTALL A VALVE STEM EXTENSION WITH A 2" SQUARE OPERATING NUT SO THE TOP OF THE VALVE STEM EXTENSION WILL BE BETWEEN 3 FEET AND 5 FEET DEEP FROM FINISHED GRADE, PER CITY OF HIGH POINT STANDARD DRAWING 237.00. THE COST TO FURNISH AND INSTALL ANY VALVE STEM EXTENSIONS SHALL BE INCIDENTAL TO THE CONTRACT.

5. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED GRAVITY SEWER LINES IN NOMINAL DIAMETERS 8" AND LARGER SHALL BE DUCTILE IRON, CLASS 51. PIPE FOR PROPOSED FORCE MAINS SHALL BE EITHER PVC C900 OR DR 18 OR DUCTILE IRON, PC 350. PROVIDE RESTRAINED JOINT PIPE WHERE INDICATED ON PROFILES. THE INTERIOR OF THE DUCTILE IRON PIPE SHALL BE COATED TO A MINIMUM DRY THICKNESS OF 24 MILS WITH AN APPROVED COAL-TAR EPOXY HAVING AN EPOXY RESIN CONTENT OF 35% BY WEIGHT IN THE DRY FILM AND A MINIMUM SOLIDS CONTENT OF 74% BY VOLUME.

6. TEMPORARY BYPASS PUMPING OF FLOW IN SOME EXISTING SEWER LINES WILL BE REQUIRED WHEN INSTALLING NEW SEWER LINES IN THE SAME HORIZONTAL ALIGNMENT AS THE EXISTING SEWER LINES, AND WHEN TYING PROPOSED MH'S INTO EXISTING SEWER LINES. SEE DIVISION 15, SECTION 1520-3-A-1 OF THE NCDOT STANDARD SPECIFICATIONS. COSTS FOR TEMPORARY BYPASS PUMPING SHALL BE INCIDENTAL TO THE CONTRACT.

7. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER CONCERNING THE TIMING AND SCHEDULE OF REQUIRED SHUT-DOWNS OF ANY EXISTING WATER OR SEWER MAINS.

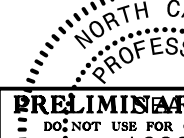
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER SERVICE TO CUSTOMERS WHEN EXISTING WATER MAINS HAVE TO BE SHUT DOWN FOR MORE THAN 8 HOURS, OR AS DIRECTED BY THE ENGINEER.

9. FOR EXISTING WATER SERVICES TO BE ABANDONED, AND ARE CONNECTED TO EXISTING WATER MAINS THAT WILL REMAIN IN SERVICE, THE CONTRACTOR SHALL EXCAVATE THE CORPORATION STOP AT THE WATER MAIN, CLOSE THE CORPORATION STOP, AND DISCONNECT THE WATER SERVICE LINE FROM THE CORPORATION STOP. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO THE COST FOR THE "REMOVE WATER METER" PAY ITEM.

10. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SEWER LATERALS AND/OR CLEANOUTS AS DIRECTED BY THE ENGINEER. THE NECESSARY QUANTITIES HAVE BEEN ADDED TO THE CONTRACT TO FACILITATE THIS PROCEDURE.

11. HYDRANT METER SHOWN ON SHEET UC-12 SHALL BE INCIDENTAL TO FIRE HYDRANT PAY ITEM.

12. THE CITY OF HIGH POINT WILL PROVIDE NEW HYDRANTS TO REPLACE EXISTING ONES THAT ARE DAMAGED.

PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-3	
DESIGNED BY: DMP			PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16882
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC.			
PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION

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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

UTILITY CONSTRUCTION

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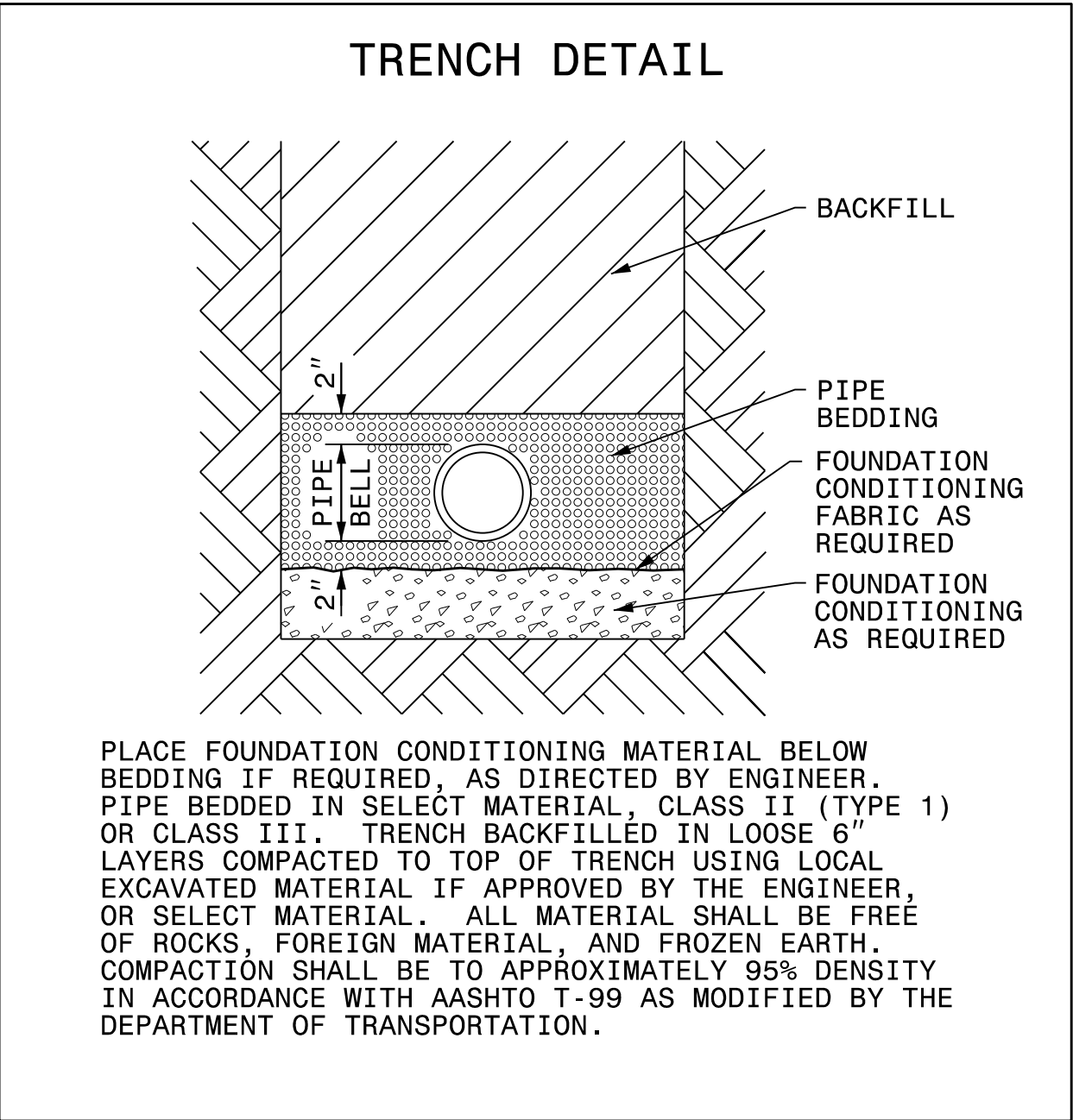
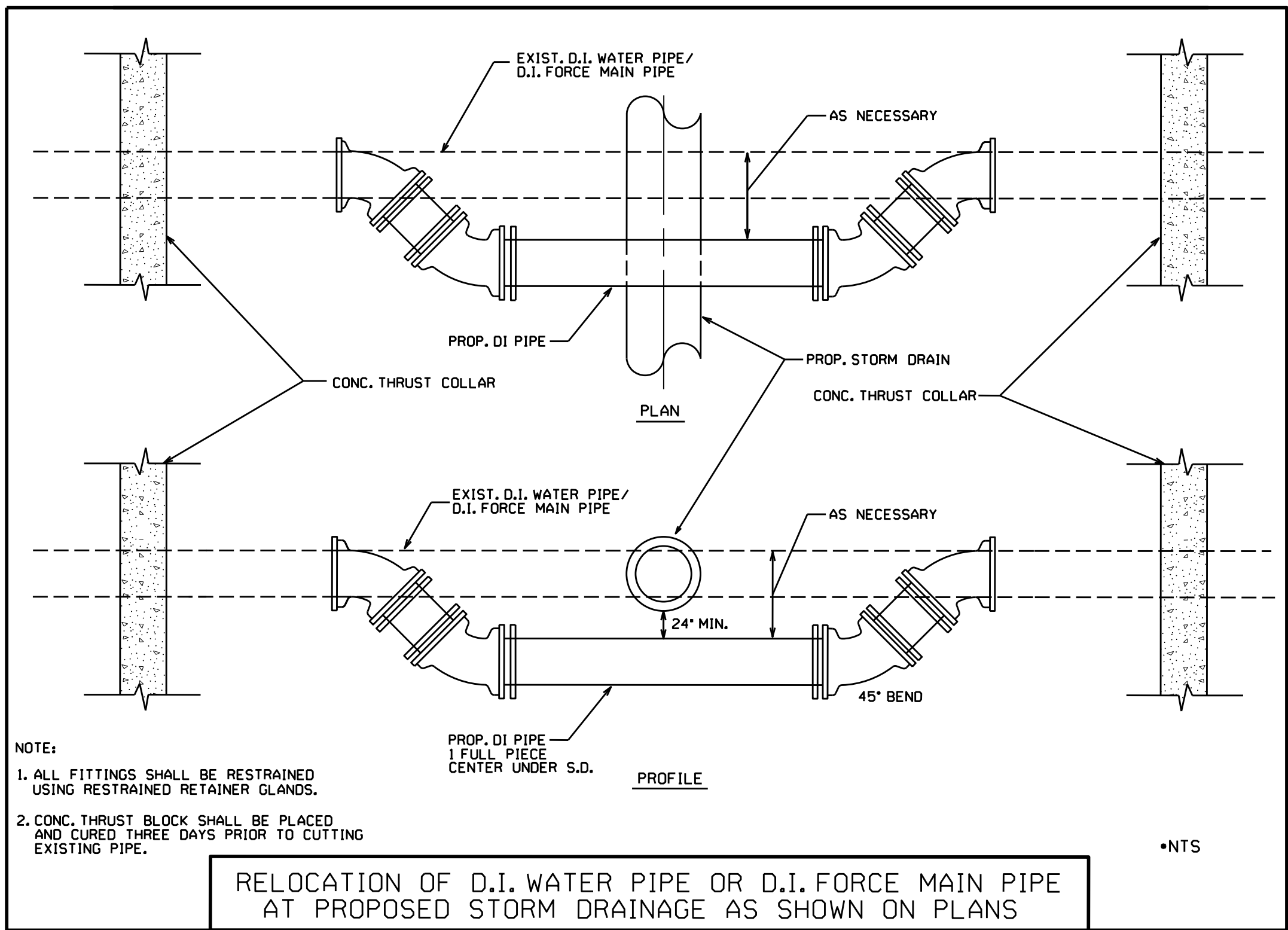
UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

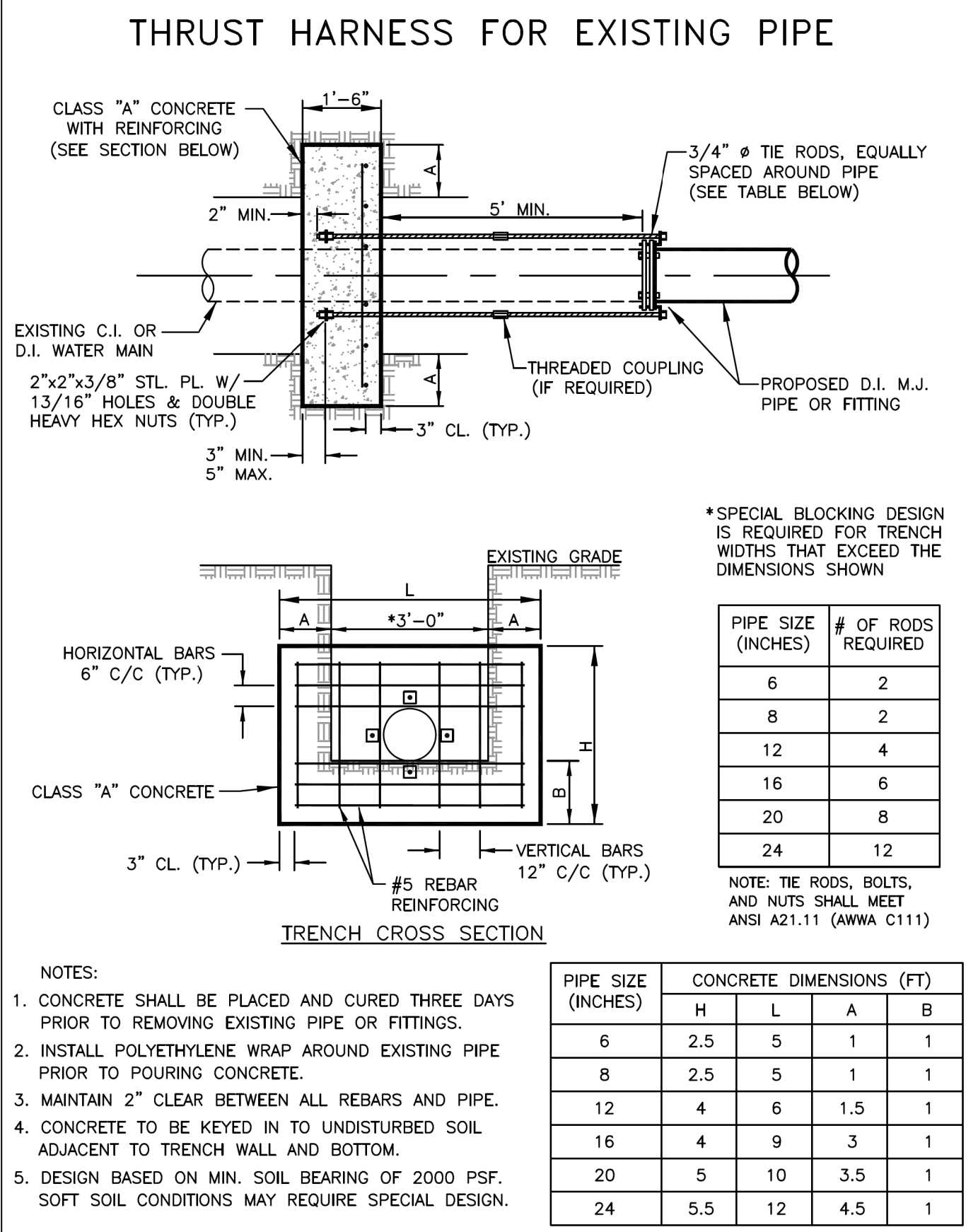
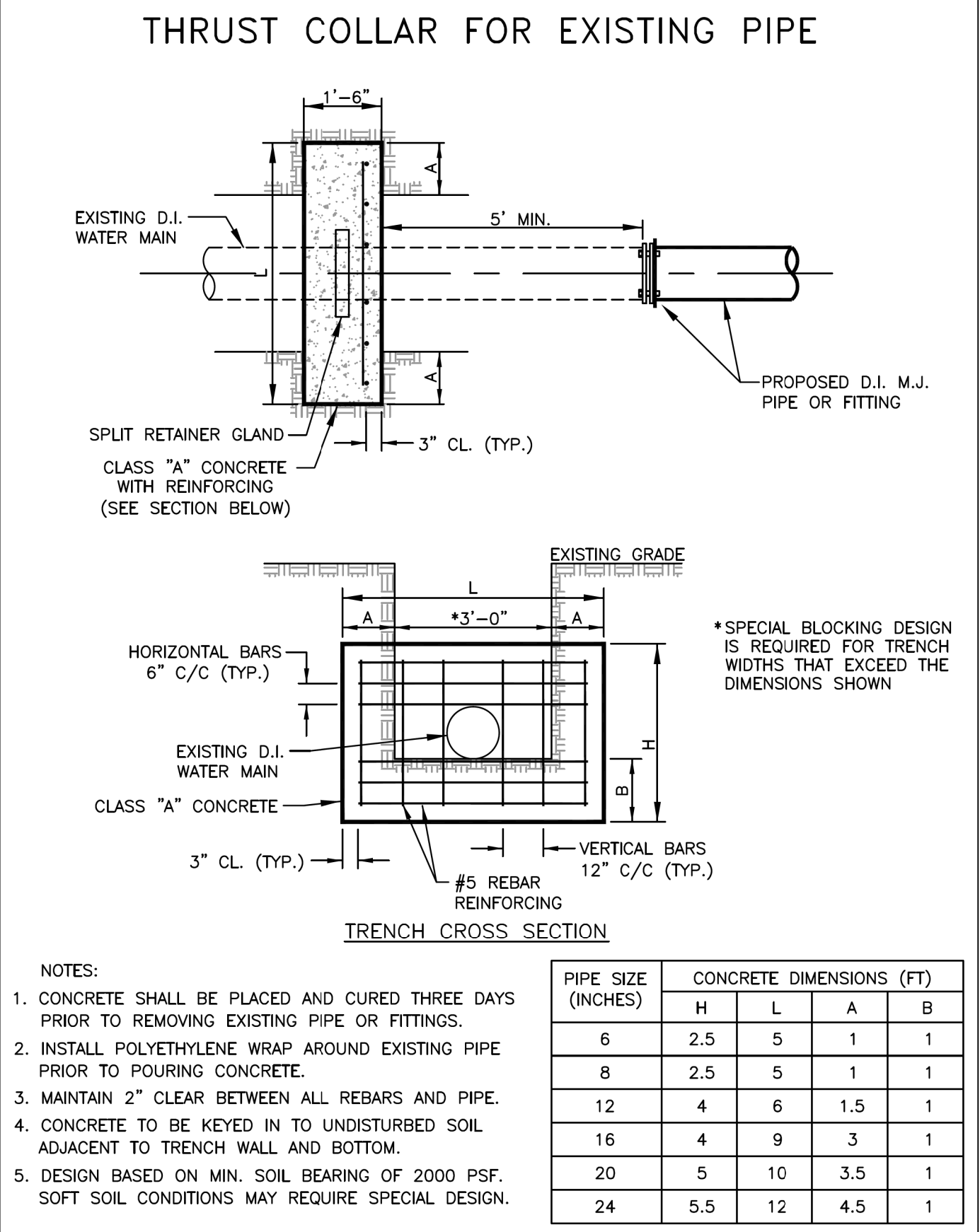
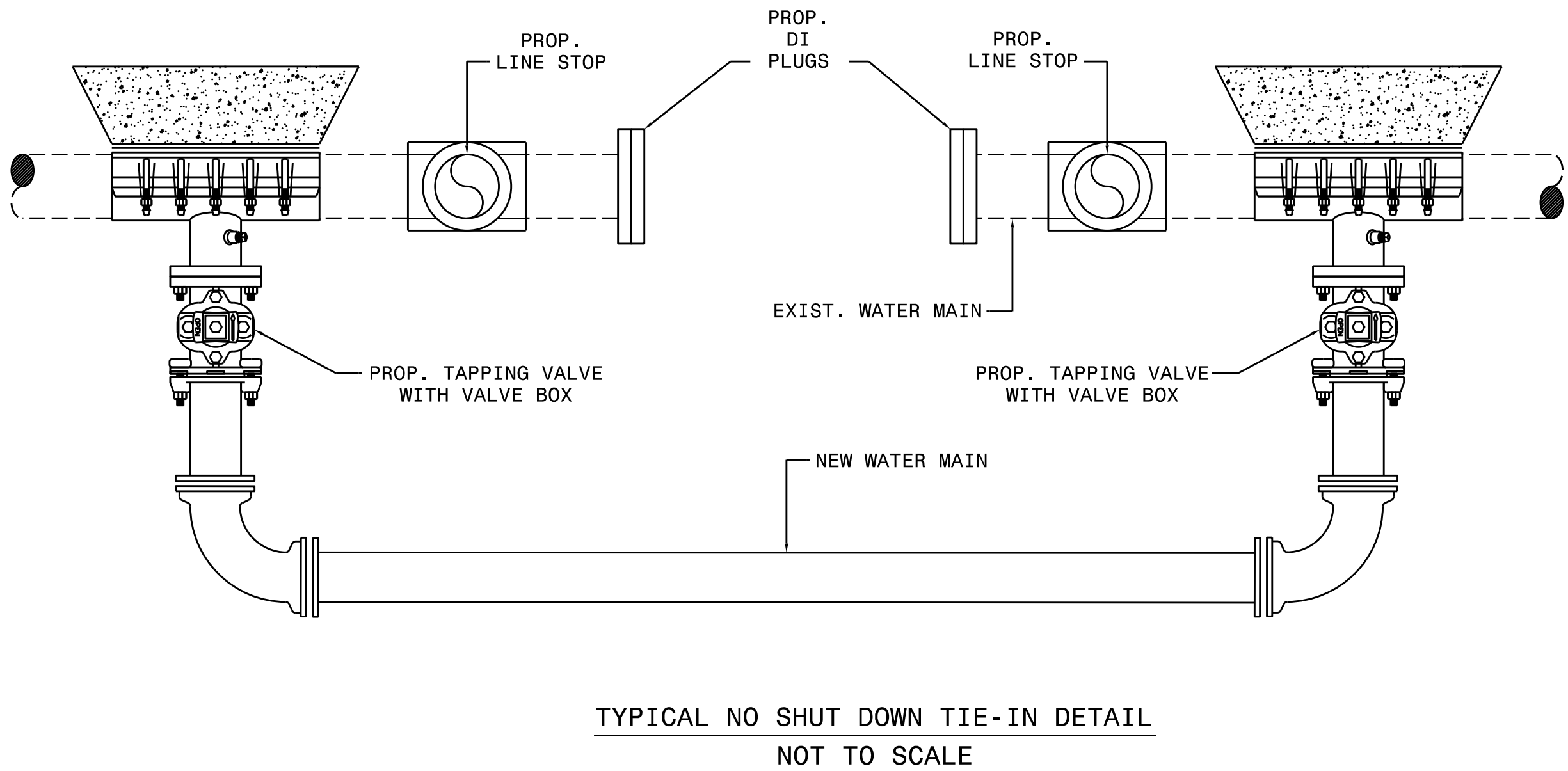


6415 OLD PLANK RD, HIGH POINT, NC 27262
PHONE: (336)886-4821 FAX: (336)886-4458
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PROJECT TYPICAL DETAILS



MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42	60	84



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-3B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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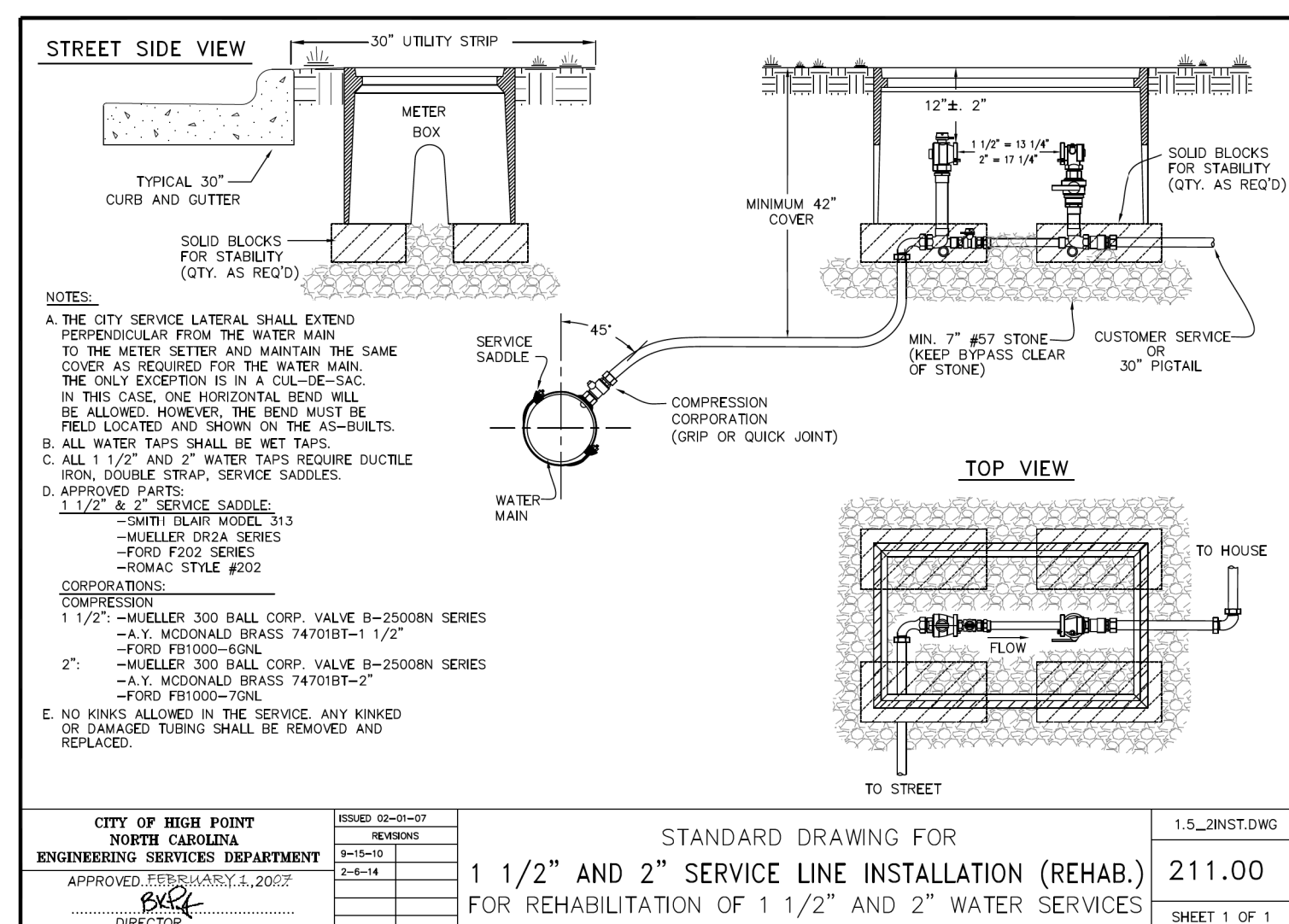
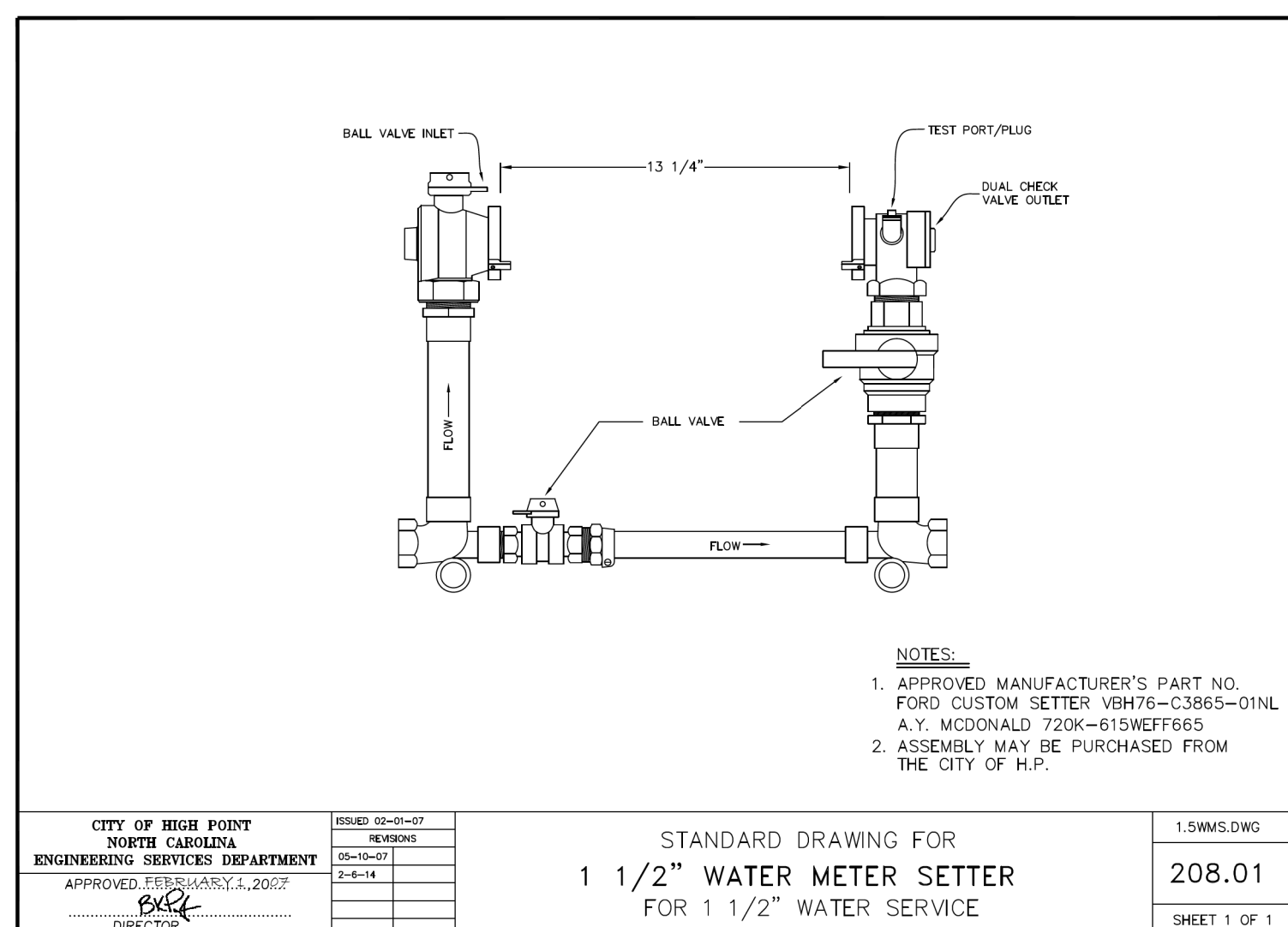
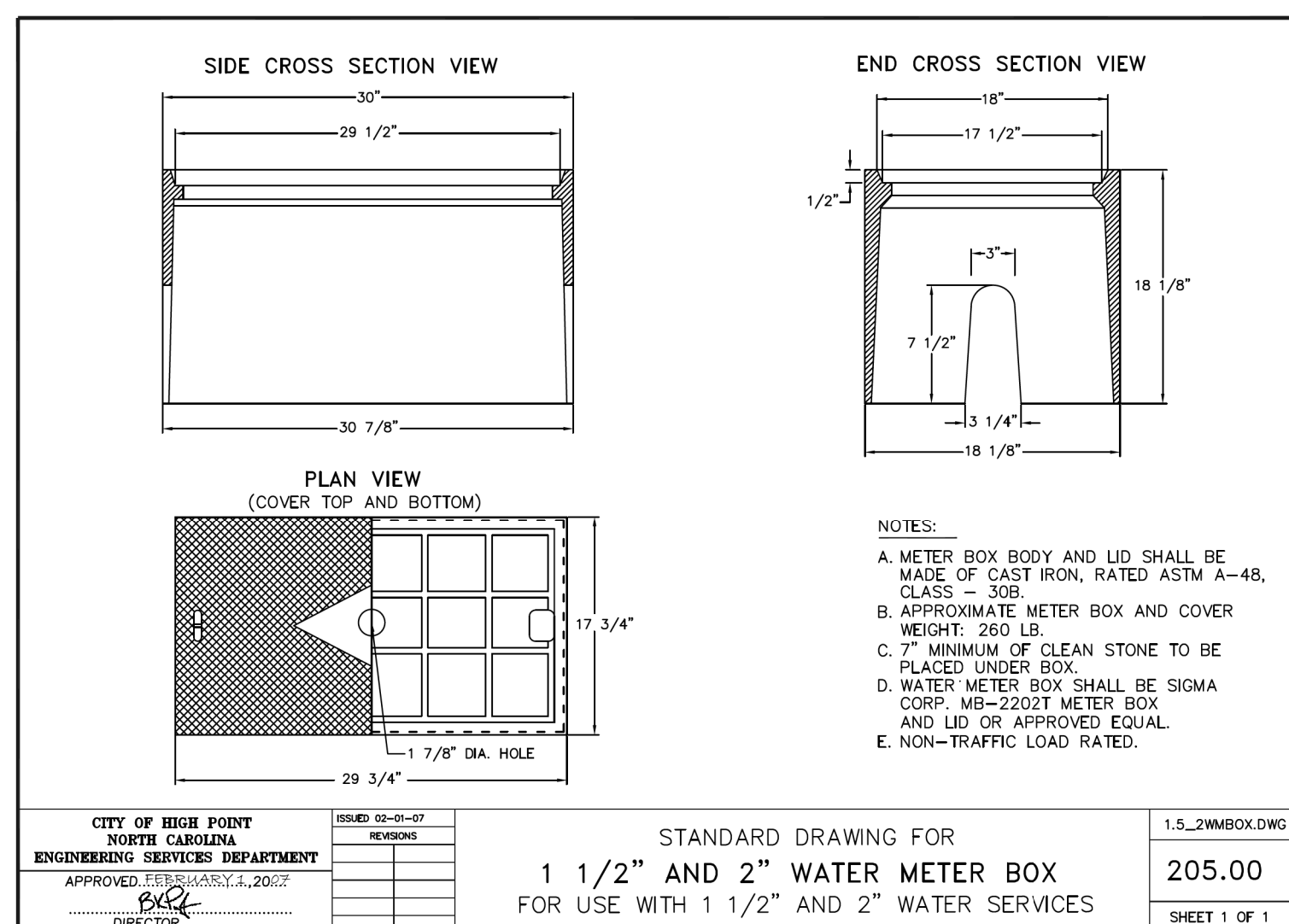
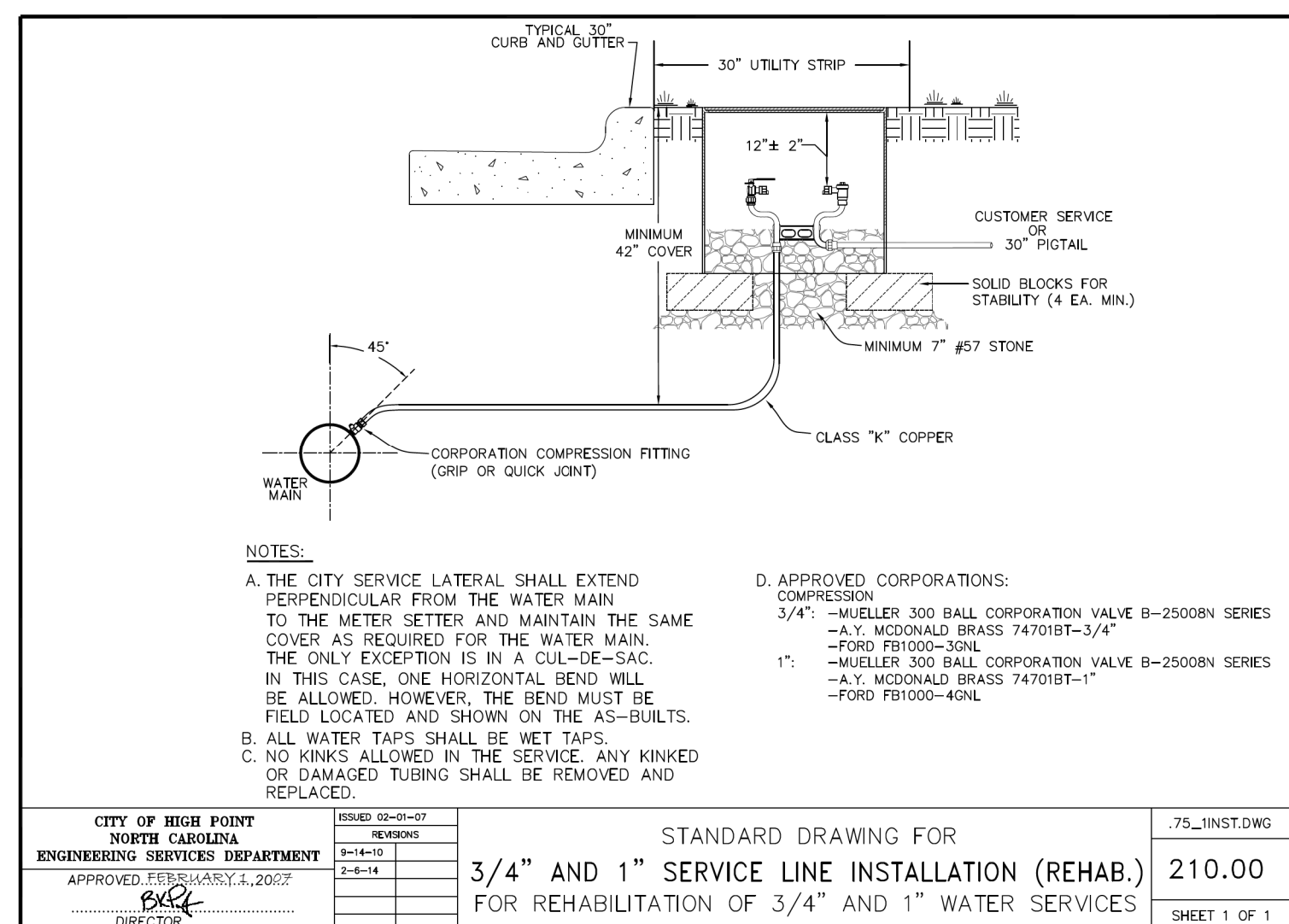
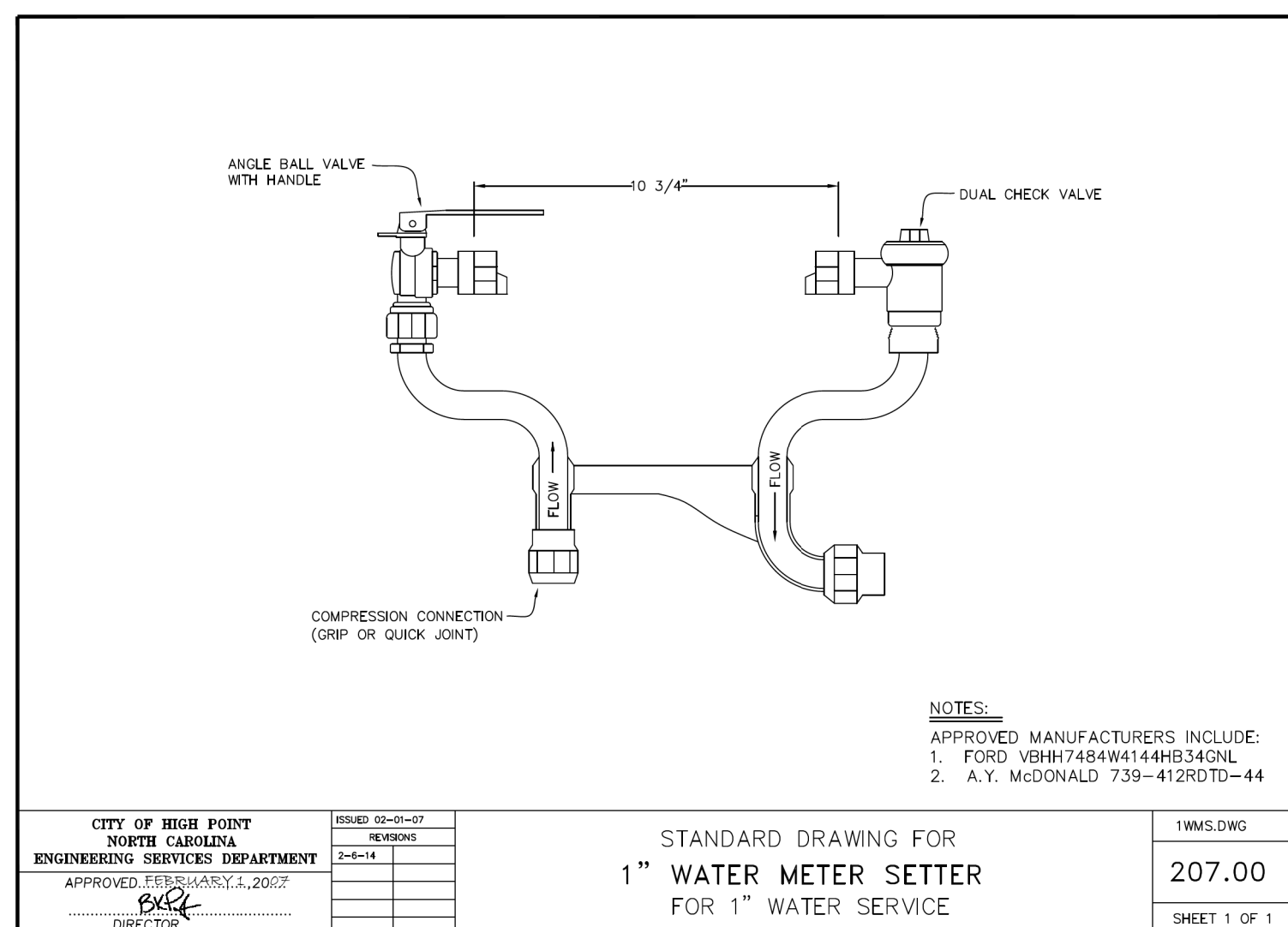
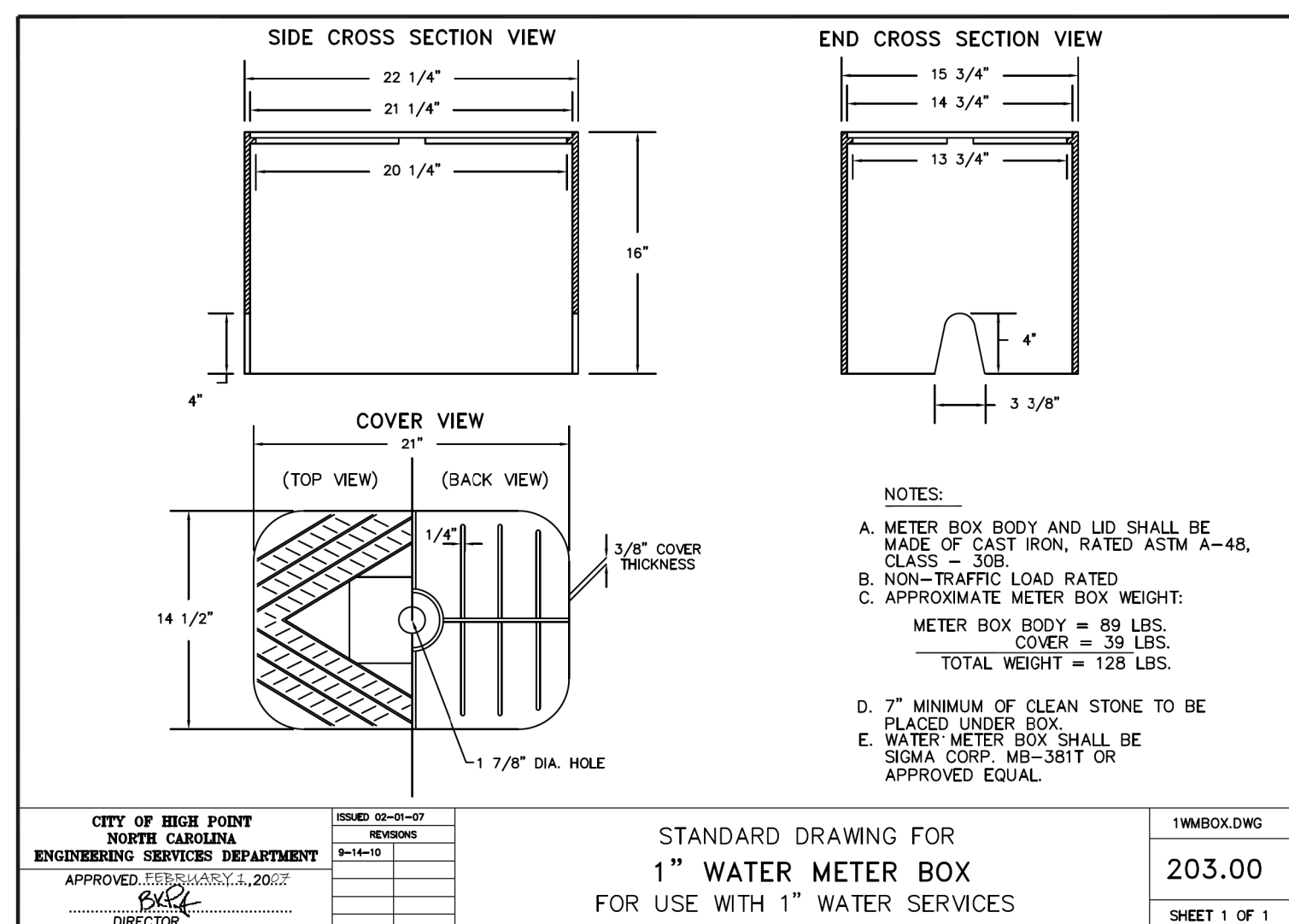
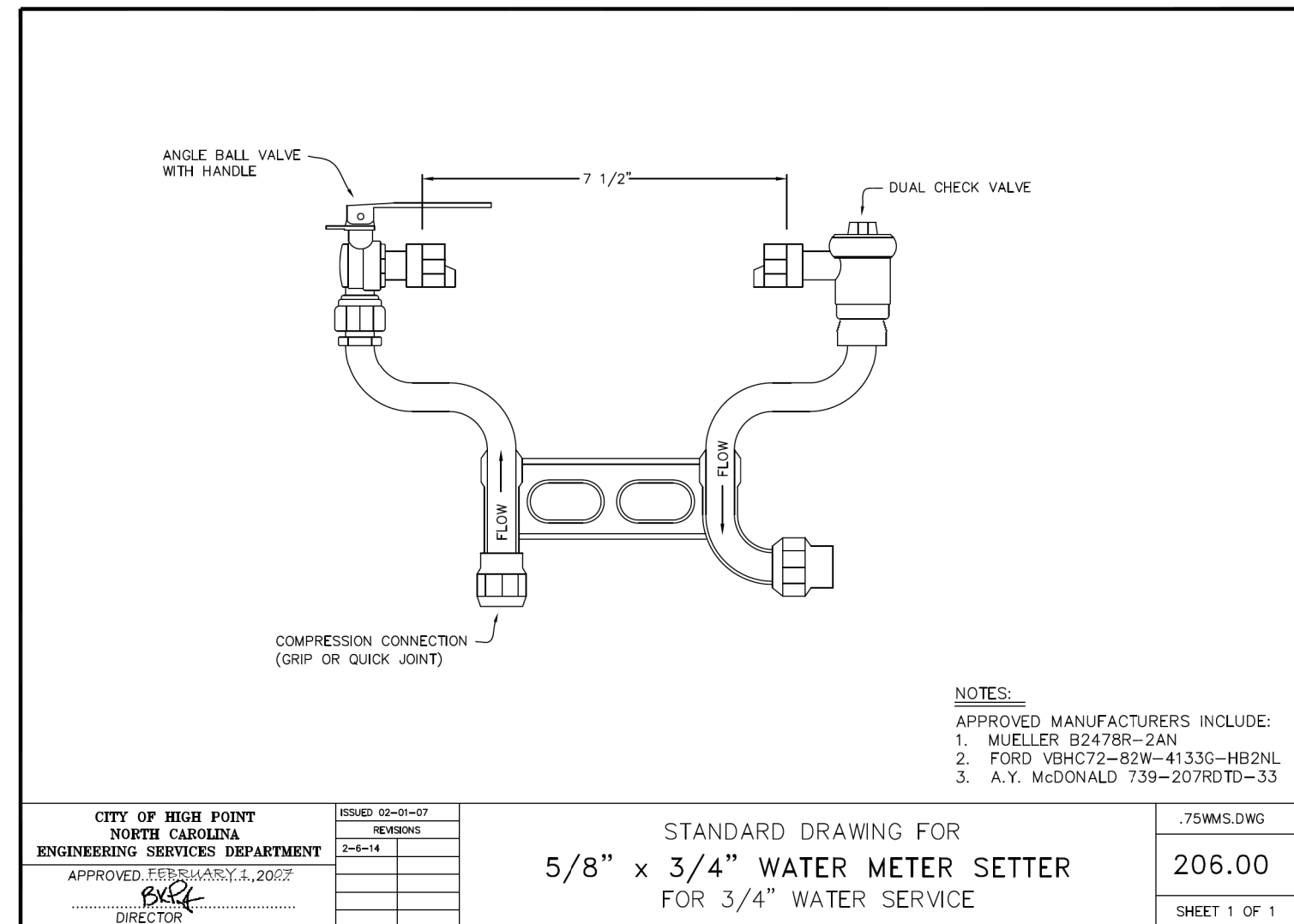
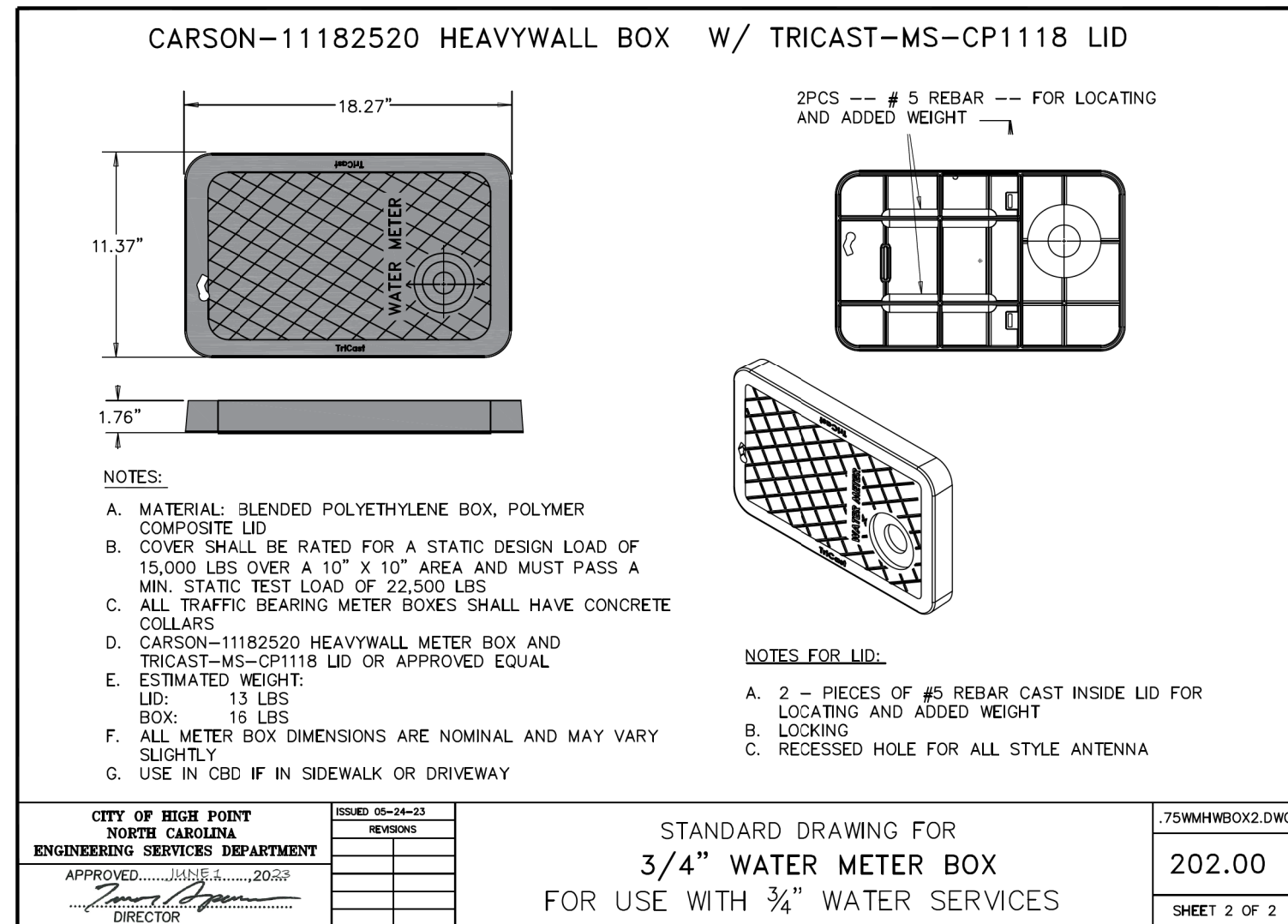
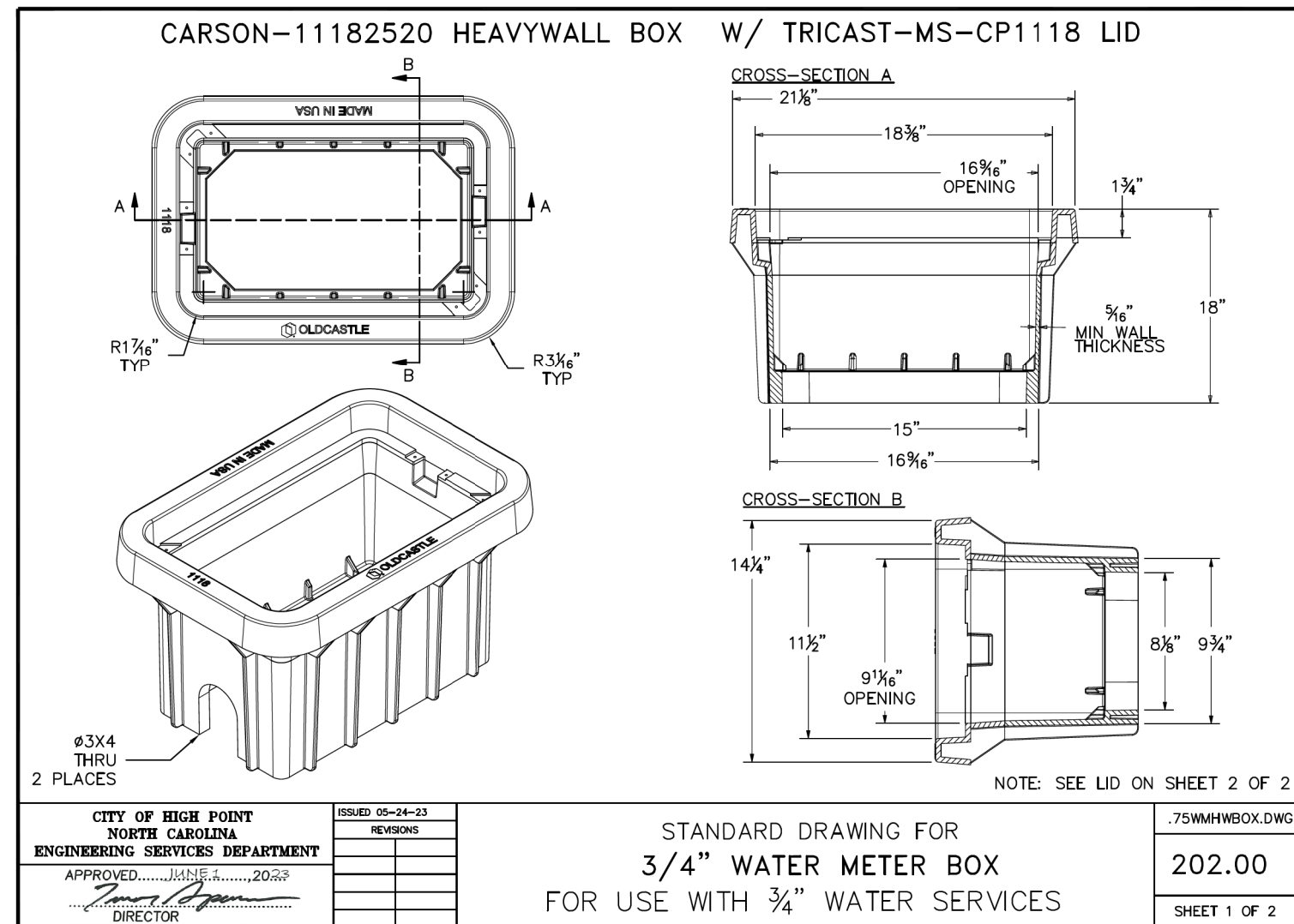
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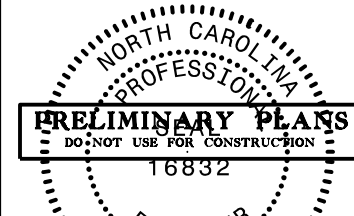
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UTILITY AGREEMENT PLANS

PROJECT TYPICAL DETAILS



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U-4758	UC-3C
DESIGNED BY: DMP	
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CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
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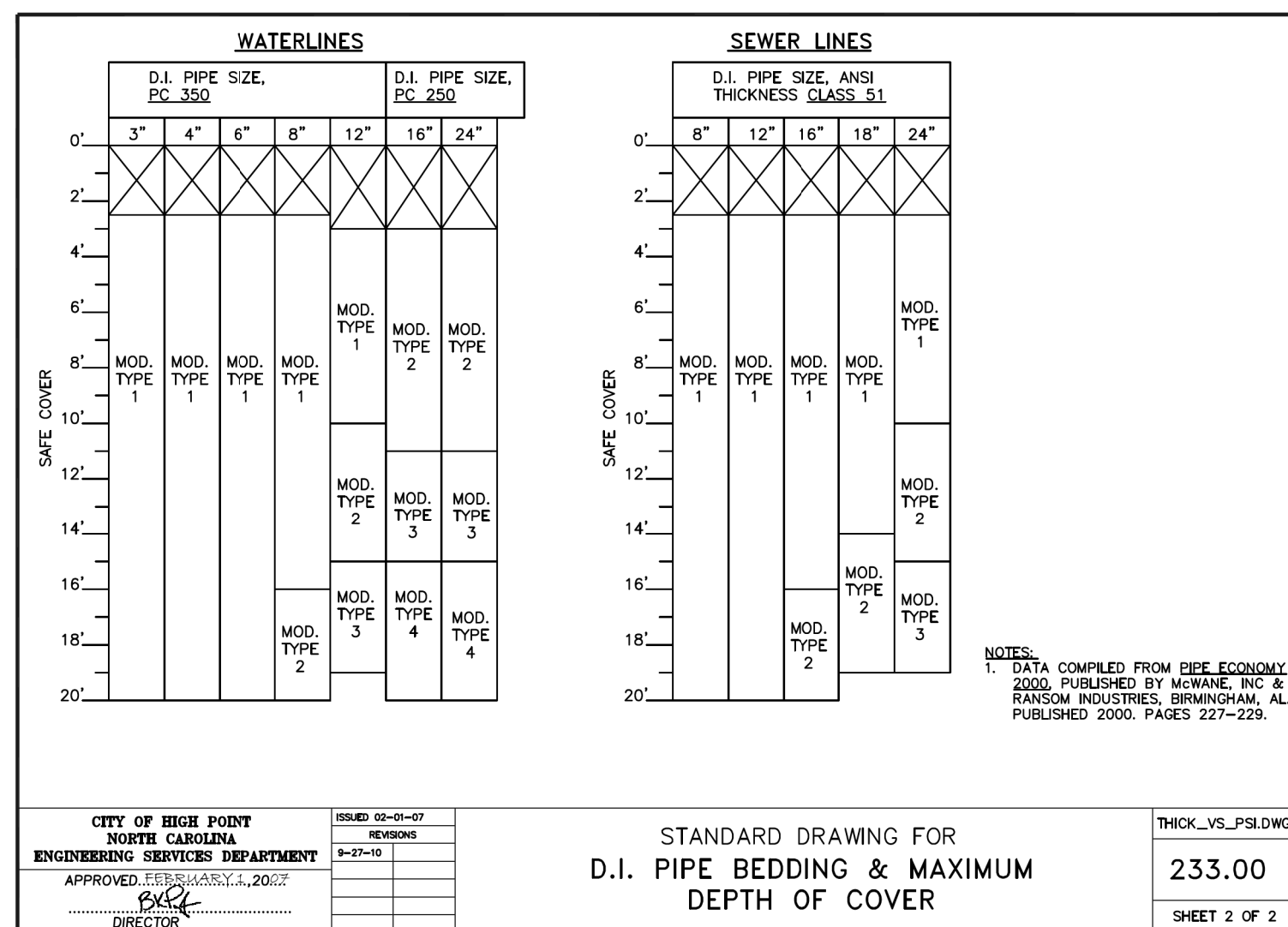
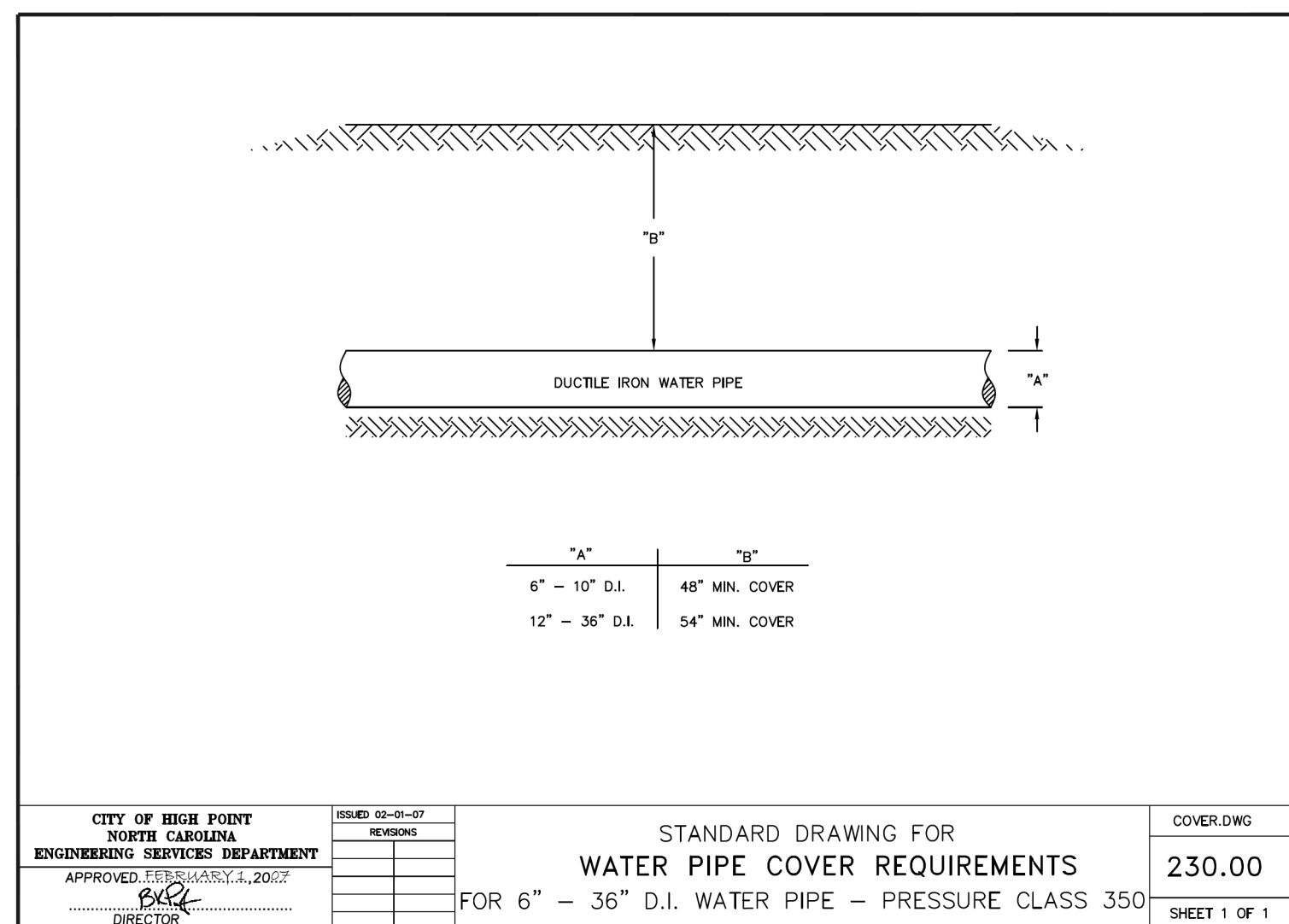
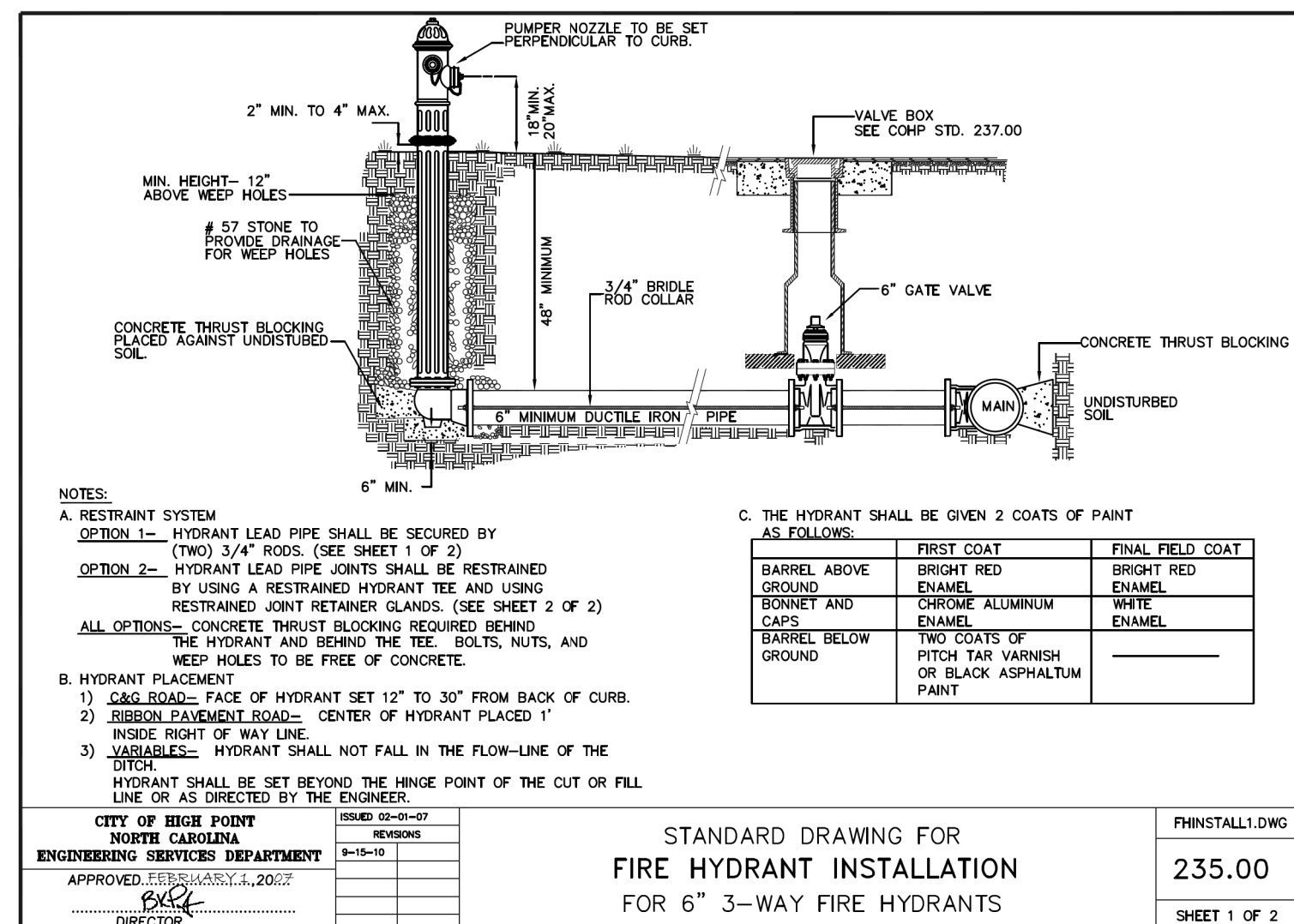
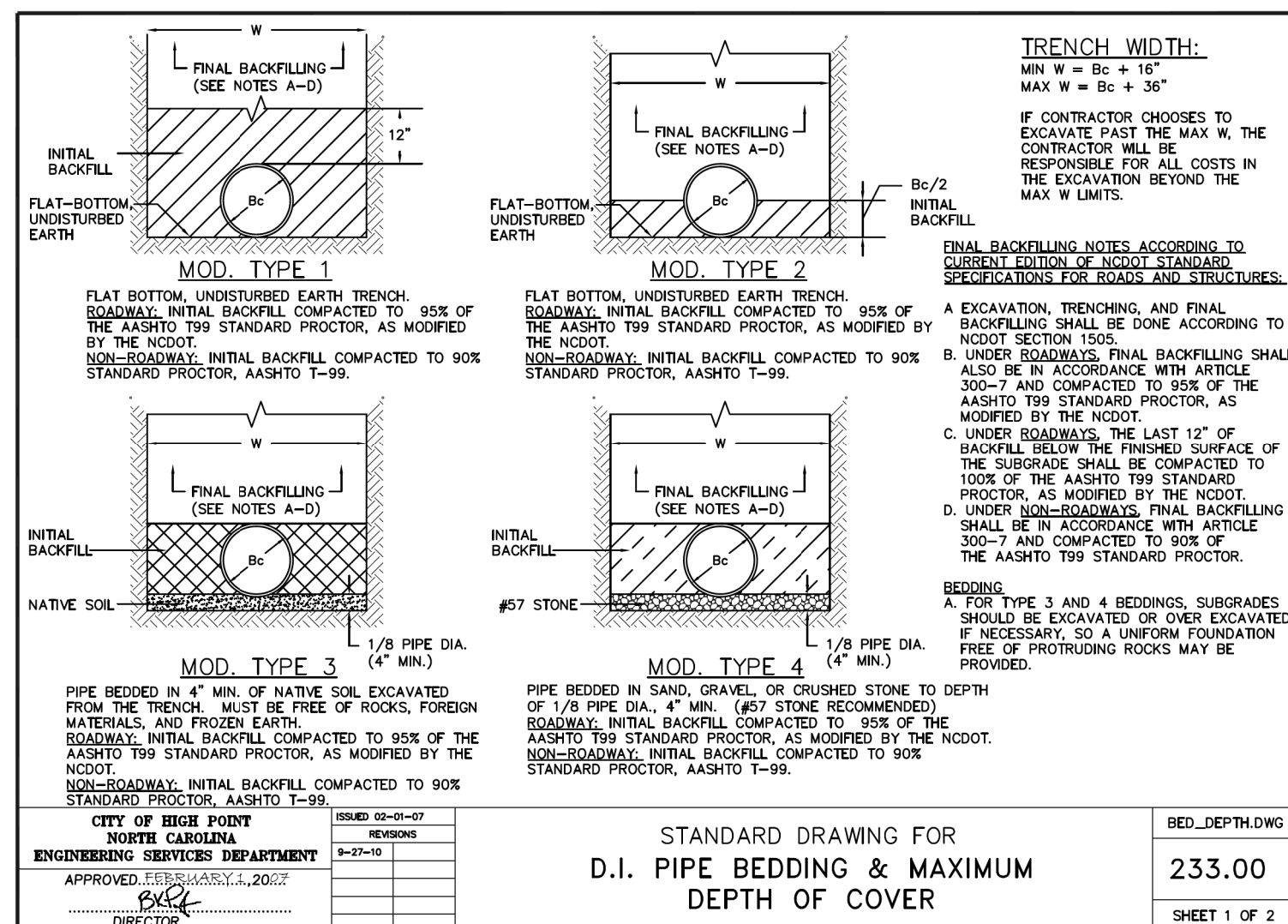
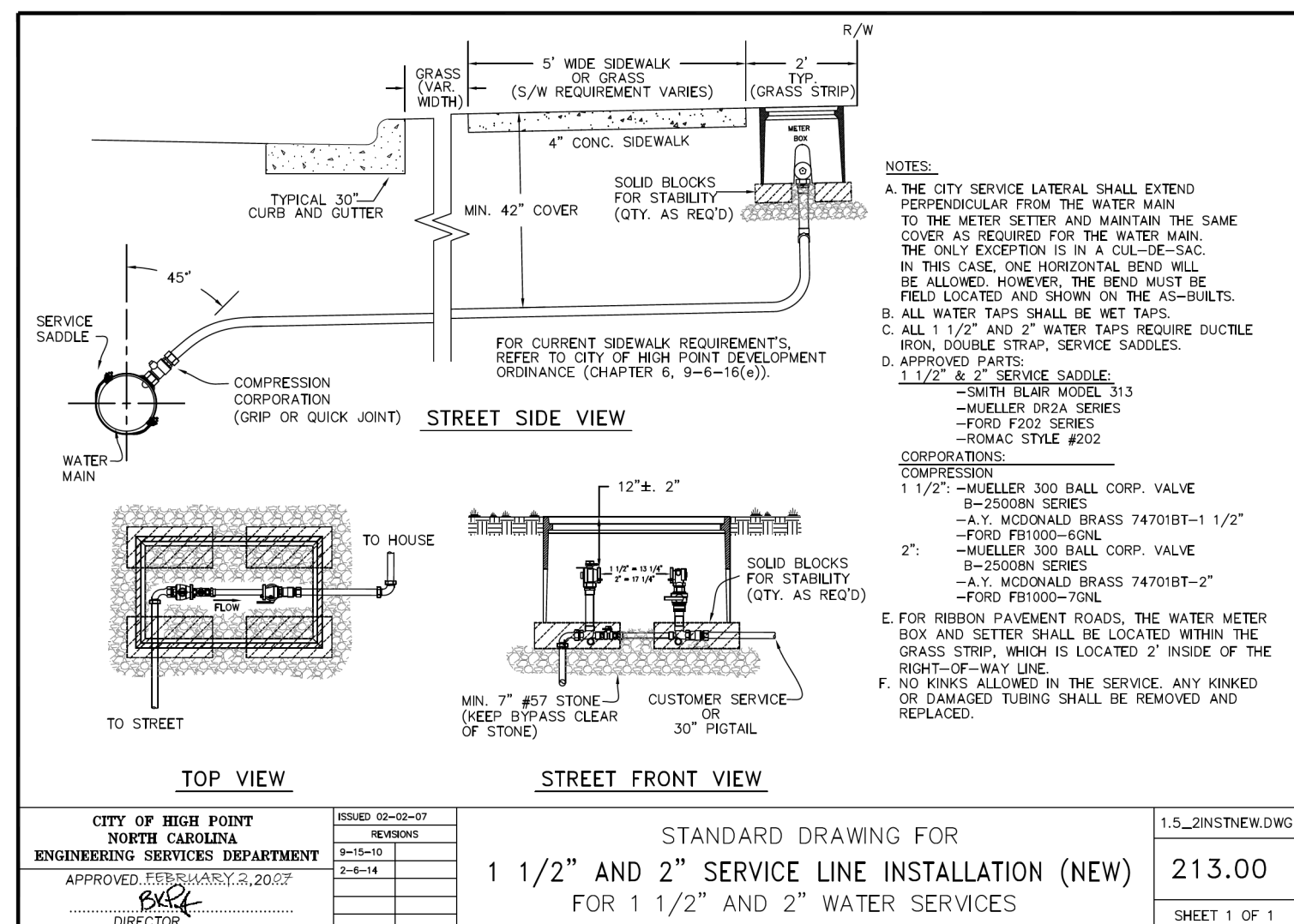
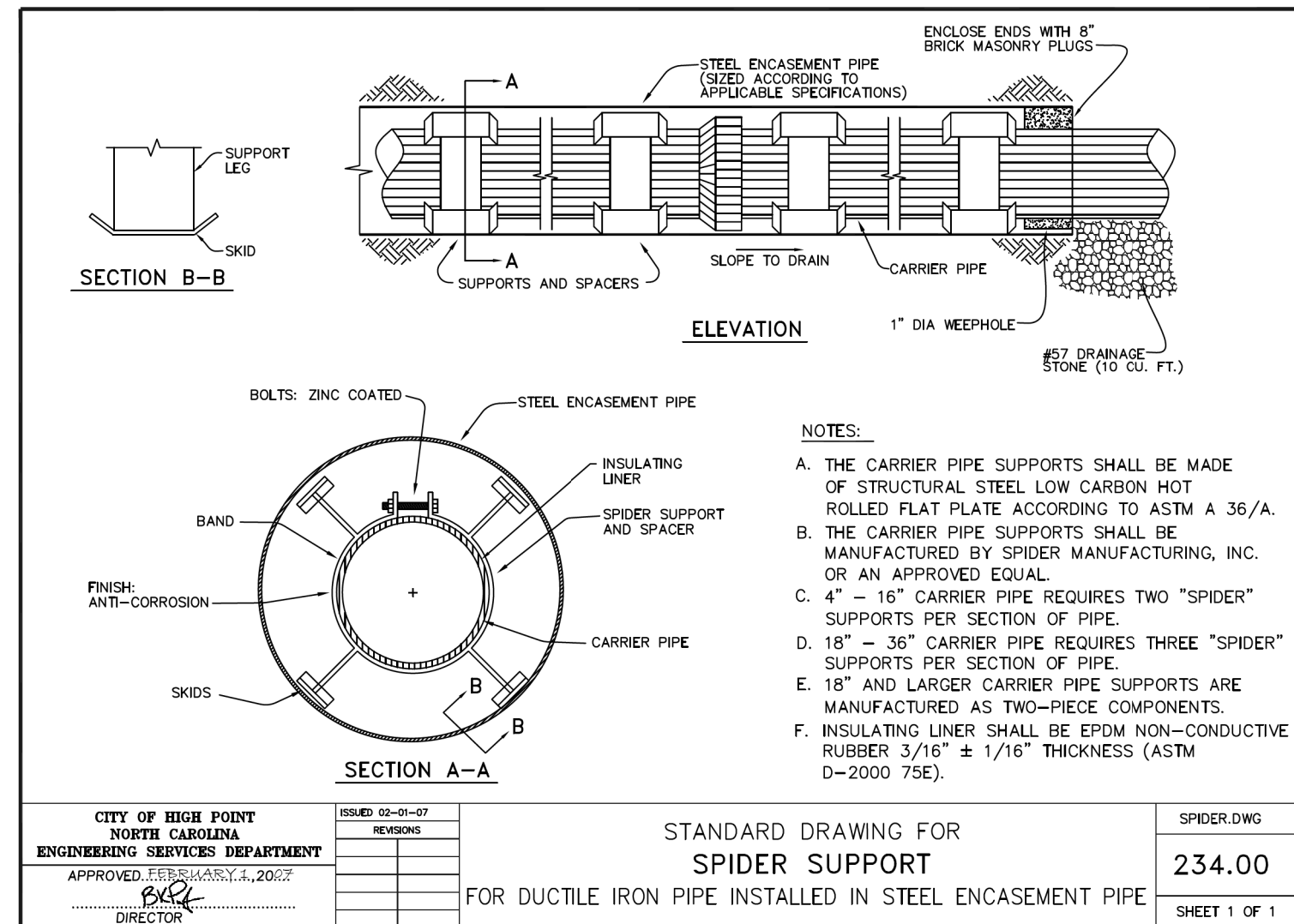
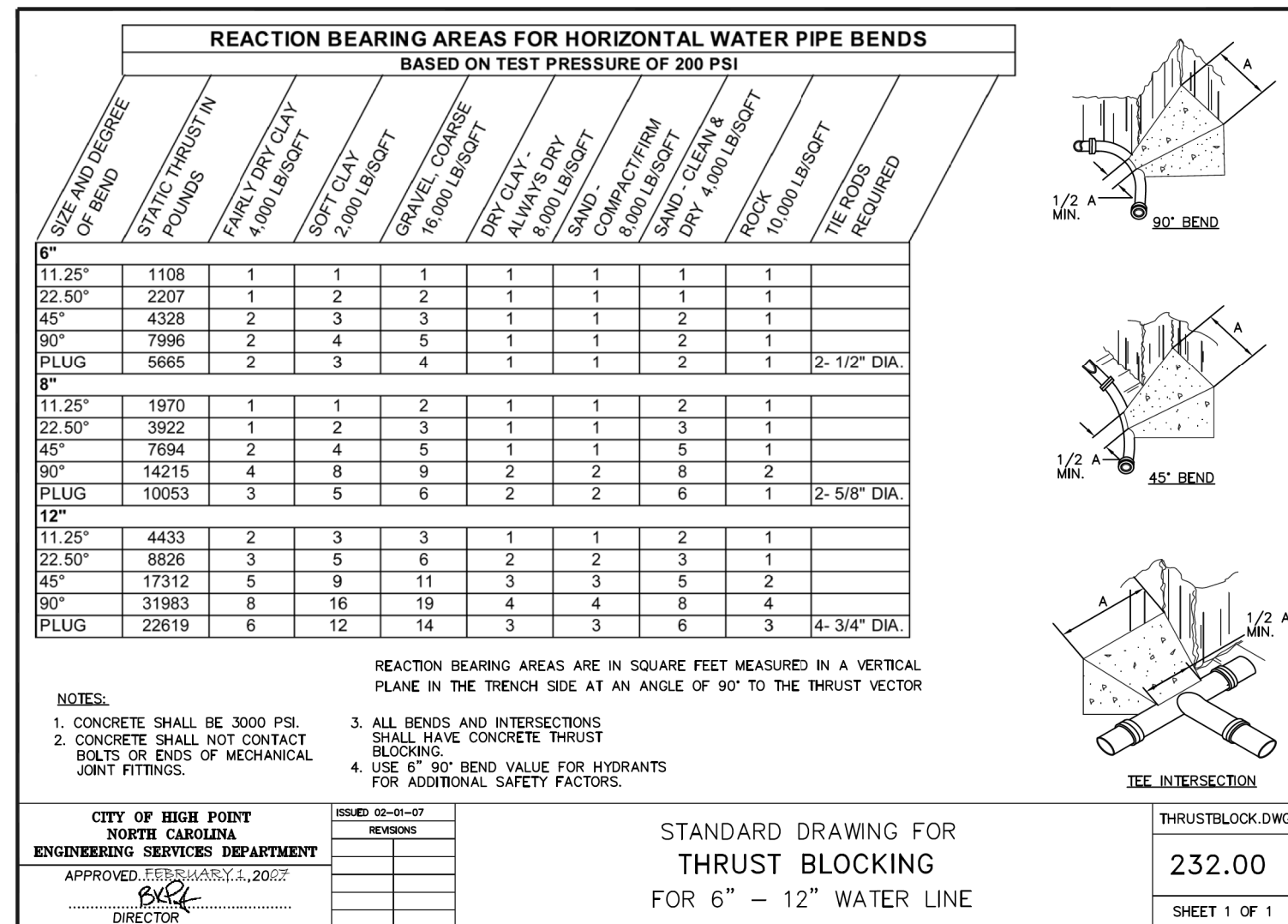
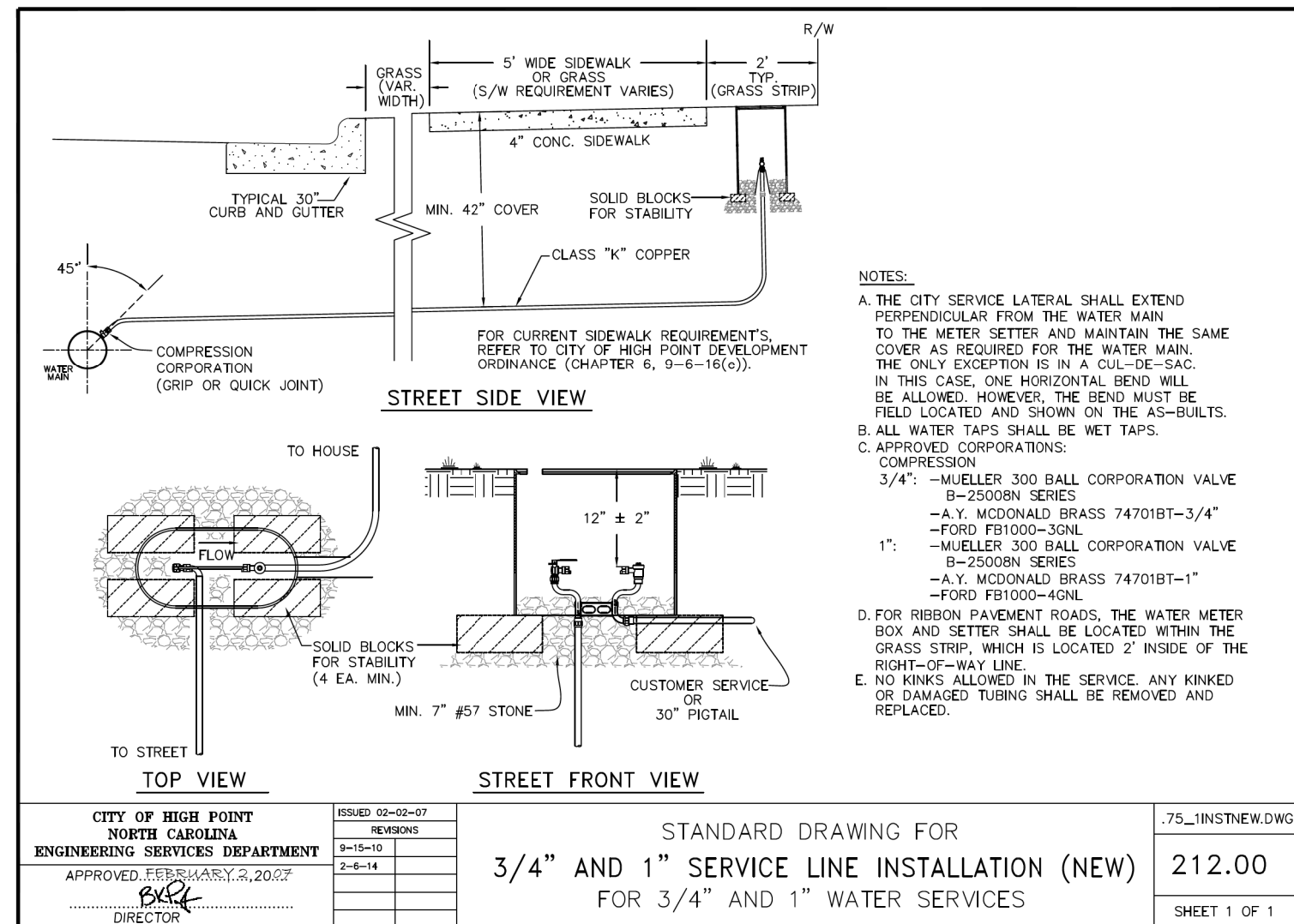
UTILITY AGREEMENT PLANS

REVISIONS

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

PROJECT TYPICAL DETAILS



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-3D
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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UTILITY AGREEMENT PLANS

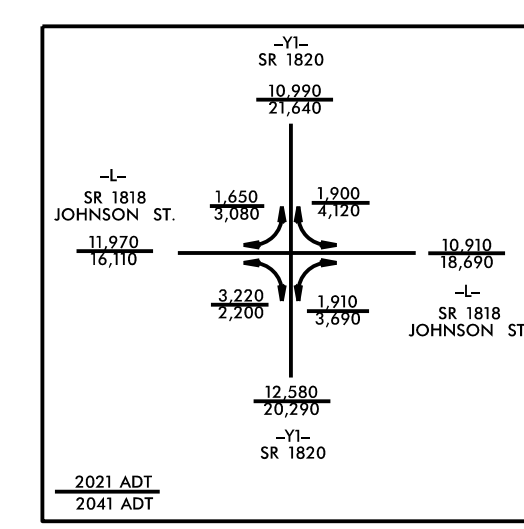
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UTILITY AGREEMENT PLANS

PROP. - 752 L.F.
16" WATER LINE
(PW100 - SEE
UC-28 FOR
PROFILE)

ABANDON 729 L.F. 0
16" UTILITY PIPE

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,455 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



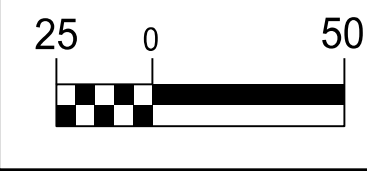
Page 106 of 172

5/14/19

-Y33-
PI Sta 10+85.22
$\Delta = 9^{\circ} 44' 29.7" (RT)$
$D = 5^{\circ} 43' 46.5"$
$L = 170.02'$
$T = 85.22'$
$R = 1,000.00'$
$SE = NC$
$LR = N/A$

-Y34-
PI Sta 12+15.97
$\Delta = 4^{\circ} 19' 52.3" (LT)$
$D = 7^{\circ} 09' 43.1"$
$L = 60.48'$
$T = 30.25'$
$R = 800.00'$
$SE = NC$
$LR = N/A$

-L-
PI Sta 24+77.08
$\Delta = 64^{\circ} 54' 30.9" (RT)$
$D = 6^{\circ} 09' 39.0"$
$L = 1053.57'$
$T = 591.43'$
$R = 930.00'$
$SE = 0.04$
$LR = 192'$



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-5
DESIGNED BY: DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION NORTH CAROLINA PROFESSIONAL ENGINEER JAMES S. MOORE 16832
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
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UTILITY CONSTRUCTION

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UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-6
-L- STA 35+00

PROP. -
1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE,
12 L.F. FIRE
HYDRANT LEG
(EX. HYDRANT
LOCATED LEFT
OF STA 22+25
-L-)

PROP. - 379 L.F.
16" WATER LINE
(PW100 - SEE
UC-28 FOR
PROFILE)

ABANDON 365 L.F. OF
16" UTILITY PIPE

PROP. - 424 L.F.
16" WATER LINE
(PW200 - SEE UC-28
FOR PROFILE)

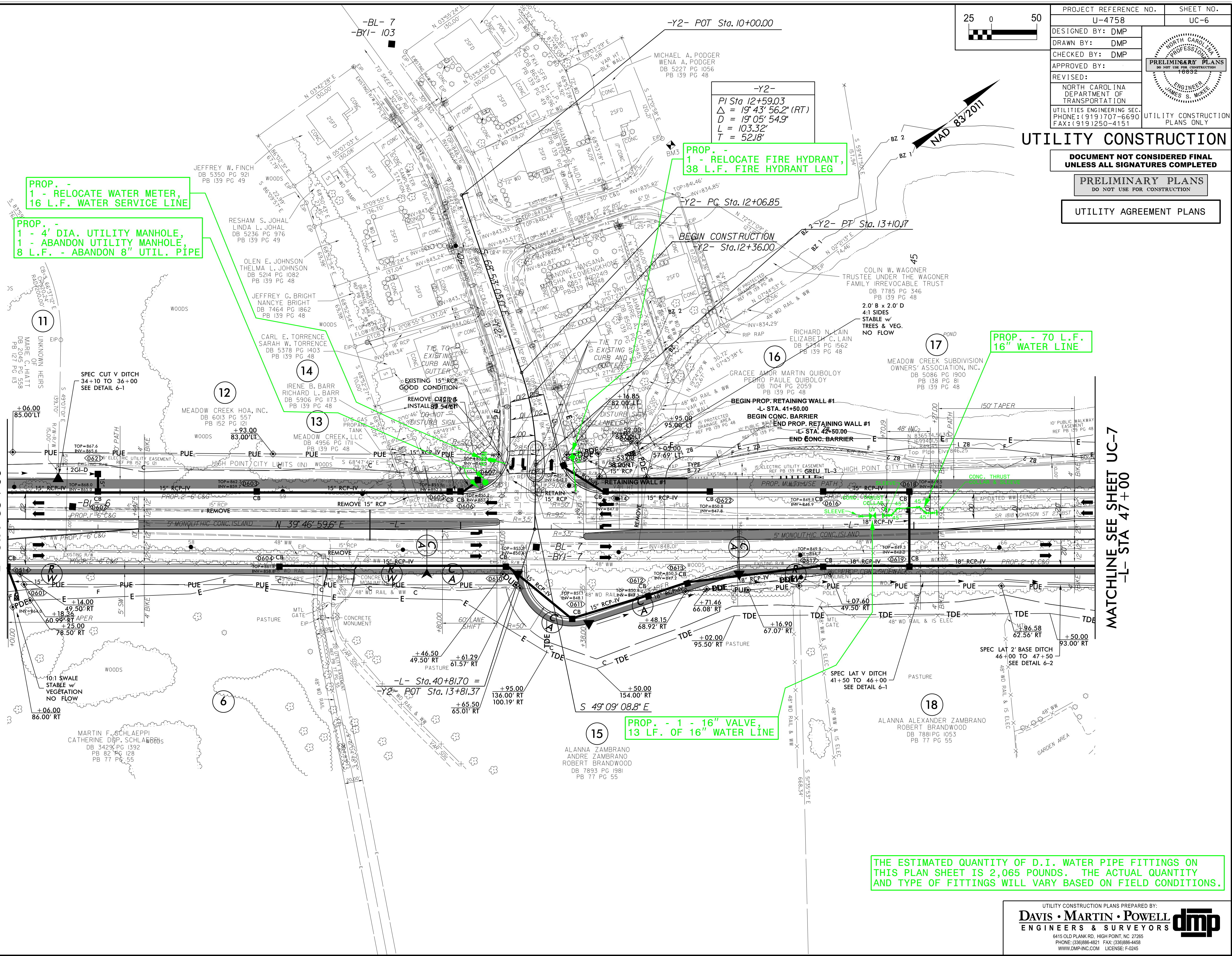
ABANDON 409 L.F. OF
16" UTILITY PIPE

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 5,375 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
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\$\$\$\$\$ISFRNAME\$\$\$\$\$

MATCHLINE SEE SHEET UC-5
-L- STA 35+00



MATCHLINE SEE SHEET UC-7
-L- STA 47+00

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,065 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

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ENGINEERS & SURVEYORS

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UTILITY AGREEMENT PLANS

(PW400 -
SEE UC-29
FOR PROFILE)

CL B RIPRAP
TOE PROTECTION
58+50 TO 60+50
EST 92 TONS
EST 266 SY GFD

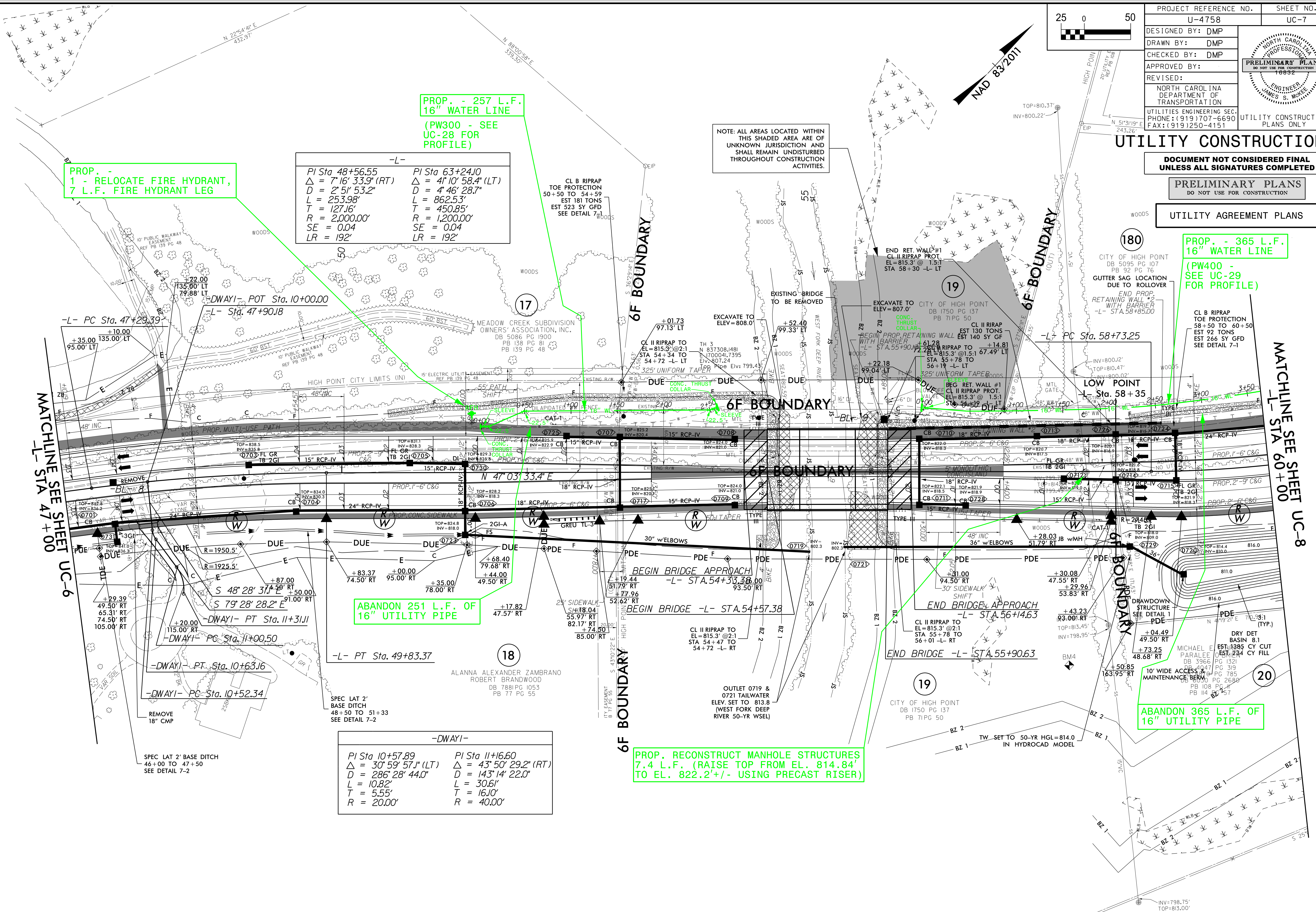
ABANDON 365 L.F.
16" UTILITY PIPE

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DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,425 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

REVISIONS

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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,895 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 248 L.F.
16" WATER LINE
(PW400 - SEE
UC-28 FOR PROFILE)

PROP. -
1 - RELOCATE FIRE HYDRANT,
1 - 6" VALVE,
10 L.F. FIRE HYDRANT LEG
(EX. HYDRANT LOCATED
LEFT OF STA 60+03 -L-)

-L-
PI Sta 63+24.10
$\Delta = 4^{\circ} 10' 58.4''$ (LT)
$D = 4^{\circ} 46' 28.7''$
$L = 862.53'$
$T = 450.85'$
$R = 1,200.00'$
$SE = 0.04$
$LR = 192'$

PROP. - 56 L.F.
6" WATER LINE

ABANDON 249 L.F. OF
16" UTILITY PIPE

-DWAY2-

PI Sta	10+98.21
Δ	= 16° 34' 32.1" (RT)
D	= 38° 11' 49.9"
L	= 43.39'
T	= 21.85'
R	= 150.00'

UTILITY CONSTRUCTION

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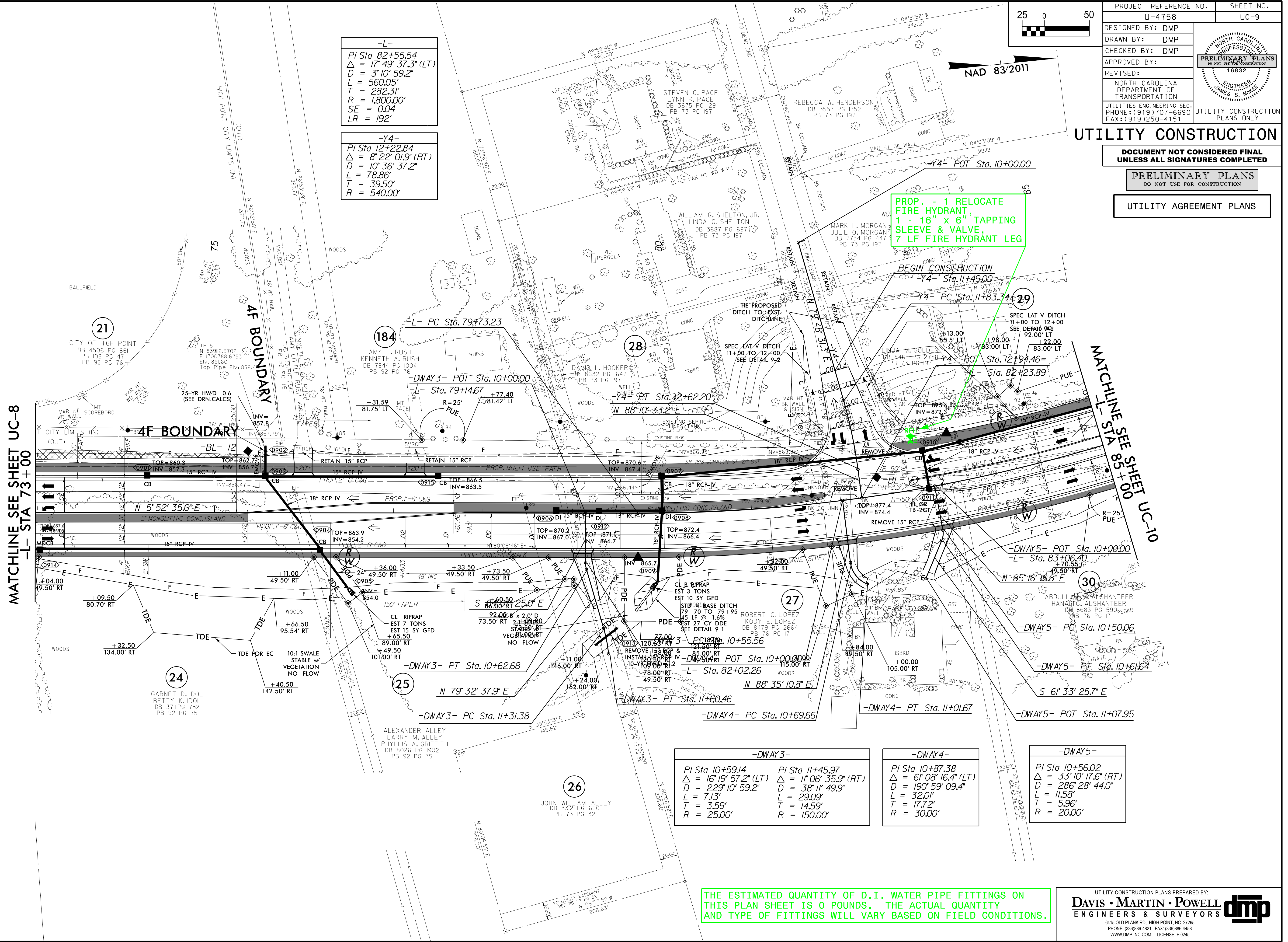
PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-9
 -L- STA 73+00

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\$\$\$\$\$ISFRNAME\$\$\$\$\$

MATCHLINE SEE SHEET UC-8
-L- STA 73+00



UTILITY CONSTRUCTION

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PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-9	
DESIGNED BY: DMP			
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151		UTILITY CONSTRUCTION PLANS ONLY	

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 0 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

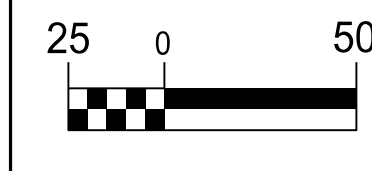
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ENGINEERS & SURVEYORS

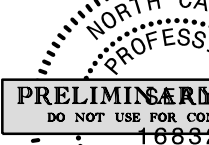
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NAD 83/2011

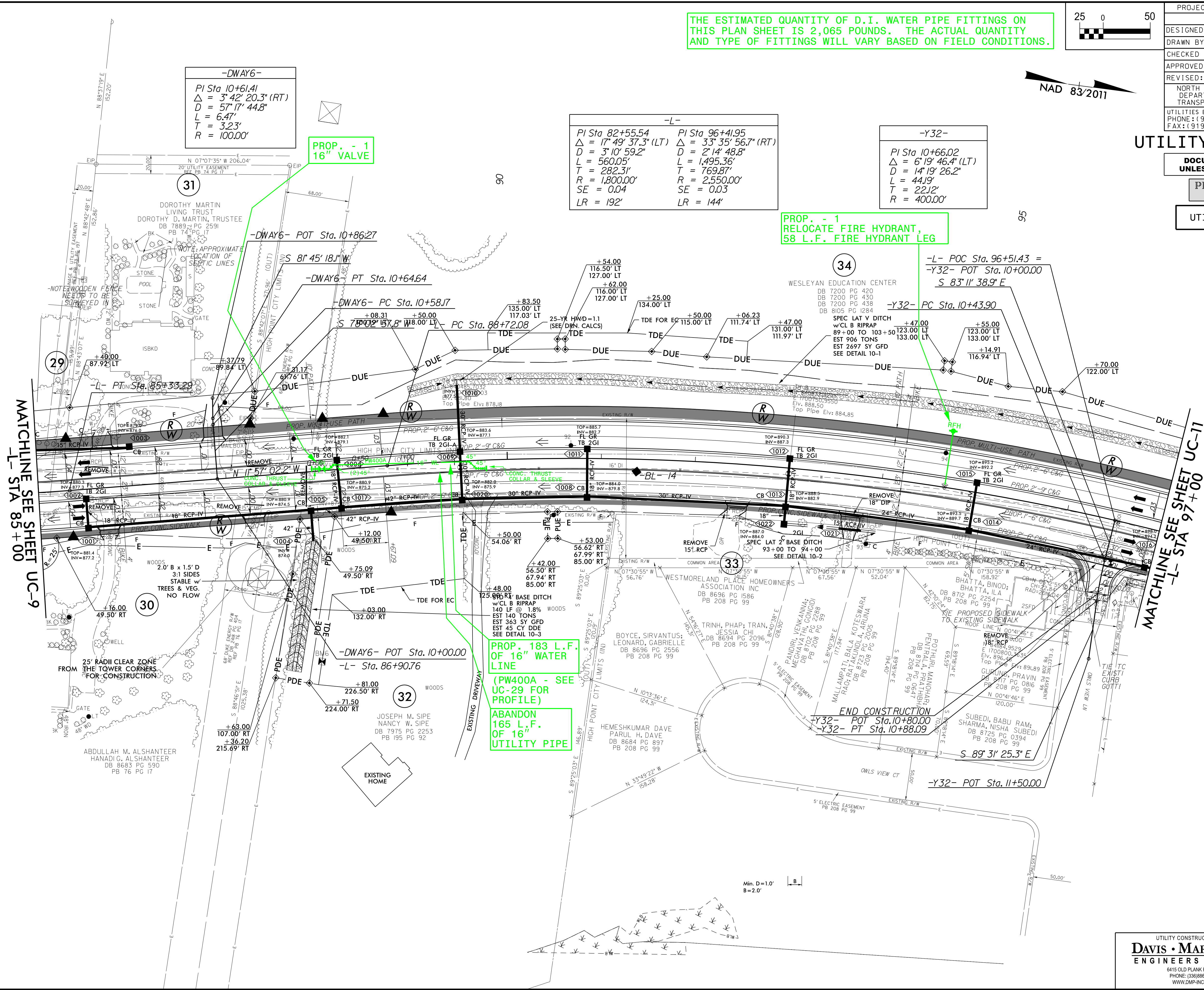
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-10	
DESIGNED BY: DMP		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16892 ENGINEER JAMES S. WICKER	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
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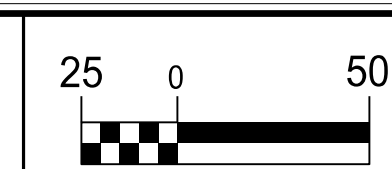
UTILITY CONSTRUCTION

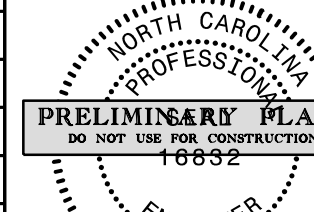
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45

MATCHLINE SEE SHEET UC-12
-L- STA 110+00

43

-Y30-
PI Sta 12+23.65
Δ = 5' 37" 40.8" (LT)
D = 10' 25' 02.7"
L = 540.2'
T = 27.03'
R = 550.00'

-L-	
PI Sta 96+41.95 Δ = 3' 35' 56.7" (RT) D = 2' 14' 48.8" L = 1,495.36' T = 769.87' R = 2,550.00' SE = 0.03 LR = 144'	PI Sta 106+73.36 Δ = 20' 24' 12.1" (RT) D = 3' 22' 13.2" L = 605.38' T = 305.93' R = 1,700.00' SE = 0.04 LR = 192'

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,315 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
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PROP. - 326 L.F.
OF 12" WATER LINE
(PW501 - SEE
UC-30 FOR PROFILE)

PROP. - 1 - 16" VALVE,
1 - 16" LINE STOP,
13 L.F. OF 16" WATER LINE

PROP. - 1 - 16" VALVE
1 - 12" VALVE
16" X 12" CROSS

PROP. - 191 L.F.
OF 16" WATER LINE
(PW500 - SEE
UC-29 FOR PROFILE)

PROP. - 50 L.F.
OF 16" WATER LINE

PROP. - 1 - RELOCATE FIRE HYDRANT,
1 - 6" VALVE, 21 L.F. FIRE
HYDRANT LEG

ABANDON 229 L.F. OF
16" UTILITY PIPE

ABANDON 129 L.F.
OF 12" UTILITY
PIPE

PROP. - 26 L.F.
OF 16" WATER LINE
(PW600 - SEE
UC-30 FOR PROFILE)

ABANDON 224 L.F.
OF 12" UTILITY
PIPE

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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

NAD 83/2011

-Y7-
<i>PI Sta 12+45.67</i> $\Delta = 11^{\circ} 14' 36.9''$ (LT) $D = 19^{\circ} 05' 54.9''$ $L = 58.87'$ $T = 29.53'$ $R = 300.00'$

-Y6-
PI Sta 13+74.31
$\Delta = 5^\circ 43' 10.8''$ (RT)
$D = 9^\circ 32' 57.5''$
$L = 59.90'$
$T = 29.97'$
$R = 600.00'$
$DS = 15$ MPH

10:1 V DITCH
STABLE w/ —
RIPPER —

48

YTERIAN HOMES, INC.

1738 PG 406

5121PG 1122

5129 PG 1761

662 PG 1933

466 PG 1693

619 PG 2875

3212 PG 629

59 PG 78

129 PG 44

132 PG 120

164 PG 75

165 PG 59

178 PG 136

INV=5

PROP. - 1
10" RPZ BACKFLOW
PREVENTER

PROP. - 48 L.F.
OF 12" WATER LINE

PROP. - 70 L.F.
OF 12" WATER LINE
(PW800-SEE UC-30
FOR PROFILE)

REMOVE EXISTING
VAULT

PROP. - 177 L.F.
OF 16" WATER LINE
(PW700 - SEE
UC-30 FOR PROFILE)

ABANDON 155 L.F.
OF 16" UTILITY
PIPE

PROP. - 1 - 16" VALVE,
13 L.F. OF 16" WATER LINE
1 - 16" LINE STOP

-L-
PI Sta 115+69.73
$\Delta = 19^\circ 27' 15.2''$ (LT)
$D = 4^\circ 46' 28.7''$
$L = 407.45'$
$T = 205.70'$
$R = 1,200.00'$
$SE = 0.04$
$LR = 192'$

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 5,110 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

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Page 114 of 172

MATCHLINE SEE SHEET UC-17
-L- STA 110 + 00

ABANDON 300 L.F.
OF 16" UTILITY
PIPE

PROP. - 1
RECONNECT WATER
METER, 8 L.F.
WATER SERVICE LINE

PROP. - 292 L.F.
OF 16" WATER LINE
(PW600 - SEE
UC-30 FOR PROFILE)

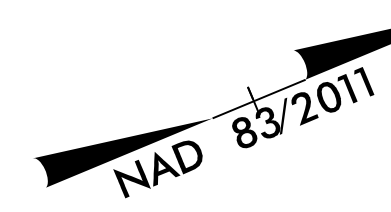
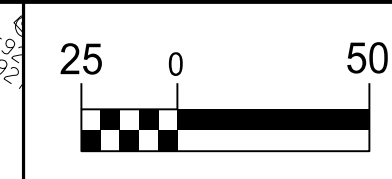
REVISIONS

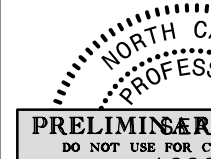
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\$\$\$USERNAME\$\$\$

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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,520 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-13
DESIGNED BY: DMP		
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REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
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UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-12
-L- STA 123+00

MATCHLINE SEE SHEET UC-14
-L- STA 136+00

PROP. - 1 - RELOCATE
FIRE HYDRANT
1 - 6" VALVE, 111 L.F.
OF FIRE HYDRANT LEG
16" X 6" TEE

PROP. - 1 - RECONNECT
WATER METER, 109 L.F.
OF WATER SERVICE LINE

PROP. - 1 - RELOCATE FIRE HYDRANT,
1 - 6" TAPPING SLEEVE & VALVE,
13 L.F. FIRE HYDRANT LEG

PROP. - 122 L.F.
OF 16" WATER LINE

(PW1000 - SEE
UC-30 FOR
PROFILE)

PROP. - 279 L.F.
OF 16" WATER LINE
(PW1000 - SEE
UC-30 FOR PROFILE)

PROP. - 1 - 16" VALVE,
13 L.F. OF 16" WATER
LINE, 1 - 16" LINE STOP

ABANDON 475
L.F. OF 16"
UTILITY PIPE

-L-
PI Sta 129+17.91
 $\Delta = 1'05" 21.1" (RT)$
 $D = 0'45" 50.2"$
 $L = 142.57'$
 $T = 71.29'$
 $R = 7,500.00'$

-L- PC Sta. 128+46.62

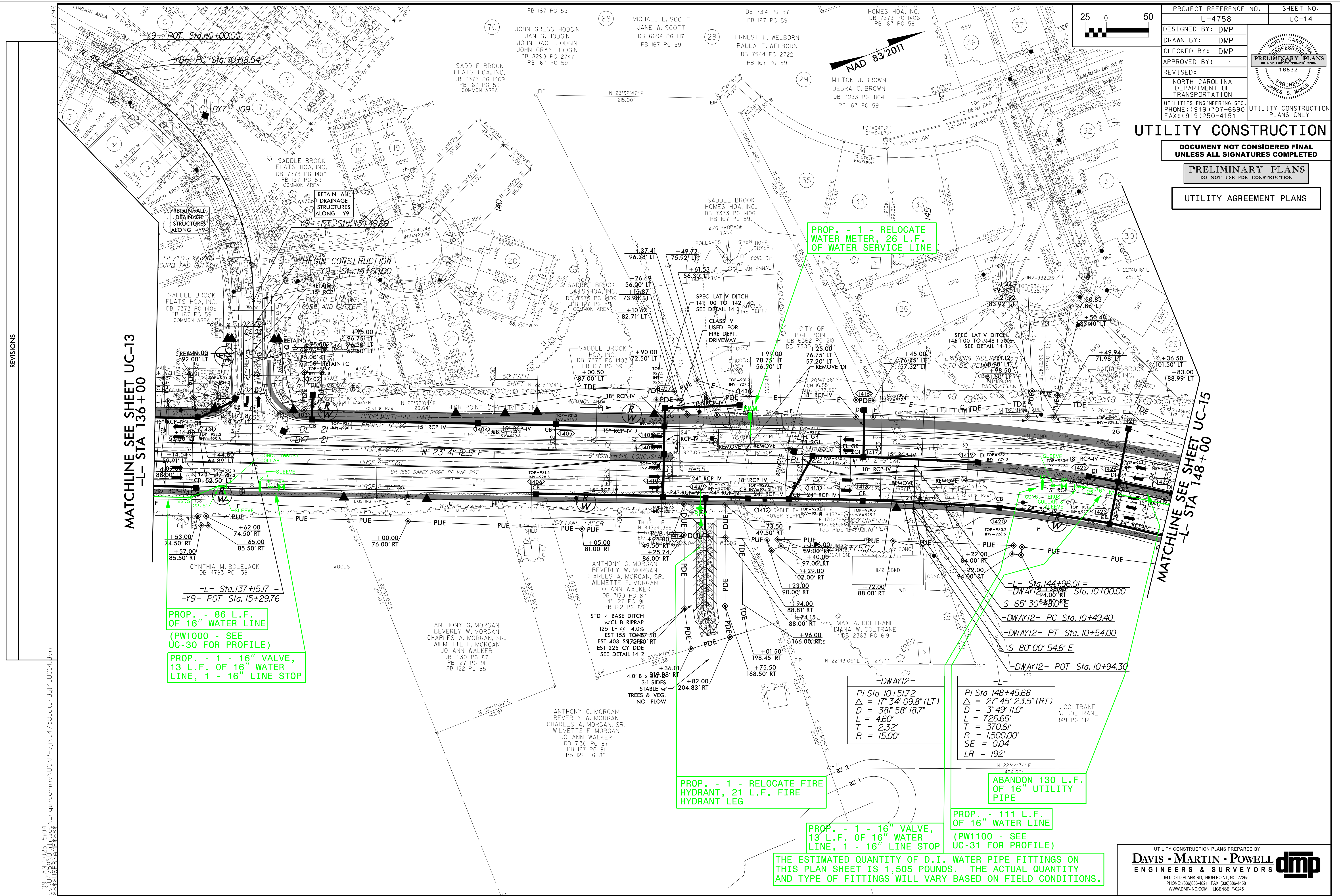
-L- PT Sta. 129+89.20

-Y26- PCC Sta. 15+21.16

-Y26- PCC Sta. 14+70.00
END CONSTRUCTION

-Y26-
PI Sta 14+09.63
 $\Delta = 13'09" 55.5" (RT)$
 $D = 5'52" 35.4"$
 $L = 224.04'$
 $T = 112.51'$
 $R = 975.00'$
 $SE = 0.05$
 $LR = 105'$
PI Sta 16+60.42
 $\Delta = 58'14" 32.2" (RT)$
 $D = 22'55" 05.9"$
 $L = 254.13'$
 $T = 139.27'$
 $R = 250.00'$
 $SE = 0.06$
 $DS = 30 MPH$
 $LR = 126'$

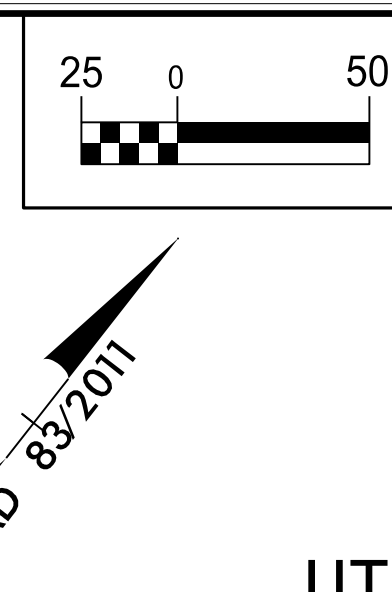
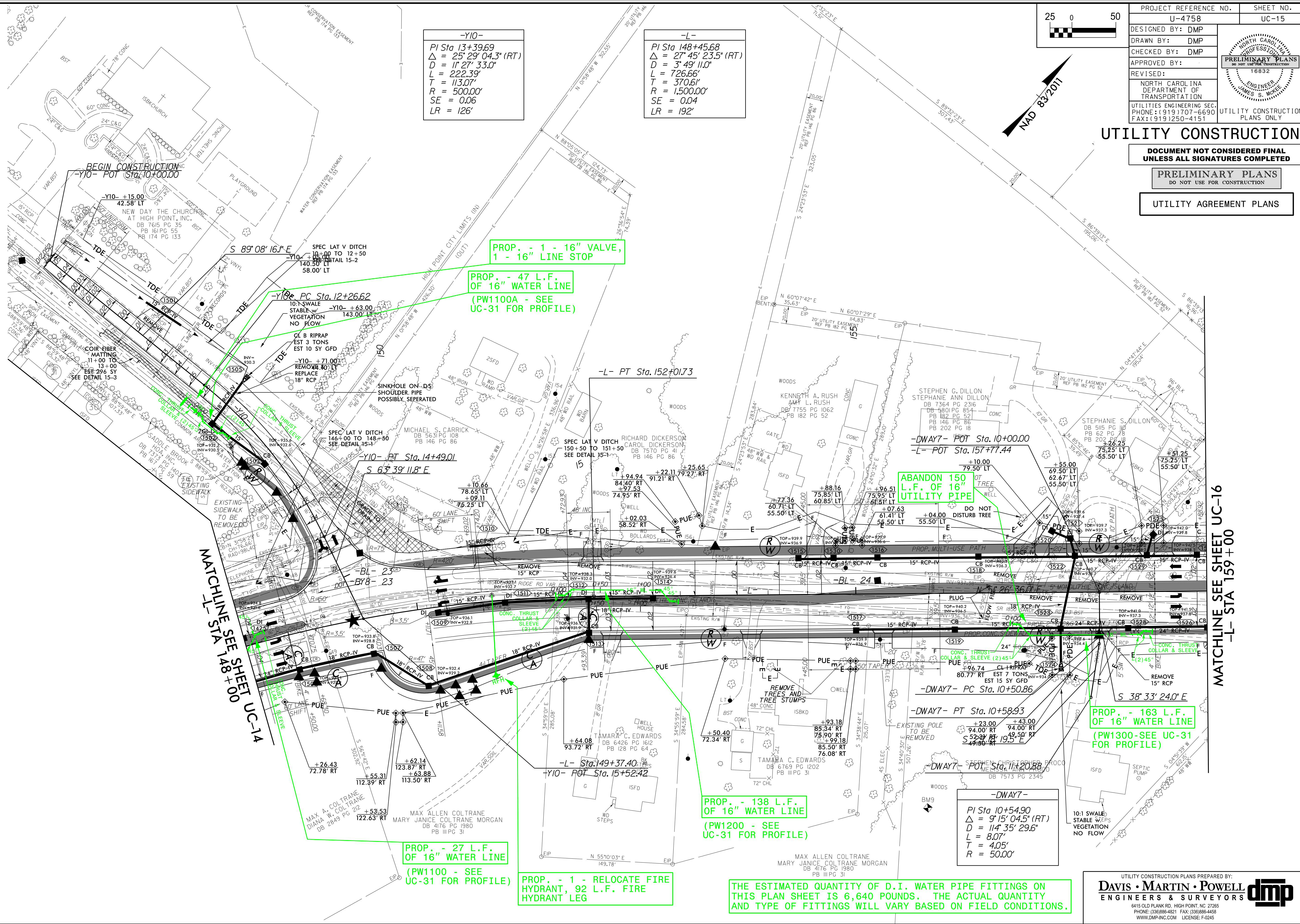
MATCHLINE SEE SHEET UC-24
-Y26- STA 14+00

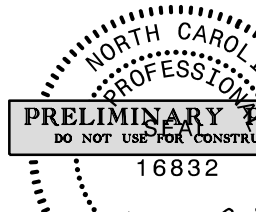


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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-15
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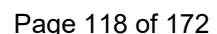
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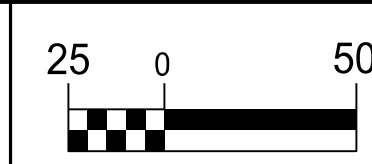
UTILITY AGREEMENT PLANS

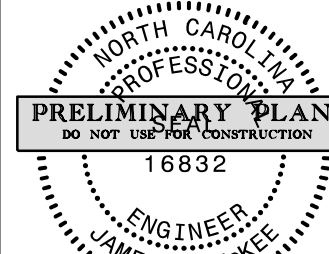
MATCHLINE SEE SHEET UC-16
-L- STA 159+00

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,640 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
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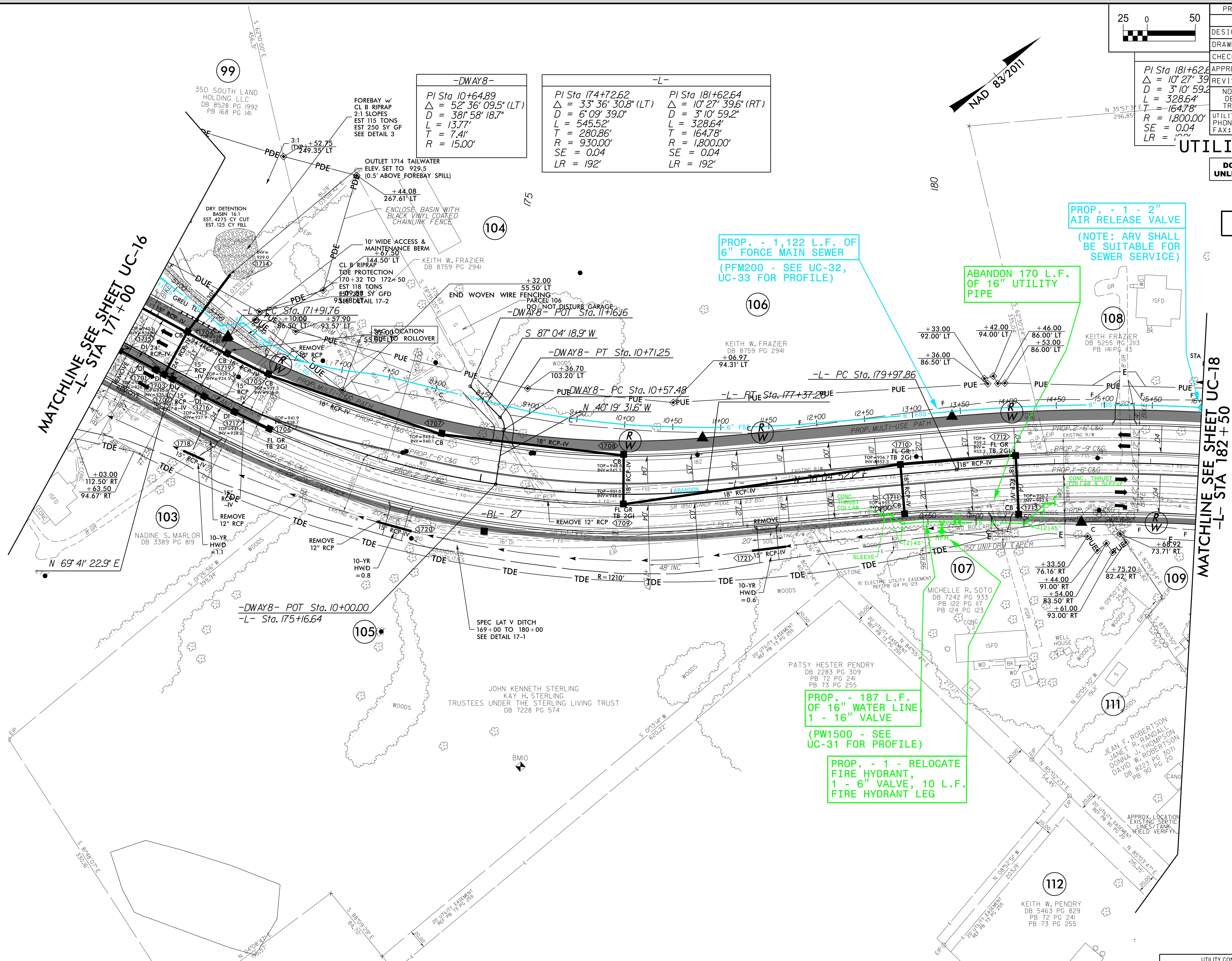


PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-17
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISER:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 300 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,370 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

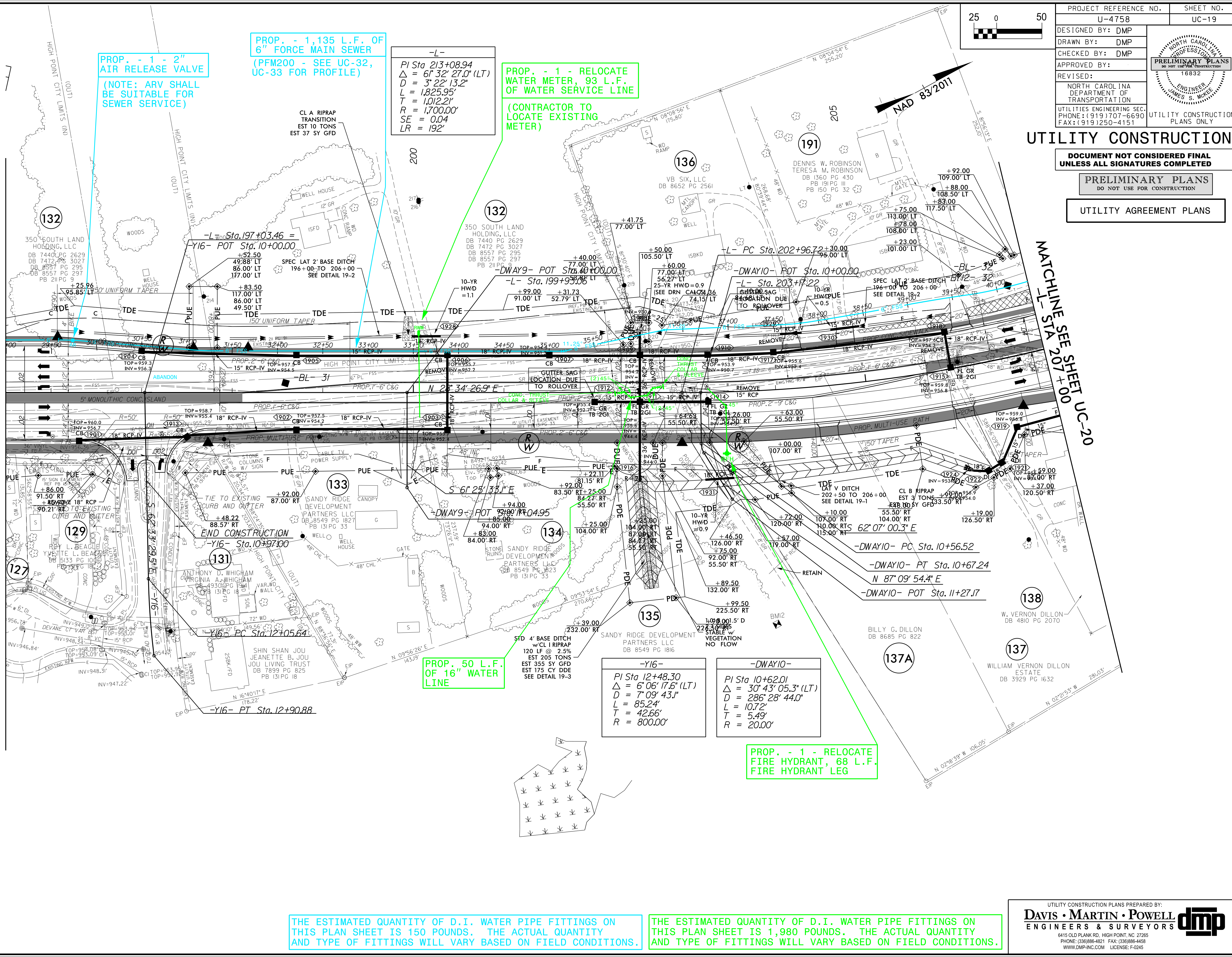
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REVISIONS

MATCHLINE SEE SHEET UC-18
-L- STA 195+50



PROP. - 1 - 2" AIR RELEASE VALVE
(NOTE: ARV SHALL BE SUITABLE FOR SEWER SERVICE)

PROP. - 1,135 L.F. OF 6" FORCE MAIN SEWER
(PFM200 - SEE UC-32, UC-33 FOR PROFILE)

-L-
PI Sta 213+08.94
Δ = 6' 32" 27.0" (LT)
D = 3' 22" 13.2"
L = 1,825.95'
T = 1,012.21'
R = 1,700.00'
SE = 0.04
LR = 192'

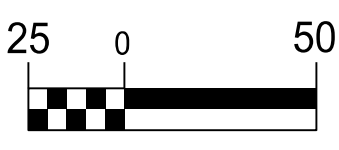
PROP. - 1 - RELOCATE WATER METER, 93 L.F. OF WATER SERVICE LINE
(CONTRACTOR TO LOCATE EXISTING METER)

PROP. 50 L.F. OF 16" WATER LINE

PROP. - 1 - RELOCATE FIRE HYDRANT, 68 L.F. FIRE HYDRANT LEG

-Y16-
PI Sta 12+48.30
Δ = 6' 06" 17.6" (LT)
D = 7' 09" 43.1"
L = 85.24'
T = 42.66'
R = 800.00'

-DWAY10-
PI Sta 10+62.01
Δ = 30' 43" 05.3" (LT)
D = 286' 28" 44.0"
L = 10.72'
T = 5.49'
R = 20.00'

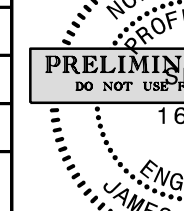


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UTILITY AGREEMENT PLANS

PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-19
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
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MATCHLINE SEE SHEET UC-20
-L- STA 207+00

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 150 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

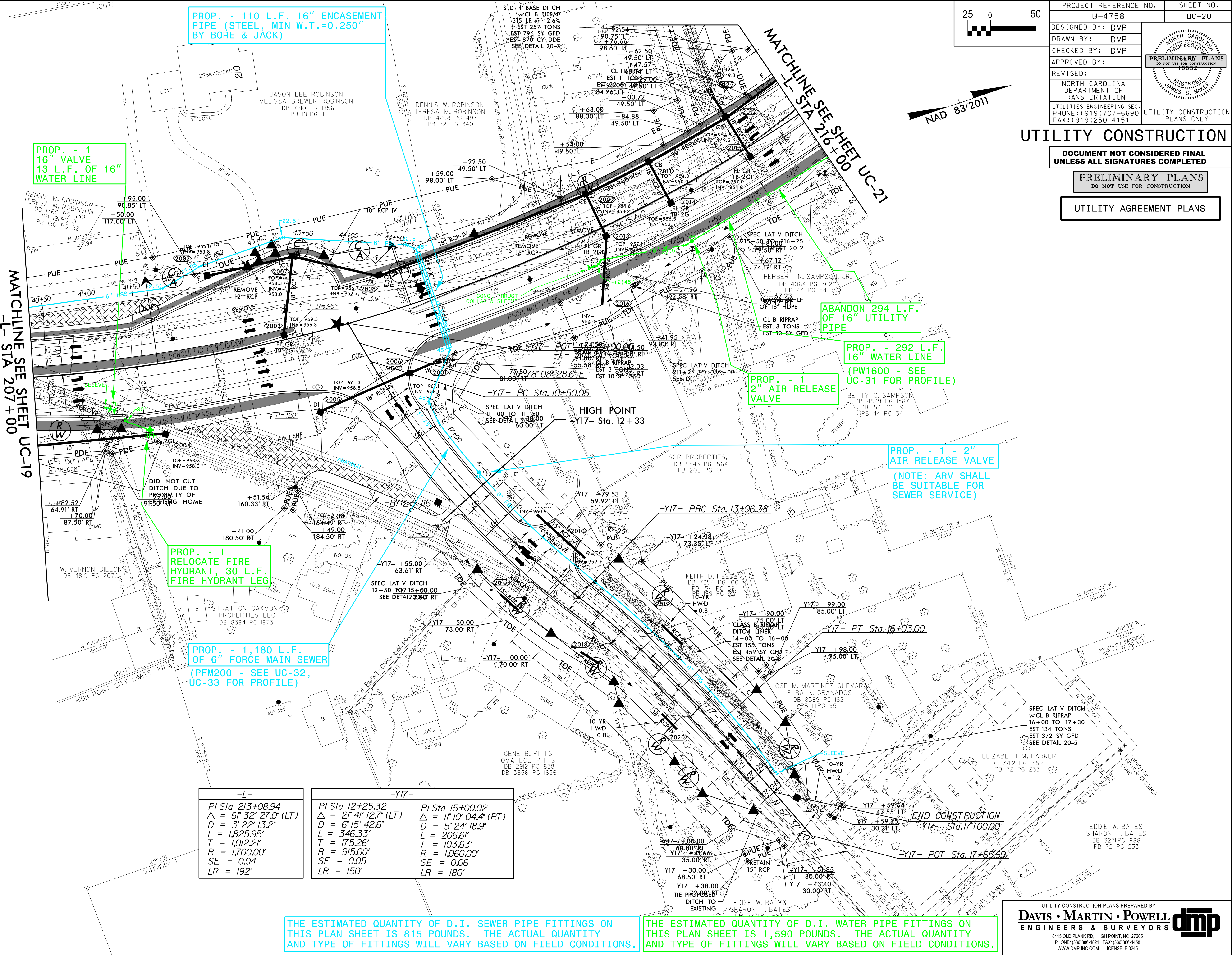
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,980 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
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REVISIONS

09-JAN-2025 15:25
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THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 815 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

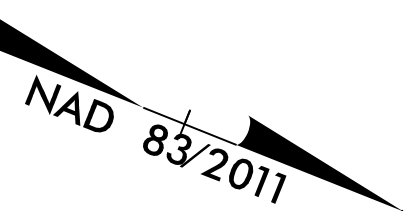
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,590 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD., HIGH POINT, NC 27655
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

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REVISIONS

5/14/99

\$\$\$USERNAME\$\$\$
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-Y2I-

PI Sta 12+31.82
 $\Delta = 19^\circ 20' 39.3''$ (LT)
 $D = 19^\circ 05' 54.9''$
 $L = 101.29'$
 $T = 51.13'$
 $R = 300.00'$

PROP. - 1 - 16" VALVE,
13 L.F. OF 16" WATER
LINE, 1 - 16" LINE STOP

PROP. - 41 L.F.
OF 16" WATER LINE
(PW1600 - SEE
UC-31 FOR PROFILE)

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" VALVE,
13 L.F. FIRE HYDRANT LEG

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
21 L.F. FIRE HYDRANT LEG

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
12 L.F. FIRE HYDRANT LEG

PROP. - 26 L.F.
OF 12" WATER LINE

MATCHLINE SEE SHEET UC-2.
-Y20- STA 13+00

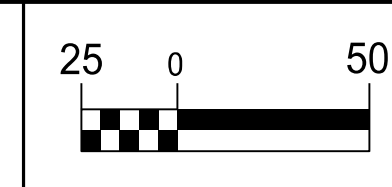
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,590 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

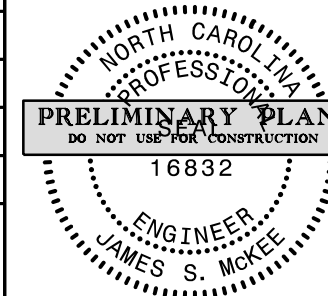
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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-22
DESIGNED BY:	DMP	
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:	DMP	
REVISED:		
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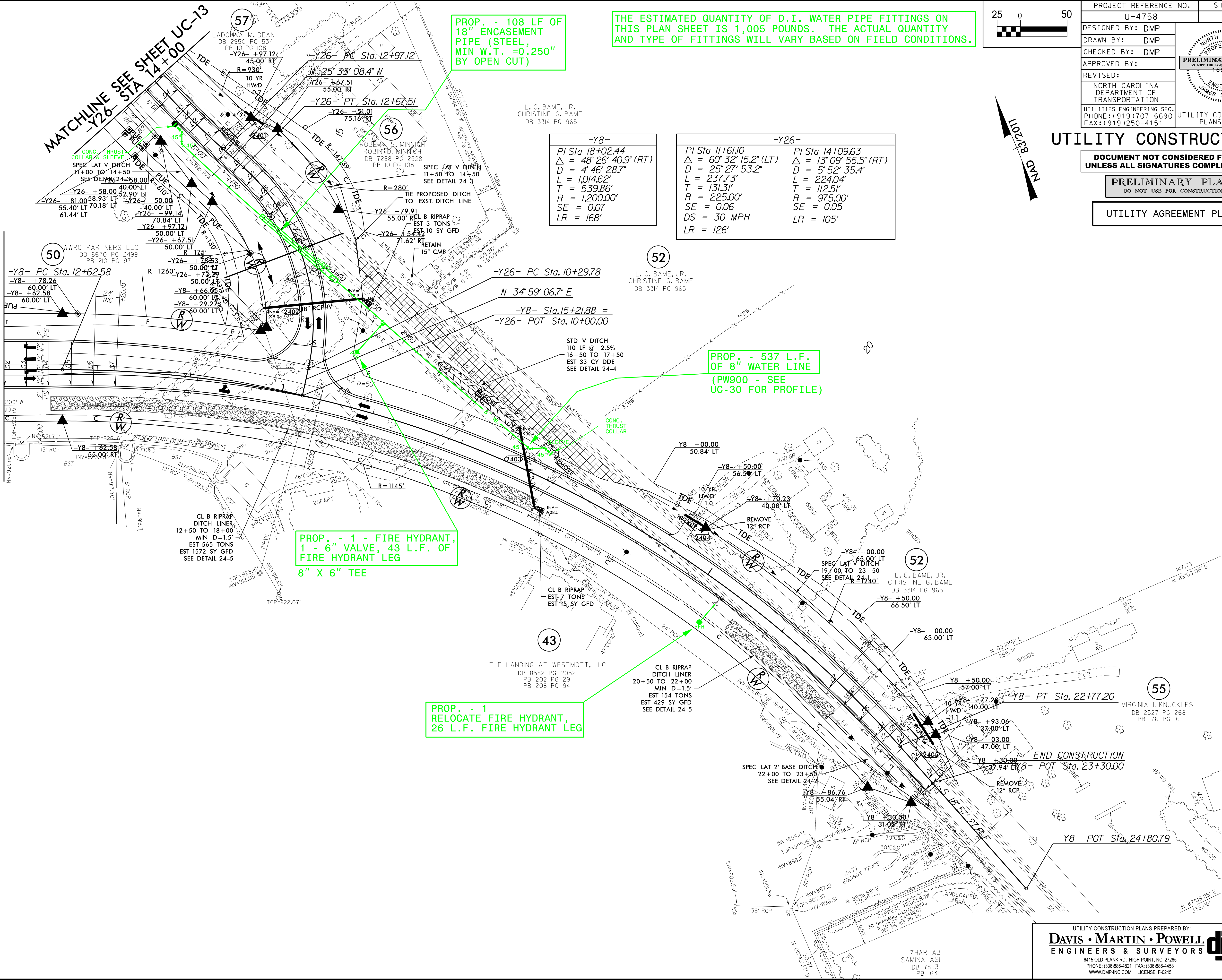
-L-	-Y24-	-Y24-	-Y24-
PI Sta 236+00.34 $\Delta = 17' 24" 28.7"$ (RT) $D = 4' 05" 33.2"$ $L = 425.36'$ $T = 214.33'$ $R = 1,400.00'$ $SE = 0.04$ $LR = 240'$	PI Sta 10+28.95 $\Delta = 44' 56" 32.2"$ (RT) $D = 8' 51' 04.0"$ $L = 54.91'$ $T = 28.95'$ $R = 70.00'$	PI Sta 10+89.89 $\Delta = 1' 00' 08.1"$ (RT) $D = 1' 25' 56.6"$ $L = 69.97'$ $T = 34.99'$ $R = 4,000.00'$ $DS = 35$ MPH	PI Sta 12+47.49 $\Delta = 15' 01' 13.0"$ (LT) $D = 1' 27' 33.0"$ $L = 131.08'$ $T = 65.92'$ $R = 500.00'$ $DS = 15$ MPH

PROP. - 1 - ADJUSTMENT
OF MANHOLES (CONTRACTOR
SHALL ROTATE ECCENTRIC
CONE TO MOVE TOP OUT
OF CURB & GUTTER)PROPOSED 4"
DIAMETER MH
(BY OTHERS)PROPOSED 2"
FORCE MAIN
(BY OTHERS)ABANDON 55 L.F.
OF 12" UTILITY
PIPEPROP. - 50 L.F.
OF 10" WATER LINE
PROP. - 40 L.F.
OF 8" WATER LINEPROP. - 1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE, 81 L.F.
FIRE HYDRANT LEGPROP. - 1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE, 12 L.F.
FIRE HYDRANT LEGPROP. - 226 L.F.
OF 12" WATER LINE
1 - 12" VALVE
(PW1700 - SEE
UC-31 FOR PROFILE)THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 2,300 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

$P = 67^\circ$
 $D = 102.7^\circ$
 $L = 81.6^\circ$
 $R = 850.00'$

MATCHLINE SEE SHEET UC-12
-Y8- STA 12+00

MATCHLINE SEE SHEET UC-13
-Y26- STA 14+00



PROP. - 108 LF OF
18" ENCASEMENT
PIPE (STEEL,
MIN W.T. = .0250"
BY OPEN CUT)

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 1,005 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-Y8-
PI Sta 18+02.44
Δ = 48' 26" 40.9" (RT)
D = 4' 46" 28.7"
L = 1,014.62'
T = 539.86'
R = 1,200.00'
SE = 0.07
LR = 168'

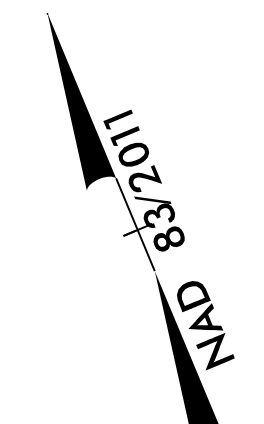
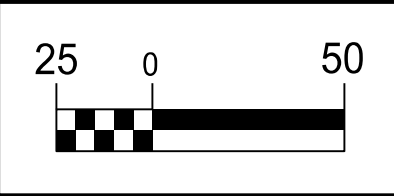
-Y26-
PI Sta 11+61.10
Δ = 60' 32" 15.2" (LT)
D = 25' 27" 53.2"
L = 237.73'
T = 131.31'
R = 225.00'
SE = 0.06
DS = 30 MPH
LR = 126'

PI Sta 14+09.63
Δ = 13' 09" 55.5" (RT)
D = 5' 52" 35.4"
L = 224.04'
T = 112.51'
R = 975.00'
SE = 0.05
LR = 105'

PROP. - 1 - FIRE HYDRANT,
1 - 6" VALVE, 43 L.F. OF
FIRE HYDRANT LEG
8" X 6" TEE

PROP. - 1
RELOCATE FIRE HYDRANT,
26 L.F. FIRE HYDRANT LEG

PROP. - 537 L.F.
OF 8" WATER LINE
(PW900 - SEE
UC-30 FOR PROFILE)

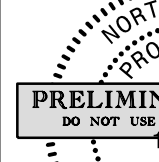


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U-4758		UC-24	
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-Y20-
<i>PI Sta 16+58.65</i> $\Delta = 20^{\circ} 18' 41.0''$ (RT) $D = 4^{\circ} 14' 38.9''$ $L = 478.58'$ $T = 241.83'$ $R = 1,350.00'$ $SE = 0.06$ $LR = 162'$

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
29 L.F. FIRE HYDRANT LEG

PROP. RECONSTRUCT MANHOLE STRUCTURES
3.2 L.F. (RAISE TOP FROM EL. 956.64'
TO EL. 959.8'+/- USING PRECAST RISER

PROP. - 1 - RELOCATE FIRE
HYDRANT, 1 - 6" TAPPING
SLEEVE & VALVE,
8 L.F. FIRE HYDRANT LEG

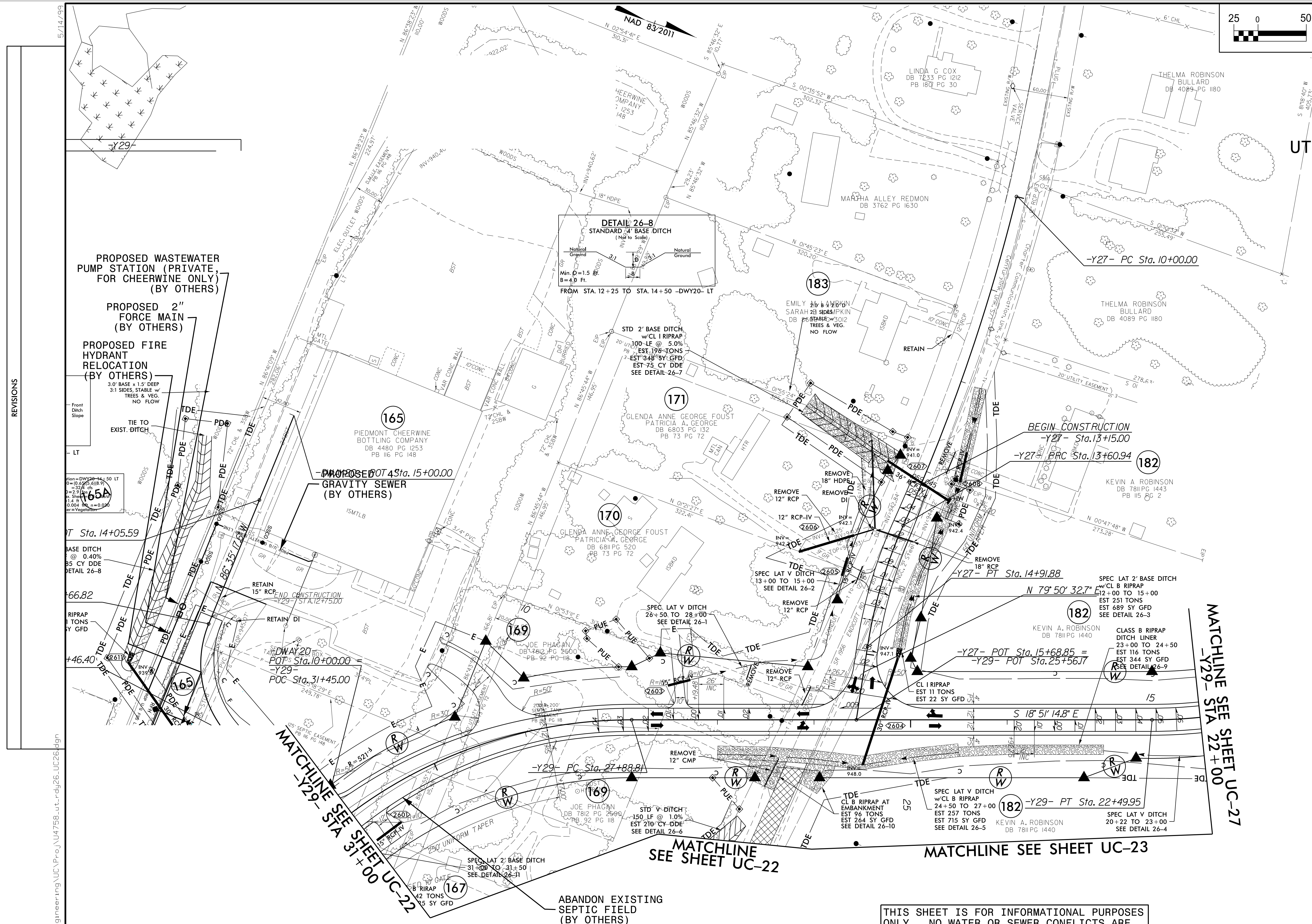
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,305 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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ENGINEERS & SURVEYORS

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PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-26	
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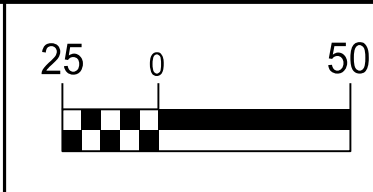
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ENGINEERS & SURVEYORS

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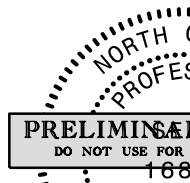


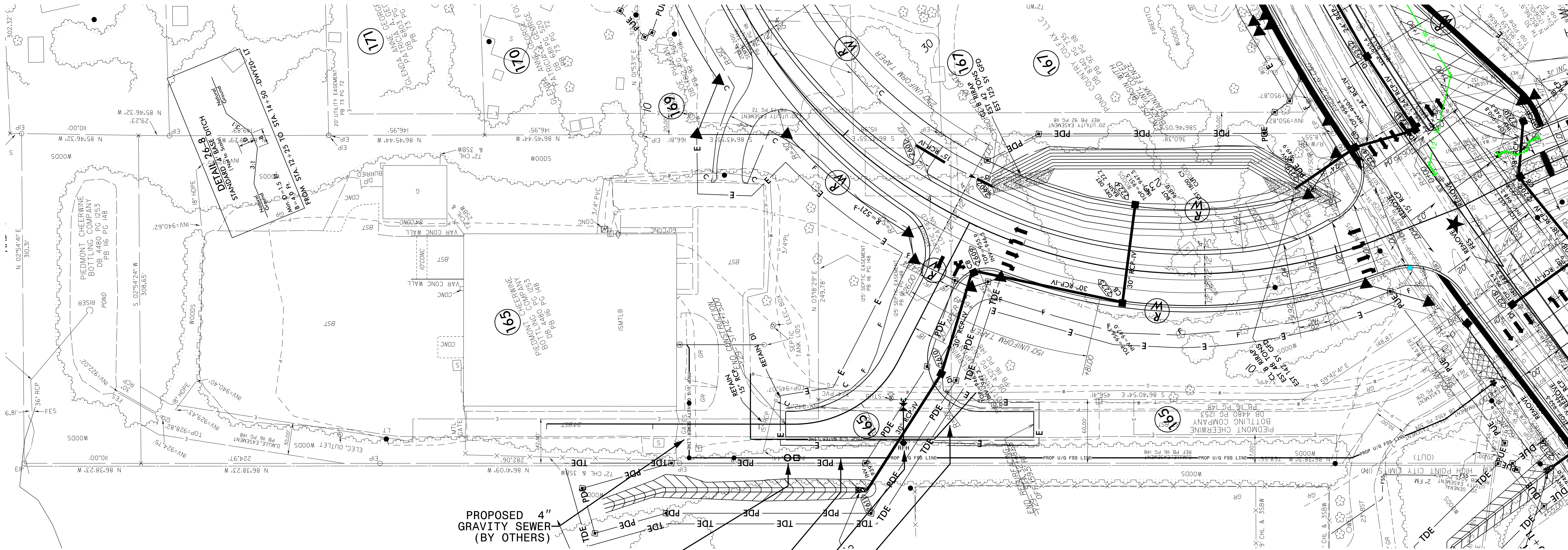
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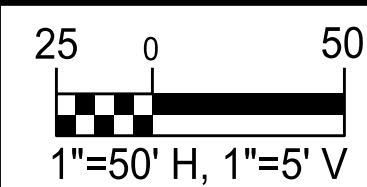
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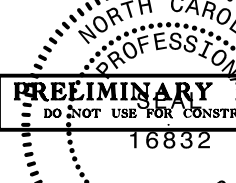


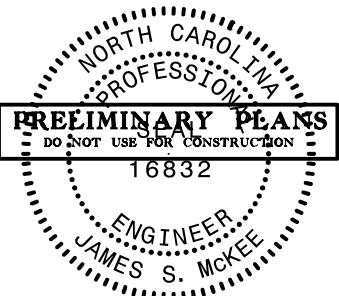
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PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-28	
DESIGNED BY: DMP		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 18832 ENGINEER JAMES S. WOKEL	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
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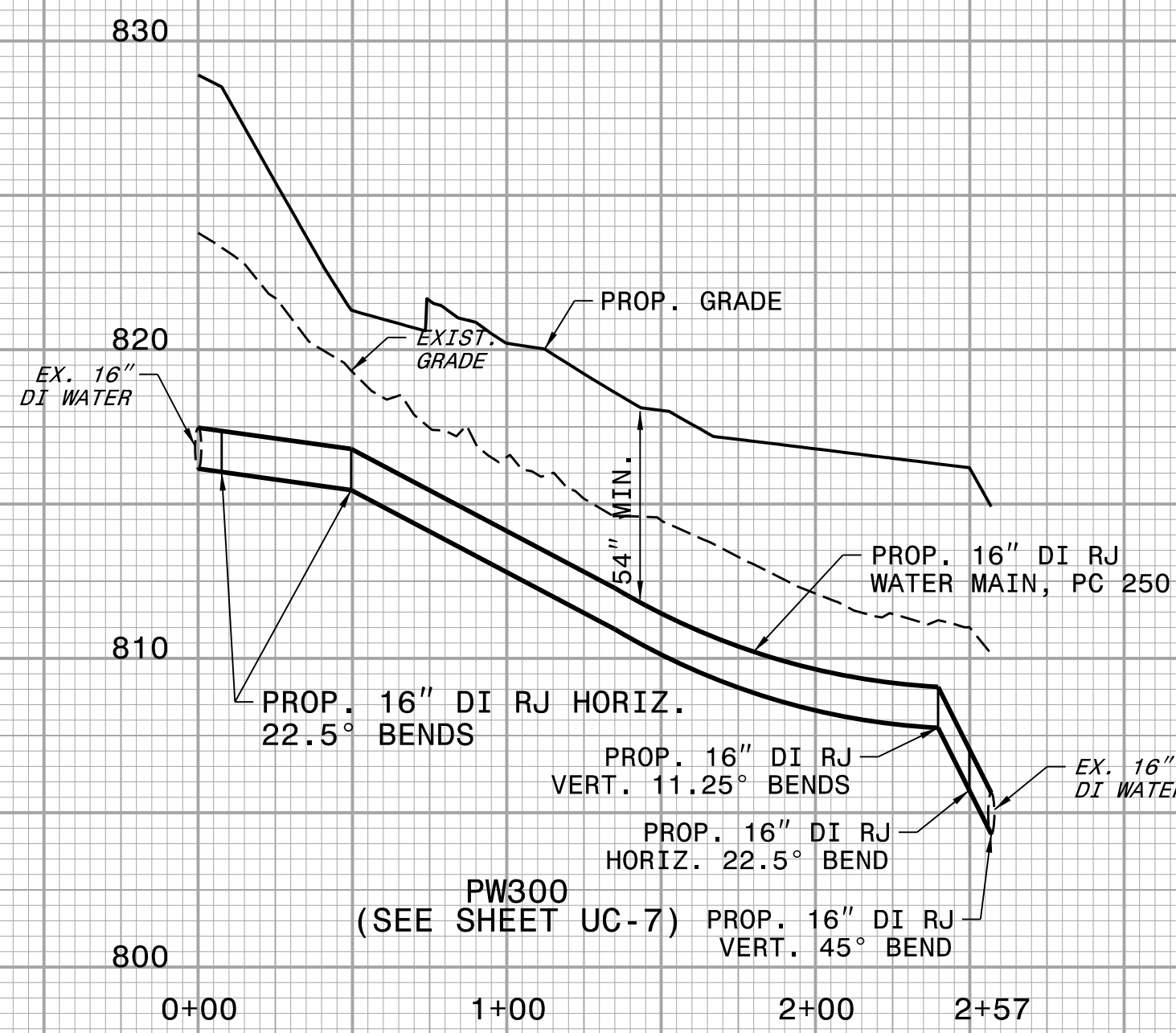
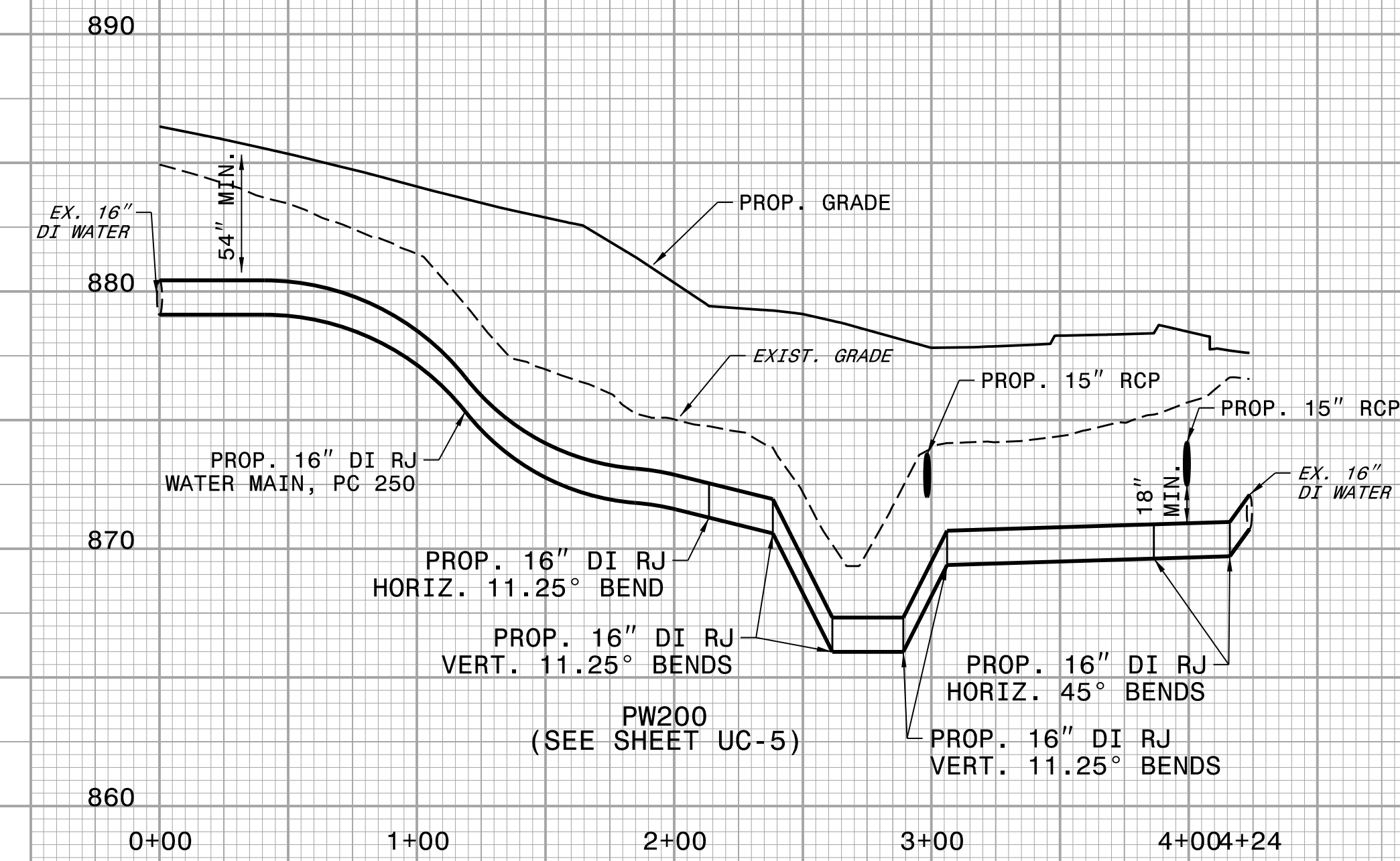
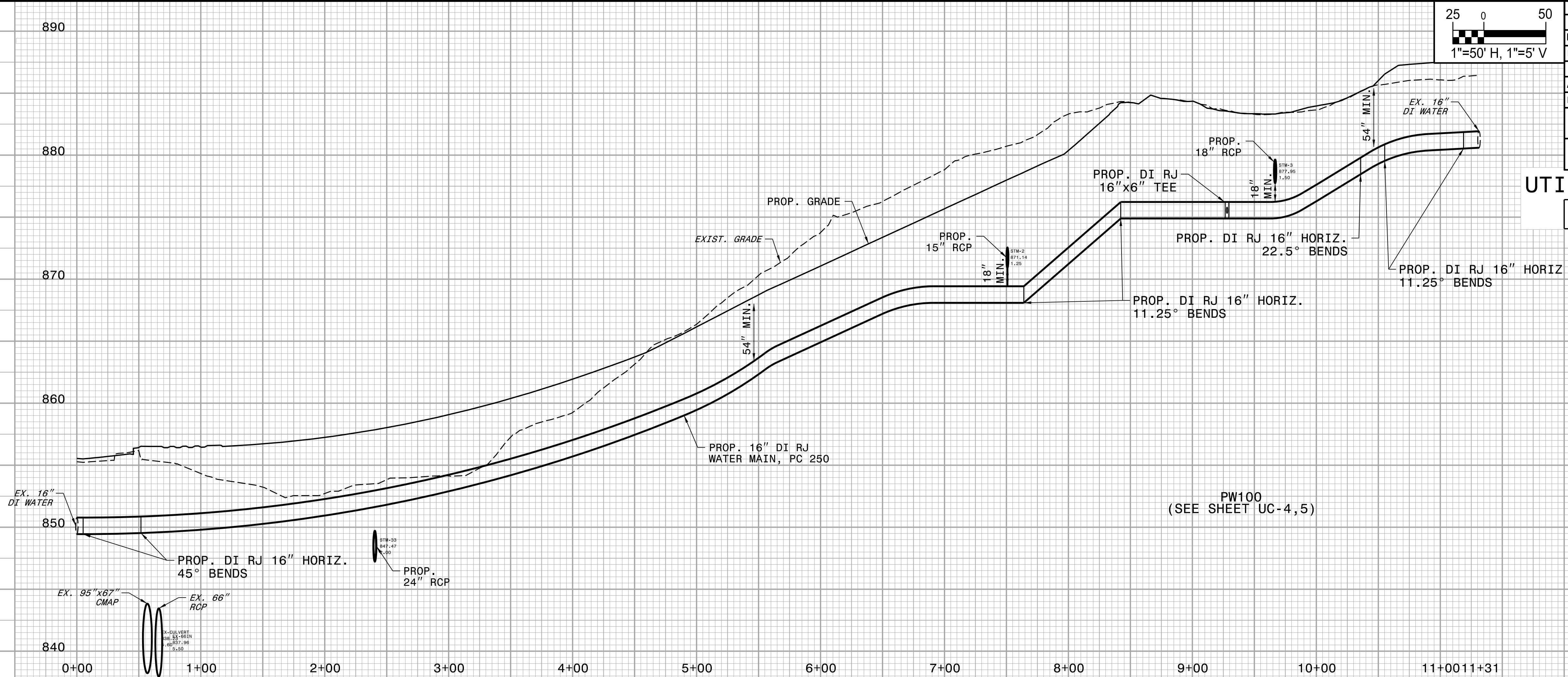


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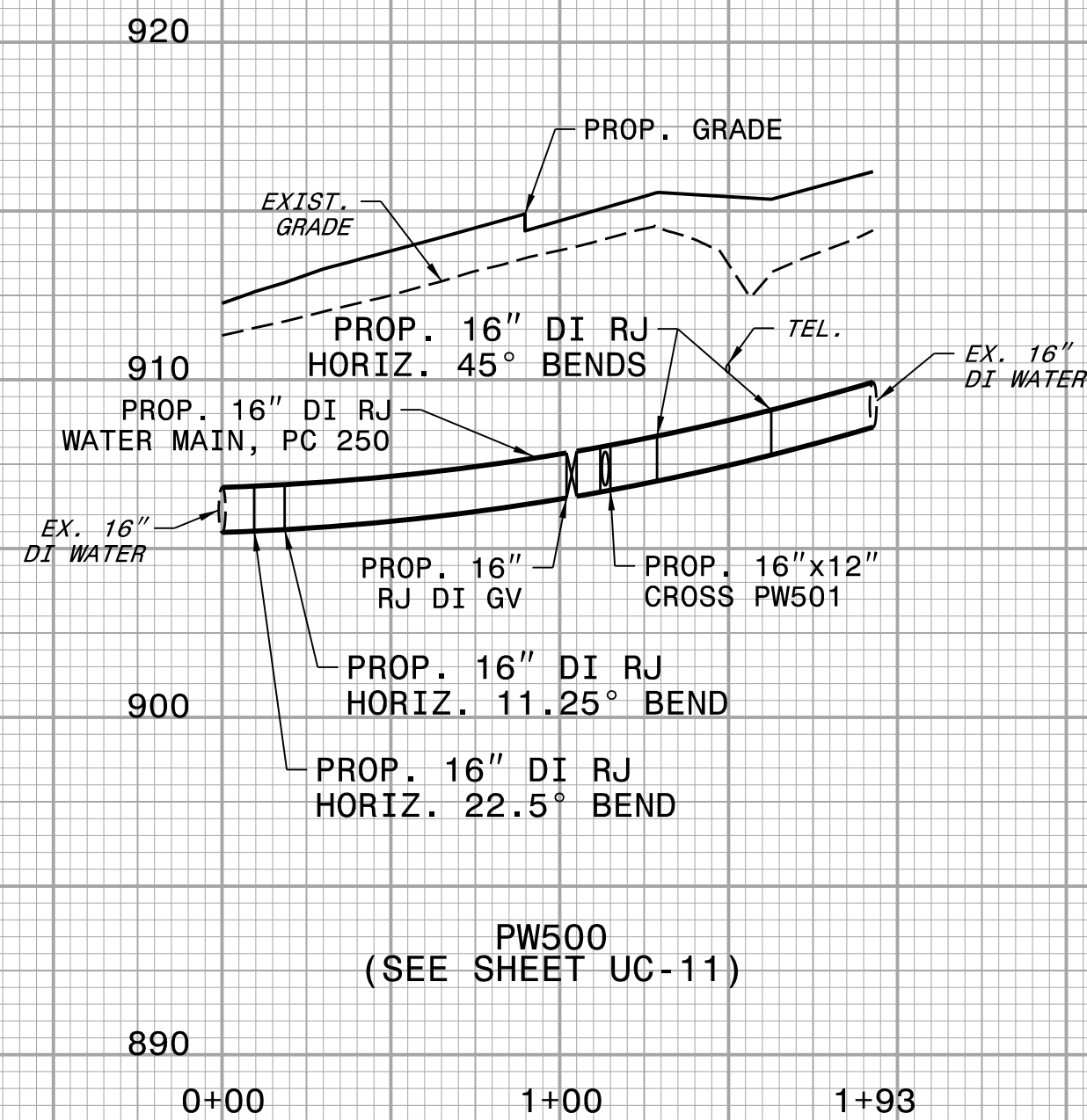
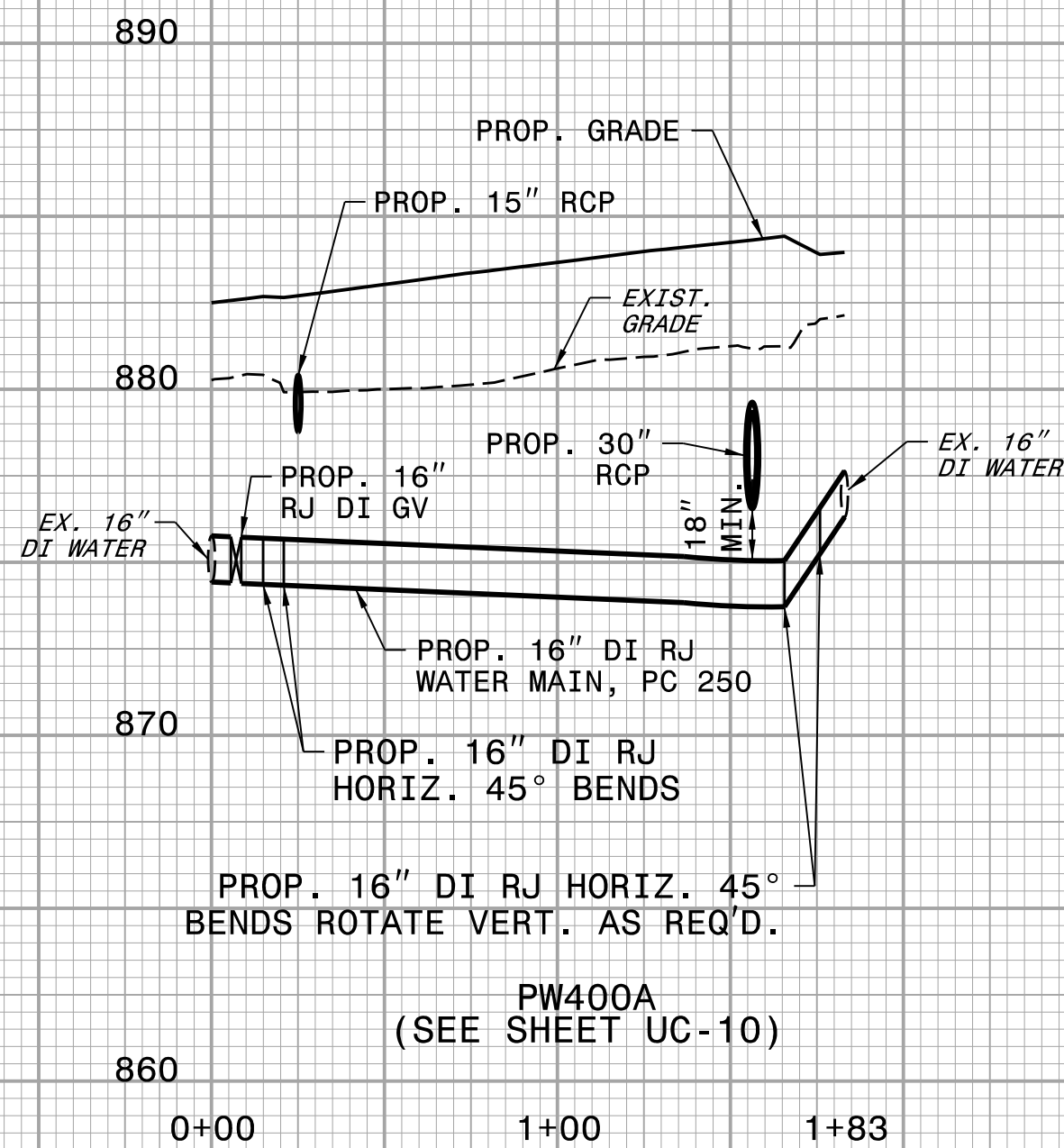
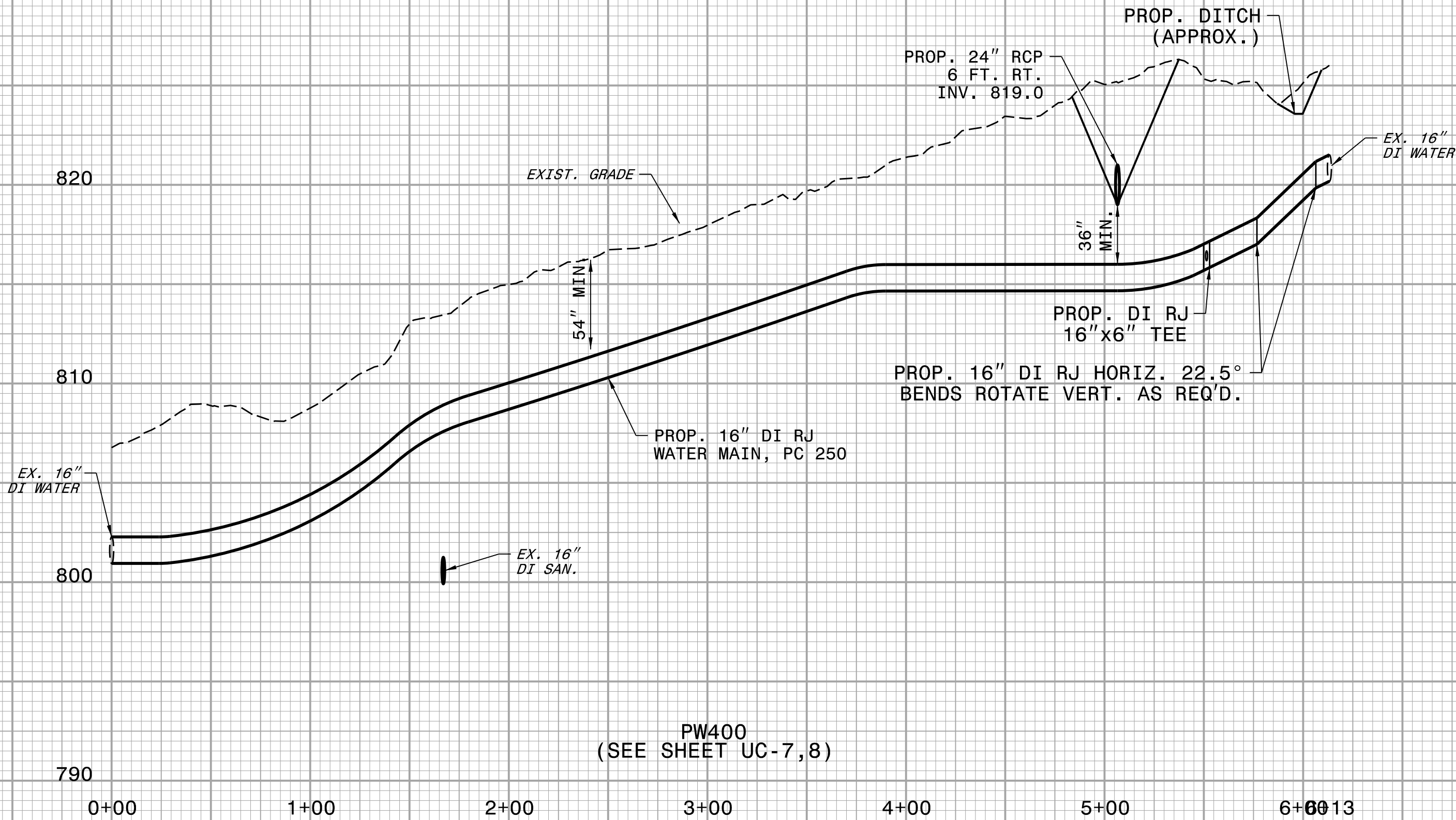
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U-4758		UC-29
DESIGNED BY: DMP	PROFESSIONAL ENGINEER 16832 JAMES S. MOORE NORTH CAROLINA ENGINEER	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
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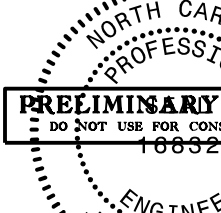
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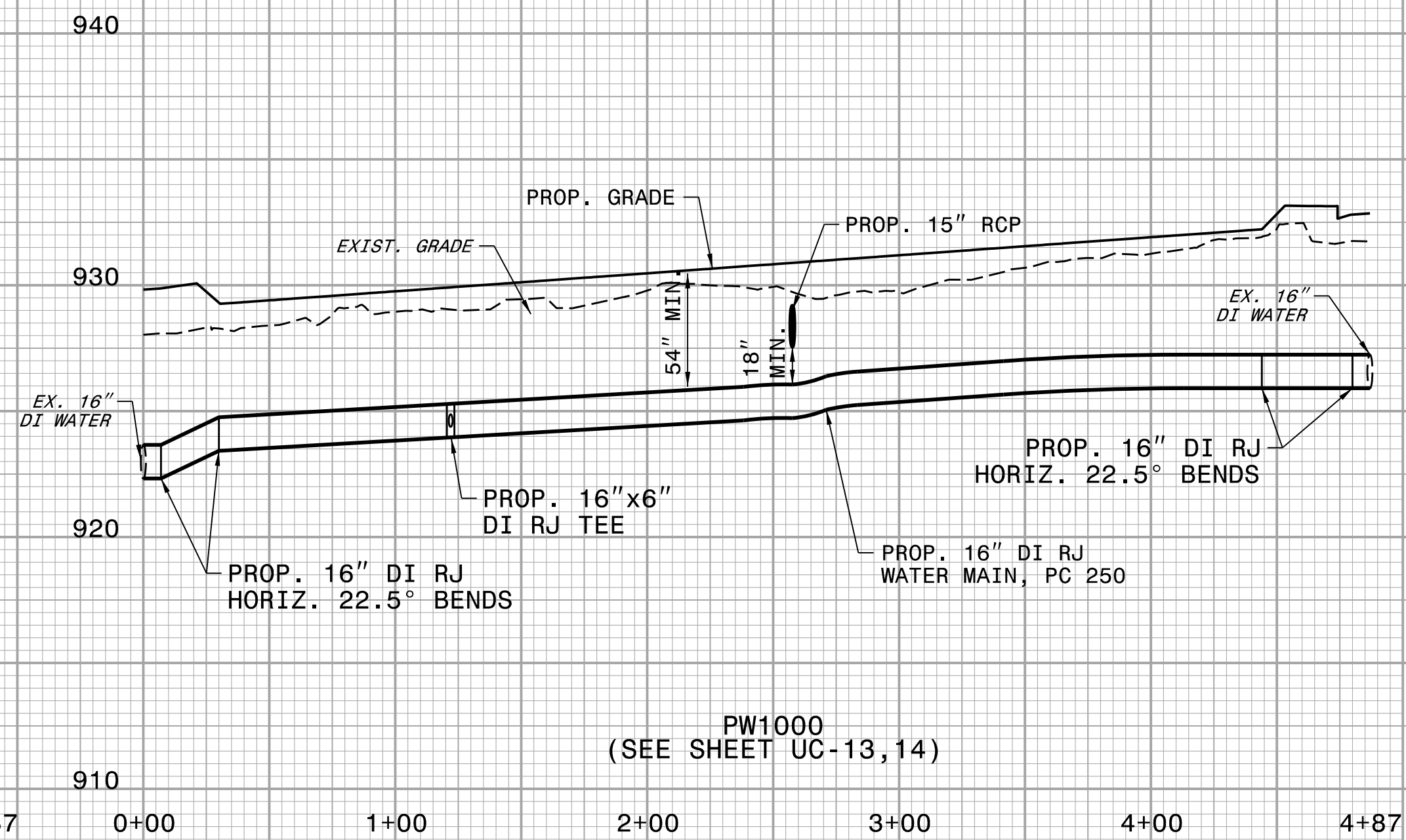
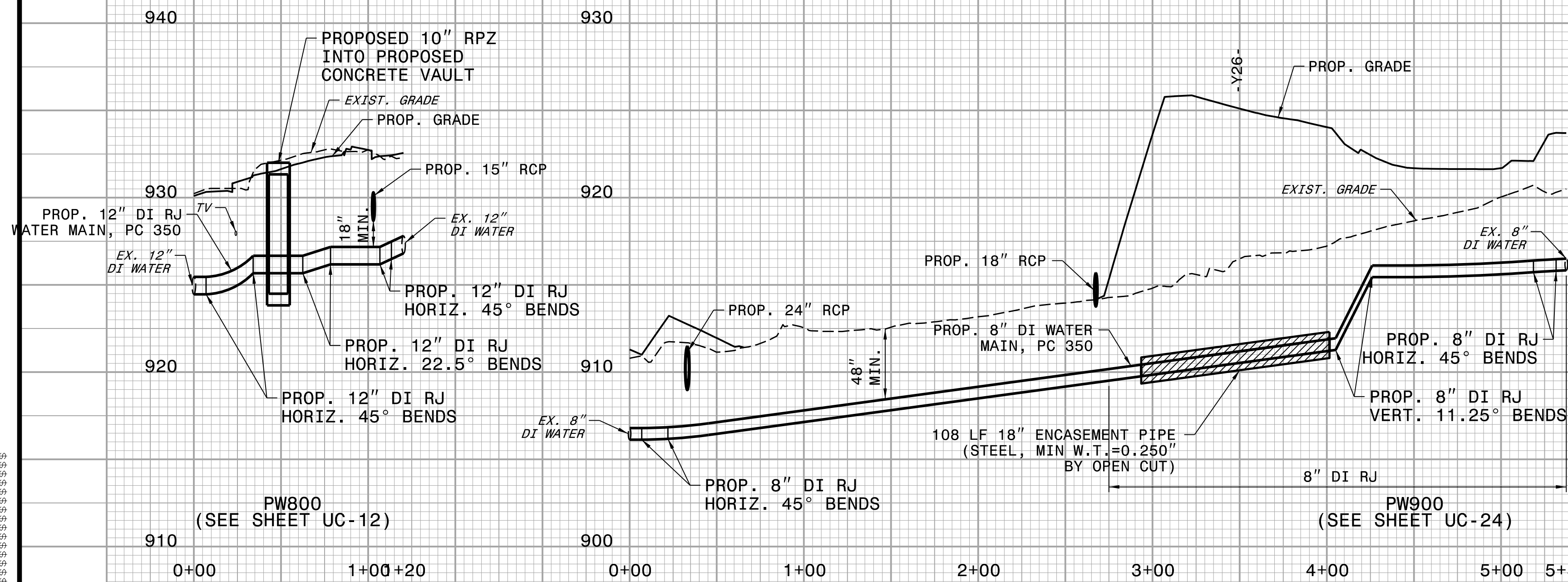
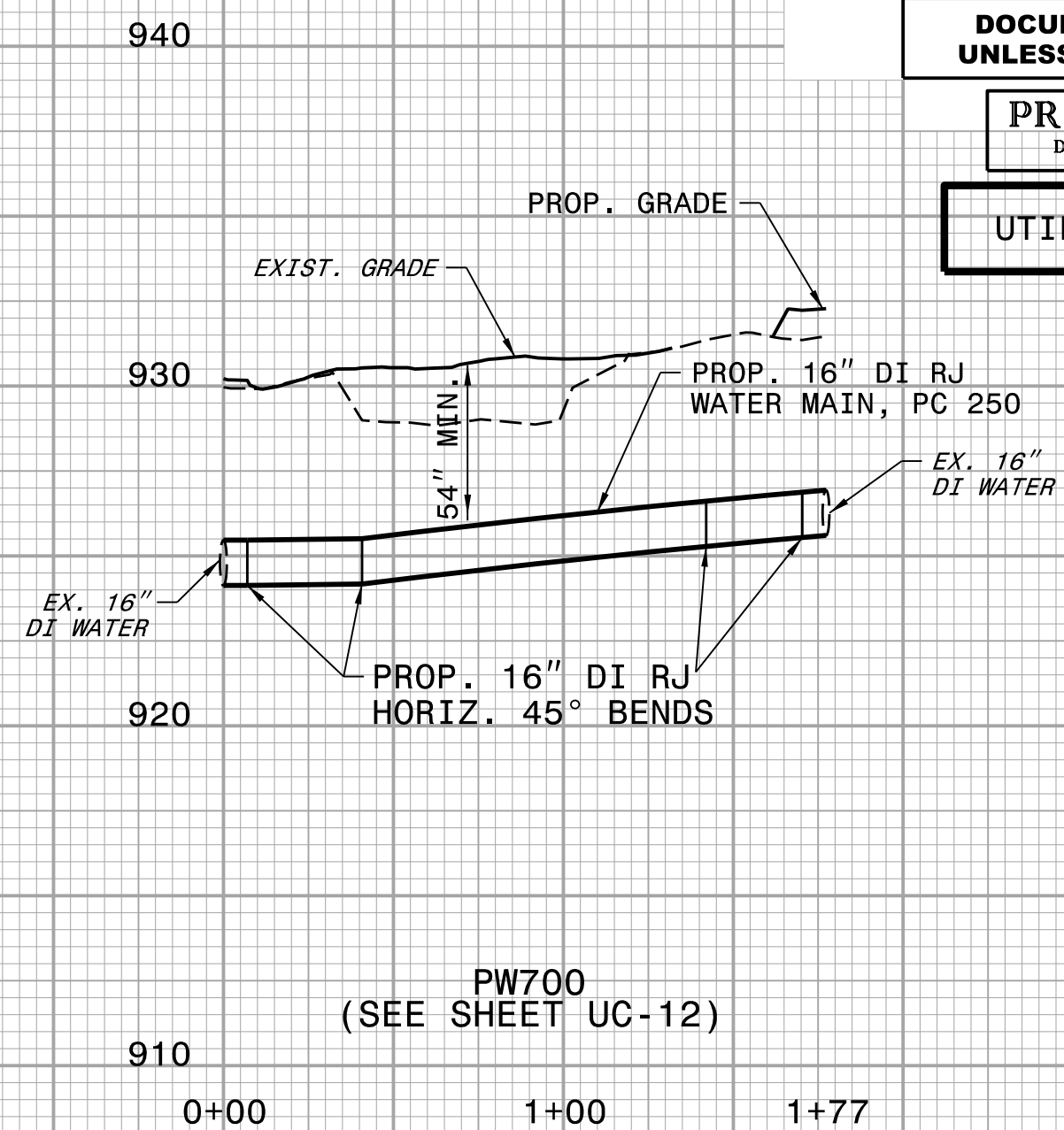
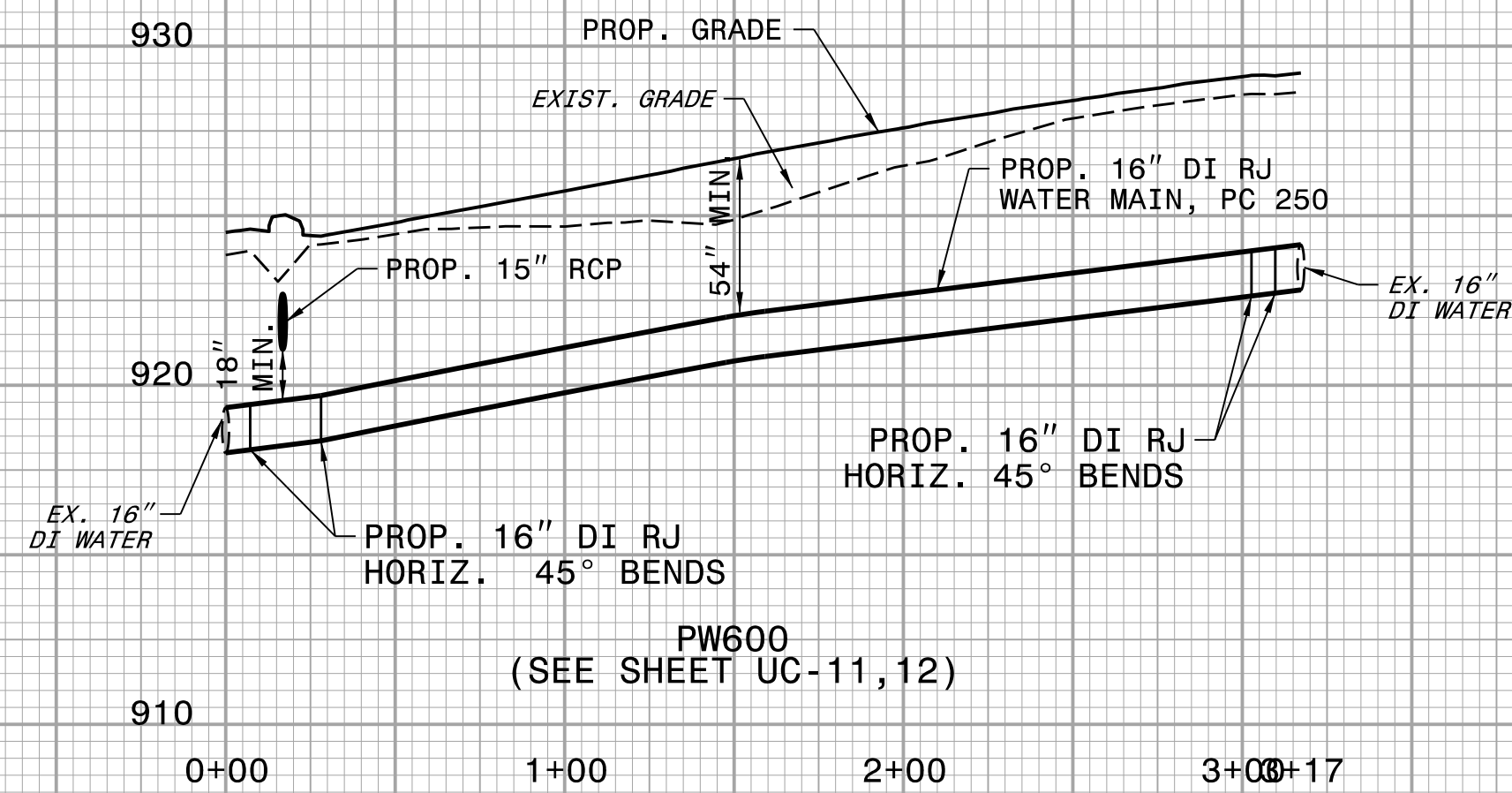
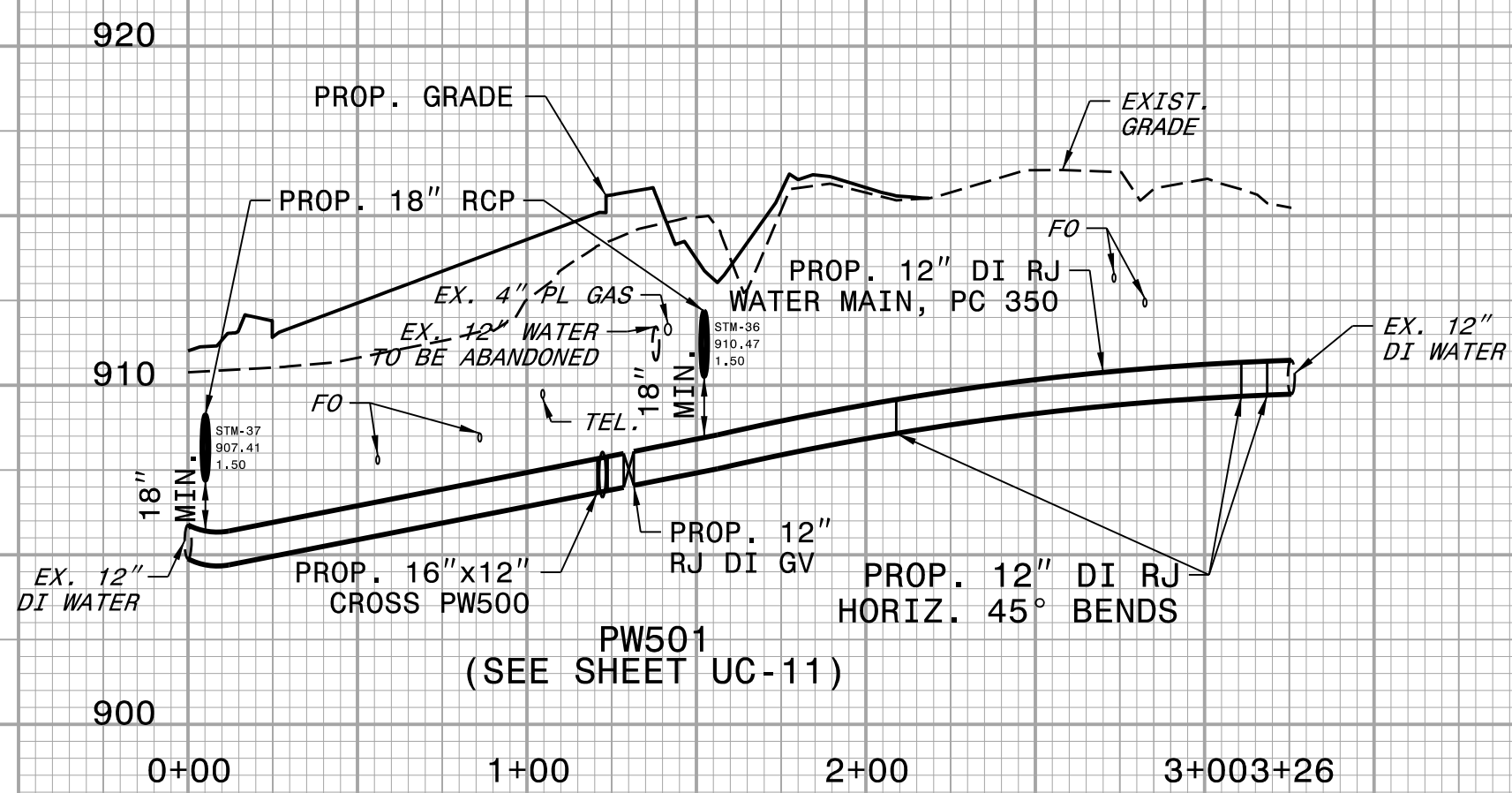
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U-4758		UC-30
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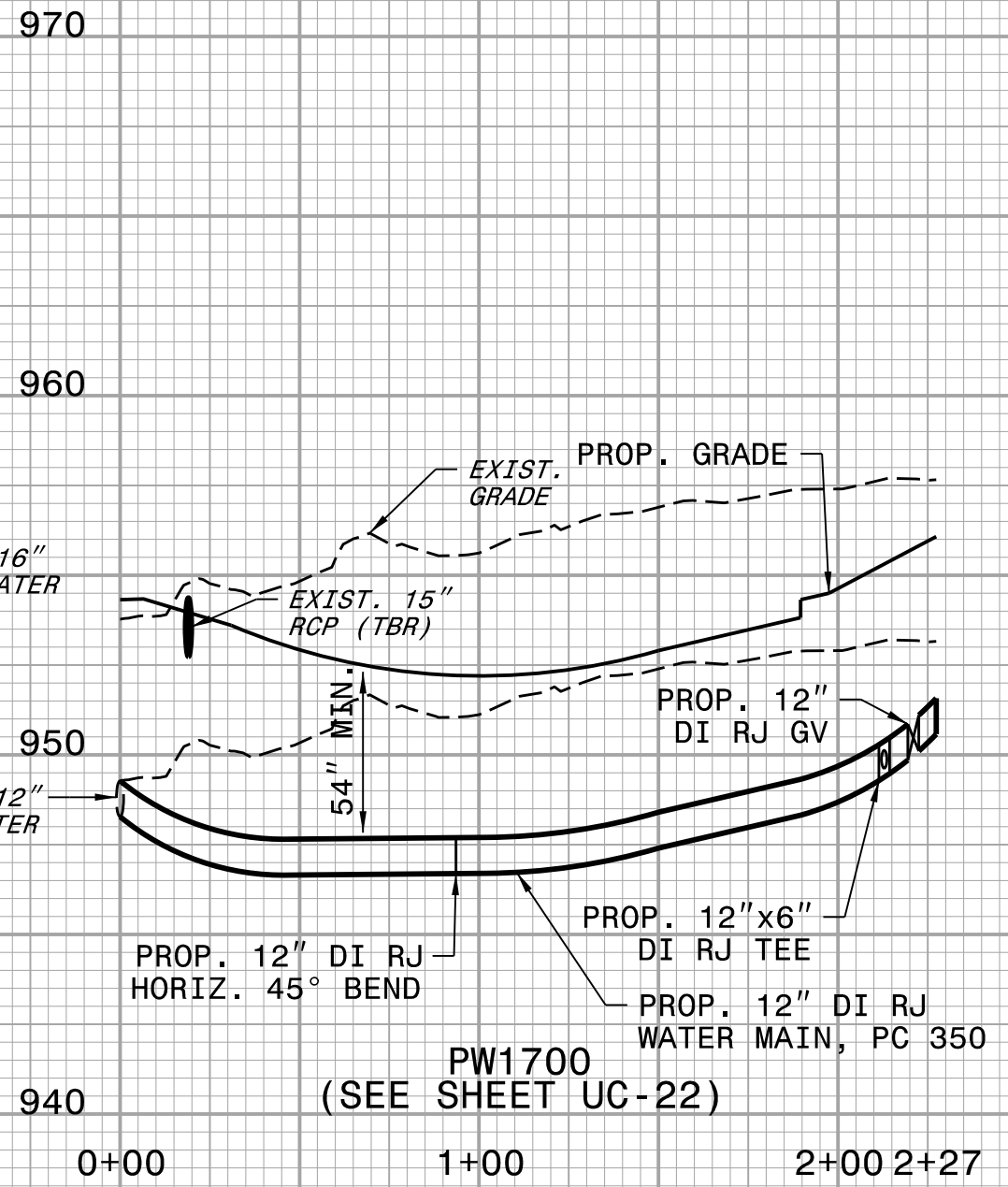
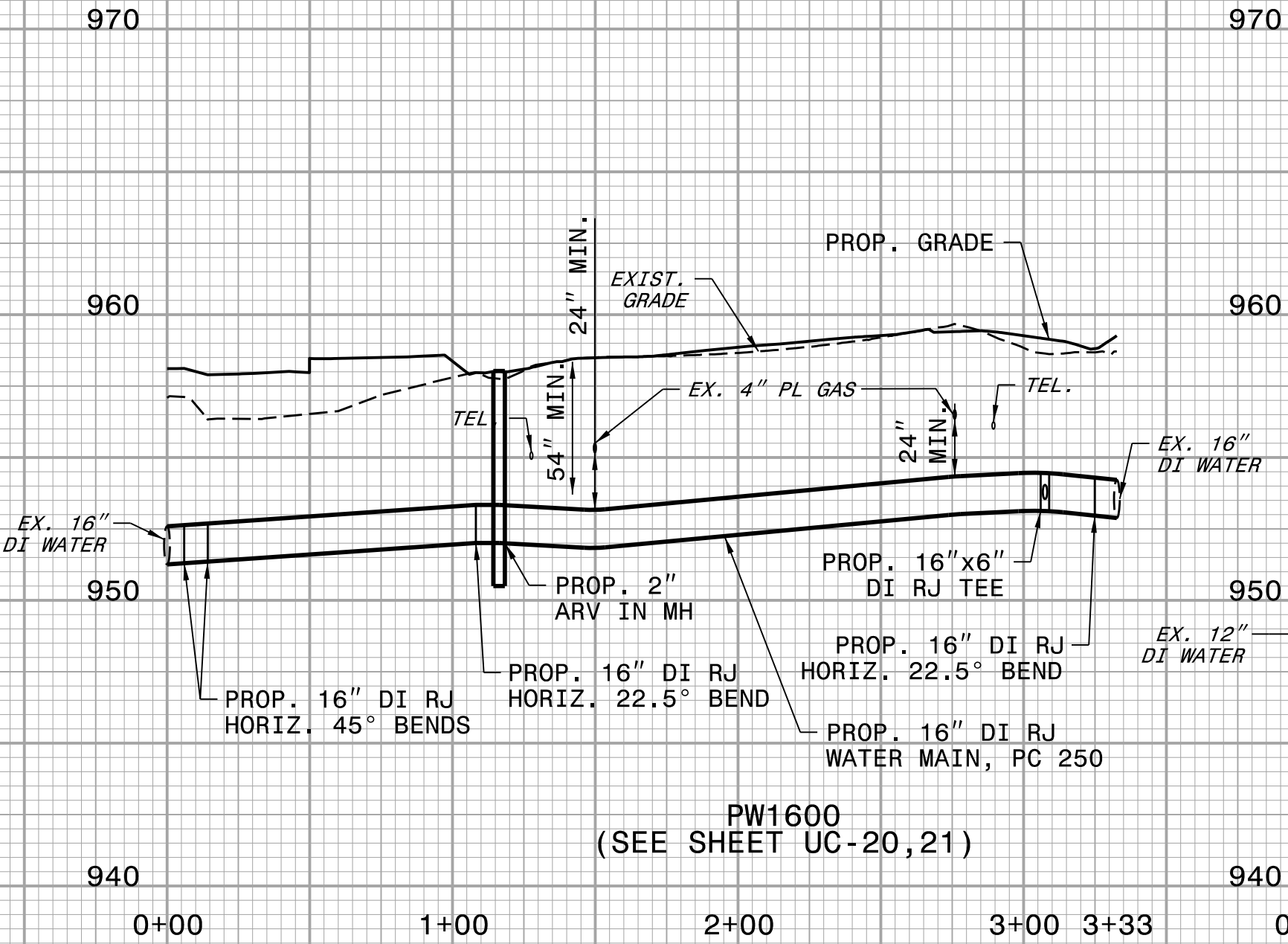
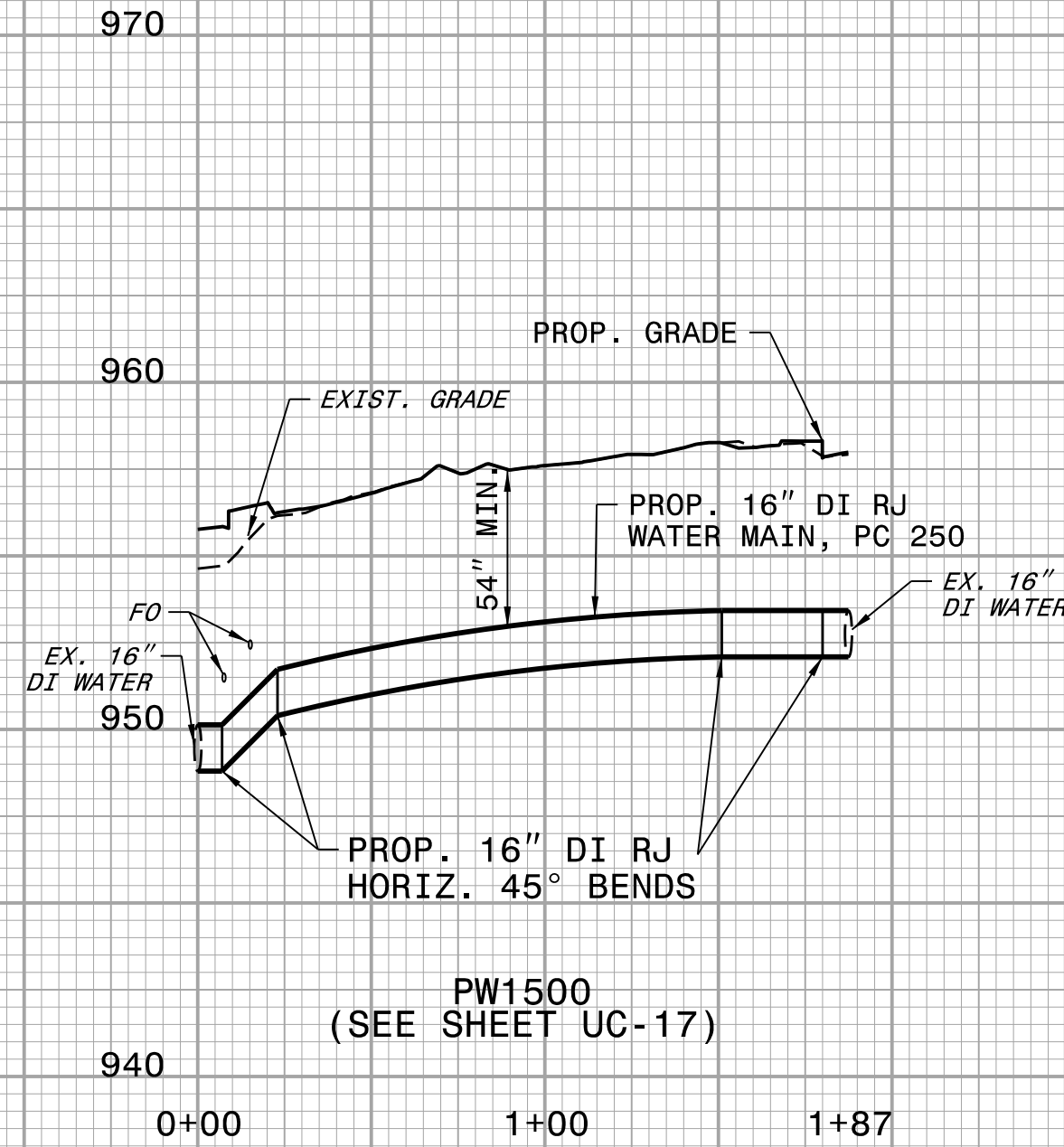
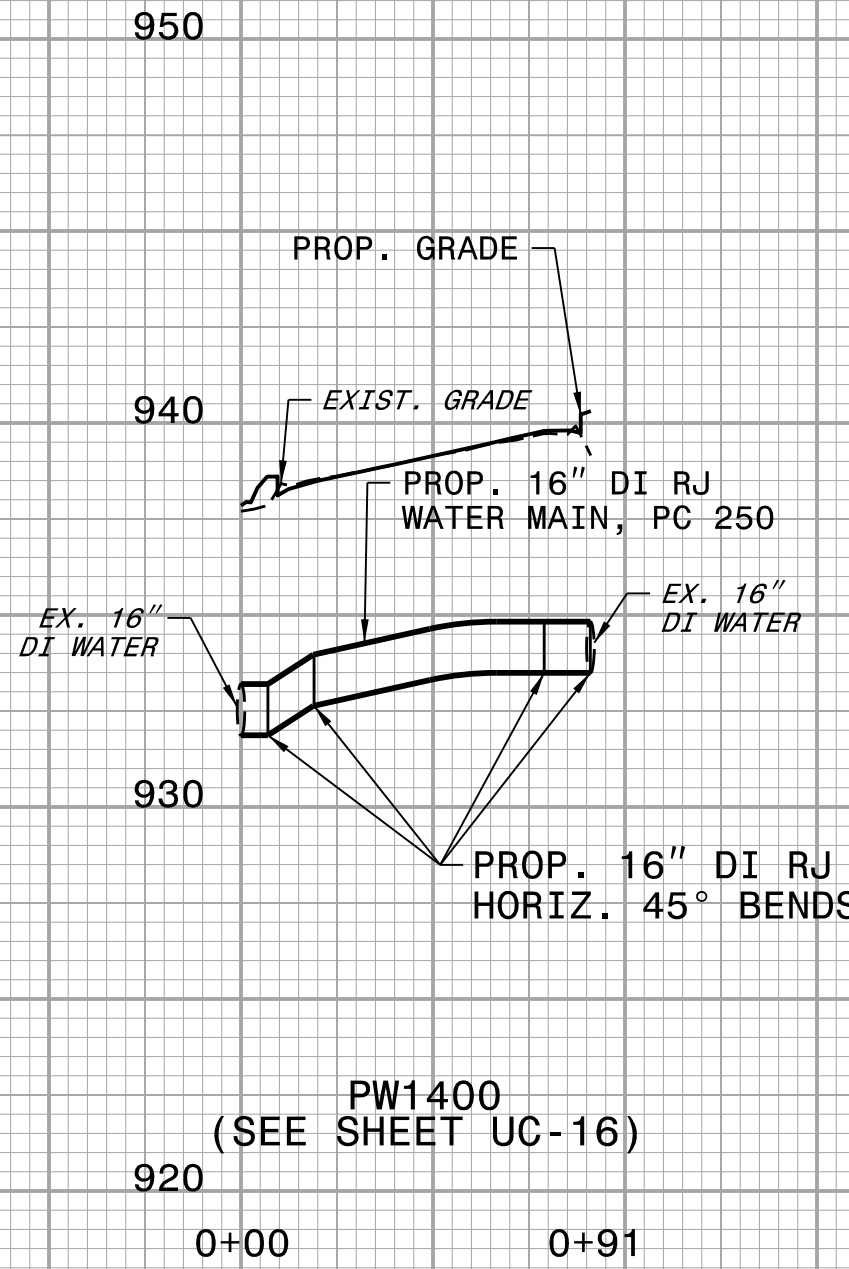
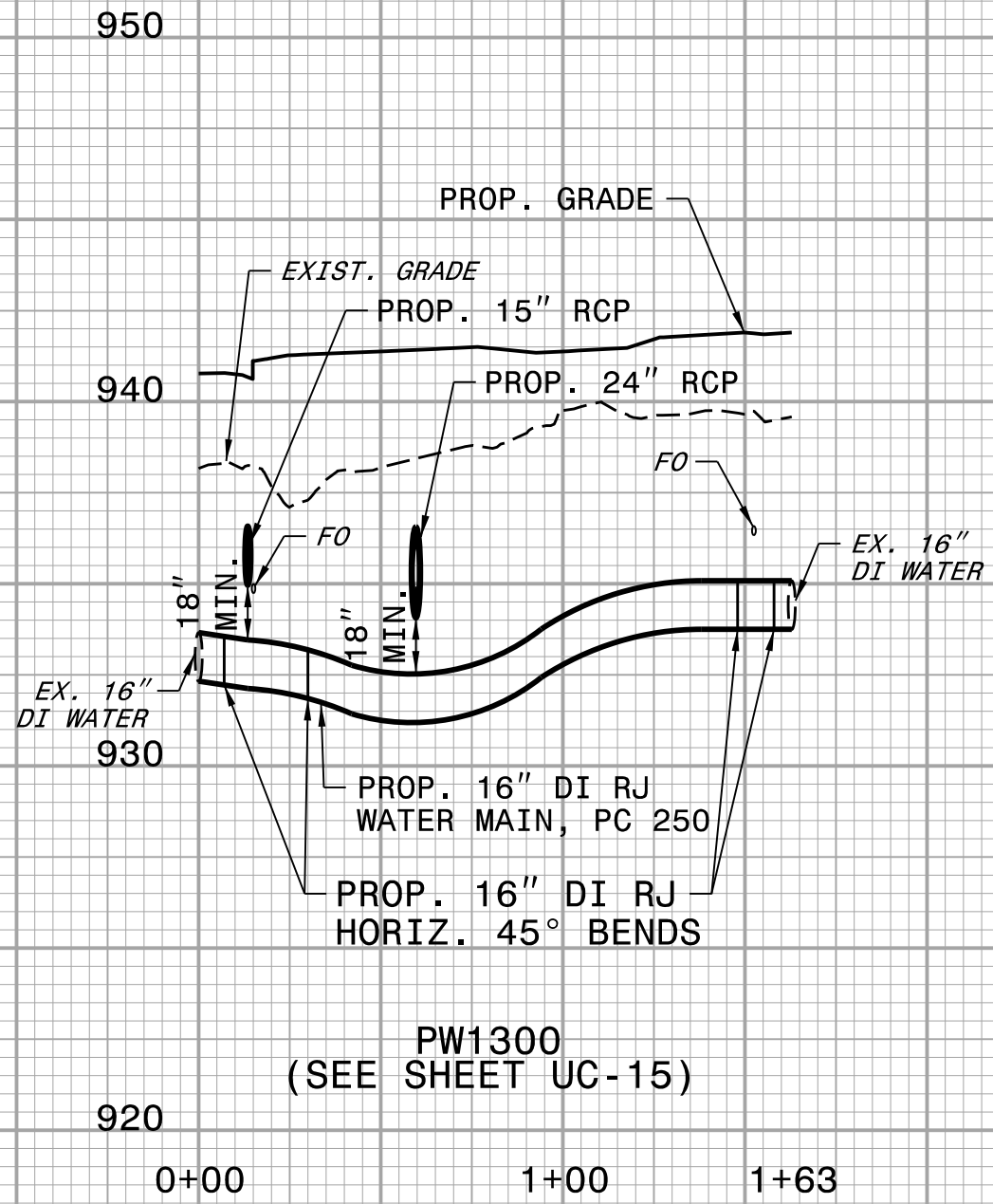
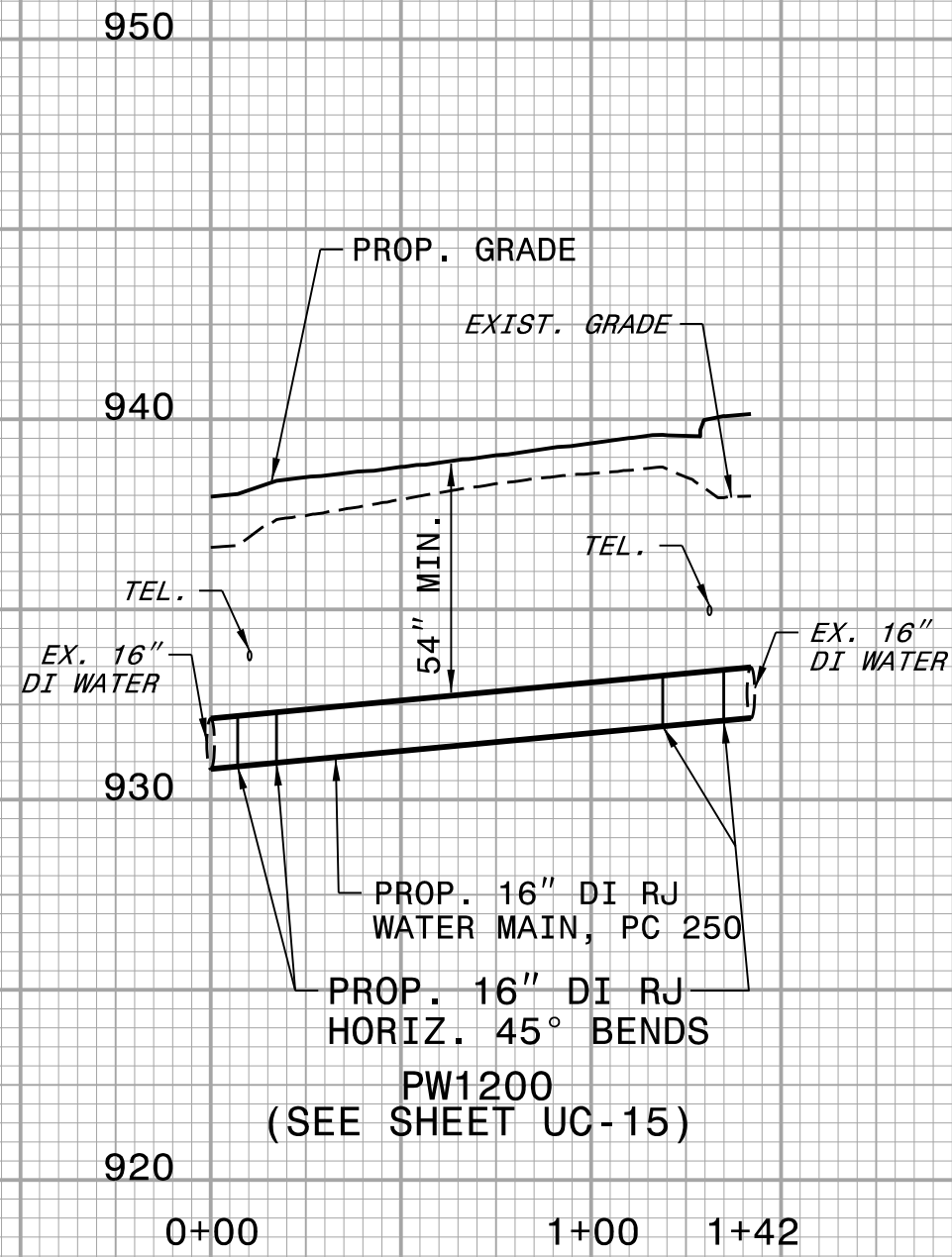
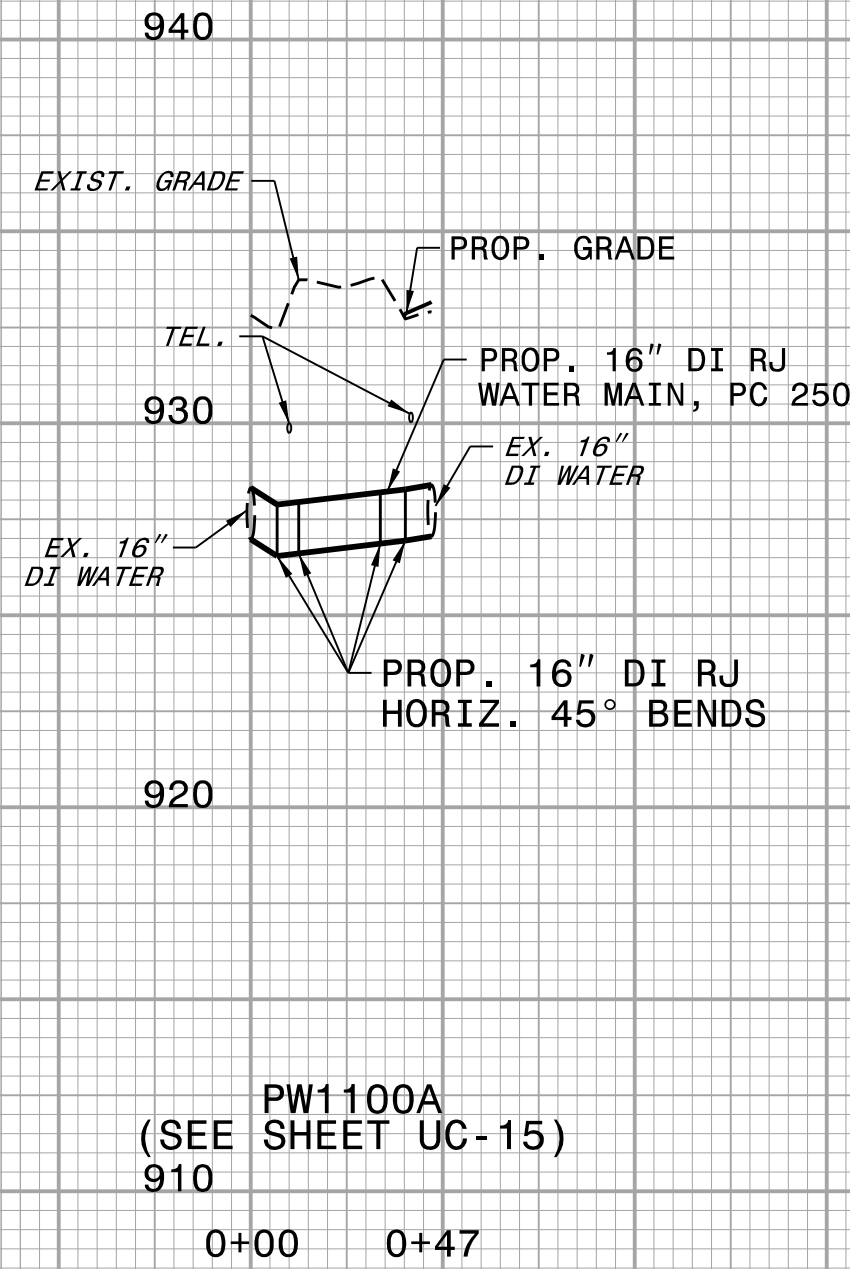
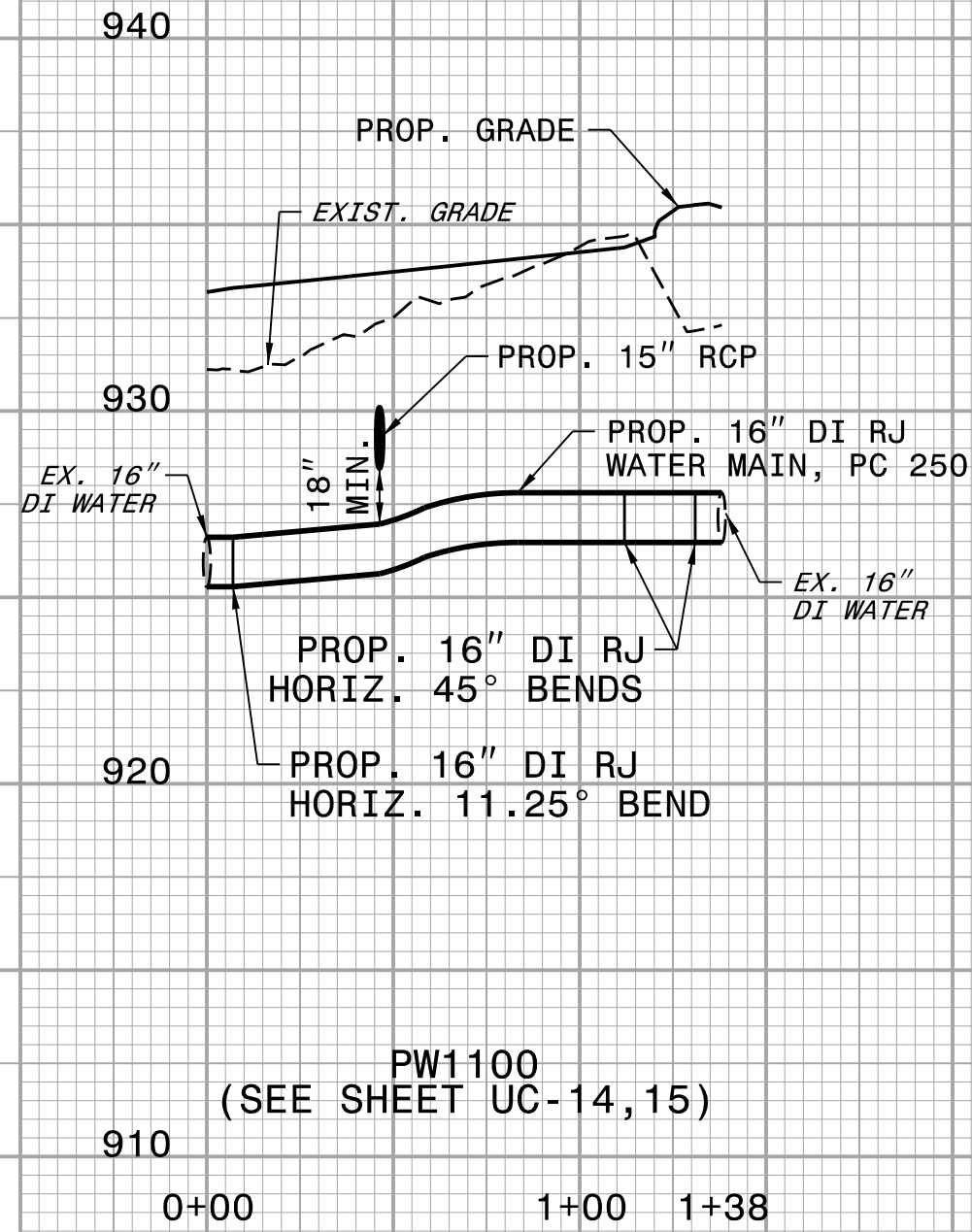


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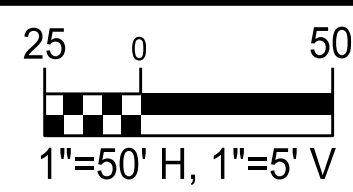
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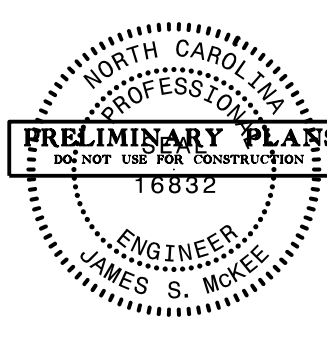
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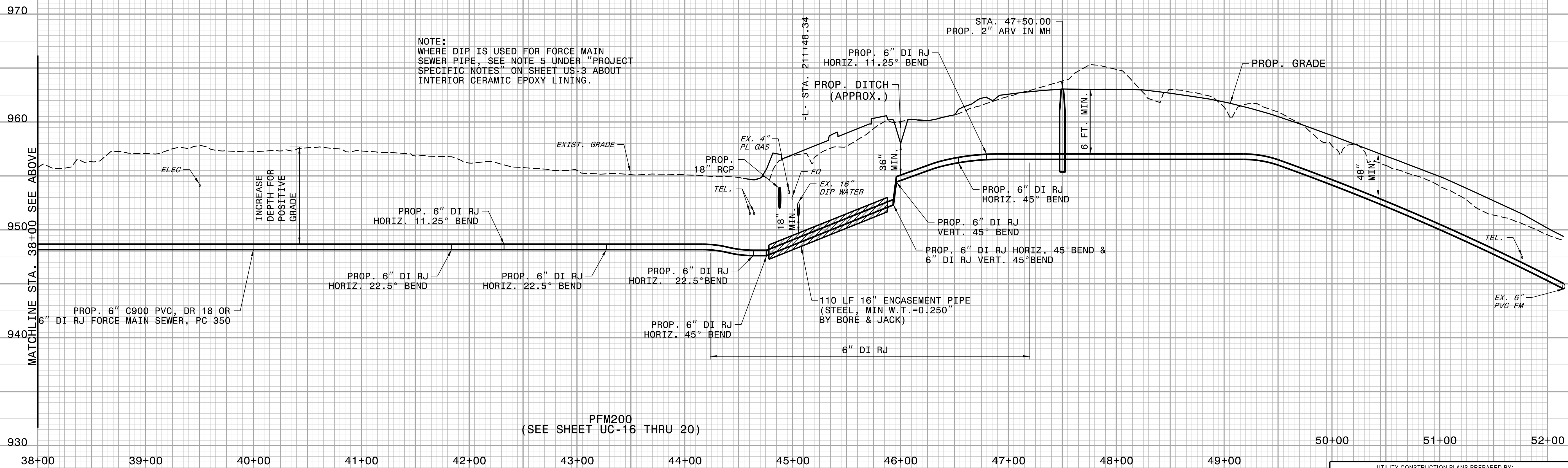
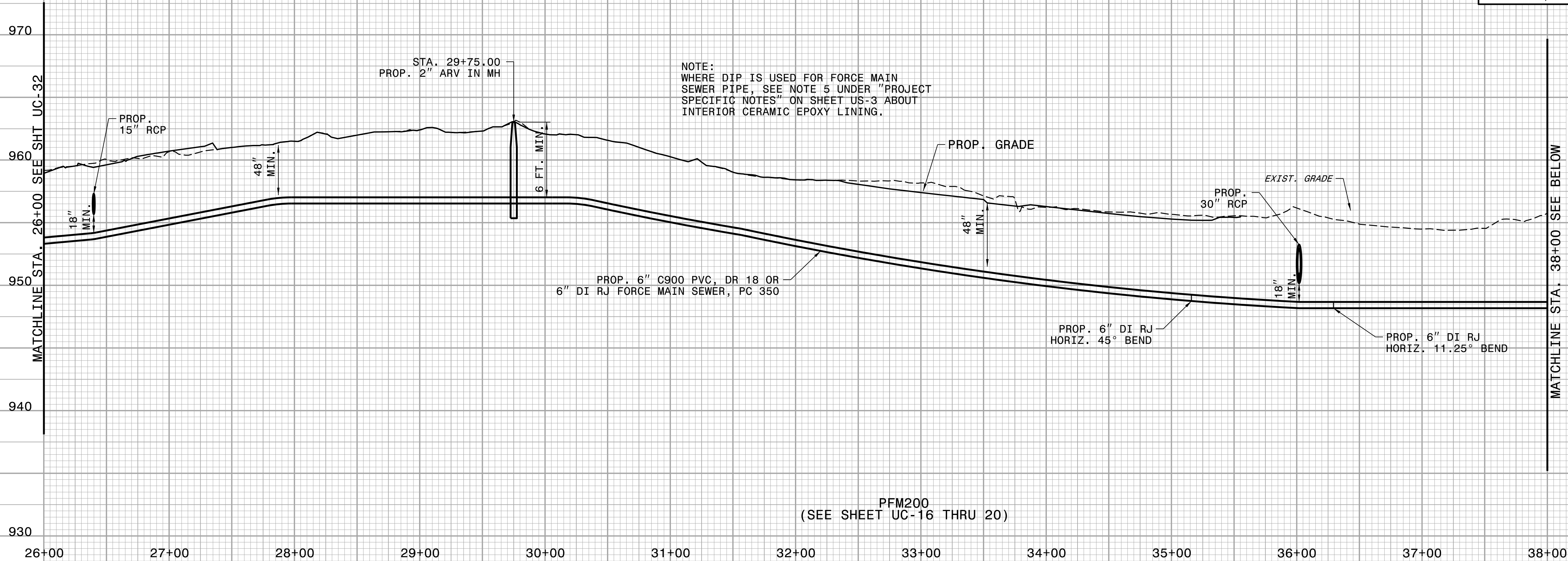
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-33
DESIGNED BY: DMP		
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N.C. Department of Transportation
SR 1818 (Johnson Street)/SR 1850 (Sandy Ridge Road) from
SR 1820 (Skeet Club Road) to South of I-40 in High Point
Guilford County
NCDOT Project U-4758

Pay Item List for Utility Construction
Based on Preliminary Utility Construction Plans - 1/10/2025

EXHIBIT B

Quantities separated by cost responsibility between
State and City of High Point

Type	Item Number	Section	Pay Item Description	TOTALS			Unit of Meas.
				State	High Point	TOTAL	
D	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	283	396	679	TON
D	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	1,781	2,538	4,319	SY
P	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	47	349	396	TON
D	2830000000-N	858	ADJUSTMENT OF MANHOLES	0	1	1	EA
D	2847000000-N	858	RECONSTRUCT MANHOLE STRUCTURES	0	18	18	EA
U	5325600000-E	1510	6" WATER LINE	0	56	56	LF
U	5325800000-E	1510	8" WATER LINE	0	673	673	LF
U	5326000000-E	1510	10" WATER LINE	0	50	50	LF
U	5326200000-E	1510	12" WATER LINE	0	1,403	1,403	LF
U	5326600000-E	1510	16" WATER LINE	0	5,070	5,070	LF
U	5329000000-E	1510	DI WATER PIPE FITTINGS	0	54,575	54,575	LBS
U	5540000000-E	1515	6" VALVE	0	16	16	EA
U	5546000000-E	1515	8" VALVE	0	1	1	EA
U	5558000000-E	1515	12" VALVE	0	2	2	EA
U	5558600000-E	1515	16" VALVE	0	16	16	EA
U	5571000000-E	1515	16"X6" TAPPING SLEEVE & VALVE	0	2	2	EA
U	5589200000-E	1515	2" AIR RELEASE VALVE	3	1	4	EA
U	5648000000-N	1515	RELOCATE WATER METER	0	3	3	EA
U	5649000000-N	1515	RECONNECT WATER METER	0	2	2	EA
U	5656900000-E	1515	10" RPZ BACKFLOW PREVENTION ASSEMBLY	0	1	1	EA
U	5666000000-N	1515	FIRE HYDRANT	0	4	4	EA
U	5672000000-N	1515	RELOCATE FIRE HYDRANT	0	25	25	EA
U	5673000000-E	1515	FIRE HYDRANT LEG	0	965	965	LF
U	5679200000-E	1515	16" LINE STOP	0	8	8	EA
U	5686500000-E	1515	WATER SERVICE LINE	0	176	176	LF
U	5691300000-E	1520	8" SANITARY GRAVITY SEWER	0	895	895	LF
U	5709300000-E	1520	6" FORCE MAIN SEWER	5,343	0	5,343	LF
U	5768000000-N	1520	SANITARY SEWER CLEANOUT	0	0	0	EA
U	5768500000-E	1520	SEWER SERVICE LINE	0	0	0	LF
U	5769000000-E	1520	DI SEWER PIPE FITTINGS	2,585	0	2,585	LBS
U	5775000000-E	1525	4' DIA UTILITY MANHOLE	0	5	5	EA
U	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	0	35	35	LF
U	5801000000-E	1530	ABANDON 8" UTILITY PIPE	0	8	8	LF
U	5804000000-E	1530	ABANDON 12" UTILITY PIPE	0	325	325	LF
U	5810000000-E	1530	ABANDON 16" UTILITY PIPE	0	3,635	3,635	LF
U	5815000000-E	1530	REMOVE WATER METER	0	136	136	EA
U	5816000000-E	1530	ABANDON UTILITY MANHOLE	1	1	2	EA
U	5835700000-E	1540	16" ENCASEMENT PIPE	315	110	425	LF
U	5835800000-E	1540	18" ENCASEMENT PIPE	0	108	108	LF
U	5872500000-E	1550	BORE AND JACK OF 16"	315	0	315	LF
U	5872500000-E	1550	BORE AND JACK OF 18"	0	0	0	LF
U	5882000000-N	SP	REMOVE EXISTING VAULT	0	1	1	LF
U	5882000000-N	SP	REMOVE EXISTING BLOW OFF, VALVE, AND FLAP VALVE	0	1	1	EA

	<u>State</u>	<u>High Point</u>	<u>TOTAL</u>
Estimated Construction Cost Responsibility	\$ 799,914	\$ 3,775,009	\$ 4,574,923
Estimated Engineering Cost Responsibility	\$ 34,884.70	\$ 164,456.46	\$ 199,341.16
	17.5%	82.5%	100.0%

AGREEMENT OVERVIEW

NORTH CAROLINA
GUILFORD COUNTY

DATE: 1/24/2025

PARTIES TO THE AGREEMENT:

PROJECT NUMBERS:

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION

TIP #: U-4758

AND

WBS ELEMENTS: PE 40251.1.1
CON 40251.3.1

CITY OF HIGH POINT

The purpose of this Agreement is to identify the participation in project costs, project delivery and/or maintenance, by the other party to this Agreement, as further defined in this Agreement.

SCOPE OF PROJECT (“Project”): This Project consists of preliminary engineering and utility construction involved with widening SR 1818 (Johnson Street)/SR 1850 (Sandy Ridge Road) to multi-lanes from SR 1820 (Skeet Club Road) to I-40 in High Point.

ESTIMATED COST TO OTHER PARTY: \$ 3,939,465.46

ESTIMATED COST TO OTHER PARTY (PE): \$ 164,456.46

ESTIMATED COSTS TO OTHER PARTY (CON): \$ 3,775,009.00

PAYMENT TERMS: The Department will invoice the City of High Point upon completion of the Project.

MAINTENANCE: City of High Point

EFFECTIVE DATES OF AGREEMENT:

START: Upon Full Execution of this Agreement

END: When work is complete and all terms are met.

This **Agreement** is made and entered into on the last date executed below, by and between the North Carolina Department of Transportation, an agency of the State of North Carolina, hereinafter referred to as the **Department** and the City of High Point, hereinafter referred to as the **Municipality**; and collectively referred to as the **Parties**.

The **Parties** to this Agreement, listed above, intend that this Agreement, together with all attachments, schedules, exhibits, and other documents that both are referenced in this Agreement and refer to this Agreement, represents the entire understanding between the **Parties** with respect to its subject matter and supersedes any previous communication or agreements that may exist.

I. WHEREAS STATEMENTS

WHEREAS, this Agreement is made under the authority granted to the **Department** by the North Carolina General Assembly under General Statutes of North Carolina (NCGS), particularly Chapter 136-27.1 and 136 27.3; and,

WHEREAS, the **Department** has plans to make certain street and highway constructions and/or traffic control improvements; and,

WHEREAS, the **Municipality** has requested that the **Department** perform work or provide services; and,

WHEREAS, the **Parties** hereto wish to enter into an agreement for scoped work to be performed or provided by the **Department** (including construction, reviews, goods, or services) with reimbursement for the costs thereof by the **Municipality** as hereinafter set out; and,

WHEREAS, the **Department** and the **Municipality** have agreed that the jurisdictional limits of the **Parties**, as of the date of entering the agreement for the above-mentioned project, are to be used in determining the duties, responsibilities, rights, and legal obligations of the **Parties** hereto for the purposes of this Agreement; and,

NOW, THEREFORE, this Agreement states the promises and undertakings of each party as herein provided, and the **Parties** do hereby covenant and agree, each with the other, as follows:

II. RESPONSIBILITIES

A. DEPARTMENT

The **Department** shall be responsible for all phases of project delivery to include planning, design, right of way acquisition, utility relocation, and construction as shown in the **PROJECT DELIVERY** Provision.

B. MUNICIPALITY

The **Municipality** shall be responsible for maintenance as shown in the **PROJECT DELIVERY** Provision and payment as shown in the **COSTS AND FUNDING** Provision.

III. PROJECT DELIVERY REQUIREMENTS

A. PRELIMINARY ENGINEERING

- i. At the request of the **Municipality**, the **Department** will provide design services for the required relocation and/or betterment of the **Municipality's** utility lines as affected by Project U-4758. The work is described as follows: Widening SR 1818 (Johnson

Street)/SR 1850 (Sandy Ridge Road) to multi-lanes from SR 1820 (Skeet Club Road) to I-40 in High Point.

- ii. The **Department** will ensure the design of municipal utility relocation is performed by professional engineering services. If the **Department** revises highway plans, then the **Municipality** reserves the right to re-engineer relocation plans.
- iii. Upon the satisfactory completion of the utility construction plans covered under this Agreement, the **Municipality** shall review and approve the plans, the associated estimated utility construction cost, and special provisions to be made part of the **Department's** roadway contract for highway construction. The **Municipality** shall release the **Department** of any future responsibility for the design of the utility construction plans. Said releases shall be deemed to be given by the **Municipality** upon completion of the plans, estimate, special provisions and acceptance by the **Department** and **Municipality** for the plans to be made part of the highway contract.

B. CONSTRUCTION

- i. At the request of the **Municipality** the **Department** shall place provisions in the construction contract for Project U-4758, for the contractor to adjust and relocate utility lines and/or provide betterment. The work is described as follows: Widening SR 1818 (Johnson Street)/SR 1850 (Sandy Ridge Road) to multi-lanes from SR 1820 (Skeet Club Road) to I-40 in High Point.
- ii. Said work shall be accomplished in accordance with plan sheets, attached hereto as Exhibit "A", cost estimate attached hereto as Exhibit "B", and project specific provisions, if applicable, attached hereto as Exhibit "C".

C. MAINTENANCE

- i. Upon the satisfactory completion of the relocations and adjustments of the utility lines covered under this Agreement, the **Municipality** shall assume normal maintenance operations to the said utility lines. Upon completion of the construction of the highway project, the **Municipality** shall release the **Department** from any and all claims for damages in connection with adjustments made to its utility lines; and, further, the **Municipality** shall release the **Department** of any future responsibility for the cost of maintenance to said utility lines. Said releases shall be deemed to be given by the **Municipality** upon completion of construction of the project and its acceptance by the **Department** from its contractor unless the **Municipality** notifies the **Department**, in writing, to the contrary prior to the **Department's** acceptance of the project.
- ii. The **Municipality** obligates itself to service and to maintain its facilities to be retained and installed over and along the highway within the **Department's** right-of-way limits in accordance with the mandate of the North Carolina General Statutes and such other laws,

rules, and regulations as have been or may be validly enacted or adopted, now or hereafter.

- iii. If at any time the **Department** shall require the removal of or changes in the location of the encroaching facilities which are being relocated at the **Municipality's** expense, the **Municipality** binds itself, its successors, and assigns, to promptly remove or alter said facilities, in order to conform to the said requirement (if applicable per G.S. 136-27.1), without any cost to the **Department**.

IV. COSTS AND FUNDING

A. PROJECT COSTS

- i. The **Municipality** shall be responsible for relocation, and/or betterment, costs for work as shown on the attached Exhibit "A". The estimated cost to the **Municipality** is \$3,939,465.46 as shown on the attached Exhibit "B".
- ii. It is understood by both **Parties** that this is an estimated cost and is subject to change.

B. PAYMENT BY THE MUNICIPALITY

- i. Based on the estimated Preliminary Engineering cost of \$164,456.50 the **Municipality** shall submit payment for \$164,456.50 to the **Department's** Fiscal Section upon full execution of this Agreement in accordance with the attached "Remittance Guidance".
- ii. Upon completion of the highway work, the **Department** shall submit an itemized invoice to the **Municipality** for costs incurred. Billing will be based upon the actual bid prices and actual quantities used and shall include charges due to the **Department** for administration and oversight of the work.
- iii. Reimbursement shall be made by the **Municipality** in one final payment within sixty (60) days of said invoice.
- iv. If the **Municipality** does not pay said invoice within sixty (60) days of the date of the invoice, the **Department** shall charge interest on any unpaid balance at a variable rate of the prime plus one percent (1%) in accordance with G.S. 136-27.3.
- v. Any cost incurred due to additional utility work requested by the **Municipality** after award of the construction contract, shall be solely the responsibility of the **Municipality**. The **Municipality** shall reimburse the **Department** 100% of the additional utility cost.
- vi. In the event the **Municipality** fails for any reason to pay the **Department** in accordance with the provisions for payment hereinabove provided, North Carolina General Statute 136-41.3 authorizes the **Department** to withhold so much of the **Municipality's** share of

funds allocated to said **Municipality** by North Carolina General Statute, Section 136-41.1, until such time as the **Department** has received payment in full.

C. DOWN PAYMENT OR PRE-PAYMENT

At any time prior to final billing by the **Department**, the **Municipality** may prepay any portion of the estimated cost by sending payment in accordance with the attached “Remittance Guidance”. The **Department** will provide a final billing based on the fixed cost, less any previous payments that have been made.

V. STANDARD PROVISIONS

A. AGREEMENT MODIFICATIONS

Any modification to scope, funding, responsibilities, or time frame will be agreed upon by all **Parties** by means of a written Supplemental Agreement.

B. ASSIGNMENT OF RESPONSIBILITIES

The **Department** must approve any assignment or transfer of the responsibilities of the **Municipality** set forth in this Agreement to other parties or entities.

C. AGREEMENT FOR IDENTIFIED PARTIES ONLY

This Agreement is solely for the benefit of the identified **Parties** to the Agreement and is not intended to give any rights, claims, or benefits to third parties or to the public at large.

D. OTHER AGREEMENTS

The **Municipality** is solely responsible for all agreements, contracts, and work orders entered into or issued by the **Municipality** to meet the terms of this Agreement. The **Department** is not responsible for any expenses or obligations incurred for the terms of this Agreement except those specifically eligible for the funds and obligations as approved by the **Department** under the terms of this Agreement.

E. TITLE VI

The other party to this Agreement shall comply with Title VI of the Civil Rights Act of 1964 (Title 49 CFR, Subtitle A, Part 21) and related nondiscrimination authorities. Title VI and related authorities prohibit discrimination on the basis of race, color, national origin, disability, gender, and age in all programs or activities of any recipient of Federal assistance.

F. FACSIMILE

A copy or facsimile copy of the signature of any party shall be deemed an original with each fully executed copy of the Agreement as binding as an original, and the **Parties** agree that this Agreement can be executed in counterparts, as duplicate originals, with facsimile signatures sufficient to evidence an agreement to be bound by the terms of the Agreement.

G. AUTHORIZATION TO EXECUTE

The **Parties** hereby acknowledge that the individual executing this Agreement has read this Agreement, conferred with legal counsel, fully understands its contents, and is authorized to execute this Agreement and to bind the respective **Parties** to the terms contained herein.

H. DEBARMENT POLICY

It is the policy of the **Department** not to enter into any agreement with parties that have been debarred by any government agency (Federal or State). By execution of this agreement, the **Municipality** certifies that neither it nor its agents or contractors are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any Federal or State Agency or Department and that it will not enter into agreements with any entity that is debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction.

I. INDEMNIFICATION

To the extent authorized by state and federal claims statutes, the **Municipality** shall be responsible for its actions under the terms of this agreement and save harmless the FHWA (if applicable), the **Department**, and the State of North Carolina, their respective officers, directors, principals, employees, agents, successors, and assigns from and against any and all claim for payment, damages and/or liabilities of any nature, asserted against the **Department** in connection with this Agreement. The **Department** shall not be liable and shall be held harmless from any and all third-party claims that might arise on account of the **Municipality's** negligence and/or responsibilities under the terms of this agreement.

J. AVAILABILITY OF FUNDS

All terms and conditions of this Agreement are dependent upon, and, subject to the allocation of funds for the purpose set forth in the Agreement and the Agreement shall automatically terminate if funds cease to be available.

K. DOCUSIGN

The **Department** and **Municipality** acknowledge and agree that the electronic signature application DocuSign may be used, at the sole election of the **Department** or the **Municipality**, to execute this Agreement. By selecting "I Agree", "I Accept", or other similar

item, button, or icon via use of a keypad, mouse, or other device, as part of the DocuSign application, the **Department** and **Municipality** consent to be legally bound by the terms and conditions of Agreement and that such act constitutes **Department's** signature as if actually signed by the **Department** in writing or the **Municipality's** signature as if actually signed by the **Municipality** in writing. The **Department** and **Municipality** also agree that no certification authority or other third-party verification is necessary to validate its electronic signature and that the lack of such certification or third-party verification will not in any way affect the enforceability of its electronic signature. The **Department** and **Municipality** acknowledge and agree that delivery of a copy of this Agreement or any other document contemplated hereby through the DocuSign application, will have the same effect as physical delivery of the paper document bearing an original written signature.

L. GIFT BAN

By Executive Order 24, issued by Governor Perdue, and NCGS 133-32, it is unlawful for any vendor or contractor (i.e. architect, bidder, contractor, construction manager, design professional, engineer, landlord, offeror, seller, subcontractor, supplier, or vendor), to make gifts or to give favors to any State employee of the Governor's Cabinet Agencies (i.e. Administration, Adult Corrections, Commerce, Environmental Quality, Health and Human Services, Information Technology, Military and Veterans Affairs, Natural and Cultural Resources, Public Safety, Revenue, Transportation, and the Office of the Governor).

SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(DOCUSIGN ONLY)

Authorized Signer: _____

Print Name: _____

Title: _____

Date Signed: _____

If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

CITY OF HIGH POINT

FED TAX ID NO: _____

REMITTANCE ADDRESS: _____

Finance Officer: _____

Print Name: _____

Date Signed: _____

DEPARTMENT OF TRANSPORTATION

BY: _____

TITLE: _____

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (DATE)

SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(INK SIGNATURES ONLY)

ATTEST: _____ Authorized Signer: _____

BY: _____ Print Name: _____

TITLE: _____ Title: _____

Date Signed: _____

If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

CITY OF HIGH POINT

FED TAX ID NO: _____ Finance Officer: _____

REMITTANCE ADDRESS: _____ Print Name: _____

_____ Date Signed: _____

DEPARTMENT OF TRANSPORTATION (DocuSign)

BY: _____

TITLE: _____

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (DATE)

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Municipal Agreement with NCDOT

FROM:

Greg Venable, Transportation Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Municipal Agreement
-

PURPOSE: Financial participation through a Municipal Agreement with NCDOT for participation of sidewalk, multi-use path, and black powder coating of traffic signal strain poles betterment cost.

BACKGROUND: The NCDOT project U-4758 will widen Johnson Street/Sandy Ridge Road from Skeet Club Road to I-40 to a four-lane median divided facility. Included in the project is a 10-foot-wide side path on one side and a 5-foot-wide sidewalk on the other side. Total cost of the sidewalk, multi-use path, and black powder coated strain poles is \$4,141,459.36. High Point's share of the cost is \$1,916,217.98.

BUDGET IMPACT: Funds are available in the adopted FY24-25 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a Municipal Agreement with NCDOT in the amount of \$1,916,217.98 for the Johnson Street/Sandy Ridge Road project (U-4758) and authorize the appropriate City Official(s) to execute all necessary documents.

AGREEMENT OVERVIEW

NORTH CAROLINA
GUILFORD COUNTY

DATE: 1/23/2025

PARTIES TO THE AGREEMENT:

PROJECT NUMBERS:

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION

TIP #: U-4758

WBS ELEMENTS: CON 40251.3.1

AND

CITY OF HIGH POINT

The purpose of this Agreement is to identify the participation in project costs, project delivery and/or maintenance, by the other party to this Agreement, as further defined in this Agreement.

SCOPE OF TIP PROJECT (“Project”): This Project consists of widening SR 1818 (Johnson Street)/SR 1850 (Sandy Ridge Road) to multi-lanes from SR 1820 (Skeet Club Road) to I-40 in High Point.

ADDITIONAL WORK: At the request of the City of High Point, traffic signals will be upgraded to black powder coating of signal strain poles, a multi-use path and the City will contribute to the cost of the sidewalk.

ESTIMATED COST OF THE ADDITIONAL WORK: \$1,916,217.98

COSTS TO OTHER PARTY: \$1,916,217.98

PAYMENT TERMS: The Department will invoice the City of High Point upon completion of the Project.

MAINTENANCE: Both the Department and the City of High Point

EFFECTIVE DATES OF AGREEMENT:

START: Upon Full Execution of this Agreement

END: When work is complete and all terms are met.

This Agreement is made and entered into on the last date executed below, by and between the North Carolina Department of Transportation, an agency of the State of North Carolina, hereinafter referred to as the **Department** and the City of High Point, hereinafter referred to as the **Municipality**; and collectively referred to as the **Parties**.

**ACCOUNTS RECEIVABLE
TIP AGREEMENT – ADDITIONAL WORK
CONSTRUCTION
1000024527**

The **Parties** to this Agreement, listed above, intend that this Agreement, together with all attachments, schedules, exhibits, and other documents that both are referenced in this Agreement and refer to this Agreement, represents the entire understanding between the **Parties** with respect to its subject matter and supersedes any previous communication or agreements that may exist.

DRAFT

I. WHEREAS STATEMENTS

WHEREAS, this Agreement is made under the authority granted to the **Department** by the North Carolina General Assembly under General Statutes of North Carolina (NCGS), particularly Chapter 136-66.1 and 136-66.3; and,

WHEREAS, the **Department** and the **Municipality** have agreed that the jurisdictional limits of the **Parties**, as of the date of entering the agreement for the above-mentioned project, are to be used in determining the duties, responsibilities, rights, and legal obligations of the **Parties** hereto for the purposes of this Agreement; and,

WHEREAS, the **Municipality** has requested that the **Department** perform all phases of said work or provide services; and,

WHEREAS, the **Parties** hereto wish to enter into an agreement for scoped work to be performed or provided by the **Department** (including reviews, goods, or services) with reimbursement for the costs thereof by the **Municipality** as hereinafter set out.

NOW, THEREFORE, this Agreement states the promises and undertakings of each party as herein provided, and the **Parties** do hereby covenant and agree, each with the other, as follows:

II. RESPONSIBILITIES

A. DEPARTMENT

The **Department** shall be responsible for all phases of project delivery to include planning, design, right of way acquisition, utility relocation, construction and maintenance as shown in the **PROJECT DELIVERY** Provision.

B. MUNICIPALITY

The **Municipality** shall be responsible for maintenance as shown in the **PROJECT DELIVERY** Provision and payment as shown in the **COSTS AND FUNDING** Provision.

III. PROJECT DELIVERY REQUIREMENTS

A. PLANNING, DESIGN, AND CONSTRUCTION

- i. The **Department** will be responsible for preparing the environmental and/or planning document and obtaining any environmental permits.
- ii. The **Department** will be responsible for preparing the project plans and specifications and letting the Project to construction.

- iii. The **Department** shall construct the Project in accordance with the plans and specifications for the Project. The **Department** shall administer the construction contract for said Project. All work shall be done in accordance with Departmental standards, specifications, policies, and procedures.

B. RIGHT OF WAY ACQUISITION

The **Department** will be responsible for acquiring any needed right of way required for the Project in accordance with the policies and procedures set forth in the North Carolina Right of Way Manual.

C. MUNICIPAL UTILITY RELOCATIONS

Responsibilities

It is understood that there are no municipally-owned water and sewer lines to be adjusted or relocated at this time. If during the project it becomes necessary to adjust or relocate municipally-owned water and/or sewer lines, a separate Utility Agreement will be prepared at the appropriate time.

D. MAINTENANCE

Upon completion of the Project:

- i. The **Municipality** shall be responsible for maintaining the sidewalks and multi-use paths.
- ii. Should a signal pole need to be replaced, the **Department** will attempt to acquire a similar colored metal pole to replace it. The **Municipality** will be responsible for the cost difference between galvanized pole and colored metal pole. If colored metal pole is not readily available, **Department** will use galvanized pole/pedestal for the replacement as restoring the operation of the signal is priority. Should the **Municipality** desire to replace a galvanized pole/pedestal, they shall be responsible for material and installation costs.
- iii. The **Department** shall be responsible for all traffic operating controls and devices which shall be established, enforced, and installed and maintained in accordance with the North Carolina General Statutes, the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, the latest edition of the "Policy on Street and Driveway Access to North Carolina Highway," and department criteria.
- iv. The roadway improvements that are within state-owned right of way shall be considered a part of the State Highway System and shall be owned and maintained by the **Department**.

IV. COSTS AND FUNDING

A. ADDITIONAL WORK

At the request of the **Municipality** and in accordance with the **Department's** Pedestrian Policy Guidelines or the Complete Streets Guidelines, the **Department** shall include provisions in its construction contract for the construction of pedestrian facilities and/or other additional work as indicated in the Table below. Said work shall be performed in accordance with the **Department's** policies, procedures, standards, and specifications, and the provisions of this Agreement.

Description	Cost to Municipality
Sidewalk Cost Share	\$ 445,048.28
Sidewalk Betterment to Multi-Use Path	\$ 1,119,960.00
Signal Pole Black Powder Coating	\$ 98,400.00
E&C and Mobilization	\$ 252,809.70
Total Estimated Cost to Municipality	\$ 1,916,217.98

The estimated Municipal share of the additional work is \$1,916,217.98. The **Parties** understand that this is an estimated cost and subject to change.

B. PROJECT COSTS

The **Municipality** has agreed to participate in the Project costs as follows:

- i. The estimated cost of the additional work is \$1,916,217.98. The **Municipality** shall participate in 100% of actual costs. The **Department** will participate in 0% of actual costs.
- ii. The **Department** may consult with the **Municipality** on changes to cost estimates prior to construction, or changes to costs during construction. Consultation between the **Department** and the **Municipality** is offered as a courtesy to apprise the **Municipality** of potential cost increases and to allow appropriate budgeting. Failure of the **Department** to notify the **Municipality** of cost increases does not affect the payment terms of the agreement.

C. PAYMENT BY THE MUNICIPALITY

- i. Upon completion of the Project, the **Department** will calculate actual costs and bill the **Municipality** per **Project Costs** Provision. The **Municipality** shall reimburse the **Department** within sixty (60) days of invoicing by the **Department**. The **Department** will charge a late payment penalty and interest on any unpaid balance due in accordance with G. S. 147-86.23.

- ii. At any time prior to final billing by the **Department**, the **Municipality** may prepay any portion of the estimated cost by sending payment in accordance with the attached “Remittance Guidance”. The **Department** will provide a final billing based on the fixed cost, less any previous payments that have been made.
- iii. In the event the **Municipality** fails for any reason to pay the **Department** in accordance with the provisions for payment hereinabove provided, North Carolina General Statute 136-41.3 authorizes the **Department** to withhold so much of the **Municipality’s** share of funds allocated to said **Municipality** by North Carolina General Statute, Section 136-41.1, until such time as the **Department** has received payment in full.

V. STANDARD PROVISIONS

A. AGREEMENT MODIFICATIONS

Any modification to scope, funding, responsibilities, or time frame will be agreed upon by all **Parties** by means of a written Supplemental Agreement.

B. ASSIGNMENT OF RESPONSIBILITIES

The **Department** must approve any assignment or transfer of the responsibilities of the **Municipality** set forth in this Agreement to other parties or entities.

C. AGREEMENT FOR IDENTIFIED PARTIES ONLY

This Agreement is solely for the benefit of the identified **Parties** to the Agreement and is not intended to give any rights, claims, or benefits to third parties or to the public at large.

D. OTHER AGREEMENTS

The **Municipality** is solely responsible for all agreements, contracts, and work orders entered into or issued by the **Municipality** to meet the terms of this Agreement. The **Department** is not responsible for any expenses or obligations incurred for the terms of this Agreement except those specifically eligible for the funds and obligations as approved by the **Department** under the terms of this Agreement.

E. TITLE VI

The other party to this Agreement shall comply with Title VI of the Civil Rights Act of 1964 (Title 49 CFR, Subtitle A, Part 21) and related nondiscrimination authorities. Title VI and related authorities prohibit discrimination on the basis of race, color, national origin, disability, gender, and age in all programs or activities of any recipient of Federal assistance.

F. FACSIMILE

A copy or facsimile copy of the signature of any party shall be deemed an original with each fully executed copy of the Agreement as binding as an original, and the **Parties** agree that this Agreement can be executed in counterparts, as duplicate originals, with facsimile signatures sufficient to evidence an agreement to be bound by the terms of the Agreement.

G. AUTHORIZATION TO EXECUTE

The **Parties** hereby acknowledge that the individual executing this Agreement has read this Agreement, conferred with legal counsel, fully understands its contents, and is authorized to execute this Agreement and to bind the respective **Parties** to the terms contained herein.

H. DEBARMENT POLICY

It is the policy of the **Department** not to enter into any agreement with parties that have been debarred by any government agency (Federal or State). By execution of this agreement, the **Municipality** certifies that neither it nor its agents or contractors are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any Federal or State Agency or Department and that it will not enter into agreements with any entity that is debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction.

I. INDEMNIFICATION

To the extent authorized by state and federal claims statutes, the **Municipality** shall be responsible for its actions under the terms of this agreement and save harmless the FHWA (if applicable), the **Department**, and the State of North Carolina, their respective officers, directors, principals, employees, agents, successors, and assigns from and against any and all claim for payment, damages and/or liabilities of any nature, asserted against the **Department** in connection with this Agreement. The **Department** shall not be liable and shall be held harmless from any and all third-party claims that might arise on account of the **Municipality's** negligence and/or responsibilities under the terms of this agreement.

J. AVAILABILITY OF FUNDS

All terms and conditions of this Agreement are dependent upon, and, subject to the allocation of funds for the purpose set forth in the Agreement and the Agreement shall automatically terminate if funds cease to be available.

K. DOCUSIGN

The **Department** and **Municipality** acknowledge and agree that the electronic signature application DocuSign may be used, at the sole election of the **Department** or the **Municipality**, to execute this Agreement. By selecting "I Agree", "I Accept", or other similar

item, button, or icon via use of a keypad, mouse, or other device, as part of the DocuSign application, the **Department** and **Municipality** consent to be legally bound by the terms and conditions of Agreement and that such act constitutes **Department's** signature as if actually signed by the **Department** in writing or the **Municipality's** signature as if actually signed by the **Municipality** in writing. The **Department** and **Municipality** also agree that no certification authority or other third-party verification is necessary to validate its electronic signature and that the lack of such certification or third-party verification will not in any way affect the enforceability of its electronic signature. The **Department** and **Municipality** acknowledge and agree that delivery of a copy of this Agreement or any other document contemplated hereby through the DocuSign application, will have the same effect as physical delivery of the paper document bearing an original written signature.

L. GIFT BAN

By Executive Order 24, issued by Governor Perdue, and NCGS 133-32, it is unlawful for any vendor or contractor (i.e. architect, bidder, contractor, construction manager, design professional, engineer, landlord, offeror, seller, subcontractor, supplier, or vendor), to make gifts or to give favors to any State employee of the Governor's Cabinet Agencies (i.e. Administration, Adult Corrections, Commerce, Environmental Quality, Health and Human Services, Information Technology, Military and Veterans Affairs, Natural and Cultural Resources, Public Safety, Revenue, Transportation, and the Office of the Governor).

SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(DOCUSIGN ONLY)

Authorized Signer: _____

Print Name: _____

Title: _____

Date Signed: _____

If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

CITY OF HIGH POINT

FED TAX ID NO: _____

REMITTANCE ADDRESS:

Finance Officer: _____

Print Name: _____

Date Signed: _____

DEPARTMENT OF TRANSPORTATION

BY: _____

TITLE: _____

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (DATE)

SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(INK SIGNATURES ONLY)

ATTEST: _____ Authorized Signer: _____

BY: _____ Print Name: _____

TITLE: _____ Title: _____

Date Signed: _____

If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

CITY OF HIGH POINT

FED TAX ID NO: _____ Finance Officer: _____

REMITTANCE ADDRESS: _____ Print Name: _____

_____ Date Signed: _____

DEPARTMENT OF TRANSPORTATION (DocuSign)

BY: _____

TITLE: _____

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (DATE)

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Sole Source Purchase from Mile High Shooting Accessories

FROM:

C. H. Cheeks, III, Chief of Police

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Sole Source Letter
 2. Sole Source Justification Form
-

PURPOSE: The City Council is asked to award a Purchase Order as a Sole Source to Mile High Shooting Accessories for replacement & repairs.

BACKGROUND: The High Point Police Department has a need for rifle replacement and repairs for the SWAT Team. Mile High Shooting Accessories has offered the Police Department an opportunity to purchase this equipment with a trade-in allowance of \$7,500 for our current rifles. This procurement will allow all officers to have the same platform vs. using various weapons. The new weapons platform will allow for easy barrel replacement, the replacement that can be handled by an inhouse certified armorer with minimal downtime. Barrels will reach their lifespan and need replacement at three to four years, and cost approximately \$600 each to replace.

The Mile High Shooting Accessories is the only authorized independent service center in the United States for Accuracy International products. A sole source letter has been provided by the vendor dated 2024; staff verified this is the most up-to-date version. A 2025 version has not been issued to date.

BUDGET IMPACT: Funds are available in the FY 2024-25 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a sole source purchase from Mile High Shooting Accessories in the amount of \$37,704 for rifle replacement and repairs, and authorize the appropriate City Official(s) to execute all necessary documents.

RE: Sole Source Letter January 03, 2025

ATTN: Purchasing Agent

Mile High Shooting Accessories (MHSA) located at 5831 Ideal Drive; Frederick, CO 80516 is granted sole and exclusive rights to supply Accuracy International products and product support, and armorer's training to local, state and federal law enforcement organizations in the 50 United States. This right is granted by legal agreements by Accuracy International of North America, Inc. Located at 3410 Shannon Park Drive, Suite 100; Fredericksburg, VA 22408.

In further support of our agreement Mile High Shooting Accessories is the only authorized independent service center in the United States for Accuracy International products. Adam Rehor of Mile High Shooting Accessories has attended and successfully completed an intensive Accuracy International service and maintenance course for certification as an Accuracy International armorer at our company headquarters in Portsmouth England. Accuracy International of North America, Inc. is providing full support to Mile High Shooting Accessories with OEM part, service documentation, and engineering support to ensure high standards of quality and customer service. Mile High Shooting Accessories has invested in extensive machine shop facilities, service and support equipment, trained machinist and skilled personnel to provide the highest level of support for Accuracy International products. As a result of the high standards of facilities, personnel, training, and on-hand parts inventory, we have entrusted and authorized Mile High Shooting Accessories to provide armorer's training courses in accordance with Accuracy International training standards, and to issue the Accuracy International certificate of completion for armorer's training. Mile High Shooting Accessories is the first and only independent organization trained and authorized by Accuracy International to provide service and repair of Accuracy International products and armorer's certification courses.

Should you choose to purchase Accuracy International products from a different source, you can be assured that the seller will not have the backing from Accuracy International to service and support your rifles and other components of your sniper weapon system. Regardless of where our products are purchased, future service and support will have to be obtained through Mile High Shooting Accessories. One of risk you will assume by purchasing from a 3rd party is that MHSA will not be able to service or support components or machine work provided by other sources. Further consideration should be

given to the fact that Accuracy International cannot accept warranty responsibility for work or changes made to AI products by a company other than MHSA. We have made the considerable investment in MHSA as a trained and certified service center to protect both the integrity of our products and to protect the end user from substandard service and support.

As our products have gained wider acceptance and employment in the U.S. law enforcement community we have come to understand the unique needs and requirements of this very special customer group. We also recognized the investments and commitment MHSA has made over several years to cater the LE community, and this was critical to our decision to authorize MHSA as our exclusive LE distributor and service center. All other sellers of AI products are oriented to the sporting and retail markets and lack the resources and expertise of MHSA to serve the LE market with Accuracy International products. Most importantly these other resellers lack the backing and support of Accuracy International in catering to the LE community.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott Seigmund', with a stylized, flowing script.

Scott Seigmund

Vice President

SOLE SOURCE JUSTIFICATION FORM

(For Items Costing **\$10,000.00 or More**)
Statutory Reference N.C.G.S. 143-129(e)6

Requisition #

Vendor:

Item(s):

Justification:

Mile High Shooting Accessories (MHSA) is granted sole and exclusive rights to supply Accuracy International products and product support, and armorer's training to local, state and federal law enforcement organizations in the 50 United States. This Mile High Shooting Accessories is the only authorized independent service center in the United States for Accuracy International products

Estimated expenditure for the above item(s):

Accounting Unit and Account(s):

**CHECK ALL ENTRIES BELOW THAT APPLY TO THE PROPOSED PURCHASE.
ATTACH A MEMO CONTAINING JUSTIFICATION AND SUPPORT
DOCUMENTATION.**

1. ☐ Performance or price competition for a product are not available.
2. ☒ A needed product is available from only one source of supply.
3. ☐ Standardization or compatibility is the overriding consideration.
4. ☐ The parts/equipment are required from this source to permit standardization.
5. ☐ None of the above applies. A detailed explanation and justification for this sole source request is contained in attached memo and support documentation.

The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the material or service described in this sole source justification be authorized as a sole source for the material or service.

Department Head/Authorized Personnel Digitally signed by Curtis H Cheeks III
Date: 2025.01.22 15:51:26 -05'00'

Department/Division Date

APPROVAL PROCESS

Purchasing Manager Digitally signed by Candy E. Harmon
Date: 2025.01.24 08:47:42 -05'00'

Financial Services Director Digitally signed by Bobby Fitzjohn
Date: 2025.01.24 11:20:22 -05'00'

City Council (\$30,000 – Up)

City of High Point | P.O. BOX 230, High Point, NC 27261 | 336.883.3219



CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Contract with SIMCON Company, LLC

FROM:

Trevor Spencer, Engineering and Facilities Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

December 3, 2024

ATTACHMENTS:

1. Bid Recommendation Form

PURPOSE: Engineering Services recommends City Council approve a contract award for the True Lane Roadway project to SIMCON Company, LLC. True Lane is an unpaved, city-maintained street in need of roadway and drainage improvements. The project will deliver concrete driveway aprons, drainage ditch improvements, and asphalt paving along True Lane from Triangle Lake Road to Hickory Chapel Road.

BACKGROUND: On January 21, 2025, the City received bids for contract ENG-2024-002 from the following responsive bidders:

\$256,339.00	SIMCON Company, LLC
\$430,191.89	Sharpe Brothers, a Division of Vecellio & Grogan, Inc.
\$283,025.00	P&S Grading, LLC
\$349,360.00	Triangle Grading and Paving, Inc.

The contract time is 120 calendar days to complete the project and is available to commence upon a Notice to Proceed.

BUDGET IMPACT: Funds are available in the FY 2024-2025 budget.

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a contract with SIMCON Company, LLC in the amount of \$256,339 for the True Lane Roadway Project and authorize the appropriate City Official(s) to execute all necessary documents.

BID RECOMMENDATION

DEPARTMENT: **Engineering Services**

COUNCIL AGENDA DATE: **February 3, 2025**

BID NO.: **2013-012125** CONTRACT NO.: **ENG-2024-002** DATE OPEN: **1/21/25**

DESCRIPTION:

True Lane Roadway Project

PURPOSE:

True Lane is an unpaved, city-maintained street in need of roadway and drainage improvements. The project will deliver concrete driveway aprons, drainage ditch improvements, and asphalt paving along True Lane from Triangle Lake Road to Hickory Chapel Road.

COMMENTS:

RECOMMEND AWARD TO: **SIMCON Company, LLC** AMOUNT: **\$256,339.00**

JUSTIFICATION:

The City received 4 qualified bids, and SIMCON was the lowest responsive responsible bidder at \$256,339.00.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
101721	527206			\$256,339.00
TOTAL BUDGETED AMOUNT				\$256,339.00

DEPARTMENT HEAD: **Trevor Spencer** Digitally signed by Trevor Spencer
Date: 2025.01.23 08:45:06 -05'00' DATE: **1/23/25**

The Purchasing Division concurs with recommendation submitted by the **Engineering Services Dept.** and recommends award to the lowest responsible, responsive bidder **SIMCON Company, LLC** in the amount of **\$256,339.00**.

PURCHASING MANAGER: **Candy E. Harmon** Digitally signed by Candy E. Harmon
Date: 2025.01.24 08:32:03 -05'00' DATE: **1/24/25**

Approved for Submission to
Council

FINANCIAL SERVICES DIRECTOR: **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn
Date: 2025.01.24 11:40:09 -05'00' DATE: **1/24/25**

CITY MANAGER: _____ DATE: _____
(For City Council Approval Only)

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Contract Renewal with Wake Forest Baptist Medical Center (WFBMC)

FROM:

Angela Kirkwood, Human Resources Director

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Agreement for Services
-

PURPOSE: Renew the contract between WFBMC and the City of High Point for the onsite clinic services from January 1, 2025 to December 31, 2025.

BACKGROUND: Through a partnership with WFBMC, the City has an on-site health clinic with expanded services that include primary and sick visits, point-of-care testing and lab draws, chronic care management and health education, care navigation and coordination, basic over-the-counter medications, customized wellness website, mobile mammograms, and enhanced wellness program options, such as health risk assessments, health coaching, and biometric screenings.

Major employee benefits include employees becoming more engaged in their health, reduced out-of-work time, reduced out-of-pocket medical co-pay expenses, and reduced transportation expenses.

The estimated costs are \$379,086.

BUDGET IMPACT: Funds are available in the FY 2024-25 budget

RECOMMENDED ACTION REQUESTED: City Council is requested to consider a contract renewal with WFBMC in the estimated amount of \$379,086 for on-site health clinic services and authorize the appropriate City Official(s) to execute all necessary documents.

EXHIBIT A

to

AGREEMENT FOR SERVICES

Description of Services, Compensation, Documentation and Deliverables, Endorsements, and Schedule

1. Staffing. WFUBMC will make available:

- One (1) part-time Advanced Practice Provider (APP) 32 hours per week (0.8 FTE),
- One (1) part-time Registered Nurse (RN) 32 hours per week (0.8 FTE),
- One (1) Licensed Pharmacist 3 hours per week,
- One (1) part-time Behavioral Health Provider 8 hours per week, and
- Program and clinical management 200 hours per year.

2. Services. The above personnel will collectively provide the following services. Upon written notice, the Client may choose to modify services.

- ***On-Site Clinic*** as more particularly described in Exhibit A-1, attached hereto
- ***Wellness Offerings*** more particularly described in Exhibit A-1, attached hereto.
- ***Behavioral Health Services*** as more particularly described in Exhibit A-1, attached hereto.
- ***On-Site Occupational Health*** as more particularly described in Exhibit A-1, attached hereto.

3. Additional Resources. Client may request the following additional WFUBMC support services. Any agreement to provide such services shall be documented in an additional exhibit, work order, and/or amendment to this Agreement, which shall include the applicable details of such services, such as schedule and pricing.

- Monthly Standard Utilization Report (*included*)
- Marketing and Communication
 - WFUBMC will partner with Client to create a customized marketing and communications plan for services being provided
- Educational Resource
- Health Fair
 - WFUBMC will serve as a premier vendor at an existing Client-base health fair(s) up to one (1) time per year.

EXHIBIT A-1
ONSITE CLINICAL SERVICES

WFUBMC will provide Client with on-site clinic services at Client's facilities for use by participants selected by Client ("Clinic Users").

The duties of the Registered Nurse will be to:

1. Evaluate in accordance with established protocol common complaints for which there exists point of care testing, such as, but not limited to, strep throat, influenza, COVID, urinary tract infection and pregnancy;
2. Assist employees in obtaining appropriate care for needed services;
3. Provide coaching and classes on lifestyle behaviors including healthy eating, weight loss, general wellness, stress management and cessation of tobacco, alcohol and illicit drug use;
4. Conduct Health Risk Assessments, biometric screening and influenza vaccine administration, if requested (reduced cost for materials);
5. Monitor chronic conditions including diabetes, high blood pressure, high cholesterol and weight;
6. Perform health-related research and provide education upon request (new diagnosis, diagnosis of family member);
7. Provide intervention and case management with high cost claimants (requires collaboration with TPA);

The services provided by the Advanced Practice Provider will include representative services such as:

1. Basic primary care services as represented by:
 - a. Patients 2-100+ years of age
 - b. Annual and sports physicals
 - c. Sick visits for acute care needs, to include telehealth
 - d. Suture repair and removal
 - e. Wound irrigation and debridement
 - f. Treatment for acne, routine rashes, bites, poison ivy
 - g. Basic skin checks and cryofreeze application
 - h. Chronic care management, health education and coaching of common conditions such as diabetes, hypertension, hyperlipidemia, and obesity
 - i. Administer injections to protect against influenza, hepatitis A and B, pneumococcal infections, as needed
2. Provide onsite laboratory services and interpret results such as:
 - a. COVID – Rapid Antigen
 - b. COVID Lab PCR
 - c. Rapid Strep
 - d. Influenza
 - e. Urine glucose, protein or infection (e.g., UTI)
 - f. Urine pregnancy
 - g. A1C and blood glucose
 - h. Cholesterol and lipids
 - i. TB skin test
3. Onsite pharmacy dispensing of prescription medications for chronic conditions and acute needs based on predetermined formulary.

4. Wellness visits including, but not limited to, health assessment, wellness counseling on healthy eating, exercise, and weight loss.
5. Assist employees in obtaining appropriate care for needed services that cannot be provided onsite such as x-ray, extensive laboratory services, and specialist services.
6. Other Integrated Value-Add Services:
 - a. Care navigation
 - b. Referrals to existing benefits on the insurance plan
 - c. Care coordination with primary care and specialists as needed
 - d. Post-visit follow-up (internal and external appointments)
7. Behavioral Health Services
 - a) Mental and emotional behavioral health mitigation
 - b) Care coordination to a higher level of care when necessary to meet patient needs
 - c) Referrals to specialized counseling services based on patient needs
 - d) Education and training upon request *(additional fees may occur)*
8. Occupational Health Services
 - a. Pre-employment Physicals*
 - b. Workers' Compensation Initial and Follow Up Visits
 - c. Return to Work Exams
 - d. Urine/Saliva Drug Screenings (pre-employment, random, post-accident)
 - e. Breath Alcohol Testing
 - f. Pulmonary Function Testing
 - g. Fire Fighter Physicals*
 - h. Fit Testing
 - i. Hearing Tests
 - j. TB Screenings
 - k. Vaccines

*In clinic only. Additional fees will be incurred for onsite events.

City will provide the services of one certified medical assistant (the "HP CMA") to assist in support of the WFUBMC Services and to promote continuity of care. City will instruct the HP CMA to comply with all applicable rules and regulations governing the confidentiality of patient data, including, without limitation, HIPAA. City will further instruct the HP CMA to comply with all applicable policies of WFUBMC while accessing its systems, including, without limitation, its Non-Employee Access Policy and related onboarding requirements, which may include a 7-year criminal background check."

**EXHIBIT B
PRICING AND PAYMENT SCHEDULE**

This Exhibit B sets forth the compensation payable by Client to WFUBMC in accordance with the terms set forth in the Agreement. Fees, including supply and salary expenses, will be billed monthly as set forth below. Pricing shall be guaranteed for a period of one (1) year, unless otherwise noted. Subsequent years are subject to price increases as necessary to remain consistent with the effective rates of labor and supply costs.

Annual Pricing

Staffing Cost	\$297,997
---------------	-----------

- Advanced Practice Provider (0.8 FTE)
- Registered Nurse (0.8 FTE)
- Behavioral Health Provider (8 hours/week)
- Licensed Pharmacist (3 hours/week)
- Project and Clinical Management (200 hours/year)

Operational Expenses (Clinical and office supplies, OTC medications, pharmacy permit, TytoCare, marketing, pharmacy oversight, mileage)	\$13,866*
---	-----------

Management Fee, Administrative Overhead	\$67,223
---	----------

**Includes \$2,000 marketing allowance*

Total Annual Operating Cost	\$379,086
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Monthly Invoice	\$31,590
-----------------	----------

Travel Fees: Services requiring extended travel may incur additional travel expenses, such as hotels, meals, tolls, mileage and/or airfare. In such event, Atrium will notify Client and obtain written approval for such expenses prior to those expenses being incurred.

The following services will be provided at an additional cost:

1. Lab testing services shall be billed to Client at not more than 125% of the applicable Medicare rates for such testing and services. WFUBMC may increase the applicable rates upon thirty (30) days' prior written notice to Client. Notwithstanding the foregoing, all services billed to third-party payors shall be billed at standard, pre-negotiated rates. WFUBMC may modify the applicable rates upon thirty (30) days' prior written notice to Client. Notwithstanding the foregoing, all services billed to third-party payors shall be billed at standard, pre-negotiated rates.
2. Onsite COVID Lab PCR and Rapid Antigen testing will be billed to the client at a rate of \$150 per Lab PCR and \$600.00 per box of Rapid Antigen test. Rates may be subject to adjustment based on the market rate and availability of testing supplies. Rates billed to client will automatically adjust to reflect new rates.

3. On-site pharmacy medications shall be billed to Client at a direct pass through of costs incurred by Atrium Health Wake Forest Baptist.
4. Onsite Urine and Saliva Drug testing will be billed at the standard pre-negotiated rate. All services billed to third party payers shall be billed at standard, pre-negotiated rates.
5. Client will be charged on a pass through basis for new or modified Marketing Materials requested by Client (i.e. due change in services, hours of operation, etc.), in excess of the \$2,000 allowance.
6. Crisis response services will be made available to Client upon request at a rate of \$5,000. In the event Client requires a second instance of crisis response services within the same contract year, no additional charge will apply. More than two instances of crisis response services in a contract year will require additional payment of \$5,000 (with each \$5,000 payment covering up to two crises response instances per contract year).
7. Vaccines will be billed per box at the market rate. Rates may be subject to adjustment based on the market rate. Rates billed to client will automatically adjust to reflect new rates.

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of Sale of City Owned Property – 812 East Russell Avenue

FROM:

City Attorney's Office

MEETING DATE:

1/30/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Resolution - 812 E Russell Ave

PURPOSE: For City Council to authorize the sale of City owned property in accordance with North Carolina General Statute ("N.C.G.S.") § 160A-269.

BACKGROUND: The City has received the following offer to purchase City owned property:

Offeror	Property Address	Guilford County PIN	Acreage	Current Use	Offer Amount
American Property Services Co.	812 East Russell Avenue	78006218500	0.22 acre	Vacant Lot	\$14,000.00

BUDGET IMPACT: N/A

RECOMMENDED ACTION REQUESTED: City Council is requested to adopt the resolution accepting the offer of \$14,000.00 and authorizing the sale of 812 East Russell Avenue through the upset bid procedure of N.C.G.S. §160A-269.

**RESOLUTION OF THE HIGH POINT CITY COUNCIL
AUTHORIZING UPSET BID PROCESS FOR THE SALE OF REAL PROPERTY**

WHEREAS, the City of High Point owns certain property more particularly described as 812 East Russell Avenue consisting of approximately 9,583 square feet (.22 acre) in size and identified as Guilford County PIN 7800621850 (“Property”);

WHEREAS, North Carolina General Statute § 160A-269 authorizes the City to sell real property by upset bid, after receipt of an offer for the property;

WHEREAS, Section 3-1-1 of the City Code of Ordinances authorizes the sale of real property to be made by the Financial Services Director or his/her designee as directed by the City Council, subject to the approval of the City Manager, and requires reports of all sales of real property to be made to the City Council;

WHEREAS, the Financial Services Director designated the Real Estate Coordinator as the person responsible for sale of City-owned real property subject to direction from the City Council and approval by the City Manager;

WHEREAS, the City has received an offer to purchase the real property described above, in the amount of fourteen thousand dollars (\$14,000.00), submitted by American Property Services Co.; and

WHEREAS, American Property Services Co. has paid the required five percent (5%) bid deposit on the offer.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of High Point that:

Section 1. The City Council authorizes sale of the property described above through the upset bid procedure authorized by North Carolina General Statute § 160A-269.

Section 2. The City Clerk or her designee shall cause a notice of the proposed sale to be published. The notice shall describe the property and the amount of the offer, and shall state the terms under which the offer may be upset.

Section 3. Persons wishing to upset the offer that has been received shall submit a sealed bid with their offer, using the form provided by the City, to City Clerk’s Office within 10 (ten) days after the notice of sale is published. At the conclusion of the 10-day period, the City’s Real Estate Coordinator shall open the bids, if any, and the highest such bid will become the new offer. If there is more than one bid in the highest amount, the first such bid received will become the new offer.

Section 4. If a qualifying higher bid is received, the City Clerk or her designee shall cause a new notice of upset bid to be published and shall continue to do so until a 10-day period has passed without any qualifying upset bid having been received. At that time, the amount of the final high bid shall be reported to the City Council.

Section 5. A qualifying higher bid is one that: (i) is submitted by an individual or entity that is current on payment of all property taxes owed to the City and County, (ii) raises the existing offer by not less than ten percent (10%) of the first \$1,000.00 of that offer and five percent (5%) of the remainder of that offer, and (iii) is not conditioned on anything occurring prior to the purchase of the Property.

Section 6. A qualifying higher bid must also be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in the form of a cashier's check or money order made payable to the City of High Point. The City will return the deposit on any bid not accepted and will return the deposit on an offer subject to upset if a qualifying higher bid is received. The City will return the deposit of the final high bidder at closing.

Section 7. The City Council must approve the final high offer before the sale is closed, which it will do within thirty (30) days after the final upset bid period has passed, and the buyer must pay with cash at the time of closing, and will be responsible for all advertising costs incurred by the City during the upset bid process, which will be added to the purchase price at closing on the Property.

Section 8. The City reserves the right to withdraw the Property from sale at any time before the final high bid is accepted and the right to reject at any time all bids.

Section 9. If no qualifying upset bid is received after the initial public notice, the offer set forth above is hereby accepted. The appropriate City officials are authorized to execute the instruments necessary to convey the Property to American Property Services Co.

Section 10. This resolution is effective upon adoption.

Adopted by City Council this 3rd day of February, 2024.

CITY OF HIGH POINT

By: _____
Cyril Jefferson, Mayor

Attest: _____
Sandra Keeney, City Clerk