



City of High Point

Meeting Agenda

City Council

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

Cyril Jefferson, Mayor
Britt W. Moore, Mayor Pro Tempore (At Large)
Amanda Cook (At Large), Vickie M. McKiver (Ward 1), Tyrone Johnson (Ward 2),
Monica L. Peters (Ward 3), Dr. Patrick Harman (Ward 4), Tim Andrew (Ward 5), and Michael Holmes
(Ward 6),

Monday, February 3, 2025

5:30 PM

Council Chambers

ROLL CALL, MOMENT OF SILENCE, AND PLEDGE OF ALLEGIANCE

ADOPTION OF AGENDA

RECOGNITIONS AND PRESENTATIONS

PUBLIC COMMENT PERIOD

CONSENT AGENDA ITEMS

- C-1) 2025-027 Consideration of the Revised Public Meeting Live Stream Policy**
City Council is requested to consider the revised Public Meeting Live Stream Policy to incorporate updated provisions enabling staff to implement video to record and stream approved meetings for public access. (Recommended by the Transparency, Engagement, and Communication Committee)
- C-2) 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.
- C-3) 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.

- C-4)** 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.
- C-5)** 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.
- C-6)** 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.
- C-7)** 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.
- C-8)** 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.
- C-9)** 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.

- C-10)** 2025-040 **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.
- C-11)** 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.
- C-12)** 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.
- C-13)** 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.
- C-14)** 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.
- C-15)** 2025-038 **Approval of Minutes**
City Council is requested to approve the following minutes:
Regular Meeting of the High Point City Council Minutes – November 18, 2024 @ 5:30 p.m.
Special Council Retreat Meeting of the High Point City Council Minutes – November 21-22, 2024 @ 8:30 a.m.
Community Development Committee Minutes – January 7, 2025 @ 4:00 p.m.
Prosperity, Livability & Safety Committee Minutes – January 9, 2025 @ 9:00 a.m.
Finance Committee Minutes – January 9, 2025 @ 4:00 p.m.
Special Meeting of the High Point City Council Minutes – January 13, 2025 @ 4:00 p.m.
Regular Meeting of the High Point City Council Minutes – January

13, 2025 @ 5:30 p.m.

GENERAL BUSINESS AGENDA

G-1) 2025-043 National Register Nomination - Elihu, Ann, and Abigail Mendenhall House

Council is requested to provide an opportunity for public comment and provide a recommendation to the North Carolina National Register Advisory Committee that the Elihu, Ann, and Abigail Mendenhall House property located at 1106 Skeet Club Road be listed on the National Register of Historic Places as the nomination meets the required criteria.

ADJOURNMENT

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of the Revised Public Meeting Live Stream Policy

FROM:

Jeron Hollis, Managing Director

MEETING DATE:

2/3/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

1. Public Meeting Live Stream Policy
-

PURPOSE: To revise the current broadcasting policy to include video streaming.

BACKGROUND: In April of 2024, the City Council approved the installation of equipment and software to enable video broadcasting of City Council and Council committee meetings. This updated policy will be the final administrative step to allow meetings to be streamed in real time across multiple platforms including Spectrum channel 8, the City of High Point Cable Cast App and social media channels.

BUDGET IMPACT: N/A

RECOMMENDED ACTION REQUESTED: City Council is requested to consider the revised Public Meeting Live Stream Policy to incorporate updated provisions enabling staff to implement video to record and stream approved meetings for public access.

Public Meeting Live-Stream and Broadcast Policy

Policy Statement

The Public Meeting Live-Stream and Broadcast Policy ("Policy") provides information and procedures for recording, live-streaming and broadcasting public meetings convened by the City Council of High Point, N.C. This Policy reflects the City Council's commitment to transparent and accessible decision-making processes with the introduction of live video streaming, broadcasting and archiving of official City Council meetings and City Council committee meetings, noting that sessions that are closed to the public under N.C. General Statute §143-318.11 will not be recorded or live-streamed. It is desired that live-streaming and publishing the video recordings of meetings on the City of High Point website, the City of High Point's public access channel and/or another equally accessible platform will provide more flexible and convenient access to a wider audience, resulting in greater community awareness and confidence in the integrity and accountability of decision-making processes.

Scope

This policy applies to:

- Official City Council meetings, City Council committee meetings and any other public forums or meetings as authorized by the City Council
- Members of the public and attendees at applicable meetings under this policy

The policy does not extend to any closed sessions that are closed to the public under N.C. General Statute §143-318.11.

Definitions

- Chair: the person presiding over the meeting
- Council: the High Point City Council
- City Manager: the City of High Point City Manager
- Regular Meeting: a regularly scheduled meeting of the Council
- Special Meeting: a Council meeting held any time outside of the Council's regular meeting schedule
- Closed Session: City Council sessions closed to the public under N.C. General Statute § 143-318.11
- Any other public forums or meetings: events held in the Council chambers
- Live-stream: Video and audio broadcast of official City Council and Council committee meetings over the internet
- Broadcasting: Video and audio broadcast of official City Council and Council committee meetings to our public access channel, HPTV Channel 8.

Procedures

Meetings to be Live-Streamed and Recorded

Official City Council meetings, City Council committee meetings and any other public forums or meetings as authorized by the City Council. Any other public forums or meetings held in the Council chamber or other appropriate locations as authorized by the city manager may also be streamed and broadcasted live.

There may be situations where a live-stream or broadcast may not be available due to technical difficulties. While every effort will be made to ensure the live-streaming, broadcast and website are functioning smoothly, the Council and City of High Point staff take no responsibility for and cannot be held liable for the live-streaming or archived recordings being temporarily unavailable due to technical issues beyond its control. Technical issues may include but are not limited to the availability of the internet connection, device failure or malfunction, unavailability of social media platforms or power outages.

Access to Archived Recordings

Regular and Special Council meetings that are streamed live on the internet will remain on the City of High Point's authorized platforms, where the public can view them free of charge for a minimum of 365 days after publication.

Notice to Meeting Attendees and Viewers

By attending a City Council meeting, those in attendance consent to being recorded.

The City of High Point has established processes for receiving public comments, which do not include social media platforms. As such, questions and comments posted to social media during a live broadcast will not be responded to by any City of High Point Council member or staff.

Termination of Live-Stream and Corrections

City Council meetings offer specific opportunities for public participation during the public comment period. Occasionally, comments may be regarded as offensive, defamatory, inaccurate, or contrary to law. By live-streaming and publishing recordings of meetings, the potential audience is significantly increased, which also increases the likelihood of such occurrences. Accordingly:

The City of High Point does not accept responsibility for inaccurate, incorrect, or defamatory comments made by individuals during meetings and does not warrant nor represent that the material or statements made during the streamed meetings are complete, reliable, accurate or free from error.

During a meeting, the Chair has the discretion and authority to correct inaccuracies and/or direct the termination or interruption of live-streaming if they believe it is advisable. Such direction will only be given in exceptional circumstances.

The opinions or statements made during the meeting are those of the individuals and not necessarily the opinions or statements of the City of High Point. The City of High Point does not necessarily endorse or support views, opinions, standards or information in the live streaming/recording of the Council meetings.

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:

2/3/2025

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:

2/3/2025

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:

2/3/2025

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:

2/3/2025

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: _____

Kersey Valley Road Realignment
w / Aerial
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:

2/3/2025

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
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 # 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.
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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



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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.)

Woodbrook Dr

W Parkway Ave

W Parkway Ave

Creek/
Ravine

MH 1

MH 2

MH 3

905

909

903

906

300

306



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:

2/3/2025

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:

2/3/2025

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

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

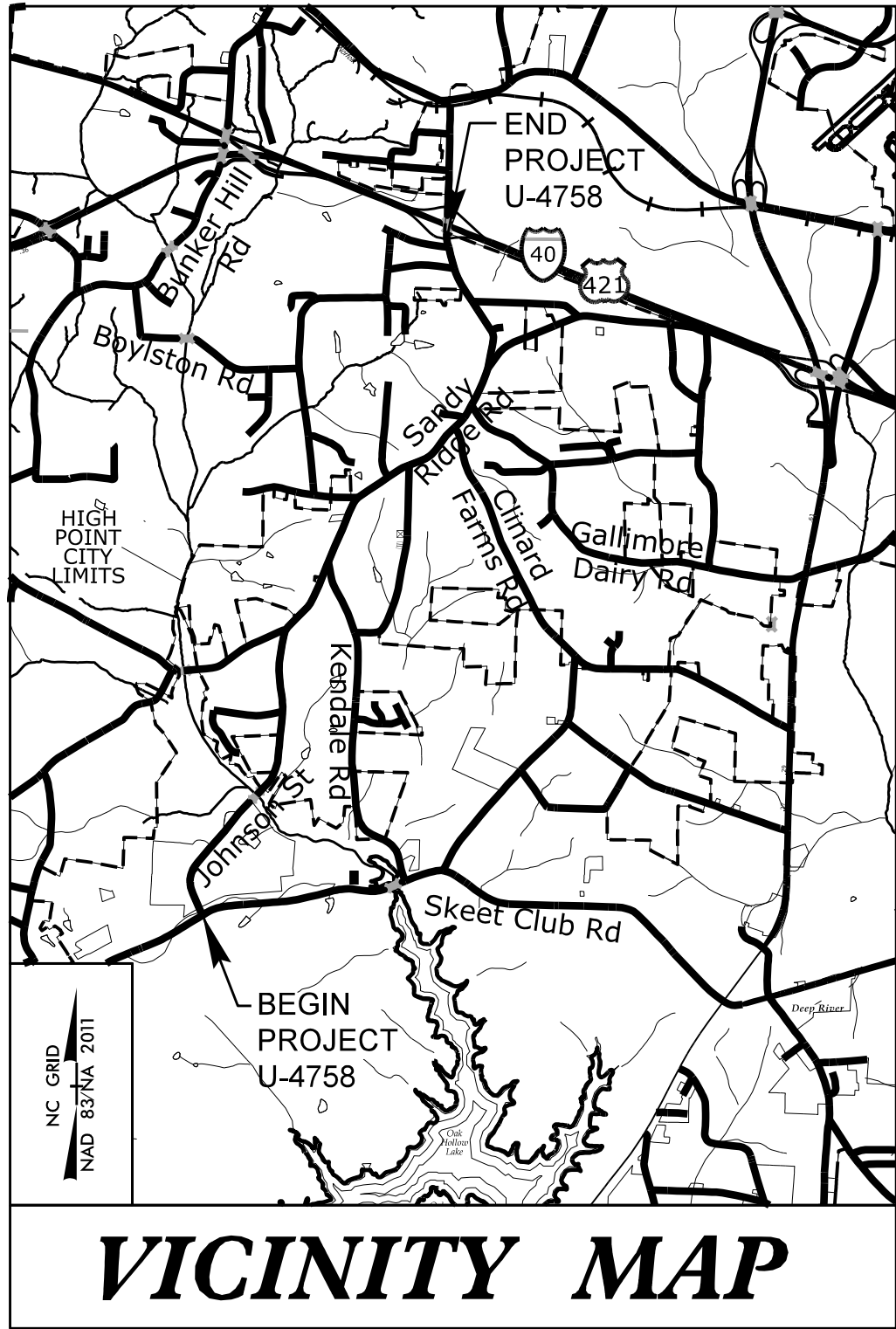
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

EXHIBIT A
AGREEMENT PLANS

COST BREAKDOWN LEGEND

STATE COST	
CITY OF HIGH POINT	

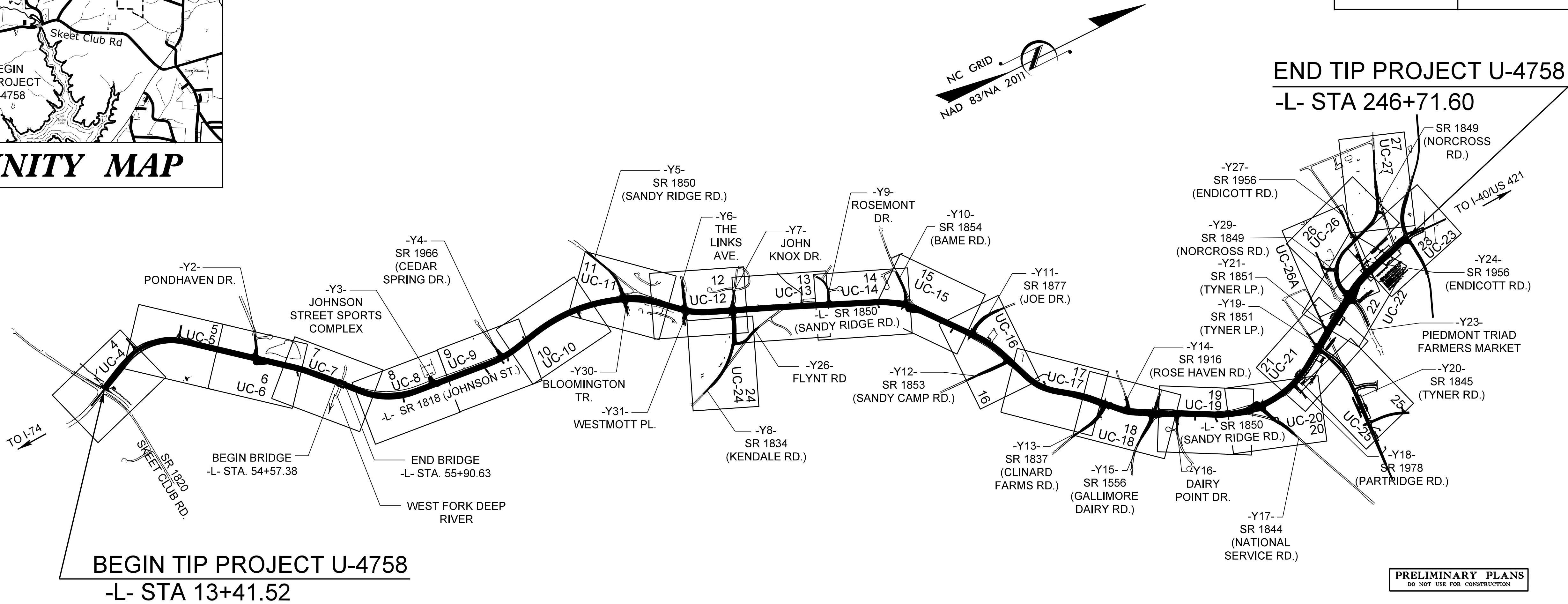


VICINITY MAP

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

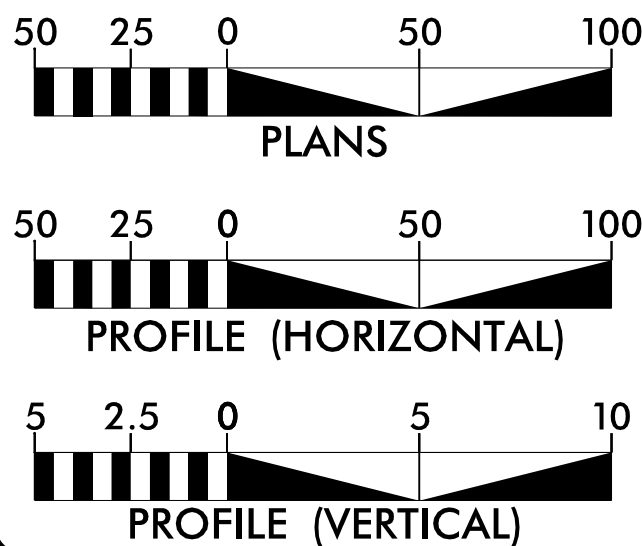


PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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

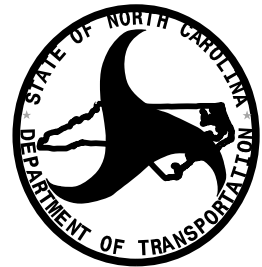
PREPARED IN THE OFFICE OF:

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

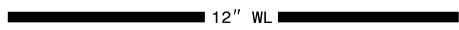
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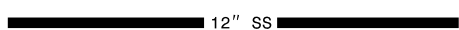
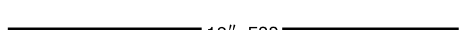
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

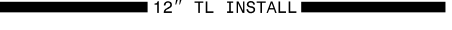
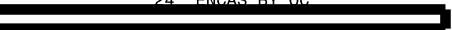
PROPOSED WATER SYMBOLS

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.
U-4758

SHEET NO.
UC-3

DESIGNED BY: DMP
DRAWN BY: DMP
CHECKED BY: DMP
APPROVED BY:
REVISED:
NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION
UTILITIES ENGINEERING SEC.
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NORTH CAROLINA
PROFESSIONAL
ENGINEER
JAMES S. MOORE
16882

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

UTILITY CONSTRUCTION PLANS PREPARED BY:
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UTILITY CONSTRUCTION

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

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

CONSTRUCTION SEQUENCE FOR 16" WATER MAIN LOCATED ALONG JOHNSON ST AND SANDY RIDGE RD:
 THE CONTRACTOR SHALL FOLLOW THIS SEQUENCE OF CONSTRUCTION FOR ALL WORK ASSOCIATED WITH IMPACTS OR RELOCATIONS OF THE EXISTING 16" MAIN ALONG THE ENTIRE PROJECT ROUTE. THE CONTRACTOR SHALL COORDINATE THESE CONSTRUCTION SEQUENCE REQUIREMENTS WITH NCDOT AND THE CITY OF HIGH POINT.
 NOTE: THE EXISTING SANDY CAMP RD GROUND STORAGE WATER TANK IS FILLED FROM LINES THAT GO DOWN SANDY CAMP RD TO SANDY RIDGE RD FROM THE 16" MAIN THAT RUNS ALONG SANDY RIDGE RD AND JOHNSON ST. THE TANK CAN BE FILLED FROM THE EASTERN OR WESTERN SUPPLY. THE EASTERN SUPPLY COMES DOWN TYNER RD. THE WESTERN SUPPLY COMES UP JOHNSON ST. FROM SKEET CLUB RD. THE WATER TANK IS REFILLED NIGHTLY FROM 6:30 PM TO 4:30 AM AT A RATE OF APPROXIMATELY 1190 GPM. DURING THE DAY FROM 6:30 AM TO 6:30 PM, THE BOOSTER PUMP AT THE TANK PUMPS APPROXIMATELY 990 GPM TO HELP SUPPLEMENT PRESSURE TO THE PUMPS SERVICE AREA.
 NO OUTAGES FOR WATER LINE RELOCATION THIS INS SHALL BE CONDUCTED BETWEEN 6:30 PM AND 4:30 AM EVERY EVENING AND EARLY MORNING DAILY.

PHASE 1 CONSTRUCTION SEQUENCE WATER LINE MODIFICATION CAN BE CONDUCTED BETWEEN 7:00 AM TO 4:30 PM WORK DAYS ALONG JOHNSON ST FROM SKEET CLUB RD TO SANDY CAMP RD WATERLINE WORK. FILL WATER TANK FROM THE EASTERN SUPPLY LINE.

1. CONSTRUCT ALL WATER IMPROVEMENTS SOUTH OF BLOOMFIELD TR (UC-11) TO SKEET CLUB RD. NOTE: EXIST WV SOUTH OF BALLFIELD CAN BE USED TO PHASE THIS AREA IN HALF.
 - A. INSTALL LINE STOP AND WV SOUTH OF BLOOMFIELD TRAIL ON JOHNSON ST.
 1. ENSURE WATER IS FED WEST OF JOHNSON ST DOWN SANDY RIDGE RD TO LEGACY AT SANDY RIDGE SUBDIVISION AND THE WESLEYAN ATHLETIC COMPLEX FROM THE NORTH
 2. ENSURE WATER IS FED EAST OF JOHNSON ST DOWN BLOOMFIELD TRAIL TO THE WESTMORELAND PLACE SUBDIVISION
 3. ENSURE WATER VALVE AT OWLS VIEW LAND IS CLOSED AND WATER IS SUPPLIED TO WESTMORELAND PLACE SUBDIVISION FROM BLOOMFIELD TRAIL
 - B. ENSURE WATER IS LOOPED AND FED INTO THE MEADOW CREEK SUBDIVISION FROM SKEET CLUB RD
 - C. COORDINATE ANY FUTURE TIE-INS WITH BECKETT TOWNES (UNDER CONSTRUCTION)
 - D. COORDINATE WITH COHP PARKS AND REC REGARDING WATER SHUT-OFF AT JOHNSON STREET ATHLETIC COMPLEX
 - E. MINIMAL IMPACTS TO RESIDENTS REGARDING WATER SHUTOFF
2. CONSTRUCT ALL WATER IMPROVEMENTS FROM THE BFV SOUTH OF WESTMOTT PL (AKA THE LINKS AVE) TO THE INTERSECTION OF SANDY RIDGE RD AND BLOOMFIELD TR.
 - A. NOTE: BLOOMFIELD TR CAN BE SHUT OFF AT THE INTERSECTION OF STREAM EDGE PL AND THE VALVE AT SANDY RIDGE RD. WESTMORELAND PLACE SUBD WILL BE FED FROM THE WATER IN OWLS VIEW LANE.
 - B. CONNECT TO THE 12" WATERLINE AT BLOOMFIELD TR AND INSTALL 12" AND 16" LINES WITH VALVES TO SANDY RIDGE RD. PRESSURE TEST AND CHLORINATE. THIS WILL LIKELY BE AN OPEN CUT INSTALLATION.
 - C. TIE TO AND PLUG THE 12" WATERLINE ON SANDY RIDGE ROAD, THIS WILL REQUIRE A SHUTDOWN FOR WESLEYAN ATHLETIC COMPLEX AND LEGACY AT SANDY RIDGE SUBD (APPROX. 106 RESIDENTIAL HOUSES).
 - D. TIE TO AND PLUG 16" WATERLINES RUNNING NORTH/SOUTH ALONG JOHNSON ST
 - E. RUN TEMP. SERVICE TO AMBULANCE (2011 SANDY RIDGE ROAD) IF LONGTERM SHUTDOWN IS REQUIRED.
3. CONSTRUCT ALL WATER IMPROVEMENTS FROM JUST SOUTH OF JOHN KNOX DRIVE (PRIVATE) AKA KENDALE DRIVE NEW ALIGNMENT TO THE WATER VALVE JUST SOUTH OF WESTMONT PLACE (EXST BFV)
 - A. A JUMPER HOSE MAY BE REQUIRED TO FEED THE PRIVATE PORTION OF THE LANDING AT WESTMONT S/D. RECOMMEND CONNECTING TO THE FH ON KENDALE ROAD AND RUNNING IT BETWEEN UNITS 2183/2175 (~350') IF UNEXPECTED CIRCUMSTANCES ARE ENCOUNTERED.
4. CONSTRUCT ALL WATER IMPROVEMENTS ALONG KENDALE ROAD
 - A. ENSURE ALDERBROOK SUBDIVISION IS LOOPED AND FED THRU LILLIEFIELD SUBDIVISION FROM BARROW RD
 - B. SHUTOFF IMPACTS TO 4515 AND 4517 KENDALE RD, LIKELY 1-3 DAYS DURING DAYTIME.
5. CONSTRUCT ALL WATER IMPROVEMENTS FROM JUST NORTH OF ROSEMONT DRIVE TO JUST SOUTH OF JOHN KNOX DRIVE (PRIVATE)
 - A. INSTALL LINE STOP AND NEW WV BETWEEN JOHN KNOX DRIVE AND THE LINKS DRIVE
 - B. INSTALL LINE STOP AND NEW WV JUST NORTH OF ROSEMONT DRIVE
 - C. ENSURE THAT WATER IS BEING FED INTO RIVER LANDING FROM THE LINKS DRIVE. CLOSE WV FEEDING INTO JOHN KNOX DR.
 - D. CLOSE VALVE FEEDING INTO ROSEMONT DR AND ENSURE SADDLEBROOK SUBDIVISION IS BEING FED FROM BAME RD.
 - E. CONSTRUCT IMPROVEMENTS
 - F. ISSUE FOR WATER SERVICE AT COMMERCIAL BUILDING SOUTH OF ROSEMONT DRIVE ON THE WEST SIDE (2109 SANDY RIDGE RD). POSSIBLE IMPACTS COULD BE FOR MULTIPLE DAYS, ADD A 16" LINE STOP AND/OR 16" TO REDUCE THE IMPACTS WHEN PRESSURIZED FROM THE NORTH.
6. CONSTRUCT ALL WATER IMPROVEMENTS ALONG BAME ROAD AND SANDY RIDGE RD FROM JUST NORTH OF JOE DRIVE TO ROSEMONT DRIVE
 - A. INSTALL LINE STOP ON THE EAST SIDE OF 8610 BAME RD WATER SERVICE
 - B. SHUT THE NORTHWEST WATER SYSTEM VALVE IN SANDY RIDGE RD
 - C. SHUT THE EXISTING BUTTERFLY VALVE JUST NORTH OF JOE DRIVE. THE OPEN/CLOSE ON WHEEL IS POSSIBLY REVERSED.
 - D. INSTALL LINE STOP AND NEW 16" WV NORTH OF THE FIRE STATION (2127) TO KEEP THEIR WATER SERVICE FLOWING
 - E. CONSTRUCT THE LOWERING OF THE WATER ON BAME RD
 - F. ENSURE THAT THE 16" WATER IS BEING FED THRU THE SADDLEBROOK SUBDIVISION 8" WATER LINE. THIS WILL ALLOW FLOWS TO NORTHBOROUGH SUBD, DEERFIELD CROSSING SUBD, GRAYS LANDING APTS IN KERNSERVILLE AT I-40, AND THE NEW INDUSTRIAL PIEDMONT COMMERCE DEVELOPMENTS. IT IS LIKELY POSSIBLE THAT WATER CAN ALSO BE SUPPLIED TO THESE DEVELOPMENTS FROM THE NEW GALLIMORE DAIRY RD EXTENSION PROJECT.
 - G. REDUCED FIRE FLOWS, MINIMAL IMPACTS TO WATER SERVICE
7. CONSTRUCT ALL WATER IMPROVEMENTS FROM SANDY CAMP RD TO JUST NORTH OF JOE DR
 - A. SHUTOFF WV NORTH OF JOE DR (THE OPEN/CLOSE ON WHEEL IS POSSIBLY REVERSED) AND SHUTOFF WV ON THE WEST SIDE OF SANDY CAMP RD IN FRONT OF THE WATER TANK.
 - B. IMPACTS TO NCDOT MAINT YARD (DEPT OF CORRECTIONS) WILL LIKELY BE 1-2 DAYS DURING DAYTIME HOURS TO CONSTRUCT THE WATER IMPROVEMENTS ALONG SANDY CAMP RD

PHASE 2, CONSTRUCTION, SEQUENCE WATER LINE MODIFICATION CAN BE CONDUCTED BETWEEN 7:00 AM TO 4:30 PM, WORK DAYS, ALONG SANDY RIDGE RD. FROM THE BOOSTER PUMP STATION ON SANDY CAMP RD. TO THE FARMERS MARKET FILL WATER TANK FROM THE WESTERN SUPPLY LINE.

8. CONSTRUCT ALL WATER IMPROVEMENTS FROM GALLIMORE DAIRY RD TO SANDY CAMP RD
 - A. IMPACTS TO 2406 SANDY RIDGE RD WATER SERVICE (RESIDENTIAL) CAN BE MITIGATED BY CLOSING THE EXISTING VALVE NORTH OF CLINARD FARMS ROAD AND LEAVING THE WATERLINE PRESSURIZED FROM SANDY RIDGE RD TO THE PROPOSED LINE STOP AND WATER VALVE SOUTH OF TYNER RD SINCE NO SHUTDOWN IS ANTICIPATED FOR THIS AREA
 - B. INSTALL LINE STOP AND WATER VALVE ON THE SANDY CAMP RD EASTERN WATERLINE
 - C. CONSTRUCT WATER IMPROVEMENTS BETWEEN SANDY CAMP RD AND CLINARD FARMS RD
 - D. INSTALL LINE STOP AND WATER VALVE JUST NORTH OF GALLIMORE DAIRY RD AND JUST NORTH OF THE EXISTING FIRE HYDRANT
 - E. CONSTRUCT WATER IMPROVEMENTS BETWEEN CLINARD FARMS RD AND GALLIMORE DAIRY RD.
 - F. MINIMAL IMPACTS TO WATER SERVICE
9. CONSTRUCT ALL WATER IMPROVEMENTS FROM TYNER RD TO JUST SOUTH OF DAIRY POINT DR
 - A. CLOSE THE EXISTING 2 WATER VALVES AT TYNER RD. A JUMPER HOSE WILL BE REQUIRED (~85') TO PROVIDE WATER SERVICE TO THE NORTHERN PORTION OF SANDY RIDGE RD. THE JUMPER HOSE SHOULD BE RIGGED FROM FH TO FY AT THE OLD TYNER RD INTERSECTION.
 - B. INSTALL LINE STOP AND INSTALL WATER VALVE NORTH OF GALLIMORE DAIRY RD
 - C. INSTALL JUMPER HOSE FROM THE FH NORTH OF GALLIMORE DAIRY RD TO THE FH ON DEVANE CT, APPROX 200' AND ENERGIZE IT. CLOSE THE VALVE AT DAIRY POINT DR NEAR SANDY RIDGE RD. ANOTHER OPTION WOULD BE TO INSTALL AN ADDITIONAL LINE STOP NORTH OF DAIRY POINT AND ENSURE THAT FRAZIER DOWNS IS FED FROM THE SOUTH.
10. CONSTRUCT ALL WATER IMPROVEMENTS ALONG TYNER ROAD
 - A. ENSURE WATER IS FED TO FARMERS MARKET FROM SANDY RIDGE RD
 - B. WILL REQUIRE COORDINATION WITH FARMERS MARKET FOR TURNING OF INTERNAL VALVES
 - C. UNKNOWN TAP LOCATION OF 2914 OPEN BAY BUILDING
11. CONSTRUCT ALL WATER IMPROVEMENTS NORTH OF TYNER RD
 - A. ENSURE FARMERS MARKET WATER IS LOOPED AND FED FROM TYNER RD CONNECTION
 - B. COORDINATE WATER SHUTOFF WITH CHEERWINE AS REQUIRED
 - C. TYNER LOOP (WEST) WILL BE FED FROM THE SOUTH (HOME DETECTIVE BUILDING)
 - D. MINIMAL IMPACTS DUE TO FEW IMPROVEMENTS MADE WITHIN THIS AREA

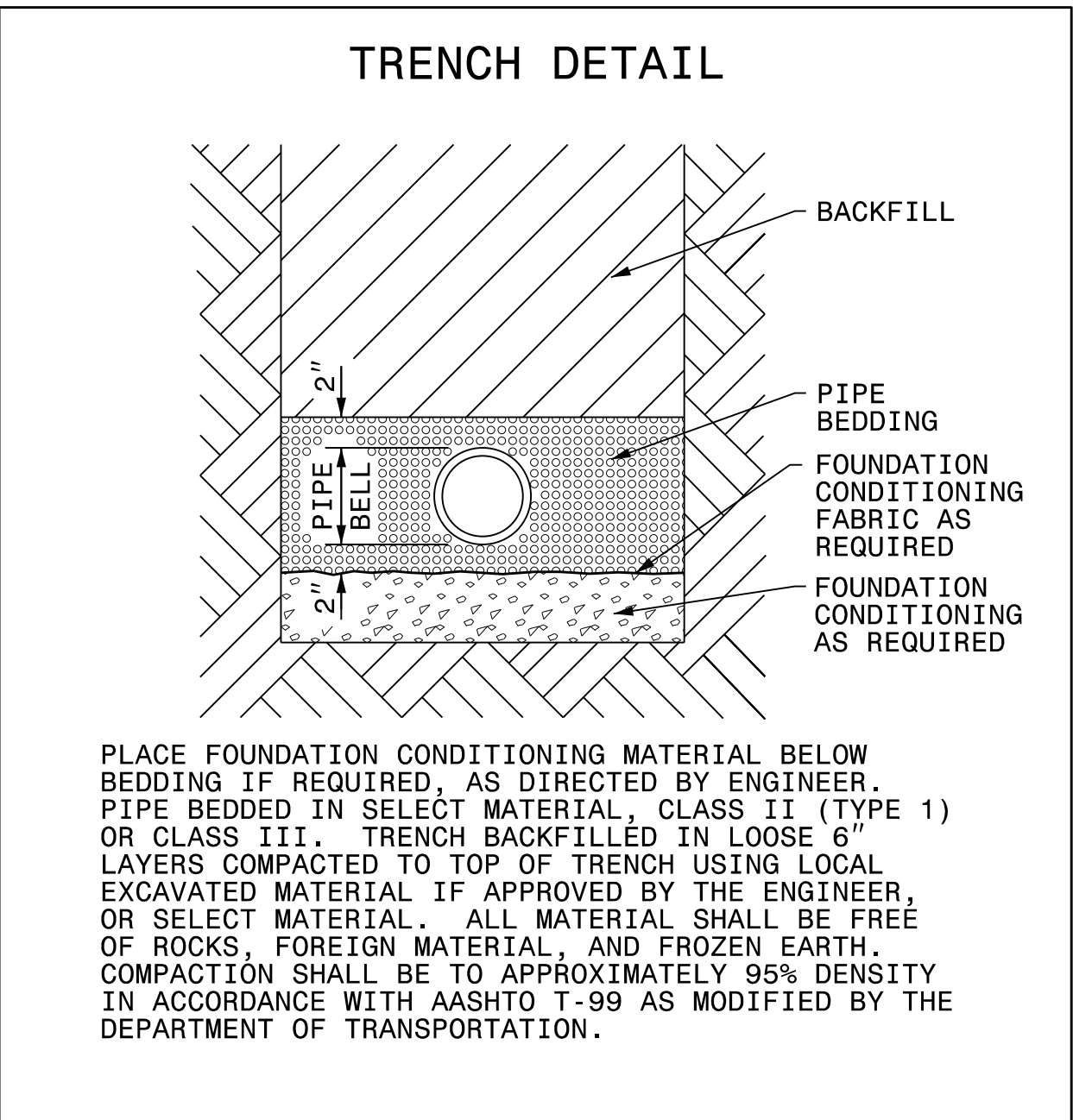
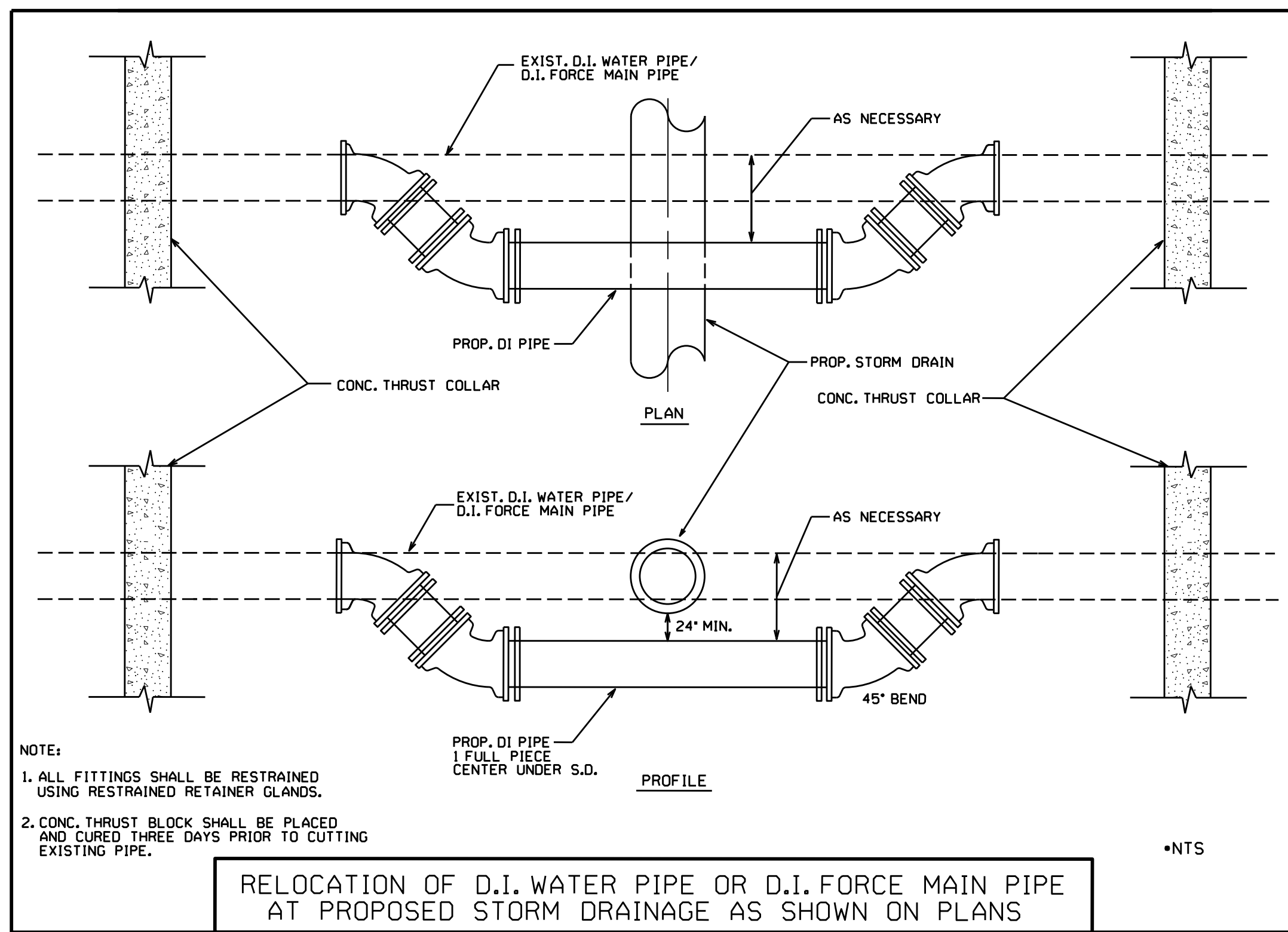
UTILITY CONSTRUCTION PLANS PREPARED BY

DAVIS • MARTIN • POWELL
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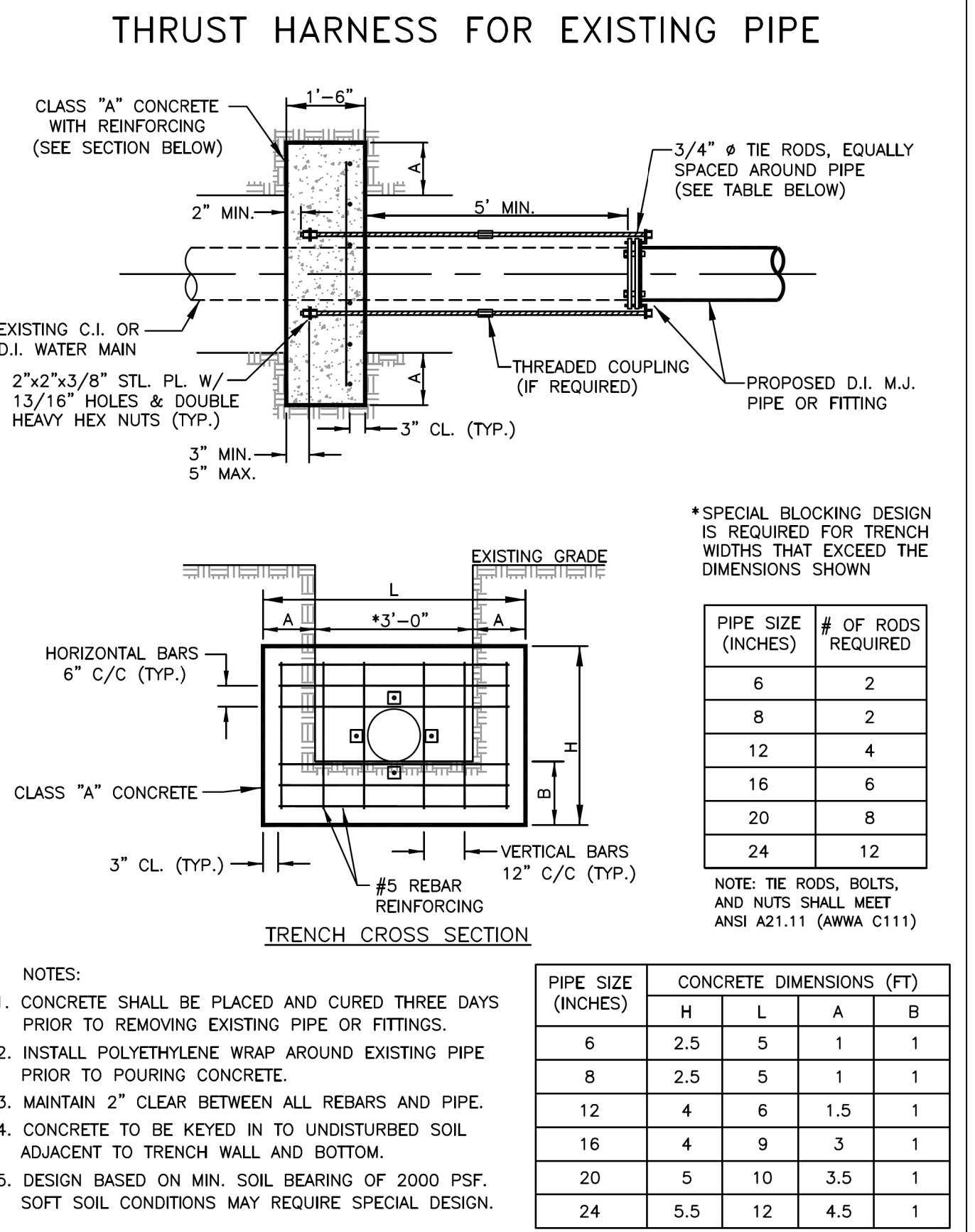
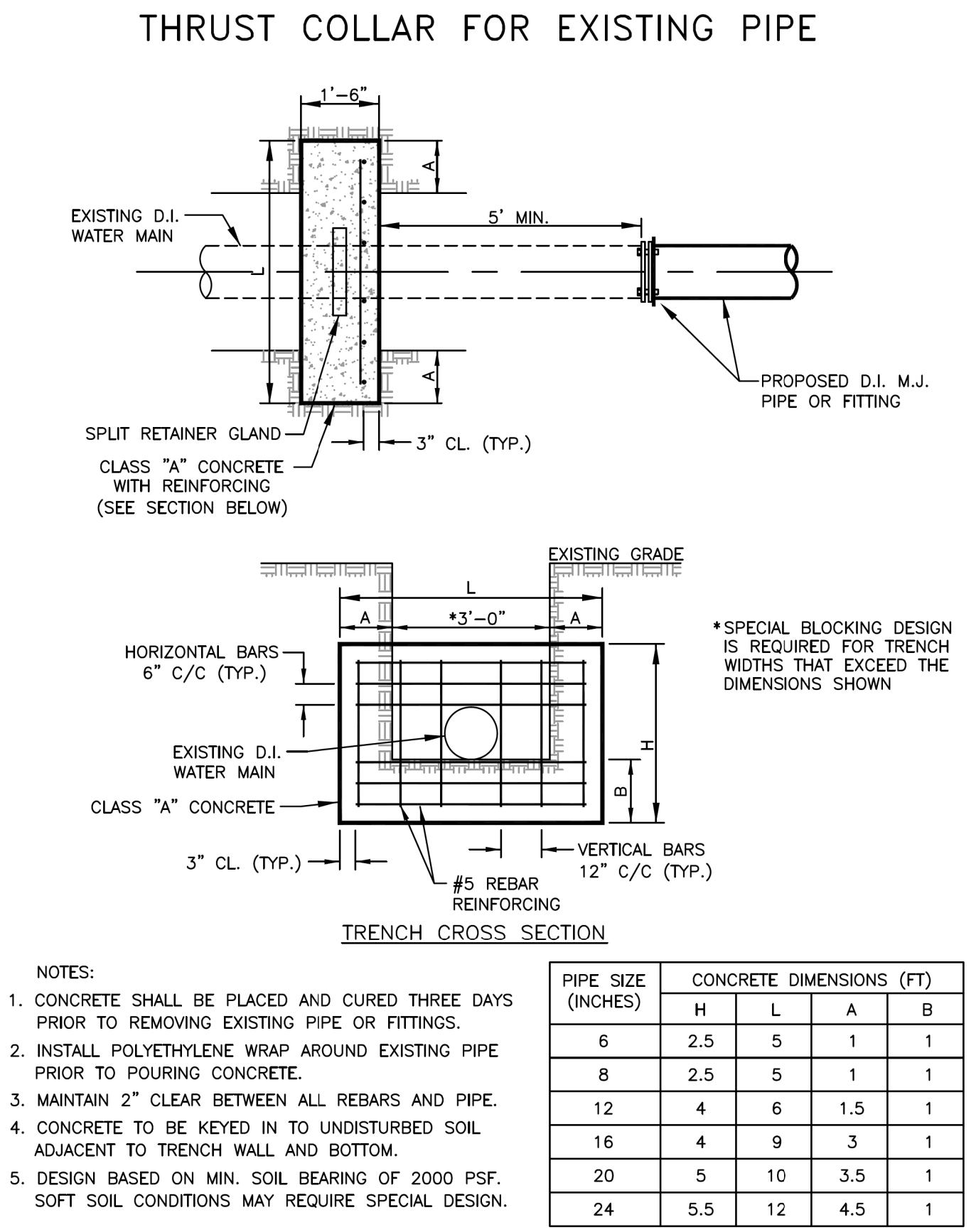
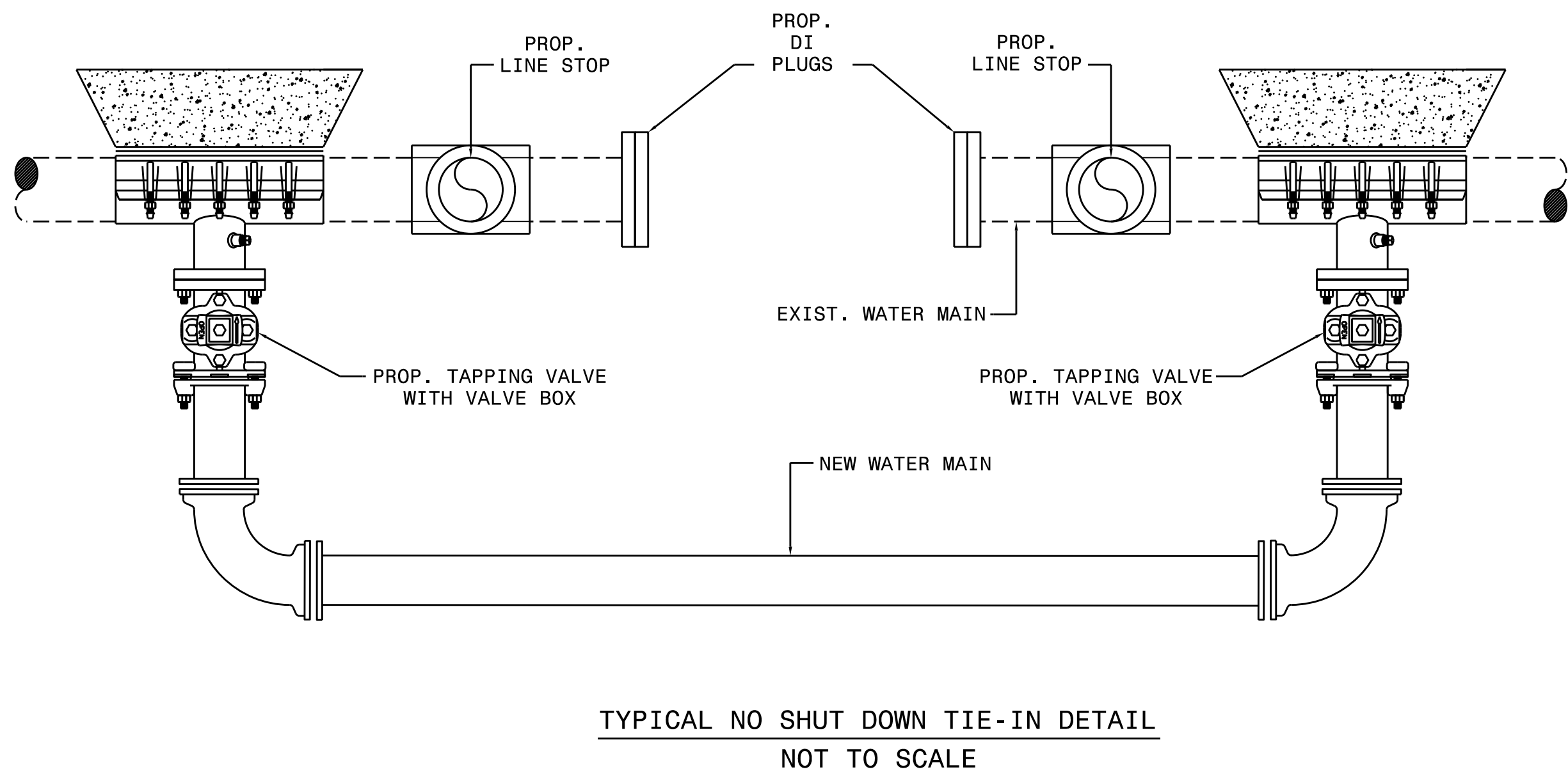
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PHONE: (336)886-4821 FAX: (336)886-4458
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PROJECT TYPICAL DETAILS



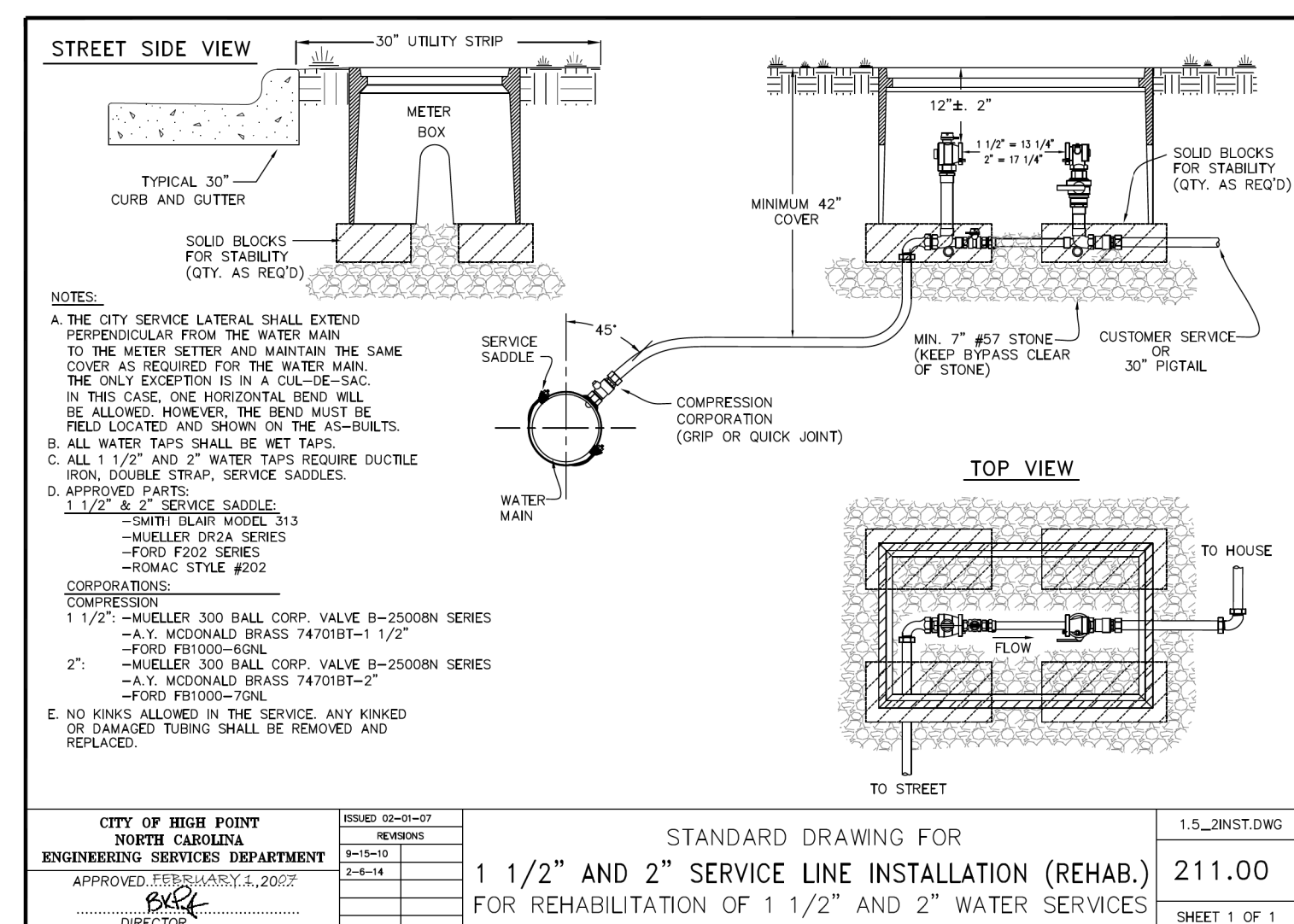
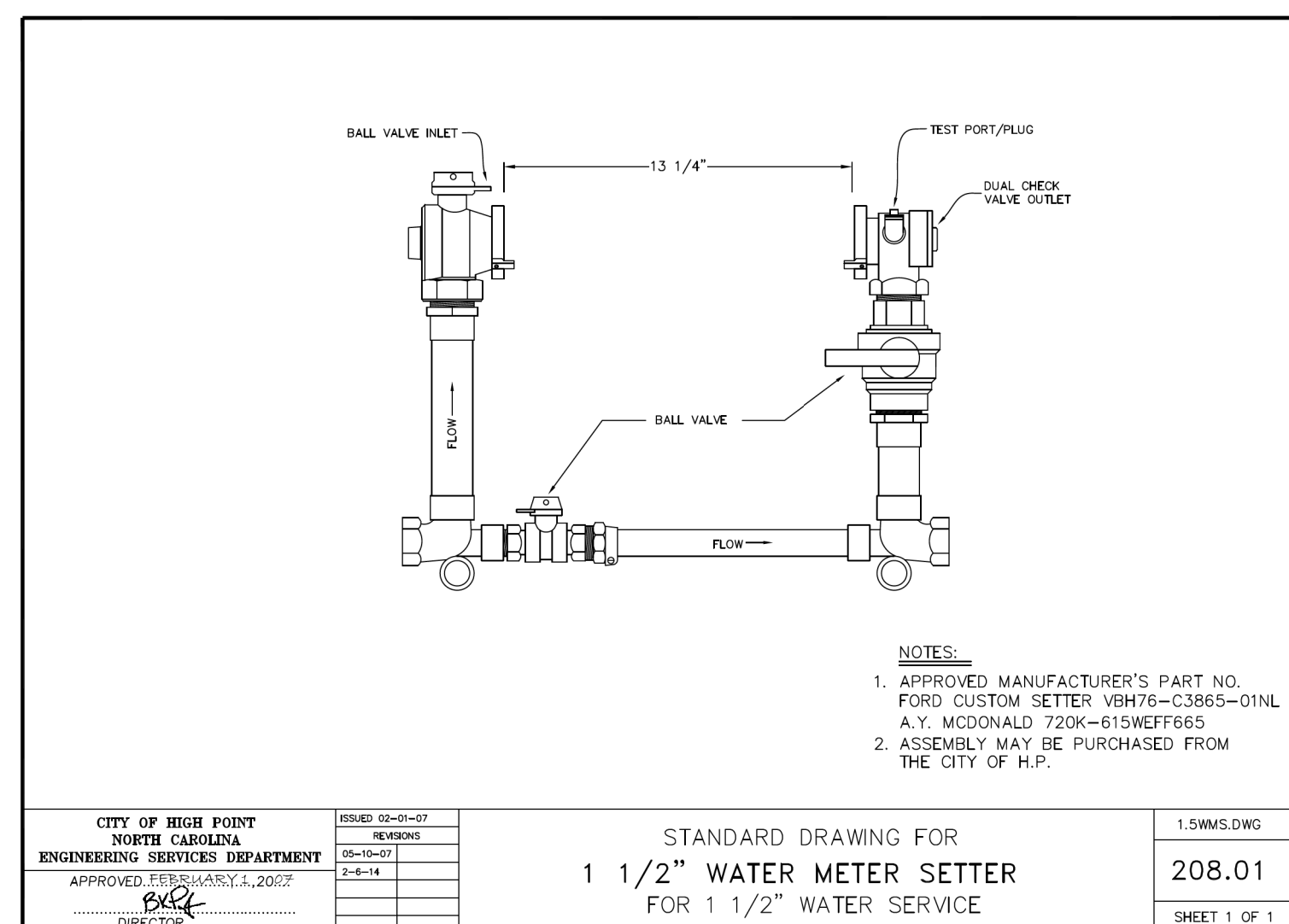
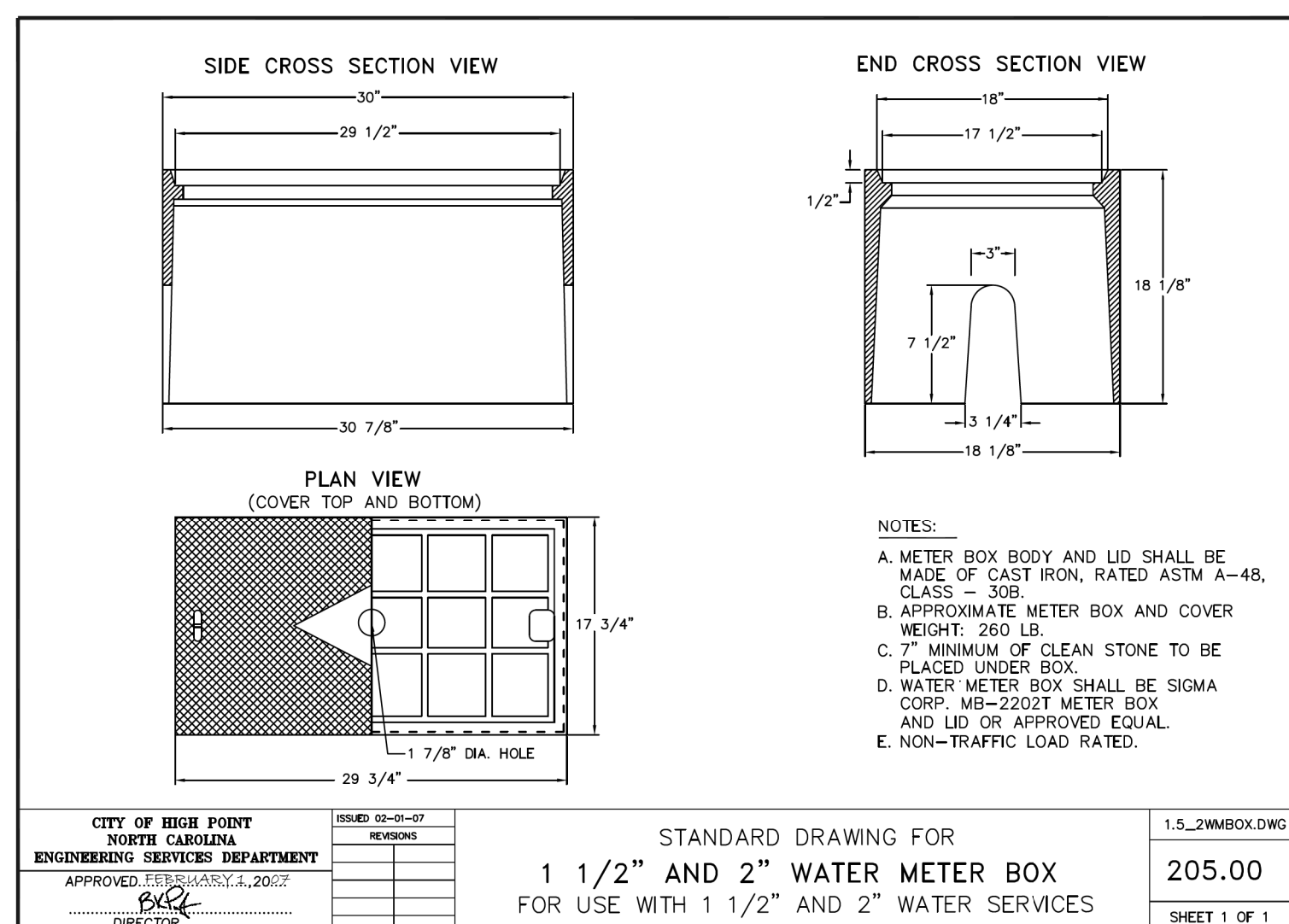
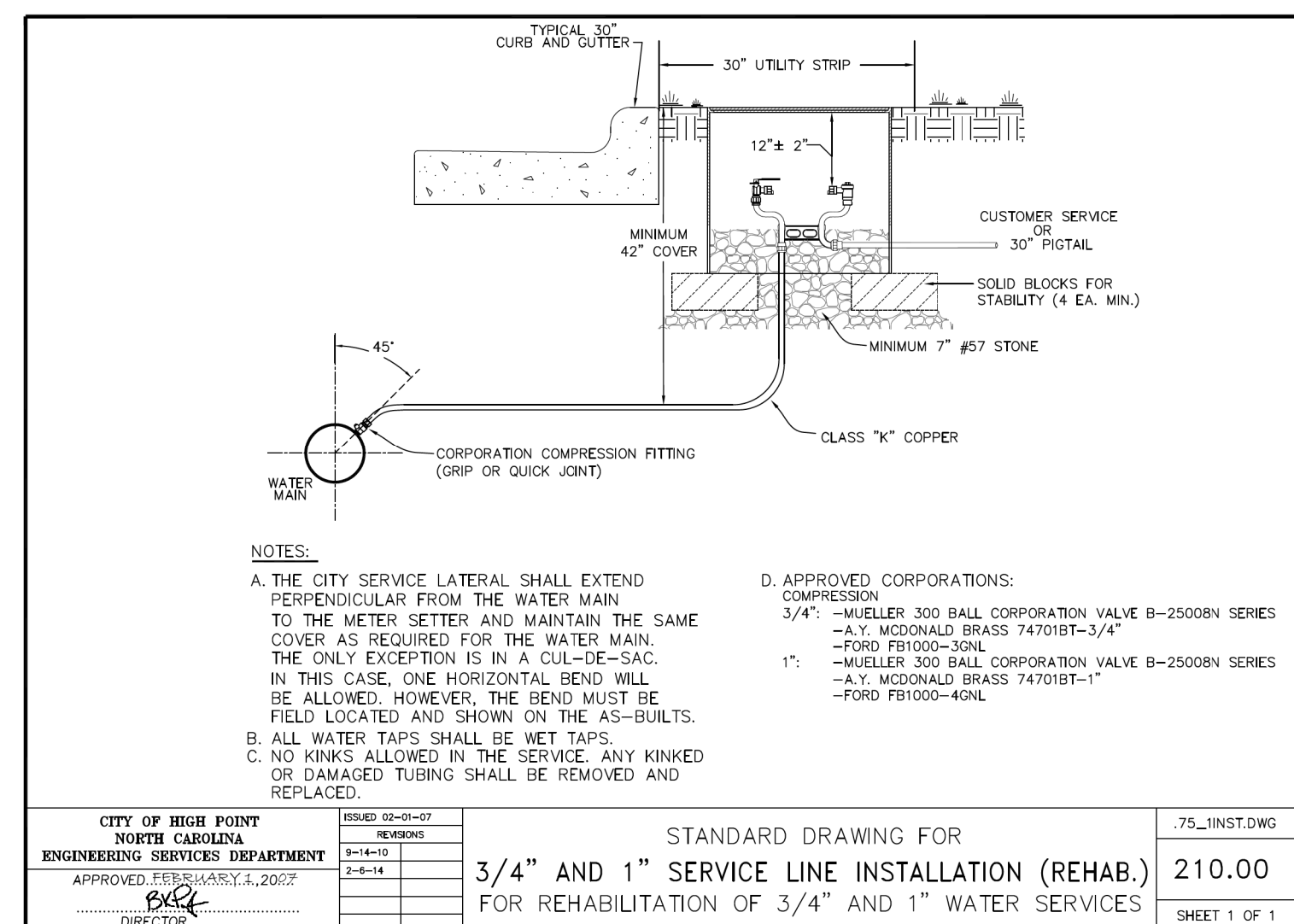
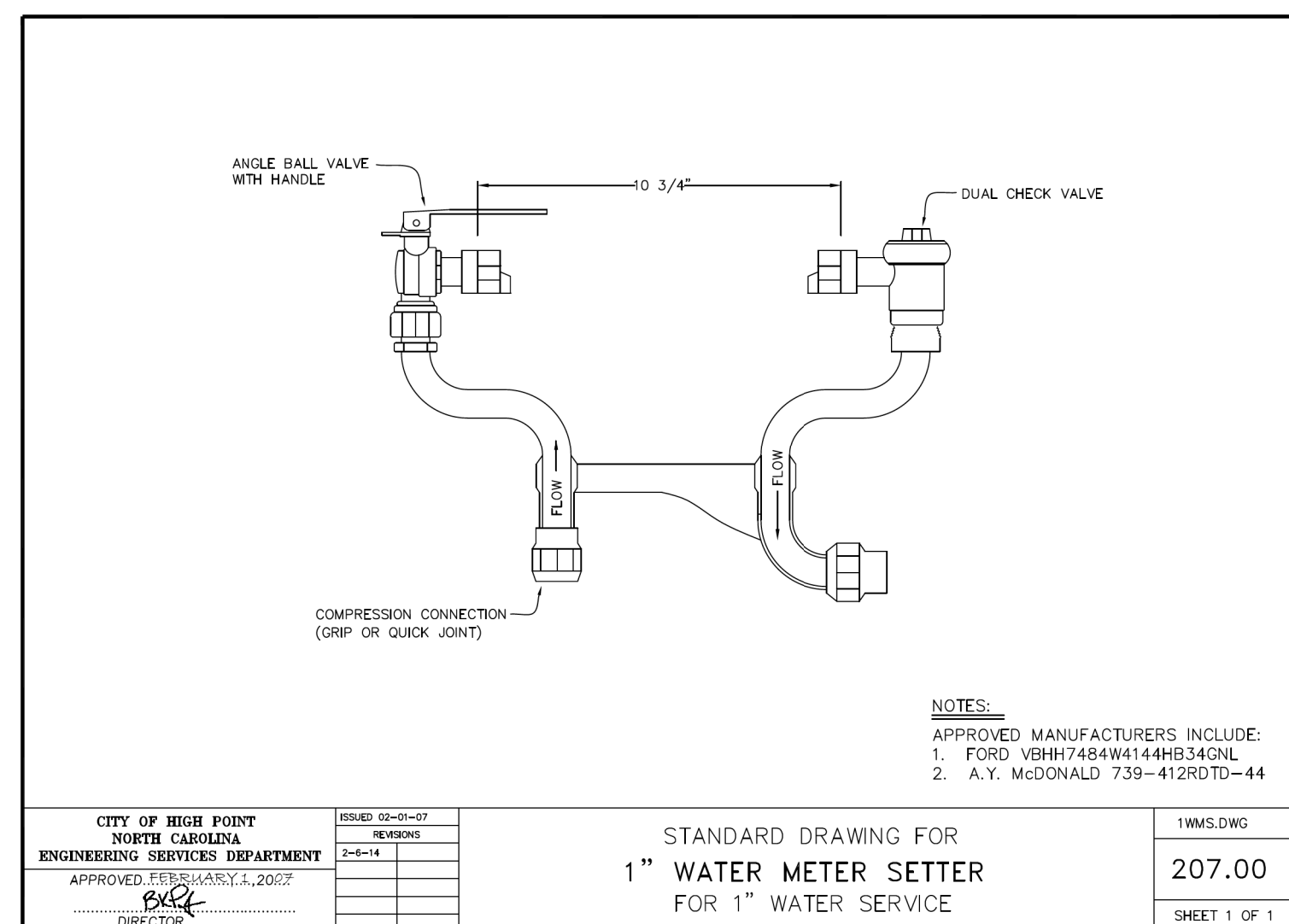
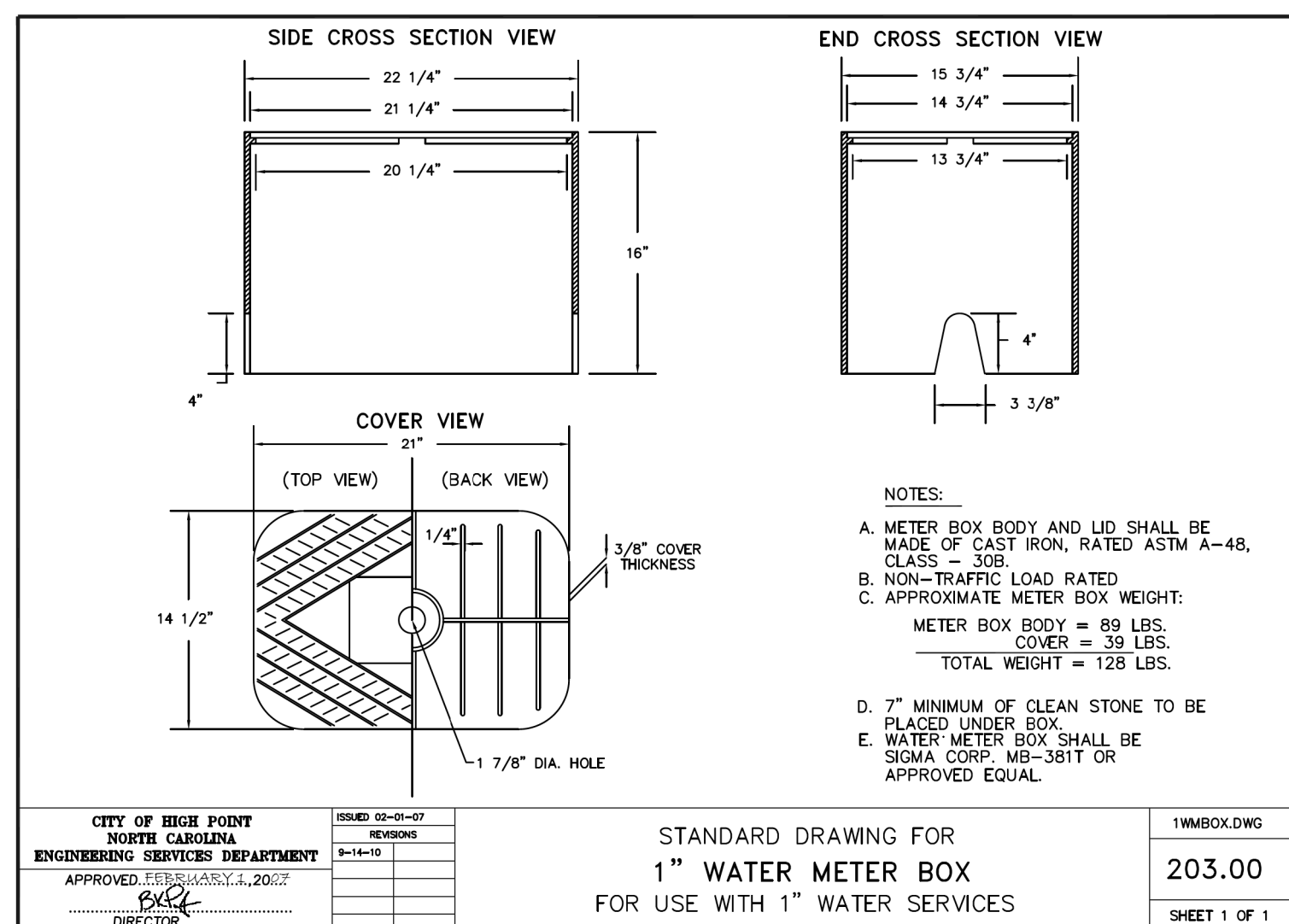
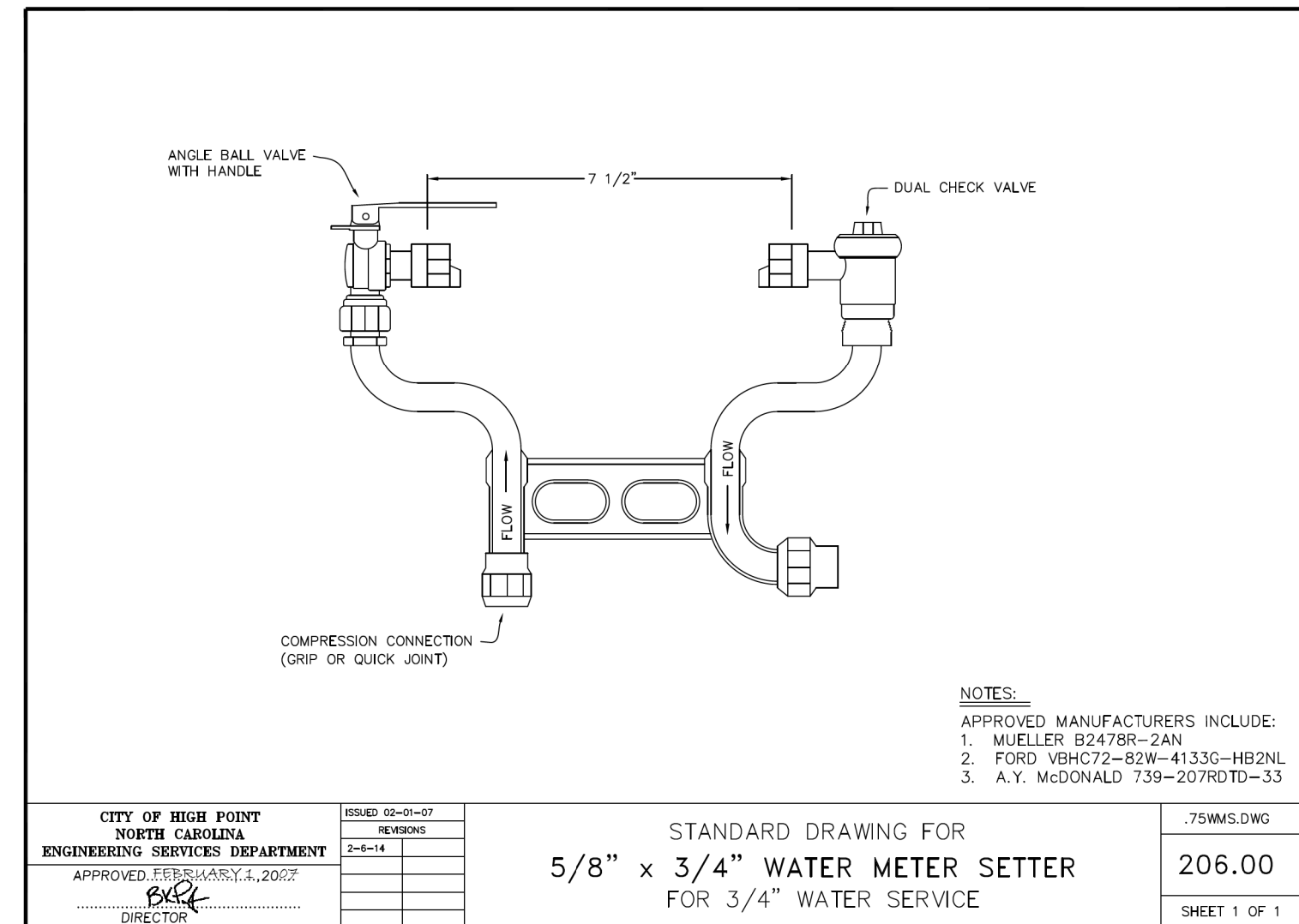
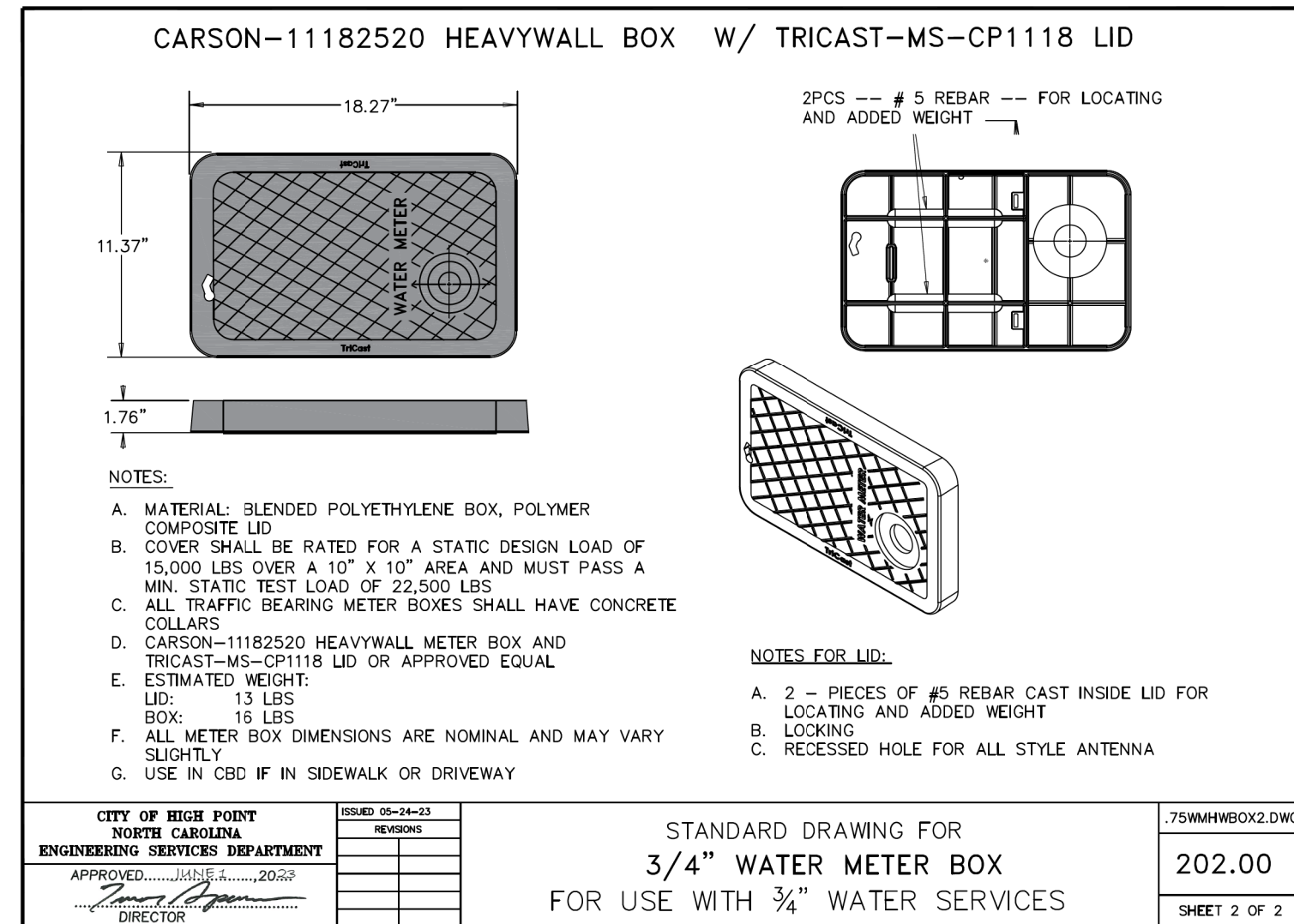
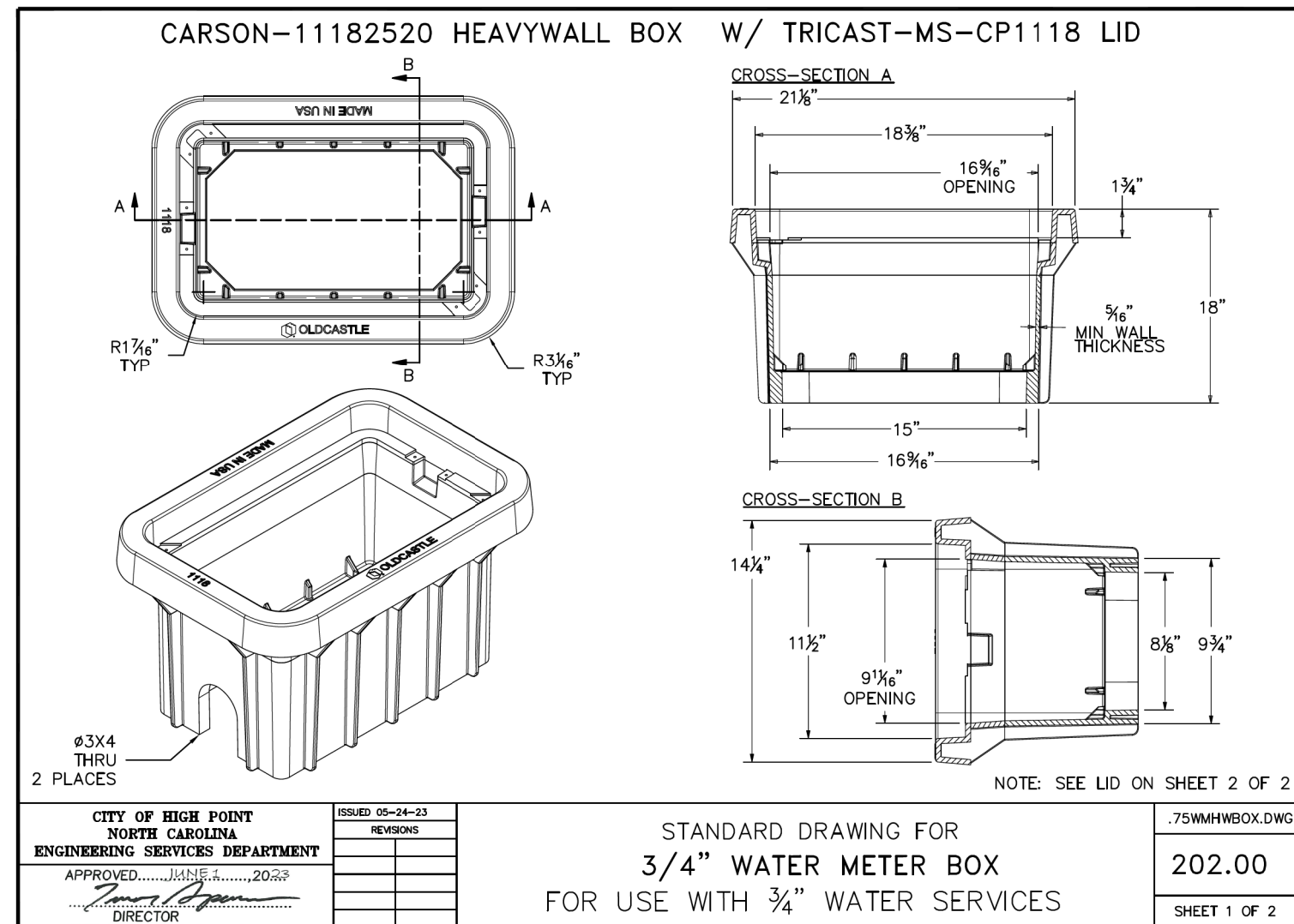
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42	60	84



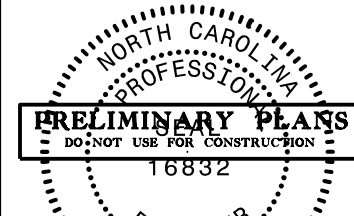
PIPE SIZE (INCHES)	# OF RODS REQUIRED
6	2
8	2
12	4
16	6
20	8
24	12

PIPE SIZE (INCHES)	CONCRETE DIMENSIONS (FT)			
	H	L	A	B
6	2.5	5	1	1
8	2.5	5	1	1
12	4	6	1.5	1
16	4	9	3	1
20	5	10	3.5	1
24	5.5	12	4.5	1

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 COMPLETED

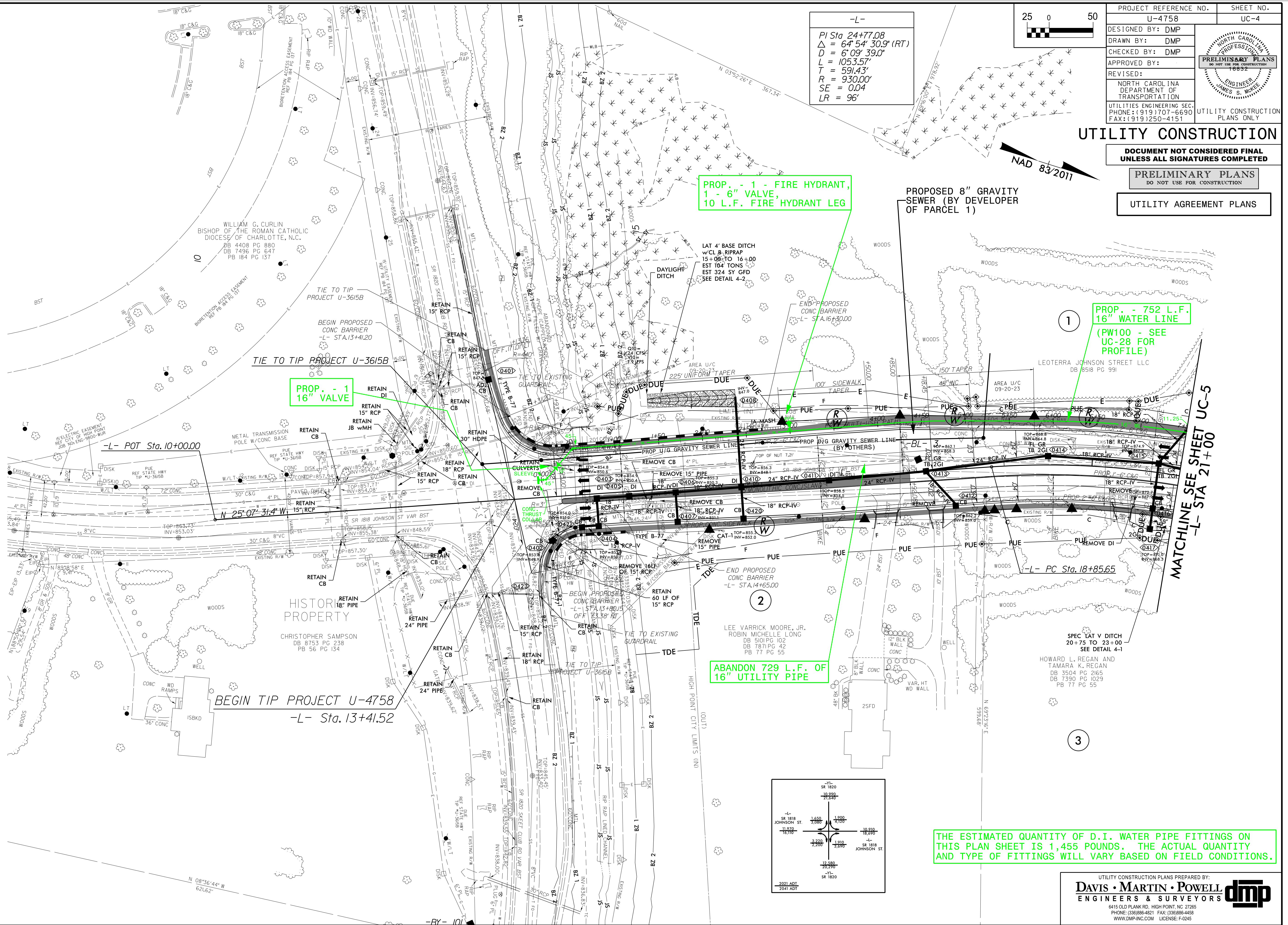
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

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

09-JAN-2025 14:44
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\$\$\$\$\$!\$FRNMF\$\$\$\$\$

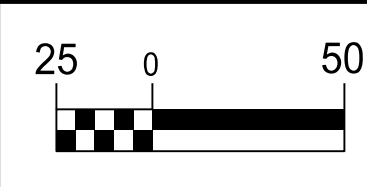


REVISIONS

-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	NORTH CAROLINA PROFESSIONAL ENGINEER 16832 JAMES S. MOORE UTILITY CONSTRUCTION PLANS ONLY
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	UTILITY ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
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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)

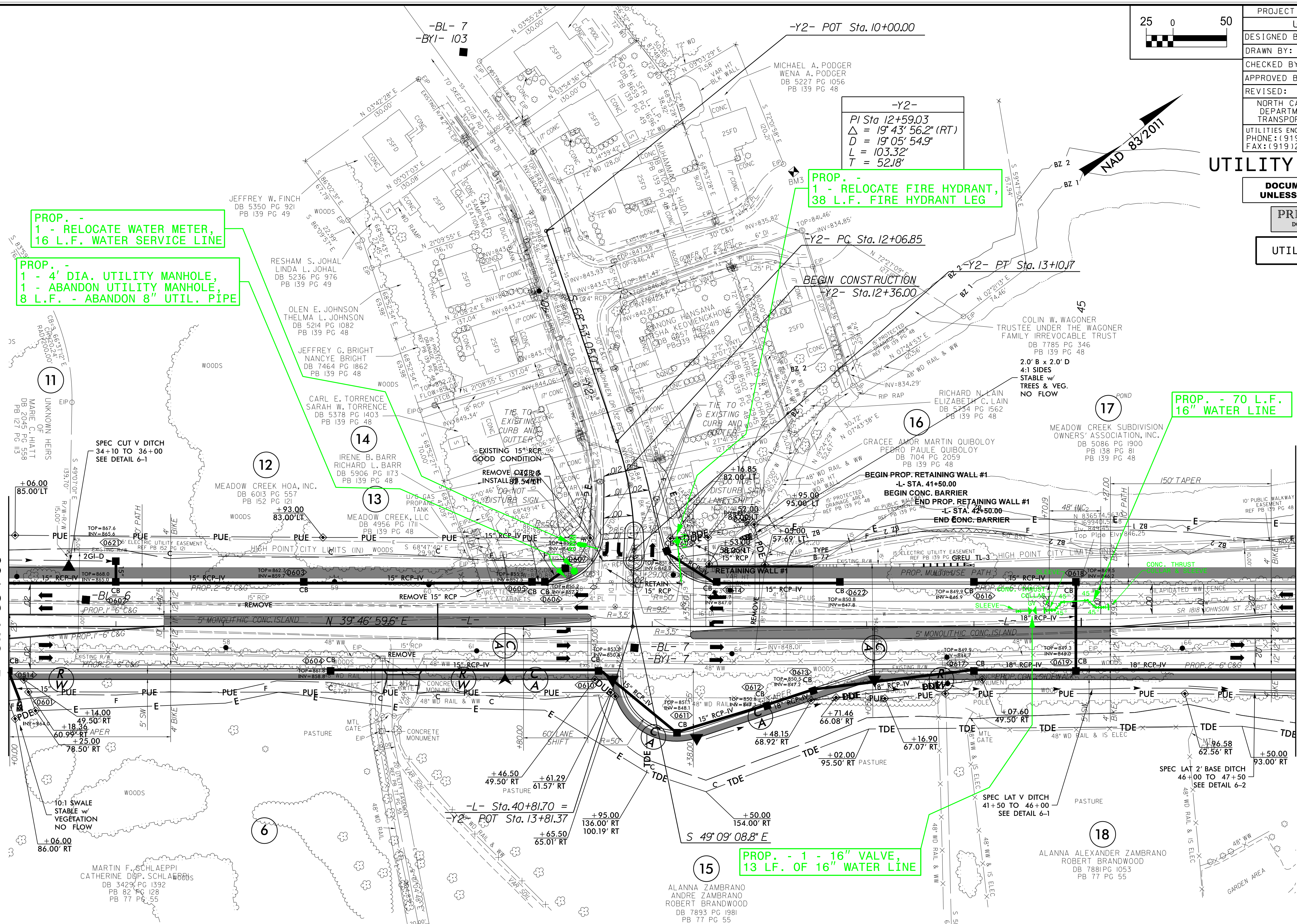
PROP. -
1 - RELOCATE FIRE HYDRANT,
1 - 6" TAPPING SLEEVE & VALVE,
29 L.F. FIRE HYDRANT LEG

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.

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\$\$\$\$\$IFRNAME\$\$\$\$\$

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



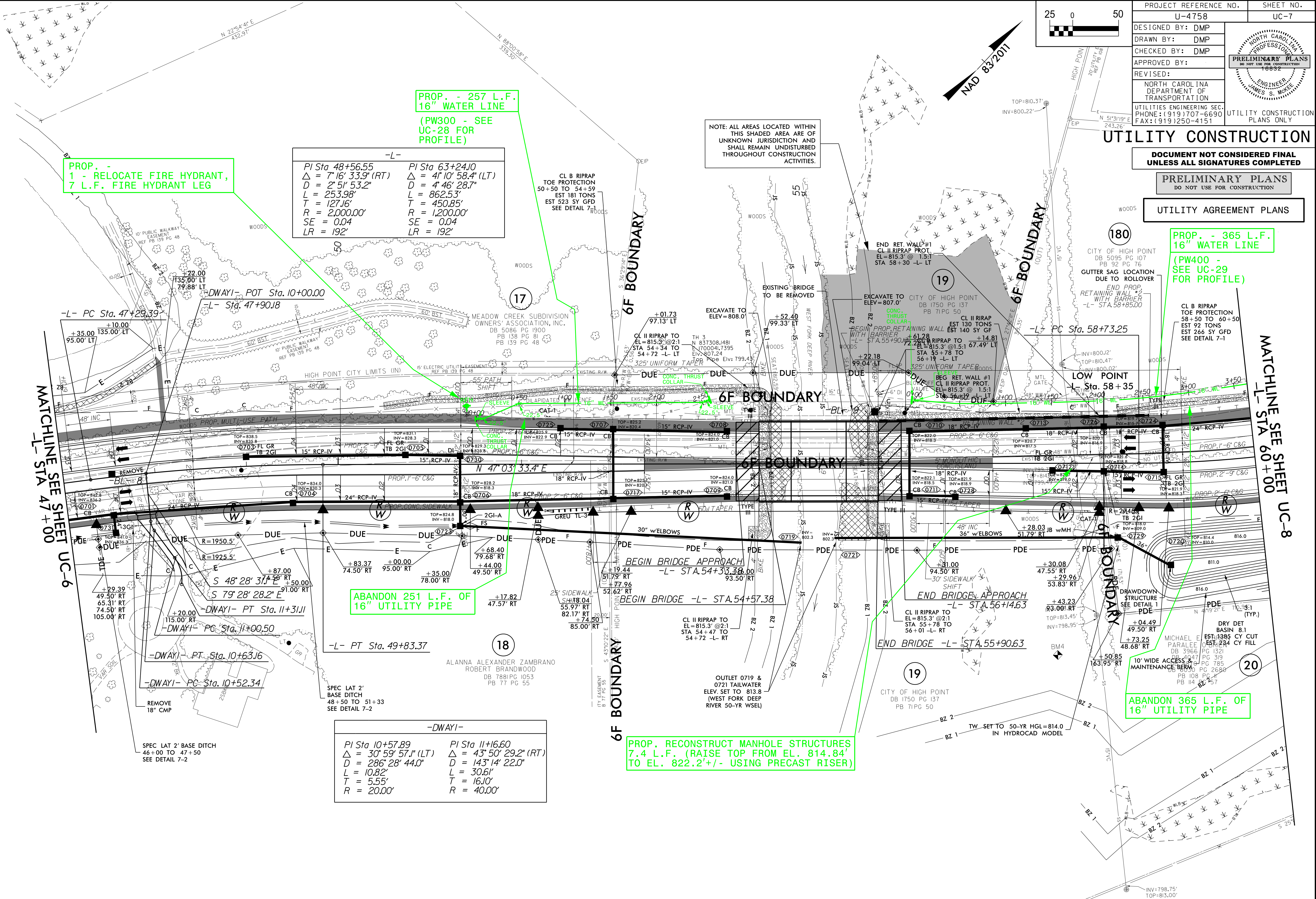
MATCHLINE SEE SHEET UC-7
-L- STA 47+00

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.

5/14/99

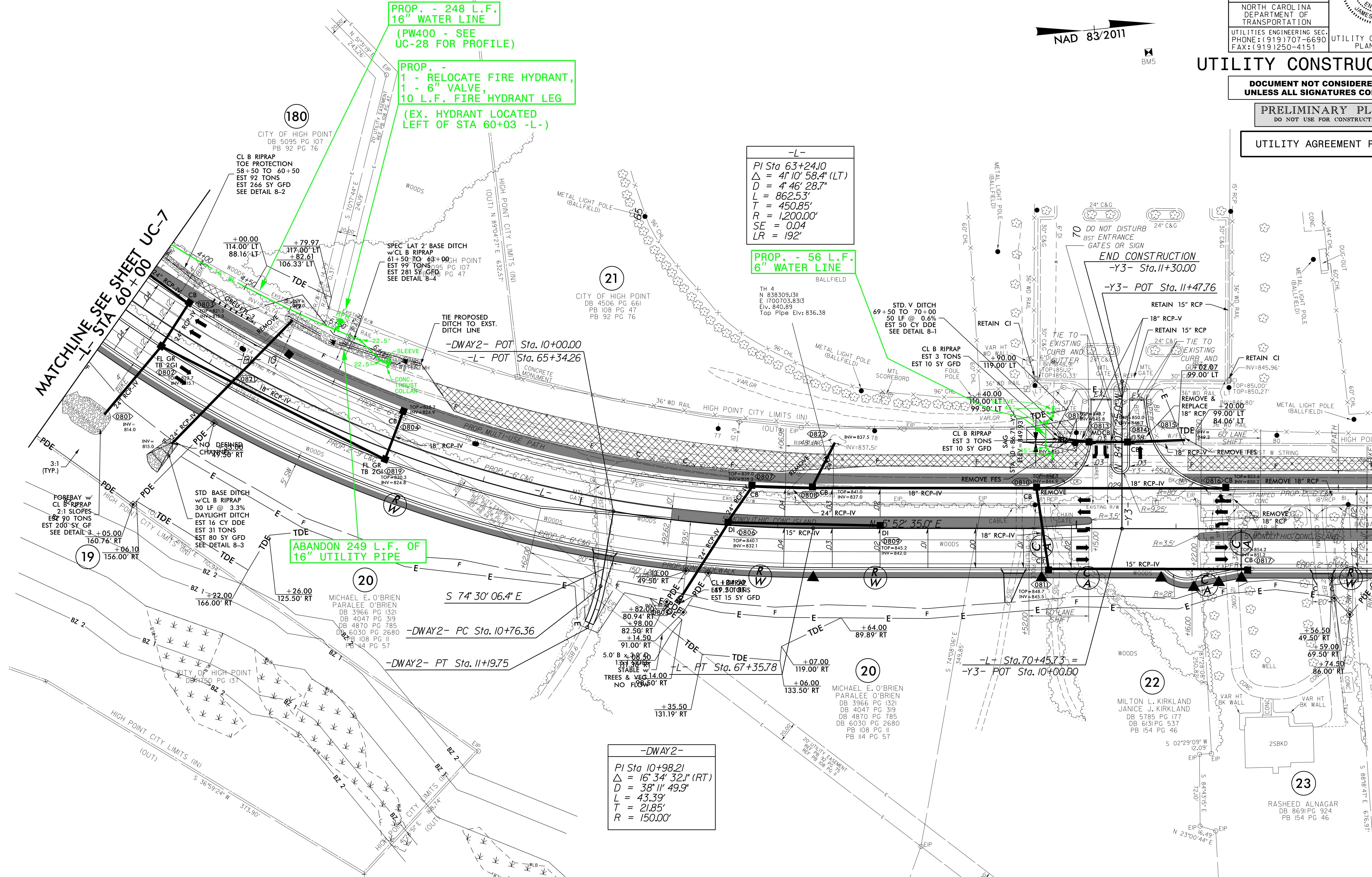
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\$\$\$\$\$C:\NAME\$\$\$\$

REVISIONS



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.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD, HIGH POINT, NC 27265
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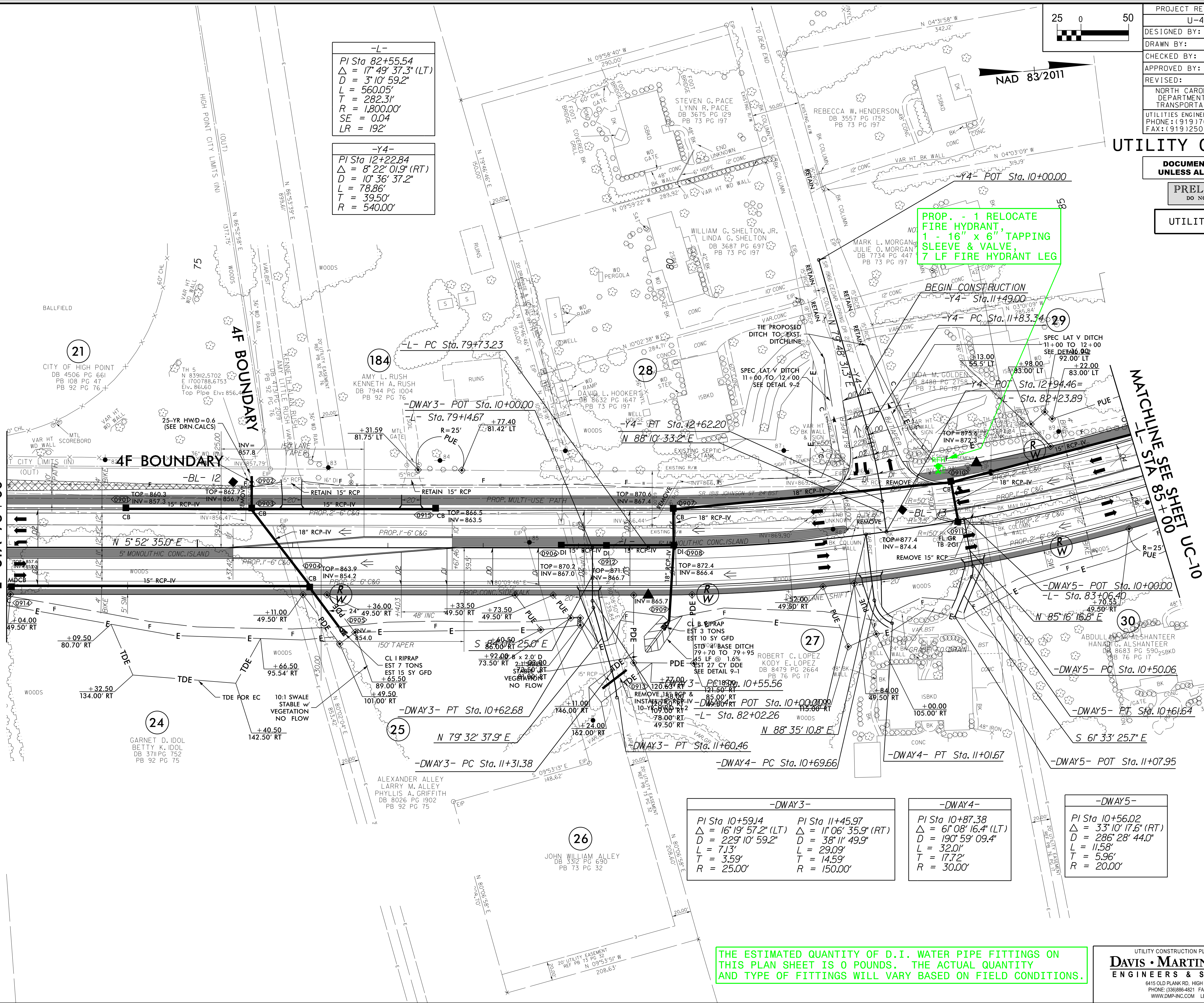
MATCHLINE SEE SHEET UC-9
-L- STA 73+00

REVISIONS

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 \$\$\$\$ISBNAME\$\$\$\$
 5/14/99

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

MATCHLINE SEE SHEET UC-10
-L- STA 85+00



-L-
PI Sta 82+55.54
Δ = 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'

-Y4-
PI Sta 12+22.84
Δ = 8° 22' 01.9" (RT)
D = 10' 36' 37.2"
L = 78.86'
T = 39.50'
R = 540.00'

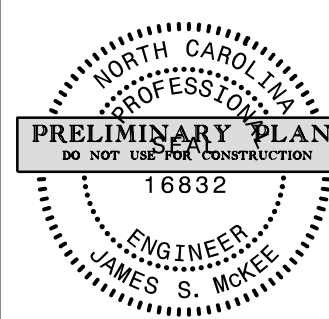
-DWAY3-
PI Sta 10+59.14
Δ = 16° 19' 57.2" (LT)
D = 229° 10' 59.2"
L = 7.13'
T = 3.59'
R = 25.00'

-DWAY4-
PI Sta 10+87.38
Δ = 61° 08' 16.4" (LT)
D = 33° 10' 17.6" (RT)
L = 190° 59' 09.4"
L = 32.01'
T = 17.72'
R = 30.00'

-DWAY5-
PI Sta 10+56.02
Δ = 33° 10' 17.6" (RT)
D = 286° 28' 44.0"
L = 11.58'
T = 5.96'
R = 20.00'

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:
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 REFERENCE NO. U-4758		SHEET NO. 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	

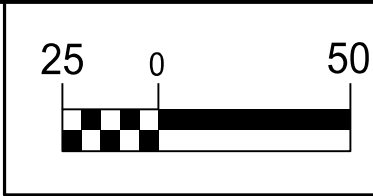
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

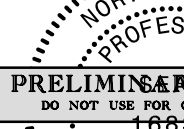
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

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NAD 83/2011

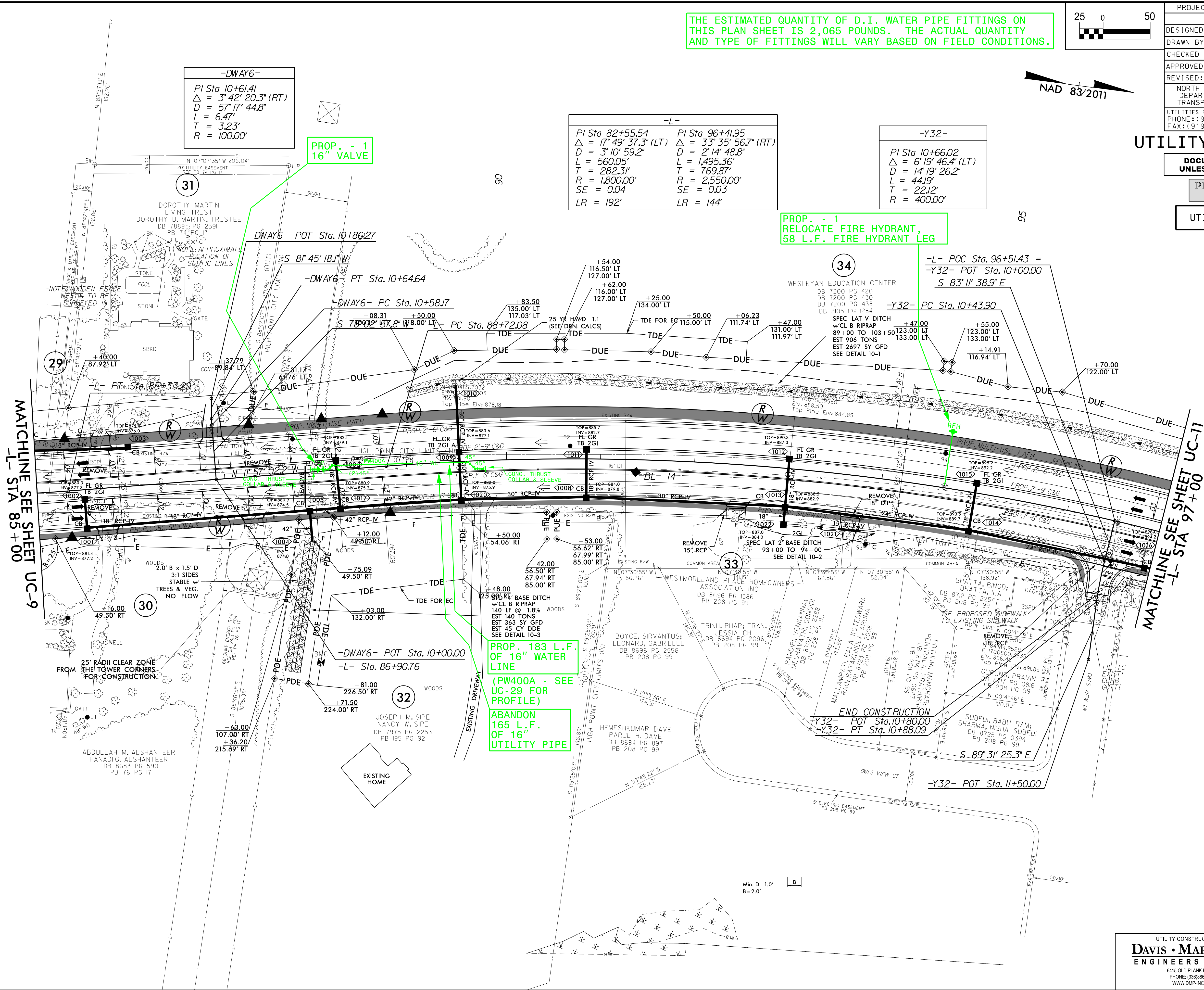
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-10	
DESIGNED BY: DMP			
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 19832 ENGINEER JAMES S. WOKÉ	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

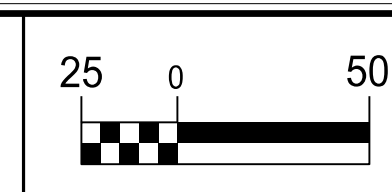
UTILITY CONSTRUCTION

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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS





PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-11
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
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UTILITY CONSTRUCTION

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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

REVISIONS

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)

-L-	
PI Sta 96+41.95	PI Sta 106+73.36
$\Delta = 33^{\circ} 35' 56.7"$ (RT)	$\Delta = 20^{\circ} 24' 12.1"$ (RT)
$D = 2^{\circ} 14' 48.8"$	$D = 3^{\circ} 22' 13.2"$
$L = 1,495.36'$	$L = 605.38'$
$T = 769.87'$	$T = 305.93'$
$R = 2,550.00'$	$R = 1,700.00'$
$SE = 0.03$	$SE = 0.04$
$LR = 144'$	$LR = 192'$

-Y30-
PI Sta 12+23.65
 $\Delta = 5^{\circ} 37' 40.8"$ (LT)
 $D = 10^{\circ} 25' 02.7"$
 $L = 540.2'$
 $T = 27.03'$
 $R = 550.00'$

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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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

NAD 83/2011

-Y7-
PI Sta 12+45.67
$\Delta = 11^{\circ} 14' 36.9''$ (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/
RIPRAP
NO FLOW

PROP. - 1
10" RPZ BACKFLOW
PREVENTER

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

PROP. - 70 L.F.
OF 12" WATER LINE

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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dmp

Page 77 of 247

 3/2017		PROJECT REFERENCE NO.		SHEET NO.
		U-4758		UC-13
		DESIGNED BY: DMP		 NORTH CAROLINA PROFESSIONAL ENGINEER JAMES S. NIEKEL PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16932 ENGINEER JAMES S. NIEKEL
		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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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

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

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

ABANDON 475
L.F. OF 16"
UTILITY PIPE

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

(PW1000 - SEE
UC-30 FOR
PROFILE)

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

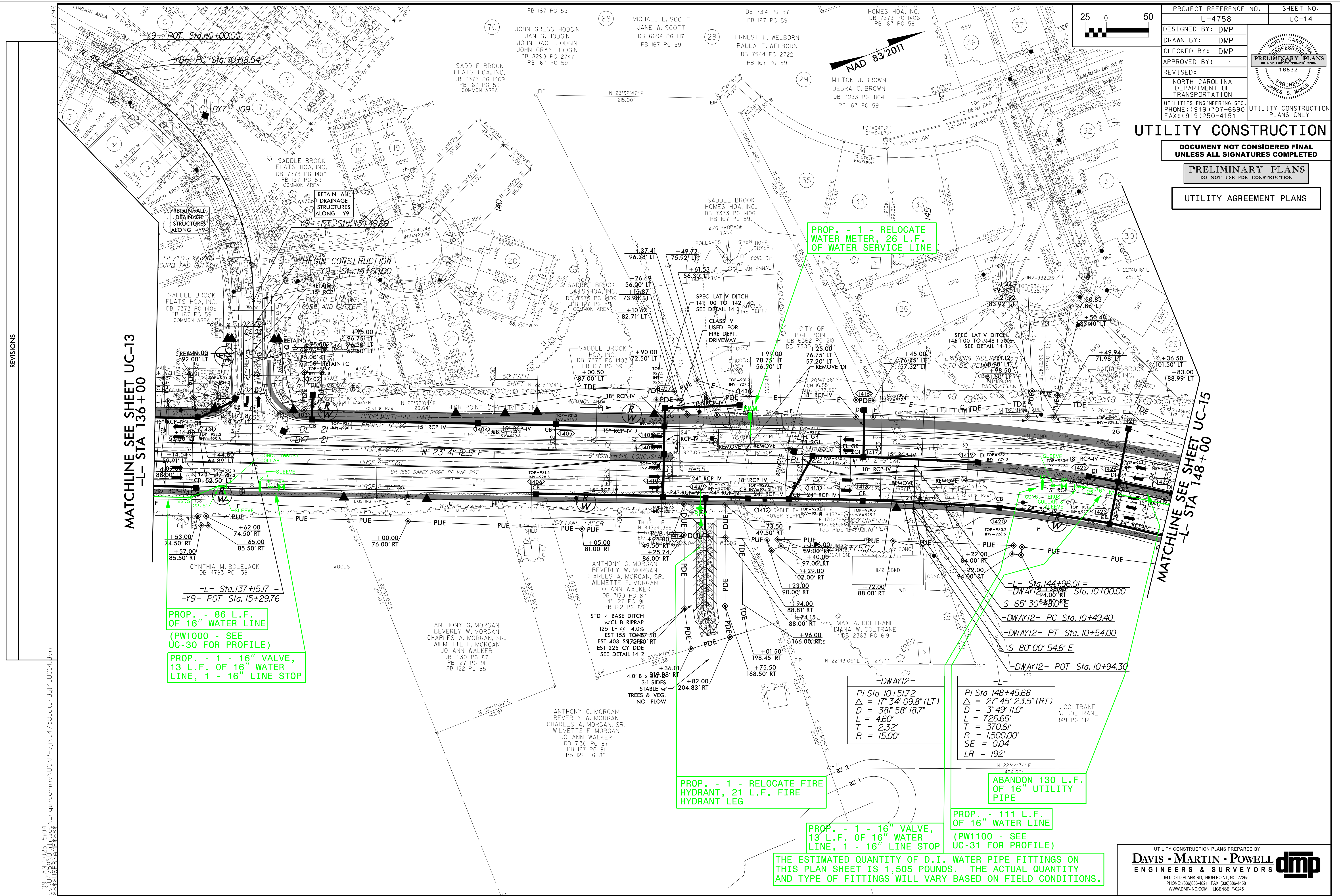
UTILITY CONSTRUCTION PLANS PREPARED BY:

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

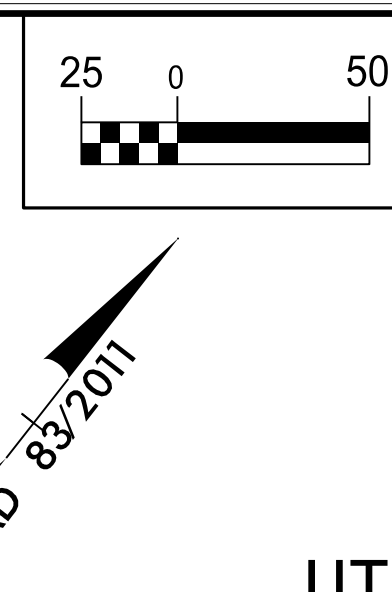
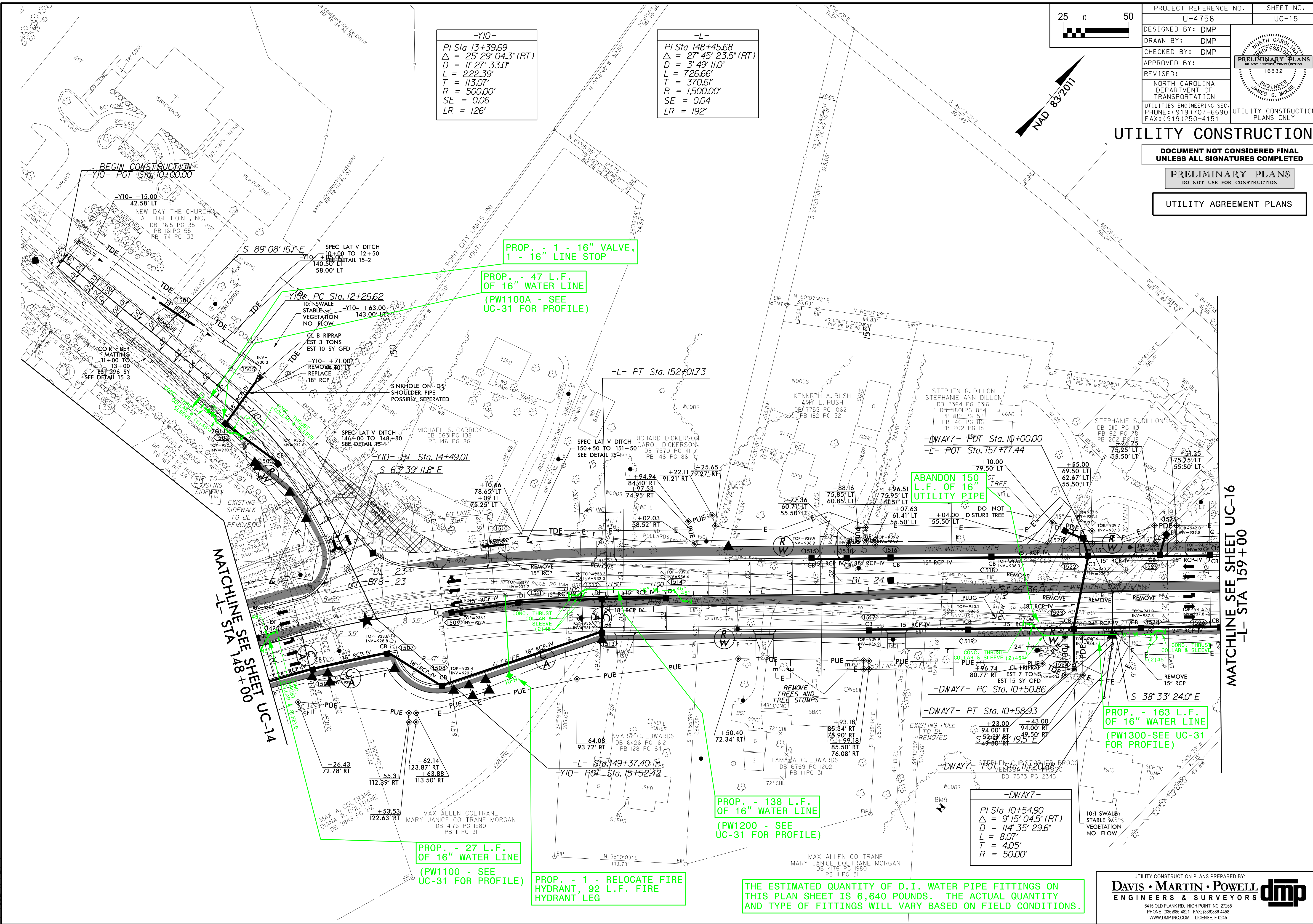
The logo for Davis Martin Powell (DMP) features the lowercase letters 'dmp' in a bold, stylized, sans-serif font. The letters are black and have a modern, geometric feel. The 'd' and 'm' are connected, and the 'p' is slightly separated. The logo is positioned on the right side of the header, to the right of the company name.

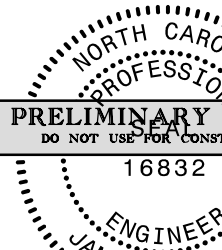


5/14/98

REVISIONS

09-JAN-2025 15:08
Engineering\UC\ProJ\U4758-ut-rdy15_UC15.dgn
\$\$\$\$



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-15
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

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UTILITY AGREEMENT PLANS

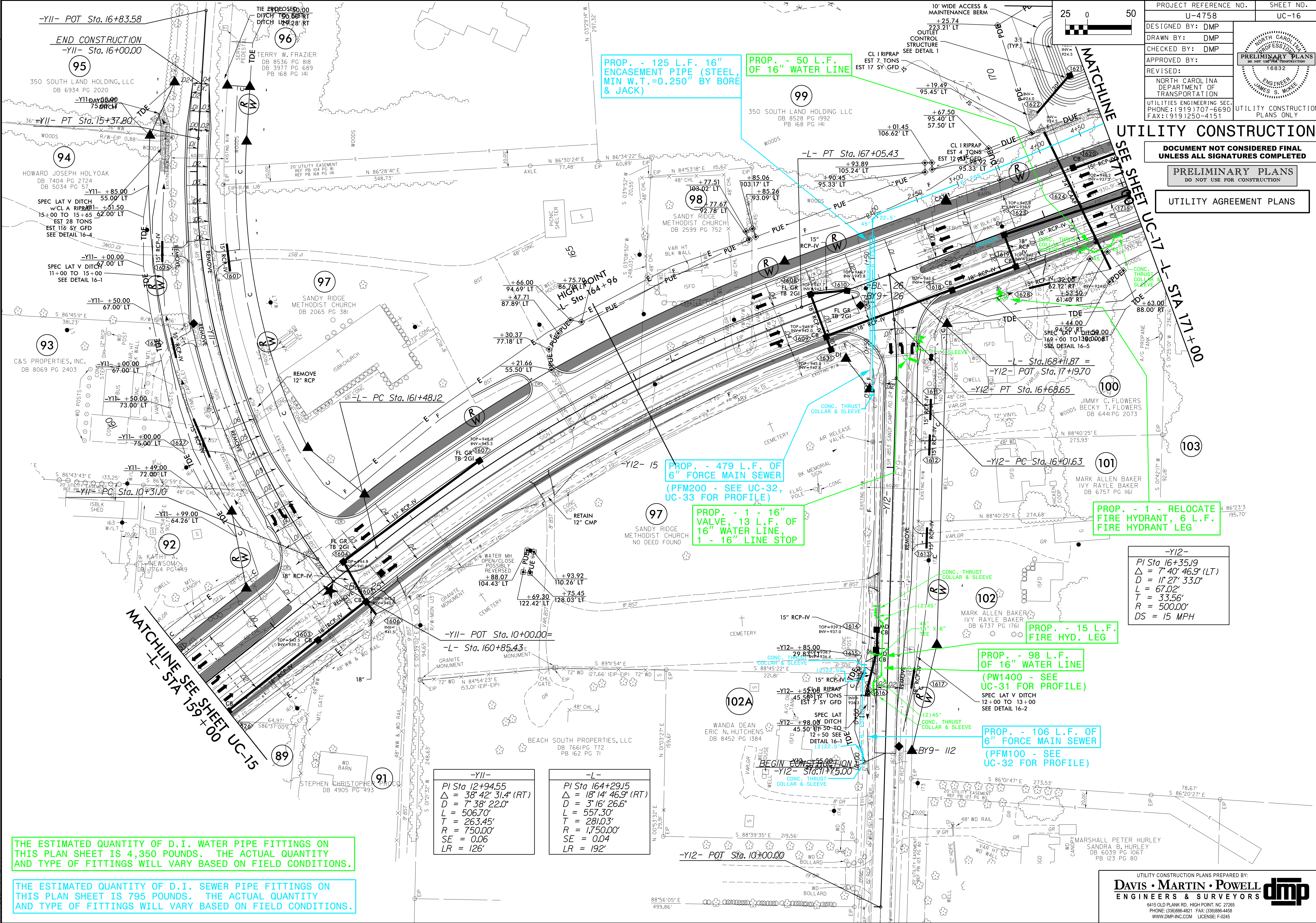
MATCHLINE SEE SHEET UC-16
-L- STA 159+00

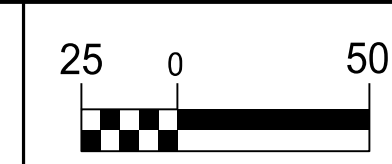
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,640 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

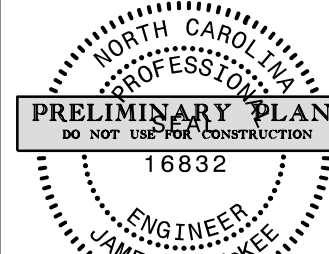
UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
6415 OLD PLANK RD, HIGH POINT, NC 27665
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

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

REVISIONS





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

UTILITY CONSTRUCTION

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DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

PI Sta 181+62.6
 $\Delta = 10' 27' 39''$
 $D = 3' 10' 59.2''$
 $L = 328.64'$
 $T = 164.78'$
 $R = 1,800.00'$
 $SE = 0.04$
 $LR = 192'$

-DWAY8-
PI Sta 10+64.89
 $\Delta = 52' 36' 09.5'' (LT)$
 $D = 381' 58' 18.7''$
 $L = 13.77'$
 $T = 7.41'$
 $R = 15.00'$

-L-
PI Sta 174+72.62
 $\Delta = 33' 36' 30.8'' (LT)$
 $D = 6' 09' 39.0''$
 $L = 545.52'$
 $T = 280.86'$
 $R = 930.00'$
 $SE = 0.04$
 $LR = 192'$

PI Sta 181+62.64
 $\Delta = 10' 27' 39.6'' (RT)$
 $D = 3' 10' 59.2''$
 $L = 328.64'$
 $T = 164.78'$
 $R = 1,800.00'$
 $SE = 0.04$
 $LR = 192'$

PROP. - 1 - 2" AIR RELEASE VALVE

(NOTE: ARV SHALL BE SUITABLE FOR SEWER SERVICE)

ABANDON 170 L.F. OF 16" UTILITY PIPE

PROP. - 1,122 L.F. OF 6" FORCE MAIN SEWER (PFM200 - SEE UC-32, UC-33 FOR PROFILE)

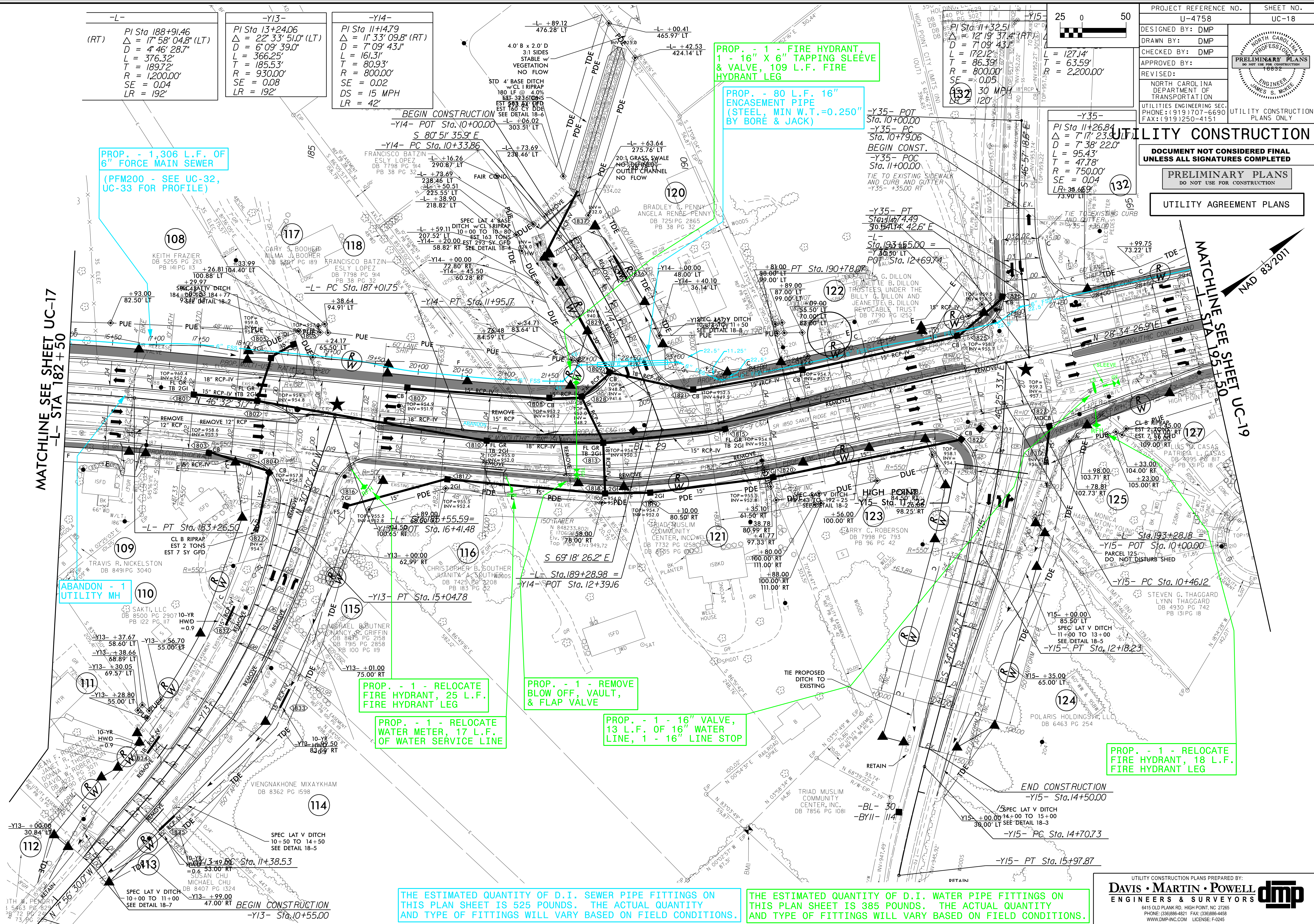
PROP. - 187 L.F. OF 16" WATER LINE 1 - 16" VALVE (PW1500 - SEE UC-31 FOR PROFILE)

PROP. - 1 - RELOCATE FIRE HYDRANT, 1 - 6" VALVE, 10 L.F. FIRE HYDRANT LEG

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.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS 
6415 OLD PLANK RD., HIGH POINT, NC 27265
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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
$\Delta = 6^{\circ} 32' 27.0'' (LT)$
$D = 3^{\circ} 22' 13.2''$
$L = 1,825.95'$
$T = 1,012.21'$
$R = 1,700.00'$
$SE = 0.04$
$LR = 192'$

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

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-

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

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

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.

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ENGINEERS & SURVEYORS

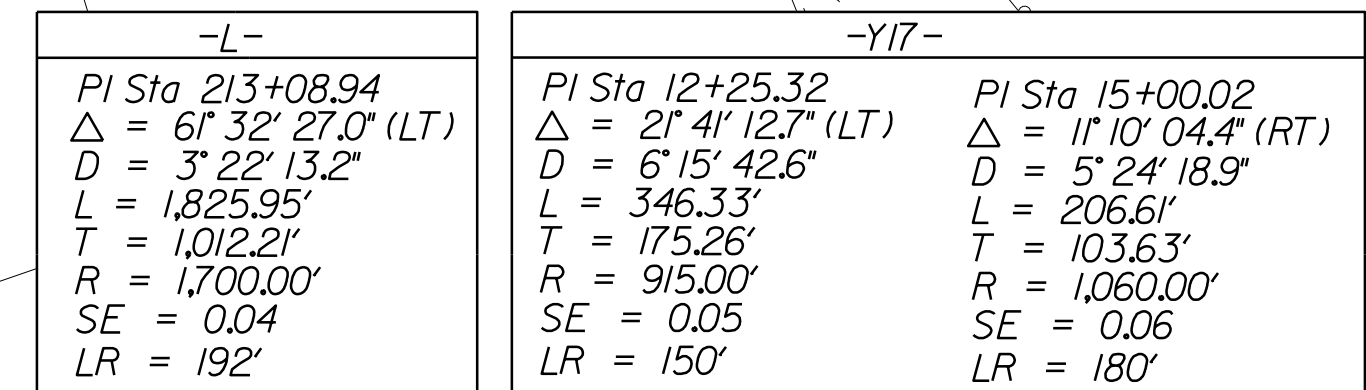
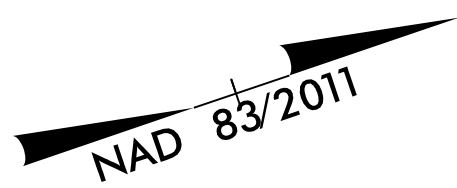
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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,590 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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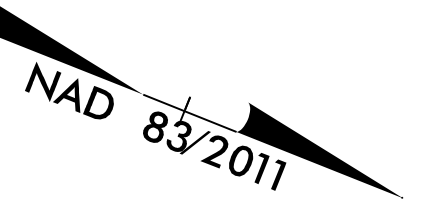


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\$\$\$USERNAME\$\$\$
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-Y21-
<i>Pl Sta 12+31.82</i> $\Delta = 19^{\circ} 20' 39.3''$ (LT) $D = 19^{\circ} 05' 54.9''$ $L = 101.29'$ $T = 51.13'$ $R = 300.00'$

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-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.

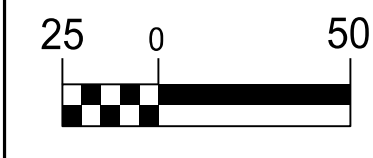
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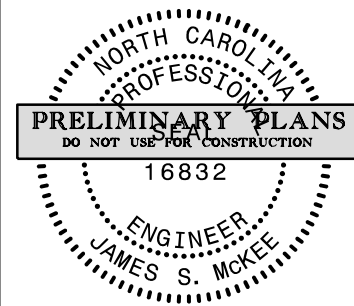
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-L-	-Y24-	-Y24-	-Y24-
PI Sta 236+00.34 $\Delta = 17' 24" 28.7" (RT)$ $D = 4' 05" 33.2"$ $L = 425.36'$ $T = 214.33'$ $R = 1,400.00'$ $SE = 0.04$ $LR = 240'$	PI Sta 10+28.95 $\Delta = 44' 56" 32.2" (RT)$ $D = 8' 51' 04.0"$ $L = 54.91'$ $T = 28.95'$ $R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



PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-22
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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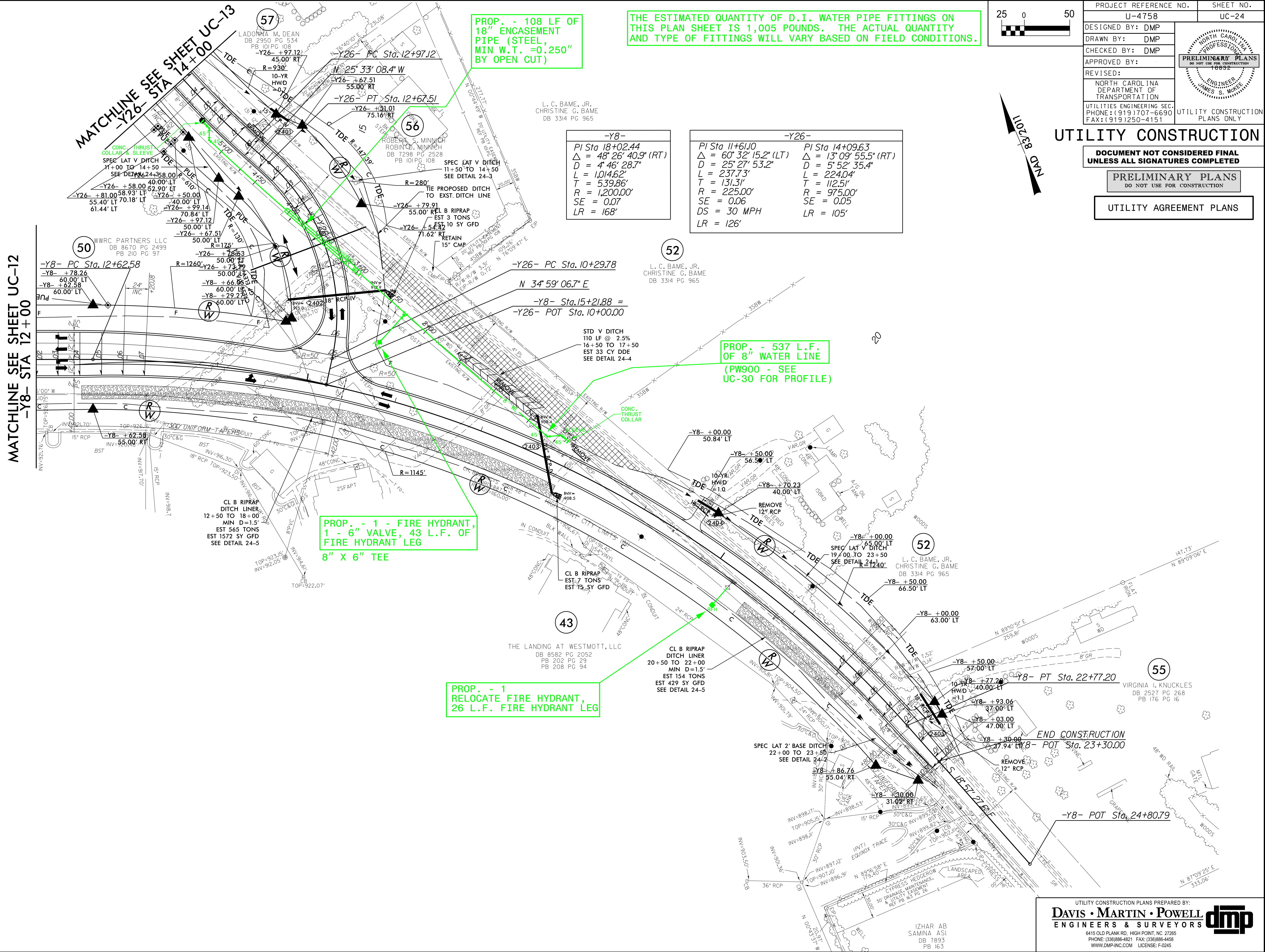
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MATCHLINE SEE SHEET UC-21
-L- STA 228+50MATCHLINE SEE SHEET UC-23
-LI- STA 11+90PROP. - 1 - ADJUSTMENT
OF MANHOLES (CONTRACTOR
SHALL ROTATE ECCENTRIC
CONE TO MOVE TOP OUT
OF CURB & GUTTER)PROPOSED 4"
DIAMETER MH
(BY OTHERS)ABANDON 55 L.F.
OF 12" UTILITY
PIPEPROP. - 50 L.F.
OF 10" WATER LINEPROP. - 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.UTILITY CONSTRUCTION PLANS PREPARED BY:
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UTILITY AGREEMENT PLANS

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

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

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

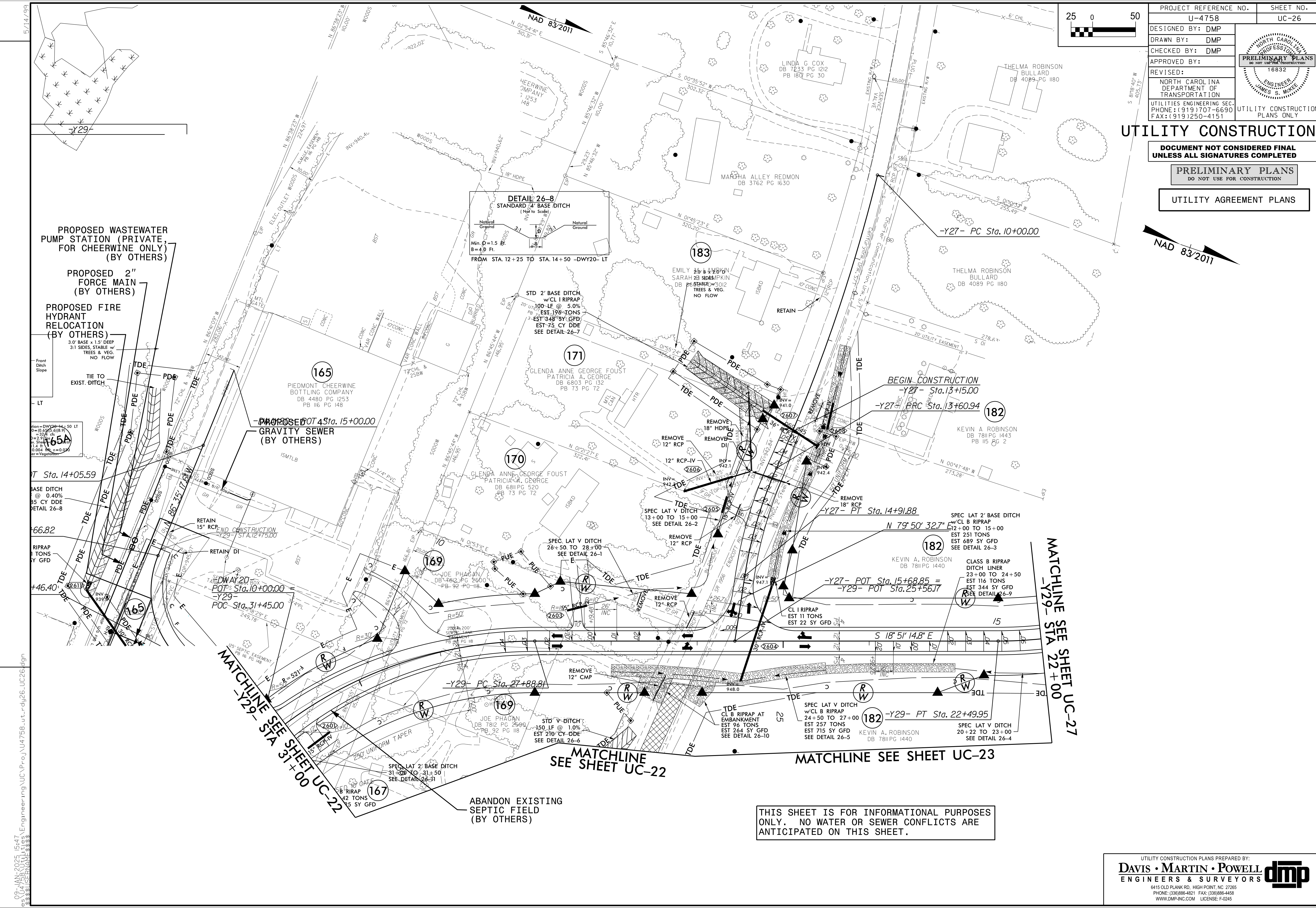
PROP. - 57 L.F.
OF 12" WATER LINE

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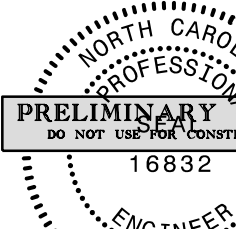
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UTILITY AGREEMENT PLANS



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U-4758		UC-26
DESIGNED BY: DMP		
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CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
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PROPOSED WASTEWATER
PUMP STATION (PRIVATE,
FOR CHEERWINE ONLY)
(BY OTHERS)

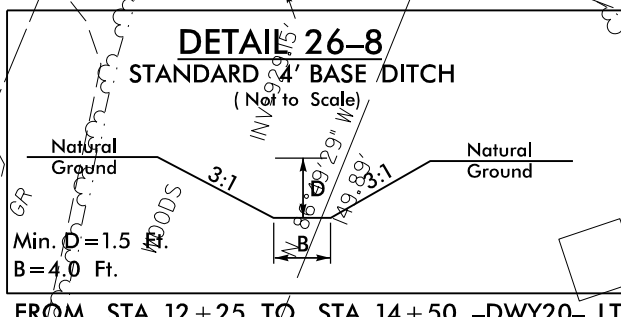
PROPOSED 2"
FORCE MAIN
(BY OTHERS)

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 12"
GRAVITY SEWER
(BY OTHERS)



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

STD 2' BASE DITCH
w/CL 1 RIPRAP
100 LF @ 5.0%
EST 198 TONS
EST 348 SY GFD
EST 75 CY DDE
SEE DETAIL 26-7

GLENDA ANNE GEORGE FOUST
PATRICIA A. GEORGE
DB 6803 PG 132
PB 73 PG 72

GLENDA ANNE GEORGE FOUST
PATRICIA A. GEORGE
DB 6811 PG 520
PB 73 PG 72

JOE PHAGAN
DB 7812 PG 2590
PB 92 PG 118

JOE PHAGAN
DB 7812 PG 2590
PB 92 PG 118

ABANDON EXISTING
SEPTIC FIELD
(BY OTHERS)

EMILY A. ROBINSON
SARAH J. SIDES/PKIN
DB 76 STABLE w/3012
TREES & VEG.
NO FLOW

REMOVE
18" HDPE
REMOVE
12" RCP
REMOVE
DI

REMOVE
12" RCP
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12" RCP

BEGIN CONSTRUCTION
-Y27- Sta. 13+15.00

-Y27- PRC Sta. 13+60.94

-Y27- PT Sta. 14+91.88

-Y27- POT Sta. 15+68.85 =
-Y29- POT Sta. 25+56.17

-Y29- PT Sta. 22+49.95

SPEC LAT 2' BASE DITCH
w/CL B RIPRAP
23+00 TO 24+50
EST 251 TONS
EST 689 SY GFD
SEE DETAIL 26-3

CLASS B RIPRAP
DITCH LINER
23+00 TO 24+50
EST 116 TONS
EST 344 SY GFD
SEE DETAIL 26-9

SPEC LAT V DITCH
20+22 TO 23+00
SEE DETAIL 26-4

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

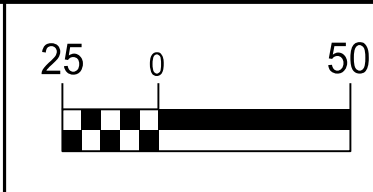
MATCHLINE
SEE SHEET UC-22

MATCHLINE SEE SHEET UC-23

MATCHLINE SEE SHEET UC-22
-Y29- STA 31+00

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

REVISIONS

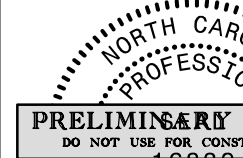


UTILITY CONSTRUCTION

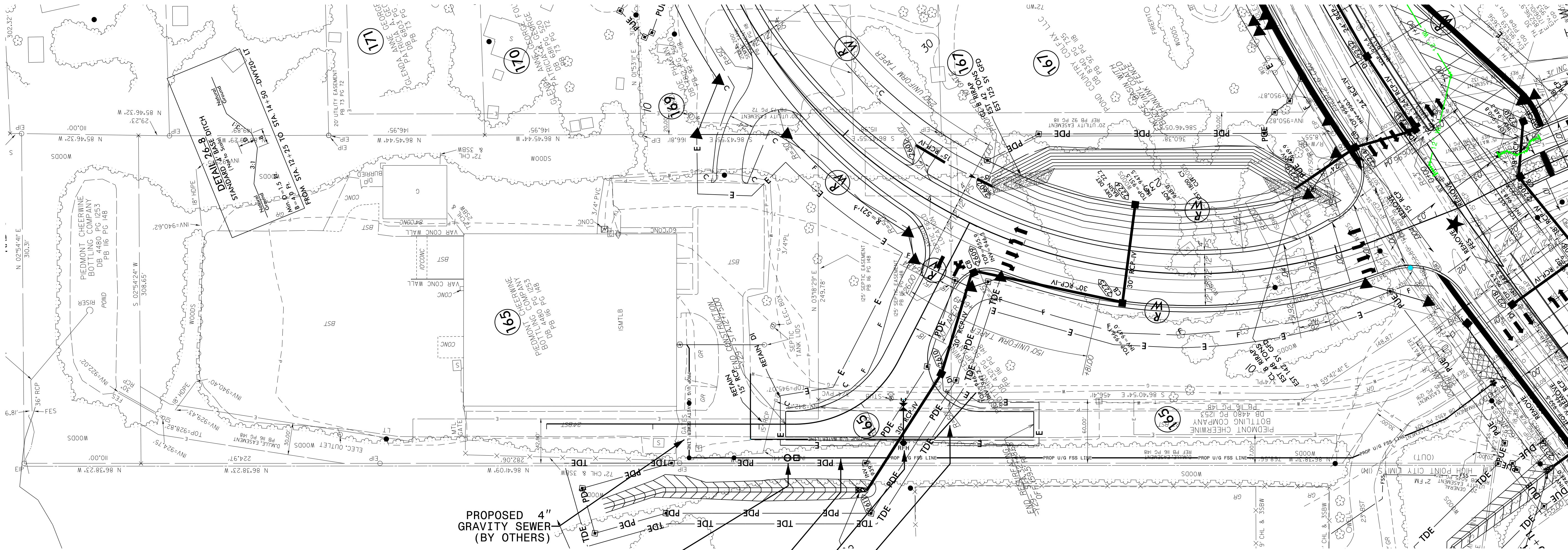
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U-4758		UC-26A	
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APPROVED BY:			
REVISED:			
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NAD 83/2011



PROPOSED 4" GRAVITY SEWER (BY OTHERS)

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

PROPOSED 2" FORCE MAIN (BY OTHERS)

PROPOSED FIRE HYDRANT RELOCATION (BY OTHERS)

PROPOSED WATER SERVICE LINE (BY OTHERS)

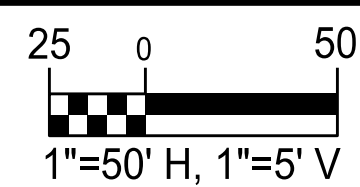
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ENGINEERS & SURVEYORS

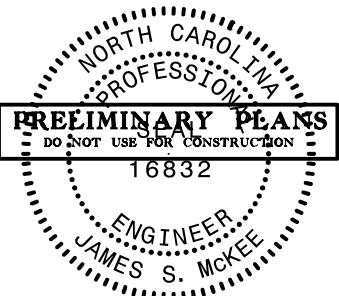


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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-28
DESIGNED BY: DMP	 A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the text "JAMES S. WOKEL" is written in a curve. In the center, the text "16832" is displayed. Overlaid on the seal is a rectangular stamp that reads "PRELIMINARY PLANS" in large, bold, capital letters, with "DO NOT USE FOR CONSTRUCTION" in smaller capital letters below it.	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
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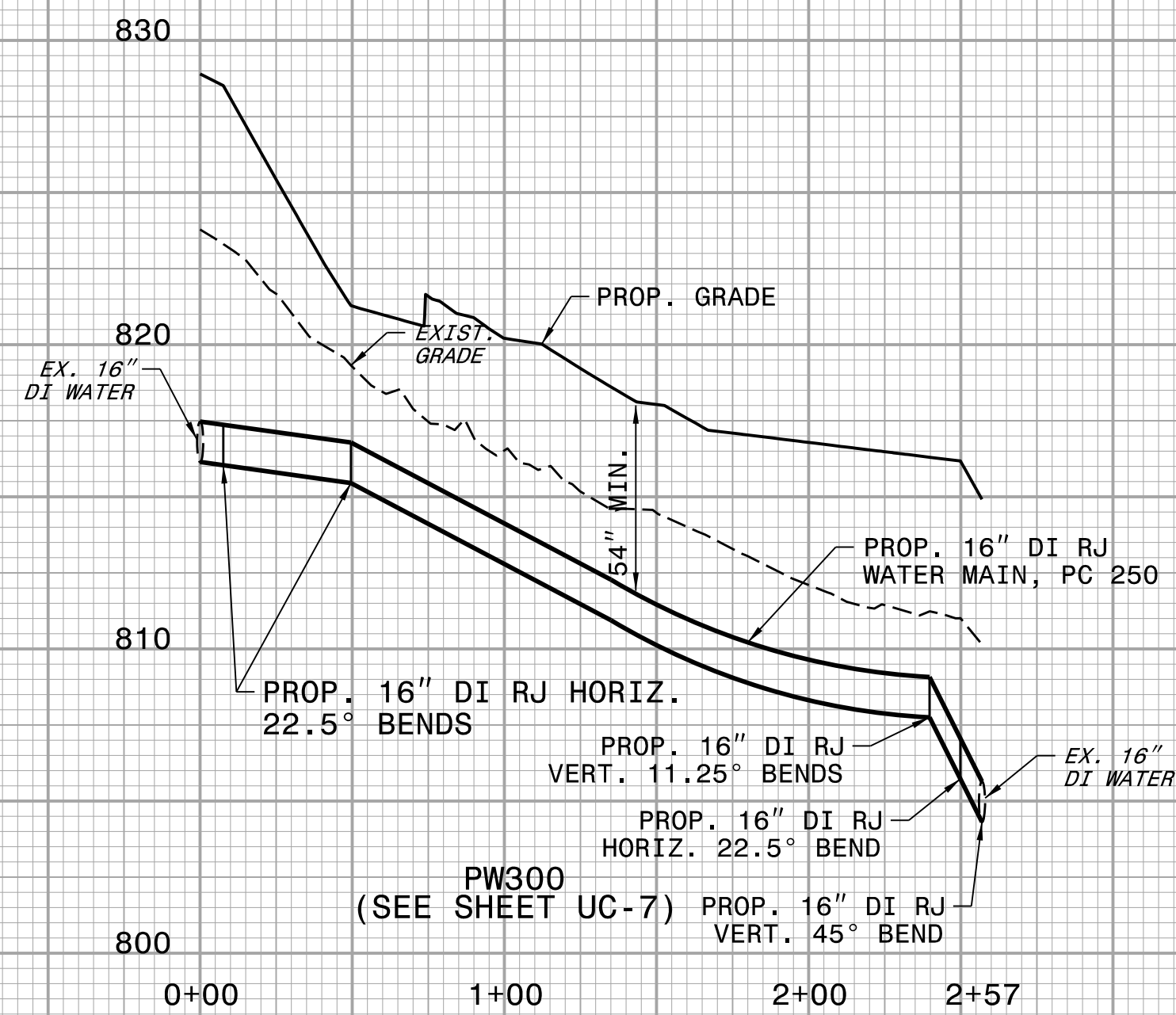
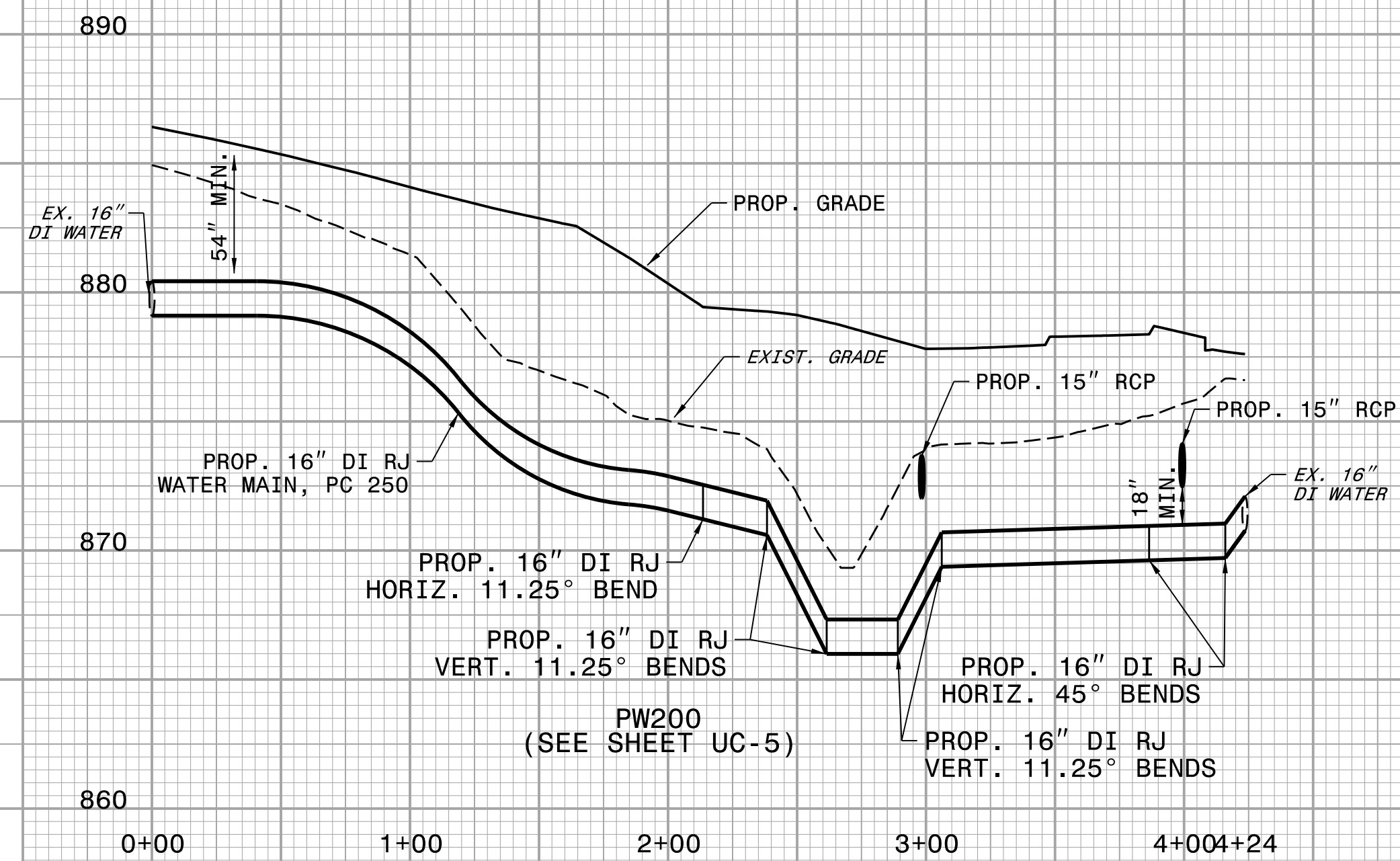
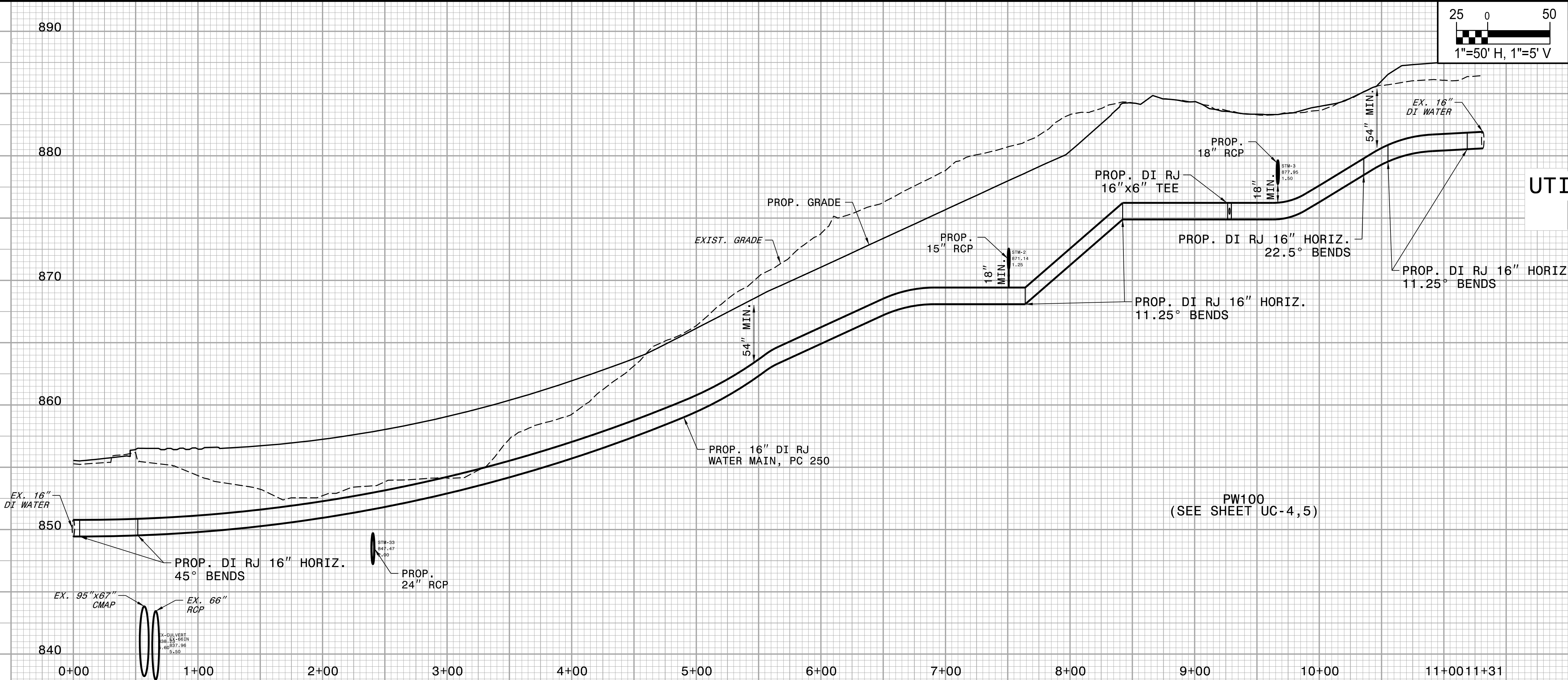


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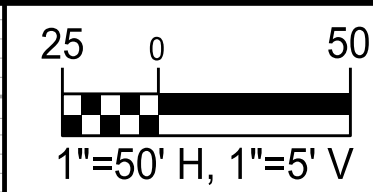
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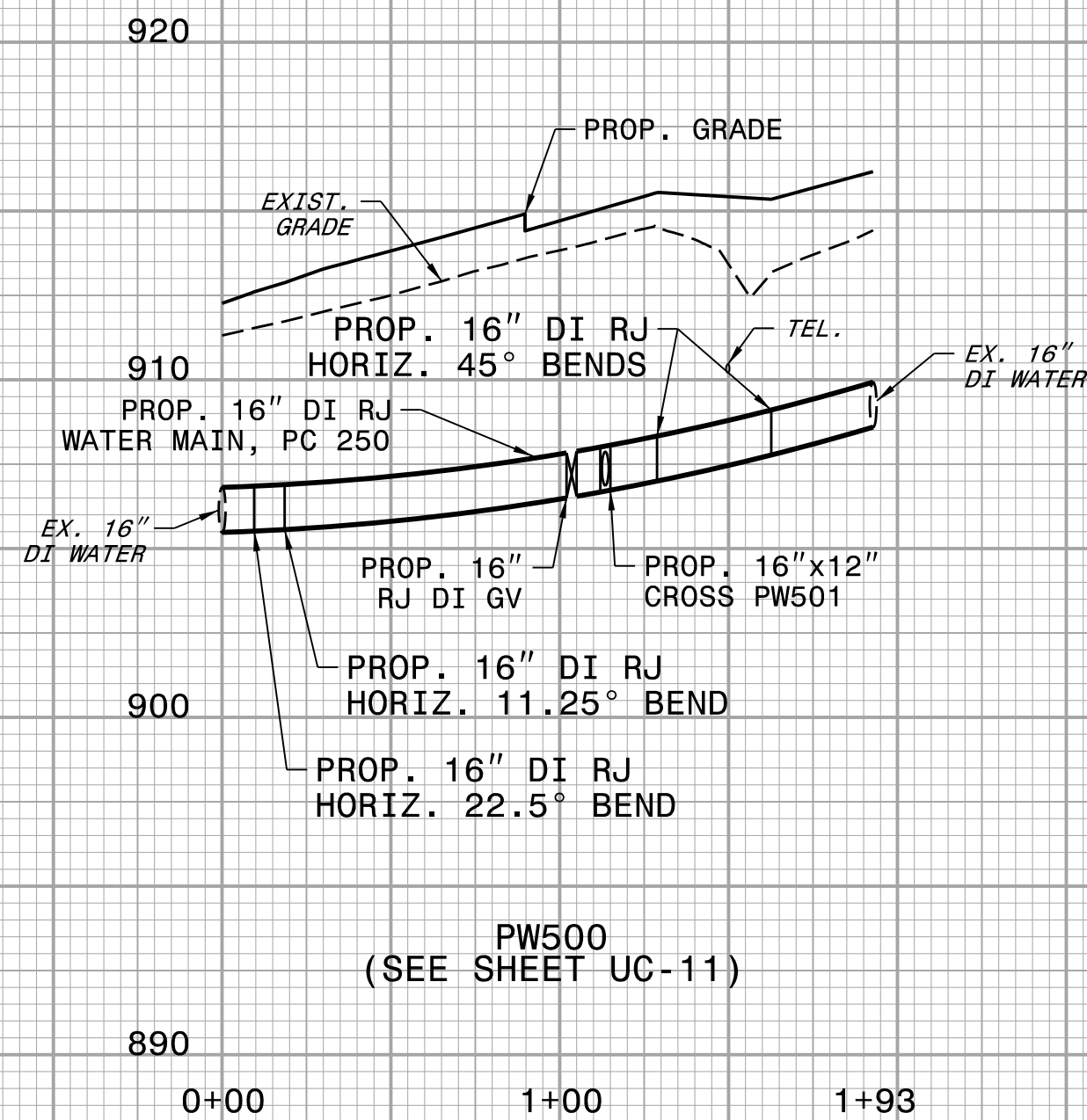
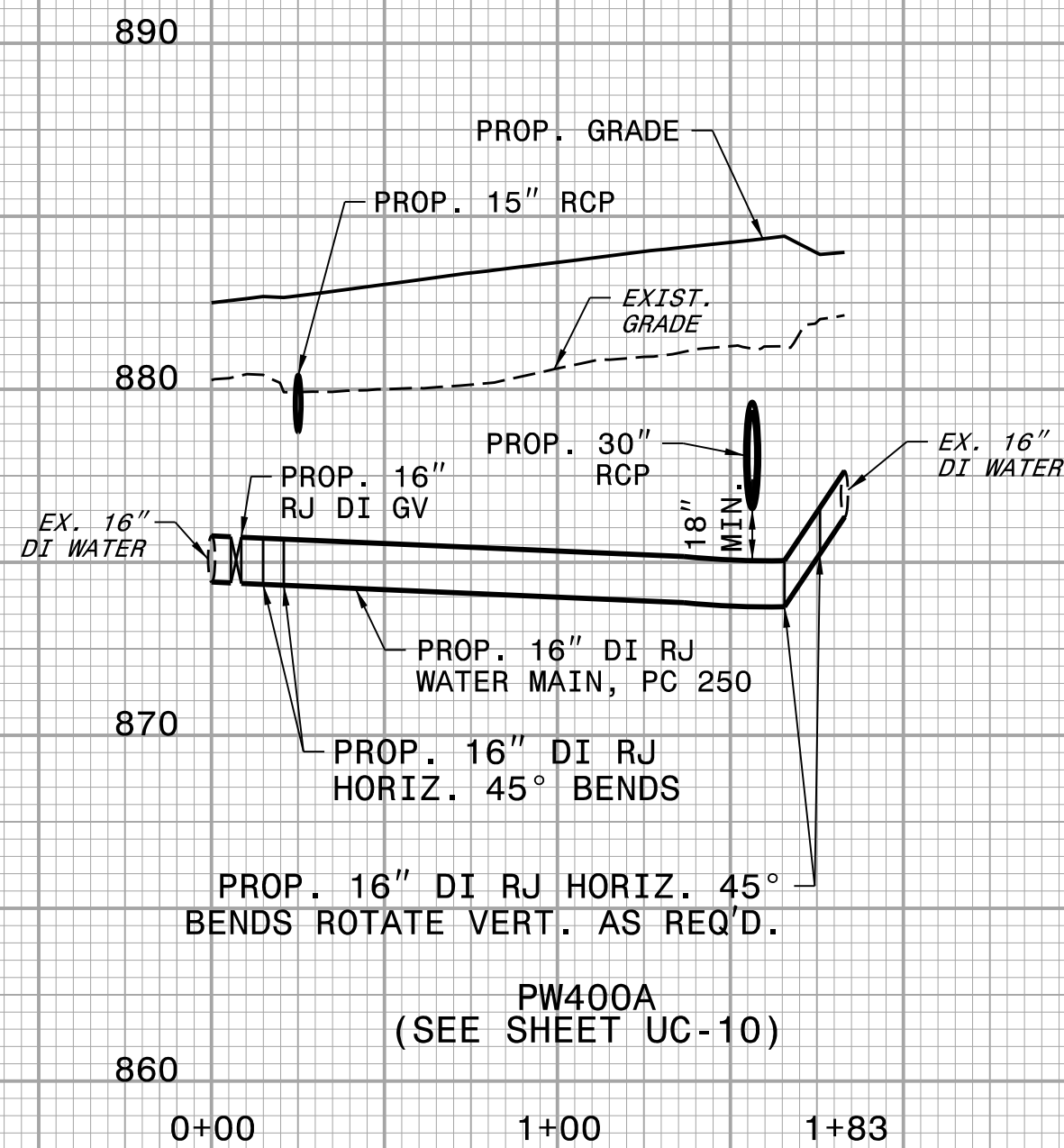
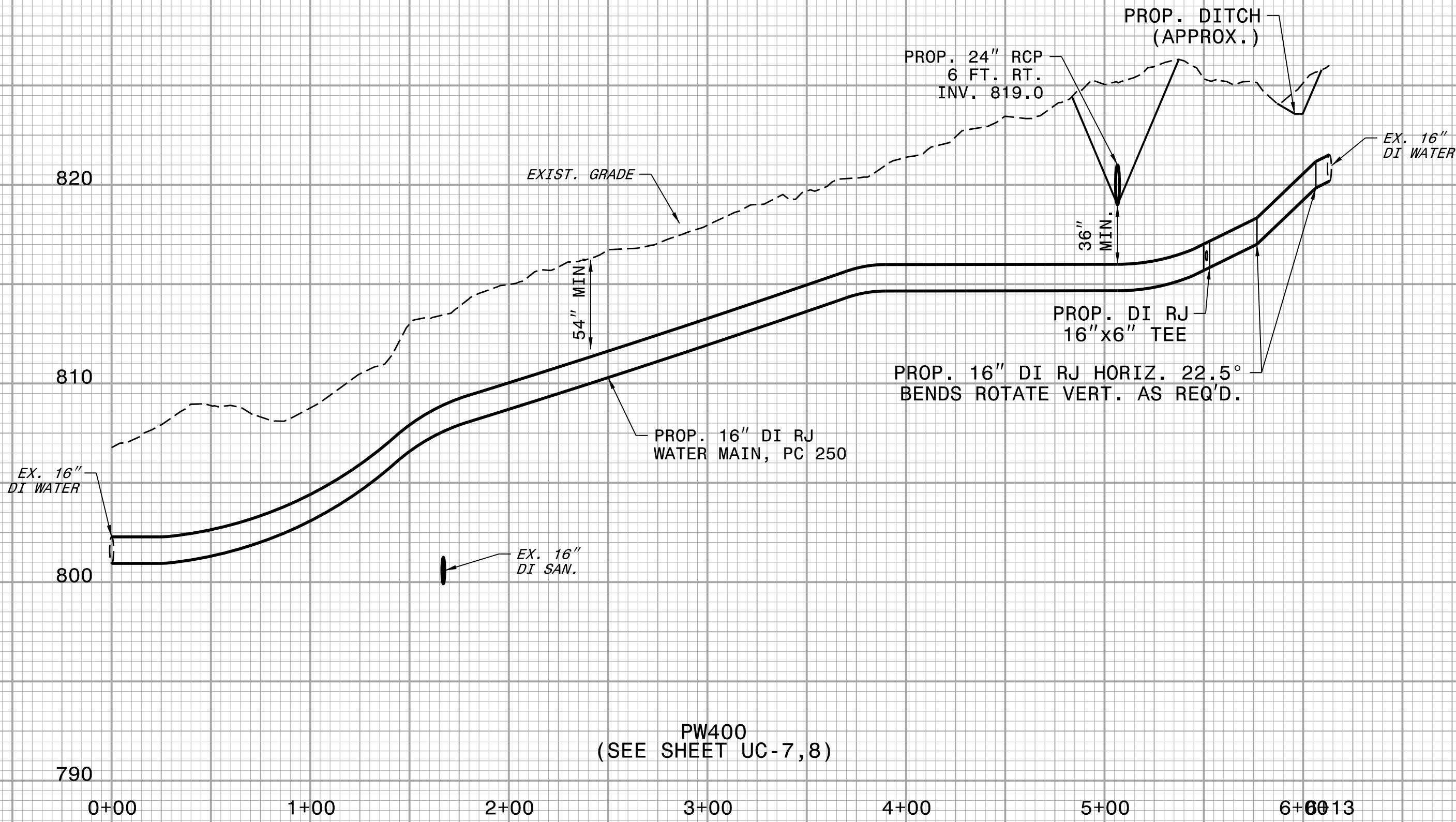
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-29
DESIGNED BY: DMP	PROFESSIONAL ENGINEER 16832 JAMES S. MOORE NORTH CAROLINA ENGINEER	
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:	UTILITY CONSTRUCTION PLANS ONLY	
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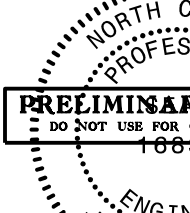
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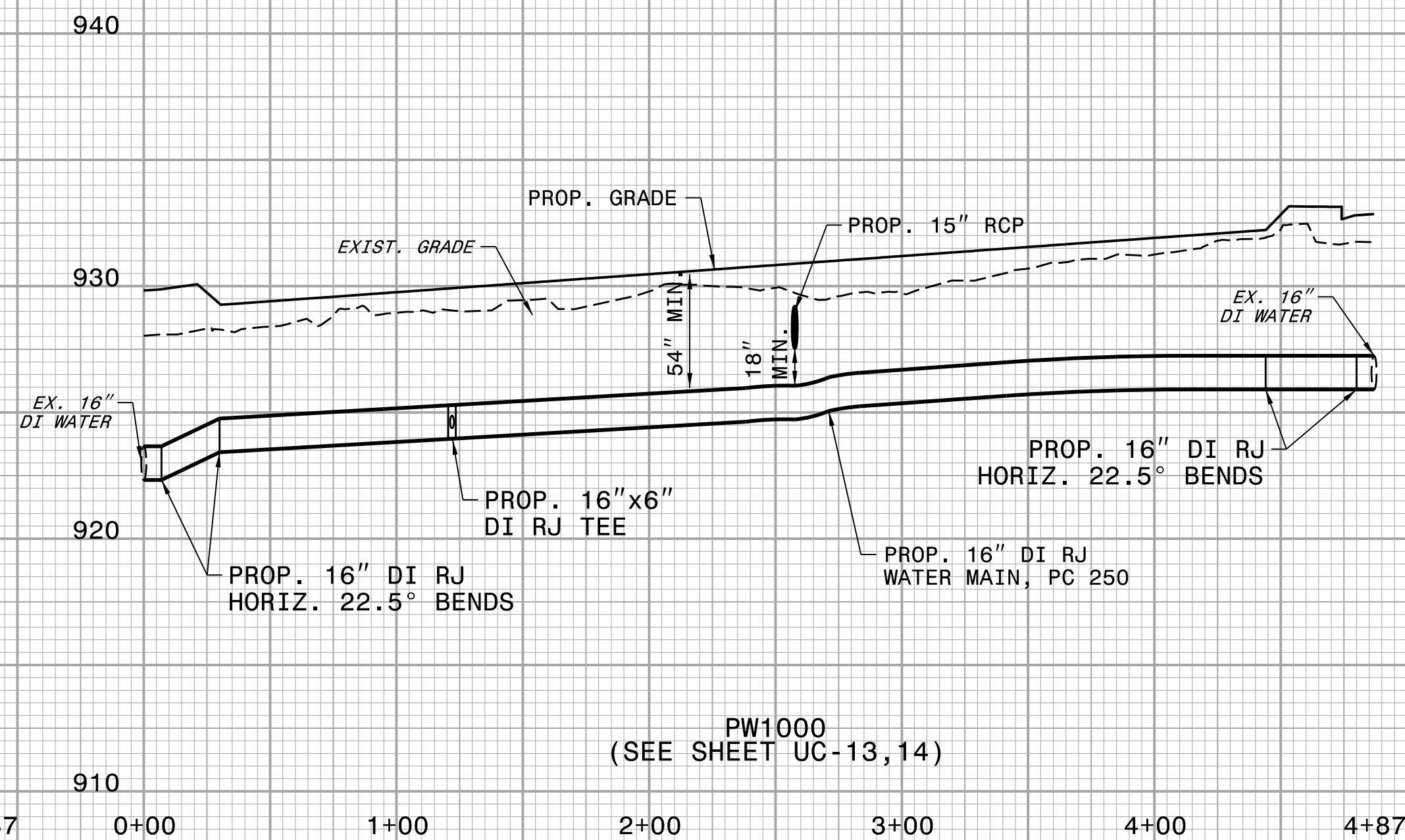
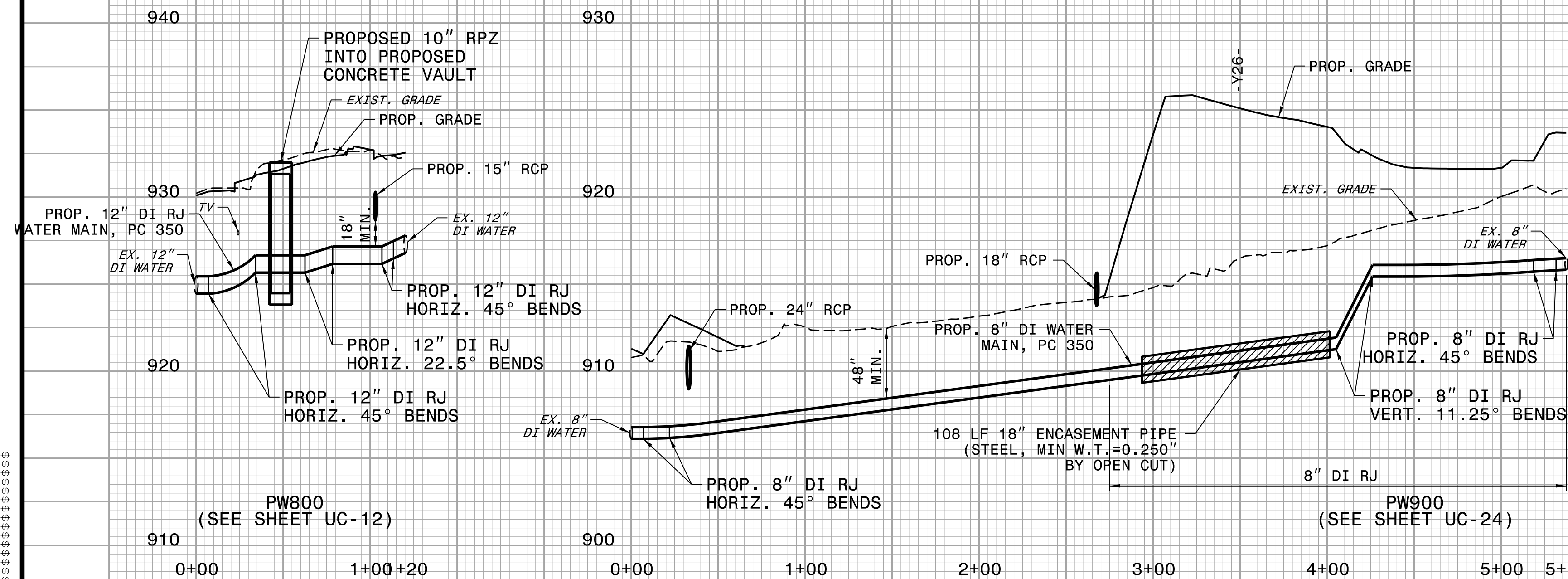
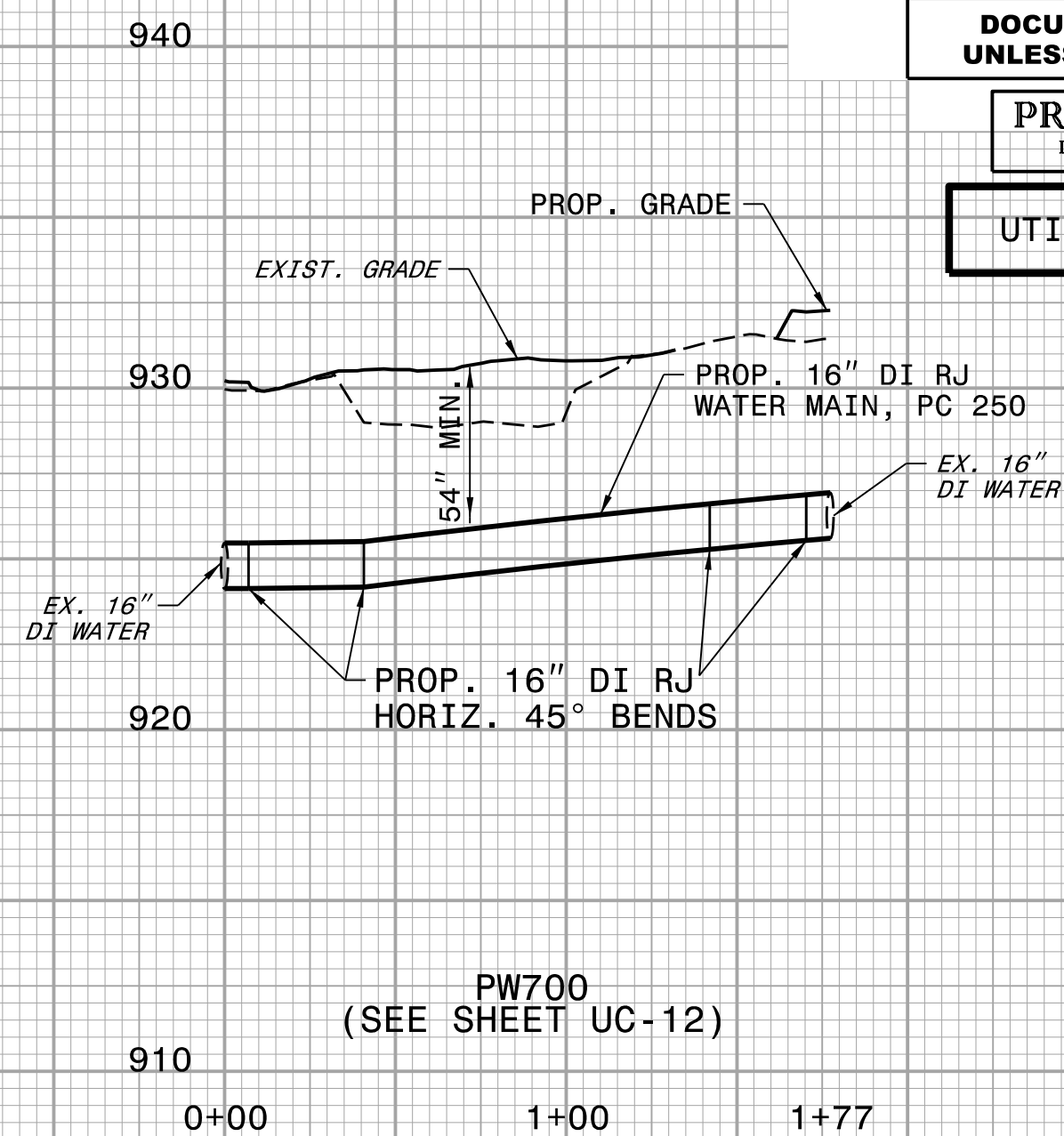
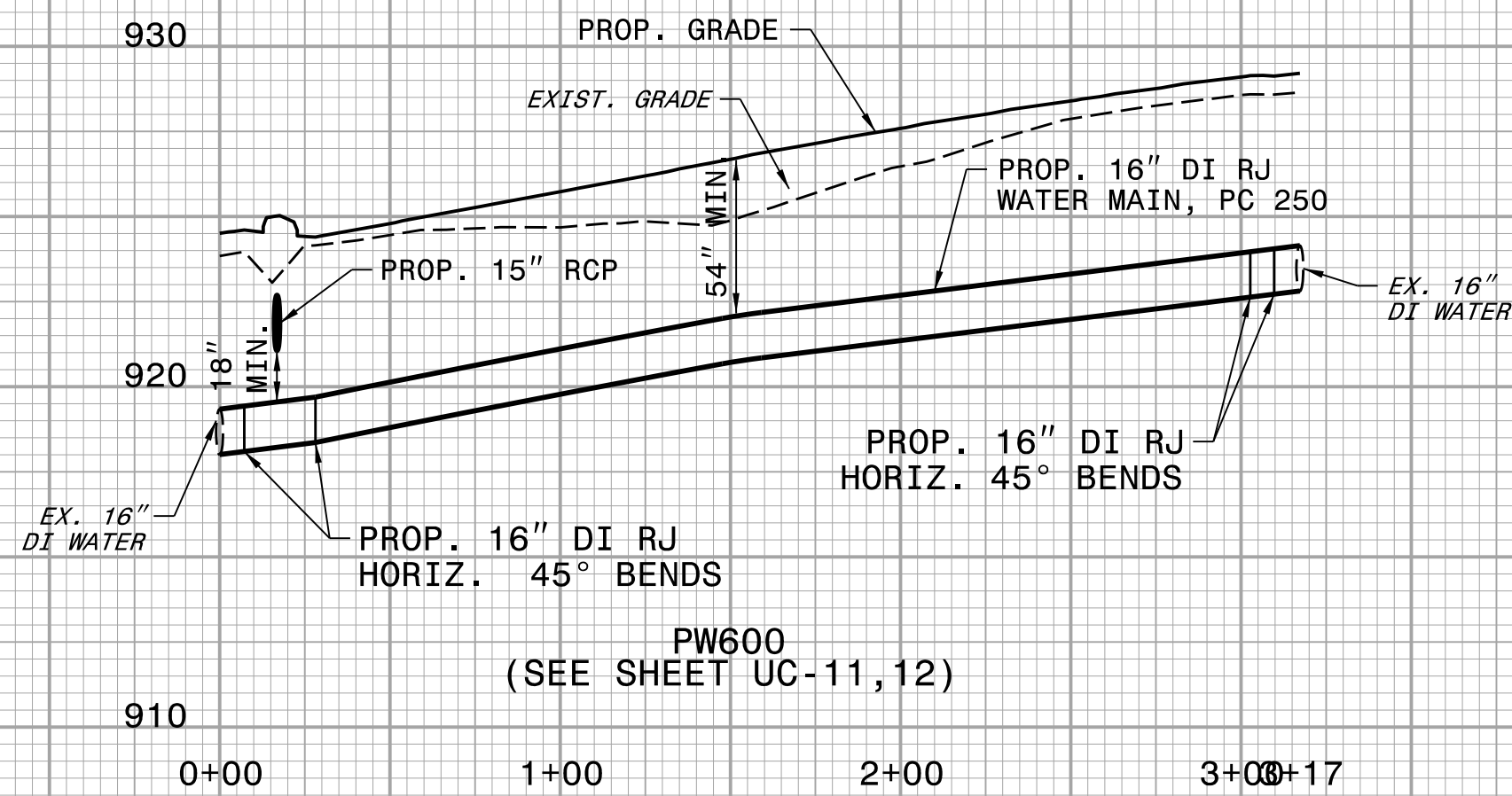
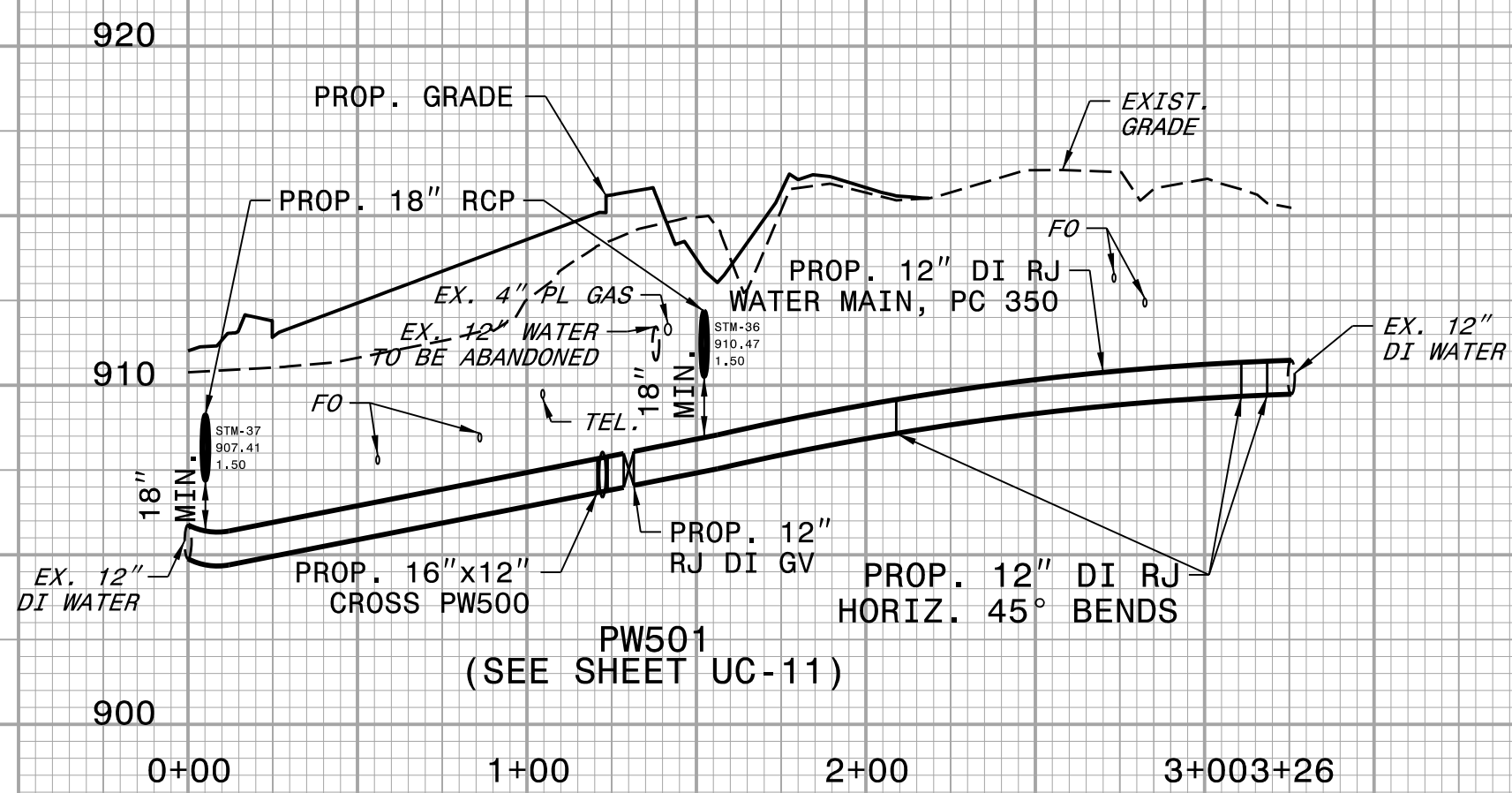
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-30	
DESIGNED BY: DMP		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16632 ENGINEER JAMES S. MOORE	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

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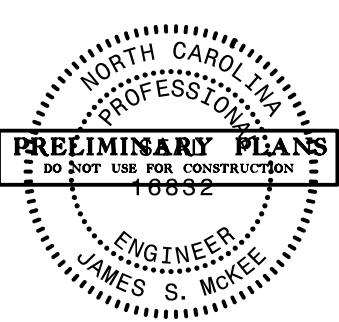
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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-31
DESIGNED BY: DMP	UTILITY CONSTRUCTION PLANS ONLY	
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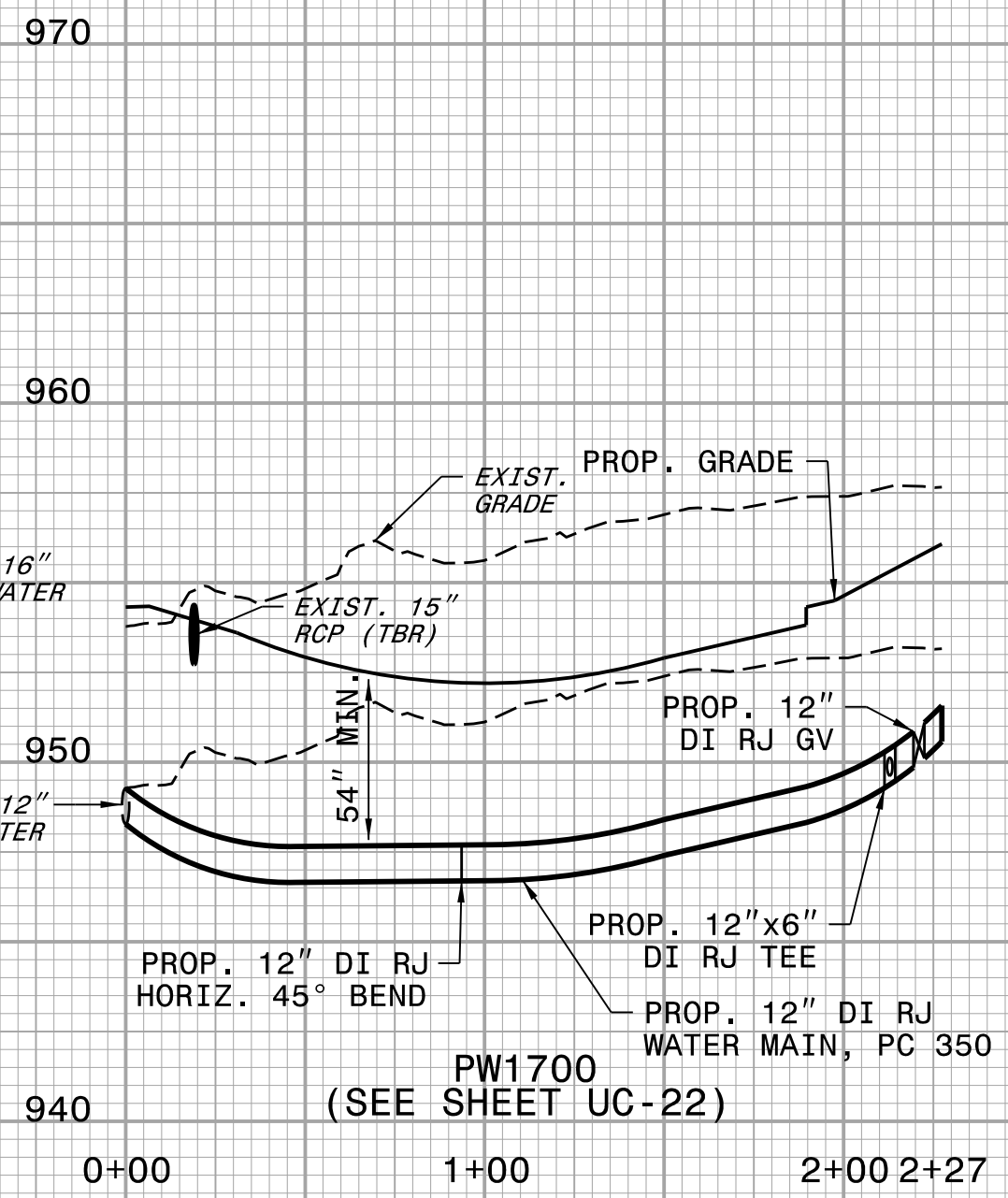
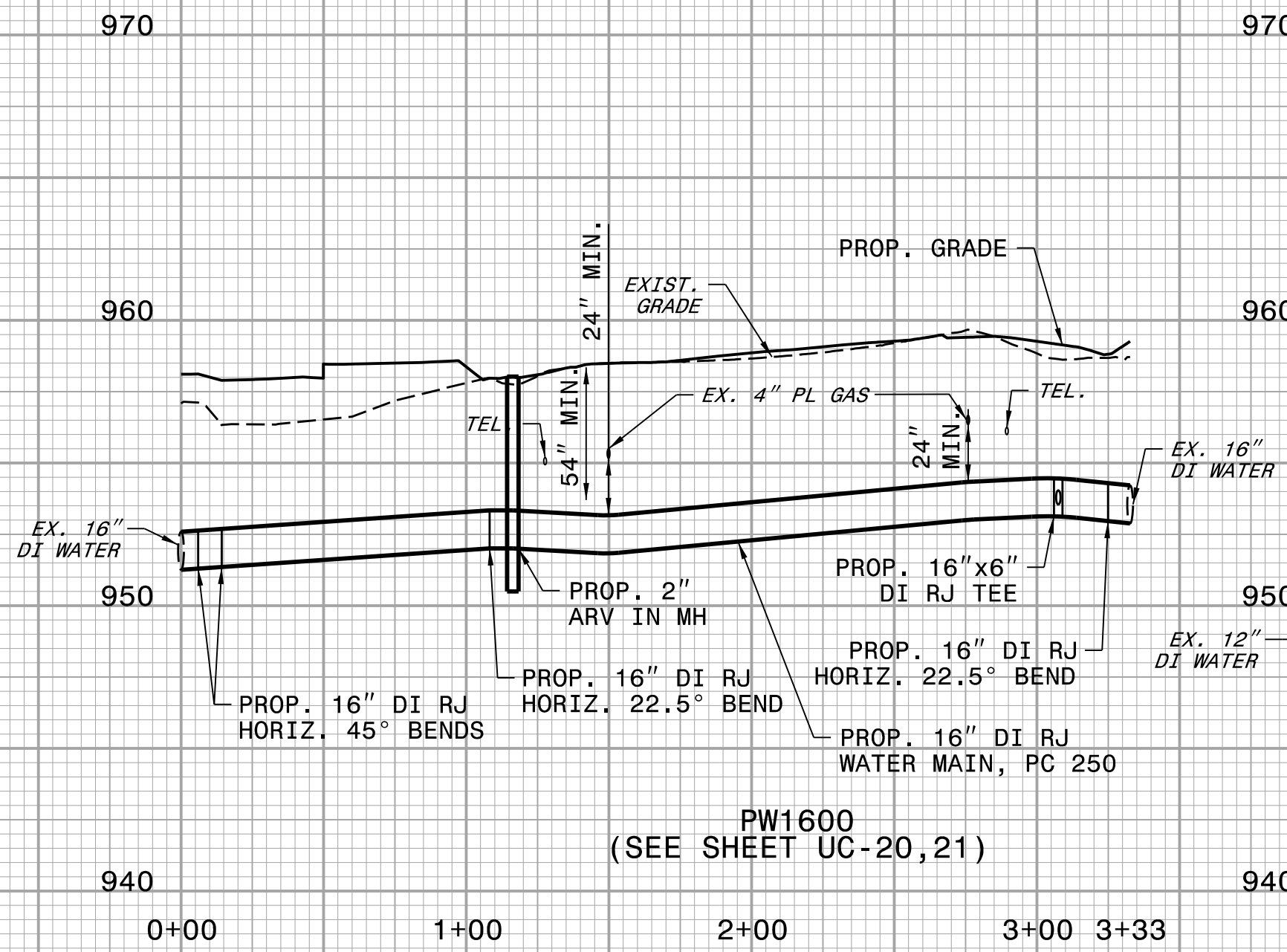
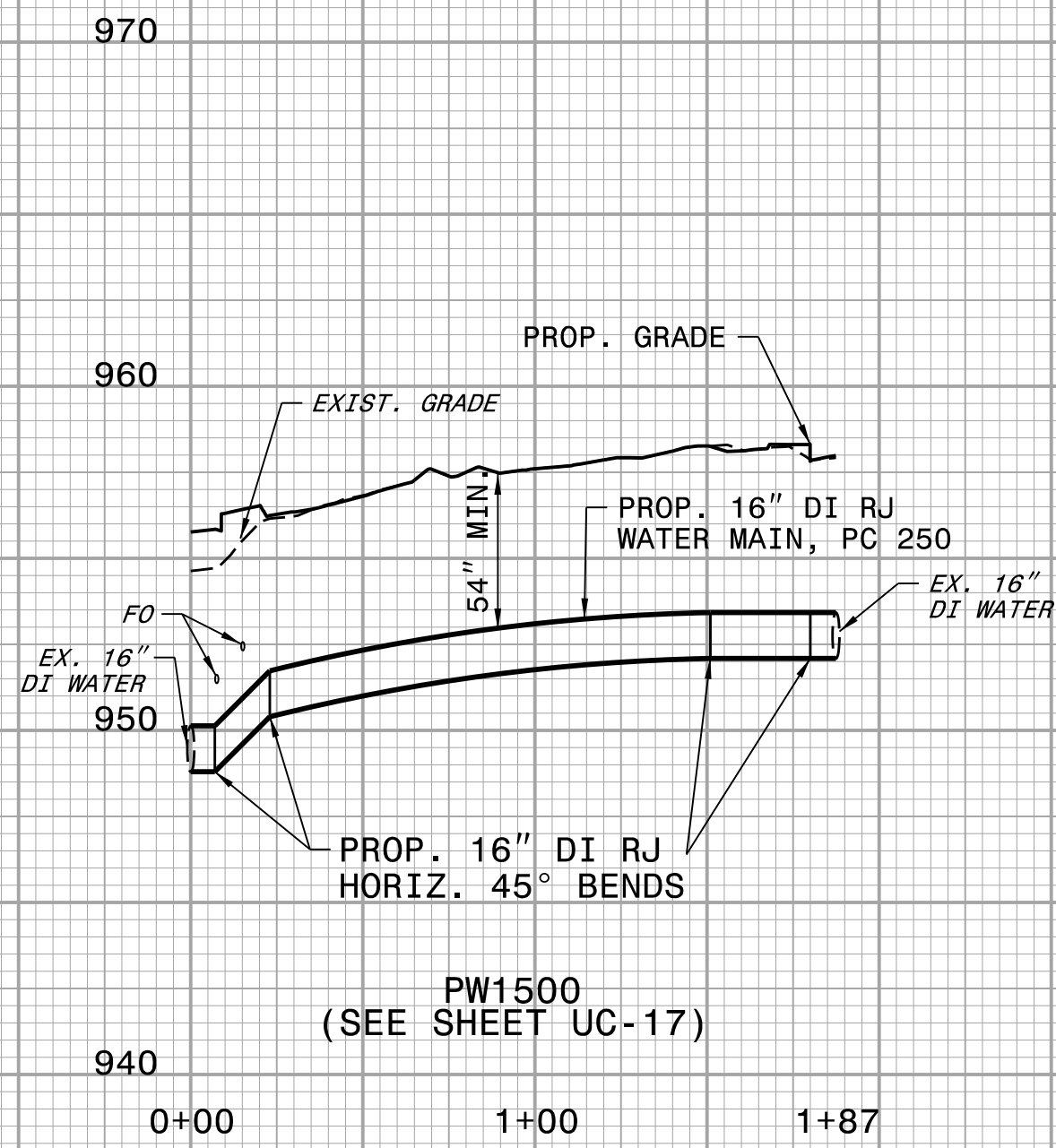
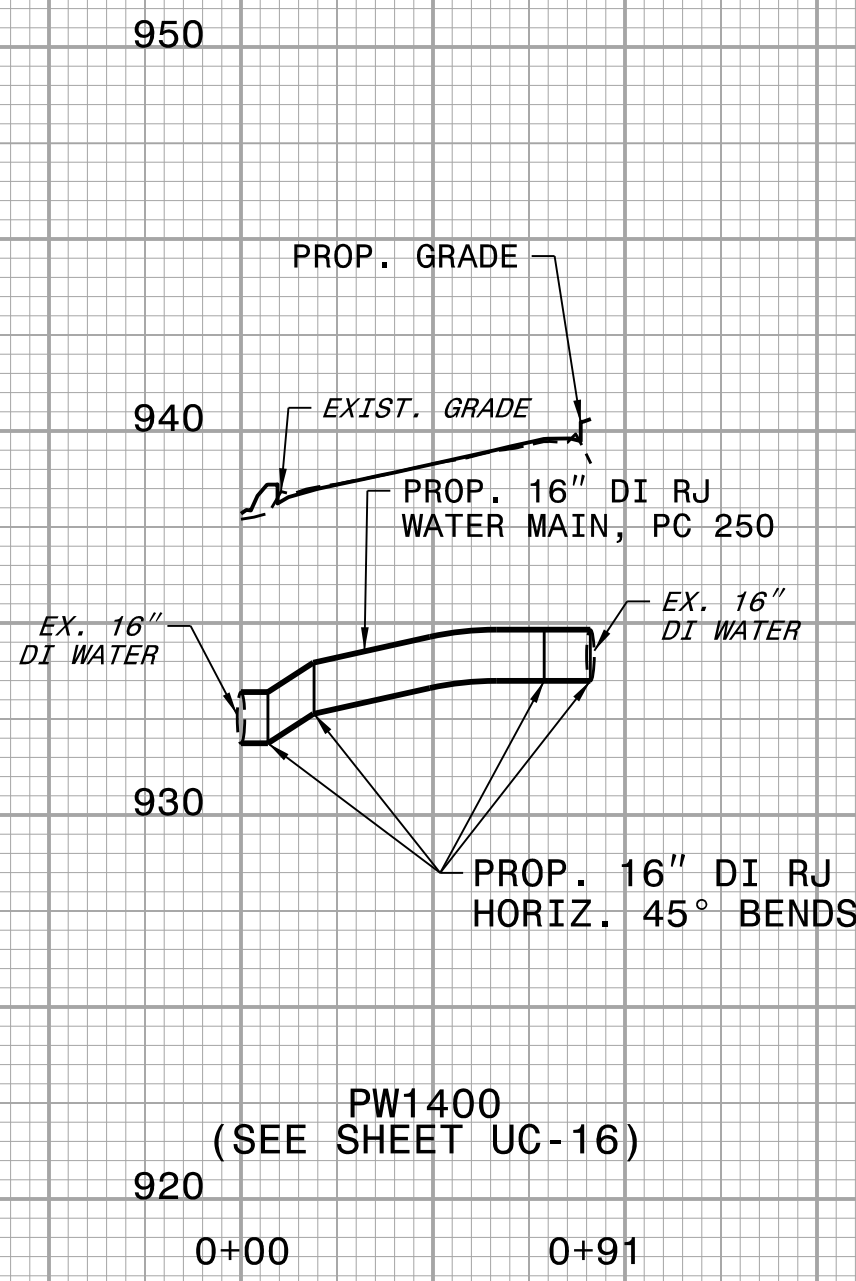
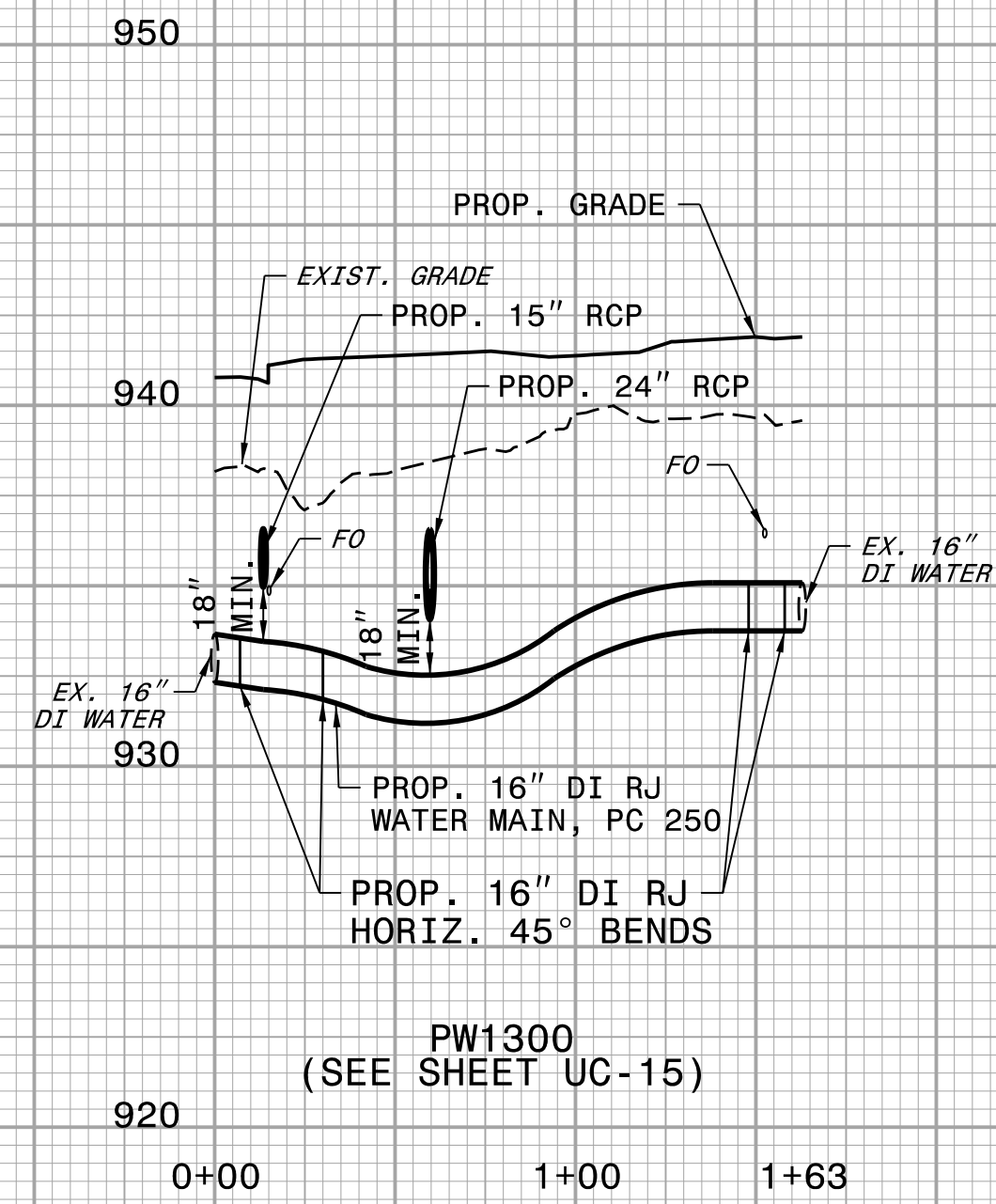
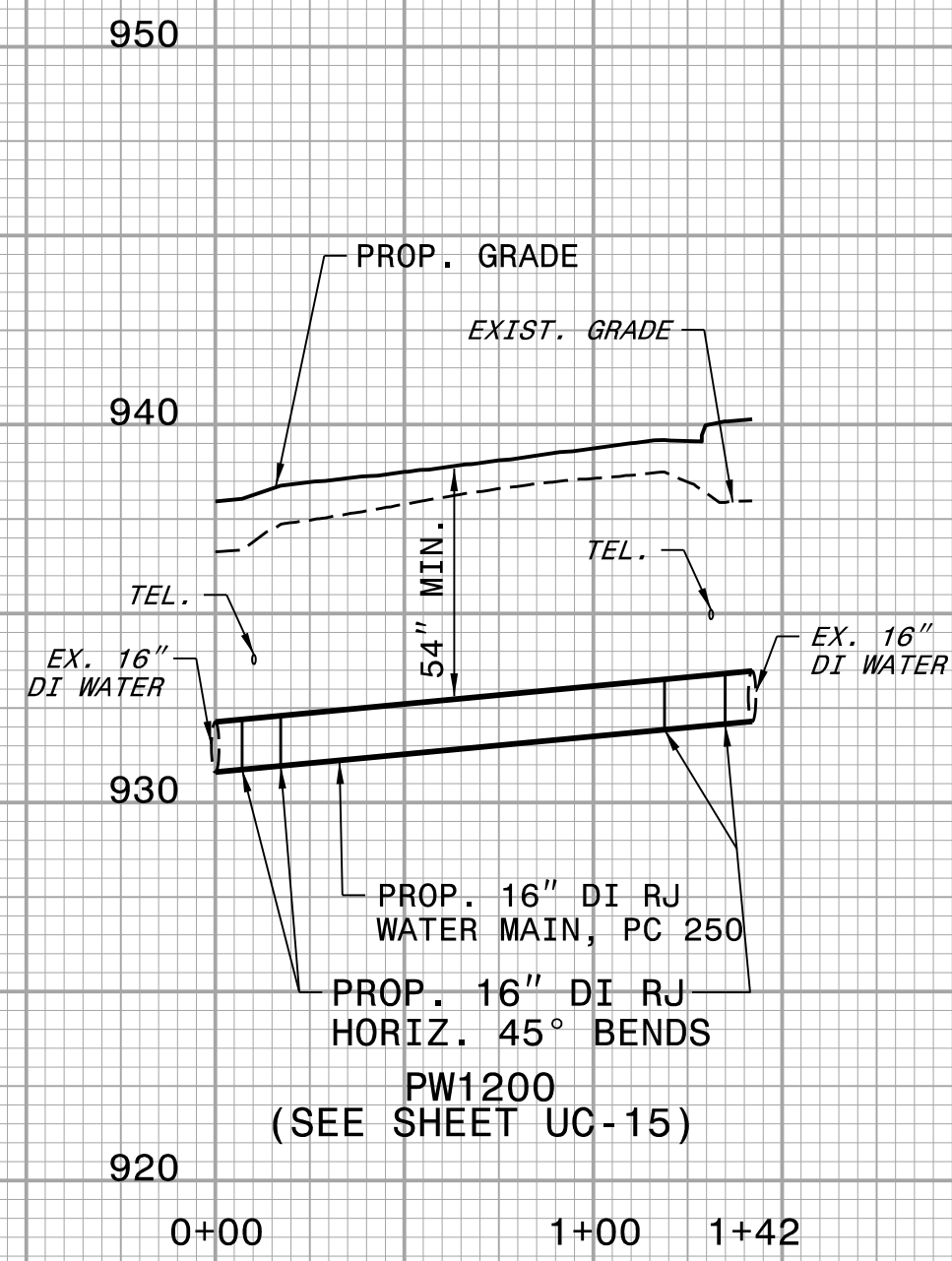
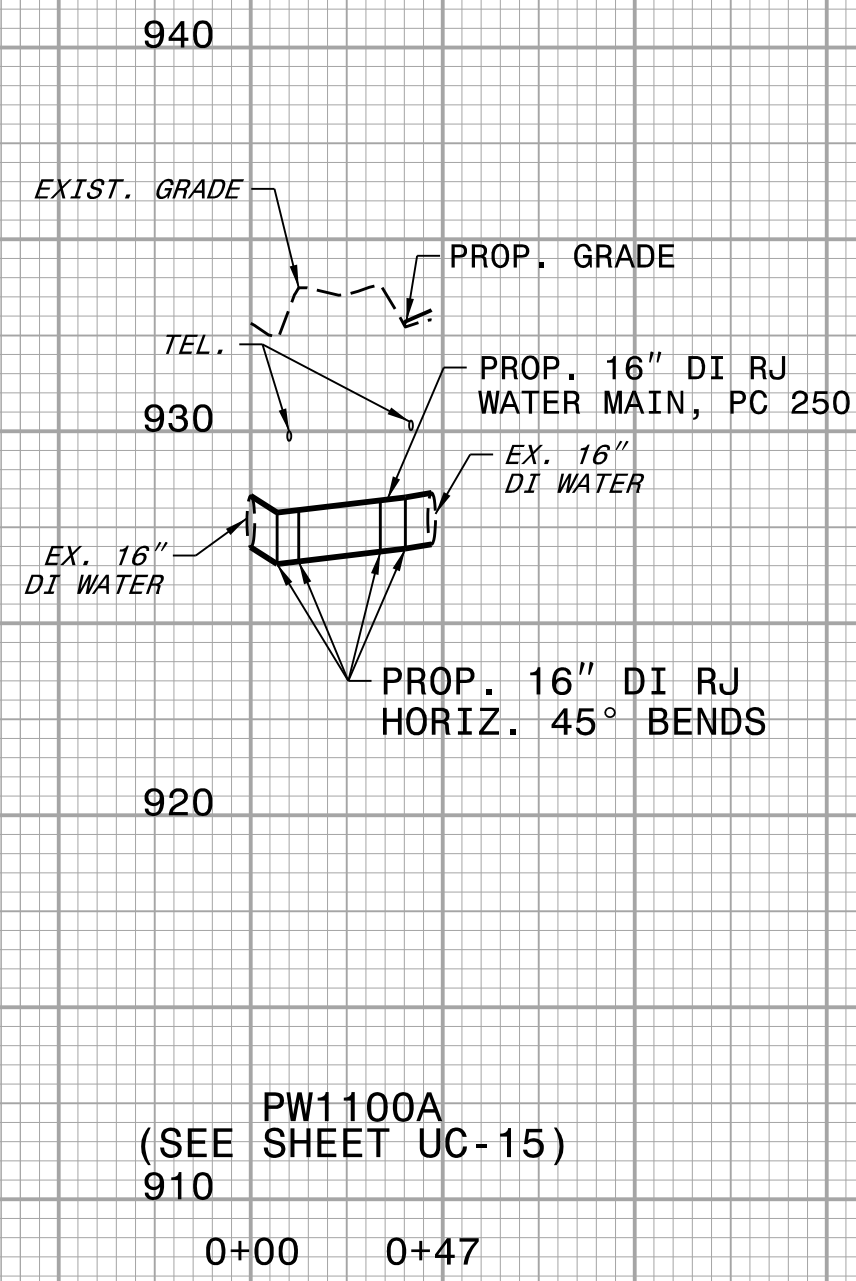
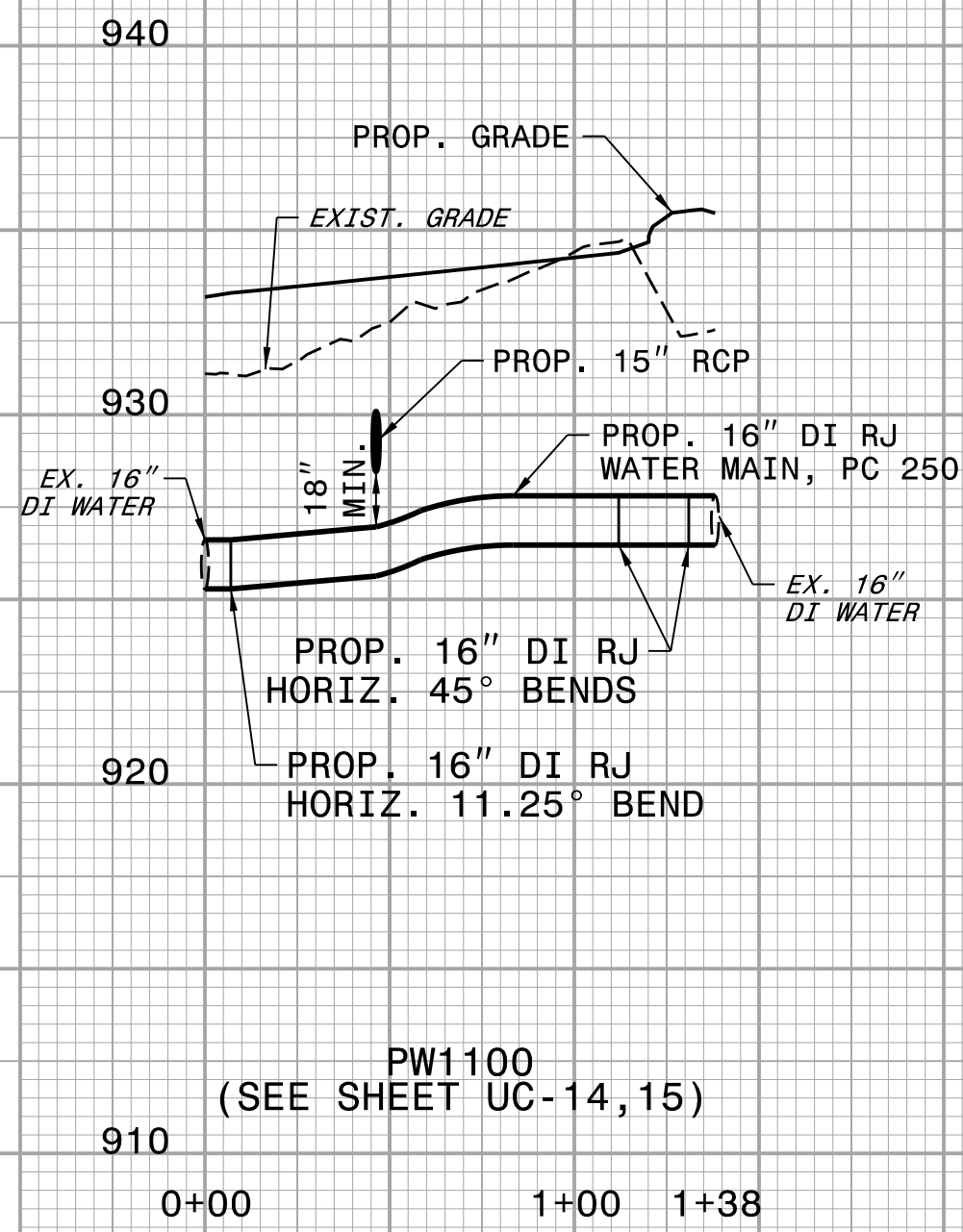


UTILITY CONSTRUCTION

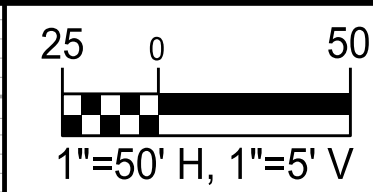
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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS



5/14/99



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-32
DESIGNED BY:	DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEER JAMES S. MOORE 16832
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:		
REVISED:		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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UTILITY AGREEMENT PLANS

PROP. 6" C900 PVC, DR 18 OR
6" DI RJ FORCE MAIN SEWER, PC 350

PROP. GRADE
(APPROX.)

EXIST. GRADE

EX. 6" DI FM

48" MIN.

EX. 6" DI FM

PROP. 6" DI RJ

HORIZ. 22.5° BENDS

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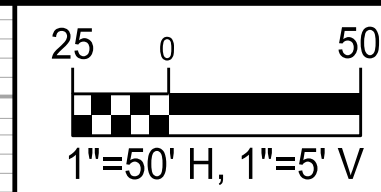
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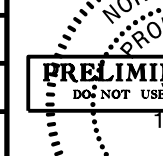
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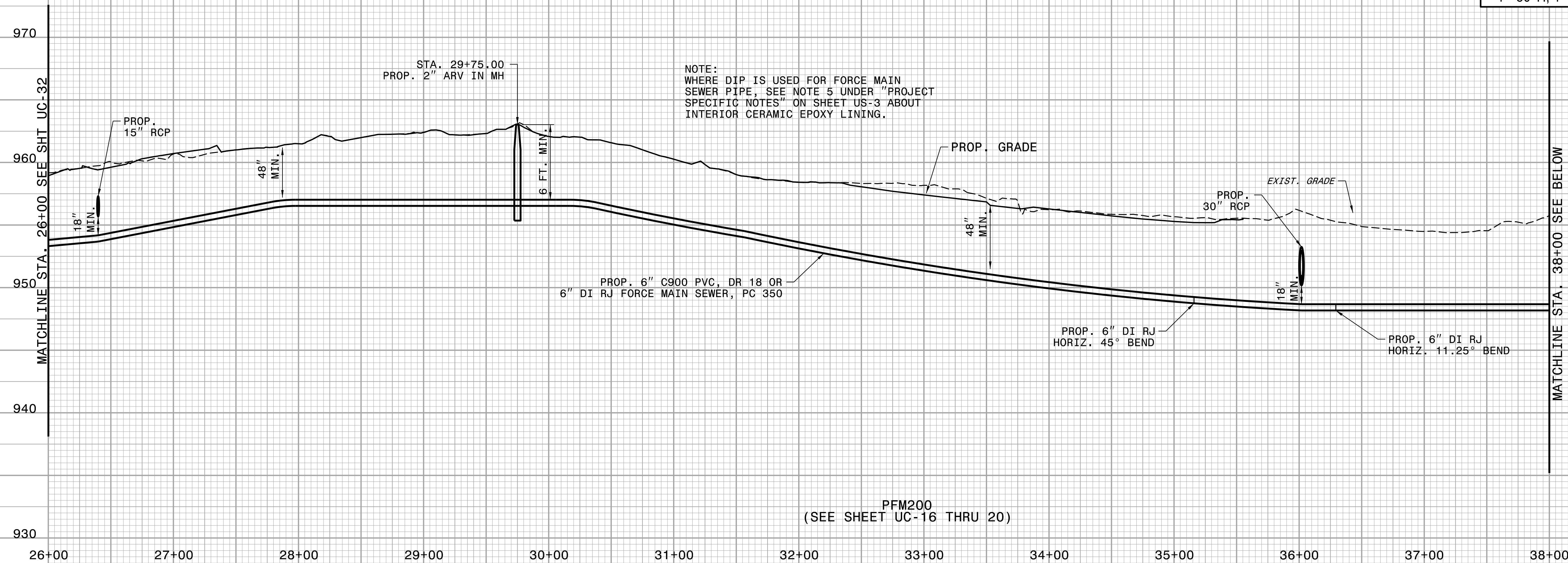
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-33	
DESIGNED BY: DMP			
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

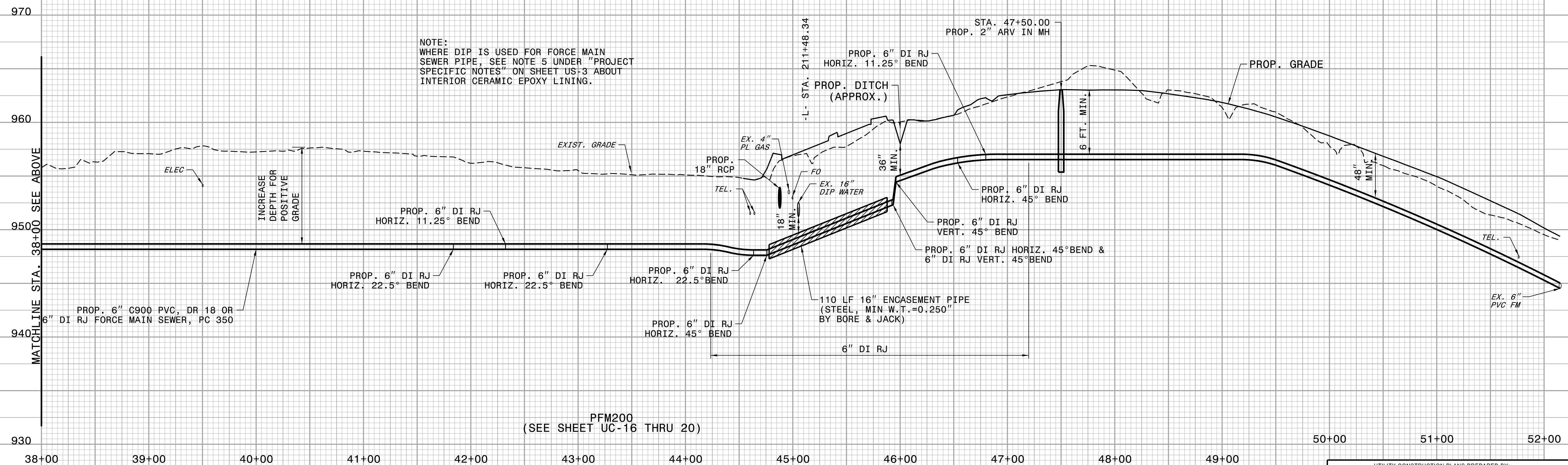
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PRELIMINARY PLANS

UTILITY AGREEMENT PLANS



PFM200
(SEE SHEET UC-16 THRU 20)



PFM200
(SEE SHEET UC-16 THRU 20)

UTILITY CONSTRUCTION PLANS PREPARED BY:

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
3415 OLD BLANKENBURG HIGHWAY, SUITE 100, CHARLOTTE, NC 28205

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



CITY OF HIGH POINT

AGENDA ITEM



TITLE:

Consideration of a Utility Agreement with North Carolina Department of Transportation

FROM:

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

MEETING DATE:

2/3/2025

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.

09/08/99

TIP PROJECT: U-4758

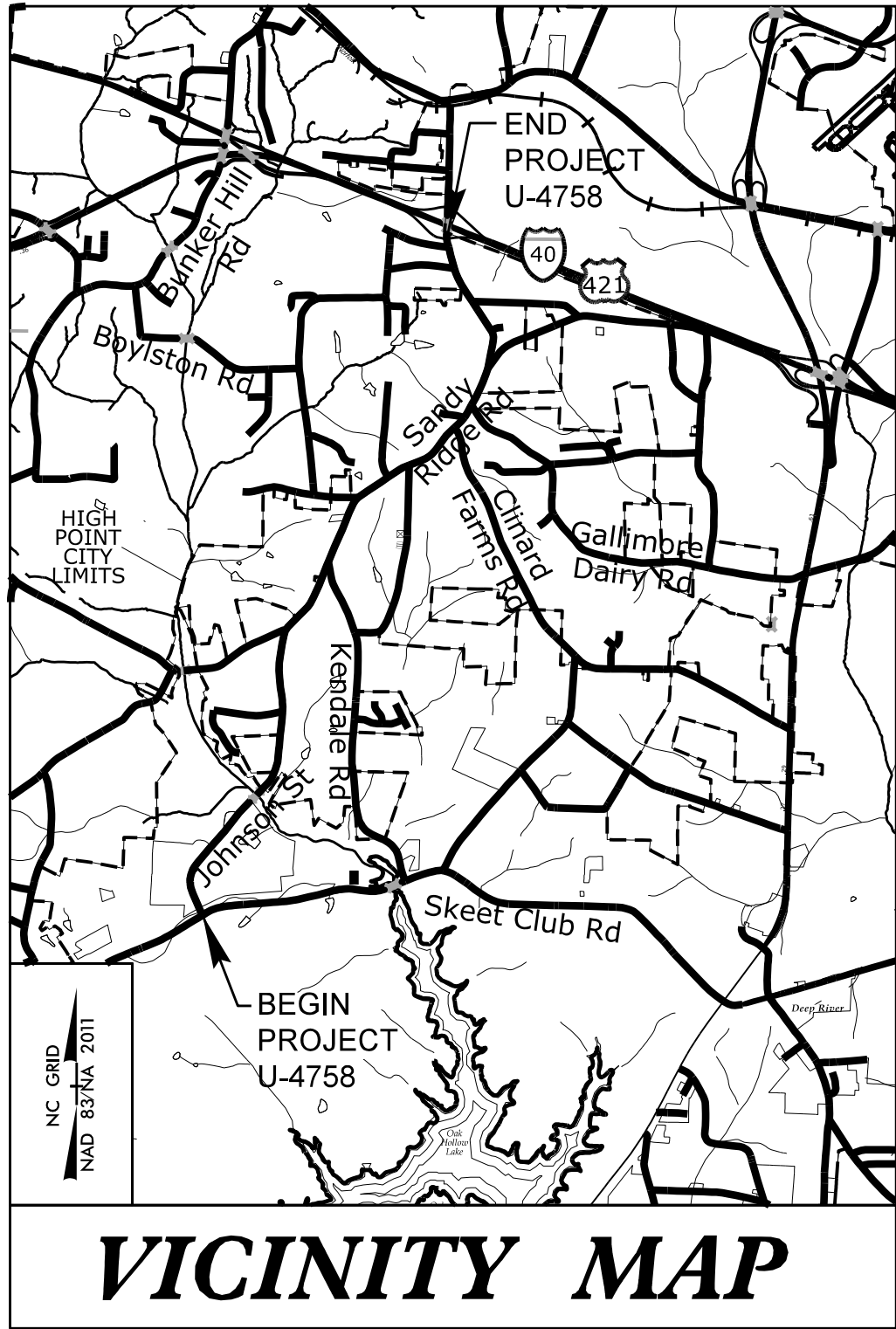
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

EXHIBIT A
AGREEMENT PLANS

COST BREAKDOWN LEGEND

STATE COST	
CITY OF HIGH POINT	

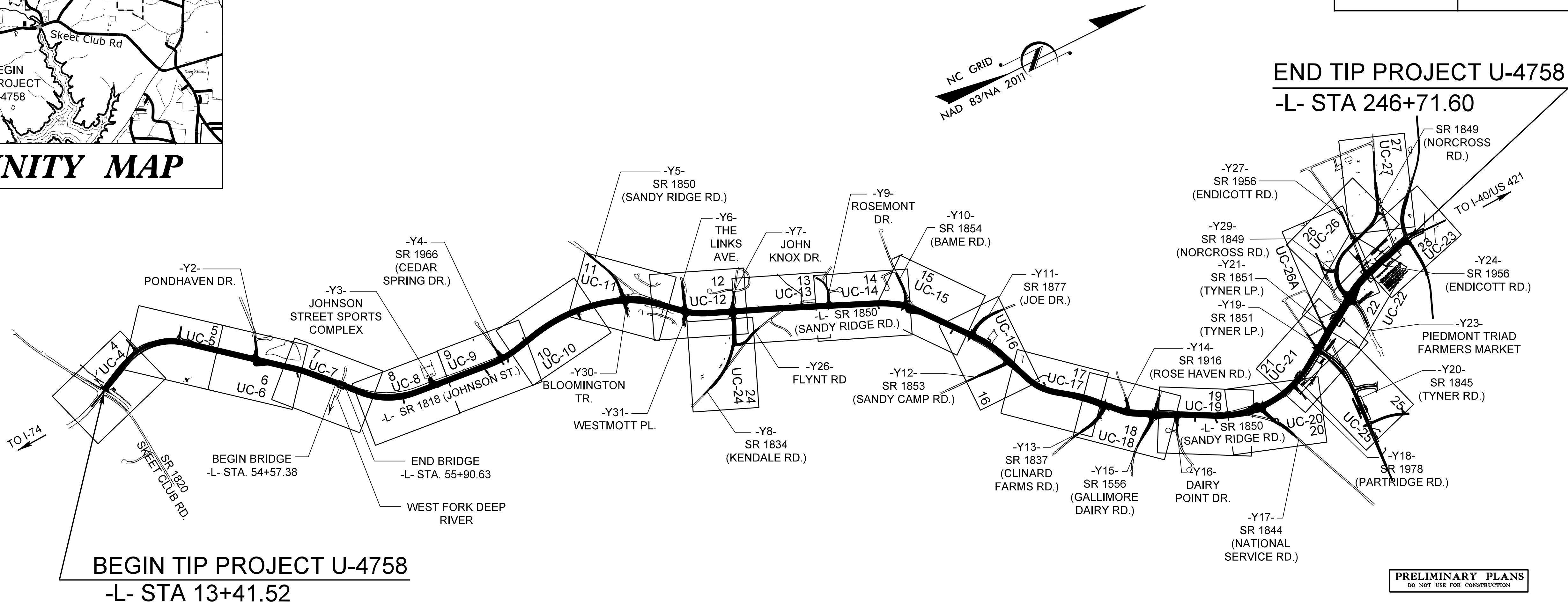


VICINITY MAP

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

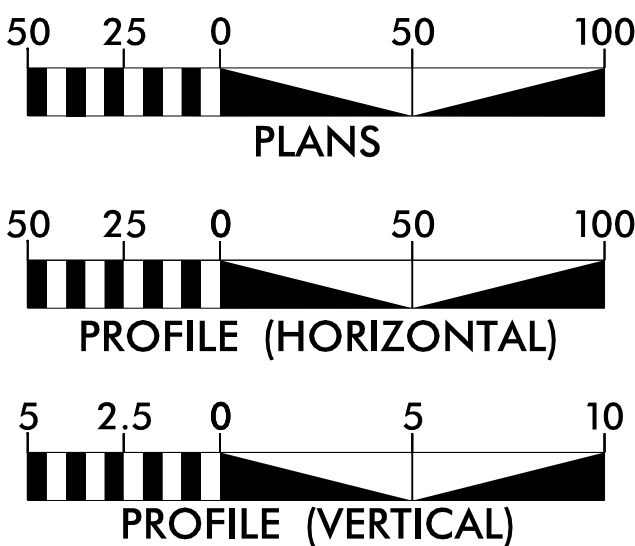


PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

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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

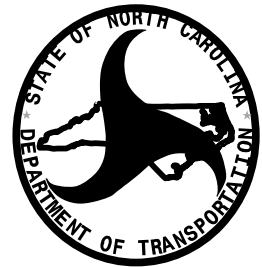
PREPARED IN THE OFFICE OF:

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: F-0245

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

SEAL



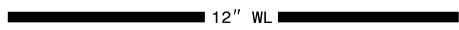
DIVISION OF HIGHWAYS
UTILITIES UNIT
1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

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

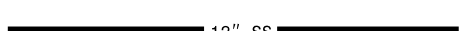
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

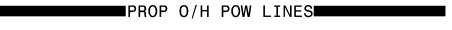
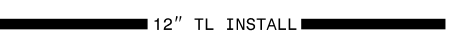
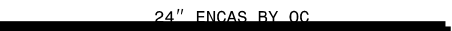
PROPOSED WATER SYMBOLS

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.

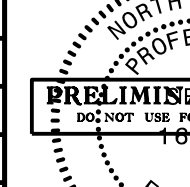
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER SERVICE TO CUSTOMERS WHEN EXISTING WATER MAINS HAVE TO BE SHUT DOWN FOR MORE THAN 8 HOURS, OR AS DIRECTED BY THE ENGINEER.

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		UTILITY CONSTRUCTION PLANS ONLY	
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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UTILITY AGREEMENT PLANS

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

NO OUTAGES FOR WATER LINE RELOCATION TIE INS SHALL BE CONDUCTED BETWEEN 6:30 PM AND 4:30 AM EVERY EVENING AND EARLY MORNING DAILY.

1. CONSTRUCT ALL WATER IMPROVEMENTS SOUTH OF BLOOMFIELD TR (UC-11) TO SKEET CLUB RD. NOTE: EXIST WV SOUTH OF BALLFIELD CAN BE USED TO PHASE THIS AREA IN HALF.

- A. INSTALL LINE STOP AND WV SOUTH OF BLOOMFIELD TRAIL ON JOHNSON ST.
 1. ENSURE WATER IS FED WEST OF JOHNSON ST DOWN SANDY RIDGE RD TO LEGACY AT SANDY RIDGE SUBDIVISION AND THE WESLEYAN ATHLETIC COMPLEX FROM THE NORTH
 2. ENSURE WATER IS FED EAST OF JOHNSON ST DOWN BLOOMFIELD TRAIL TO THE WESTMORELAND PLACE SUBDIVISION
 3. ENSURE WATER VALVE AT OWLS VIEW LAND IS CLOSED AND WATER IS SUPPLIED TO WESTMORELAND PLACE SUBDIVISION FROM BLOOMFIELD TRAIL
 - B. ENSURE WATER IS LOOPED AND FED INTO THE MEADOW CREEK SUBDIVISION FROM SKEET CLUB RD
 - C. COORDINATE ANY FUTURE TIE-INS WITH BECKETT TOWNES (UNDER CONSTRUCTION)
 - D. COORDINATE WITH COHP PARKS AND REC REGARDING WATER SHUT-OFF AT JOHNSON STREET ATHLETIC COMPLEX
 - E. MINIMAL IMPACTS TO RESIDENTS REGARDING WATER SHUTOFF
2. CONSTRUCT ALL WATER IMPROVEMENTS FROM THE BFV SOUTH OF WESTMOTT PL (AKA THE LINKS AVE) TO THE INTERSECTION OF SANDY RIDGE RD AND BLOOMFIELD TR.
- A. NOTE: BLOOMFIELD TR CAN BE SHUT OFF AT THE INTERSECTION OF STREAM EDGE PL AND THE VALVE AT SANDY RIDGE RD. WESTMORELAND PLACE SUBD WILL BE FED FROM THE WATER IN OWLS VIEW LANE.
 - B. CONNECT TO THE 12" WATERLINE AT BLOOMFIELD TR AND INSTALL 12" AND 16" LINES WITH VALVES TO SANDY RIDGE RD. PRESSURE TEST AND CHLORINATE. THIS WILL LIKELY BE AN OPEN CUT INSTALLATION.
 - C. TIE TO AND PLUG THE 12" WATERLINE ON SANDY RIDGE ROAD, THIS WILL REQUIRE A SHUTDOWN FOR WESLEYAN ATHLETIC COMPLEX AND LEGACY AT SANDY RIDGE SUBD (APPROX. 106 RESIDENTIAL HOUSES).
 - D. TIE TO AND PLUG 16" WATERLINES RUNNING NORTH/SOUTH ALONG JOHNSON ST
 - E. RUN TEMP. SERVICE TO AMBULANCE (2011 SANDY RIDGE ROAD) IF LONGTERM SHUTDOWN IS REQUIRED.
3. CONSTRUCT ALL WATER IMPROVEMENTS FROM JUST SOUTH OF JOHN KNOX DRIVE (PRIVATE) AKA KENDALE DRIVE NEW ALIGNMENT TO THE WATER VALVE JUST SOUTH OF WESTMONT PLACE (EXST BFV)
- A. A JUMPER HOSE MAY BE REQUIRED TO FEED THE PRIVATE PORTION OF THE LANDING AT WESTMONT S/D. RECOMMEND CONNECTING TO THE FH ON KENDALE ROAD AND RUNNING IT BETWEEN UNITS 2183/2175 (~350') IF UNEXPECTED CIRCUMSTANCES ARE ENCOUNTERED.
4. CONSTRUCT ALL WATER IMPROVEMENTS ALONG KENDALE ROAD
- A. ENSURE ALDERBROOK SUBDIVISION IS LOOPED AND FED THRU LILLIEFIELD SUBDIVISION FROM BARROW RD
 - B. SHUTOFF IMPACTS TO 4515 AND 4517 KENDALE RD, LIKELY 1-3 DAYS DURING DAYTIME.
5. CONSTRUCT ALL WATER IMPROVEMENTS FROM JUST NORTH OF ROSEMONT DRIVE TO JUST SOUTH OF JOHN KNOX DRIVE (PRIVATE)
- A. INSTALL LINE STOP AND NEW WV BETWEEN JOHN KNOX DRIVE AND THE LINKS DRIVE
 - B. INSTALL LINE STOP AND NEW WV JUST NORTH OF ROSEMONT DRIVE
 - C. ENSURE THAT WATER IS BEING FED INTO RIVER LANDING FROM THE LINKS DRIVE. CLOSE WV FEEDING INTO JOHN KNOX DR.
 - D. CLOSE VALVE FEEDING INTO ROSEMONT DR AND ENSURE SADDLEBROOK SUBDIVISION IS BEING FED FROM BAME RD.
 - E. CONSTRUCT IMPROVEMENTS
 - F. ISSUE FOR WATER SERVICE AT COMMERCIAL BUILDING SOUTH OF ROSEMONT DRIVE ON THE WEST SIDE (2109 SANDY RIDGE RD). POSSIBLE IMPACTS COULD BE FOR MULTIPLE DAYS, ADD A 16" LINE STOP AND/OR 16" TO REDUCE THE IMPACTS WHEN PRESSURIZED FROM THE NORTH.
6. CONSTRUCT ALL WATER IMPROVEMENTS ALONG BAME ROAD AND SANDY RIDGE RD FROM JUST NORTH OF JOE DRIVE TO ROSEMONT DRIVE
- A. INSTALL LINE STOP ON THE EAST SIDE OF 8610 BAME RD WATER SERVICE
 - B. SHUT THE NORTHWEST WATER SYSTEM VALVE IN SANDY RIDGE RD
 - C. SHUT THE EXISTING BUTTERFLY VALVE JUST NORTH OF JOE DRIVE. THE OPEN/CLOSE ON WHEEL IS POSSIBLY REVERSED.
 - D. INSTALL LINE STOP AND NEW 16" WV NORTH OF THE FIRE STATION (2127) TO KEEP THEIR WATER SERVICE FLOWING
 - E. CONSTRUCT THE LOWERING OF THE WATER ON BAME RD
 - F. ENSURE THAT THE 16" WATER IS BEING FED THRU THE SADDLEBROOK SUBDIVISION 8" WATER LINE. THIS WILL ALLOW FLOWS TO NORTHBOROUGH SUBD, DEERFIELD CROSSING SUBD, GRAYS LANDING APTS IN KERNSERVILLE AT I-40, AND THE NEW INDUSTRIAL PIEDMONT COMMERCE DEVELOPMENTS. IT IS LIKELY POSSIBLE THAT WATER CAN ALSO BE SUPPLIED TO THESE DEVELOPMENTS FROM THE NEW GALLIMORE DAIRY RD EXTENSION PROJECT.
 - G. REDUCED FIRE FLOWS, MINIMAL IMPACTS TO WATER SERVICE
7. CONSTRUCT ALL WATER IMPROVEMENTS FROM SANDY CAMP RD TO JUST NORTH OF JOE DR
- A. SHUTOFF WV NORTH OF JOE DR (THE OPEN/CLOSE ON WHEEL IS POSSIBLY REVERSED) AND SHUTOFF WV ON THE WEST SIDE OF SANDY CAMP RD IN FRONT OF THE WATER TANK.
 - B. IMPACTS TO NCDOT MAINT YARD (DEPT OF CORRECTIONS) WILL LIKELY BE 1-2 DAYS DURING DAYTIME HOURS TO CONSTRUCT THE WATER IMPROVEMENTS ALONG SANDY CAMP RD

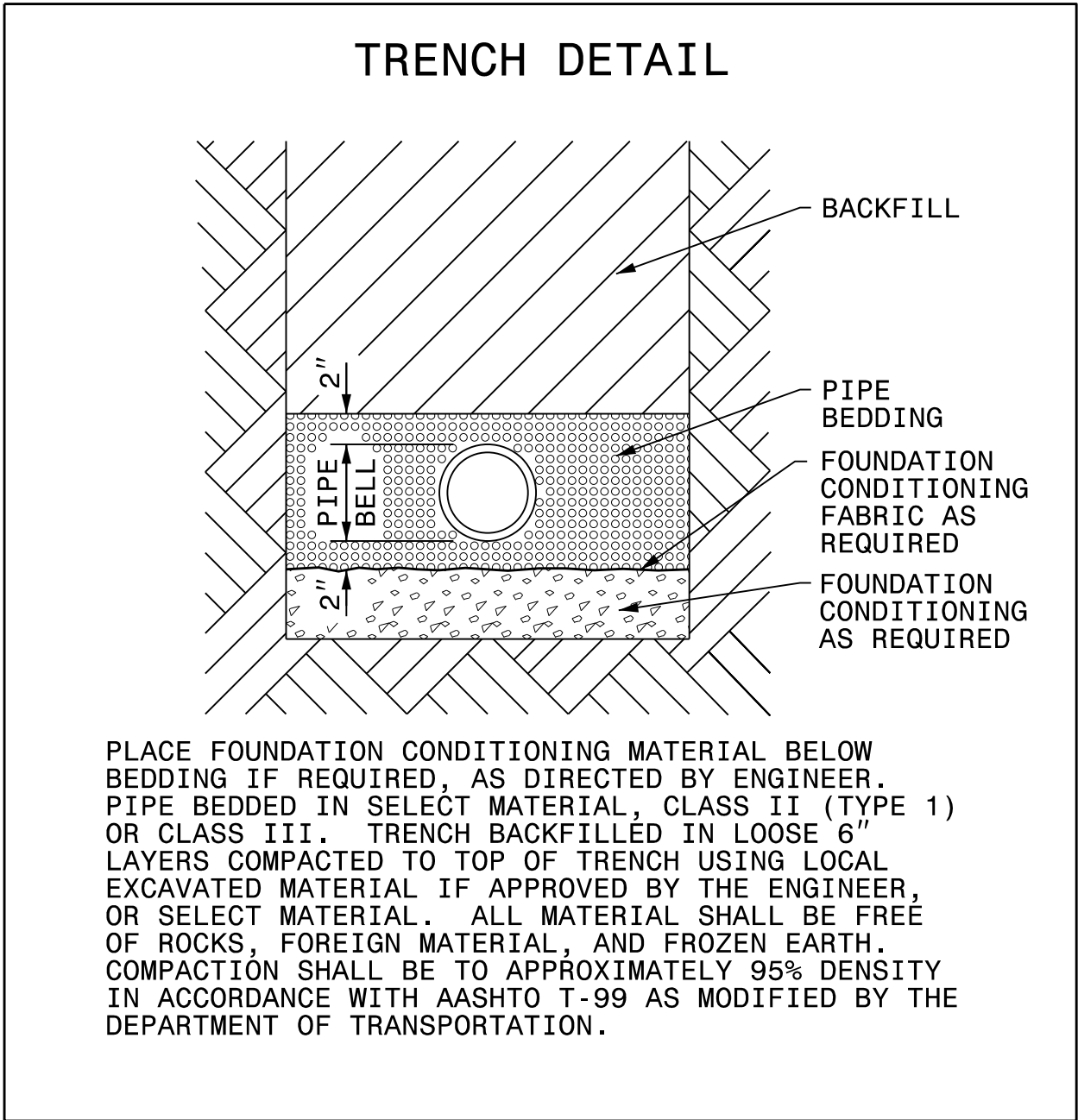
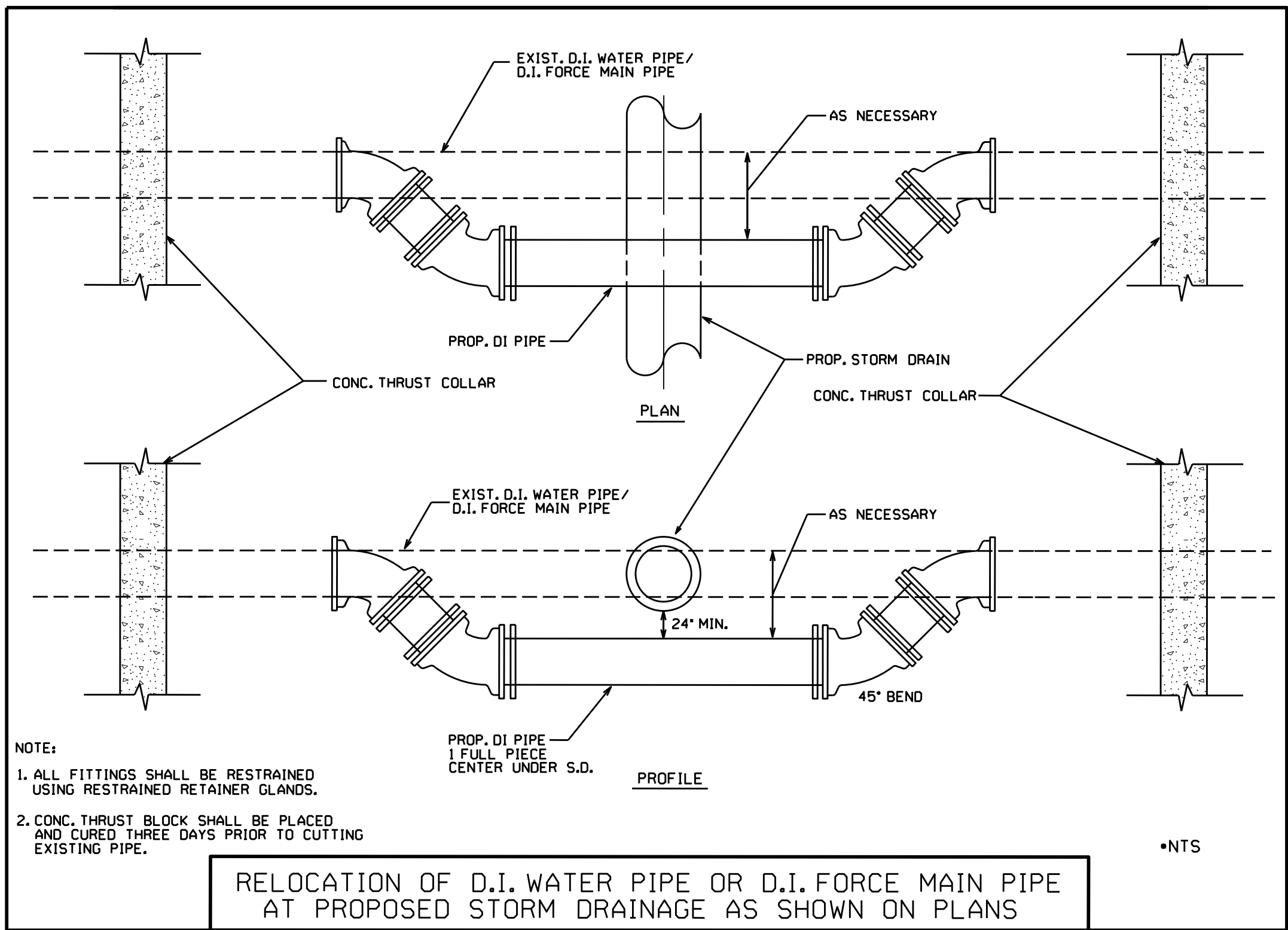
8. CONSTRUCT ALL WATER IMPROVEMENTS FROM GALLIMORE DAIRY RD TO SANDY CAMP RD

- A. IMPACTS TO 2406 SANDY RIDGE RD WATER SERVICE (RESIDENTIAL) CAN BE MITIGATED BY CLOSING THE EXISTING VALVE NORTH OF CLINARD FARMS ROAD AND LEAVING THE WATERLINE PRESSURIZED FROM SANDY RIDGE RD TO THE PROPOSED LINE STOP AND WATER VALVE SOUTH OF TYNER RD SINCE NO SHUTDOWN IS ANTICIPATED FOR THIS AREA
 - B. INSTALL LINE STOP AND WATER VALVE ON THE SANDY CAMP RD EASTERN WATERLINE
 - C. CONSTRUCT WATER IMPROVEMENTS BETWEEN SANDY CAMP RD AND CLINARD FARMS RD
 - D. INSTALL LINE STOP AND WATER VALVE JUST NORTH OF GALLIMORE DAIRY RD AND JUST NORTH OF THE EXISTING FIRE HYDRANT
 - E. CONSTRUCT WATER IMPROVEMENTS BETWEEN CLINARD FARMS RD AND GALLIMORE DAIRY RD.
 - F. MINIMAL IMPACTS TO WATER SERVICE
9. CONSTRUCT ALL WATER IMPROVEMENTS FROM TYNER RD TO JUST SOUTH OF DAIRY POINT DR
- A. CLOSE THE EXISTING 2 WATER VALVES AT TYNER RD. A JUMPER HOSE WILL BE REQUIRED (~85') TO PROVIDE WATER SERVICE TO THE NORTHERN PORTION OF SANDY RIDGE RD. THE JUMPER HOSE SHOULD BE RIGGED FROM FH TO FY AT THE OLD TYNER RD INTERSECTION.
 - B. INSTALL LINE STOP AND INSTALL WATER VALVE NORTH OF GALLIMORE DAIRY RD
 - C. INSTALL JUMPER HOSE FROM THE FH NORTH OF GALLIMORE DAIRY RD TO THE FH ON DEVANE CT, APPROX 200' AND ENERGIZE IT. CLOSE THE VALVE AT DAIRY POINT DR NEAR SANDY RIDGE RD. ANOTHER OPTION WOULD BE TO INSTALL AN ADDITIONAL LINE STOP NORTH OF DAIRY POINT AND ENSURE THAT FRAZIER DOWNS IS FED FROM THE SOUTH.
10. CONSTRUCT ALL WATER IMPROVEMENTS ALONG TYNER ROAD
- A. ENSURE WATER IS FED TO FARMERS MARKET FROM SANDY RIDGE RD
 - B. WILL REQUIRE COORDINATION WITH FARMERS MARKET FOR TURNING OF INTERNAL VALVES
 - C. UNKNOWN TAP LOCATION OF 2914 OPEN BAY BUILDING
11. CONSTRUCT ALL WATER IMPROVEMENTS NORTH OF TYNER RD
- A. ENSURE FARMERS MARKET WATER IS LOOPED AND FED FROM TYNER RD CONNECTION
 - B. COORDINATE WATER SHUTOFF WITH CHEERWINE AS REQUIRED
 - C. TYNER LOOP (WEST) WILL BE FED FROM THE SOUTH (HOME DETECTIVE BUILDING)
 - D. MINIMAL IMPACTS DUE TO FEW IMPROVEMENTS MADE WITHIN THIS AREA

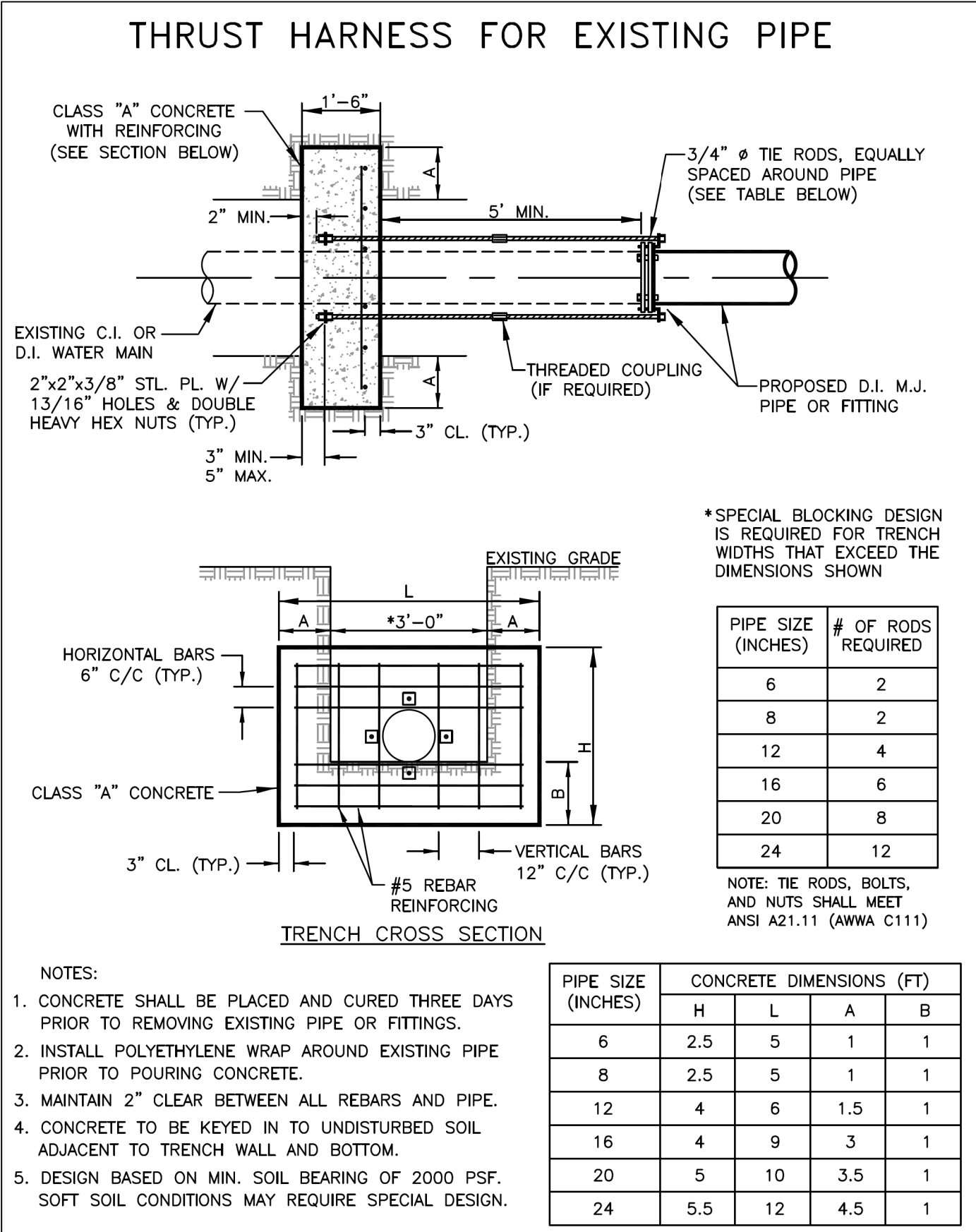
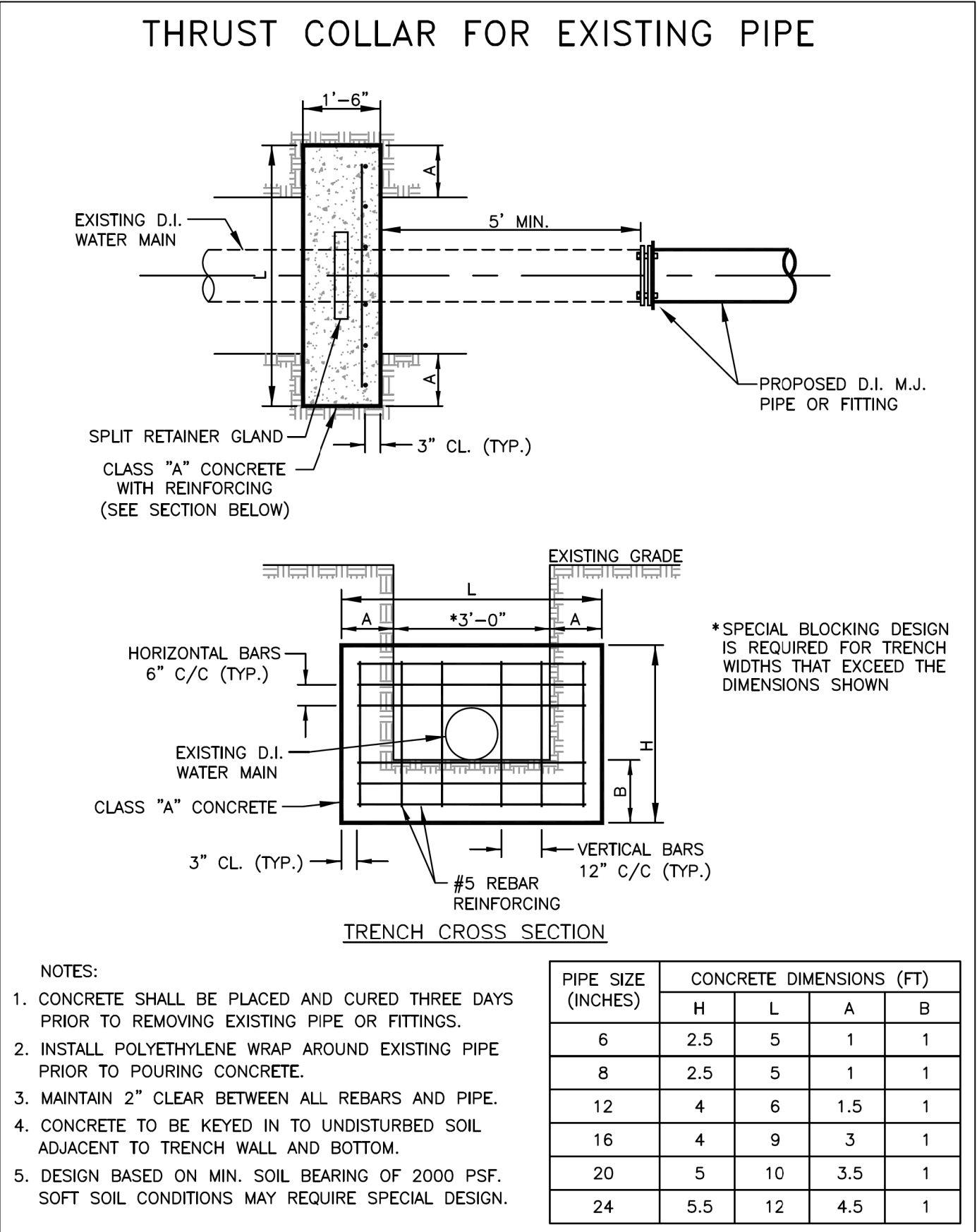
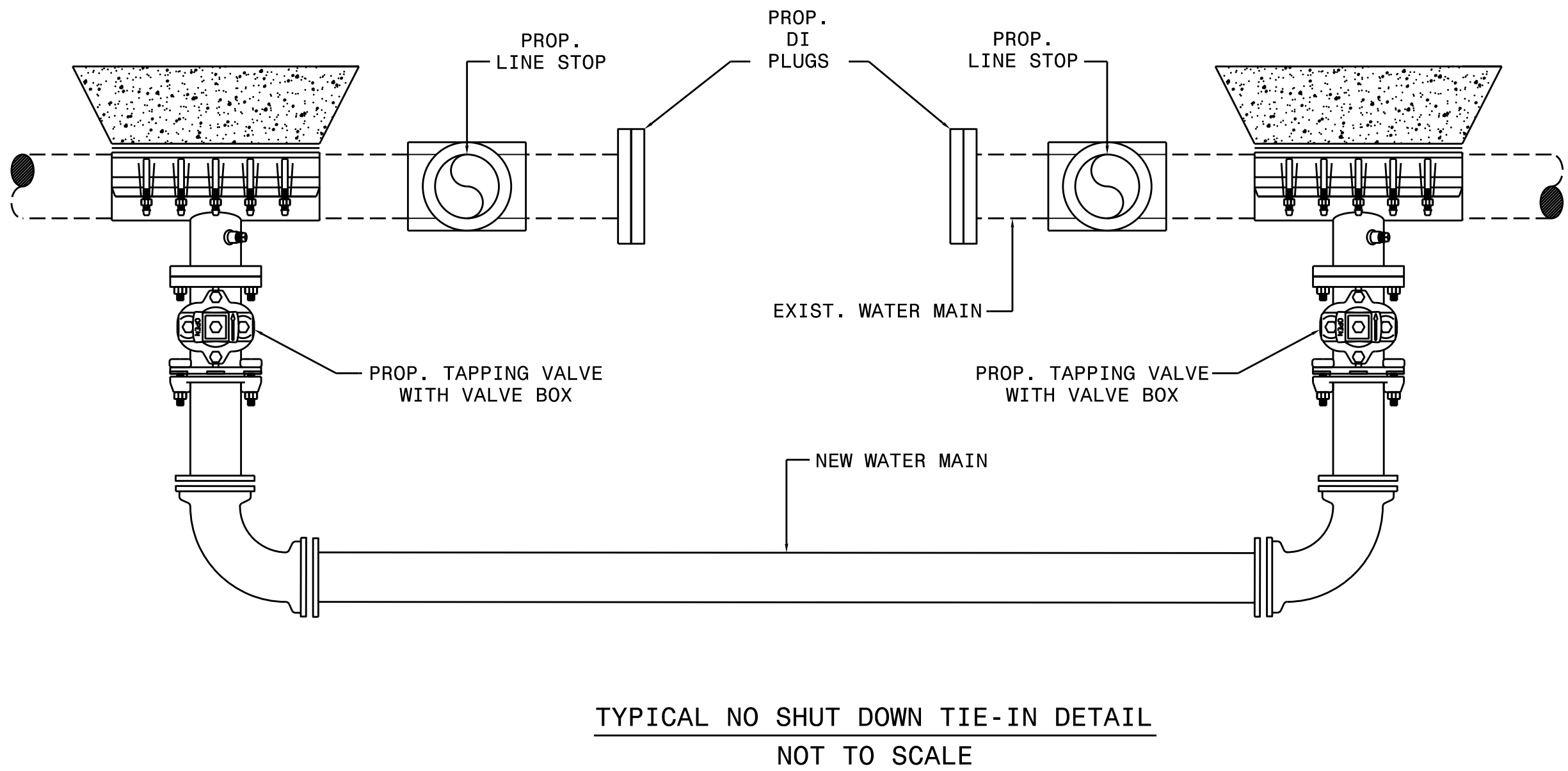


6415 OLD PLANK RD, HIGH POINT, NC 27262
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

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.		SHEET NO.
U-4758		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

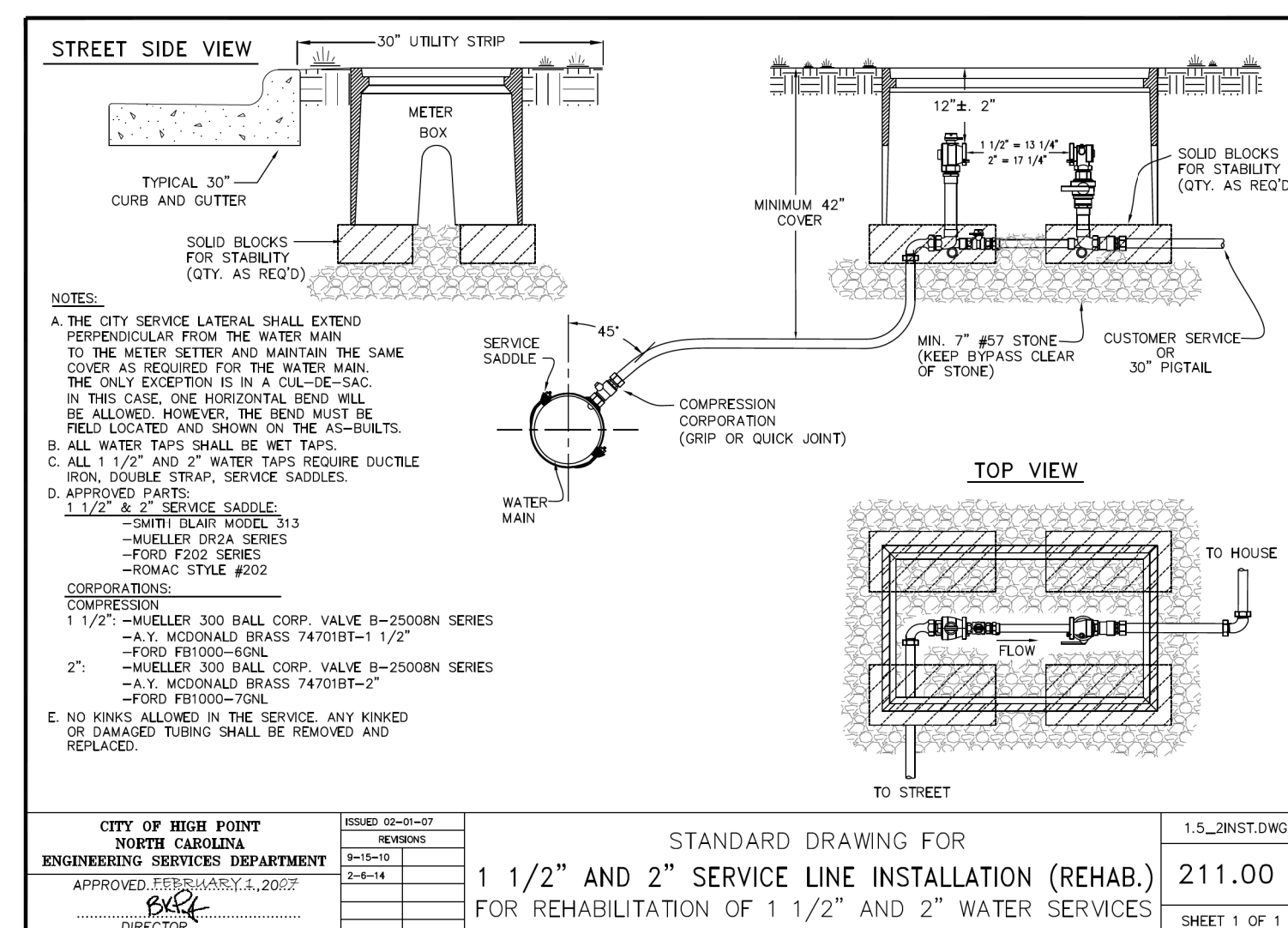
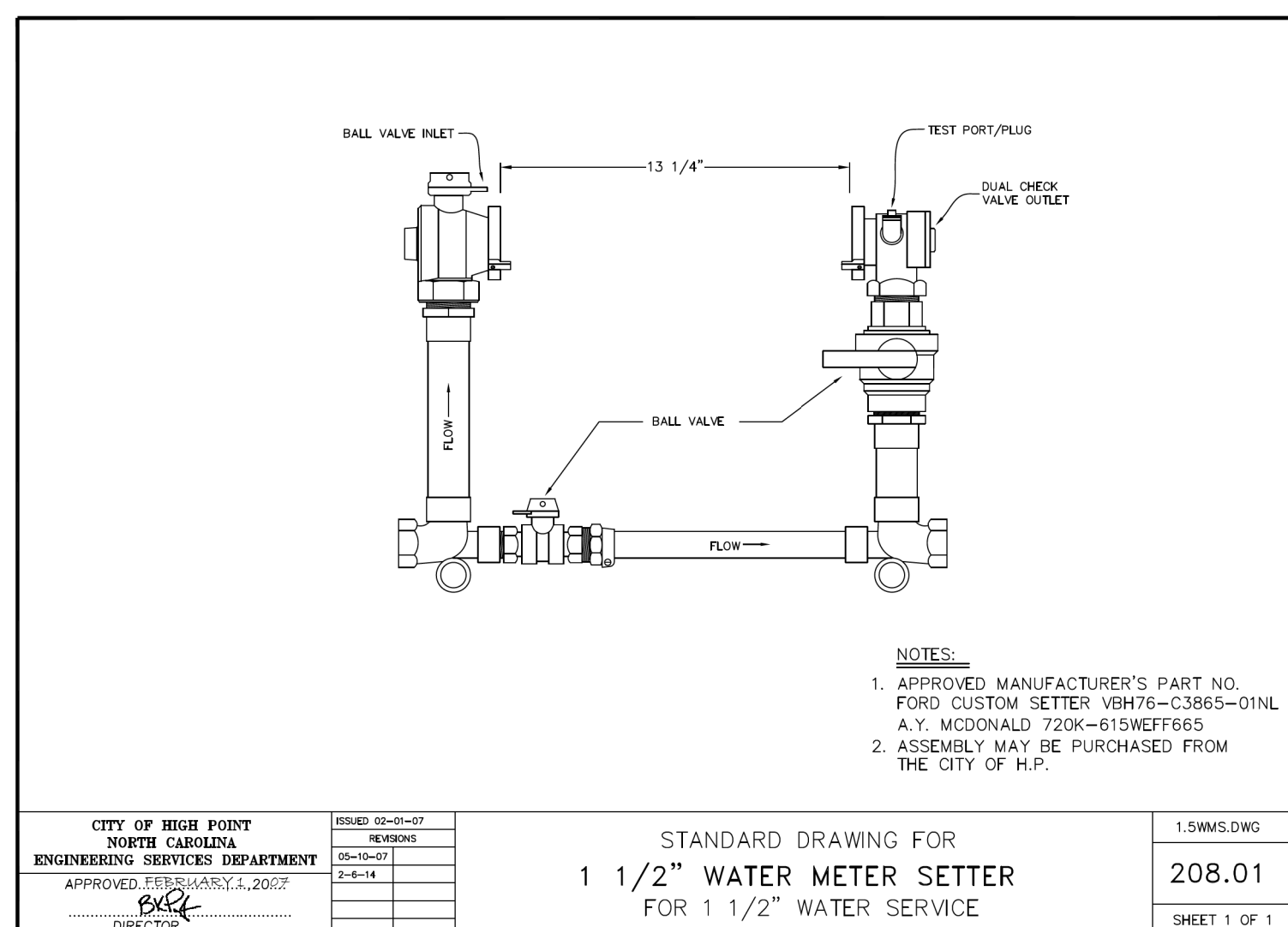
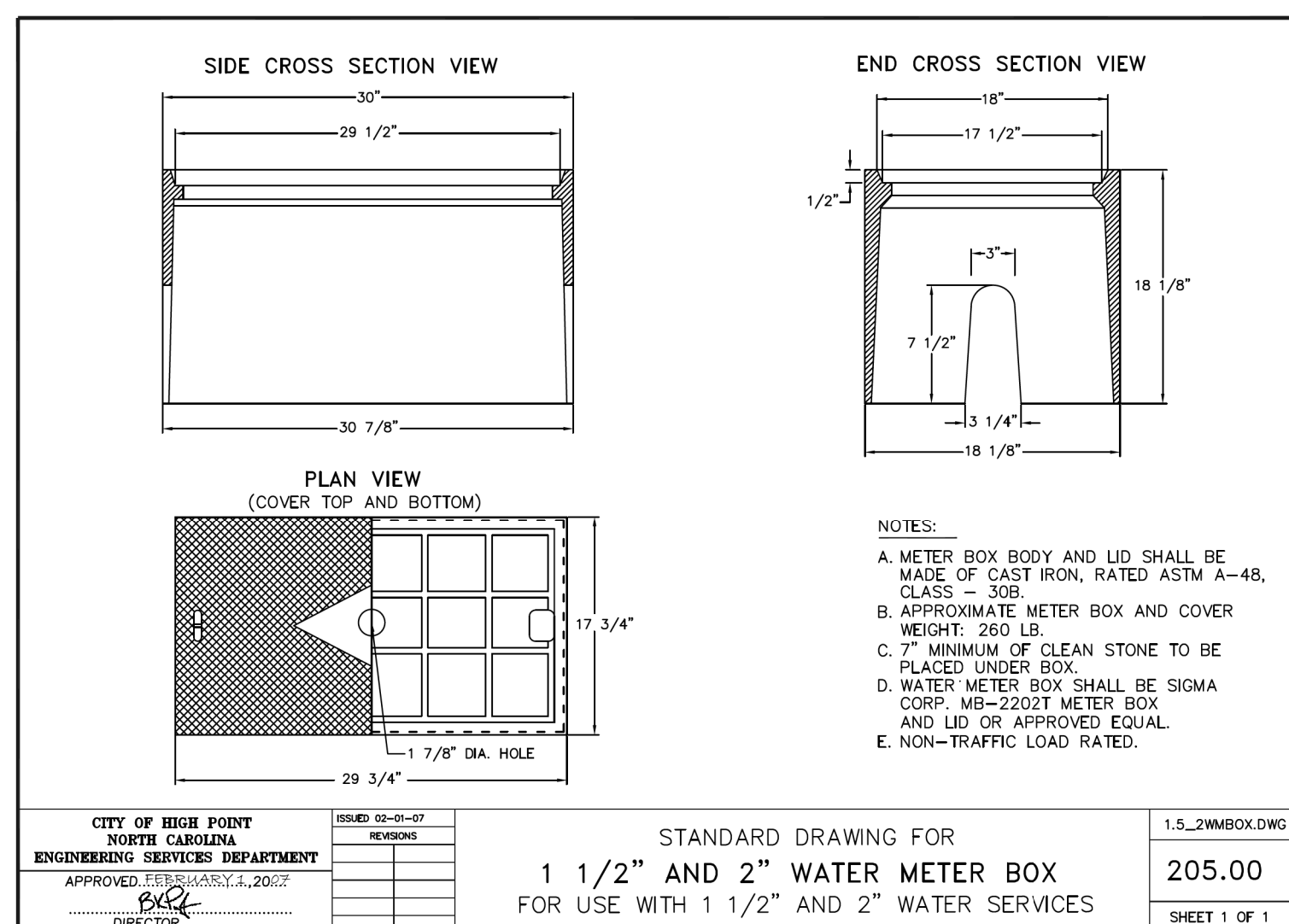
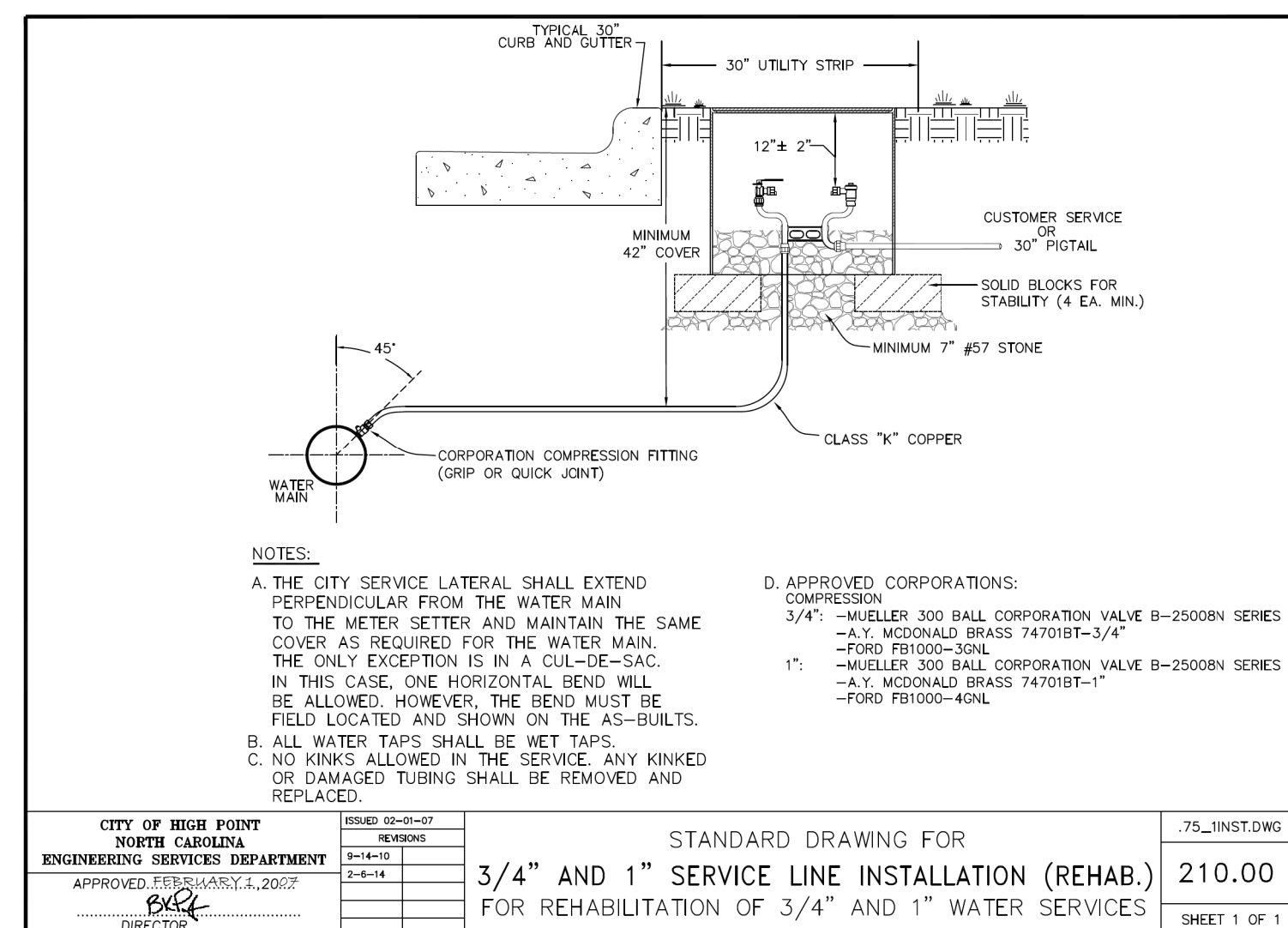
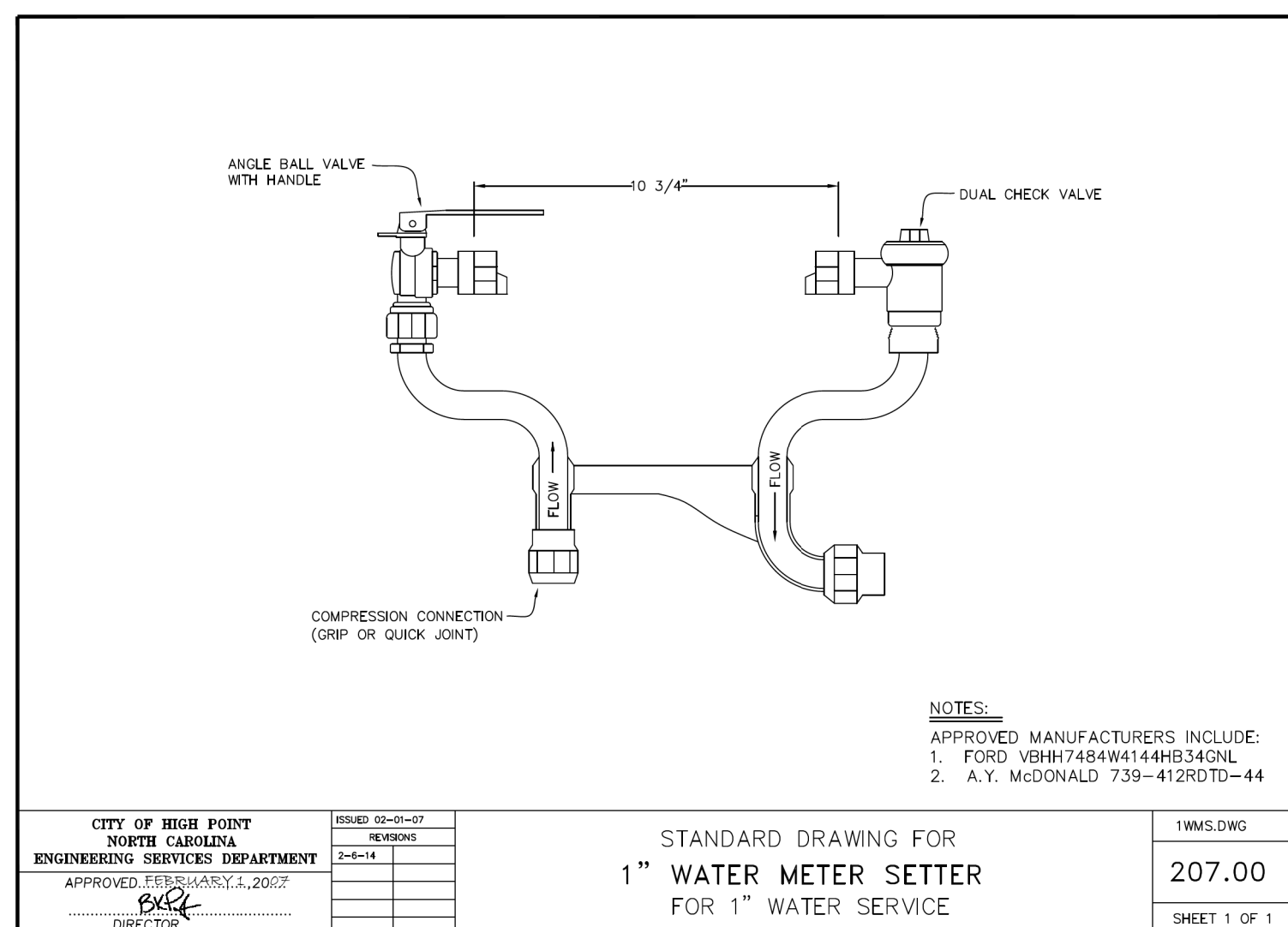
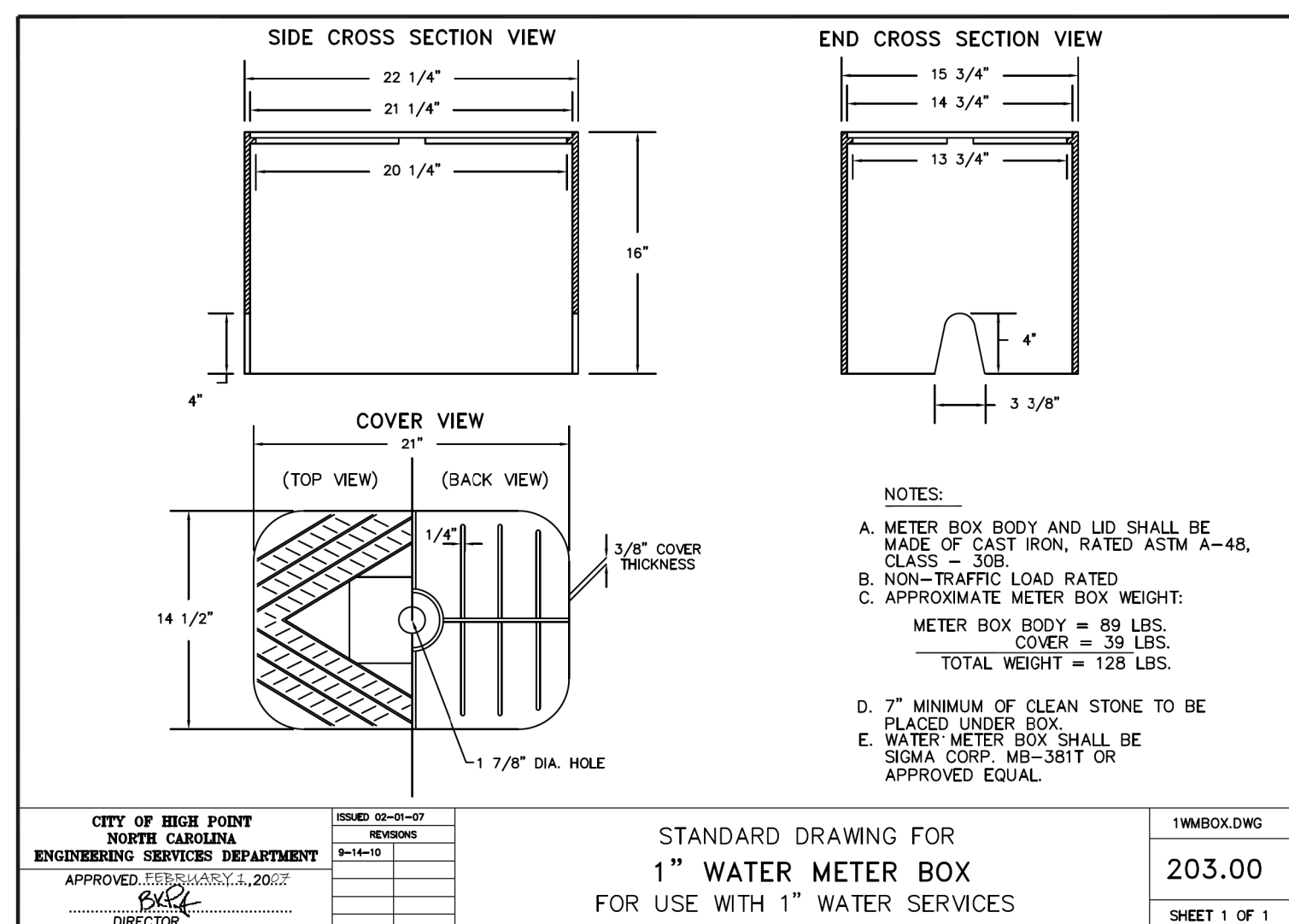
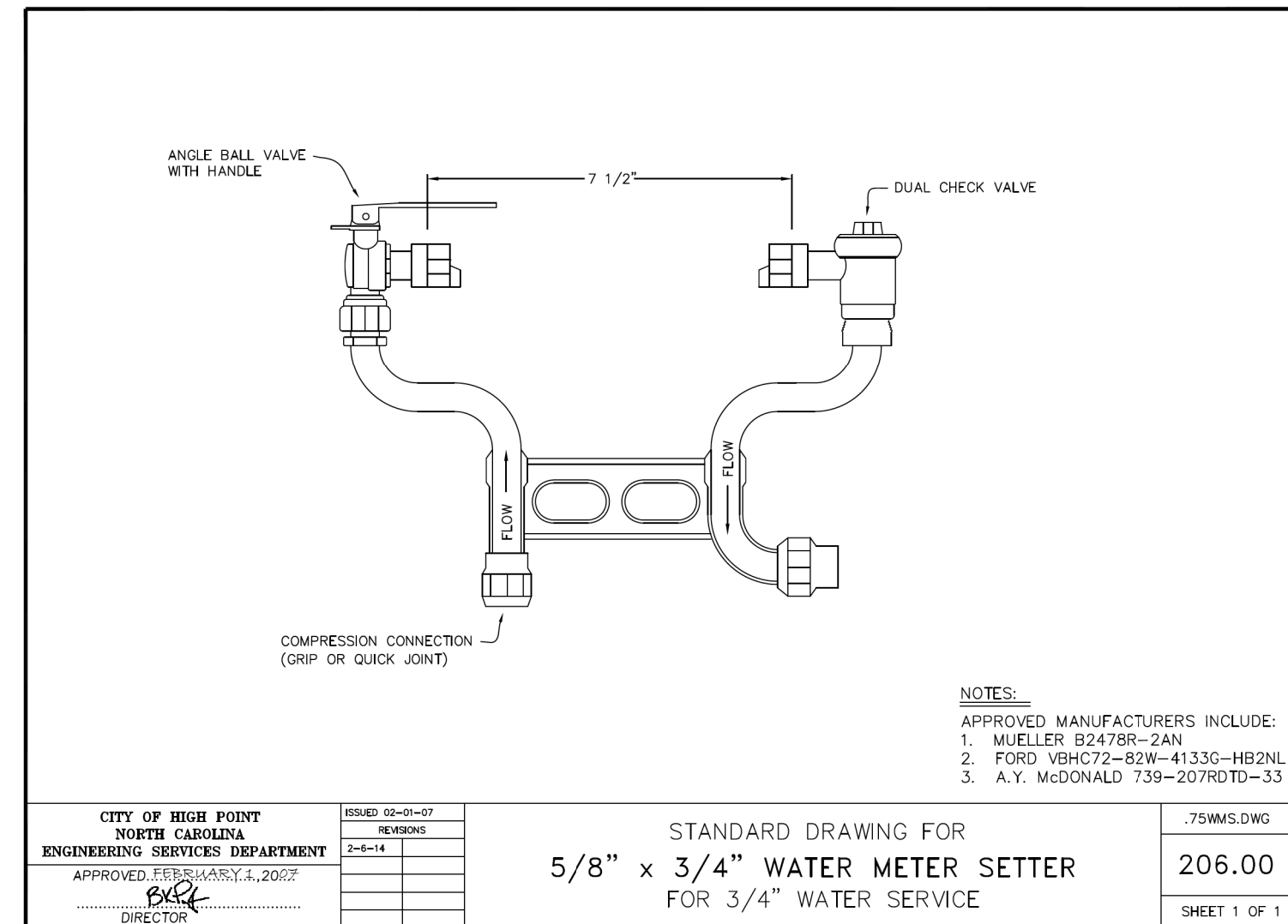
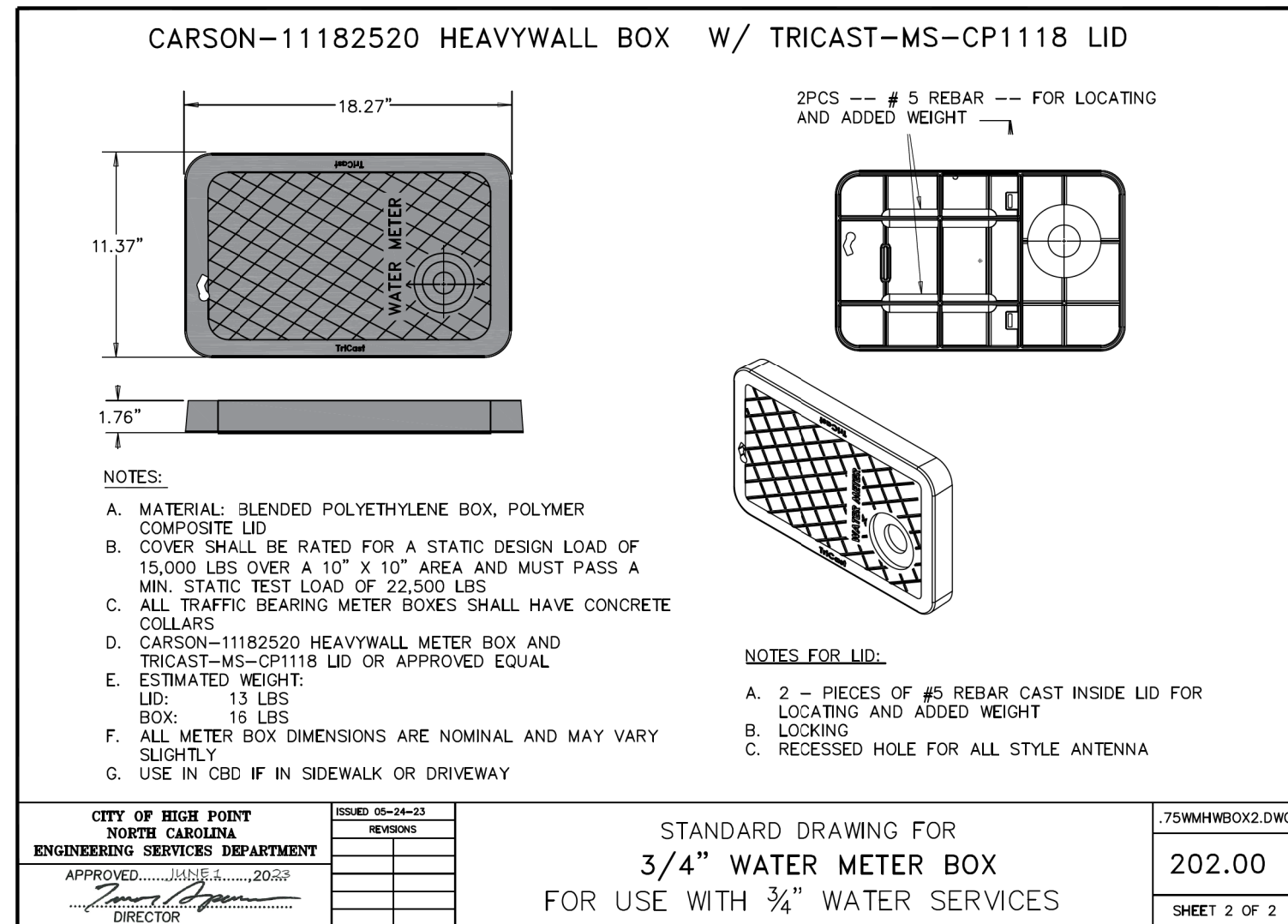
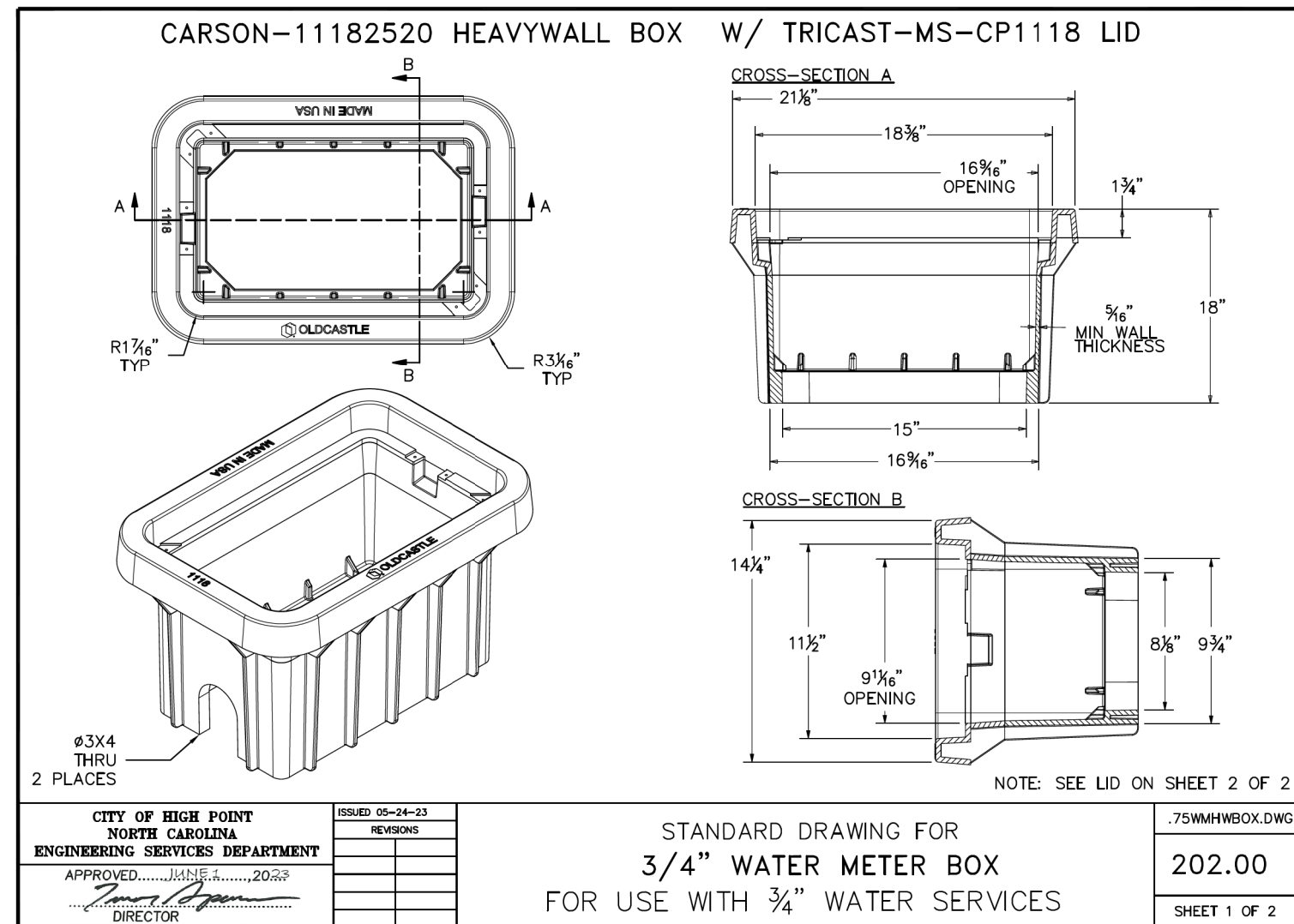
UTILITY CONSTRUCTION

**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

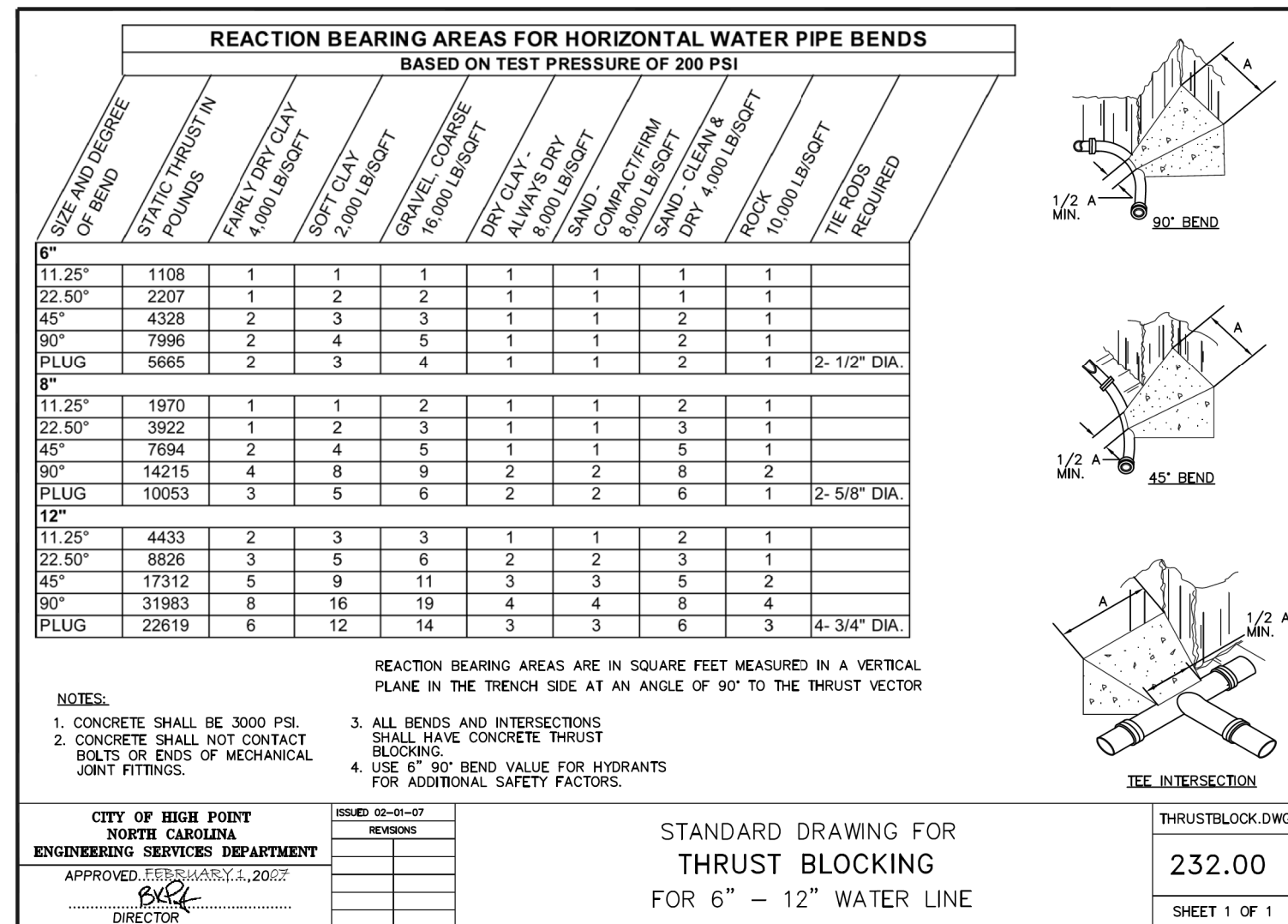
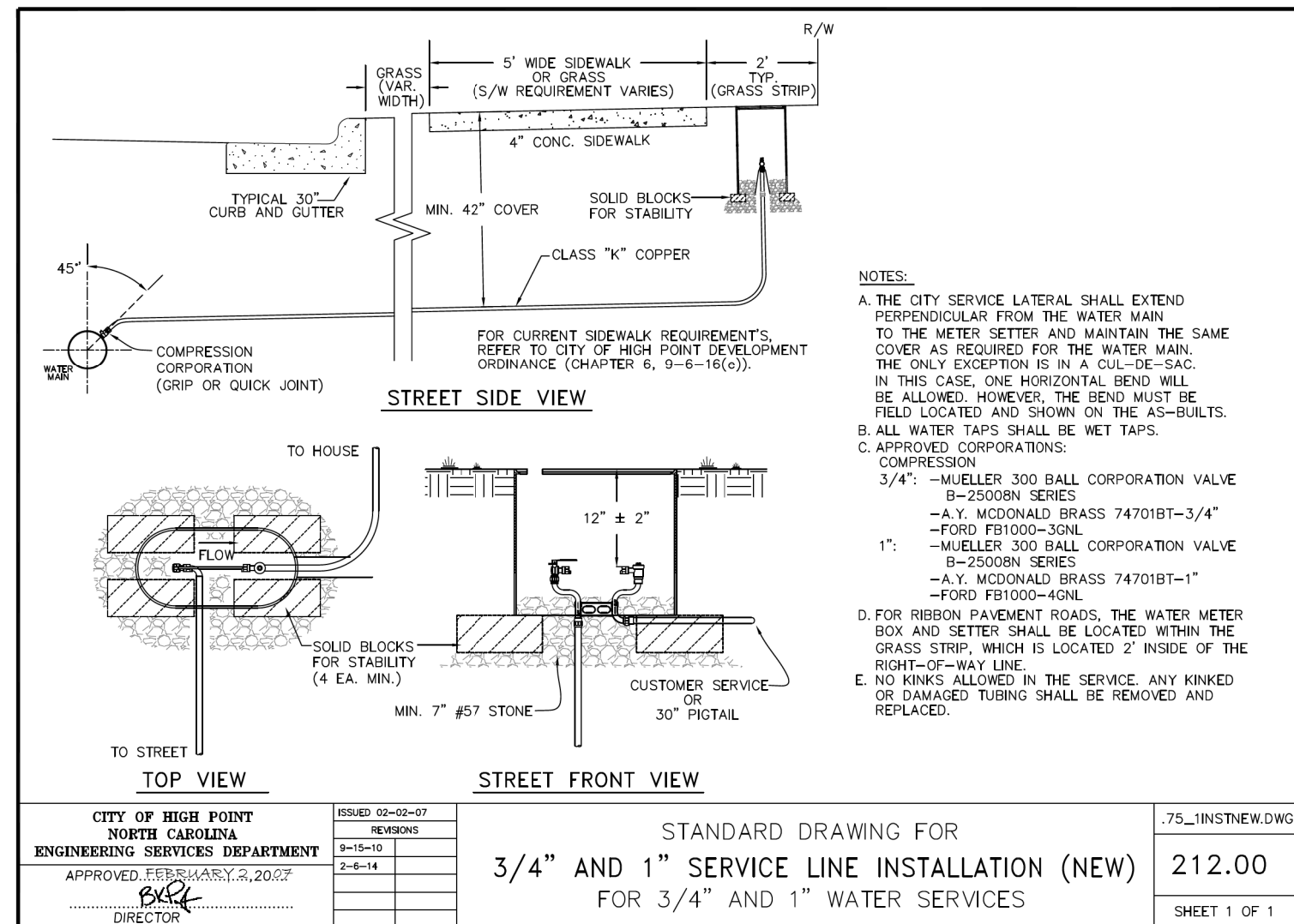
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETEDPRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

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





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

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

MATCHLINE SEE SHEET UC-5
-L- STA 21+00

ABANDON 729 L.F. 0
16" UTILITY PIPE

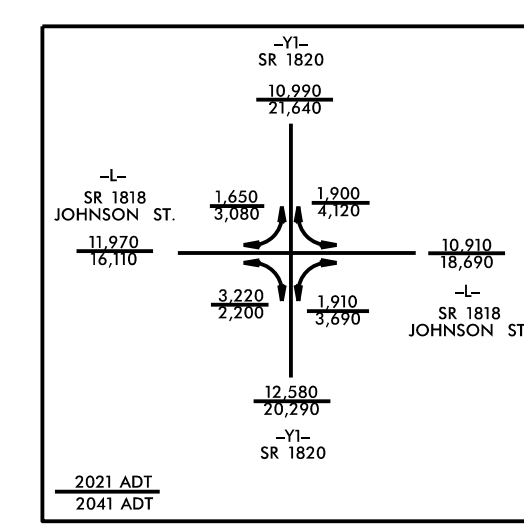
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,455 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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

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 offset. The logo is positioned to the right of the company name and contact information.

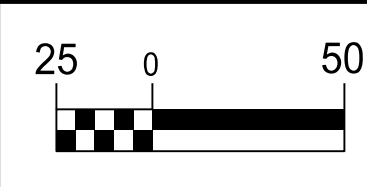
Page 110 of 247

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	
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

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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)

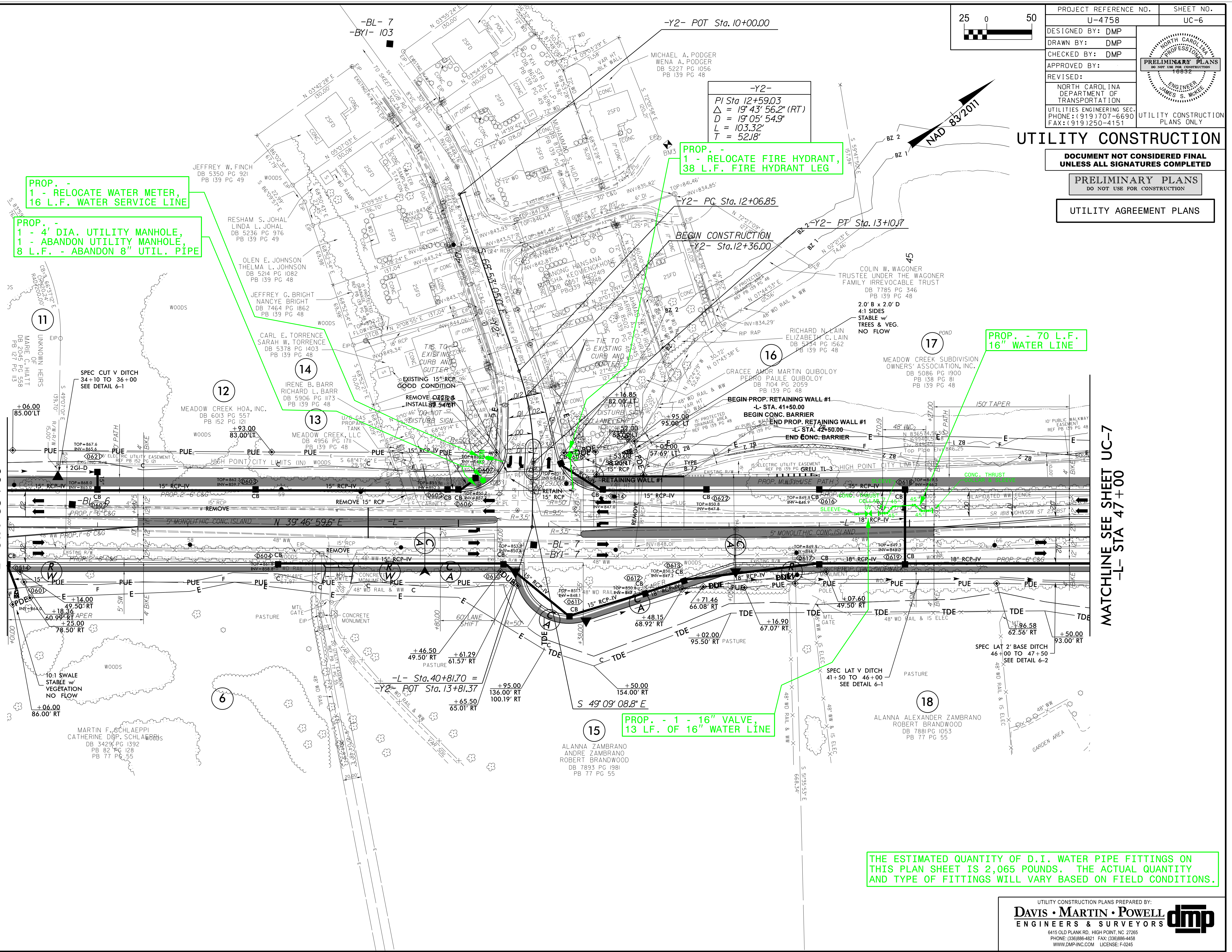
PROP. -
1 - RELOCATE FIRE HYDRANT,
1 - 6" TAPPING SLEEVE & VALVE,
29 L.F. FIRE HYDRANT LEG

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.

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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:

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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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

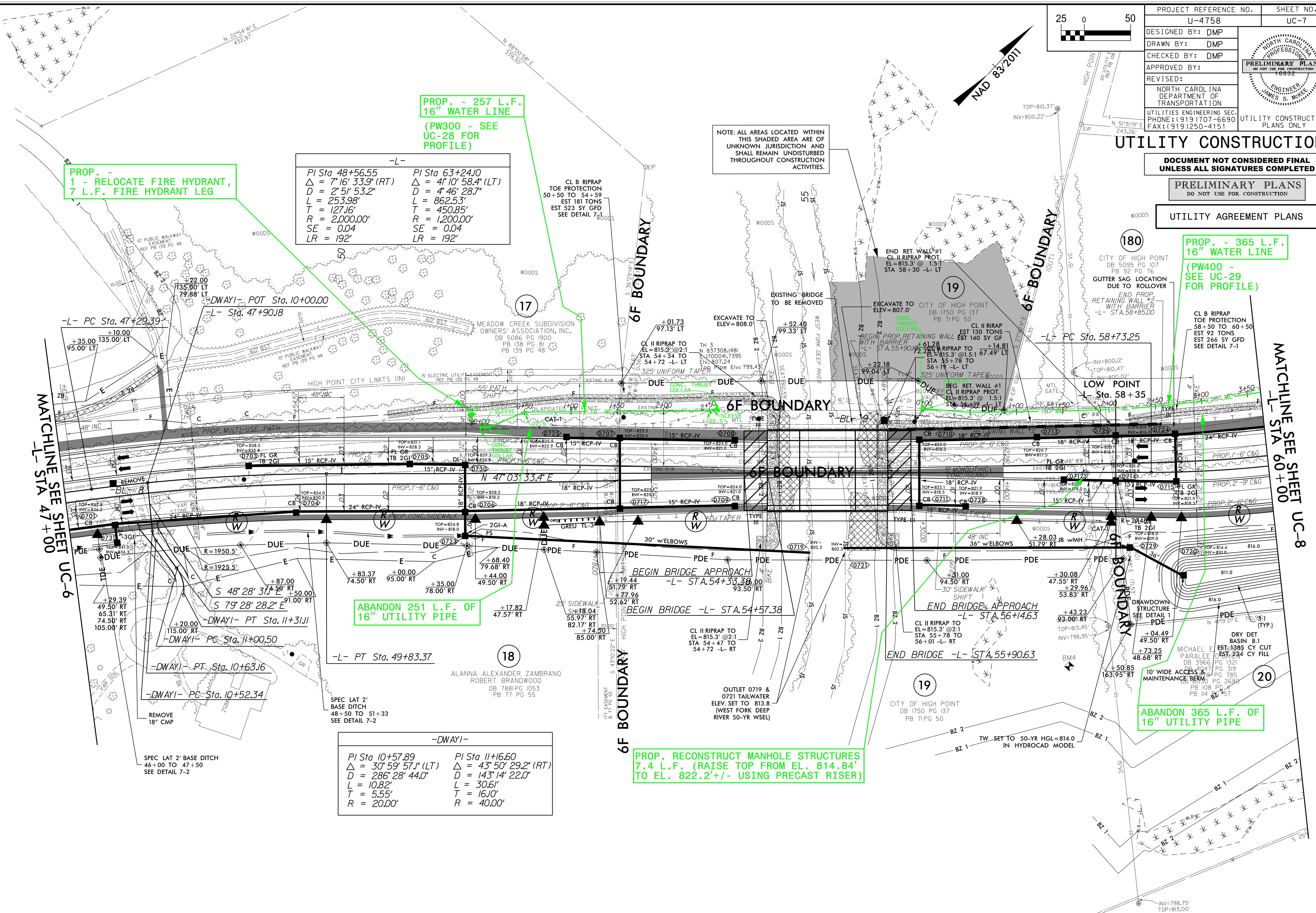
(PW400 -
SEE UC-29
FOR PROFILE)

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

ABANDON 365 L.F.
16" UTILITY PIPE

6415 OLD PLANK RD, HIGH POINT, NC 27262
PHONE: (336)886-4821 FAX: (336)886-4458
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Page 113 of 247



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.

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-
<i>Pl Sta 63+24.10</i>
$\Delta = 4^{\circ} 10' 58.4''$ (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
 $\Delta = 16^\circ 34' 32.1''$ (RT)
 $D = 38^\circ 11' 49.9''$
 $L = 43.39'$
 $T = 21.85'$
 $R = 150.00'$

UTILITY CONSTRUCTION

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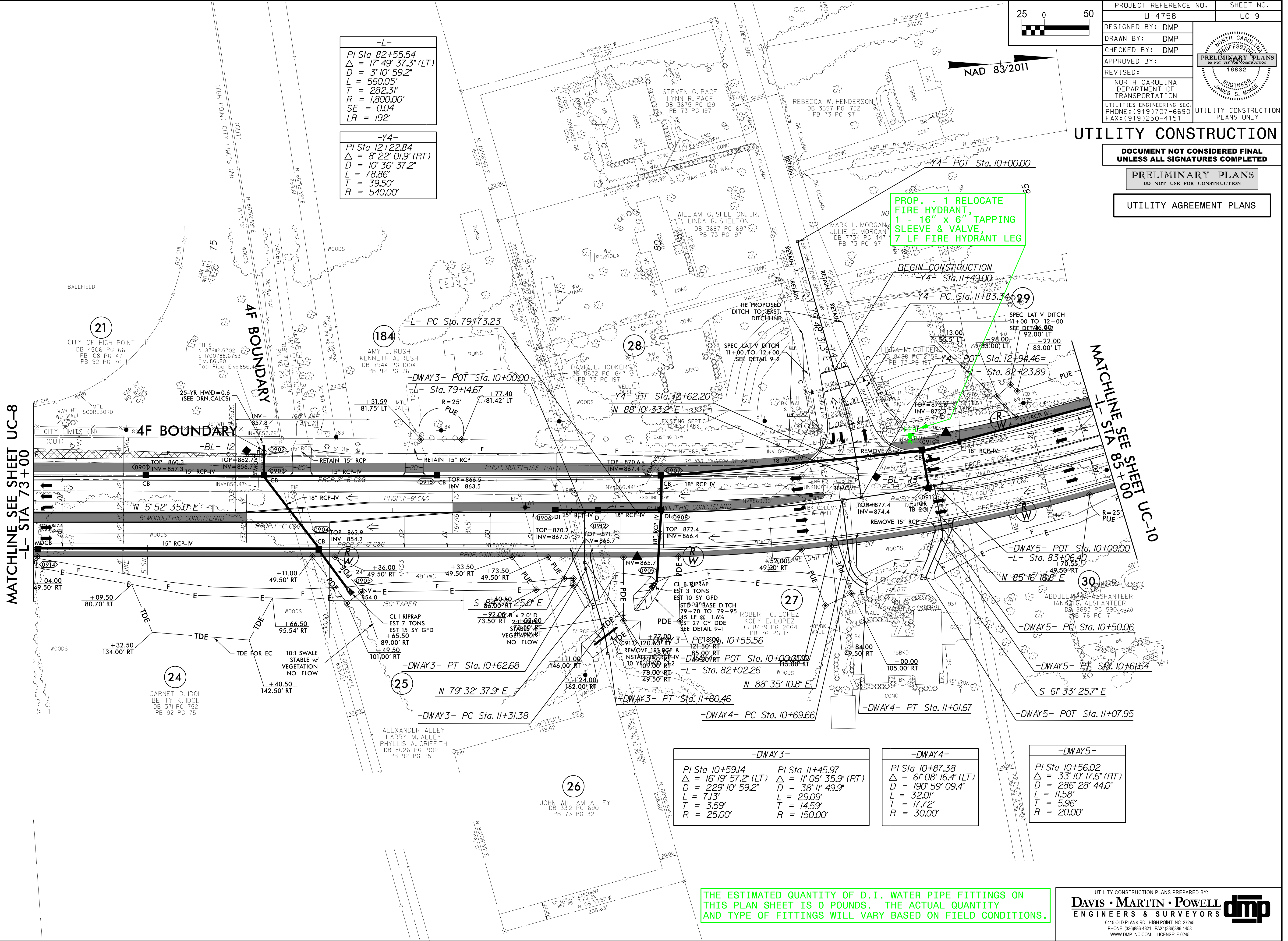
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

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

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\$\$\$\$\$IFRNAME\$\$\$\$\$

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



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:

DAVIS • MARTIN • POWELL

ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336)886-4421 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

dmp

5/14/99

REVISIONS

09-JAN-2025 14:52
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\$\$\$\$

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

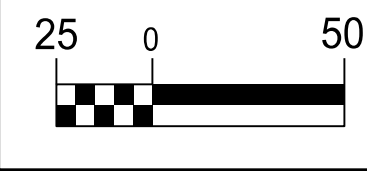
-L-
PI Sta 82+55.54
 $\Delta = 17' 49' 37.3''$ (LT)
D = 3' 10' 59.2"
L = 560.05'
T = 282.31'
R = 1,800.00'
SE = 0.04
LR = 192'

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

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



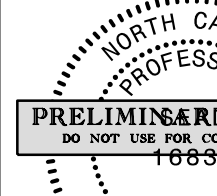
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UTILITY CONSTRUCTION

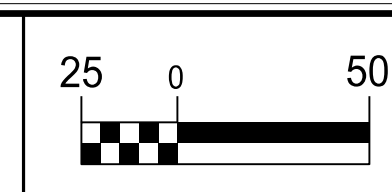
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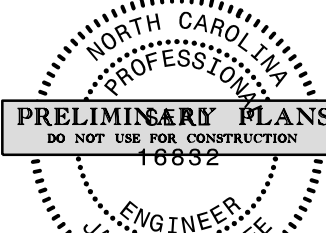
PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

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			

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 REFERENCE NO.		SHEET NO.
U-4758		UC-11
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

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UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

REVISIONS

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

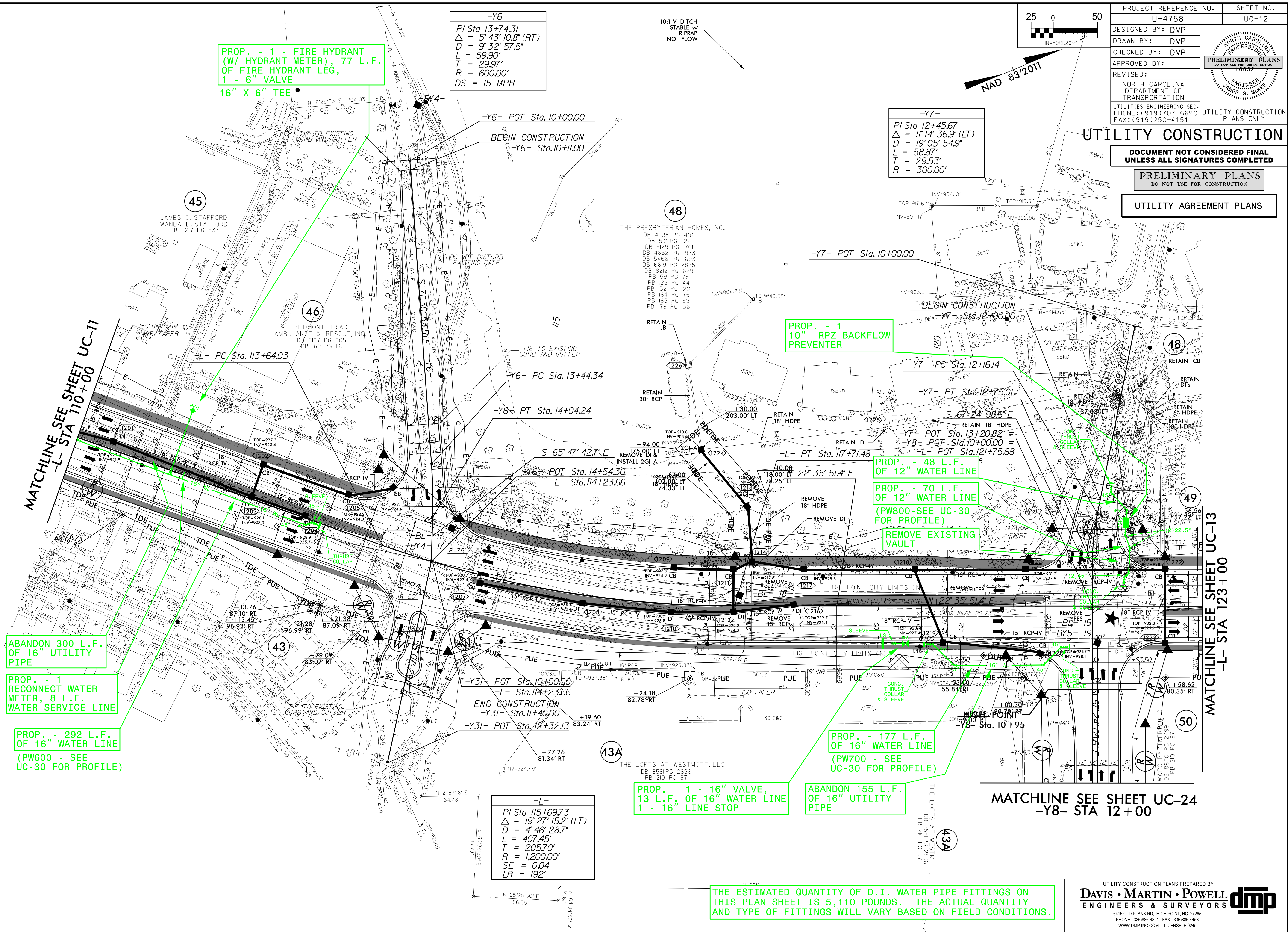
PROP. - 26 L.F.
OF 16" WATER LINE
(PW600 - SEE
UC-30 FOR PROFILE)

-L-	
PI Sta 96+41.95	PI Sta 106+73.36
$\Delta = 33^{\circ} 35' 56.7"$ (RT)	$\Delta = 20^{\circ} 24' 12.1"$ (RT)
$D = 2^{\circ} 14' 48.8"$	$D = 3^{\circ} 22' 13.2"$
$L = 1,495.36'$	$L = 605.38'$
$T = 769.87'$	$T = 305.93'$
$R = 2,550.00'$	$R = 1,700.00'$
$SE = 0.03$	$SE = 0.04$
$LR = 144'$	$LR = 192'$

-Y30-
PI Sta 12+23.65
 $\Delta = 5^{\circ} 37' 40.8"$ (LT)
 $D = 10^{\circ} 25' 02.7"$
 $L = 540.2'$
 $T = 27.03'$
 $R = 550.00'$

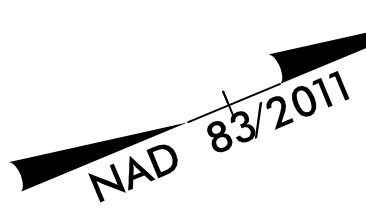
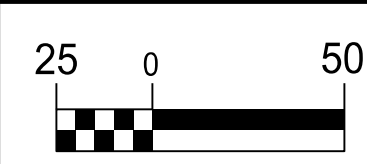
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 6,315 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS
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5/14/99

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		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16932 ENGINEER JAMES S. MOORE
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
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UTILITY CONSTRUCTION

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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

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

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

-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'

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

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

-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'

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REVISIONS

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MATCHLINE SEE SHEET UC-13
-L- STA 136+00

PROP. - 86 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

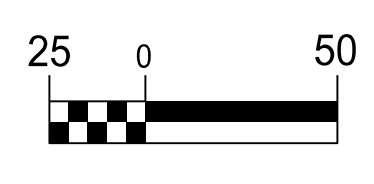
PROP. - 1 - RELOCATE FIRE
HYDRANT, 21 L.F. FIRE
HYDRANT LEG

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

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON
THIS PLAN SHEET IS 1,505 POUNDS. THE ACTUAL QUANTITY
AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 111 L.F.
OF 16" WATER LINE
(PW1100 - SEE
UC-31 FOR PROFILE)

ABANDON 130 L.F.
OF 16" UTILITY
PIPE



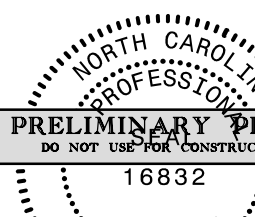
NAD 83/2011

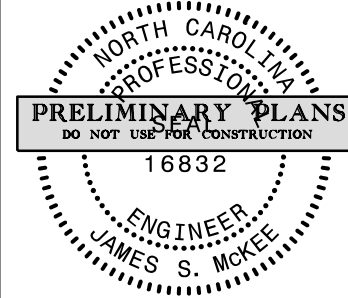
UTILITY CONSTRUCTION

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UTILITY AGREEMENT PLANS

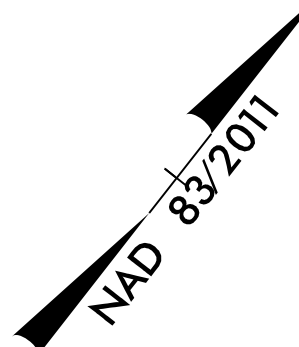
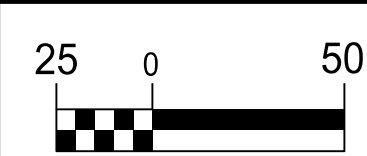
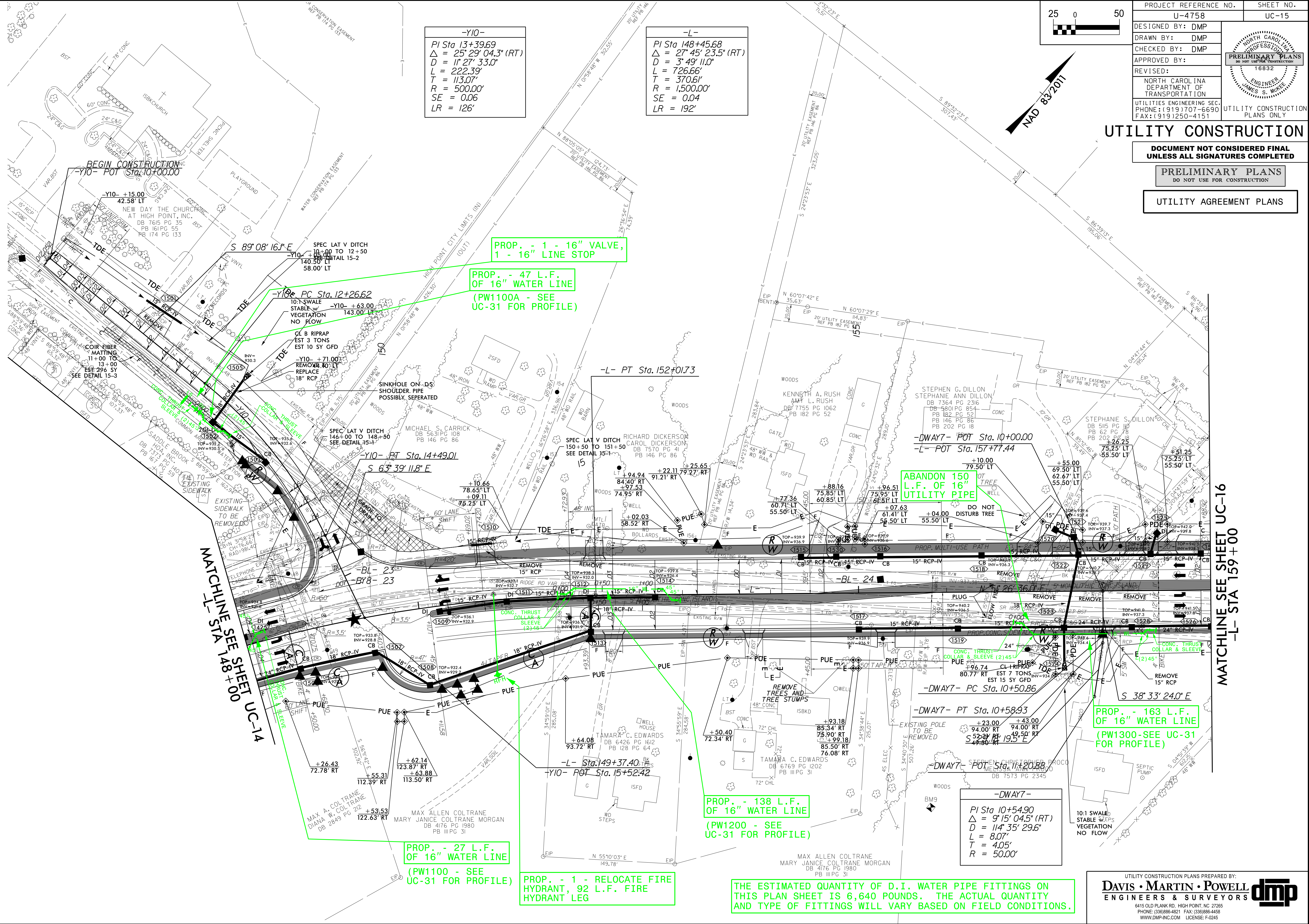
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-14
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
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REVISIONS

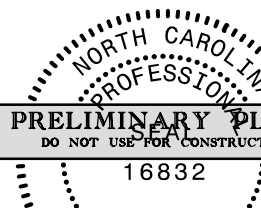


UTILITY CONSTRUCTION

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UTILITY AGREEMENT PLANS

PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-15
DESIGNED BY: DMP		UTILITY CONSTRUCTION PLANS ONLY
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APPROVED BY:		
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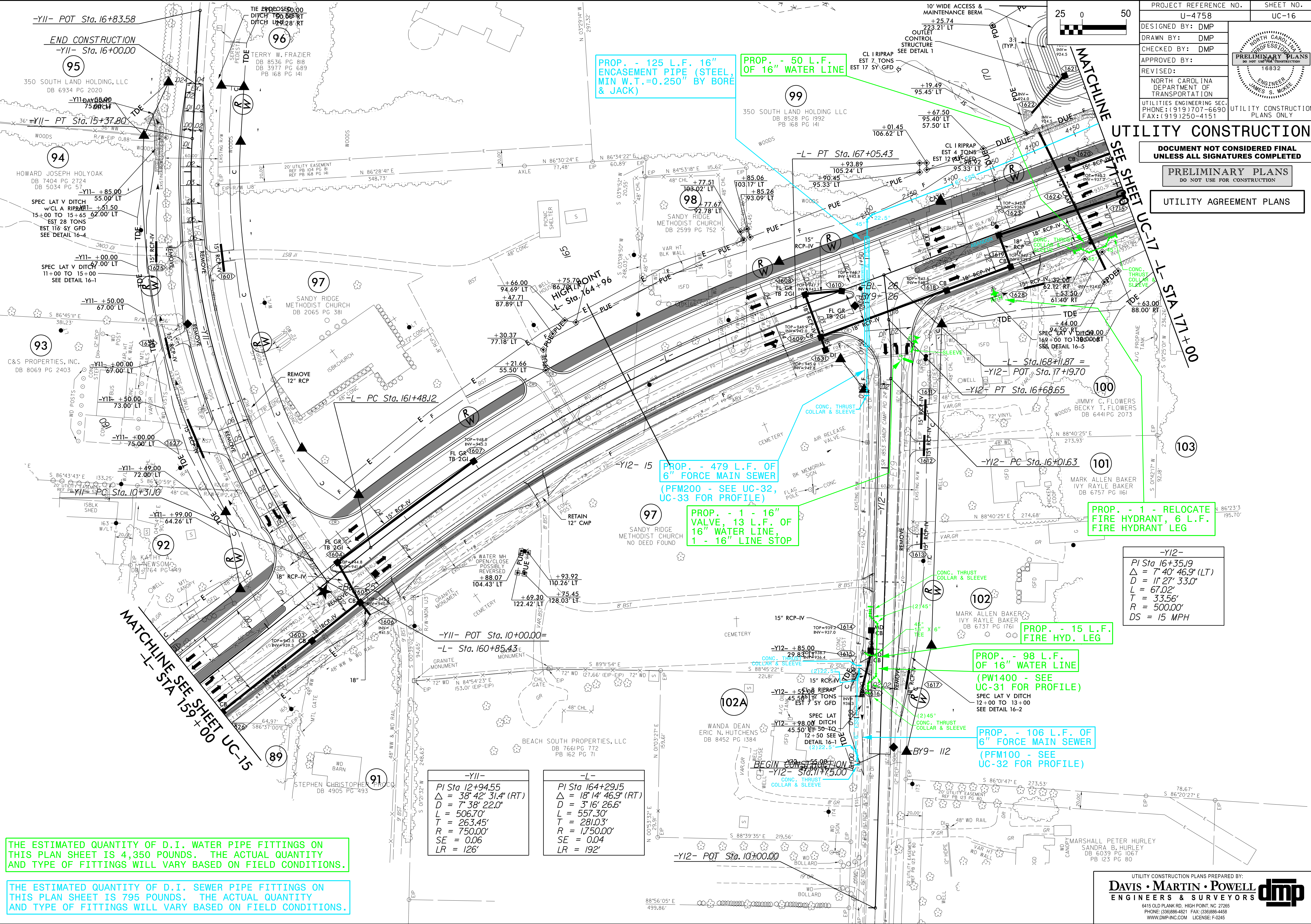
MATCHLINE SEE SHEET UC-16
-L- STA 159+00

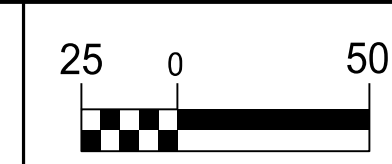
MATCHLINE SEE SHEET UC-14
-L- STA 148+00

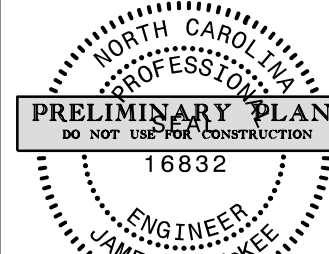
REVISIONS

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PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-17
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISD:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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UTILITY CONSTRUCTION

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DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

PI Sta 181+62.6
 $\Delta = 10' 27' 39''$
 $D = 3' 10' 59.2''$
 $L = 328.64'$
 $T = 164.78'$
 $R = 1,800.00'$
 $SE = 0.04$
 $LR = 192'$

-DWAY8-
PI Sta 10+64.89
 $\Delta = 52' 36' 09.5''$ (LT)
 $D = 38' 58' 18.7''$
 $L = 13.77'$
 $T = 7.41'$
 $R = 15.00'$

-L-
PI Sta 174+72.62
 $\Delta = 33' 36' 30.8''$ (LT)
 $D = 6' 09' 39.0''$
 $L = 545.52'$
 $T = 280.86'$
 $R = 930.00'$
 $SE = 0.04$
 $LR = 192'$
PI Sta 181+62.64
 $\Delta = 10' 27' 39.6''$ (RT)
 $D = 3' 10' 59.2''$
 $L = 328.64'$
 $T = 164.78'$
 $R = 1,800.00'$
 $SE = 0.04$
 $LR = 192'$

PROP. - 1 - 2" AIR RELEASE VALVE

(NOTE: ARV SHALL BE SUITABLE FOR SEWER SERVICE)

ABANDON 170 L.F. OF 16" UTILITY PIPE

PROP. - 1,122 L.F. OF 6" FORCE MAIN SEWER (PFM200 - SEE UC-32, UC-33 FOR PROFILE)

PROP. - 187 L.F. OF 16" WATER LINE 1 - 16" VALVE (PW1500 - SEE UC-31 FOR PROFILE)

PROP. - 1 - RELOCATE FIRE HYDRANT, 1 - 6" VALVE, 10 L.F. FIRE HYDRANT LEG

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.

UTILITY CONSTRUCTION PLANS PREPARED BY:
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ENGINEERS & SURVEYORS 
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-L-	-Y13-	-Y14-
PI Sta 188+91.46 Δ = 17° 58' 04.8" (LT) D = 4' 46' 28.7" L = 376.32' T = 189.72' R = 1,200.00' SE = 0.04 LR = 192'	PI Sta 13+24.06 Δ = 22° 33' 51.0" (LT) D = 6' 09' 39.0" L = 366.25' T = 185.53' R = 930.00' SE = 0.08 LR = 192'	PI Sta 11+47.9 Δ = 11° 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. - 1,306 L.F. OF
6" FORCE MAIN SEWER
(PFM200 - SEE UC-32,
UC-33 FOR PROFILE)

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)

-Y35-
PI Sta 11+26.84
Δ = 7° 17' 23.0" (LT)
D = 7' 38' 22.0"
L = 95.43'
T = 47.78'
R = 750.00'
SE = 0.04
LR = 192'

PROJECT REFERENCE NO.	SHEET NO.
U-4758	UC-18
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

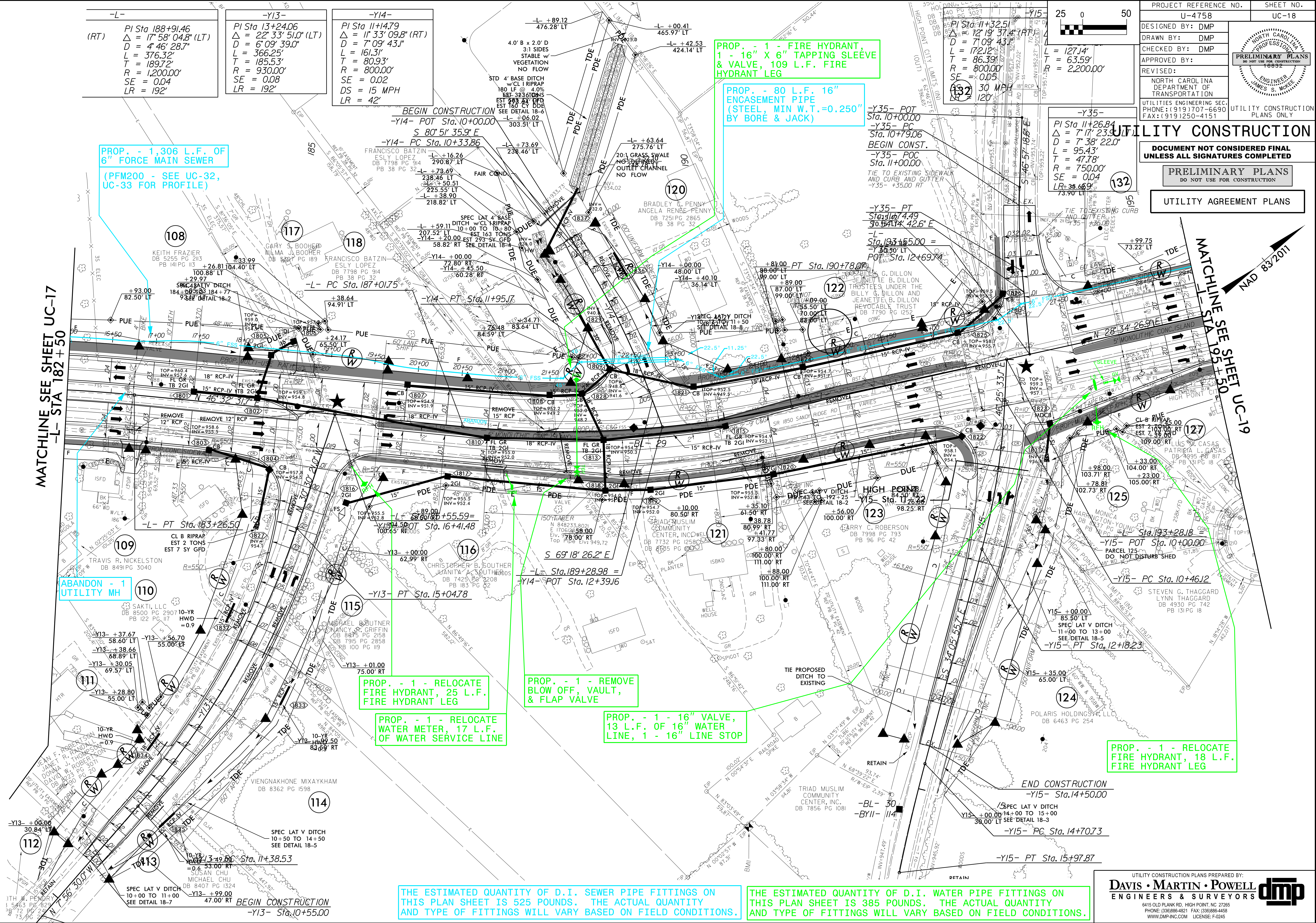
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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-17
-L- STA 182+50

MATCHLINE SEE SHEET UC-19
-L- STA 195+50



PROP. - 1 - RELOCATE
FIRE HYDRANT, 25 L.F.
FIRE HYDRANT LEG

PROP. - 1 - RELOCATE
WATER METER, 17 L.F.
OF WATER SERVICE LINE

PROP. - 1 - REMOVE
BLOW OFF, VAULT,
& FLAP VALVE

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

PROP. - 1 - RELOCATE
FIRE HYDRANT, 18 L.F.
FIRE HYDRANT LEG

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.

UTILITY CONSTRUCTION PLANS PREPARED BY:
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ENGINEERS & SURVEYORS
6415 OLD PLANK RD., HIGH POINT, NC 27265
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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS



REVISIONS

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

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

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-

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

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

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

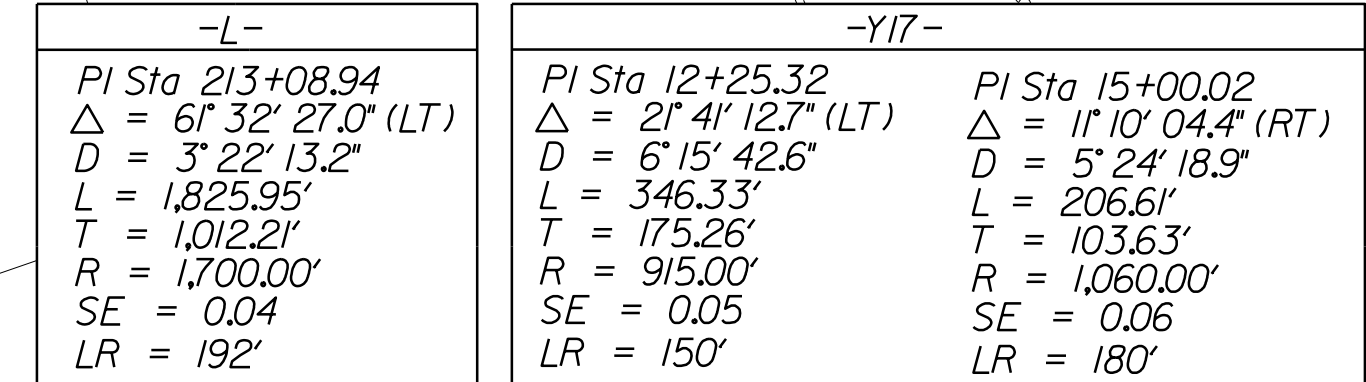
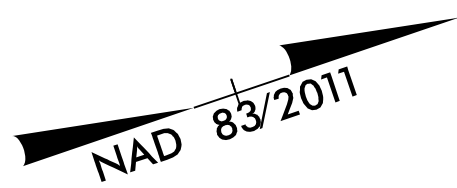
ENGINEERS & SURVEYORS

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PHONE: (336)886-4821 FAX: (336)886-4458
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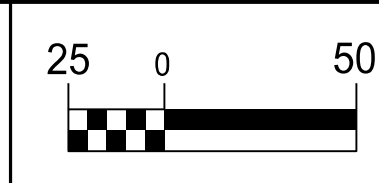
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UTILITY AGREEMENT PLANS

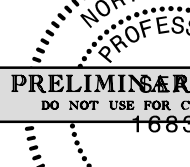


THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,590 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.





NAD 83/2011

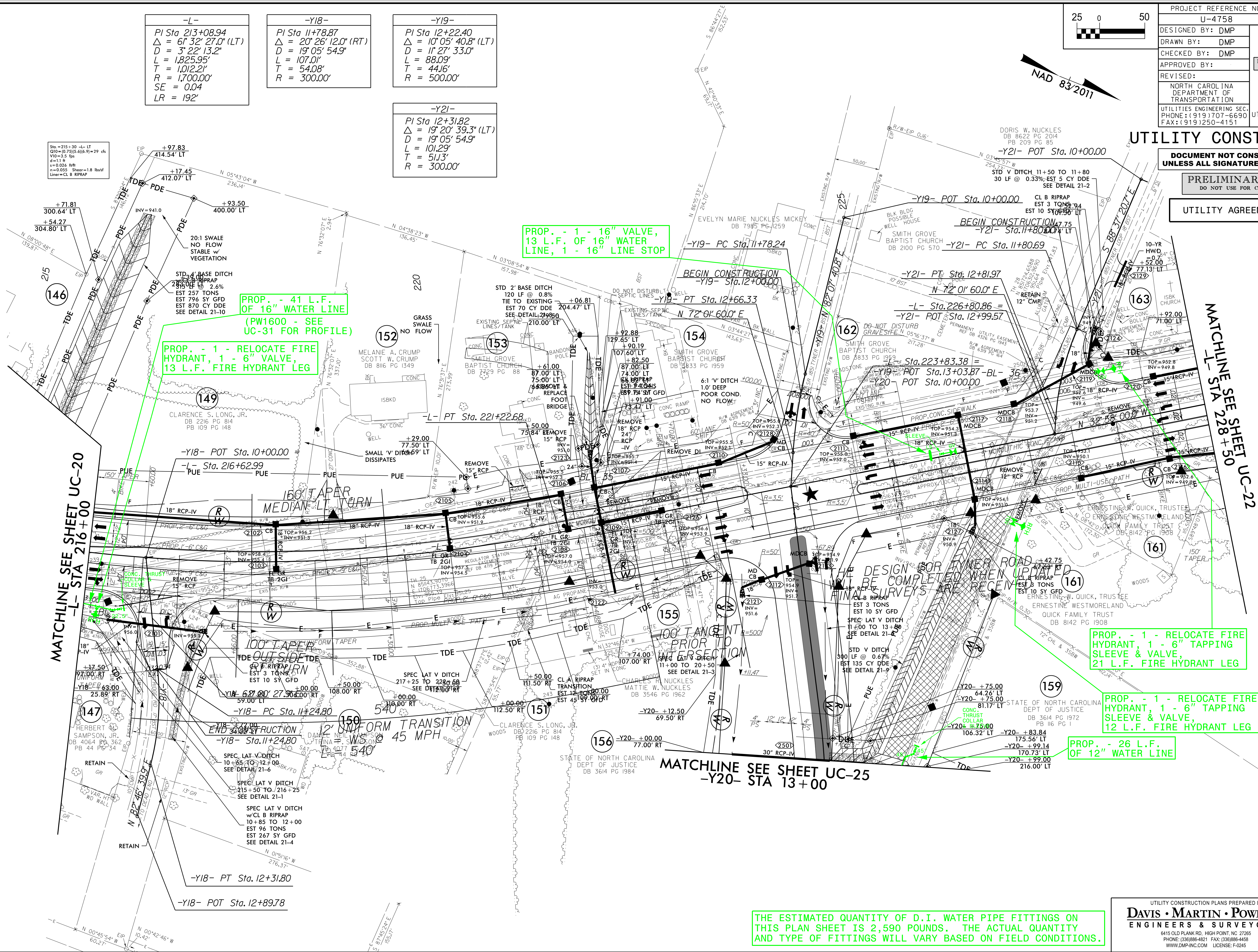
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-21
DESIGNED BY:	DMP	
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

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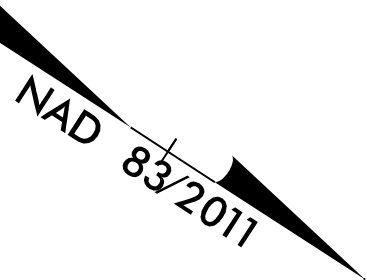
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS



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.

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
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PROP. - 1 - ADJUSTMENT
OF MANHOLES (CONTRACTOR
SHALL ROTATE ECCENTRIC
CONE TO MOVE TOP OUT
OF CURB & GUTTER)

PROPOSED 4'
DIAMETER MH
(BY OTHERS)

ABANDON 55 L.F.
OF 12" UTILITY
PIPE

PROP. - 50 L.F.
OF 10" WATER LINE

PROP. - 40 L.F.
OF 8" WATER LINE

PROP. - 1 - RELOCATE
FIRE HYDRANT,
1 - 6" VALVE, 81 L.F.
FIRE HYDRANT LEG

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

PROP. - 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.

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL

ENGINEERS & SURVEYORS

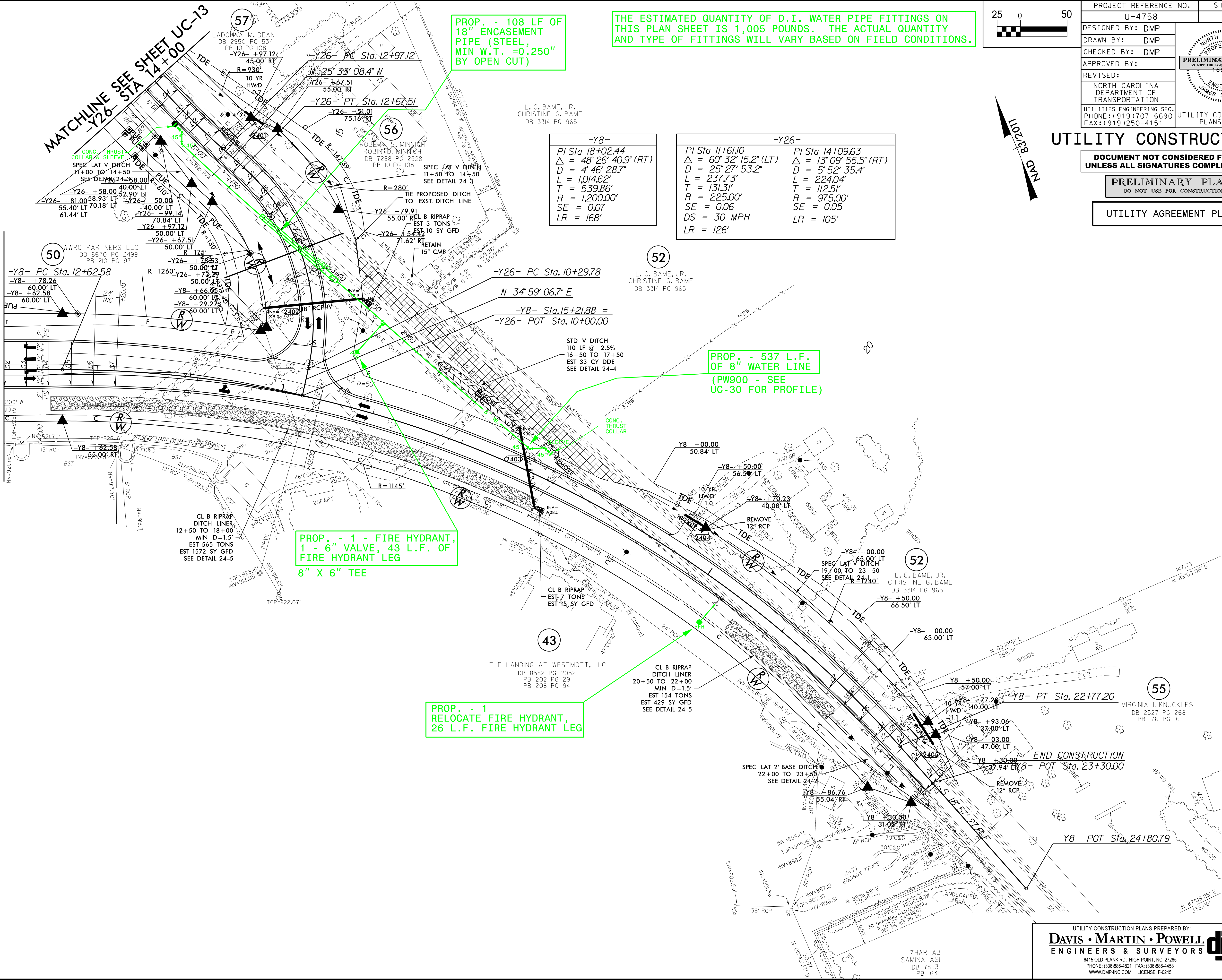
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\$\$\$\$\$USERNAME\$\$\$\$\$

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'

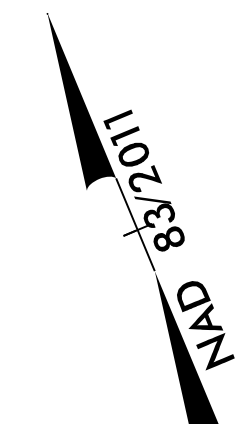
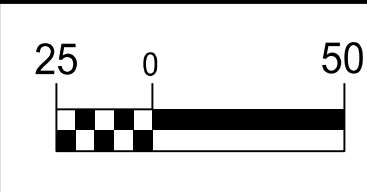
-Y26-
PI Sta 11+61.10
Δ = 60' 32" 15.2" (LT)
D = 25' 27" 53.2"
L = 237.73'
T = 131.31'
R = 225.00'
SE = 0.06
DS = 30 MPH
LR = 126'

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

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

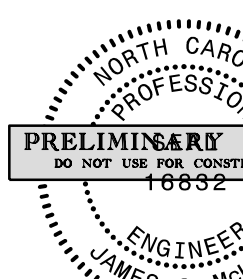


UTILITY CONSTRUCTION

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-24	
DESIGNED BY: DMP		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16832 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	

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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS

-Y20-
PI Sta 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

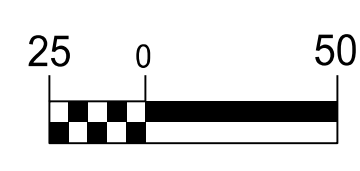
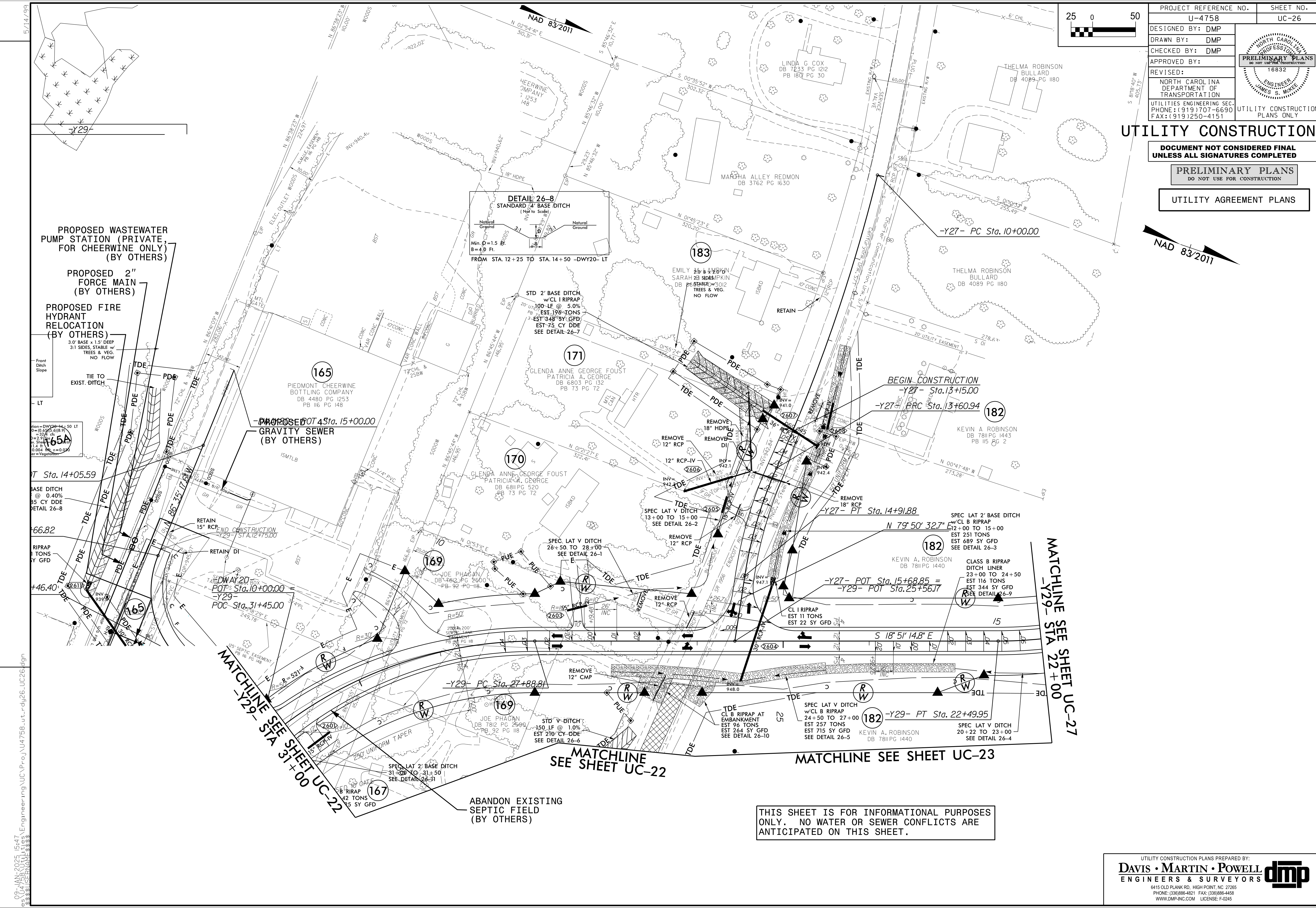
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,305 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

6415 OLD PLANK RD. HIGH POINT, NC 27285
PHONE: (336)886-4821 FAX: (336)886-4458
WWW.DMP-INC.COM LICENSE: F-0245

dmp



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UTILITY AGREEMENT PLANS



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-26
DESIGNED BY:	DMP	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION ENGINEER JAMES S. MOORE 16832 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITY CONSTRUCTION PLANS ONLY
DRAWN BY:	DMP	
CHECKED BY:	DMP	
APPROVED BY:	DMP	
REVISED:		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

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

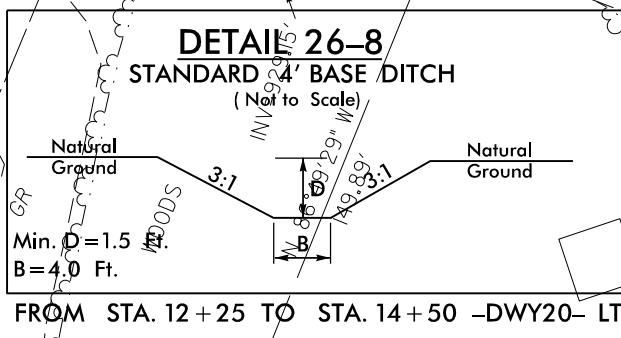
PROPOSED 2"
FORCE MAIN
(BY OTHERS)

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 4"
GRAVITY SEWER
(BY OTHERS)



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

STD 2' BASE DITCH
w/CL B RIPRAP
100 LF @ 5.0%
EST 198 TONS
EST 348 SY GFD
EST 75 CY DDE
SEE DETAIL 26-7

BEGIN CONSTRUCTION
-Y27- Sta. 13+15.00

-Y27- PRC Sta. 13+60.94

-Y27- PT Sta. 14+91.88

-Y27- POT Sta. 15+68.85 =
-Y29- POT Sta. 25+56.17

-Y29- PT Sta. 22+49.95

MATCHLINE
SEE SHEET UC-22

MATCHLINE SEE SHEET UC-23

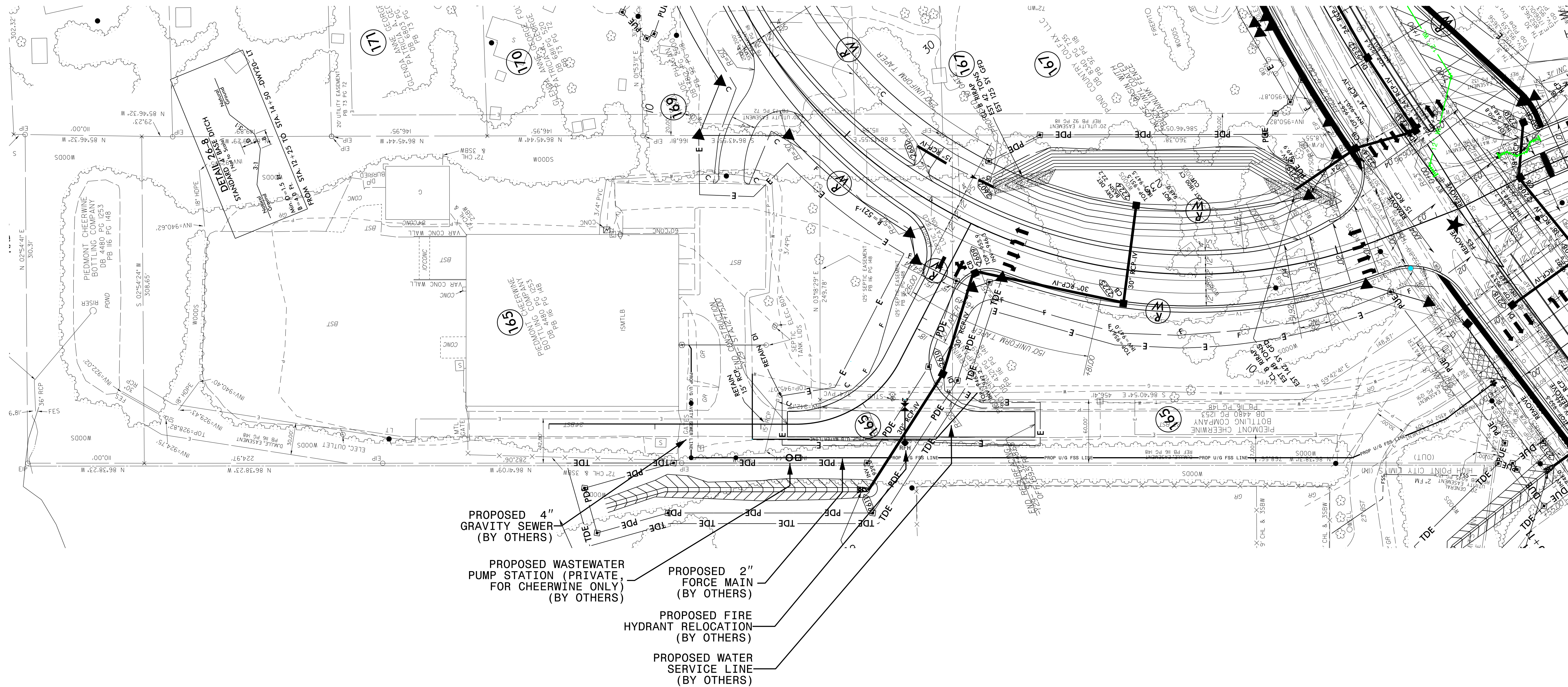
MATCHLINE SEE SHEET UC-27
-Y29- STA 22+00

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

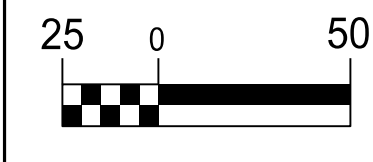
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS



REVISIONS



PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-27
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

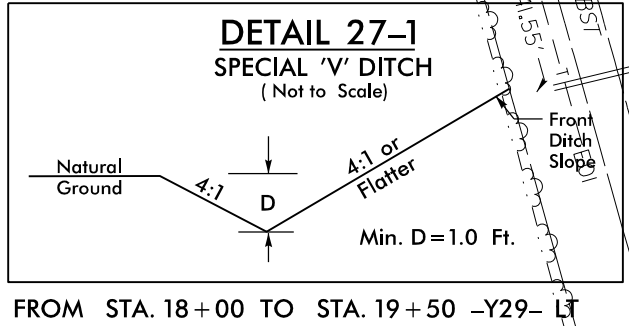
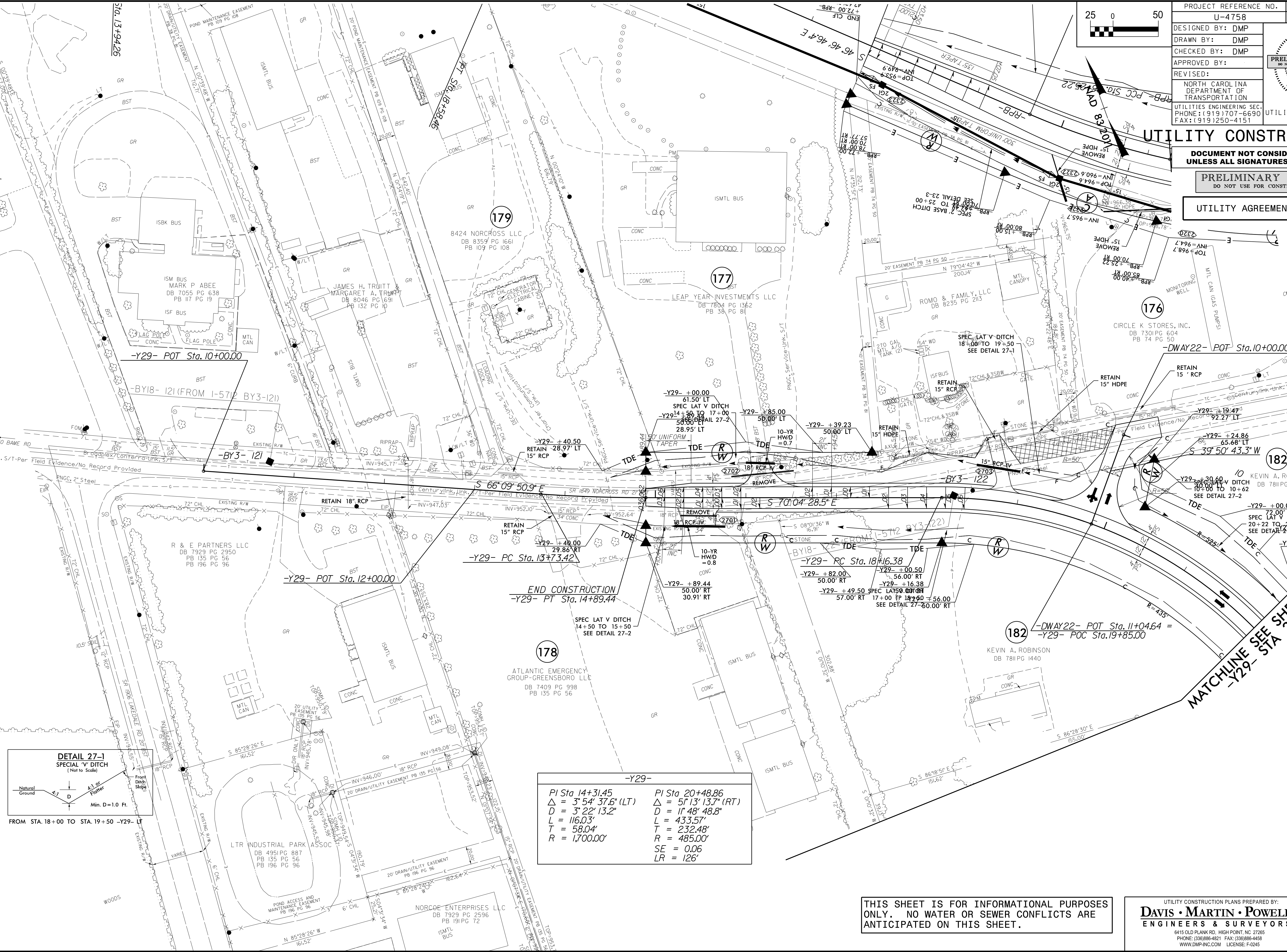
DOCUMENT NOT CONSIDERED FINAL
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PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS

MATCHLINE SEE SHEET UC-23

MATCHLINE SEE SHEET UC-26
-Y29- STA 22+00

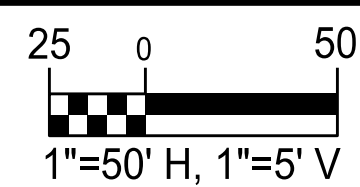


-Y29-	
PI Sta 14+31.45	PI Sta 20+48.86
$\Delta = 3^{\circ}54'37.6"$ (LT)	$\Delta = 5^{\circ}13'13.7"$ (RT)
$D = 3^{\circ}22'13.2"$	$D = 1^{\circ}48'48.8"$
$L = 116.03'$	$L = 433.57'$
$T = 58.04'$	$T = 232.48'$
$R = 1,700.00'$	$R = 485.00'$
	$SE = 0.06$
	$LR = 126'$

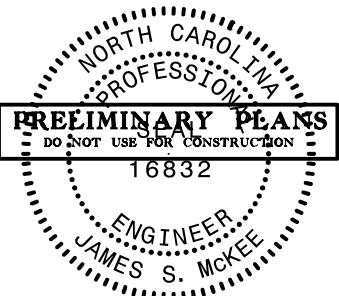
THIS SHEET IS FOR INFORMATIONAL PURPOSES
ONLY. NO WATER OR SEWER CONFLICTS ARE
ANTICIPATED ON THIS SHEET.

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



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 written in a curve. In the center, the text "16832" is displayed. Overlaid on the seal is a rectangular stamp that reads "PRELIMINARY PLANS" in large, bold, capital letters, with "DO NOT USE FOR CONSTRUCTION" in smaller capital letters below it.	
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		

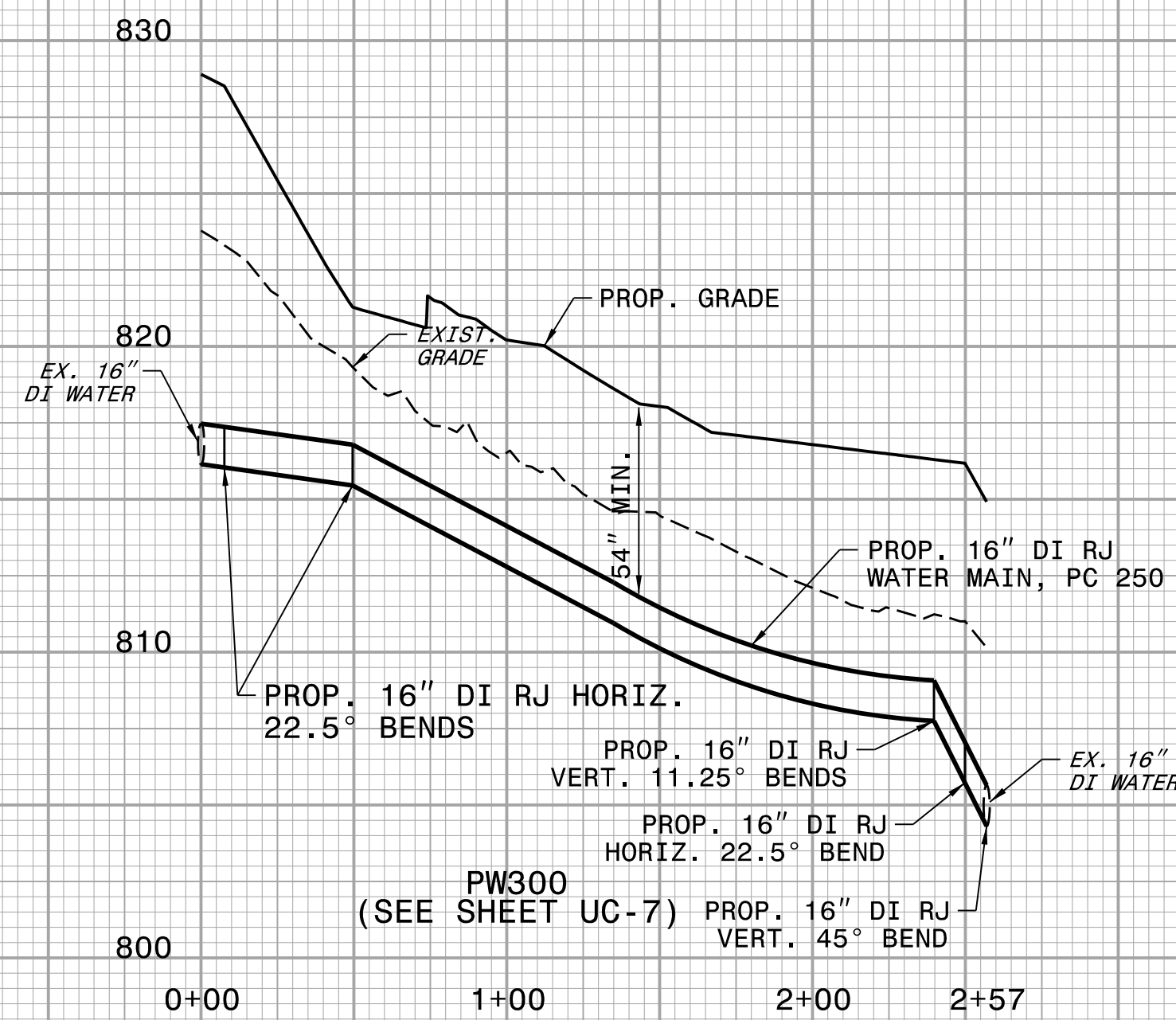
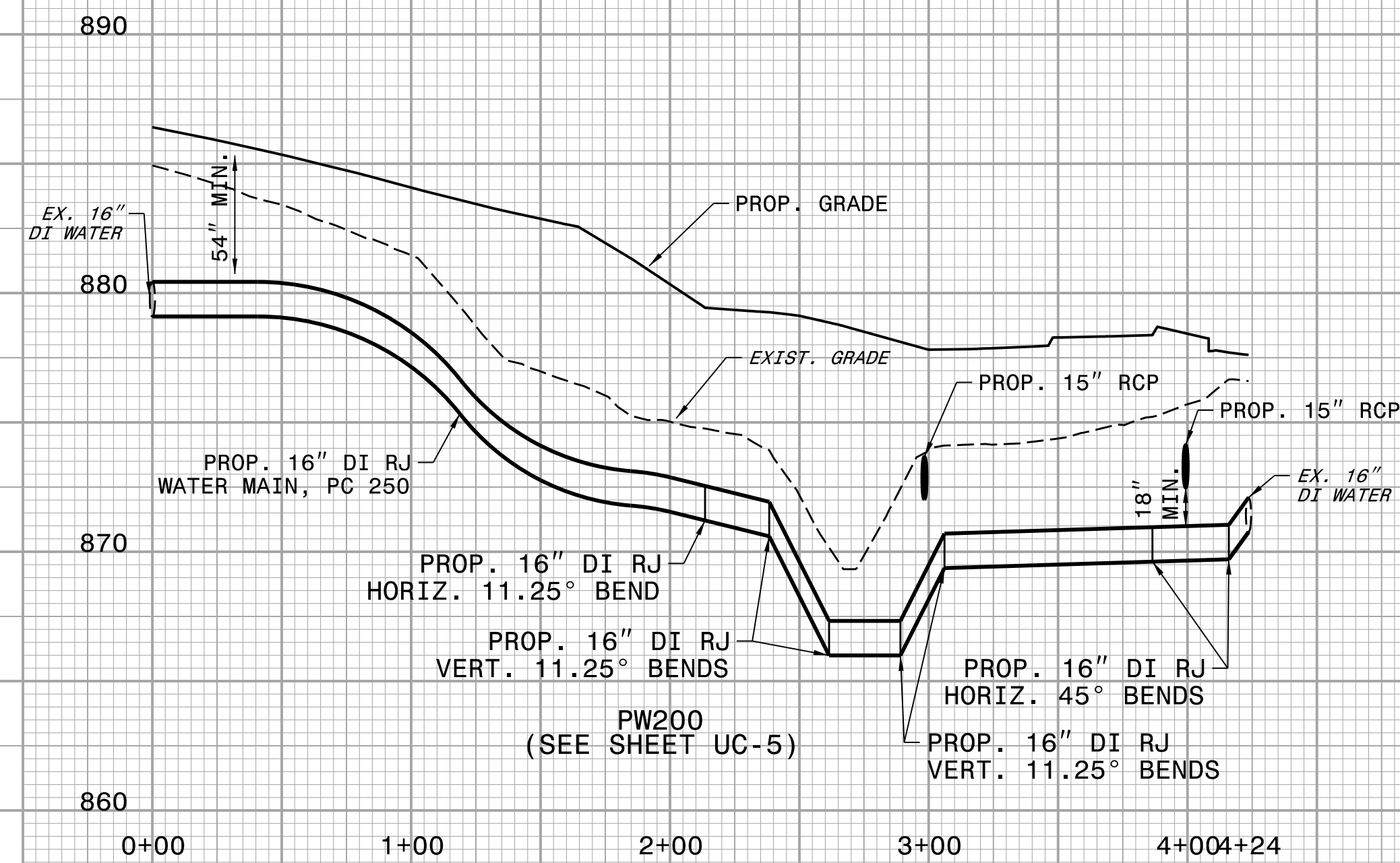
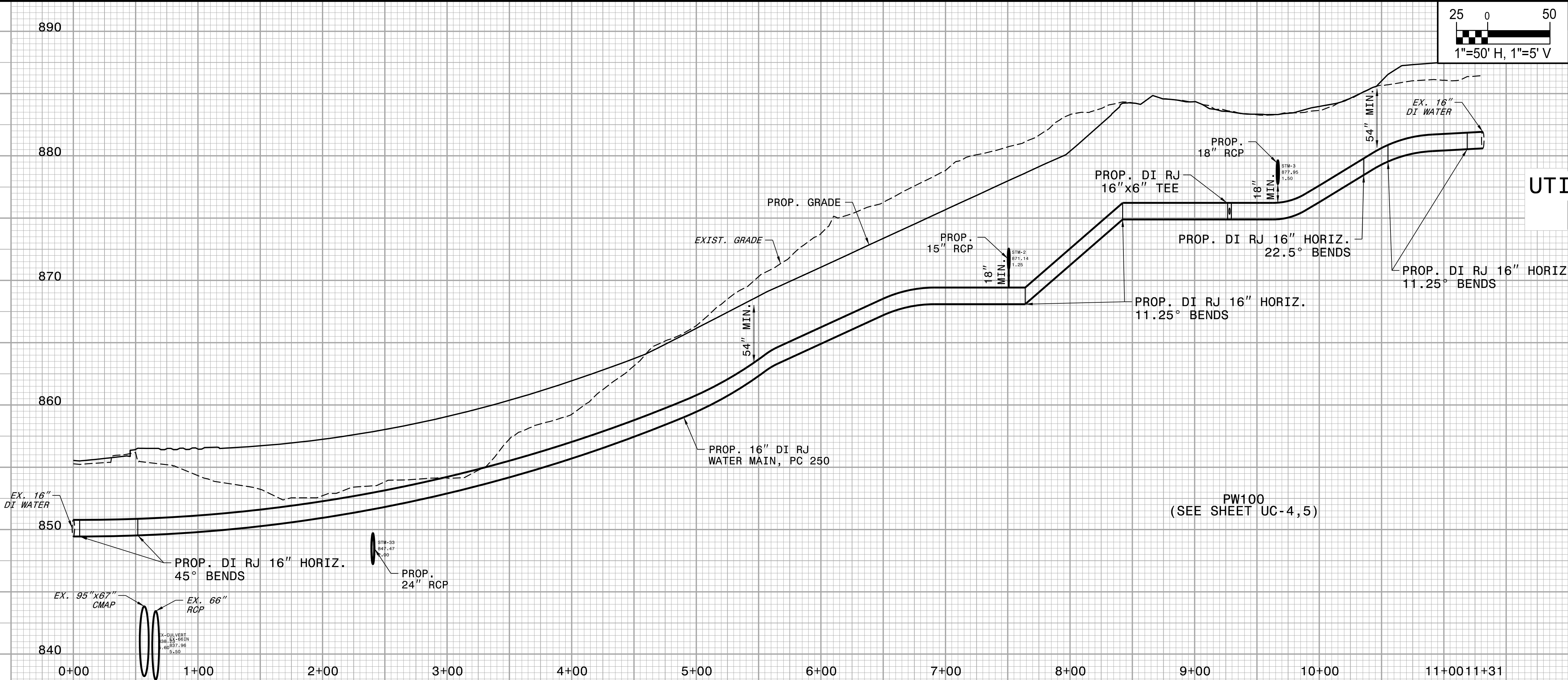


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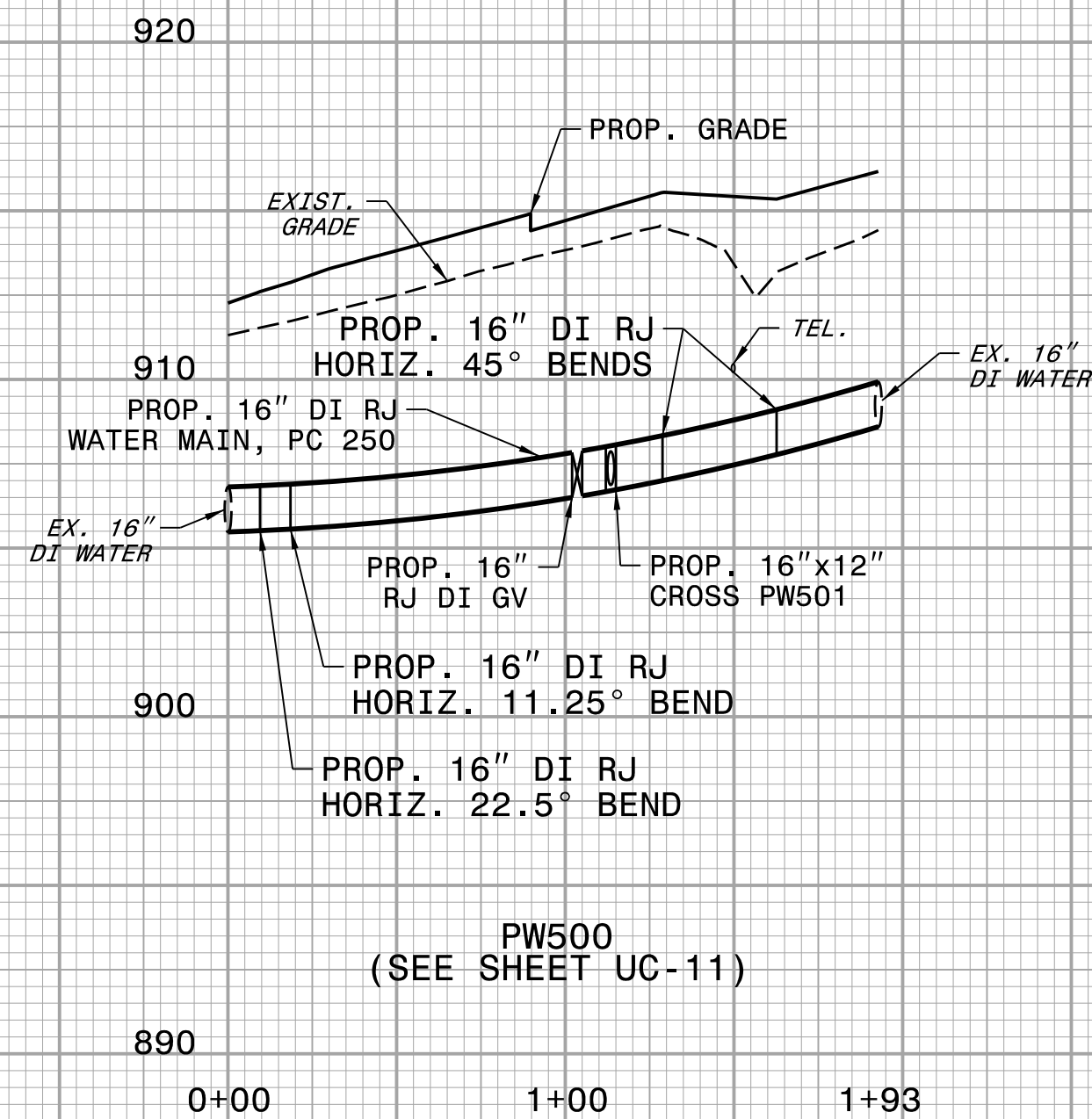
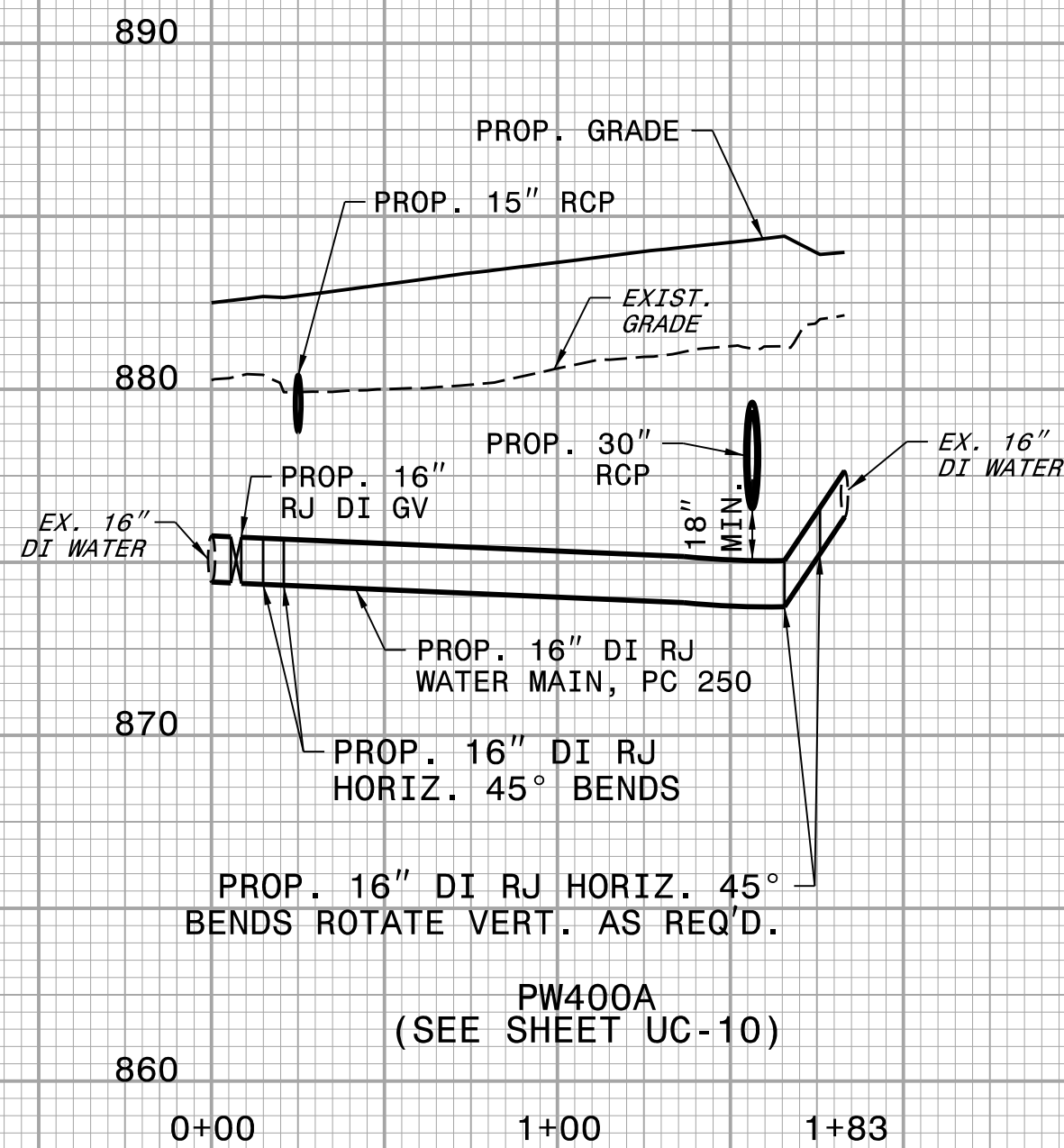
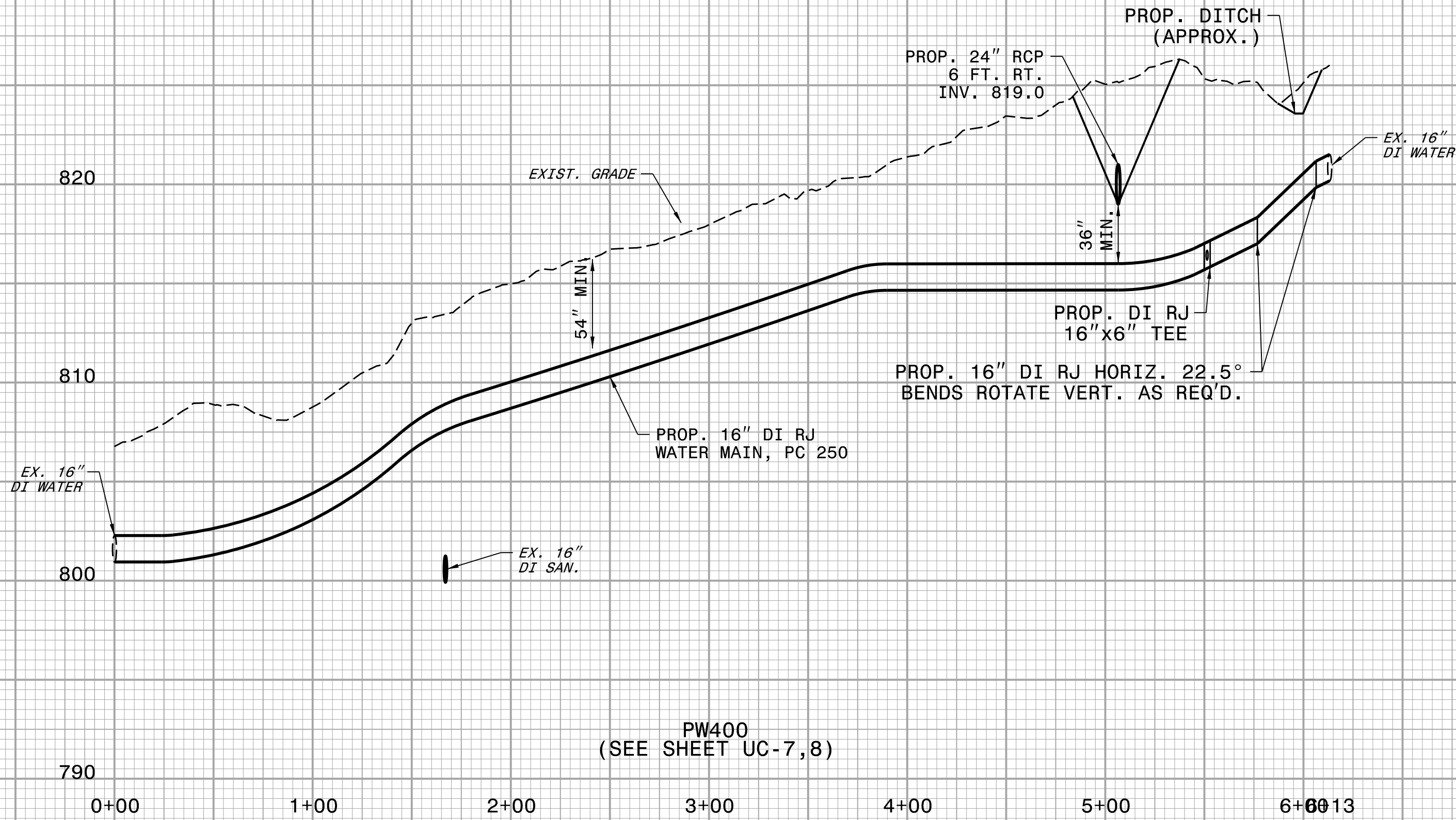
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-29
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

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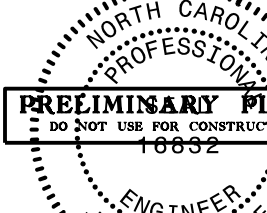
PRELIMINARY PLANS
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UTILITY AGREEMENT PLANS



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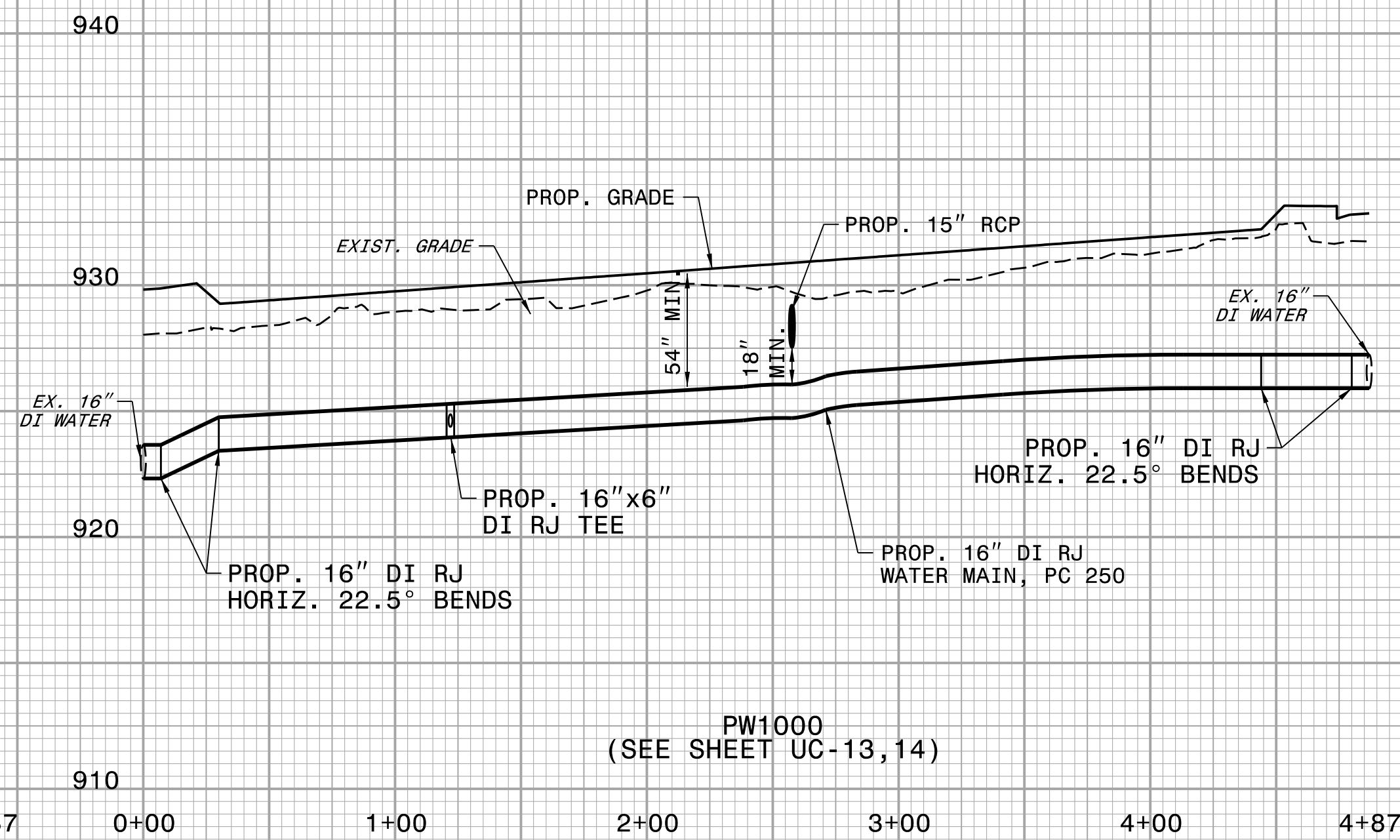
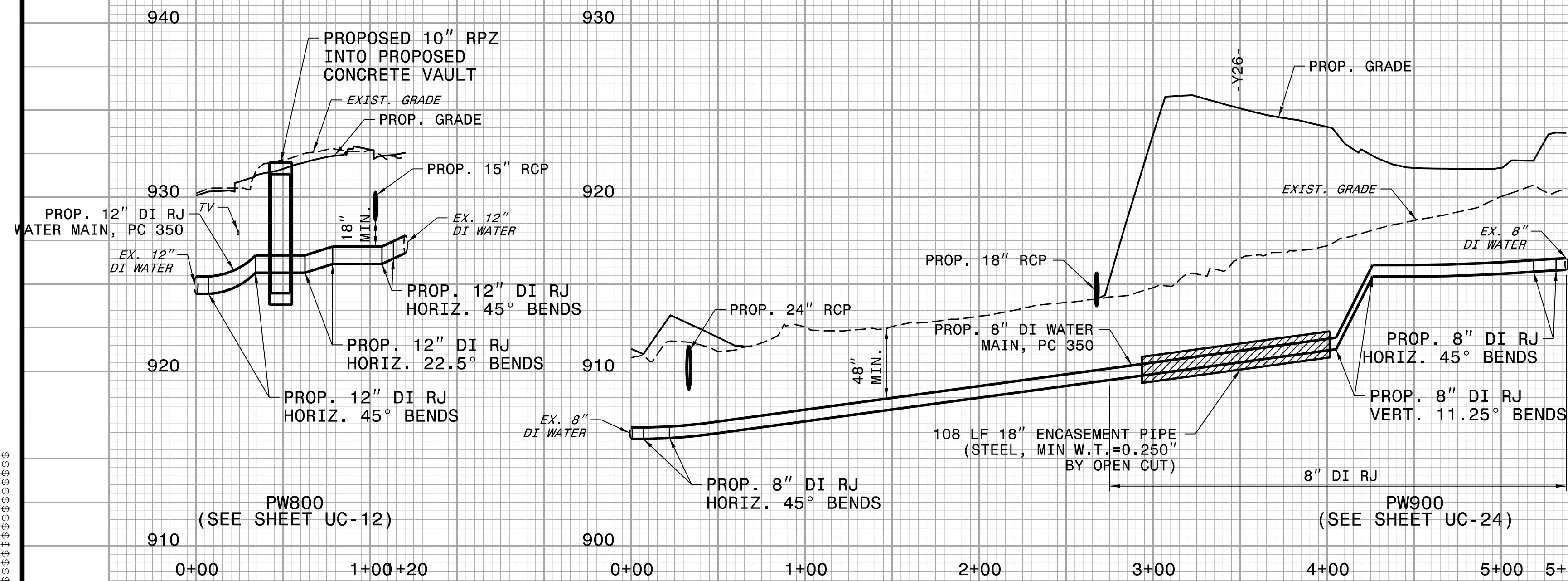
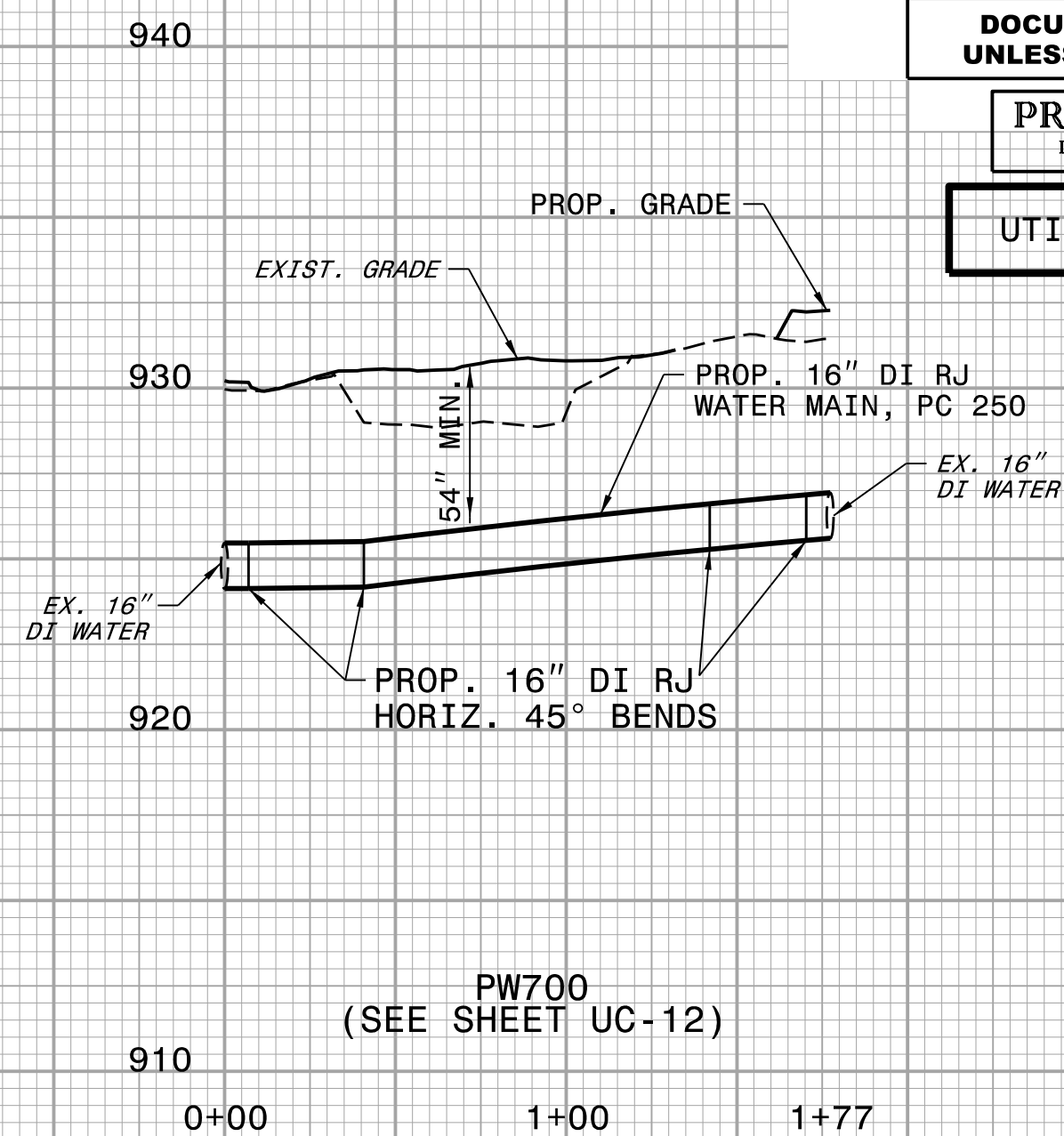
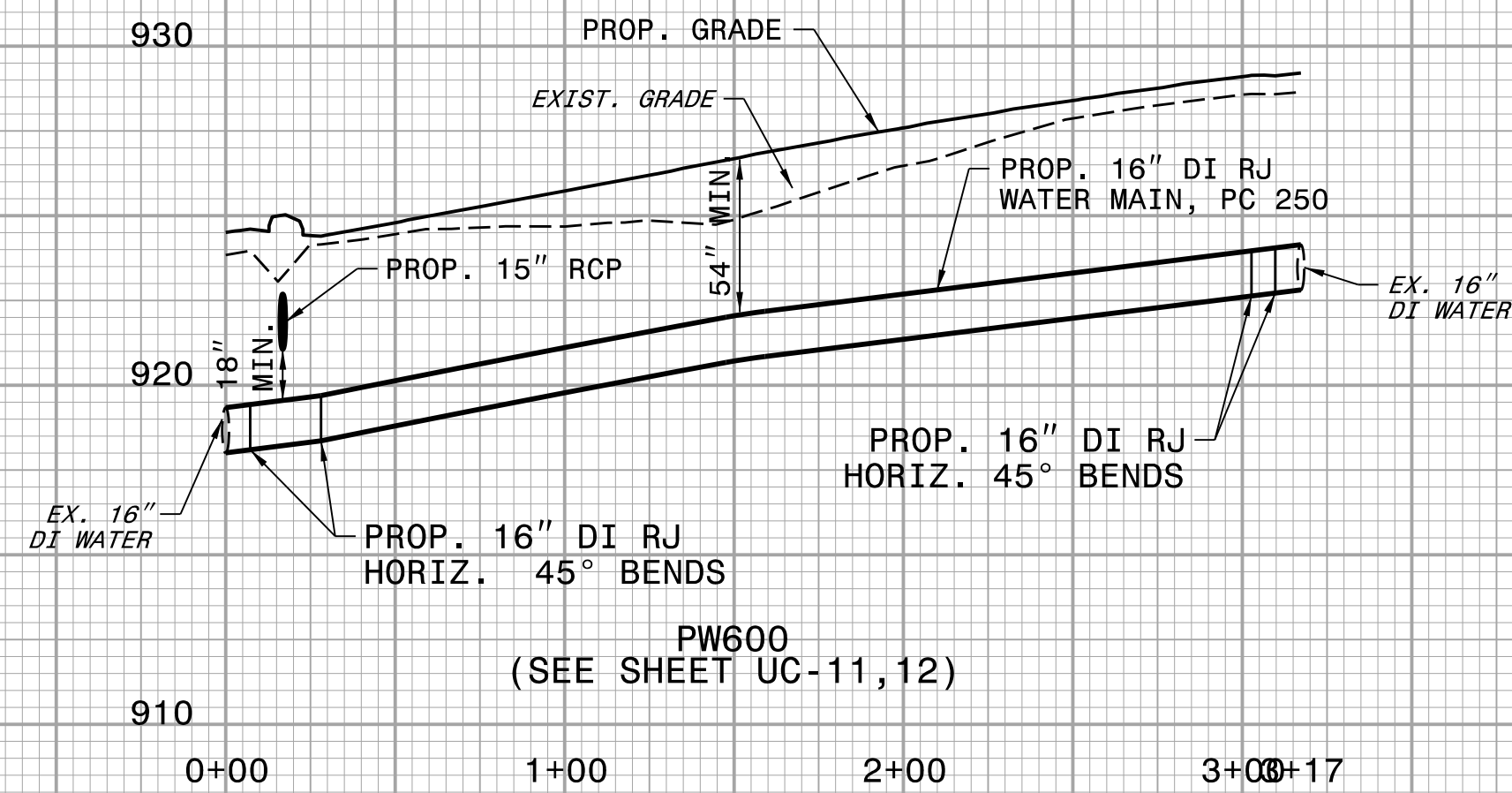
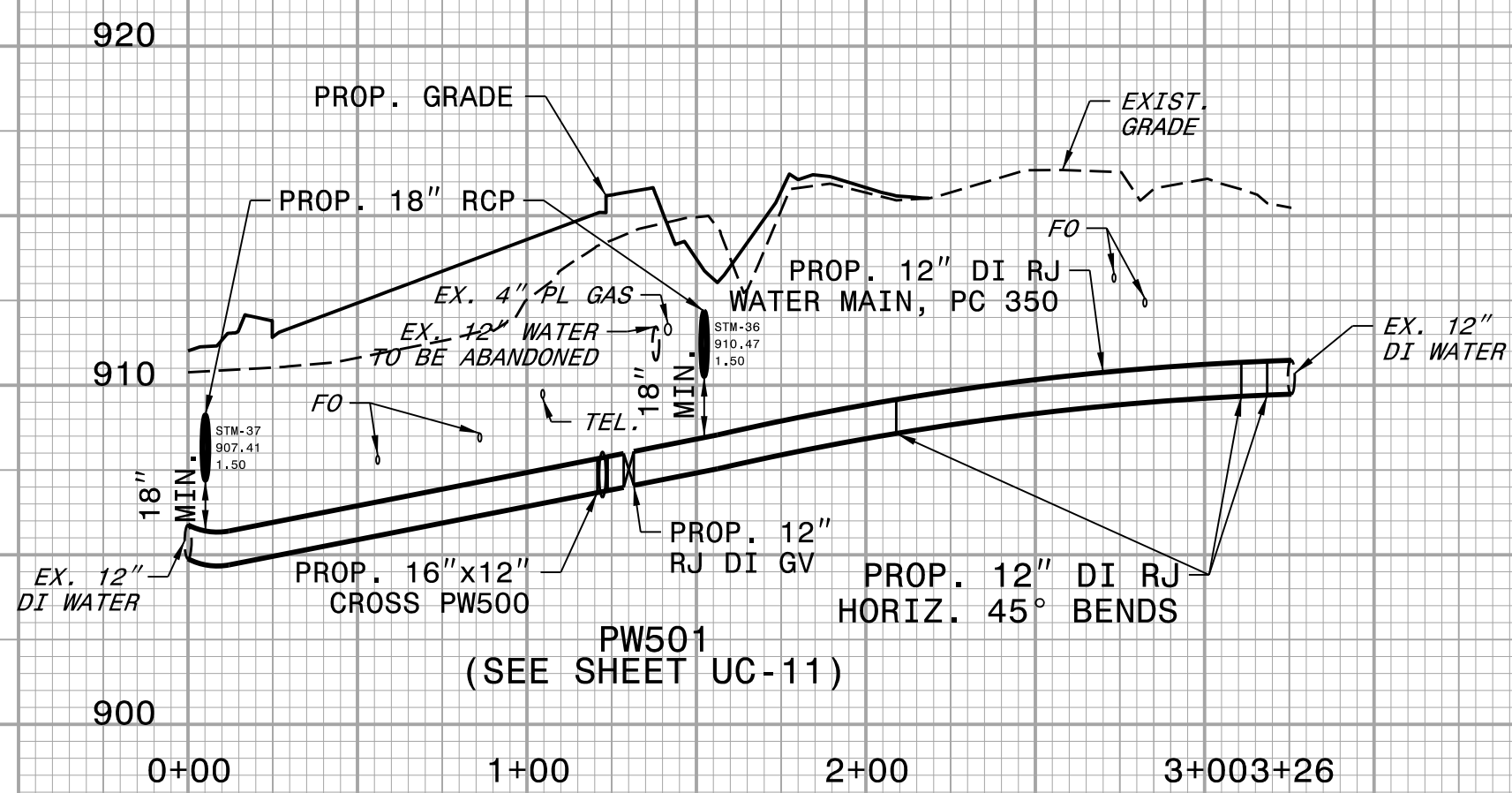
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-30
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
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UTILITY CONSTRUCTION

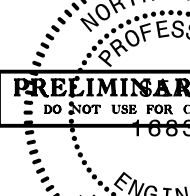
DOCUMENT NOT CONSIDERED FINAL
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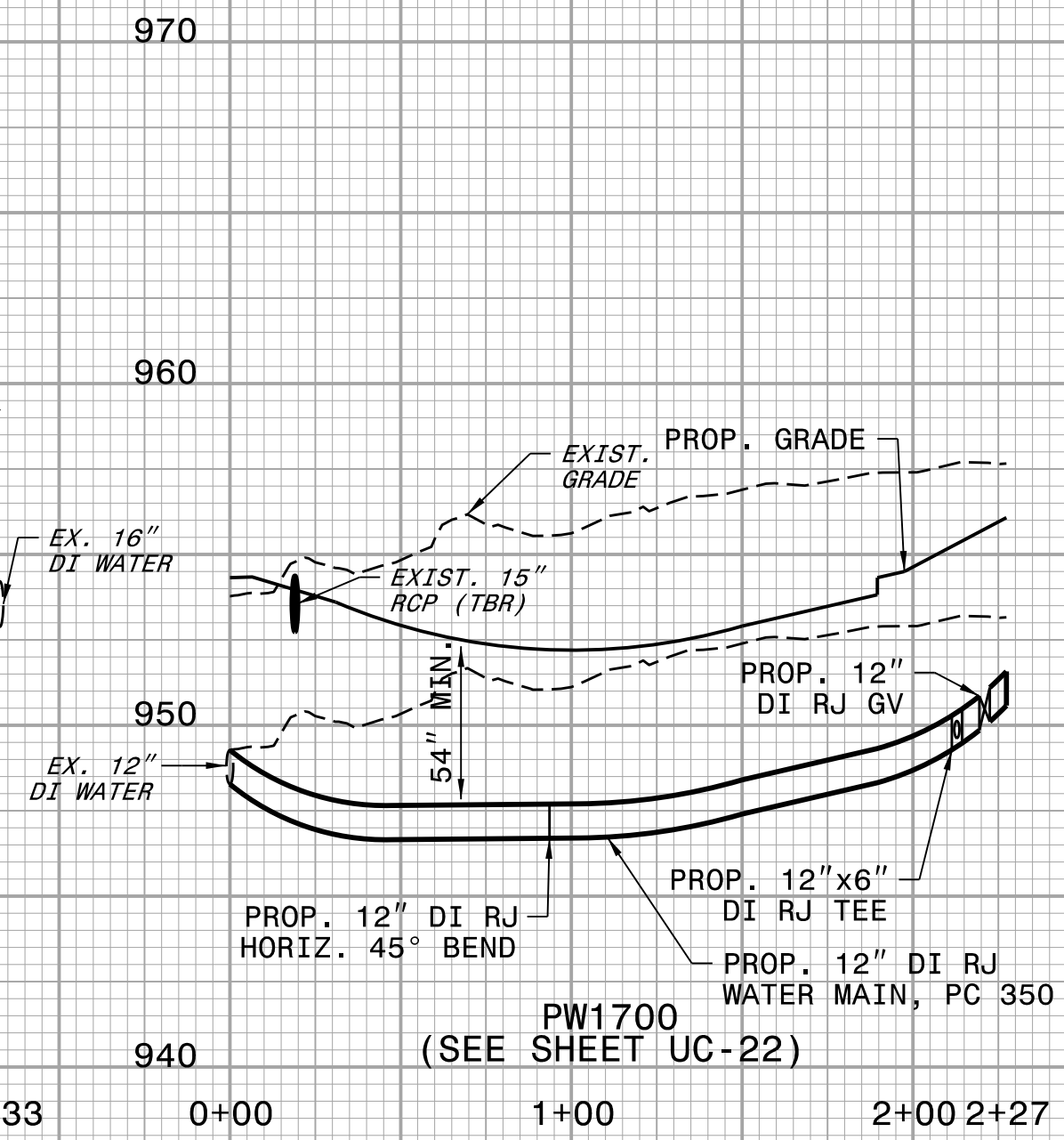
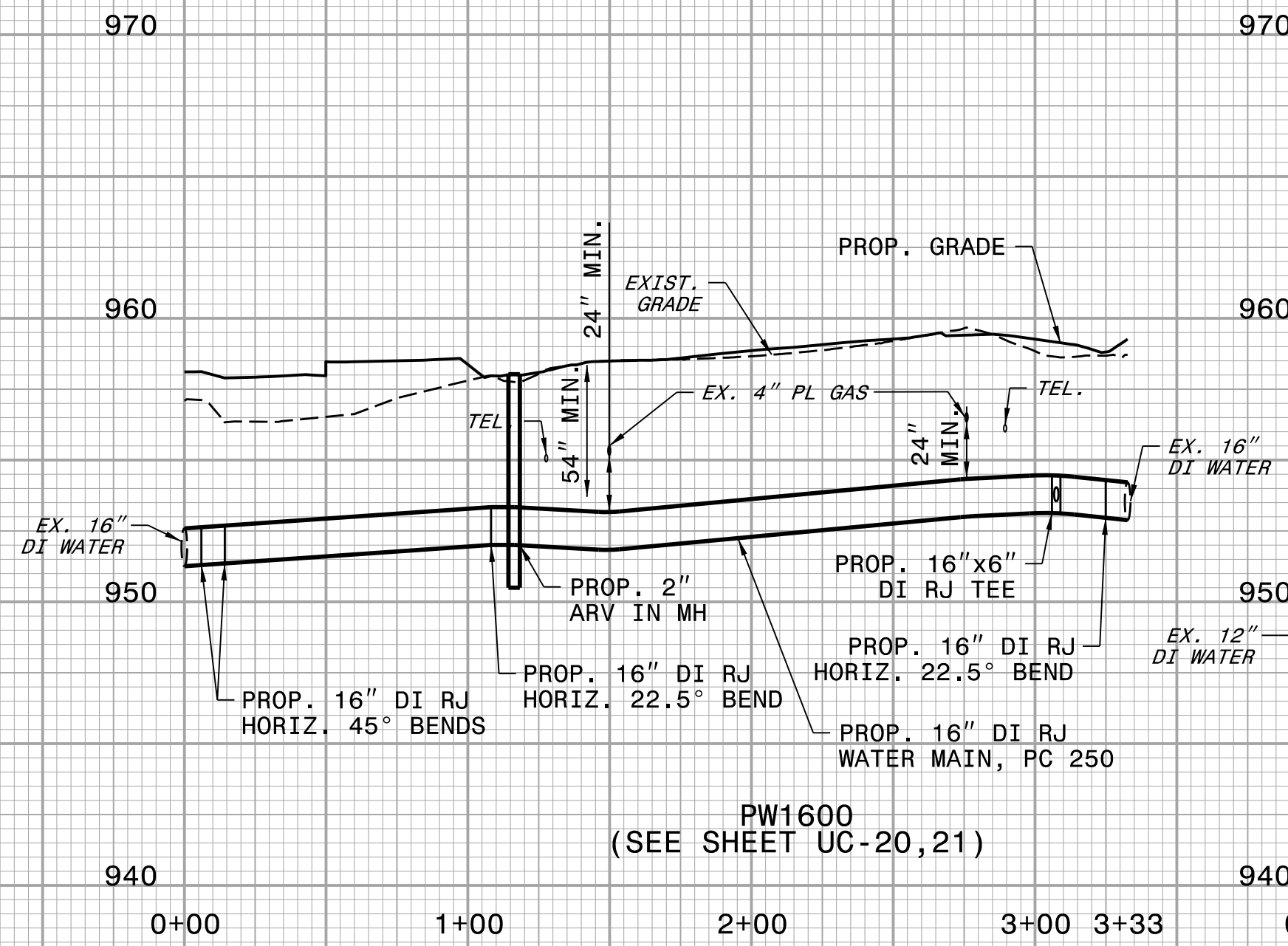
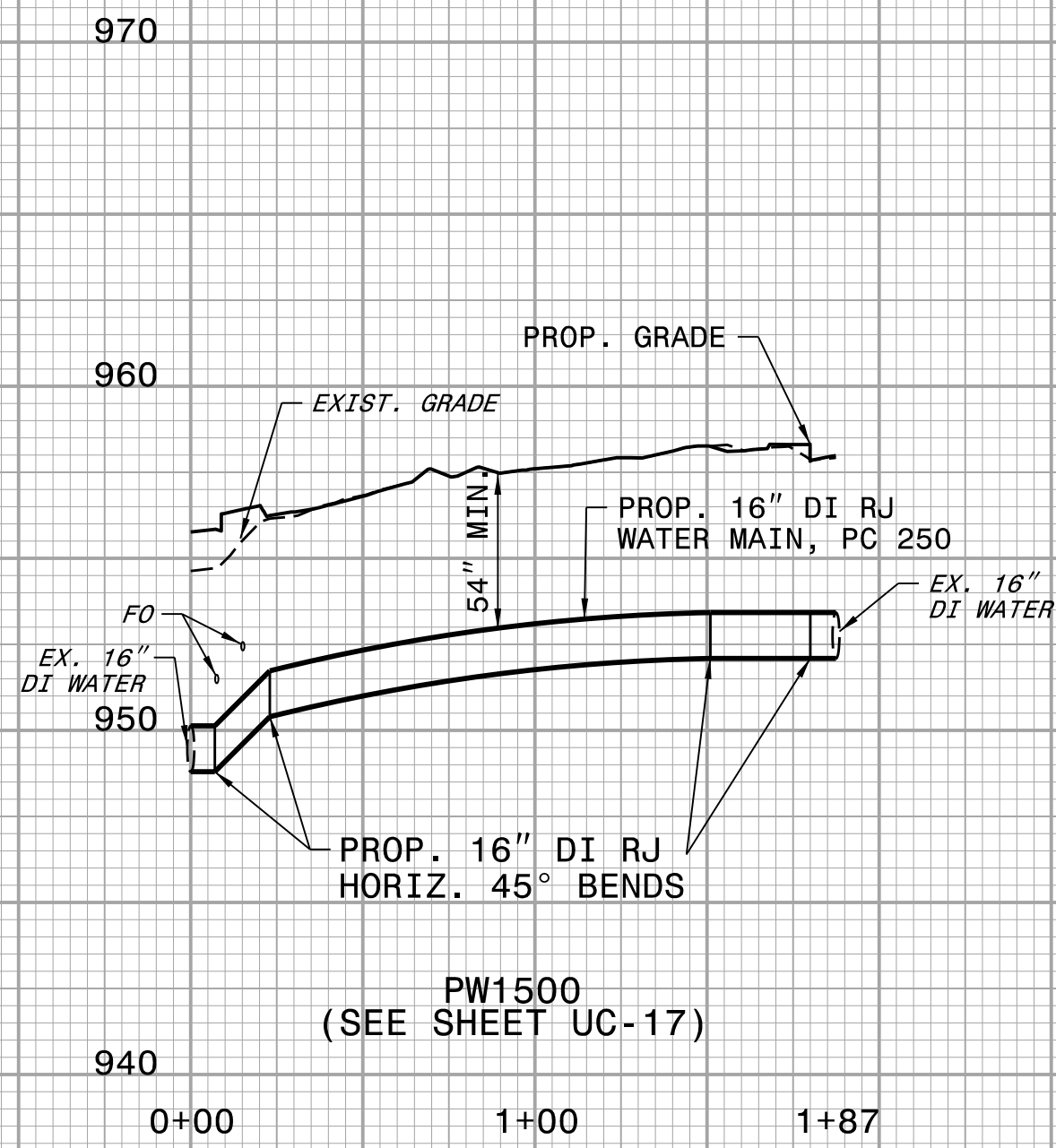
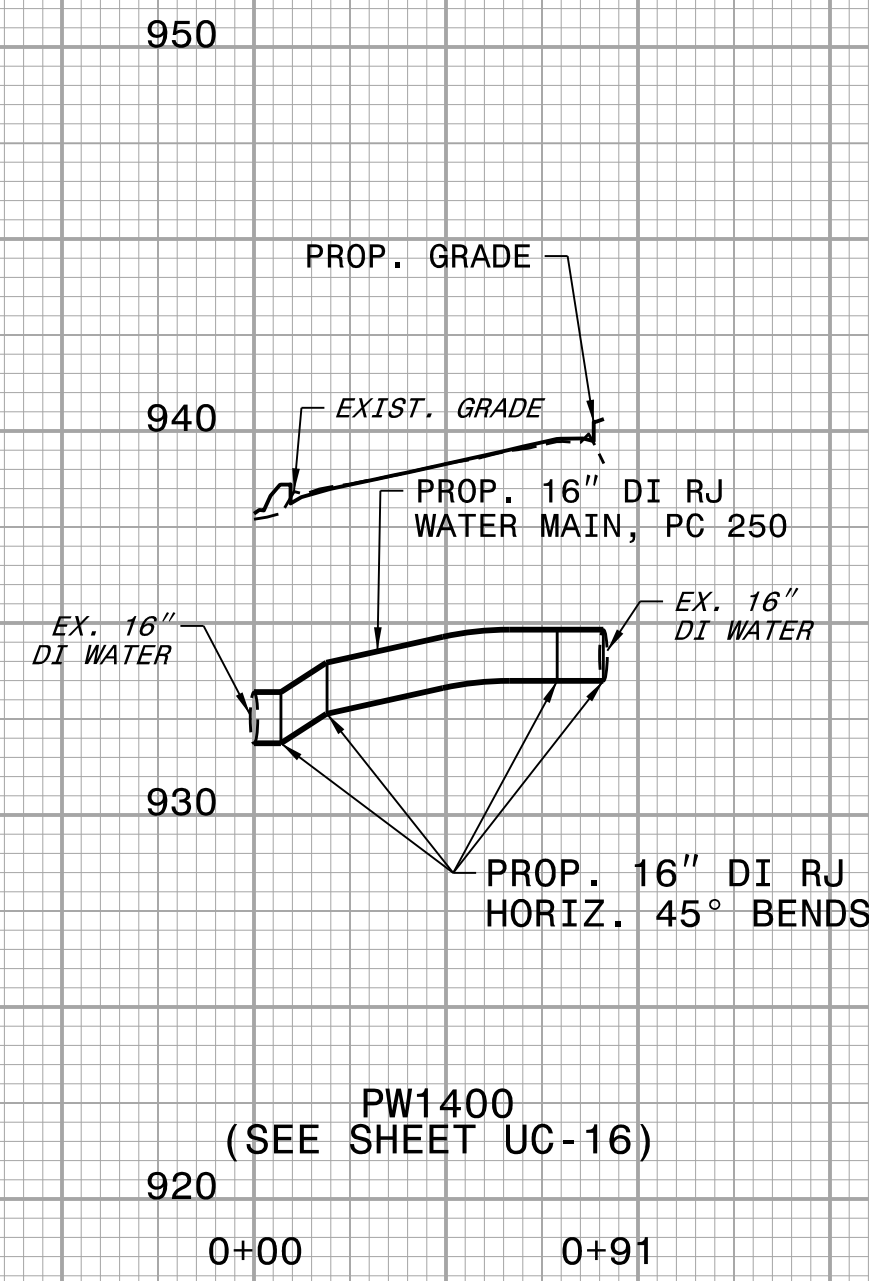
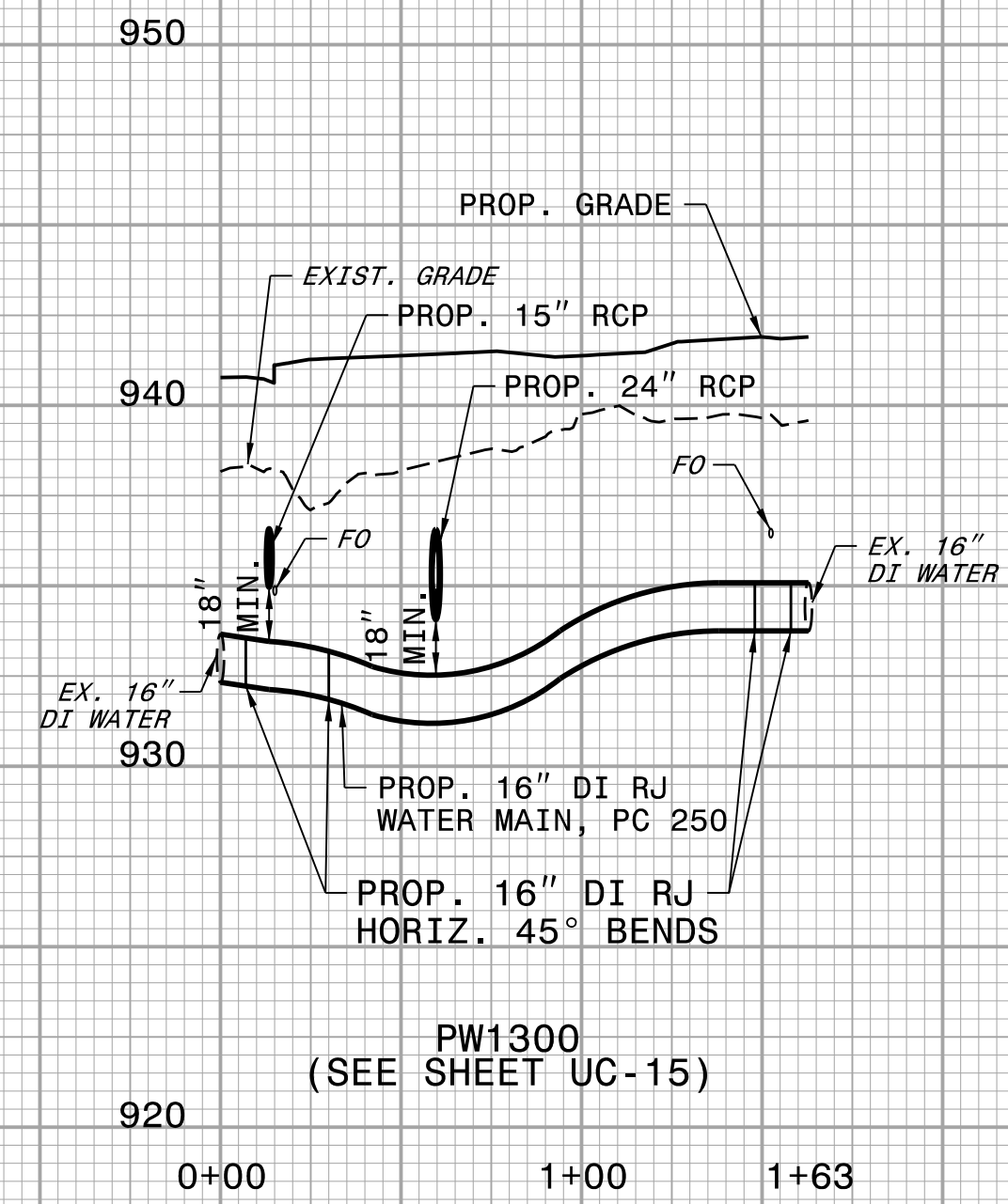
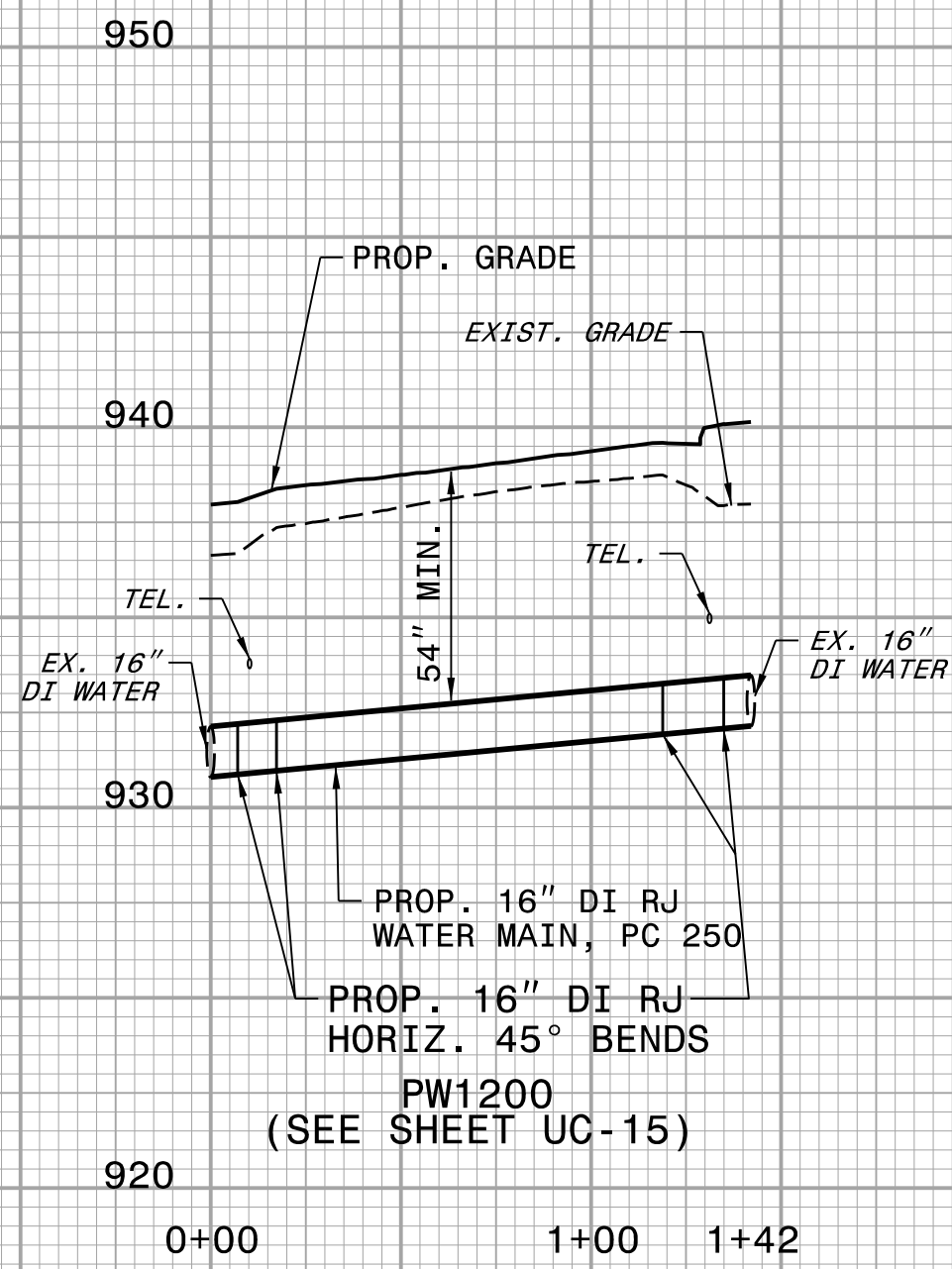
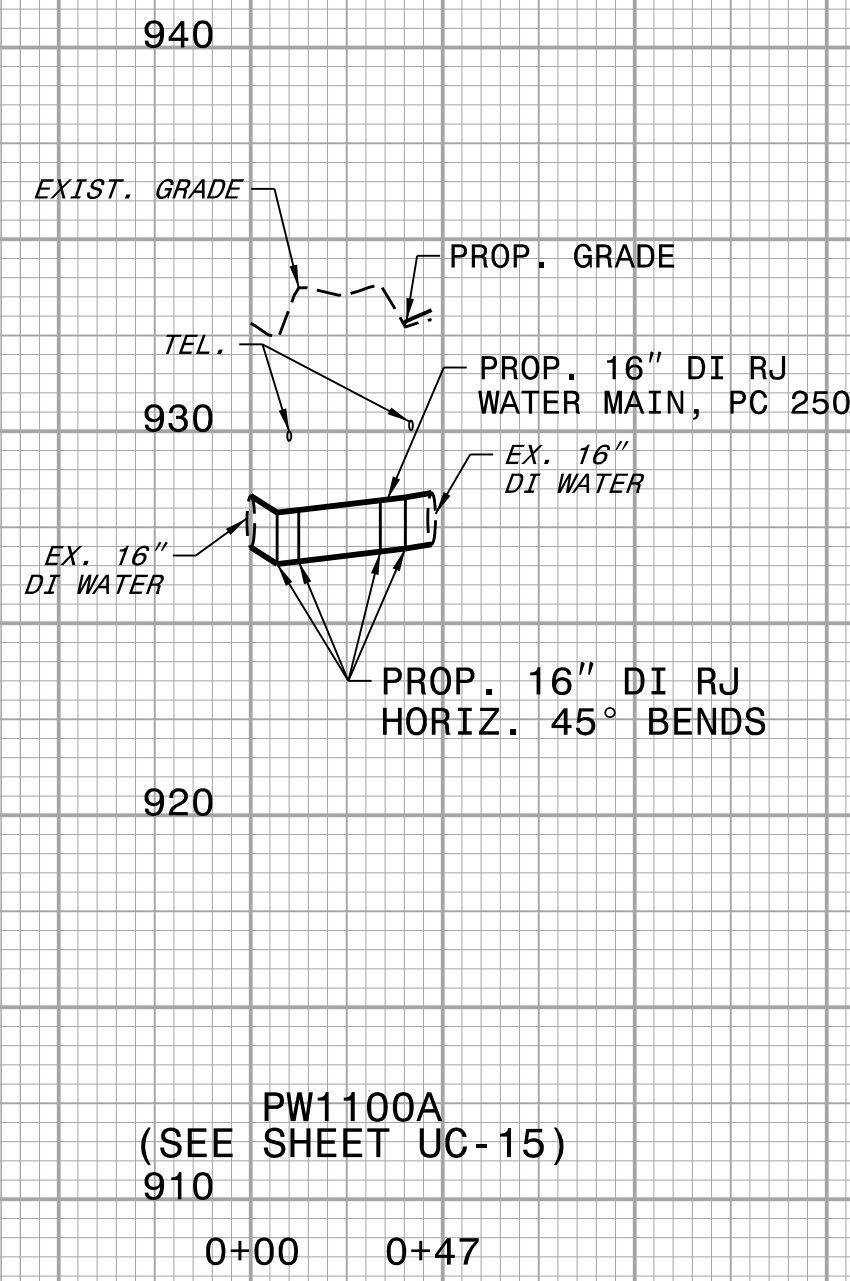
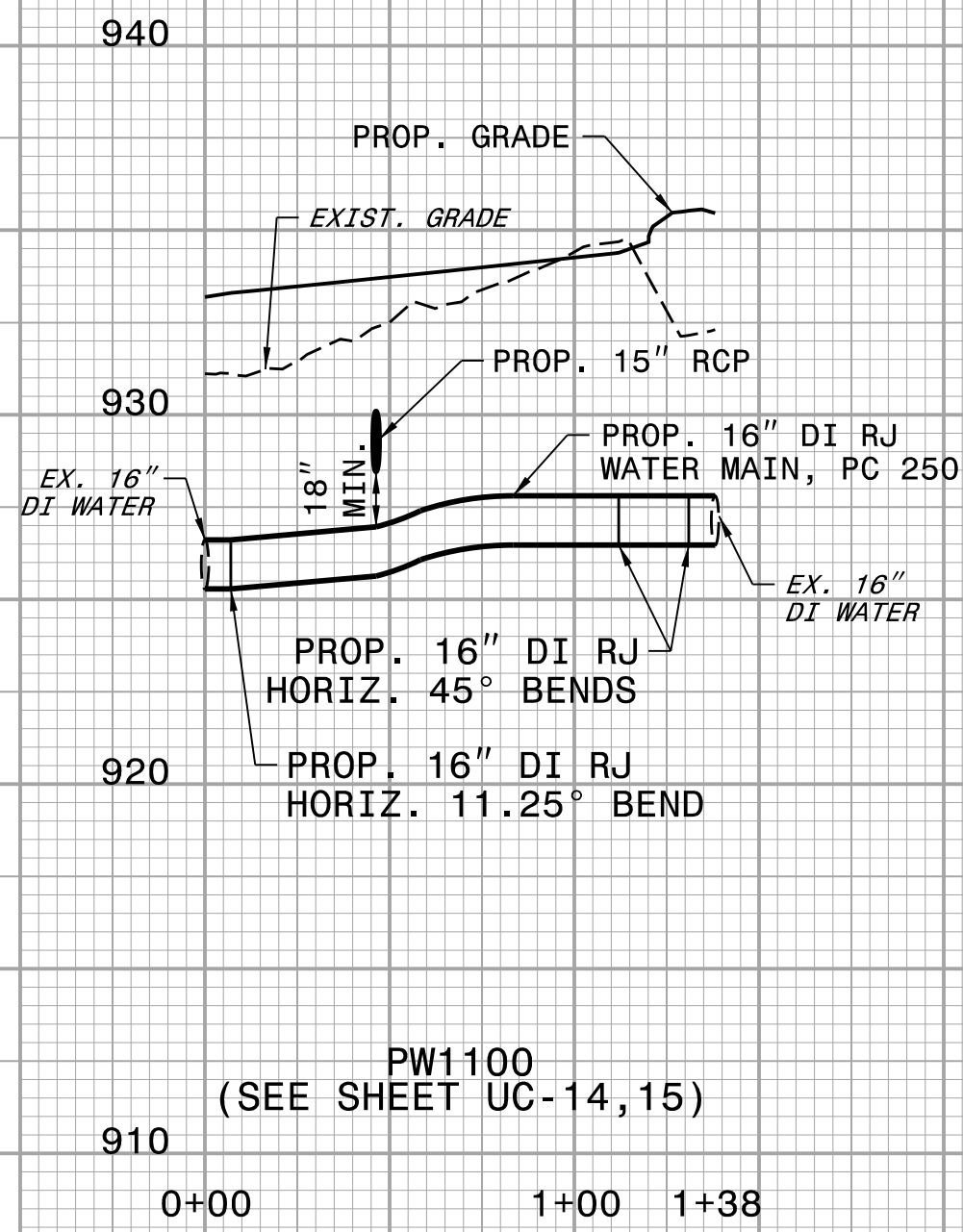
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		UC-31	
DESIGNED BY: DMP		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION 16832 ENGINEER JAMES S. WOLFE	
DRAWN BY: DMP			
CHECKED BY: DMP			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

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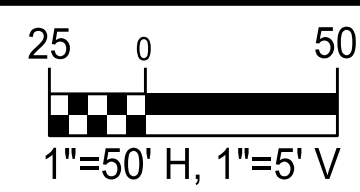
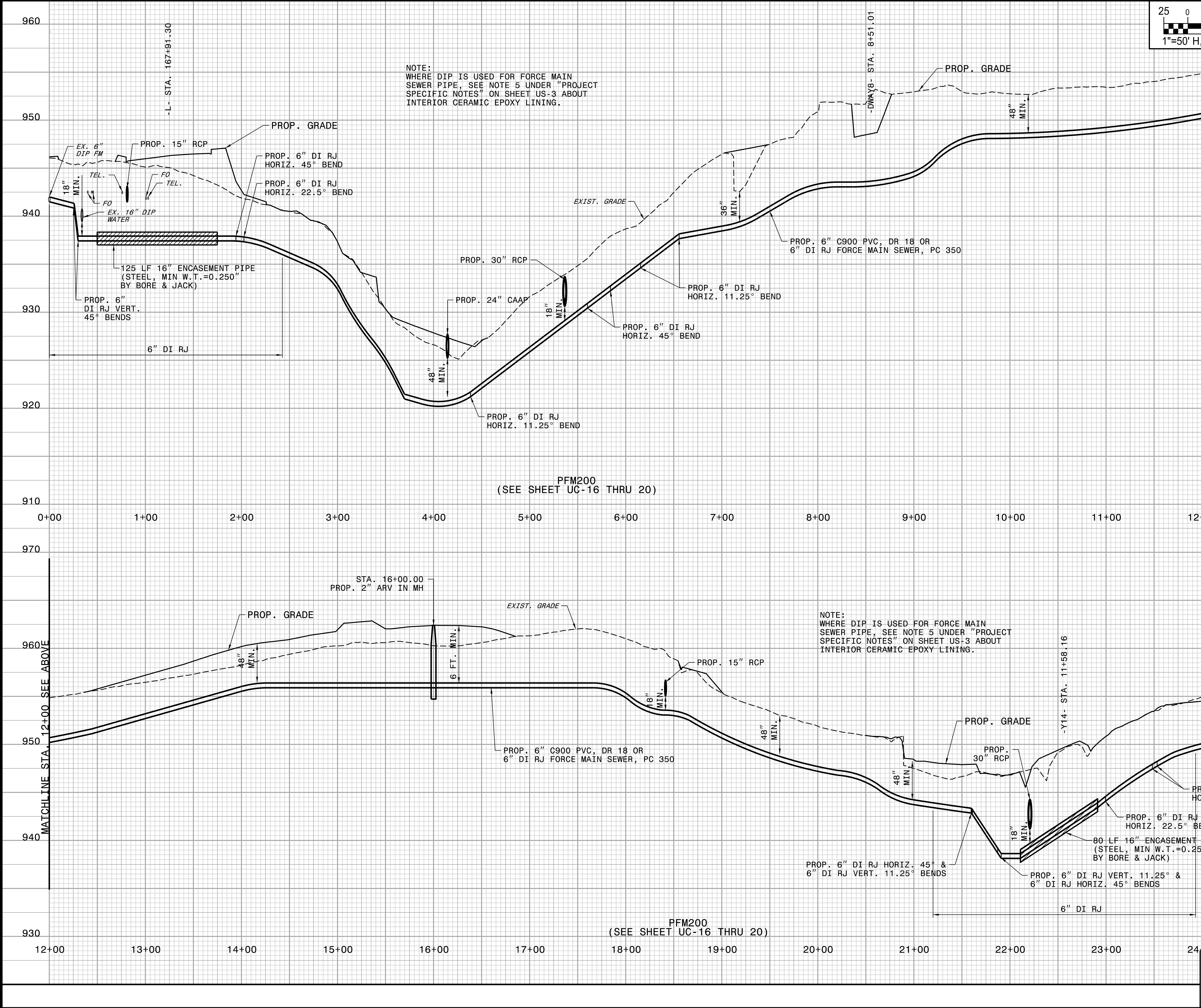
PRELIMINARY PLANS
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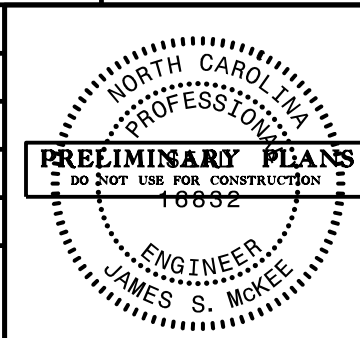
UTILITY AGREEMENT PLANS



5/14/99

SYSTEMS



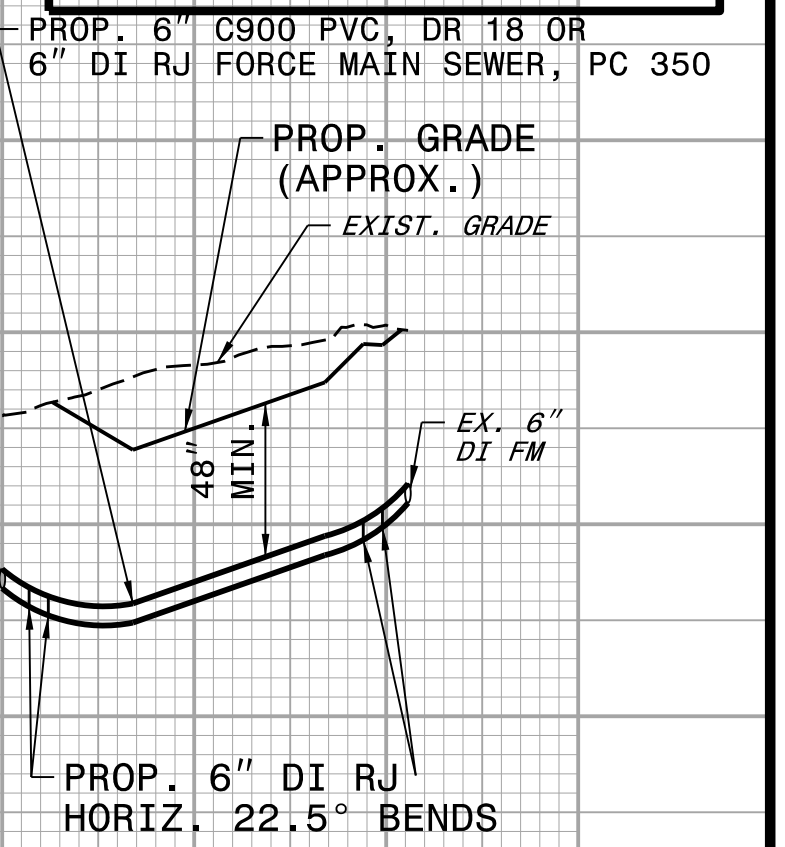
PROJECT REFERENCE NO.		SHEET NO.
U-4758		UC-32
DESIGNED BY: DMP		
DRAWN BY: DMP		
CHECKED BY: DMP		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

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DO NOT USE FOR CONSTRUCTION

UTILITY AGREEMENT PLANS



PFM100
(SEE SHEET UC-16)

PFM200
(SEE SHEET UC-16 THRU 20)

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 North Carolina Department of Transportation (NCDOT)

FROM:

Greg Venable, Transportation Director

MEETING DATE:

2/3/2025

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:

2/3/2025

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". The signature is fluid and cursive, with a large, stylized "S" at the beginning and a long, sweeping underline.

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:

2/3/2025

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:

2/3/2025

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*
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Management Fee, Administrative Overhead	\$67,223
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**Includes \$2,000 marketing allowance*

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

FROM:

City Attorney's Office

MEETING DATE:

2/3/2025

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

CITY OF HIGH POINT

AGENDA ITEM

**TITLE:**

Approval of Minutes

FROM:

City Clerk's Office

MEETING DATE:

2/3/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

N/A

ATTACHMENTS:

None

PURPOSE: Minutes to be Approved.

BACKGROUND: N/A

BUDGET IMPACT: N/A

RECOMMENDED ACTION REQUESTED: City Council is requested to approve the following minutes:

Regular Meeting of the High Point City Council Minutes – November 18, 2024 @ 5:30 p.m.

Special Council Retreat Meeting of the High Point City Council Minutes – November 21-22, 2024 @ 8:30 a.m.

Community Development Committee Minutes – January 7, 2025 @ 4:00 p.m.

Prosperity, Livability & Safety Committee Minutes – January 9, 2025 @ 9:00 a.m.

Finance Committee Minutes – January 9, 2025 @ 4:00 p.m.

Special Meeting of the High Point City Council Minutes – January 13, 2025 @ 4:00 p.m.

Regular Meeting of the High Point City Council Minutes – January 13, 2025 @ 5:30 p.m.

CITY OF HIGH POINT

AGENDA ITEM



TITLE:

National Register Nomination - Mendenhall House

FROM:

Michael Harvey, AICP, CFM, CZO, Interim
Planning & Development Director

MEETING DATE:

2/3/2025

PUBLIC HEARING:

No

ADVERTISED DATE/BY:

January 4 & 8, 2025

ATTACHMENTS:

1. HPC Memo
2. Location Map
3. Photos- Mendenhall House and Property
4. National Register Nomination Report
5. Fact Sheet - National Register Criteria for Evaluation
6. Presentation

PURPOSE: To review and make a recommendation as to whether the nomination meets the criteria for listing in the National Register of Historic Places after providing a forum for public comment.

BACKGROUND: This fulfills the City's obligation under the State Historic Preservation Office's Certified Local Government (CLG) program to provide an opportunity for public comment on the nomination, and for Council to comment on the nomination.

BUDGET IMPACT: There is no budget impact.

RECOMMENDED ACTION REQUESTED:

1. Staff Recommendation

Staff recommended **approval** of this request as outlined in the attached memo.

2. Historic Preservation Commission Action

The Historic Preservation Commission unanimously recommended the National Register Nomination application be approved at its January 9, 2025 meeting by a vote of 6-0.

3. City Council Action

City Council is requested to provide a recommendation to the NC National Register Advisory Committee that the Elihu, Ann, and Abigail Mendenhall House located at 1106 Skeet Club Road be listed on the National Register of Historic Places, as the nomination meets the required criteria.

To: Historic Preservation Commission Members

From: David FencI, Senior Planner

Meeting Date: January 9, 2025

Subject: National Register Nomination for the Elihu, Ann, and Abigail Mendenhall House, 1106 Skeet Club Road

PURPOSE:

As a Certified Local Government (CLG), the Historic Preservation Commission (HPC) is provided an opportunity to comment on proposed National Register nominations within High Point by the State Historic Preservation Office (SHPO) prior to the nomination being presented to the North Carolina National Register Advisory Committee (NRAC). Under the terms of its certification agreement with the SHPO, the HPC is also to provide an opportunity for public comment on any proposed National Register nominations.

Attached for the Commission's review and recommendation is the nomination application for the Elihu, Ann, and Abigail Mendenhall House to be listed on the National Register of Historic Places. The Elihu, Ann, and Abigail Mendenhall House is located at 1106 Skeet Club Road and is owned by Raul Cardona-Torres and Sandra L Romero-Torres. The National Register Nomination Report has been prepared by Samantha Stewart of Gate City Preservation, LLC and Benjamin Briggs.

STAFF ANALYSIS:

The Elihu, Ann, and Abigail Mendenhall House, is located on an approximately 6.43 acre residual tract of an earlier, substantial farm established in the late eighteenth century within the historically rural community of Deep River. The primary structure consists of a c. 1850, two-story, symmetrical five-bay, double-pile Greek Revival house with some Romantic Period embellishments and a rear ell dating from the 1810s. Other resources on the property include the foundation of an early spring house, located northwest of the main house, and clustered to the east of the house, a 1952 grain silo, a c. 1920 processing house, and a c. 2000 stable. The property still retains such rural characteristics as fields, hedges, and groves of sugar maple, locust, and walnut trees.

The Elihu, Ann, and Abigail Mendenhall House takes many features from the then popular Greek Revival style of architecture, including a double-leaf front door flanked by sidelights and transom, a temple-form front porch, six-over-six windows and post and lintel mantels. Romantic Period embellishments include wide eaves with exposed rafters and lattice porch supports with scalloped brackets. The structure of the house incorporates post and beam construction with platform framing techniques used for floor systems. The foundation of the



house is comprised of locally produced brick laid in a running bond. The exterior is weatherboarded and features wide, eleven-inch baseboards, six-inch wide corner posts, and raking eaves of revealed rafter and purlin ends.

Elihu Mendenhall, along with his first wife Anna and second wife Abigail, were central figures among North Carolina Quakers in the years before and after the Civil War. Proponents of education and abolition, Mendenhall family members were tanners, but also ran a general store adjacent to the house. The farm was later known as Blairwood Dairy, a supplier of milk and cream to High Point residents as well as the Sheraton Hotel.

According to the National Register Nomination Report, the Elihu, Ann, and Abigail Mendenhall House is significant at the statewide level under National Register Criterion A in the areas of Education and Social History and at the local level under Criterion C for its Greek Revival architecture with Romantic Period, Picturesque embellishments. The property is eligible at the statewide level under Criterion A for Education and Social History because it is an excellent representative property connected to three statewide movements: 1) the manumission and migration of over 1,000 freedmen by the Meeting for Sufferings of the North Carolina Society of Quakers; 2) the transportation of self-emancipated Black freedom seekers through the Underground Railroad; and 3) the education of Black students by southern Quakers before and after Emancipation. Along with its statewide significance under Criterion A, the main house is eligible locally under Criterion C as an outstanding example of Greek Revival architecture in Guilford County. The period of significance ranges from the construction of the main house in c. 1850 to 1919, the year the Mendenhall family sold the property.

This application will be presented to, and reviewed by, the North Carolina National Register Advisory Committee (NRAC) at its meeting on February 13, 2025. The Commission is being asked to comment on whether the Elihu, Ann, and Abigail Mendenhall House meets the requirements for listing in the National Register, to take any public comment offered regarding the application, and to make a recommendation to the NC NRAC. To assist in determining the merit of the application, a fact sheet entitled *National Register Criteria for Evaluation*, prepared by the State Historic Preservation Office, has been included in the agenda packet. All comments will be forwarded to the NC NRAC before the February 13th meeting. A favorable review by the NC NRAC will mean an endorsement by the State Historic Preservation Officer, Dr. Darin J. Waters, and the application will be forwarded to the Department of the Interior for final review and listing in the National Register of Historic Places.

RECOMMENDATION / ACTION REQUESTED:

Staff recommends the Historic Preservation Commission recommend approval of the National Register nomination for the Elihu, Ann, and Abigail Mendenhall House.

Attachments: Location Map
 National Register Criteria for Evaluation
 National Register Nomination Application

GUILFORD
COUNTY

SKEET CLUB RD

GENTRY CT

JOHNSON ST

GLENN MEADE DR

HUNTERWOODS DR

National Register Nomination

Elihu, Ann, and Abigail Mendenhall House
1106 Skeet Club Road



PLANNING AND
DEVELOPMENT



Scale: 1" = 200'

Subject Property Boundary



GUILFORD
COUNTY

SKEET CLUB RD

GENTRY CT

JOHNSON ST

GLENN MEADE DR

HUNTERWOODS DR

National Register Nomination

Elihu, Ann, and Abigail Mendenhall House
1106 Skeet Club Road

CITY OF
high point.

PLANNING AND
DEVELOPMENT



Scale: 1" = 200'

Subject Property Boundary



United States Department of the Interior
National Park Service**National Register of Historic Places Registration Form**

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in National Register Bulletin, *How to Complete the National Register of Historic Places Registration Form*. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions.

1. Name of PropertyHistoric name: Elihu, Ann, and Abigail Mendenhall HouseOther names/site number: Mendenhall-Blair House (GF1544)

Name of related multiple property listing:

N/A

(Enter "N/A" if property is not part of a multiple property listing)

2. LocationStreet & number: 1106 Skeet Club RoadCity or town: High Point State: North Carolina County: Guilford CountyNot For Publication: ☐Vicinity: ☐**3. State/Federal Agency Certification**

As the designated authority under the National Historic Preservation Act, as amended,

I hereby certify that this X nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60.

In my opinion, the property meets does not meet the National Register Criteria. I recommend that this property be considered significant at the following level(s) of significance:

 national X statewide X local

Applicable National Register Criteria:

X A B X C D

Signature of certifying official/Title:

Date

North Carolina Department of Natural and Cultural Resources

State or Federal agency/bureau or Tribal Government

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In my opinion, the property __meets __does not meet the National Register criteria.

Signature of commenting official:

Date

Title :

**State or Federal agency/bureau
or Tribal Government**

4. National Park Service Certification

I hereby certify that this property is:

__entered in the National Register

__determined eligible for the National Register

__determined not eligible for the National Register

__removed from the National Register

__other (explain:) _____

Signature of the Keeper

Date of Action

5. Classification

Ownership of Property

(Check as many boxes as apply.)

Private:

☒

Public – Local

☐

Public – State

☐

Public – Federal

☐

Elihu, Ann, and Abigail Mendenhall House
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Category of Property

(Check only **one** box.)

Building(s)

☒

District

☐

Site

☐

Structure

☐

Object

☐

Number of Resources within Property

(Do not include previously listed resources in the count)

Contributing

1

Noncontributing

4

buildings

1

2

sites

0

0

structures

0

0

objects

2

6

Total

Number of contributing resources previously listed in the National Register 0

6. Function or Use
Historic Functions

(Enter categories from instructions.)

DOMESTIC/single dwelling

AGRICULTURE/ SUBSISTENCE

Current Functions

(Enter categories from instructions.)

DOMESTIC/single dwelling

Elihu, Ann, and Abigail Mendenhall House
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7. Description

Architectural Classification

(Enter categories from instructions.)

Greek Revival/Italianate

Materials: (enter categories from instructions.)

Principal exterior materials of the property: WOOD/weatherboard, STUCCO, BRICK, FIBERGLASS

Narrative Description

(Describe the historic and current physical appearance and condition of the property. Describe contributing and noncontributing resources if applicable. Begin with a **summary paragraph** that briefly describes the general characteristics of the property, such as its location, type, style, method of construction, setting, size, and significant features. Indicate whether the property has historic integrity.)

Summary Paragraph

The Elihu, Ann, and Abigail Mendenhall House is located on a 6.43-acre residual tract of an earlier, substantial farm established in the late eighteenth century. The property is located in western Guilford County within the historically rural community of Deep River, North Carolina, and maintains a setting representative of the once agrarian district. The primary structure consists of a c. 1850, two-story Greek Revival house with some Romantic Period embellishments and a rear ell dating from the 1810s. Located four miles north of downtown High Point, the house is oriented to the north and fronts Skeet Club Road across its broad, sloping lawn. A gravel drive presently rises across the lawn from the road, passing between the outbuildings and the house before encircling the house and intersecting with itself on the front lawn. Other resources on the property include the foundation of an early spring house, located northwest of the main house, and clustered to the east of the house, a 1952 grain silo, a c. 1920 processing house, and a c. 2000 stable. Although located in a rapidly suburbanizing area of High Point, the farm still retains such rural characteristics as fields, hedges, and groves of sugar maple, locust, and walnut trees. Some specimens of pecan and red maple are quite old and venerable. The front of the house looks north across Skeet Club Road to property that has been divided into six-acre tracts and is protected from further development by strict covenants.

Elihu, Ann, and Abigail Mendenhall House
Name of Property

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Narrative Description

A. Elihu, Ann, and Abigail Mendenhall House **c. 1850** **Contributing Building**

Exterior

The Elihu, Ann, and Abigail Mendenhall House is a high-sited and imposing two-story, double-pile house arranged on a center hall plan. Originally a two-room hall-parlor house owned by Elihu's parents James and Miriam Mendenhall, Elihu and his first wife Ann substantially expanded the home sometime between 1848, when the family moved back to Deep River, and 1856, the year Ann died. The c. 1850 date is further substantiated by the Greek Revival with Romantic Period embellishments architectural style of this main block, the presence of circular saw marks as opposed to the pitsaw marks of the earlier rear ell, and the needs of the Mendenhall's growing family at this time.

Influenced by Neoclassical precedents, the symmetrical five-bay house is topped by a tall, side-gabled roof pierced by two slender interior chimney stacks. To the rear of the house is a one-story ell composed of two rooms. One of the rooms dates to the original hall-and-parlor house, as evidenced by wooden sheathing on the walls and ceilings, pitsaw marks, and cut nails that date to this earlier period. The other room in this ell is a 1993 reconstruction of the c. 1810 parlor. The style of the house combines elements of simple Greek Revival design with modest Romantic Period embellishment. The structure of the house incorporates post and beam construction with platform framing techniques used for floor systems. King posts, a rare feature in the North Carolina Piedmont, support the high gable roof. The foundation of the main house is comprised of locally produced brick laid in a running bond. The exterior is weatherboarded and features wide, eleven-inch baseboards, six-inch-wide corner posts, and raking eaves of revealed rafter and purlin ends.

Centered in the middle of the symmetrical front (north) facade is a one-story pedimented porch roof, supported in each corner by double posts, linked by diagonally placed lattice. These paired columns have solid sculpted brackets placed at their ceiling junction. The porch pediment and the sheathing around the front door are of flush horizontal sheathing. The porch floor is wood and the railings between the columns are composed of simple wooden pickets and rails. The decorative elements on the house resemble similar details shown in drawings designed by architect Alexander Jackson Davis for proposed improvements in 1844-1846 to Blandwood, the Greensboro home of Governor John Motley Morehead and his family, and the Jesse Lindsay House, also located in Greensboro, in 1853.¹

¹ Lane, Mills, "Plan and Exterior Elevation for Additions to Jesse Lindsay House, Greensboro, by A. J. Davis, 1853," *Architecture of the Old South: North Carolina*. New York: Abbeville Press, 1985, p. 250.

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The centrally placed, oak-grained, double-leaf front door is surrounded by sidelights and a transom. The back door of the main body is also a double leaf, oak-grained, and surrounded by scaled-down versions of the front sidelights and transom. Double-hung six-over-six-sash windows appear to have been shuttered with louvered shades and are trimmed with wide boards that are mitered at the upper corners.² Originally shingled with oak, the roof is now covered with fiberglass shingles. The two interior chimneys are parged with stucco.

The two-bay side elevations of the main house (east and west) were virtually identical when constructed. During the early twentieth century, the west facade was altered to accommodate a modified bay window on the first floor adjacent to the rear ell.³

The rear (south) elevation is three bays wide and is dominated by the roof of the one-story rear porch that extends the length of the house, from the rear ell eastward to the end of the structure. East (right) of the double-leaf rear door, a room was added in the 1920s within the porch to the east of the door to accommodate a bathroom. That room was deconstructed in 1993 and replaced with a similar infill for use as a bathroom.

Extending to the south of the main block is a one-and-a-half story ell with vernacular details that dates to the c. 1810 hall-and-parlor home owned by Elihu's parents James and Miriam. Architectural evidence for this earlier construction date is found in the boxed eaves with simple moldings that are only present in this portion of the house, along with butt-jointed window surrounds, pitsaw marks, and cut nails that date to this earlier period. Though six-over-six windows and weatherboard siding unify the main block and the ell, oral tradition and construction details confirm the earlier construction date for this wing.⁴ The foundation is of dry-laid fieldstone of various sizes. The two wings join each other to form an ell that continues the porch along its eastern elevation.

This rear porch exhibits paired lattice columns, similar to the front porch, that are embellished with pierced brackets. Its facade has no skirtboard and corner boards are thinner. The dimensions of the windows are also much smaller. Double vertical panel oak-grained doors are used at the exits. The interior chimney is stucco-covered.

In the 1920s, the southern room of this ell, historically the c. 1810 parlor, was demolished. In 1993, the owner reconstructed this room, using the vocabulary of the remaining earlier room: weatherboard siding, boxed eaves, and cornerboards. Little documentation was found for the fenestration of the wing, but the new six-over-six windows approximate dimensions and

² A photograph from the early twentieth century shows what appears to be louvered shutters. Four sets of old louvered shutters were found in the attic, allegedly removed by the Blairs in the 1920s.

³ At a site visit recorded by Jack H. Campbell, Jr., November 1994., Beulah Venable Ballance, daughter of Floyd and Edna Venable, stated that this bay window did exist when she lived in the house in the 1920s, however, Garland Blair, Jr. claims that his mother had the bay added so that she could better view the front yard. The beadboard sheathing on the interior of the bay suggests a late nineteenth to early twentieth-century construction date.

⁴ In a phone interview between Benjamin Briggs and Garland Blair, Jr. in July of 1993, Blair remembered his family tradition which held that the home was constructed around 1790.

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elevation of earlier windows. A French door, located on the back porch to access kitchen space, is the only deviation from the earlier architectural vocabulary.

The back porch repeats the Picturesque treatment of the portico as it follows the rear elevation of the main block and then turns to run along the ell's east elevation. Along the east elevation of the 1993 room, the porch is a reconstruction, and at the east end of the porch along the main block, the porch is enclosed for use as a bathroom.

Interior

The interior of the two-story c. 1850 main block of the house features a center hall, double-pile plan, with fireplaces located centrally between the front and rear rooms. Details of the first and second-floor hallways feature flush sheathing on the walls and ceilings. The nine-inch baseboards were originally marbled, and some decorative painting remains intact. The central hall stairway has a turned newel post that exhibits a series of convex and concave forms topped by a simple handrail which is carefully formed to follow the rise of the steps. The individual balusters are simple and rectangular in section. Both the handrail and balusters were grained to resemble mahogany while the risers were marbled. An interesting feature of the stair is the manner in which the landing between the second and third floors bisects a rear, second-floor window, so that light from outside is shown both above and below the divider. This distinctive feature was shared with the 1875 Deep River Friends Meeting House, where the second-floor gallery bisected the front windows of that building in a similar fashion.⁵ The gallery level of the meeting house has since been destroyed, but ghost marks remain to document its position.

To the east of the front entry is the formal parlor which contains lath and plaster walls and the only originally plastered ceiling in the house. This ceiling also features a simple medallion of four concentric rings of raised plaster. The structure of the ceiling was temporarily revealed in 1994 for restoration work and is constructed of twin systems of floor joists, one supporting the ceiling below and one supporting the floorboards above. The mantle in this room is the largest in this period of the house and is of simple post and lintel Greek Revival design with a scalloped mantle shelf. It was originally marbled, as were the baseboards. The firebox and hearth are constructed of soapstone. The floors are composed of six-inch-wide pine boards. The pine door into the room is of vertical double panels and is grained to resemble oak, matching other doors which open onto the first-floor hallway.

The other rooms are less formal than the parlor. The first-floor southeast corner room, the first-floor northwest corner room, and all four second-level rooms contain wooden ceilings with plastered walls. The first-floor southwest corner room has a wooden ceiling as well as wood sheathed walls. Originally, all eight of the house's wooden post-and-lintel mantles and baseboards were painted to resemble marble or granite using different colors in each room. The double vertical panel doors were painted to resemble wood; oak on the first floor, mahogany

⁵ Florence White Allen (lifelong member of Deep River Friends Meeting and local historian) in discussion with Benjamin Briggs, August 1994.

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with crotch maple panels on the second. Thought to date from the c. 1850 period of construction, the composition and technique of the faux finish closely resembles finishes found at Blandwood, an 1844-1846 house designed by architect A. J. Davis in nearby Greensboro. Surrounds with "cove and bead" molded back bands, picture rails, and ceilings were painted a color to complement the mantles. Six-inch wide pine flooring is used throughout.

Form and construction techniques affirm the oral tradition claims that the rear ell dates from the early nineteenth century or earlier.⁶ The ell was a hall and parlor plan, designed and built with one centralized chimney. An enclosed stair was located in the southwestern corner of the "hall" which led to the second-floor loft space.⁷ The hall was destroyed in 1926 but the firebox and chimney were retained and faced the open yard.⁸ Significant features of the parlor of this early section include two double paneled doors, one board and batten door, flush horizontal sheathing on the walls and ceiling, six-inch-wide pine floorboards, simple butt jointed window and door surrounds, and a post and lintel style mantle covering a soapstone fireplace. To the right of the fireplace is a two-level storage cabinet, consisting of four double panel doors.⁹ Circular saw marks and decorative details indicate that this room was heavily remodeled at the time the main block of the house was built, and it is likely that the mantle and two-paneled doors date from the mid-19th century.

Elements of the c. 1810 hall, demolished in 1926, remain. The fireplace remains and is a good example of a cooking fireplace as it still contains its original crane. A peculiar pit is located in the bottom of the firebox. Speculation that the pit was used for smoking meat for barbeque has not been validated, since no precedent can be found in the Deep River community. Another feature of the demolished room is the four-door cabinet located to the left of the fireplace. The cabinet was removed when the room was demolished, but the doors were preserved in the attic, and have since been restored to their original location.¹⁰

Additional Resources on the Property

B. Spring House Foundation

Early 19th century

Contributing Site

Near the northwestern property line is the site of the spring house, which was likely constructed in the early nineteenth century as a resource for chilling perishable food. The site was important to the function of the property as a domestic site. Documented by NCDOT archaeologists Brian Patrick Overton and M. O'Connell in May of 2002, the spring house foundation measures approximately 14' by 24' and is constructed of brick and stone with concrete blocks. A brick-lined depression measuring roughly 4' by 4' was filled with water. Walls are partially intact and best preserved on the southwestern portion. Originally, a one-story gabled wooden structure

⁶ Beulah Venable Ballance (daughter of Floyd and Edna Venable), recorded site visit with Jack H. Campbell, Jr., November 1994.

⁷ Garland Blair (son of Garland and Gladys Edmonds Blair), interview with Benjamin Briggs, July 1993.

⁸ Garland Blair, interview with Benjamin Briggs, July 1993.

⁹ Beulah Venable Ballance, recorded site visit with Jack H. Campbell, Jr., November 1994.

¹⁰ Garland Blair, interview with Benjamin Briggs, July 1993.

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stood over the masonry foundation. Though the upper portion of the building has collapsed, the foundation and spring remain to document the location, size, and feeling of this important component of the farm.

C. Grain Silo

ca. 1952

Noncontributing Building

This metal silo was constructed on the site of a wooden silo dating from 1920 that was destroyed in a windstorm. Approximately thirty feet high, the galvanized structure dominates the eastern farmscape of the property. Reportedly, the storage capsule is excavated as deeply as it is high. The silo is capped with an octagonally formed gambrel roof, fashioned of galvanized metal.

D. Stable

ca. 2000

Noncontributing Building

The stable was constructed c. 2000, perhaps with some salvaged materials. Although aspects of the building seem historic, property owners over the long history of the Elihu, Ann, and Abigail Mendenhall House have no recollection of a stable on the property as late as 1996.

E. Processing House

ca. 1920

Noncontributing Building

The pasteurizing house, constructed c. 1920, was an important building utilized during the property's history as a dairy farm. In an interview, Sonny Blair recalled this building's use as a processing house for milk. The structure has a high level of integrity, and has retained its original paneled doors, metal casement windows, and metal roof. It is located to the east of the property near the grain silo.

F. General Store Site

ca. 1845-1927

Noncontributing Site

Little is known about the Mendenhall general store that is thought to have been active between 1845 and 1927. An image of the main house taken around the turn of the century shows the store as an approximately fifteen feet wide unpainted weatherboarded structure with boxed eaves and a forward-facing gable, located ten feet east of the main house. Ledgers found in the attic of the main house record the purchases of sugar, fabric, etc. by local residents. The ledgers are dated from around 1845 and are thought to be from the store and indicate that Elihu Mendenhall had some involvement in its operation. These ledgers have been donated to the Friends Collection archived at Guilford College. The building survived until the 1920s when it was destroyed along with the hall of the earlier house. No above-ground evidence remains of the store.¹¹

G. Roadbed

1800s

Noncontributing Site

A farm-roadbed from the nineteenth century is clearly visible beginning to the immediate west of the stable and continues southward to ford a small stream near the southeastern corner of the property. Portions of the roadbed are overgrown, and the southernmost portion has been used as

¹¹ Garland Blair, interview with Benjamin Briggs, July 1993.

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a debris pit. The road was used to access the main pastures southeast of the farm which were developed into the Windsor subdivision.

H. Garage

c. 2020

Noncontributing Building

The garage located southwest of the main house was constructed by the current owners in c. 2020.

Integrity

The Mendenhall House retains integrity of location because it has not been moved. It also retains integrity of feeling and association as a mid-19th century home for a merchant, small-scale farmer, and Quaker advocate. Setting and feeling have been negatively affected by the loss of surrounding farmland, but the parcel on which the Mendenhall House stands is over six-acres, which provides enough setting to convey some sense of feeling and setting. The house itself has retained its sense of feeling and character.

Elihu's granddaughter by his first marriage, Margaret Davis Winslow, described the house as she remembered it as a child. She recalled, "The two-story house painted white was a good example of Southern Colonial architecture...with a small front portico, a wide central hall with two rooms on each side...The dining room, kitchen and back porch formed a long ell at the rear."¹² All of these character defining features remain today.

Integrity of materials, design, and workmanship have experienced some losses over time, but those losses are minimal. Changes have included the addition of two bathrooms and a modern kitchen. One bathroom replaced an early twentieth-century bathroom in a traditional porch enclosure and an upstairs bathroom was created with minimal loss of original materials. Missing porch posts and the southernmost room of the ell were reconstructed based on physical evidence and historic photographs. Some historic faux finishes have been painted over. None of these changes detract from the resource's overall integrity of materials, design, and workmanship.

The Mendenhall House's secondary resources, including the spring house foundation, the silo, the roadbed, and the dairy processing house, retain good integrity, however these buildings are not a fully intact assemblage of the original outbuildings or historic landscape and are located outside of the 1919 period of significance; therefore, they are not contributing.

Threats

The most imminent threat to the Elihu, Ann, and Abigail Mendenhall House is commercial redevelopment, as plans emerged in the summer of 2021 for the construction of a grocery store and shopping center on the site. If rezoning is denied for the grocery store and shopping center, additional threats could include high-density housing or subdivision of the property.

¹² Margaret Davis Winslow, *A Gift from Grandmother*, privately printed, December 1958, p. 53.

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8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- ☒ A. Property is associated with events that have made a significant contribution to the broad patterns of our history.
- ☐ B. Property is associated with the lives of persons significant in our past.
- ☒ C. Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- ☐ D. Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

- ☐ A. Owned by a religious institution or used for religious purposes
- ☐ B. Removed from its original location
- ☐ C. A birthplace or grave
- ☐ D. A cemetery
- ☐ E. A reconstructed building, object, or structure
- ☐ F. A commemorative property
- ☐ G. Less than 50 years old or achieving significance within the past 50 years

Areas of Significance

(Enter categories from instructions.)

ARCHITECTURE

EDUCATION

SOCIAL HISTORY

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Period of Significance
1850-1919

Significant Dates
1850

Significant Person
(Complete only if Criterion B is marked above.)

Cultural Affiliation
Quaker

Architect/Builder
Unknown

Statement of Significance Summary Paragraph (Provide a summary paragraph that includes level of significance, applicable criteria, justification for the period of significance, and any applicable criteria considerations.)

The c. 1850 Elihu, Ann, and Abigail Mendenhall House is significant at the statewide level under Criterion A in the areas of Education and Social History and at the local level under Criterion C for its Greek Revival architecture with Romantic Period, Picturesque embellishments. The property is eligible at the statewide level under Criterion A for Education and Social History because it is an excellent representative property connected to three statewide movements: 1) the manumission and migration of over 1,000 freedmen by the Meeting for Sufferings of the North Carolina Society of Quakers; 2) the transportation of self-emancipated Black freedom-seekers through the Underground Railroad; and 3) the education of Black students by southern Quakers before and after Emancipation. Along with its statewide significance under Criterion A, the main house is eligible locally under Criterion C as an outstanding example of Greek Revival architecture in Guilford County. The period of significance ranges from the construction of the main house in c. 1850 to 1919, the year the Mendenhall family sold the property.

Narrative Statement of Significance (Provide at least one paragraph for each area of significance.)

CRITERION A: Education and Social History

Elihu Embree Mendenhall (1817-1906) was born May 4, 1817, likely in the c. 1810 portion of the Mendenhall House which now makes up the rear ell. Although his middle name sometimes appears as "Emery," it is recorded that his parents, James W. Mendenhall and Miriam Hoggatt Mendenhall, named Elihu after the abolitionist publisher of the *Manumission Intelligencier*,

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Elihu Embree (November 11, 1782 – December 4, 1820).¹³ Elihu Mendenhall was the twelfth of fourteen children in a family that held openly abolitionist views, uncommon in a Southern slave state where abolitionist views could lead to ostracization, threats, and physical harm. Elihu's first wife was Ann "Annie" Hill (1819-1856) of Back Creek Meeting in Randolph County, North Carolina. After her death in 1856, Elihu married Ann's cousin, educator Abigail "Abby" Hill (1834-1913). The Hill family, like the Mendenhalls, also held openly abolitionist views.¹⁴

In the antebellum period, North Carolina was home to several Quaker meetings throughout the state. The most influential in central North Carolina was New Garden Meeting, as it was "from New Garden as a center most of the meetings in this section of the State take their rise...New Garden Monthly meeting also established a preparative meeting at Deep River, in Guilford County, in 1758. This was made a monthly meeting in 1778 and a quarterly meeting in 1818."¹⁵ Elihu and Ann Mendenhall moved back and forth from different meeting houses in Randolph and Guilford counties until they found their permanent home back at the Deep River Meeting in 1848. Although most North Carolina Quakers held anti-slavery views, the Quakers in Guilford and Randolph counties were "notable for anti-slavery spirit" amongst other North Carolina Quakers.¹⁶ The Quakers of Guilford, Randolph, and adjoining counties "were as ardent in the cause of abolition here, in the face of slaveholders, as their brethren had been in Pennsylvania...They accustomed the people around them to the ideas of anti-slavery, and that was a great advance for that day."¹⁷

Impacts of Quaker Manumission, Abolition, and Freedmen's Education in North Carolina

After the demolition of the Nereus Mendenhall House (1830) in 2017, the Elihu, Ann, and Abigail Mendenhall House became the only surviving property representative of the decades of anti-slavery work undertaken by the Quakers at Deep River Meetinghouse and the Meeting for Sufferings in Guilford County during the antebellum period, most notably the manumission and migration of over 1,000 freedmen, the association with self-emancipated Black freedom-seekers through the Underground Railroad, and the education of Black freedmen after Emancipation. From 1820-1865, the Meeting for Sufferings of the North Carolina Society of Friends, of which Elihu Mendenhall was an active member, facilitated the manumission and migration of over 1,000 free Black families from North Carolina to the northern and northwestern states like Illinois, Indiana, and Ohio, Haiti, and Liberia, Africa.¹⁸ This anti-slavery work was accomplished through monetary support and collaboration between the North Carolina meeting houses in Guilford County, Concord, and Wilmington as well as meetings in the northern states and even London, England. As one of the influential Meeting Houses among the North Carolina Society of Friends, the Quakers of New Garden and Deep River in Guilford County were largely

¹³ Kirkman, Roger N., *Break Every Yoke: The North Carolina Manumission Society, 1816-1834*, p. 510.

¹⁴ Haworth, Cecil E., *A Valiant People: Deep River Friends*, Greensboro: North Carolina Yearly Meeting, p. 97.

¹⁵ Weeks, Stephen, *Southern Quakers and Slavery*, New York: Bergman Publishers, 1896, p.109.

¹⁶ Bassett, John Spencer, *Anti-Slavery Leaders in North Carolina*, Baltimore: Johns Hopkins Press, June 1898, p. 10.

¹⁷ Bassett, John Spencer, *Anti-Slavery Leaders in North Carolina*, p. 10.

¹⁸ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, Winston-Salem: Wake Forest University Dissertation, 1968, 220.

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responsible for a massive shift in thought among white North Carolinians about the institution of slavery and the possibilities of Black colonization of Haiti and Liberia in the 1820s.¹⁹ Along with the manumission of enslaved people under their care, these Quakers, publicly led by abolitionist Levi Coffin, were also connected to the Underground Railroad in North Carolina, assisting the transportation of self-emancipated Black freedom-seekers from out of the south into the northern states until the practice was further criminalized and evidence of their involvement disappears.²⁰ After Emancipation in 1865, the Deep River Quakers turned their attention to the education, enfranchisement, and general welfare of Black freedmen in the state.²¹

Southern Quaker's anti-slavery beliefs and practices were the main differentiator between them and other religious bodies in the state.²² North Carolina Quakers, specifically central North Carolina Quakers, differentiated themselves further through their ardent anti-slavery work, "first with the colonization movement, and from that...into the more comprehensive program of abolition."²³ The actions of Quakers from other southern states in the matter of slavery differed significantly. Virginia Quakers, for example, "were far more temperate" as "they condemned both the colonization and abolition movements."²⁴ The 1898 publication, *Anti-Slavery Leaders of North Carolina* describes the anti-slavery work of Guilford and Randolph County Quakers,

"By the time the colonies were committed to the cause of independence the Friends [of central North Carolina] were committed to the cause of abolition. In the face of harsh laws which made emancipation very difficult, they worked on, liberating their own slaves, and sometimes buying slaves of other people that they might liberate them. Those that they could induce to go they sent to the free States; those that would not go they transferred to the Society and held them in only nominal bondage. Thus by the middle of the century they had worked slavery out of their connection. They ever remained a nucleus for anti-slavery sentiment. They joined with their non-Quaker neighbors in the support of a Manumission Society."²⁵

Between 1816 and 1835, a number of manumission societies sprung up in central North Carolina, due in large part to the strong Quaker presence there. "These societies were most numerous and aggressive in Guilford County. Quakers did not claim control over these organizations, nor were they conducted as Quaker bodies, but Quaker influence was paramount in their development and growth."²⁶ Four branches, all in or near Guilford County, Centre, Caraway, Deep River, and New Garden, were represented at the first meeting in July of 1816.

¹⁹ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 220.

²⁰ Richmond, Ben, *Reminiscences of Levi Coffin: The Reputed President of the Underground Railroad*, Richmond, Indiana: Friends United Press, 1991.

²¹ Hinshaw, Mary Edith and Seth B., *Quaker Women of Carolina*, North Carolina: United Society of Friends Women, 1994, p. 30.

²² Weeks, Stephen, *Southern Quakers and Slavery*, p. viii.

²³ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 243.

²⁴ *Ibid.*

²⁵ *Ibid.*

²⁶ *Ibid.*

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Meetings for the society were held in the meeting houses of Centre and Deep River, alternately, in April and October.²⁷ By 1817, there was a split between members who were slaveholders seeking conscripted colonization of Black freedmen, and Quakers (and those who were philosophically aligned with them), who sought the freedom of agency for all Black people, enslaved or free, to make their own decisions. Levi Coffin explains in his *Reminiscences*,

“Many of us were opposed to making colonization a condition of freedom, believing it to be an odious plan for expatriation concocted by slave holders, to open a drain by which they might get rid of free negroes, and thus remain in more secure possession of their slave property. They considered free negroes a dangerous element among slaves. We had no objection to free negroes going to Africa of their own will, but to compel them to go as a condition of freedom was a movement to which we were conscientiously opposed and against which we strongly contented... We felt that the slave power had got the ascendancy in our Society, and that we could no longer work in it. The convention broke up in confusion and our New Garden branch withdrew to itself, no longer cooperating with the others. Our little anti-slavery band, composed mostly of Friends, continued to meet at New Garden until the majority of the members emigrated to the west, preferring to live in a free state.”²⁸

By 1827, this newly formed Manumission Society, led by Levi Coffin and based in Guilford County, was comprised of over forty branches accounting for around 1,000 members from across the state. After Nat Turner’s Rebellion in 1831, the changing tide of race-based fear and the subsequent passing of repressive laws in North Carolina contributed to a mass emigration of North Carolina Friends, including the Coffins, to the free states of the north and northwest. As a result, the society “drifted until it ceased to have an organization save as part of the Underground Railroad,” which had been organized by Vestal Coffin “near the present Guilford College in 1819...Addison Coffin, his son, entered its service as a conductor in early youth.”²⁹ Levi Coffin migrated to Indiana where his substantial work with freedom seekers in Indiana and Ohio earned him the title “President of the Underground Railroad.”³⁰ It was at this point that the Meeting for Suffering took up much of the anti-slavery advocacy work in North Carolina.

The Meeting for Sufferings’ Impact on the State of North Carolina (1820-1860)

Involvements in Free Black Colonization of Haiti and Africa in the 1820s

Because the Deep River Meetinghouse was rebuilt in 1873 (NR 1995) and there are no other known residences of Meeting for Sufferings members that possess a period of significance during the Meeting’s active anti-slavery period (1820-1880s), the Elihu, Ann, and Abigail Mendenhall House is the best extant building to represent the anti-slavery movement of the Deep

²⁷ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 235.

²⁸ Richmond, *Reminiscences of Levi Coffin: The Reputed President of the Underground Railroad*, 1991.

²⁹ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 242.

³⁰ Richmond, *Reminiscences of Levi Coffin: The Reputed President of the Underground Railroad*, 1991.

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River Quakers in North Carolina.³¹ Elihu was a member of the Meeting for Sufferings as early as 1860 and his father, James, may have also been a member.³² From the 1820s, members of the Meeting for Sufferings dedicated themselves to the emancipation of Black people enslaved in the South. In the 1820s and 1830s, members of the meeting provided financial, legal, and strategic support to emancipate and ferry freedmen to the northern states, Haiti, and Liberia, Africa. The impact of the Meeting for Sufferings on the state of North Carolina was significant. Guilford County Quaker Jeremiah Hubbard expressed his hope in 1826 that the Society of Friends' colonization and manumission efforts would "doubtless have a very striking influence on the community at large and assist in paving the way for the mitigation or removal of one of the greatest evils that ever affected the human race."³³

This sentiment proved true as Stephen Grellet, a Northern Friend, traveled through Guilford County, he remarked at "the changed atmosphere for now 'slaveholders could bear to be reasoned with on the great evils of slavery.'"³⁴ Due in large part to the outreach of Guilford County Quakers in the 1820s, 75% of North Carolinians were receptive to the idea of colonization while only 5% were "bitterly opposed to any form of emancipation."³⁵ It was during this decade, where there was an air of receptiveness to colonization among non-Quaker North Carolinians that the Quakers emancipated and helped transport 652 people to freedom in the northern states, Haiti, or Liberia, Africa.³⁶

Continuing Anti-Slavery Work throughout the 1830s

In 1829, the editor of the *Greensborough Patriot*, William Swaim, reported that "the people are turning their attention more and more to the all important subject of slavery."³⁷ Swaim, an abolitionist, worked closely with Guilford County Quakers and promoted his abolitionist beliefs in the local paper, of which the general population of the county was receptive. However, outside forces from other parts of the state began to threaten Swaim and his Quaker compatriots, calling his publications seditious and libelous. Due in large part to widespread fears after Nat Turner's Rebellion in August of 1831, the 1830s was a period of intense opposition and antagonism to advocates of emancipation. North Carolina legislators retaliated by passing laws which made it much more difficult and costly to manumit enslaved people in the state, made it illegal to help a self-emancipated person, and prohibited educating enslaved people, as "the teaching of slaves to read or write has a tendency to excite dissatisfaction in their minds and to produce insurrection and rebellion to the manifest injury of the citizens of the state."³⁸ Violators of these laws faced

³¹ Oppermann, Langdon, "Deep River Friends Meeting House and Cemetery," National Register of Historic Places Nomination File, National Park Service, 1995.

³² His name is listed under the "Member" list in 1860 and he is frequently mentioned by name.

³³ "Jeremiah Hubbard to the North Carolina Quarterly Meetings," *Record of Correspondence 1826*, Greensboro: Guilford College Quaker Archives, p. 38.

³⁴ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 230

³⁵ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 105-106.

³⁶ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 108.

³⁷ *Ibid.*

³⁸ *Ibid.*

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penalties based on their race and status. Those who were caught teaching an enslaved person to read or right faced “a penalty varying from \$100-200 [for a white person]...twenty to thirty-nine lashes for a free negro, and thirty-nine lashes for a slave.”³⁹ Fines up to \$1,000 were charged for white people assisting a self-emancipated person to freedom.

The Meeting for Sufferings, though discouraged by these repressive laws and costly fines, persevered in their work to emancipate and manumit the hundreds of enslaved people in their midst, though their work drastically slowed. It was during this time that many Quakers fled north for fear of violence in reaction to their abolitionist beliefs. In 1830 alone, 300 families migrated from Guilford County to the North. Meanwhile, the families that stayed, including Elihu’s parents James and Miriam, continued to fight against the institution of slavery, “The meeting for Sufferings produced a memorial and petition to the General Assembly of N. C. on the subject of the oppressive laws of this state prohibiting the literary instruction of slaves.”⁴⁰ The petition was denied and there is a noticeable absence of meeting minutes indicating that the Quakers continued their education efforts for Black students until the close of the Civil War.⁴¹

During the 1830s, the attitudes of most Black freedmen living with the Quakers at Deep River were drastically changing regarding colonization. The majority resisted migration efforts and refused to leave the country, either due to the dangers of the migration, inter-marriages with manumitted women and free Black men who could not leave due to incurred debts, inter-marriages between manumitted men and women who were still in bondage, or familial connections between manumitted people and others who were owned by nearby enslavers.⁴² Simultaneously, as anti-Black sentiment grew even stronger in the northern states, northern Quakers “would not willfully receive them,” many of them citing anti-Black sentiment in their region. The Meeting for Sufferings advocated hard, made arrangements, and raised funds from other meetings, including the meeting in London, England to facilitate the migration of their remaining manumitted individuals. Elihu’s older brother, Nathan Mendenhall, also a member of the Meeting for Sufferings, reported to the Friends in New England that the “Meeting for Sufferings had removed 842 of their slaves at a total cost of \$17,493.38. He hoped that the remaining 21 would settle in the Northwest as soon as possible.”

Continuing Anti-Slavery Work in the Antebellum Period, 1840-1860

By the 1840s-1860s, the Meeting for Sufferings had done everything in its power to manumit all enslaved people owned by the Society of Friends in North Carolina. By 1842, Quakers comprised around 1% of the total white population of North Carolina and had successfully liberated one thousand enslaved people. However, the number of enslaved people continued to exponentially grow in the state and by the late antebellum period, over 245,000 enslaved Black

³⁹ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, p. 231-232.

⁴⁰ Klain, Zora, *Quaker Contributions to Education in North Carolina*, Philadelphia: Westbrook Publishing Company, 1925, p. 316.

⁴¹ Klain, *Quaker Contributions to Education in North Carolina*, p. 316.

⁴² Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, p. 231-232.

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people in North Carolina remained in bondage.⁴³ From 1840-1860, the Meeting for Suffering focused on assisting Friends with the manumission of enslaved people who were inherited by or otherwise lawfully given to Quakers for purposes of their emancipation. They also worked diligently to prevent free Black North Carolinians from unlawfully being resold into slavery. By the eve of the Civil War, "Quakers in the slave state of North Carolina realized the inexpediency and futility of continually protesting against the evils of an institution over which they had no control."⁴⁴ As a result, they focused their efforts on where they could make the most impact, by publicizing their anti-slavery position and continuing to manumit and legally and financially assist freedmen "at a great expense and hardship."⁴⁵

Meeting for Suffering's Involvement in the Civil War

A publication from the North Carolina Yearly Meeting of Friends, held at Deep River on July 18, 1868, is an invaluable primary source recording the experiences of North Carolina Quakers during wartime. The document begins with the purpose for the publication, "The position of Friends in this State was a peculiar one. Utterly opposed not only to war itself, but, as was well known, to the system of slavery, which was the leading object of the contest... We think it right to refer more minutely to our position respecting Slavery:--a position reached by patient and continuous effort about one hundred and fifty years after the origin of our Religious Society."⁴⁶ The Quakers at Deep River, of which the Mendenhall Family were active members, suffered greatly during the war. They "refused to participate in the rebellion and, as a result, suffered persecution at the hands of Confederates. Meanwhile, their pacifism provided no protection from the physical and economic devastation of war."⁴⁷ Accounts of torture, wrongful death, and further cruelty to North Carolina Quakers who refused to fight are recorded in detail in the publication.⁴⁸

After the passage of a Conscription Act by the Confederate Congress in 1862, every southern man between the ages of 18 and 35 was required to join the Confederate Army. In response, the Friends petitioned both the State Assembly and the Confederate Congress for an exemption based on their pacifist beliefs. As a result, the first Act of Exemption was passed, which did release them from military duty but required a sizeable payment of \$100 each. The fines grew after a similar bill passed in Richmond and required a payment of \$500 each.⁴⁹ The fines were exorbitant and some Quakers refused to pay them based on their principles, "We have had the subject [of the Exemption taxes] under serious consideration, and while, in accordance with the

⁴³ Jones, Rufus, *The Later Periods of Quakerism*, London: MacMillan and Co., 1921, p. 434.

⁴⁴ Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, 163-164.

⁴⁵ *Ibid.*

⁴⁶ Bellows, John, "Friends in North Carolina During the American War, 1861-1865," *The American Narrative*, Gloucester: 1894, p. 1.

⁴⁷ Butchart, Ronald E., *Schooling the Freed People: Teaching, Learning, and the Struggle for Black Freedom 1861-1876*, Chapel Hill: The University of North Carolina Press, 2010, p. 63.

⁴⁸ "Friends in North Carolina During the American War, 1861-1865," pages 8-14.

⁴⁹ Bellows, John, "Friends in North Carolina During the American War, 1861-1865," *The American Narrative*, Gloucester: 1894, p. 1.

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advice issued by our last Yearly Meeting, 'we do pay all taxes imposed on us as citizens and property holders, in common with other citizens...we cannot conscientiously pay the specified tax, it being imposed upon us on account of our principles, being the price exacted of us for religious liberty."⁵⁰ Fines continued to grow over the course of the war as an effort to fundraise for the failing Confederate Army. A note found in the attic of the Mendenhall House described this fundraising effort, forcing Quakers to pay for a war they did not support or believe in: "I shall attend at Mendenhall's Tan Yard on Saturday, the 12th day of Nov. next to take the 5 per cent Confederate tax list of those who have not given their lists. Those failing to attend will be returned as defaulters. Oct. 29th, 1864 W. F. Bowman, Agt."⁵¹ The southern insurrection weighed heavily on Quakers in North Carolina,

"We were still loyal at heart to the Government of the United States, and though submitting passively to a temporary usurpation, this was little merit in a community that called for the utmost zeal in the new cause. We testified against slavery, and in the fresh effort to establish it more firmly this was no small offence. Above all, we could not fight, and with the spirit of war so rampant in our midst, that the preaching of the Gospel of Peace gave way in almost every place of worship to a call to arms, the hatred and malice thus aroused fell with much violence upon us."⁵²

By the end of the Civil War as Sherman marched south, "the Friends living in the counties of Alamance, Chatham, Randolph and Guildford, corresponding nearly with the limits of four Quarterly Meetings—Western New Garden, Deep River and Southern, and comprising by far the largest portion of those in the State, were placed in most imminent peril."⁵³ The army of General Johnston was near Greensboro and General Sherman's army was moving from Goldsboro to Raleigh when President Abraham Lincoln was assassinated. The publication reports, "The army of Sherman seemed prepared for the most utter devastation. Between the two opposing forces, and indeed partially surrounded by them, lay our peaceful homes, with an apparently almost certain destruction hanging over them."⁵⁴ The Quaker communities were spared as the last of the Confederate armies surrendered without bloodshed "in our very midst" to Governor Morehead at Blandwood Mansion in Greensboro.⁵⁵

Mendenhall Involvements in Anti-Slavery Work

Elihu Mendenhall's Involvement in the Meeting for Suffering

The impact of the Guilford County Quakers' manumission, abolitionism, and dedication to Black education had a profound impact on the state of North Carolina. At least by 1860, but likely earlier, Elihu Mendenhall was a member of the Meeting for Sufferings and participated in this

⁵⁰ Bellows, *The American Narrative*, p. 15.

⁵¹ Haworth, *A Valiant People: Deep River Friends*, p. 39.

⁵² Bellows, *The American Narrative*, p. 4.

⁵³ Bellows, *The American Narrative*, p. 23.

⁵⁴ Bellows, *The American Narrative*, p. 22.

⁵⁵ *Ibid.*

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work to financially and legally assist enslaved and emancipated Black people.⁵⁶ While residing in the Elihu, Ann, and Abigail Mendenhall House, Elihu Mendenhall only missed one Meeting for Sufferings between 1860 and 1870.⁵⁷ His documented participation and leadership in the Meeting for Sufferings includes support of helping enslaved people to freedom through legal, financial, and transportation assistance; writing a letter to insurrection leader, Alexander Jackson Davis, opposing Quaker involvement in the Confederacy; and publishing a Memorial explaining the Quaker refusal to swear an contrived oath of loyalty to the Union and President Andrew Johnson due to their continued, steadfast commitment to the United States government and their anti-slavery work before and during the insurrection.⁵⁸

Mendenhall Family Involvement in the Underground Railroad

As more research is conducted into the Underground Railroad, it is becoming increasingly evident that most self-emancipated people found their way to freedom without the assistance of whites or free Blacks, however, there were some freedom seekers who did enlist the assistance of their neighbors to escape the horrors of slavery, and many of them were Quakers.⁵⁹ After the Coffins left Guilford County for Indiana in the late 1830s, there is a lack of documented leadership in Underground Railroad work in Guilford County, likely do to the increasingly repressive legislation passed by the General Assembly to discourage anti-slavery work. Despite this lack of documentation, oral tradition indicates that the Mendenhall House was a stop on the Underground Railroad, which is plausible based on documented evidence of the Mendenhall's abolitionist views. Though neither Elihu nor Abigail are referenced by name in any documented pre-war activity related to the Underground Railroad, which is likely due to the clandestine nature of the work, it has been passed down through oral tradition that they were participants. Well into the twenty-first century, Blair family members continued a narrative that enslaved people were harbored inside the Mendenhall home as a component of the Underground Railroad. These narratives have been passed down through the family and seemingly date to reports made in the 1920s. Some members of the family reference a small room in the oldest portion of the house, which is still extant, as evidence of this chapter in history. Regardless of the use of the small room, family reports of the Mendenhall's participation in the Abolitionist Movement are confident and included many family members.⁶⁰ In a private correspondence from 1868, referenced in *Schooling the Freed People* (2010), Alfred H. Jones writes, "She [Elihu's cousin, Judith] and her family [the Mendenhalls] have been for years the friends of the colored people running much risk both before and since the war on their account."⁶¹

⁵⁶ *Meeting for Suffering, 1860-1881*, Minutes from the Meetings, Greensboro: Guilford College Quaker Archives.

⁵⁷ *Meeting for Suffering, 1860-1881*, Minutes from the Meetings, Greensboro: Guilford College Quaker Archives.

⁵⁸ *Meeting for Suffering, 1860-1881*, Minutes from the Meetings, Greensboro: Guilford College Quaker Archives.

⁵⁹ Lasley, Rebecca Graham, "Anti-Slavery Movement in North Carolina," Tar Heel Junior Historian Association and the North Carolina Museum of History, Revised by NC Government & Heritage Library, May 2022.

⁶⁰ Garland Blair, interview with Benjamin Briggs, March 1996. Bill Blair (cousin to Garland Blair), interview with Benjamin Briggs, August 2021.

⁶¹ Butchart, Ronald E., *Schooling the Freed People: Teaching, Learning, and the Struggle for Black Freedom 1861-1876*, p. 63.

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This evidence, though circumstantial, makes it plausible that Elihu and Abigail were supporters and potential participants in the Underground Railroad, even after strict laws prohibiting this work were passed in North Carolina. The Hill family, of which both Ann and Abigail were members, were associated with a history of manumitting enslaved workers and providing education for Black people in their Randolph County community of Uwharrie, located around the Back Creek Meetinghouse, the only meeting with a Black member.⁶² Overall, there is a lack of substantive documentation for North Carolina Quakers' and other abolitionists' participation in the Underground Railroad after 1830. Francis Charles Anscombe stated "during all these years there does not appear in the yearly meeting minutes any direct reference to the Underground Railroad. A perusal of Levi Coffin's *Reminiscences* gives the impression that the undertakings were purposefully secret, and probably the suppression of information was deliberate."⁶³

Elihu's obituary alludes to his abolitionist beliefs, well-known Union principles, and the secretive "alms" he provided to those in need,

"He was a birthright member of the Society of Friends and was convinced in early life of their doctrines in regard to temperance, simplicity, slavery, and war. His conviction enabled him to advise wisely many young men who came to him in perplexity during the years preceding the Civil War (1861-65) and also while the war was in progress. Those were days that tried men's souls. His well known Union principles made him suspected by many of his neighbors who favored secession and slavery. More than once he was warned that he would be hanged on a certain day, but the hangmen never came for that purpose and were glad to take shelter under his protecting care in time of trouble. The poor and the afflicted were never turned empty from his door but his alms were so quietly done that his left hand knew not what his right hand did."⁶⁴

Abigail Mendenhall was remembered in a similar light, "She loved people more than things and was interested in all that pertained to them. Sorrow, suffering and want found warm sympathy in her and she gave herself with her alms."⁶⁵ The financial and educational support of freedmen after emancipation by the Deep River Friends under the leadership of the Mendenhalls strengthens the evidence of their involvement in the Underground Railroad. Both Abigail and Elihu likely made quiet and undocumented contributions to the abolitionist movement to minimize threats and violence. The family's covert participation with the Underground Railroad further connects them to the state-wide anti-slavery and Black enfranchisement movement of the Quakers in North Carolina from 1820-1880.

⁶² Gwen Gosney Erickson (Quaker Archivist and Special Collections Librarian at Guilford College) in discussion with author, November 2023.

⁶³ Anscombe, Francis Charles, *I Have Called You Friends: The Story of Quakerism in North Carolina*, Boston: The Christopher Publishing House, 1959, p. 166-167.

⁶⁴ "In Memory of Elihu E. Mendenhall," FC Memorials- M, August 29, 1906.

⁶⁵ "Memorial to Abigail Mendenhall," Obituary, May 15, 1913.

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The Mendenhall Family During Reconstruction: Advocating for Freedmen

After Emancipation, freedmen established the community of Hill Town near Deep River, with their own school that continued to flourish during the Reconstruction Era.⁶⁶ Elihu is mentioned after the Emancipation Proclamation, in July 1866 in the minutes of the North Carolina Yearly Meeting, as a member of a new committee to investigate “the condition of the Freedmen in our midst.”⁶⁷ The purpose of the committee was to “help the Freedmen to employment and education, and in general labor for the good of these people, and report to next Yearly Meeting.”⁶⁸ Working alongside Elihu and sharing his abolitionist beliefs, Abigail Mendenhall taught Black students despite the risk of fines and censure. It is well documented that Abigail Mendenhall taught freedmen in the yard of the Mendenhall property for several years directly after the Civil War.⁶⁹ Her educational work is a significant example of an association with freedmen’s education throughout the state of North Carolina.

Quakers were the only white southern denomination to support African American education in the south. Although Quaker women constituted less than two percent of North Carolina’s church membership, they made up more than one-fifth of all the state’s white teachers in Black schools between 1865 and 1876.⁷⁰ In Abigail’s obituary, it is recorded, “For several winters after the close of the Civil War she taught the Freedmen in a house in her own yard. Not a few have testified in later years to her practical and forceful instruction both in text-books and right living.”⁷¹ Her decision to educate her Black neighbors is notable as it came at a great threat to her family’s welfare and lends credence to potential earlier abolitionist and antislavery actions in a time where there is limited documentation.⁷²

The education of youth was a key initiative of the Quakers in North Carolina and at Deep River specifically, “From an examination of the minutes of the Deep River Monthly Meeting from the beginning of the nineteenth century, we note that the members of this Monthly Meeting dealt seriously with the advice handed down by the superior meetings, especially in reference to the tuition and Education of the Youth under Friends’ care both white and black.”⁷³ Elihu Mendenhall is mentioned frequently throughout the minutes of the Deep River Monthly Meeting as a key figure in establishing four schools at Deep River, which were open to not only Quaker

⁶⁶ Williams, Margo Lee, *From Hill Town to Strieby: Education and the American Missionary Association in the Unwharrie “Back Country” of Randolph County, North Carolina*, Crofton, Kentucky: Backintyme Publishing, 2016, <https://margoleewilliamsbooks.com>. Accessed on January 7, 2022.

⁶⁷ “Minutes of North Carolina Yearly Meeting of Friends, held at New Garden on Second-Day, the Fifth of Eleventh Month, 1866,” Greensboro, NC. A. W. Ingold, Printer, Greensboro Patriot Office, 1866.

⁶⁸ “Minutes of North Carolina Yearly Meeting of Friends, held at New Garden on Second-Day, the Fifth of Eleventh Month, 1866,” Greensboro, NC. A. W. Ingold, Printer, Greensboro Patriot Office, 1866.

⁶⁹ “Memorial to Abigail Mendenhall,” FC Memorials- M, May 15, 1913.

⁷⁰ Butchart, Ronald E. *Schooling the Freed People: Teaching, Learning, and the Struggle for Black Freedom 1861-1876*, p. 64.

⁷¹ “Memorial to Abigail Mendenhall,” FC Memorials- M, May 15, 1913.

⁷² Haworth, *A Valiant People: Deep River Friends*, p. 101.

⁷³ Klain, *Quaker Contributions to Education in North Carolina*, p. 201.

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children but any children in their community.⁷⁴ The Deep River Quakers partnered with the Baltimore Association in Maryland, a group organized by white Baltimore leaders “with funds raised from Quakers, New England abolitionists, European donors, Black business leaders, and Black churches” to support the education of freedmen after the Civil War.⁷⁵ Together, the Quakers at Deep River and the Baltimore Association started and maintained schools for freedmen immediately after Emancipation. “Immediately after the Civil War activities are detected within the minutes of meetings pointing to a co-operation with the Baltimore Association in establishing schools: ‘This meeting appoints Daniel Barker, Jonathan Harris, Aaron Elliot, Elihu E. Mendenhall, and David Wheeler to confer and act in conjunction with the superintendent of the Baltimore school association in regard to establishing a Monthly Meeting School in the vicinity of this monthly meeting.’”⁷⁶ When visiting Deep River in 1866, representative of the Baltimore Association, John Scott, recorded in his diary, “Visited the Freedmans School, there were 106 present...there are five Teachers conducting the School which is under the Superintendence of Thomas Connard a Member of Phila. Yearly Meeting.”⁷⁷ By the end of 1866, the Baltimore Association reported that “Friends in North Carolina have charge of or assist in teaching twenty First day schools for colored persons with 1,165 pupils enrolled. This does not include schools under the care of the Freedmen’s Association.”⁷⁸

Due to their openly abolitionist beliefs, the Mendenhalls were targeted by white supremacists.⁷⁹ An 1878 article in the *Greensboro North State*, a progressive-leaning local paper, reports on a death threat issued by white supremacists to Elihu Mendenhall. The article, entitled “County Campaign Catechism” opines on the activities of members of the Democratic Party including political appointments and racial discrimination. In relation to a democrat named Cyrus Wheeler, the question-and-answer format of the article asks,

“What was his conduct towards Elihu Mendenhall?

He was the leader of a party who had planned to hang Mr. Mendenhall.

What prevented him from carrying his plan into execution?

Mr. Mendenhall was warned by a friend and left.

What was his [Cyrus Wheeler’s] opinion about colored people?

*He said that any white man who would receive a vote from a ‘n*****,’ was beneath the notice of a dog.”⁸⁰*

⁷⁴ Klain, *Quaker Contributions to Education in North Carolina*, p. 201.

⁷⁵ Green, Hilary and Keith S. Hébert, “Historic Resource Study of African American Schools in the South, 1865-1900,” National Park Service: U.S. Department of the Interior, 2022, p. 250.

⁷⁶ Klain, *Quaker Contributions to Education in North Carolina*, p. 204.

⁷⁷ Klain, *Quaker Contributions to Education in North Carolina*, p. 317.

⁷⁸ *Ibid.*

⁷⁹ Haworth, *A Valiant People: Deep River Friends*, p. 101.

⁸⁰ “County Campaign Catechism,” *Greensboro North State*, July 25, 1878, Newspapers.com. Accessed January 7, 2022.

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Conclusion

Abigail, Ann, and Elihu's dedication and documented participation in antislavery work and the freedmen's education movement in the state of North Carolina contributes to the statewide significance of the Elihu, Ann, and Abigail Mendenhall House under Criterion A because it is representative of the greater anti-slavery work conducted by the Meeting for Sufferings and the movement of southern Quaker men and women to educate freedmen after Emancipation.

History of the Mendenhall Family

Mendenhall Settlement through 1817

The Mendenhall family arrived in Chester County, Pennsylvania, along with William Penn, from the village of Mildenhall, England to secure land and enjoy religious freedom. A continuing pursuit of affordable land brought James Mendenhall, Elihu Mendenhall's great-grandfather, to North Carolina. Upon arriving in present-day Guilford County, James established a homestead along the banks of the Deep River near Jamestown, a settlement named in his honor. James' son, Elijah, established a home farther upstream at what was referred to as "Deep River."⁸¹ To date, a deed recording Elijah's initial possession of land in Deep River has not been located, but during the August 1802 term of Guilford County Court, the court divided Elijah's land among his heirs. Those heirs included three sons: James (Elihu's father), Daniel, and Isaah. James received a 142-acre tract of land, and upon his death in 1861, he left this land to his son, Elihu.⁸²

Elihu and Ann Hill Mendenhall, Involvements through 1856

After attending New Garden Boarding School (later Guilford College) during its second year of enrollment in 1838, Elihu Mendenhall married Ann (Annie) Hill (1819-1856), of Back Creek Meeting in Randolph County, North Carolina in 1841.⁸³ Upon marriage, Elihu and Ann moved to Randolph County for seven years before returning to Deep River to care for Elihu's widowed father. The minutes of Deep River Monthly Meeting from February 18, 1848 verify that Elihu asked for a transfer of membership for himself, Ann, and their sons Samuel and James from Back Creek Meeting to Deep River Meeting. The family eventually grew to include four children, Samuel Hill, born at Deep River on March 18, 1842; James Nathan, born in Randolph County on October 2, 1844; Mary Eliza, born on March 17, 1850 in Guilford County, and William Allen, born on July 20, 1854 in Guilford County.⁸⁴ This family history further substantiates a construction date of c. 1850 for the front, two-story portion of the house.

⁸¹ Hobbs, Mary Mendenhall, "A Tribute to E. E. Mendenhall," *The Guilford Collegian*, October 1906.

⁸² Guilford County Deed Book 7, Pages 502-503.

⁸³ "In Memory of Elihu E. Mendenhall," FC Memorials- M, August 29, 1906.

⁸⁴ Haworth, *A Valiant People: Deep River Friends*, p. 96-97, and Hinshaw, William Wade, *Encyclopedia of American Quaker Genealogy*, 1936, 26.

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Like many families in the North Carolina Piedmont before the Civil War, the Mendenhalls farmed for their own sustenance, worked at trades, and operated a variety of businesses. One of the many activities on the farm at this time was centered on the general store, formerly located ten feet east of the house. Ledgers and receipts found in the attic of the house show that there was trading between the Mendenhalls' general store and Charleston, South Carolina. Receipts from M.T. Mendenhall (brother of Elihu) of Charleston indicate the arrival at the railroad depository of barrels of sugar, vinegar, and coil rope, perhaps for shipment to Deep River. A "book ledger" of Elihu's records the sale of bacon, flour, coffee, boots, cork, molasses, oats, shirting, mules, and salt in May of 1854 to residents of the area.⁸⁵

An industrial enterprise of the family was known as Mendenhall's Tanyard, located in a low area 800 feet northwest of the house (outside the nomination boundary), and dated at least to the lifetime of Elihu's father, James. The 1850 Products of Industry Schedule of the 1850 United States Census listed Elihu Mendenhall as one of three tanners in the Southern Division of Guilford County. The enterprise was valued at \$2,800 of capital investment, and processing 15,000 pounds of hides valued at \$1,700. The horse-powered facility employed three men who specialized in upper and sole leather.⁸⁶ By 1860 the capital value of the business had risen to \$3,000, with 2,000 hides valued at \$4,000.⁸⁷ The tanyard was re-established in 1890 by Elihu's son, Samuel, who continued the family tradition.⁸⁸ E. L. Briggs Sr. remembered getting shoes at Mendenhall's Tanyard in the 1890s before school started each fall.⁸⁹

Elihu and Ann Mendenhall were highly involved in activities at Deep River Monthly Meeting, the Meeting for Sufferings, Deep River Quarterly Meeting, and North Carolina Yearly Meeting. In 1856, Elihu was appointed an elder and soon after helped to estimate Deep River Monthly Meeting's first annual budget. Ann served as a representative to Deep River Quarterly Meeting in 1848 and later served on a joint committee of women and men to "labour as truth may direct for the removal of the many deficiencies that exist among us" within the church. Tragically, Ann died of an illness on December 23rd, 1856.⁹⁰ Their youngest son, William Allen lived for only three more years.⁹¹

Elihu and Abigail Hill Mendenhall, Involvements through 1861

After Ann's death, Elihu joined the Board of Trustees of the Florence Female Academy, a private school organized by Friends and located in the village of Florence four miles east of the

⁸⁵ These documents are currently in the possession of Benjamin Briggs.

⁸⁶ Census Year: 1850; Census Place: Northern Division, Guilford, North Carolina; Archive Collection Number: M1805; Roll: 6; Page: 366; Line: 1; Schedule Type: Manufacturing.

⁸⁷ Census Year: 1860; Census Place: South Division, Guilford, North Carolina; Archive Collection Number: M1805; Roll: 2; Page: 1; Line: 1; Schedule Type: Manufacturing.

⁸⁸ Haworth, *A Valiant People: Deep River Friends*, p. 97.

⁸⁹ E. L. Briggs, Jr. (son of E. L. Briggs, Sr.), discussion with Benjamin Briggs, August 1991.

⁹⁰ "U.S, UK and Ireland, Quaker Published Memorials, 1818-1919" Provo, UT: Ancestry.com Operations, Inc., 2013. <https://www.ancestry.com/discoveryui-content/view/34430:2581>.

⁹¹ Haworth, *A Valiant People: Deep River Friends*, p. 97-98.

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Mendenhall home. It was there that Elihu met Abigail Hill (1834-1913), who would become his second wife.⁹² Abigail was the daughter of abolitionist Aaron Orlando Hill, Sr. of Back Creek Meeting in Randolph County and a cousin of Ann Hill Mendenhall, Elihu's first wife.⁹³ Upon reaching school age, Abigail attended one year at New Garden Boarding School before returning to Randolph County to teach.⁹⁴ As a teacher, she earned enough money to finance a year at Westtown School outside Philadelphia, Pennsylvania, where she attended on a teaching scholarship.⁹⁵

Upon returning to North Carolina in 1857, Abigail was employed as Principal Teacher of the Girls School in Florence, North Carolina.⁹⁶ The school was a family affair for both Abigail and Elihu, and it was here that Elihu and Abigail met. Abigail's sisters Penelope Gardner and Margaret Davis jointly headed the institution from 1850-1865.⁹⁷ Penelope's husband William Gardner was considered "Proprietor" and Margaret and her husband, Winslow Davis, directed the boarding department. Elihu's cousins were also involved. As early as 1859, sister and brother Judith and Nereus Mendenhall took charge of the school, renaming it Gardner School.⁹⁸ Another relation to Elihu, Dr. Mary Mendenhall Hobbs, was a pupil, and George C. Mendenhall taught at the school as its first instructor with the help of one or two assistants.⁹⁹ Forty-seven women were attending the school in 1860, some from as far away as South Carolina and Virginia. Their ages ranged from 13 to 20, with one woman aged 22.

Abigail left her position at the school after she married Elihu on May 12, 1859, and the couple had two children. Jehu lived only one day in June 1861. Elihu Clarkson Mendenhall was born in September 1863.¹⁰⁰ Two years after their marriage, Elihu's father James Mendenhall died in 1861. In his will, James officially willed to Elihu "...my home tract of land on the waters of Deep River...", the tract that included the Mendenhall House, which Elihu and Ann had already added on to and established as their family home ten years prior.¹⁰¹

Abigail served fellow Quakers in the capacity of Clerk of North Carolina Yearly Meeting for many years and was also a member of the permanent board. Similarly, she served as Clerk of North Carolina Yearly Meeting of Women Friends for many years. Abigail continued her interests in education by serving on an Advisory Board for New Garden Boarding School and Guilford College. These activities do not include her numerous involvements in assisting local

⁹² Haworth, *A Valiant People: Deep River Friends*, p. 99.

⁹³ Haworth, *A Valiant People: Deep River Friends*, p. 97.

⁹⁴ Hinshaw, *Encyclopedia of American Quaker Genealogy*, 27.

⁹⁵ "Memorial to Abigail Mendenhall," Obituary, May 15, 1913, and Westtown School Alumni Records. www.westtown.edu/about/history/archives/research.

⁹⁶ Anscombe, Francis Charles, *I Have Called You Friends: The Story of Quakerism in North Carolina*, p. 98.

⁹⁷ Anscombe, Francis Charles, *I Have Called You Friends: The Story of Quakerism in North Carolina*, p. 123.

⁹⁸ Browning, Mary, *Bending the Twigs in Jamestown: A History of Education in Jamestown, North Carolina 1755-1945*. Privately Published by the Historic Jamestown Society, 2004, p. 41.

⁹⁹ Klain, *Quaker Contributions to Education in North Carolina*, p. 292-293.

¹⁰⁰ "Back Creek Monthly Meeting, Women's Meeting Minutes, Randolph County, North Carolina." North Carolina Friends Historical Society, Greensboro: Guilford College Quaker Archives.

¹⁰¹ "Estate of James Mendenhall," Guilford County Wills, May Term, 1861, Number 79.

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needs, such as visitations and counseling.¹⁰² Her active community involvement well-illustrates the belief among the Religious Society of Friends of "the essential equality of women," especially in the realm of education and spirituality.

Elihu and Abigail Mendenhall, Involvements from 1870 to 1913

Elihu and Abigail were well regarded in Deep River for their hospitality. Arthur E. Ledbetter recalled the Mendenhalls in the 1870s: "'Uncle' Elihu's and 'Aunt' Abbie's cup of happiness overflowed with its fulness" as they threw their home open to community social gatherings and overnight guests. He adds that their "Spacious barns and stables were in constant readiness for horses and vehicles of visitors; their guest chambers were furnished for solid comfort; the dining room table groaned beneath the weight of good things" he provides insights into the life of the farm in the latter half of the nineteenth century.¹⁰³ Elihu and Abigail were central figures in the Guilford County antebellum and postbellum Quaker community of Deep River.

Elihu Mendenhall is remembered as an enterprising businessman, well-respected among Quakers statewide for his work with the North Carolina Yearly Meeting.¹⁰⁴ Because of their central location, the Quakers of Deep River in Guilford County were often the host of the statewide Yearly Meeting.¹⁰⁵ Their leadership was a large part of why Guilford College was established nearby, North Carolina's only four-year college established by Quakers and a prominent Quaker educational institution in the American South. Mendenhall was one of the most respected and longest-serving chairs of the Board of Trustees of Guilford College, guiding the college through a transition period as the school overcame difficulties following the Civil War, and encouraging the school to redefine itself to face opportunities of the future and become the internationally recognized institution it is today.¹⁰⁶

Elihu was appointed to the New Garden Boarding School Committee by the Yearly Meeting and in 1873 was appointed to the School's Board of Trustees.¹⁰⁷ He was elected Chairman of the Board in 1875, a position he remained in for twenty-seven years. During his chairmanship, the school grew from being New Garden Boarding School with an enrollment of fifty-eight with poor financial footing to Guilford College, a school of nearly 200 students and an endowment of \$175,000 (NR 1990). His memorial printed in the *Guilford Collegian* in 1907 remembers Elihu's dedication when some were ready to close the school: "We can keep the school going and we must do it," he said.¹⁰⁸

¹⁰² "Memorial to Abigail Mendenhall" and "In Memory of Elihu E. Mendenhall."

¹⁰³ Haworth, *A Valiant People: Deep River Friends*, p.130.

¹⁰⁴ Oppermann, Langdon, "Deep River Friends Meeting House and Cemetery," National Register of Historic Places Nomination File, National Park Service, 1995.

¹⁰⁵ Haworth, *A Valiant People: Deep River Friends*, p. vii.

¹⁰⁶ Edmisten, Linda, "Guilford College," National Register of Historic Places Nomination File, National Park Service, 1990.

¹⁰⁷ Haworth, *A Valiant People: Deep River Friends*, p. 102-104.

¹⁰⁸ *Ibid.*, p.103. and *North Carolina Yearly Meeting Book of Memorials*, p. 54.

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Elihu's dedication during his chairmanship on the Board was remembered in remarks from his obituary, "when the day appointed for the meeting came, and often with it a storm, in reply to the question 'Can the Trustees get here today?' 'Elihu Mendenhall will.' and soon his familiar horse and buggy would drive into the yard. Neither heat nor cold, stormy weather nor beautiful days for farming prevented his presence."¹⁰⁹ Likewise, he only missed one Meeting for Sufferings between 1860 and 1870 and it was an excused absence.¹¹⁰

Along with his leadership with Guilford College, one of Elihu's most lasting contributions to the Deep River community is his involvement with the construction of the new meeting house. Elihu was appointed chairman of a committee directed to construct a new meeting house for Deep River Friends Meeting in 1873 (NR 1995).¹¹¹ The committee oversaw the preparation of building material, taking nearly two years to gather the necessary materials. Construction took place from 1874-1875 with the first service held in the new building on the first Sunday of November 1875.¹¹² Mendenhall may have been involved with the design of the new meeting house since both buildings originally shared an unusual feature of windows bisected by internal structures; in the case of the Meeting House, a gallery, in the case of his own home, a stair landing.

Elihu died in August 1906 after a long period of declining health. An advertisement was placed in the *High Point Enterprise* to announce an auction sale of "the personal property of the late Elihu E. Mendenhall" held on Wednesday, December 12, 1906. The auction consisted of "farming implements, horses, wagons, cows, and hogs, farm products, wheat, corn, oats, and hay, threshing and mowing machine, reaper, 2 horse power. Household and kitchen furniture. Terms of sale cash."¹¹³

Abigail remained in the home until her death in May of 1913. After her death, her son Elihu Clarkson (Clark) Mendenhall sold the farm to Floyd and Edna Venable on December 17, 1919.¹¹⁴

Life After the Mendenhalls: The Venable and Blair Twentieth Century Dairy Enterprises

After Abigail Mendenhall's death in May 1913, her son Elihu Clarkson (Clark) Mendenhall sold the farm to Floyd and Edna Venable.¹¹⁵ The Venables moved into the house Christmas Day 1919 by way of a train of covered wagons.¹¹⁶ The family of five sons and one daughter came from Stokes County, where a living had been made raising tobacco. Floyd Venable, the head of the

¹⁰⁹ "In Memory of Elihu E. Mendenhall," FC Memorials- M, August 29, 1906.

¹¹⁰ *Meeting for Suffering*, 1860-1881, Minutes from the Meetings, Greensboro: Guilford College Quaker Archives.

¹¹¹ Haworth, *A Valiant People: Deep River Friends*, p. 99-100.

¹¹² Oppermann, Langdon, "Deep River Friends Meeting House and Cemetery," National Register of Historic Places Nomination File, National Park Service, 1995.

¹¹³ *High Point Enterprise*, December 12, 1906.

¹¹⁴ Guilford County Deed Book 335, Page 123.

¹¹⁵ Guilford County Deed Book 335, Page 123.

¹¹⁶ Beulah Venable Ballance, interview in November 1994.

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family, decided to refocus his career upon realizing that dairying would be profitable. Purchasing the property, he converted the old Mendenhall homeplace into Northview Farm, a state-of-the-art dairy operation producing milk and cream for several customers in High Point, including the Sheraton Hotel.¹¹⁷ Beulah Venable Ballance, daughter of Floyd and Edna Venable, remembered the family farm as being an average size, but modern for the time. Property improvements made by the Venable family to the 202 ½-acre farm in the 1920s included construction of a milking barn, processing house (still extant), granary, and grain silo, later destroyed by a windstorm.

In 1920, Guilford County farms ranged in size from 25 to 200 acres in size, averaging 100 acres.¹¹⁸ Considerable dairying was carried on in the vicinity of High Point and Greensboro in 1920.¹¹⁹ Though many dairies supplied a creamery and pasteurizing station in Greensboro, or ice cream factories in High Point and Greensboro, Northview Farm took its position supplying products directly to the consumer. A processing house housed machinery to separate the milk from the cream, and the product was stored in a large refrigeration unit on the back porch until the morning or evening delivery.¹²⁰

Northview farm was relatively short-lived, however. As the five Venable sons all married or moved away, they took with them much-needed assistance in day-to-day operations of the dairy. In consideration of his increasing age and loss of help, Floyd Venable auctioned off Northview Farm in 1927 and moved to Greensboro, where he became a home builder. A large advertisement in the local paper announced the May 31st auction and described the property to potential buyers. "This beautiful property," the ad states "offers an excellent opportunity to the man a modern, first-class dairy farm, and to the investor a great opportunity to make a sound and conservative investment that is sure to enhance in value. 200 acres in high state of cultivation. Many improvements. New, modern dairy barn with 40 stanchions, feed and lounging barn for 50 cows. 100-ton silo, milk house, outbuildings, 2 tenant houses, good ten room house."¹²¹

John B. Blair purchased the farm from the Venables in May of 1927.¹²² Blair was an established dairyman in High Point, with a successful farm named Cloverhill located on the edge of the growing city. In buying Northview Farm, Blair intended to move the Cloverhill dairy operations to the new site and sell off his original farm for development. He renamed his new acquisition Cloverhill Farm and relocated his large family of eight sons to the new site to manage it.¹²³ Though the main base of operations was on an adjacent farm, the large Elihu, Ann, and Abigail Mendenhall House was well suited for boarding family members. Many members of the Blair family resided at the house for varying lengths of time throughout the 1930s and part of the

¹¹⁷ The Venable's building campaign of new dairy related improvements testifies to the high goals and ambitions the family had for the operation.

¹¹⁸ Jurney, R. C. and S. O. Perkins, W. A. Davis, W. D. Lee, *Soil Survey of Guilford County, North Carolina*. Washington: Government Printing Office, 1923, p. 175.

¹¹⁹ *Ibid*, p. 173.

¹²⁰ Beulah Venable Ballance, interview in April 1997.

¹²¹ *High Point Enterprise*, May 29, 1927.

¹²² Guilford County Deed Book 566, Page 517.

¹²³ Garland Blair, interview in March 1996.

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1940s until Garland A. Blair and his wife Gladys Edmonds purchased the farm from the family operation in 1945. Garland and Gladys had "sold out" of Cloverhill Farms several years prior to their purchase of the Mendenhall House and had established their own operations in 1938 named Blairwood Dairy located several miles south. In 1945, the operations for Blairwood Dairy were moved to the Mendenhall House property, a new pasteurizing house was constructed, and other improvements were made.¹²⁴

Blairwood Dairy was one of three dairies in High Point that catered to the needs of individual homeowners. Though Lindale Dairy and Cloverbrand Dairy were larger enterprises, Blairwood provided more specialized services and a higher grade of whole milk than its competitors. Many of their customers were from prominent families in High Point, who had been served by the elder Blair through Cloverhill. Cloverhill, by this time, sold primarily to Guilford Dairy, a large processing house in Greensboro. Garland Blair's declining health led to the sale of Blairwood Dairy's accounts to Coble Dairy in 1955, and the property reverted to small-scale agricultural use by the Blair family. The Blair family-maintained ownership of the property after Garland Blair's death, and his wife Gladys remained in the Mendenhall House until 1990. During the 1970s and 1980s, Gladys Blair sold portions of the farm to individuals who have since constructed single-family homes on the tracts.¹²⁵

The six-acre remnant of the original Mendenhall property was sold to Jack H. Campbell in 1993 and was designated a Guilford County Historic Landmark in September of 1993. A meticulous restoration campaign followed and was completed in 1996.

CRITERION C: Greek Revival Architecture in Guilford County

The Elihu, Ann, and Abigail Mendenhall House meets Criterion C as one of Guilford County's most significant mid-nineteenth-century Greek Revival-style houses. A review of buildings in Guilford County reveals the house to be on the cusp of the transition of building technology as well as design; from traditional practices that had been in use in the area since settlement in the 1740s to new methods of construction brought during the period of rapid change after the completion of the Fayetteville and Western Plank Road (1853) and the North Carolina Railroad (1855) to the county.¹²⁶ The Elihu, Ann, and Abigail Mendenhall House marks its forward-thinking builder's welcome of improved access to ideas and technology to the area. With this new exchange came new concepts of architecture. National building styles made their way into rural Guilford County timidly, as the backcountry of North Carolina was notoriously conservative. The Elihu, Ann, and Abigail Mendenhall House is one of the county's finest examples of Greek Revival architecture and illustrates the adaptation of the Romantic Period's European and Classical Revival styles brought into the area and introduced to the local building tradition by A. J. Davis through his work at Blandwood in Greensboro in the 1840s. The design of the house, utilizing national building styles, is a testament to the progressive nature of its

¹²⁴ *Ibid.*

¹²⁵ *Ibid.*

¹²⁶ Bishir, Catherine, *North Carolina Architecture*, Chapel Hill: University of North Carolina Press, 2005, p. 268.

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forward-thinking owner.¹²⁷ As a benchmark to the development of Guilford County into a cultural, educational, and economic center of the state, the Elihu, Ann, and Abigail Mendenhall House today symbolizes the faith and practice of its past owners.

Despite its unusual size for a nineteenth century home in Guilford County, the house is austere and conservative in detail.¹²⁸ Rather than employing an impressive, imposing porch, which is often utilized in Greek Revival residences, the Mendenhalls opted for a very modest portico to their large house with delicate detailing. This is perhaps due to the egalitarian and welcoming Quaker nature of the Mendenhalls who sought a separation from the Olde South plantation homes owned by nearby enslavers. It may well be that the Mendenhalls built their large house, comparable in size to plantation houses found in some slave-economy countries, to demonstrate that one did not need to exploit the labor of enslaved people to be successful.

Architectural Context

Throughout the state of North Carolina, particularly in the agrarian plantation areas of the state, builders blended Picturesque ornamentation with standard house forms.¹²⁹ The Elihu, Ann, and Abigail Mendenhall House survives as one of the few examples of the Greek Revival style with Picturesque elements in Guilford County. Some of the best contextual comparisons are now gone, including the Nereus Mendenhall House (c. 1850), the home of Elihu's cousin, and the Isaac Thacker House (GF2076). Though the Elihu, Ann, and Abigail Mendenhall House is among the largest antebellum houses in the county, its design ranks among the most austere. Some Greek Revival counterparts include the Jesse Benbow II House (GF0166), The Shubal House (GF25), and the Sanders-Blaylock House (GF374); however, these houses are purely Greek Revival and differ from the Elihu, Ann, and Abigail Mendenhall House in their lack of Picturesque ornamentation.

The minimal, reserved Romantic detailing of the Elihu, Ann, and Abigail Mendenhall House illustrates the entry of Victorian era designs into rural, Quaker Guilford County. A few Romantic counterparts remain in the county, including the Gothic Revival William Fields House (GF174), the Italianate Blandwood Mansion (1844 additions) in Greensboro (NHL 1988) and the Gothic-styled Shubal Coffin House II (c. 1855) in Jamestown (NR District 1969). Although they share Romantic expression, the Elihu, Ann, and Abigail Mendenhall House differs greatly from these examples because of its Greek Revival aspects.

The Elihu, Ann, and Abigail Mendenhall House offers a unique snapshot of the years around the arrival of the products of the industrial revolution to the upper Piedmont. The year 1853 marked

¹²⁷ Bishir, *North Carolina Architecture*, 269.

¹²⁸ The Elihu, Ann, and Abigail Mendenhall House is an unusually large scale for all of Guilford County during this time period. There are very few nineteenth century double-pile, two-story, center hall houses in the county, and the scale of this house is large compared to Alexander Strong Martin House (1835) in Summerfield, the Bumpass-Troy House (1847) of Greensboro, Model Farm (1867) in High Point, and the Jesse Benbow House (1858) in Oak Ridge, with a notable exception being Blandwood Mansion after the 1844 Alexander Jackson Davis Italianate expansion.

¹²⁹ Bishir, *North Carolina Architecture*, 307.

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the completion of the Great Fayetteville and Western Plank Road to Salem, North Carolina, which improved the economic outlook of the region and allowed for construction of larger, finer dwellings.¹³⁰ The plank road was constructed through the area with the use of portable circular saws. Therefore, it is not surprising that most of the lumber in the Elihu, Ann, and Abigail Mendenhall House exhibits circular saw marks as they were taking advantage of this new and efficient technology. This new technology had not been perfected yet as lumber and floorboard widths vary as much as one-half inch.

The plank road also opened the area to trade with more populated and industrialized areas. Many items in the Elihu, Ann, and Abigail Mendenhall House appear to be machine-made or pre-manufactured; for example, nails from the c. 1850 section are machine-cut and headed. Poorly fitted mantles indicate their construction in a location offsite. During the 1994-1996 rework of the front door, when the transoms and sidelights were removed for restoration, mortise and tenon peg corners were revealed, suggesting that they were modular units of a standardized in size, like a window sash, and inserted into place rather than built-in on site.

The design of the house, its materials, and its technology are indicative of a renaissance "age of improvement" in the Carolina Piedmont, made more accessible by the Plank Road and the North Carolina Railroad.¹³¹ High Point historian Colonel W. A. Blair recalled, "the influence of the road upon the manners and customs of the people was striking and interesting. They were able to send produce, their dried fruit, beeswax and other commodities to the markets and people began to put on airs, dress better, move their pig pens back of their houses, fix up their homes, yards and garden, grease their boots and harness, curry their horses and quit using the old accustomed designation 'meat sop' and called it 'gravy!'"¹³²

With new access and communication to other areas of the country came new construction techniques. Although the frame of the Elihu, Ann, and Abigail Mendenhall House is hewn timber, platform framing was supplemented for floor and ceiling construction and walls were constructed using evenly spaced studs. Hand split lath was attached using machine-made nails. A unique double joist floor system was used to alleviate doubts about the ability of the parlor's plaster ceiling to withstand stress cracks. Air space of approximately one inch was maintained between the bottom of the 2" x 7" ceiling joist and the plaster and lath.

The Elihu, Ann, and Abigail Mendenhall House is the product of a time of change in Guilford County. Like a snapshot, it records a brief moment in time through its physical record. Its architecture records the influence of national trends and its progressiveness stands in testimony of its original owners. With the local neighborhood growing at a rapid pace, the Elihu, Ann, and Abigail Mendenhall House needs to be recognized for its significant role in North Carolina history, so that this historic place may remain a landmark within its changing world.

¹³⁰ Bishir, *North Carolina Architecture*, 297.

¹³¹ *Ibid.*

¹³² Briggs, Benjamin, "Quaker Home Documents Progressive Chapter of History," Preservation Greensboro Blog, October 21, 2013. <https://preservationgreensboro.org/quaker-home-documents-progressive-chapter-of-history>.

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9. Major Bibliographical References

Bibliography (Cite the books, articles, and other sources used in preparing this form.)

Anscombe, Francis Charles, *I Have Called You Friends: The Story of Quakerism in North Carolina*, Boston: The Christopher Publishing House, 1959, p. 166-167.

Bassett, John Spencer, *Anti-Slavery Leaders in North Carolina*, Baltimore: Johns Hopkins Press, June 1898.

"Back Creek Monthly Meeting, Women's Meeting Minutes, Randolph County, North Carolina." North Carolina Friends Historical Society, Greensboro: Guilford College Quaker Archives.

Beulah Venable Ballance (daughter of Floyd and Edna Venable), recorded site visit with Jack H. Campbell, Jr., November 1994.

Bellows, John, "Friends in North Carolina During the American War, 1861-1865," *The American Narrative*, Gloucester: 1894.

Bill Blair (cousin to Garland Blair), interview with Benjamin Briggs, August 2021.

Bishir, Catherine, *North Carolina Architecture*, Chapel Hill: University of North Carolina Press, 2005.

Bland, Linda Adams, *Guilford County Quakers and Slavery in North Carolina*, Winston-Salem: Wake Forest University Dissertation, 1968.

Briggs, Benjamin, "Quaker Home Documents Progressive Chapter of History," Preservation Greensboro Blog, October 21, 2013. <https://preservationgreensboro.org/quaker-home-documents-progressive-chapter-of-history>.

Browning, Mary, *Bending the Twigs in Jamestown: A History of Education in Jamestown, North Carolina 1755-1945*. Privately Published by the Historic Jamestown Society, 2004.

Butchart, Ronald E., *Schooling the Freed People: Teaching, Learning, and the Struggle for Black Freedom 1861-1876*, Chapel Hill: The University of North Carolina Press, 2010.

Census Year: 1850; Census Place: Northern Division, Guilford, North Carolina; Archive Collection Number: M1805; Roll: 6; Page: 366; Line: 1; Schedule Type: Manufacturing.

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

Census Year: 1860; Census Place: South Division, Guilford, North Carolina; Archive Collection Number: M1805; Roll: 2; Page: 1; Line: 1; Schedule Type: Manufacturing.

"County Campaign Catechism," *Greensboro North State*, July 25, 1878, *Newspapers.com*. Accessed January 7, 2022.

E. L. Briggs, Jr. (son of E. L. Briggs, Sr), discussion with Benjamin Briggs, August 1991.

Edmisten, Linda, "Guilford College," National Register of Historic Places Nomination File, National Park Service, 1990.

"Estate of James Mendenhall," Guilford County Wills, May Term, 1861, Number 79.

Garland Blair (son of Garland and Gladys Edmonds Blair), interview with Benjamin Briggs, July 1993.

Green, Hilary and Keith S. Hébert, "Historic Resource Study of African American Schools in the South, 1865-1900," National Park Service: U.S. Department of the Interior, 2022, p. 250.

Gwen Gosney Erickson (Quaker Archivist and Special Collections Librarian at Guilford College) in discussion with author, November 2023.

Guilford County Deed Book 7, Pages 502-503.

Guilford County Deed Book 335, Page 123.

Guilford County Deed Book 566, Page 517.

Haworth, Cecil, *A Valiant People: Deep River Friends*, Greensboro: North Carolina Yearly Meeting, 1985.

High Point Enterprise, December 12, 1906.

High Point Enterprise, May 29, 1927.

Hinshaw, Mary Edith and Seth B., *Quaker Women of Carolina*, North Carolina: United Society of Friends Women, 1994.

Hinshaw, William Wade, *Encyclopedia of American Quaker Genealogy*, 1936.

Hobbs, Mary Mendenhall, "A Tribute to E. E. Mendenhall," *The Guilford Collegian*, October 1906.

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

"In Memory of Elihu E. Mendenhall," FC Memorials- M, August 29, 1906.

"Jeremiah Hubbard to the North Carolina Quarterly Meetings," *Record of Correspondence 1826*, Greensboro: Guilford College Quaker Archives.

Jurney, R. C. and S. O. Perkins, W. A. Davis, W. D. Lee, *Soil Survey of Guilford County, North Carolina*. Washington: Government Printing Office, 1923.

Jones, Rufus, *The Later Periods of Quakerism*, London: MacMillan and Co., 1921.

Florence White Allen (lifelong member of Deep River Friends Meeting and local historian) in discussion with Benjamin Briggs, August 1994.

Kirkman, Roger N., *Break Every Yoke: The North Carolina Manumission Society, 1816-1834*.

Klain, Zora, *Quaker Contributions to Education in North Carolina*, Philadelphia: Westbrook Publishing Company, 1925.

Lane, Mills, "Plan and Exterior Elevation for Additions to Jesse Lindsay House, Greensboro, by A. J. Davis, 1853," *Architecture of the Old South: North Carolina*. New York: Abbeville Press, 1985.

Lasley, Rebecca Graham, "Anti-Slavery Movement in North Carolina," Tar Heel Junior Historian Association and the North Carolina Museum of History, Revised by NC Government & Heritage Library, May 2022.

Margaret Davis Winslow, *A Gift from Grandmother*, privately printed, December 1958.

Meeting for Suffering, 1860-1881, Minutes from the Meetings, Greensboro: Guilford College Quaker Archives.

"Memorial to Abigail Mendenhall," Obituary, May 15, 1913.

"Minutes of North Carolina Yearly Meeting of Friends, held at New Garden on Second-Day, the Fifth of Eleventh Month, 1866," Greensboro, NC. A. W. Ingold, Printer, Greensboro Patriot Office, 1866.

Oppermann, Langdon, "Deep River Friends Meeting House and Cemetery," National Register of Historic Places Nomination File, National Park Service, 1995.

Richmond, Ben, *Reminiscences of Levi Coffin: The Reputed President of the Underground Railroad*, Richmond, Indiana: Friends United Press, 1991.

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

“U.S, UK and Ireland, Quaker Published Memorials, 1818-1919” Provo, UT: Ancestry.com
Operations, Inc., 2013. <https://www.ancestry.com/discoveryui-content/view/34430:2581>.

Weeks, Stephen, *Southern Quakers and Slavery*, New York: Bergman Publishers, 1896.

Williams, Margo Lee, *From Hill Town to Strieby: Education and the American Missionary Association in the Uwharrie “Back Country” of Randolph County, North Carolina*, Crofton, Kentucky: Backintyme Publishing, 2016, <https://margoleewilliamsbooks.com>. Accessed on January 7, 2022.

Previous documentation on file (NPS):

- ☐ preliminary determination of individual listing (36 CFR 67) has been requested
☐ previously listed in the National Register
☒ previously determined eligible by the National Register
☐ designated a National Historic Landmark
☐ recorded by Historic American Buildings Survey # _____
☐ recorded by Historic American Engineering Record # _____
☐ recorded by Historic American Landscape Survey # _____

Primary location of additional data:

- ☒ State Historic Preservation Office
☐ Other State agency
☐ Federal agency
☐ Local government
☐ University
☐ Other

Name of repository: _____

Historic Resources Survey Number (if assigned): GF1544

10. Geographical Data

Acreage of Property 6.43 acres

Use either the UTM system or latitude/longitude coordinates

Latitude/Longitude Coordinates

Datum if other than WGS84: _____
(enter coordinates to 6 decimal places)

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

1. Latitude: 36.036941

Longitude: -80.017372

Or

UTM References

Datum (indicated on USGS map):

☐

AD 1927 or

☐

NAD 1983

1. Zone:

Easting:

Northing:

Verbal Boundary Description (Describe the boundaries of the property.)

The property to be nominated is all of the lot described by Guilford County Tax Map #: 18-401, Block #: 001, Parcel #: 05, Deed Book #: 4093, Pages 15, 16. The nominated area is outlined on the attached map titled "National Register Boundary Map".

Boundary Justification (Explain why the boundaries were selected.)

The nominated boundary is drawn to include the Elihu, Ann, and Abigail Mendenhall House and historically related outbuildings and sites on the residual 6.43-acre parcel, which provides an appropriate historic setting for the nominated resources. The boundary includes the main house, outbuildings, fields and hedgerows that have historically been components of the Elihu, Ann, and Abigail Mendenhall House and that maintain historic integrity.

11. Form Prepared By

name/title: Samantha Stewart, Benjamin Briggs

organization: Gate City Preservation L.L.C.

street & number: 211 Tate Street

city or town: Greensboro

state: NC zip code: 27403

e-mail: samantha@gatecitypreservation.com

telephone: (919) 389-0564

date: November 16, 2023

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

Additional Documentation

Submit the following items with the completed form:

- **Maps:** A USGS map or equivalent (7.5 or 15 minute series) indicating the property's location.
- **Sketch map** for historic districts and properties having large acreage or numerous resources. Key all photographs to this map.
- **Additional items:** (Check with the SHPO, TPO, or FPO for any additional items.)

Photographs

Submit clear and descriptive photographs. The size of each image must be 1600x1200 pixels (minimum), 3000x2000 preferred, at 300 ppi (pixels per inch) or larger. Key all photographs to the sketch map. Each photograph must be numbered and that number must correspond to the photograph number on the photo log. For simplicity, the name of the photographer, photo date, etc. may be listed once on the photograph log and doesn't need to be labeled on every photograph.

Photo Log

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Front (north) elevation of Elihu, Ann, and Abigail Mendenhall House.

1 of 10.

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Side (west) elevation of Elihu, Ann, and Abigail Mendenhall House.

2 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Rear (south) elevation of Elihu, Ann, and Abigail Mendenhall House.

3 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

Description of Photograph: Side (east) elevation of Elihu, Ann, and Abigail Mendenhall House.

4 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Main foyer facing south of Elihu, Ann, and Abigail Mendenhall House.

5 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Downstairs bedroom facing southeast Elihu, Ann, and Abigail Mendenhall House.

6 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Kitchen cooking hearth facing north.

7 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Stairs with divided window facing south.

8 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: Upstairs hall facing south

9 of 10.

Name of Property: Elihu, Ann, and Abigail Mendenhall House

Elihu, Ann, and Abigail Mendenhall House
Name of Property

Guilford, North Carolina
County and State

City or Vicinity: High Point

County: Guilford County

State: North Carolina

Photographer: Samantha Smith

Date Photographed: February 11, 2022

Description of Photograph: View of grain silo and pasteurizing house, facing west.

10 of 10.

Paperwork Reduction Act Statement: This information is being collected for nominations to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 460 et seq.). We may not conduct or sponsor and you are not required to respond to a collection of information unless it displays a currently valid OMB control number.

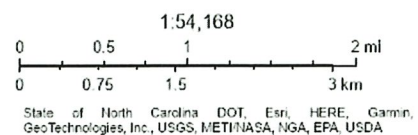
Estimated Burden Statement: Public reporting burden for each response using this form is estimated to be between the Tier 1 and Tier 4 levels with the estimate of the time for each tier as follows:

- Tier 1 – 60-100 hours
- Tier 2 – 120 hours
- Tier 3 – 230 hours
- Tier 4 – 280 hours

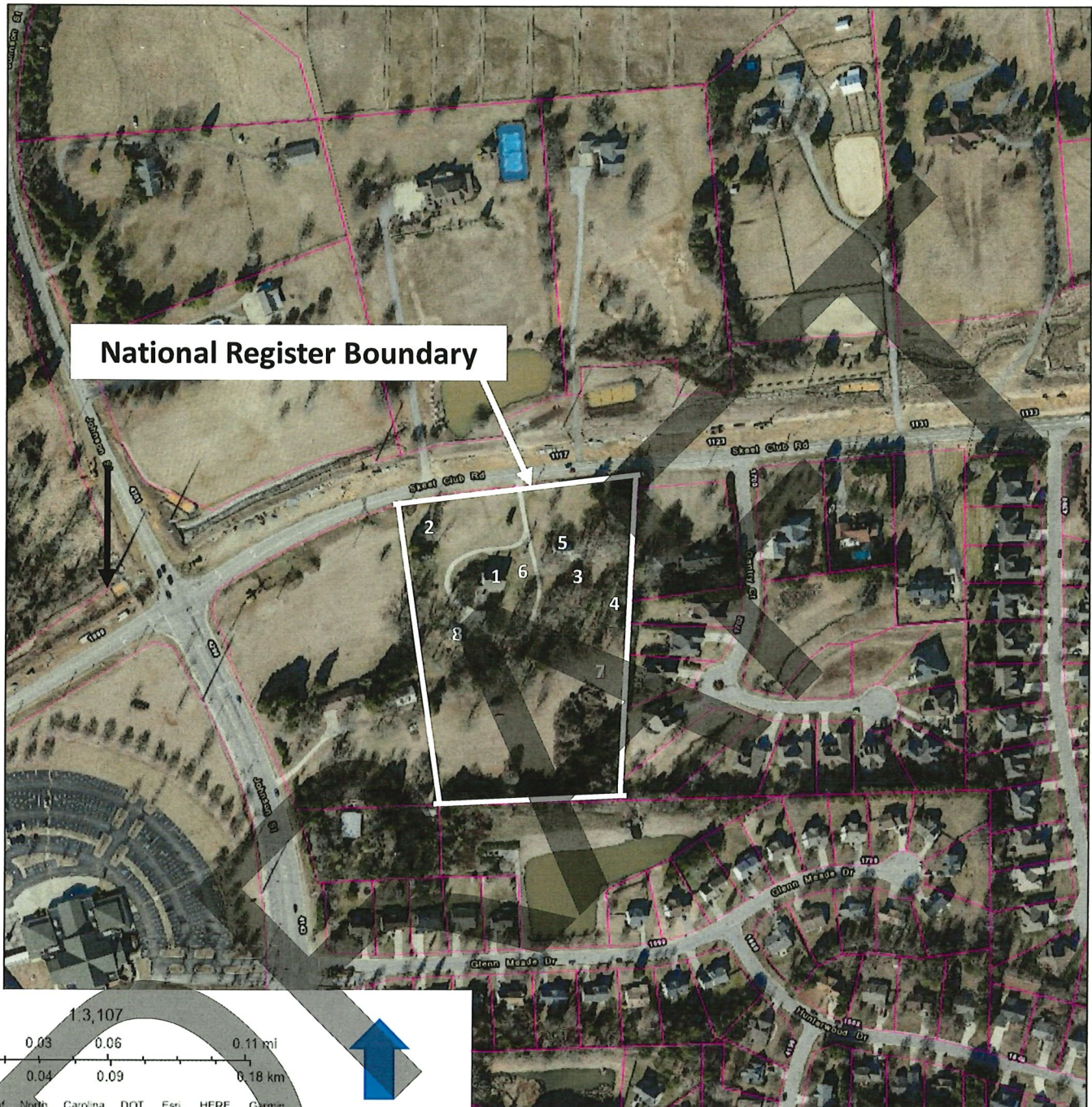
The above estimates include time for reviewing instructions, gathering and maintaining data, and preparing and transmitting nominations. Send comments regarding these estimates or any other aspect of the requirements to the Service Information Collection Clearance Officer, National Park Service, 1201 Oakridge Drive Fort Collins, CO 80525.



Elihu and Abigail Mendenhall House
 1106 Skeet Club Road
 High Point, Guilford County
 North Carolina
National Register Location Map



Source: NC HPO, HPOWEB
 Created by Samantha Smith 08-23-2022



National Register Boundary

13,107
0 0.03 0.06 0.11 mi
0 0.04 0.09 0.18 km

N

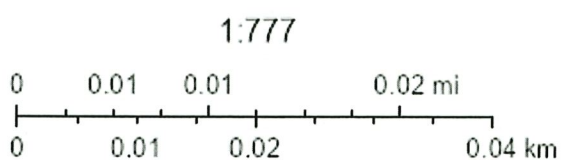
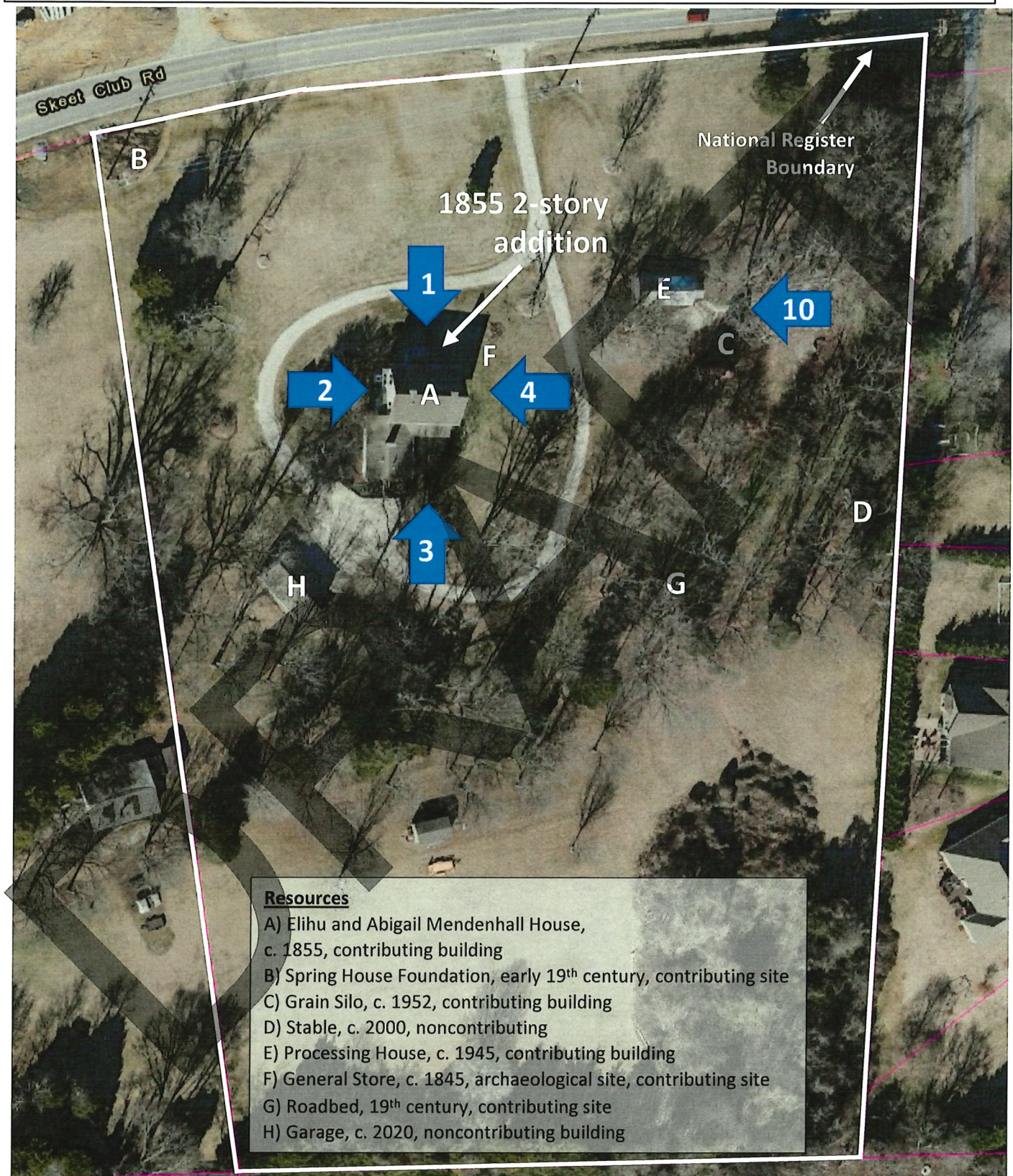
**Elihu and Abigail
Mendenhall House**
1106 Skeet Club Road
High Point, Guilford County
North Carolina
National Register Boundary Map

**Boundary
encompasses tax
parcel number
53000000370000
indicated by the
thick white line.**

Resources

1. Elihu and Abigail Mendenhall House, c. 1855, contributing building
2. Spring House Foundation, early 19th century, contributing site
3. Grain Silo, c. 1952, contributing building
4. Stable, c. 2000, noncontributing
5. Processing House, c. 1945, contributing building
6. General Store, c. 1845, archaeological site, contributing site
7. Roadbed, 19th century, contributing site
8. Garage, c. 2020, noncontributing building

ELIHU AND ABIGAIL MENDENHALL HOUSE | 1106 Skeet Club Road High Point, Guilford County, North Carolina 27265



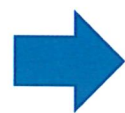
Photographic Key



Parcel Boundaries



**ELIHU AND ABIGAIL MENDENHALL HOUSE | 1106 Skeet Club Road
High Point, Guilford County, North Carolina 27265**



Photographic Key



FIRST LEVEL

1995
Master Bath
Addition

1995
Kitchen
Addition



SECOND LEVEL

1995
Two-
Bathroom
Addition



**Representative Photos
Elihu, Ann, and Abigail Mendenhall House
Guilford County**



Front (north) elevation



Main Foyer facing south

NATIONAL REGISTER FACT SHEET 2

NATIONAL REGISTER CRITERIA FOR EVALUATION

The following criteria are designed to guide the states, federal agencies, and the Secretary of the Interior in evaluating potential entries for the National Register.

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

- A. that are associated with events that have made significant contribution to the broad patterns of our history; or*
- B. that are associated with the lives of persons significant in our past; or*
- C. that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or*
- D. that have yielded, or may be likely to yield, information important in prehistory or history.*

Criteria Considerations (Exceptions): Ordinarily cemeteries, birthplaces, or graves of historical figures, properties owned by religious institutions or used for religious purposes, structures that have been moved from their original locations, reconstructed historic buildings, properties primarily commemorative in nature, and properties that have achieved significance within the past 50 years shall not be considered eligible for the National Register. However, such properties will qualify if they are integral parts of districts that do meet the criteria or if they fall within the following categories:

- A. a religious property deriving primary significance from architectural or artistic distinction or historical importance; or*
- B. a building or structure removed from its original location but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event; or*
- C. a birthplace or grave of a historical figure of outstanding importance if there is no other appropriate site or building directly associated with his or her productive life; or*
- D. a cemetery that derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or*
- E. a reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or*
- F. a property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own historical significance; or*
- G. a property achieving significance within the past 50 years if it is of exceptional importance.*

(see other side)

APPLYING THE CRITERIA

The two principal issues to consider in determining eligibility for the National Register are "significance" and "integrity."

A property may have "**significance**" for association with important events or patterns of history (criterion A); for association with an important historical figure (criterion B); as an important example of period architecture, landscape, or engineering (criterion C); or for the information it is likely to yield (criterion D, applied to archaeological sites and districts, and sometimes applied to certain types of structures). A National Register nomination must demonstrate how a property is significant in at least one of these four areas. For properties nominated under criterion A, frequently cited areas of significance are agriculture, community planning and development, social history, commerce, industry, politics and government, education, recreation and culture, and others. For technical reasons, criterion B (significant person) nominations are rare. Criterion C (architecture) is cited for most, but not all, nominations of historic buildings. Archaeological sites are always nominated under criterion D, but may also have significance under one or more of the other three criteria.

Properties are nominated at a local, state, or national level of significance depending on the geographical range of the importance of a property and its associations. The level of significance must be justified in the nomination. The majority of properties (about 70%) are listed at the local level of significance. The level of significance has no effect on the protections or benefits of listing.

Besides meeting one or more of the above criteria, a property must also have "**integrity**" of "location, design, setting, materials, workmanship, feeling, and association." This means that the property must retain enough of its historic physical character (or in the case of archaeological sites, intact archaeological features) to represent its historic period and associations adequately.

All properties change over time, and in some cases past alterations can take on historical significance in their own right. The degree to which more recent, incompatible, or non-historic alterations are acceptable depends on the type of property, its rarity, and its period and area of significance. Buildings with certain types of alterations are usually turned down by the National Register Advisory Committee. For example, 19th and early 20th century wood frame buildings that have been brick veneered in the mid-20th century are routinely turned down for loss of historic integrity. Similarly, it is extremely rare that buildings covered in synthetic materials such as aluminum or vinyl siding are individually eligible for listing in the Register.

Criteria Exceptions

The criteria exclude birthplaces and graves of historical figures, cemeteries, religious properties, moved buildings, reconstructions, commemorative properties, and properties less than 50 years old, with certain exceptions. The following exceptions are sometimes encountered:

Historic **churches** that are architecturally significant and retain sufficient architectural integrity can be successfully nominated under criterion C (architecture), sometimes together with criterion A for social or religious history, provided they have not been brick-veneered or covered in aluminum or vinyl siding.

Cemeteries may sometimes successfully be nominated under criterion C when they retain important examples of historic stone carving, funerary art, and/or landscaping, and they also may be eligible under criterion A or criterion D. However, both the National Register Advisory Committee and the National Register have turned down nominations of graves when the historical importance of the deceased is the sole basis for the nomination. The National Register was created primarily to recognize and protect historic places and environments that represent how people lived, worked, and built in the historic past. Human burials are recognized and protected under other laws and programs.

Moved buildings may sometimes be successfully nominated under criterion C for architecture when they remain in their historic communities and the new setting adequately replicates the original setting. The point to remember is that the program is called the National Register of Historic Places, not Historic Buildings or Historic Things, because significance is embodied in locations and settings as well as in the structures themselves. Buildings moved great distances, buildings moved into incompatible settings (such as a farmhouse moved into an urban neighborhood or a downtown residence moved to a suburb), and collections of buildings moved from various locations to create a pseudo-historic "village" are routinely turned down. In some cases, the relocation of a historic building to a distant or incompatible setting may be the last and only way to save it, and such an undertaking may be worthwhile. However, sponsors of such a project must understand that the property subsequently may not be eligible for the National Register.

If a property is **less than 50 years old**, it can be nominated only if a strong argument can be made for exceptional significance. For example, Dorton Arena on the State Fairgrounds was completed in 1953. It was successfully nominated to the National Register in 1973 as one of the most important examples of modernism in post-World War II American architecture.

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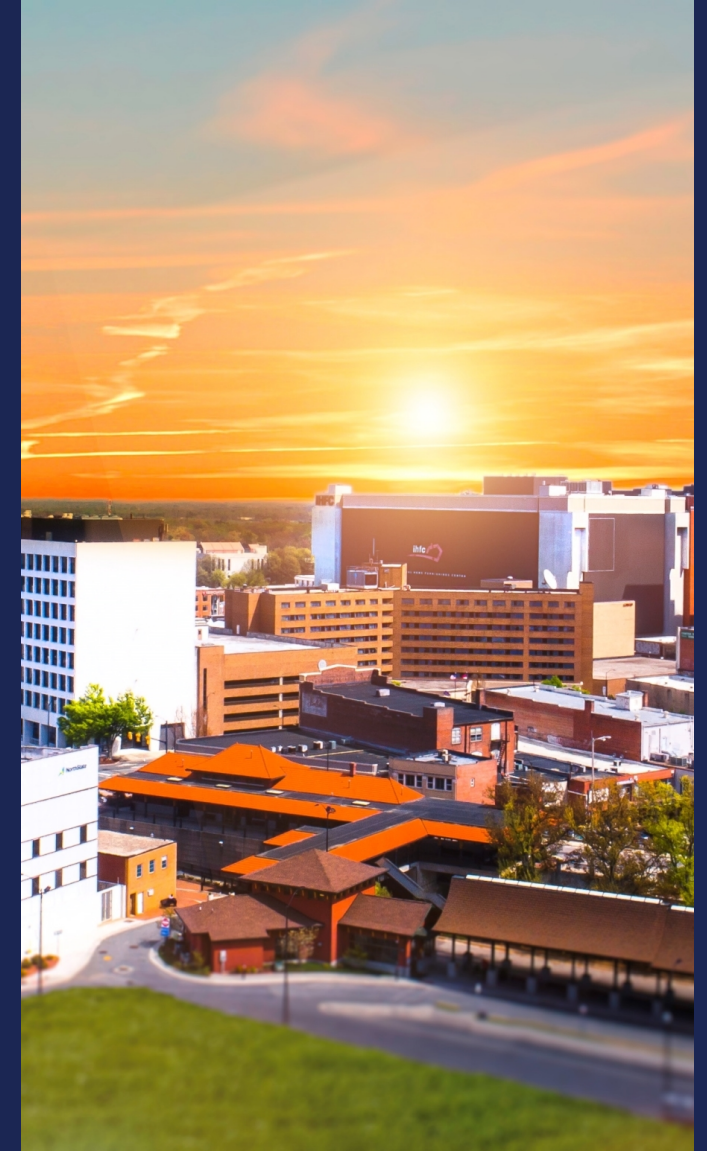
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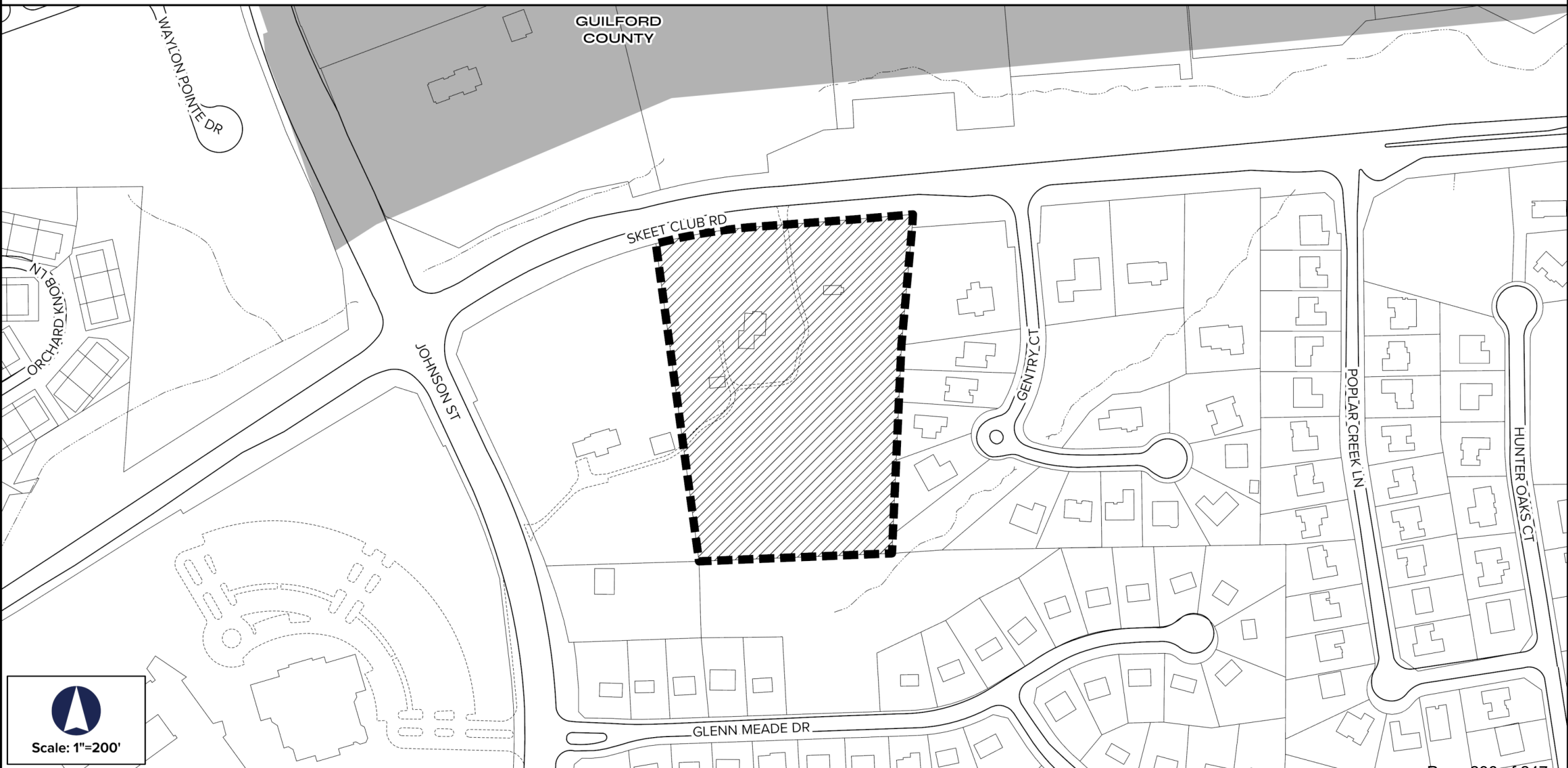
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National Register Nomination

Elihu, Ann, and Abigail Mendenhall House
1106 Skeet Club Rd



NATIONAL REGISTER NOMINATION: ELIHU, ANN, AND ABIGAIL MENDENHALL HOUSE





Elihu, Ann, and Abigail Mendenhall House - Front (north) elevation



Elihu, Ann, and Abigail Mendenhall House – Side (west) elevation



Elihu, Ann, and Abigail Mendenhall House – Rear (south) elevation



Elihu, Ann, and Abigail Mendenhall House – Side (east) elevation



Elihu, Ann, and Abigail Mendenhall House – Main foyer facing south



Elihu, Ann, and Abigail Mendenhall House

Downstairs bedroom facing southeast



Elihu, Ann, and Abigail Mendenhall House

Kitchen cooking hearth facing north



Elihu, Ann, and Abigail Mendenhall House

View of Grain silo and pasteurizing house facing west



Elihu, Ann, and Abigail Mendenhall House

Stairs with divided window facing south



Elihu, Ann, and Abigail Mendenhall House Upstairs Hall facing south

