

09/28/2011
 SYSTEMS\$\$\$\$\$DGN\$\$\$\$\$SUSERNAME\$\$\$\$\$

TIP PROJECT: I-5878

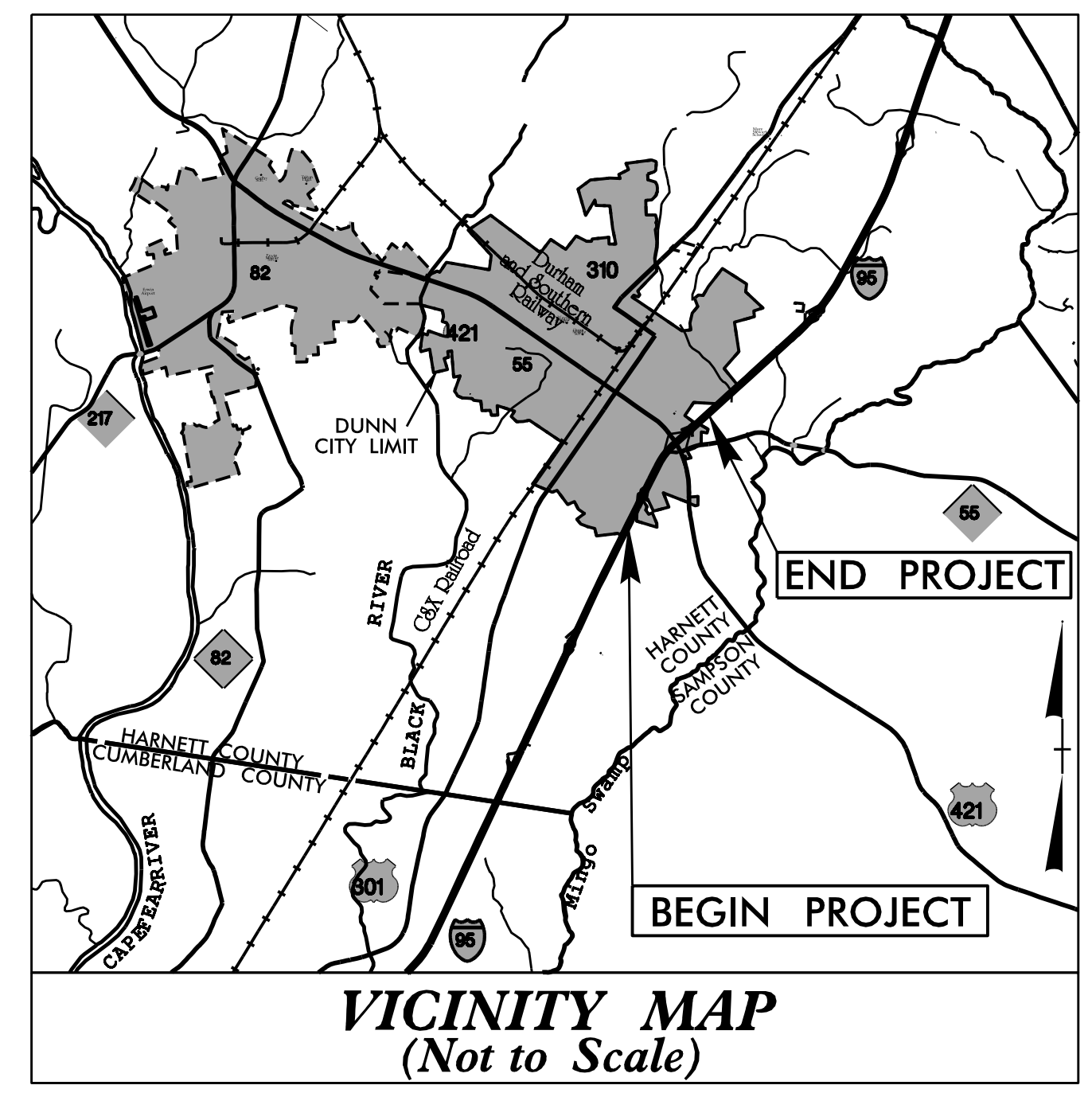
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

| | |
|-----------------------------|--------------------------|
| T.I.P. NO. I-5878 | SHEET NO. UC-1 |
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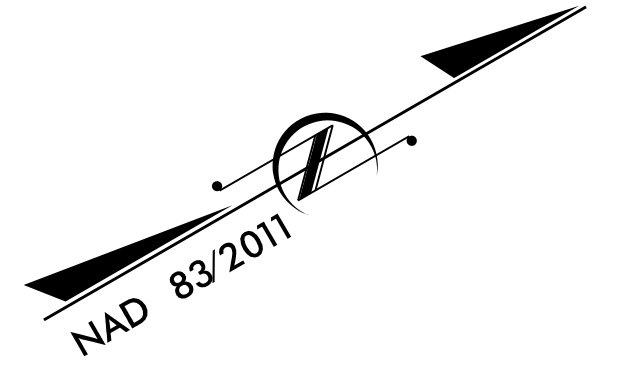
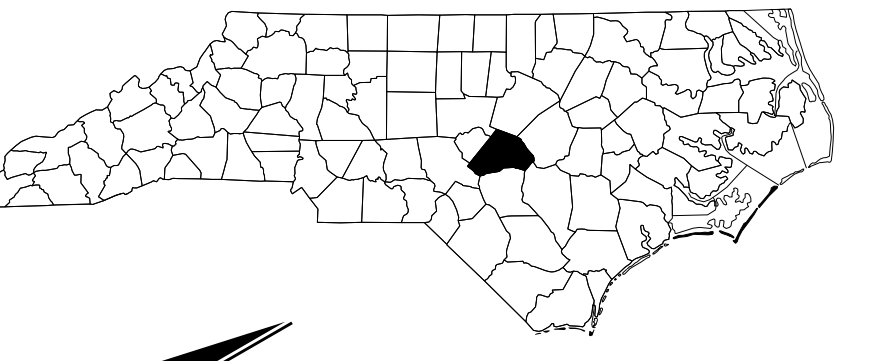
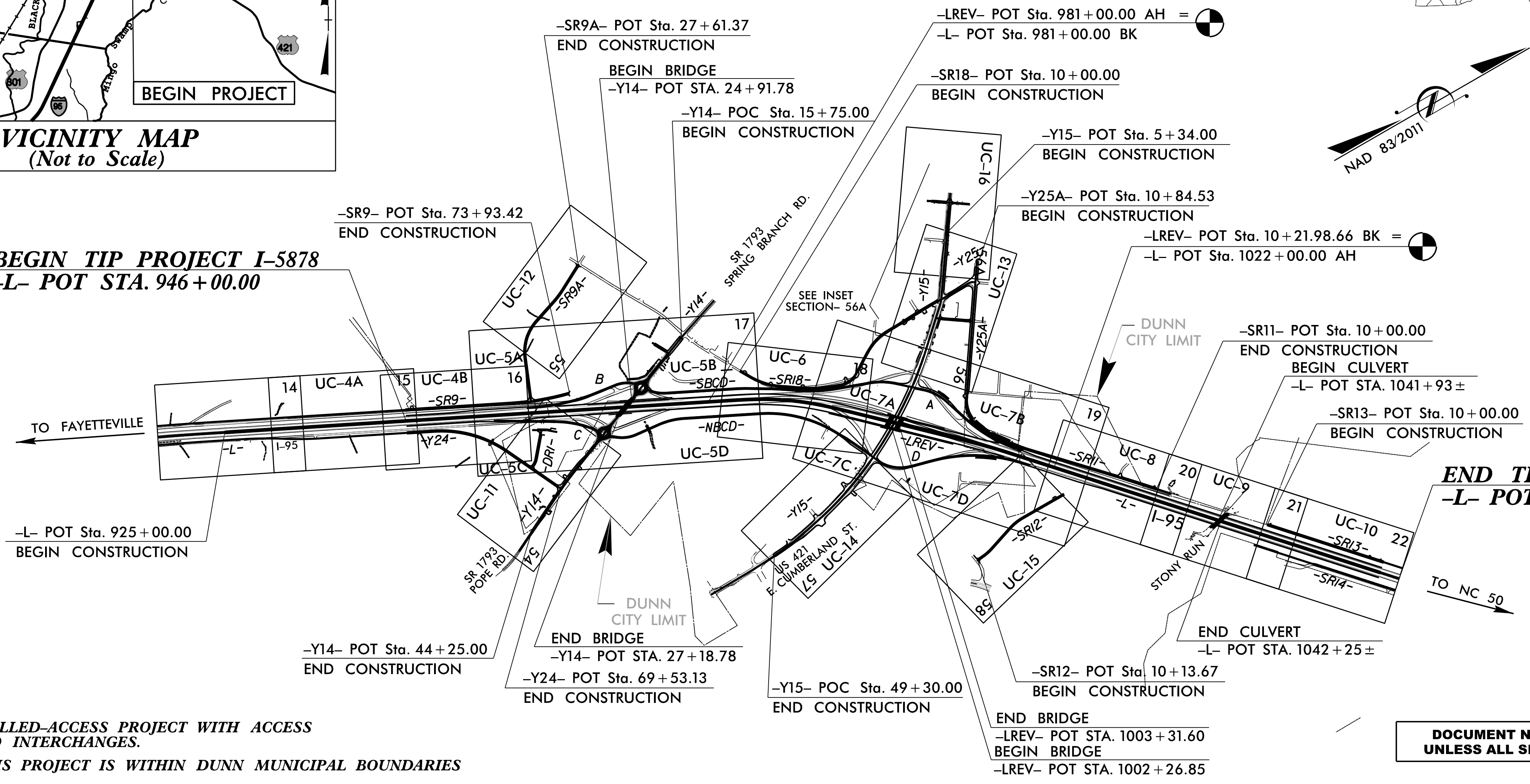
**UTILITY CONSTRUCTION
HARNETT COUNTY**

LOCATION: IMPROVE I-95 INTERCHANGES AND WIDEN TO EIGHT LANES SR 1793 (SPRING BRANCH ROAD /POPE ROAD) (EXIT 72) TO US 421 (EXIT 73)

TYPE OF WORK: UTILITY CONSTRUCTION



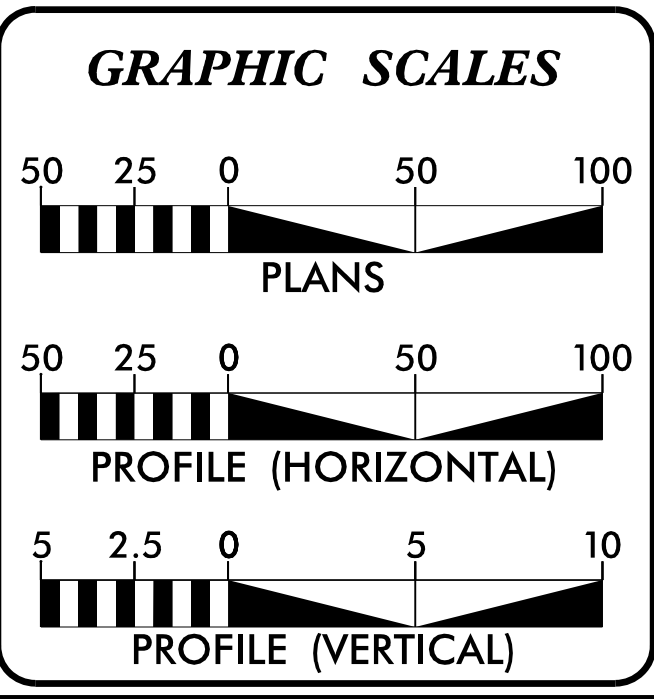
**BEGIN TIP PROJECT I-5878
-L- POT STA. 946 + 00.00**



**END TIP PROJECT I-5878
-L- POT STA. 1063 + 00.00**

*THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
A PORTION OF THIS PROJECT IS WITHIN DUNN MUNICIPAL BOUNDARIES*

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



INDEX OF SHEETS

| SHEET NO.: | DESCRIPTION: |
|------------------|-----------------------------|
| UC-1 | TITLE SHEET |
| UC-2 | UTILITY SYMBOLOGY |
| UC-3 | NOTES |
| UC-3A THRU UC-3C | DETAILS |
| UC-4A THRU UC-16 | UTILITY CONSTRUCTION SHEETS |
| UC-17 THRU UC-30 | PROFILE SHEETS |

WATER AND SEWER OWNERS ON PROJECT

A) WATER - HARNETT REGIONAL WATER
B) WATER - CITY OF DUNN
C) SEWER - CITY OF DUNN

PREPARED IN THE OFFICE OF:
DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS **dmp**

6415 OLD PLANK RD, HIGH POINT, NC 27265
PHONE: (336)896-4821 FAX: (336)896-4458
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Randy McNeill, P.E. CONSULTANT CONTACT #1
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Ralph Lowe CONSULTANT CONTACT #4

SEAL

**DIVISION OF HIGHWAYS
DIVISION 6**
PO BOX 1150
FAYETTEVILLE, NC 28302
PHONE (910) 364-0600
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Steve Kendall, P.E. NCDOT DIVISION 6 PROJECT DEVELOPMENT ENGINEER
Rick Handlin NCDOT DIVISION 6 UTILITY ENGINEER

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

| | |
|---------------------------------|--|
| Water Line (Sized as Shown) | |
| 11 1/4 Degree Bend | |
| 22 1/2 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 | | *Underground Power Line | |
| Telephone Pole | | *Underground Telephone Cable | |
| Joint Use Pole | | *Underground Telephone Conduit | |
| Utility Pole | | *Underground Fiber Optics Telephone Cable | |
| Utility Pole with Base | | *Underground TV Cable | |
| H-Frame Pole | | *Underground Fiber Optics TV Cable | |
| Power Transmission Line Tower | | *Underground Gas Pipeline | |
| Water Manhole | | Aboveground Gas Pipeline | |
| Power Manhole | | *Underground Water Line | |
| Telephone Manhole | | Aboveground Water Line | |
| Sanitary Sewer Manhole | | *Underground Gravity Sanitary Sewer Line | |
| Hand Hole for Cable | | Aboveground Gravity Sanitary Sewer Line | |
| Power Transformer | | *Underground SS Forced Main Line | |
| Telephone Pedestal | | Underground Unknown Utility Line | |
| CATV Pedestal | | SUE Test Hole | |
| Gas Valve | | Water Meter | |
| Gas Meter | | Water Valve | |
| Located Miscellaneous Utility Object | | Fire Hydrant | |
| Abandoned According to Utility Records | | Sanitary Sewer Cleanout | |
| End of Information | | | |

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

5/14/99
REV: 2/1/2012

5/14/2021

UTILITY CONSTRUCTION

| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-3 |
| 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 | |

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 2018.
2. THE EXISTING UTILITIES BELONG TO EITHER THE CITY OF DUNN OR HARNETT REGIONAL WATER (HRW). PW700 ON SHEETS UC-7C AND UC-14 BELONGS TO HRW. ALL OTHER WATER AND SEWER LINES BELONG TO THE CITY OF DUNN.
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 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. 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 VAVLES 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.
9. ALL UTILITY MATERIALS SHALL BE APPROVED BY HRW OR THE CITY OF DUNN AND NCDOT 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, FOR PROPOSED WATER MAINS AND SEWER MAINS 4" THRU 12" DIAMETER, PIPE SHALL BE PVC C900, DR 18, DUCTILE IRON, PC 350, OR RESTRAINED JOINT WHERE INDICATED ON PROFILES. SEWER MAINS 16" AND LARGER SHALL BE DUCTILE IRON, PC 250, RESTRAINED JOINT, OR FPVC WHERE INDICATED ON PROFILES. HRW DOES NOT APPROVE EBAA IRON "MEGALUG" TYPE RESTRAINED RETAINER GLANDS. HRW PREFERENCES ROMAC "GRIP RINGS" OR APPROVED EQUAL. WATER SERVICE LINES SHALL BE PE, SDR 9.
2. FUSIBLE PVC SHALL BE EXTRUDED WITH PLAIN ENDS. THE ENDS SHALL BE SQUARE TO THE PIPE AND FREE OF ANY BEVEL OR CHAMFER. THERE WILL BE NO BELL OR GASKET OF ANY KIND INCORPORATED INTO THE PIPE. THE PIPE SHALL BE MANUFACTURED IN STANDARD 40' NOMINAL LENGTHS OR CUSTOM LENGTHS AS SPECIFIED, AND SHALL BE COLORED BLUE FOR WATER AND GREEN FOR SEWER. FUSIBLE PVC SHALL BE BUTT-FUSED BY QUALIFIED, CERTIFIED, AND LICENSED TECHNICIANS. A DATA LOGGER SHALL BE AFFIXED TO THE FUSION MACHINE AND ALL PRESSURE/TIME DATA COLLECTED FOR USE BY THE ENGINEER. THE FUSIBLE PVC WILL BE INSTALLED IN A MANNER SO AS TO NOT EXCEED THE RECOMMENDED BENDING RADIUS AS SHOWN ON THE PLANS, AND THE RECOMMENDED SAFE PULLING FORCE ESTABLISHED BY THE PIPE MANUFACTURER SHALL NOT BE EXCEEDED. CONNECTIONS TO OTHER MATERIALS SHALL BE AS SHOWN ON THE PLANS. PVC PIPE ENDS SHALL NOT BE BENT INTO POSITION WITH HEAVY EQUIPMENT BUT INSTEAD SHALL BE ACCOMPLISHED WITH FUSIBLE FITTINGS.
3. DUCTILE IRON PIPE WITH FLUOROELASTOMER OR NITRILE GASKETS AND POLYWRAP SHALL BE INSTALLED IN ALL AREAS WITH HAZARDOUS SOILS AS SHOWN ON PLAN PROFILES. ALL UNSUITABLE SOIL SHALL BE REMOVED AND DISPOSED OF.
4. DUCTILE IRON PIPE FOR SEWER LINES SHALL BE INTERIOR LINED WITH CERAMIC EPOXY LINING.
5. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509, RATED FOR 200 PSI MINIMUM WORKING PRESSURE. HRW VALVES SHALL BE MUELLER, FLOW CONTROL, WATEROUS, M&H, KENNEDY, OR APPROVED EQUAL. DUNN VALVES SHALL BE CLOW, KENNEDY, MUELLER, OR APPROVED EQUAL.
6. FIRE HYDRANTS SHALL MEET NCDOT STANDARD SPECS. HRW HYDRANTS SHALL BE MUELLER A-423, AMERICAN DARLING MARK B-84-B, WATEROUS PACER B-67-250, OR APPROVED EQUAL. DUNN HYDRANTS SHALL BE MUELLER CENTURION (A-421) OR APPROVED EQUAL.

7. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.
8. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER CONCERNING THE TIMING AND SCHEDULE OF REQUIRED SHUT-DOWNS OF ANY EXISTING WATER OR SEWER MAINS. THE CONTRACTOR MAY HAVE TO PROVIDE TEMPORARY WATER SERVICE TO CUSTOMERS WHEN EXISTING WATER MAINS HAVE TO BE SHUT DOWN FOR AN EXTENDED PERIOD OF TIME.
9. ALL ITEMS ON THIS SHEET SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

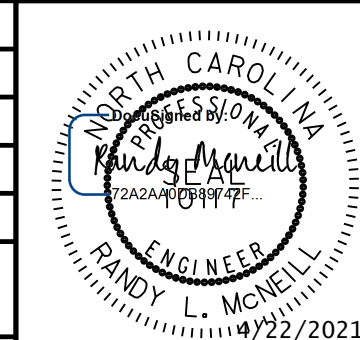
LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT
- 1520.01 SEWER CLEAN OUT
- 1525.06 PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

REVISIONS

5/14/20

PROJECT TYPICAL DETAILS

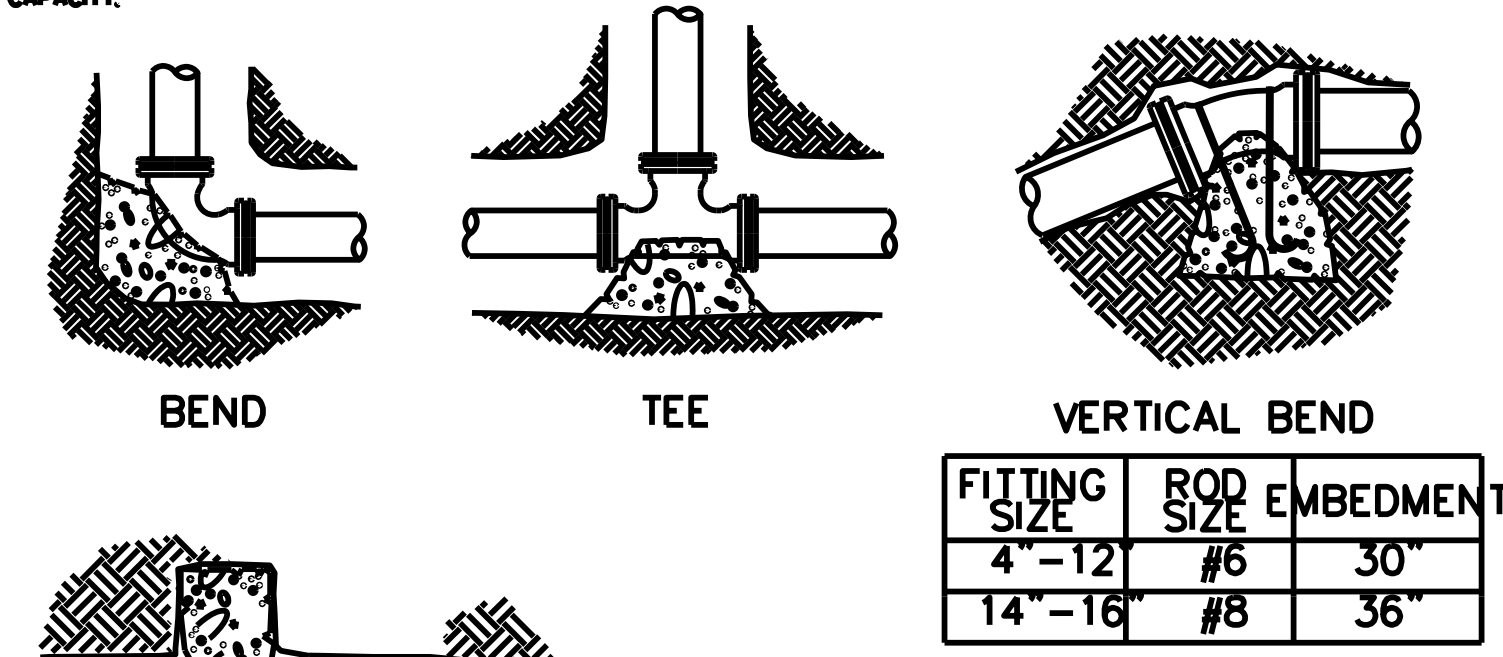
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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-3A |
| DESIGNED BY: DMP |  |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | UTILITY CONSTRUCTION PLANS ONLY |

UTILITY CONSTRUCTION

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| FITTING SIZE | (HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQ. FT. | | | | | VOLUME OF THRUST BLOCK IN CU. YDS. (VERTICAL) | | | |
|--------------|---|----------|----------|--------------|--------------|---|------------|-------|--------|
| | TEE | 90° BEND | 45° BEND | 22 1/2° BEND | 11 1/4° BEND | FITTING SIZE | BEND ANGLE | | |
| | | | | | | | 45° | 22.5° | 11.25° |
| 4 | 1.3 | 1.8 | 1.0 | 1.0 | 1.0 | 4 | 1.1 | 0.4 | 0.2 |
| 6 | 2.8 | 4.0 | 2.2 | 1.1 | 1.0 | 6 | 2.7 | 1.0 | 0.4 |
| 8 | 5.0 | 7.1 | 3.8 | 2.0 | 1.0 | 8 | 4.0 | 1.5 | 0.6 |
| 12 | 11.3 | 16.0 | 8.7 | 4.4 | 2.2 | 12 | 8.5 | 3.2 | 1.3 |
| 16 | 20.1 | 28.4 | 15.4 | 7.8 | 3.9 | 16 | 14.8 | 5.6 | 2.3 |
| 20 | 31.1 | 44.4 | 24.0 | 12.3 | 6.2 | | | | |
| 24 | 45.2 | 64.0 | 34.6 | 17.7 | 8.9 | | | | |

VALUES BASED ON 200 PSI WATER PRESSURE AND 2000 PSF SOL. BEARING CAPACITY.

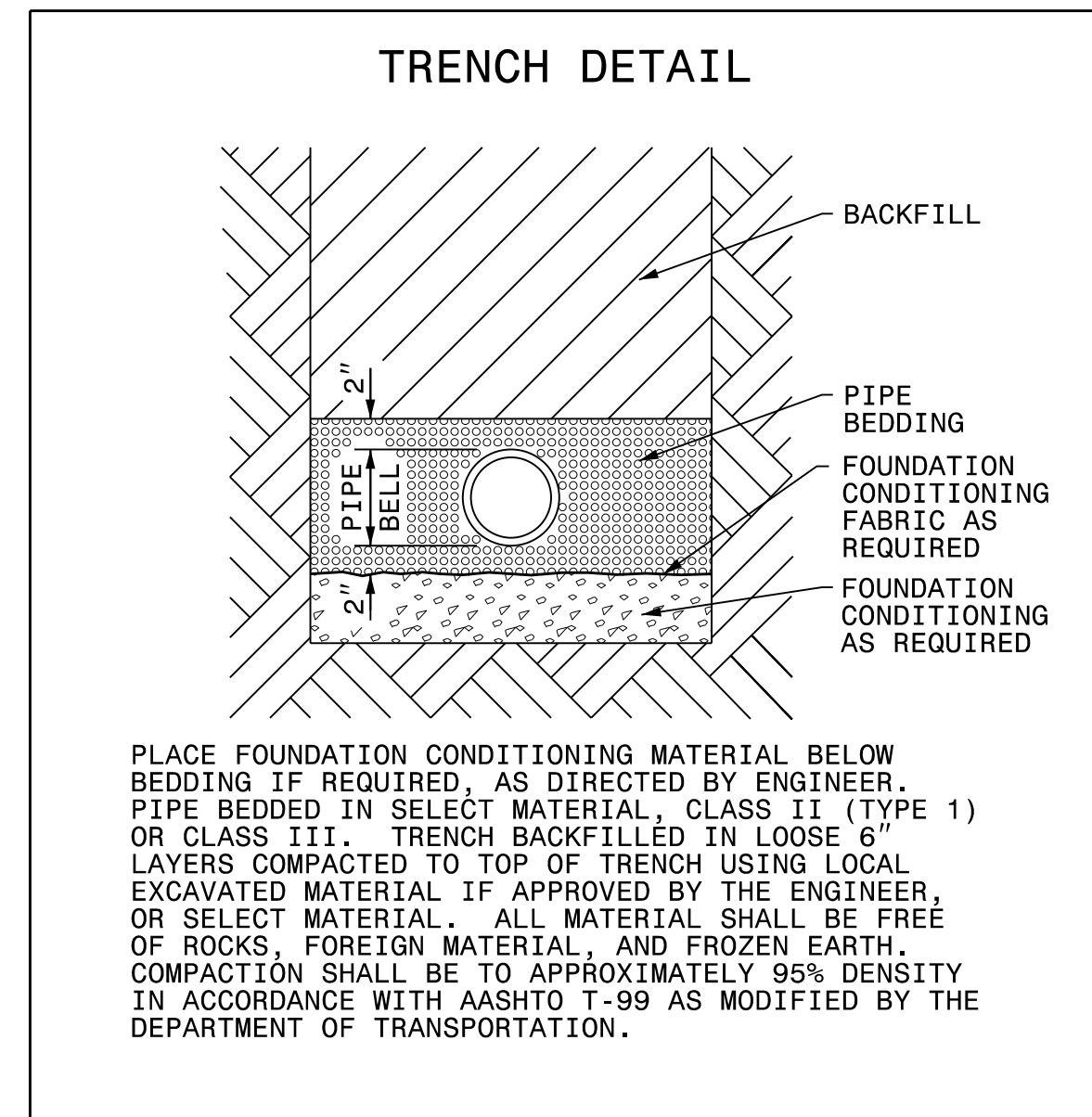


- NOTES:
- 1) CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH
 - 2) ALL CONCRETE TO BE CLASS 3000
 - 3) INSTALL 12 MIL TOTAL THICKNESS POLYETHENE SHEET AROUND FITTING. SECURE SHEET ENDS TO PREVENT INFILTRATION OF DIRTY BETWEEN SHEET AND PIPE FITTING PRIOR TO POURING THRUST BLOCKING
 - 4) PROTECT MECHANICAL JOINT FOLLOWERS AND BOLTS FROM CONCRETE WITH TEMPORARY FORMS AND POLYETHENE SHEETING SEE NOTE No. 3

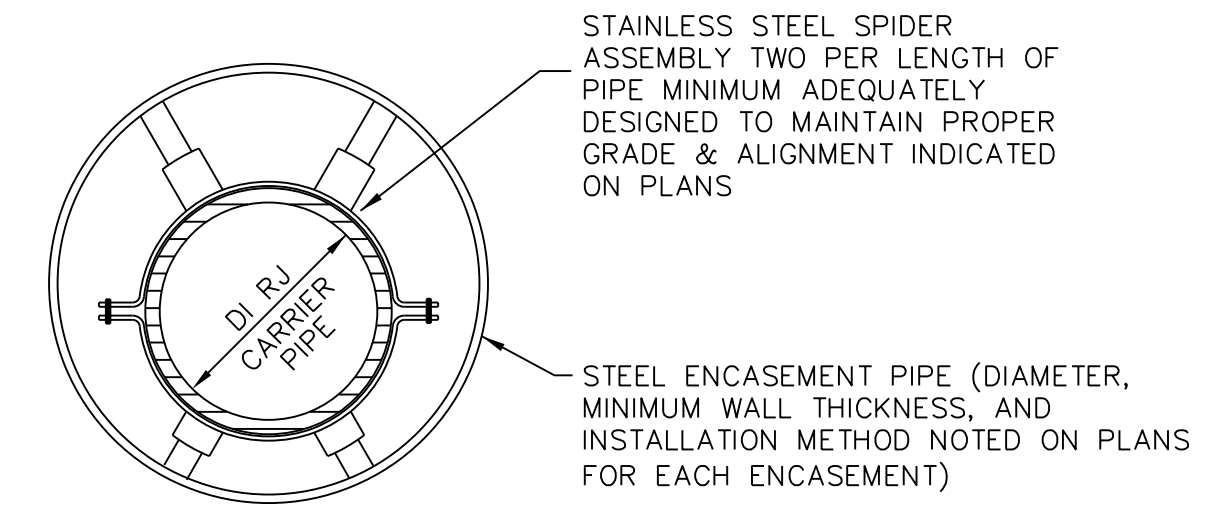
STRADDLE BLOCK SEE DETAIL No. 200

THRUST BLOCKING DETAILS

N.T.S.



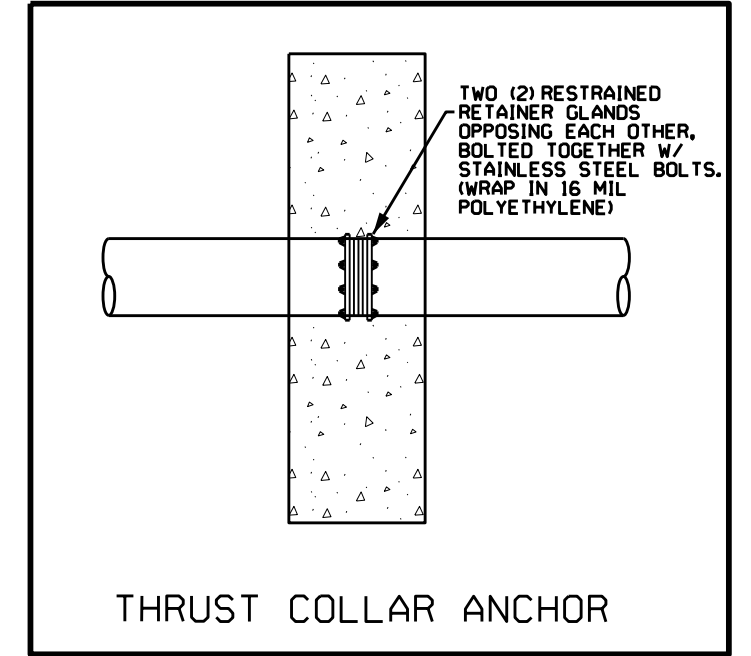
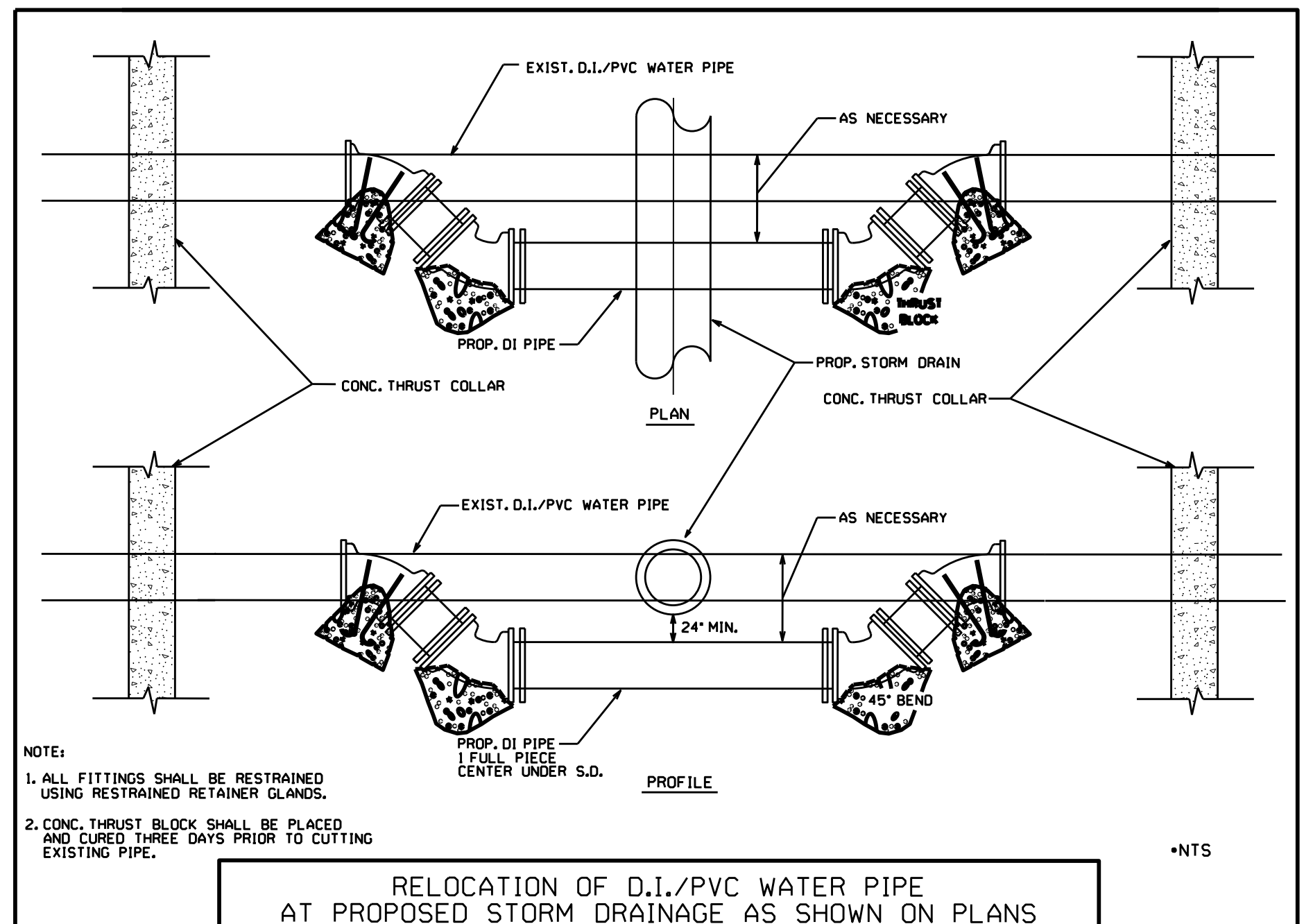
| MAXIMUM TRENCH WIDTH AT TOP OF PIPE | | | |
|-------------------------------------|-----------------------|----------------------------|-----------------------|
| NOMINAL PIPE SIZE (INCHES) | TRENCH WIDTH (INCHES) | NOMINAL PIPE SIZE (INCHES) | TRENCH WIDTH (INCHES) |
| 4 | 28 | 20 | 44 |
| 6 | 30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



- NOTES:
1. ENCLOSE ENDS WITH BRICK MASONRY.
 2. PROVIDE 1" WEEP HOLE AT LOW END OF ENCASUREMENT.
 3. DO NOT FILL ENCASUREMENTS SMALLER THAN 24". FOR ENCASUREMENTS 24" AND LARGER, FILL ONLY WITH CLASS III, IV, OR V SELECT MATERIALS.

TYPICAL ENCASUREMENT PIPE SECTION

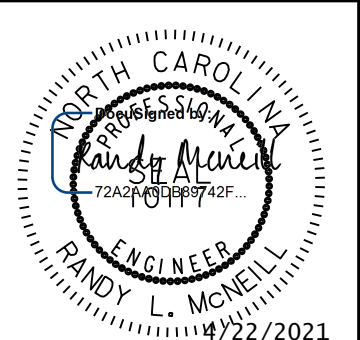
N.T.S.



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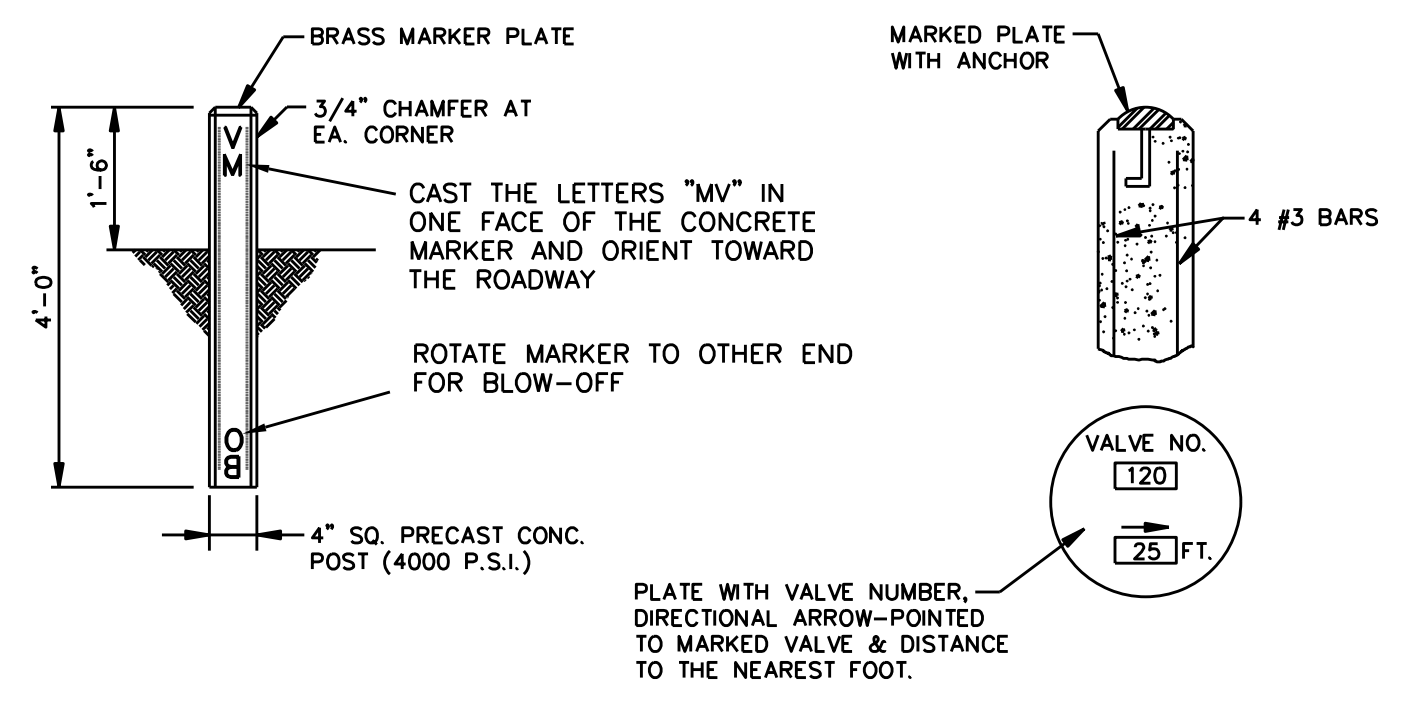
PROJECT TYPICAL DETAILS

DETAILS ON THIS SHEET ARE FOR HARNETT REGIONAL WATER

| | |
|--|--|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | 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 | |

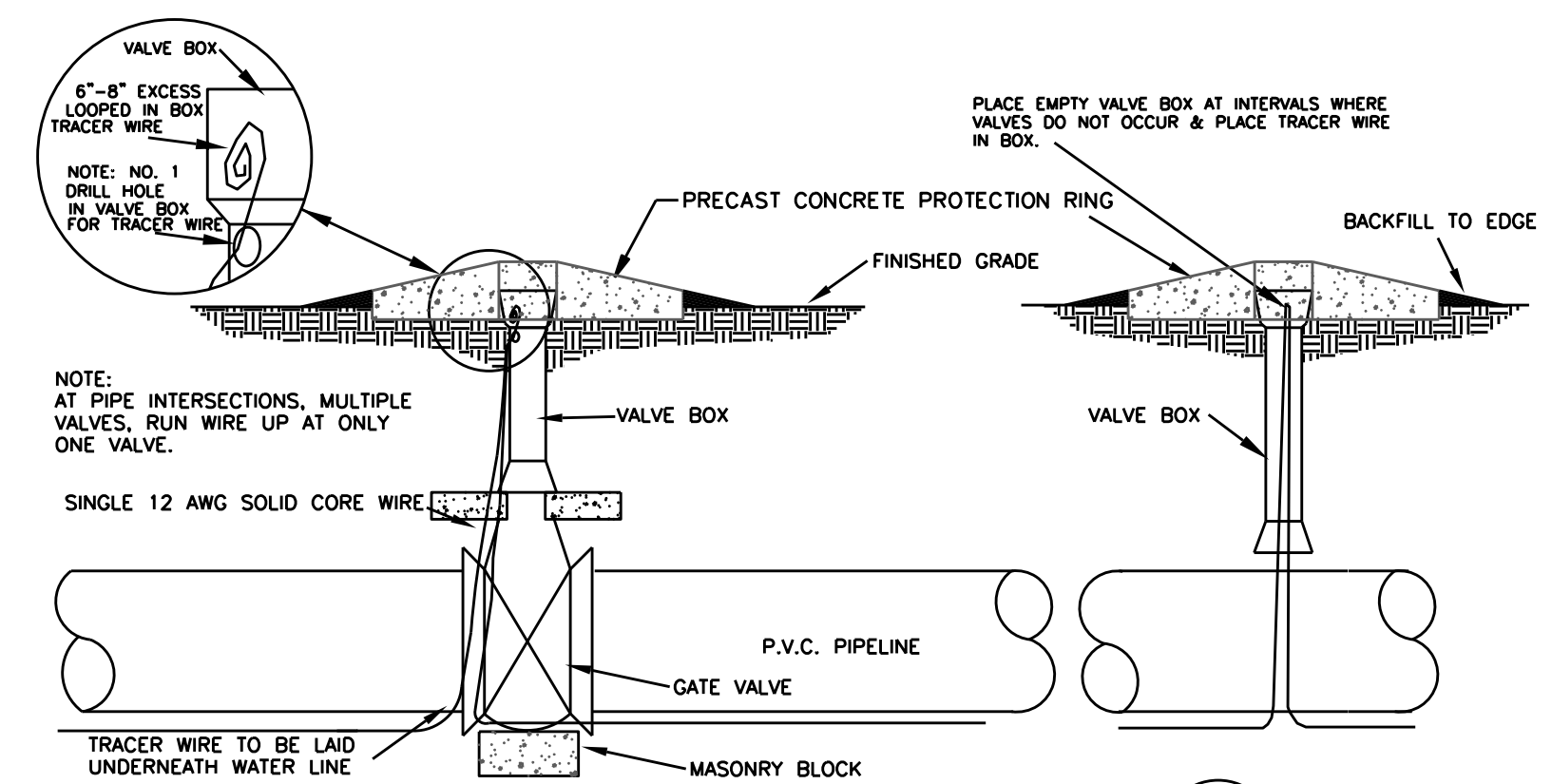
UTILITY CONSTRUCTION

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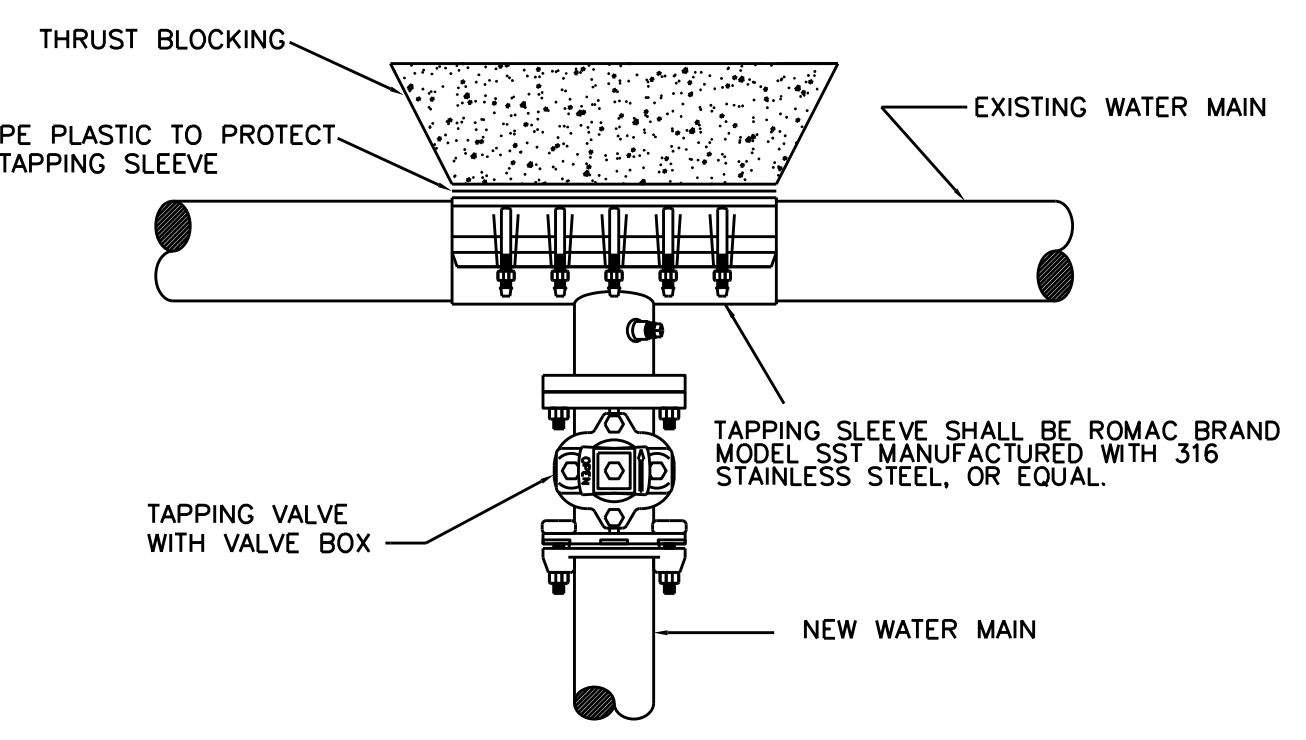
TYPICAL VALVE MARKER DETAIL W 1

NOTES:
PAINT MARKER BLUE AFTER INSTALLATION



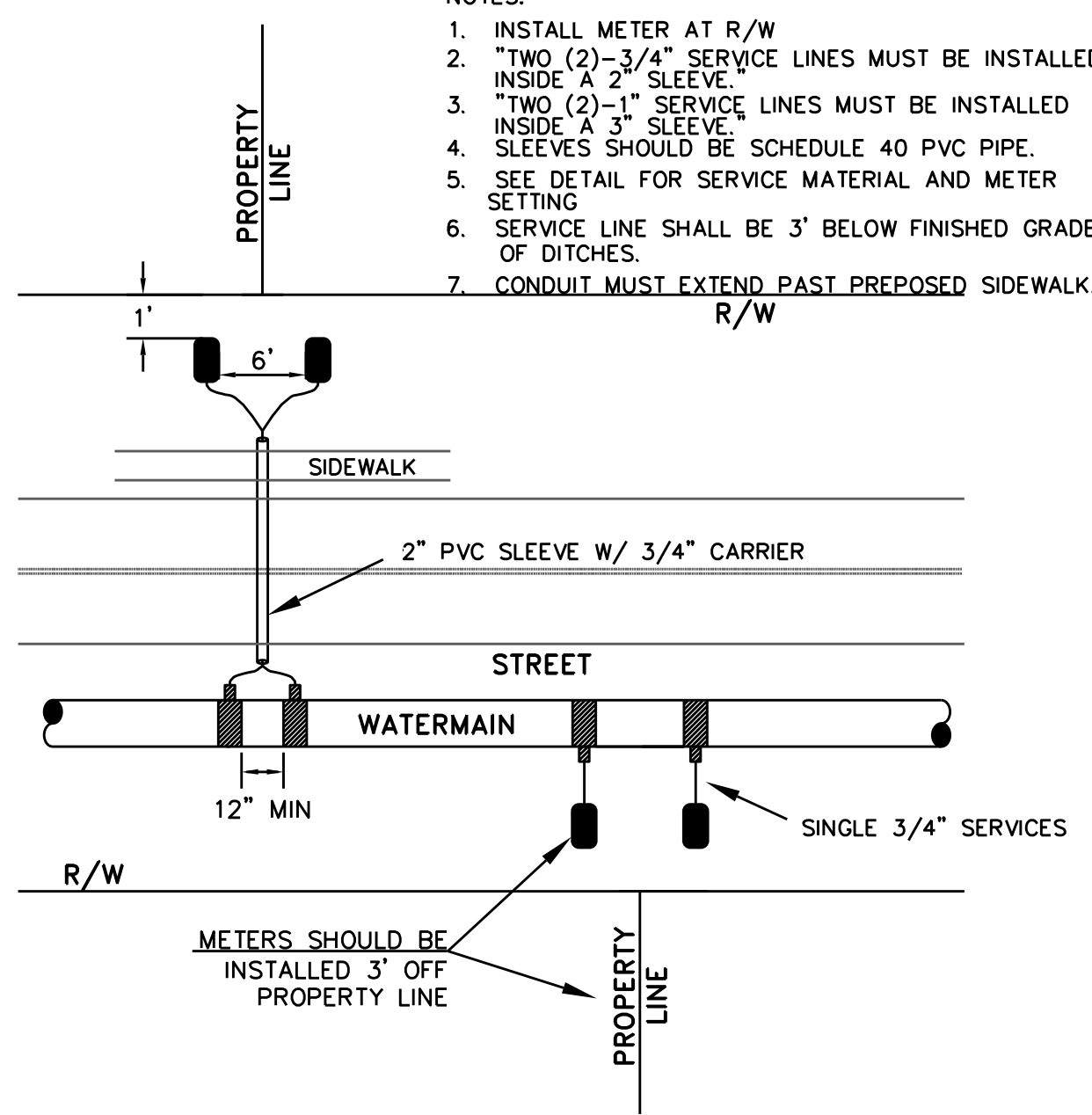
TYPICAL TRACER WIRE INSTALLATION DETAIL W 3

NOTES:
1. DRILL HOLE IN VALVE BOX TO INSERT TRACER WIRE, BRING UP TO INSIDE AND ROLL UP AT LEAST 6'-8" EXCESS
2. PLACE TRACER WIRE IN VALVE BOX AT 1,000" INTERVALS OR AS NOTED ON THE PLANS, TYPICAL.
3. DO NOT SPLICE WIRE WHEN BEGINNING A NEW SPOOL. INSTEAD INSTALL A VALVE BOX AND ATTACH EACH WIRE WITH A BRASS SCREW TO THE VALVE BOX.

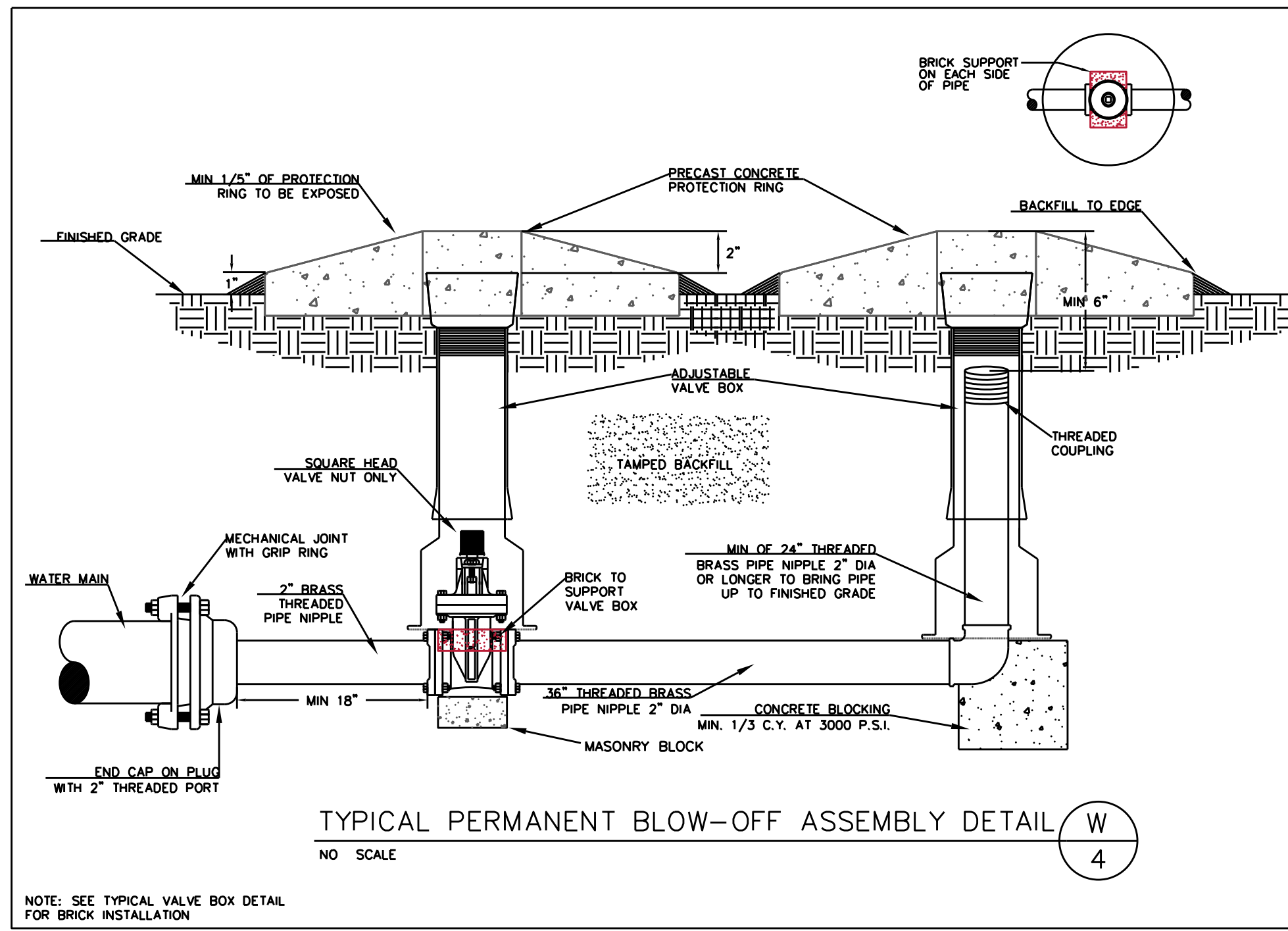


TYPICAL TAPPING SLEEVE AND VALVE ASSEMBLY DETAIL W 5

NOTES:
1. INSTALL METER AT R/W
2. TWO (2)-3/4" SERVICE LINES MUST BE INSTALLED INSIDE A 2" SLEEVE.
3. TWO (2)-1" SERVICE LINES MUST BE INSTALLED INSIDE A 3" SLEEVE.
4. SLEEVES SHOULD BE SCHEDULE 40 PVC PIPE.
5. SEE DETAIL FOR SERVICE MATERIAL AND METER SETTING
6. SERVICE LINE SHALL BE 3' BELOW FINISHED GRADE OF DITCHES.
7. CONDUIT MUST EXTEND PAST PREPOSED SIDEWALK R/W

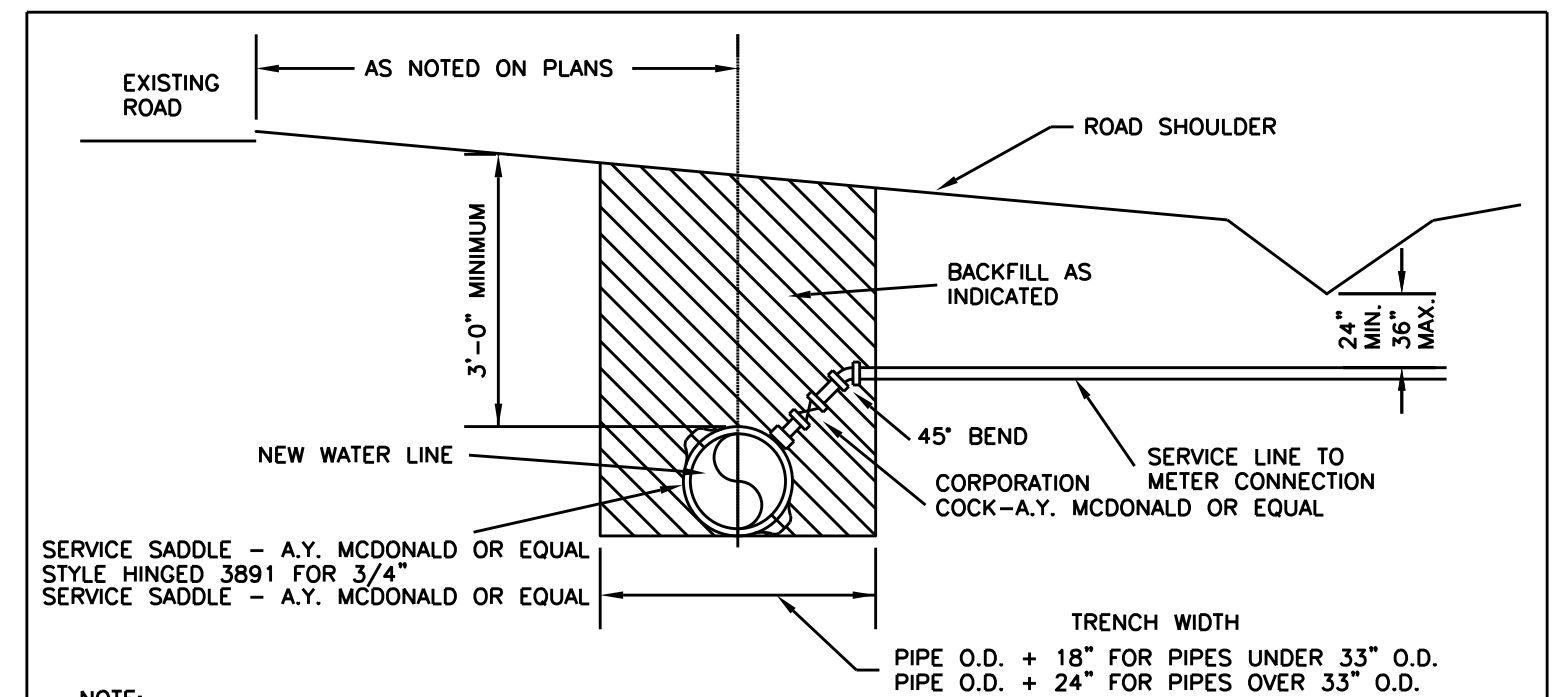


TYPICAL DOMESTIC WATER SERVICE INSTALLATION DETAIL W 12



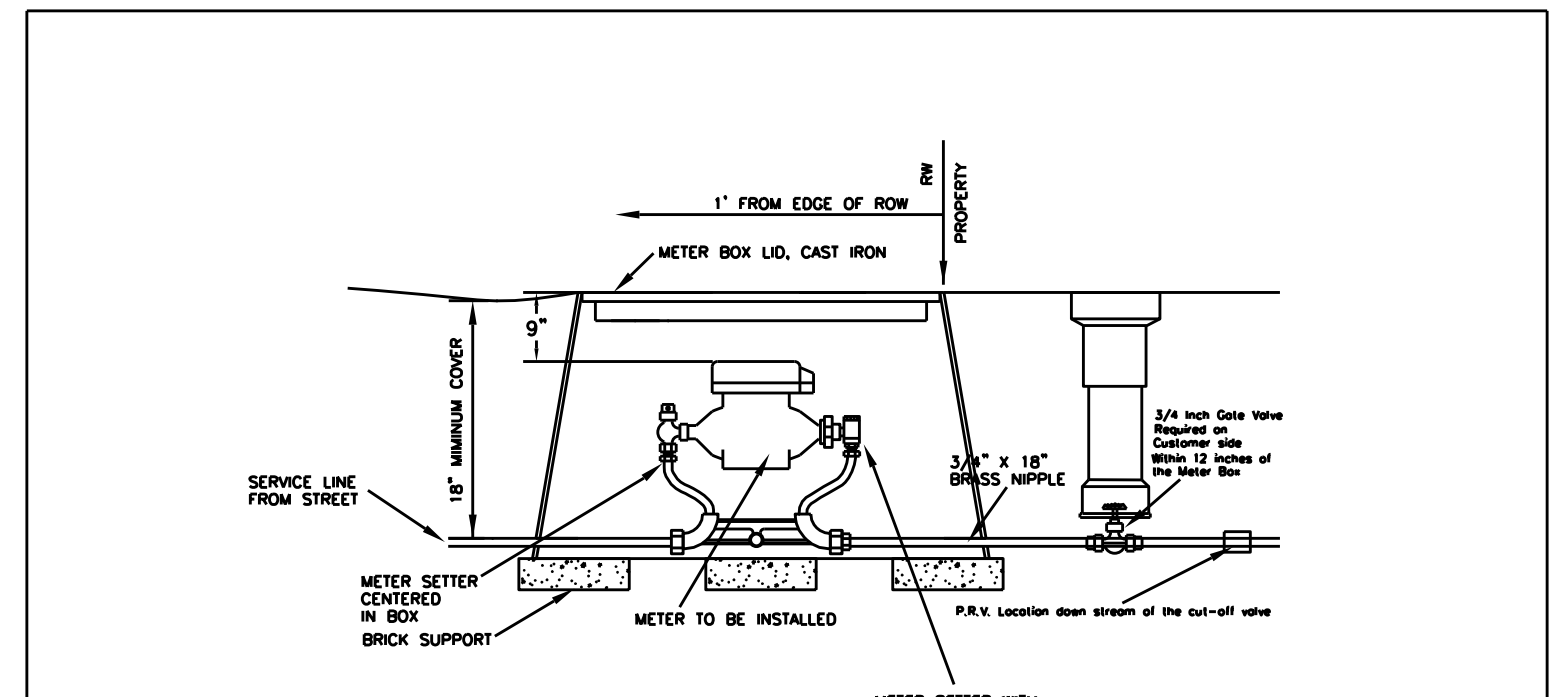
TYPICAL PERMANENT BLOW-OFF ASSEMBLY DETAIL W 4

NOTE: SEE TYPICAL VALVE BOX DETAIL FOR BRICK INSTALLATION



TYPICAL WATER SERVICE CONNECTION USING TAPPING SADDLE DETAIL W 13

NOTES:
1. "SERVICE CONNECTION" IN PROPOSAL TO INCLUDE SERVICE SADDLE, 45° BEND, CORPORATION COCK AND ALL LABOR INVOLVED IN MAKING A COMPLETE SERVICE CONNECTION.
2. SERVICE PIPING TO BE 3/4" SDR-9 PE TUBING
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE



TYPICAL 3/4" METER SETTER INSTALLATION DETAIL W 14

NOTES:
1. METER AND PRIVATE SERVICE LINE NOT IN CONTRACT UNLESS SPECIFIED (BACKFLOW PREVENTER)
2. INCLUDE STONE IN PRICE OF METER BOX.
3. METER SETTER SIZE AS NOTED ON PLANS.
4. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE.

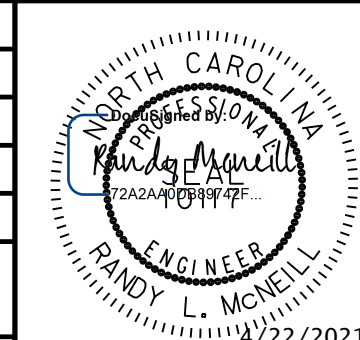
REVISIONS

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5/14/19

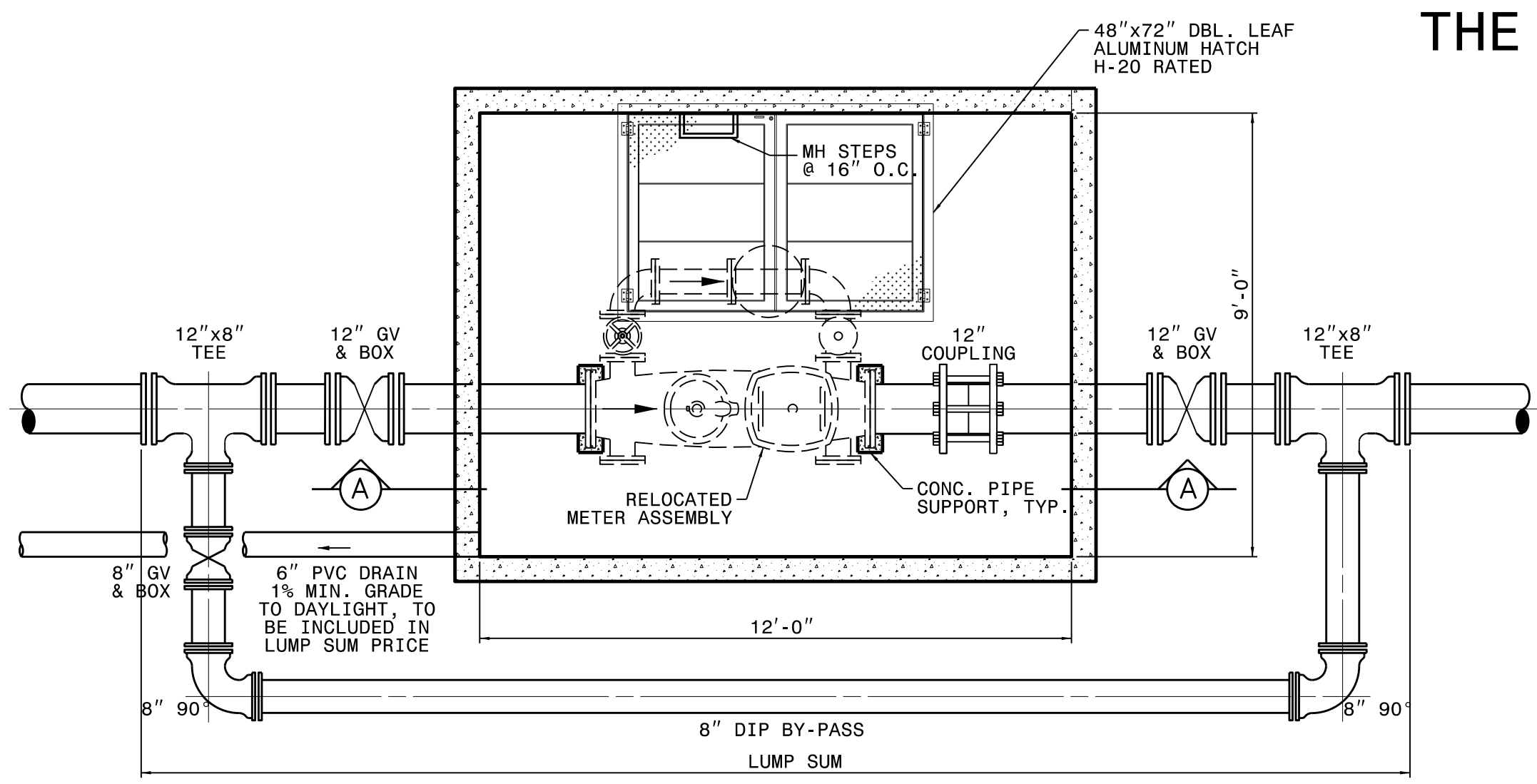
PROJECT TYPICAL DETAILS

DETAILS ON THIS SHEET ARE FOR THE CITY OF DUNN

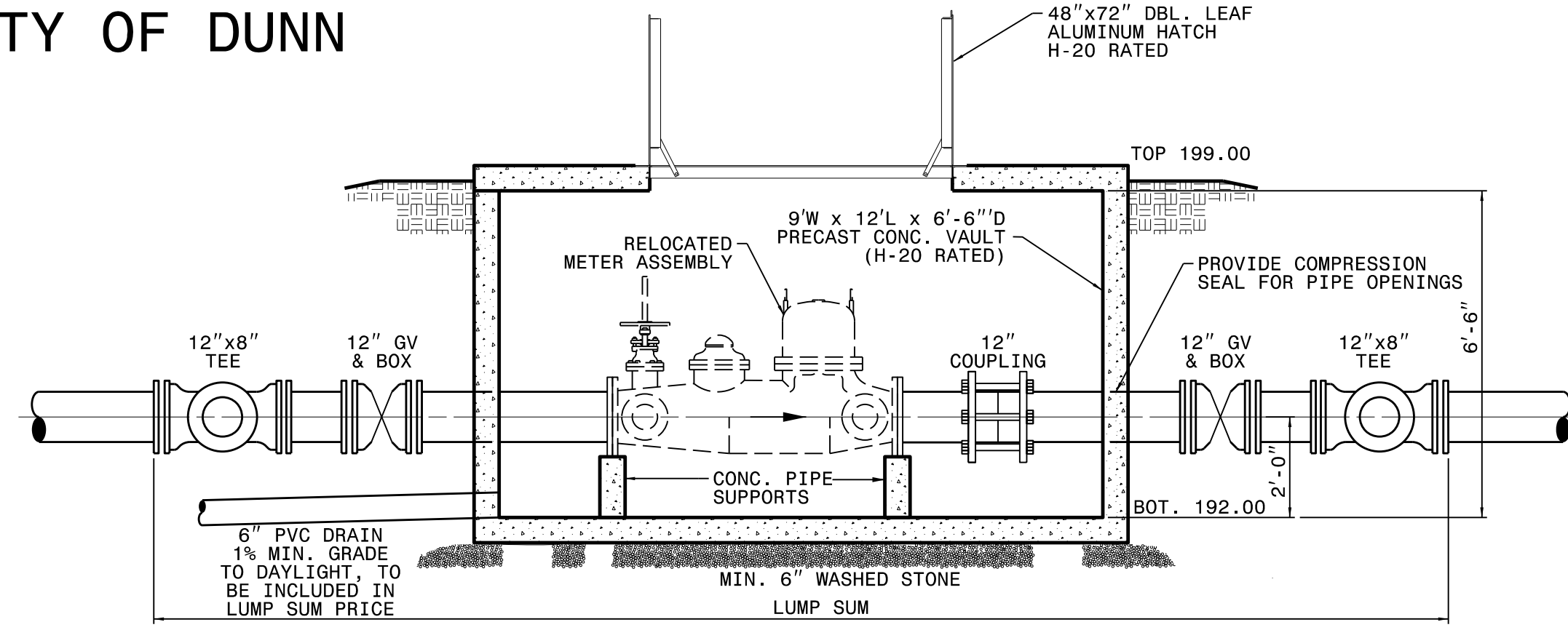
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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-3C |
| DESIGNED BY: DMP |  |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | UTILITY CONSTRUCTION PLANS ONLY |

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

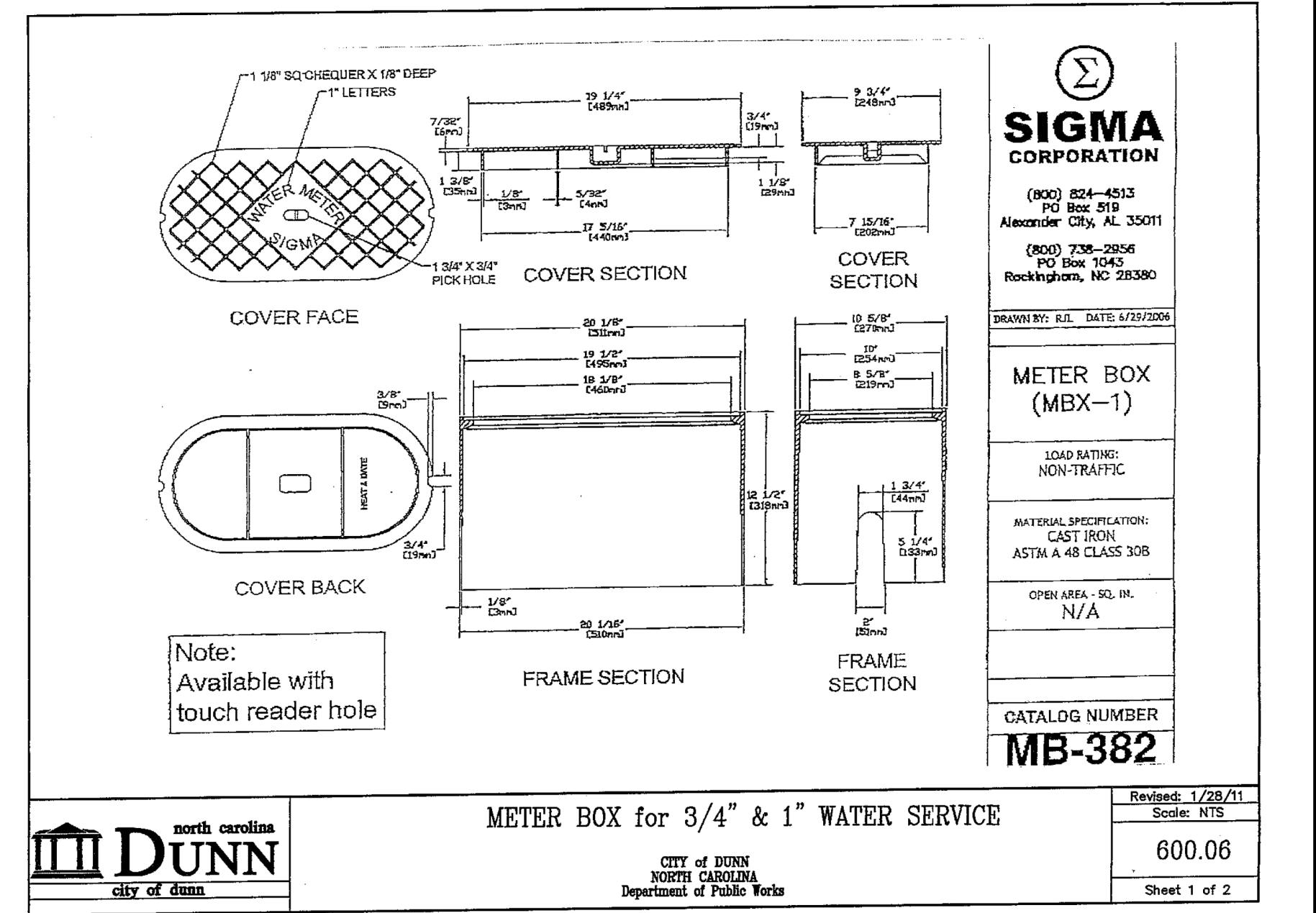


PI AN



SECTION A-A

MASTER METER VAULT (SEE SHEET UC-7C)



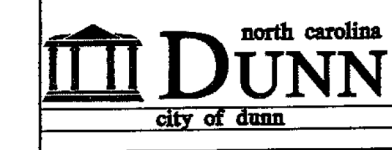
SIGMA CORPORATION
 (800) 824-4313
 PO Box 519
 Alexander City, AL 35011
 (800) 738-2856
 PO Box 1045
 Rockingham, NC 28380

DRAWN BY: R.L. DATE: 4/22/2008

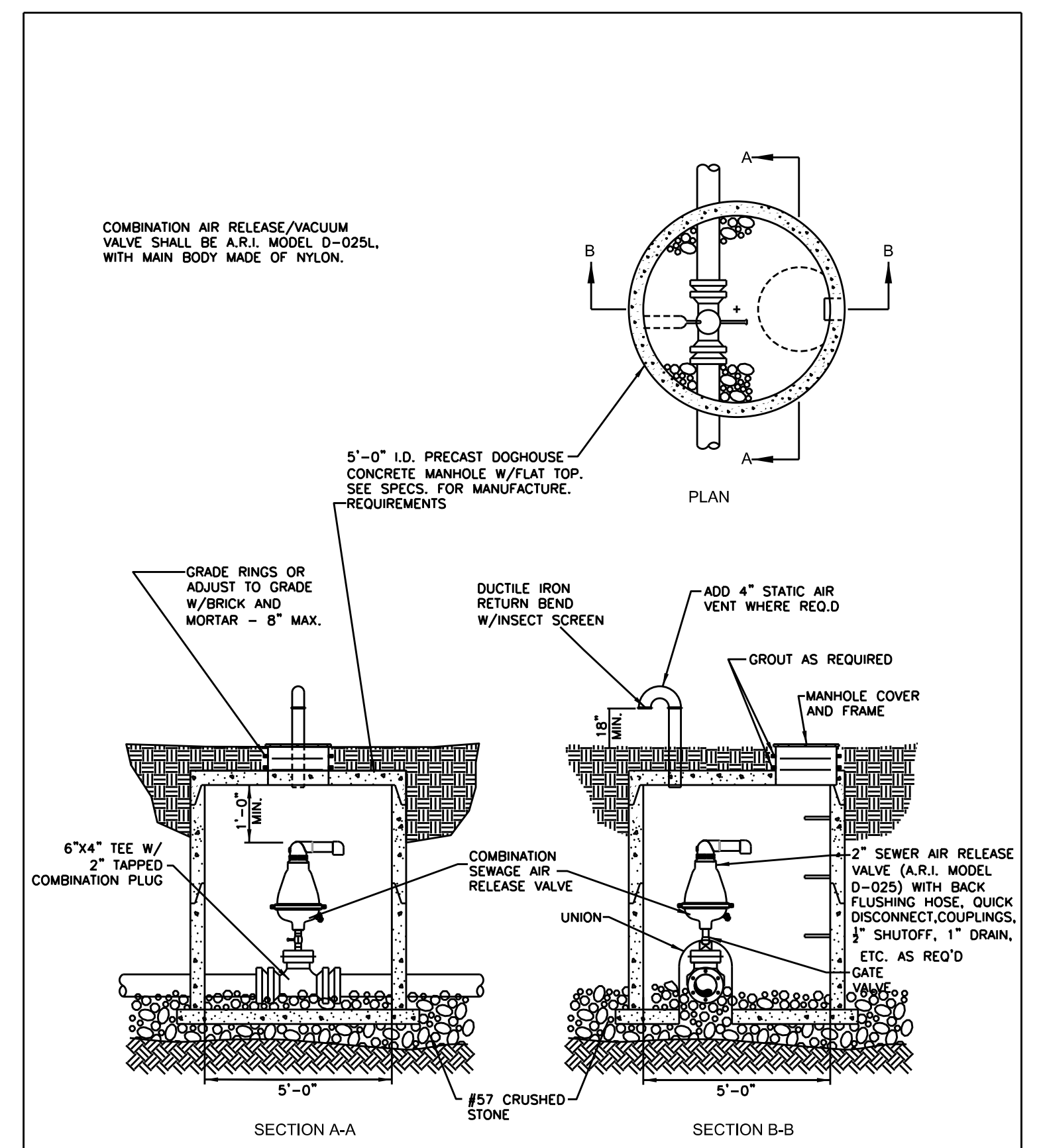
METER BOX (MBX-1)
 LOAD RATING:
 NON-TRAFFIC
 MATERIAL SPECIFICATION:
 CAST IRON
 ASTM A 48 CLASS 30B
 OPEN AREA - SQ. IN.
 N/A

CATALOG NUMBER
MB-382

Revised: 1/28/11
 Scale: N.T.S.
600.06
 Sheet 1 of 2

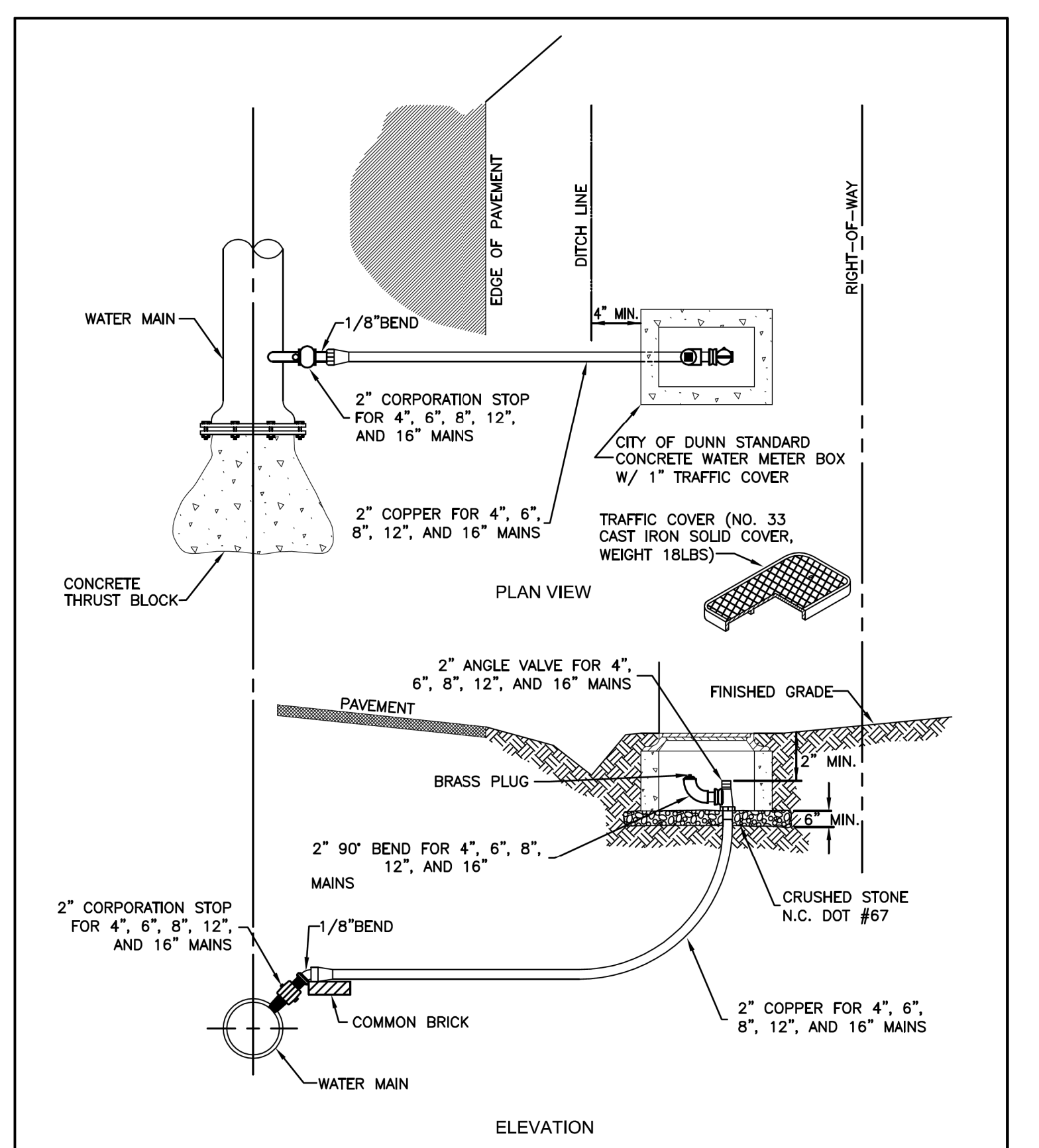
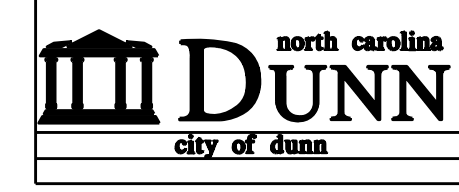


METER BOX for 3/4" & 1" WATER SERVICE
 CITY OF DUNN
 NORTH CAROLINA
 Department of Public Works



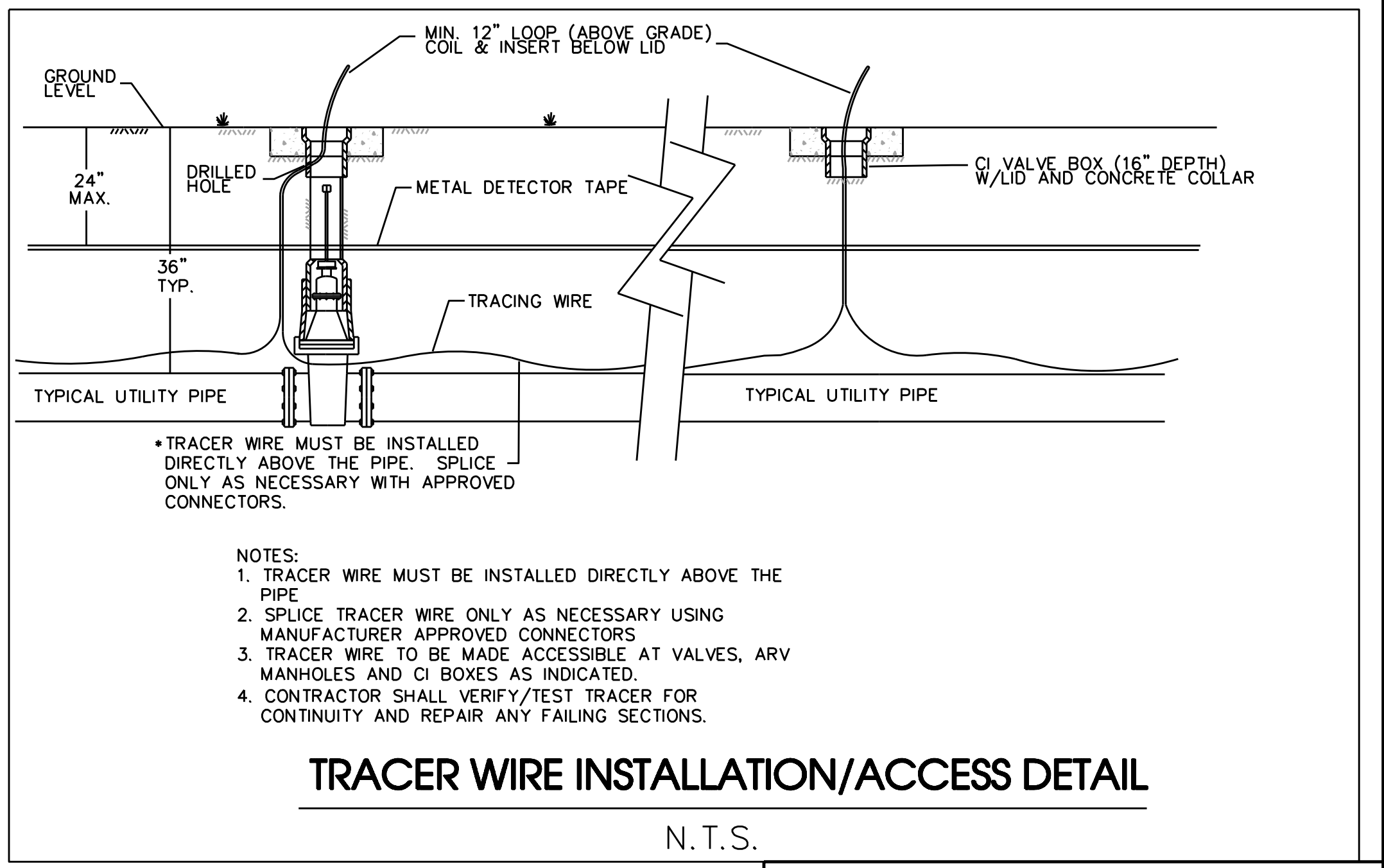
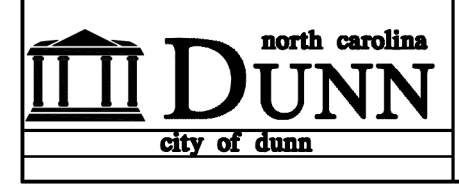
AIR RELEASE VALVE FOR SEWER FORCE MAINS
 CITY OF DUNN
 NORTH CAROLINA
 Department of Public Works

Revised: 1/25/19
 Scale: N.T.S.
700.12
 Sheet 1 of 1



BLOW-OFF ASSEMBLY
 CITY OF DUNN
 NORTH CAROLINA
 Department of Public Works

Revised: 1/28/11
 Scale: N.T.S.
600.01
 Sheet 1 of 1



- NOTES:
1. TRACER WIRE MUST BE INSTALLED DIRECTLY ABOVE THE PIPE
 2. SPLICE TRACER WIRE ONLY AS NECESSARY USING MANUFACTURER APPROVED CONNECTORS
 3. TRACER WIRE TO BE MADE ACCESSIBLE AT VALVES, ARV MANHOLES AND CI BOXES AS INDICATED.
 4. CONTRACTOR SHALL VERIFY/TEST TRACER FOR CONTINUITY AND REPAIR ANY FAILING SECTIONS.

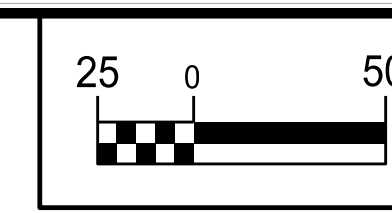
TRACER WIRE INSTALLATION/ACCESS DETAIL

N.T.S.

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

REVISIONS

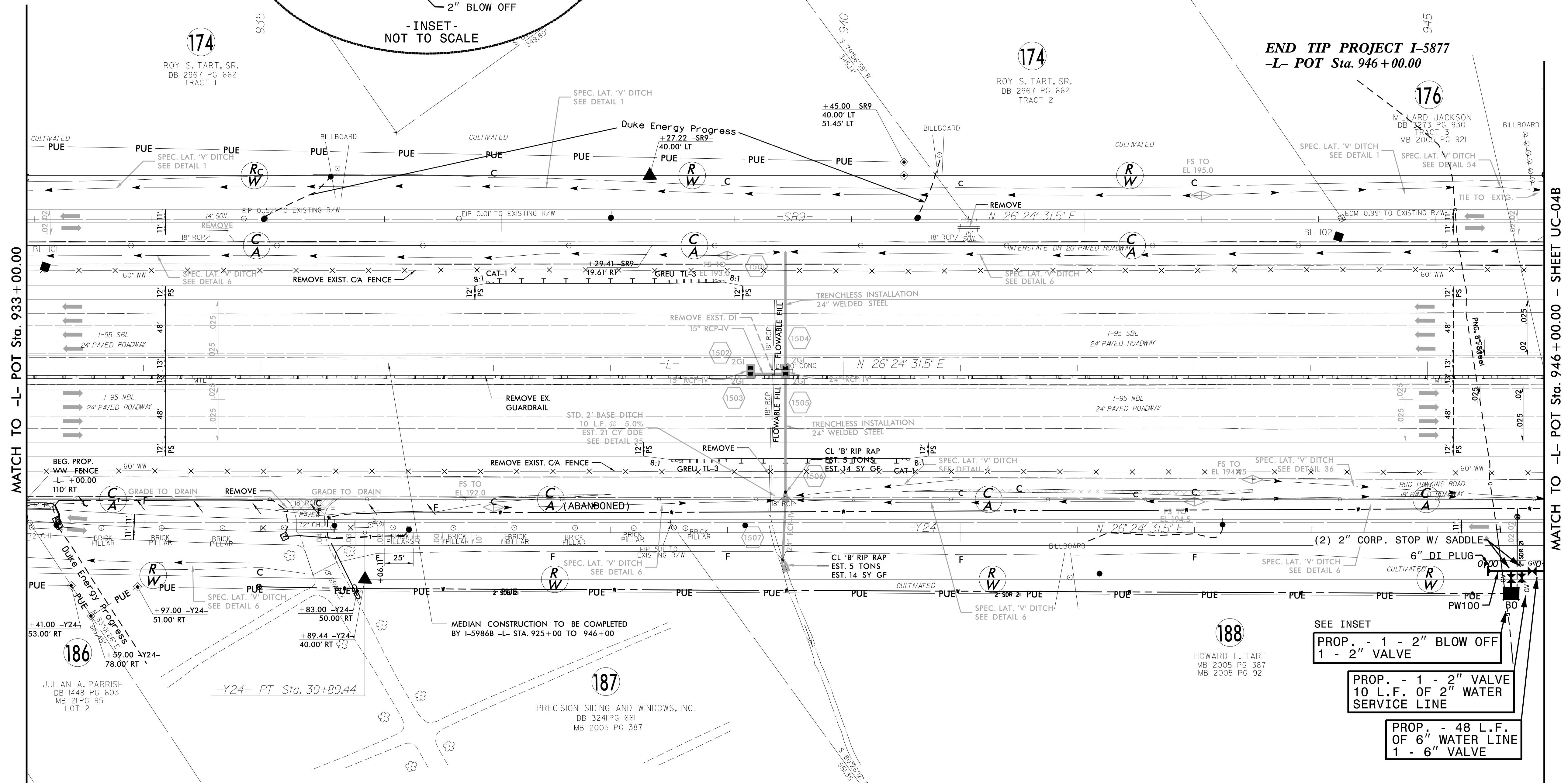
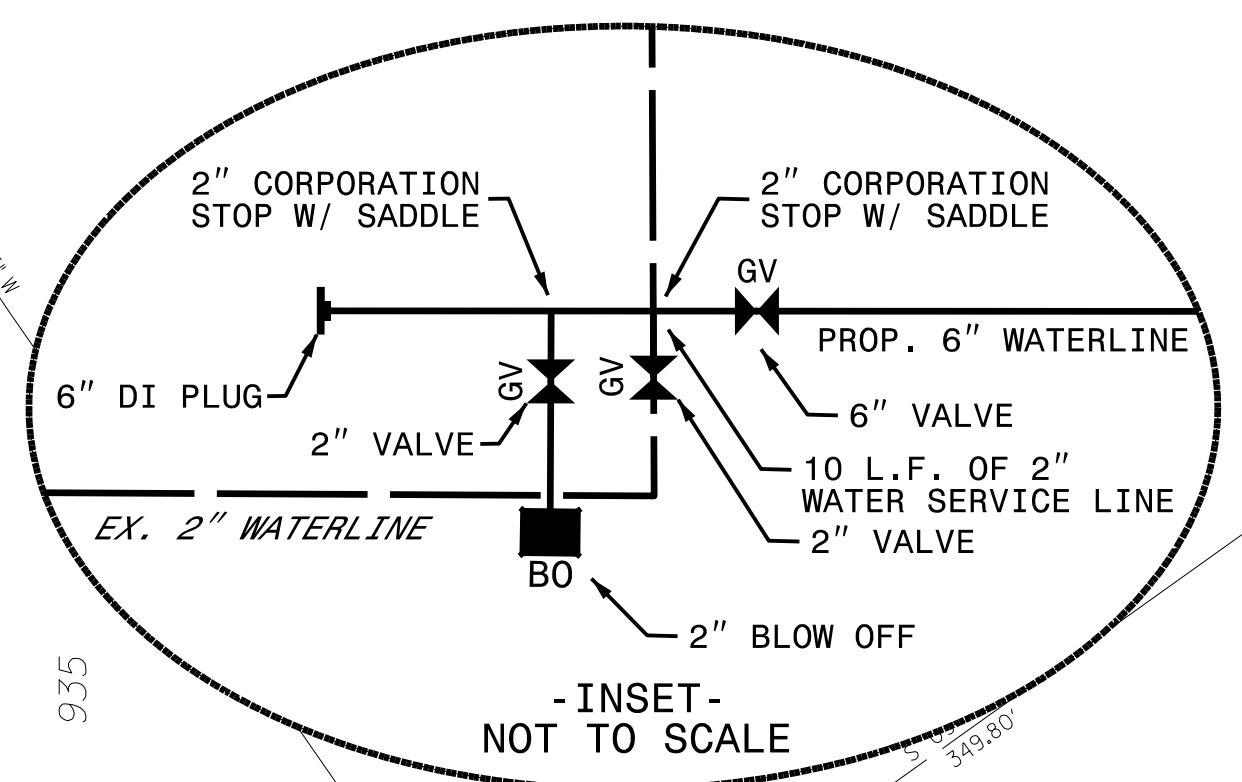
5/14/19
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| | |
|--|------------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-04A |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | UTILITY CONSTRUCTION PLANS ONLY |

UTILITY CONSTRUCTION
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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 25 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



REVISIONS

MATCH TO -L- POT Sta. 933+00.00

MATCH TO -L- POT Sta. 946+00.00 - SHEET UC-04B

186

JULIAN A. PARRISH
 DB 1443 PG 603
 MB 21 PG 95
 LOT 2

-Y24- PT Sta. 39+89.44

187

PRECISION SIDING AND WINDOWS, INC.
 DB 324 PG 661
 MB 2005 PG 387

188

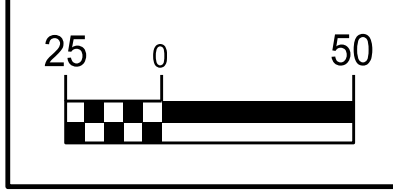
HOWARD L. TART
 MB 2005 PG 387
 MB 2005 PG 921

SEE INSET
 PROP. - 1 - 2" BLOW OFF
 1 - 2" VALVE

PROP. - 1 - 2" VALVE
 10 L.F. OF 2" WATER
 SERVICE LINE

PROP. - 48 L.F.
 OF 6" WATER LINE
 1 - 6" VALVE

-Y24-
 PI Sta 37+71.22
 $\Delta = 6' 06" 16.8" (LT)$
 $D = 1' 23' 50.8"$
 $L = 436.84'$
 $T = 218.63'$
 $R = 4,100.00'$
 $SE = 0.04$
 RUNOFF = SEE PLANS



| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-04B |
| DESIGNED BY: DMP | |
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UTILITY CONSTRUCTION

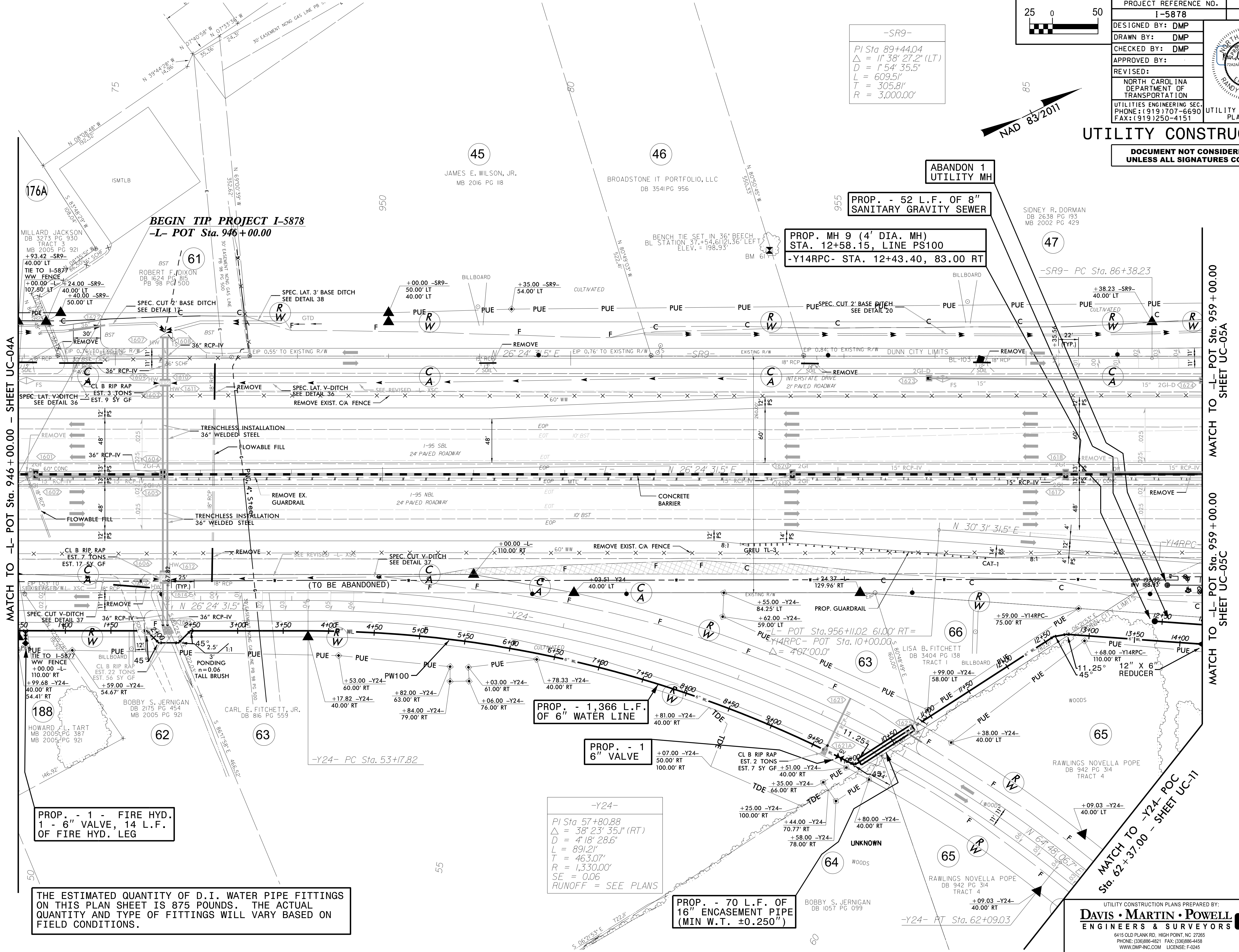
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR9-
 PI Sta 89+44.04
 $\Delta = 1^\circ 38' 27.2" (LT)$
 $D = 1^\circ 54' 35.5"$
 $L = 609.51'$
 $T = 305.81'$
 $R = 3,000.00'$

ABANDON 1 UTILITY MH

PROP. - 52 L.F. OF 8" SANITARY GRAVITY SEWER
 PROP. MH 9 (4' DIA. MH) STA. 12+58.15, LINE PS100 -Y14RPC- STA. 12+43.40, 83.00 RT

BEGIN TIP PROJECT I-5878
 -L- POT Sta. 946+00.00



MATCH TO -L- POT Sta. 946+00.00 - SHEET UC-04A

MATCH TO -L- POT Sta. 959+00.00 SHEET UC-05A

MATCH TO -L- POT Sta. 959+00.00 SHEET UC-05C

MATCH TO -Y24- POC Sta. 62+37.00 - SHEET UC-11

PROP. - 1 - FIRE HYD. 1 - 6" VALVE, 14 L.F. OF FIRE HYD. LEG

PROP. - 1,366 L.F. OF 6" WATER LINE

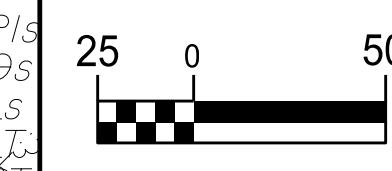
PROP. - 1 6" VALVE

-Y24-
 PI Sta 57+80.88
 $\Delta = 38^\circ 23' 35.1" (RT)$
 $D = 4^\circ 18' 28.6"$
 $L = 891.21'$
 $T = 463.07'$
 $R = 1,330.00'$
 $SE = 0.06$
 RUNOFF = SEE PLANS

PROP. - 70 L.F. OF 16" ENCASEMENT PIPE (MIN W.T. ±0.250")

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 875 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

5/14/20

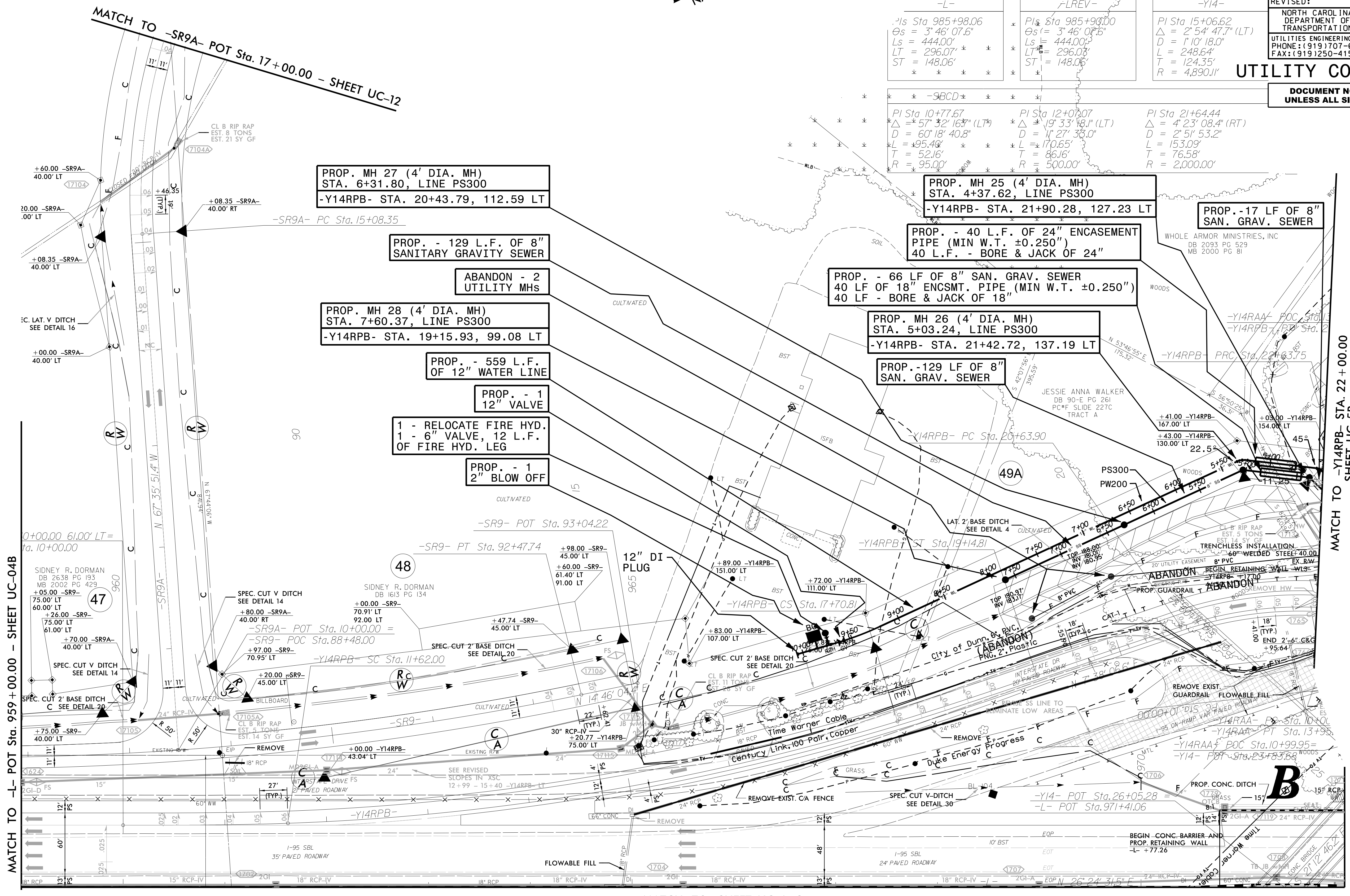


| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-5A |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

UTILITY CONSTRUCTION

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| | | | |
|---|--|---|--|
| PI Sta 14+68.16 $\Delta = 15^{\circ} 00' 11.4''$ (LT) $D = 2^{\circ} 27' 51.6''$ $L = 608.81'$ $T = 306.16'$ $R = 2,325.00'$ | PI Sta 985+98.06 $\Delta = 3^{\circ} 46' 07.6''$ $D = 444.00'$ $LT = 296.07'$ $ST = 148.06'$ | PI Sta 985+98.00 $\Delta = 3^{\circ} 46' 07.6''$ $D = 444.00'$ $LT = 296.07'$ $ST = 148.06'$ | PI Sta 15+06.62 $\Delta = 2^{\circ} 54' 47.7''$ (LT) $D = 1^{\circ} 10' 18.0''$ $L = 248.64'$ $T = 124.35'$ $R = 4,890.11'$ |
| PI Sta 10+77.67 $\Delta = 57^{\circ} 32' 16.3''$ (LT) $D = 60^{\circ} 18' 40.8''$ $L = 95.40'$ $T = 52.16'$ $R = 95.00'$ | PI Sta 12+07.07 $\Delta = 19^{\circ} 33' 48.1''$ (LT) $D = 1^{\circ} 27' 38.0''$ $L = 170.65'$ $T = 86.16'$ $R = 500.00'$ | PI Sta 21+64.44 $\Delta = 4^{\circ} 23' 08.4''$ (RT) $D = 2^{\circ} 51' 53.2''$ $L = 153.09'$ $T = 76.58'$ $R = 2,000.00'$ | |



REVISIONS

MATCH TO -L- POT Sta. 959+00.00 - SHEET UC-04B

MATCH TO -Y14RPB- STA. 22+00.00 SHEET UC-5B

MATCH TO -L- STA. 972+00.00 SHEET UC-5B

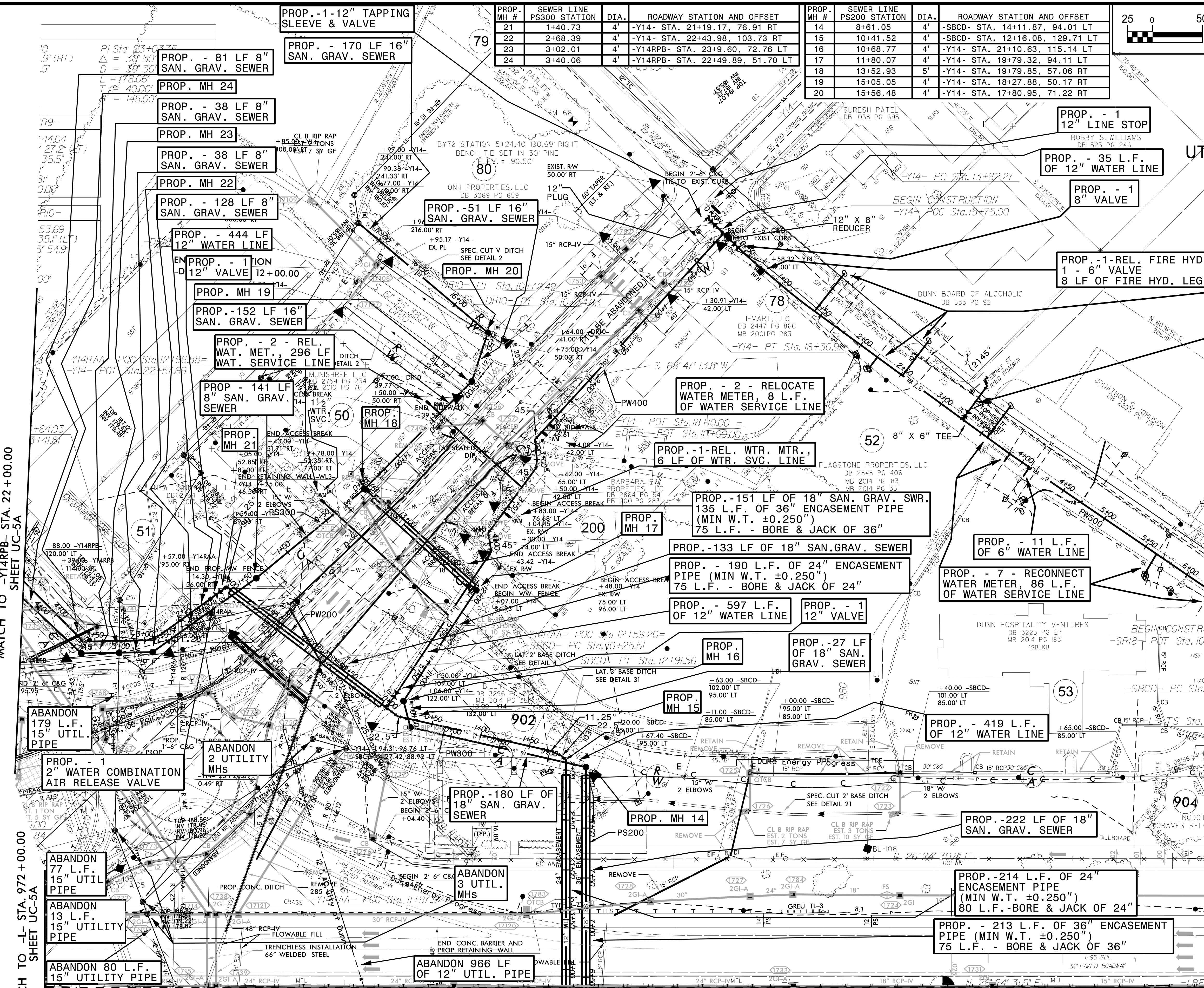
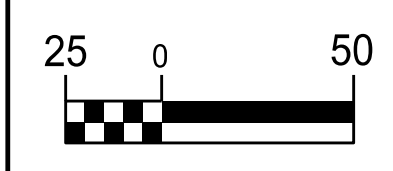
MATCH TO SHEET UC-05C

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,065 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-5B |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
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UTILITY CONSTRUCTION
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| PROP. MH # | SEWER LINE PS300 STATION | DIA. | ROADWAY STATION AND OFFSET | PROP. MH # | SEWER LINE PS200 STATION | DIA. | ROADWAY STATION AND OFFSET |
|------------|--------------------------|------|----------------------------------|------------|--------------------------|------|---------------------------------|
| 21 | 1+40.73 | 4' | -Y14- STA. 21+19.17, 76.91 RT | 14 | 8+61.05 | 4' | -SBCD- STA. 14+11.87, 94.01 LT |
| 22 | 2+68.39 | 4' | -Y14- STA. 22+43.98, 103.73 RT | 15 | 10+41.52 | 4' | -SBCD- STA. 12+16.08, 129.71 LT |
| 23 | 3+02.01 | 4' | -Y14RPB- STA. 23+9.60, 72.76 LT | 16 | 10+68.77 | 4' | -Y14- STA. 21+10.63, 115.14 LT |
| 24 | 3+40.06 | 4' | -Y14RPB- STA. 22+49.89, 51.70 LT | 17 | 11+80.07 | 4' | -Y14- STA. 19+79.32, 94.11 LT |
| | | | | 18 | 13+52.93 | 5' | -Y14- STA. 19+79.85, 57.06 RT |
| | | | | 19 | 15+05.05 | 4' | -Y14- STA. 18+27.88, 50.17 RT |
| | | | | 20 | 15+56.48 | 4' | -Y14- STA. 17+80.95, 71.22 RT |



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 5,795 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

MATCH TO -L- SHEET UC-5D

REVISIONS

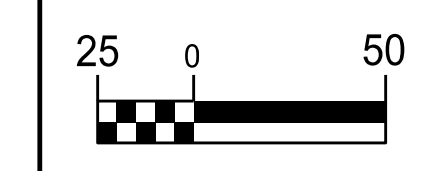
MATCH TO -Y14RPB- STA. 22+00.00
SHEET UC-5A

MATCH TO -L- STA. 972+00.00
SHEET UC-5A

MATCH TO -SBCD- POT
STA. 21+71.15
SHEET UC-06

MATCH TO -L- POT
STA. 985+00.00
SHEET UC-06

5/14/23



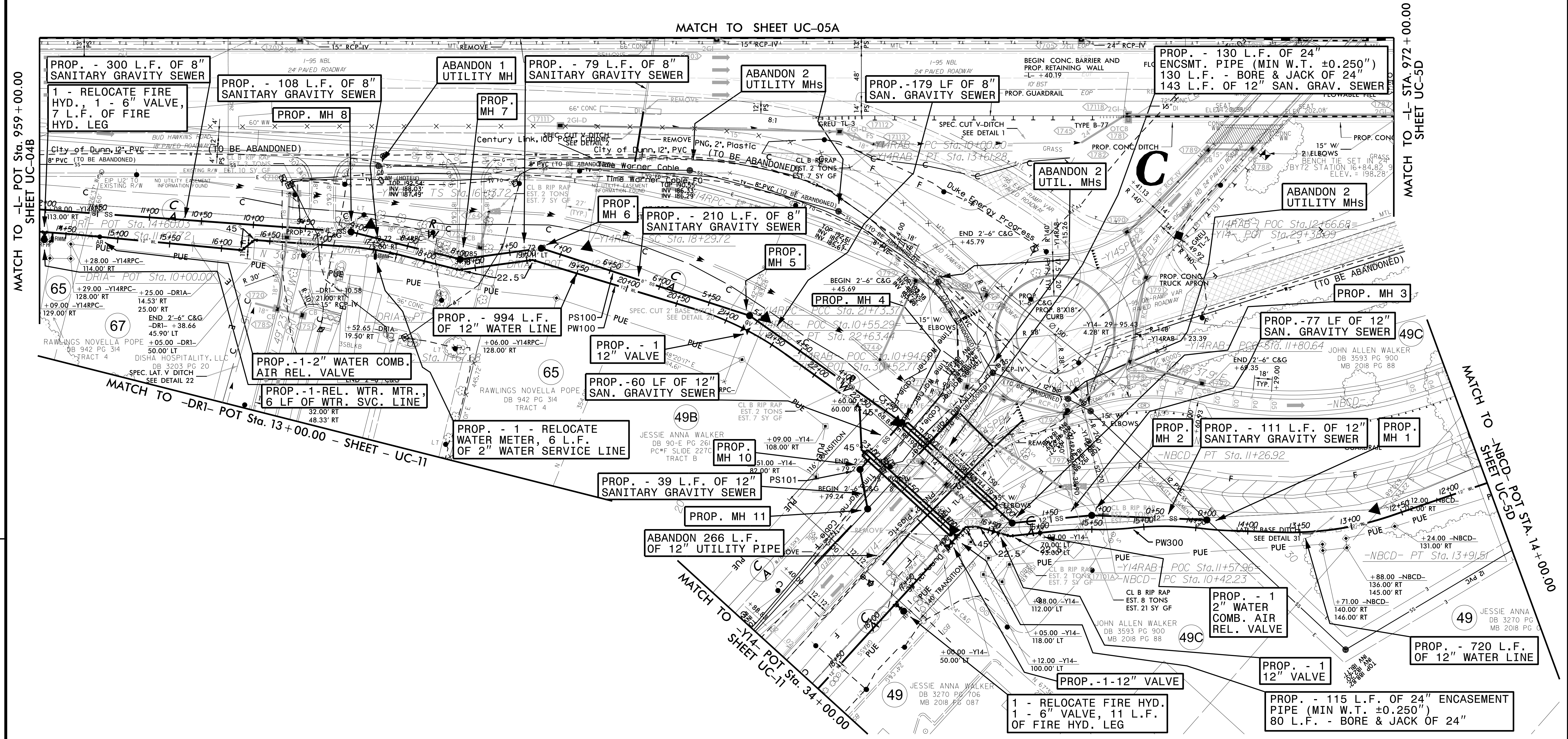
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|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-5C |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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UTILITY CONSTRUCTION

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| PROP. MH # | SEWER LINE PS100 STATION | DIA. | ROADWAY STATION AND OFFSET |
|------------|--------------------------|------|-----------------------------------|
| 1 | 0+00.00 | 6' | -NBCD- STA. 11+86.49, 122.51 RT |
| 2 | 1+10.67 | 4' | -Y14RAB- STA. 11+44.33, 119.49 RT |
| 3 | 1+87.40 | 4' | -Y14- STA. 31+56.83, 87.12 LT |
| 4 | 3+30.71 | 4' | -Y14- STA. 31+56.83, 56.30 RT |
| 5 | 5+09.26 | 4' | -Y14RPC- STA. 20+10.12, 102.64 RT |
| 6 | 7+19.44 | 4' | -Y14RPC- STA. 17+83.42, 82.62 RT |
| 7 | 7+97.95 | 4' | -Y14RPC- STA. 17+3.54, 101.35 RT |
| 8 | 9+06.01 | 4' | -Y14RPC- STA. 15+95.54, 83.00 RT |

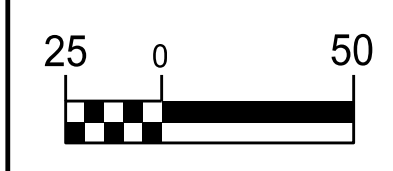
| PROP. MH # | SEWER LINE PS101 STATION | DIA. | ROADWAY STATION AND OFFSET |
|------------|--------------------------|------|-------------------------------|
| 10 | 0+60.41 | 4' | -Y14- STA. 32+72.67, 55.42 RT |
| 11 | 0+99.05 | 4' | -Y14- STA. 32+64.81, 24.46 RT |



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 3,015 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

5/21/2023

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,520 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-5D |
| 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

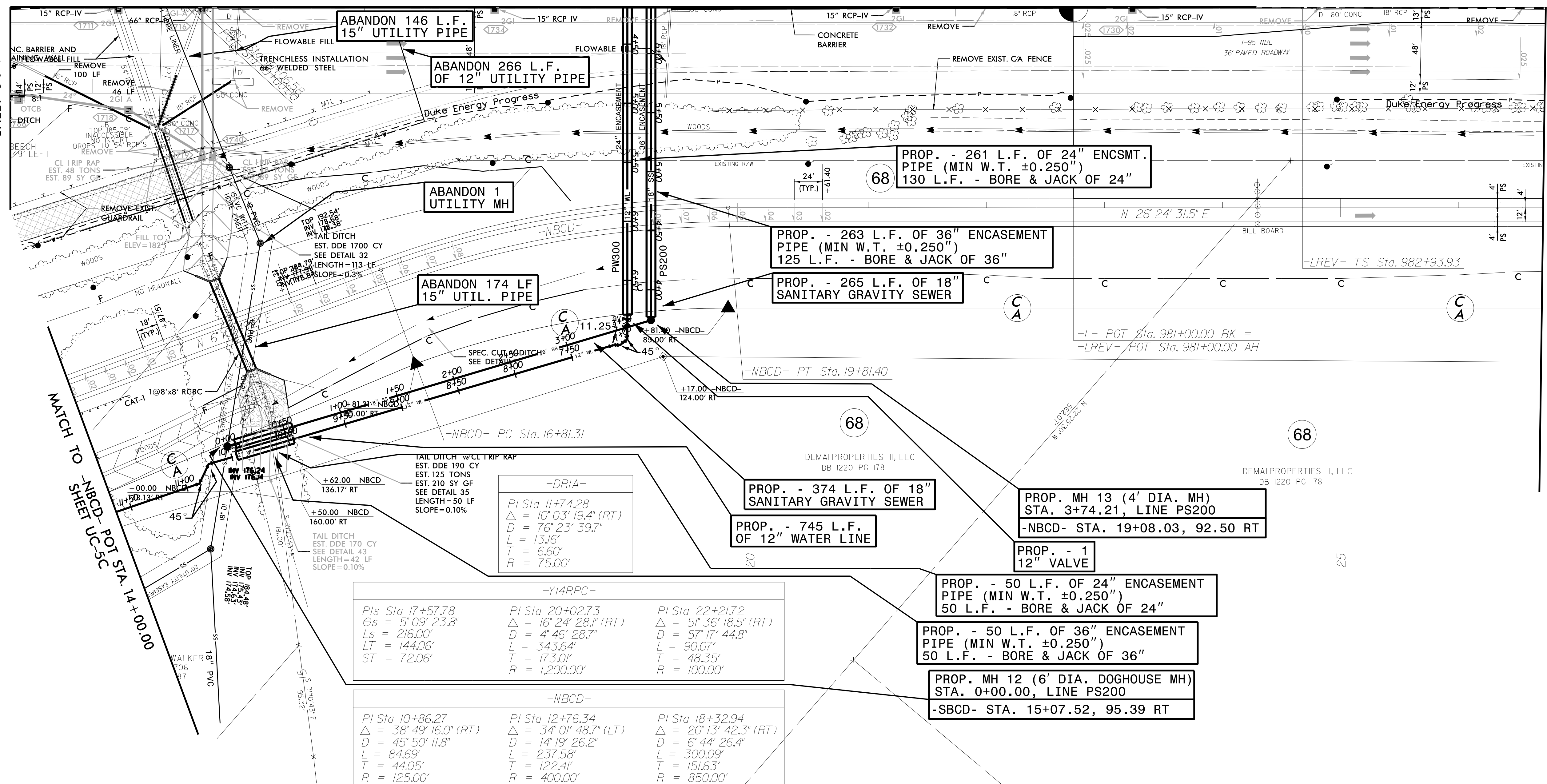
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCH TO -L- STA. 972+00.00 SHEET UC-5C

MATCH TO -L- SHEET UC-5B

MATCH TO -L- POT STA. 985+00.00 SHEET UC-06

MATCH TO -NBCD- POT STA. 26+71.4 SHEET UC-06



REVISIONS

5/21/2023

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 1,800 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 2,785 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

$Pis\ Sta\ 994+77.33$
 $\Theta_s = 3^\circ 46' 07.6"$
 $L_s = 444.00'$
 $LT = 296.07'$
 $ST = 148.06'$

PROP. MH 39 (4' DIA. MH)
 STA. 11+99.79, LINE PS500
 -SR18- STA. 23+67.48, 26.74 LT

PROP. - 292 L.F. OF 16" SANITARY GRAVITY SEWER

PROP. MH 38 (4' DIA. MH)
 STA. 9+7.42, LINE PS500
 -SR18- STA. 20+46.35, 50.81 LT

PROP. - 169 L.F. OF 16" SANITARY GRAVITY SEWER

PROP. MH 37 (4' DIA. MH)
 STA. 7+38.26, LINE PS500
 -SR18- STA. 19+73.22, 37.04 LT

PROP. - 534 LF OF 12" WATER LINE

ABANDON 1,329 L.F. OF 8" UTILITY PIPE
 PROP. - 1 8" VALVE

PROP. - 142 L.F. OF 8" SANITARY GRAVITY SEWER

PROP. MH 31 (4' DIA. MH)
 STA. 3+19.22, LINE PS400
 -SR18- STA. 13+91.87, 45.00 LT

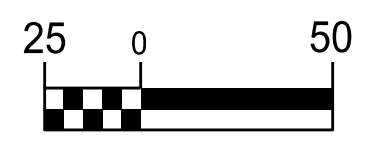
PROP. - 174 LF OF 8" SAN. GRAVITY SEWER

PROP. MH 30 (4' DIA. MH)
 STA. 1+44.73, LINE PS400
 -SR18- STA. 12+7.04, 45.00 LT

PROP. - 145 L.F. OF 8" SANITARY GRAVITY SEWER

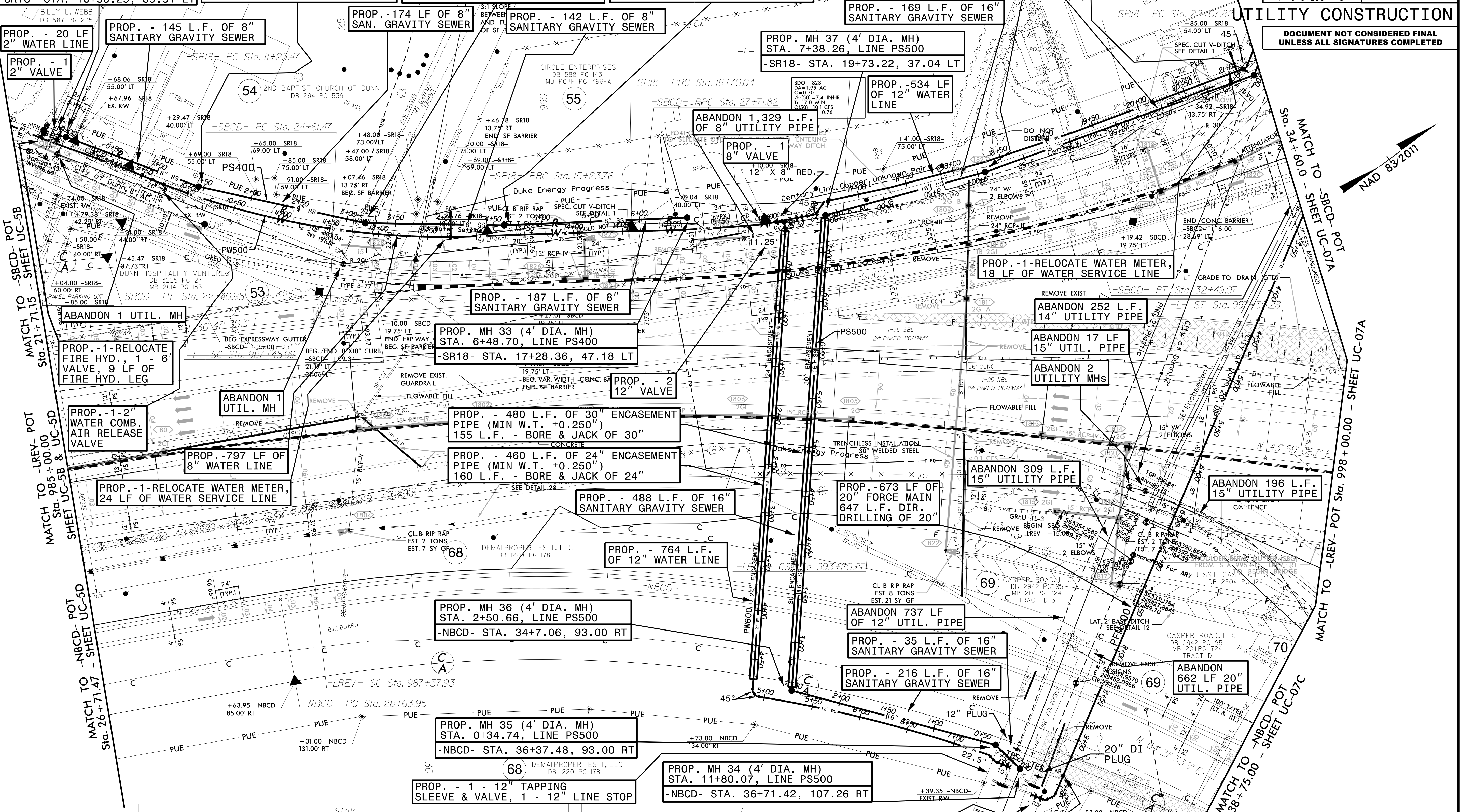
PROP. MH 29 (6' DIA. DOGHOUSE MH)
 STA. 0+00.00, LINE PS400
 -SR18- STA. 10+58.25, 39.51 LT

PROP. - 20 LF 2" WATER LINE
 PROP. - 1 2" VALVE



| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-06 |
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REVISIONS

MATCH TO -SRCD- POT SHEET UC-5B Sta. 21+71.15

MATCH TO -REV- POT SHEET UC-5B & UC-5D Sta. 985+00.00

MATCH TO -NB-CD- POT SHEET UC-5D Sta. 26+71.47

MATCH TO -SRCD- POT SHEET UC-07A Sta. 34+60.00

MATCH TO -REV- POT SHEET UC-07A Sta. 998+00.00

MATCH TO -NB-CD- POT SHEET UC-07C Sta. 38+75.00

| | | | |
|--|--|--|---|
| PI Sta 13+30.38 Δ = 27°07'13.1" (LT) D = 6°52'41.7" L = 394.29' T = 200.91' R = 833.00' | PI Sta 15+96.91 Δ = 2°22'37.4" (RT) D = 1°37'29.8" L = 146.28' T = 73.15' R = 3,526.00' | PI Sta 19+05.21 Δ = 15°40'12.0" (LT) D = 3°21'09.3" L = 467.40' T = 235.17' R = 1,709.00' | PI Sta 23+31.00 Δ = 52°27'44.5" (LT) D = 22°55'05.9" L = 228.91' T = 123.18' R = 250.00' |
|--|--|--|---|

| | | |
|--|--|---|
| Pis Sta 985+98.06 Θ _s = 3°46'07.6" L _s = 444.00' LT = 296.07' ST = 148.06' | PI Sta 990+16.71 Δ = 9°10'09.7" (RT) D = 1°41'51.5" L = 540.28' T = 270.72' R = 3,375.00' | Pis Θ _s L _s LT ST = |
|--|--|---|

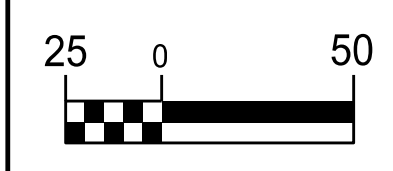
PROP. - 1-20" TAP SLEEVE & VALVE
 1-20" LINE STOP
 PROP. - 1-2" SEWER COMB. AIR RELEASE VALVE

5/14/2011

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 945 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 1,800 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

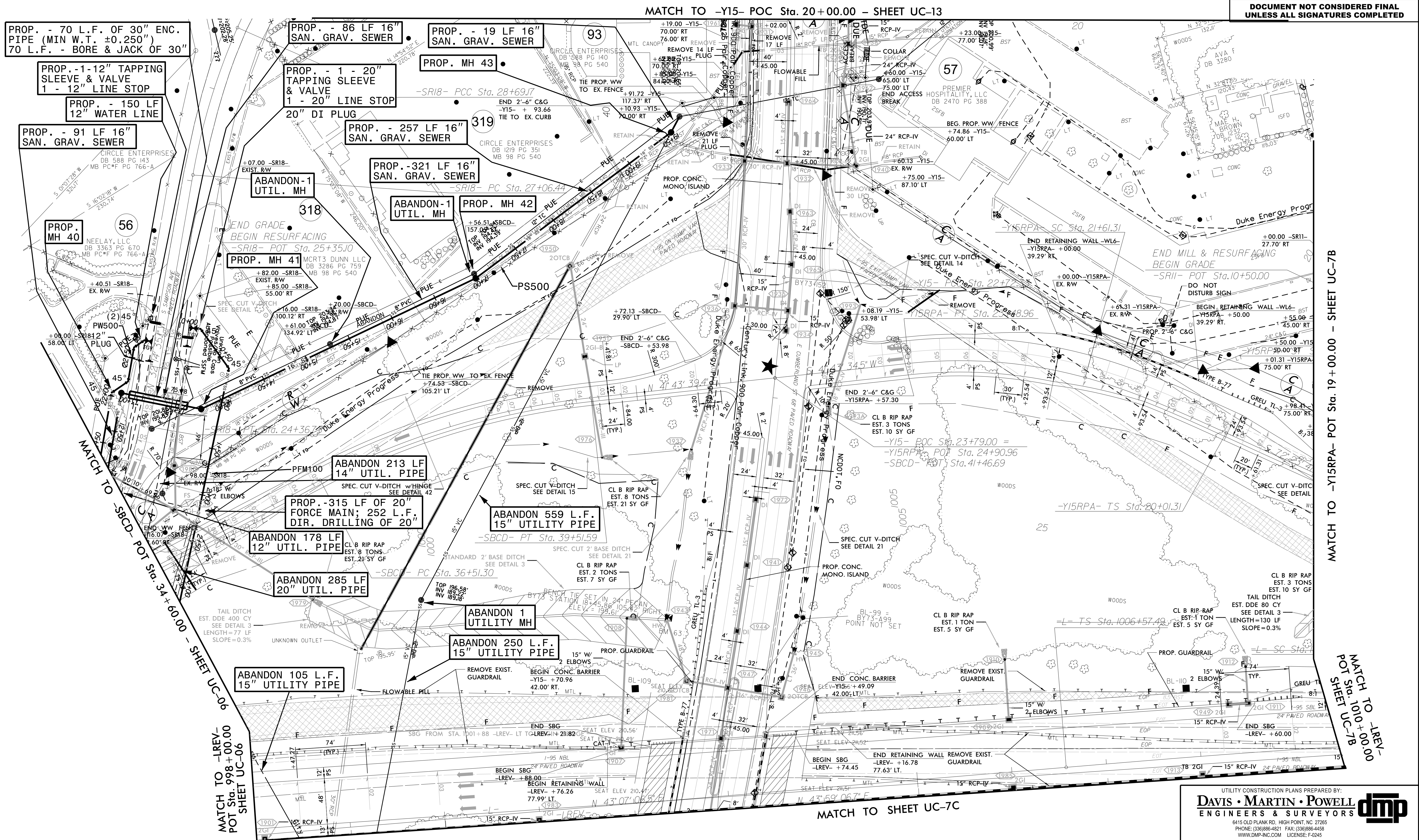
| PROP. MH # | SEWER LINE PS500 STATION | DIA. | ROADWAY STATION AND OFFSET |
|------------|--------------------------|------|---------------------------------|
| 40 | 12+91.06 | 4' | -SR18- STA. 24+66.93, 35.01 LT |
| 41 | 13+76.98 | 4' | -SR18- STA. 24+64.58, 50.88 RT |
| 42 | 16+97.62 | 4' | -SBCD- STA. 38+60.40, 144.52 LT |
| 43 | 19+54.89 | 4' | -Y15- STA. 21+24.13, 128.10 RT |



| | |
|---|--------------------|
| PROJECT REFERENCE NO. I-5878 | SHEET NO. UC-7A |
| 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



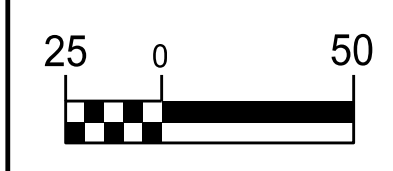
REVISIONS

MATCH TO -Y15RPA- POT Sta. 19+00.00 - SHEET UC-7B

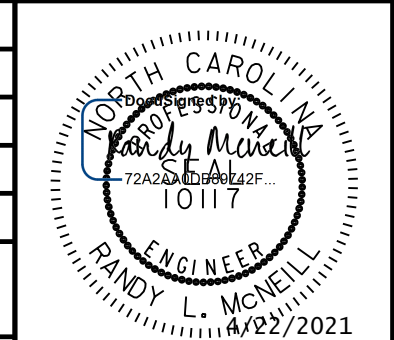
MATCH TO -LREV- POT Sta. 1010+00.00 SHEET UC-7B

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4,240 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

| PROP. MH # | SEWER LINE PS700 STATION | DIA. | ROADWAY STATION AND OFFSET |
|------------|--------------------------|------|--------------------------------|
| 50 | 9+24.21 | 4' | -SR11- STA. 10+76.00, 15.80 RT |
| 51 | 8+58.11 | 4' | -SR11- STA. 11+03.15, 45.11 LT |
| 52 | 7+07.70 | 4' | -SR11- STA. 12+82.40, 43.88 LT |
| 53 | 6+10.36 | 4' | -SR11- STA. 13+87.78, 21.31 LT |
| 54 | 4+01.39 | 4' | -SR11- STA. 15+99.90, 22.50 LT |
| 55 | 2+09.20 | 4' | -SR11- STA. 17+95.40, 27.50 LT |
| 56 | 0+51.73 | 4' | -SR11- STA. 19+49.43, 41.14 LT |
| 57 | 0+00.00 | 4' | -SR11- STA. 19+84.86, 0.30 RT |

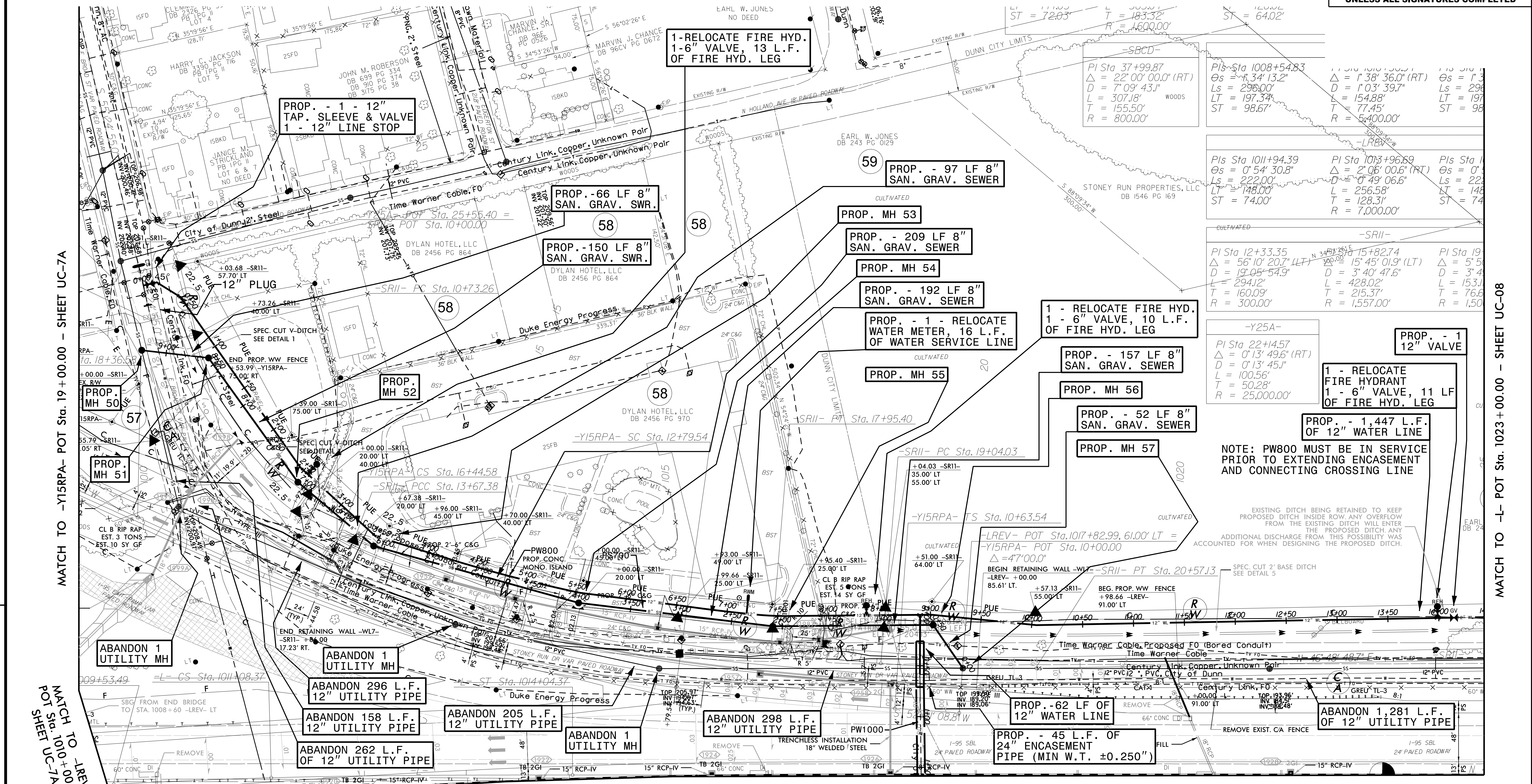


| | |
|--|--------|
| PROJECT REFERENCE NO. | I-5878 |
| SHEET NO. | UC-7B |
| DESIGNED BY: | DMP |
| DRAWN BY: | DMP |
| CHECKED BY: | DMP |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
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REVISIONS

MATCH TO -Y15RPA- POT Sta. 19+00.00 - SHEET UC-7A

MATCH TO -LREY- POT Sta. 1010+00.00 - SHEET UC-7A

MATCH TO SHEET UC-7D

MATCH TO -L- POT Sta. 1023+00.00 - SHEET UC-08

NOTE: PW800 MUST BE IN SERVICE PRIOR TO EXTENDING ENCASEMENT AND CONNECTING CROSSING LINE

EXISTING DITCH BEING RETAINED TO KEEP PROPOSED DITCH INSIDE ROW. ANY OVERFLOW FROM THE EXISTING DITCH WILL ENTER THE PROPOSED DITCH. ANY ADDITIONAL DISCHARGE FROM THIS POSSIBILITY WAS ACCOUNTED FOR WHEN DESIGNING THE PROPOSED DITCH.

SPEC. CUT 2' BASE DITCH SEE DETAIL 5

ABANDON 1,281 L.F. OF 12\"/>

PROP. - 62 LF OF 12\"/>

ABANDON 298 L.F. 12\"/>

ABANDON 205 L.F. 12\"/>

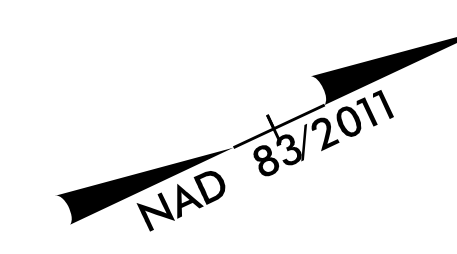
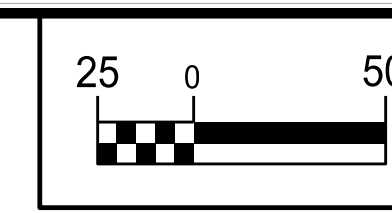
ABANDON 158 L.F. 12\"/>

ABANDON 262 L.F. OF 12\"/>

ABANDON 1 UTILITY MH

ABANDON 1 UTILITY MH

ABANDON 1 UTILITY MH

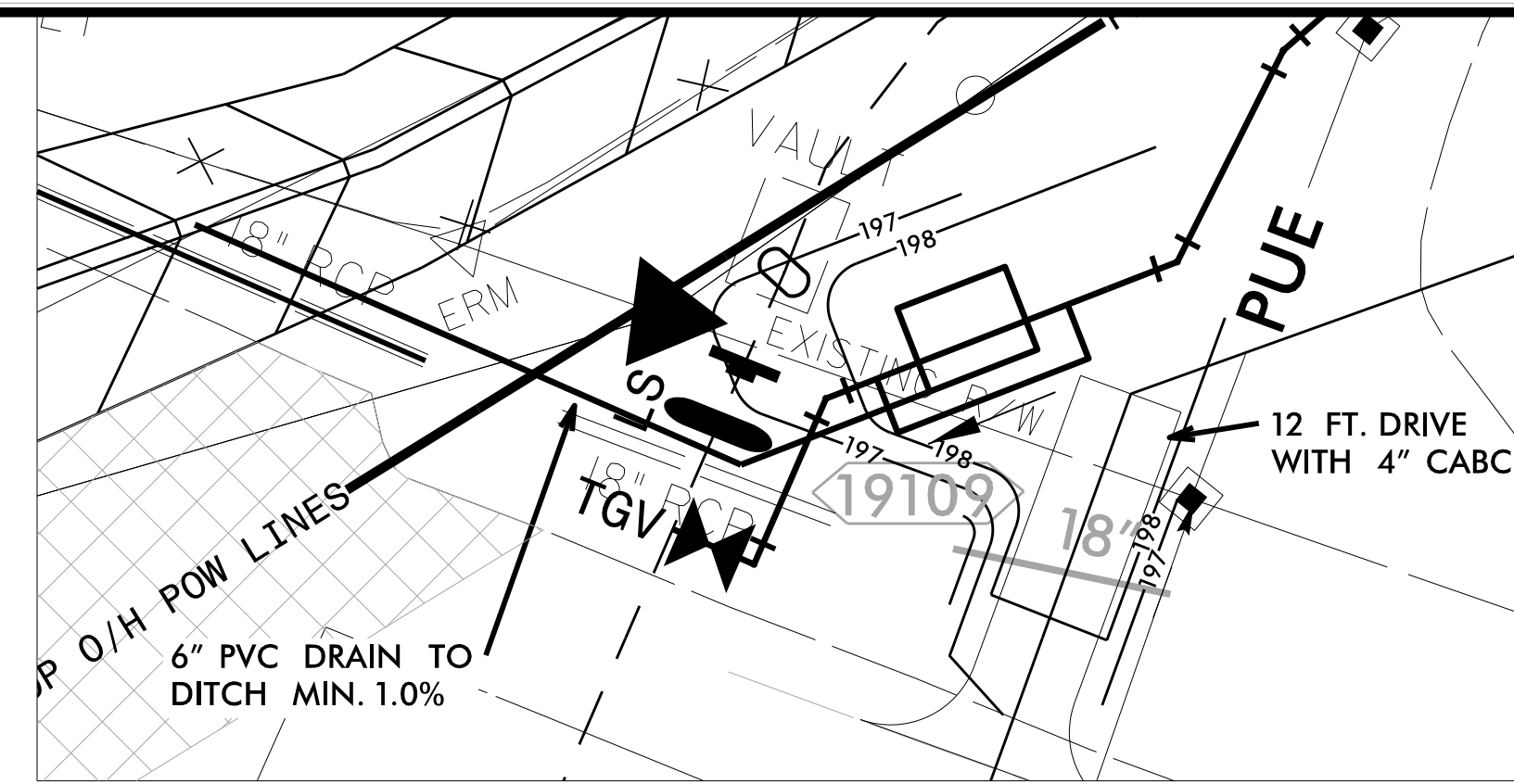


| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-7C |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

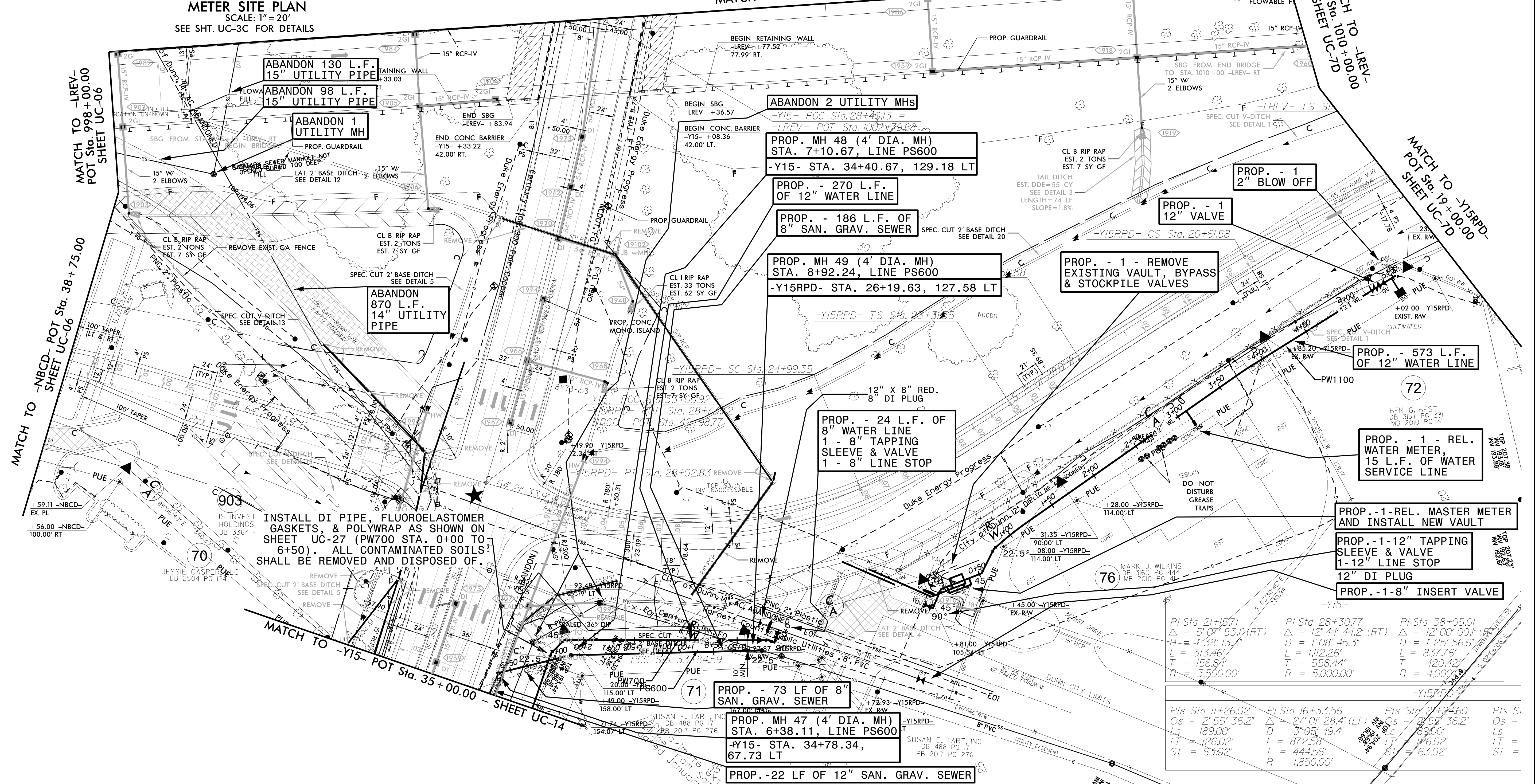
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTE: RELOCATED PW700 BELONGS TO HRW, RELOCATED PW1100 BELONGS TO THE CITY OF DUNN. RELOCATED MASTER METER AND VAULT IS OWNED BY THE CITY OF DUNN. HRW OWNS THE EXISTING 12" WATER LINE SOUTHEAST OF RELOCATED MASTER METER.



METER SITE PLAN
SCALE: 1" = 20'
SEE SHT. UC-3C FOR DETAILS



MATCH TO -LREV- POT Sta. 998+00.00 SHEET UC-06

MATCH TO -NBCD- POT Sta. 38+75.00 SHEET UC-06

MATCH TO -Y15- POT Sta. 35+00.00 - SHEET UC-14

MATCH TO SHEET UC-7A

MATCH TO SHEET UC-7D POT Sta. 100+00.00

MATCH TO -Y15RPD- POT Sta. 19+00.00 SHEET UC-7D

REVISIONS
1. 06/21/2021 - ADDED FLUOROELASTOMER GASKETS TO PW700 FROM STA. 0+00 TO 6+50.

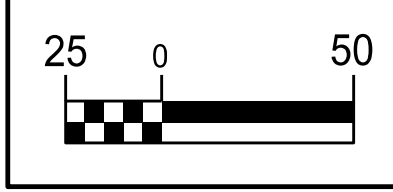
INSTALL DI PIPE, FLUROELASTOMER GASKETS, & POLYWRAP AS SHOWN ON SHEET UC-27 (PW700 STA. 0+00 TO 6+50). ALL CONTAMINATED SOILS SHALL BE REMOVED AND DISPOSED OF.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,015 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

| | | | |
|---|---|---|--|
| PI Sta 21+57.1 $\Delta = 5^{\circ}07'53.1''$ (RT) $D = 1^{\circ}38'13.3''$ $L = 313.46'$ $T = 156.84'$ $R = 3,500.00'$ | PI Sta 28+30.77 $\Delta = 12^{\circ}44'44.2''$ (RT) $D = 1^{\circ}08'45.3''$ $L = 1,112.26'$ $T = 558.44'$ $R = 5,000.00'$ | PI Sta 38+05.01 $\Delta = 12^{\circ}00'00.0''$ (RT) $D = 1^{\circ}25'56.6''$ $L = 837.76'$ $T = 420.42'$ $R = 4,000.00'$ | |
| PIs Sta 11+26.02 $\Delta = 2^{\circ}55'36.2''$ $Ls = 189.00'$ $LT = 126.02'$ $ST = 63.92'$ | PI Sta 16+33.56 $\Delta = 27^{\circ}01'28.4''$ (LT) $D = 3^{\circ}05'49.4''$ $L = 872.58'$ $L = 444.56'$ $R = 1,850.00'$ | PIs Sta 21+24.60 $\Delta = 2^{\circ}58'36.2''$ $Ls = 89.00'$ $LT = 126.02'$ $ST = 63.02'$ | PIs Sta 11+26.02 $\Delta = 2^{\circ}55'36.2''$ $Ls = 189.00'$ $LT = 126.02'$ $ST = 63.92'$ |

5/14/2011

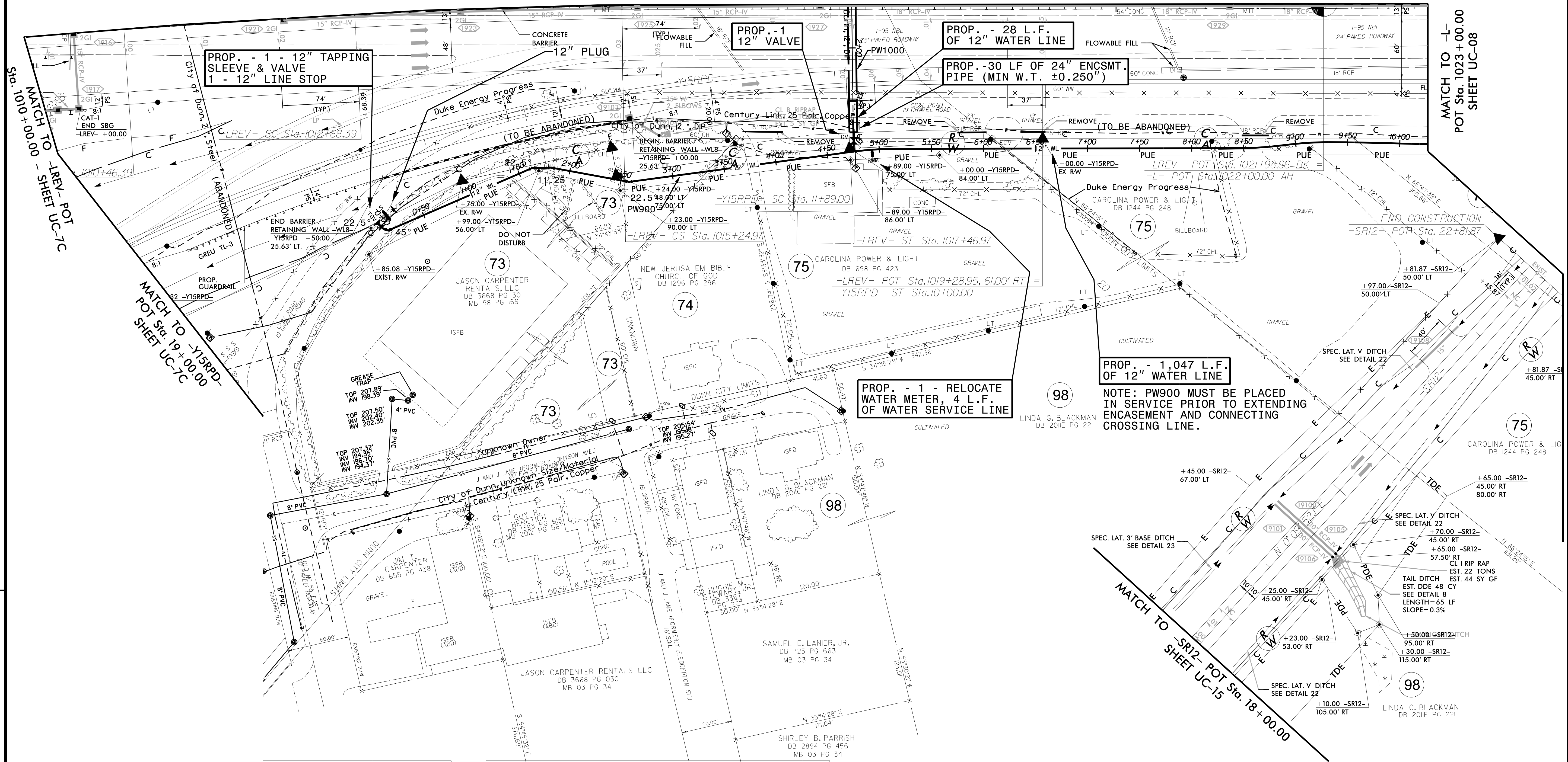
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,165 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-7D |
| 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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MATCH TO SHEET UC-7B



REVISIONS

MATCH TO SHEET UC-7C

MATCH TO SHEET UC-7C

MATCH TO SHEET UC-7C

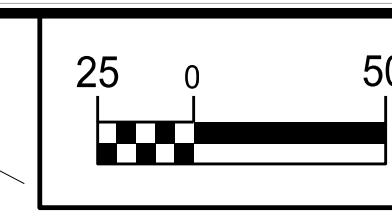
MATCH TO SHEET UC-7C

MATCH TO SHEET UC-7C

MATCH TO SHEET UC-7C

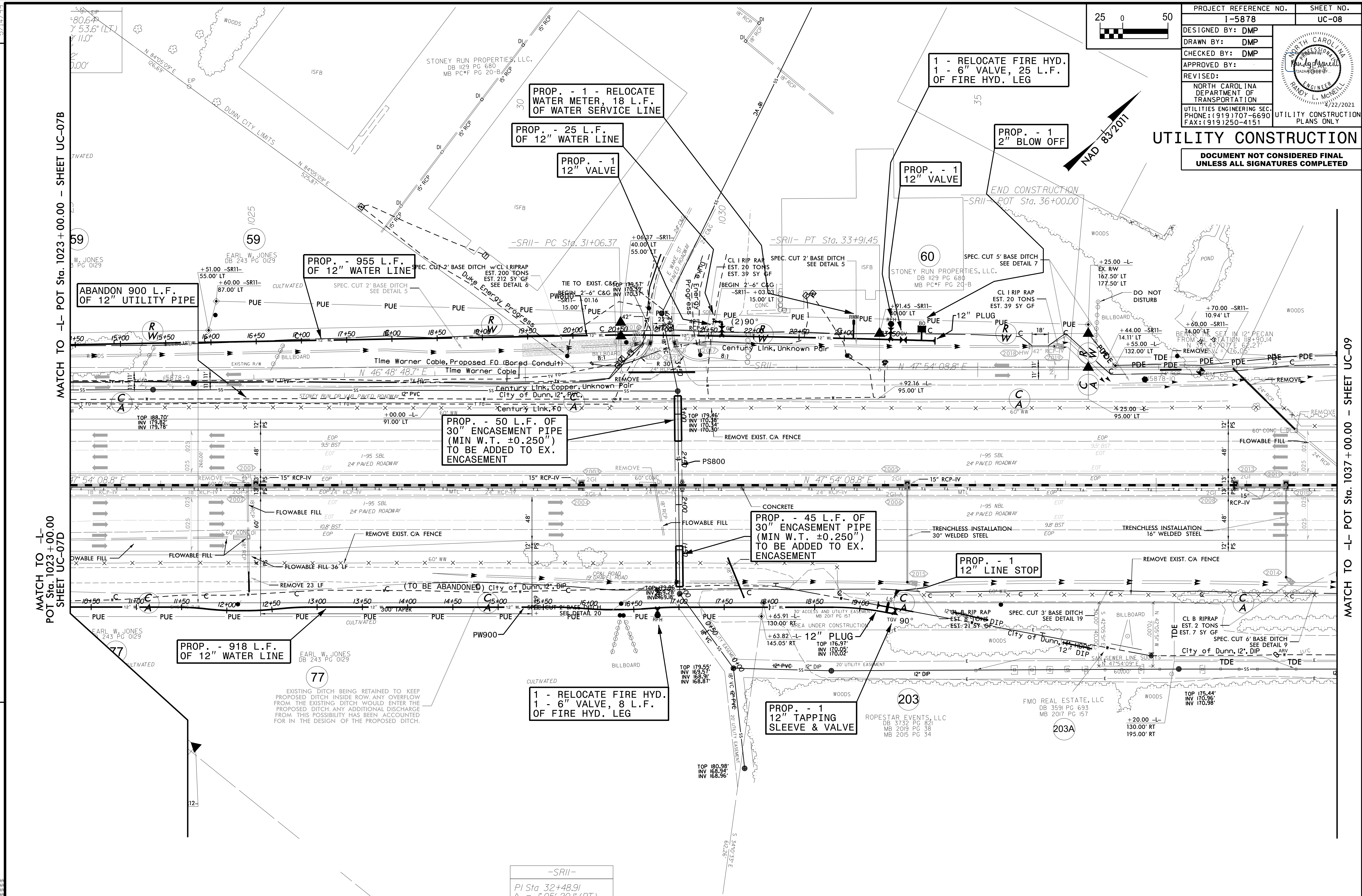
| | |
|--------------|------------------------|
| 10' 4" 42.8" | PI Sta 26+57.12 |
| 168.00' | Δ = 38' 38" 23.2" (RT) |
| 112.21' | D = 12' 43" 56.6" |
| 56.19' | L = 303.48' |
| | T = 157.76' |
| | R = 450.00' |

| | | |
|------------------------|----------------------|----------------------|
| PI Sta 23+31.00 | PI Sta 27+88.20 | PI Sta 29+69.96 |
| Δ = 52' 27" 44.5" (LT) | Δ = 13' 54' 57" (RT) | Δ = 17' 37' 46" (RT) |
| D = 22' 55" 05.9" | D = 8' 33" 05.8" | D = 8' 48" 53.0" |
| L = 228.91' | L = 162.73' | L = 200.00' |
| T = 123.18' | T = 81.77' | T = 100.80' |
| R = 250.00' | R = 670.00' | R = 650.00' |



| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| 1-5878 | UC-08 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITY ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

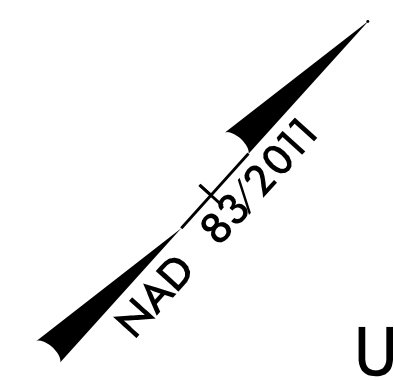
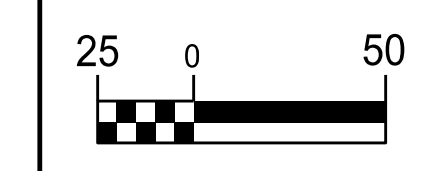
UTILITY CONSTRUCTION
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,875 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

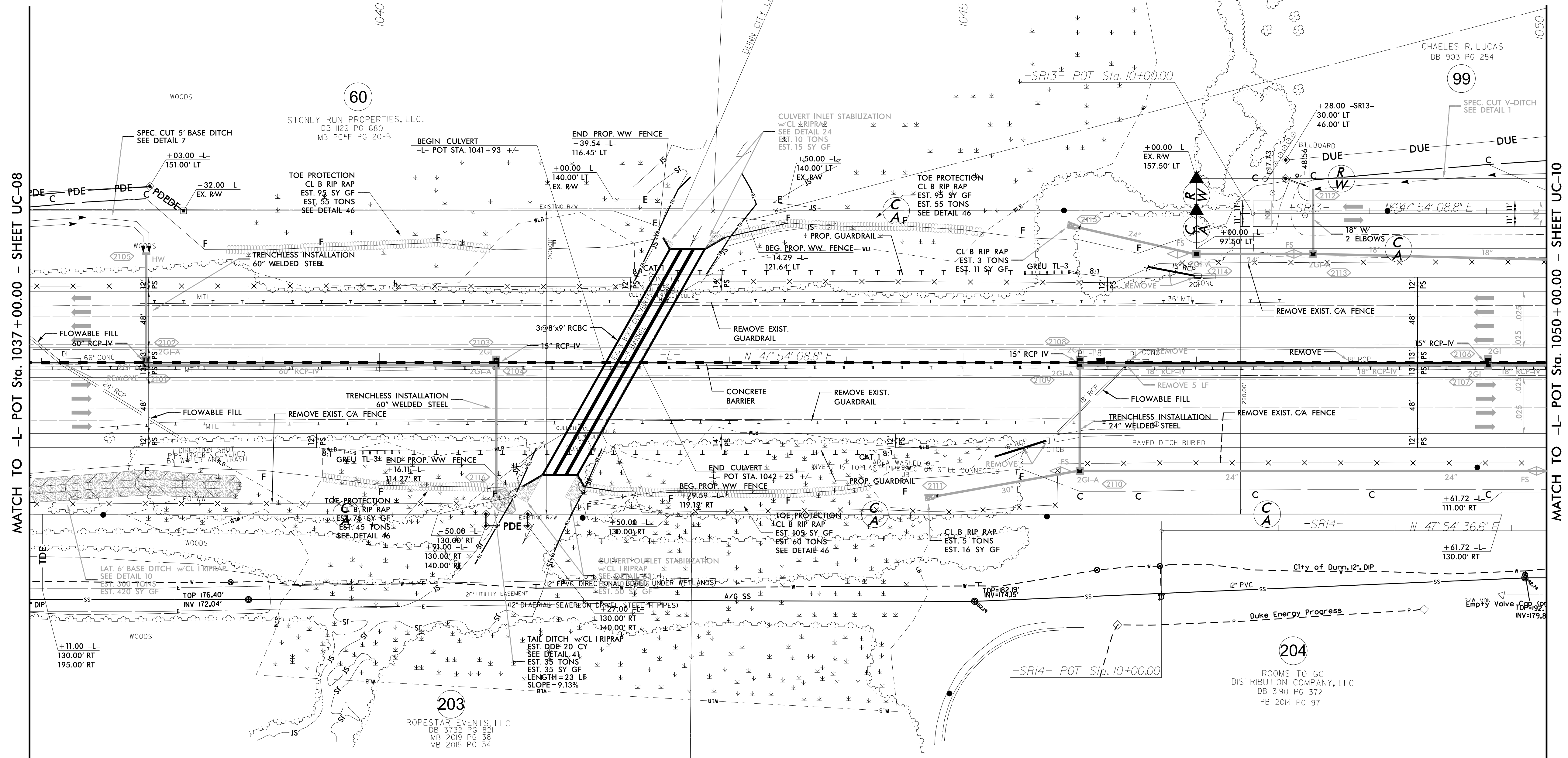
-SR11-
 PI Sta. 32+48.91
 $\Delta = 1^{\circ}05'20.1''$ (RT)
 $D = 0^{\circ}22'55.1''$
 $L = 285.08'$
 $T = 142.54'$
 $R = 15,000.00'$

5/14/20



| | |
|--|------------------------------------|
| PROJECT REFERENCE NO. I-5878 | SHEET NO. UC-09 |
| 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 |

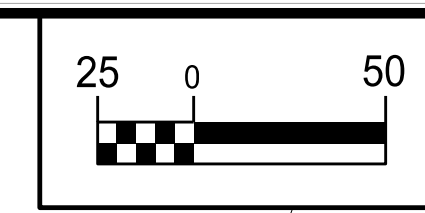
UTILITY CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



REVISIONS

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

5/14/2011



| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-10 |
| 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 |

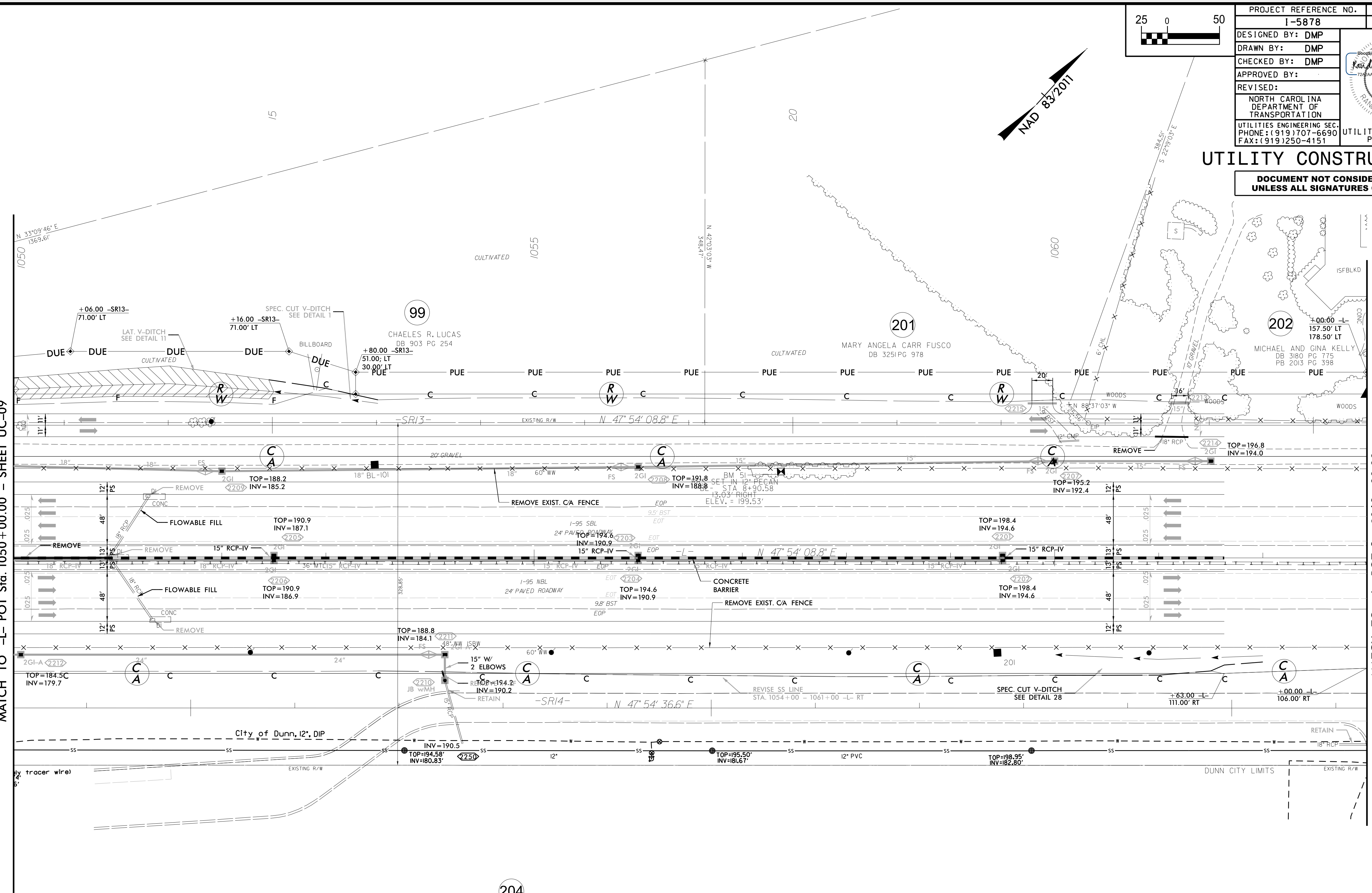
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

MATCH TO -L- POT Sta. 1050 + 00.00 - SHEET UC-09

MATCH TO -L- POT Sta. 1063 + 00.00

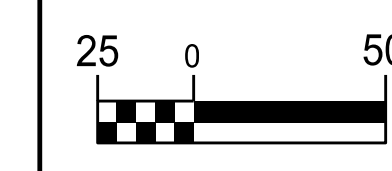


204
 ROOMS TO GO
 DISTRIBUTION COMPANY, LLC
 DB 3190 PG 312
 PB 2014 PG 97

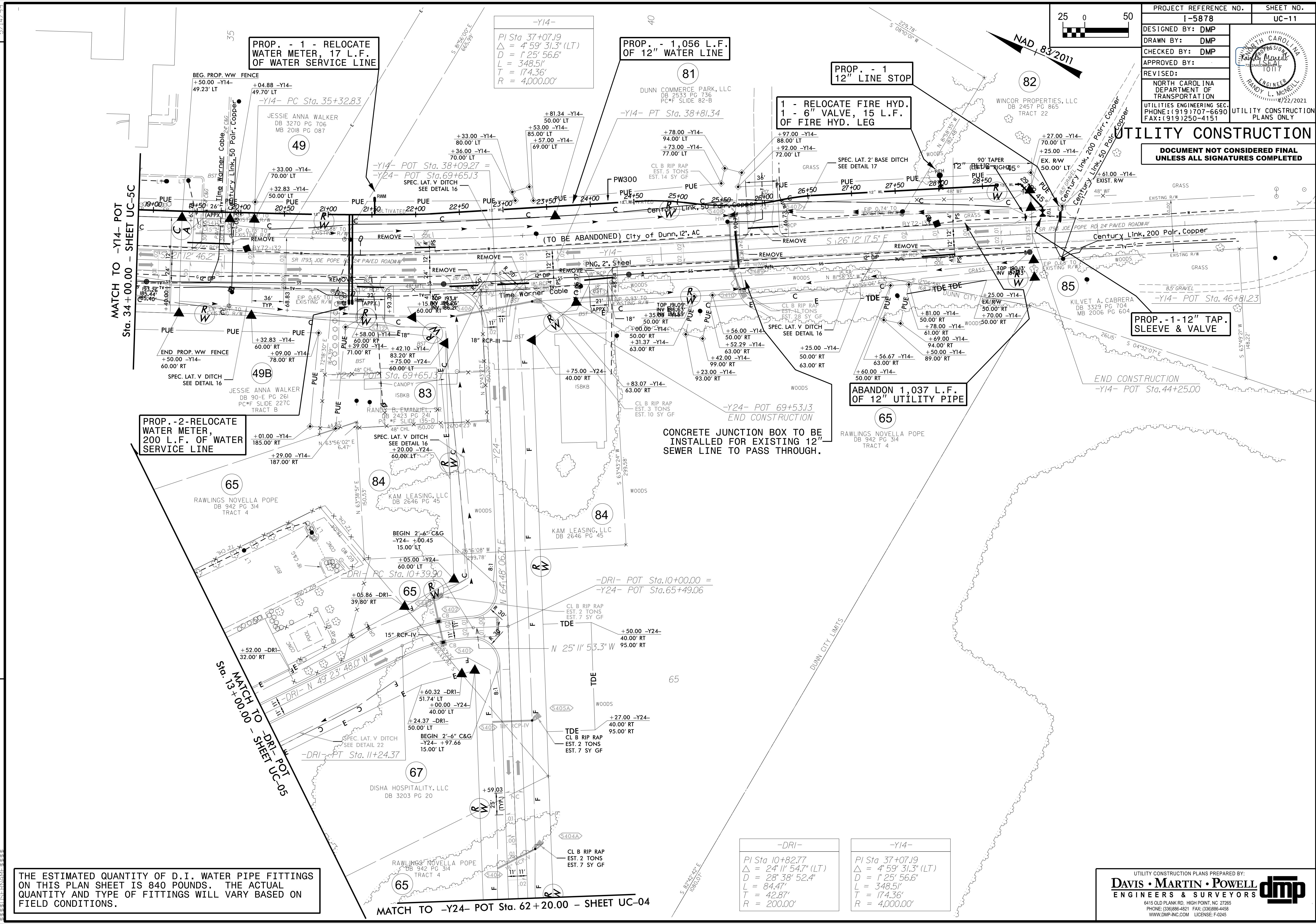
THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. NO WATER OR SEWER CONFLICTS ARE ANTICIPATED ON THIS SHEET.

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

| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-11 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | UTILITY CONSTRUCTION PLANS ONLY |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |



UTILITY CONSTRUCTION
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MATCH TO -Y14- POT
 Sta. 34+00.00 - SHEET UC-5C

MATCH TO -DRI- POT
 Sta. 13+00.00 - SHEET UC-05

MATCH TO -Y24- POT Sta. 62+20.00 - SHEET UC-04

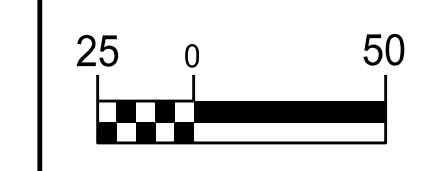
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 840 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-Y14-
 PI Sta 37+07.19
 $\Delta = 4' 59'' 31.3''$ (LT)
 $D = 1' 25'' 56.6''$
 $L = 348.51'$
 $T = 174.36'$
 $R = 4,000.00'$

-DRI-
 PI Sta 10+82.77
 $\Delta = 24' 11'' 54.7''$ (LT)
 $D = 28' 38'' 52.4''$
 $L = 84.47'$
 $T = 42.87'$
 $R = 200.00'$

-Y14-
 PI Sta 37+07.19
 $\Delta = 4' 59'' 31.3''$ (LT)
 $D = 1' 25'' 56.6''$
 $L = 348.51'$
 $T = 174.36'$
 $R = 4,000.00'$

REVISIONS



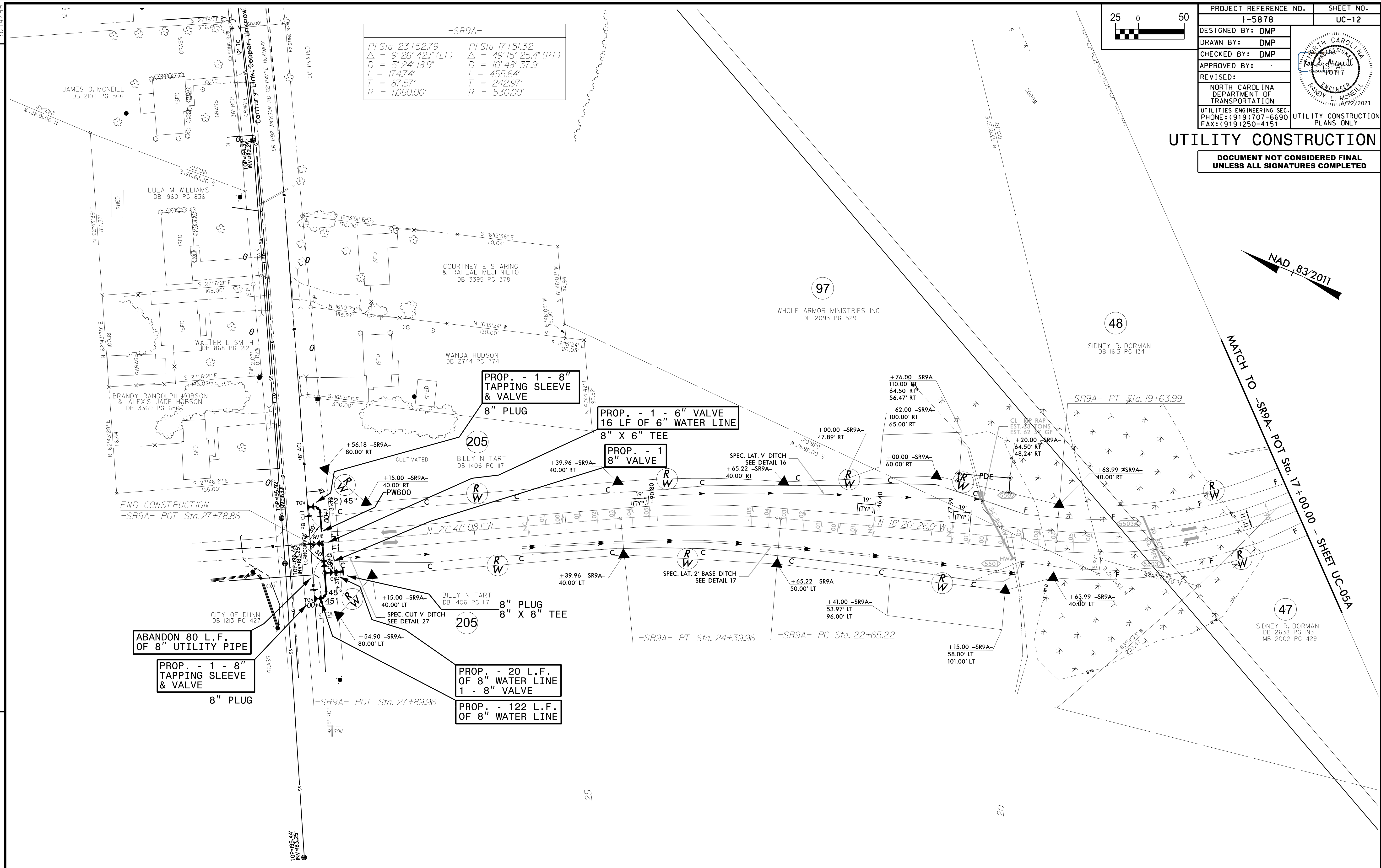
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|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-12 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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-SR9A-

| | |
|--------------------------------------|---------------------------------------|
| PI Sta 23+52.79 | PI Sta 17+51.32 |
| $\Delta = 9^{\circ} 26' 42.1''$ (LT) | $\Delta = 49^{\circ} 15' 25.4''$ (RT) |
| D = 5' 24' 18.9" | D = 10' 48' 37.9" |
| L = 174.74' | L = 455.64' |
| T = 87.57' | T = 242.97' |
| R = 1,060.00' | R = 530.00' |

REVISIONS

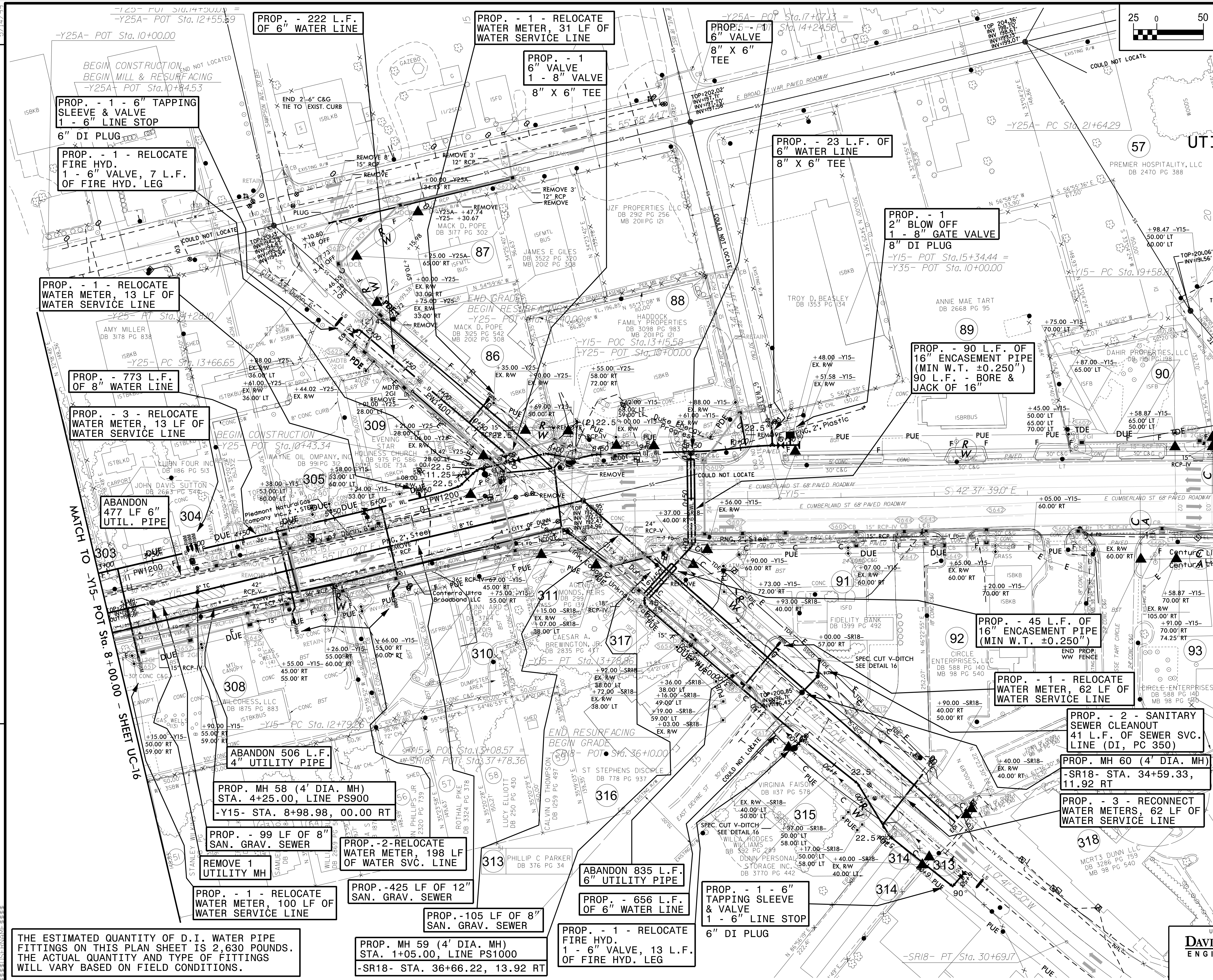
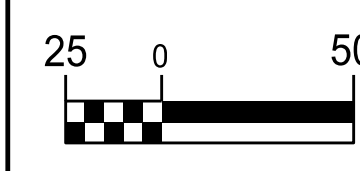


THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,080 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-13 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | UTILITY CONSTRUCTION PLANS ONLY |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |

UTILITY CONSTRUCTION

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PROP. - 1 - 6" TAPPING SLEEVE & VALVE
1 - 6" LINE STOP
6" DI PLUG

PROP. - 1 - RELOCATE FIRE HYD.
1 - 6" VALVE, 7 L.F. OF FIRE HYD. LEG

PROP. - 1 - RELOCATE WATER METER, 13 LF OF WATER SERVICE LINE

PROP. - 773 L.F. OF 8" WATER LINE

PROP. - 3 - RELOCATE WATER METER, 13 LF OF WATER SERVICE LINE

ABANDON 477 LF 6" UTIL. PIPE

ABANDON 506 L.F. 4" UTILITY PIPE

PROP. MH 58 (4' DIA. MH)
STA. 4+25.00, LINE PS900
-Y15- STA. 8+98.98, 00.00 RT

PROP. - 99 LF OF 8" SAN. GRAV. SEWER

REMOVE 1 UTILITY MH

PROP. - 1 - RELOCATE WATER METER, 100 LF OF WATER SERVICE LINE

PROP. - 2 - RELOCATE WATER METER, 198 LF OF WATER SVC. LINE

PROP. - 425 LF OF 12" SAN. GRAV. SEWER

PROP. - 105 LF OF 8" SAN. GRAV. SEWER

PROP. MH 59 (4' DIA. MH)
STA. 1+05.00, LINE PS1000
-SR18- STA. 36+66.22, 13.92 RT

ABANDON 835 L.F. 6" UTILITY PIPE

PROP. - 656 L.F. OF 6" WATER LINE

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

PROP. - 1 - 6" TAPPING SLEEVE & VALVE
1 - 6" LINE STOP
6" DI PLUG

PROP. - 1 - 6" VALVE
1 - 8" X 6" TEE

PROP. - 23 L.F. OF 6" WATER LINE
8" X 6" TEE

PROP. - 1
2" BLOW OFF
1 - 8" GATE VALVE
8" DI PLUG
-Y15- POT Sta.15+34.44 =
-Y35- POT Sta.10+00.00

PROP. - 90 L.F. OF 16" ENCASEMENT PIPE (MIN W.T. ±0.250")
90 L.F. - BORE & JACK OF 16"

PROP. - 45 L.F. OF 16" ENCASEMENT PIPE (MIN W.T. ±0.250")

PROP. - 1 - RELOCATE WATER METER, 62 LF OF WATER SERVICE LINE

PROP. - 2 - SANITARY SEWER CLEANOUT
41 L.F. OF SEWER SVC. LINE (DI, PC 350)

PROP. MH 60 (4' DIA. MH)
-SR18- STA. 34+59.33, 11.92 RT

PROP. - 3 - RECONNECT WATER METERS, 62 LF OF WATER SERVICE LINE

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,630 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

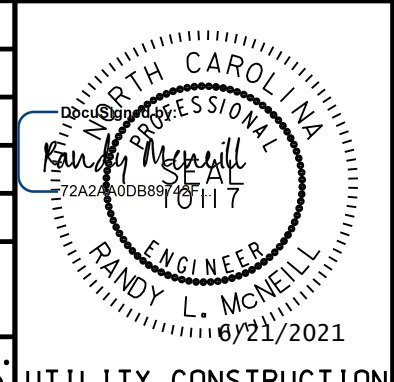
REVISIONS

MATCH TO -Y15- PC Sta. 20+00.00 - SHEET UC-7A

MATCH TO
-Y15- POT Sta. 8+00.00 - SHEET UC-16

NOTE: RELOCATED PW700 BELONGS TO HRW.
NOTE: RELOCATED PW700 BELONGS TO HRW.

| | |
|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-14 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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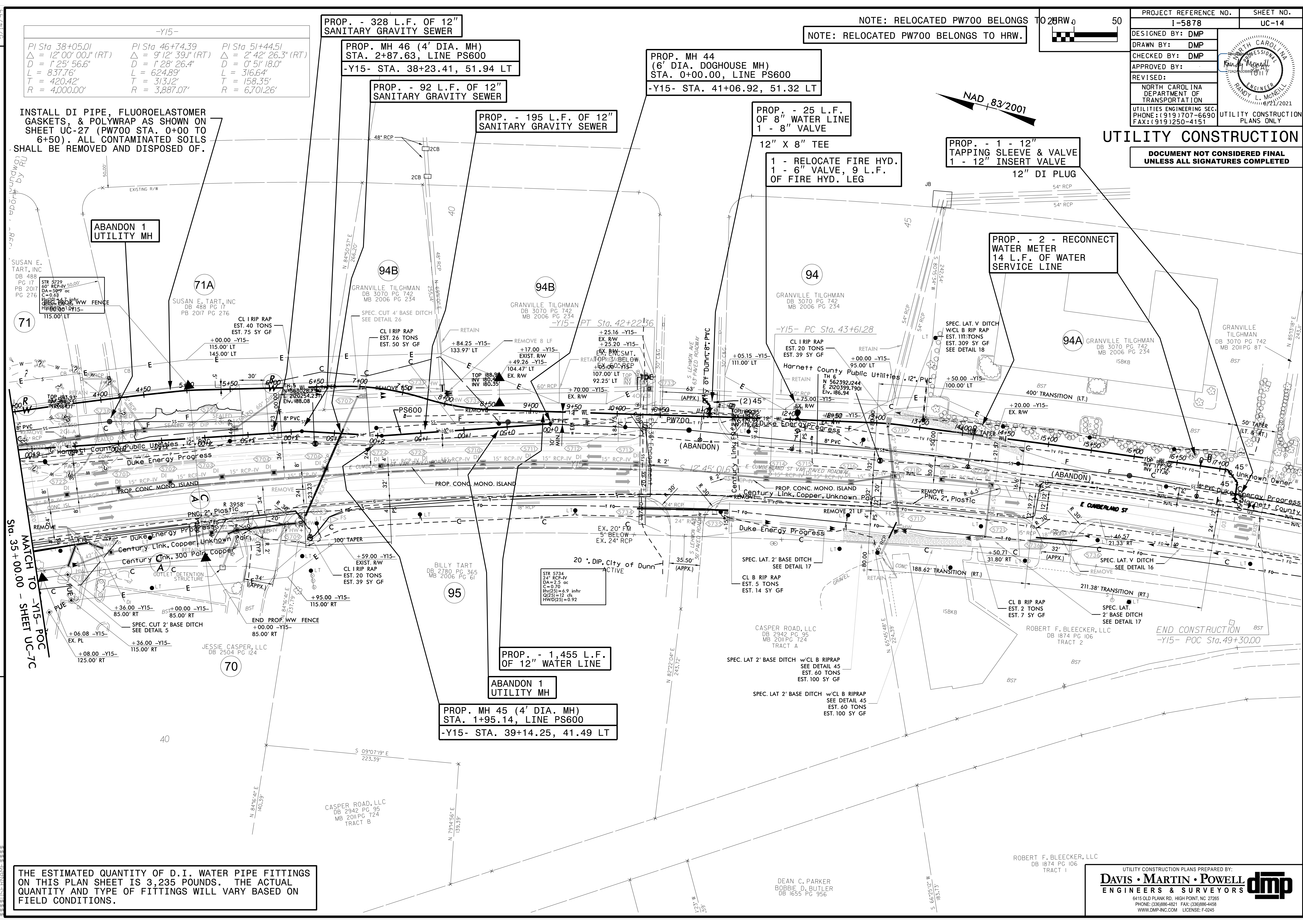


UTILITY CONSTRUCTION
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| -Y15- | | |
|-------------------------------|------------------------------|------------------------------|
| PI Sta 38+05.01 | PI Sta 46+74.39 | PI Sta 51+44.51 |
| $\Delta = 12'00''00.0''$ (RT) | $\Delta = 9'12''39.1''$ (RT) | $\Delta = 2'42''26.3''$ (RT) |
| $D = 1'25''56.6''$ | $D = 1'28''26.4''$ | $D = 0'51''18.0''$ |
| $L = 837.76'$ | $L = 624.89'$ | $L = 316.64'$ |
| $T = 420.42'$ | $T = 313.12'$ | $T = 158.35'$ |
| $R = 4,000.00'$ | $R = 3,887.07'$ | $R = 6,701.26'$ |

INSTALL DI PIPE, FLUOROELASTOMER GASKETS, & POLYWRAP AS SHOWN ON SHEET UC-27 (PW700 STA. 0+00 TO 6+50). ALL CONTAMINATED SOILS SHALL BE REMOVED AND DISPOSED OF.

REVISIONS
1. 06/21/2021 - ADDED FLUOROELASTOMER GASKETS TO PW700 FROM STA. 0+00 TO 6+50.

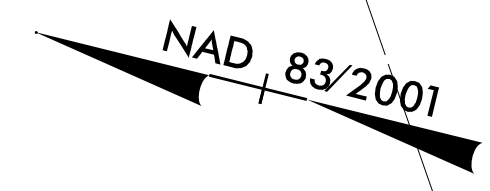
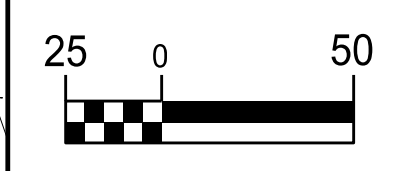


THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 3,235 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS **dmp**
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WWW.DMP-INC.COM LICENSE: F-0245

5/14/20

| -SR12- | |
|---------------------------------------|---------------------------------------|
| PI Sta 11+58.59 | PI Sta 16+35.12 |
| $\Delta = 13^{\circ} 01' 10.0''$ (LT) | $\Delta = 18^{\circ} 21' 39.0''$ (RT) |
| $D = 9^{\circ} 32' 57.5''$ | $D = 9^{\circ} 32' 57.5''$ |
| $L = 136.34'$ | $L = 192.27'$ |
| $T = 68.46'$ | $T = 96.97'$ |
| $R = 600.00'$ | $R = 600.00'$ |



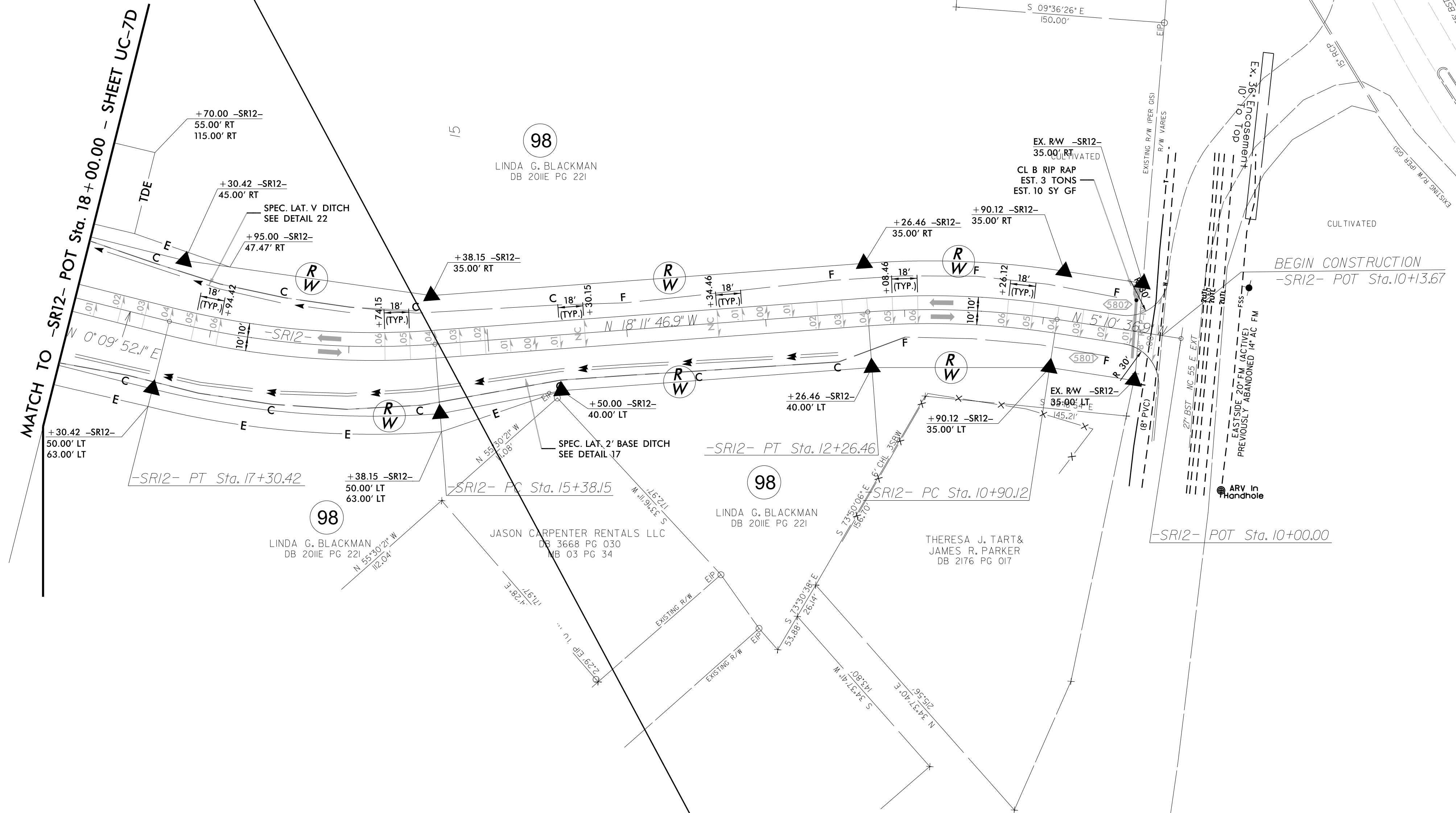
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|--|---------------------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-15 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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REVISIONS

MATCH TO -SR12- POT Sta. 18+00.00 - SHEET UC-7D



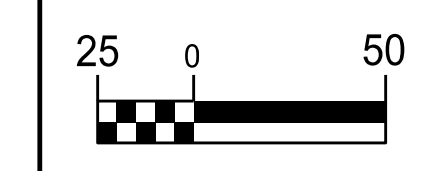
THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. NO WATER OR SEWER CONFLICTS ARE ANTICIPATED ON THIS SHEET.

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL ENGINEERS & SURVEYORS

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8/17/99



| | |
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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-16 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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REVISIONS

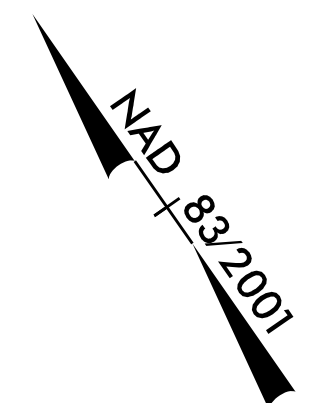
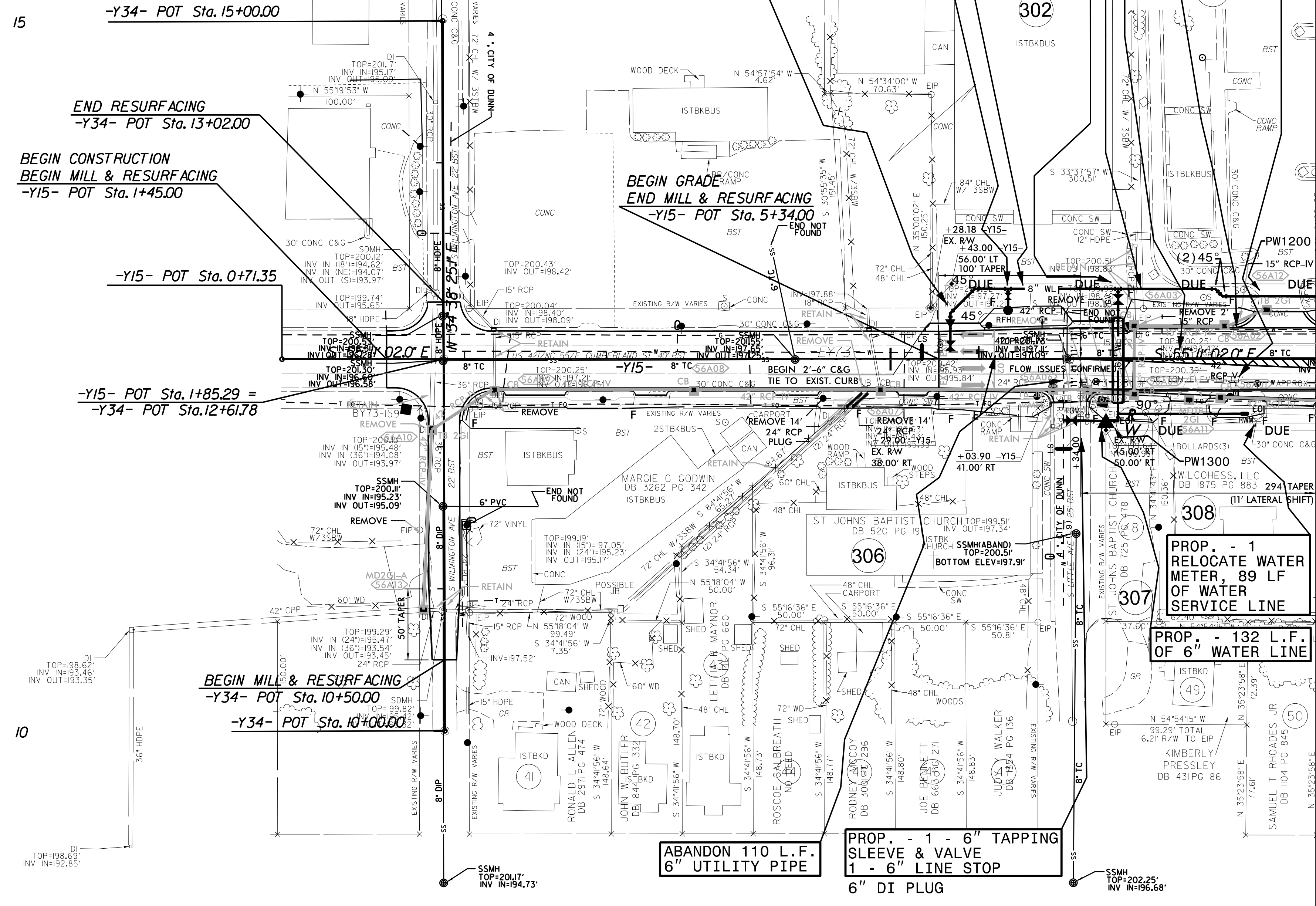
REVISIONS

1. 5/17/2021 - REVISED PW1200 AND PW1300 TO MISS EXISTING SPOTS

5/14/99
8/17/99

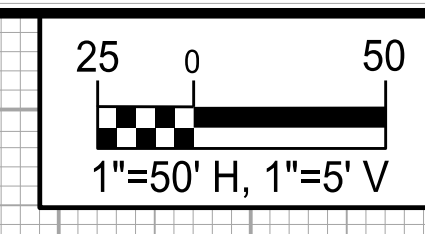
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MATCH TO -Y15- POT Sta. 8 + 00.00 - SHEET UC-13

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,195 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

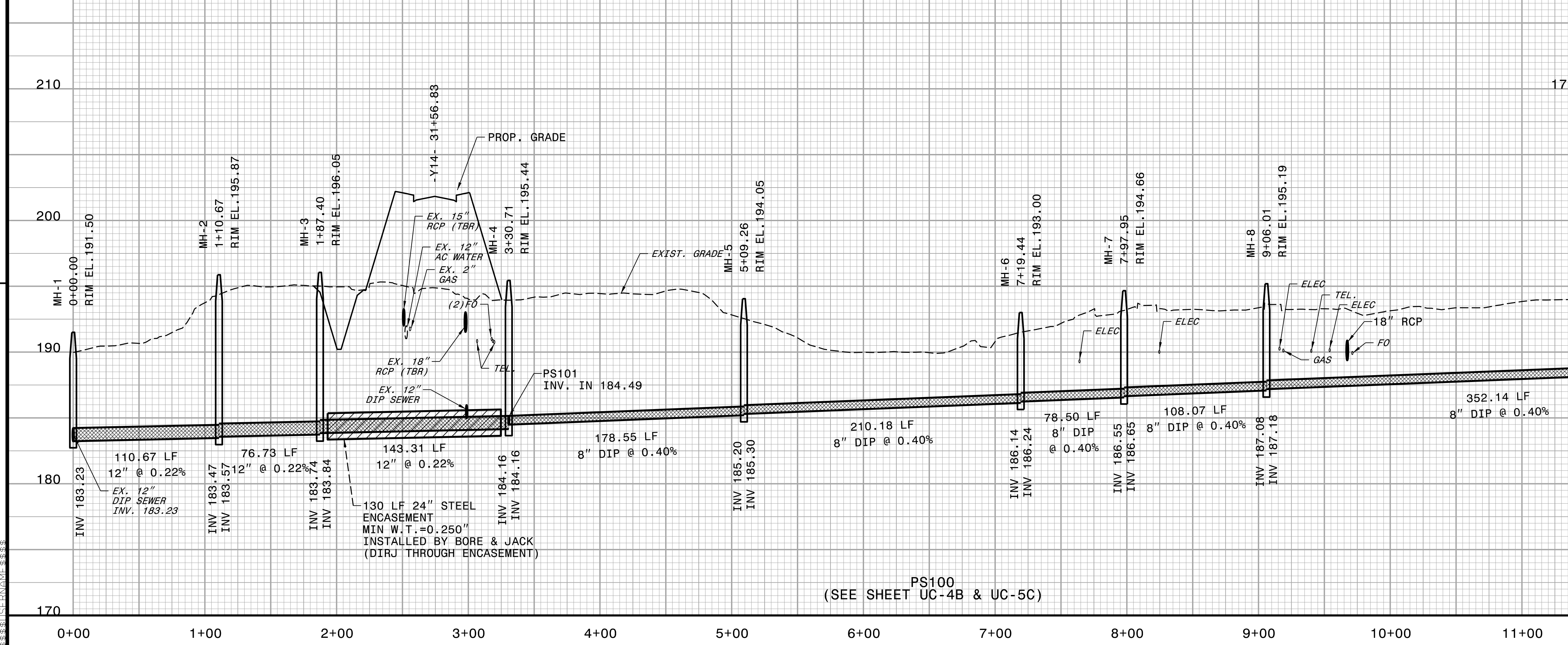
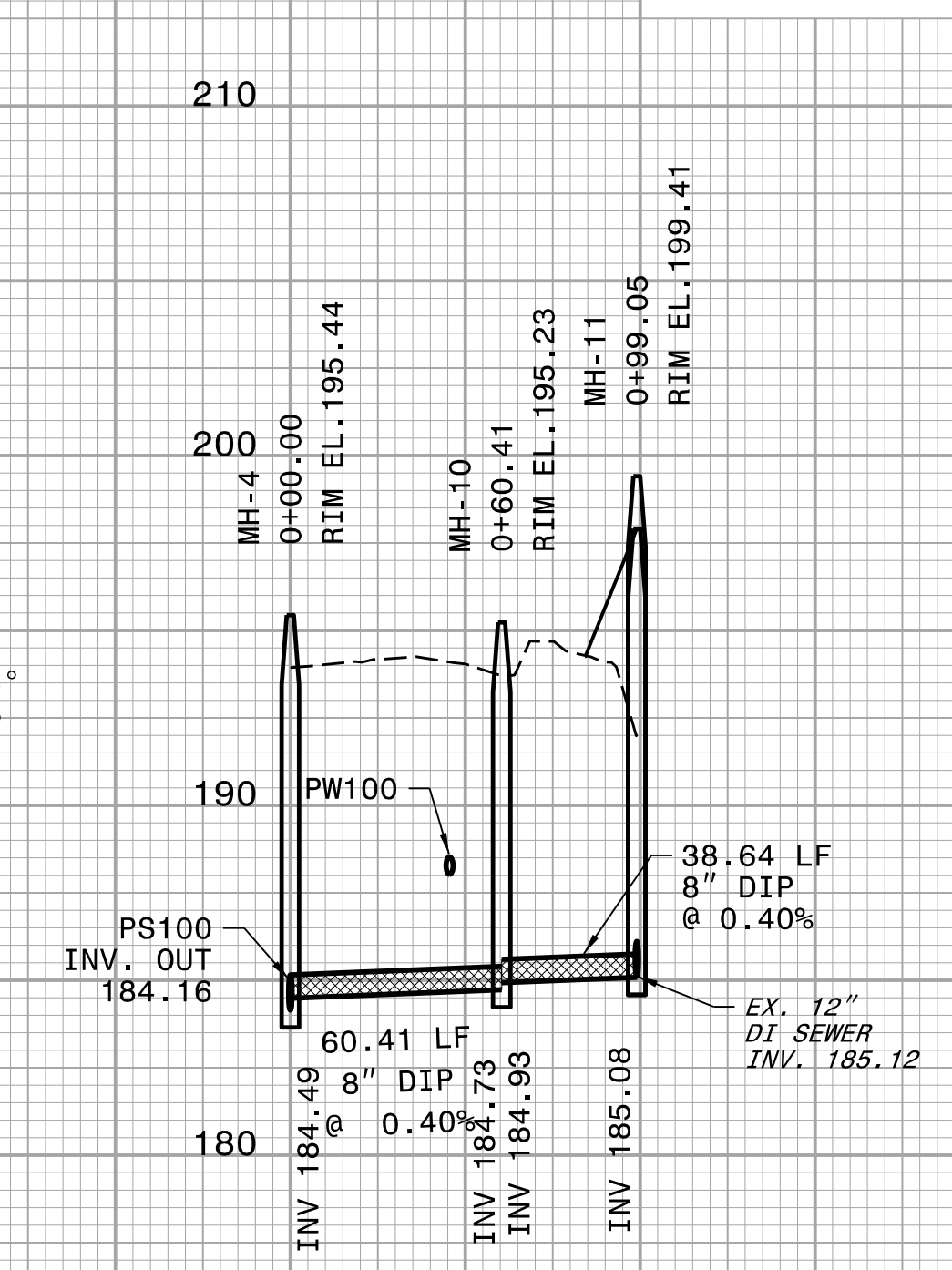
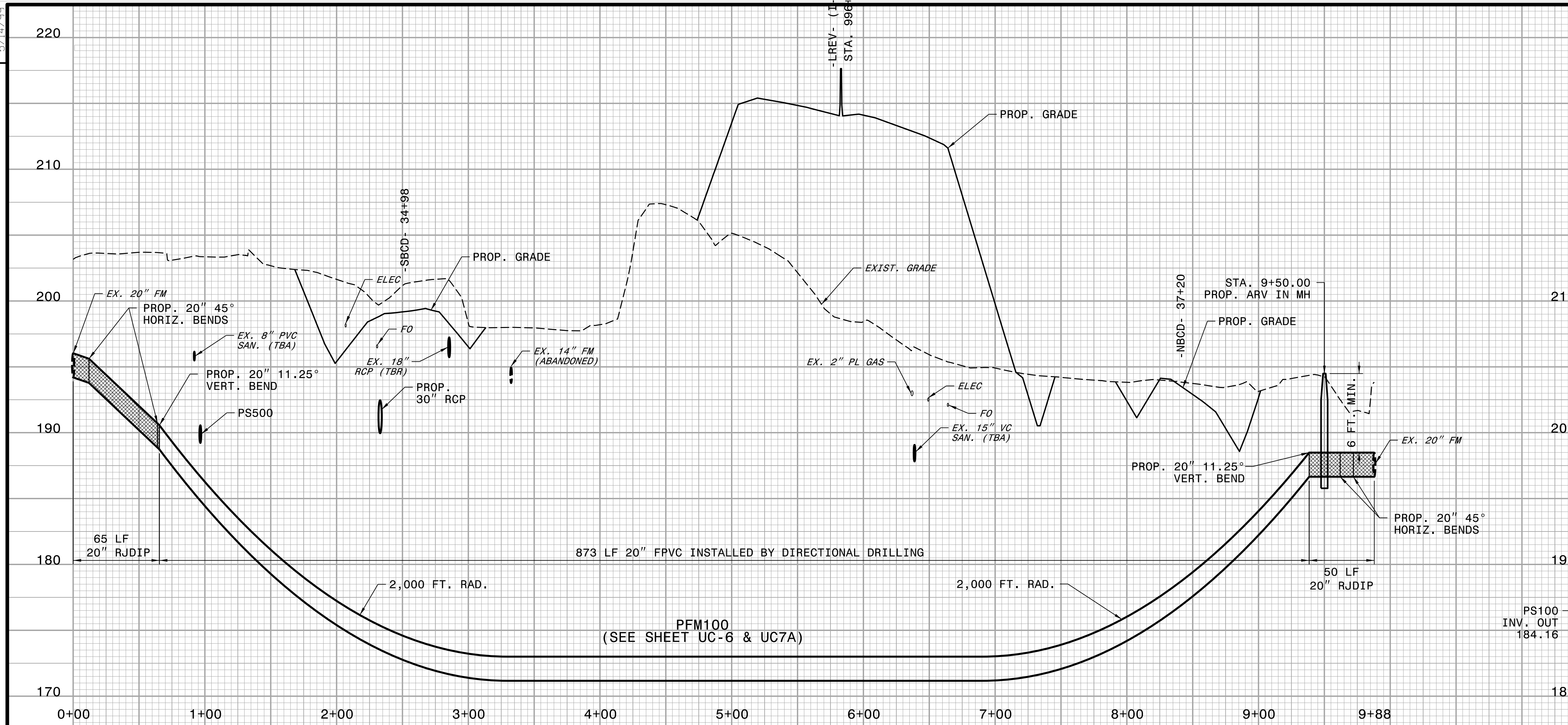


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-17 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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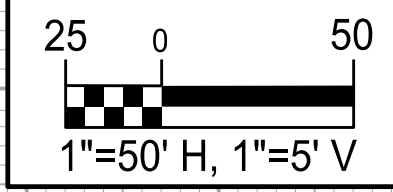
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REVISIONS



PS101 (SEE SHEET UC-5C)

12+00 12+58

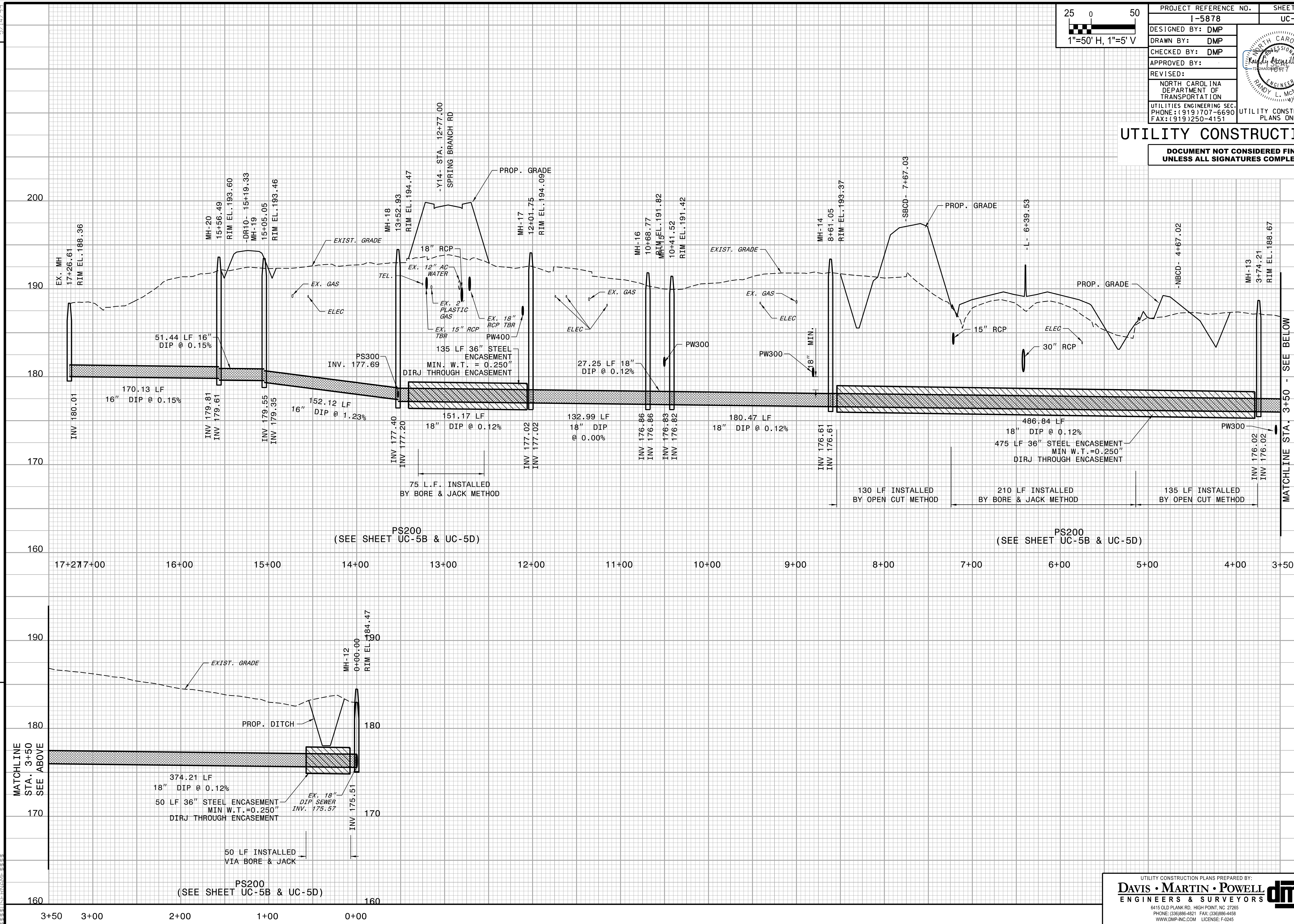


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-18 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
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REVISIONS

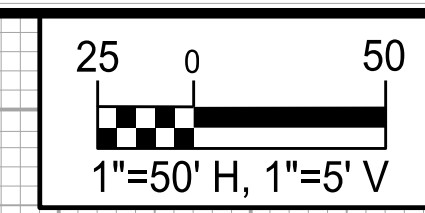


MATCHLINE STA. 3+50 - SEE BELOW

MATCHLINE STA. 3+50 SEE ABOVE

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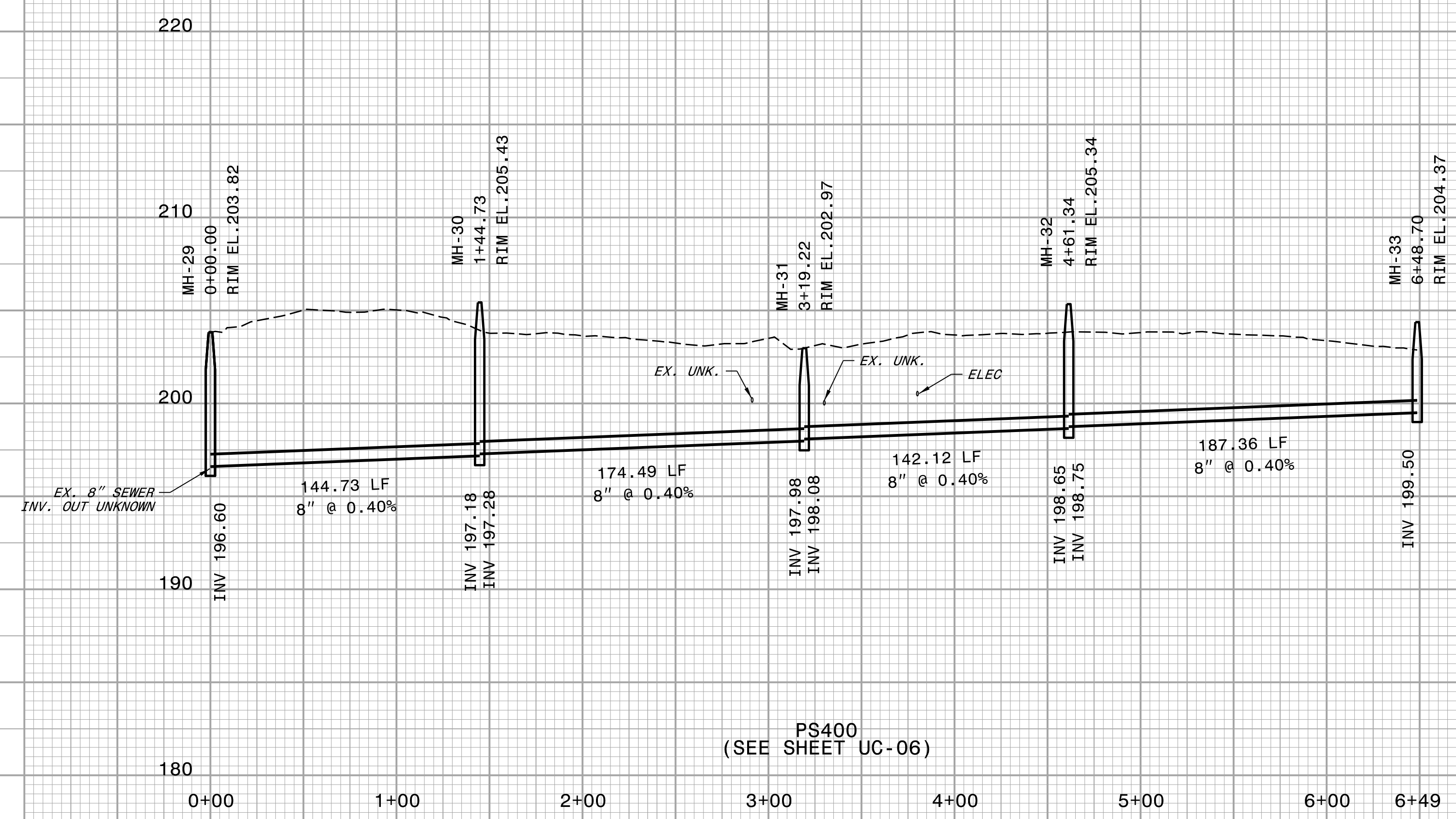
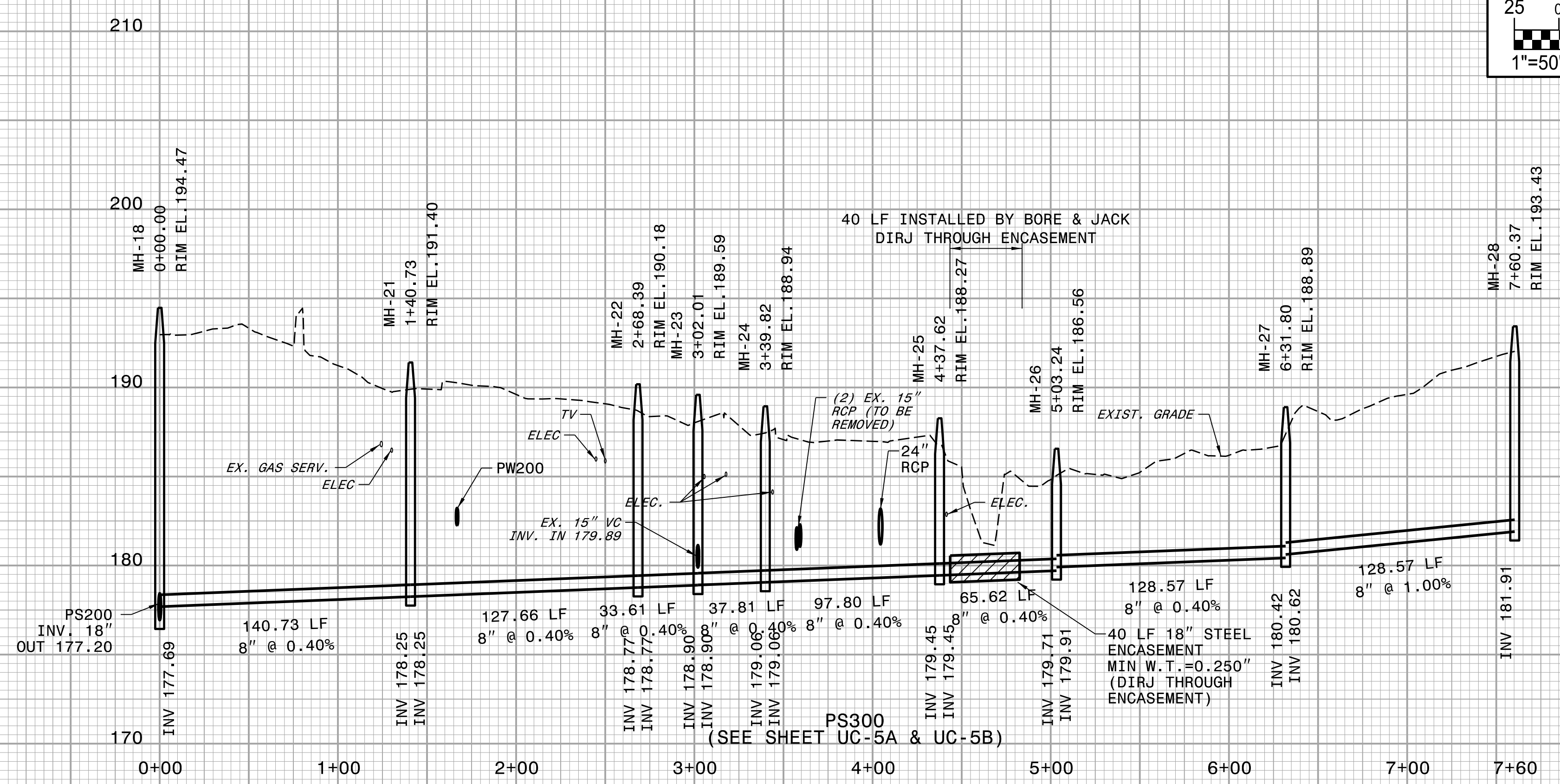


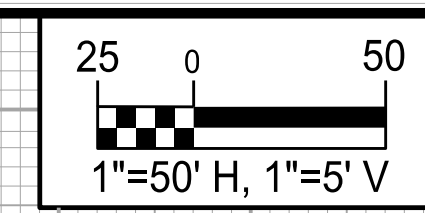
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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-19 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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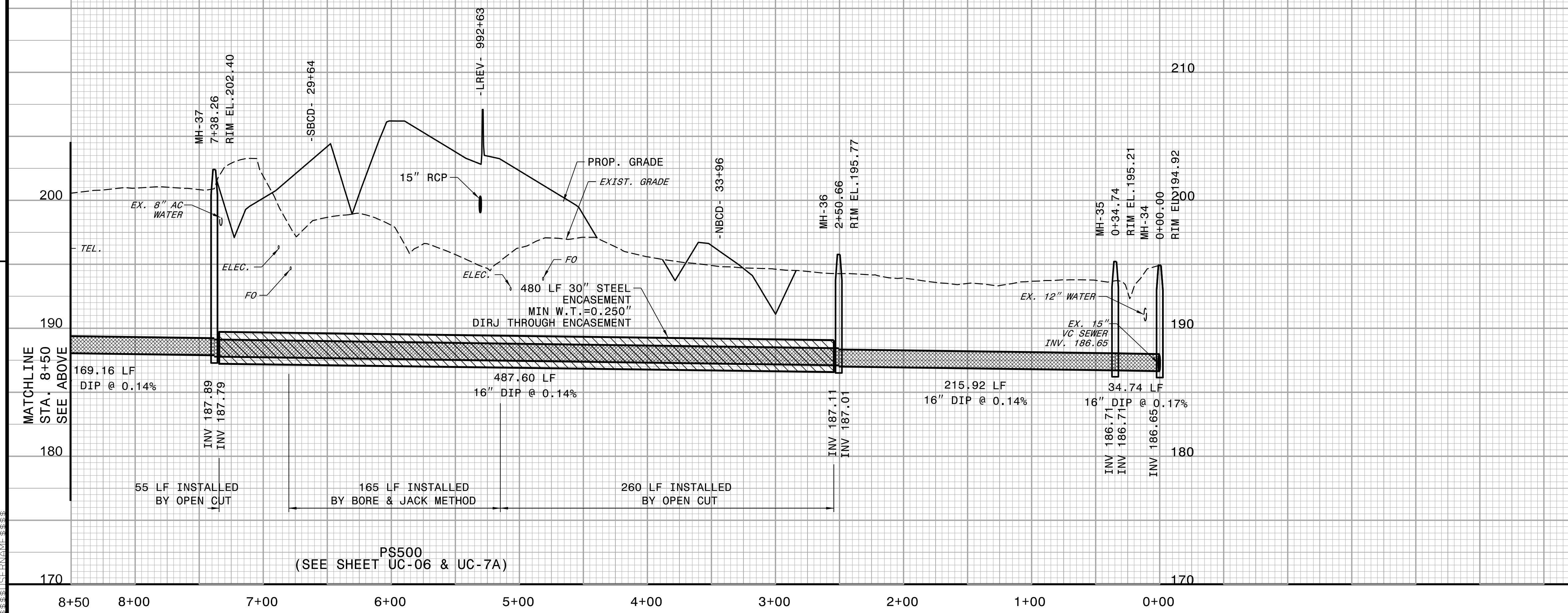
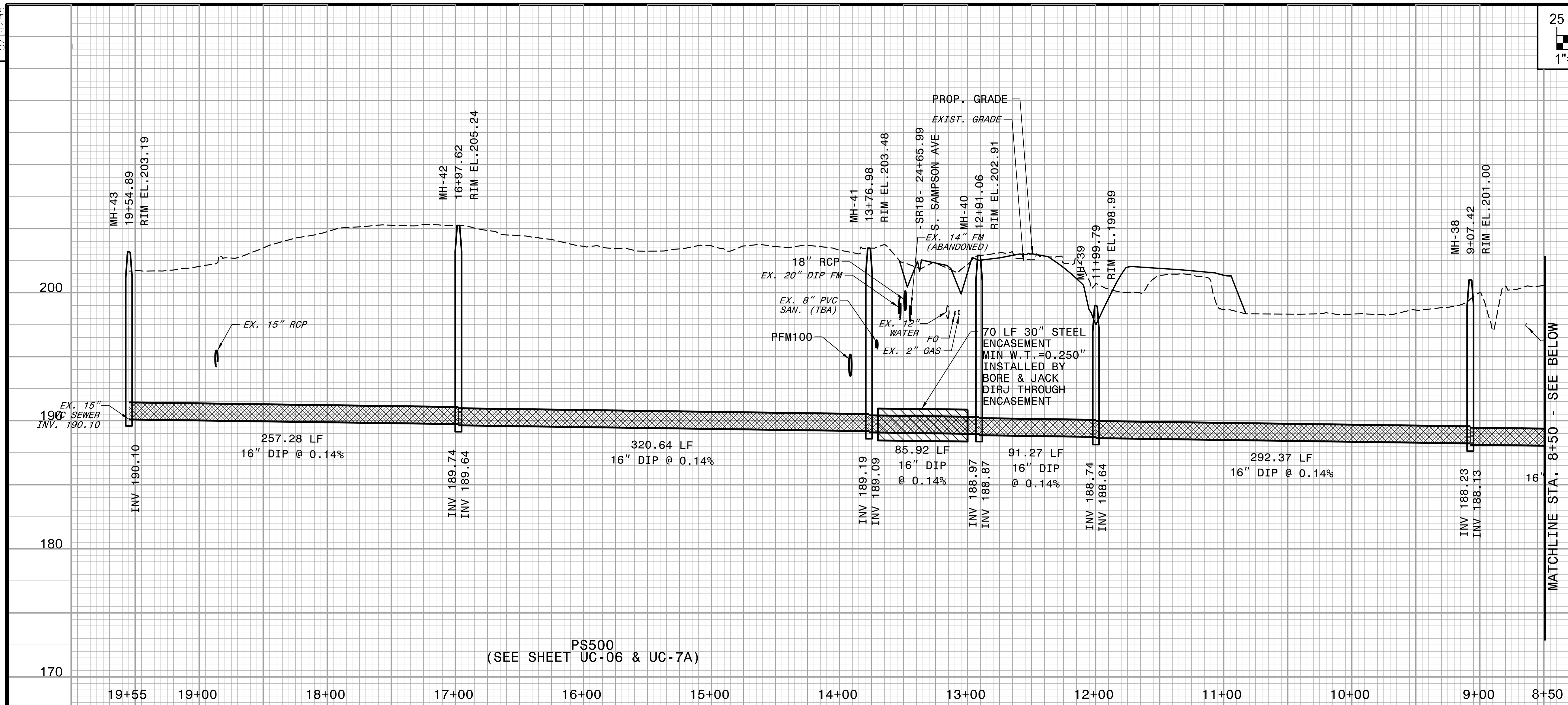


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-20 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
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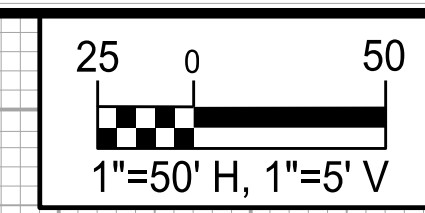
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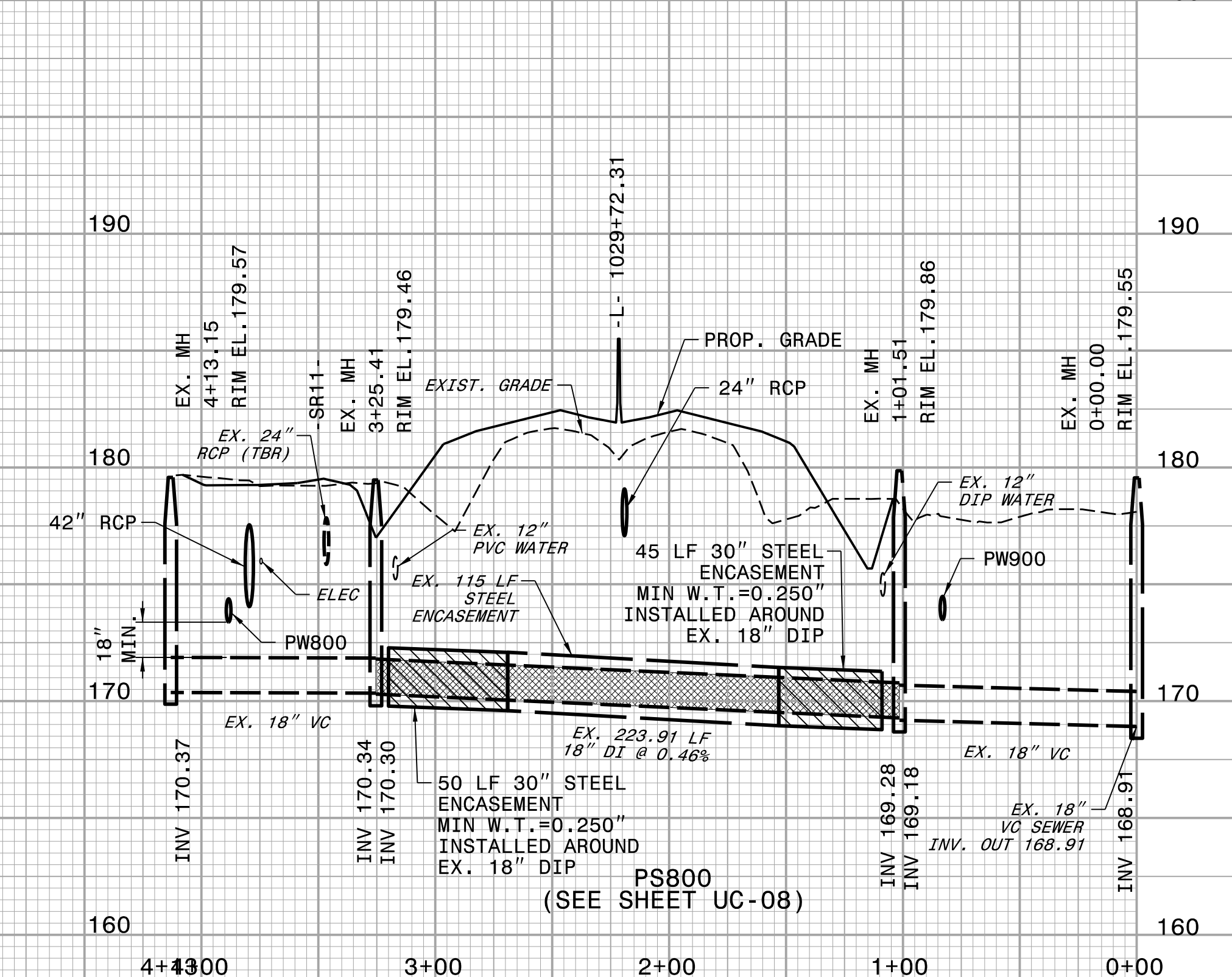
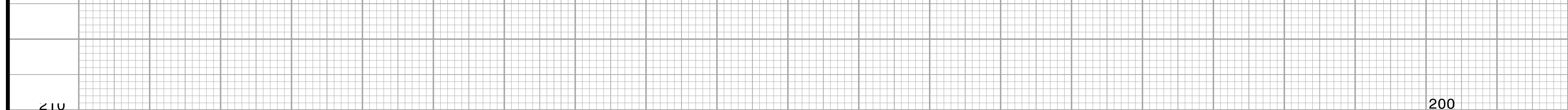
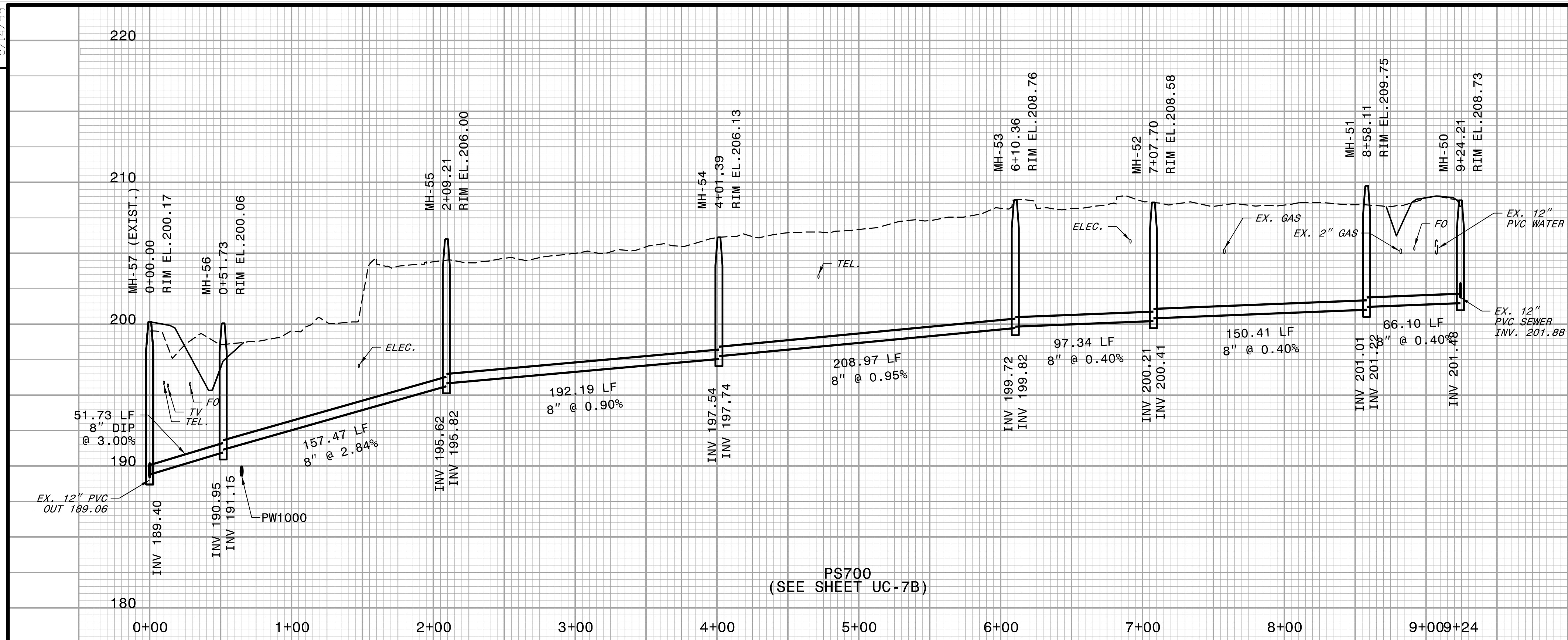


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-21 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

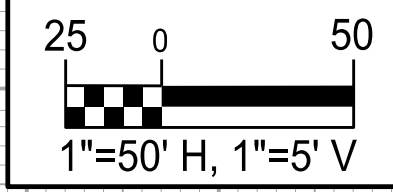
UTILITY CONSTRUCTION

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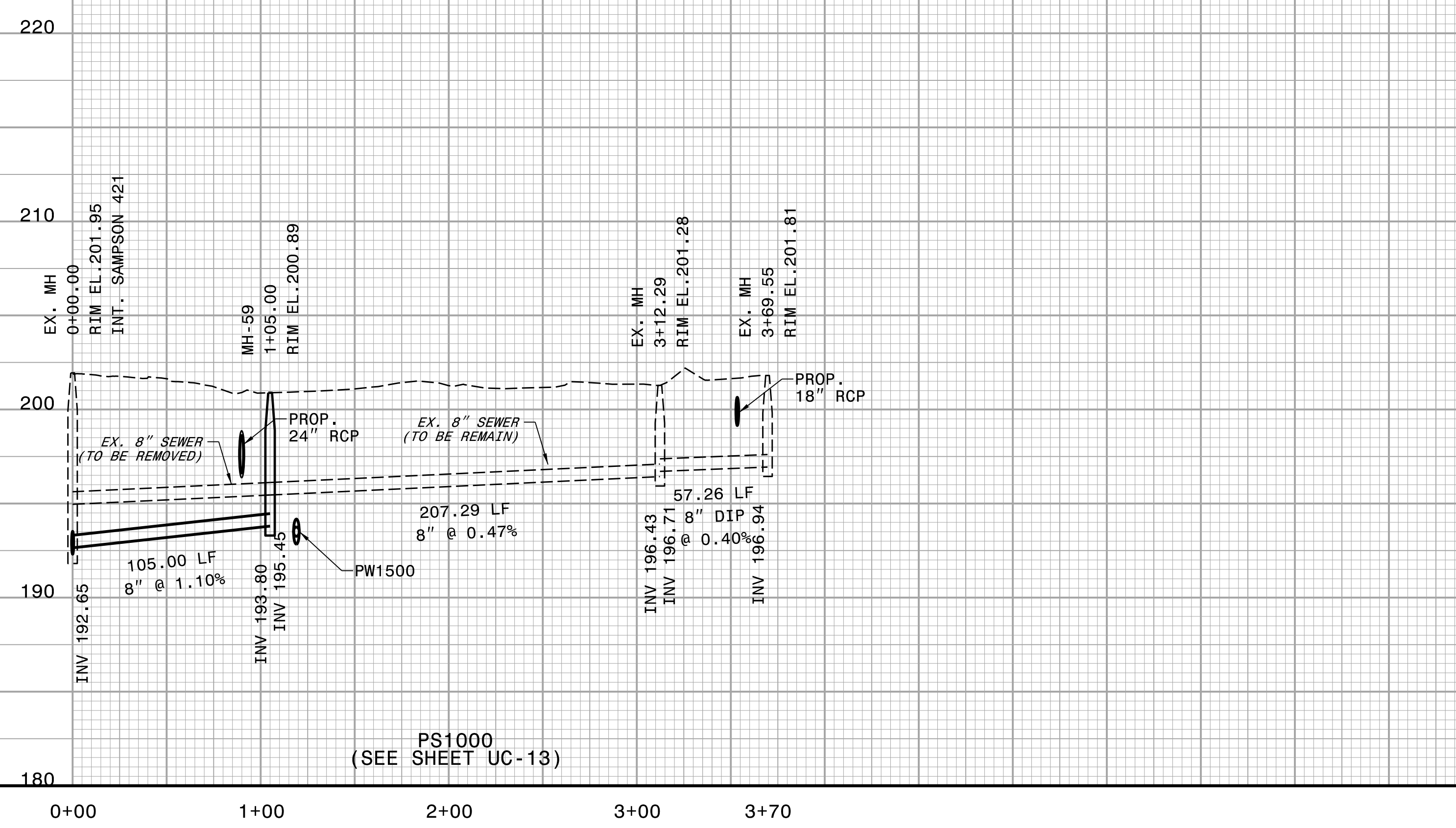
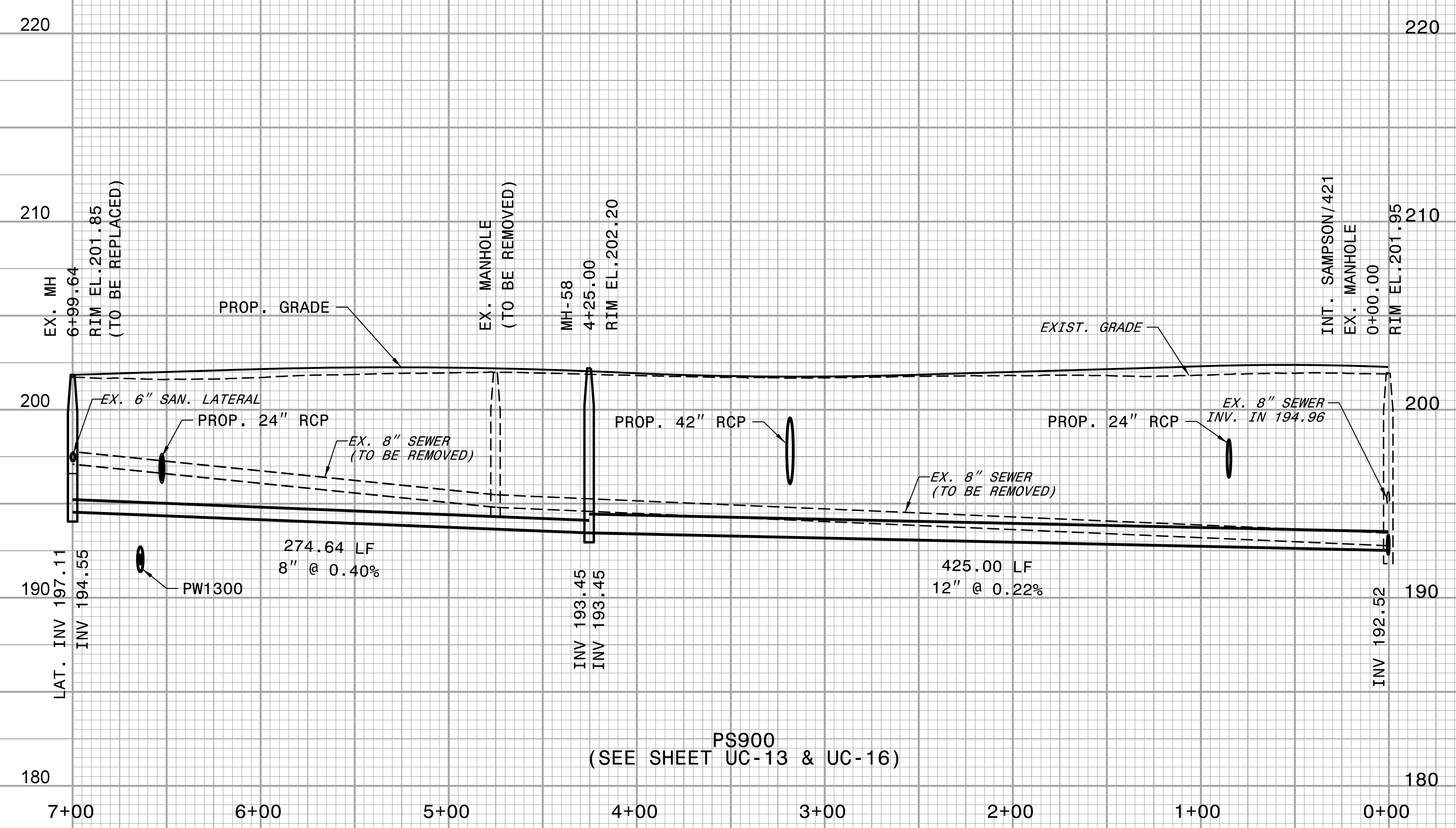


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-22 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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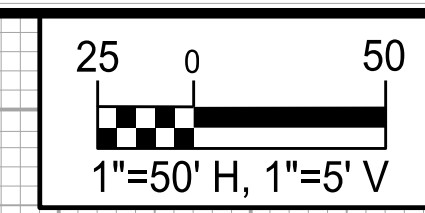
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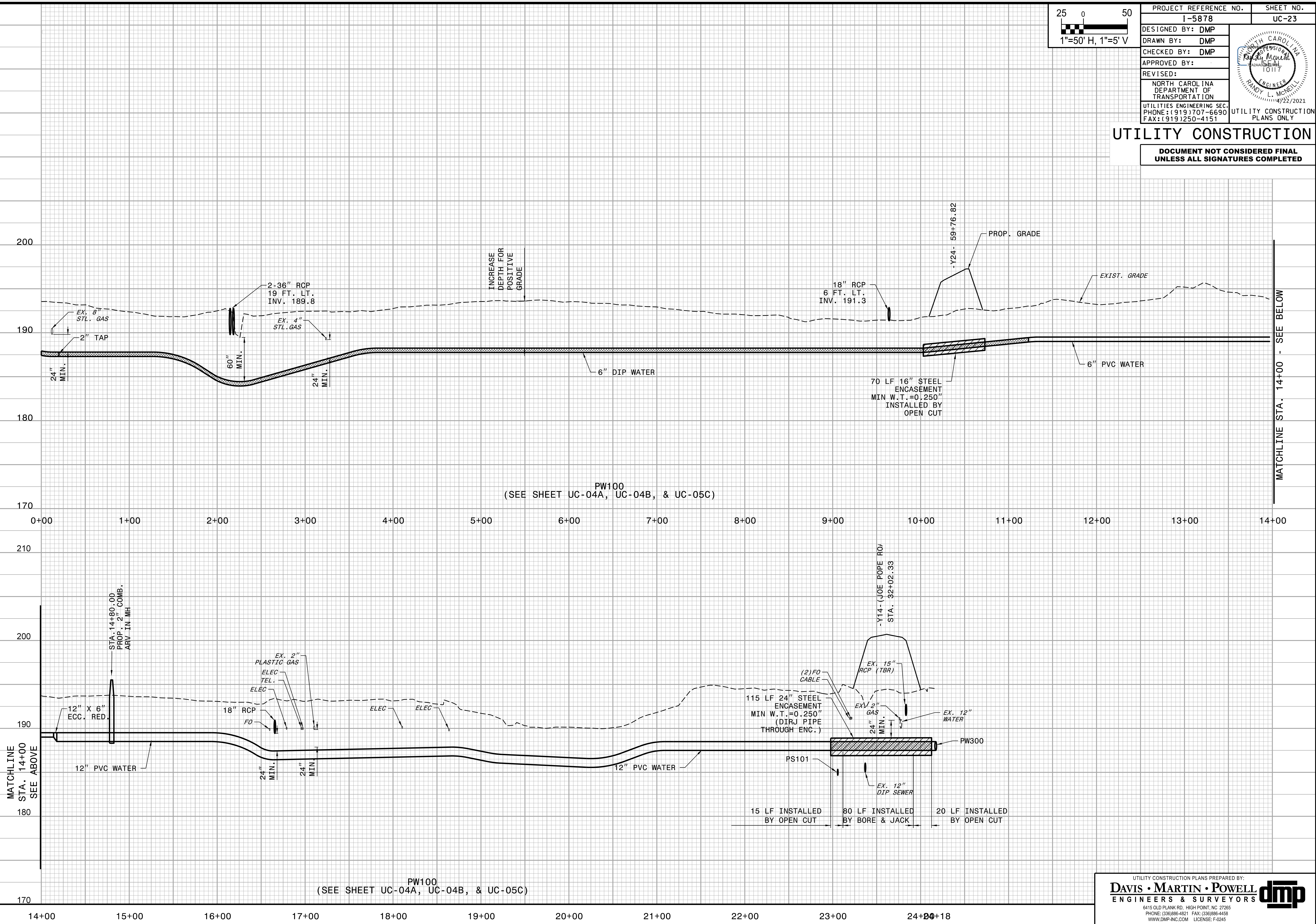


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| PROJECT REFERENCE NO. I-5878 | SHEET NO. UC-23 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
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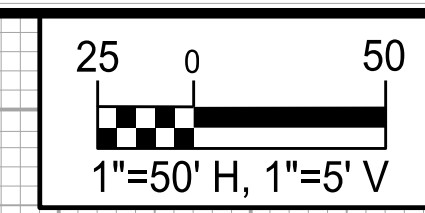
REVISIONS



PW100
(SEE SHEET UC-04A, UC-04B, & UC-05C)

PW100
(SEE SHEET UC-04A, UC-04B, & UC-05C)

5/14/2021

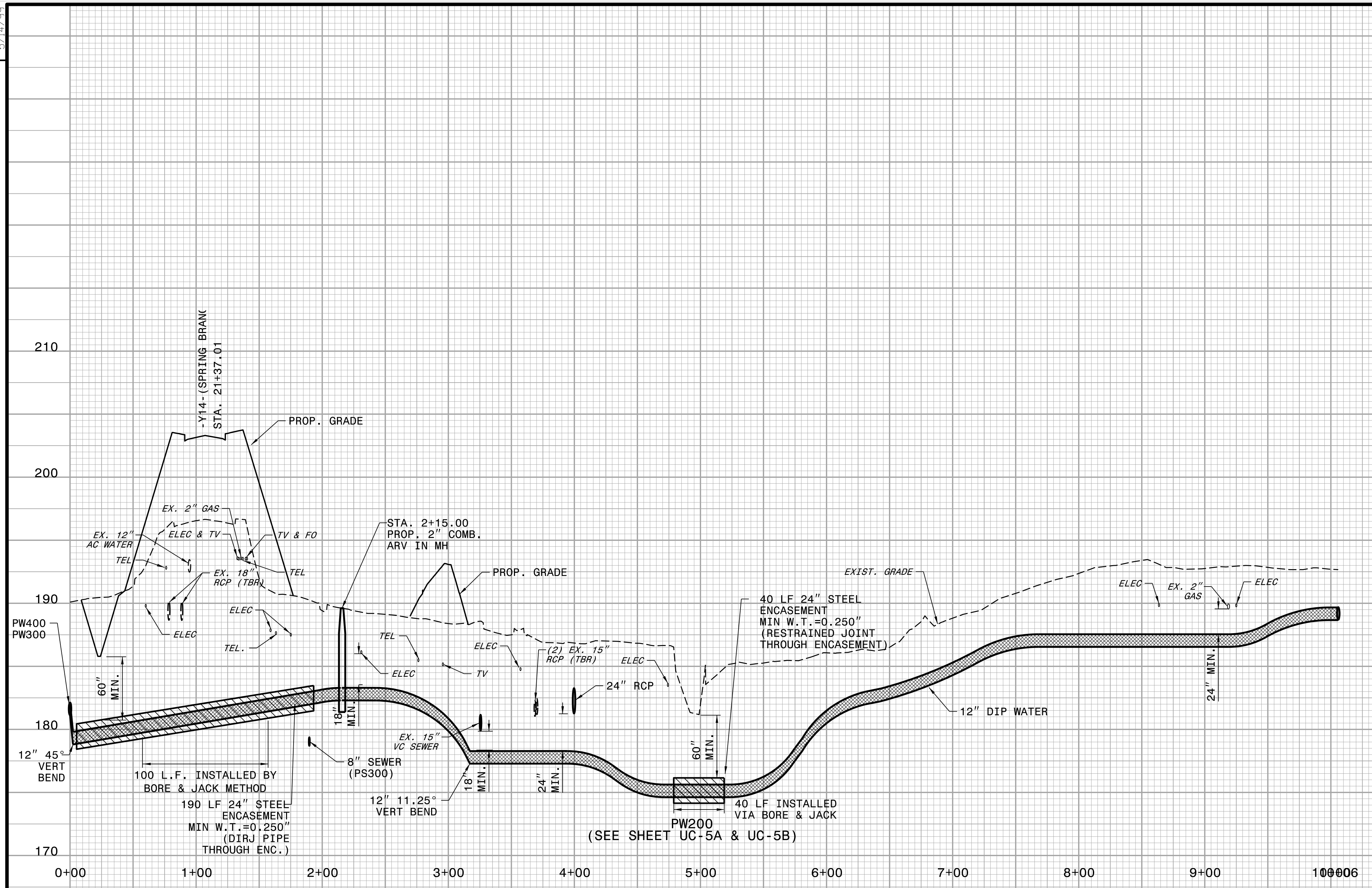


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-24 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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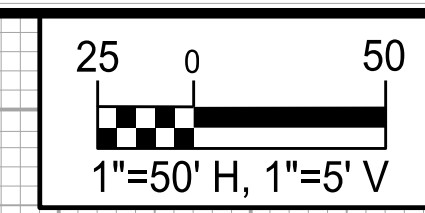
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REVISIONS



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5/14/99

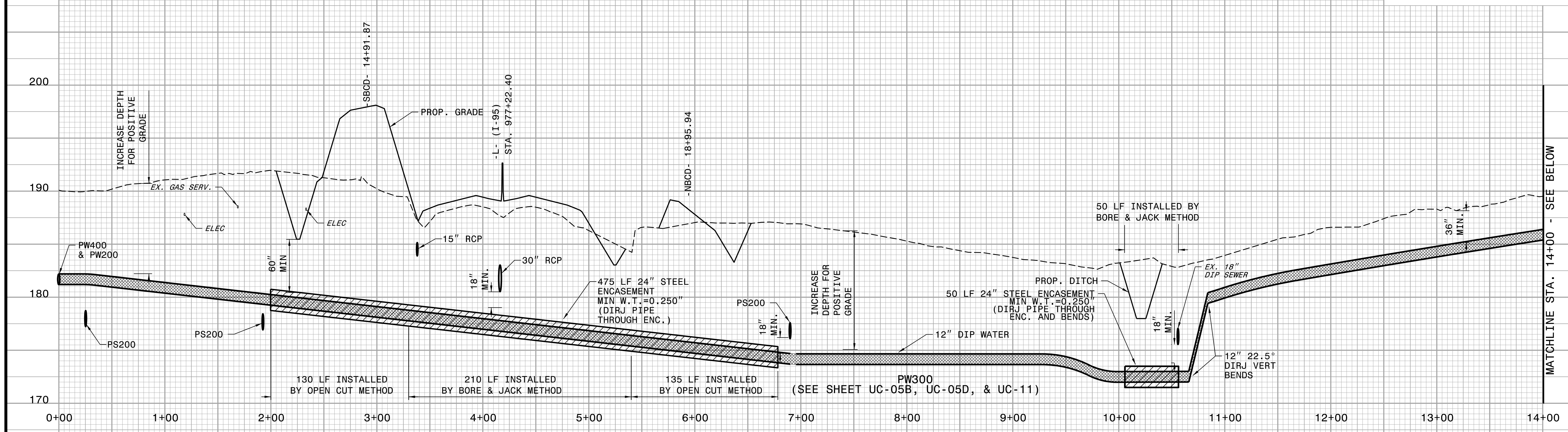


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| PROJECT REFERENCE NO. I-5878 | SHEET NO. UC-25 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISER: | |
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26+00 27+00 28+00

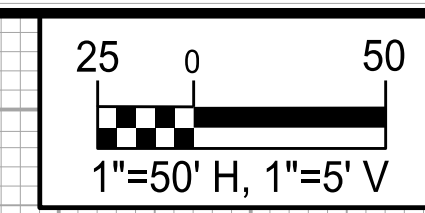
PW300 (SEE SHEET UC-05B, UC-05D, & UC-11)

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DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

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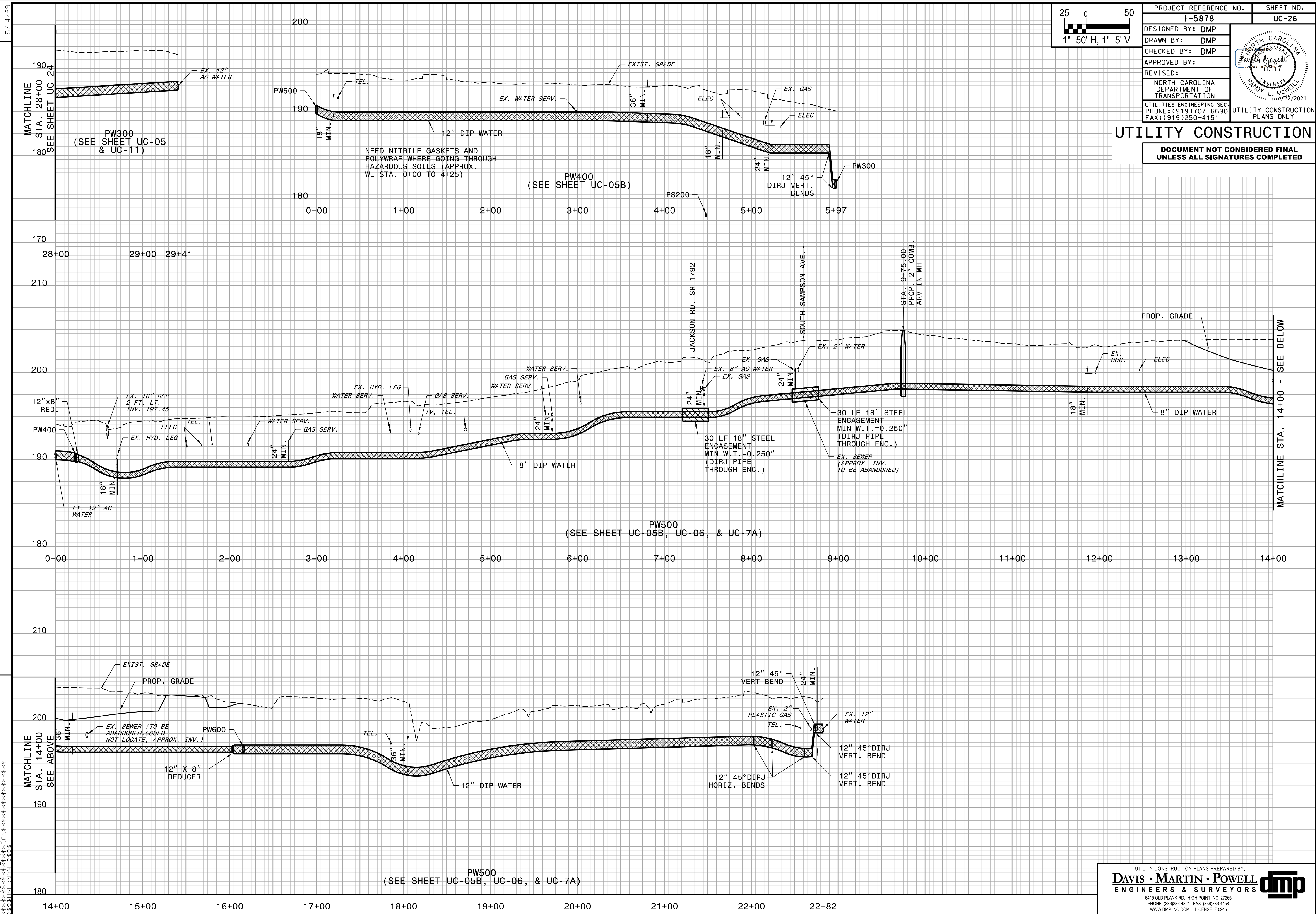


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-26 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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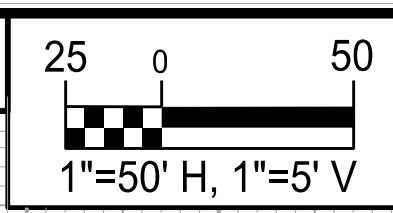
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REVISIONS



5/14/2021

PW600 IS OWNED BY THE CITY OF DUNN.
PW700 IS OWNED BY HRW.

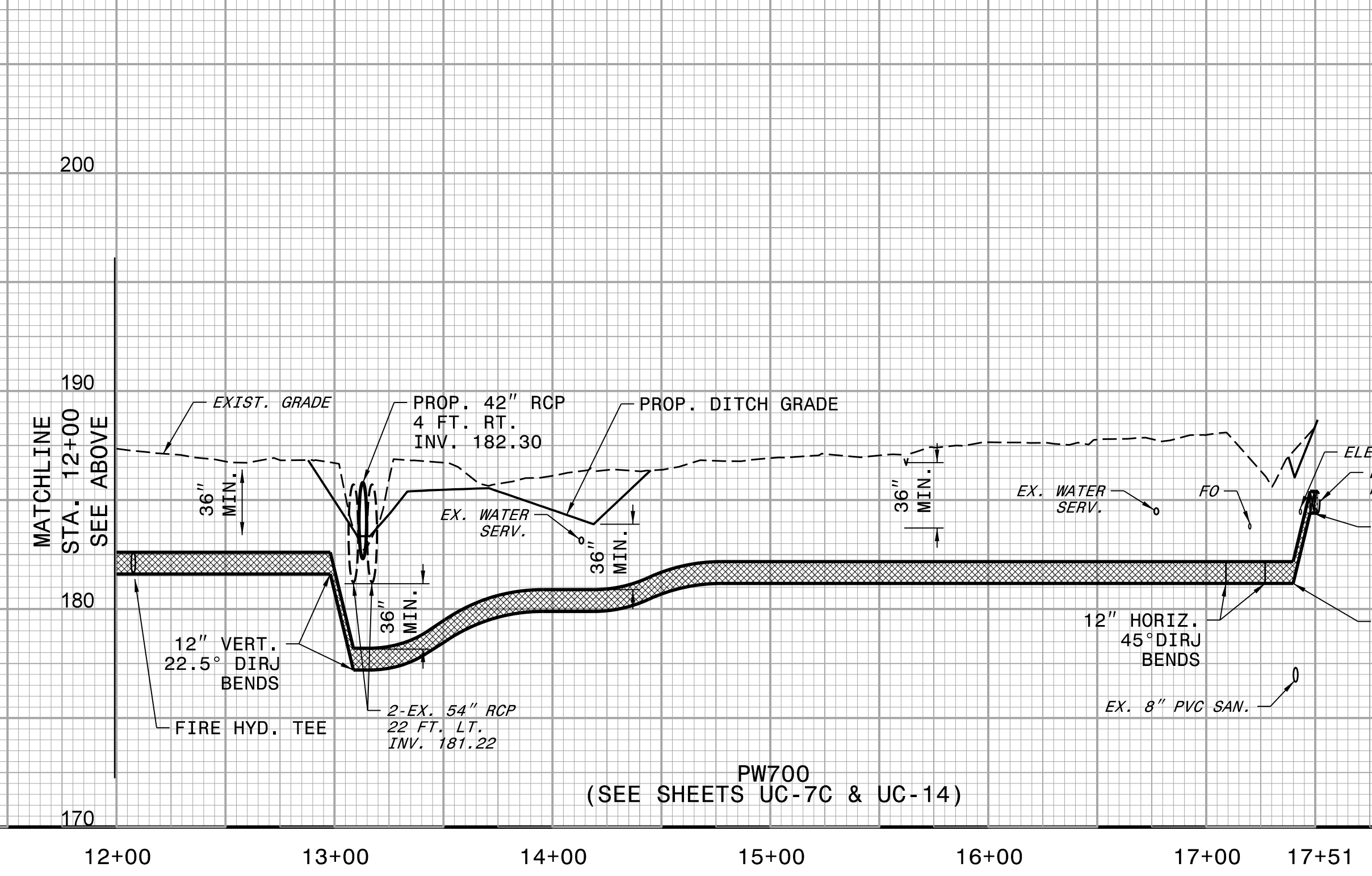
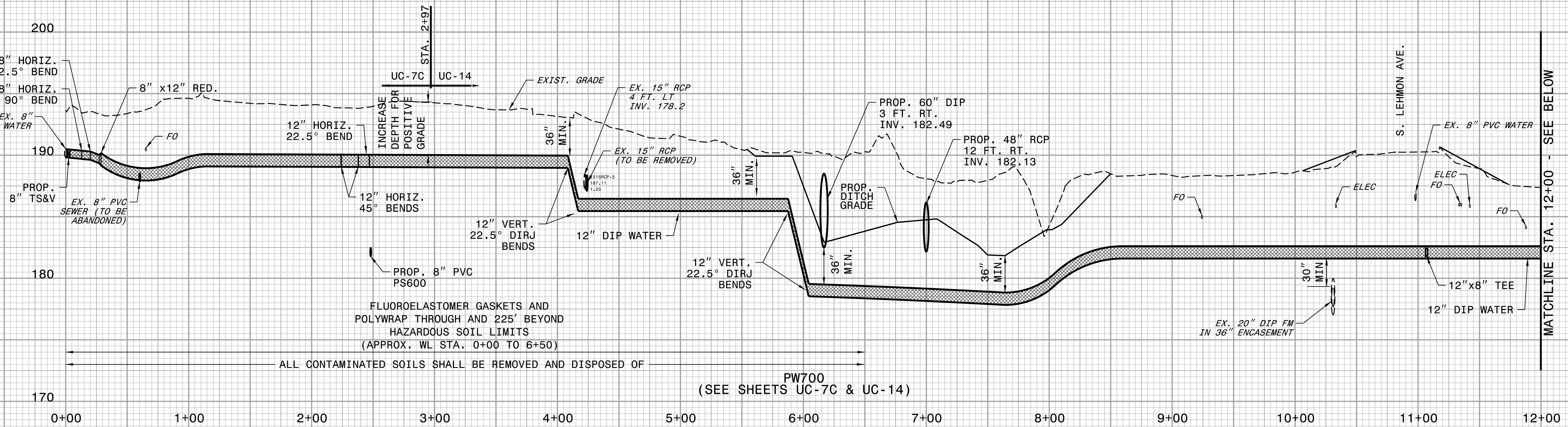
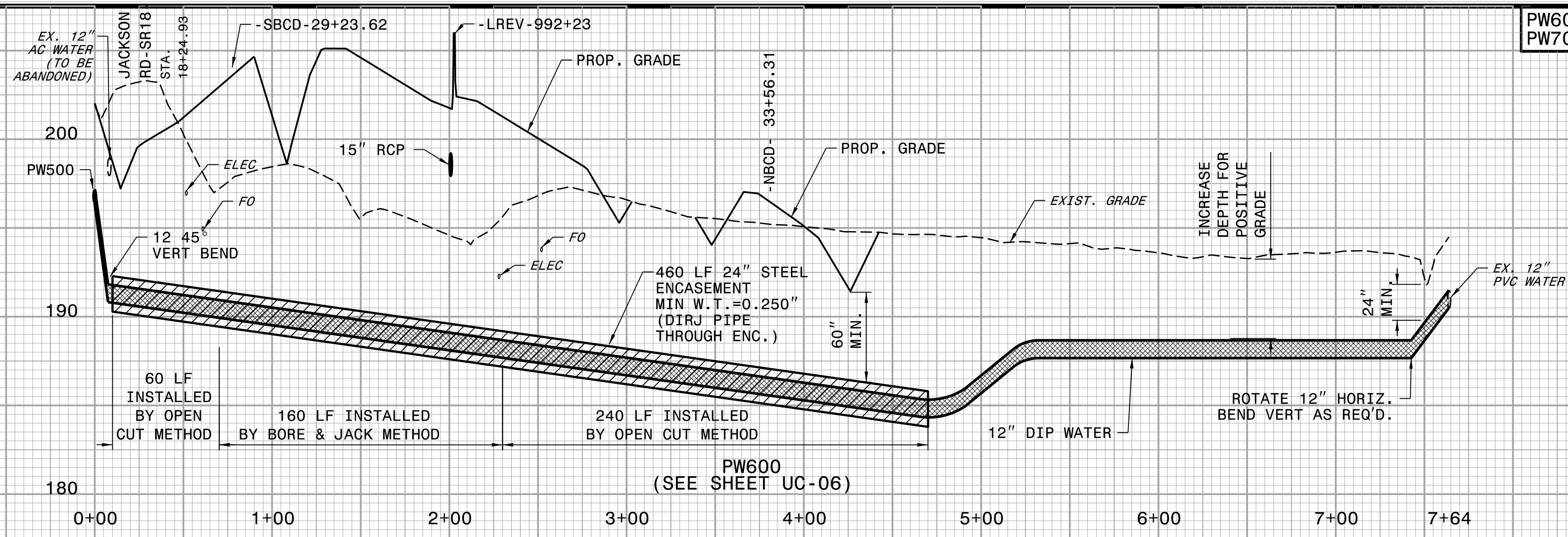


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-27 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
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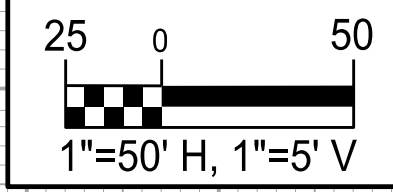
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
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1. 06/21/2021 - ADDED FLUOROELASTOMER GASKETS TO PW700 FROM STA. 0+00 TO 6+50.



5/14/20



| | |
|---|--------------------|
| PROJECT REFERENCE NO. I-5878 | SHEET NO. UC-28 |
| DESIGNED BY: DMP | |
| DRAWN BY: DMP | |
| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
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| UTILITY CONSTRUCTION PLANS ONLY | |

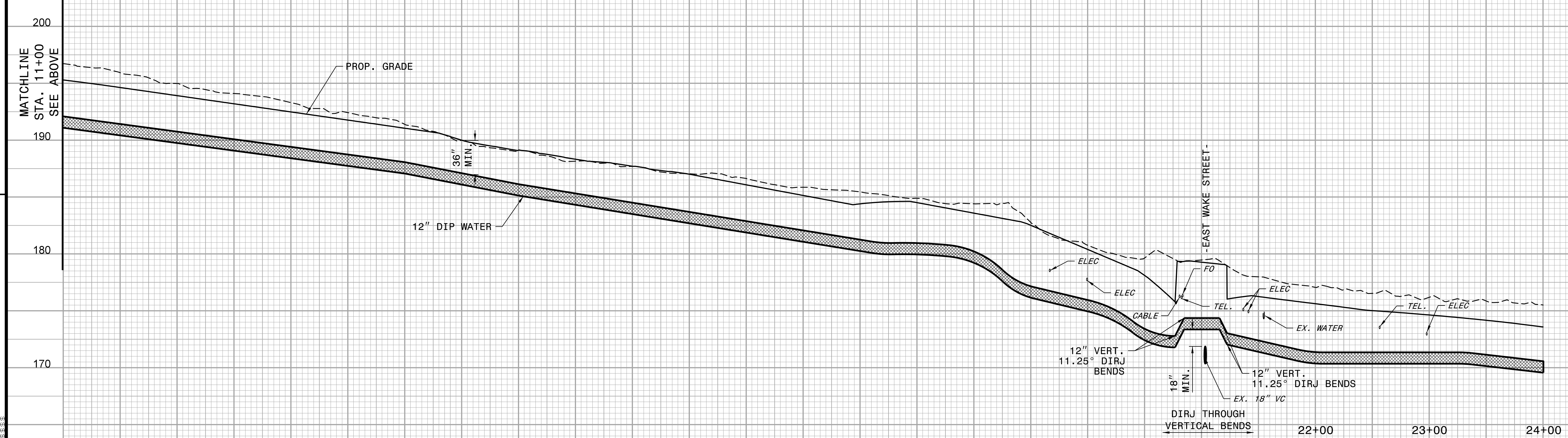
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REVISIONS



PW800
(SEE SHEET UC-07 & UC-08)



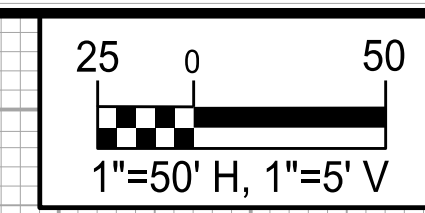
PW800
(SEE SHEET UC-7B & UC-08)

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL

ENGINEERS & SURVEYORS

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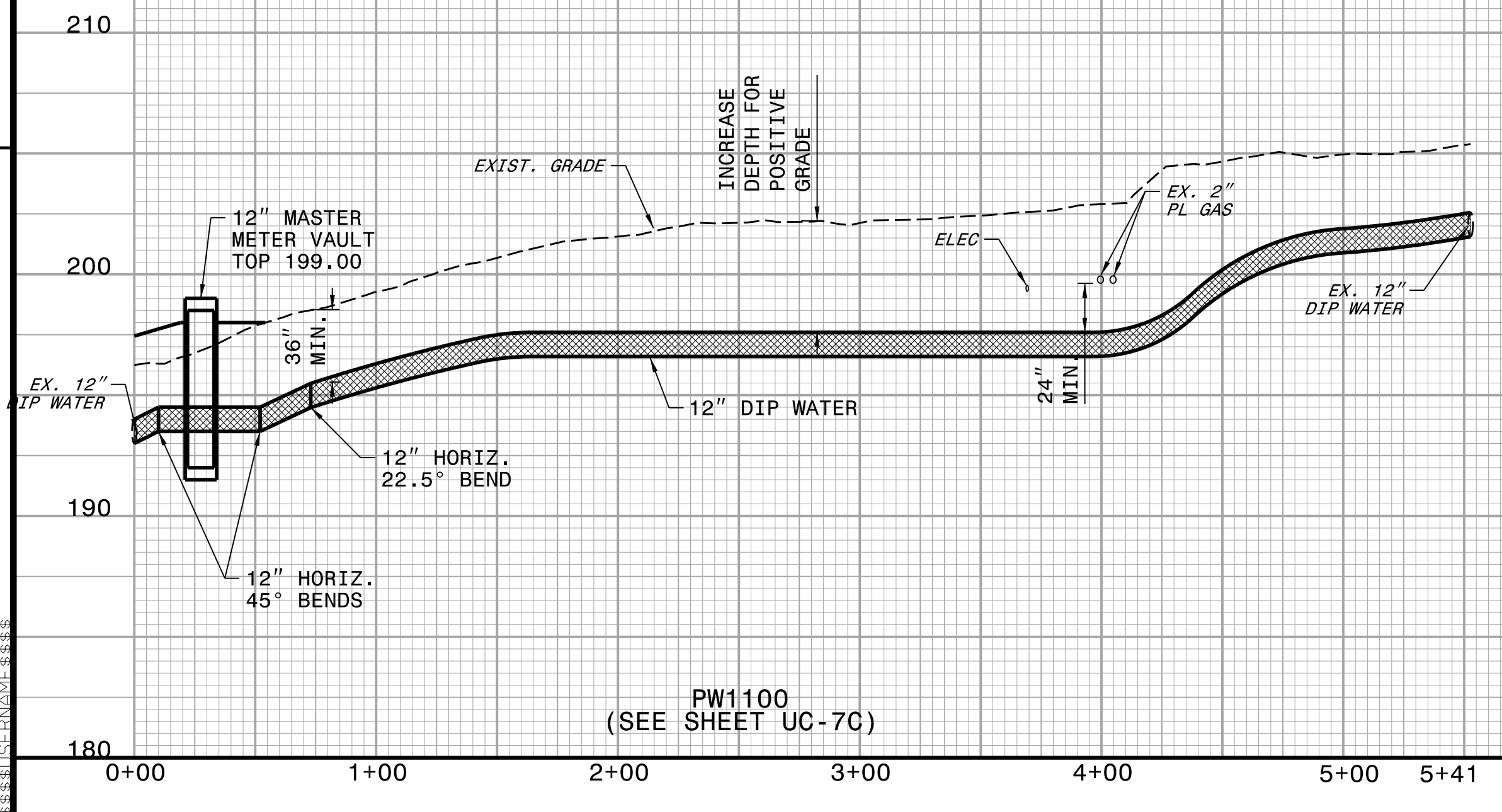
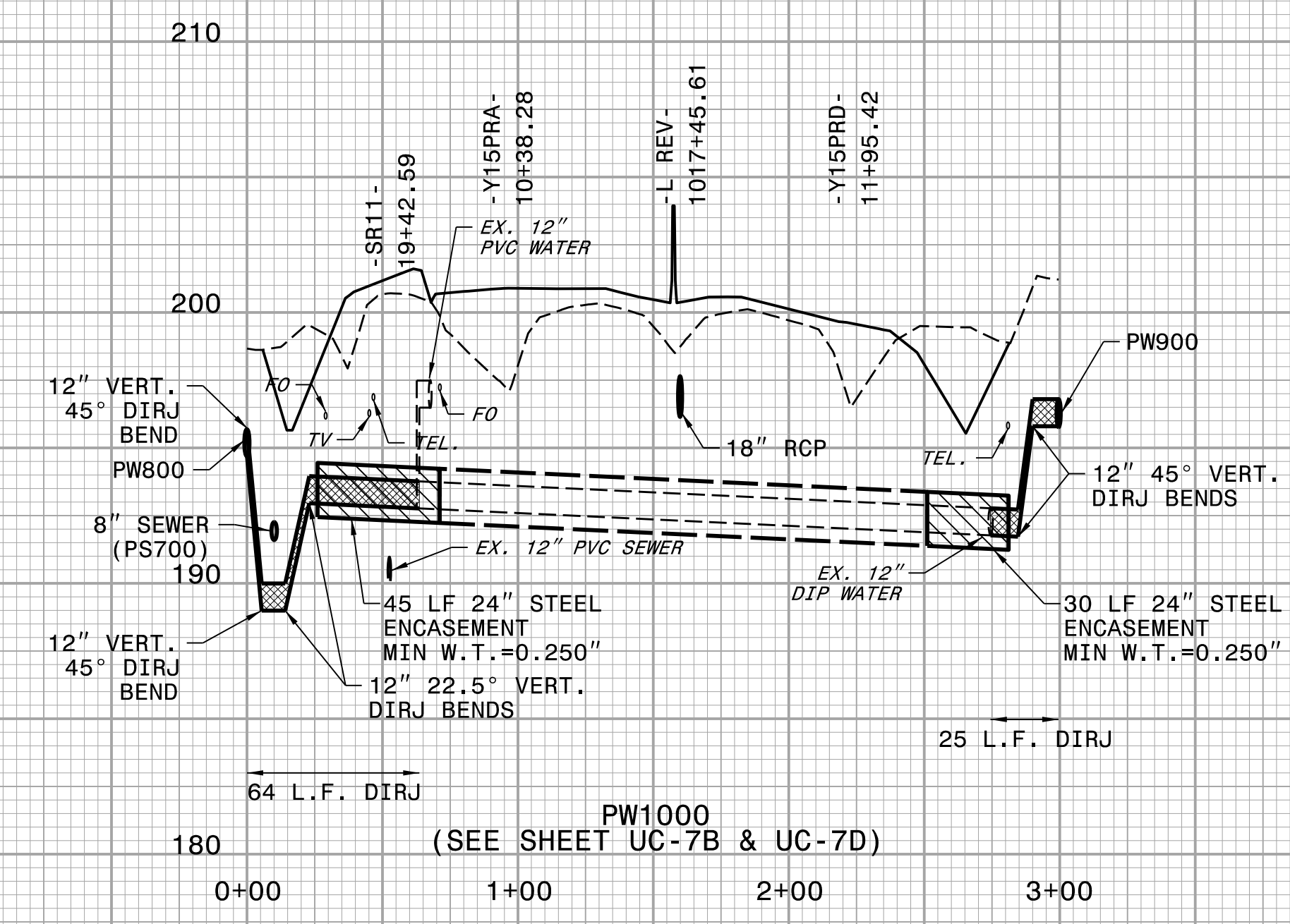
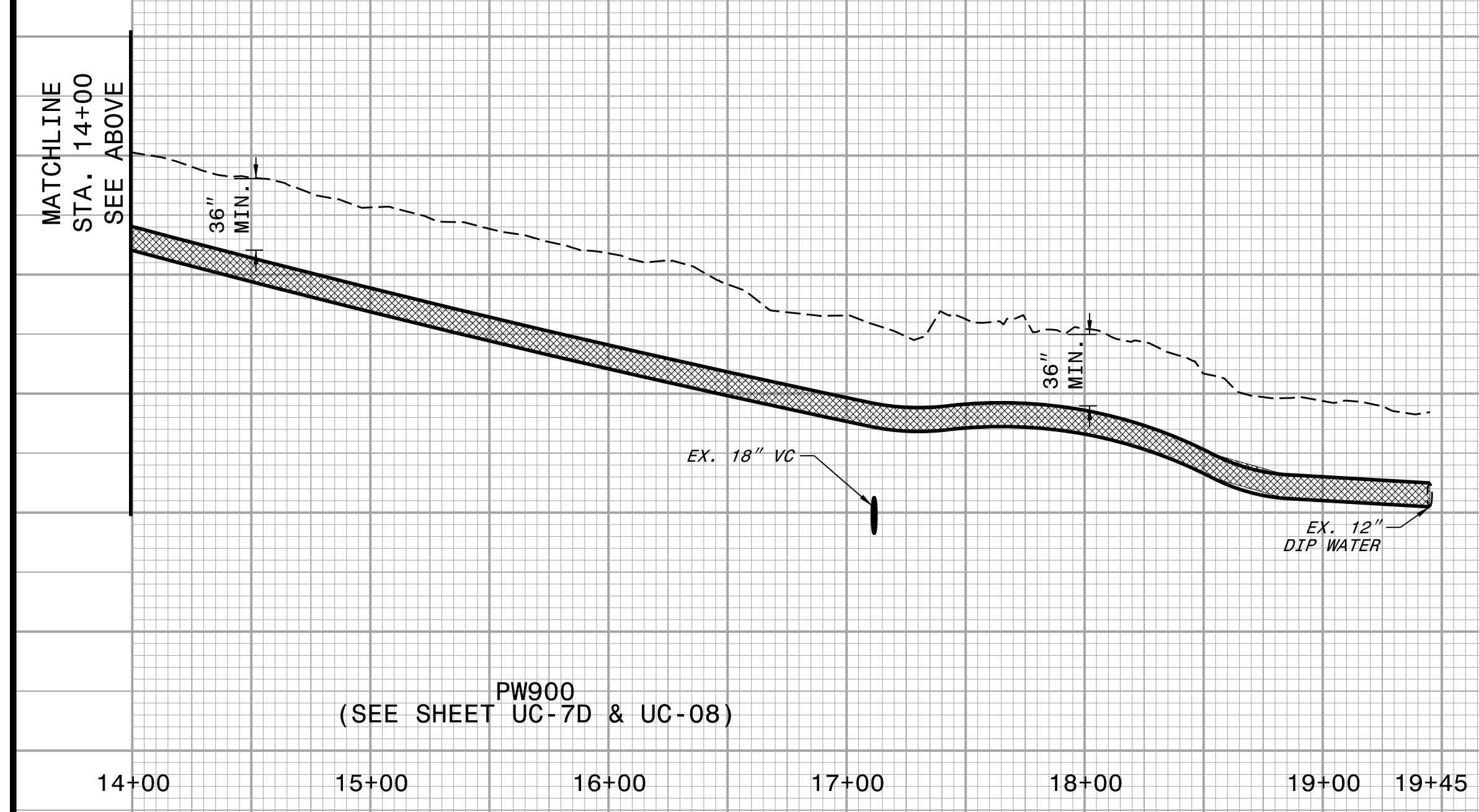
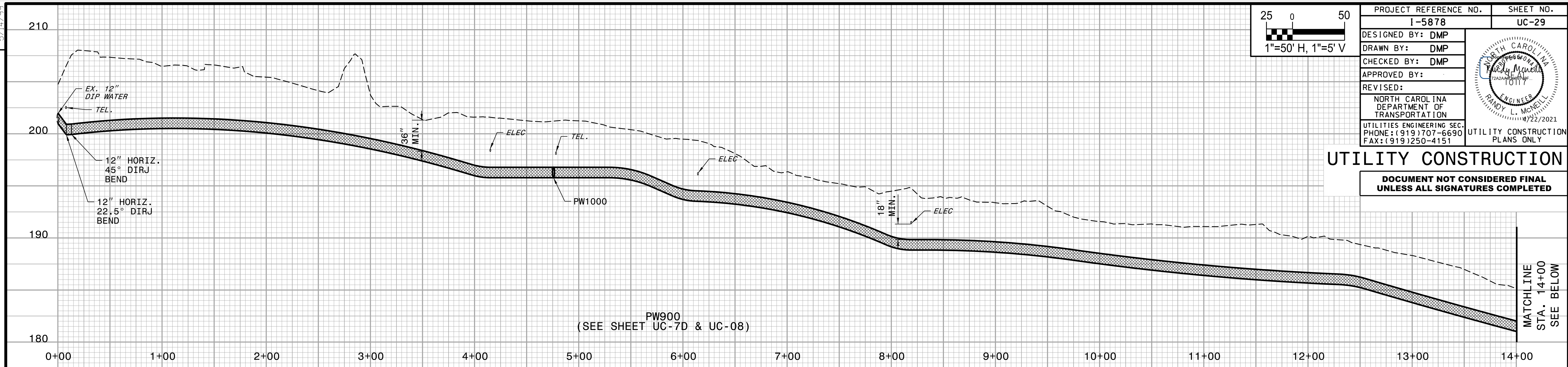


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| PROJECT REFERENCE NO. | SHEET NO. |
| I-5878 | UC-29 |
| DESIGNED BY: DMP | |
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| CHECKED BY: DMP | |
| APPROVED BY: | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |

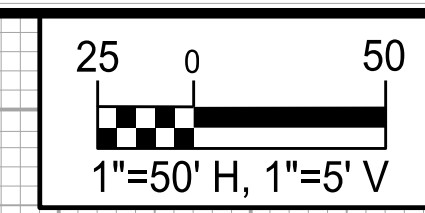
UTILITY CONSTRUCTION

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REVISIONS



5/14/2021



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| PROJECT REFERENCE NO. | SHEET NO. |
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REVISIONS

1. 5/25/2021 - REVISED PW1200 AND PW1500 TO MISS EXISTING SIGNS

