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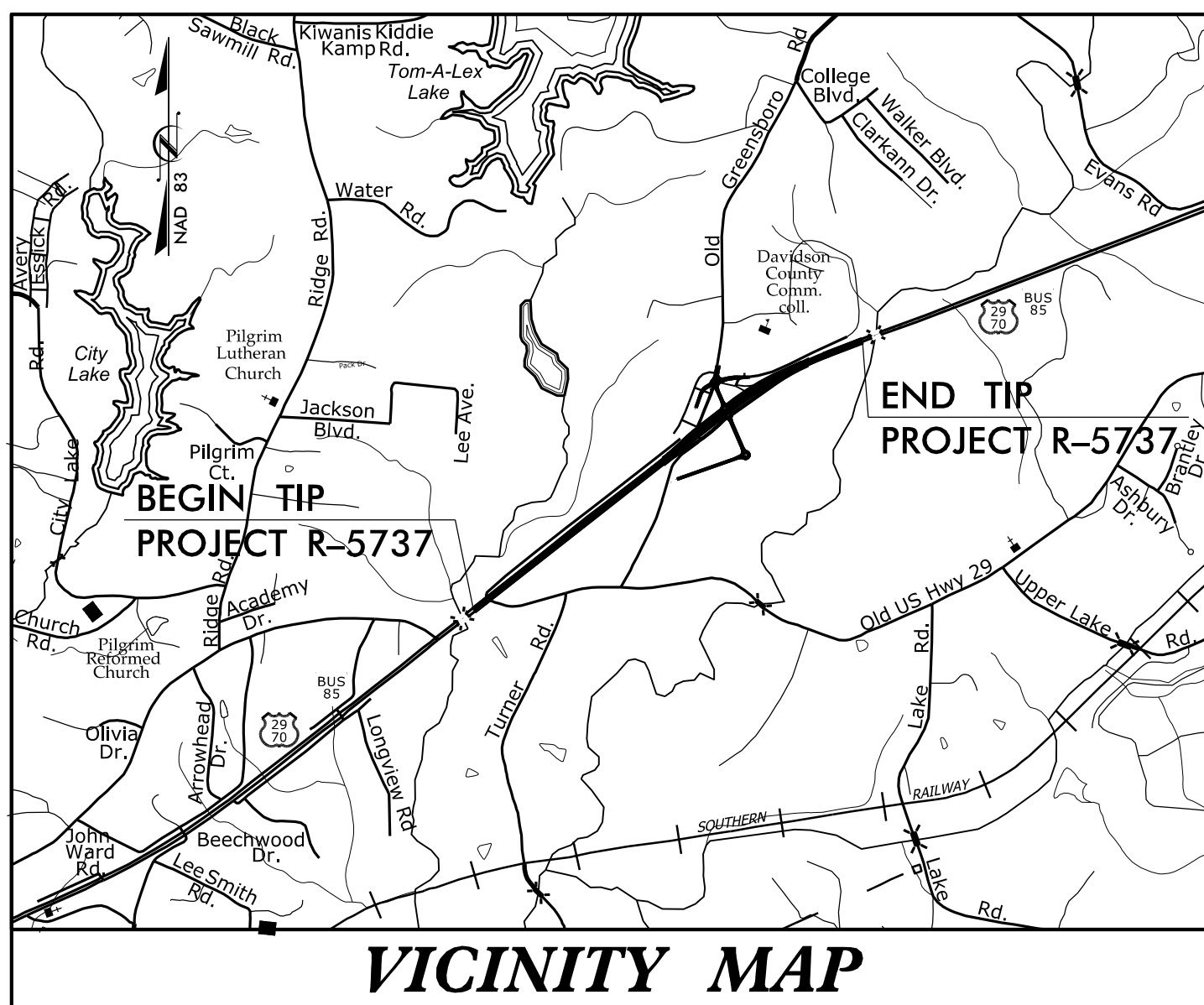
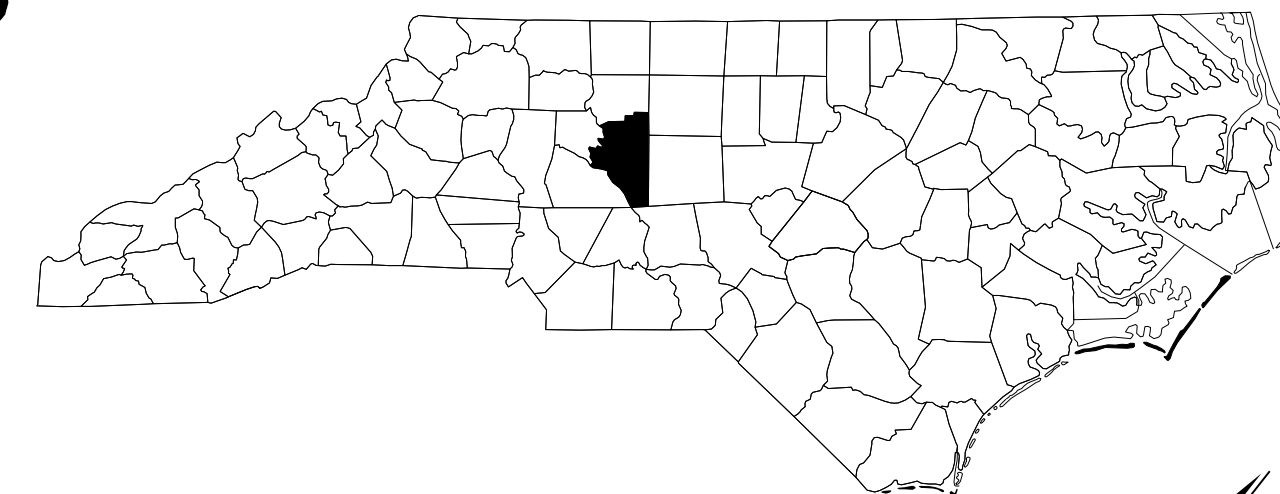
TIP PROJECT: R-5737

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

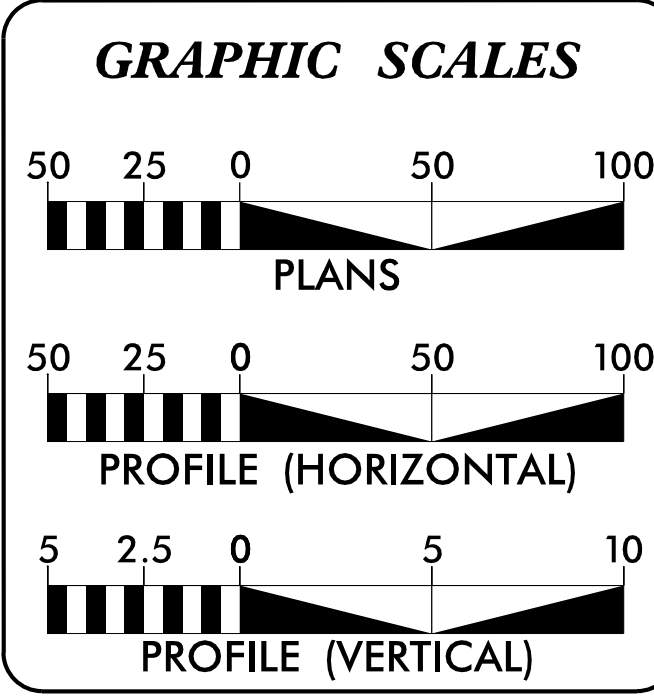
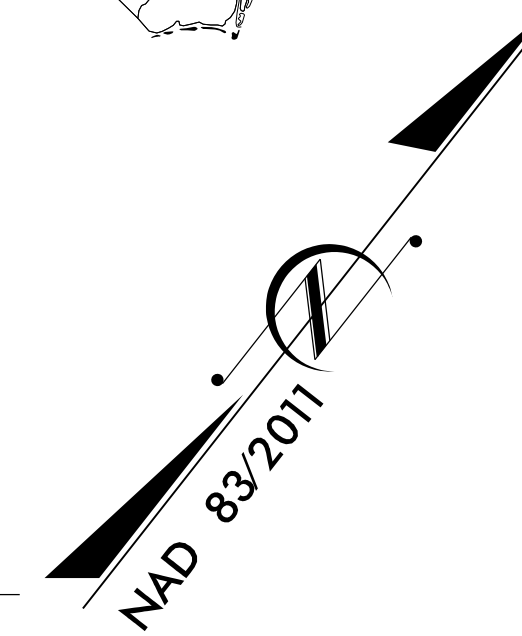
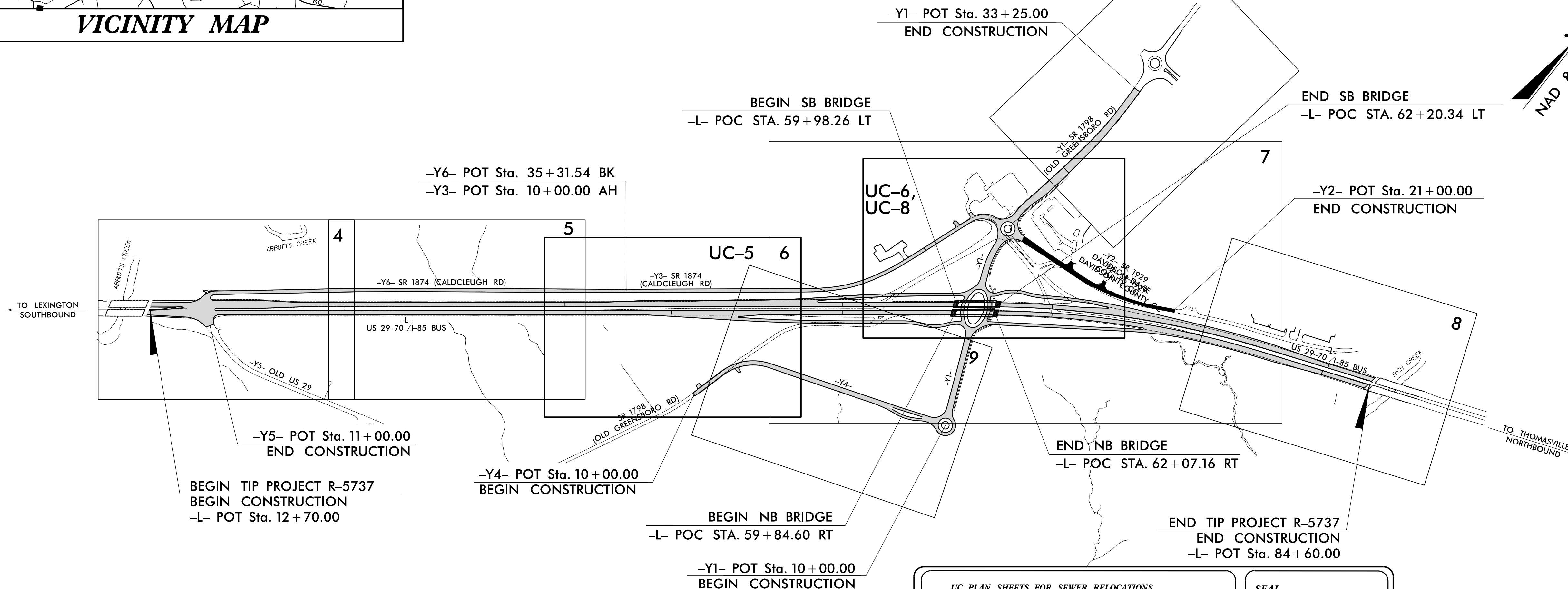
T.I.P. NO.	SHEET NO.
R-5737	UC-1

UTILITY CONSTRUCTION PLANS DAVIDSON COUNTY

LOCATION: CONVERT AT-GRADE INTERSECTION OF
OLD GREENSBORO RD (SR 1798) AND
I-85 BUS/US 29-70 TO INTERCHANGE
TYPE OF WORK: UTILITY CONSTRUCTION



VICINITY MAP



SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES FOR WATER
UC-3A	DETAILS FOR WATER
UC-4	NOTES FOR SEWER
UC-4A	DETAILS FOR SEWER
UC-5, UC-6	WATER PLAN SHEETS
UC-7	WATER PROFILE SHEET
UC-8	SEWER PLAN & PROFILE SHEET

WATER AND SEWER OWNERS ON PROJECT

A) WATER - DAVIDSON WATER, INC.
B) SEWER - CITY OF THOMASVILLE

UC PLAN SHEETS FOR SEWER RELOCATIONS
PREPARED IN THE OFFICE OF:

Dewberry

2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

Larry Mitchell, P.E. CONSULTANT CONTACT #1
Dennis Mory, P.E. CONSULTANT CONTACT #2
Dustin James CONSULTANT CONTACT #3

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
LARRY W. MITCHELL
SEAL 023965

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UNLESS ALL SIGNATURES COMPLETED

UC PLAN SHEETS FOR WATER RELOCATIONS
PREPARED IN THE OFFICE OF:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS **dmp**

6415 OLD PLANK RD. HIGH POINT, NC 27285
PHONE: (336)988-4421 FAX: (336)84-4458
WWW.DMP-NC.COM LICENSE: F-0245

Andrew P. Larrick, P.E. CONSULTANT CONTACT #1
Steve McKee, P.E. CONSULTANT CONTACT #2
Ralph Lowe CONSULTANT CONTACT #3

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
ANDREW P. LARRICK
SEAL 26457
7/14/2021

**DIVISION OF HIGHWAYS
DIVISION 9**
375 Silas Creek Parkway
Winston-Salem, NC 27127
PHONE (336) 747-7800
FAX (336) 703-6693

Matt Jones, PE NCDOT DIVISION 9 PROJECT DEVELOPMENT ENGINEER
David Trantham NCDOT DIVISION 9 UTILITY ENGINEER
Lynn Basinger NCDOT DIVISION 9 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		*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

REVISIONS

UTILITY CONSTRUCTION - WATER

GENERAL NOTES:

1. THE PROPOSED WATER 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 WATER UTILITIES BELONG TO DAVIDSON WATER, INC.
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 AND DAVIDSON WATER, INC.
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.
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 4" THRU 12" DIAMETER SHALL BE DUCTILE IRON, PC 350. USE RESTRAINED JOINTS WHERE INDICATED ON PROFILES.
2. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED 2" DIAMETER WATER MAINS SHALL BE PVC, MINIMUM SDR 21, WITH A MINIMUM PRESSURE RATING OF 200 PSI. PIPE SHALL CONFORM TO ASTM D2241 AND MUST HAVE NSF-PW SEAL STAMP.
3. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509, RATED FOR 200 PSI MINIMUM WORKING PRESSURE. VALVES SHALL BE MUELLER, M&H, AMERICAN DARLING, KENNEDY, OR APPROVED EQUAL.
4. FIRE HYDRANTS SHALL MEET NCDOT STANDARD SPECS. HYDRANTS SHALL BE MUELLER SUPER CENTURION 200, M&H #129, AMERICAN DARLING MARK 731, KENNEDY K81A, OR APPROVED EQUAL.
5. CONTRACTOR SHALL COORDINATE WITH DAVIDSON WATER, INC. CONCERNING THE TIMING AND SCHEDULE OF ANY REQUIRED SHUT-DOWNS OF EXISTING WATER MAINS.
6. ALL ITEMS ON THIS SHEET SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.

LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT

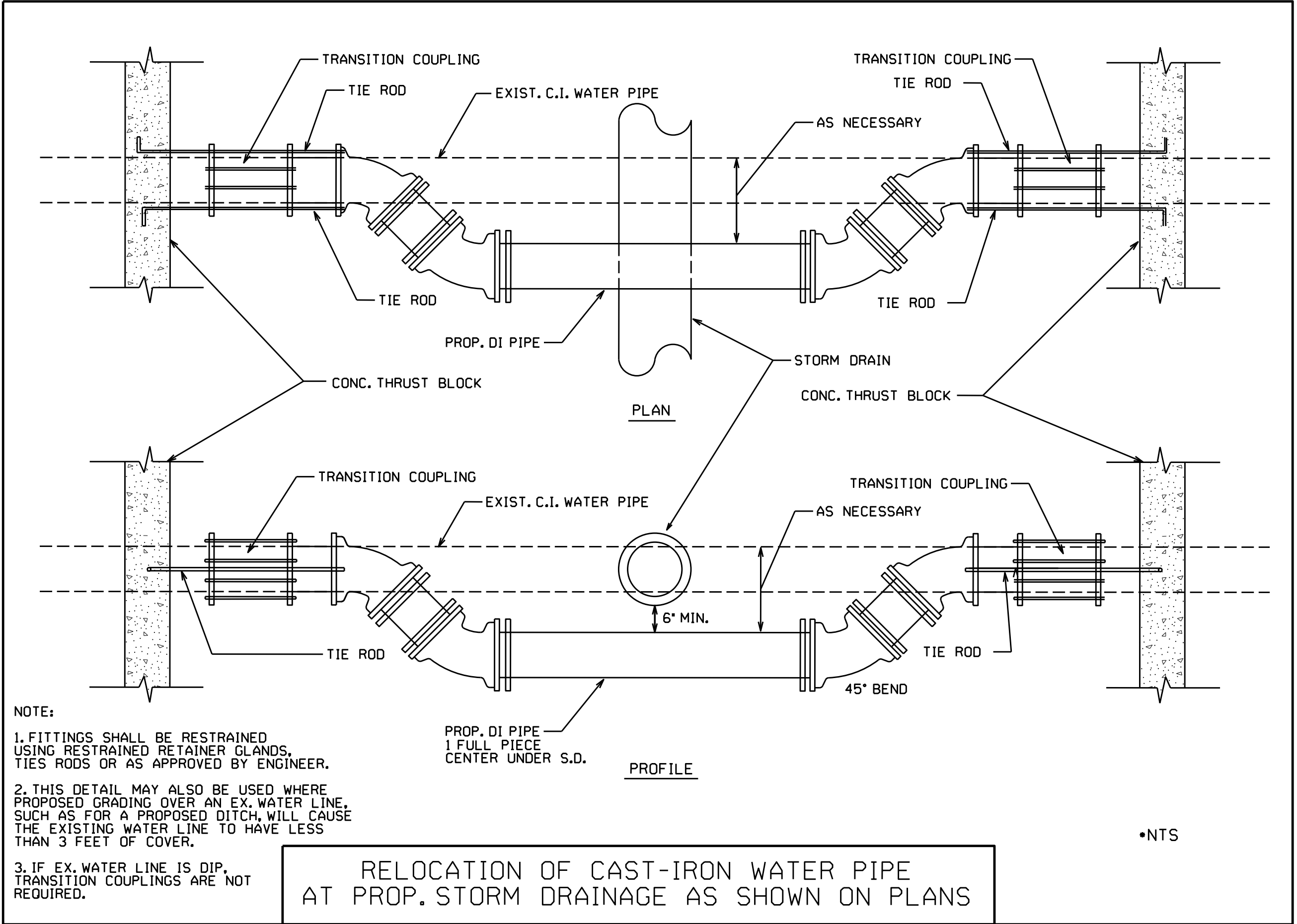
PROJECT REFERENCE NO. R-5737	SHEET NO. UC-3
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	7/14/2021
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

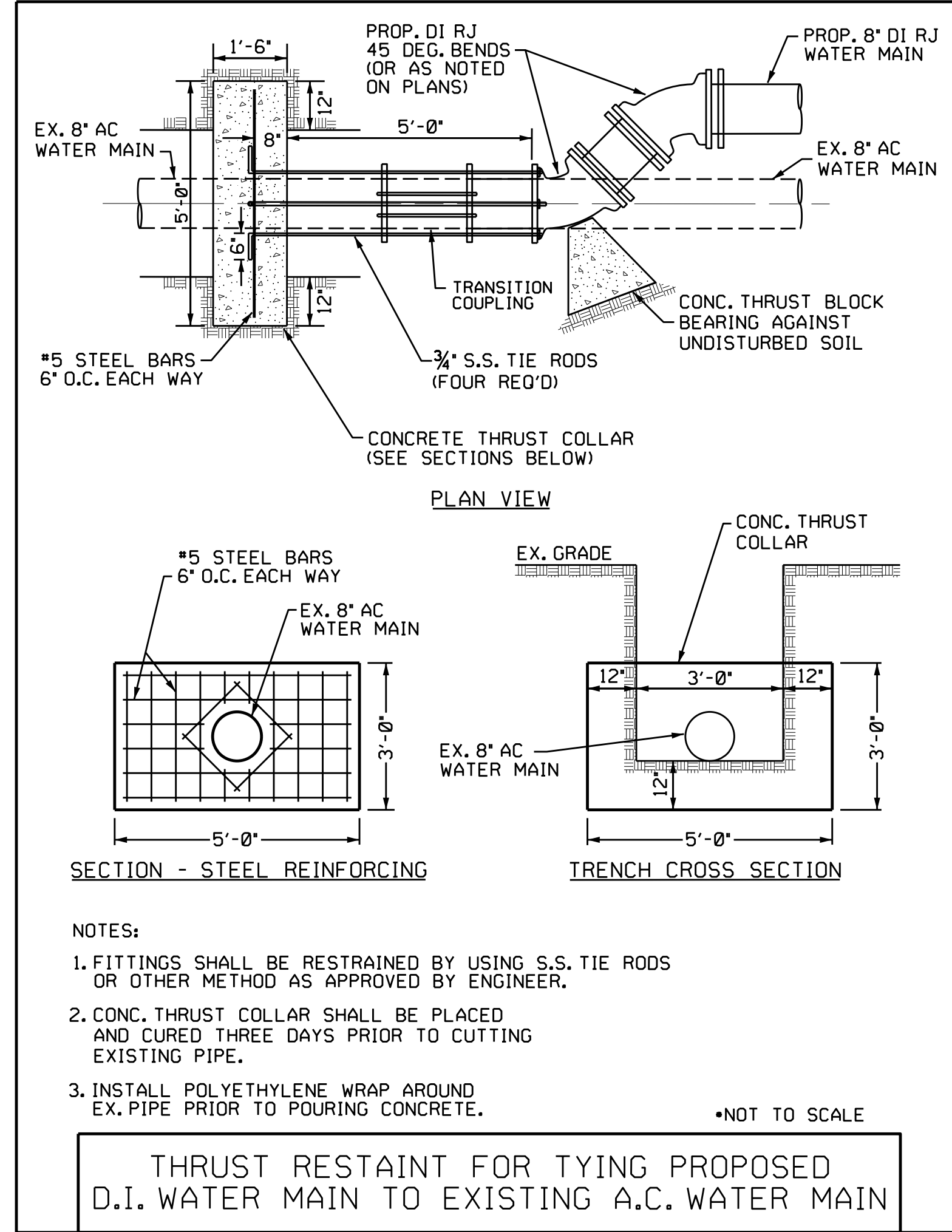
5/14/99

REVISIONS

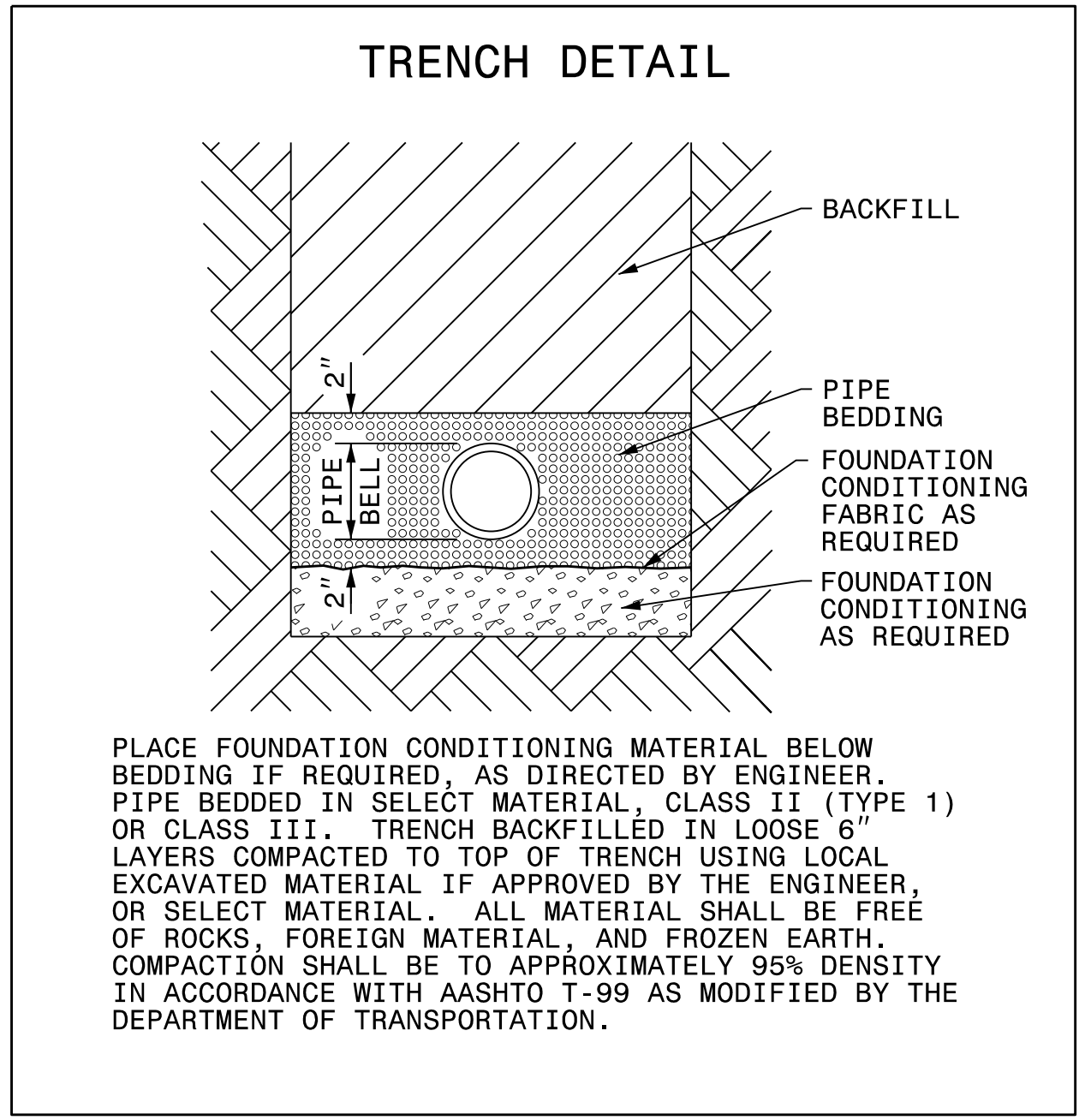


NOTE:
 1. FITTINGS SHALL BE RESTRAINED USING RESTRAINED RETAINER GLANDS, TIE RODS OR AS APPROVED BY ENGINEER.
 2. THIS DETAIL MAY ALSO BE USED WHERE PROPOSED GRADING OVER AN EX. WATER LINE, SUCH AS FOR A PROPOSED DITCH, WILL CAUSE THE EXISTING WATER LINE TO HAVE LESS THAN 3 FEET OF COVER.
 3. IF EX. WATER LINE IS DIP, TRANSITION COUPLINGS ARE NOT REQUIRED.

RELOCATION OF CAST-IRON WATER PIPE AT PROP. STORM DRAINAGE AS SHOWN ON PLANS

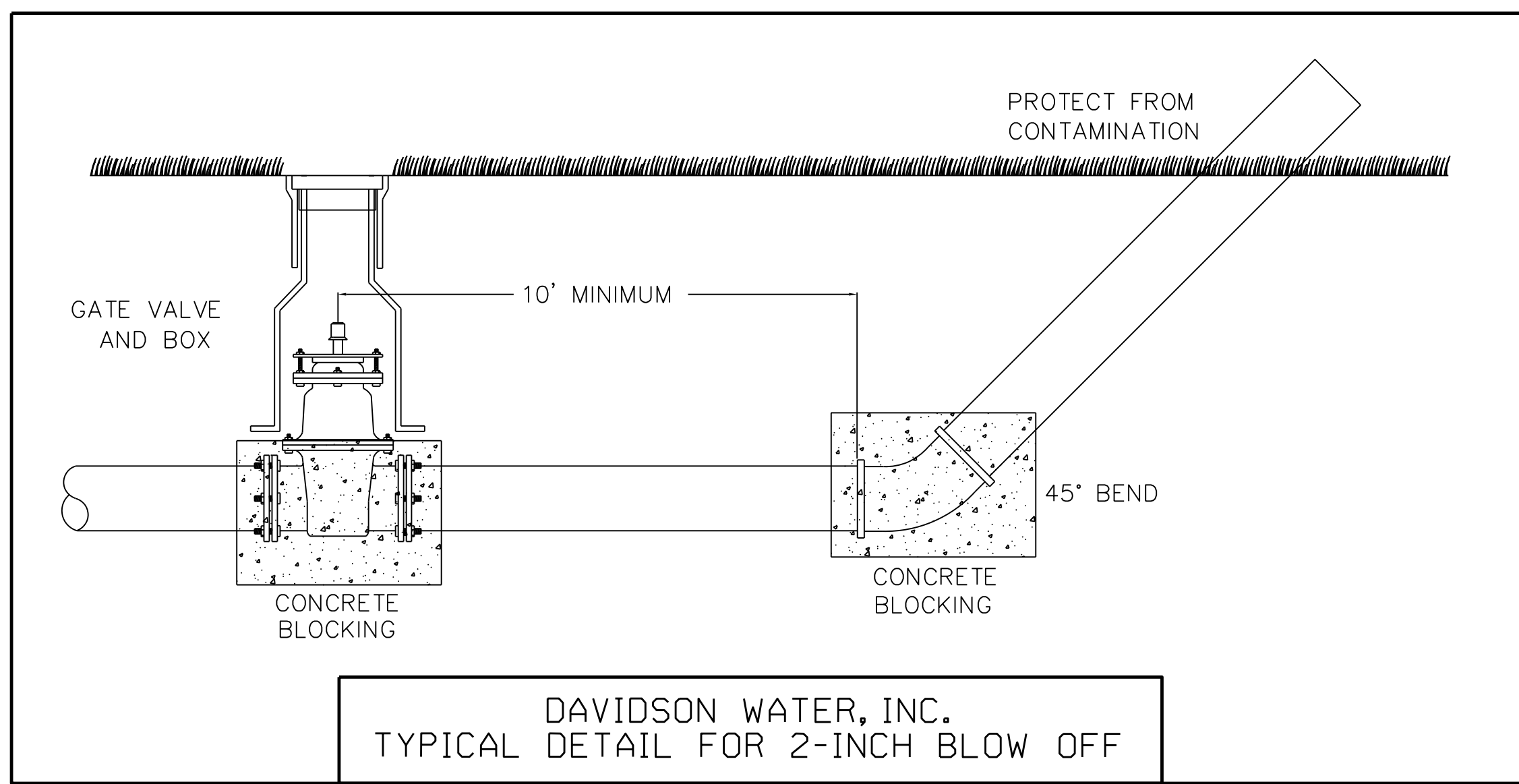


THRUST RESTRAINT FOR TYING PROPOSED D.I. WATER MAIN TO EXISTING A.C. WATER MAIN



PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER. PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III, TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

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		



DAVIDSON WATER, INC. TYPICAL DETAIL FOR 2-INCH BLOW OFF

PROJECT REFERENCE NO. R-5737	SHEET NO. 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	7/14/2021 ANDREW P. LARRICK PROFESSIONAL ENGINEER UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/99

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 2018.

2. THE EXISTING UTILITIES BELONG TO THE CITY OF THOMASVILLE.

3. 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 OWNER OWNS 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 OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER 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 OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER 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.

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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.

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.

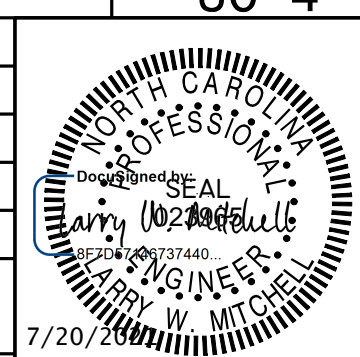


3825 WYCKOFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: (919) 885-8859
NC REG. NO. F4202

PROJECT REFERENCE NO.
R-5737

SHEET NO.
UC-4

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
REVISED:



NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

7/20/2009
AMY W. MITCHELL

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

UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION


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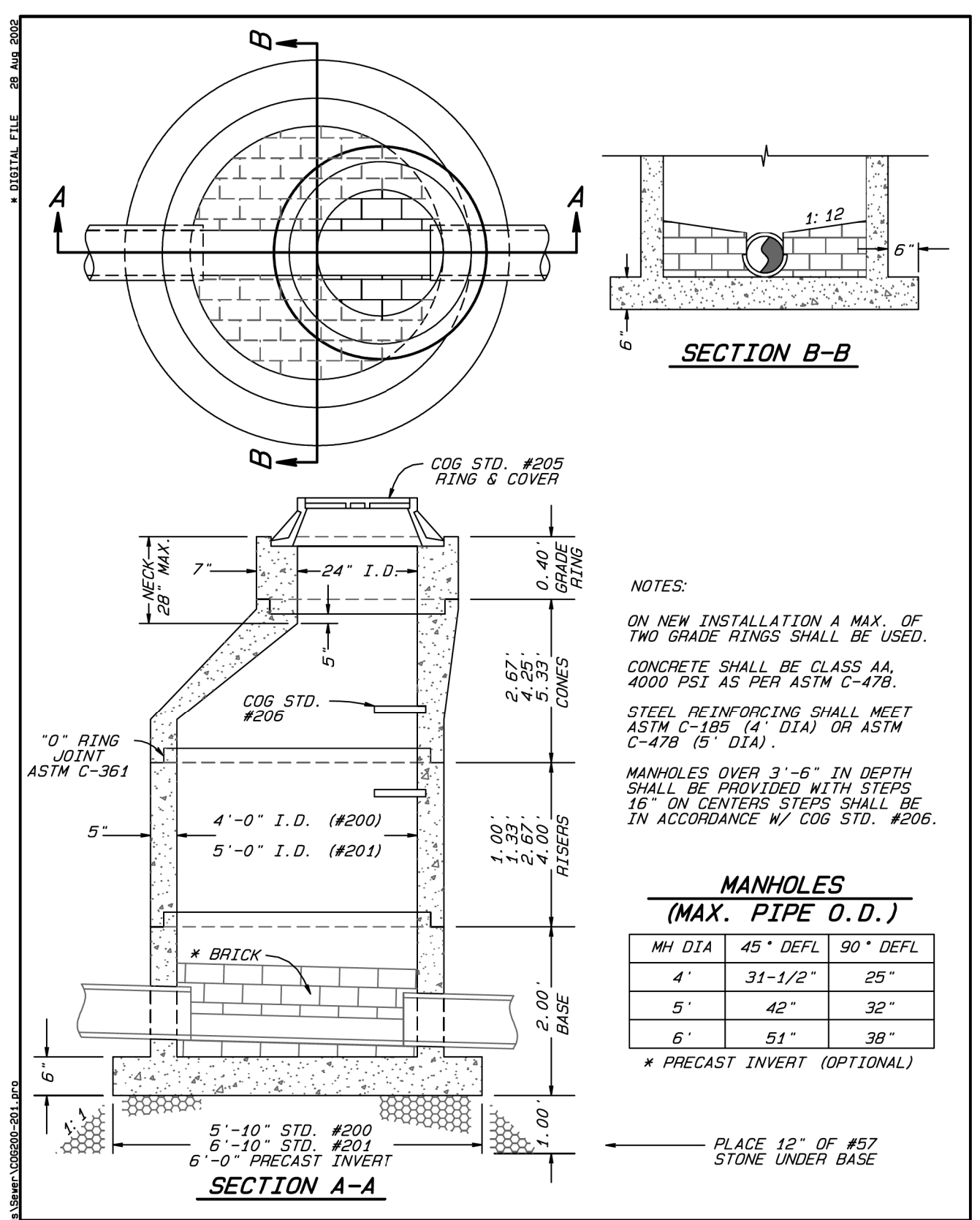
Dewberry

REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
NO. 17888
EXPIRES 12/31/2021

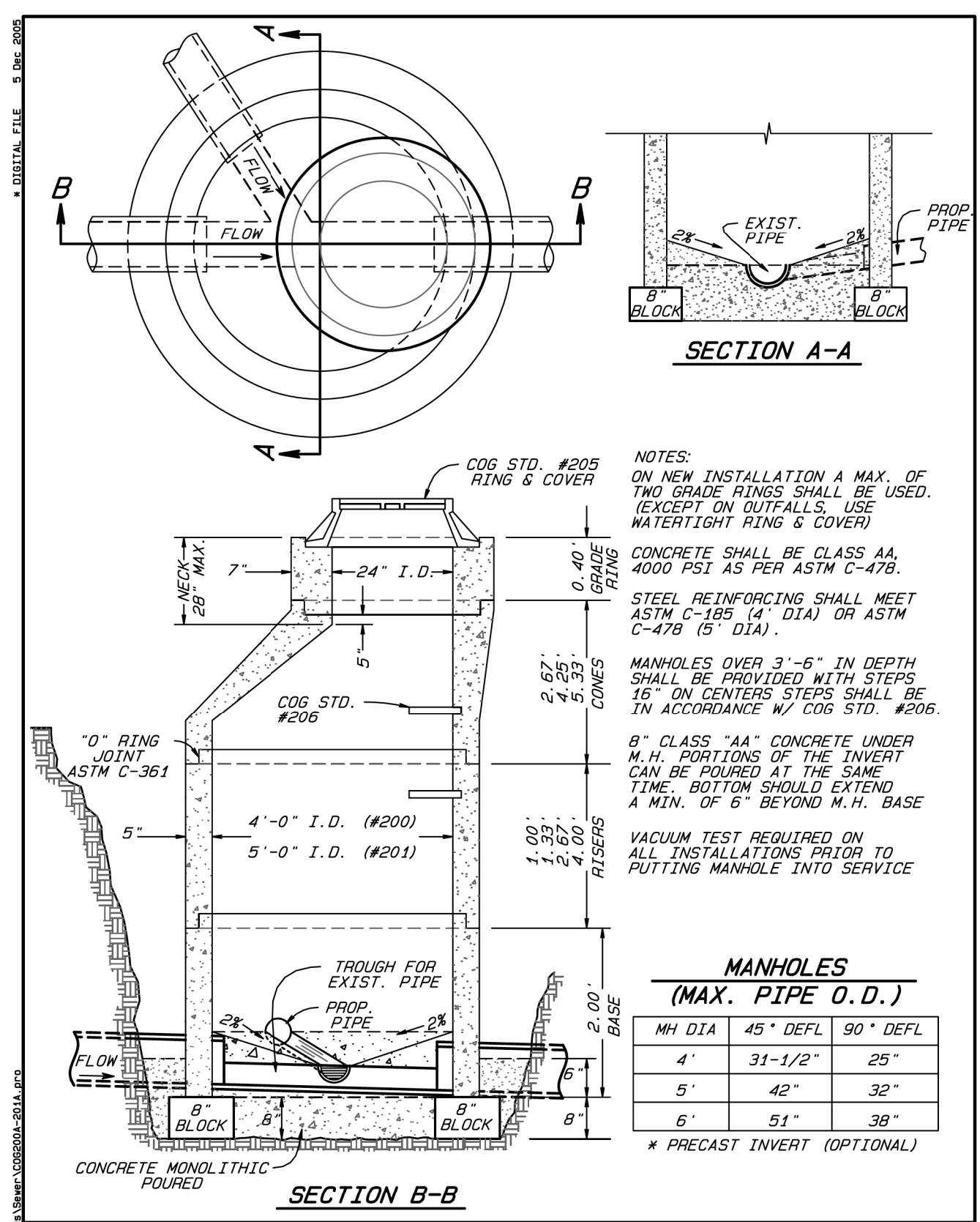
PROJECT REFERENCE NO.	SHEET NO.
R-5737	UC-4A
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISIONS:	7/20/2021
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

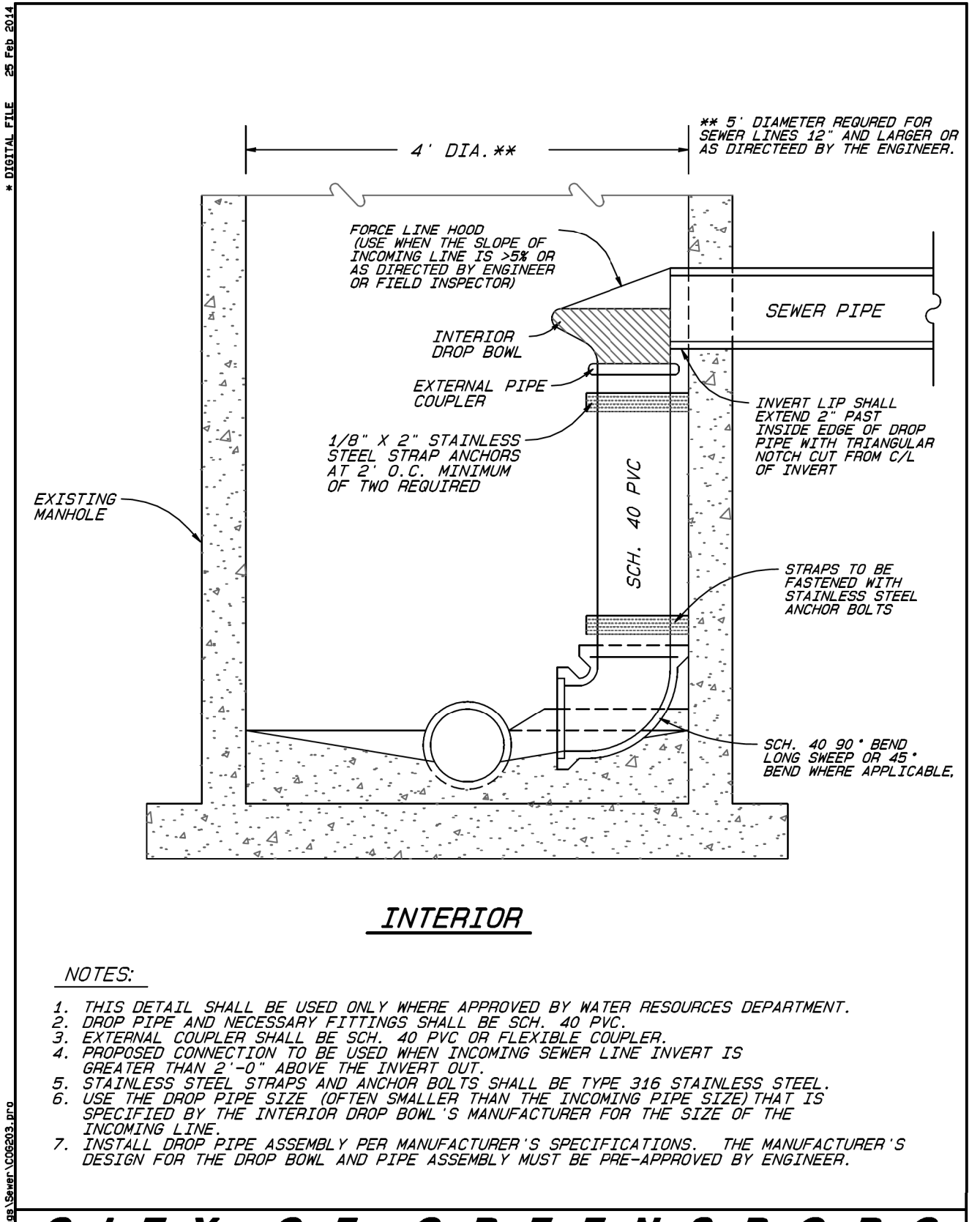
NOTE:
CITY OF THOMASVILLE USES CITY OF GREENSBORO UTILITY DETAILS AS THEIR STANDARDS.



CITY OF GREENSBORO
STANDARD 4' I.D. & 5' I.D. ECCENTRIC PRECAST CONCRETE SANITARY MANHOLE WITH EXPANDED BASE
STD. NO. 200
REV. 05-88 03-99
11-93 08-02
09-95

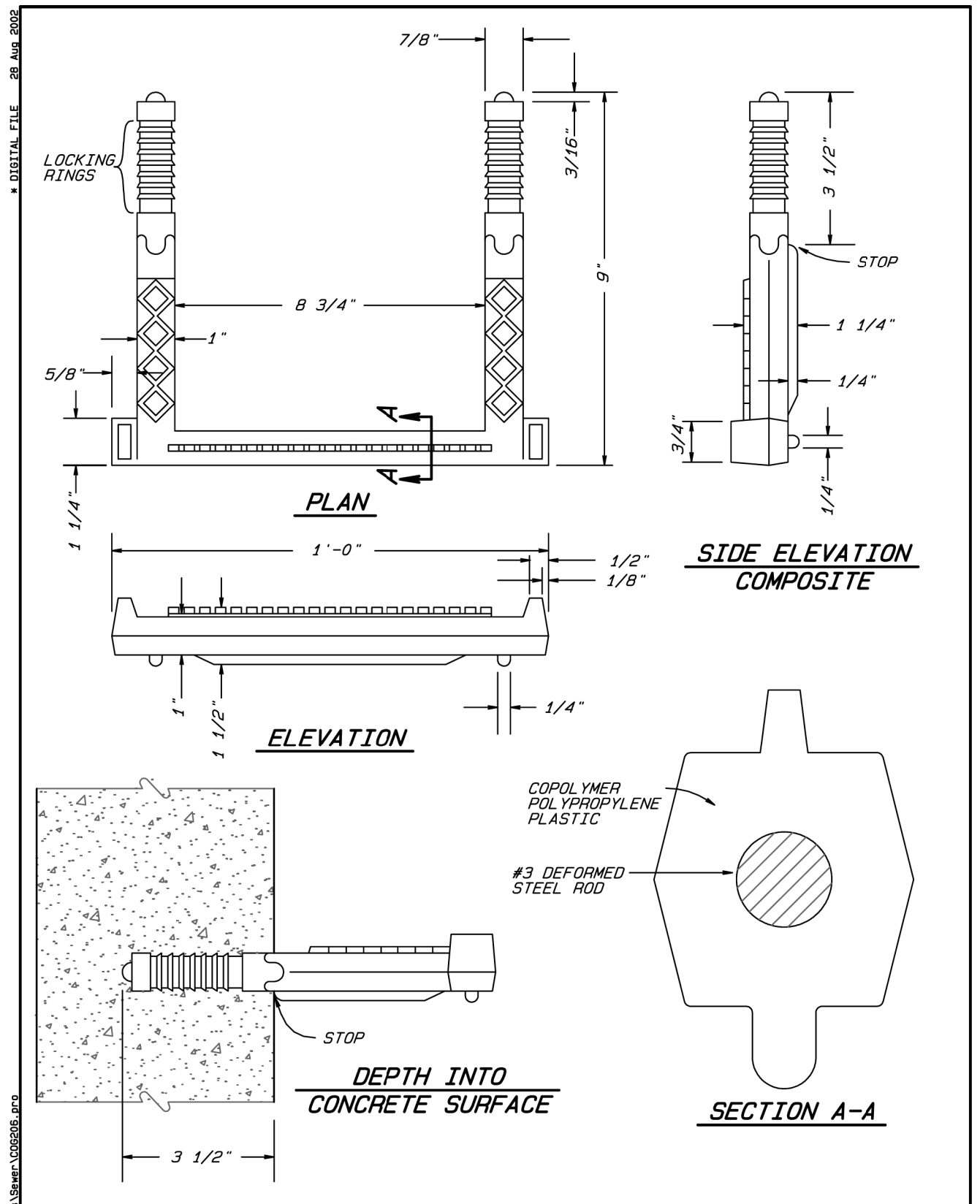


CITY OF GREENSBORO
STANDARD 4' I.D. & 5' I.D. ECCENTRIC PRECAST BOTTOMLESS MANHOLE OVER EXISTING SANITARY SEWER (DOGHOUSE MANHOLE)
STD. NO. 200A
REV. DEC-05
201A

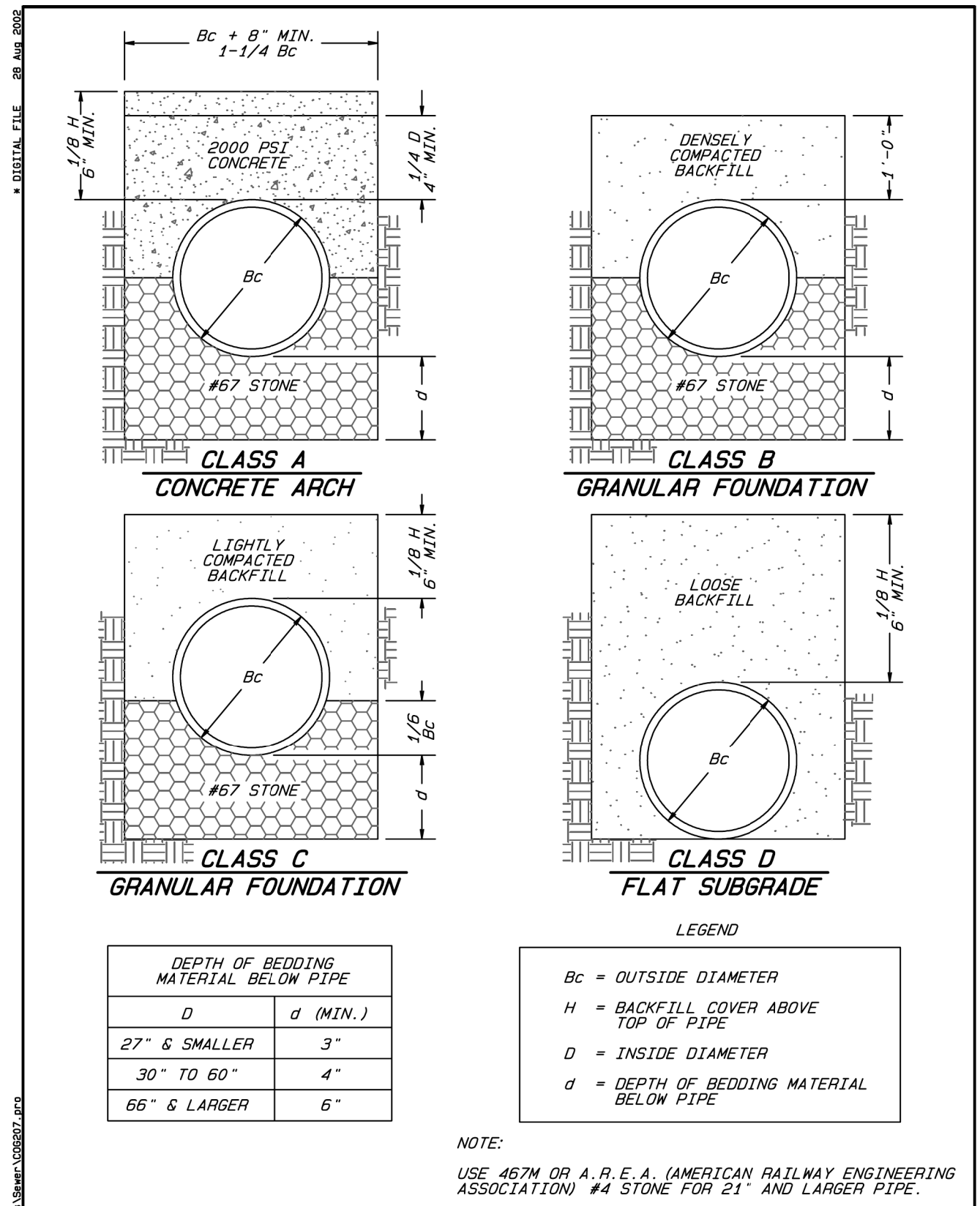


CITY OF GREENSBORO
DROP CONNECTION (INTERIOR) FOR EXISTING SANITARY SEWER MANHOLE
STD. NO. 203
REV. 06-03
03-14

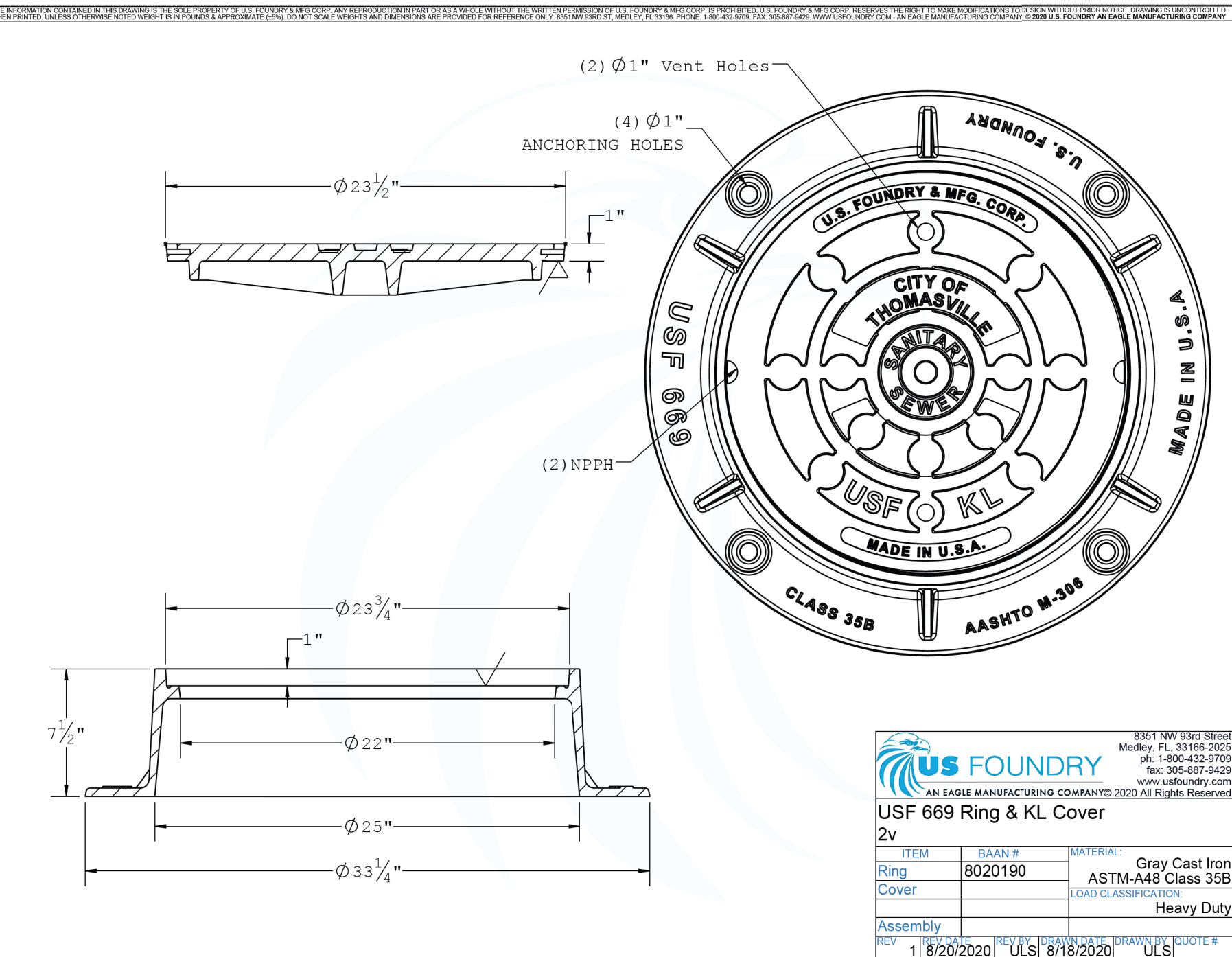
USE INSIDE DROP CONNECTION METHOD ON PROPOSED MANHOLE (MH2)



CITY OF GREENSBORO
STANDARD MANHOLE STEP FOR PRECAST CONCRETE MANHOLE
STD. NO. 206
REV.



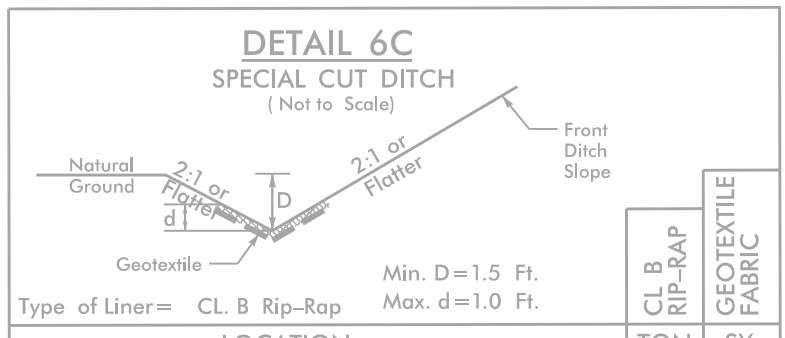
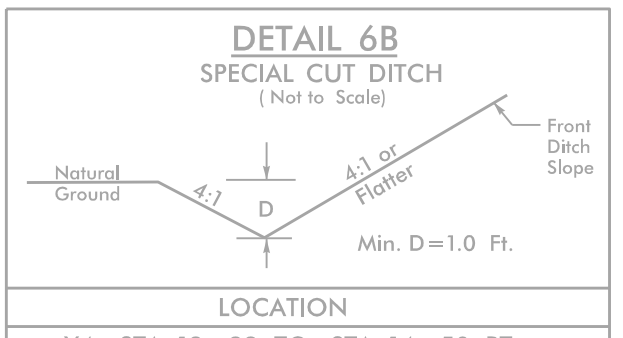
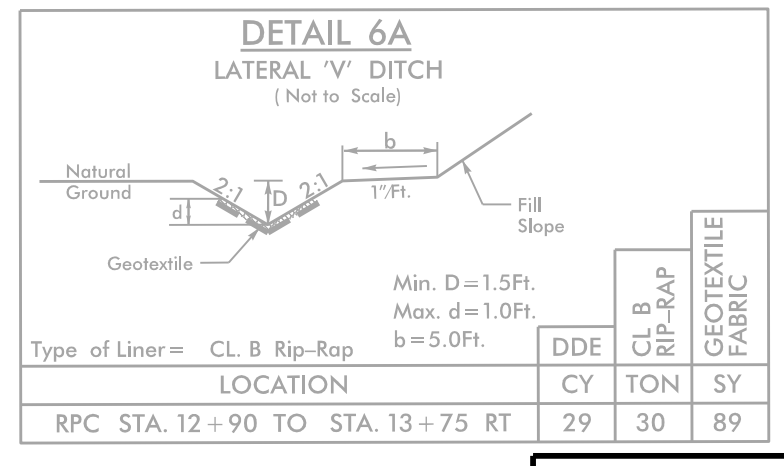
CITY OF GREENSBORO
STANDARD TRENCH BEDDINGS FOR CIRCULAR PIPE
STD. NO. 207
REV. 03-97



CITY OF GREENSBORO
STANDARD TRENCH BEDDINGS FOR CIRCULAR PIPE
STD. NO. 207
REV. 03-97

For a complete product offering please visit us at www.usfoundry.com

5/14/2011



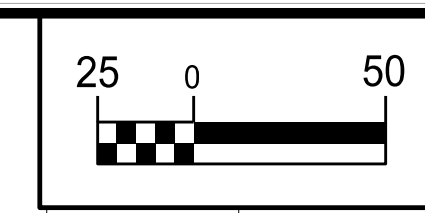
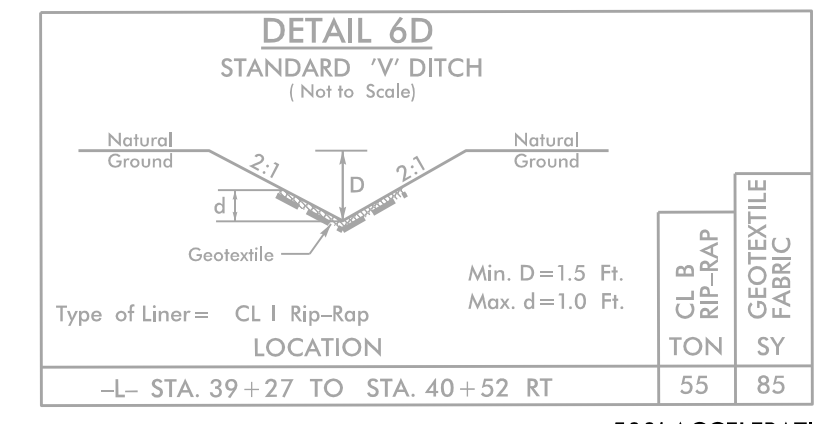
CURVE DATA FOR -Y6-

PI Sta 34+61.43
 $\Delta = 0^\circ 30' 51.9"$ (LT)
 $D = 0^\circ 34' 22.6"$
 $L = 89.78'$
 $T = 44.89'$
 $R = 10,000.00'$
 $Se = EXIST$

CURVE DATA FOR -RPB-

PIs Sta 10+66.67
 $\Delta s = 0^\circ 28' 41.7"$
 $Ls = 100.00'$
 $LT = 66.67'$
 $ST = 33.33'$

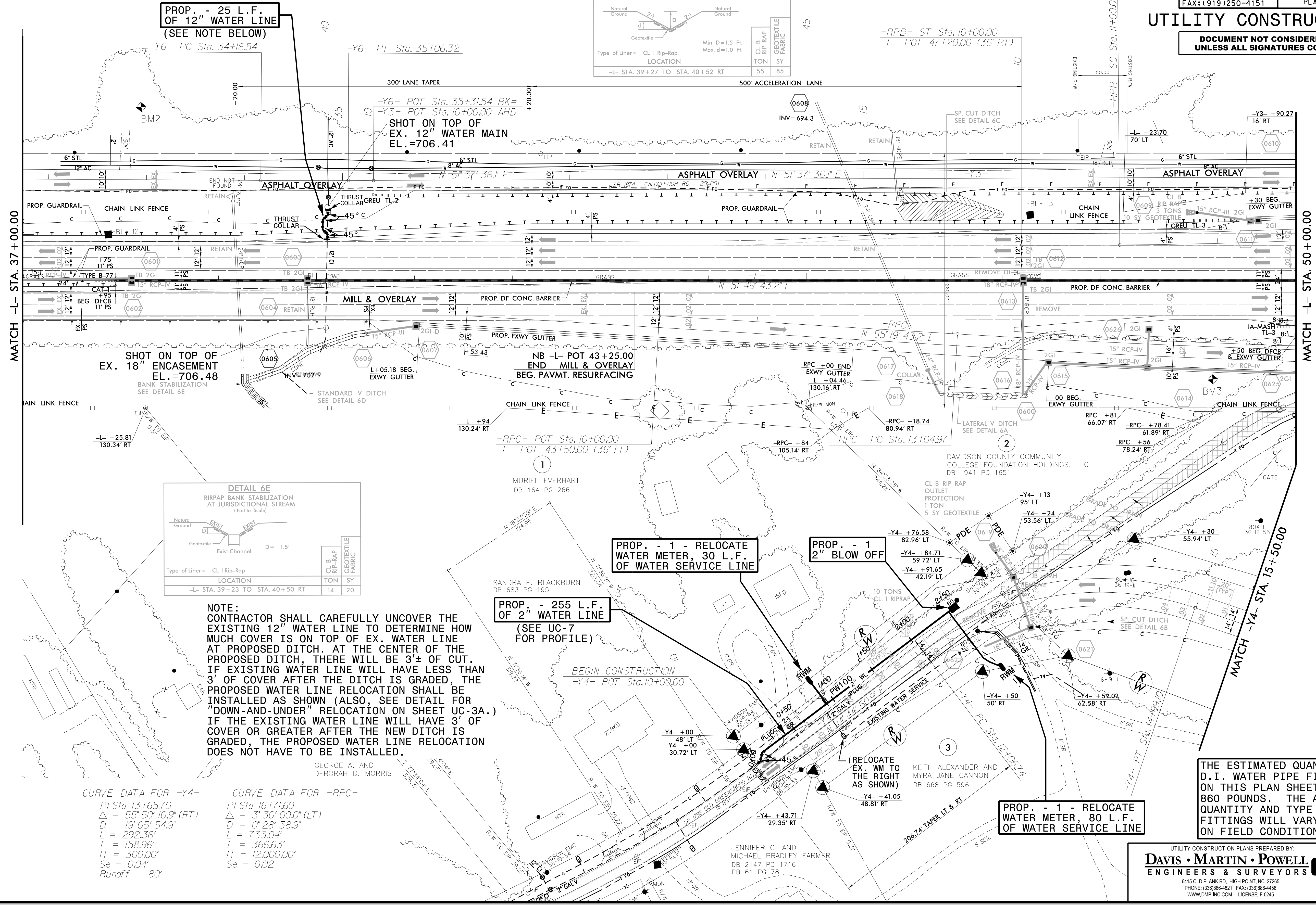
PI Sta 13+03.02
 $\Delta = 3^\circ 52' 56.3"$ (LT)
 $D = 0^\circ 57' 23.5"$
 $L = 405.88'$
 $T = 203.02'$
 $R = 5,990.00'$
 $Se = 0.02$



PROJECT REFERENCE NO.	R-5737	SHEET NO.	UC-5
DESIGNED BY:	DMP		
DRAWN BY:	DMP		
CHECKED BY:	DMP		
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		7/14/2011	
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



PROP. - 25 L.F. OF 12" WATER LINE (SEE NOTE BELOW)

SHOT ON TOP OF EX. 12" WATER MAIN EL. = 706.41

SHOT ON TOP OF EX. 18" ENCASEMENT EL. = 706.48

PROP. - 1 - RELOCATE WATER METER, 30 L.F. OF WATER SERVICE LINE

PROP. - 1 2" BLOW OFF

PROP. - 255 L.F. OF 2" WATER LINE (SEE UC-7 FOR PROFILE)

PROP. - 1 - RELOCATE WATER METER, 80 L.F. OF WATER SERVICE LINE

NOTE:
 CONTRACTOR SHALL CAREFULLY UNCOVER THE EXISTING 12" WATER LINE TO DETERMINE HOW MUCH COVER IS ON TOP OF EX. WATER LINE AT PROPOSED DITCH. AT THE CENTER OF THE PROPOSED DITCH, THERE WILL BE 3'± OF CUT. IF EXISTING WATER LINE WILL HAVE LESS THAN 3' OF COVER AFTER THE DITCH IS GRADED, THE PROPOSED WATER LINE RELOCATION SHALL BE INSTALLED AS SHOWN (ALSO, SEE DETAIL FOR "DOWN-AND-UNDER" RELOCATION ON SHEET UC-3A.) IF THE EXISTING WATER LINE WILL HAVE 3' OF COVER OR GREATER AFTER THE NEW DITCH IS GRADED, THE PROPOSED WATER LINE RELOCATION DOES NOT HAVE TO BE INSTALLED.

CURVE DATA FOR -Y4-

PI Sta 13+65.70
 $\Delta = 55^\circ 50' 10.9"$ (RT)
 $D = 19^\circ 05' 54.9"$
 $L = 292.36'$
 $T = 158.96'$
 $R = 300.00'$
 $Se = 0.04'$
 Runoff = 80'

CURVE DATA FOR -RPC-

PI Sta 16+71.60
 $\Delta = 3^\circ 30' 00.0"$ (LT)
 $D = 0^\circ 28' 38.9"$
 $L = 733.04'$
 $T = 366.63'$
 $R = 12,000.00'$
 $Se = 0.02$

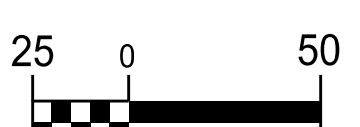
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 860 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,170 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 1 - RELOCATE WATER METER, 7 L.F. OF WATER SERVICE LINE

PROP. - 1 - FIRE HYD. 12 LF OF FIRE HYD. LEG, 1 - 6" VALVE

PROP. - 1 - RELOCATE WATER METER, 9 L.F. OF WATER SERVICE LINE

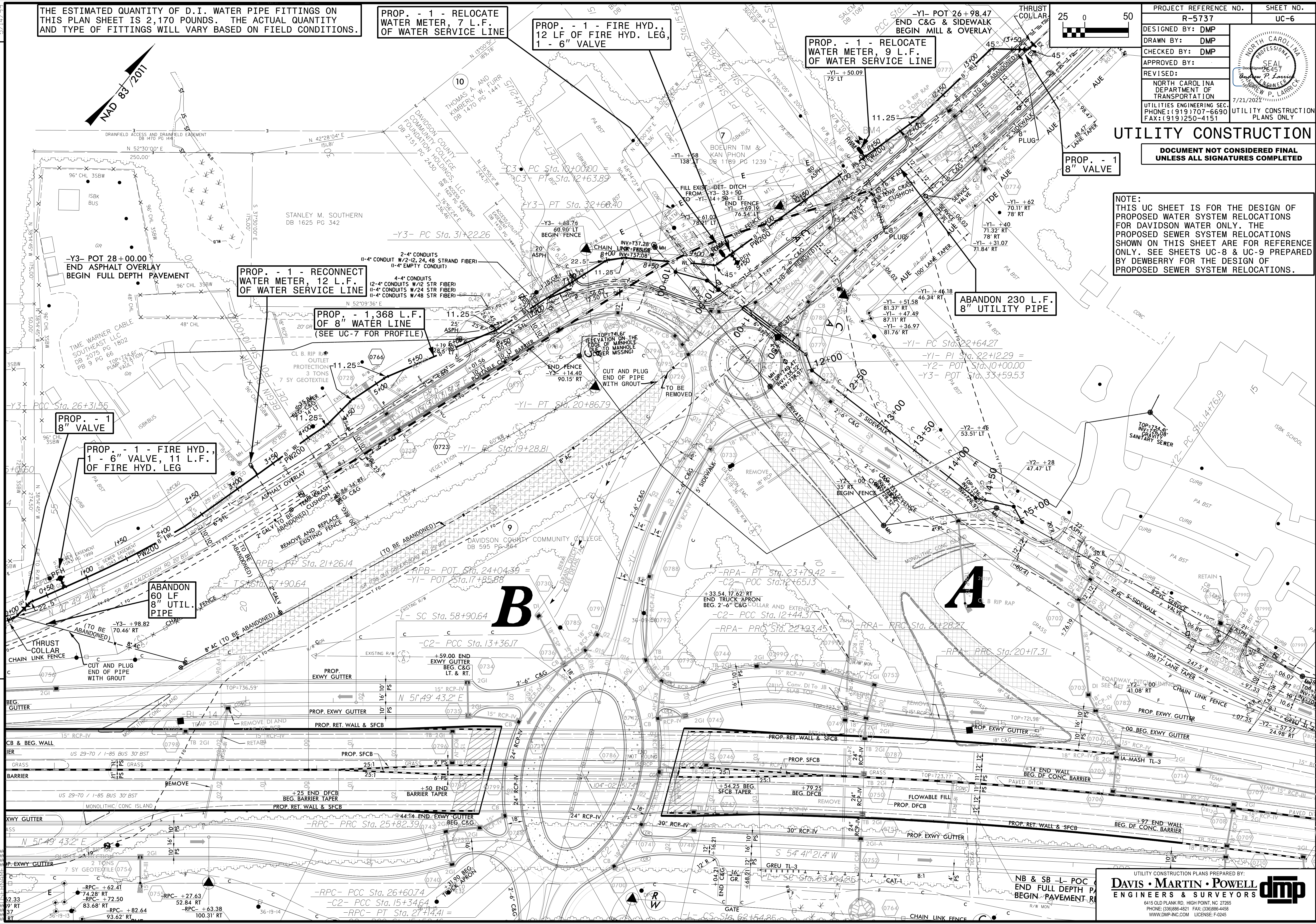


PROJECT REFERENCE NO.	R-5737	SHEET NO.	UC-6
DESIGNED BY:	DMP		
DRAWN BY:	DMP		
CHECKED BY:	DMP		
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		7/23/2021	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTE: THIS UC SHEET IS FOR THE DESIGN OF PROPOSED WATER SYSTEM RELOCATIONS FOR DAVIDSON COUNTY ONLY. THE PROPOSED SEWER SYSTEM RELOCATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY. SEE SHEETS UC-8 & UC-9 PREPARED BY DEWBERRY FOR THE DESIGN OF PROPOSED SEWER SYSTEM RELOCATIONS.

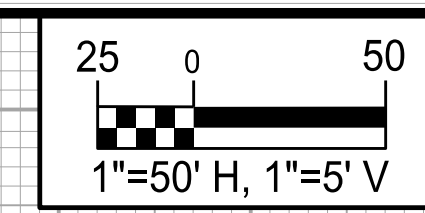


REVISIONS

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5/14/2022

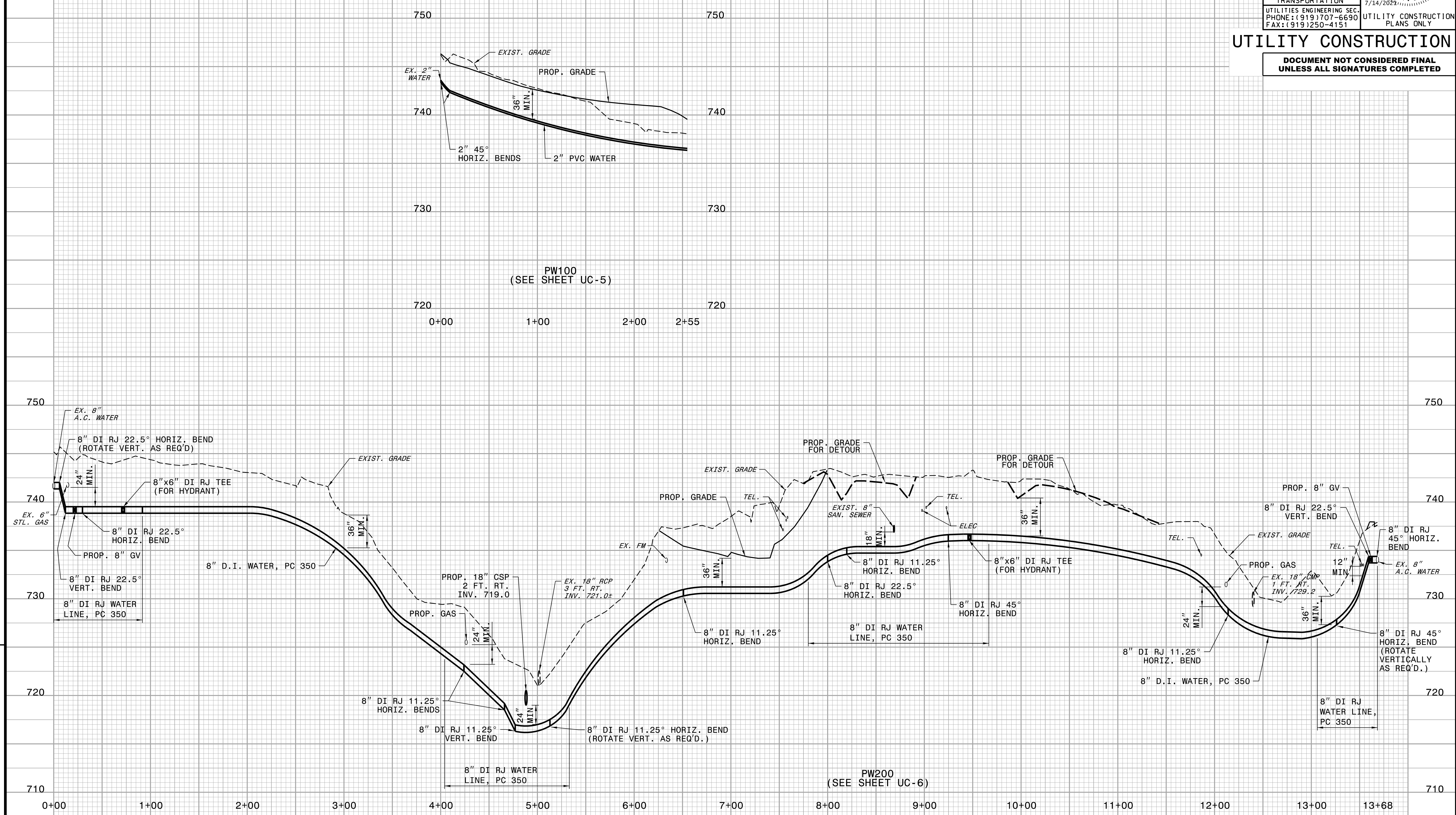


PROJECT REFERENCE NO. R-5737	SHEET NO. UC-7
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 7/14/2022	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

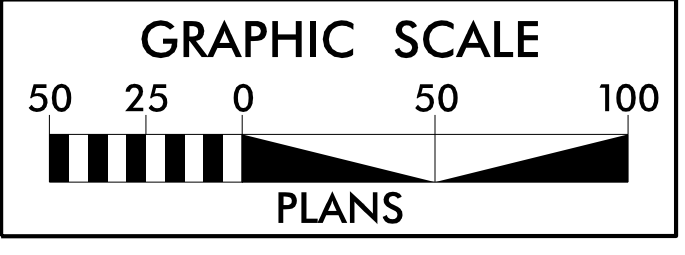
UTILITY CONSTRUCTION

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

REVISIONS

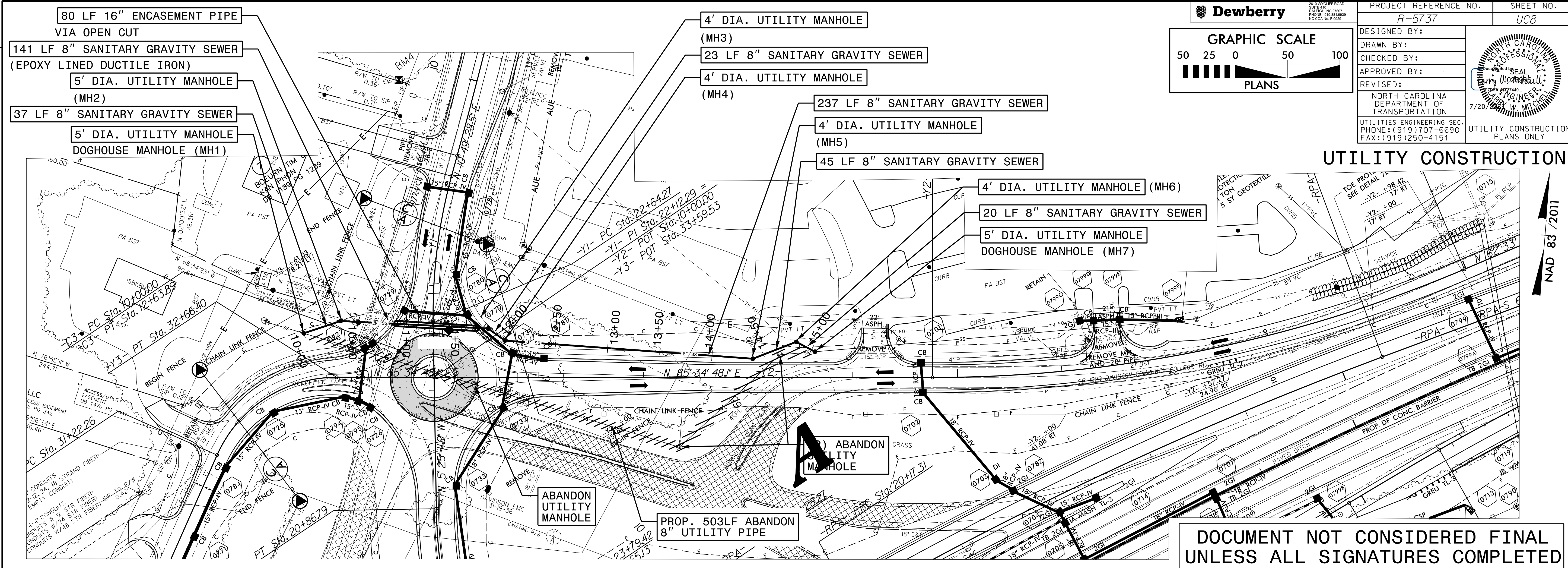
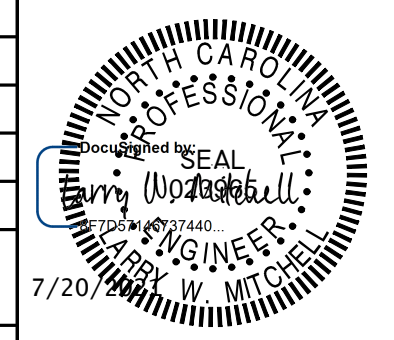


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 100. 5/14/22



DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 REVISED:
 NORTH CAROLINA
 DEPARTMENT OF
 TRANSPORTATION
 UTILITIES ENGINEERING SEC.
 PHONE: (919) 707-6690
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