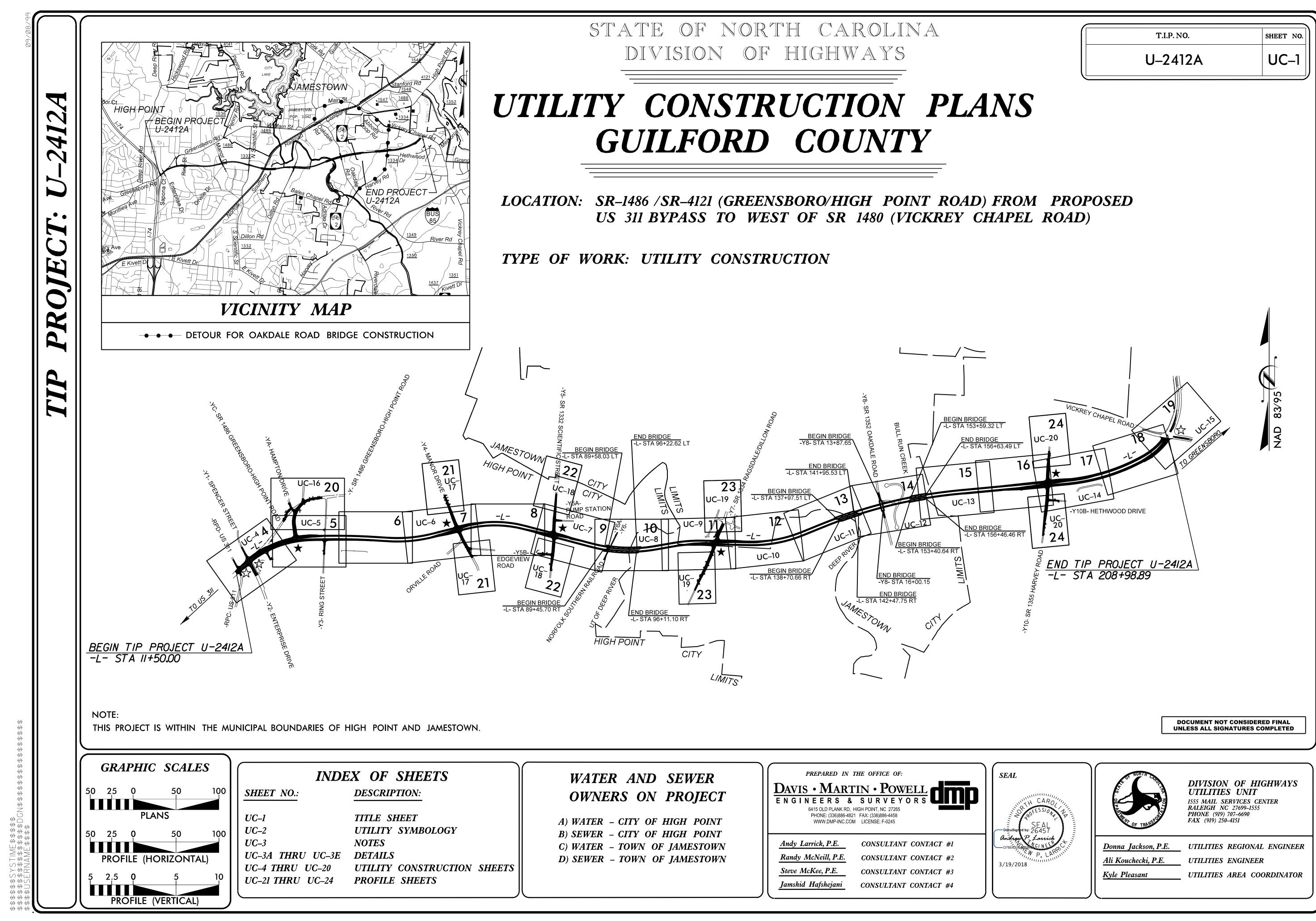
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SETS BOLOGY	WATER AND SEWER OWNERS ON PROJECT A) WATER – CITY OF HIGH POINT	PREPARED IN THE OFFICE OF: DAVIS • MARTIN • POWELL ENGINEERS & SURVEYORS 6415 OLD PLANK RD, HIGH POINT, NC 27265 PHONE: (336)886-4821 FAX: (336)886-4458 WWW.DMP-INC.COM LICENSE: F-0245
	B) SEWER – CITY OF HIGH POINT C) WATER – TOWN OF JAMESTOWN	Andy Larrick, P.E.CONSULTANT CONTACT #1Randy McNeill, P.E.CONSULTANT CONTACT #2
STRUCTION SHEETS	D) SEWER – TOWN OF JAMESTOWN	Kanay McNetti, T.E.CONSULTANT CONTACT #2Steve McKee, P.E.CONSULTANT CONTACT #3Jamshid HafshejaniCONSULTANT CONTACT #4

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown) - — — —	12" WL
11 ¹ ⁄4 Degree Bend -————————	— ++ 1
22½ Degree Bend ————————	— +**
45 Degree Bend – — — — — — — — — — — —	— +×
90 Degree Bend - — — — — — — — — — — — — — — — — — —	+ [‡]
Plug	- •
Tee — — — — — — — — — — — — — — — — — —	+ 4 +
Cross	— ‡
Reducer - — — — — — — — — — — — — —	— >
Gate Valve-———————————	GV
Butterfly Valve —————————	b V
Tapping Valve — — — — — — — — — —	
Line Stop — — — — — — — — — — — — — — — — — — —	— İ
Line Stop with Bypass——————	LS/BP
Blow Off — — — — — — — — — — — — — — — — — —	—— BO
Fire Hydrant-——————————	→ PFH
Relocate Fire Hydrant——————	— PEH
Remove Fire Hydrant———————	FH
Water Meter — — — — — — — — — — — — — — — — — — —	₽₩M ●
Relocate Water Meter — — — — — —	RWM
Remove Water Meter — — — — — — —	REM_WM
Water Pump Station — — — — — — —	(PS(W))
RPZ Backflow Preventer - — — — — —	
DCV Backflow Preventer — — — — —	
Relocate RPZ Backflow Preventer———	
Relocate DCV Backflow Preventer———	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line	12″ SS
Force Main Sewer Line	■ 12″ FSS
Manhole (Sized per Note) — — — — — — — — — •	
Sewer Pump Station — — — — — — — — — — — PS(SS)	

\$\$\$\$\$\$\$YSTIME\$9 \$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$UAMF\$9 \$\$\$\$UAMF\$9 REV: 2/1/2012

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED MISCELLANOUS UTI

Power Pole — — — — — — — — — — — — — — — — — — —	δ	Thrust Bl
Telephone Pole	- O -	Air Relea
Joint Use Pole	- с -	Utility V
Telephone Pedestal — — — — — — — — —		Concrete
Utility Line by Others <u> </u>	PROP 0/H POW LINES	Steel Pie
Trenchless Installation — — — — — —	12" TL INSTALL	Plan Note
Encasement by Open Cut ——————	24" ENCAS BY OC	Pay Item
Encasement · — — — — — — — — — — — —	24" ENCASEMENT	

EXISTING UTILITIES SYMBOLS

Power Pole	*Undergroun
Telephone Pole	*Undergroun
Joint Use Pole	*Undergroun
Utility Pole	*Undergroun
Utility Pole with Base-———————	*Undergroun
H-Frame Pole-———————————————	*Undergroun
Power Transmission Line Tower-————————————————————————————————————	*Undergroun
Water Manhole — — — — — — — — — — — @	Abovegroun
Power Manhole — — — — — — — — — @	*Undergroun
Telephone Manhole-———————— ®	Abovegroun
Sanitary Sewer Manhole — — — — — — 🐵	*Undergroun
Hand Hole for Cable————————— 🖽	Abovegroun
Power Transformer-————————— 📨	*Undergroun
Telephone Pedestal — — — — — — — — 🗉	Undergroun
CATV Pedestal — — — — — — — — — — 🗉	SUE Test H
Gas Valve--------	Water Mete
Gas Meter — — — — — — — — — — 🗇	Water Valv
Located Miscellaneous Utility Object—— \circ	Fire Hydra
Abandoned According to Utility Records — AATUR	Sanitary S
End of Information — — — — — — — — E.O.I.	

*For Exis Utility (Type as Designat (Type as

PROJECT REFERENCE NO.	SHEET NO.
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ound Fiber Optics Telephone Cable-	T F0
ound TV Cable — — — — — — — –	
ound Fiber Optics TV Cable———-	TV F0
ound Gas Pipeline-—————-	
ound Gas Pipeline-————-	A/G Gas
ound Water Line-—————-	
ound Water Line-—————-	A/G Water
ound Gravity Sanitary Sewer Line	
ound Gravity Sanitary Sewer Line	A/G Sanitary Sewer
ound SS Forced Main Line———-	FSS
ound Unknown Utility Line — — -	
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Line Drawn [.] s Shown)	from Record	
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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 HIGH POINT AND THE TOWN OF JAMESTOWN.

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 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.

UTILITY CONSTRUCTION

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.

U-2412A DESIGNED BY: DMP DRAWN BY: DMP CHECKED BY: DMP APPROVED BY: REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION **PROJECT SPECIFIC NOTES:** UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151 PLANS ONLY UTILITY CONSTRUCTION DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 1. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED WATER MAINS IN NOMINAL DIAMETERS 3" THROUGH 12" SHALL BE DUCTILE IRON. PC 350. 2. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED WATER MAINS IN NOMINAL DIAMETERS 16" AND LARGER SHALL BE DUCTILE IRON, PC 250. 3. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509. RATED FOR 200 PSI MINIMUM WORKING PRESSURE. 4. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED SEWER MAINS 8" AND LARGER SHALL BE DUCTILE IRON, CLASS 51. 5. UNLESS OTHERWISE NOTED, PIPE FOR PROPOSED SEWER SERVICE LINES SHALL BE DUCTILE IRON, PC 350. 6. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SEWER LATERALS AND/OR CLEANOUTS AS DIRECTED BY THE ENGINEER. THE NECESSARY QUANTITIES HAVE BEEN ADDED TO THE CONTRACT TO FACILITATE THIS PROCEDURE. LIST OF STANDARD DRAWINGS 1515.01 WATER METER 1515.02 FIRE HYDRANT 1520.01 SEWER CLEAN OUT 1525.02 PRECAST CONCRETE SANITARY SEWER MANHOLE - OUTSIDE DROP 1525.06 PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

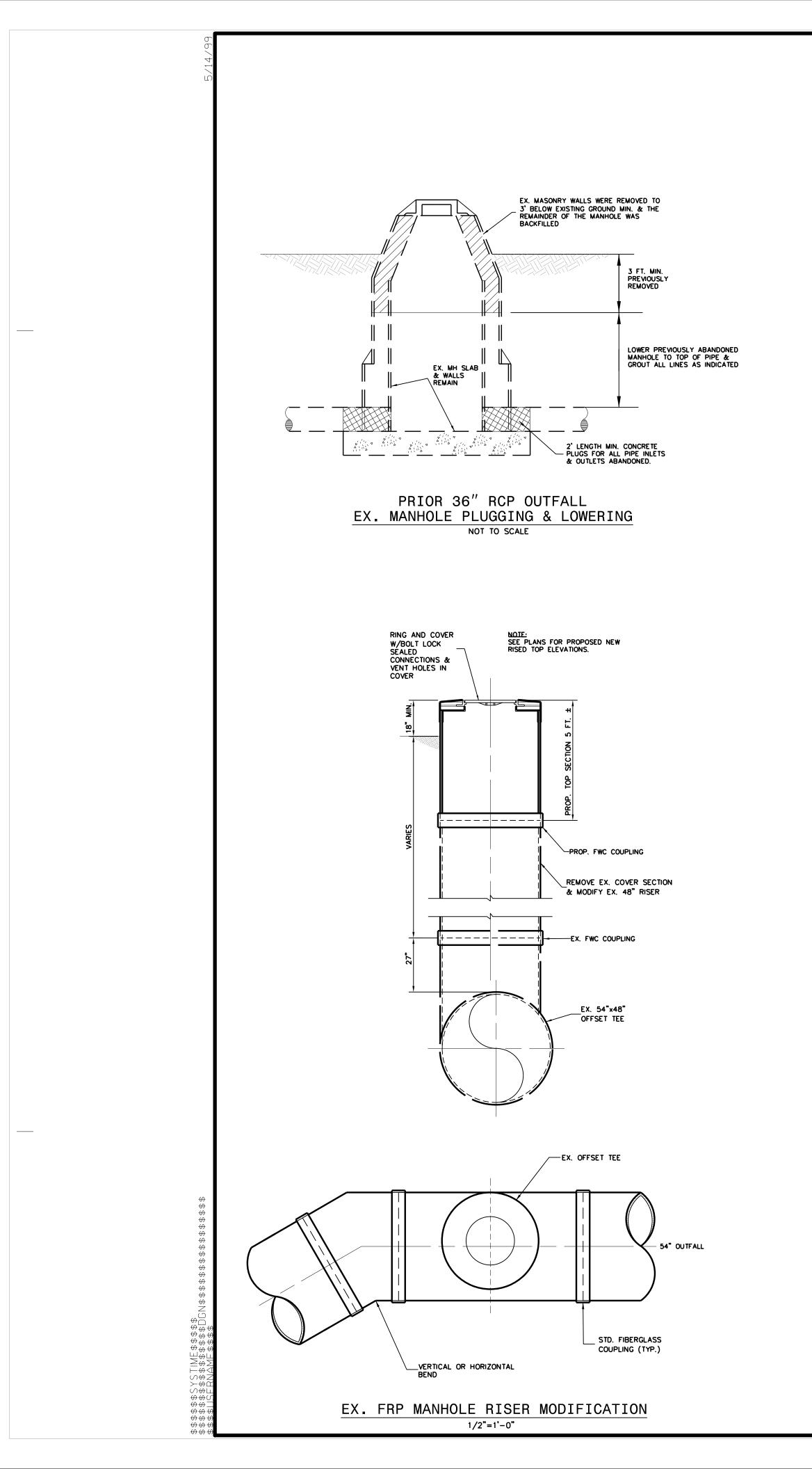


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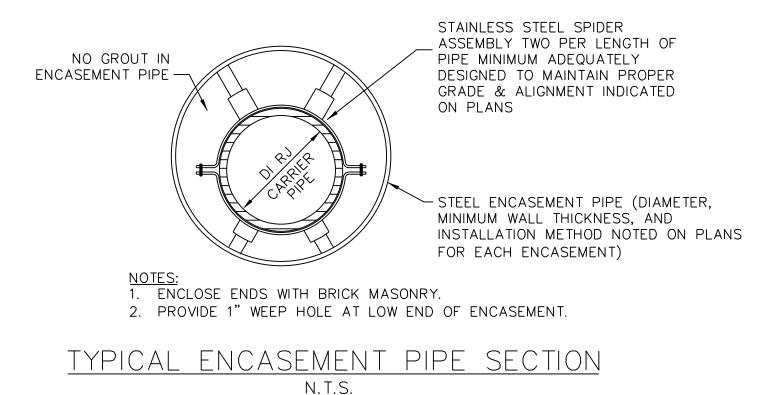
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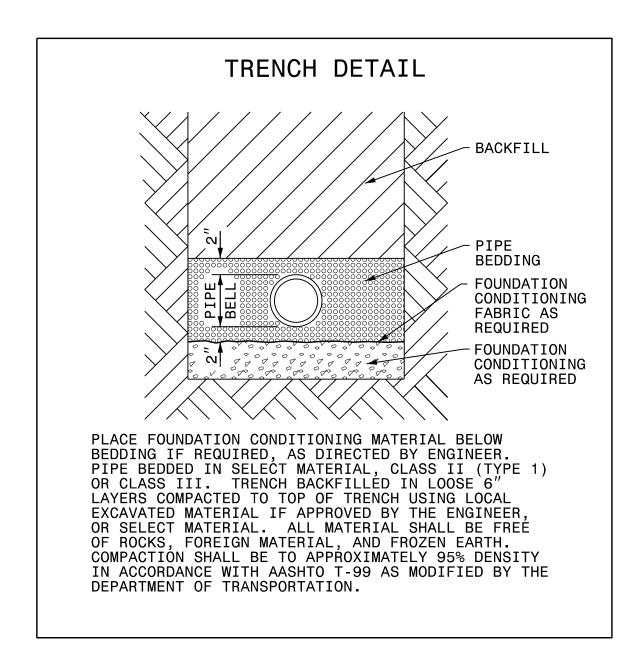
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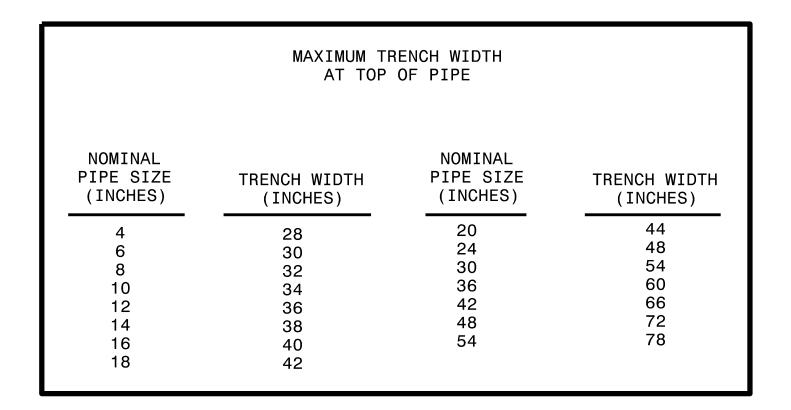
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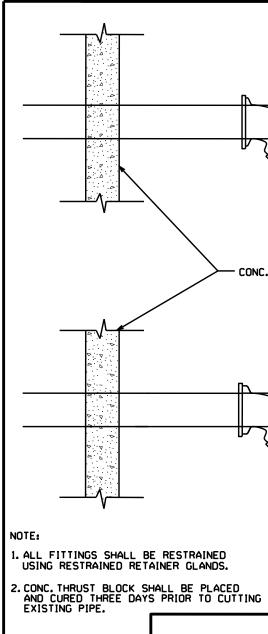


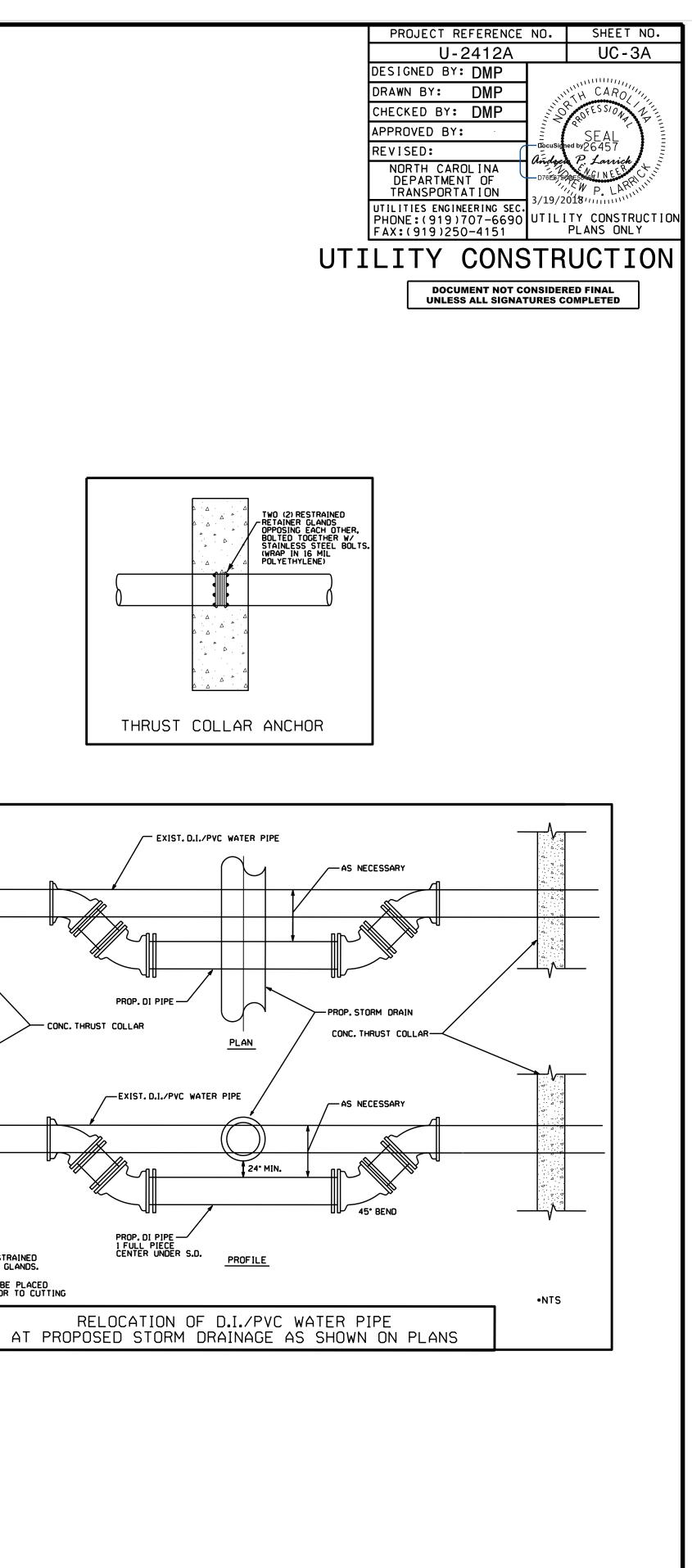
PROJECT TYPICAL DETAILS



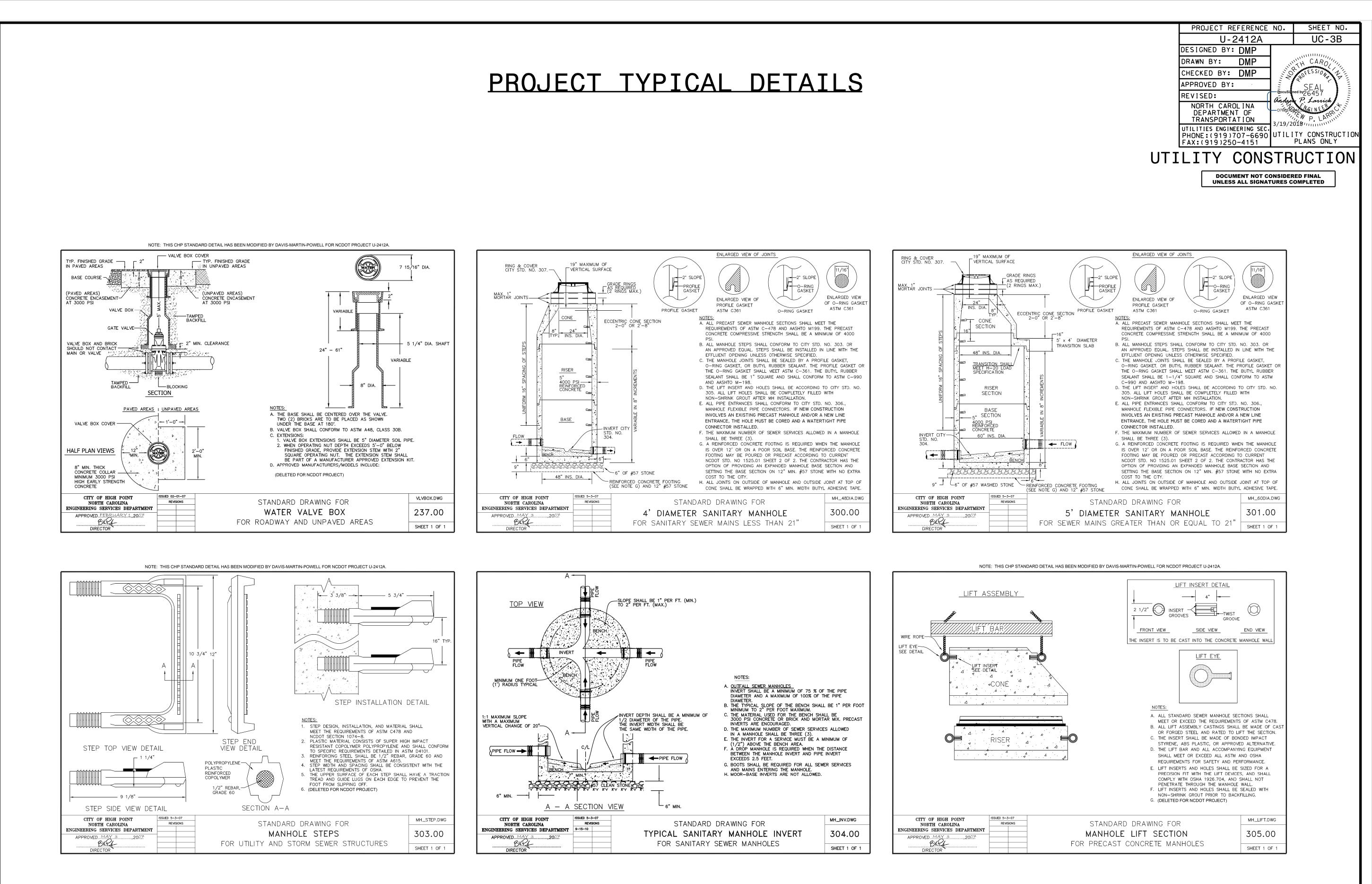






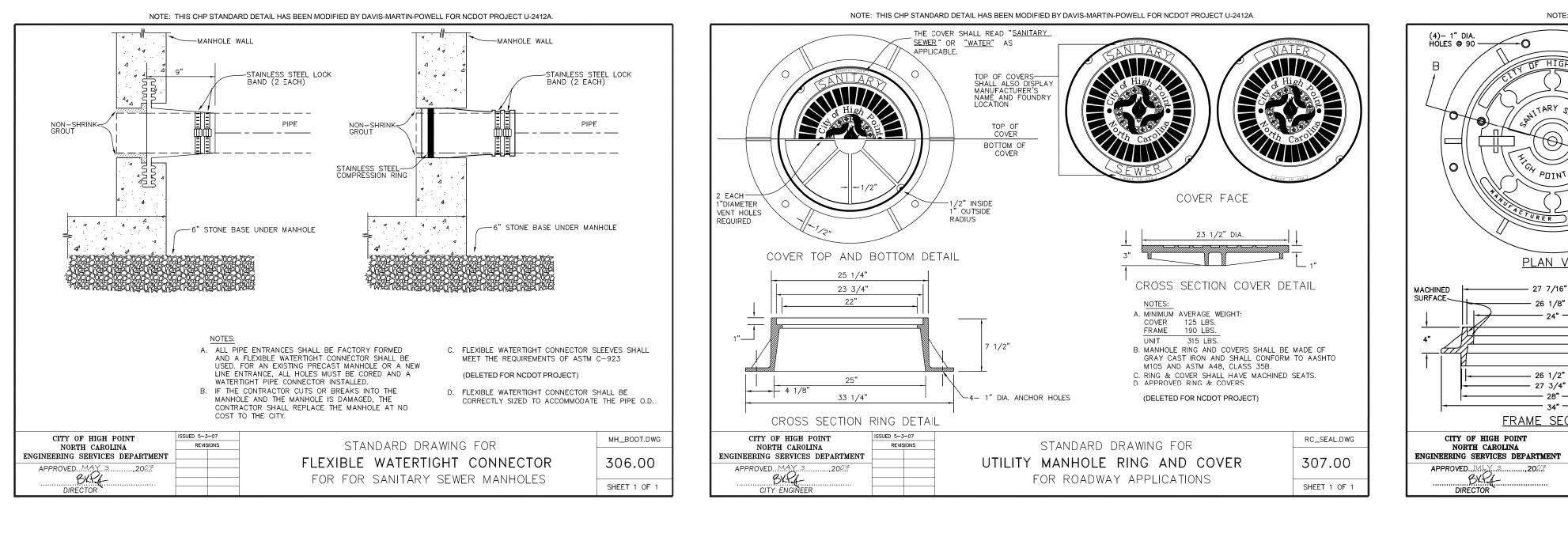


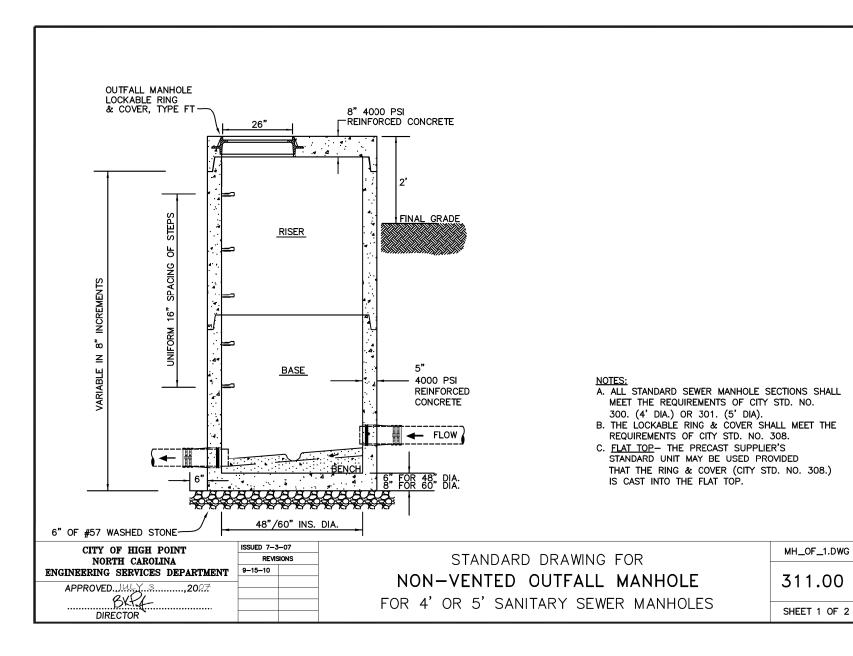
UTILITY CONSTRUCTION PLANS PREPARED BY: DAVIS • MARTIN • POWELL E N G I N E E R S & S U R V E Y O R S 6415 OLD PLANK RD, HIGH POINT, NC 27265 PHONE: (336)886-4821 FAX: (336)886-4458 WWW.DMP-INC.COM LICENSE: F-0245



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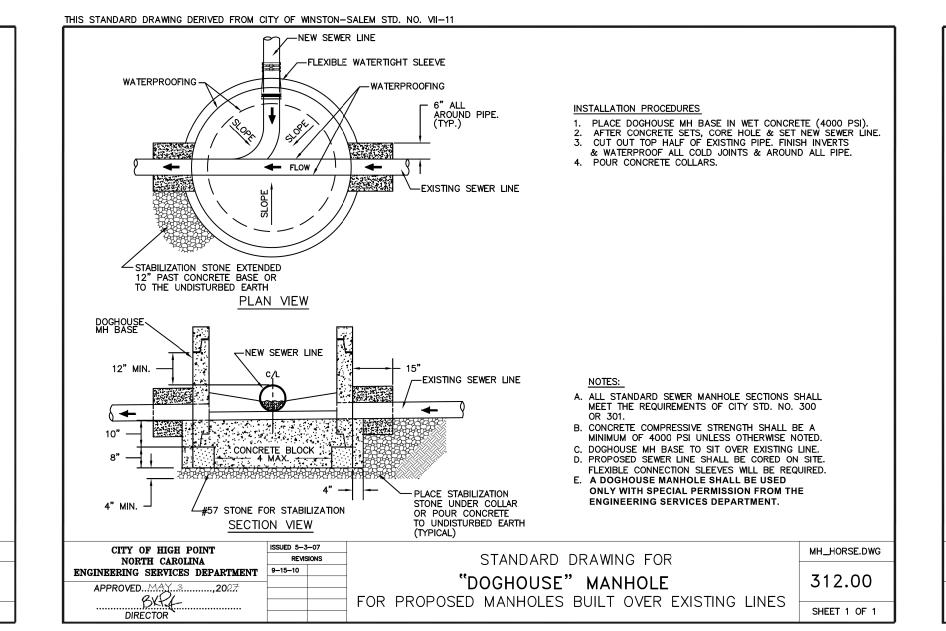


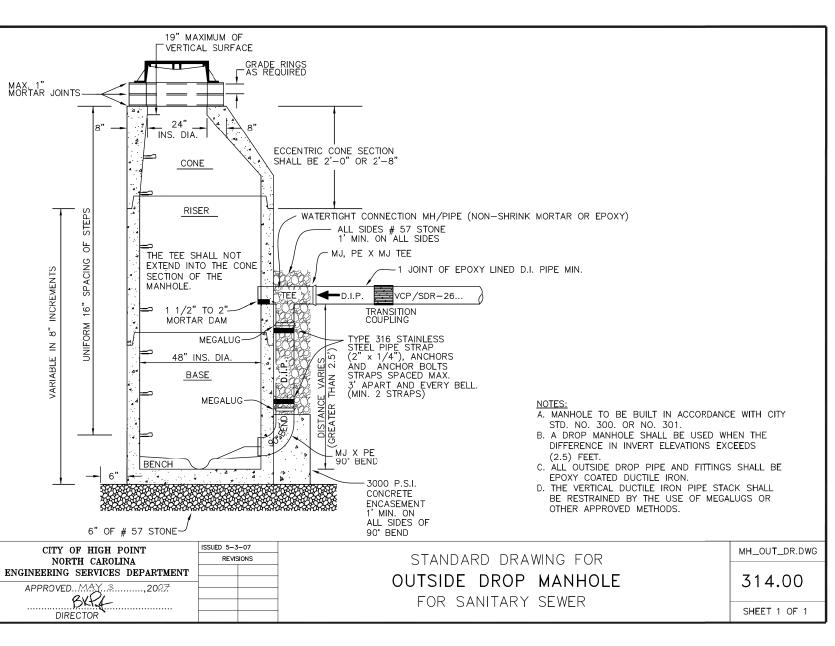


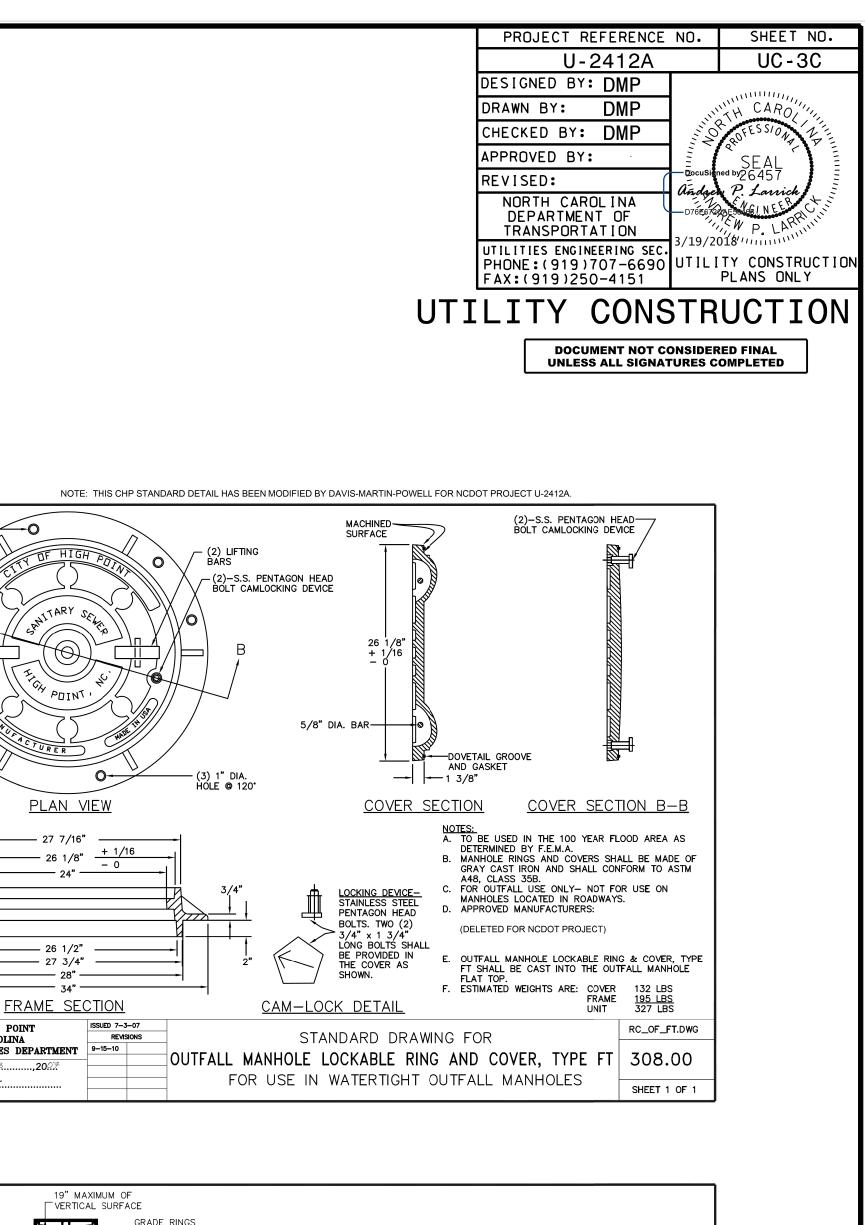
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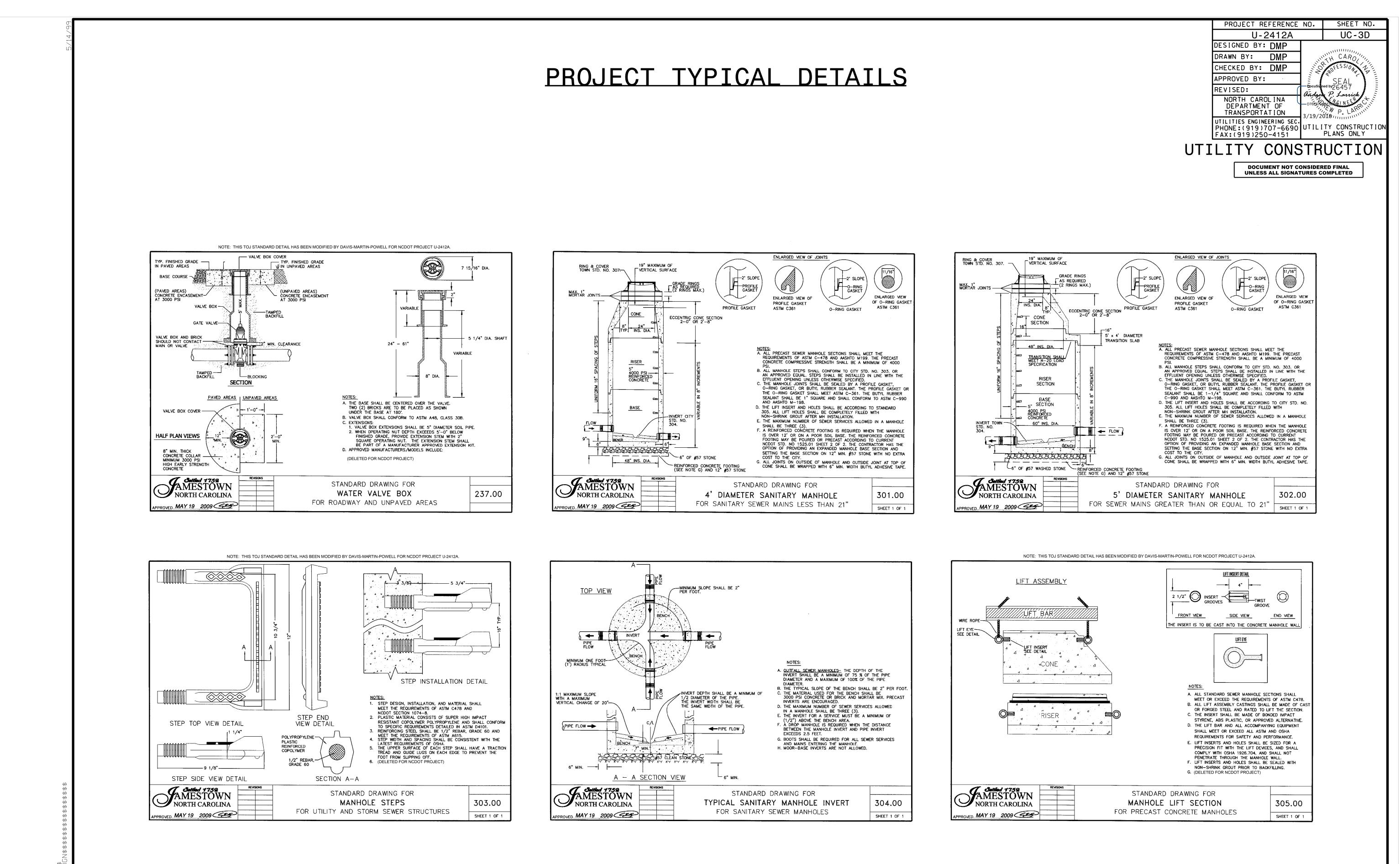
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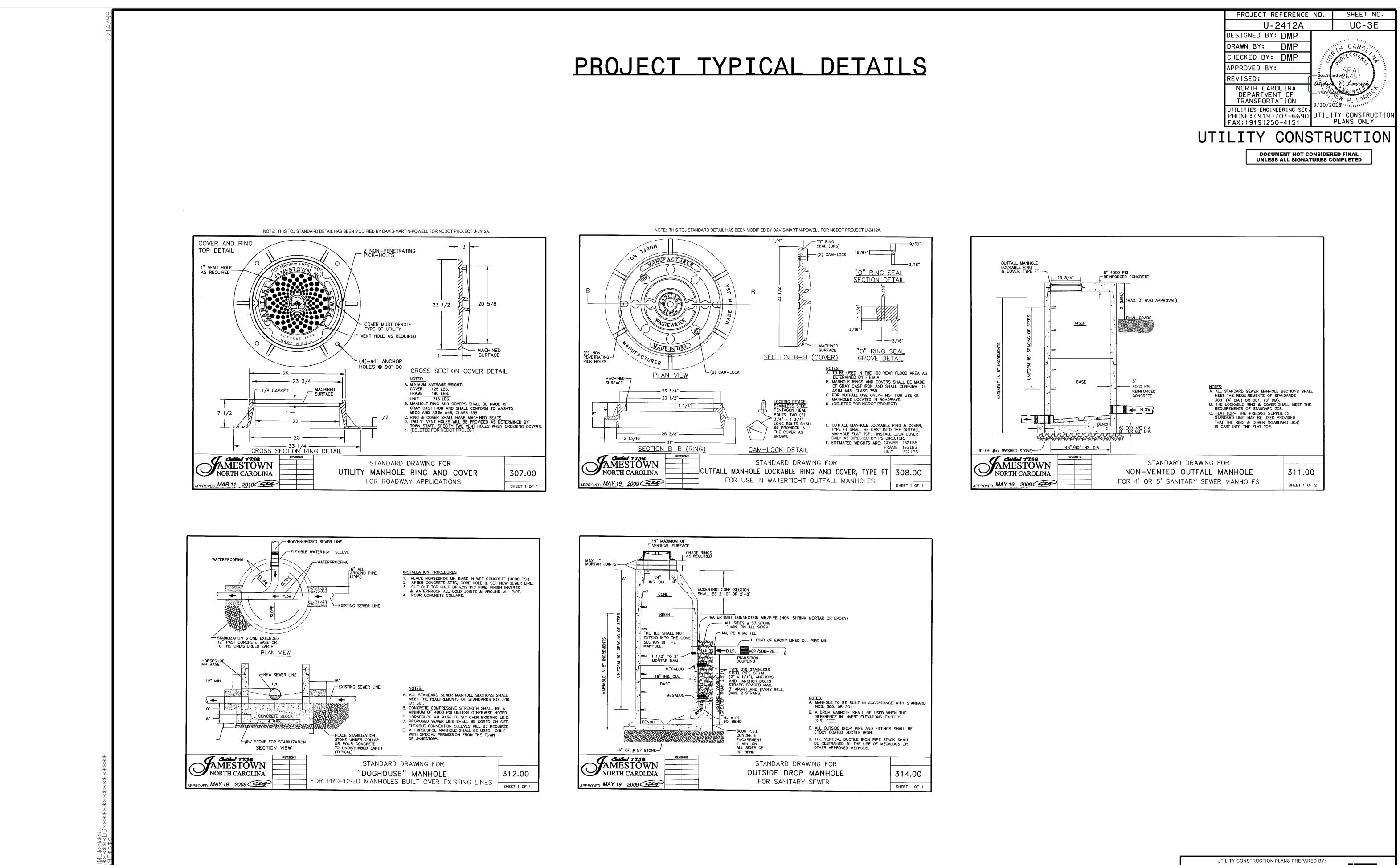




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