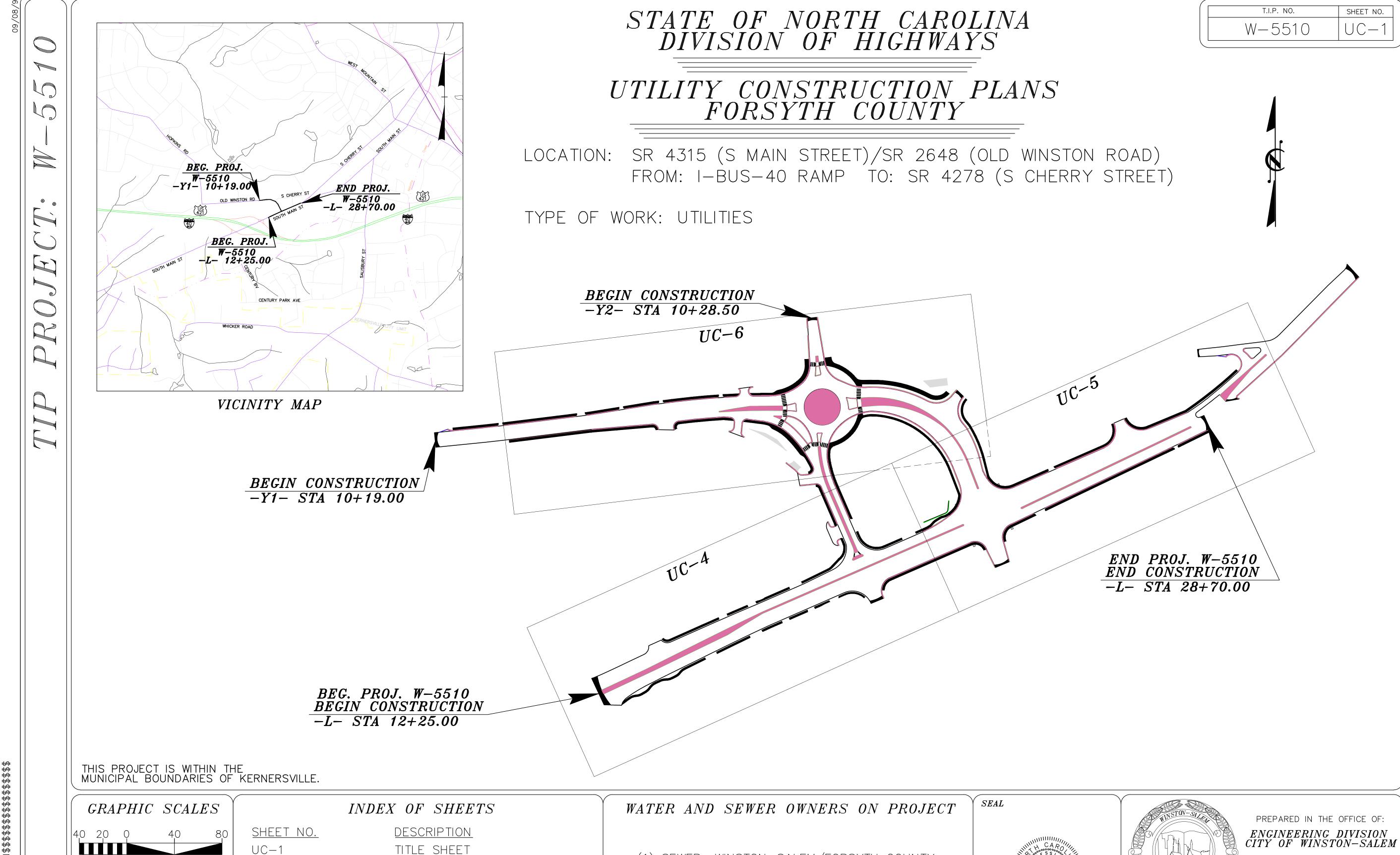
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(1) SEWER: WINSTON-SALEM/FORSYTH COUNTY

(2) WATER: WINSTON-SALEM/FORSYTH COUNTY

UTILITIES COMMISSION

UTILITIES COMMISSION

P.O. BOX 2511

WINSTON-SALEM, NC 27102

PHONE: (336) 727-8000

FAX: (336) 727-2361

PROJECT ENGINEER

TODD M. LEWIS, P.E.

TITLE SHEET

NOTES

UC-3A THRU UC-3D DETAILS

UC-4 THRU UC-6

UC-7 THRU UC-8

UTILITY SYMBOLOGY

PROFILE SHEETS

UTILITY CONSTRUCTION SHEETS

UC-2

UC-3

PROFILE (HORIZONTAL

PROFILE (VERTICAL

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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

Encasement by Open Cut

Encasement

Power Pole

PROJECT REFERENCE NO.

W - 5510

UTILITY
CONSTRUCTION
PLANS ONLY

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

Ihrust Block	 	 	
Air Release Valve	 	 	· · ⊗

Plan Note	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 ss
Hand Hole for Cable	Aboveground Gravity Sanitary Sewer Line - A/G Sanitary Sewer
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 AATUR	Sanitary Sewer Cleanout
End of Information	

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

	PROPOS	ED	WAT	ER	SYMBOL	S
Water Line	(Sized as Shown)					
11 1/4 Dec	gree Bend			++		
22 1/2 De	gree Bend·····			+		
45 Degree	Bend			+×		
90 Degree	Bend			+ 🛨		
Plug · · · ·				· • •		
Tee · · · ·				+++		
Reducer · ·				· · •		
Gate Valve				🛇		
Tapping Va	lve · · · · · · · ·			🛇		
						
_	t					
	re Hydrant					
	e Hydrant					
	ater Meter					
	iter Meter					
remove wo	iter weter			···U		
	PROPOS					
						_
Gravity Sev (Sized as S	ver Lille Shown)					_

Manhole (Sized per Note)

PROJECT REFERENCE NO.
W-5510

UC-3

UTILITY

CONSTRUCTION

PLANS ONLY

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CONSTRUCTION

PLANS ONLY

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CONSTRUCTION

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SHEET NO.

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 2012 OR THE PROJECT SPECIAL PROVISIONS UTILITY CONSTRUCTION.
- 2. THE EXISTING UTILITIES BELONG TO WINSTON-SALEM / FORSYTH COUNTY UTILITY COMMISSION.
- 3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, 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 AND NATURAL RESOURCES, 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 OPPROTUNITY 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

INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR

BETTER CONDITION AT NO ADDITONAL COST TO THE

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.

DEPARTMENT.

TO EXISTING FACILITIES. REPAIR ANY DAMAGE

- 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 AND APPROVED BY THE DEPARTMENT AND THE UTILITY OWNER.
- 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. ALL VALVES 3" THROUGH 16" SHALL BE GATE VALVES.

UC-3A

UTILITY
CONSTRUCTION
PLANS ONLY

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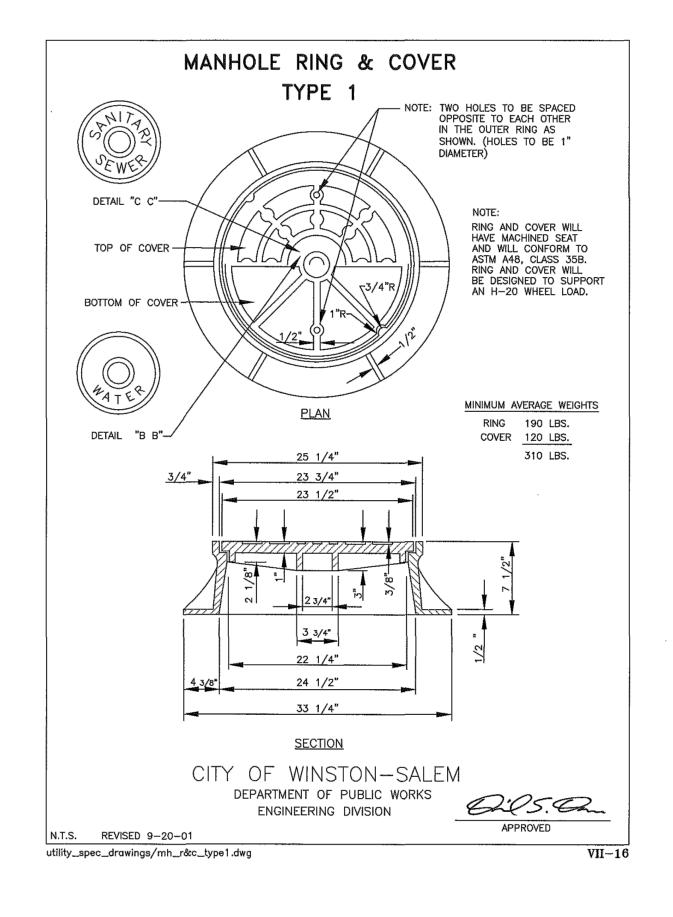
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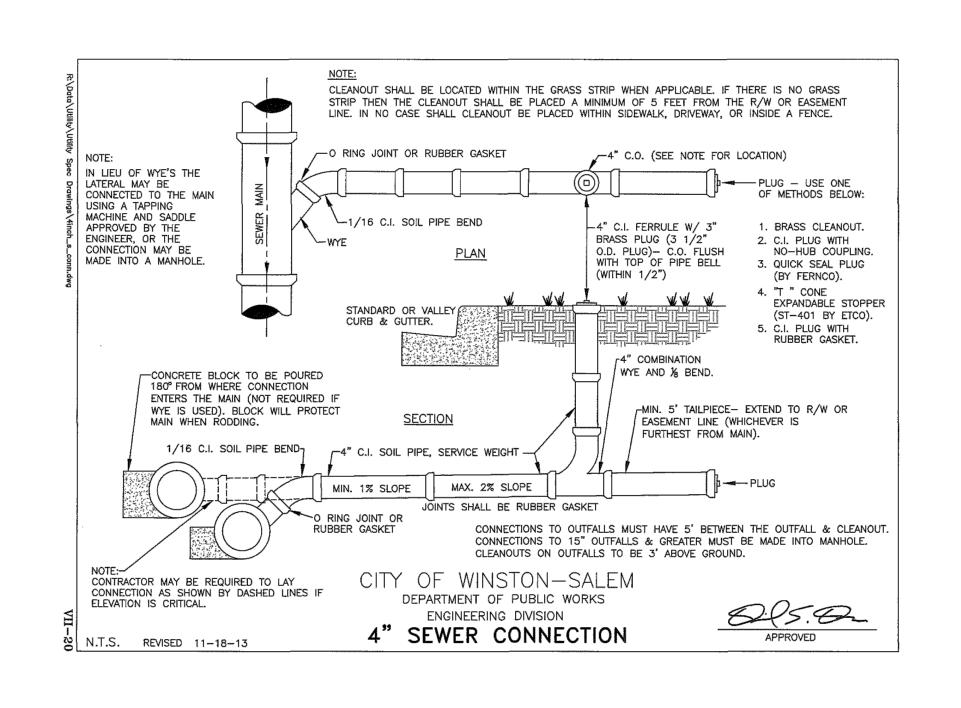
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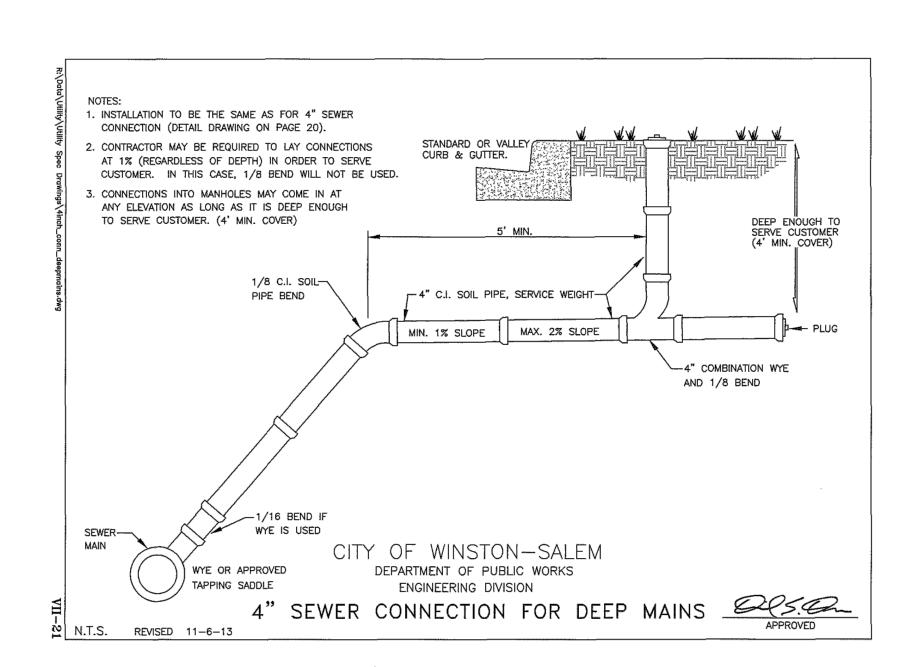
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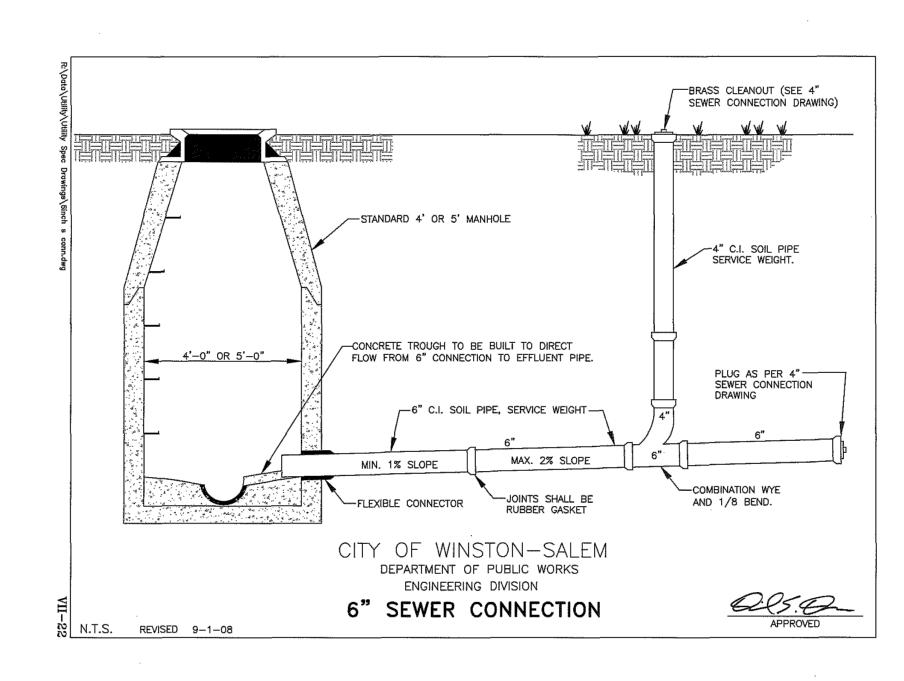
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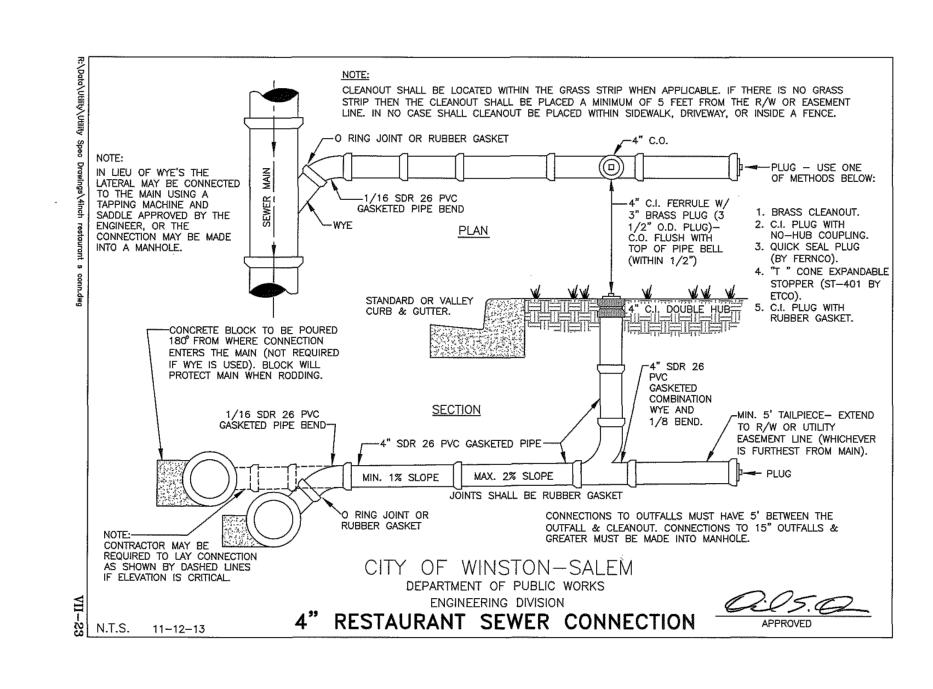


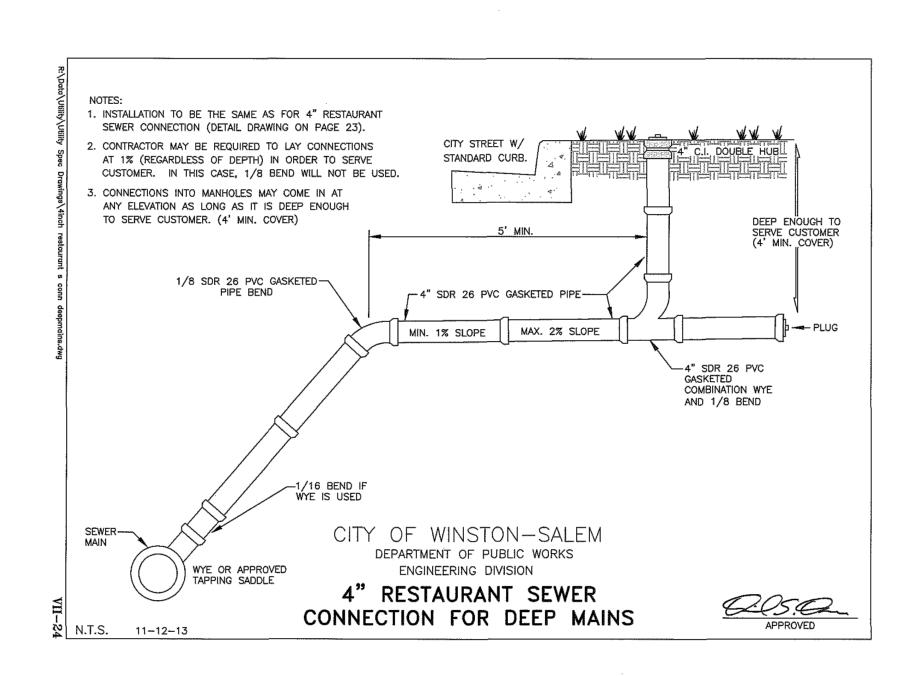


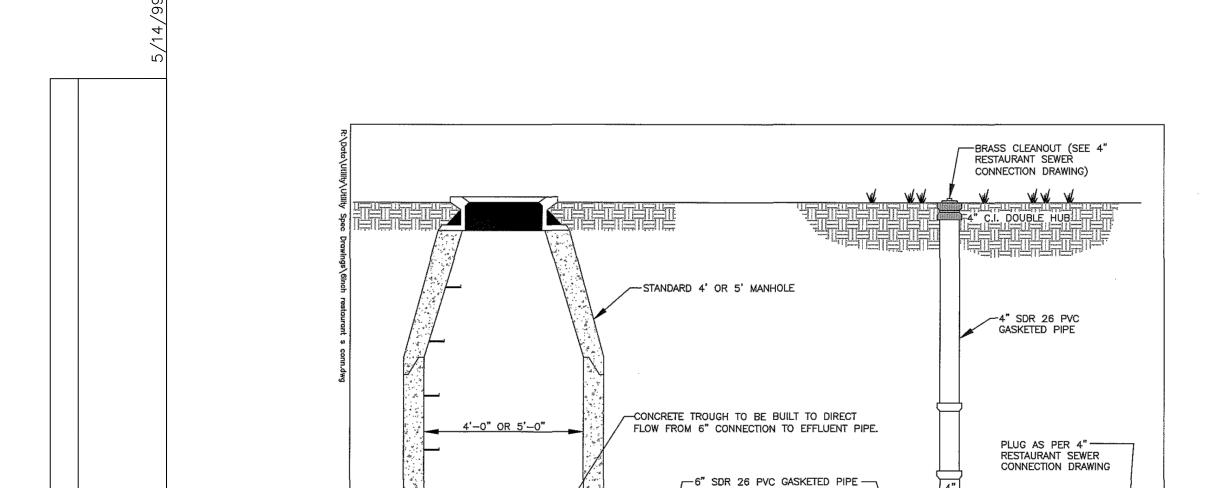




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N.T.S. 11-12-13

MIN. 1% SLOPE

-FLEXIBLE CONNECTOR

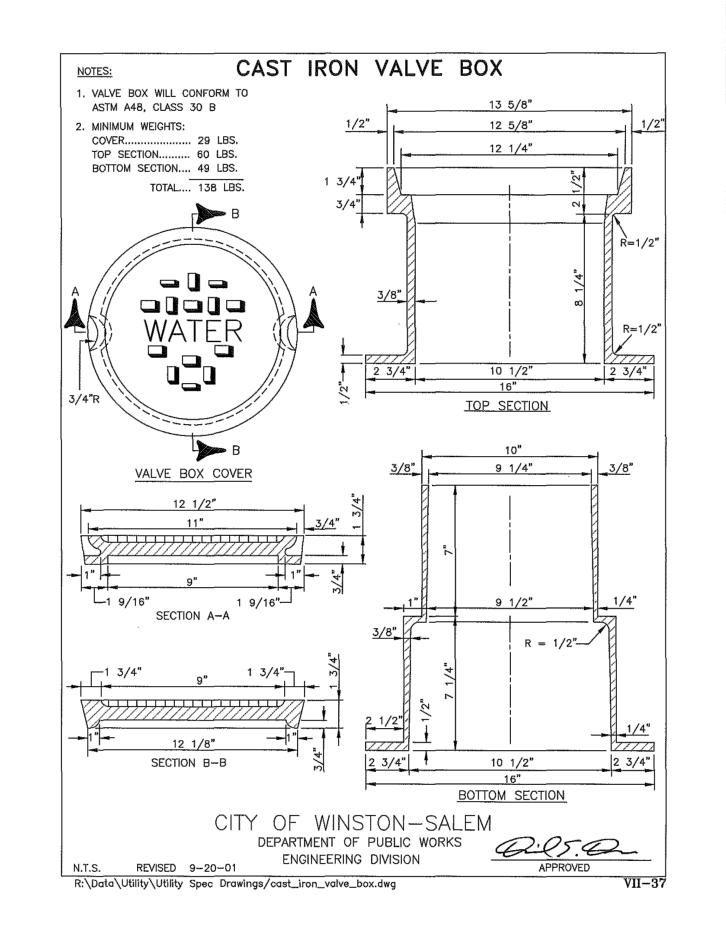
CITY OF WINSTON-SALEM

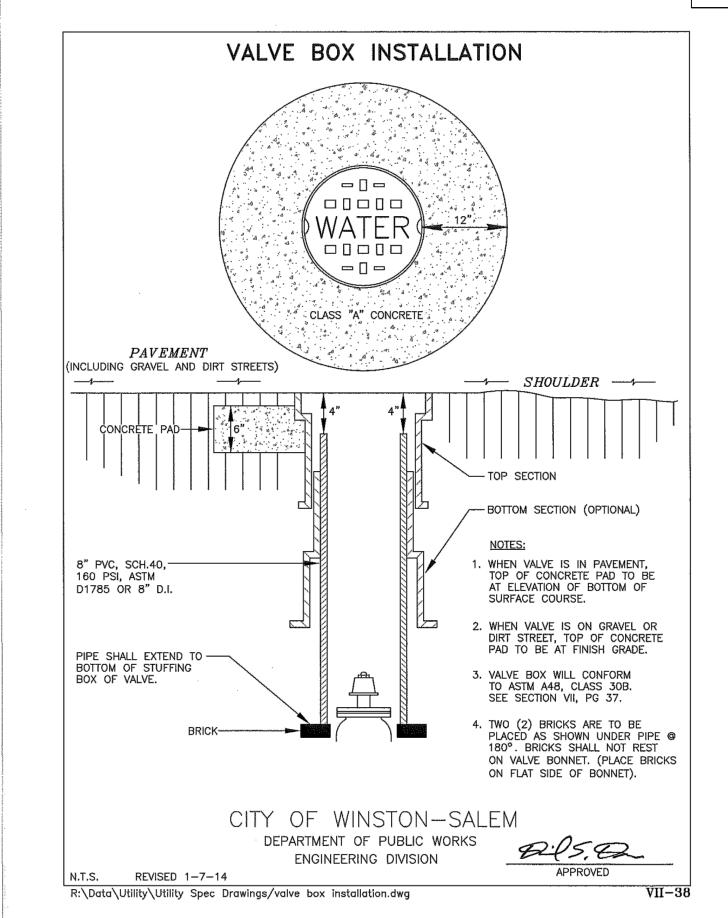
6" RESTAURANT SEWER CONNECTION

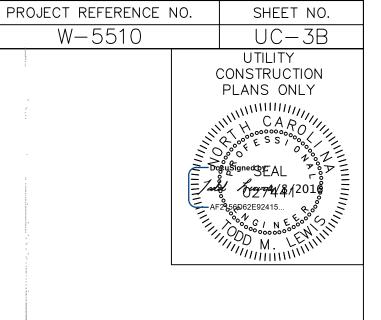
DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION

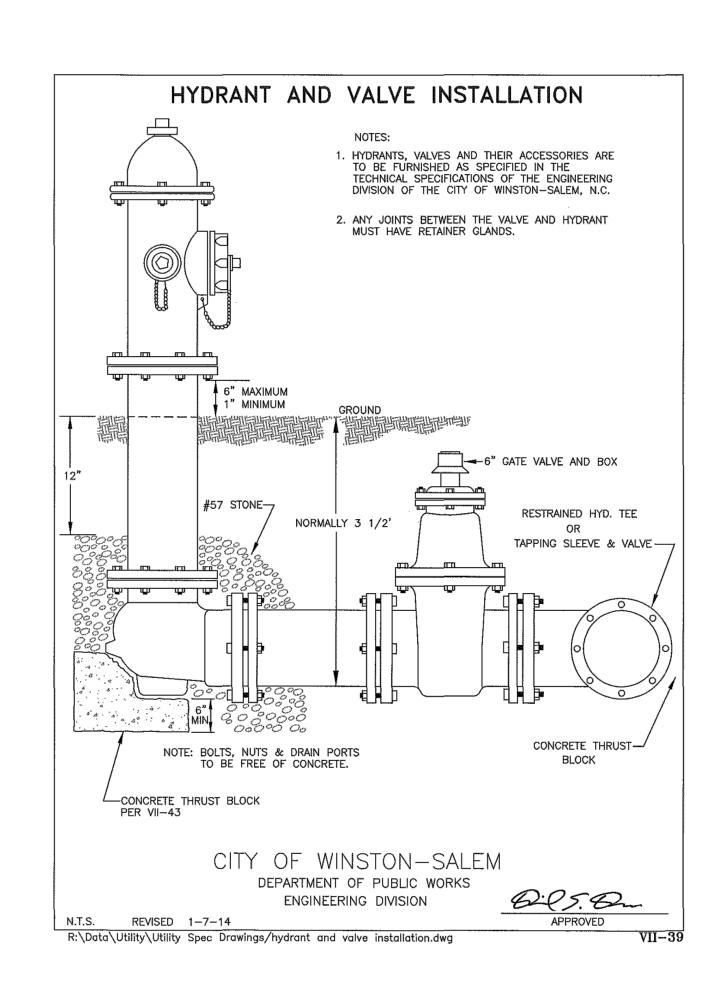
MAX. 2% SLOPE

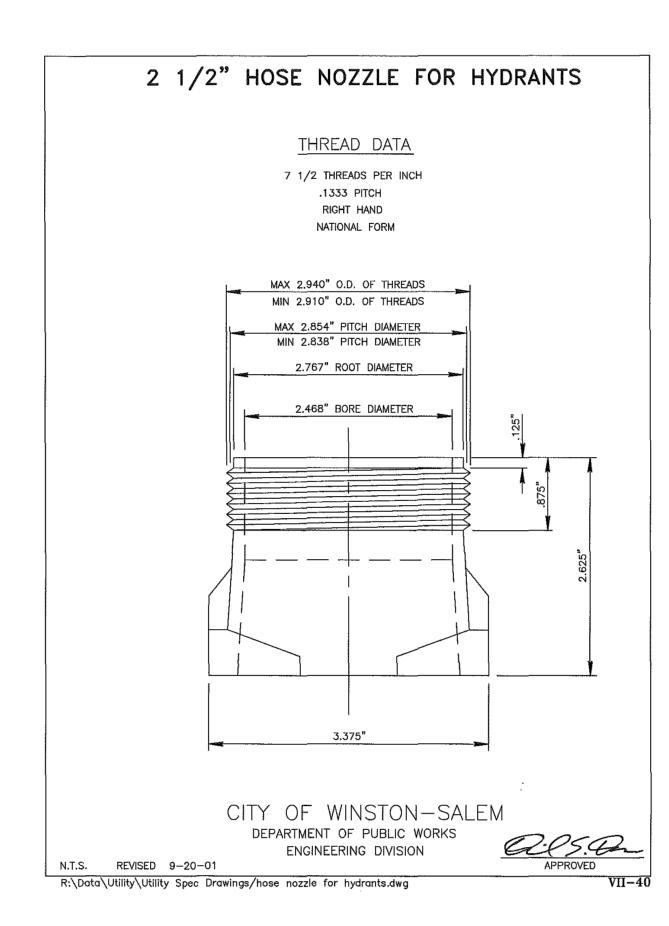
—6" X 4" SDR 26 PVC GASKETED COMBINATION WYE AND 1/8 BEND.

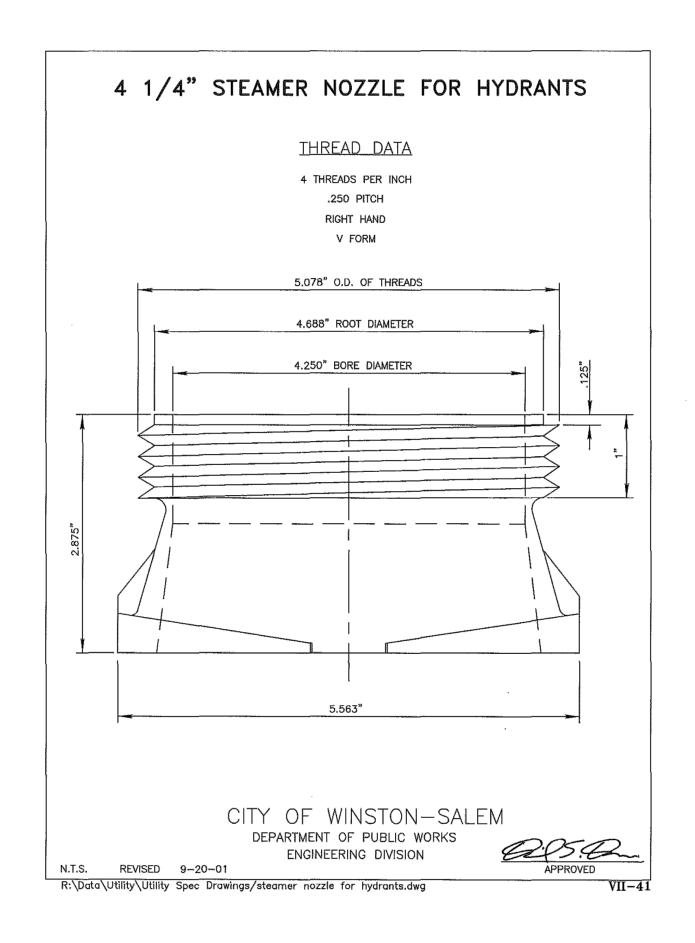


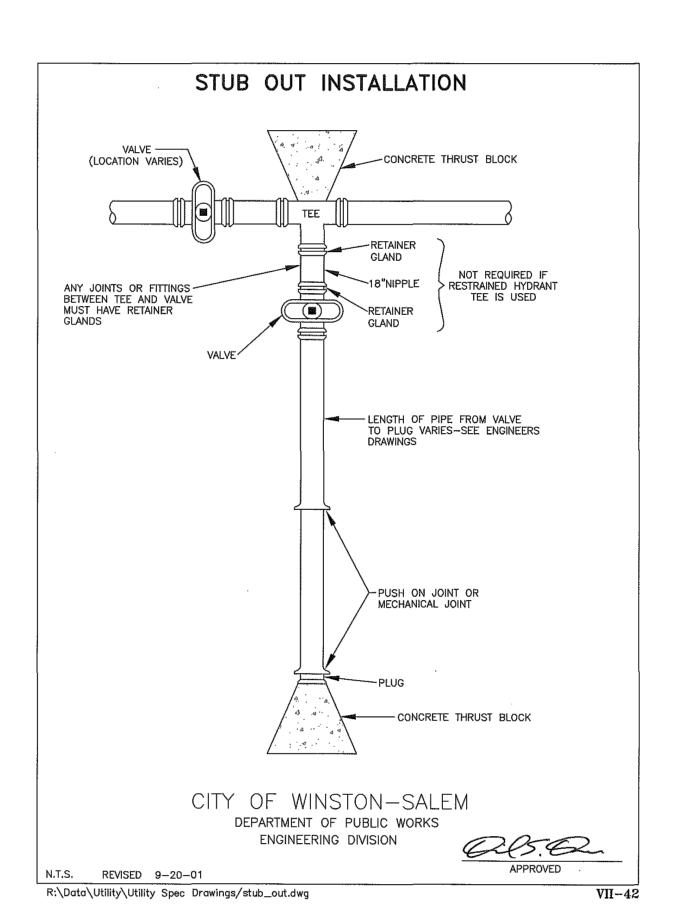












NOTES:

I. MINIMUM WEIGHTS:

A- 5/8" BOX w/COVER....103 LBS.

B- 1" BOX w/COVER....120 LBS.

3. 5/8" BOX DIMENSIONS ARE SHOWN

F. 1" METER BOX IS 6" LONGER THAN 5/8" BOX. ALL OTHER DIMENSIONS

2. METER BOX WILL CONFORM TO ASTM A48, CLASS 30B.

ARE SAME AS SHOWN.

LIP DETAIL

N.T.S. REVISED 9-1-08

R:\Data\Utility\Utility Spec Drawings/meter box.dwg

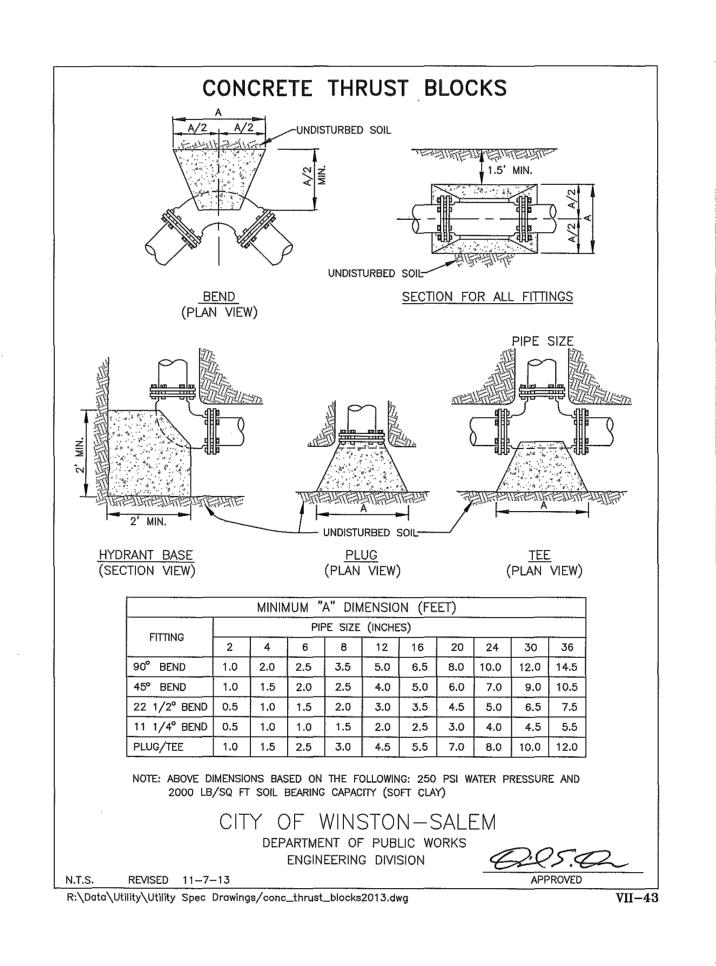
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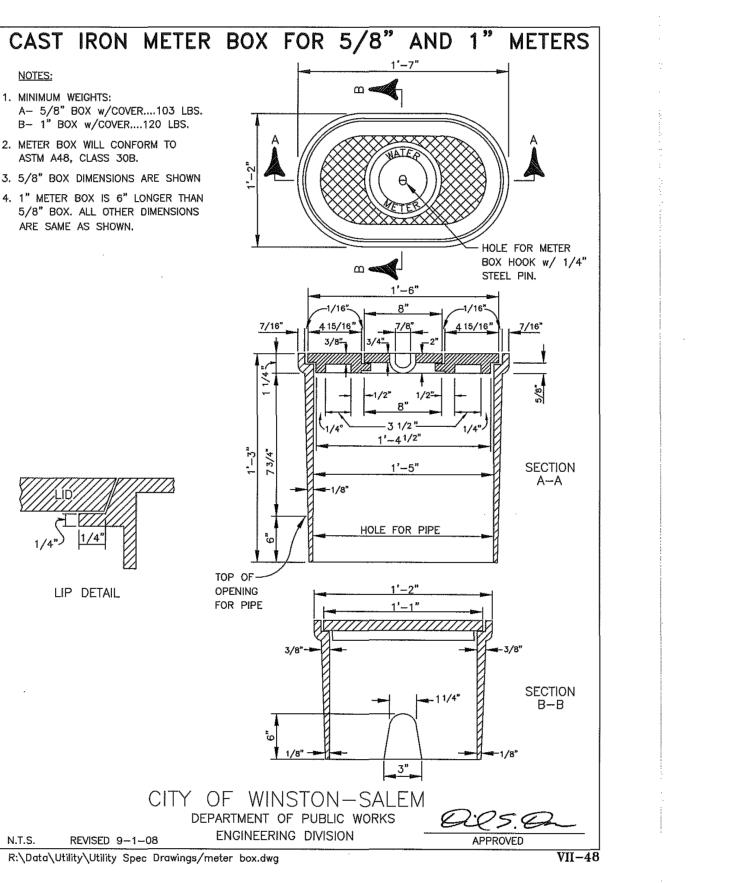
FOR PIPE

CITY OF WINSTON-SALEM

ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

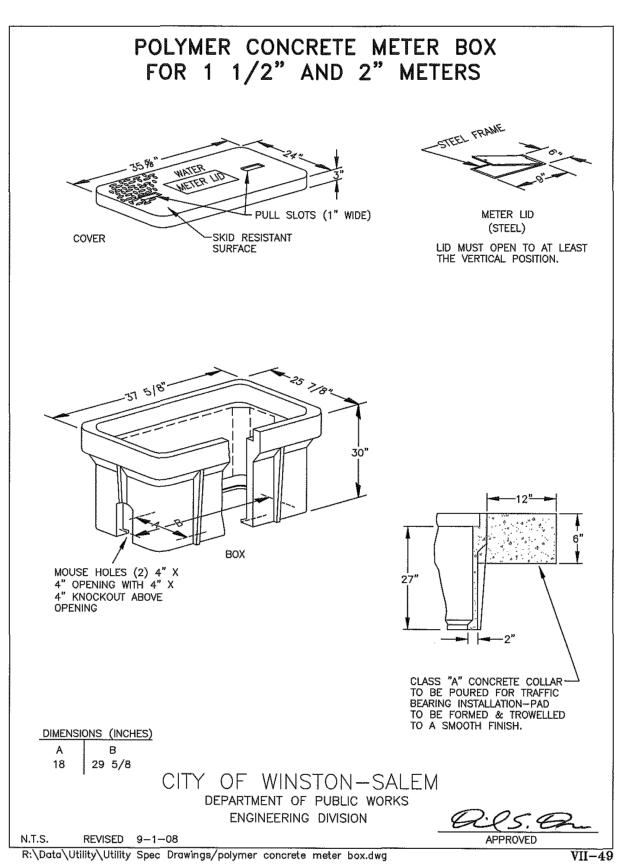


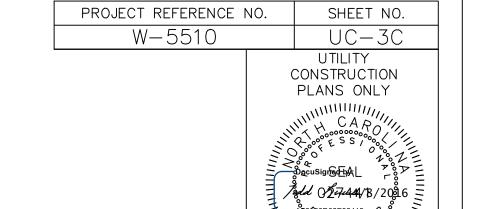


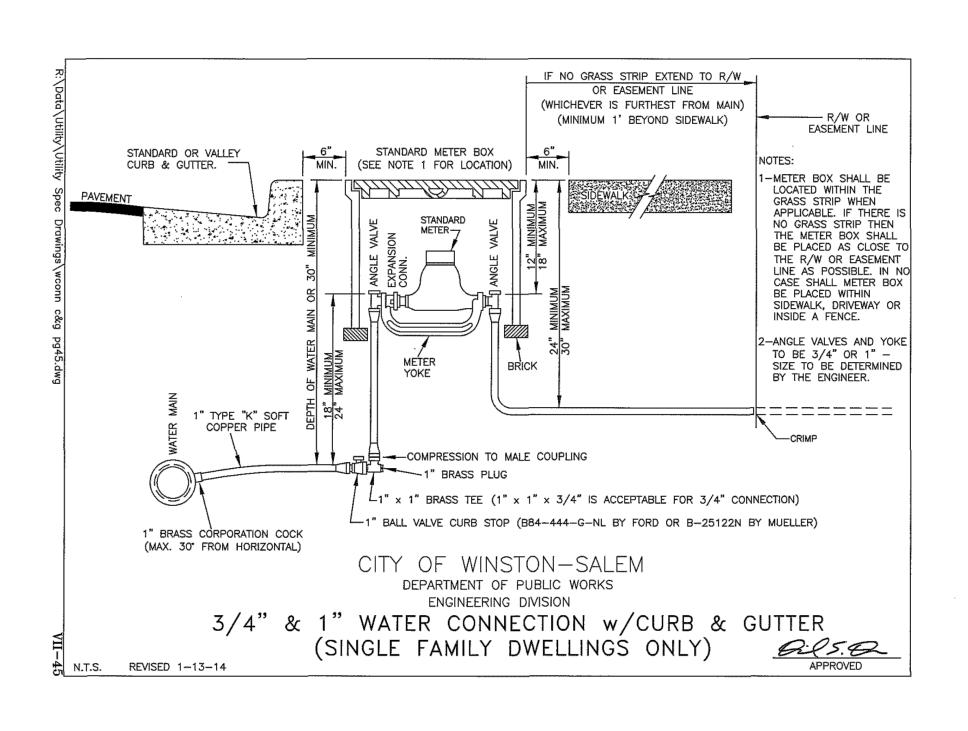
—— 3 1/2 "—— 1'-41/2"

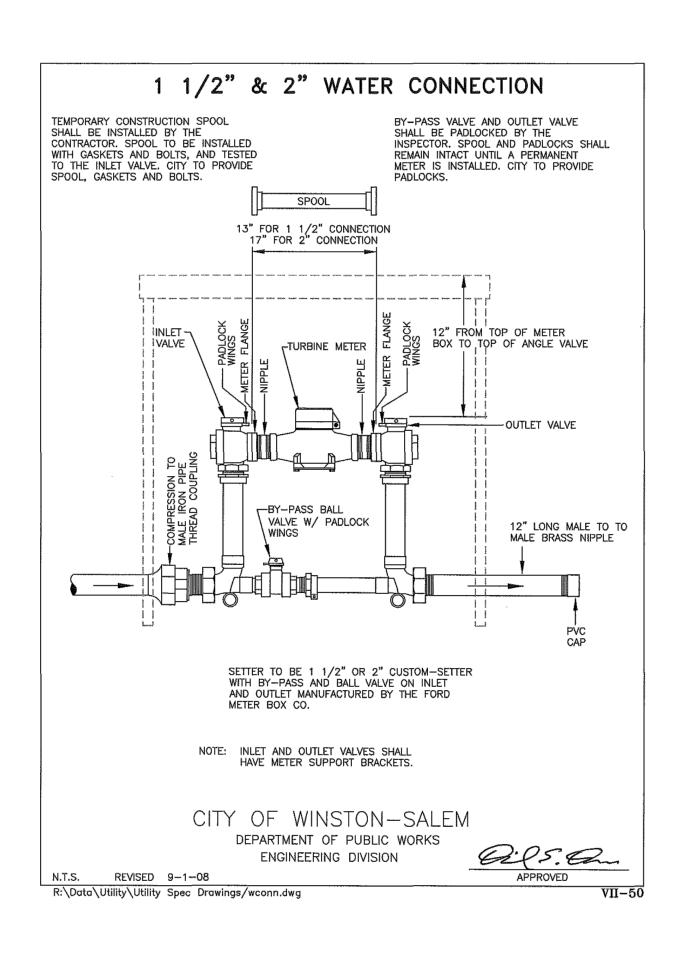
HOLE FOR PIPE

APPROVED

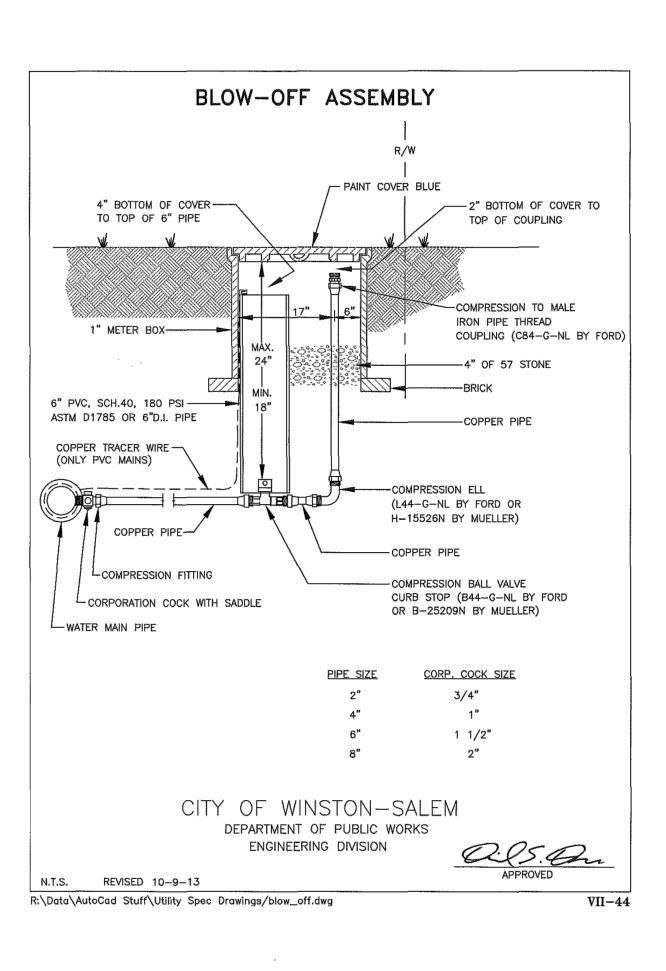




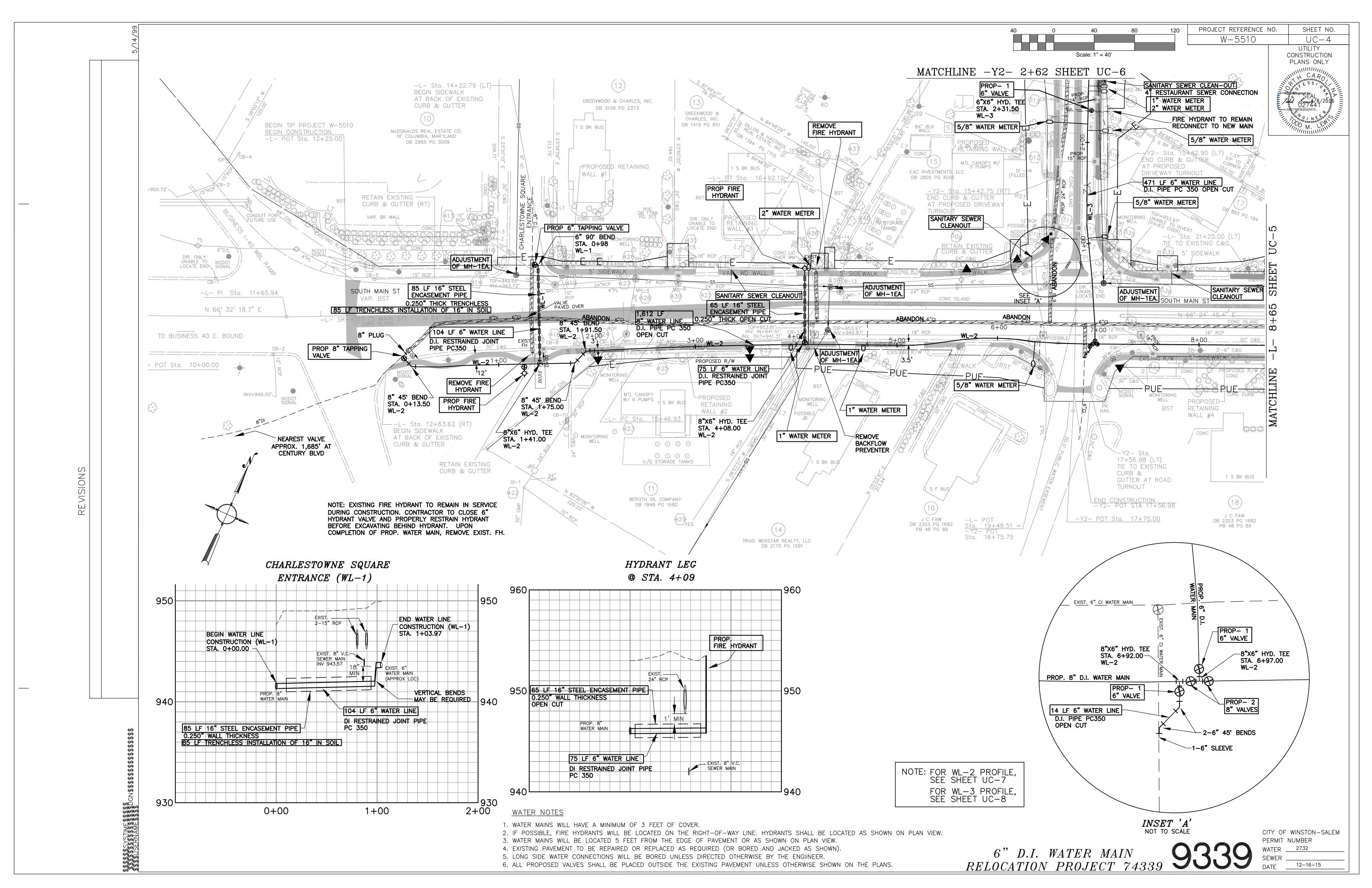


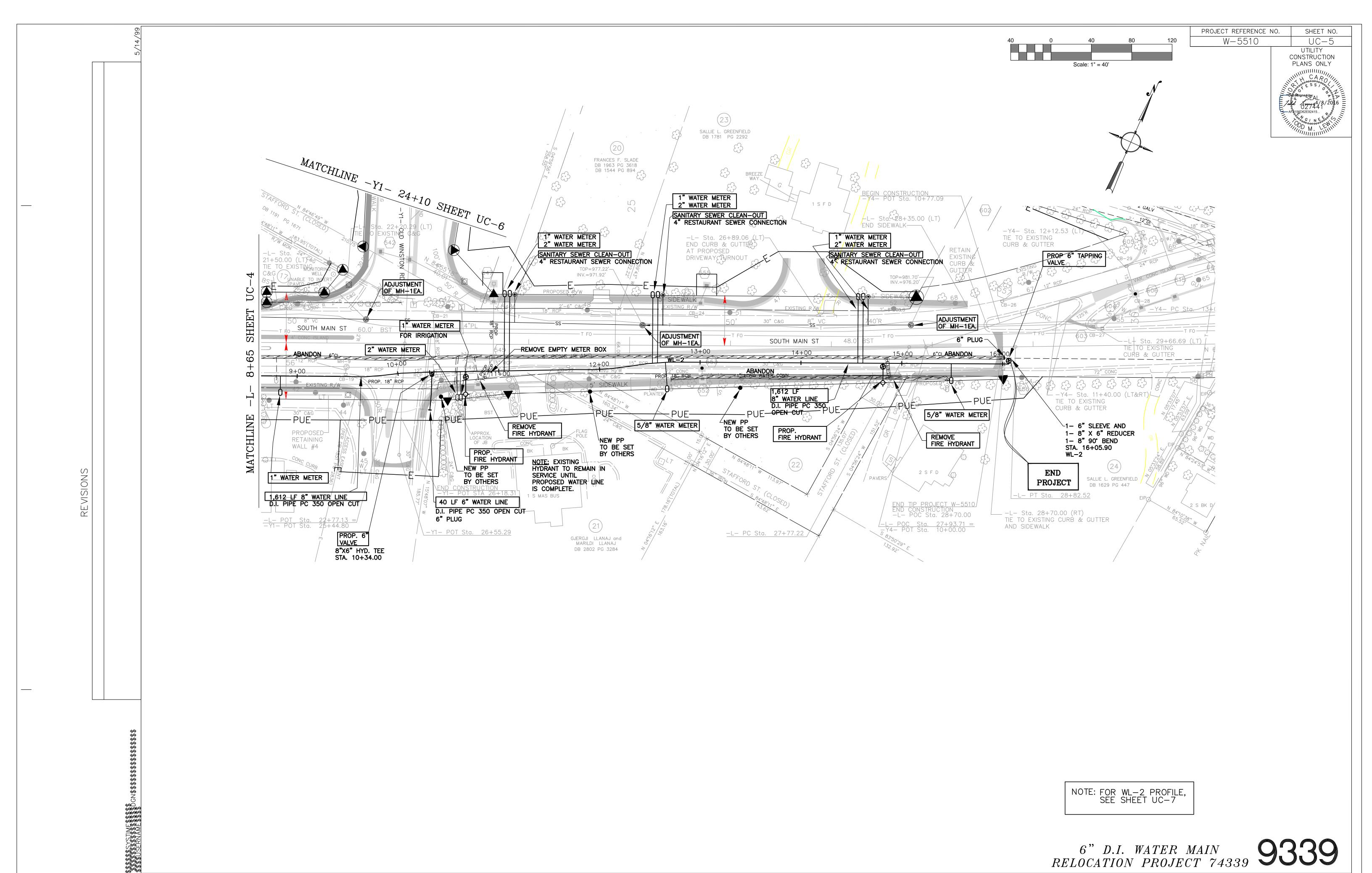


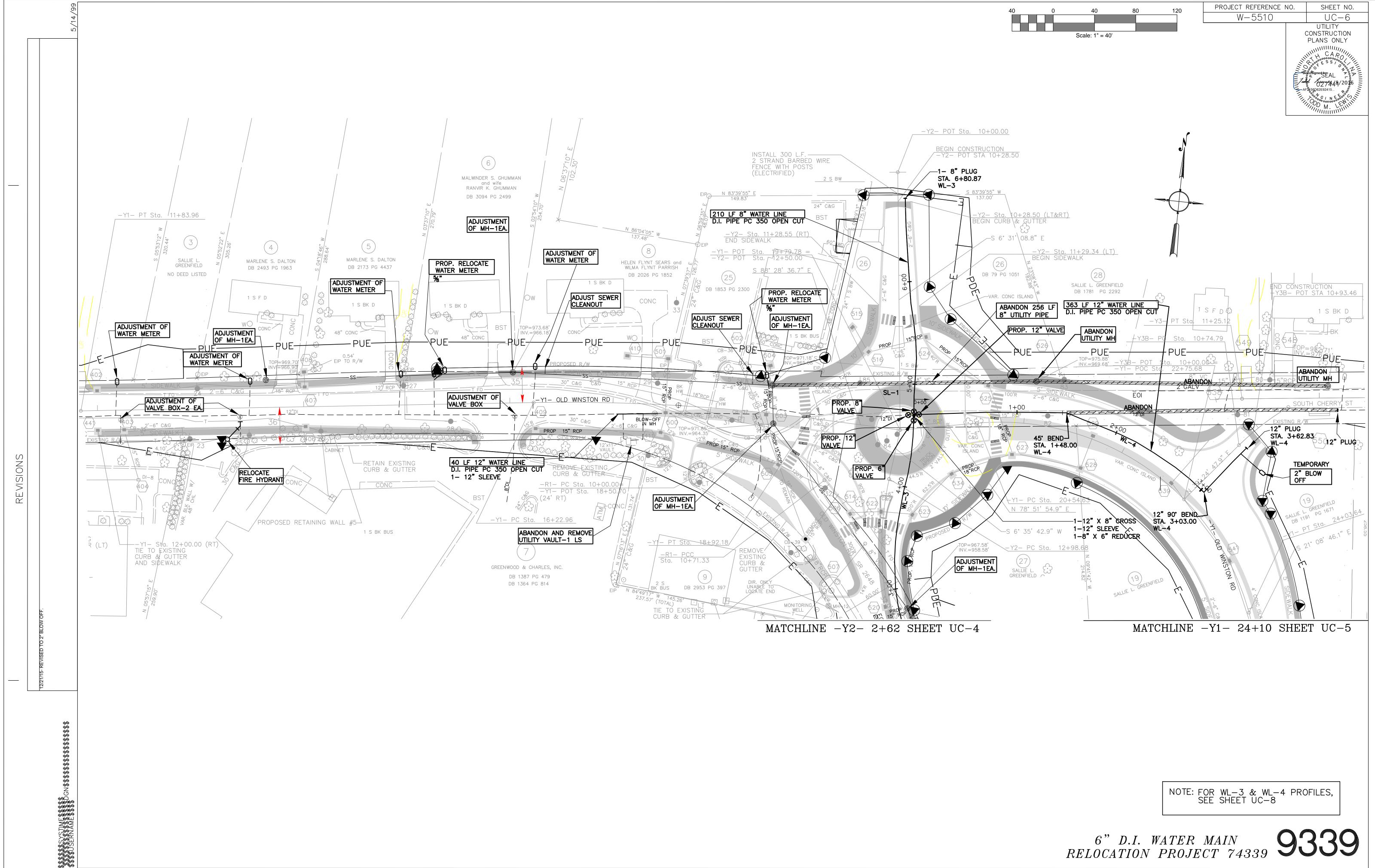
PROJECT REFERENCE NO. SHEET NO. W-5510 UC-3D UTILITY CONSTRUCTION PLANS ONLY



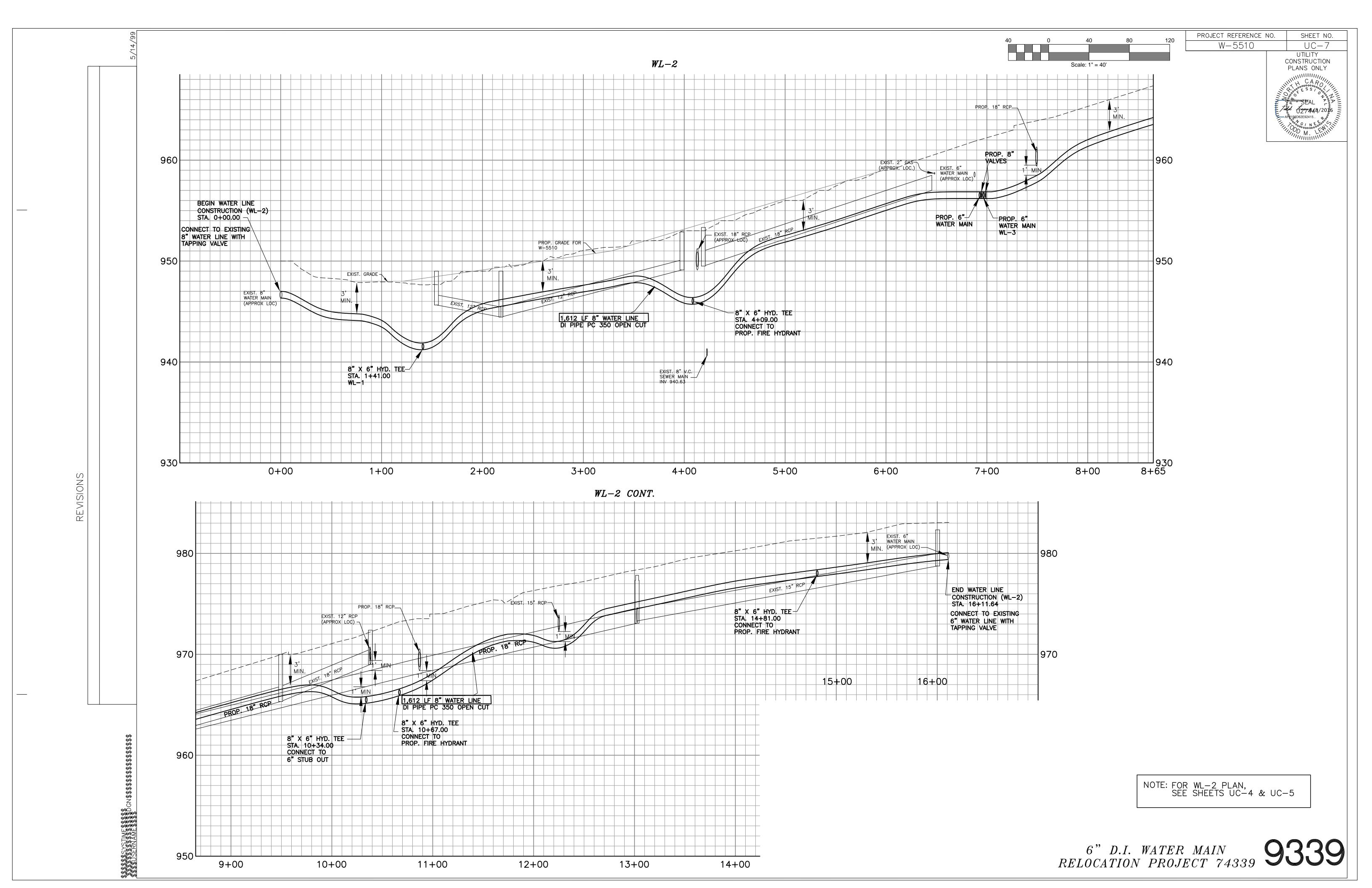
REVISIONS







6" D.I. WATER MAIN RELOCATION PROJECT 74339

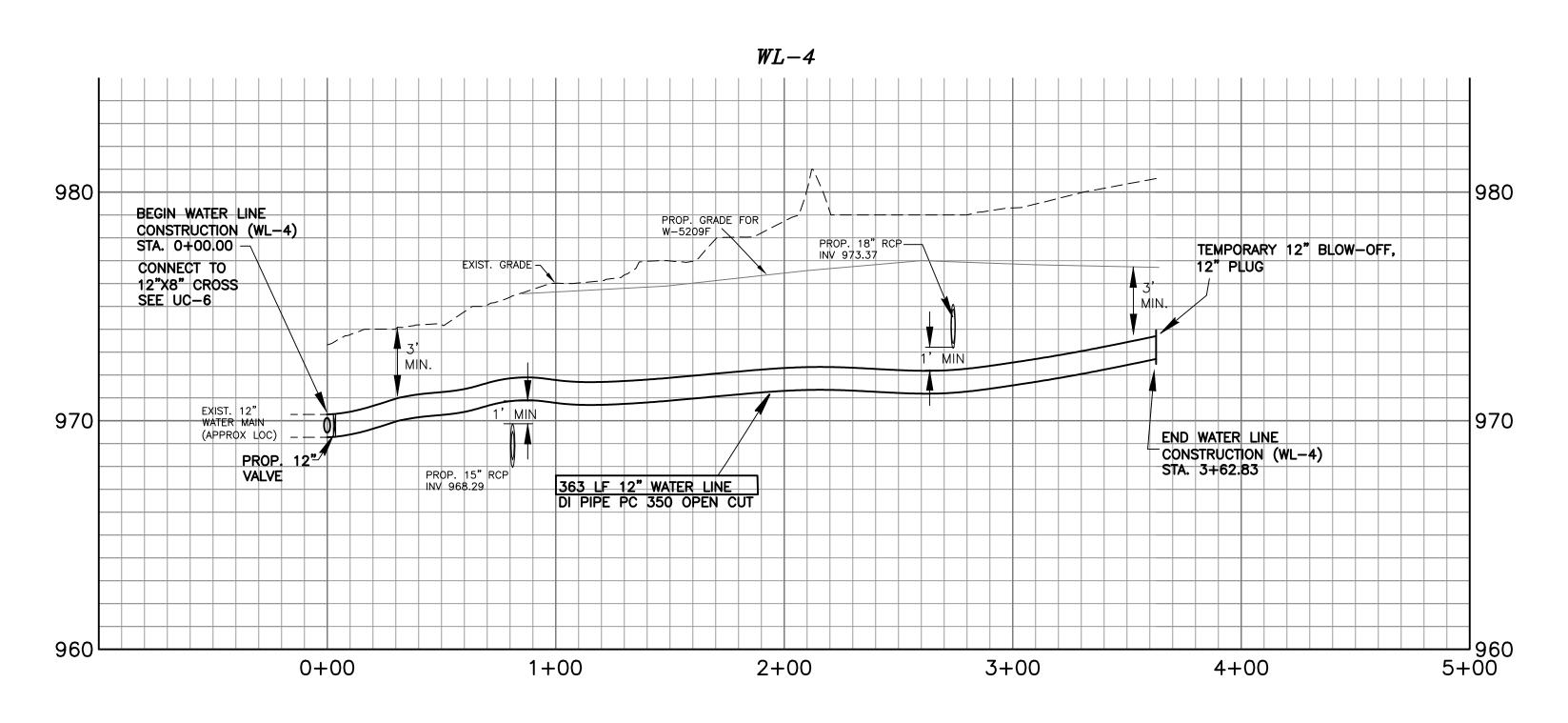


PROJECT REFERENCE NO. W-5510

Scale: 1" = 40'

UC-8 UTILITY CONSTRUCTION PLANS ONLY

SHEET NO.



NOTE: FOR WL-3 PLAN, SEE SHEETS UC-4 & UC-6 FOR WL-4 PLAN, SEE SHEET UC-6