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09/08/99

TIP PROJECT: W-5510

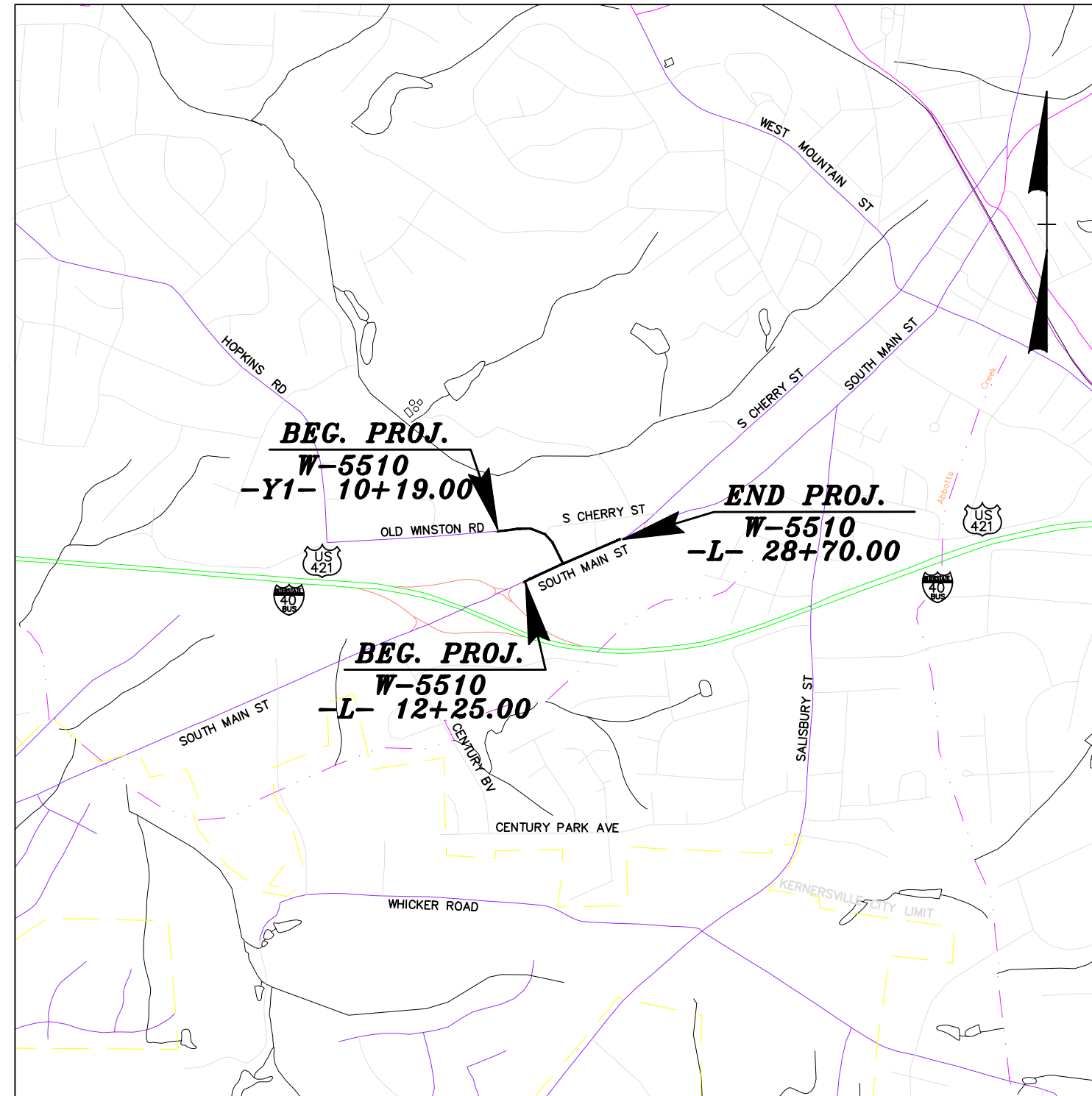
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
W-5510	UC-1

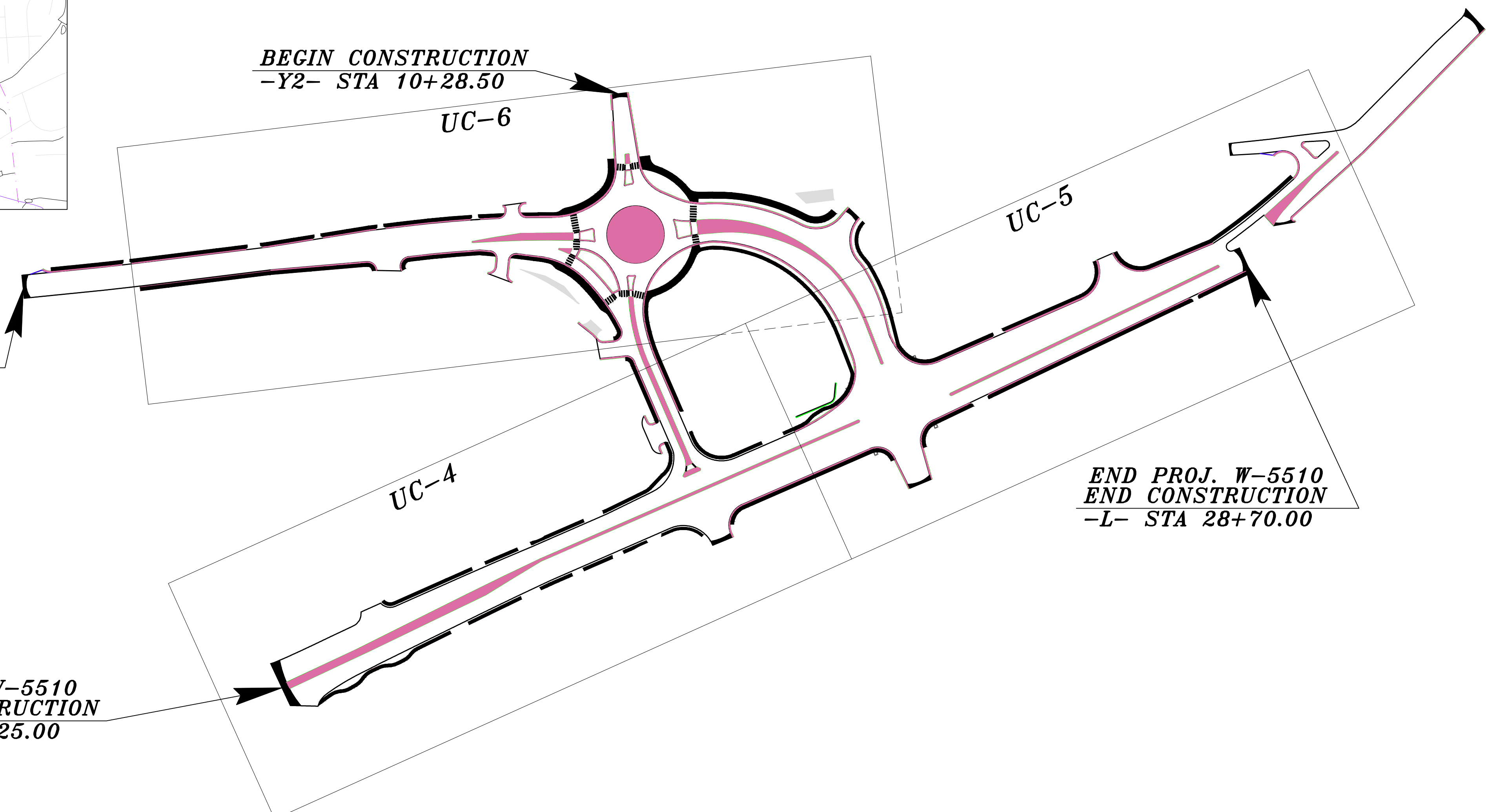
## UTILITY CONSTRUCTION PLANS FORSYTH COUNTY

LOCATION: SR 4315 (S MAIN STREET)/SR 2648 (OLD WINSTON ROAD)  
FROM: I-BUS-40 RAMP TO: SR 4278 (S CHERRY STREET)

TYPE OF WORK: UTILITIES

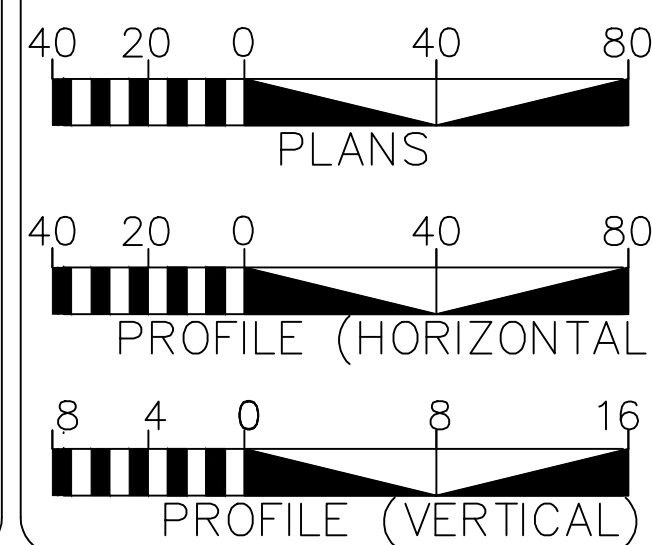


VICINITY MAP



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF KERNERSVILLE.

### GRAPHIC SCALES



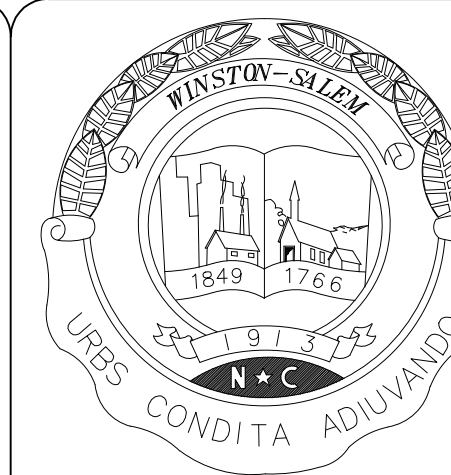
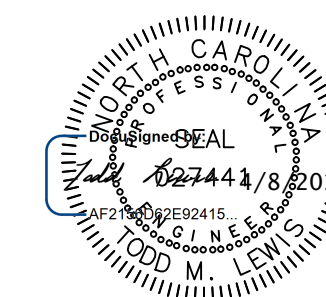
### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU UC-3D	DETAILS
UC-4 THRU UC-6	UTILITY CONSTRUCTION SHEETS
UC-7 THRU UC-8	PROFILE SHEETS

### WATER AND SEWER OWNERS ON PROJECT

- (1) SEWER: WINSTON-SALEM/FORSYTH COUNTY UTILITIES COMMISSION
- (2) WATER: WINSTON-SALEM/FORSYTH COUNTY UTILITIES COMMISSION

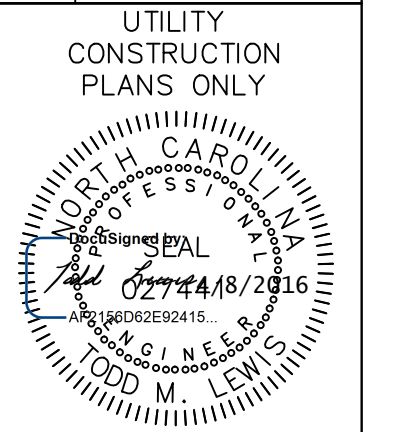
SEAL



PREPARED IN THE OFFICE OF:  
**ENGINEERING DIVISION  
CITY OF WINSTON-SALEM**

P.O. BOX 2511  
WINSTON-SALEM, NC 27102  
PHONE: (336) 727-8000  
FAX: (336) 727-2361

TODD M. LEWIS, P.E. PROJECT 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
- Reducer
- Gate Valve
- Tapping Valve
- Fire Hydrant
- Relocate Fire Hydrant
- Remove Fire Hydrant
- Water Meter
- Relocate Water Meter
- Remove Water Meter

### PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

- Thrust Block
- Air Release Valve
- Plan Note
- Pay Item Note
- Encasement by Open Cut
- Encasement

### EXISTING UTILITIES SYMBOLS

- \*Underground Power Line
- \*Underground Telephone Cable
- \*Underground Telephone Conduit
- \*Underground Fiber Optics Telephone Cable
- \*Underground TV Cable
- \*Underground Fiber Optics TV Cable
- \*Underground Gas Pipeline
- Aboveground Gas Pipeline
- \*Underground Water Line
- Aboveground Water Line
- \*Underground Gravity Sanitary Sewer Line
- Aboveground Gravity Sanitary Sewer Line
- \*Underground SS Forced Main Line
- Underground Unknown Utility Line
- SUE Test Hole
- Water Meter
- Water Valve
- Fire Hydrant
- Sanitary Sewer Cleanout
- Power Pole
- Telephone Pole
- Joint Use Pole
- Utility Pole
- Utility Pole with Base
- H-Frame Pole
- Power Transmission Line Tower
- Water Manhole
- Power Manhole
- Telephone Manhole
- Sanitary Sewer Manhole
- Hand Hole for Cable
- Power Transformer
- Telephone Pedestal
- CATV Pedestal
- Gas Valve
- Gas Meter
- Located Miscellaneous Utility Object
- Abandoned According to Utility Records AATUR
- End of Information E.O.I.

### PROPOSED SEWER SYMBOLS

- Gravity Sewer Line (Sized as Shown)
- Manhole (Sized per Note)

\*For Existing Utilities

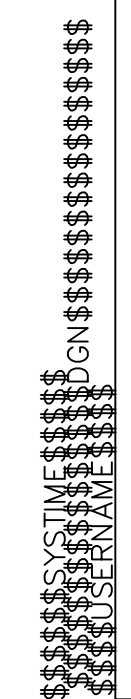
Utility Line Drawn from Record

Designated Utility Line

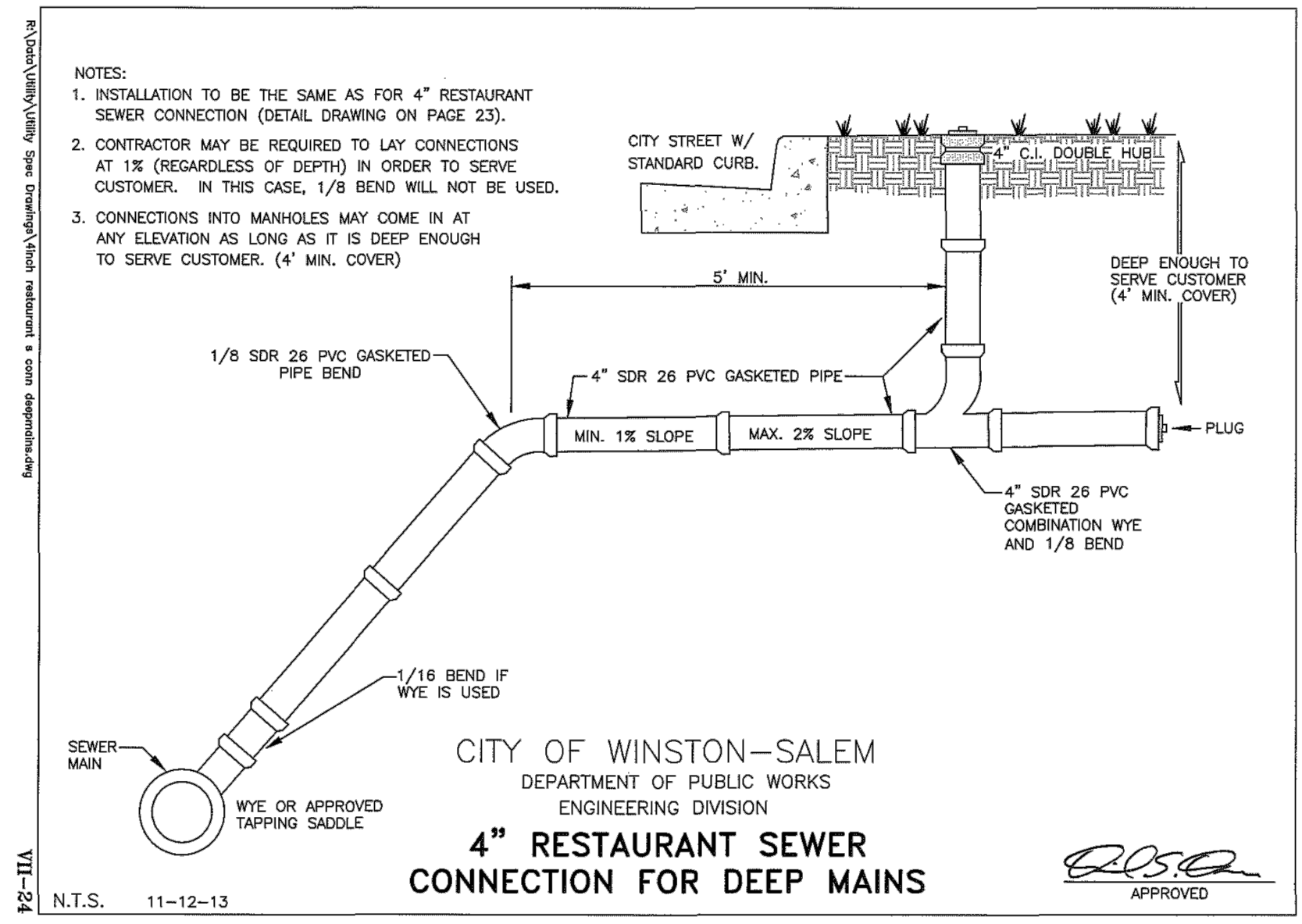
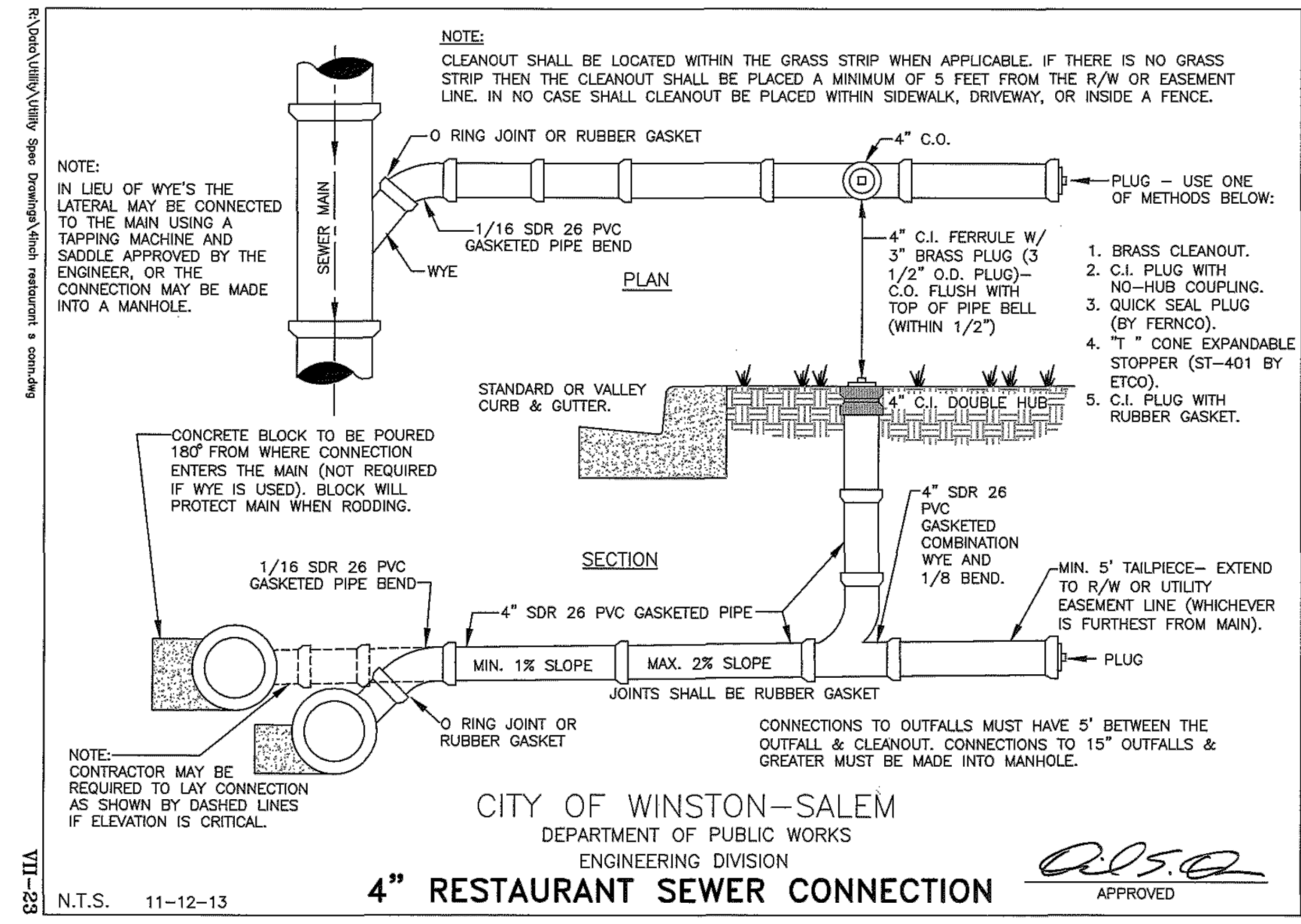
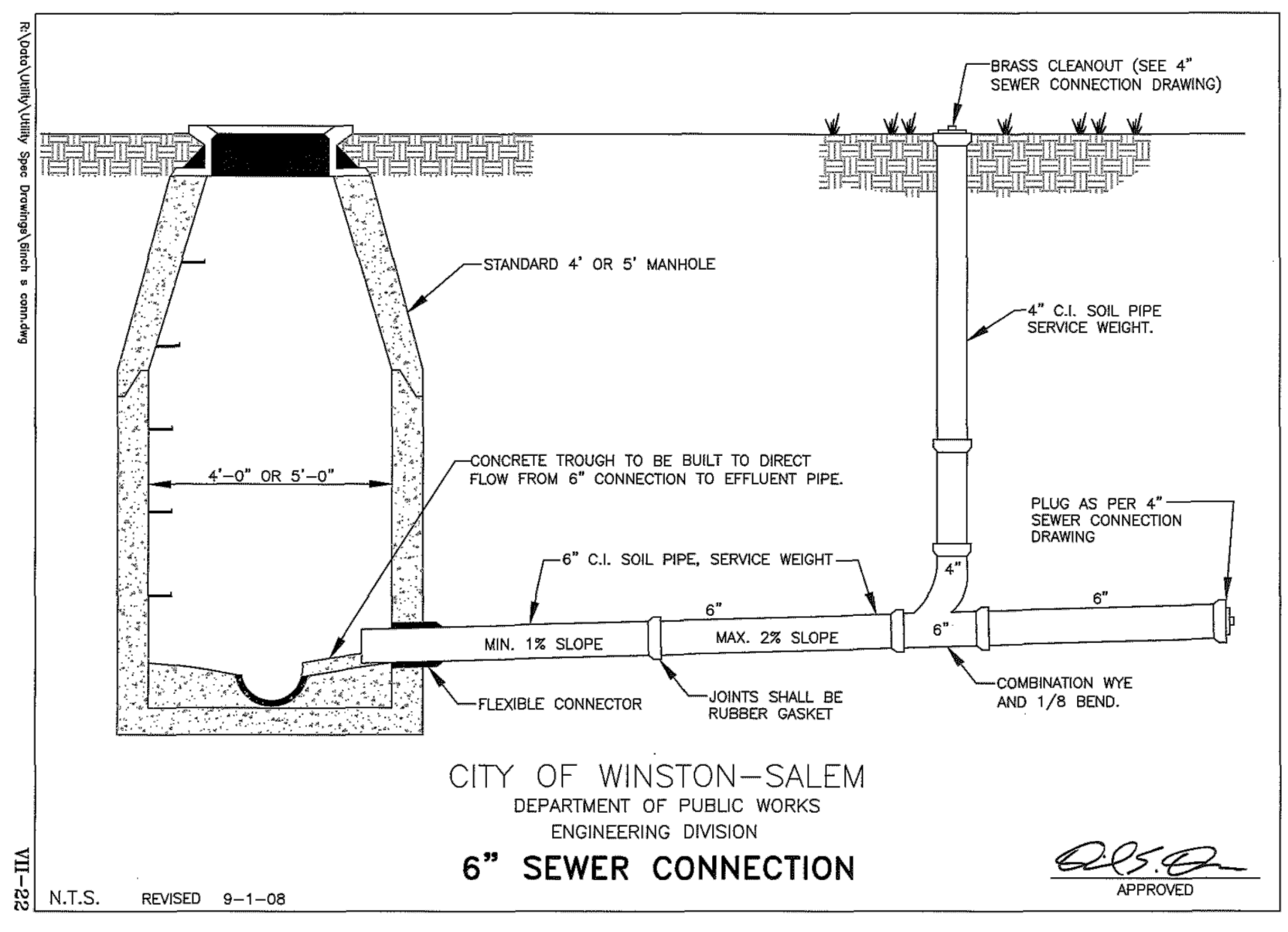
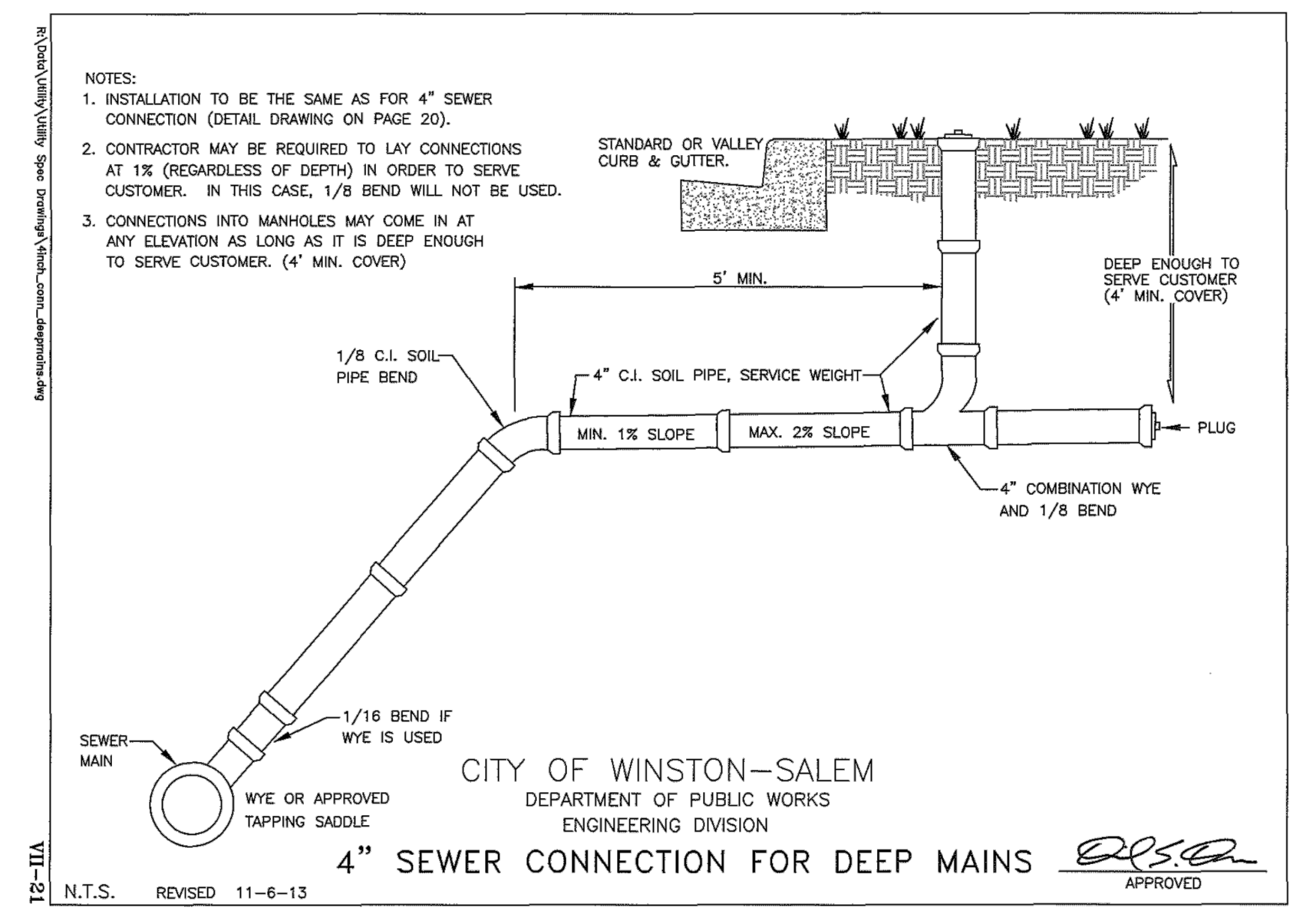
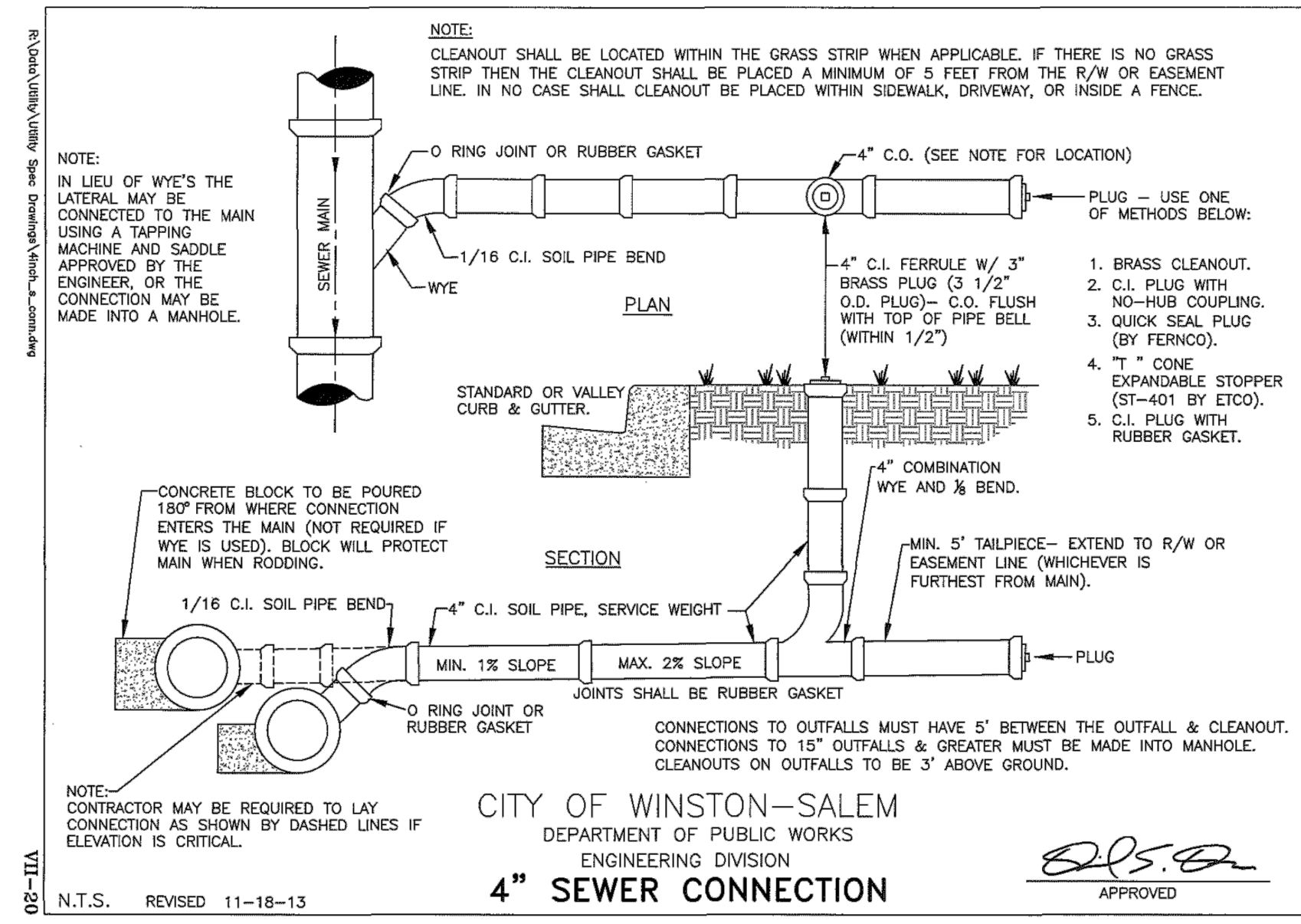
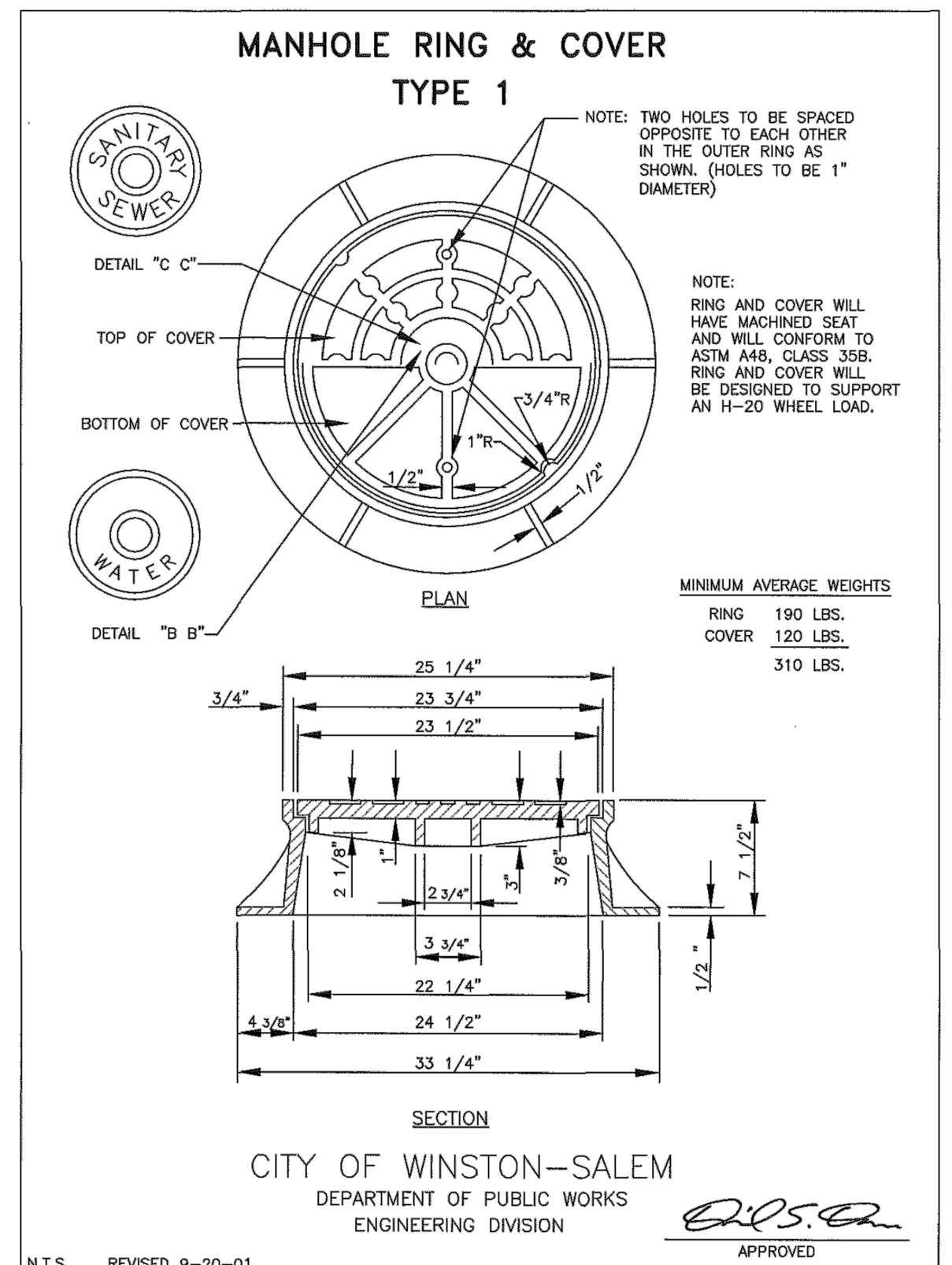
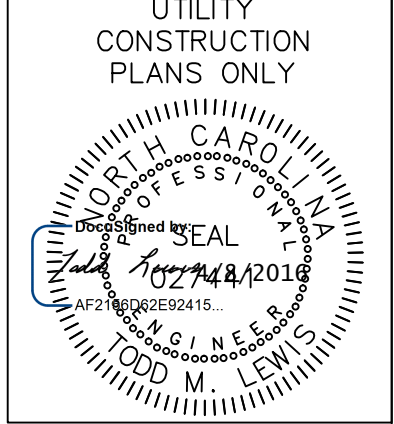
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REVISIONS

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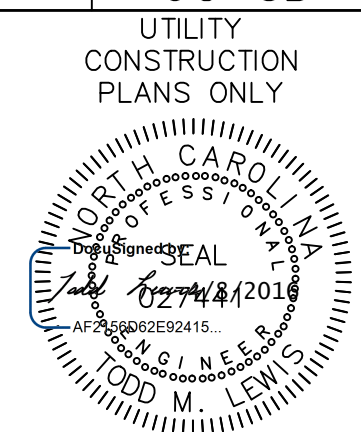




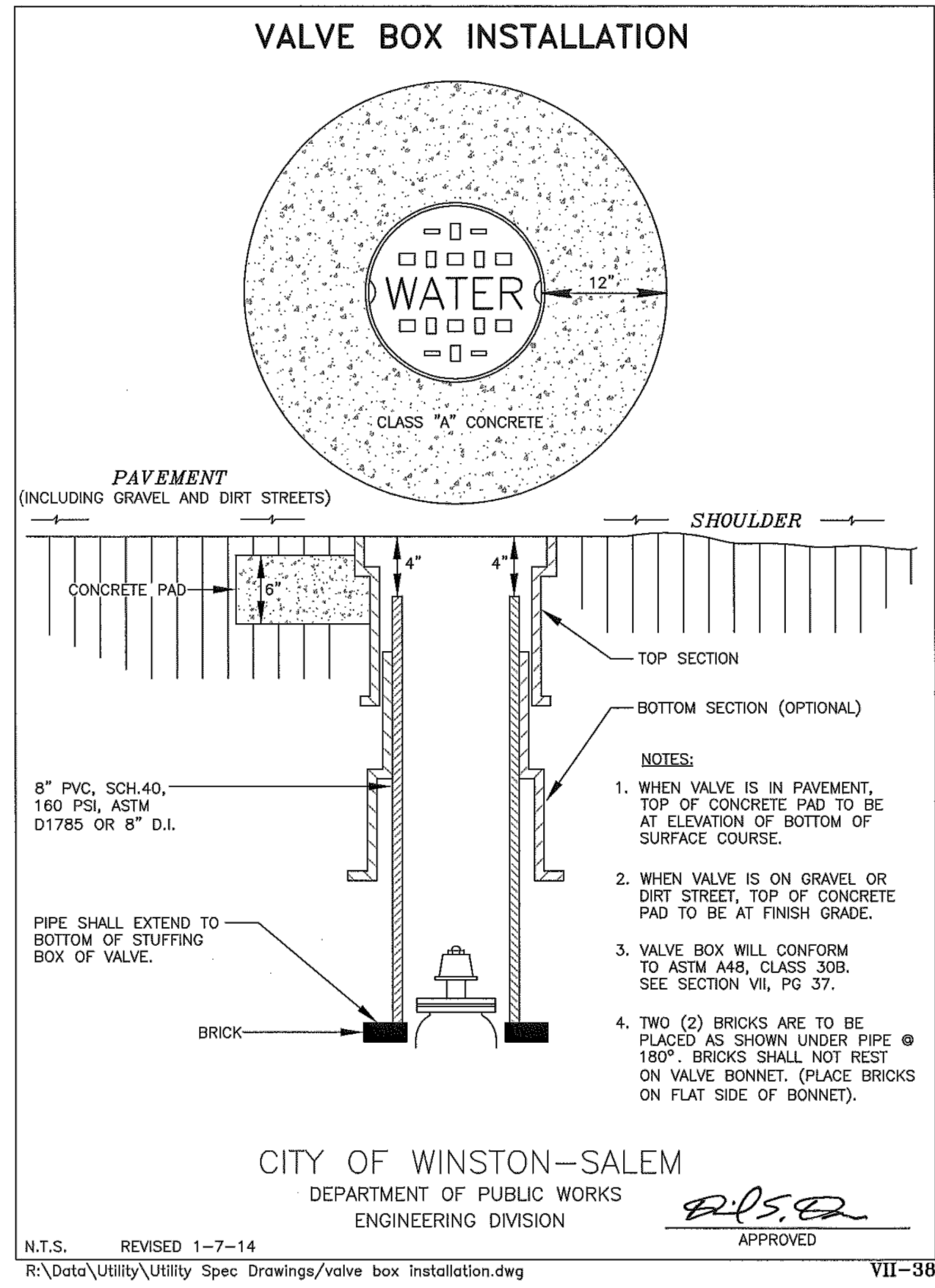
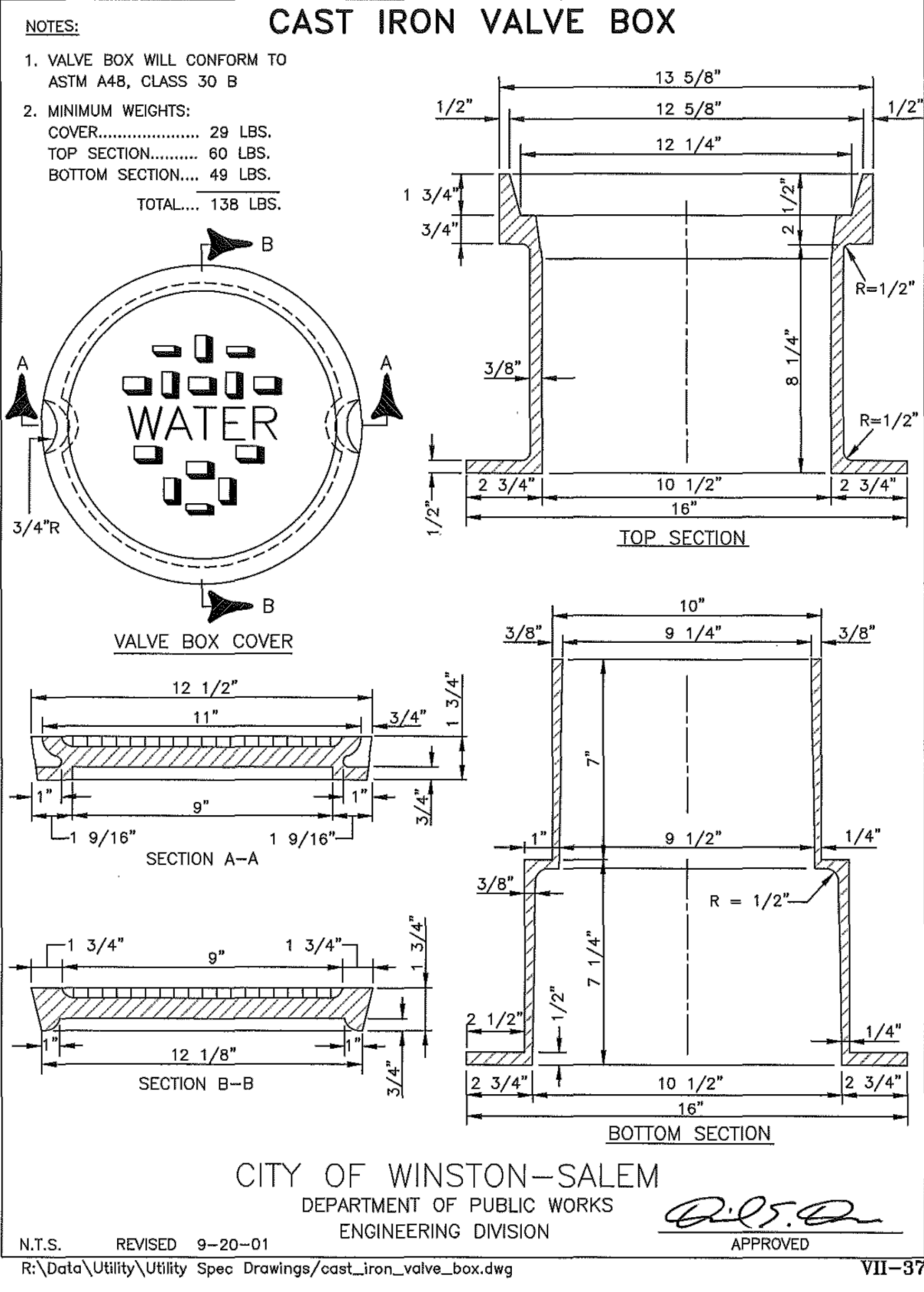
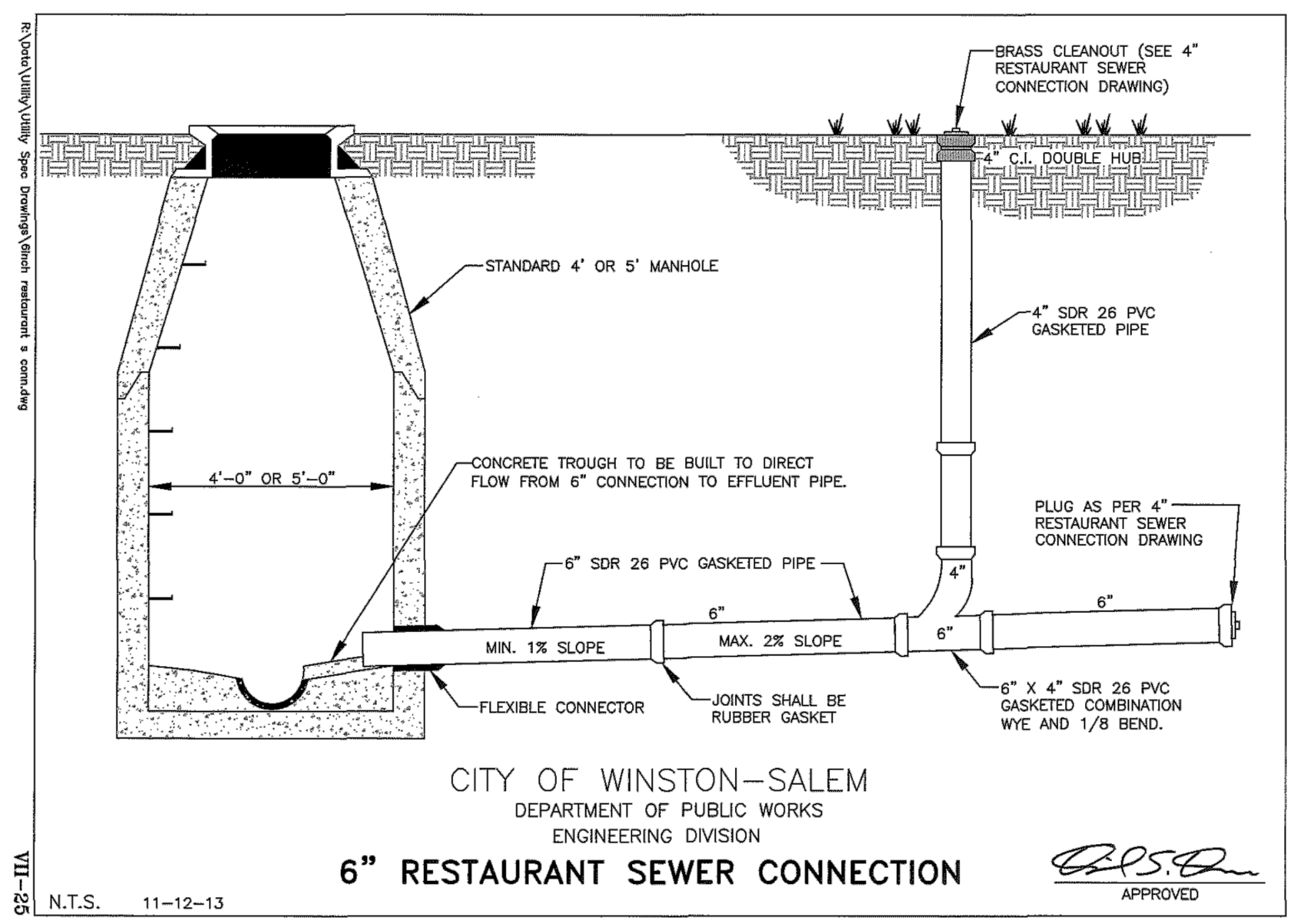


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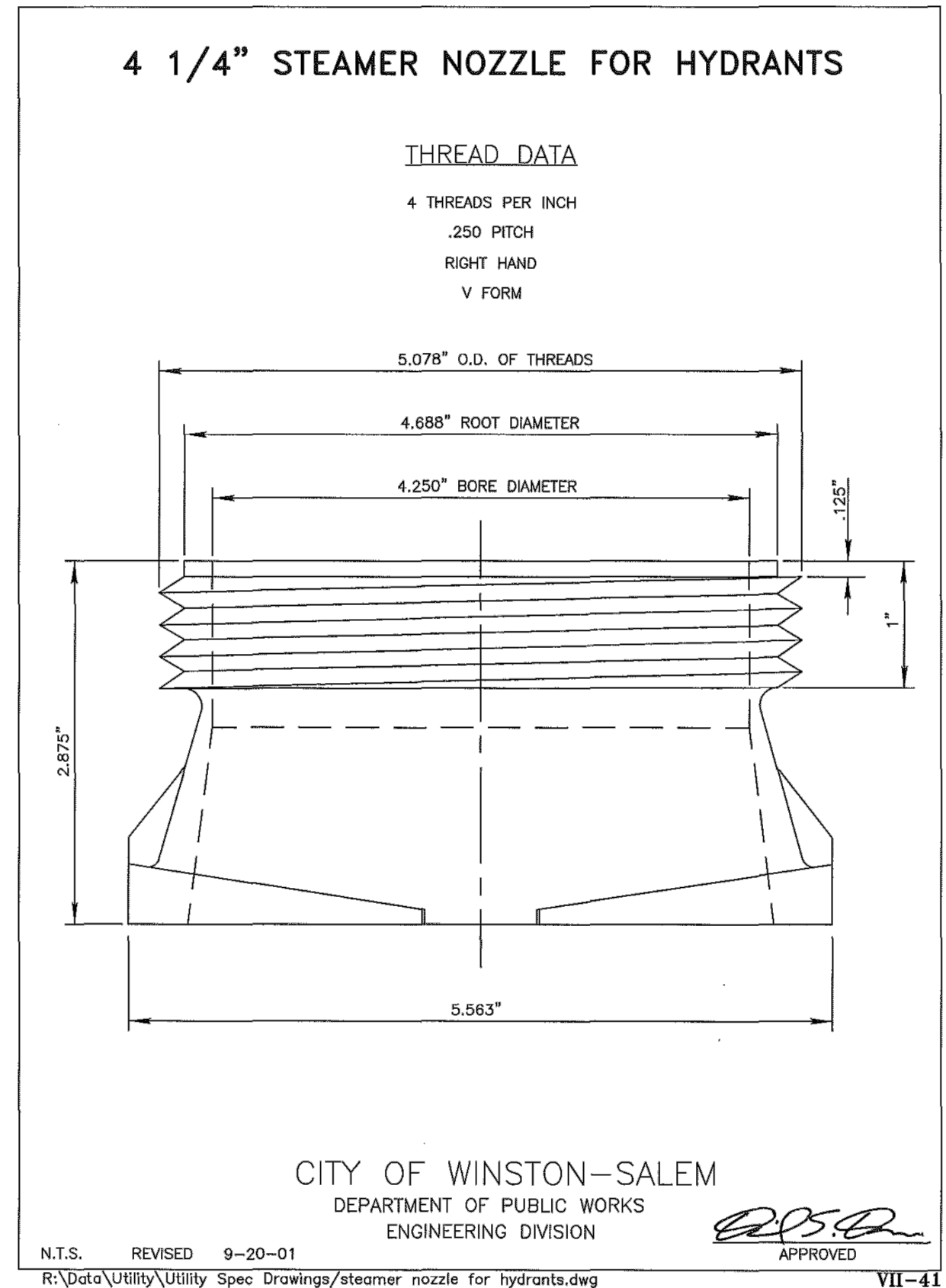
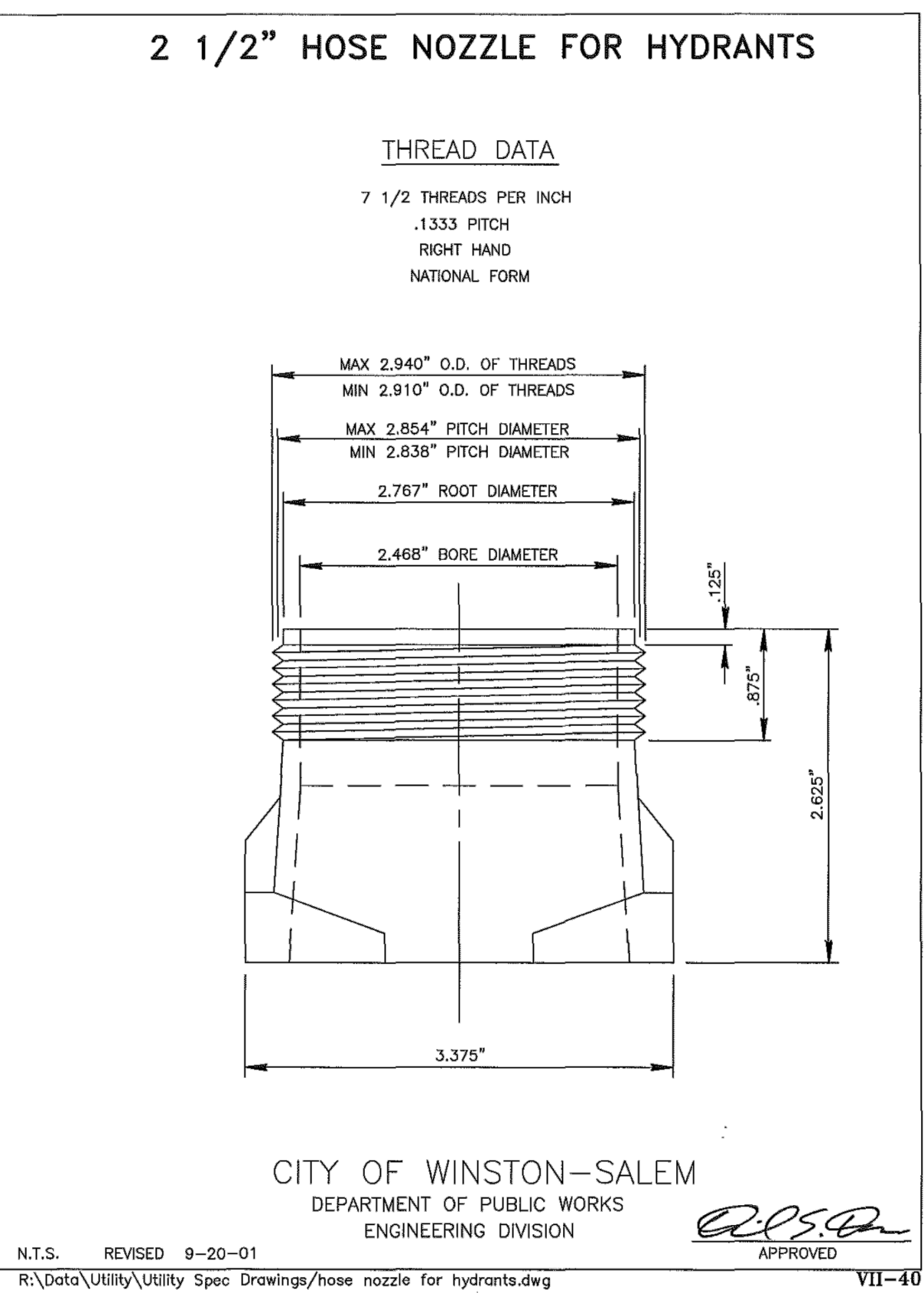
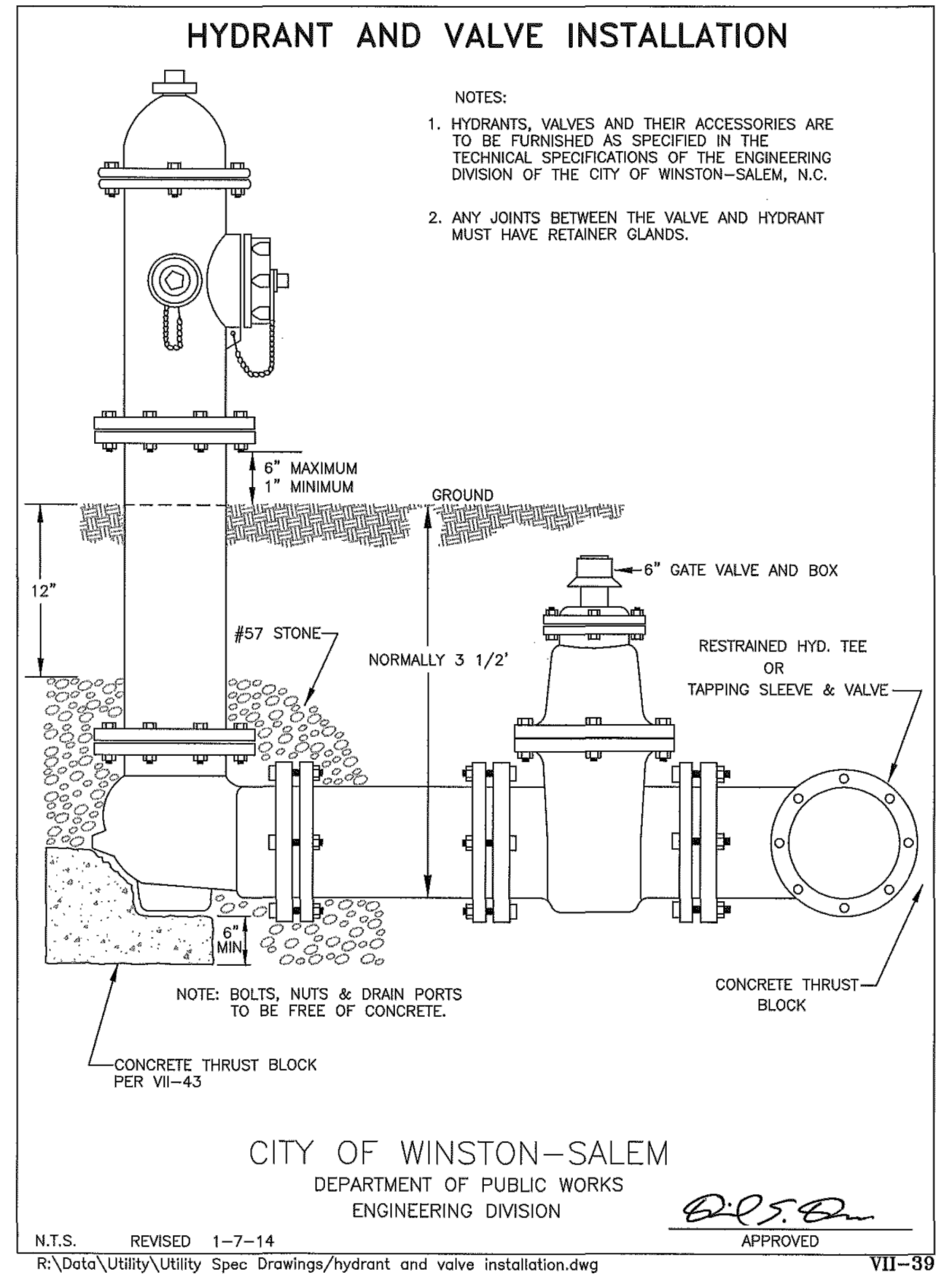
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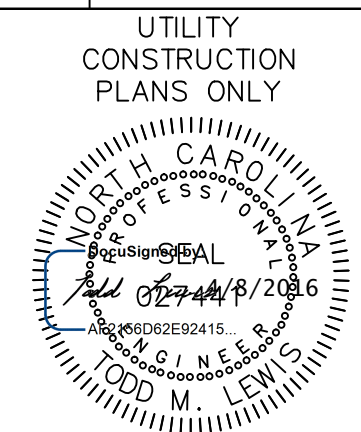


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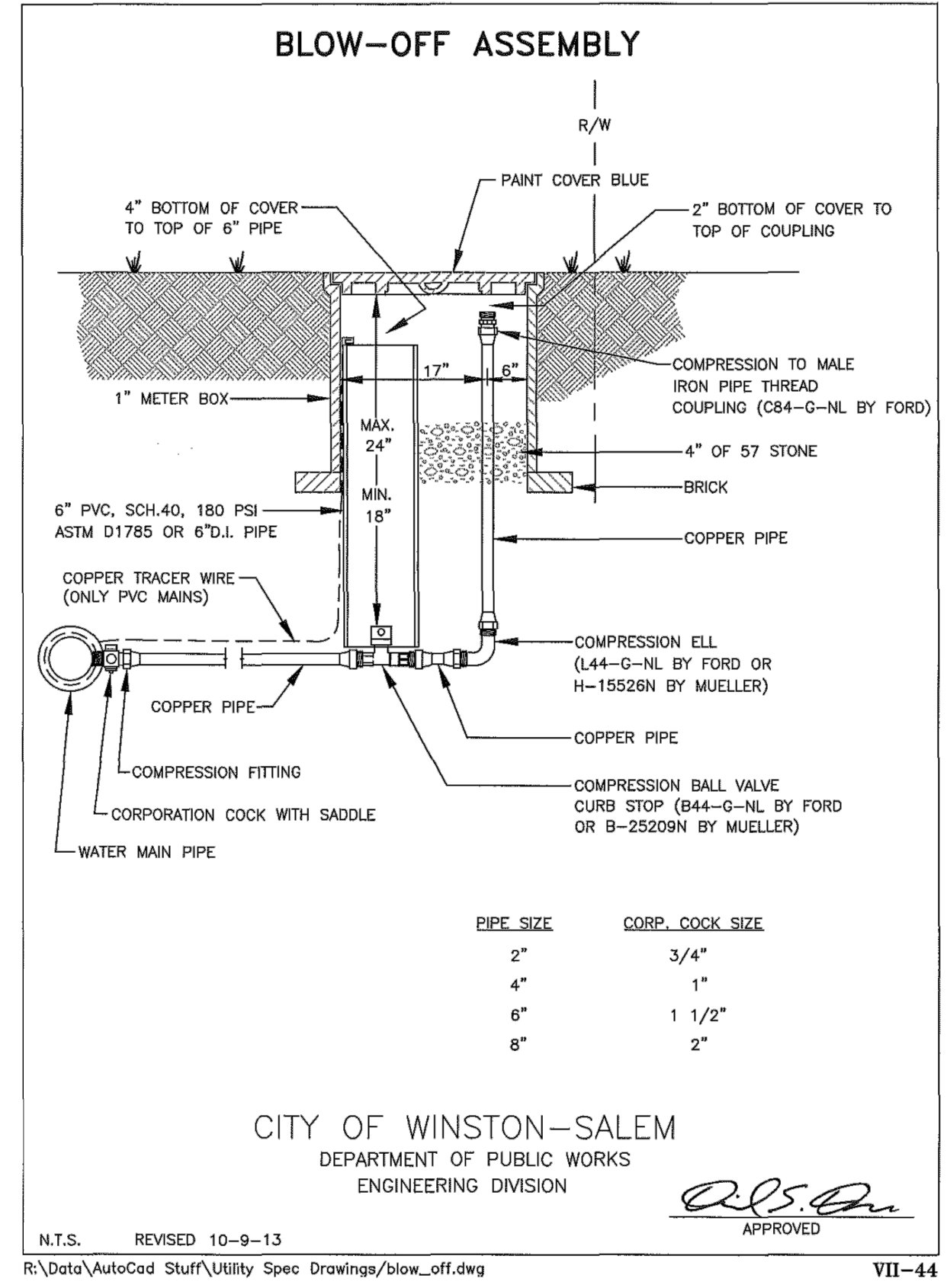


\$\$\$\$\$ SYSTEMS L.L.B. \$\$\$  
\$\$\$\$\$ USERNAM \$\$\$





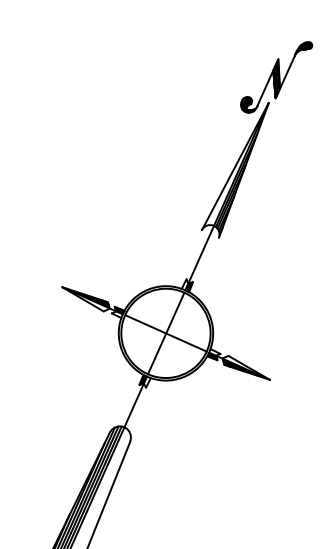
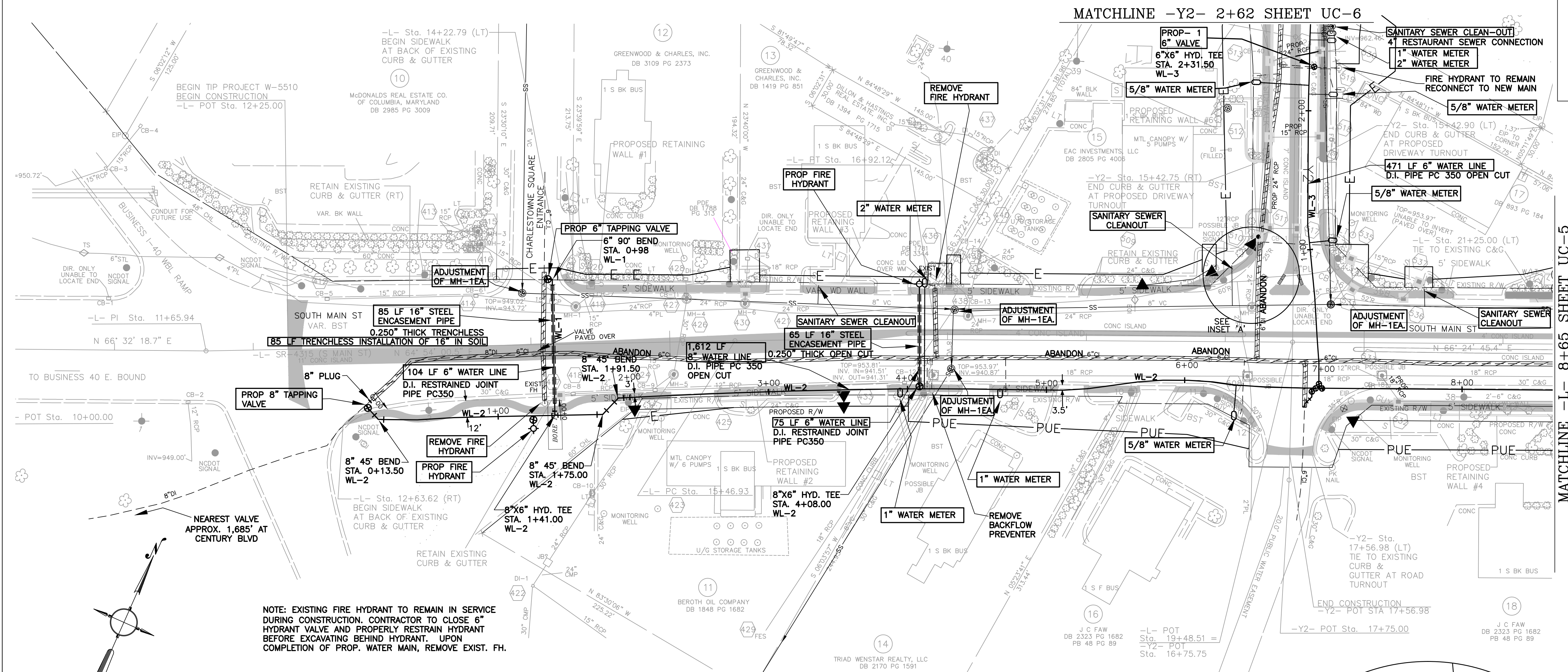
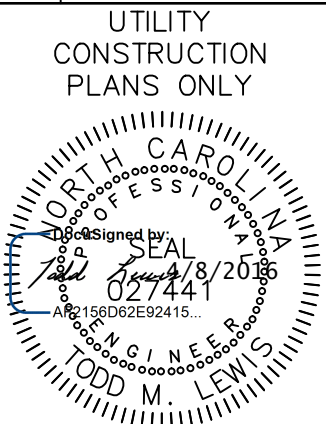
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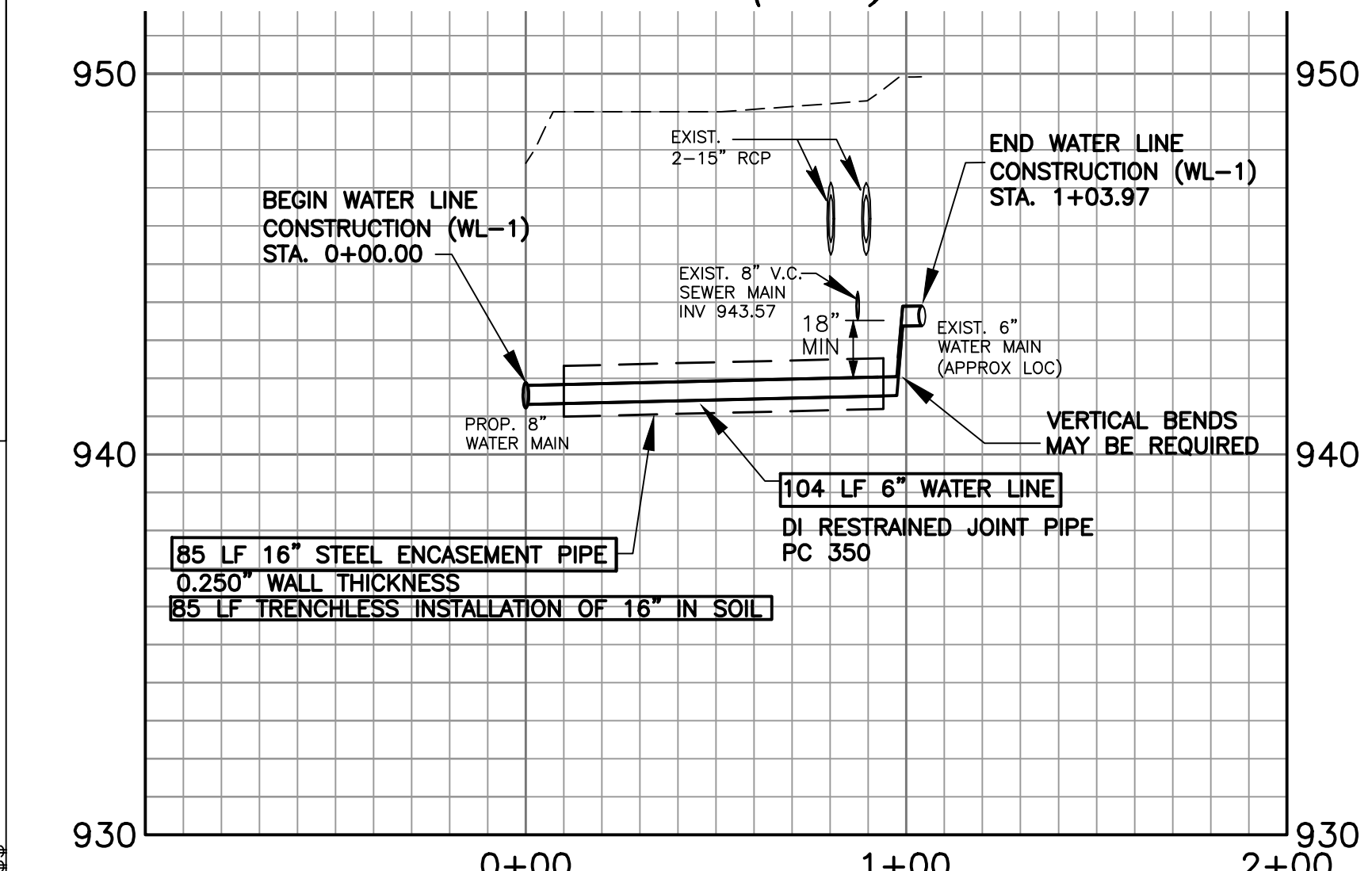
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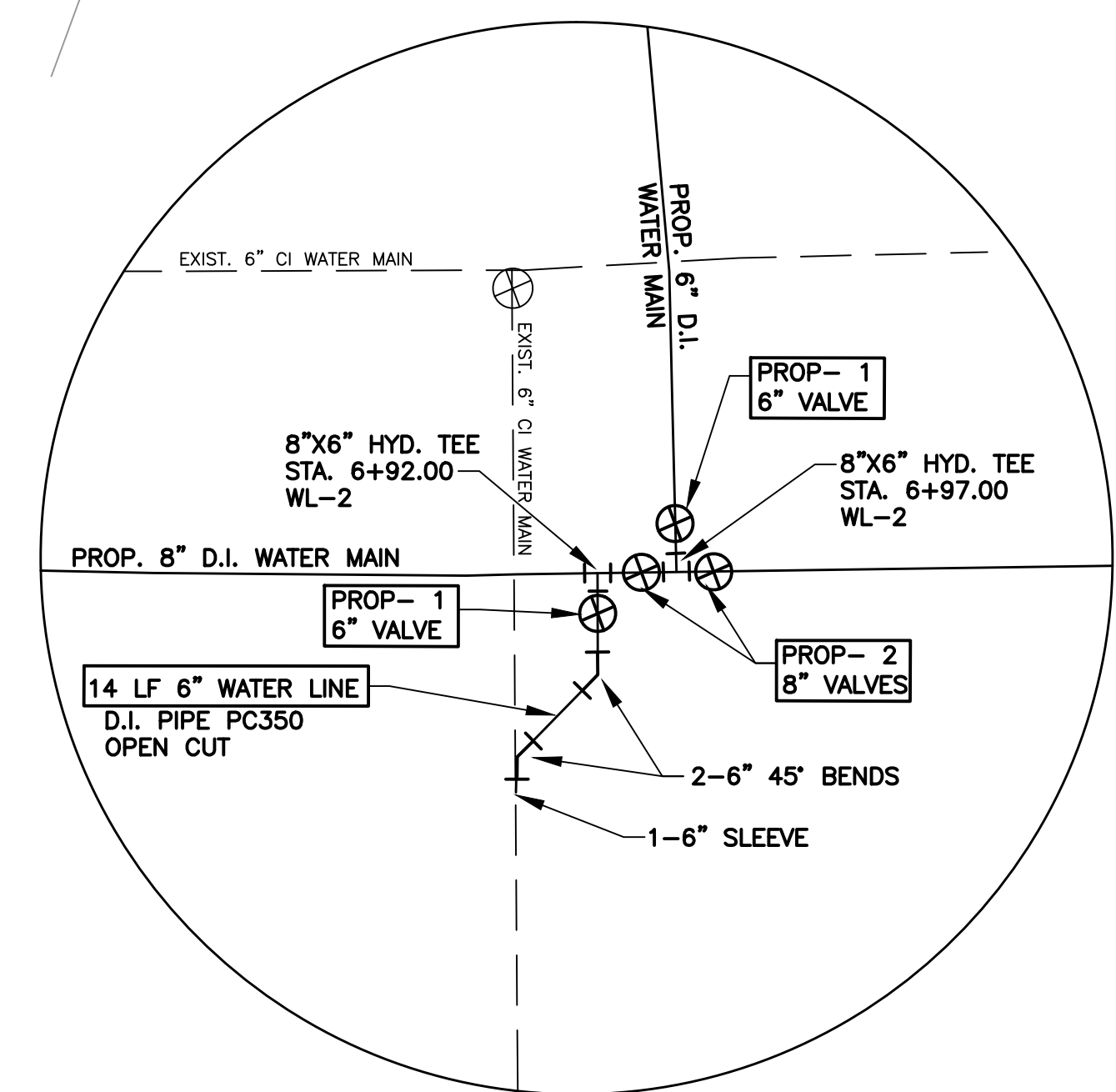
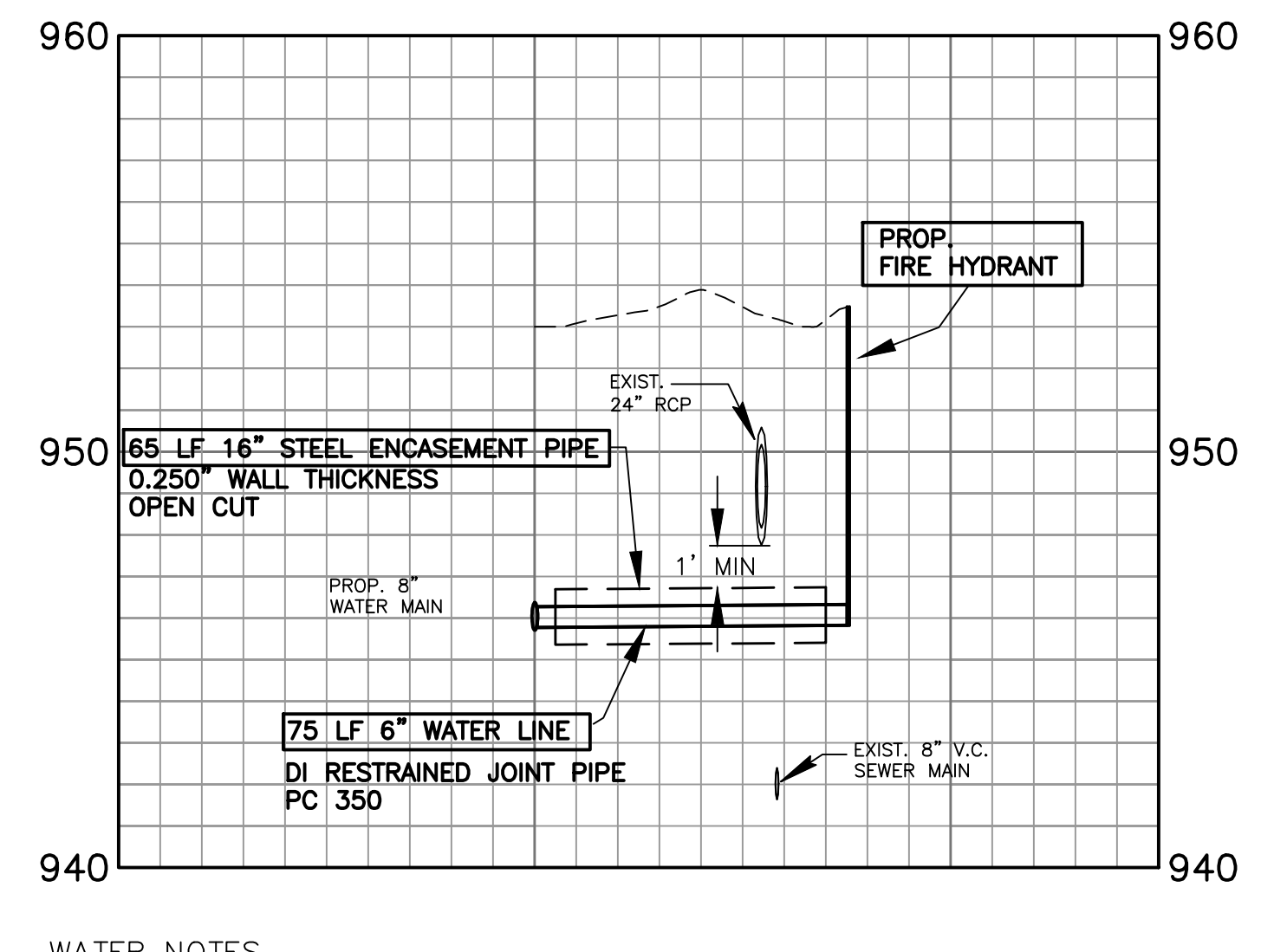


NOTE: EXISTING FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR TO CLOSE 6" HYDRANT VALVE AND PROPERLY RESTRAIN HYDRANT BEFORE EXCAVATING BEHIND HYDRANT. UPON COMPLETION OF PROP. WATER MAIN, REMOVE EXIST. FH.

CHARLESTOWNE SQUARE ENTRANCE (WL-1)



HYDRANT LEG @ STA. 4+09



NOTE: FOR WL-2 PROFILE, SEE SHEET UC-7 FOR WL-3 PROFILE, SEE SHEET UC-8

WATER NOTES

- 1. WATER MAINS WILL HAVE A MINIMUM OF 3 FEET OF COVER.
2. IF POSSIBLE, FIRE HYDRANTS WILL BE LOCATED ON THE RIGHT-OF-WAY LINE. HYDRANTS SHALL BE LOCATED AS SHOWN ON PLAN VIEW.
3. WATER MAINS WILL BE LOCATED 5 FEET FROM THE EDGE OF PAVEMENT OR AS SHOWN ON PLAN VIEW.
4. EXISTING PAVEMENT TO BE REPAIRED OR REPLACED AS REQUIRED (OR BORED AND JACKED AS SHOWN).
5. LONG SIDE WATER CONNECTIONS WILL BE BORED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
6. ALL PROPOSED VALVES SHALL BE PLACED OUTSIDE THE EXISTING PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS.

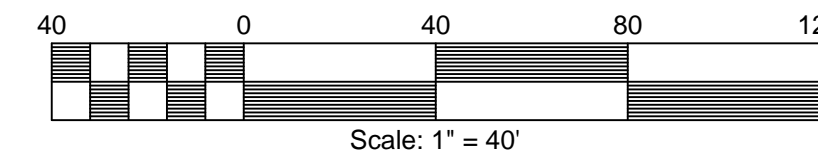
6" D.I. WATER MAIN RELOCATION PROJECT 74339 9339

CITY OF WINSTON-SALEM PERMIT NUMBER WATER 2732 SEWER DATE 12-16-15

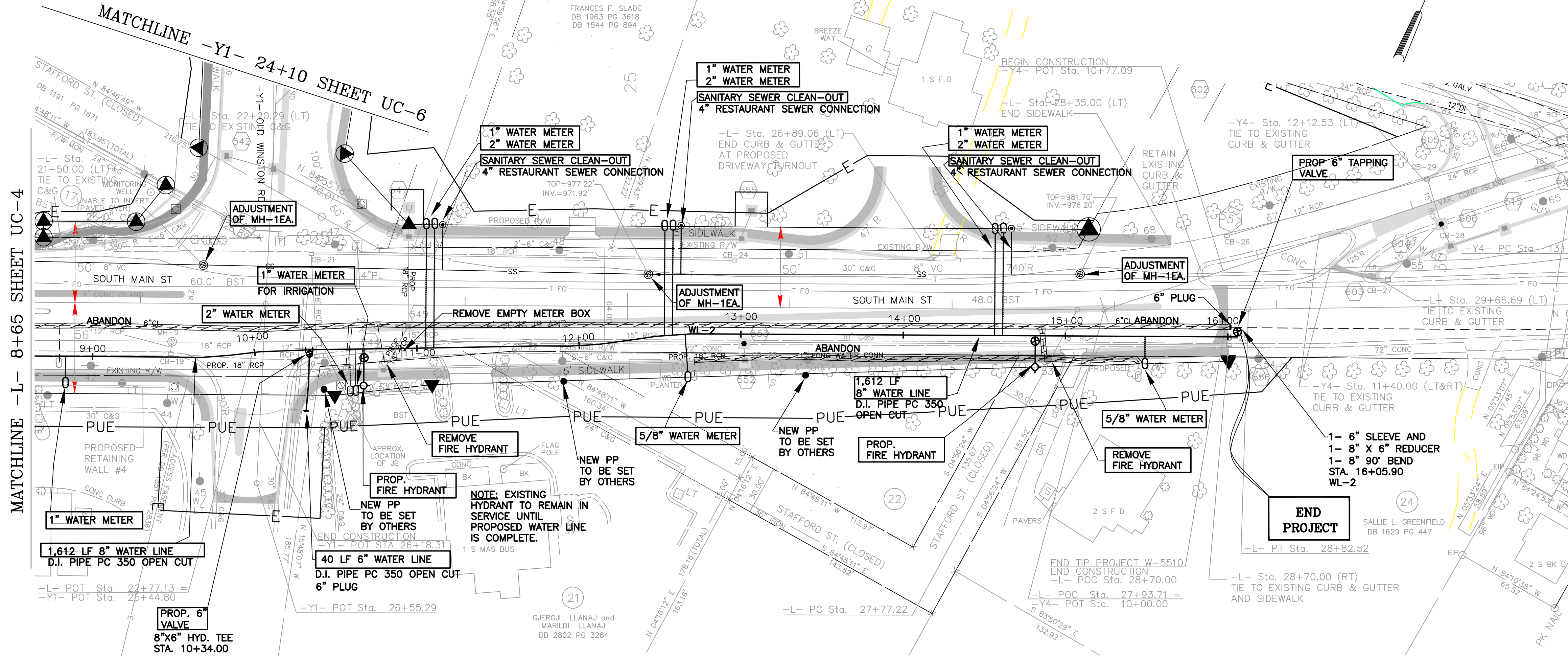
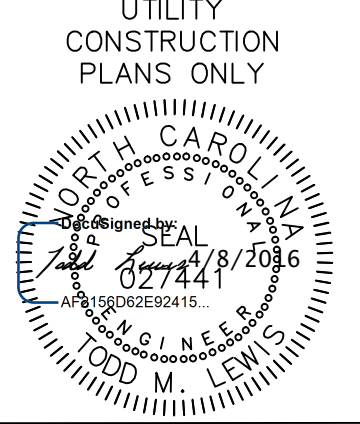
REVISIONS

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5/14/99

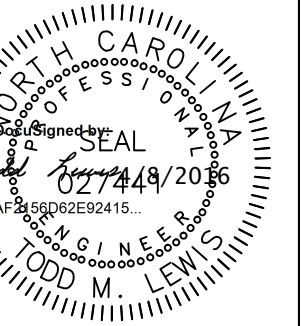


PROJECT REFERENCE NO. W-5510 SHEET NO. UC-5



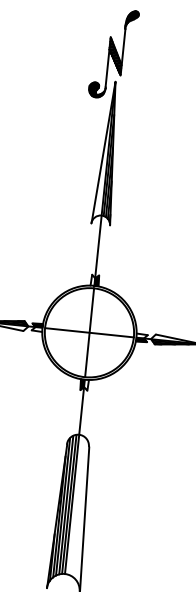
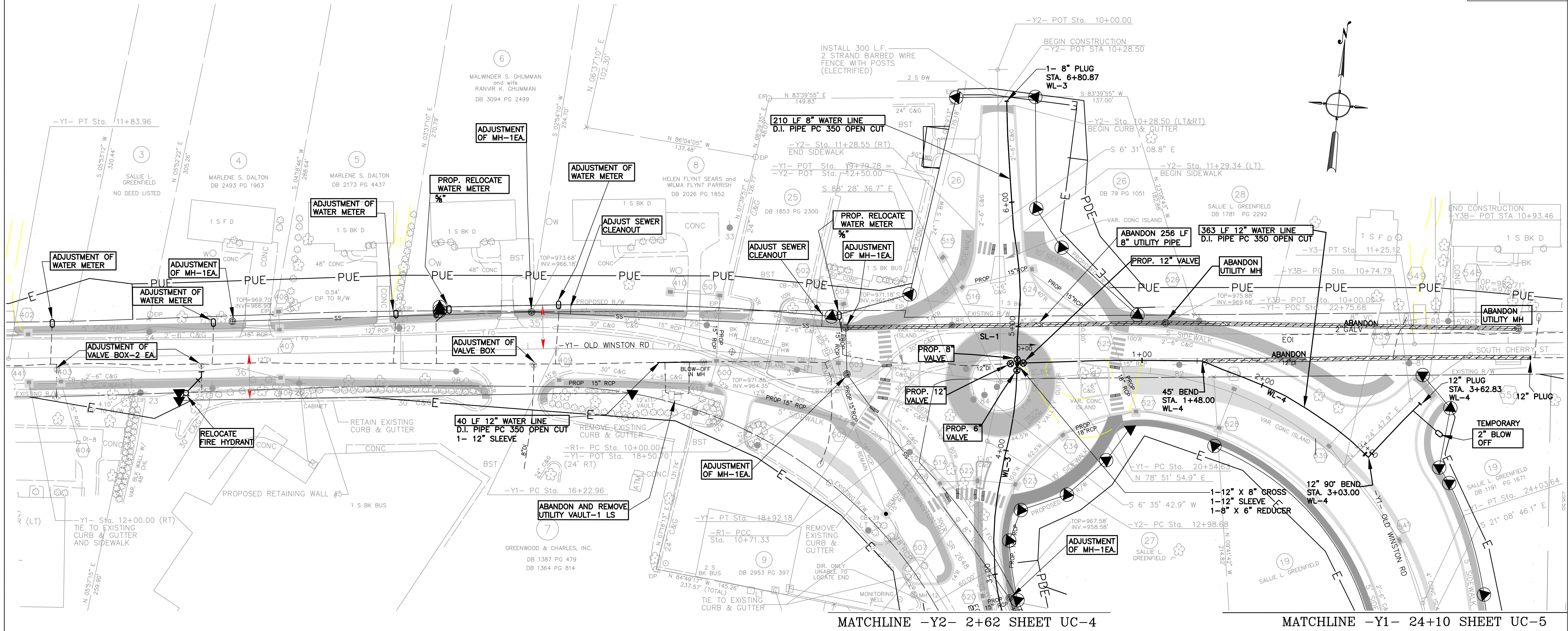
REVISIONS

NOTE: FOR WL-2 PROFILE, SEE SHEET UC-7



REVISIONS

122117E REVISED TO 2" BLOW-OFF.



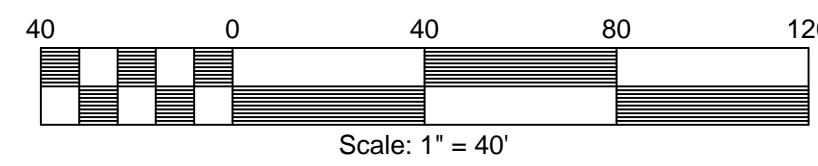
MATCHLINE -Y2- 2+62 SHEET UC-4

MATCHLINE -Y1- 24+10 SHEET UC-5

NOTE: FOR WL-3 & WL-4 PROFILES, SEE SHEET UC-8

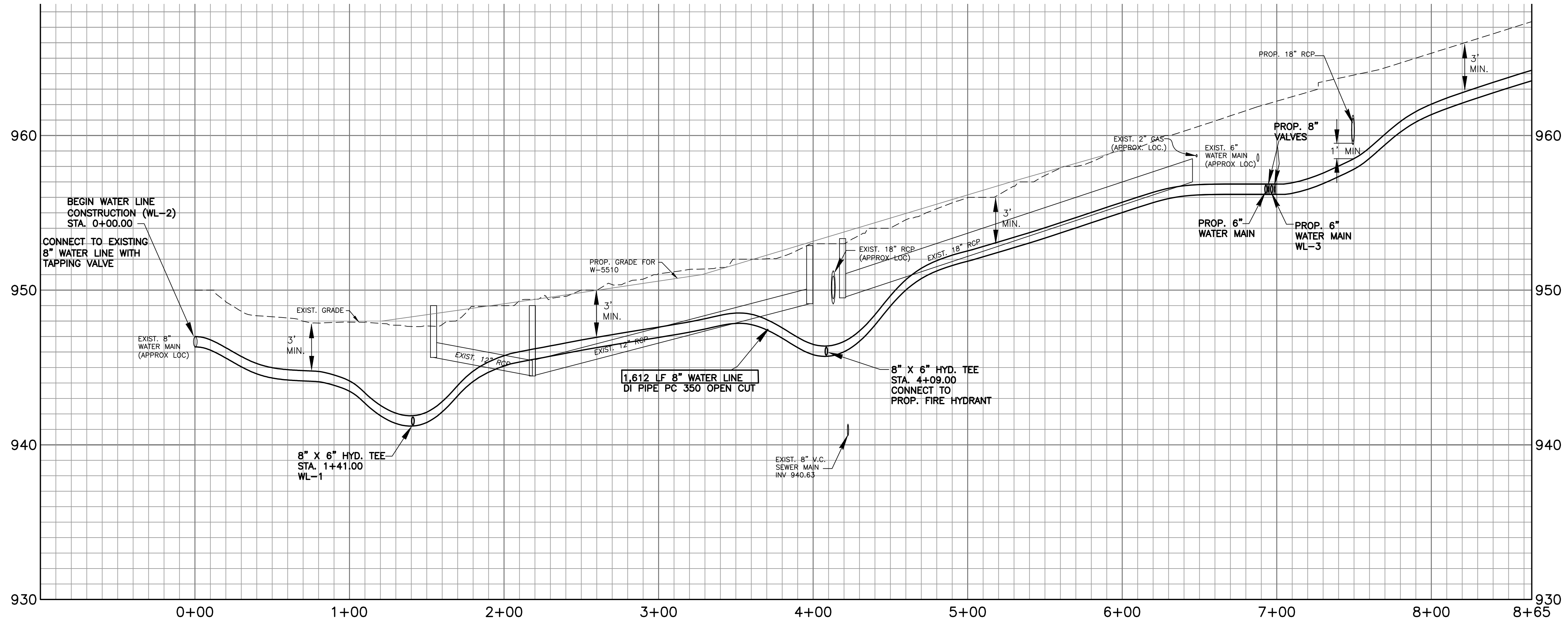
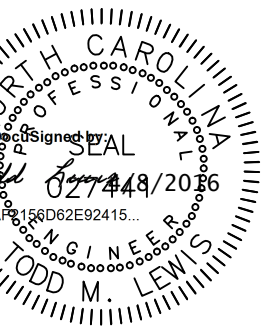
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WL-2

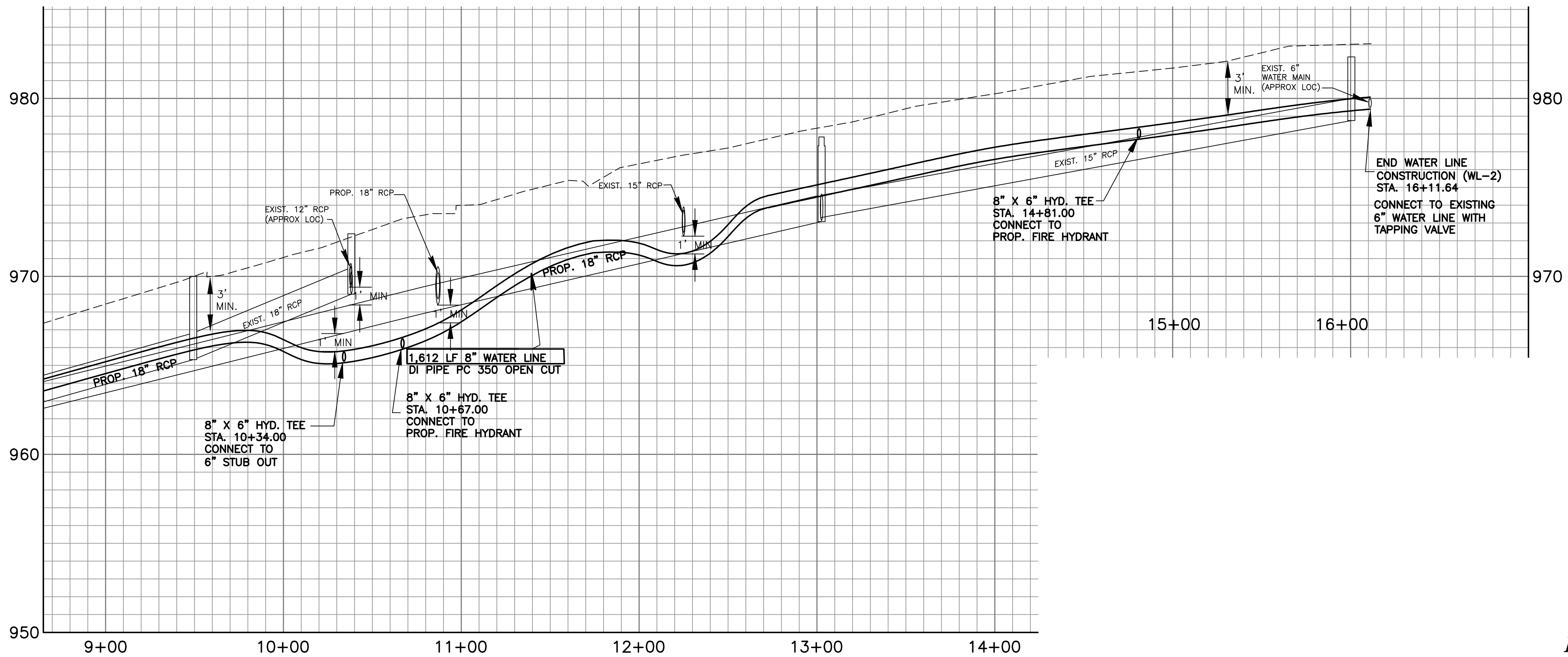


PROJECT REFERENCE NO. W-5510 SHEET NO. UC-7

UTILITY CONSTRUCTION PLANS ONLY

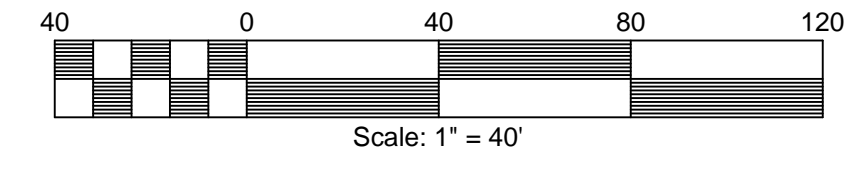
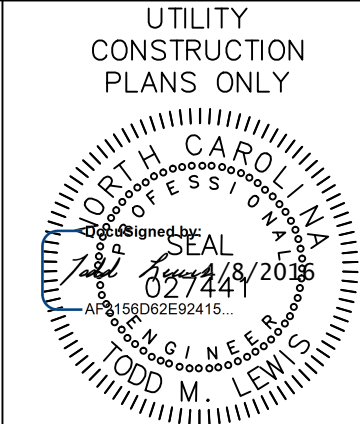


WL-2 CONT.



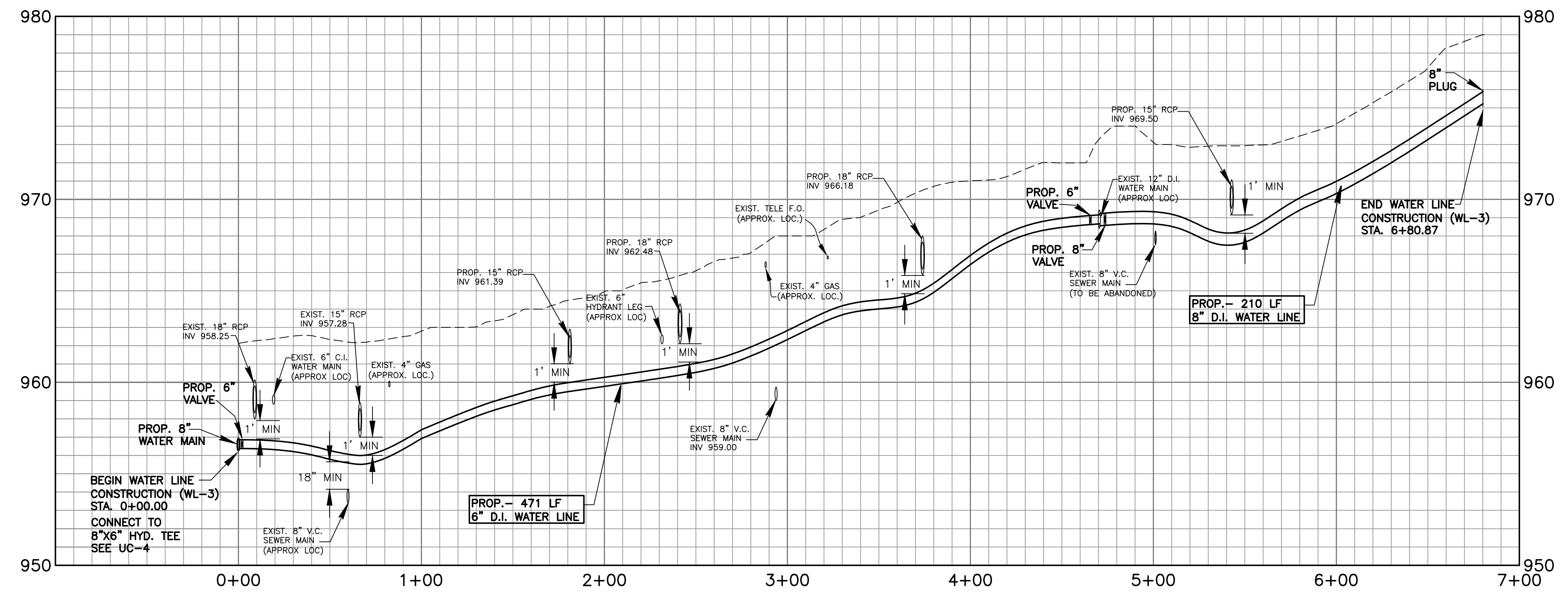
NOTE: FOR WL-2 PLAN, SEE SHEETS UC-4 & UC-5

REVISIONS

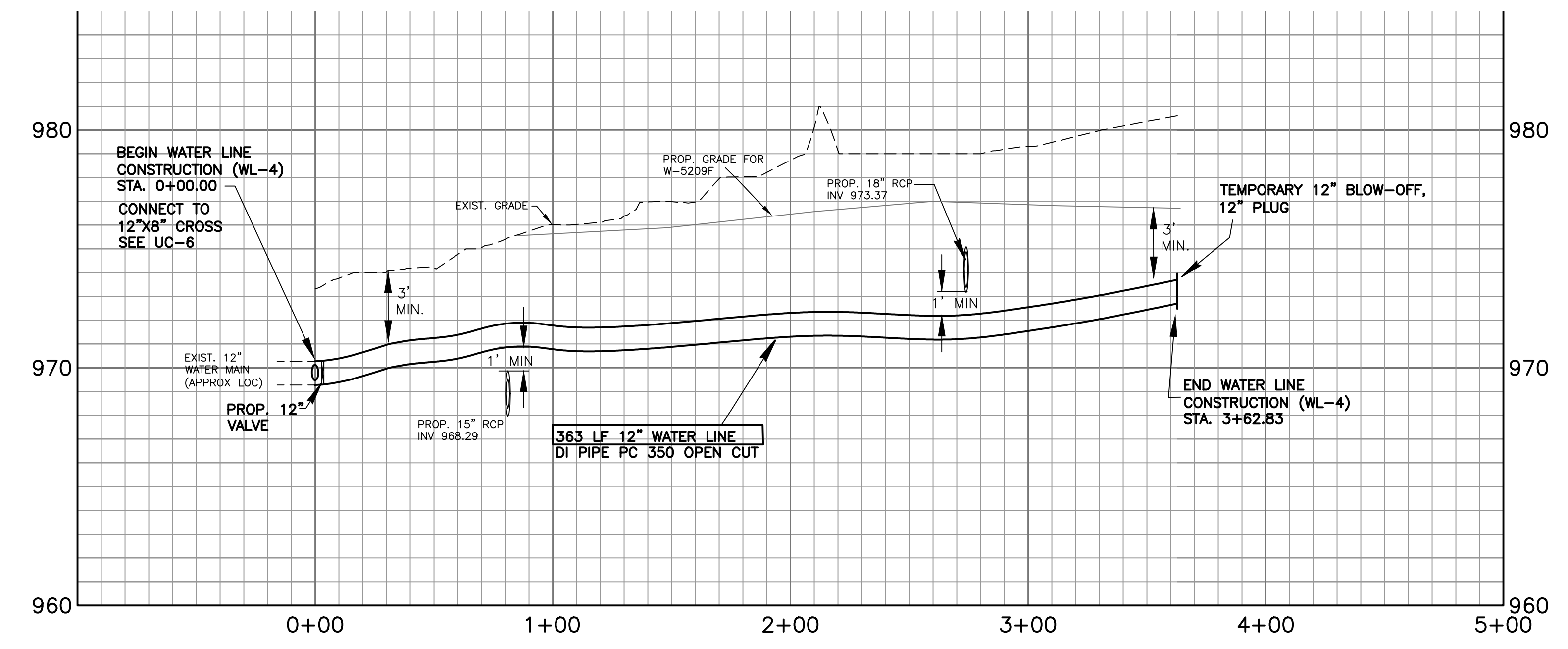


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**WL-3**



**WL-4**



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

REVISIONS

CONSTRUCTION