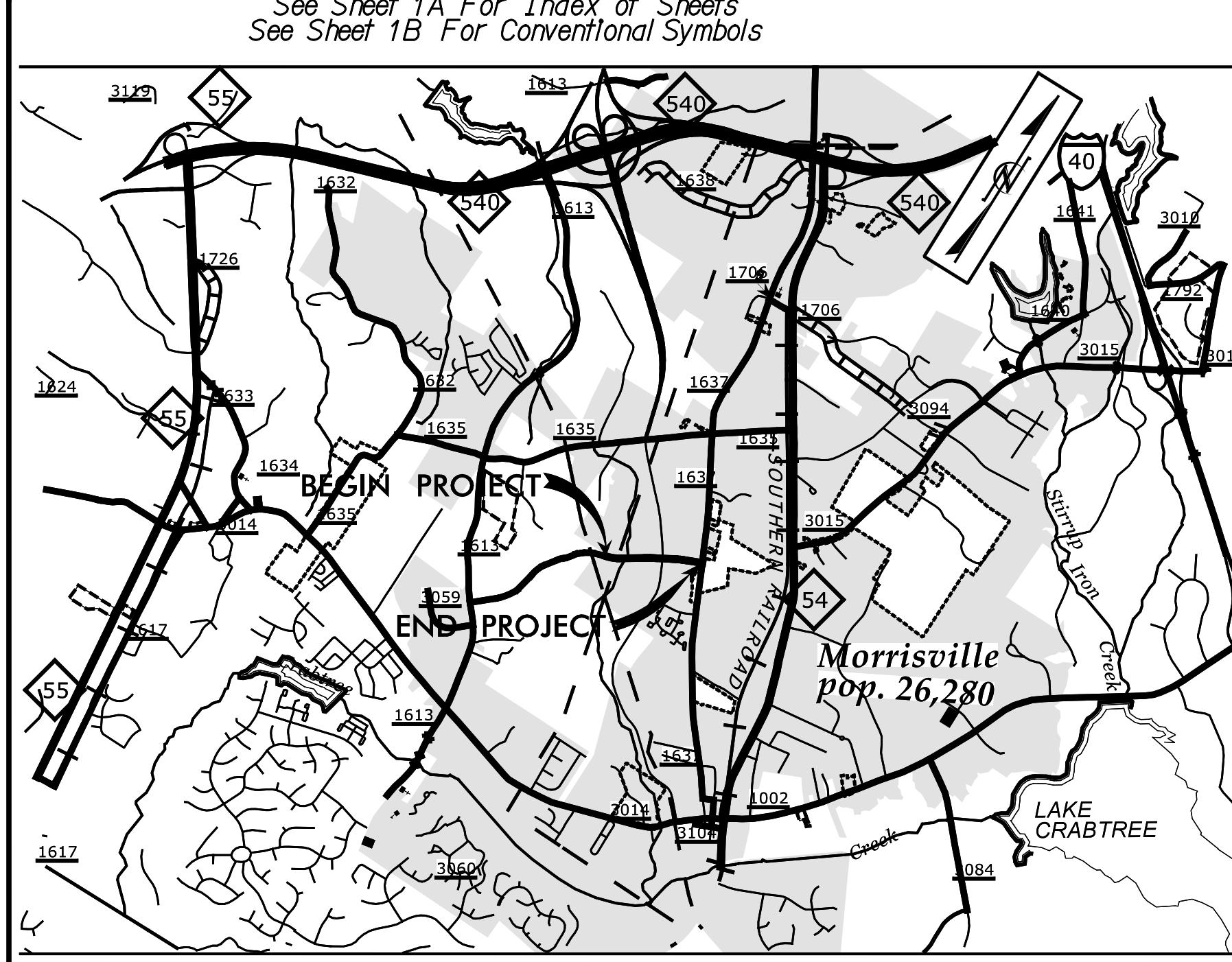
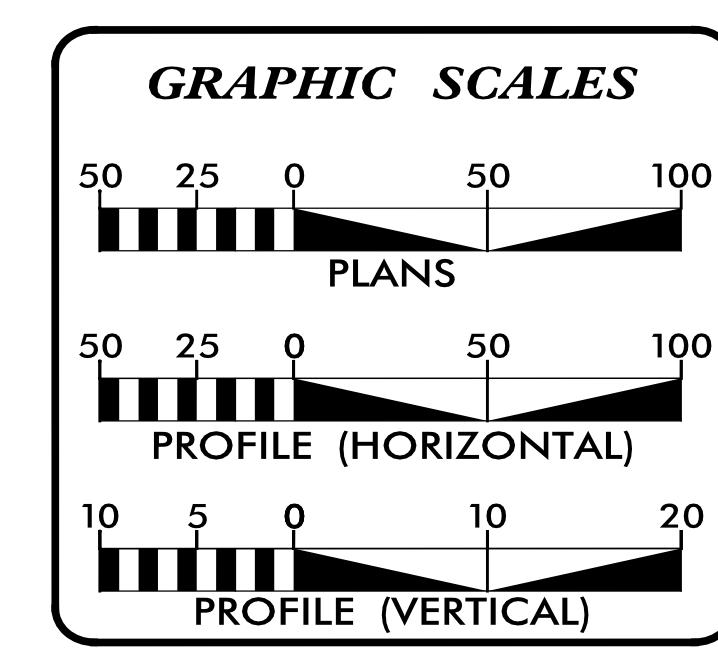
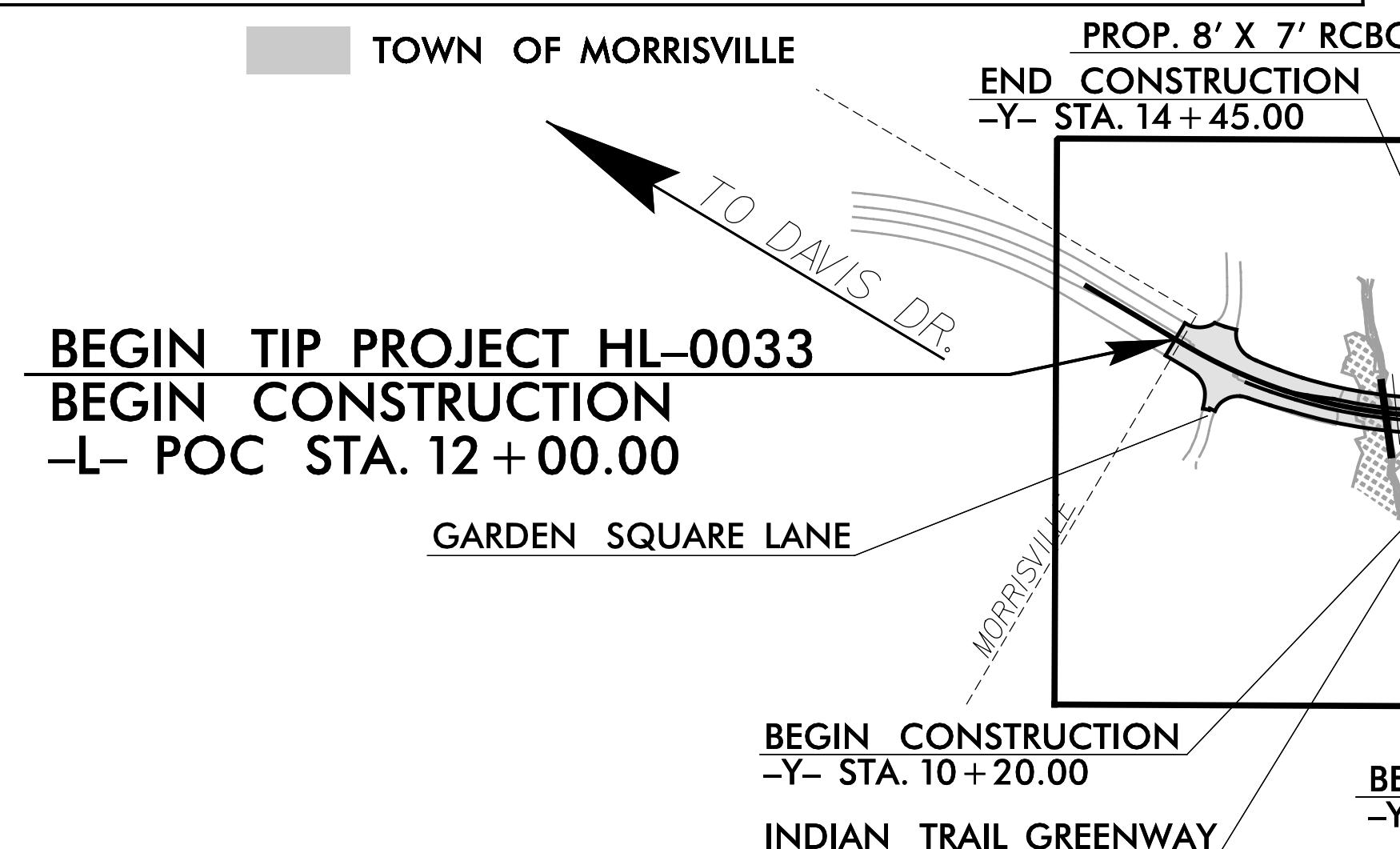


CONTRACT: C204765

TIP PROJECT: HL-0033



VICINITY MAP

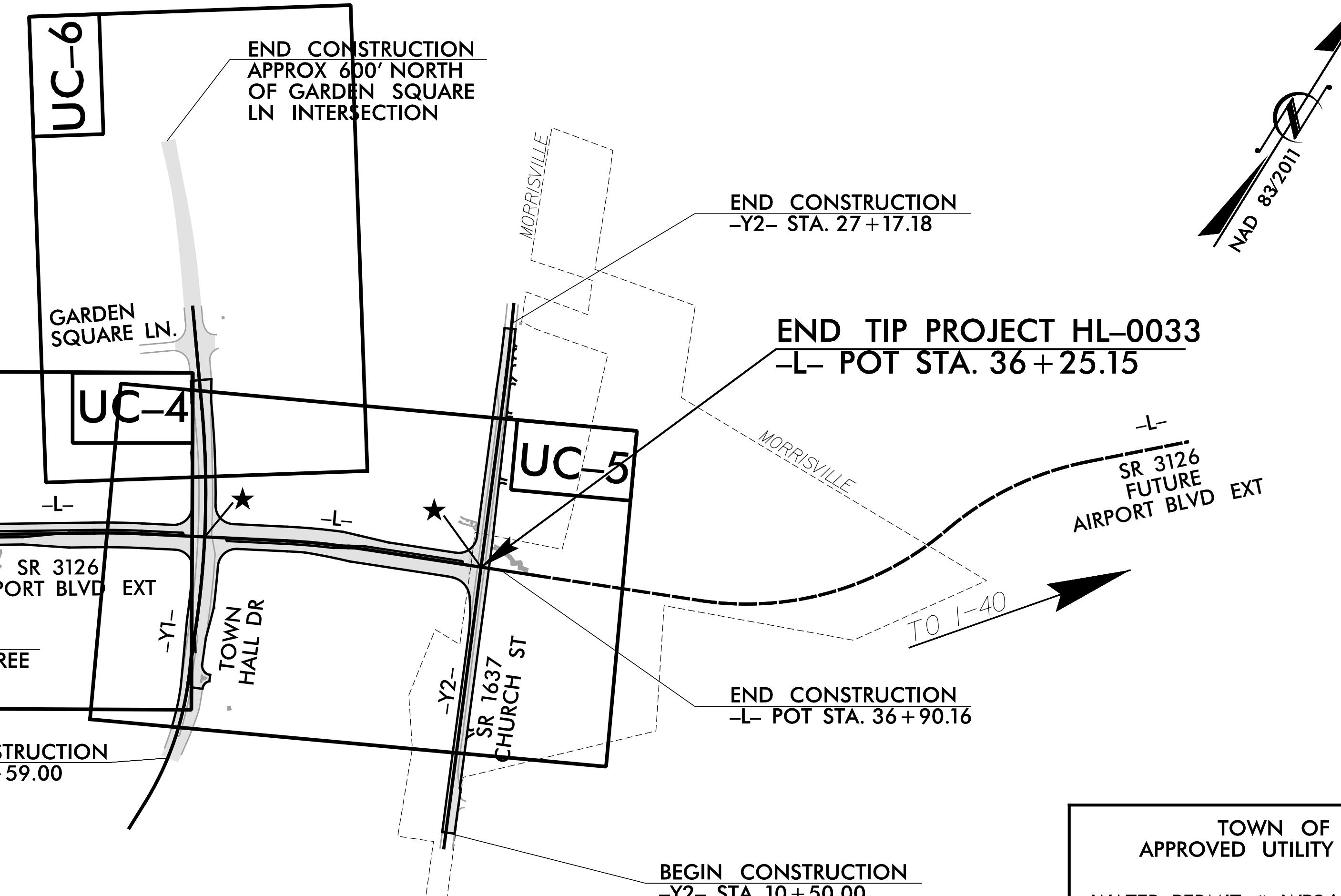


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS  
WAKE COUNTY

LOCATION: EXTENSION OF AIRPORT BOULEVARD (SR 3126) FROM GARDEN SQUARE LANE TO CHURCH ST (SR 1637) IN MORRISVILLE

TYPE OF WORK: WATER LINE EXTENSION



TOWN OF CARY  
APPROVED UTILITY EXTENSIONS  
WATER PERMIT #: WP26041  
SANITARY SEWER PERMIT #: NP26035  
RECLAIMED WATER PERMIT #: N/A  
BY: BRAD KLEINMAIER, P.E.



DIVISION OF HIGHWAYS  
DIVISION 5  
PROJECT DEVELOPMENT UNIT  
2612 N DUKE STREET  
DURHAM NC 27704  
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KYRILLOS HELMY, E.I. PROJECT MANAGER  
DON W. PROPER DIV 5 UTILITY ENGINEER  
JAMES SWINSON DIV 5 UTILITY ENGINEER

PREPARED IN THE OFFICE OF  
**Wooten**

120 North Boylan Avenue, Raleigh NC 27603-1423  
919.828.0531, Fax 919.834.3559  
License Number: F-0115

BRIAN J. P. OSCHWALD, P.E. PROJECT ENGINEER

INDEX OF SHEETS	
<u>SHEET NO.:</u>	<u>DESCRIPTION:</u>
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLS
UC-3	NOTES
UC-3A, UC-3B, UC-3C	DETAILS
UC-4, UC-5 & UC-6	UTILITY CONSTRUCTION SHEETS
UC-7	UTILITY PROFILE SHEET

WATER AND SEWER  
OWNER ON PROJECT

(A) WATER - TOWN OF CARY  
(B) SEWER - TOWN OF CARY

**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 .....	
Force Main Sewer Line .....	
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 .....	

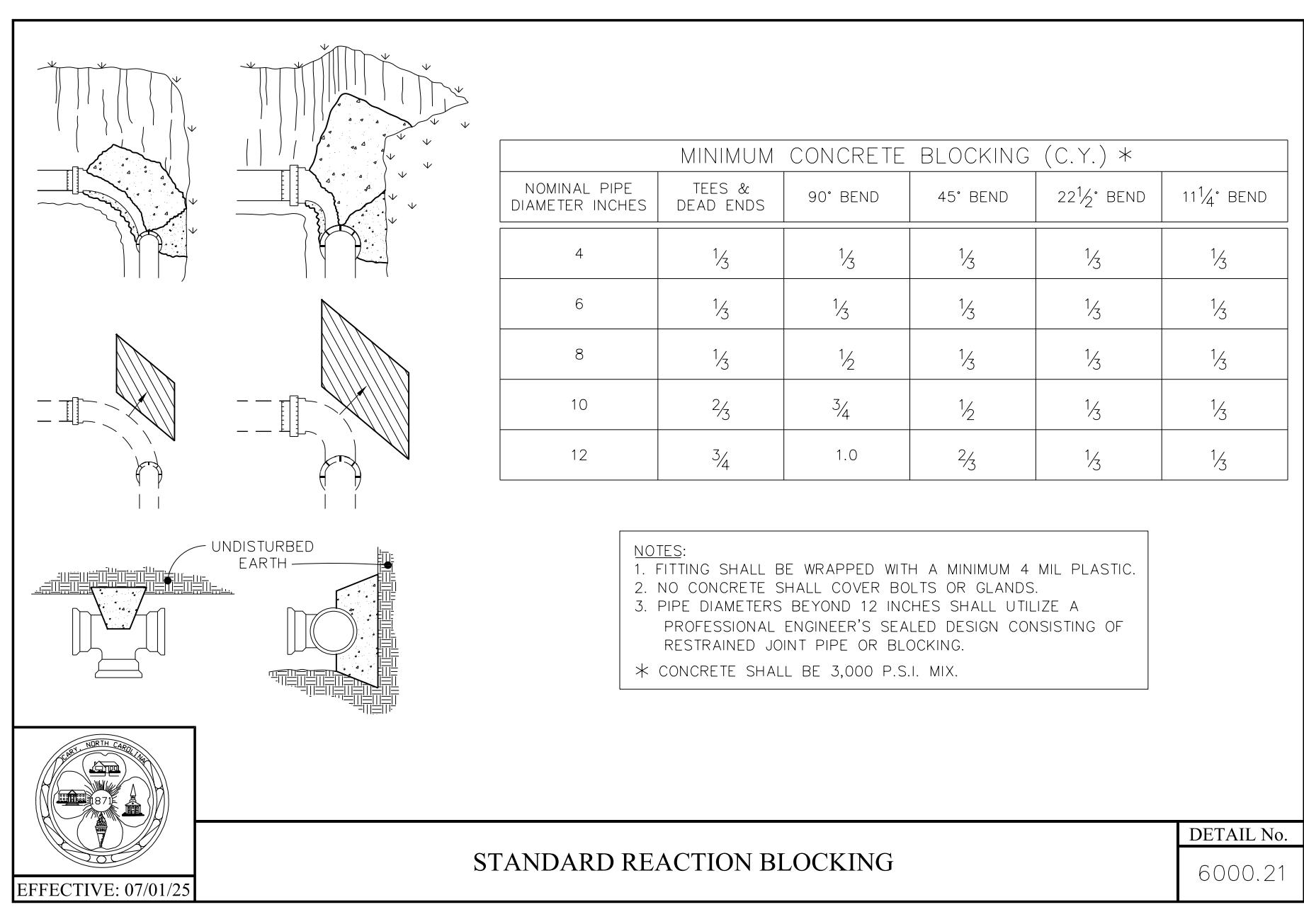
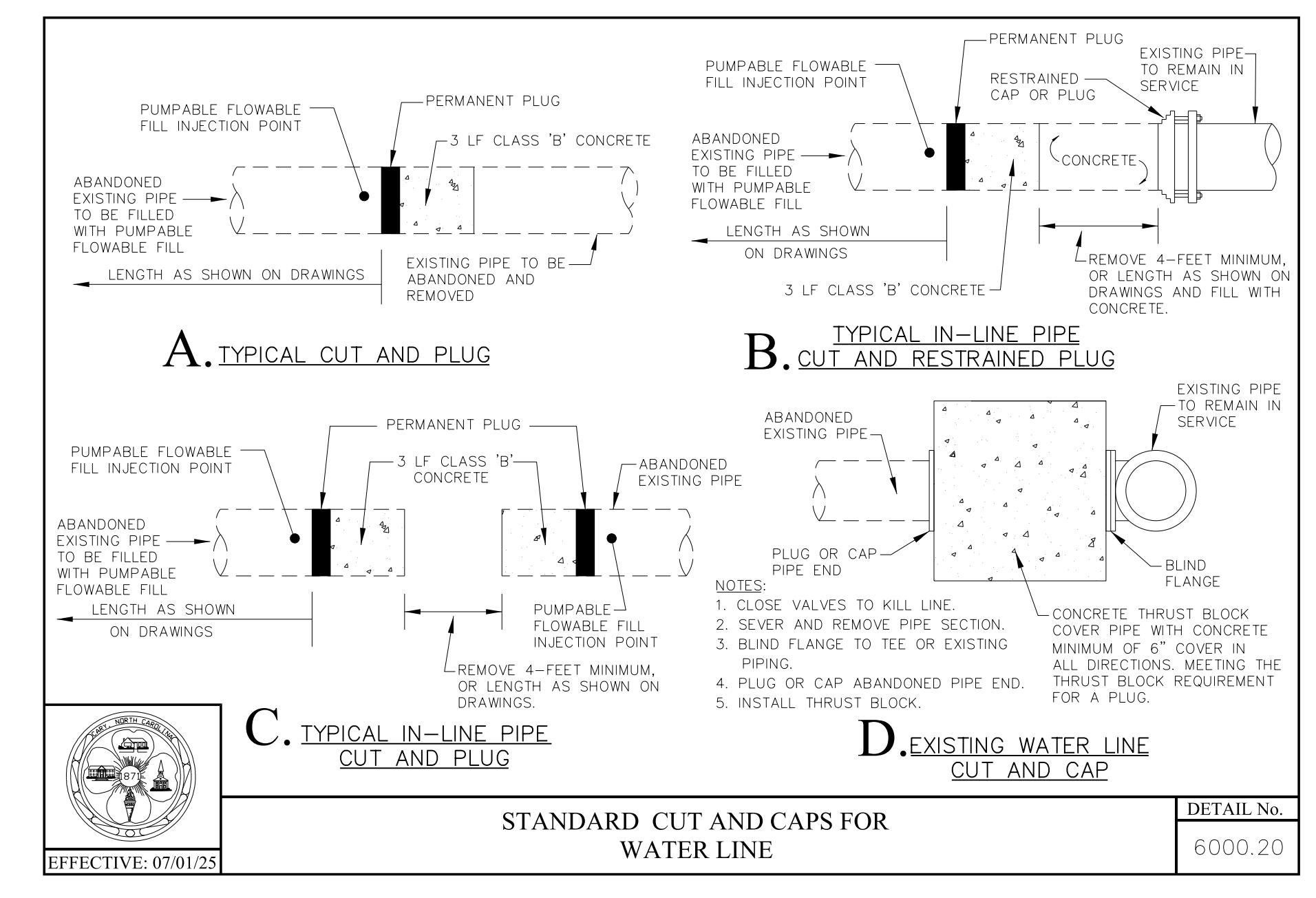
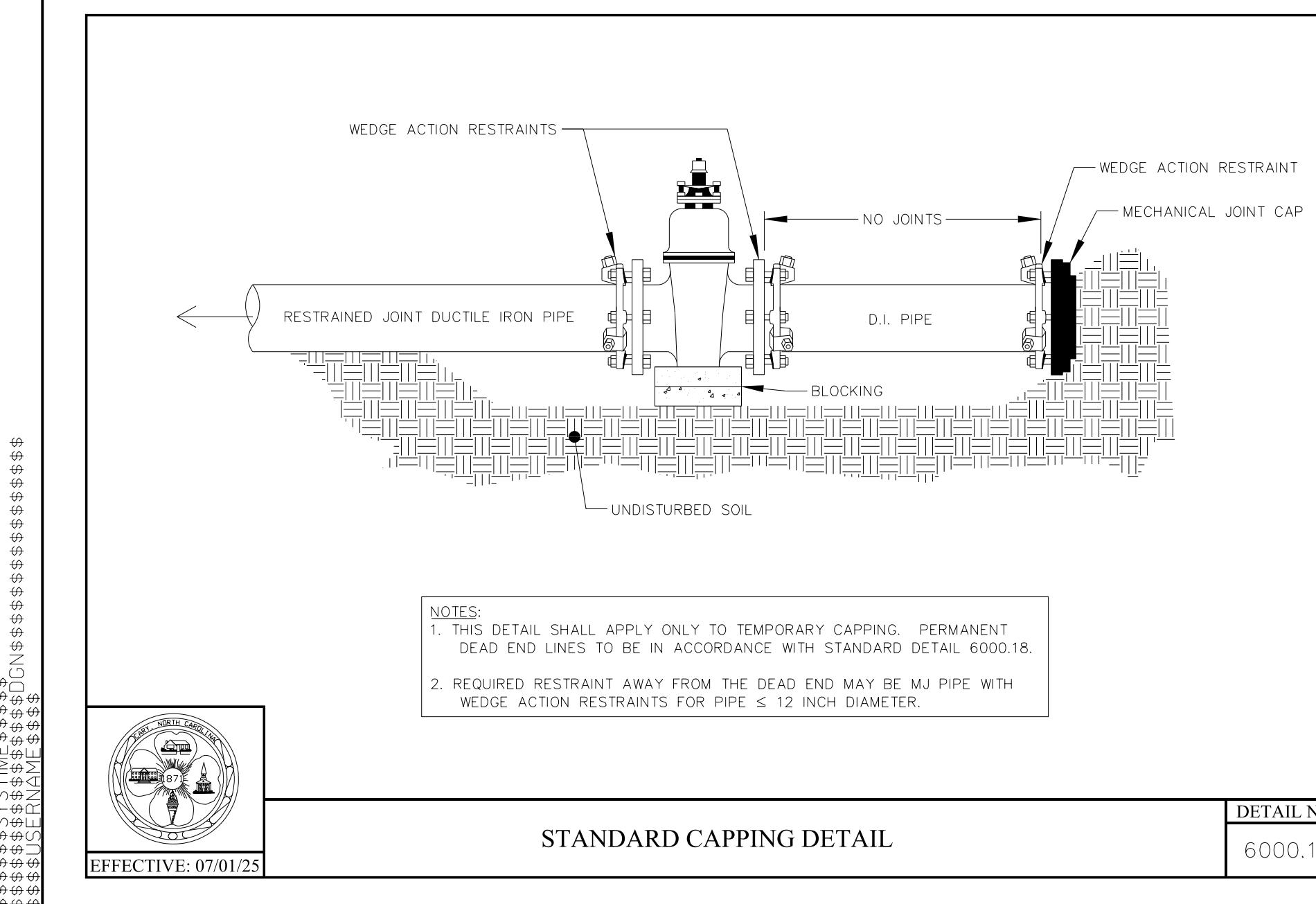
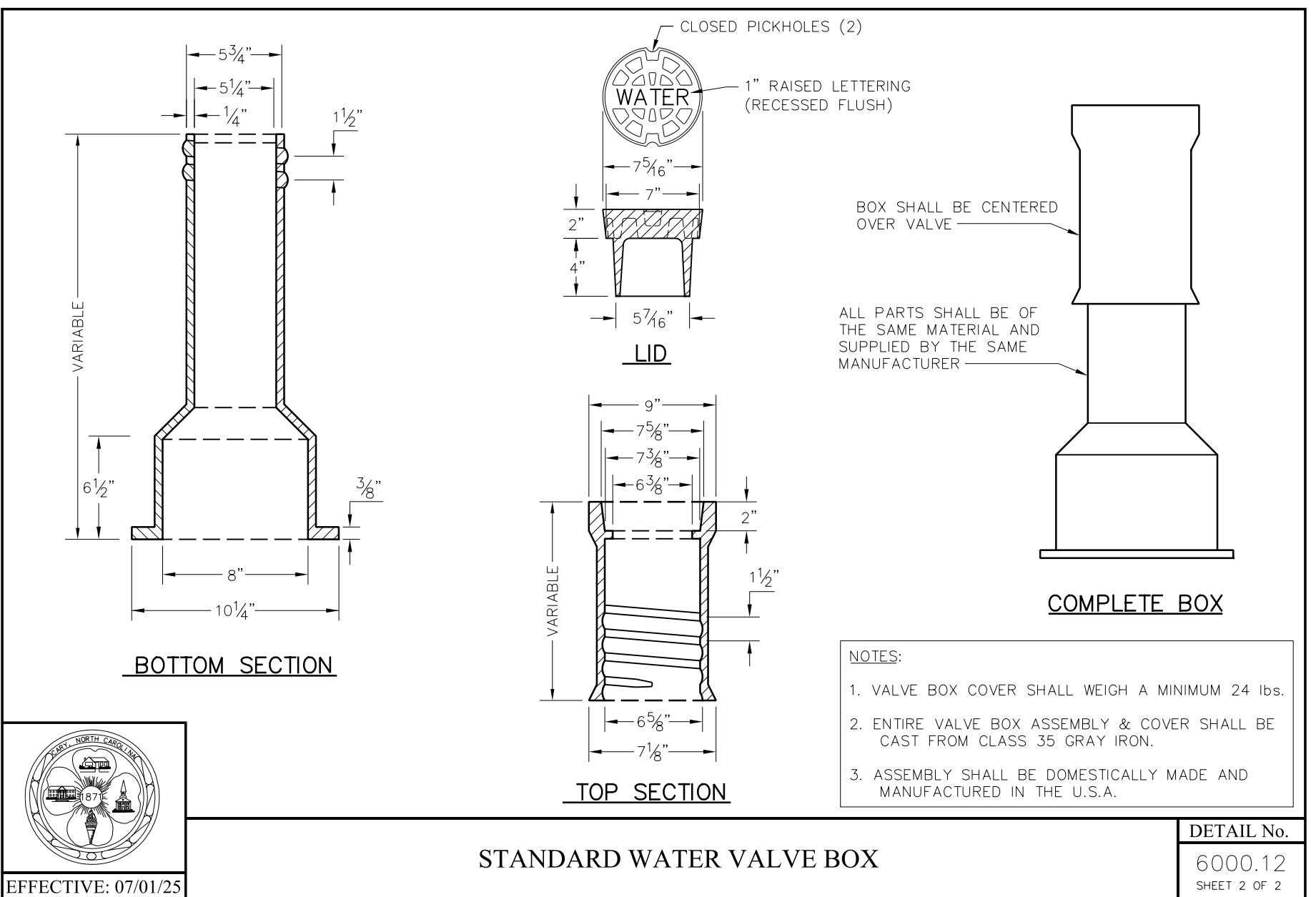
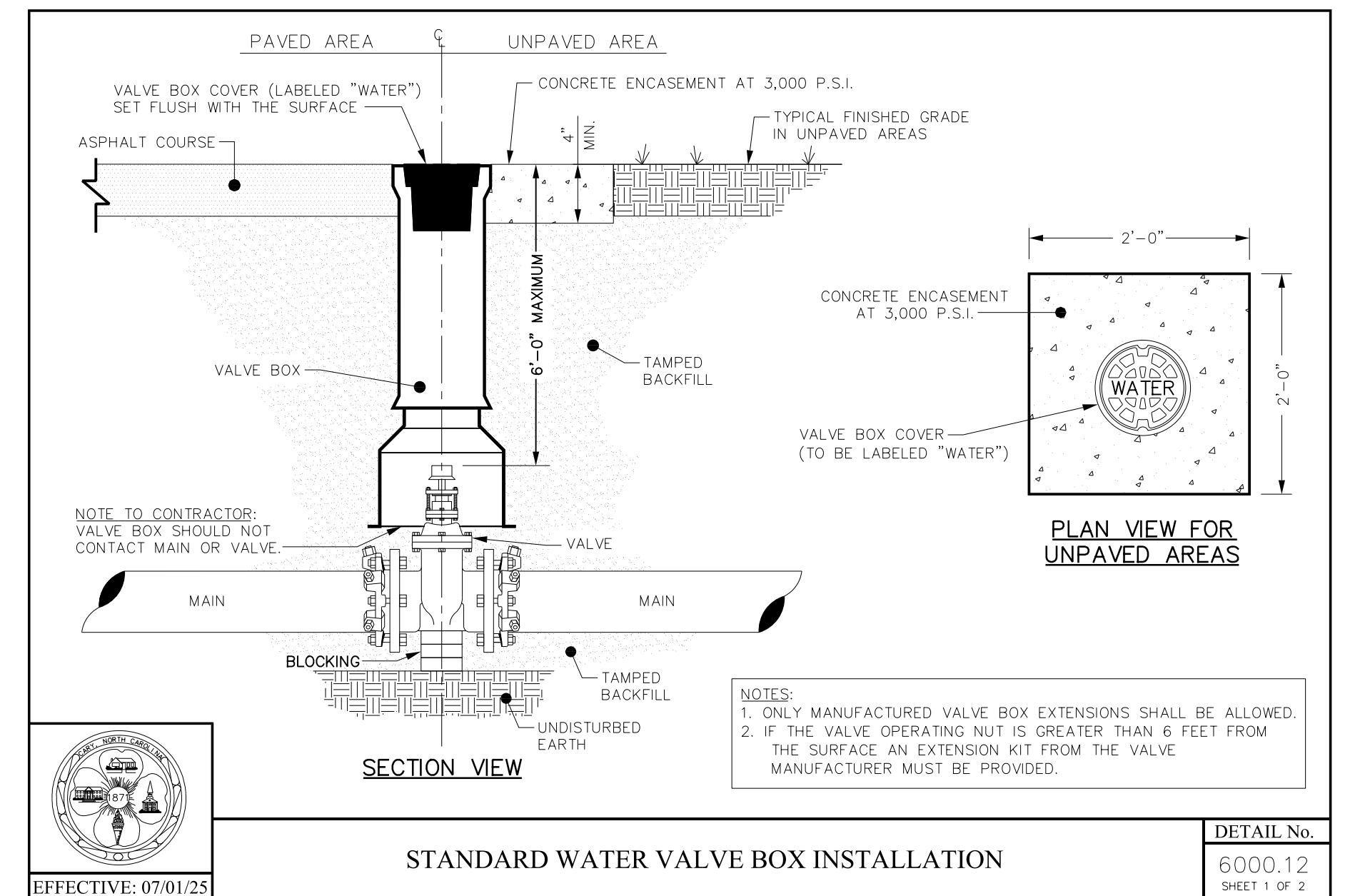
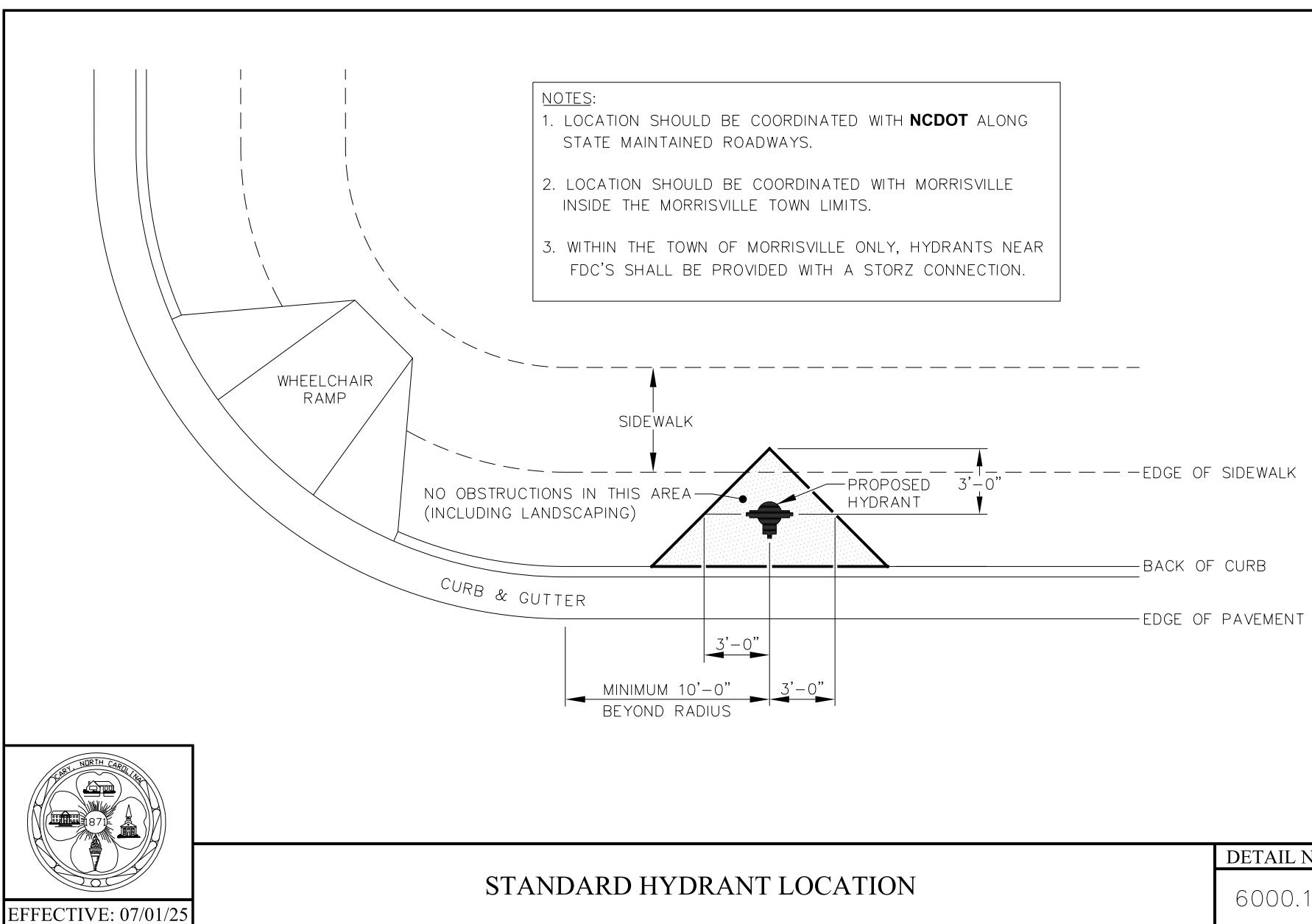
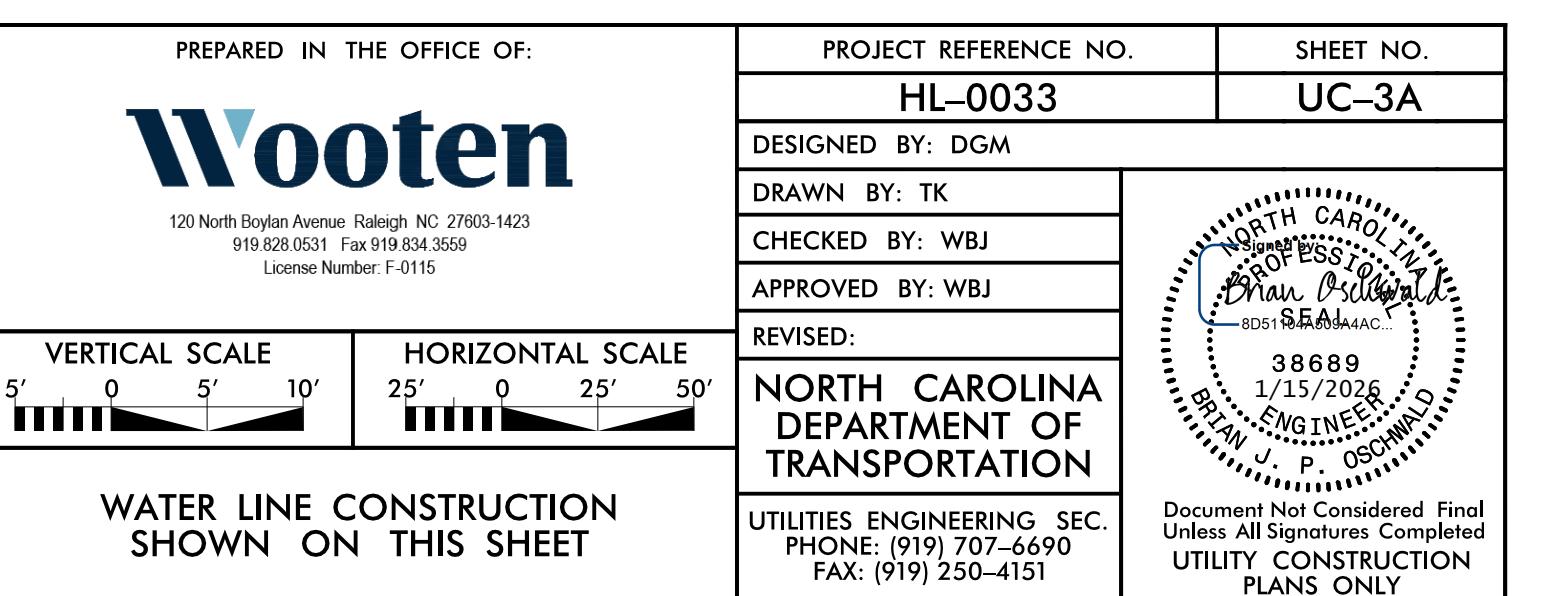
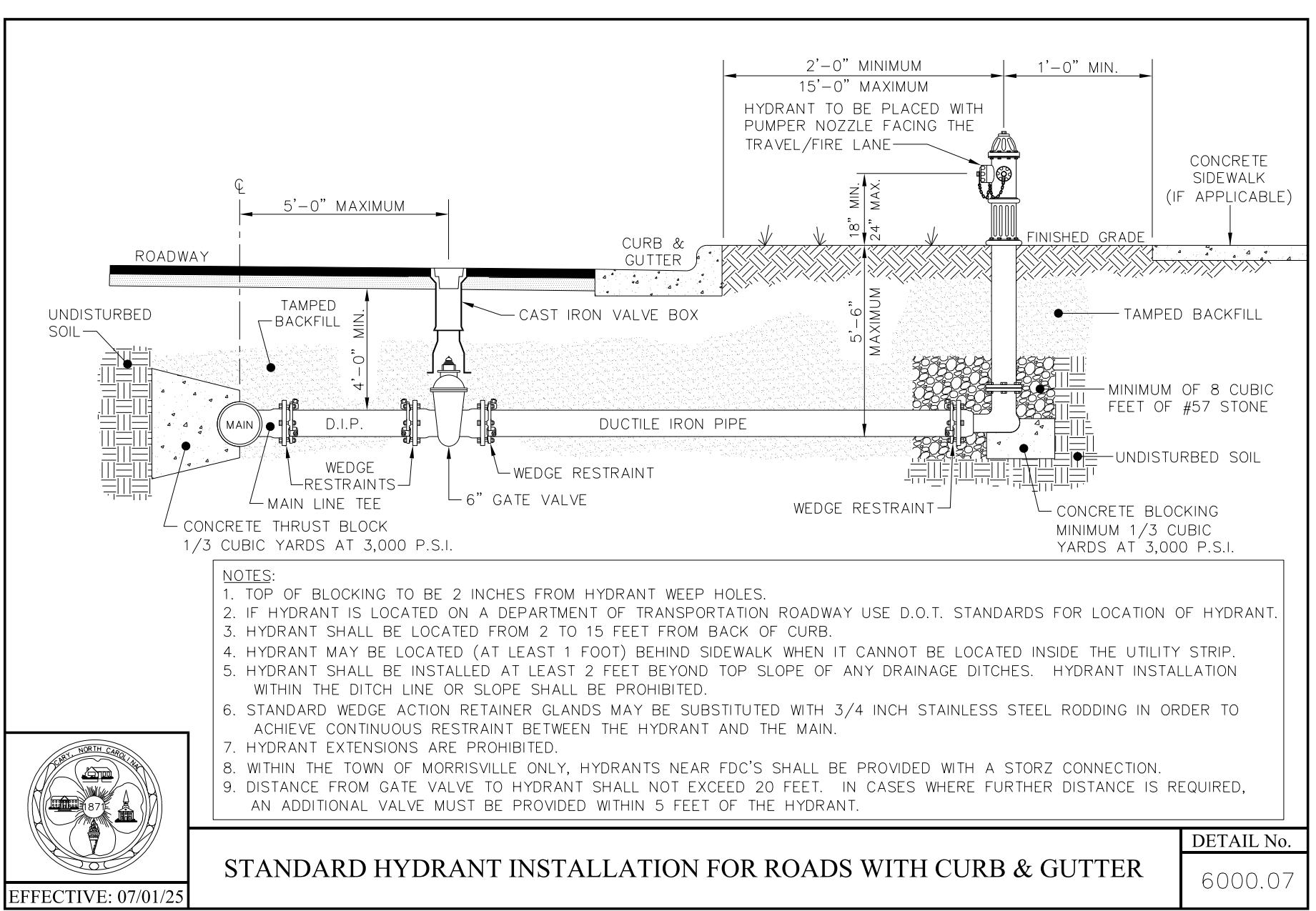
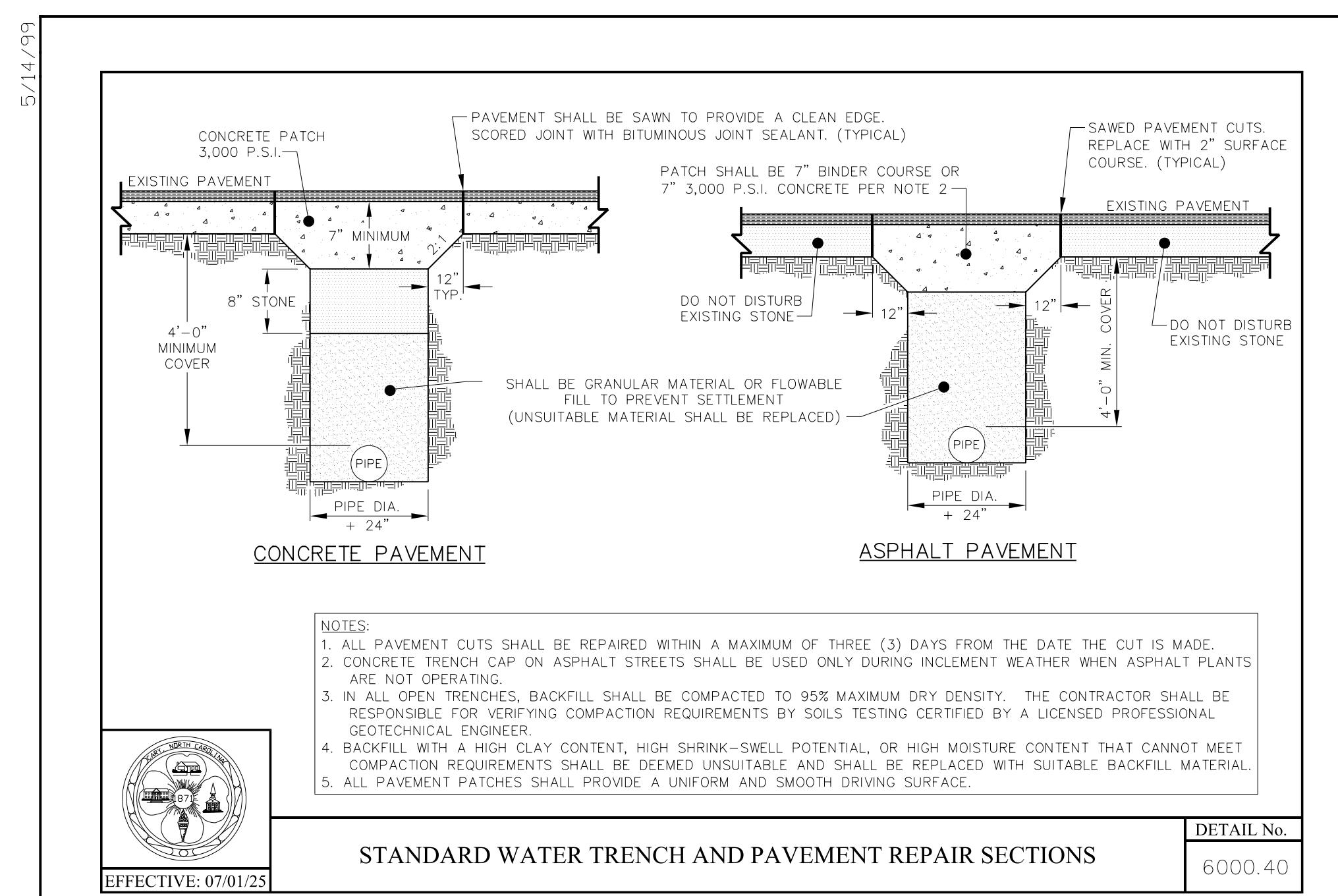
**EXISTING UTILITIES SYMBOLS**

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 .....	
End of Information .....	
AATUR .....	
E.O.I. .....	

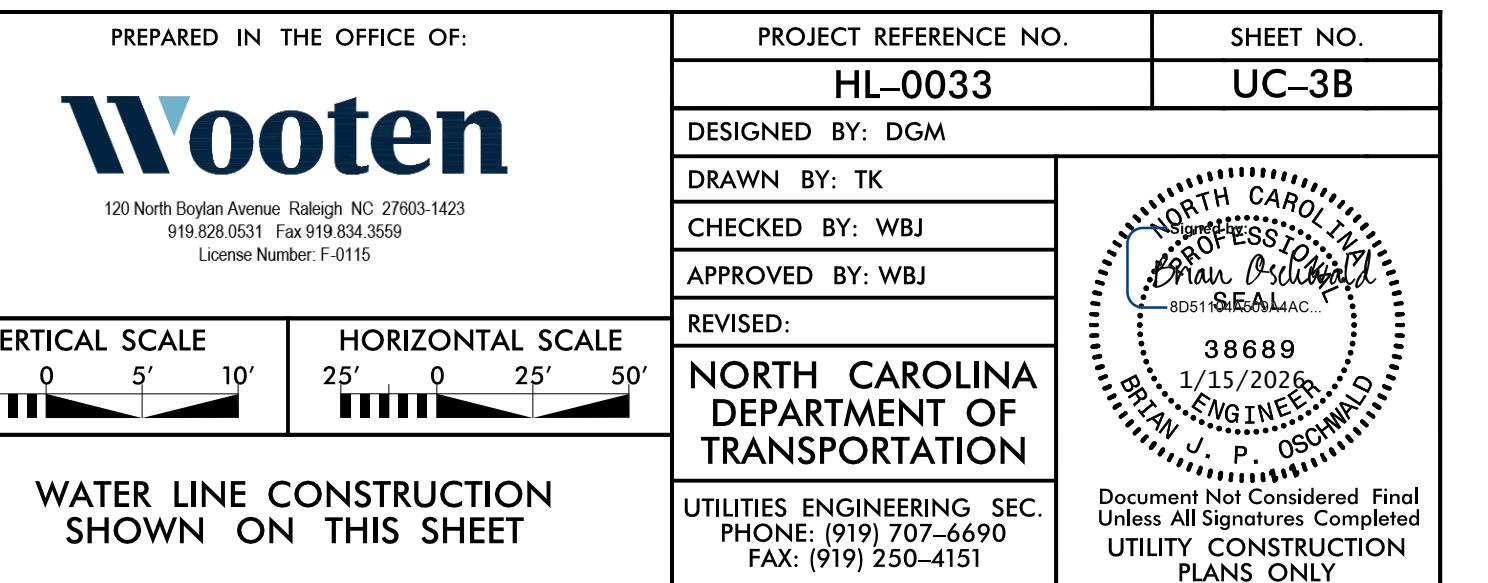
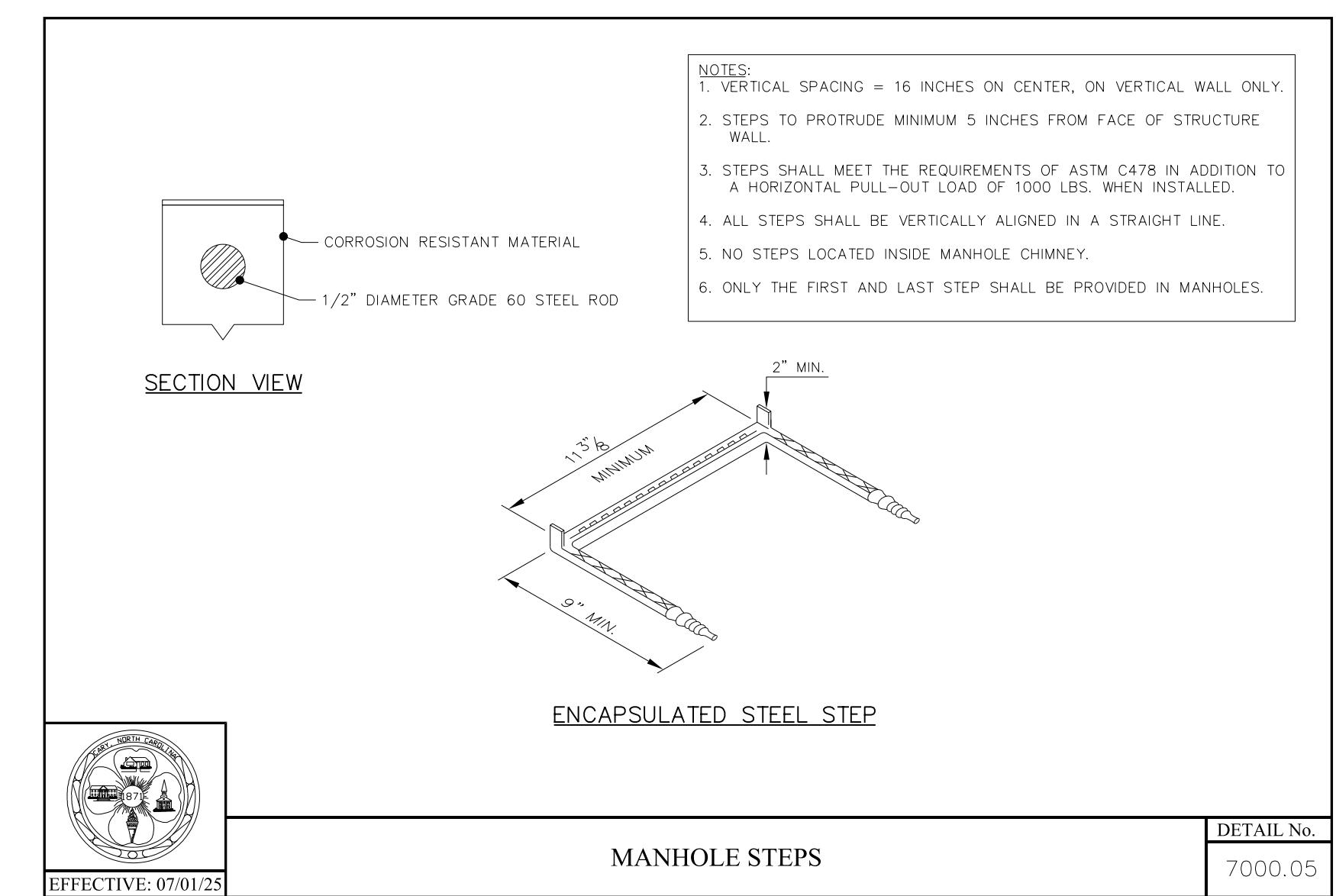
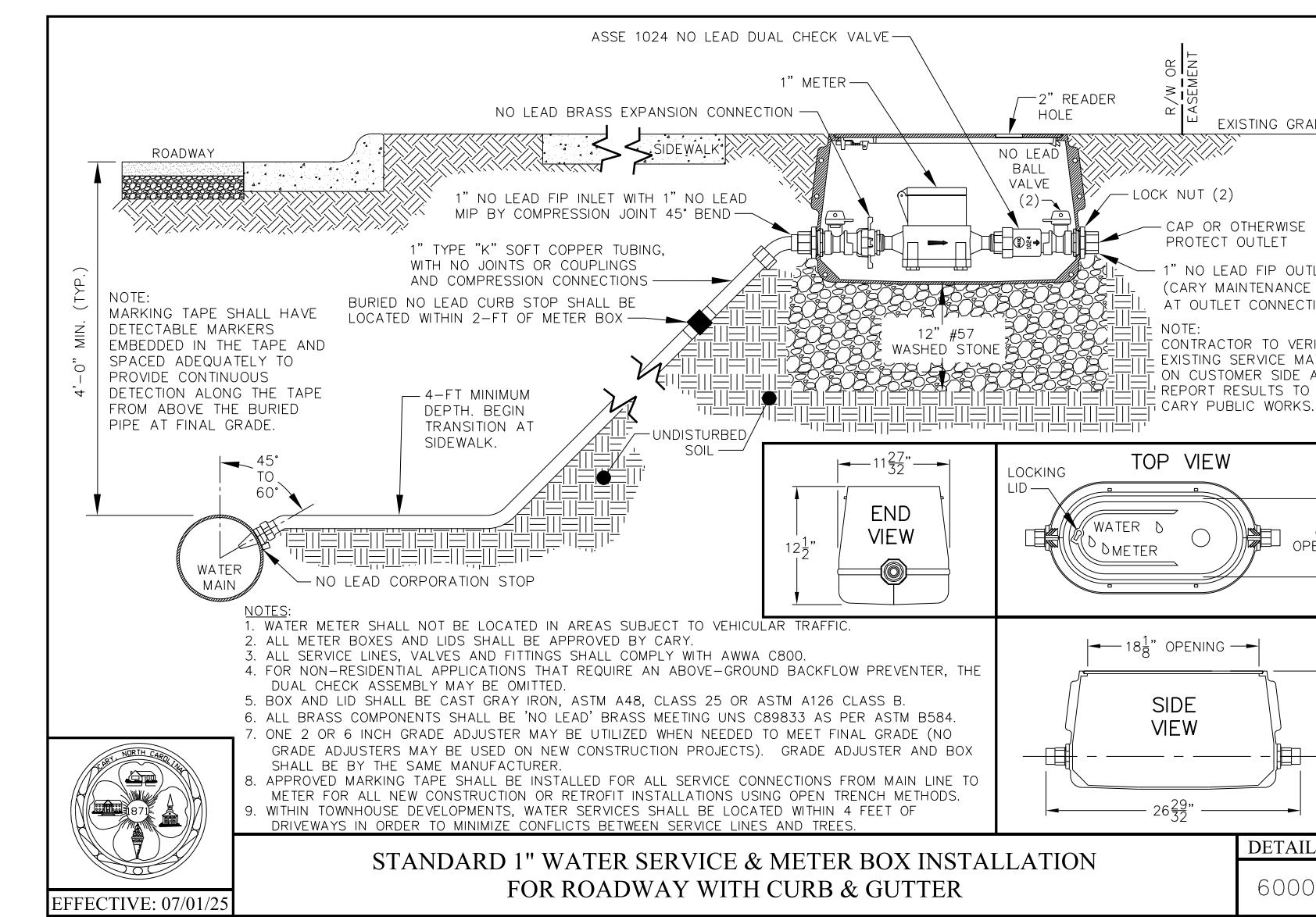
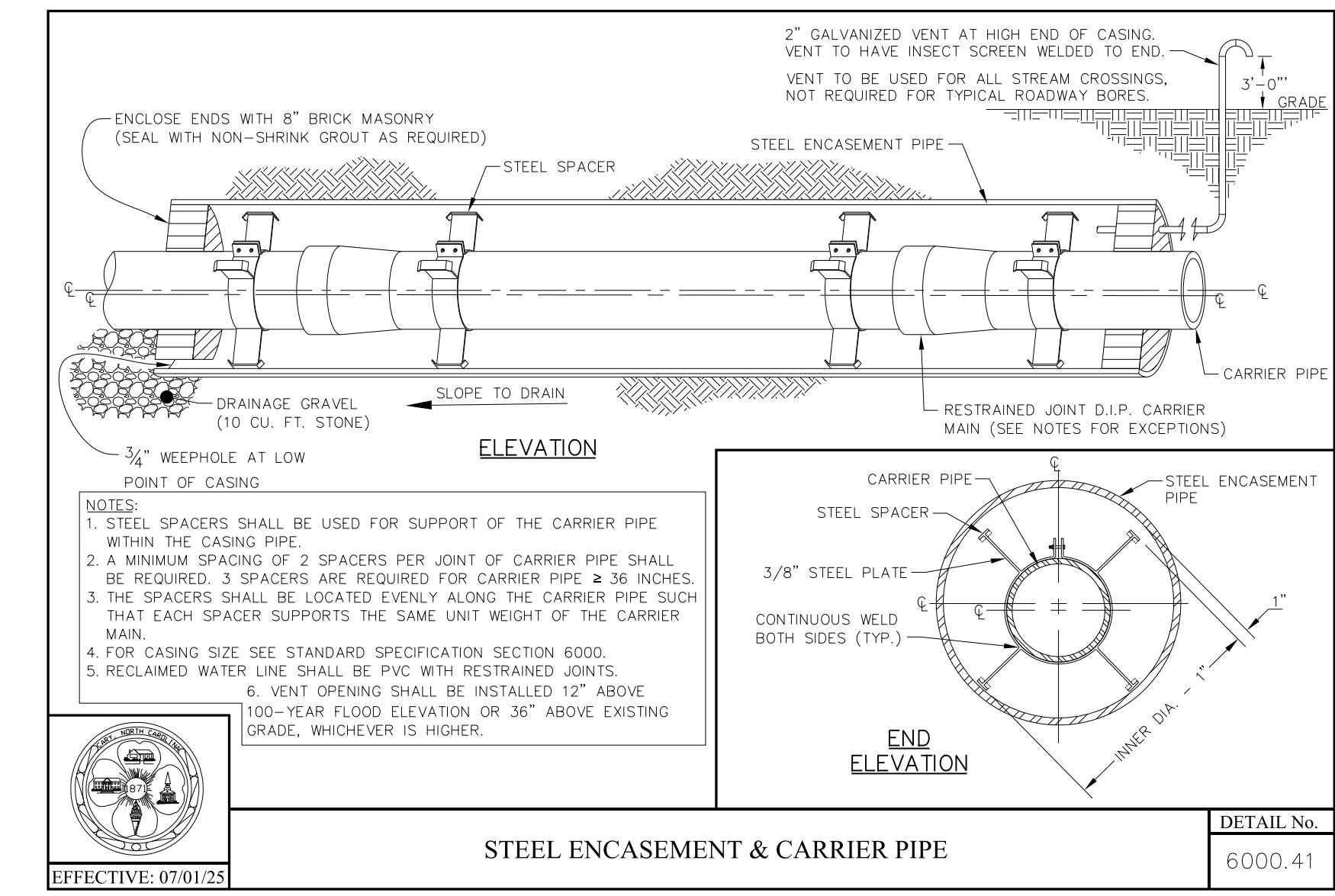
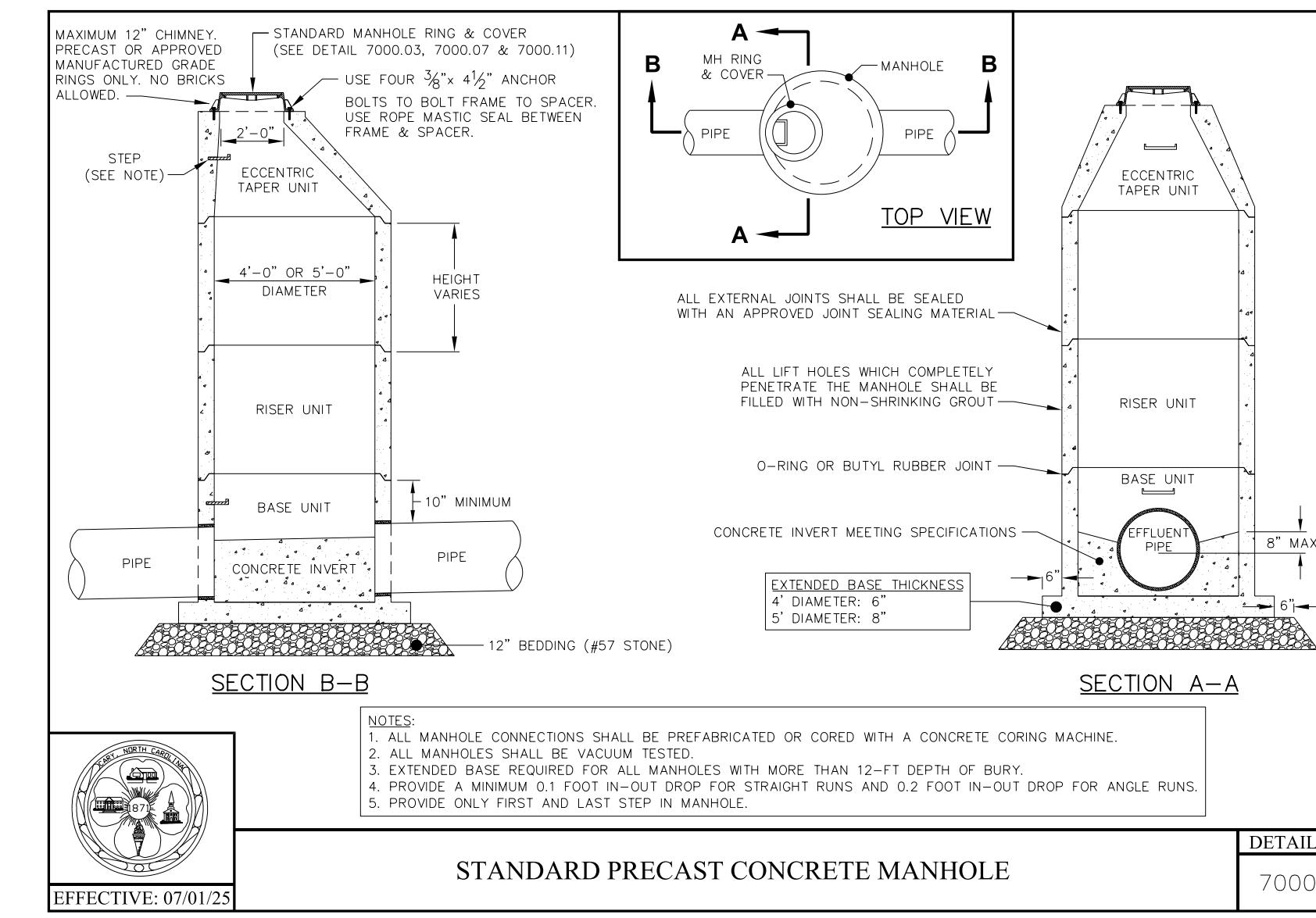
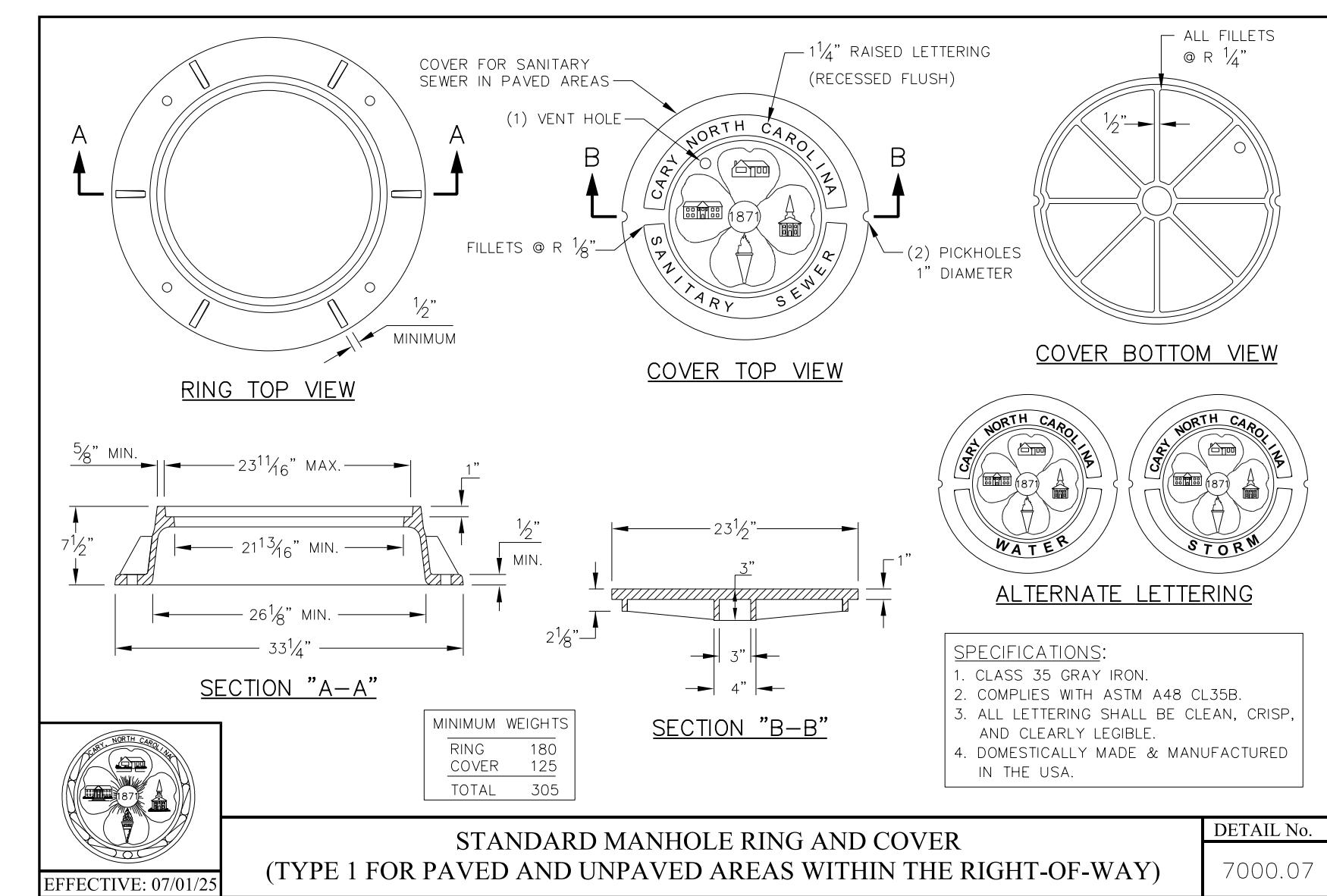
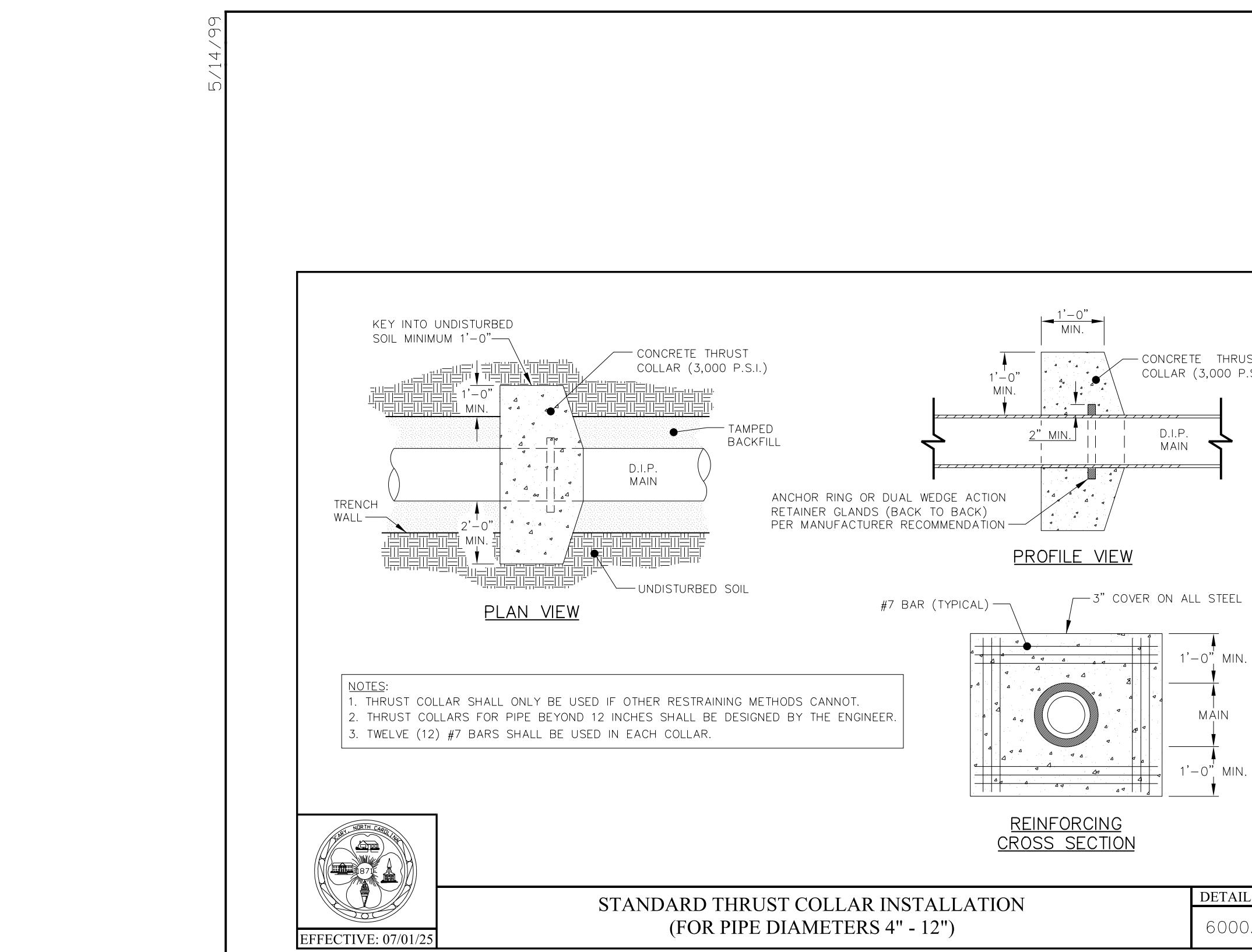
\*For Existing Utilities  
Utility Line Drawn from Record (Type as Shown)  
Designated Utility Line (Type as Shown)

NOTE  
PAY ITEM

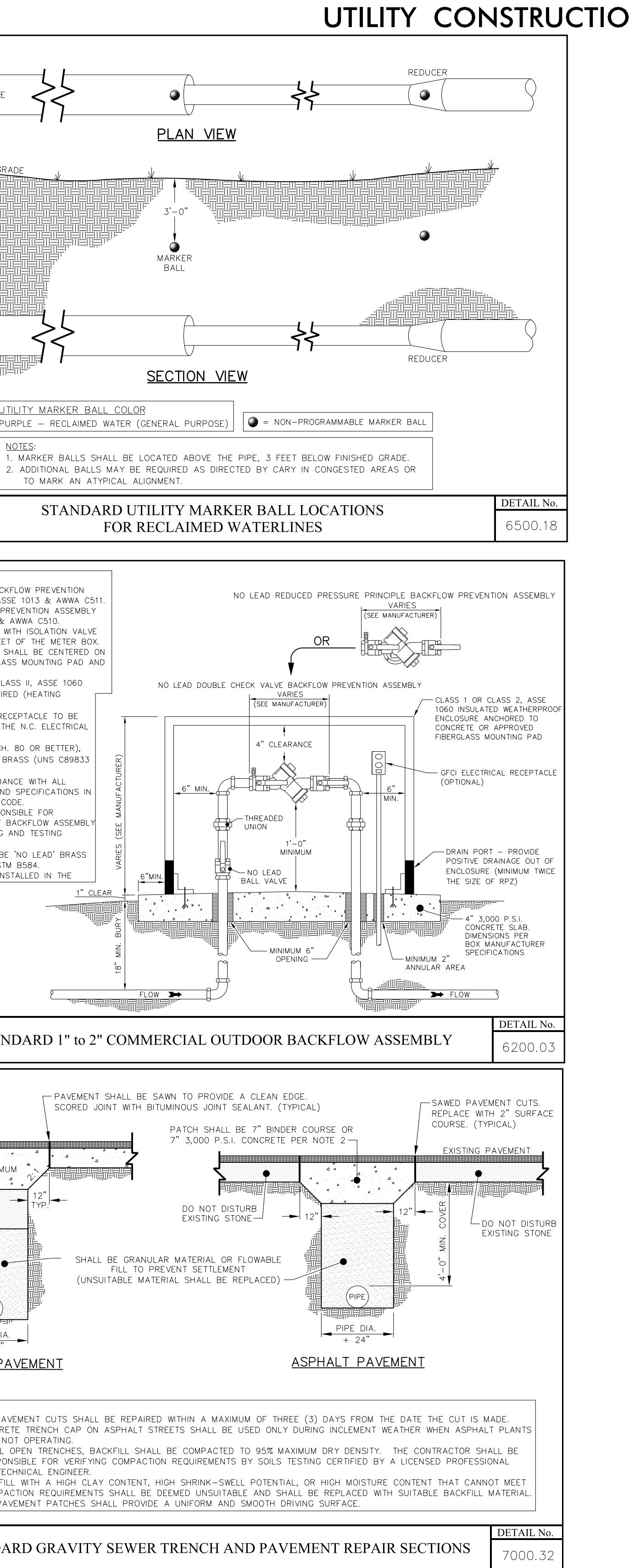




# PROJECT CONSTRUCTION DETAILS



WATER LINE CONSTRUCTION SHOWN ON THIS SHEET



5/14/99

PREPARED IN THE OFFICE OF:		PROJECT REFERENCE NO.	SHEET NO.
<b>Wooten</b>		HL-0033	UC-3C
DESIGNED BY: DGM		DRAWN BY: TK	
CHECKED BY: WBJ		APPROVED BY: WBJ	
APPROVED:		REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		38689 1/15/2026	
WATER LINE CONSTRUCTION SHOWN ON THIS SHEET		UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
Document Not Considered: Final Unless All Signatures Completed UTILITY CONSTRUCTION PLANS ONLY			

UTILITY CONSTRUCTION

## PROJECT CONSTRUCTION DETAILS

