© C297

STATE OF NORTH CAROLINA

17BP.9.R.83

T.I.P. NO.

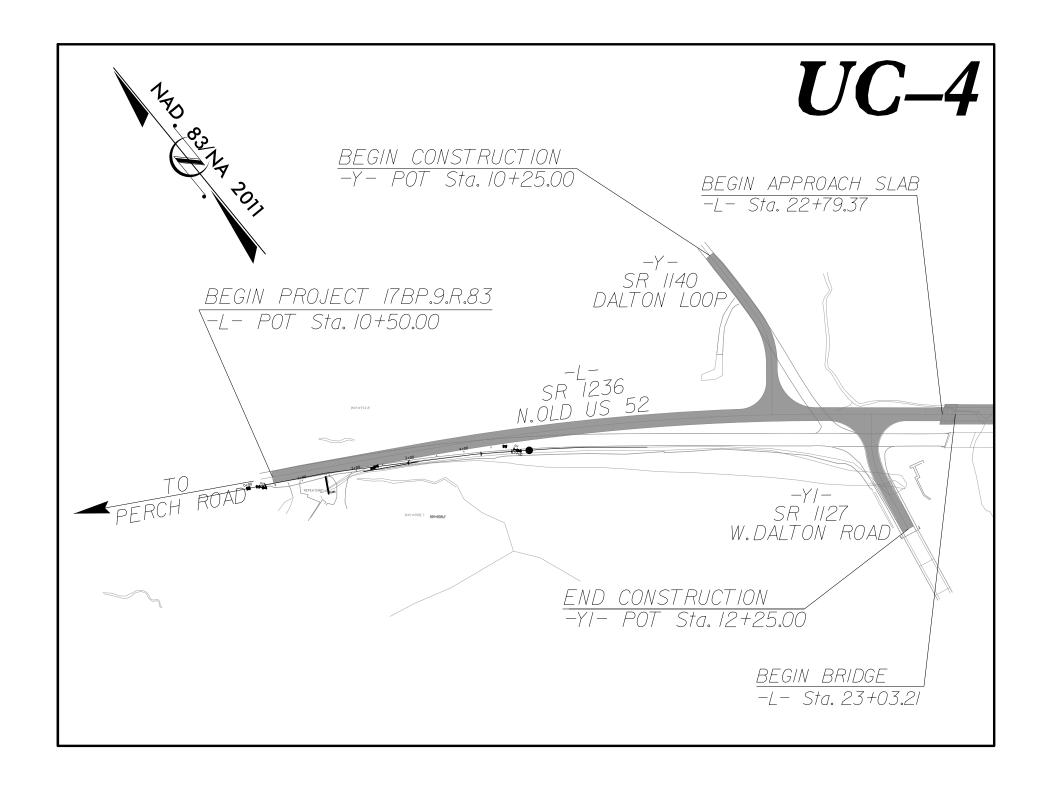
UC-1

SHEET NO.

UTILITY CONSTRUCTION PLANS STOKES COUNTY

LOCATION: BRIDGE NO. 286 OVER LITTLE YADKIN RIVER) ON SR 1236 (NORTH OLD 52)

TYPE OF WORK: WATER LINE RELOCATION



DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

GRAPHIC SCALES SHEET NO.: 50 25 0 50 25 0 PROFILE (HORIZONTAL) PROFILE (VERTICAL)

INDEX OF SHEETS

DESCRIPTION:

TITLE SHEET *UC*–2 UTILITY SYMBOLOGY *UC-3* **NOTES** *UC-3A* **DETAILS** *UC–4* UTILITY CONSTRUCTION SHEETS *UC-5* PROFILE SHEETS

UTILITY OWNERS ON PROJECT

(A) WATER (CITY OF KING)

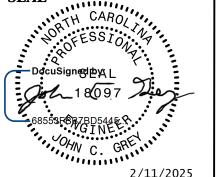
PREPARED IN THE OFFICE OF Wooten

(336) 722-5326 • thewootencompany.com License Number : F-0115

John C. Grey, P.E. J. Perry Mayhew, P.E.

CONSULTANT CONTACT #1 CONSULTANT CONTACT #2

CONSULTANT CONTACT #3



UTILITY CONSTRUCTION

PLANS ONLY

Document Not Considered Fina **Unless All Signatures Completed**

DIVISION OF HIGHWAYS UTILITIES UNIT 1555 MAIL SERVICES CENTER RALEIGH NC 27699-1555 PHONE (919) 707-6690 FAX (919) 250-4151

Amy Dupree York

UTILITIES REGIONAL ENGINEER David Trantham, Div. 9 UTILITIES ENGINEER

UTILITIES AREA COORDINATOR Mark Hood, SO-DEEP UTILITIES COORDINATOR

Lou Porter, Div. 9

STATE OF NORTH CAROLINA

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown) 11½ 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)	⊃ 12″ SS ←
Force Main Sewer Line (Sized as Shown)	▶12″ FSS
Manhole (Sized per Note)	
Sewer Pump Station ·····Ps(SS)	

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

Power Pole ····································	Thrust Block	. [
Telephone Pole	Air Release Valve	- AR - ●
Joint Use Pole ····································	Utility Vault	- UV
Telephone Pedestal ····································	Concrete Pier	- CP
Utility Line by Others(Type as Shown)	Steel Pier	- SP
Trenchless Installation	Plan Note	'
Encasement by Open Cut	Pay Item Note	NOTE
Encasement		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	Нн	Aboveground Gravity Sanitary Sewer Line A/G Sanitary Sewer
Power Transformer	···	*Underground SS Forced Main Line
Telephone Pedestal	··· T	Underground Unknown Utility Line
CATV Pedestal		SUE Test Hole
Gas Valve	····	Water Meter $ riangle$
Gas Meter	♦	Water Valve ······
Located Miscellaneous Utility Object	··· ⊙	Fire Hydrant ····································
Abandoned According to Utility Records	AATUR	Sanitary Sewer Cleanout
End of Information	··· E.O.I.	

*For Existing Utilities
Utility Line Drawn from Record
Designated Utility Line

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 2024.
- 2. THE EXISTING WATER UTILITIES BELONG TO CITY OF KING.
- 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 AND PUBLIC WATER SUPPLY SECTION.
- 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 DEPARTMENT. 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.

- 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 WITHOUT ENDANGERING THE UTILITY SERVICE AND IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS. ALL EXISTING WATER MAINS MUST REMAIN ACTIVE AT ALL TIMES DURING CONSTRUCTION. EXISTING WATER MAINS SHALL NOT BE TAKEN OUT OF SERVICE UNTIL NEW MAINS HAVE BEEN TESTED, DISINFECTED AND CERTIFIED. THIS IS PROVIDED AS A GUIDE ONLY AND IS NOT INTENDED TO BE BINDING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ADEQUATE SEQUENCING AND BYPASS PUMPING.
- 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. NEW WATER MAIN AND APPURTENANCES MUST BE CONSTRUCTED, TESTED, APPROVED FOR SERVICE PRIOR TO EXISTING WATER MAIN BEING TAKEN OUT OF SERVICE.
- 2. NEW WATER MAIN MAY BE CONSTRUCTED IN PHASES TO FACILITATE ROADWAY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF A PHASING PLAN CLEARLY IDENTIFYING EACH PHASE AND SUBMIT FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. EACH COMPLETED PHASE MUST RECEIVE NCDEQ FINAL APPROVAL PRIOR TO BEING PLACED INTO SERVICE.
- 3. REMOVAL OF ALL ASBESTOS CEMENT (AC) PIPE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. CONTACT JEFF DELLINGER (919-707-5950) WITH NCDHHS FOR FURTHER INFORMATION.
- 4. WATER LINE PIPE MATERIAL SHALL EITHER BE DUCTILE IRON OR C-900 PVC (DR-14).

PREPARED IN THE OFFICE OF:

No. 100 S. Main Street • Winston-Salem, NC 27101
(336) 722-5326 • thewootencompany.com

WATER LINE CONSTRUCTION

SHOWN ON THIS SHEET

VERTICAL SCALE

5′ 0 5′ 10′

HORIZONTAL SCALE
25' 0 25' 50'

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

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SHEET NO.

UC-3

UTILITY CONSTRUCTION

PROJECT REFERENCE NO.

17BP.9.R.83

JTILITIES ENGINEERING SEC.

PHONE: (919) 707–6690 FAX: (919) 250–4151

DESIGNED BY: JCG
DRAWN BY: BTH
CHECKED BY: KJW
APPROVED BY: JCG



DUAL CHECK VALVE

OR I" SERVICE

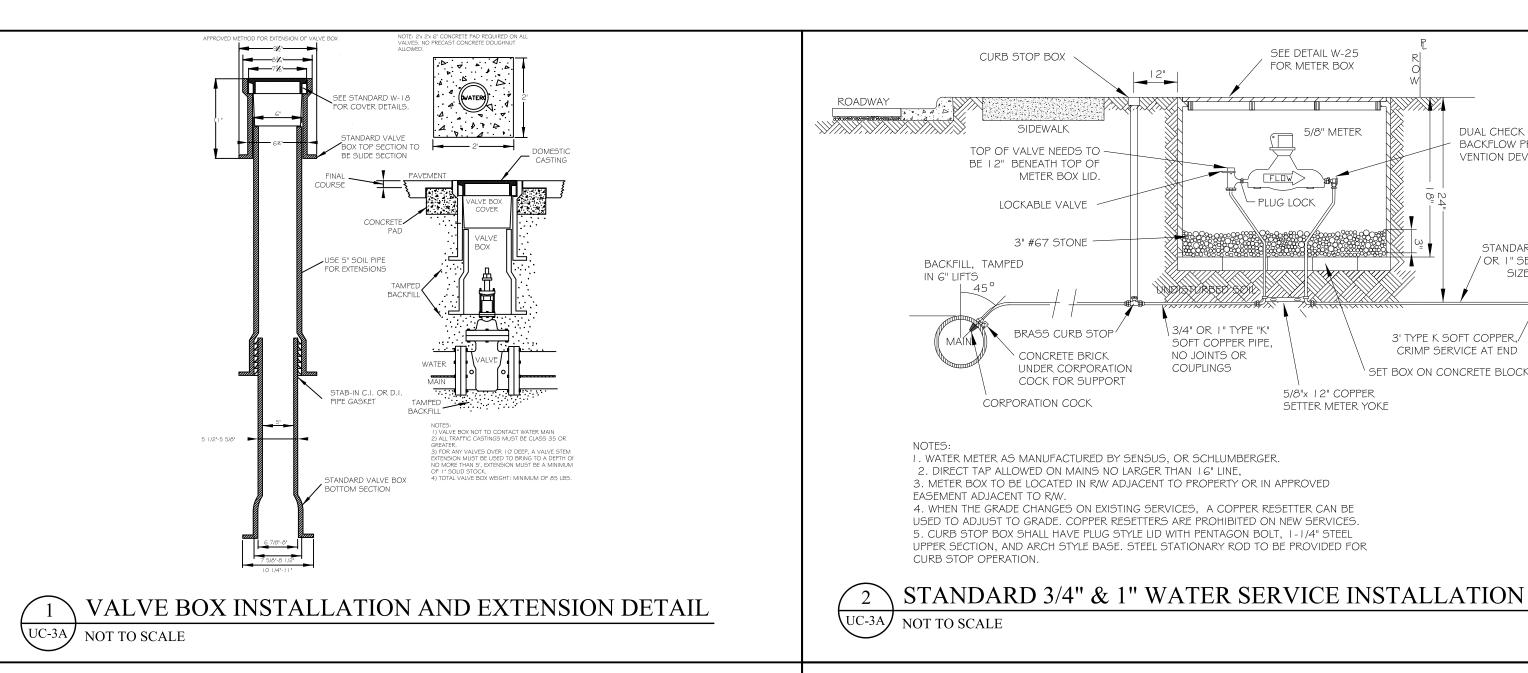
3' TYPE K SOFT COPPER,/

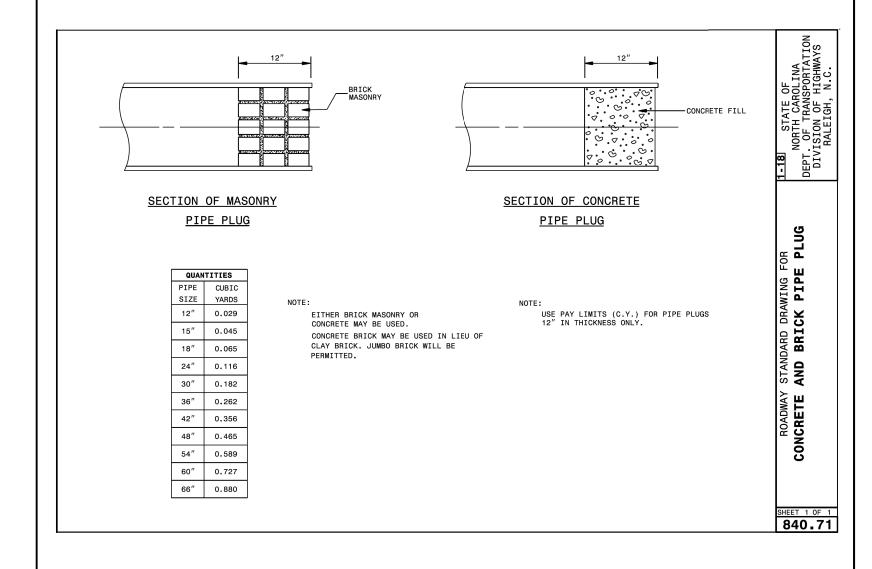
CRIMP SERVICE AT END

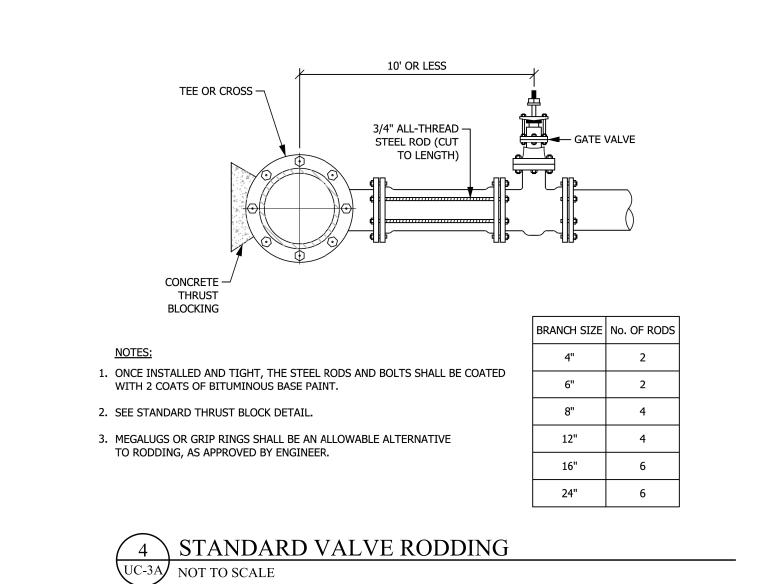
SET BOX ON CONCRETE BLOCKS

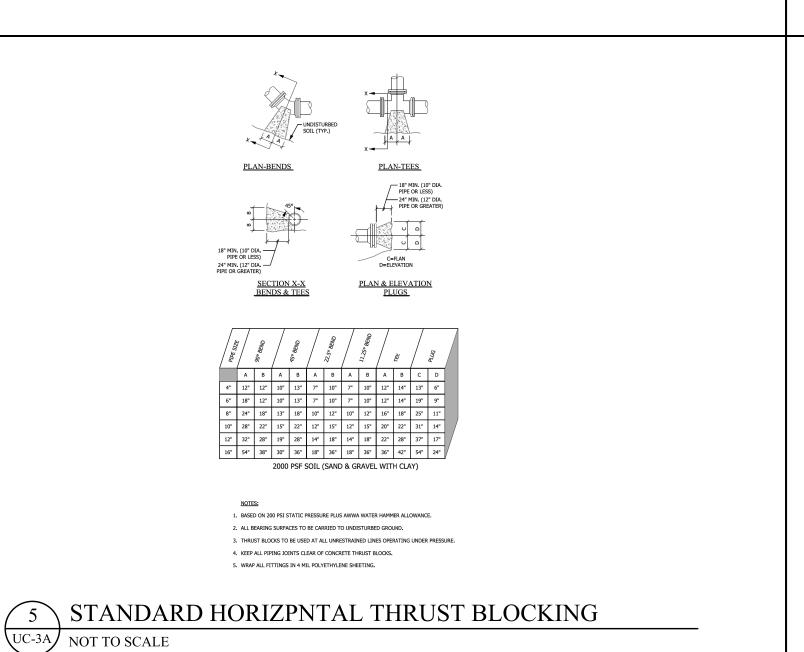
BACKFLOW PRE-

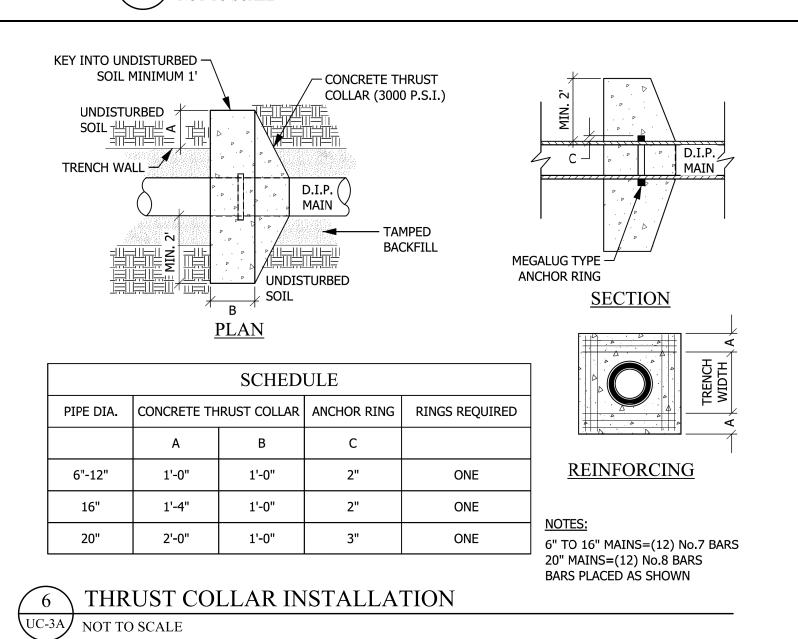
VENTION DEVICE

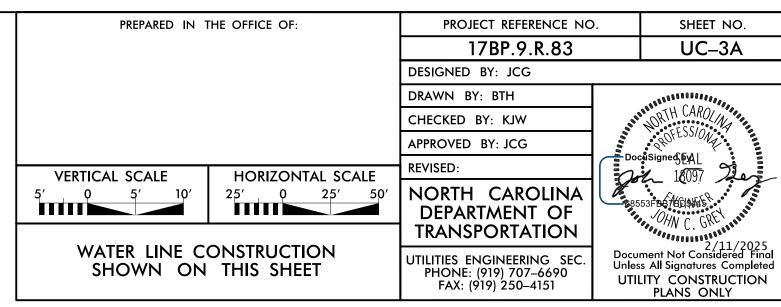




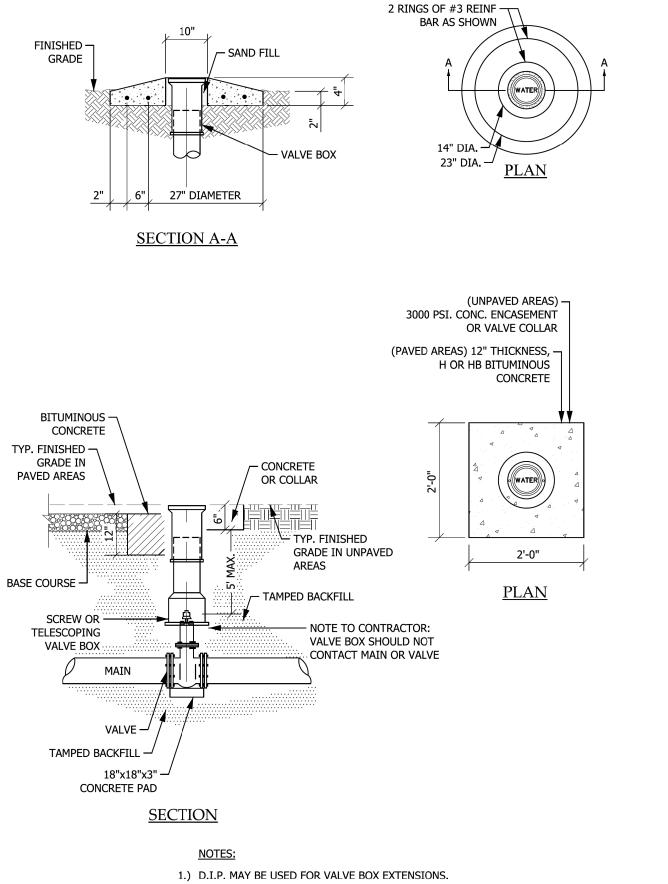








UTILITY CONSTRUCTION



STANDARD VALVE BOX INSTALLATION DETAIL

UC-3A NOT TO SCALE

SEBBESSTATURESSESS SEBBESSESSESSESSIA SEBELDIANTALSSES

