This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.

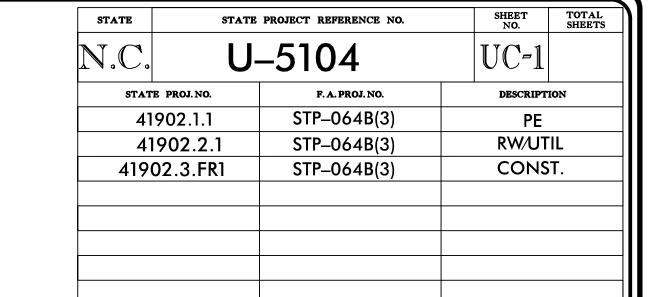
This file or an individual page shall not be considered a certified document.

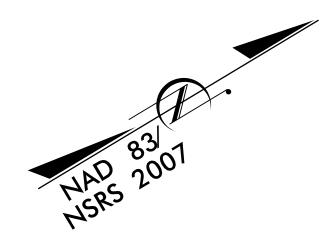
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

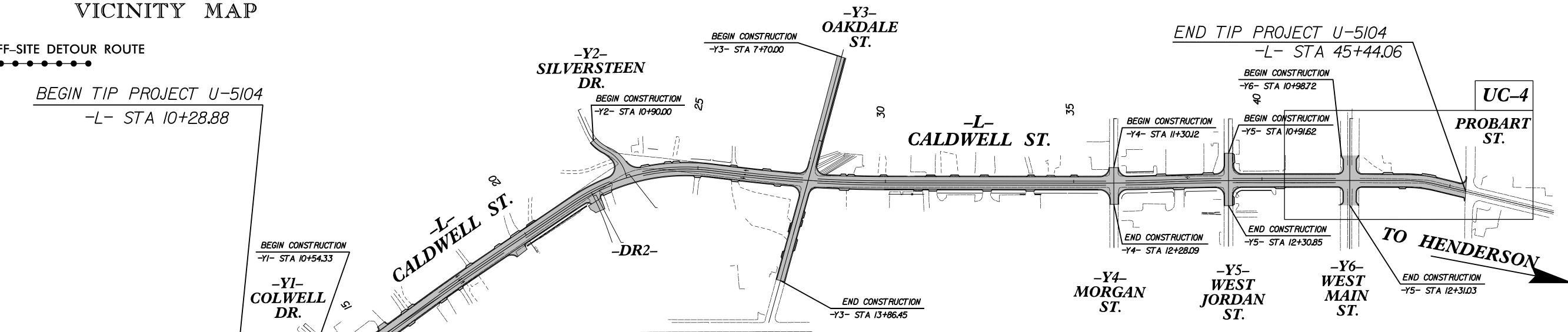
UTILITY CONSTRUCTION PLANS TRANSYLVANIA COUNTY

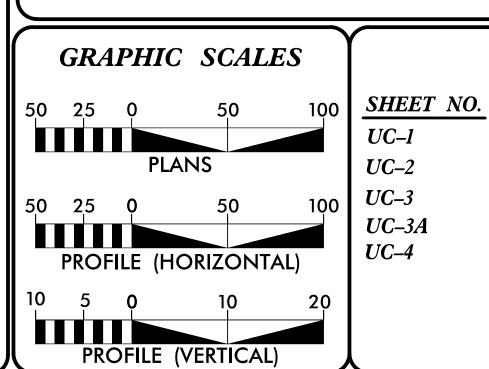
LOCATION: S. CALDWELL STREET FROM (BUS. 64) ROSMAN HIGHWAY (US 64) TO PROBART STREÉT

TYPE OF WORK: WATER LINE WORK







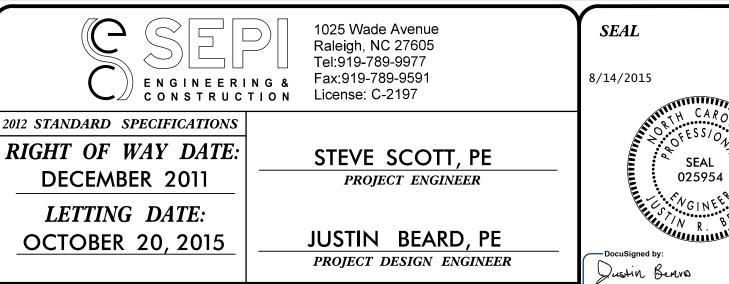


INDEX OF SHEETS

DESCRIPTION TITLE SHEET UTILITY SYMBOLOGY **NOTES DETAILS** UTILITY CONSTRUCTION AND PROFILE SHEET

WATER OWNER ON **PROJECT**

(1) WATER - CITY OF BREVARD



STEPHEN WILLIAMS

DIVISION PROJECT MANAGER-NCDOT

NCDOT CONTACT

PREPARED IN THE OFFICE OF: DIVISION OF HIGHWAYS UTILITIES UNIT UTILITIES ENGINEERING

1555 MAIL SERVICES CENTER RALEIGH NC 27699–1555 PHONE (919) 707–6690 FAX (919) 250–4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER Carl Barclay, MPA, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER

UTILITIES PROJECT DESIGNER

DocuSign Envelope ID: 8C75F7AE-12CF-49B2-96C4-D7C3C004F96F

PROJECT REFERENCE NO. SHEET NUC-2

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown) 11½ Degree Bend ······ 22½ Degree Bend 45 Degree Bend ····· 90 Degree Bend 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) Force Main Sewer Line _____ (Sized as Shown) Manhole (Sized per Note) Sewer Pump Station

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

ower Pole	Thrust Block
elephone Pole ····································	Air Release Valve
oint Use Pole ····································	Utility Vault
elephone Pedestal ····································	Concrete Pier
tility Line by Others Type as Shown)	Steel Pier ·····
renchless Installation ····································	Plan Note ·····
ncasement by Open Cut	Pay Item Note ·····
ncasement	

EXISTING UTILITIES SYMBOLS

Power Pole	•
Telephone Pole	-
Joint Use Pole	→
Utility Pole	•
Utility Pole with Base	⊡
H-Frame Pole	••
Power Transmission Line Tower	\boxtimes
Water Manhole	W
Power Manhole	P
Telephone Manhole	•
Sanitary Sewer Manhole	●
Hand Hole for Cable	FH
Power Transformer	M
Telephone Pedestal ······	Ī
CATV Pedestal	
Gas Valve ·····	♦
Gas Meter	\Diamond
Located Miscellaneous Utility Object	·
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

*Underground	Power Line	———Р	
*Underground	Telephone Cable	т	
*Underground	Telephone Conduit	т	с
*Underground	Fiber Optics Telephone Cable	т	F0
*Underground	TV Cable		v———
*Underground	Fiber Optics TV Cable	тv	F0
*Underground	Gas Pipeline		;
Aboveground	Gas Pipeline	A/G	Gas
*Underground	Water Line	ν	1
Aboveground	Water Line	A/0	Water
*Underground	Gravity Sanitary Sewer Line	s	s
Aboveground	Gravity Sanitary Sewer Line	A/G San	itary Sewer
*Underground	SS Forced Main Line	F	ss——
Underground	Unknown Utility Line		UTL ———
SUE Test Hol	Le	•	
Water Meter		0	
Water Valve		8	
Fire Hydrant	t	⋄≎	
Sanitary Sev	ver Cleanout	(

*For Existing Utilit	ies	
Utility Line Drawn (Type as Shown)	from Record	_
Designated Utility (Type as Shown)	Line	-

REV: 2/1/2012

/2015 Agadway/Rong nog no (caldwellst Improvements)/Iltilties/Fraireerina/IIC/Proi/Nos II5104 IIt notes IIC3 rsh do

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.
- 2. THE EXISTING UTILITIES BELONG TO CITY OF BREVARD.
- 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. 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 TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITONAL 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.

PROJECT SPECIFIC NOTES:

1. EXISTING WATER LINE ABANDONMENT FROM -L- LINE STATION 42+55 TO -L- LINE STATION 45+45. GATE VALVES INSTALLED AT EACH END, AND ENTIRE LENGTH TO SEALED WITH FLOWABLE FILL.

PROJECT REFERENCE NO. SHEET NO.

U-5104

DESIGNED BY: JB

DRAWN BY: LE

CHECKED BY: MC

APPROVED BY:

REVISED:

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE: (919)707-6690
FAX: (919)250-4151

PLANS ONLY

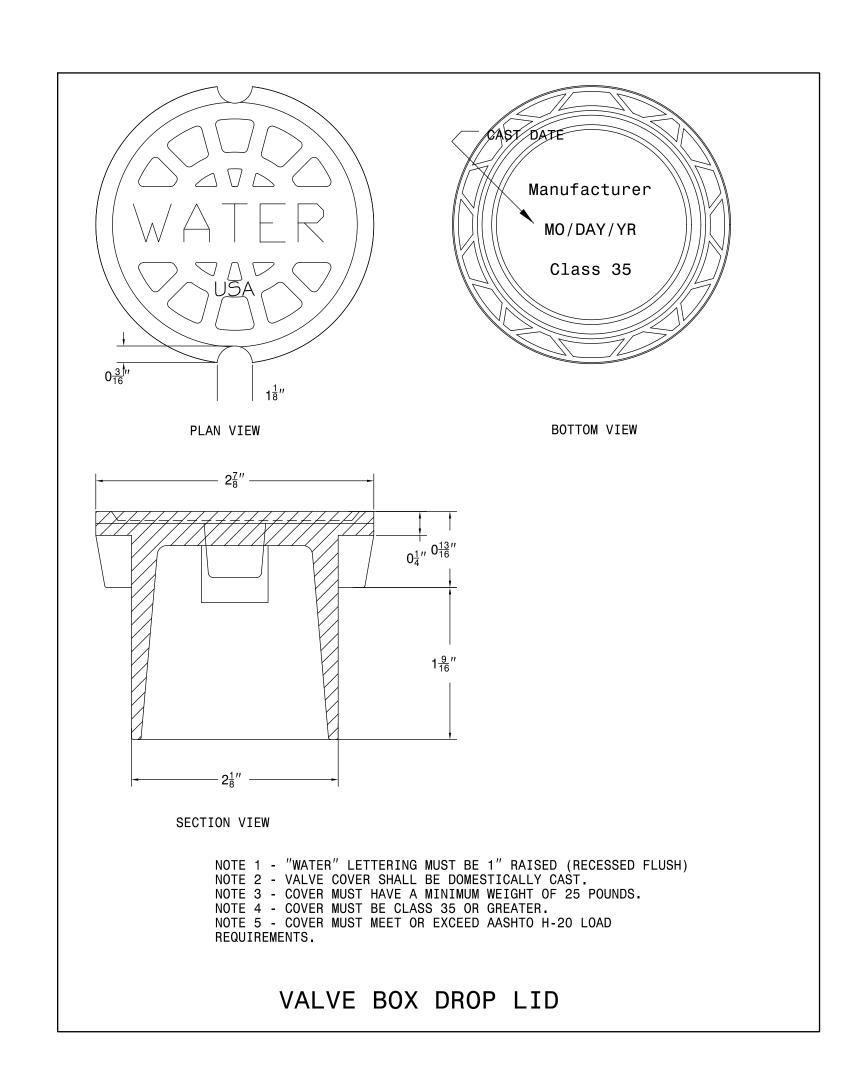
UTILITY CONSTRUCTION

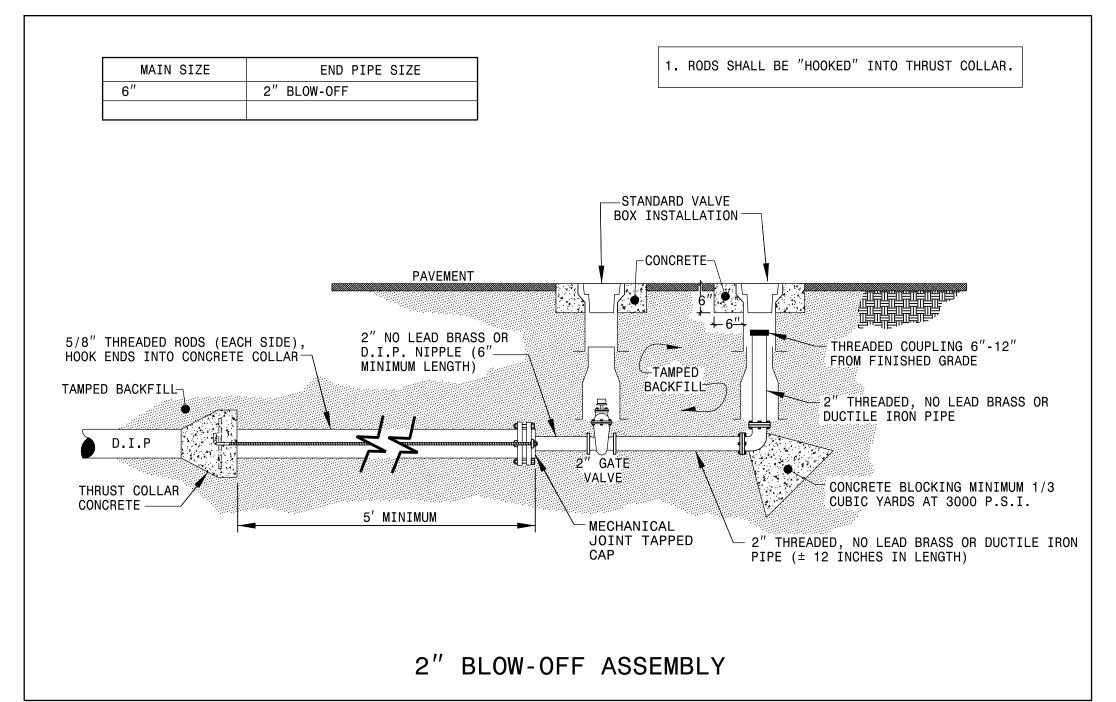
DocuSign Envelope ID: 8C75F7AE-12CF-49B2-96C4-D7C3C004F96F

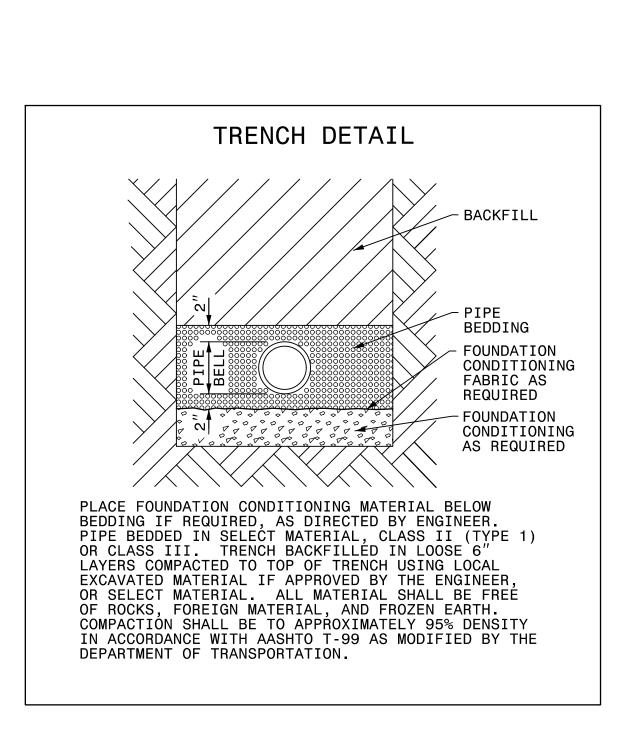
PROJECT TYPICAL DETAILS

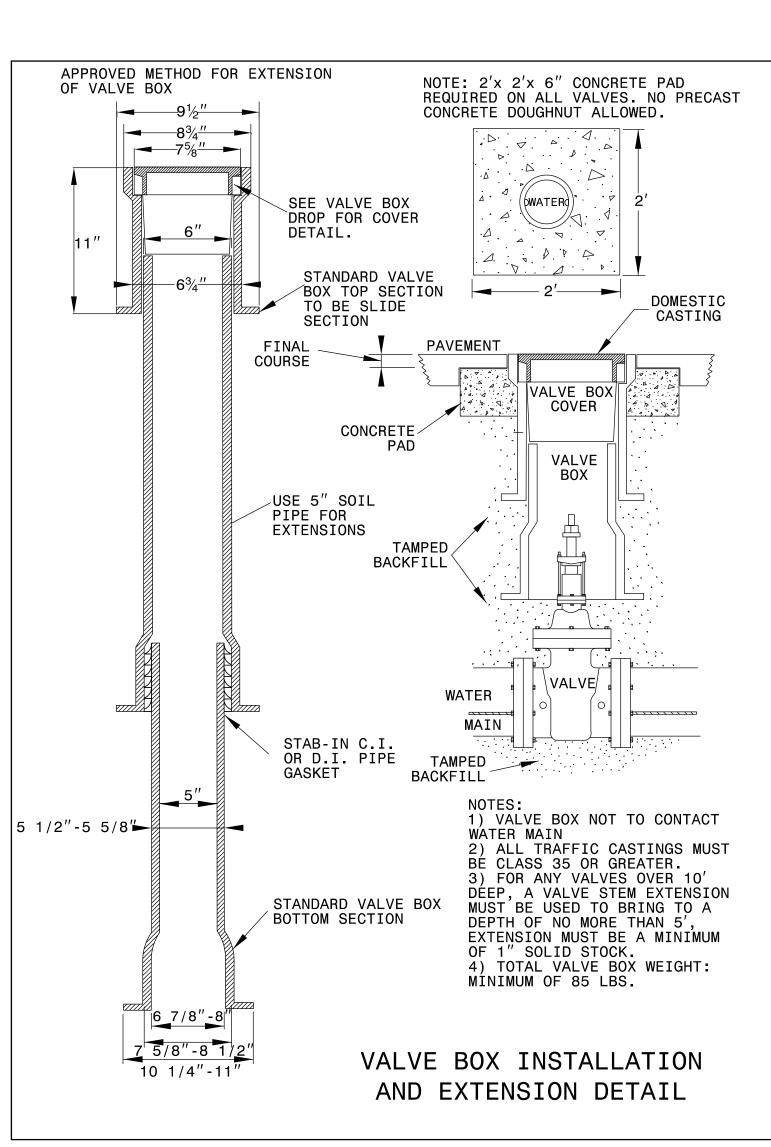
PROJECT REFERENCE	NU.	SHEET NU.
		UC-3A
DESIGNED BY:	8/14/2	015
DRAWN BY:	Á	TH CARO
CHECKED BY:		OFESSION 1
APPROVED BY:		SEAL
REVISED:		025954
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	Docus	CANCOLANIE REPORTED TO THE PARTY OF THE PART
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	UT I L'Î	TY CONSTRUCTION PLANS ONLY











UC - 4

