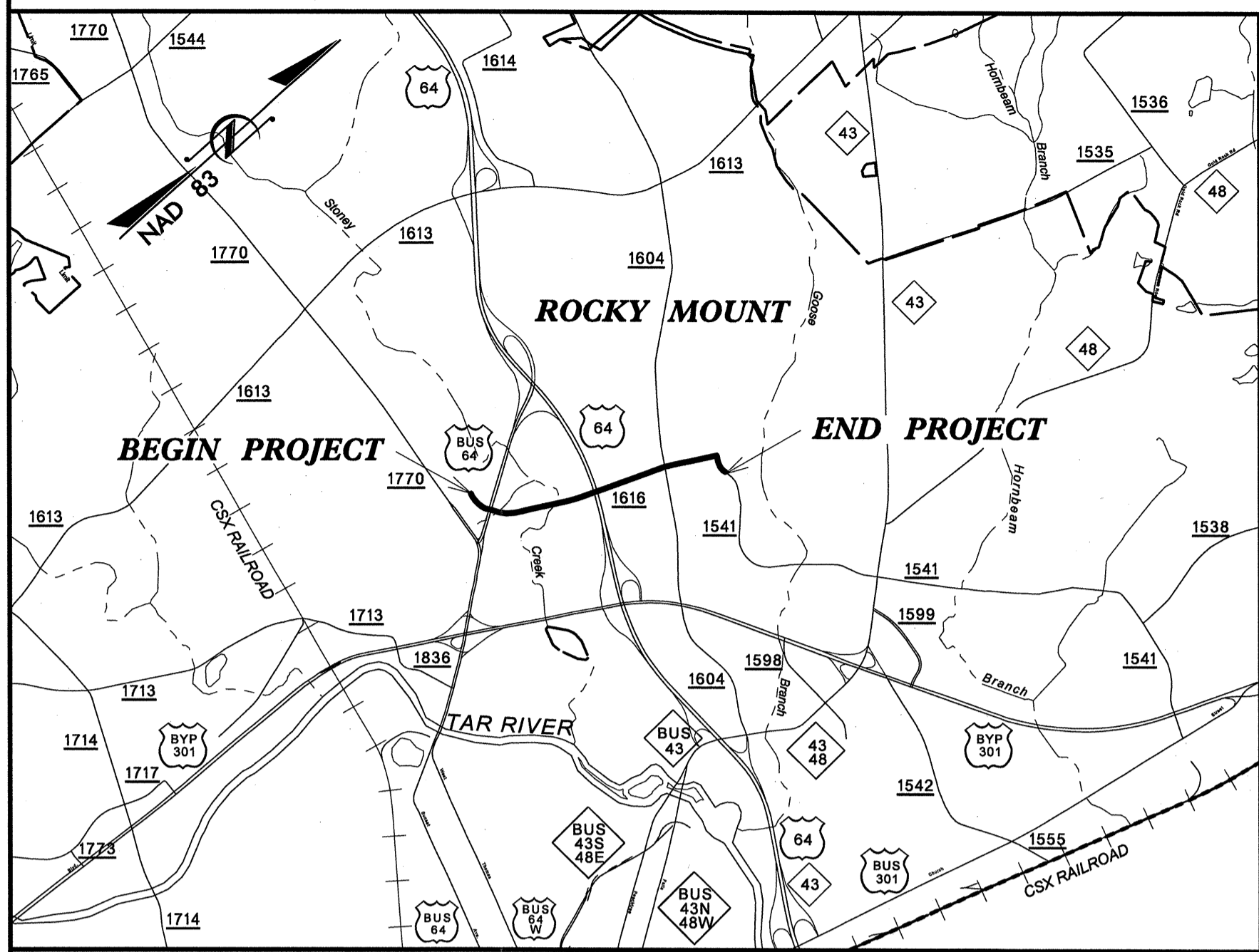


TIP PROJECT: U-3331



VICINITY MAP

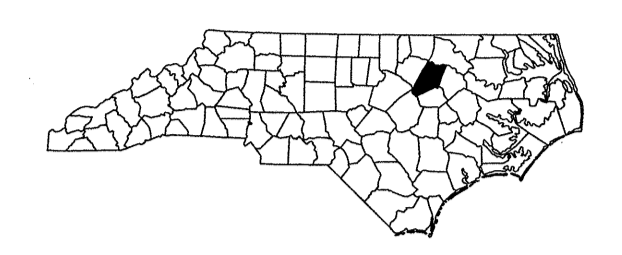
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NASH COUNTY

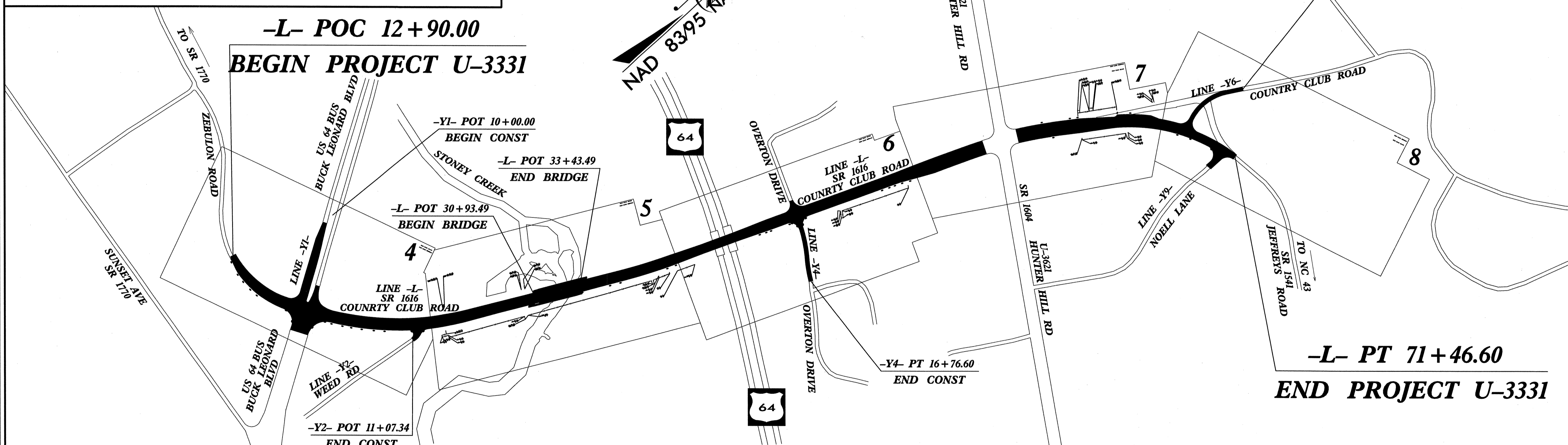
**LOCATION: SR-1616 (COUNTRY CLUB ROAD) US 64
BUSINESS (BUCK LEONARD BLVD.)
TO SR-1541 (JEFFREYS ROAD)**

TYPE OF WORK: UTILITY CONSTRUCTION.

T.I.P. NO.	SHEET NO.
U-3331	UC-1



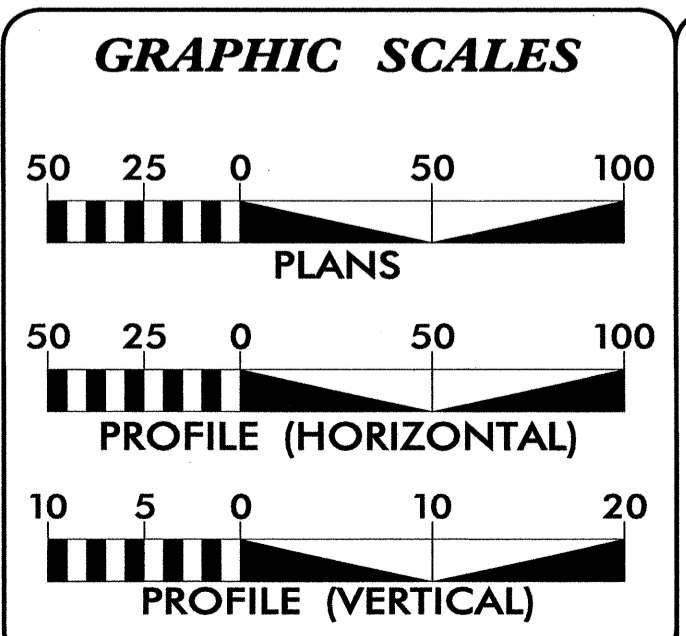
- L- COUNTRY CLUB RD.
- Y1- US 64 BUS. BUCK LEONARD BLVD.
- Y2- WEED RD.
- Y4- OVERTON DR.
- Y6- COUNTRY CLUB RD.
- Y9- NOELL LN.



**CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF ROCKY MOUNT**

FINAL DRAWINGS

CONTRACT:



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	LEGEND OF SYMBOLS SHEET
UC-3	OMITTED
UC-4 to UC-8	UTILITY CONSTRUCTION PLANS
UC-9 to UC-11	CONSTRUCTION DETAILS SHEETS

WATER AND SEWER OWNERS ON PROJECT

(1) WATER - CITY OF ROCKY MOUNT

(2) SANITARY SEWER - CITY OF ROCKY MOUNT

PREPARED BY:

AECOM

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F-0342

PREPARED FOR:

**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1555 MAIL SERVICE CENTER
RALEIGH, NC 27699-1555
PHONE (919) 701-6975
FAX (919) 256-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. Wilkins, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
AECOM Tech. Services UTILITIES PROJECT DESIGNER

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SDGN\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$

3/15/86

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. U-3331	SHEET NO. UC-2
---------------------------------	-------------------

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	○ IP
Property Corner	✕
Property Monument	□ ECM
Parcel/Sequence Number	⑫③
Existing Fence Line	×-×-×
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	--- WLB
Proposed Wetland Boundary	--- WLB
Existing Endangered Animal Boundary	--- EAB
Existing Endangered Plant Boundary	--- EPB

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	+
Building	□
School	□
Church	□
Dam	—

HYDROLOGY:

Stream or Body of Water	_____
Hydro, Pool or Reservoir	□
Jurisdictional Stream	--- JS
Buffer Zone 1	--- BZ 1
Buffer Zone 2	--- BZ 2
Flow Arrow	←
Disappearing Stream	→
Spring	○
Swamp Marsh	~
Proposed Lateral, Tail, Head Ditch	→
False Sump	◇

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	○ MILEPOST 35
Switch	□ SWITCH
RR Abandoned	---
RR Dismantled	---

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Proposed Right of Way Line with Iron Pin and Cap Marker	_____
Proposed Right of Way Line with Concrete or Granite Marker	_____
Existing Control of Access	○
Proposed Control of Access	○
Existing Easement Line	—
Proposed Temporary Construction Easement	—
Proposed Temporary Drainage Easement	—
Proposed Permanent Drainage Easement	—
Proposed Permanent Utility Easement	—
Proposed Permanent Aerial Utility Easement	—

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	---
Existing Curb	---
Proposed Slope Stakes Cut	--- C
Proposed Slope Stakes Fill	--- F
Proposed Wheel Chair Ramp	○
Proposed Wheel Chair Ramp Curb Cut	○
Curb Cut for Future Wheel Chair Ramp	○
Existing Metal Guardrail	—
Proposed Guardrail	—
Existing Cable Guiderail	—
Proposed Cable Guiderail	—
Equality Symbol	⊕
Pavement Removal	⊗

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	~
Woods Line	~
Orchard	○
Vineyard	□ Vineyard

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	_____
Bridge Wing Wall, Head Wall and End Wall	_____
MINOR:	
Head and End Wall	_____
Pipe Culvert	_____
Footbridge	_____
Drainage Box: Catch Basin, DI or JB	□
Paved Ditch Gutter	---
Storm Sewer Manhole	○
Storm Sewer	---

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	⊕
H-Frame Pole	●
Recorded U/G Power Line	---
Designated U/G Power Line (S.U.E.*)	---

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	⊕
Recorded U/G Telephone Cable	---
Designated U/G Telephone Cable (S.U.E.*)	---
Recorded U/G Telephone Conduit	---
Designated U/G Telephone Conduit (S.U.E.*)	---
Recorded U/G Fiber Optics Cable	---
Designated U/G Fiber Optics Cable (S.U.E.*)	---

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded U/G Water Line	---
Designated U/G Water Line (S.U.E.*)	---
Above Ground Water Line	---

TV:

TV Satellite Dish	⊕
TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	⊕
Recorded U/G TV Cable	---
Designated U/G TV Cable (S.U.E.*)	---
Recorded U/G Fiber Optic Cable	---
Designated U/G Fiber Optic Cable (S.U.E.*)	---

GAS:

Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	---
Designated U/G Gas Line (S.U.E.*)	---
Above Ground Gas Line	---

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	---
Above Ground Sanitary Sewer	---
Recorded SS Forced Main Line	---
Designated SS Forced Main Line (S.U.E.*)	---

MISCELLANEOUS:

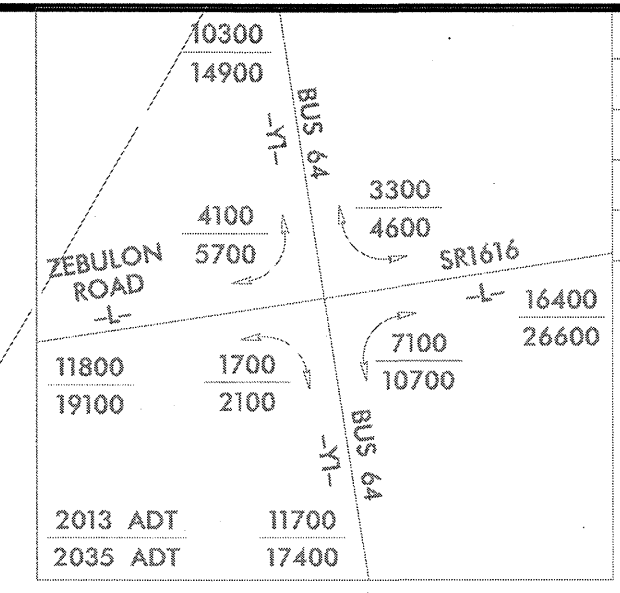
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	---
U/G Tank; Water, Gas, Oil	□
A/G Tank; Water, Gas, Oil	□
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
Determined According to Utility Records	DATUR
End of Information	E.O.I.

LINE -L-
 PI Sta 11+05.48
 $\Delta = 21^{\circ} 57' 10.0''$ (LT)
 $D = 10' 32' 07.1''$
 $L = 208.37'$
 $T = 105.48'$
 $R = 545.85'$

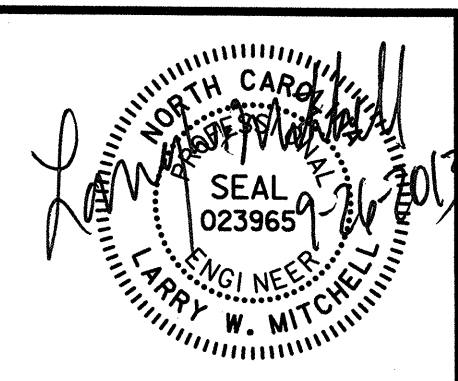
LINE -Y2-
 PI Sta 10+61.36
 $\Delta = 60' 11' 08.0''$ (RT)
 $D = 76' 23' 39.7''$
 $L = 78.78'$
 $T = 43.46'$
 $R = 75.00'$

LINE -L-
 PI Sta 14+83.08
 $\Delta = 55' 36' 51.0''$ (LT)
 $D = 17' 00' 00.0''$
 $L = 505.58'$
 $T = 274.71'$
 $R = 520.87'$
 $SE=0.02$

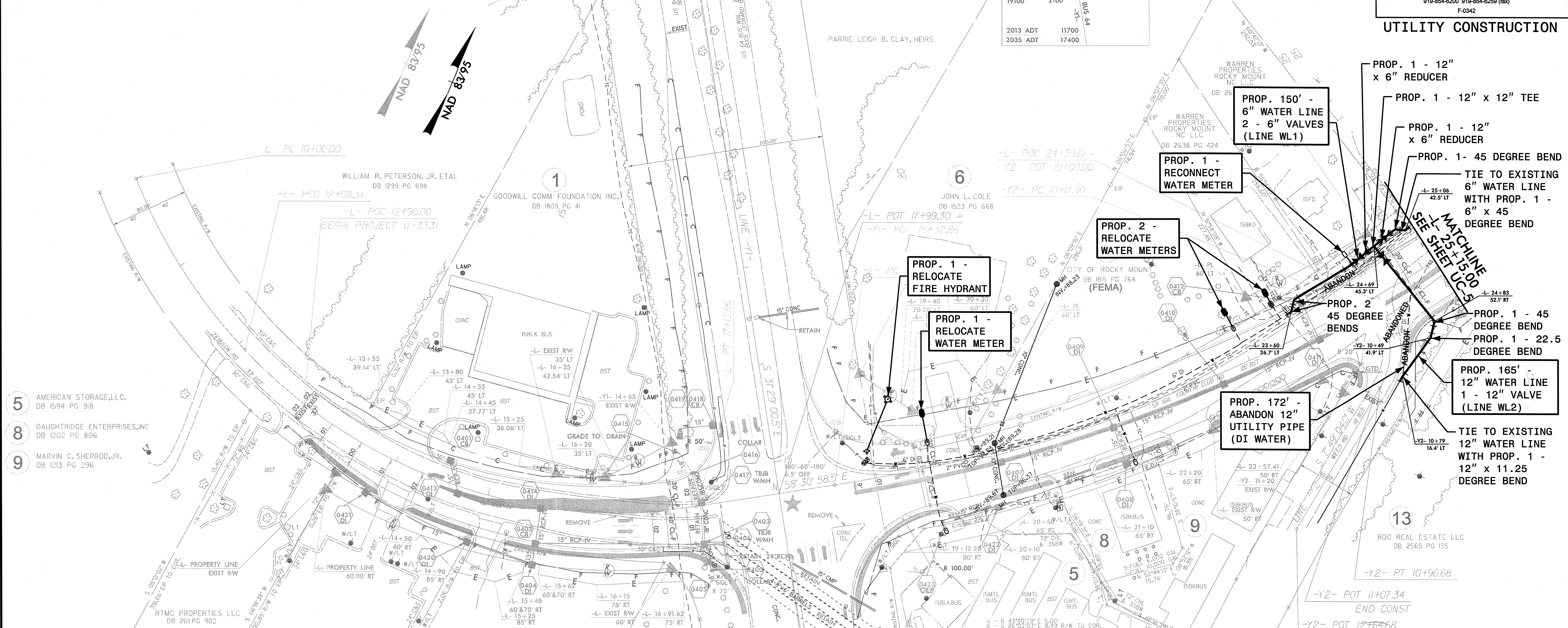
LINE -Y2-
 PI Sta 22+96.36
 $\Delta = 30' 44' 56.0''$ (LT)
 $D = 3' 34' 51.6''$
 $L = 858.67'$
 $T = 439.95'$
 $R = 1600.00'$
 $SE=0.03$
 $RUNOFF = 135'$



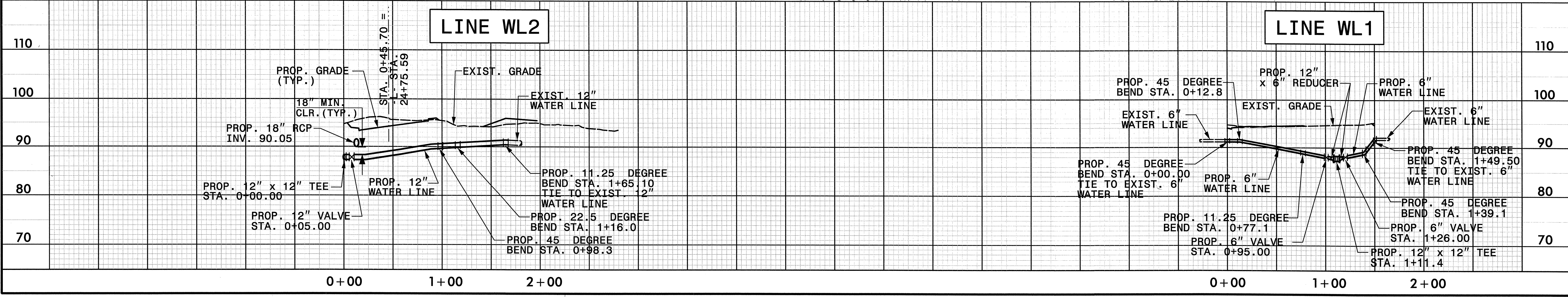
PROJECT REFERENCE NO. U-3331
 SHEET NO. UC-4
 Prepared by:
AECOM
 AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
 701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
 919-854-6200 919-854-6259 (fax)
 F-0342



PROJECT REFERENCE NO. U-3331
 SHEET NO. UC-4
 Prepared by:
AECOM
 AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
 701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
 919-854-6200 919-854-6259 (fax)
 F-0342
UTILITY CONSTRUCTION

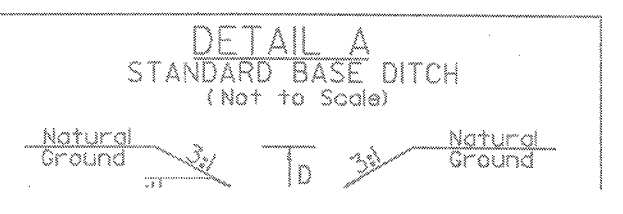
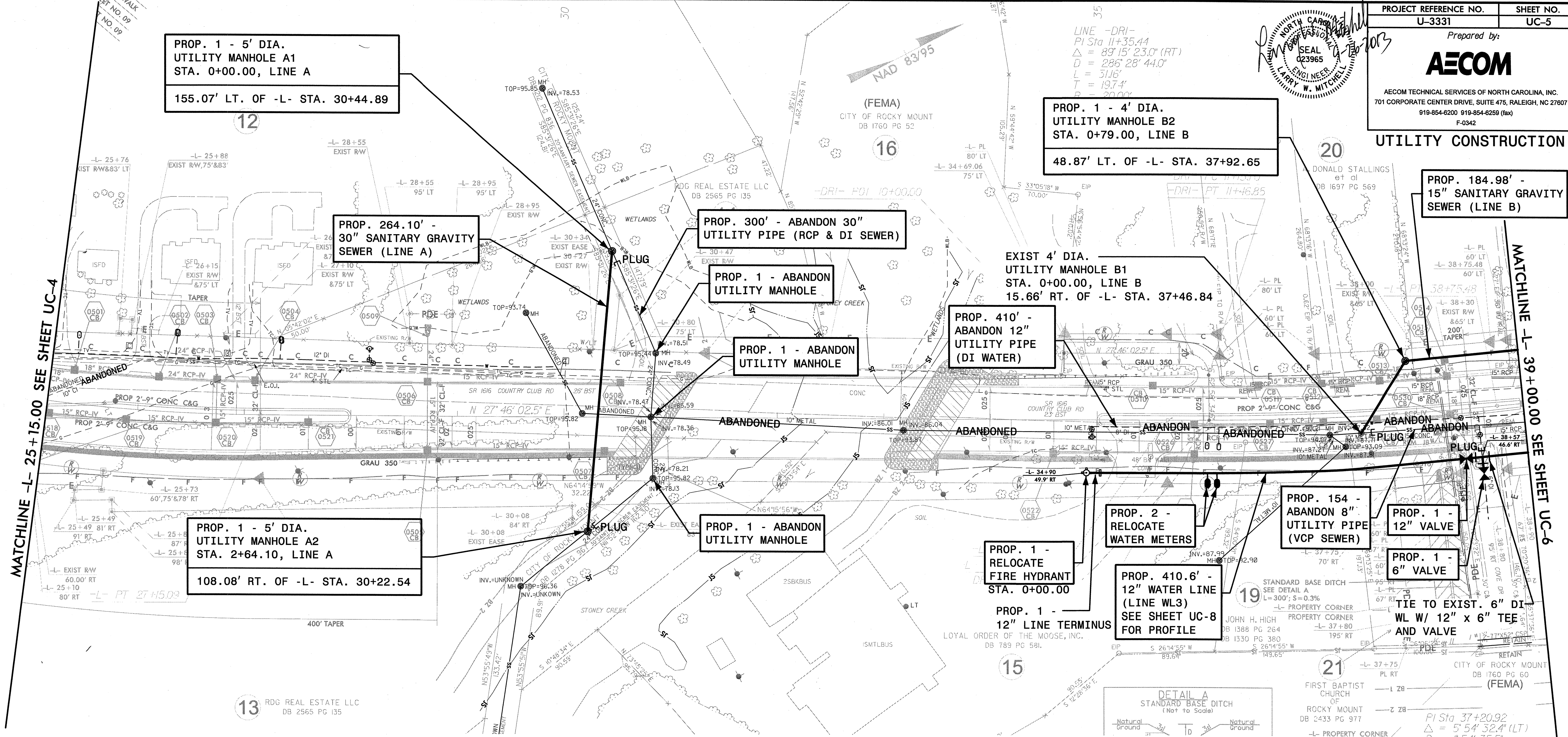
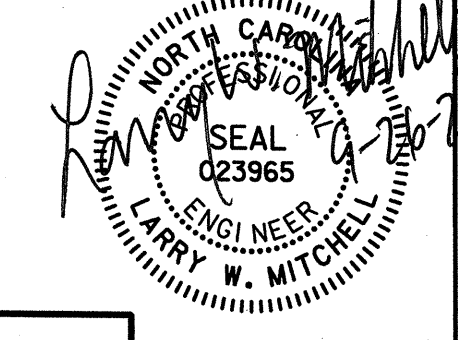


- 5 AMERICAN STORAGE, LLC. DB 1594 PG 918
- 8 DAUGHTRIDGE ENTERPRISES, INC DB 1202 PG 806
- 9 MARVIN C. SHERROD, JR. DB 1213 PG 296



DATE: 9/26/2013
 DWG: U-3331-UC-4.dwg

UTILITY CONSTRUCTION



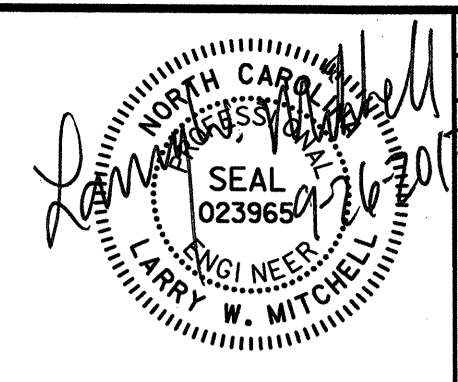
Station	Utility	Grade/Inv.	Notes
0+00	PROP. MANHOLE A1 5' DIA. UTILITY MANHOLE (SEALED) (VENT TO EL. 97.7) SEWER LINE A	97.7	
0+00	EXIST. GRADE		
0+00	PROP. 15" RCP INV. 90.73	90.73	
0+00	EXIST. 30" GRAVITY SANITARY SEWER @ -0.06%		
1+00	264.10 LF OF 30" SANITARY GRAVITY SEWER @ -0.06%		
2+00	PROP. 15" RCP INV. 90.80	90.80	
2+00	PROP. MANHOLE A2 5' DIA. UTILITY MANHOLE (SEALED) (VENT TO EL. 97.7) SEWER LINE A	97.7	
2+00	EXIST. 30" GRAVITY SANITARY SEWER @ -0.01%		
3+00	EXIST. GRADE		
0+00	EXIST. 12" WATER MAIN (TO BE ABANDONED)		
0+00	PROP. 15" RCP INV. 90.44	90.44	
0+00	EXIST. 15" GRAVITY SANITARY SEWER @ +1.00%		
0+00	79.00 LF OF 15" SANITARY GRAVITY SEWER @ +0.15%		
0+00	PROP. MANHOLE B1 4' DIA. UTILITY MANHOLE (SEALED) SEWER LINE B	97.7	
0+00	EXIST. GRADE		
0+00	PROP. 18" RCP INV. 89.66	89.66	
1+00	105.98 LF OF 15" SANITARY GRAVITY SEWER @ +0.15%		
1+00	PROP. MANHOLE B2 4' DIA. UTILITY MANHOLE (SEALED) SEWER LINE B	97.7	

LINE A

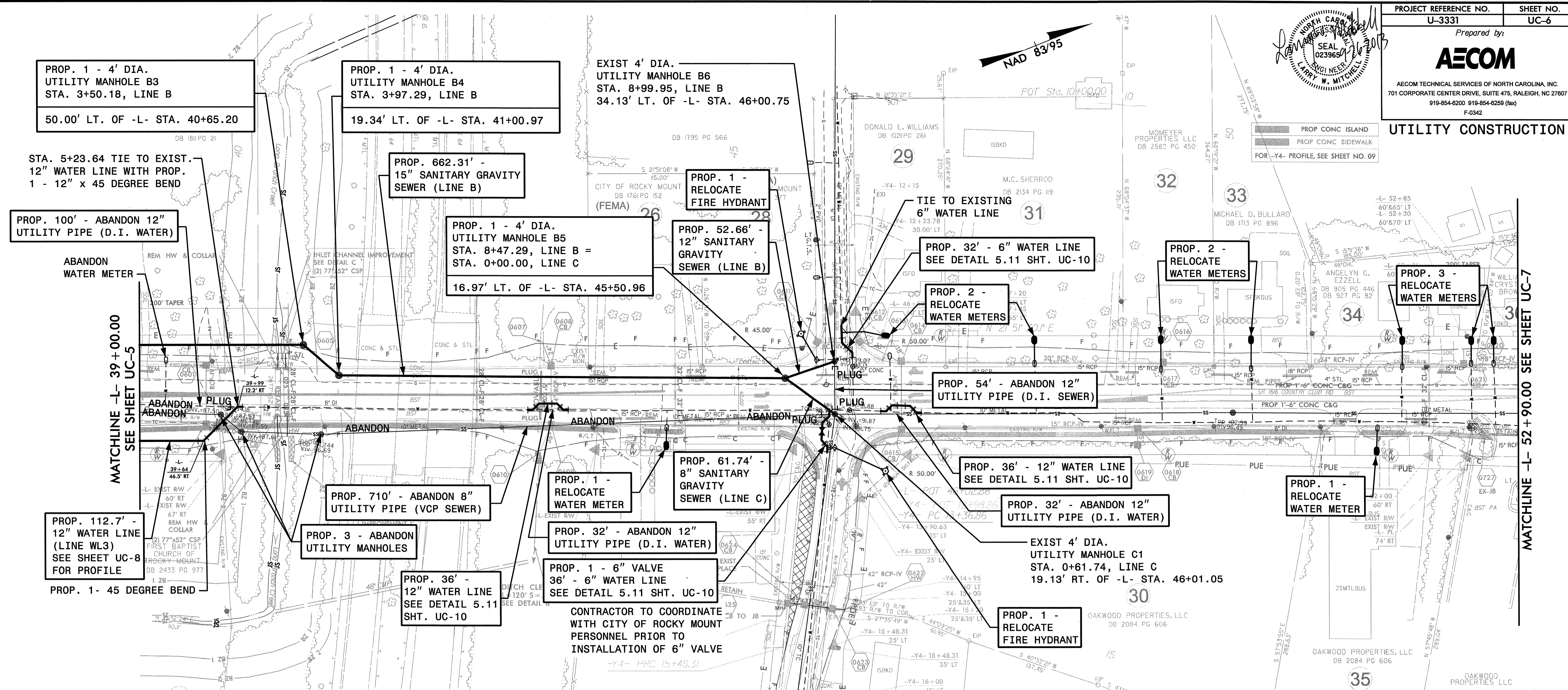
LINE B

DATE: 02/05/2015
DRAWN: J. J. JONES

UTILITY CONSTRUCTION



PROP CONC ISLAND
 PROP CONC SIDEWALK
 FOR -Y4- PROFILE, SEE SHEET NO. 09



MATCHLINE -L- 39+00.00 SEE SHEET UC-5

MATCHLINE -L- 52+90.00 SEE SHEET UC-7

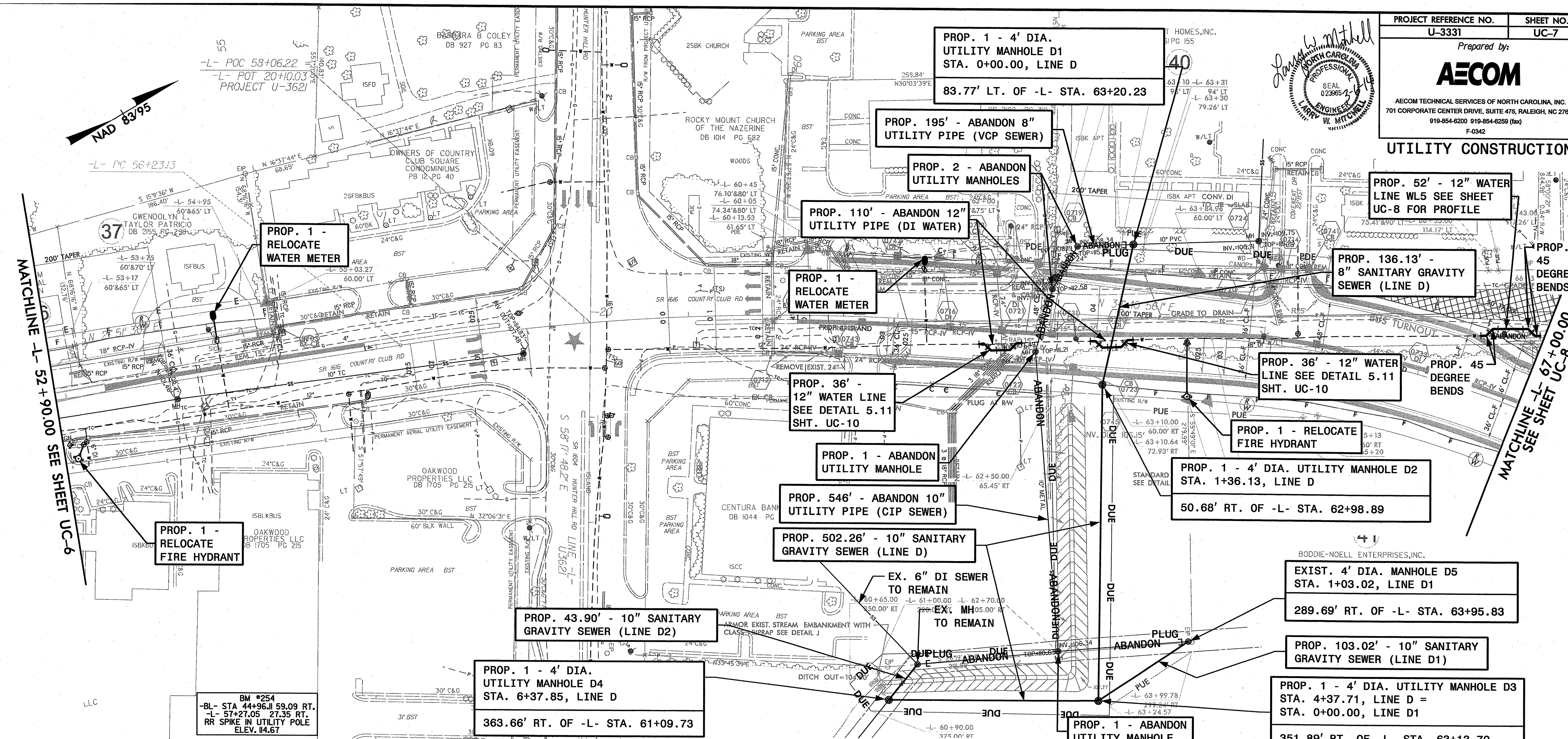
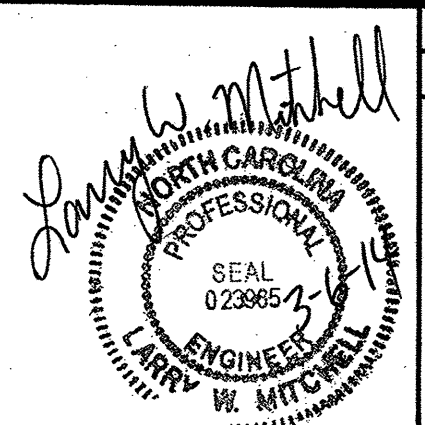
110	PROP. MANHOLE B3 STA. 3+50.18 4' DIA. UTILITY MANHOLE (SEALED) SEWER LINE B	US 64 EBL	US 64 WBL	PROP. MANHOLE B5 STA. 8+47.29 4' DIA. UTILITY MANHOLE SEWER LINE B	EXISTING MANHOLE B6 STA. 8+99.95 SEWER LINE B	PROP. MANHOLE B5 STA. 0+00.00 4' DIA. UTILITY MANHOLE SEWER LINE C	EXISTING MANHOLE C1 STA. 0+61.74 SEWER LINE C	110			
100	EXIST. GRADE (TYP.)			PROP. 24' RCP INV. 91.02	PROP. GRADE (TYP.)	STA. 0+28.94 -L- STA. 45+74.27	EXIST. 12' WATER LINE	100			
90								90			
80	165.20 LF OF 15" SANITARY GRAVITY SEWER @ +0.15%			450.00 LF OF 15" SANITARY GRAVITY SEWER @ +0.15%		\$2.66 LF OF 12" SANITARY GRAVITY SEWER @ +6.00%	61.74 LF OF 8" SANITARY GRAVITY SEWER @ +2.20%	80			
70				47.11 LF OF 15" SANITARY GRAVITY SEWER @ +0.15%				70			
60								60			
	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00	0+00	1+00

LINE B

LINE C

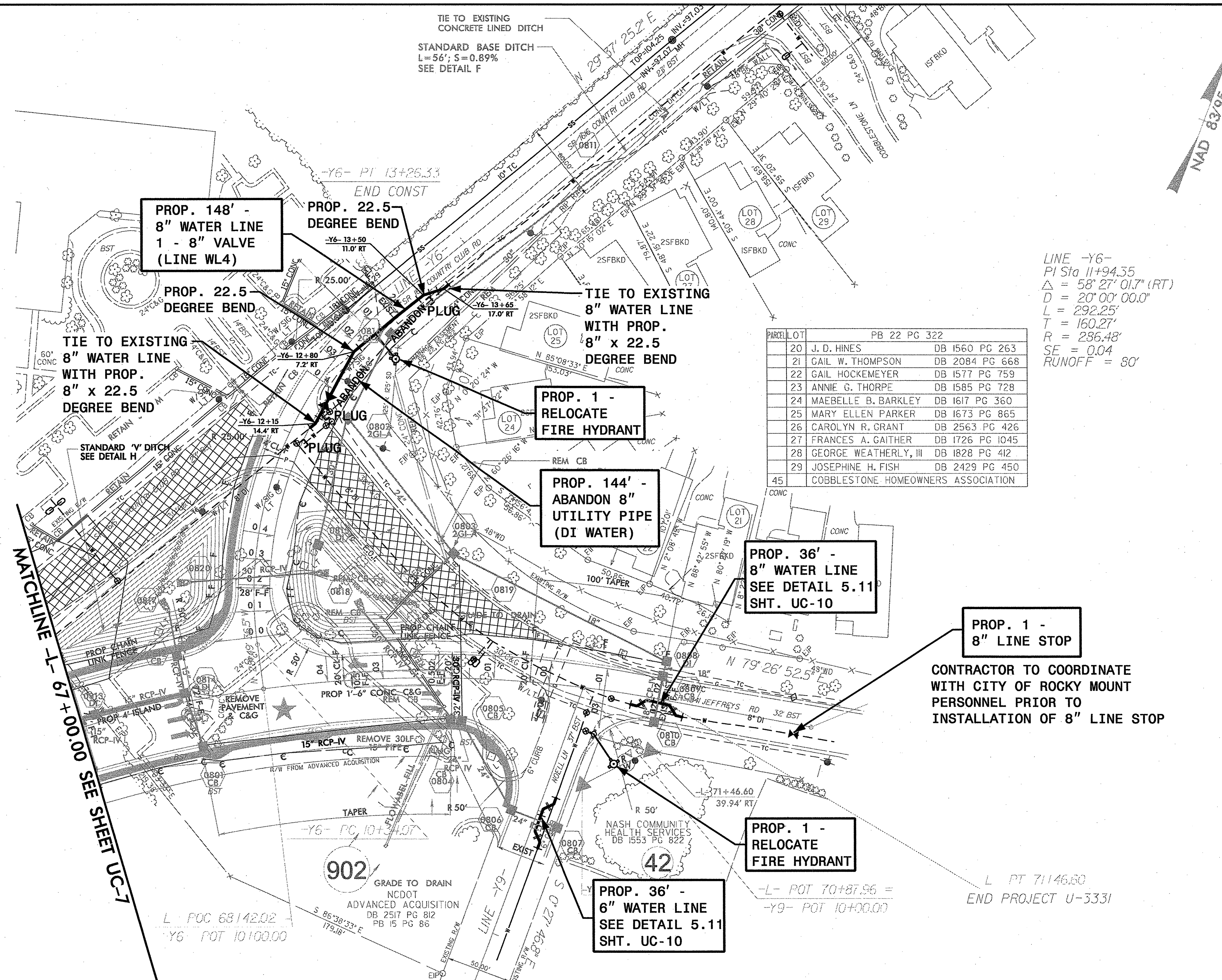
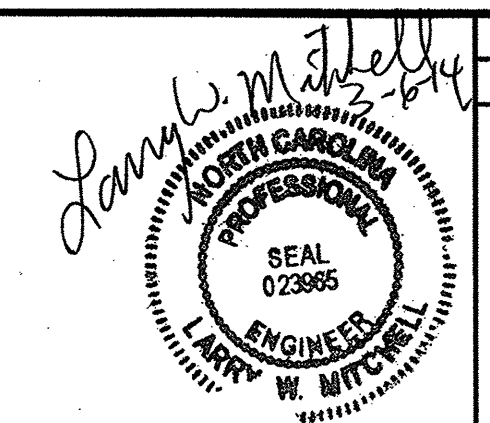
DATE: 9/26/2013 10:06:00 AM uc06.dwg

UTILITY CONSTRUCTION



	PROP. MANHOLE D1 STA. 0+00.00 4' DIA. UTILITY MANHOLE SEWER LINE D	PROP. MANHOLE D2 STA. 1+36.13 4' DIA. UTILITY MANHOLE SEWER LINE D	PROP. MANHOLE D3 STA. 4+37.71 4' DIA. UTILITY MANHOLE SEWER LINE D	PROP. MANHOLE D4 STA. 6+37.85 4' DIA. UTILITY MANHOLE SEWER LINE D	PROP. MH D3 STA. 0+00.00 4' DIA. UTIL. MANHOLE SEWER LINE D1	EX. MANHOLE D5 STA. 1+03.02 SEWER LINE D1	EX. MH	PROP. MANHOLE D4		
130										
120	PROP. 24" RCP INV. 109.61	EXIST. 12" WATER LINE (TO BE RELOCATED)								
110		USE TYPE 5 BEDDING STA. 1+33.84 to STA. 6+36.10								
100	EXIST. 8" GRAVITY SANITARY SEWER @ -0.79%	136.13 LF OF 8" D.I. SANITARY GRAVITY SEWER @ -0.40%	301.58 LF OF 10" D.I. SANITARY GRAVITY SEWER @ -0.28%	200.15 LF OF 10" D.I. SANITARY GRAVITY SEWER @ -0.28%	103.02 LF OF 10" D.I. SANITARY GRAVITY SEWER @ +0.40%			REMOVE 43.90 LF EX. 10" CI SEWER @ -0.20% REPLACE WITH 43.90 LF OF 10" R.J.D.I. PIPE CENTER 20 LF LENGTH OF PIPE ON DITCH		
90	PROP. TOP INV. 115.43 EXIST. INV. IN 108.76 PROP. INV. OUT 107.62	PROP. TOP INV. 110.31 PROP. INV. IN 107.28 PROP. INV. OUT 107.11	PROP. TOP INV. 109.15 PROP. INV. IN 106.27 PROP. INV. OUT 106.17	PROP. TOP INV. 109.80 PROP. INV. IN 105.51 EX. INV. OUT 105.51	PROP. TOP INV. 109.15 PROP. INV. IN 106.17 PROP. INV. OUT 106.35	EX. TOP 110.38 EX. INV. OUT 106.76	PROP. TOP INV. 109.80 EX. INV. 105.51	EXIST. 10" SEWER @ -0.2%		
80										
	0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00	0+00	1+00

DATE: 5/7/2004
 DRAWN: U-3331.dwg, LWS: dgp

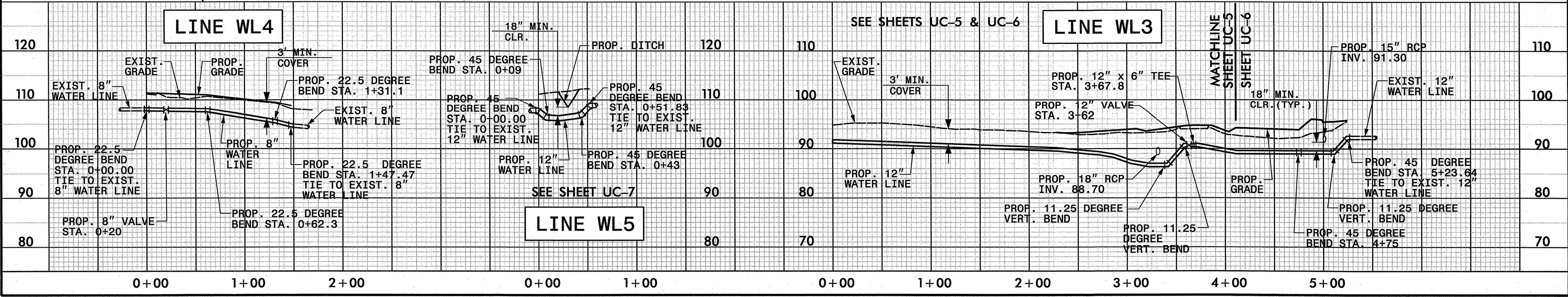


PARCEL LOT PB 22 PG 322

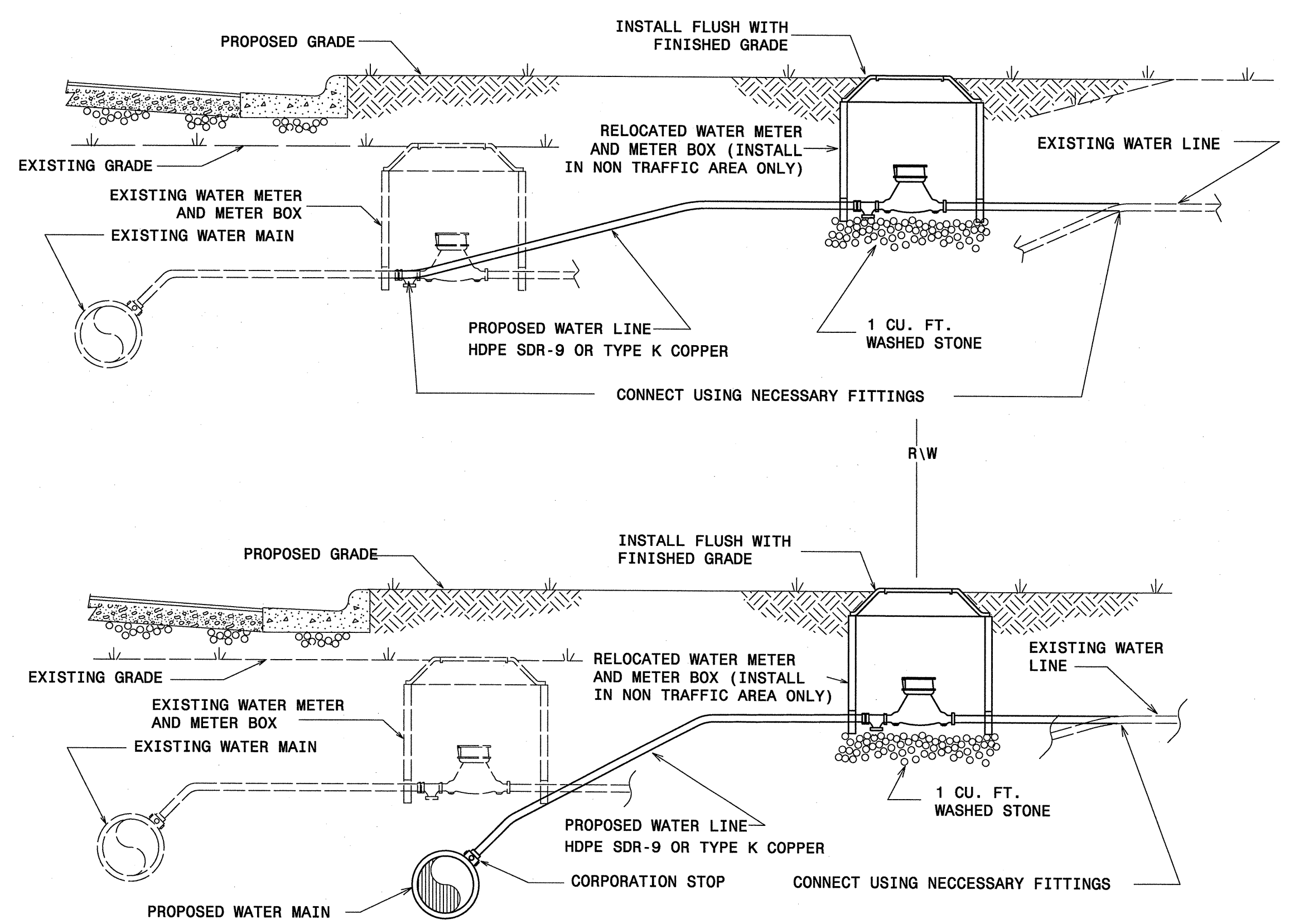
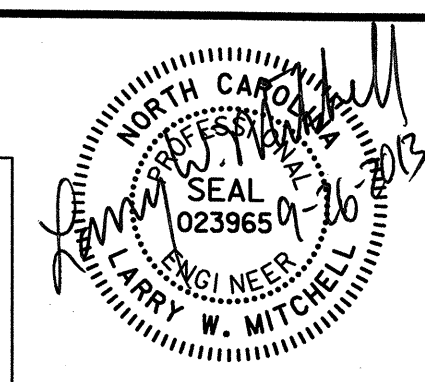
20	J. D. HINES	DB 1560 PG 263
21	GAIL W. THOMPSON	DB 2084 PG 668
22	GAIL HÖCKEMEYER	DB 1577 PG 759
23	ANNIE G. THORPE	DB 1585 PG 728
24	MAEBELLE B. BARKLEY	DB 1617 PG 360
25	MARY ELLEN PARKER	DB 1673 PG 865
26	CAROLYN R. GRANT	DB 2563 PG 426
27	FRANCES A. GAITHER	DB 1726 PG 1045
28	GEORGE WEATHERLY, III	DB 1828 PG 412
29	JOSEPHINE H. FISH	DB 2429 PG 450
45	COBBLESTONE HOMEOWNERS ASSOCIATION	

LINE -Y6-
 PI Sta 11+94.35
 $\Delta = 58^{\circ} 27' 01.7''$ (RT)
 $D = 20' 00'' 00.0''$
 $L = 292.25'$
 $T = 160.27'$
 $R = 286.48'$
 $SE = 0.04$
 $RUNOFF = 80'$

PROP. 1 -
 8" LINE STOP
 CONTRACTOR TO COORDINATE
 WITH CITY OF ROCKY MOUNT
 PERSONNEL PRIOR TO
 INSTALLATION OF 8" LINE STOP

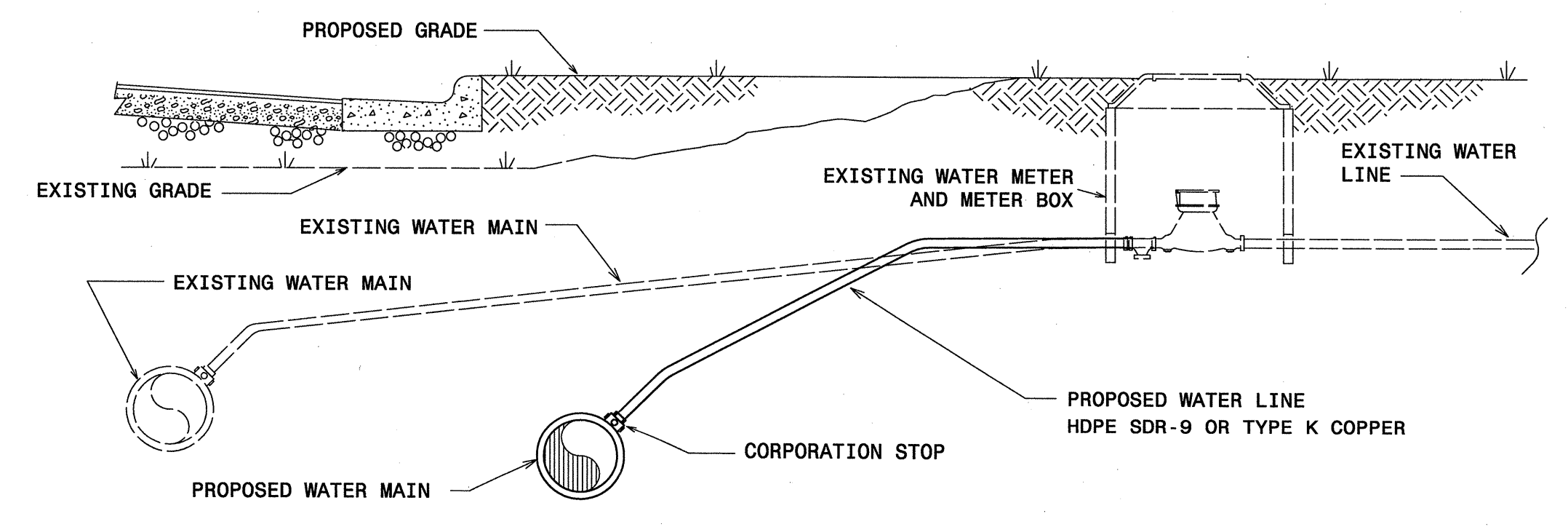


DATE: 3/6/2014
 DRAWN: 03/21/2014 uc08.dgn



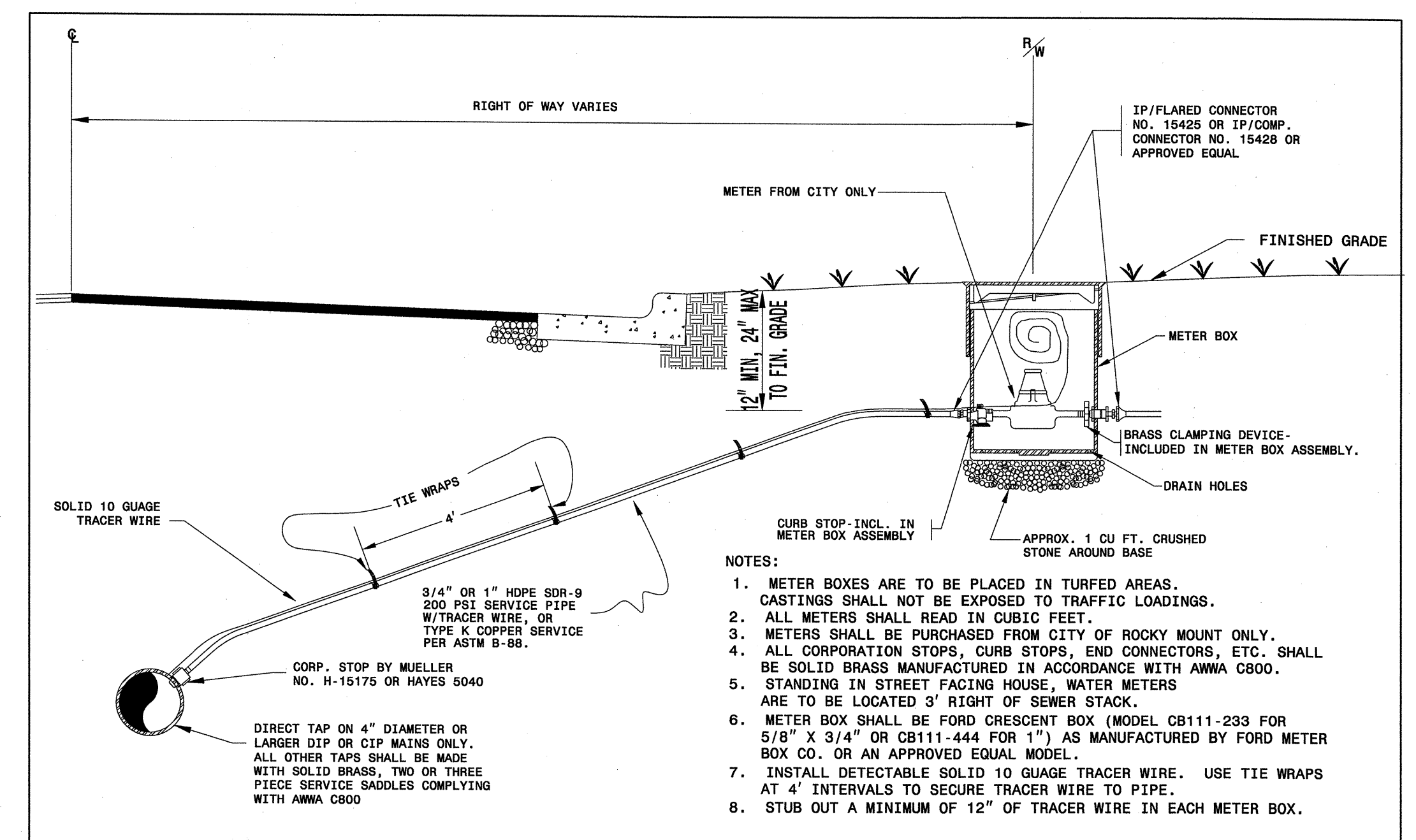
- NOTES:
1. RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, CURB STOP & CLAMPING DEVICE, METER VALVES, AND METER BOX WITH LID.
 2. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
 3. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 12", MAXIMUM OF 24" COVER BELOW FINISHED GRADE.
 4. THE OWNER RESERVES THE RIGHT TO ADD OR DELETE WATER SERVICE TAPS AND TO CHANGE LOCATIONS FROM THOSE SHOWN.

WATER METER RELOCATION DETAILS



- NOTES:
1. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
 2. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 12", MAXIMUM OF 24" COVER BELOW FINISHED GRADE.

RECONNECT EXISTING WATER METER DETAIL

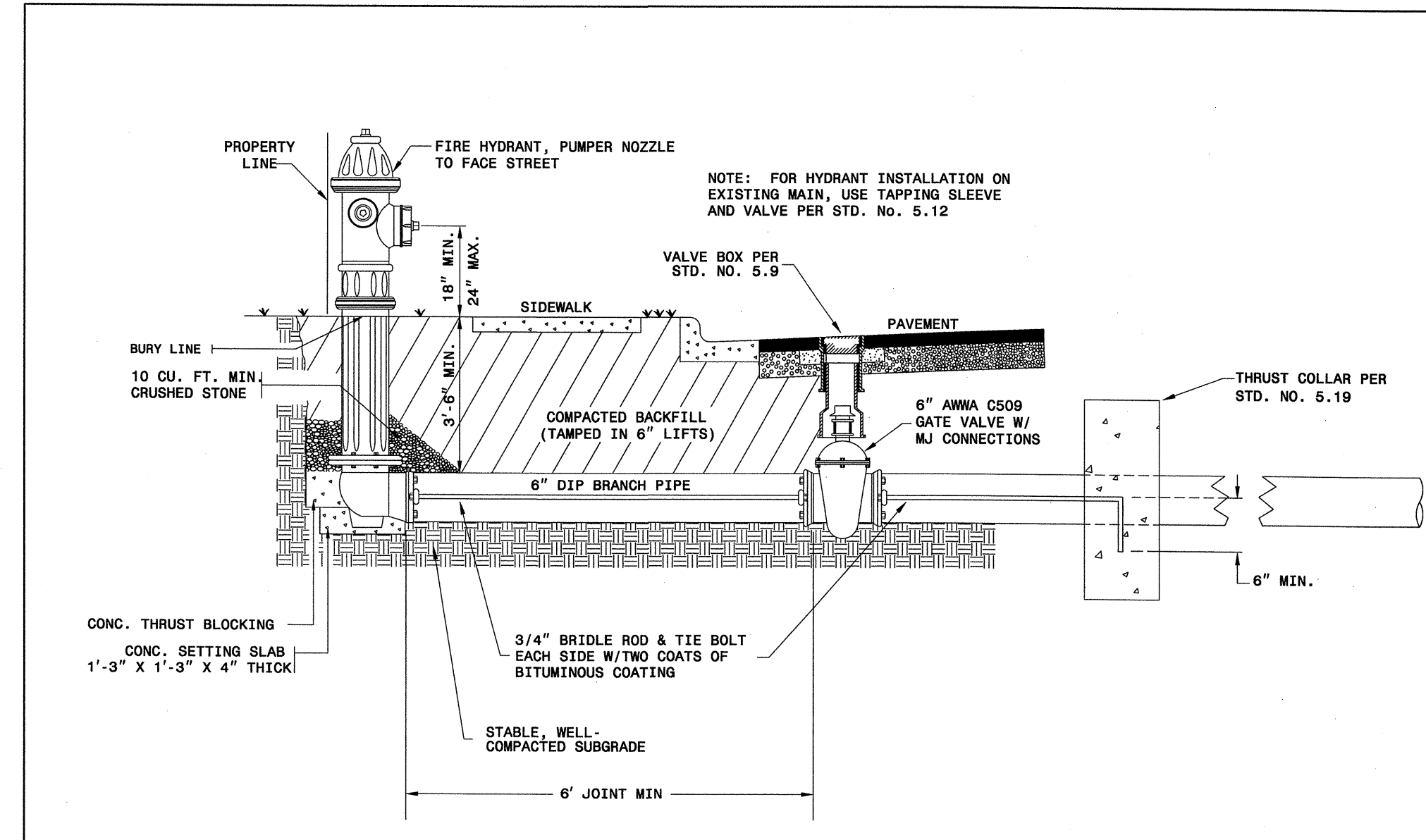


- NOTES:
1. METER BOXES ARE TO BE PLACED IN TURFED AREAS. CASTINGS SHALL NOT BE EXPOSED TO TRAFFIC LOADINGS.
 2. ALL METERS SHALL READ IN CUBIC FEET.
 3. METERS SHALL BE PURCHASED FROM CITY OF ROCKY MOUNT ONLY.
 4. ALL CORPORATION STOPS, CURB STOPS, END CONNECTORS, ETC. SHALL BE SOLID BRASS MANUFACTURED IN ACCORDANCE WITH ANWA C800.
 5. STANDING IN STREET FACING HOUSE, WATER METERS ARE TO BE LOCATED 3' RIGHT OF SEWER STACK.
 6. METER BOX SHALL BE FORD CRESCENT BOX (MODEL CB111-233 FOR 5/8" X 3/4" OR CB111-444 FOR 1") AS MANUFACTURED BY FORD METER BOX CO. OR AN APPROVED EQUAL MODEL.
 7. INSTALL DETECTABLE SOLID 10 GAUGE TRACER WIRE. USE TIE WRAPS AT 4' INTERVALS TO SECURE TRACER WIRE TO PIPE.
 8. STUB OUT A MINIMUM OF 12" OF TRACER WIRE IN EACH METER BOX.

5/8" x 3/4" & 1" WATER SERVICE

REVISIONS		APPROVED	STD. NO.
NO.	DATE	DATE	REVISION
			5.5

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING

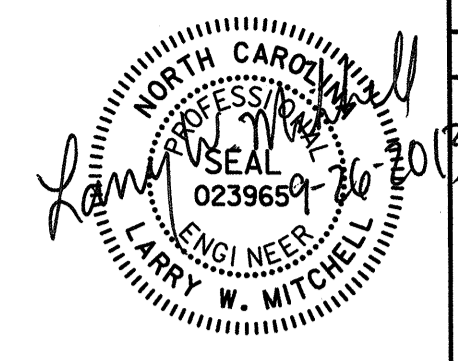


PERMANENT LINE TERMINUS

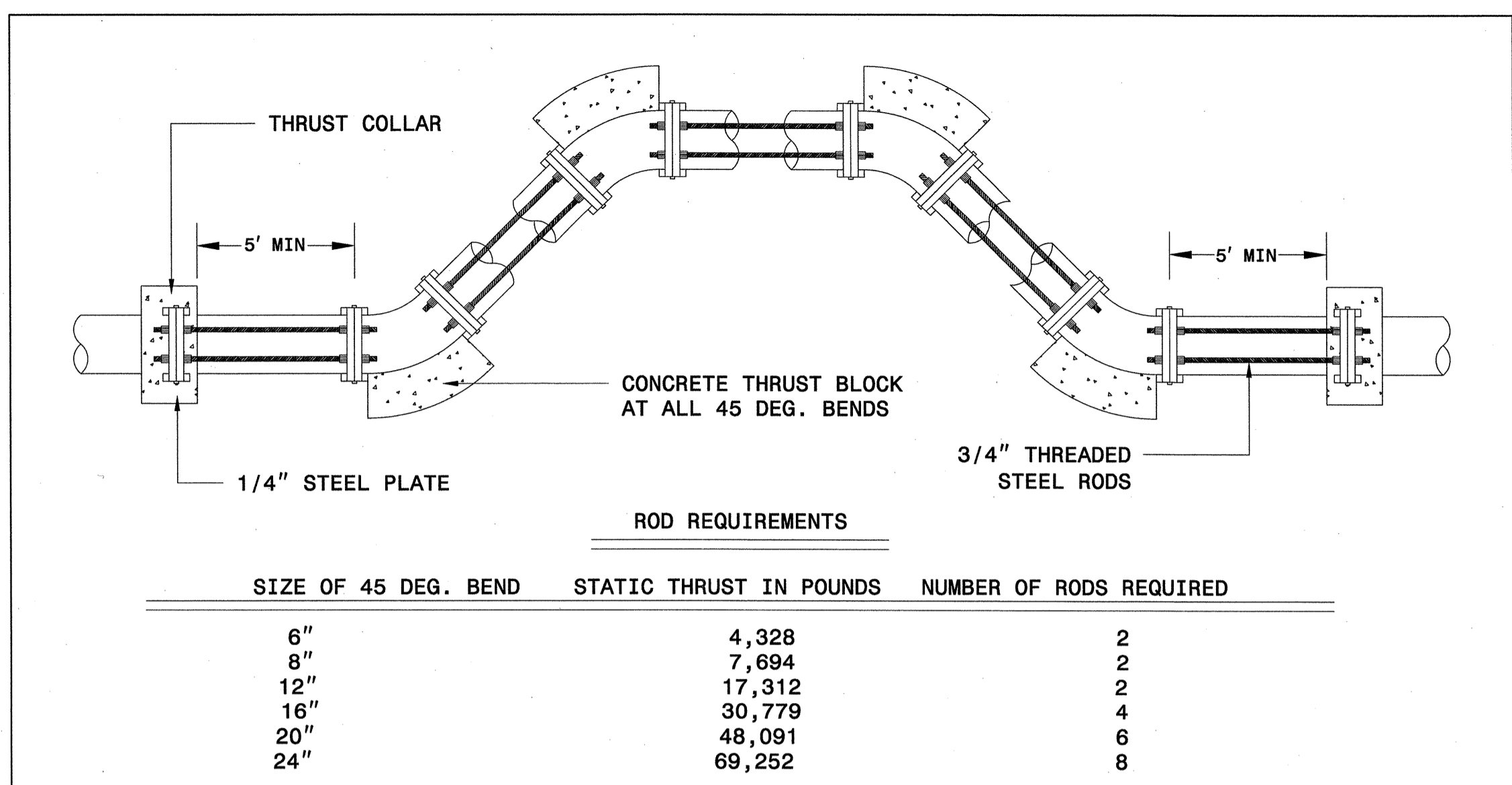
REVISIONS		APPROVED	STD. NO.
NO.	DATE	DATE	REVISION
			5.3a

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING

DATE: 9/26/2013
 DRAWN: uc3331.uc04.uc09.dgn



Prepared by:
AECOM
 AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
 701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
 919-854-6200 919-854-6259 (fax)
 F-0342
UTILITY CONSTRUCTION

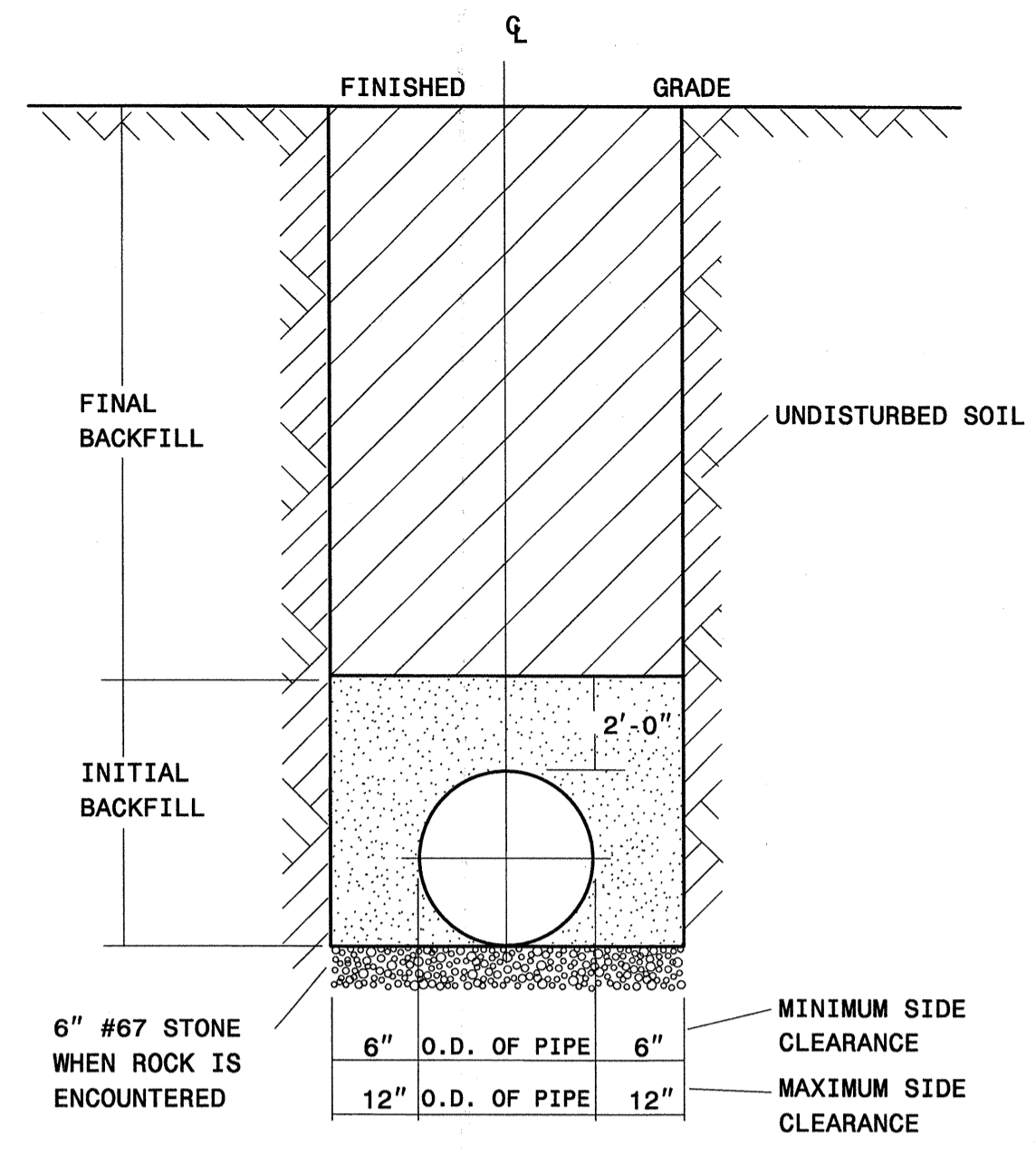


- ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL BE COATED WITH 2 COATS OF BITUMINOUS BASE PAINT.
- CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.

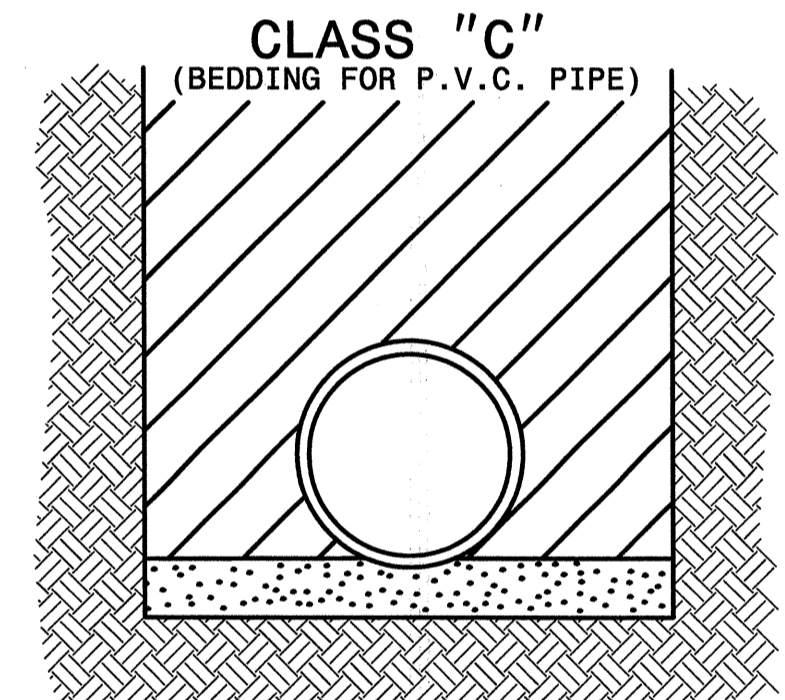
STANDARD VERTICAL BEND

REVISIONS		APPROVED	STD. NO.
NO.	DATE	DATE	5.11
			REVISION

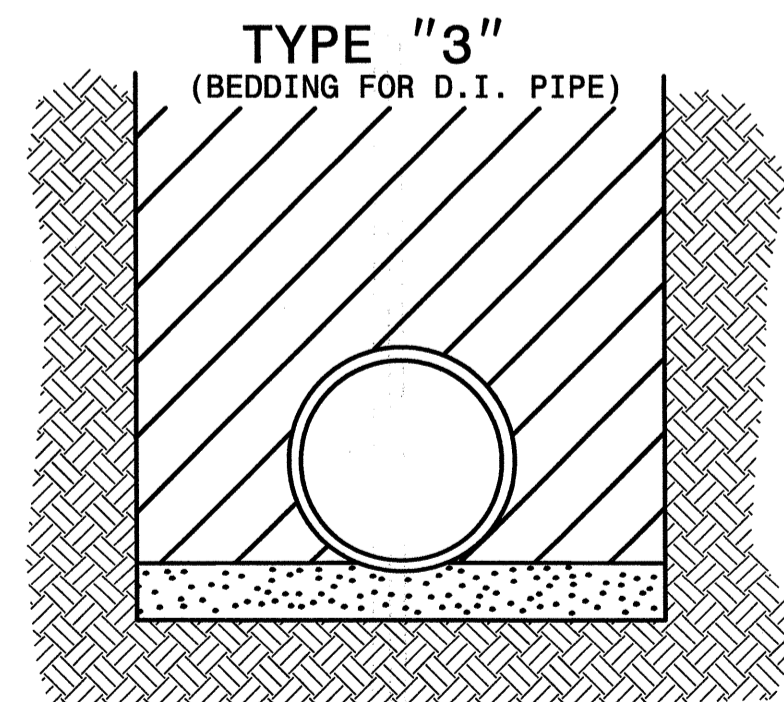
CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING



TRENCH & BACKFILL DETAIL

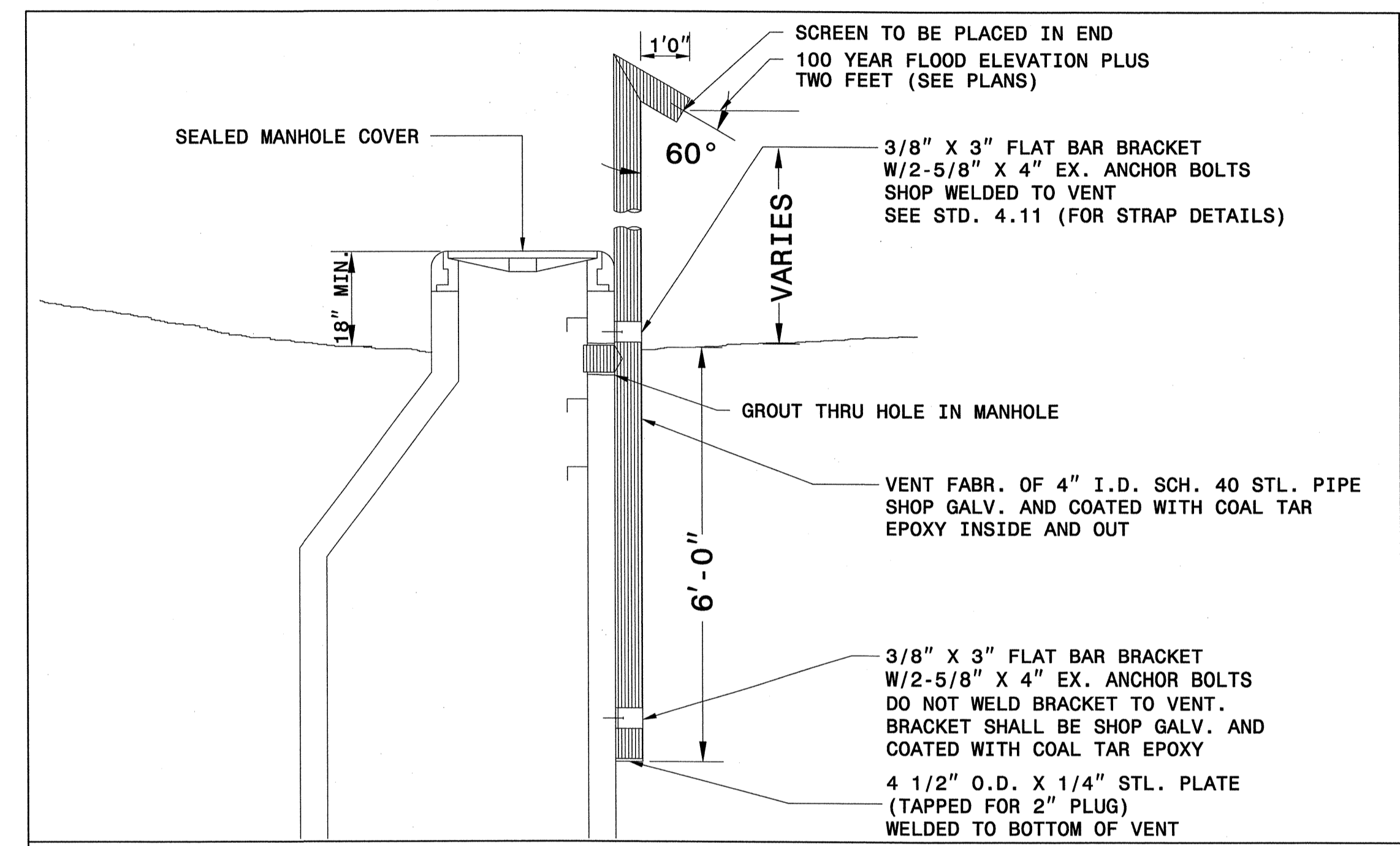


PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



PIPE BEDDED IN 4" MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 4" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

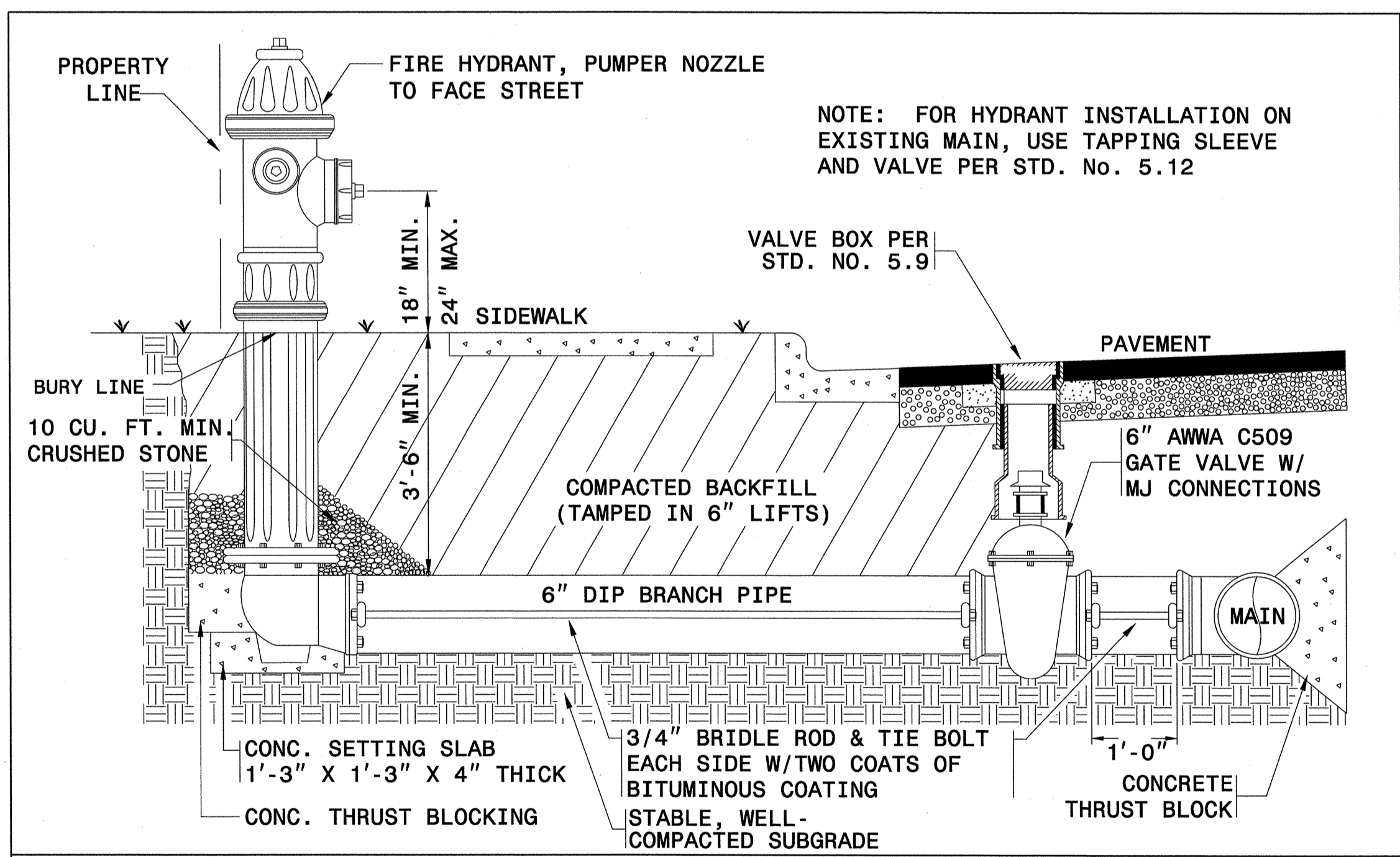
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)	NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



MANHOLE VENTING DETAIL

REVISIONS		APPROVED	STD. NO.
NO.	DATE	DATE	4.10
			REVISION

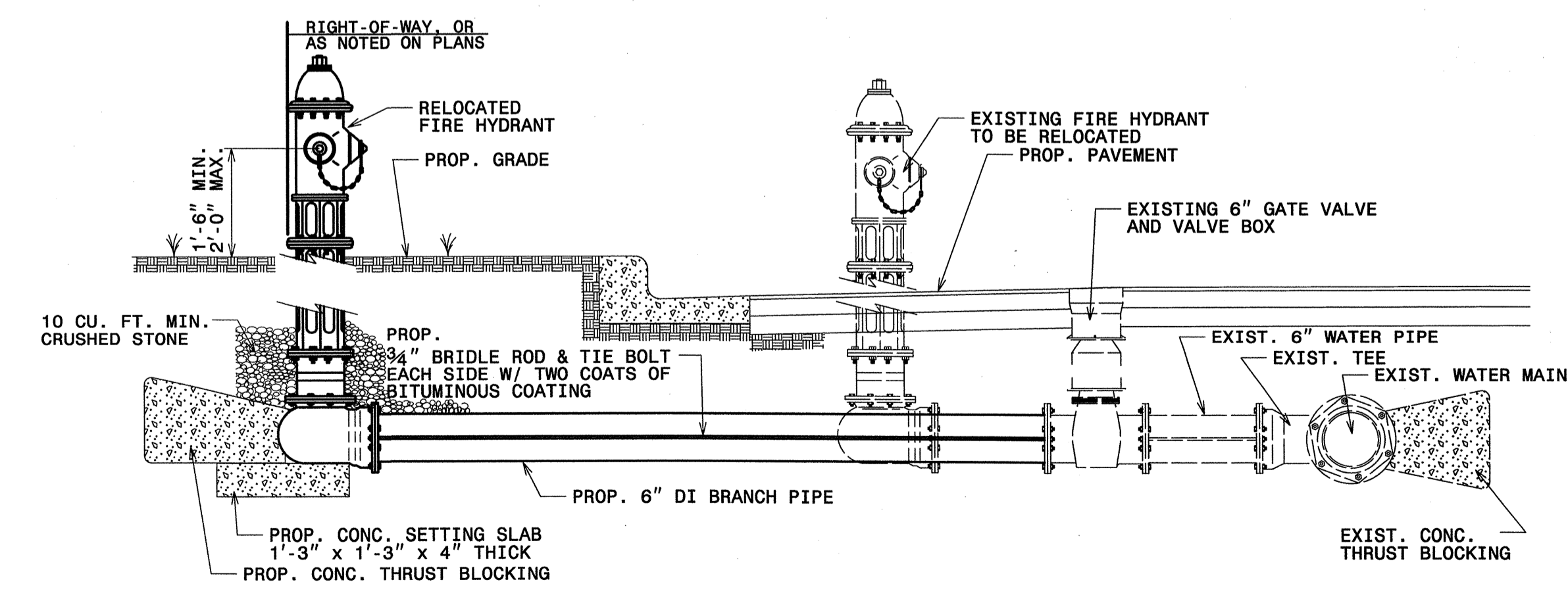
CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING



HYDRANT INSTALLATION

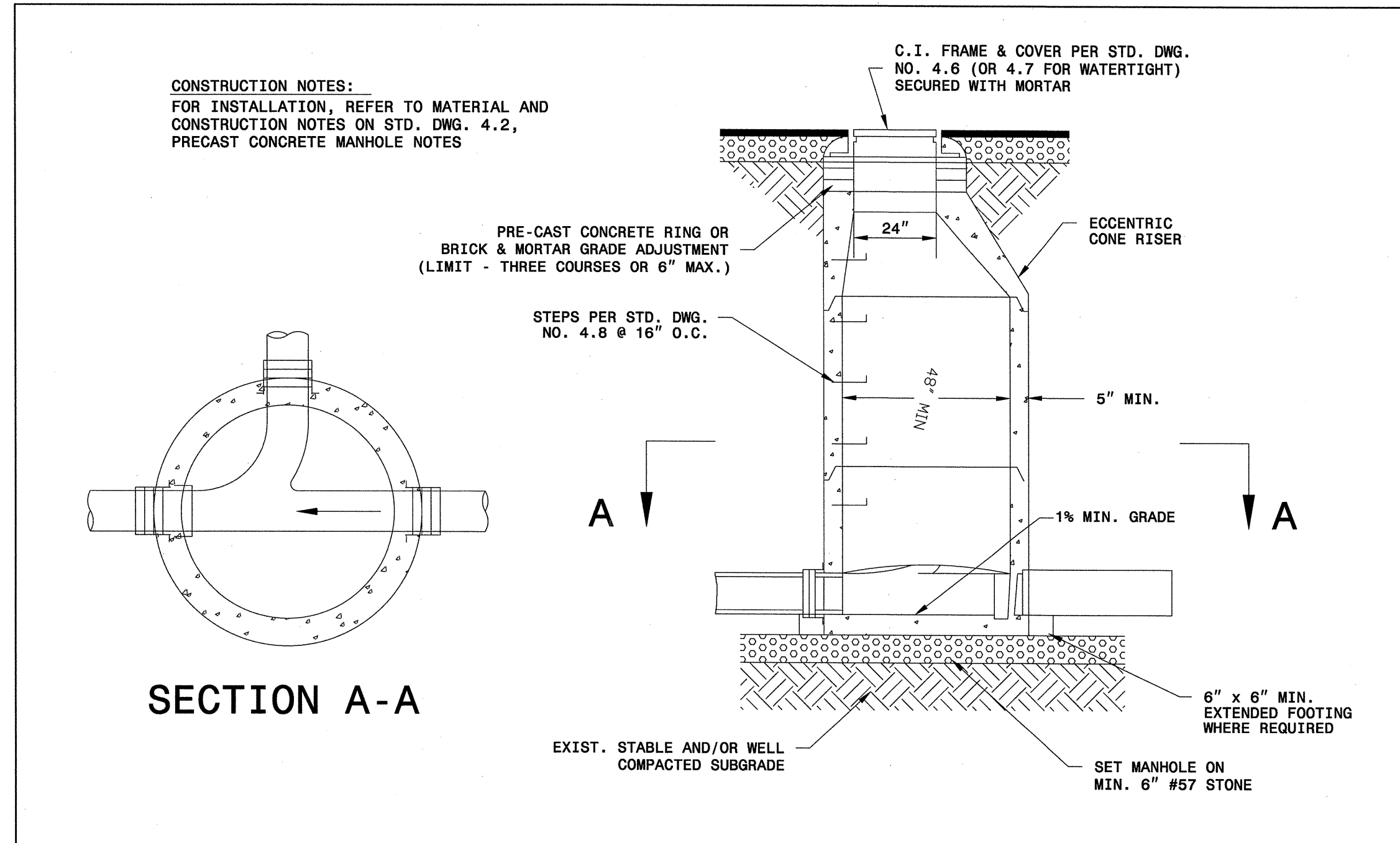
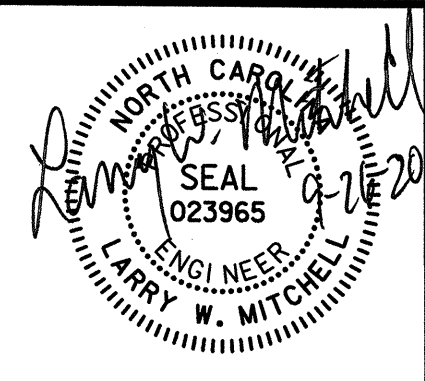
REVISIONS		APPROVED	STD. NO.
NO.	DATE	DATE	5.1
			REVISION

CITY OF ROCKY MOUNT
DEPT. OF ENGINEERING



FIRE HYDRANT RELOCATION DETAIL

NTS



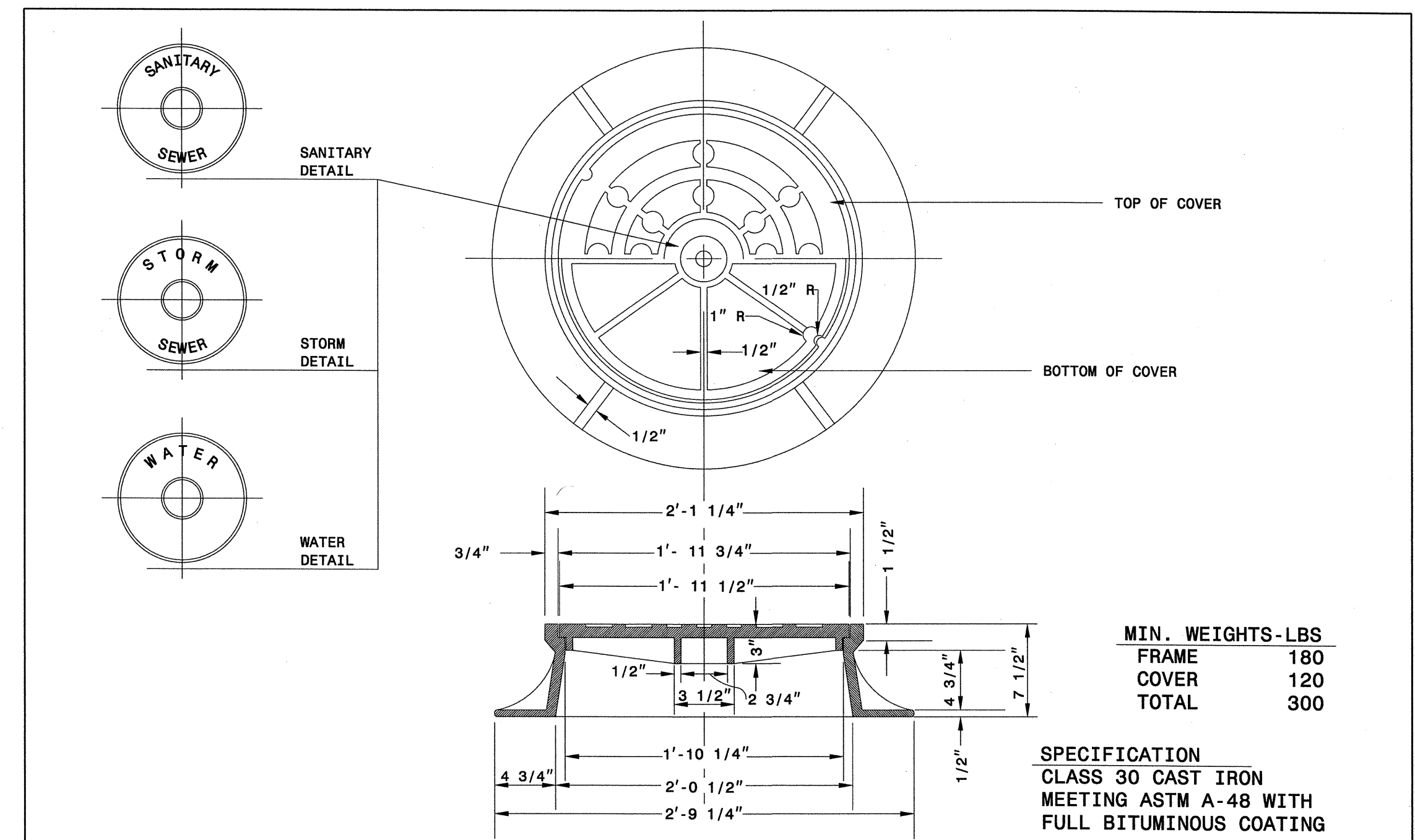
SECTION A-A

PRECAST CONCRETE MANHOLE

NO.	DATE	DESCRIPTION

CITY OF ROCKY MOUNT
 DEPT. OF ENGINEERING

APPROVED	STD. NO.
	4.1
DATE	REVISION

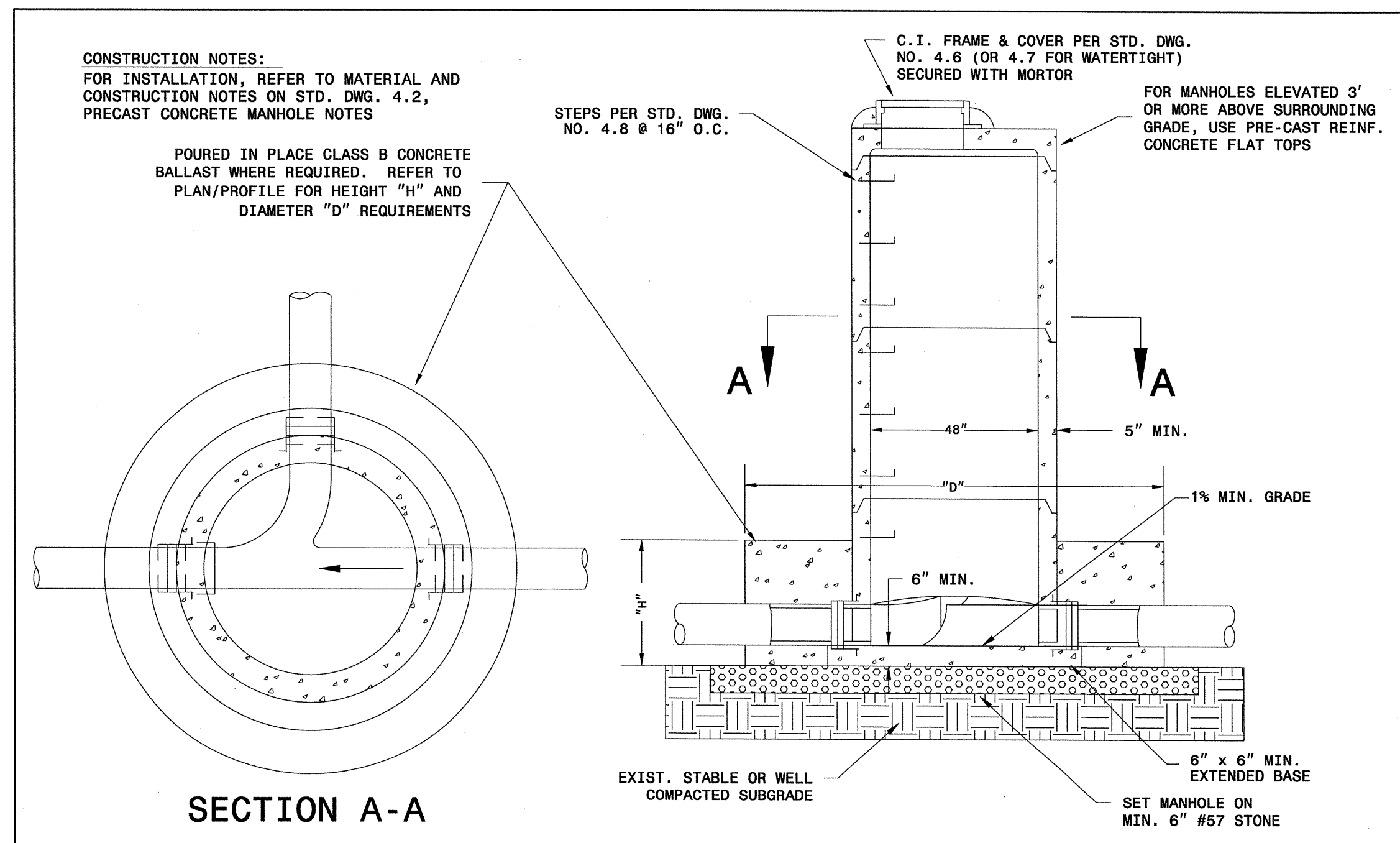


STANDARD MANHOLE RING & COVER

NO.	DATE	DESCRIPTION

CITY OF ROCKY MOUNT
 DEPT. OF ENGINEERING

APPROVED	STD. NO.
	4.6
DATE	REVISION



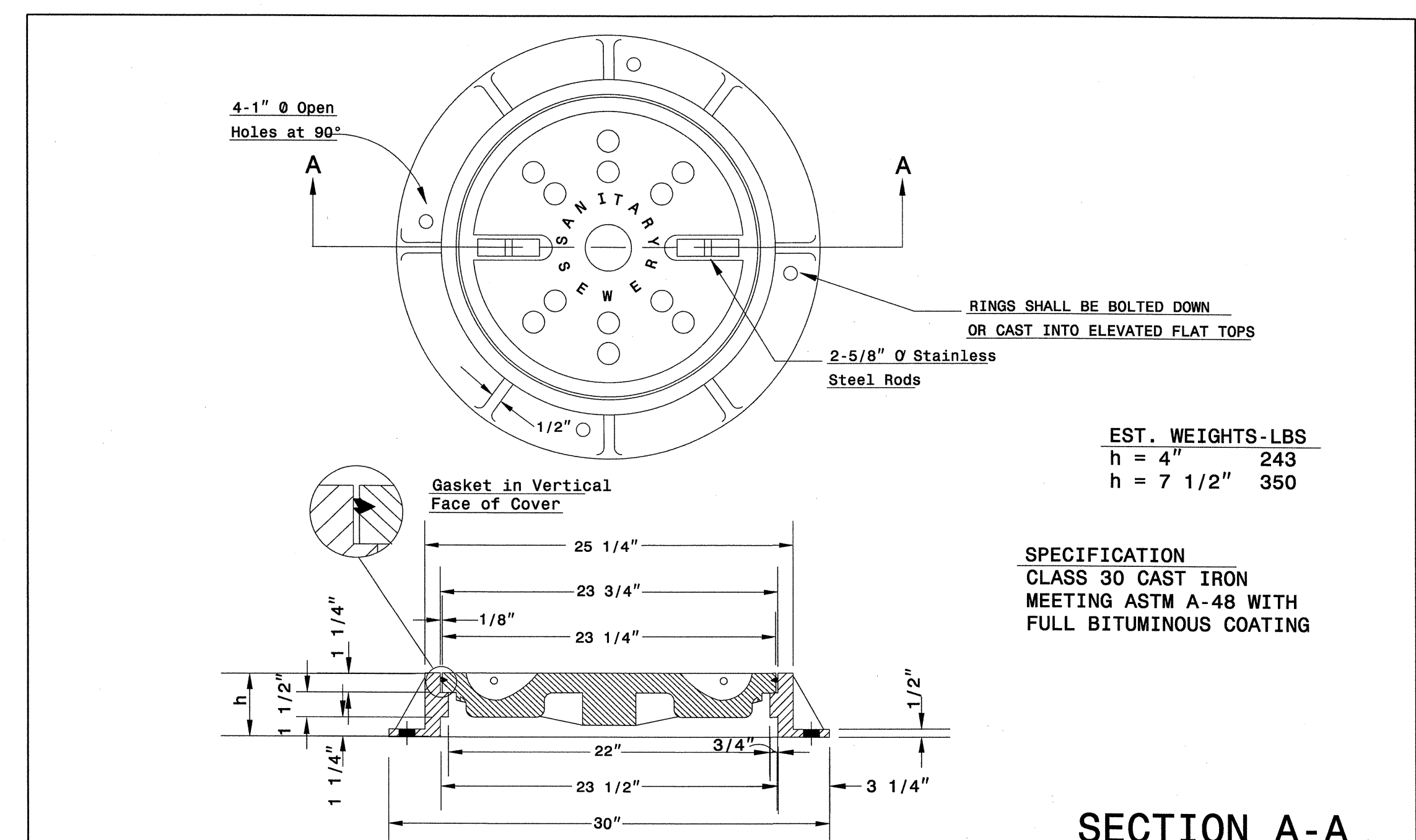
SECTION A-A

ELEVATED MANHOLE IN FLOOD PRONE AREA

NO.	DATE	DESCRIPTION

CITY OF ROCKY MOUNT
 DEPT. OF ENGINEERING

APPROVED	STD. NO.
	4.5
DATE	REVISION
04-10-99	



SECTION A-A

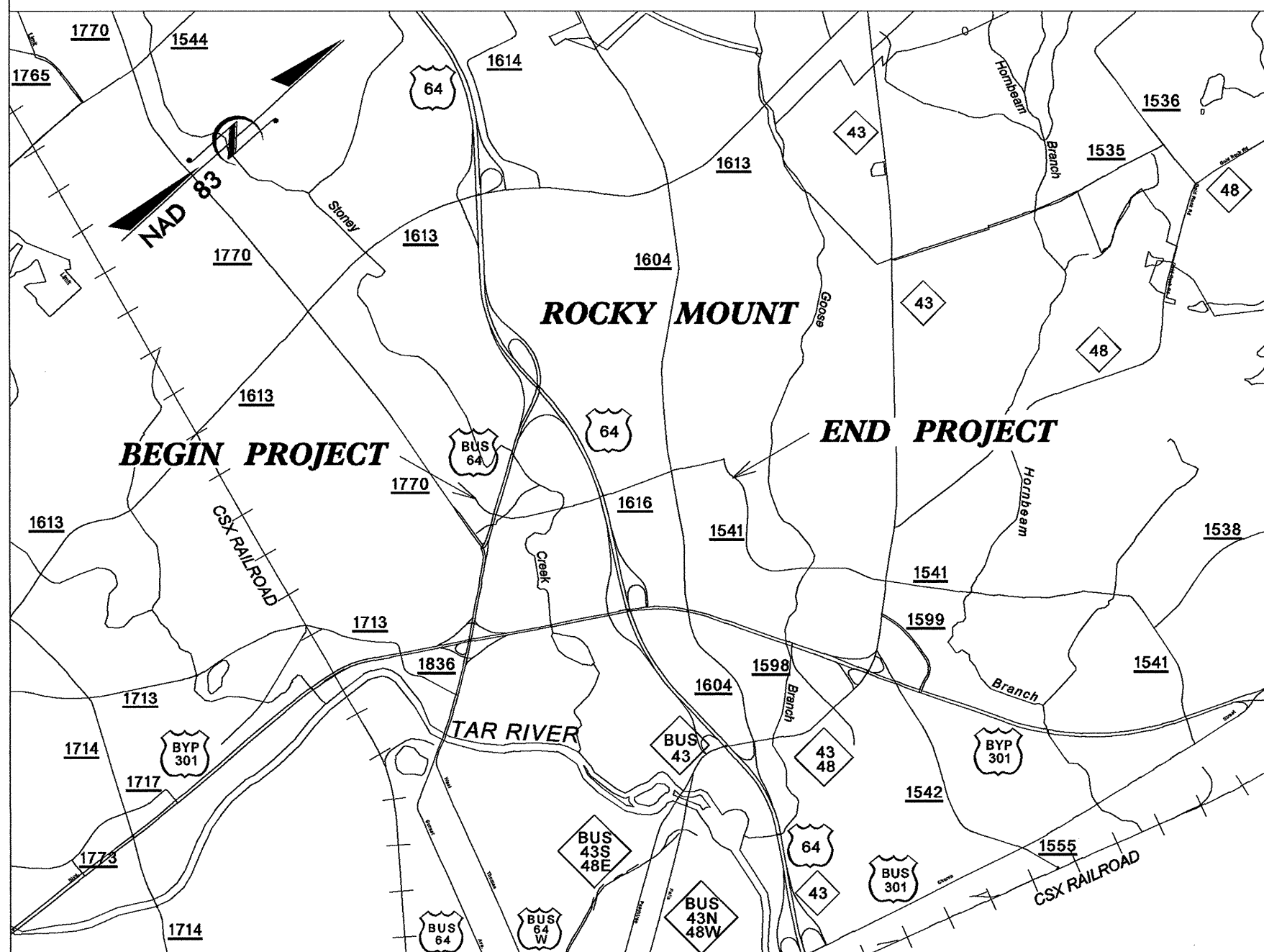
WATERTIGHT MANHOLE RING & COVER

NO.	DATE	DESCRIPTION

CITY OF ROCKY MOUNT
 DEPT. OF ENGINEERING

APPROVED	STD. NO.
	4.7
DATE	REVISION

TIP PROJECT: U-3331



VICINITY MAP

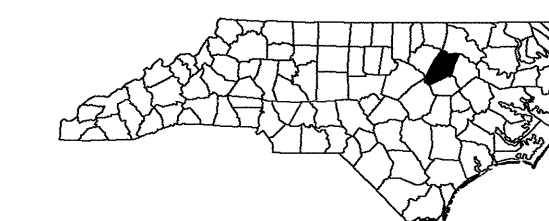
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NASH COUNTY

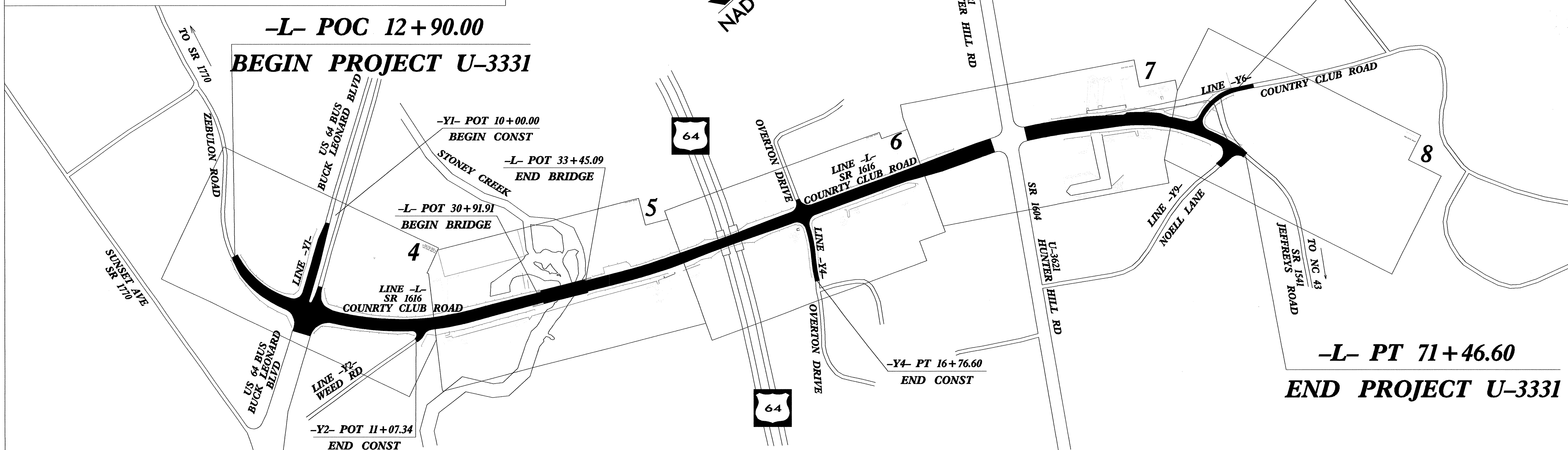
**LOCATION: SR-1616 (COUNTRY CLUB ROAD) US 64
BUSINESS (BUCK LEONARD BLVD.)
TO SR-1541 (JEFFREYS ROAD)**

TYPE OF WORK: UTILITIES BY OTHERS.

T.I.P. NO.	SHEET NO.
U-3331	UO-1

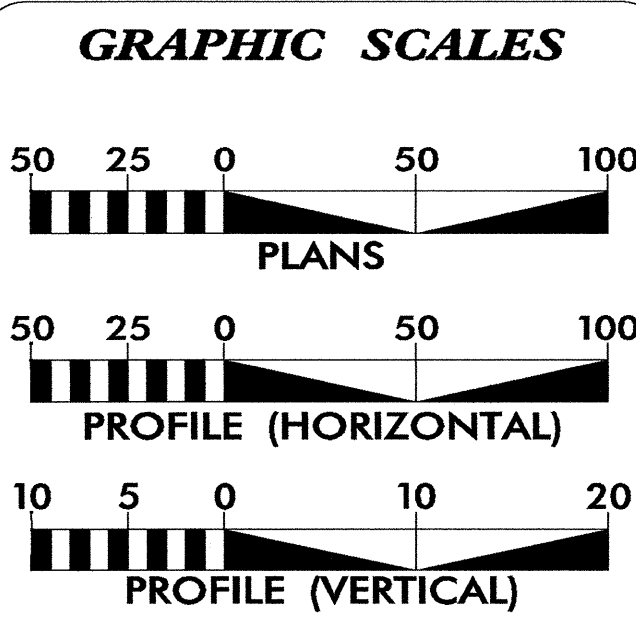


- L- COUNTRY CLUB RD.
- Y1- US 64 BUS. BUCK LEONARD BLVD.
- Y2- WEED RD.
- Y4- OVERTON DR.
- Y6- COUNTRY CLUB RD.
- Y9- NOELL LN.



**CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF ROCKY MOUNT**

CONTRACT:



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	LEGEND OF SYMBOLS SHEET
UO-3	OMITTED
UO-4 to UO-8	UTILITIES BY OTHERS PLANS

- UTILITY OWNERS ON PROJECT**
- POWER - CITY OF ROCKY MOUNT
 - GAS - CITY OF ROCKY MOUNT
 - TELECOMMUNICATIONS - AT&T, CENTURYLINK
 - CABLE TELEVISION - SUDDENLINK

PREPARED BY:

AECOM

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F-0342

PREPARED FOR:

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6975
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. Wilkins, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
AECOM Tech. Services UTILITIES BY OTHERS PROJECT DESIGNER

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$

3/15/06

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. U-3331	SHEET NO. UO-2
---------------------------------	-------------------

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	○
Property Corner	⊗
Property Monument	□
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	-o-o-o-
Proposed Chain Link Fence	-□-□-□-
Proposed Barbed Wire Fence	-◇-◇-◇-
Existing Wetland Boundary	-WLB-
Proposed Wetland Boundary	-WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	⊙
Well	⊙
Small Mine	⊗
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	⊕
Church	⊕
Dam	⊕

HYDROLOGY:

Stream or Body of Water	_____
Hydro, Pool or Reservoir	□
Jurisdictional Stream	-JS-
Buffer Zone 1	-BZ 1-
Buffer Zone 2	-BZ 2-
Flow Arrow	←
Disappearing Stream	→
Spring	○
Swamp Marsh	⊗
Proposed Lateral, Tail, Head Ditch	_____
False Sump	_____

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	⊙
Switch	⊕
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Proposed Right of Way Line with Iron Pin and Cap Marker	_____
Proposed Right of Way Line with Concrete or Granite Marker	_____
Existing Control of Access	⊕
Proposed Control of Access	⊕
Existing Easement Line	E
Proposed Temporary Construction Easement	E
Proposed Temporary Drainage Easement	TDE
Proposed Permanent Drainage Easement	PDE
Proposed Permanent Utility Easement	PUE
Proposed Permanent Aerial Utility Easement	AUE

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	-C-
Proposed Slope Stakes Fill	-F-
Proposed Wheel Chair Ramp	⊕
Proposed Wheel Chair Ramp Curb Cut	⊕
Curb Cut for Future Wheel Chair Ramp	⊕
Existing Metal Guardrail	_____
Proposed Guardrail	_____
Existing Cable Guiderail	_____
Proposed Cable Guiderail	_____
Equality Symbol	⊕
Pavement Removal	_____

VEGETATION:

Single Tree	⊕
Single Shrub	⊕
Hedge	_____
Woods Line	_____
Orchard	_____
Vineyard	_____

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	_____
Bridge Wing Wall, Head Wall and End Wall	_____
MINOR:	
Head and End Wall	_____
Pipe Culvert	_____
Footbridge	_____
Drainage Box: Catch Basin, DI or JB	□
Paved Ditch Gutter	_____
Storm Sewer Manhole	⊕
Storm Sewer	_____

UTILITIES:

POWER:	
Existing Power Pole	⊕
Proposed Power Pole	⊕
Existing Joint Use Pole	⊕
Proposed Joint Use Pole	⊕
Power Manhole	⊕
Power Line Tower	⊕
Power Transformer	⊕
U/G Power Cable Hand Hole	⊕
H-Frame Pole	⊕
Recorded U/G Power Line	_____
Designated U/G Power Line (S.U.E.*)	_____

TELEPHONE:

Existing Telephone Pole	⊕
Proposed Telephone Pole	⊕
Telephone Manhole	⊕
Telephone Booth	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	⊕
Recorded U/G Telephone Cable	_____
Designated U/G Telephone Cable (S.U.E.*)	_____
Recorded U/G Telephone Conduit	_____
Designated U/G Telephone Conduit (S.U.E.*)	_____
Recorded U/G Fiber Optics Cable	_____
Designated U/G Fiber Optics Cable (S.U.E.*)	_____

WATER:

Water Manhole	⊕
Water Meter	⊕
Water Valve	⊕
Water Hydrant	⊕
Recorded U/G Water Line	_____
Designated U/G Water Line (S.U.E.*)	_____
Above Ground Water Line	_____

TV:

TV Satellite Dish	⊕
TV Pedestal	⊕
TV Tower	⊕
U/G TV Cable Hand Hole	⊕
Recorded U/G TV Cable	_____
Designated U/G TV Cable (S.U.E.*)	_____
Recorded U/G Fiber Optic Cable	_____
Designated U/G Fiber Optic Cable (S.U.E.*)	_____

GAS:

Gas Valve	⊕
Gas Meter	⊕
Recorded U/G Gas Line	_____
Designated U/G Gas Line (S.U.E.*)	_____
Above Ground Gas Line	_____

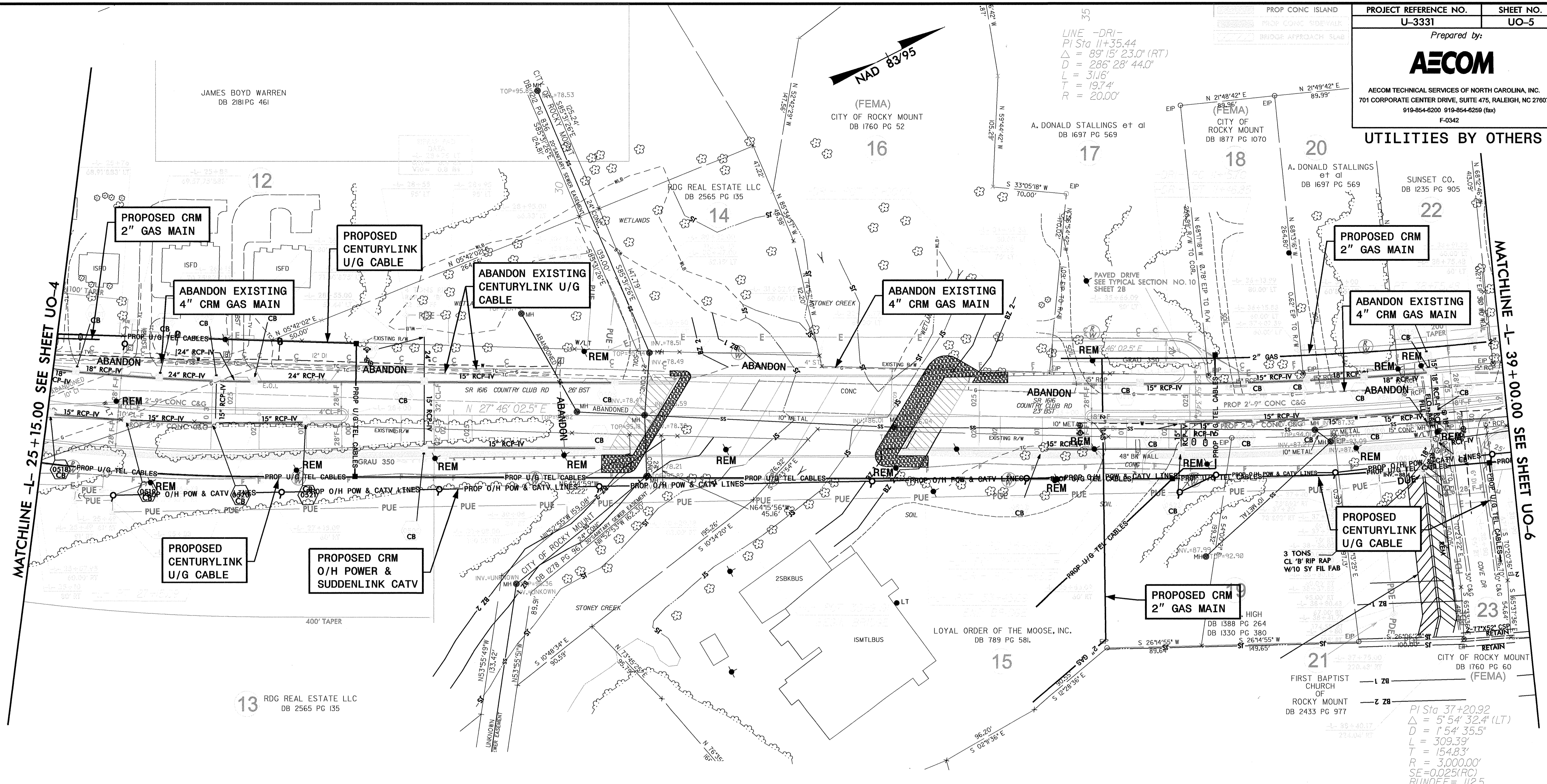
SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	_____
Above Ground Sanitary Sewer	_____
Recorded SS Forced Main Line	_____
Designated SS Forced Main Line (S.U.E.*)	_____

MISCELLANEOUS:

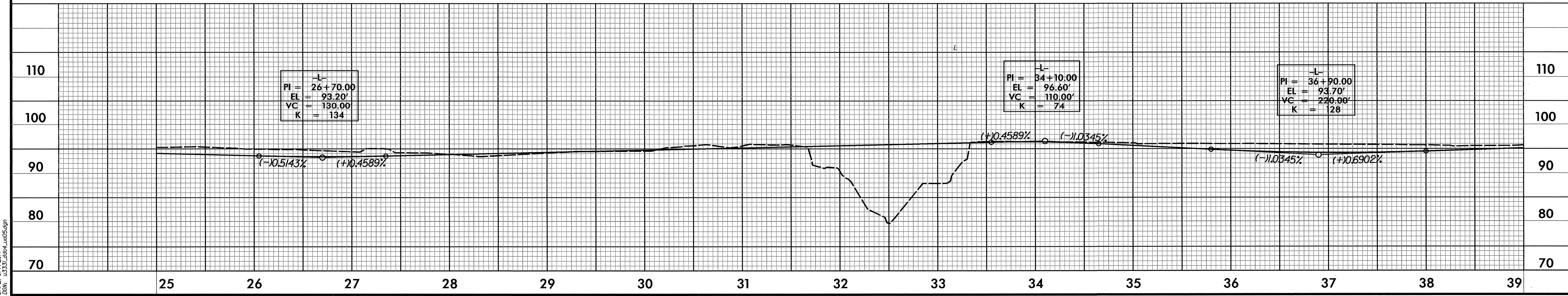
Utility Pole	⊕
Utility Pole with Base	⊕
Utility Located Object	⊕
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	_____
U/G Tank; Water, Gas, Oil	_____
A/G Tank; Water, Gas, Oil	_____
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
Determined According to Utility Records	DATUR
End of Information	E.O.I.

UTILITIES BY OTHERS



LINE -DRI-
 PI Sta 11+35.44
 $\Delta = 89' 15" 23.0' (RT)$
 $D = 286' 28" 44.0'$
 $L = 31.16'$
 $T = 19.74'$
 $R = 20.00'$

PI Sta 37+20.92
 $\Delta = 5' 54" 32.4' (LT)$
 $D = 1' 54" 35.5'$
 $L = 309.39'$
 $T = 154.83'$
 $R = 3000.00'$
 $SE=0.025(FC)$
 $RUNOFF=112.5$

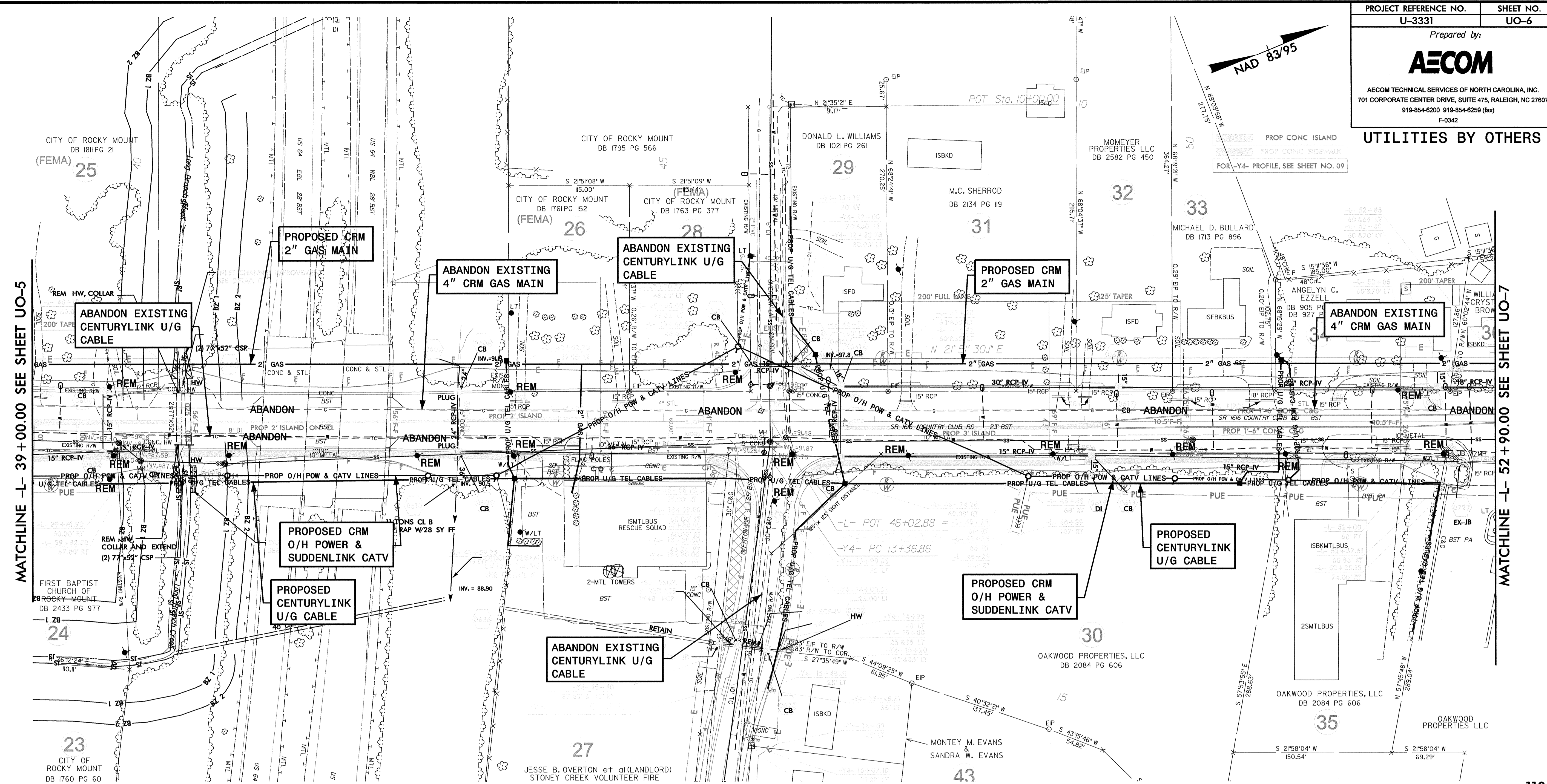


Prepared by:



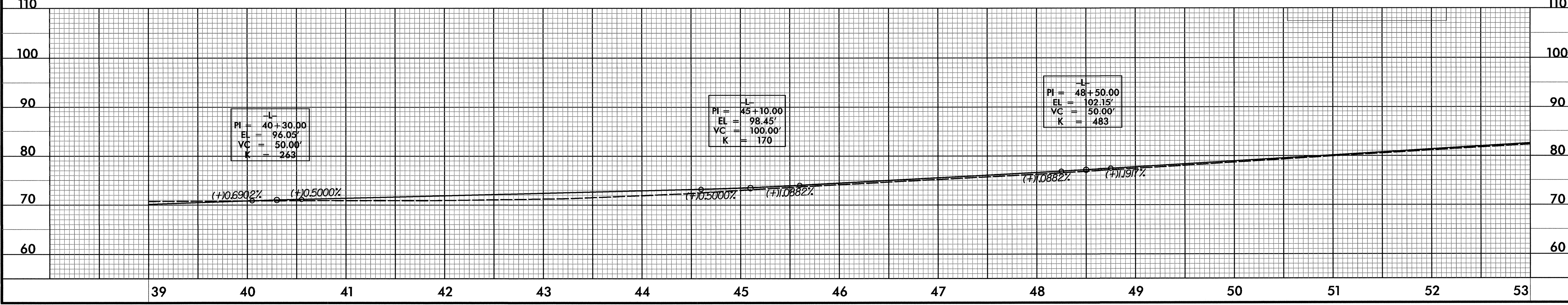
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919-854-6200 919-854-6259 (fax)
F-0342

UTILITIES BY OTHERS

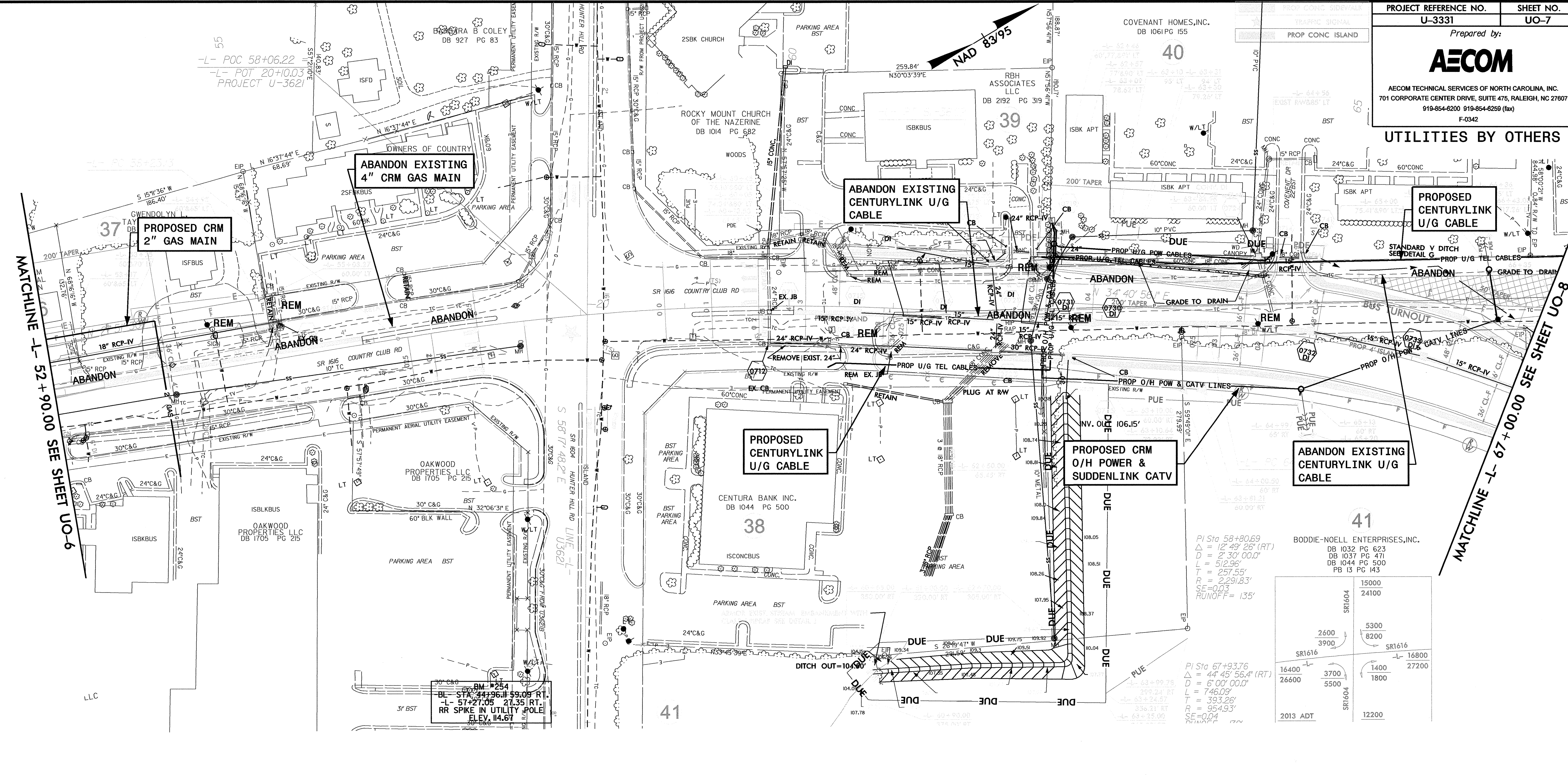


MATCHLINE -L- 39 + 00.00 SEE SHEET UO-5

MATCHLINE -L- 52 + 90.00 SEE SHEET UO-7



UTILITIES BY OTHERS

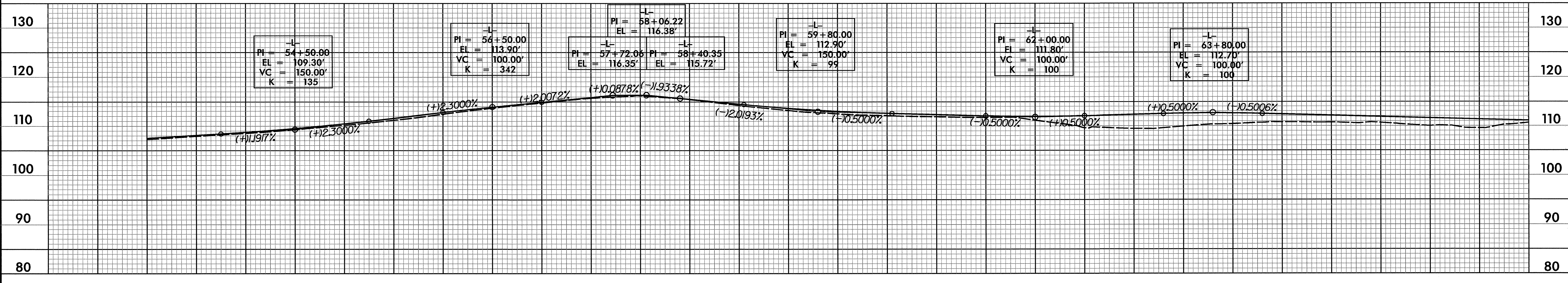


PI Sta 58+80.69
 $\Delta = 12' 49' 26''$ (RT)
 $D = 2' 30' 00.0''$
 $L = 512.96'$
 $T = 257.55'$
 $R = 2,291.83'$
 $SE = 0.03$
 $RUNOFF = 135'$

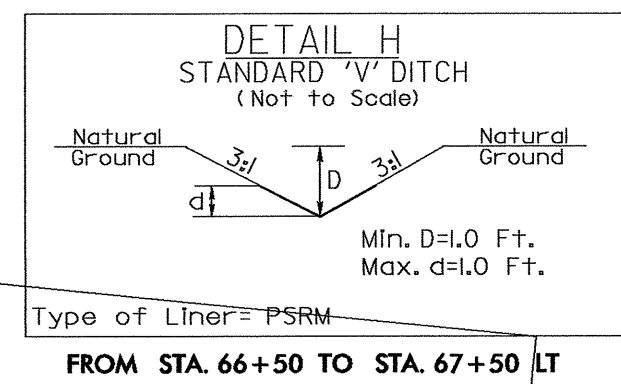
PI Sta 67+93.76
 $\Delta = 44' 45' 56.4''$ (RT)
 $D = 6' 00' 00.0''$
 $L = 746.09'$
 $T = 393.26'$
 $R = 954.93'$
 $SE = 0.04$
 $RUNOFF = 177'$

SR1604	15000	24100
SR1616	2600	5300
SR1604	3700	1400
SR1616	16800	27200
2013 ADT	12200	

BM #254
 BL STA 44+96.11 59.09 RT
 LL 57+27.05 21.35 RT
 RR SPIKE IN UTILITY POLE
 ELEV. 114.67



UTILITIES BY OTHERS



PROPOSED CENTURYLINK U/G CABLE

ABANDON EXISTING CENTURYLINK U/G CABLE

ABANDON EXISTING CENTURYLINK U/G CABLE

PROPOSED CENTURYLINK U/G CABLE

PROPOSED CENTURYLINK U/G CABLE

ABANDON EXISTING CENTURYLINK U/G CABLE

PROPOSED CENTURYLINK U/G CABLE

PROPOSED CENTURYLINK U/G CABLE

PROPOSED CRM 2" GAS MAIN

PARCEL	LOT	PB 22 PG 322
20	J. D. HINES	DB 1560 PG 263
21	GAIL W. THOMPSON	DB 2084 PG 668
22	GAIL HOCKEMEYER	DB 1577 PG 759
23	ANNIE G. THORPE	DB 1585 PG 728
24	MAEBELLE B. BARKLEY	DB 1617 PG 360
25	MARY ELLEN PARKER	DB 1673 PG 865
26	CAROLYN R. GRANT	DB 2563 PG 426
27	FRANCES A. GAITHER	DB 1726 PG 1045
28	GEORGE WEATHERLY, III	DB 1828 PG 412
29	JOSEPHINE H. FISH	DB 2429 PG 450
45	COBBLESTONE HOMEOWNERS ASSOCIATION	

LINE -Y6-
 PI Sta 11+94.35
 $\Delta = 58' 27" 01.7" (RT)$
 $D = 20' 00" 00.0"$
 $L = 292.25'$
 $T = 160.27'$
 $R = 286.48'$
 $SE = 0.04$
 $RUNOFF = 80'$

B= 3Ft. to 5Ft. (match exist.)

END PROJECT U-3331

