

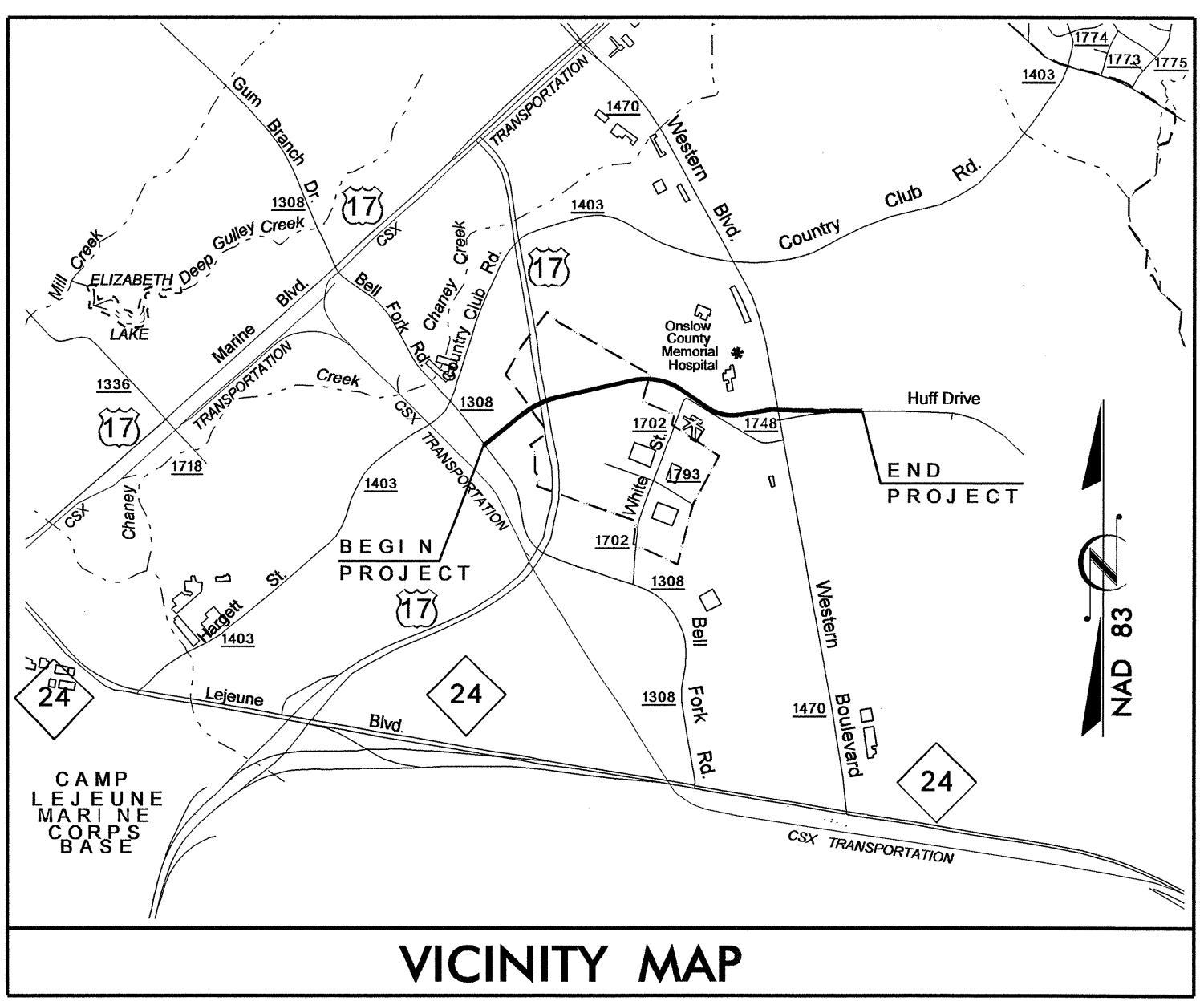
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS
ONSLOW COUNTY**

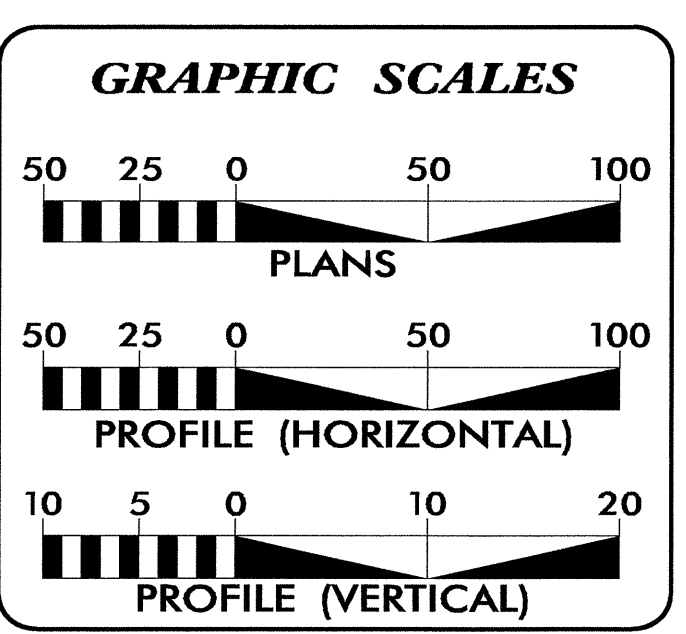
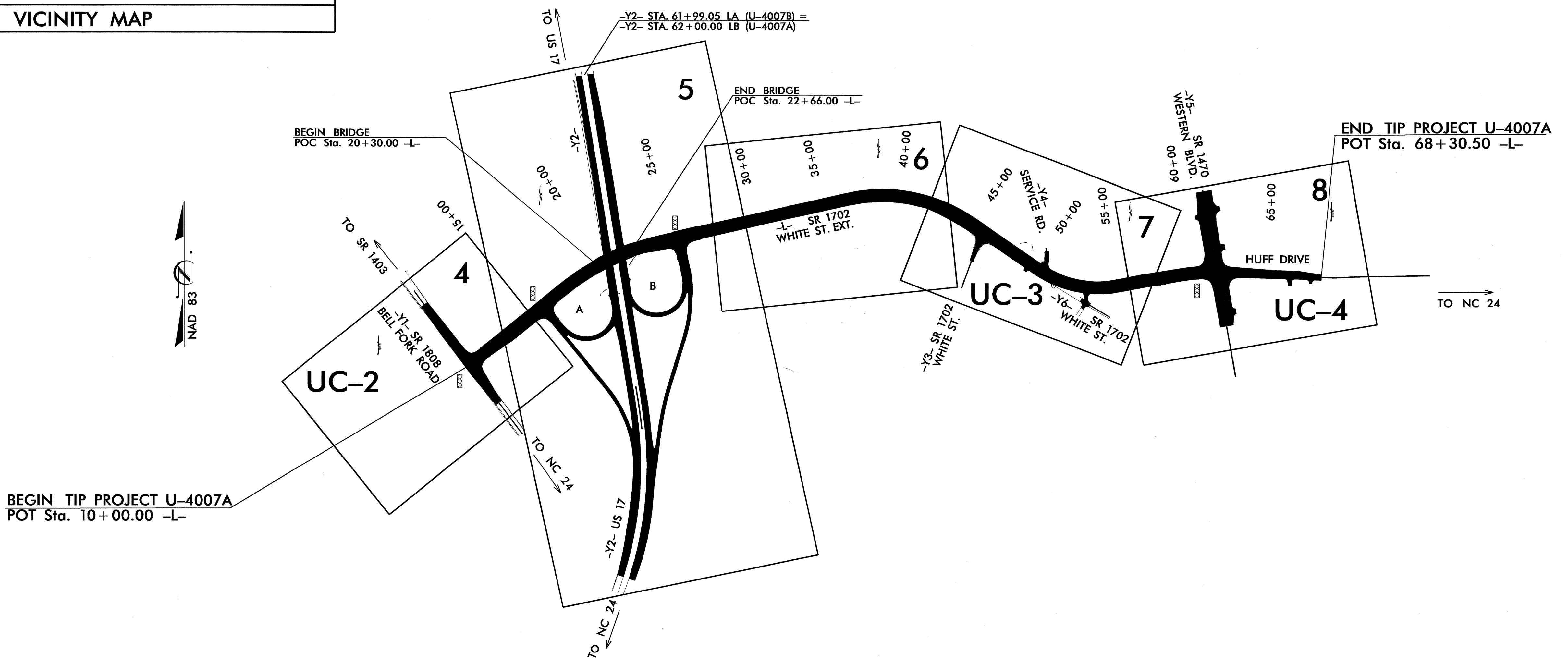
LOCATION: SR 1702 (WHITE STREET EXTENSION) FROM SR 1308 (BELL FORK ROAD) TO SR 1470 (WESTERN BOULEVARD)

TYPE OF WORK: UTILITY RELOCATION

TIP PROJECT: U-4007A



VICINITY MAP

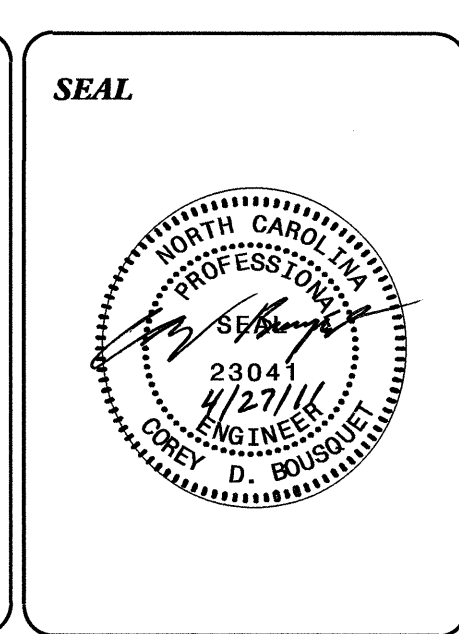


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-4	UTILITY CONSTRUCTION PLAN SHEETS
UC-5 THRU UC-6	PROFILE SHEET(S)
UC-7 THRU UC-8	DETAILS SHEET(S)

WATER AND SEWER OWNERS ON PROJECT

(1) CITY OF JACKSONVILLE (WATER & SEWER)
(2) ONSLOW COUNTY WATER & SEWER AUTHORITY (ONWASA)

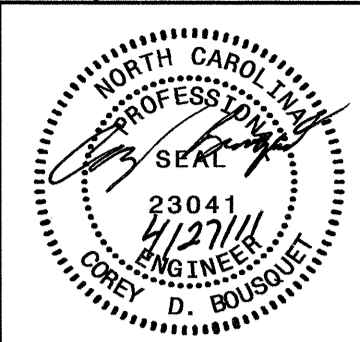


PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1591 MAIL SERVICES CENTER
RALEIGH, NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

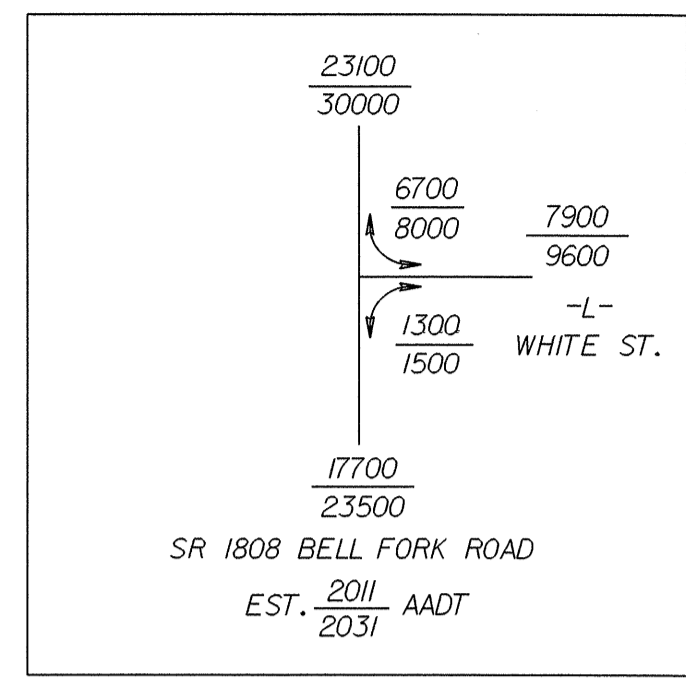
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Stephanie Athey UTILITIES PROJECT DESIGNER

27-APR-2011 14:20 F:\Utilities\RDY_U4\Proj\U4007A_Ut_tsh_ucl.dgn

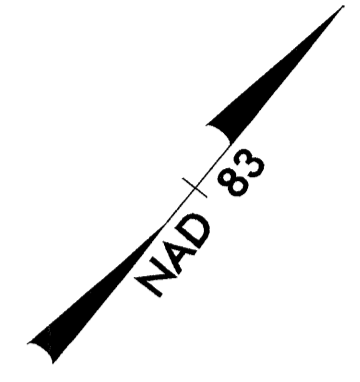


UTILITY CONSTRUCTION

EXISTING 12" WATER LINE AND 8" SEWER LINE OWNED BY CITY OF JACKSONVILLE



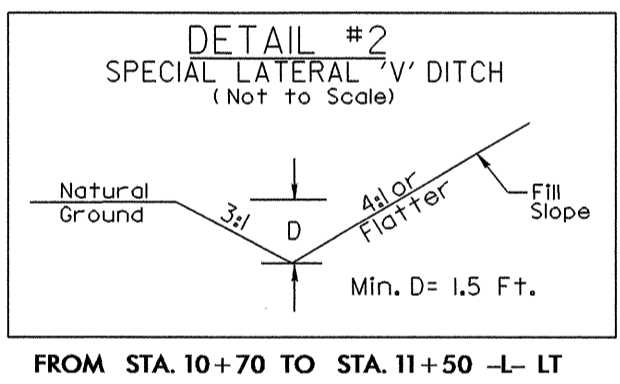
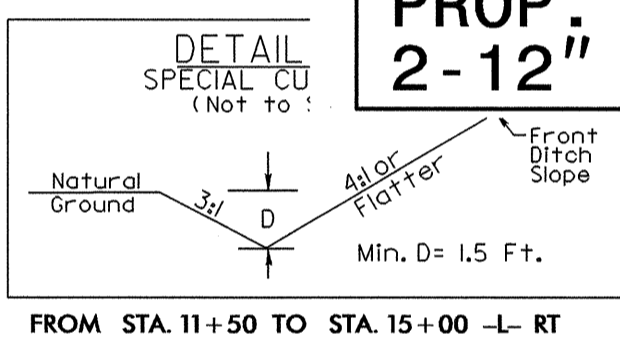
PROP. 12" PLUG



RELOCATE 3 WATER METERS

WARP GUTTERS
 FROM 0.04 AT STA. 12+33 -YI- LT AND RT TO 0.12 AT STA. 12+83 -YI- LT AND RT
 TO 0.04 AT STA. 13+33 -YI- LT AND RT TO 0.12 AT STA. 14+10 -YI- LT AND RT
 TO 0.04 AT STA. 14+60 -YI- LT AND RT

FROM 0.04 AT STA. 14+98 -YI- RT TO 0.12 AT STA. 15+48 -YI- RT
 TO 0.04 AT STA. 15+98 -YI- RT



PROP. 743' OF 12" WATER LINE 2-12" TAPPING VALVES

RELOCATE FIRE HYDRANT

RELOCATE 2 WATER METERS

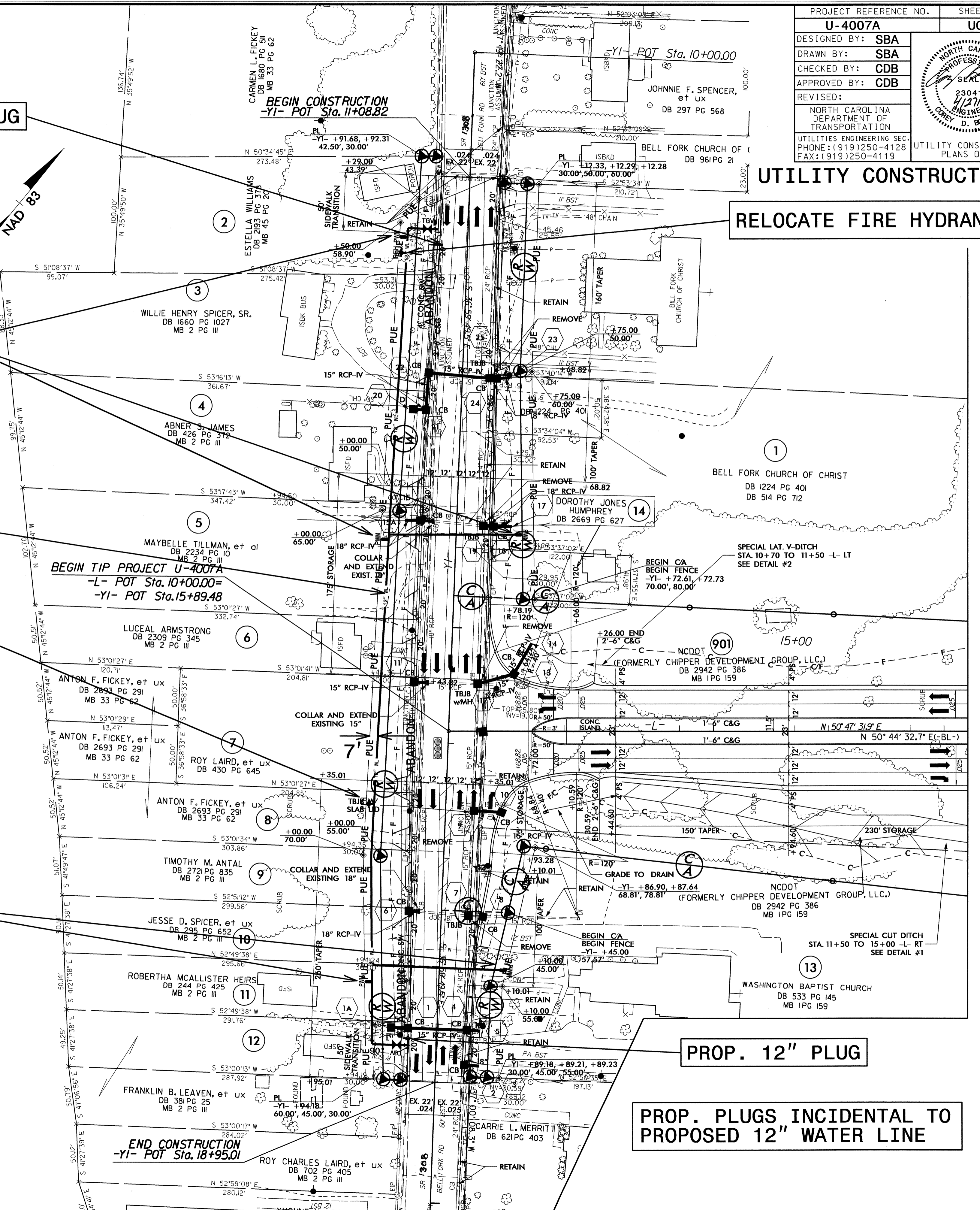
**ABANDON 1683' OF 12" UTILITY PIPE
 ABANDON 940' OF 8" UTILITY PIPE**

16" VALVES OR LARGER USE BUTTERFLY VALVES

RELOCATE FIRE HYDRANT

PROP. 12" PLUG

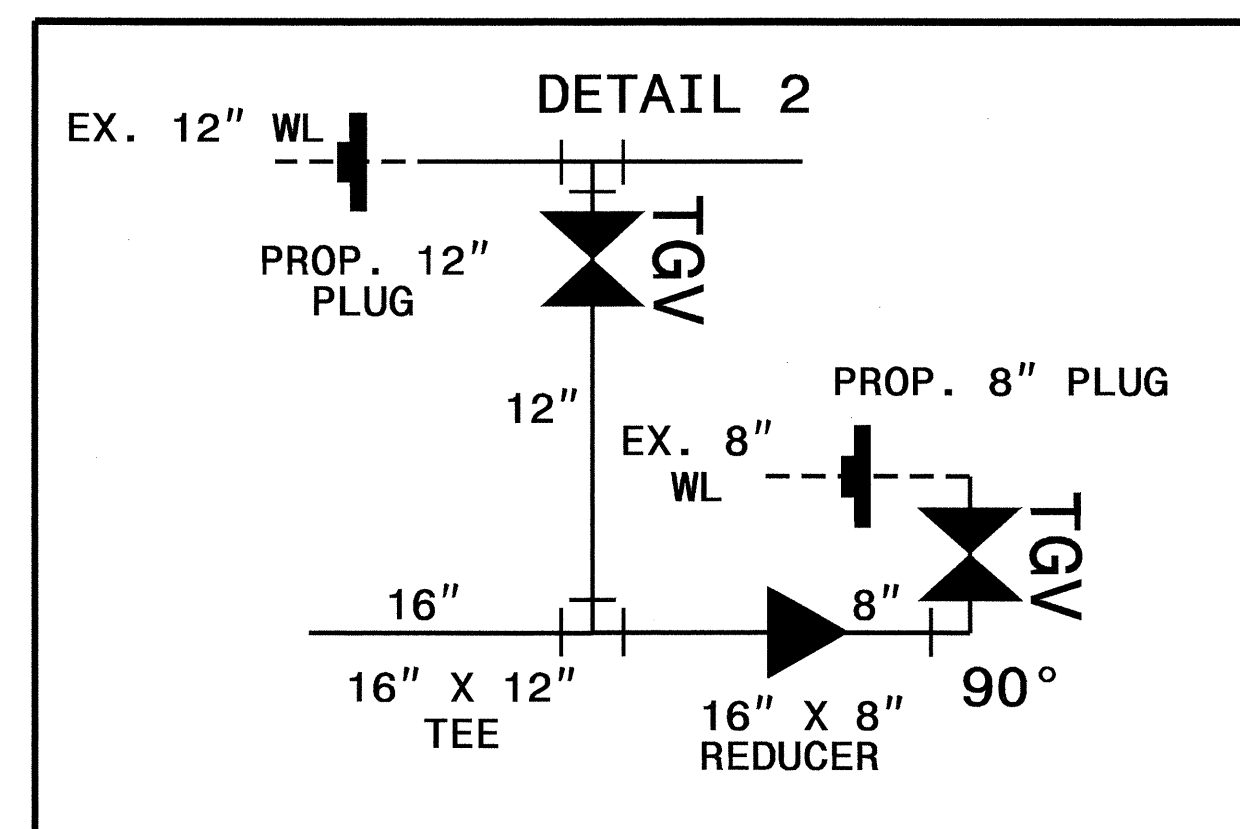
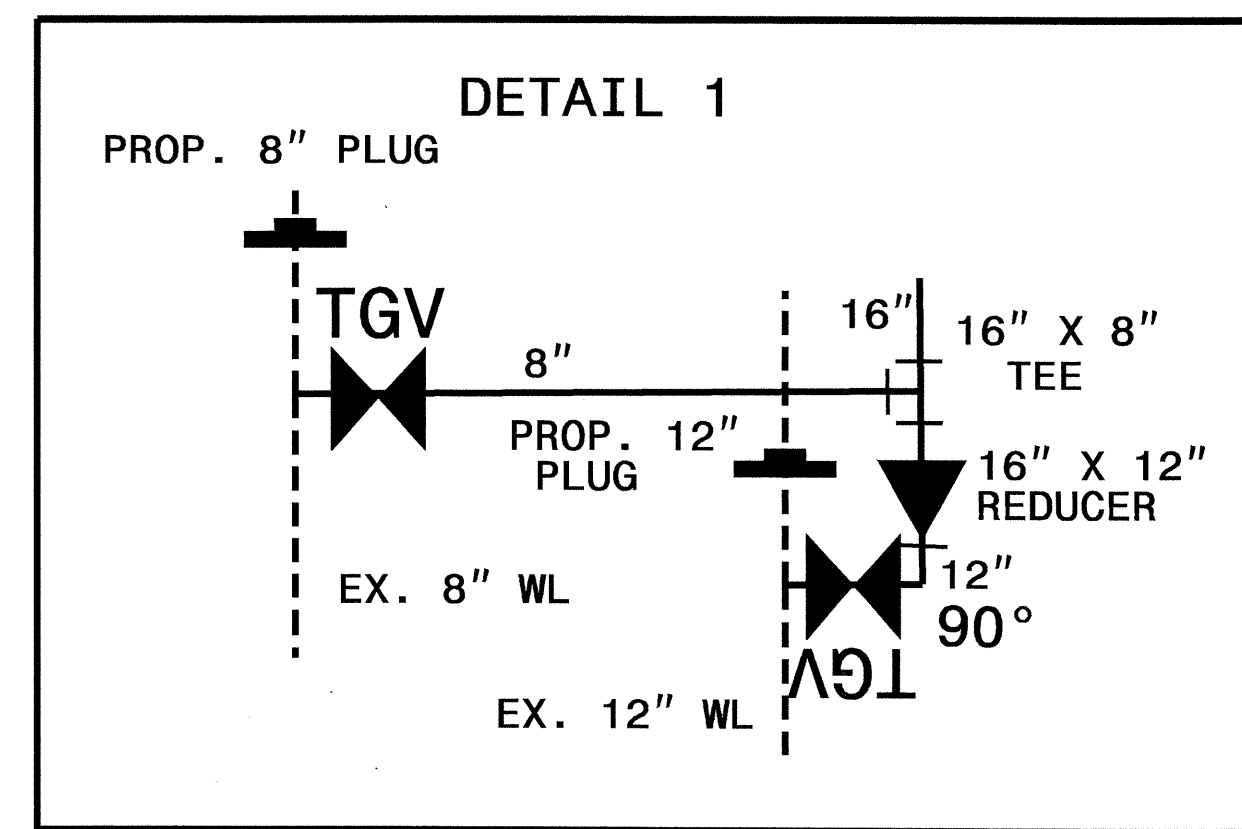
PROP. PLUGS INCIDENTAL TO PROPOSED 12" WATER LINE



5/14/99
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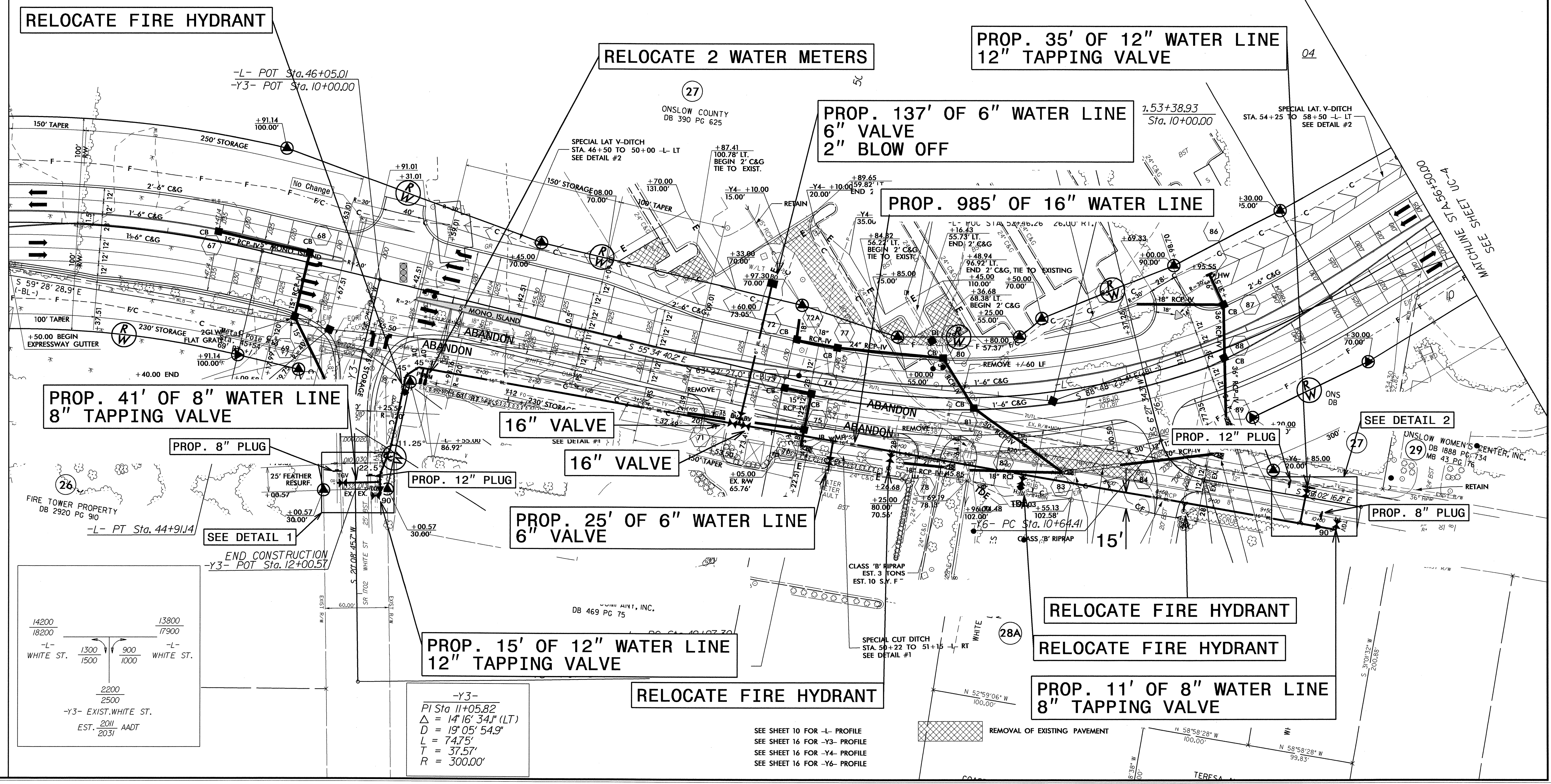
UTILITY CONSTRUCTION

EXISTING 12" WATER LINE IS OWNED BY CITY OF JACKSONVILLE
EXISTING 8" WATER LINE IS OWNED BY ONWASA



-L-
PI Sta. 41+04.58
Δ = 47° 09' 01.3" (RT)
D = 5° 43' 46.5"
L = 822.93'
T = 436.37'
R = 1,000.00'
SE = .035
DS = 40MPH

FROM STA. 52+50 TO STA. 53+00 -L- RT



PROP. 41' OF 8" WATER LINE
8" TAPPING VALVE

16" VALVE

PROP. 25' OF 6" WATER LINE
6" VALVE

PROP. 15' OF 12" WATER LINE
12" TAPPING VALVE

RELOCATE FIRE HYDRANT

RELOCATE FIRE HYDRANT

PROP. 11' OF 8" WATER LINE
8" TAPPING VALVE

SEE SHEET 10 FOR -L- PROFILE
SEE SHEET 16 FOR -Y3- PROFILE
SEE SHEET 16 FOR -Y4- PROFILE
SEE SHEET 16 FOR -Y6- PROFILE

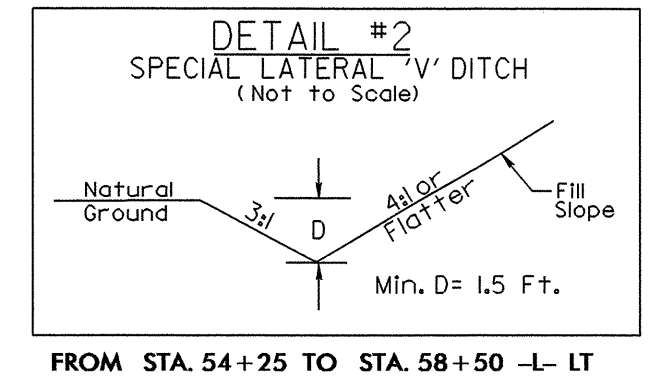
14200
18200
-L-
1300
1500
900
1000
-L-
WHITE ST.
2200
2500
-Y3- EXIST. WHITE ST.
EST. 2011 ADT
2031

-Y3-
PI Sta. 11+05.82
Δ = 14° 16' 34" (LT)
D = 19° 05' 54.9"
L = 74.75'
T = 37.57'
R = 300.00'

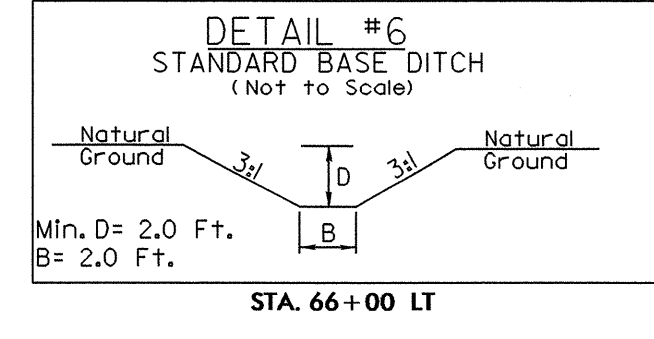
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S:\utilities\Revised\U4007A\ut_uc_psh3.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-4007A	UC-4
DESIGNED BY: SBA	
DRAWN BY: SBA	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 250-4128 FAX: (919) 250-4119	

UTILITY CONSTRUCTION



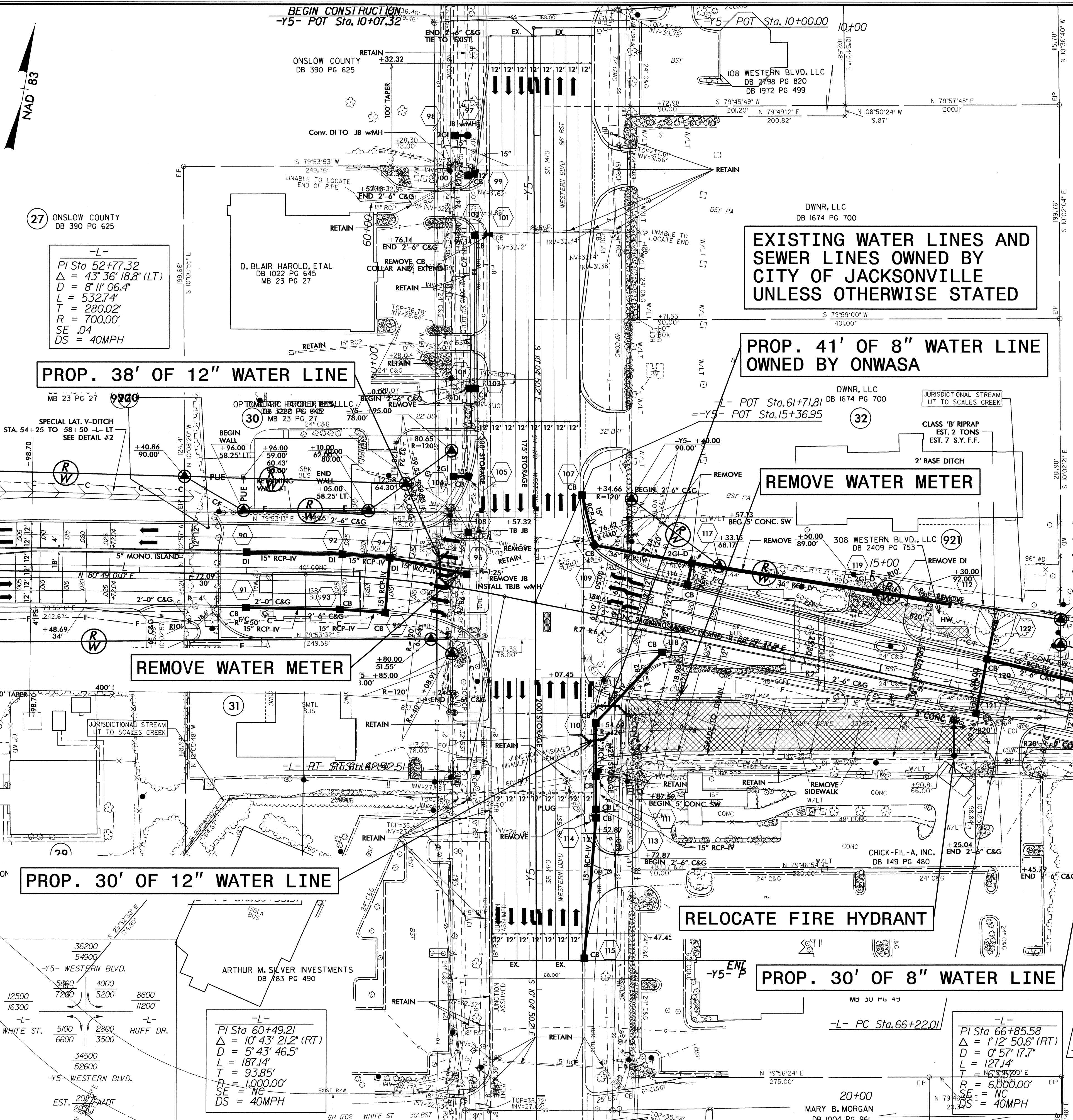
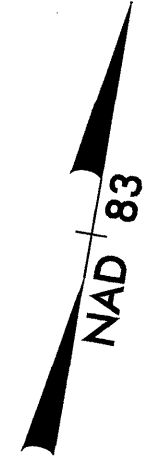
FROM STA. 54+25 TO STA. 58+50 -L- LT



STA. 66+00 LT

JACKSONVILLE DOCTORS PARK, INC
DB 411 PG 311

-L-
PI Sta 69+13.39
Δ = 5'13" 56.5" (LT)
D = 12' 47" 50.0"
L = 40.89'
T = 20.46'
R = 447.72'



-L-
PI Sta 52+77.32
Δ = 43' 36" 18.8" (LT)
D = 8' 11" 06.4"
L = 532.74'
T = 280.02'
R = 700.00'
SE .04
DS = 40MPH

PROP. 38' OF 12" WATER LINE

EXISTING WATER LINES AND SEWER LINES OWNED BY CITY OF JACKSONVILLE UNLESS OTHERWISE STATED

PROP. 41' OF 8" WATER LINE OWNED BY ONWASA

REMOVE WATER METER

REMOVE WATER METER

PROP. 30' OF 12" WATER LINE

RELOCATE FIRE HYDRANT

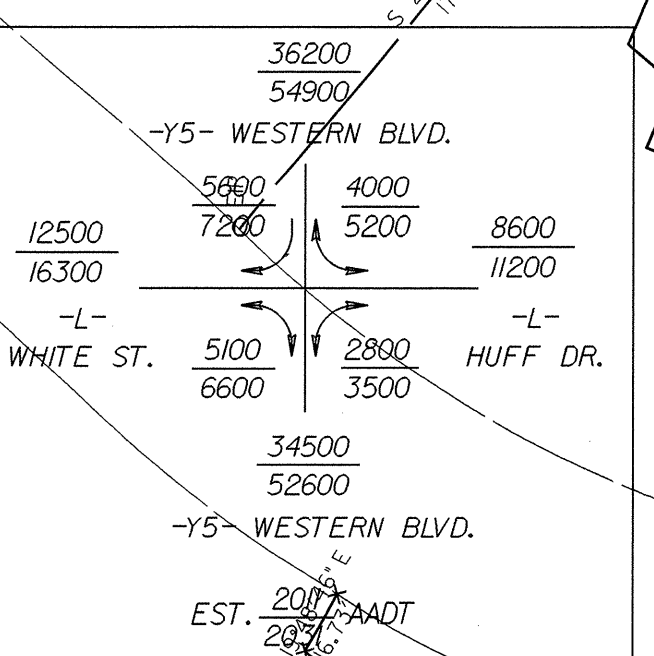
PROP. 30' OF 8" WATER LINE

-L-
PI Sta 66+85.58
Δ = 1'12" 50.6" (RT)
D = 0' 57" 17.7"
L = 127.14'
T = 63.5700'
R = 6,000.00'
SE = NC
DS = 40MPH

-L-
PI Sta 70+69.58
Δ = 1' 38" 47.8" (RT)
D = 1' 09" 44.0"
L = 141.68'
T = 70.84'
R = 4,929.89'

SEE SHEET 11 FOR -L- PROFILE
SEE SHEET 16 FOR -Y5- PROFILE


SEE SHEET NO.7
MATCHLINE STA.56+50.00



-L-
PI Sta 60+49.21
Δ = 10' 43" 21.2" (RT)
D = 5' 43" 46.5"
L = 187.14'
T = 93.85'
R = 1,000.00'
SE = NC
DS = 40MPH

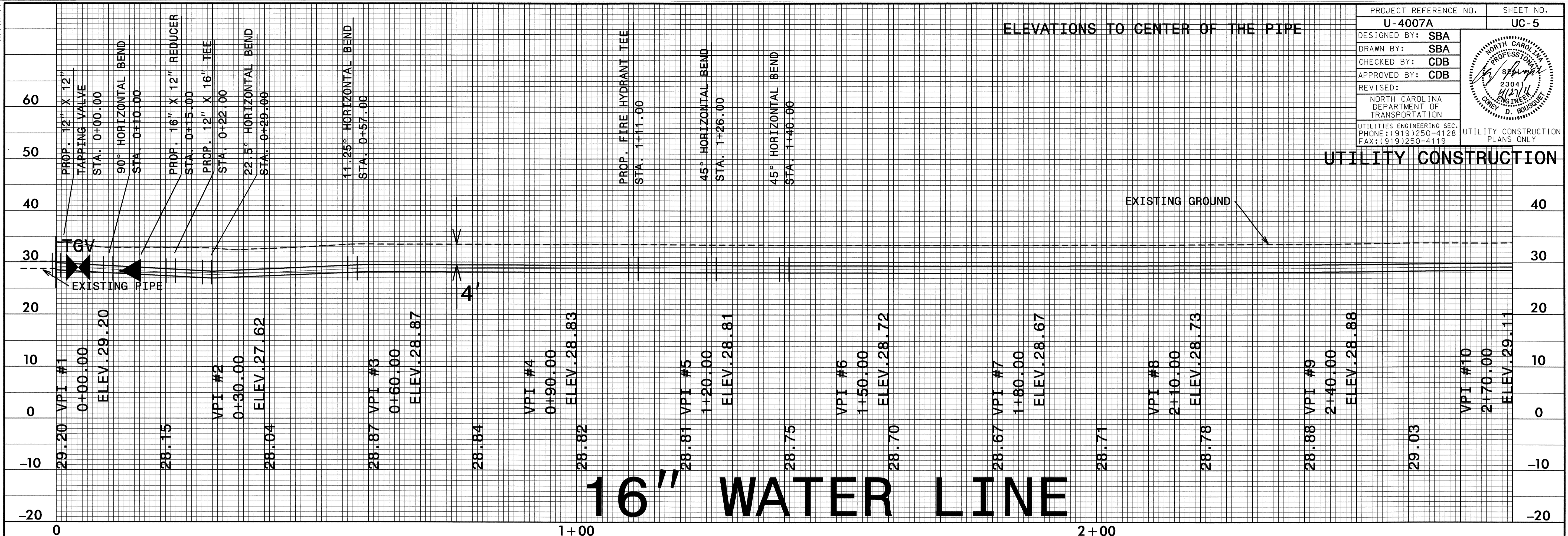
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5/28/99

PROJECT REFERENCE NO. U-4007A	SHEET NO. UC-5
DESIGNED BY: SBA	
DRAWN BY: SBA	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

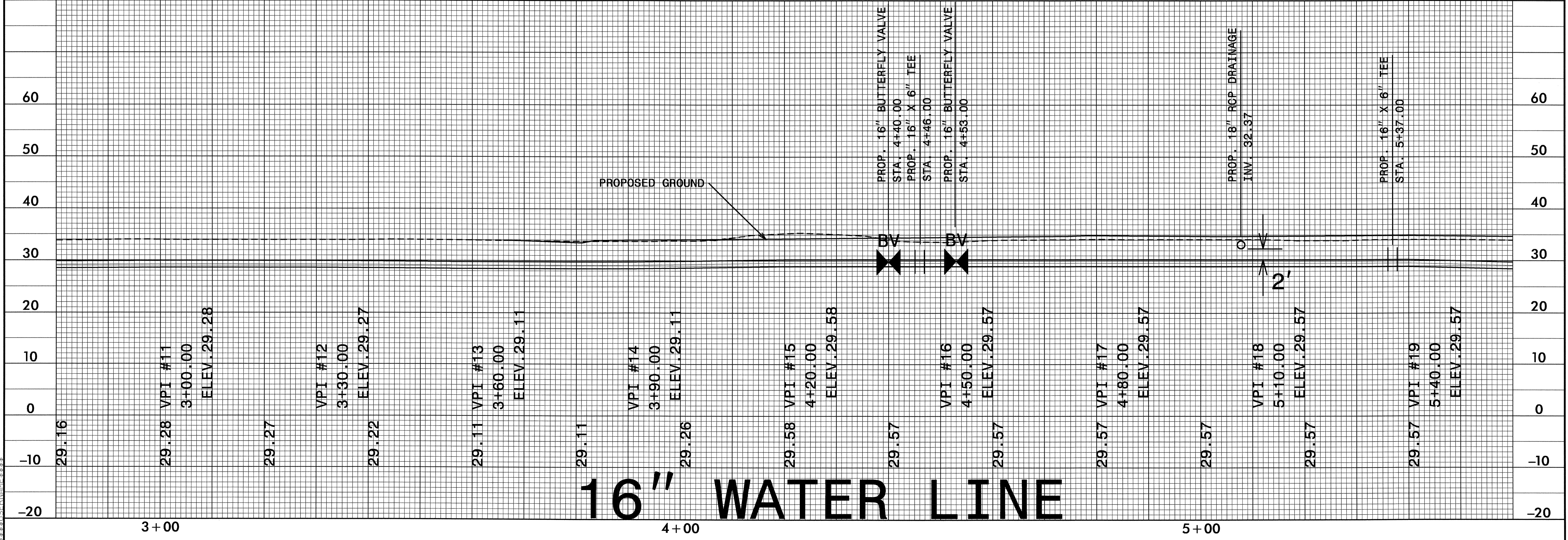
ELEVATIONS TO CENTER OF THE PIPE

UTILITY CONSTRUCTION



16" WATER LINE

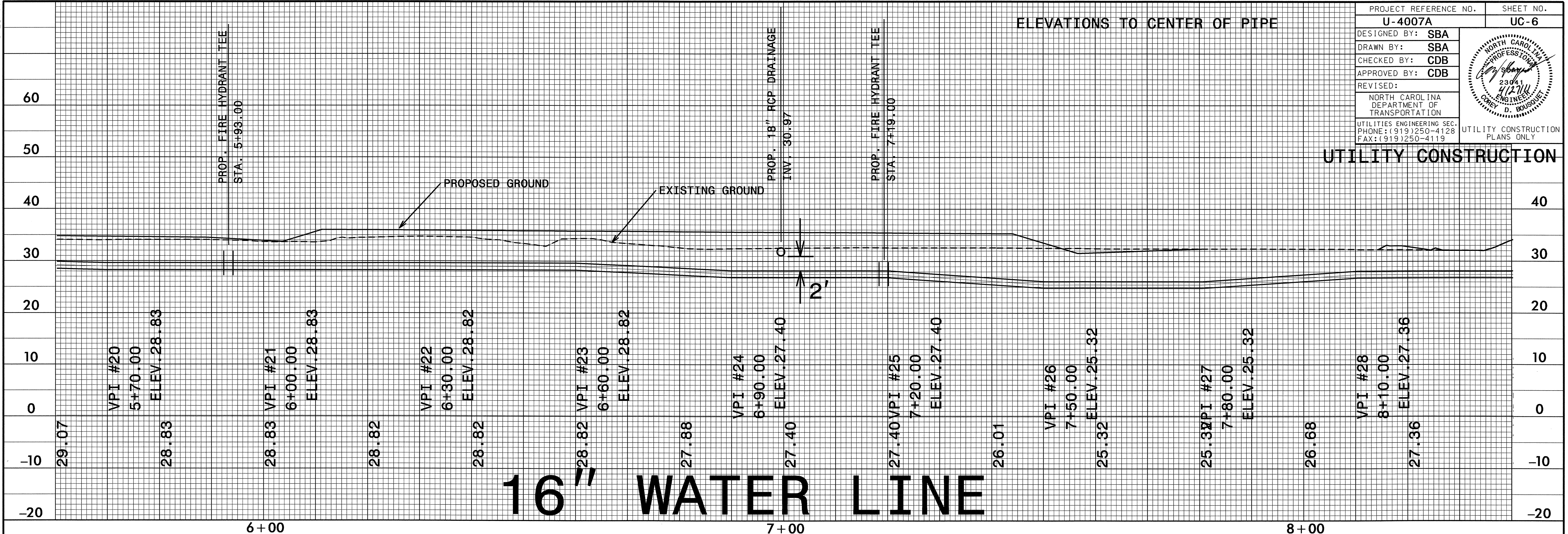
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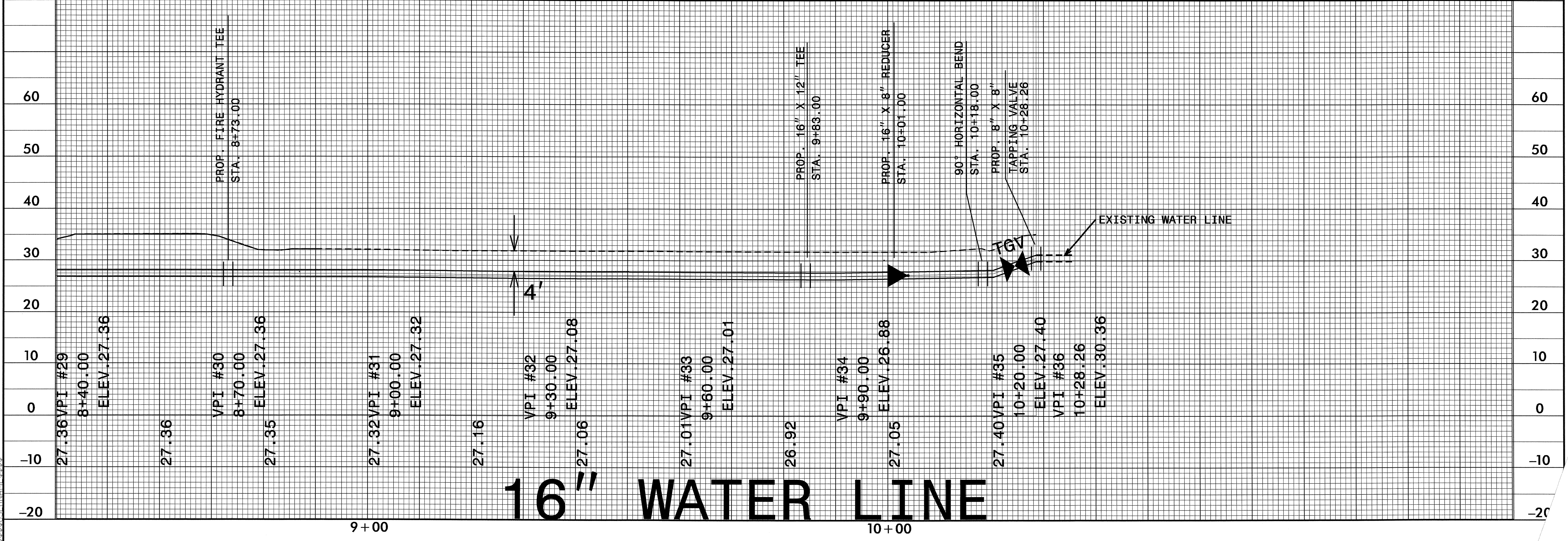
16" WATER LINE

5/28/99

PROJECT REFERENCE NO.	SHEET NO.
U-4007A	UC-6
DESIGNED BY: SBA	
DRAWN BY: SBA	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	



27-APR-2011 14:30
S:\Utilities\UC-6.dgn



TIE ROD ANCHORS DATUM

PIPE SIZE (INCHES)	ROD DIAMETER	NUMBER OF A307 RODS REQUIRED
TEST PRESSURE = 150 PSI		
6	3/4"	2
8	3/4"	2
10	3/4"	2
12	3/4"	4
16	3/4"	6
20	3/4"	8
24	3/4"	8
30	1"	10
TEST PRESSURE = 200 PSI		
6	3/4"	2
8	3/4"	2
10	3/4"	4
12	3/4"	6
16	3/4"	8
20	3/4"	12
24	3/4"	10
30	1"	14

STAINLESS STEEL OR COLD-DIPPED GALVANIZED ASTM A307 TIE RODS

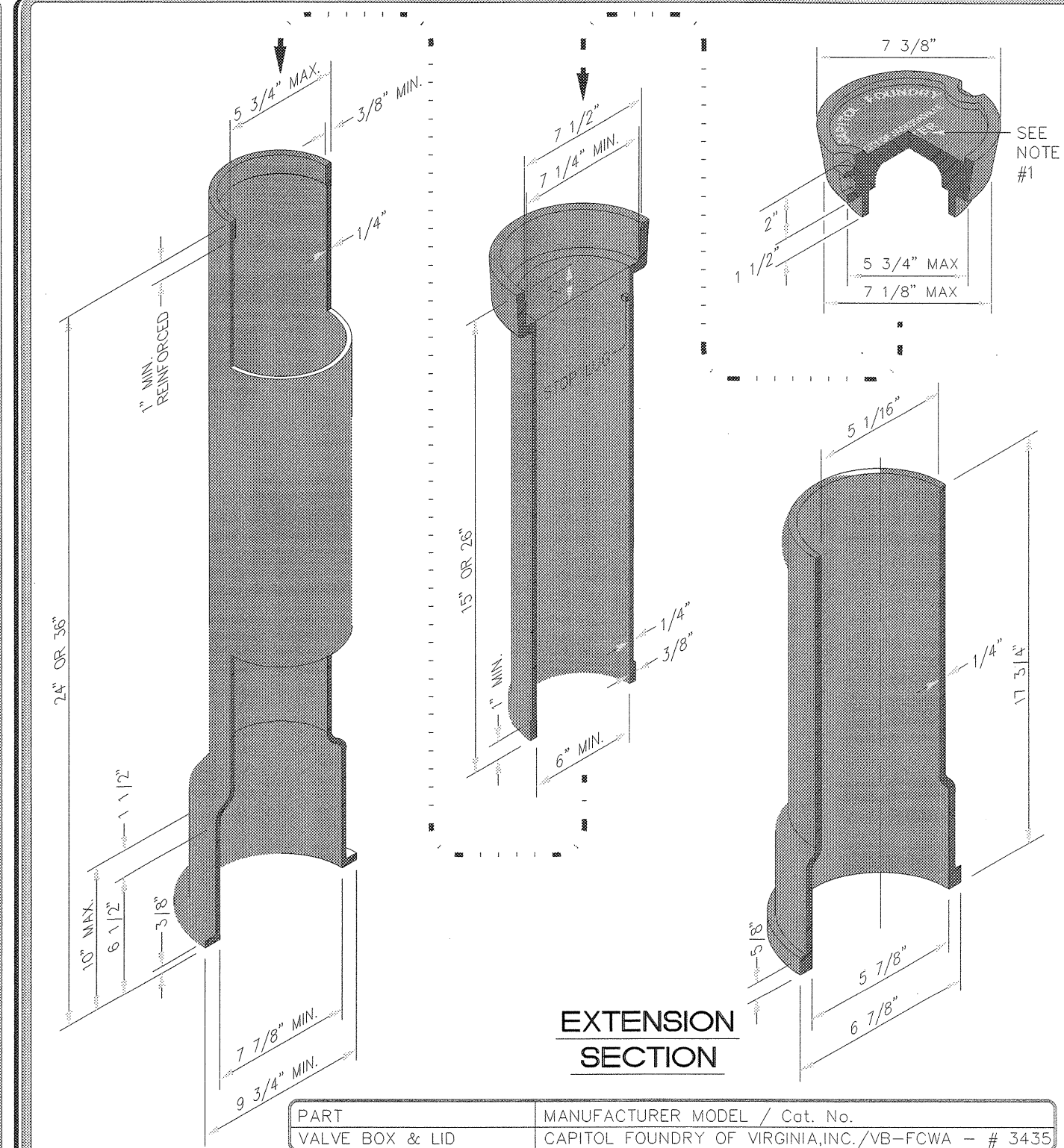
Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 1

TIE ROD ANCHORS DATUM CHART



NOTES:
1. Use heavy duty traffic lid marked "WATER" (or "SEWER" if applicable).
2. Valve box finish: Asphalt coated

PART	MANUFACTURER MODEL / Cat. No.
VALVE BOX & LID	CAPITOL FOUNDRY OF VIRGINIA, INC. / VB-FCWA - # 3435

Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

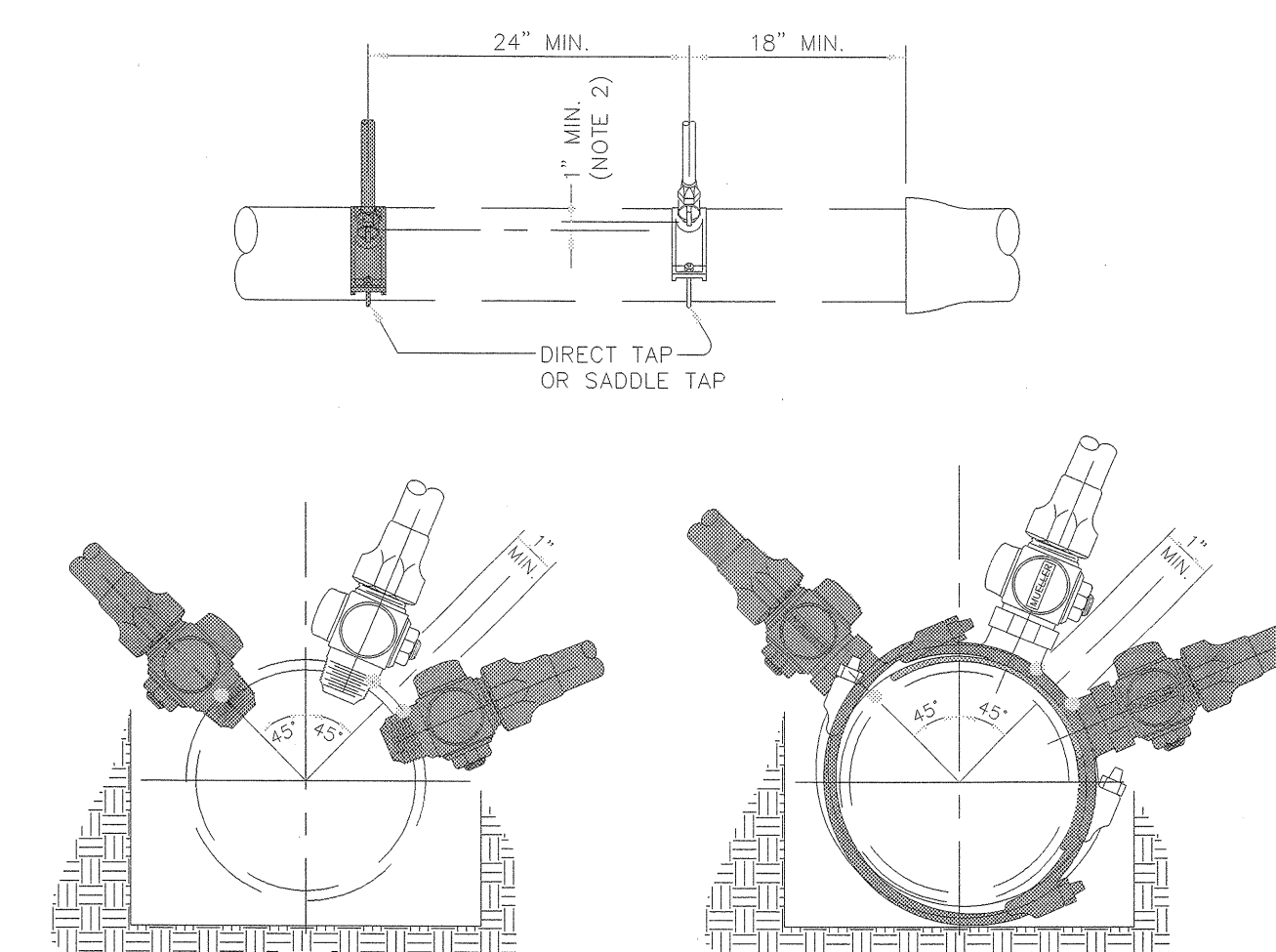
CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 1

STANDARD SLIP TYPE VALVE BOX DETAIL

PART	MANUFACTURER MODEL / Cat. No.
SADDLE	FORD / 101B SERIES FORD / S-90 SERIES (C900 PVC ONLY) MUELLER / BR18 SERIES MUELLER / H1300 SERIES (C900 PVC ONLY)
CORP. STOP	FORD / F600 SERIES MUELLER / H-15000 SERIES



NOTES:
1. All bronze saddles to be single strap for 1".
2. If 2 taps are made on each side of the main there shall be a minimum of 24" horizontal separation. Multiple taps on the same side shall have a minimum 24" horizontal separation and staggered a minimum of 1" vertically to prevent damage to the main.

Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

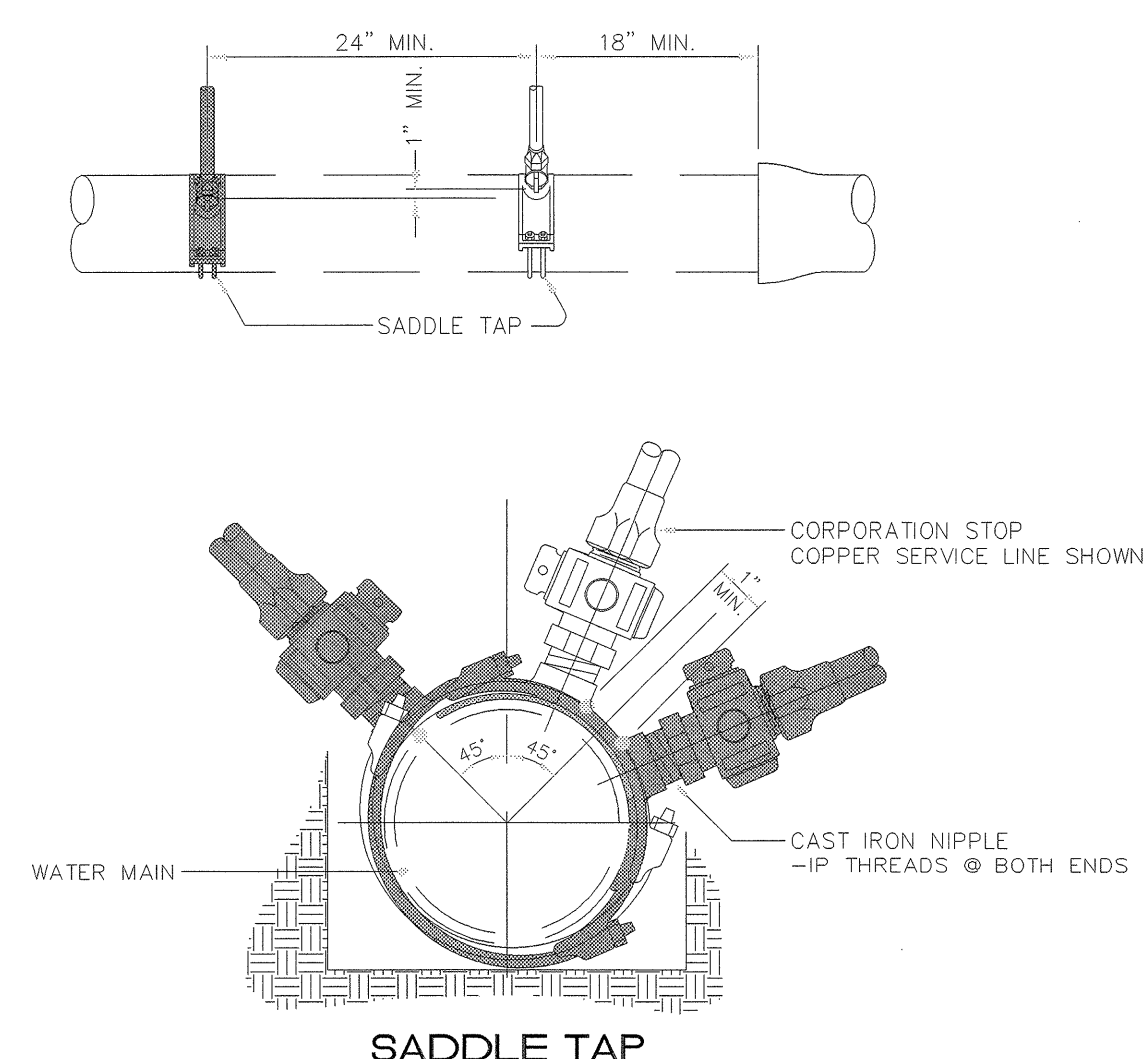
CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 1

STANDARD 1" WATER TAPPING DETAIL

PART	MANUFACTURER MODEL / Cat. No.
SADDLE	FORD / 202B FORD / S-90 SERIES (C900 PVC ONLY) MUELLER / BR28 MUELLER / H1300 SERIES (C900 PVC ONLY)
CORP. STOP	MUELLER / H-15000 SERIES OR APPROVED EQUAL



NOTES:
1. If 2 taps are made on each side of the main there shall be a minimum of 24" horizontal separation. Multiple taps on the same side shall have a minimum 24" horizontal separation and staggered a minimum of 1" vertically to prevent damage to the main.

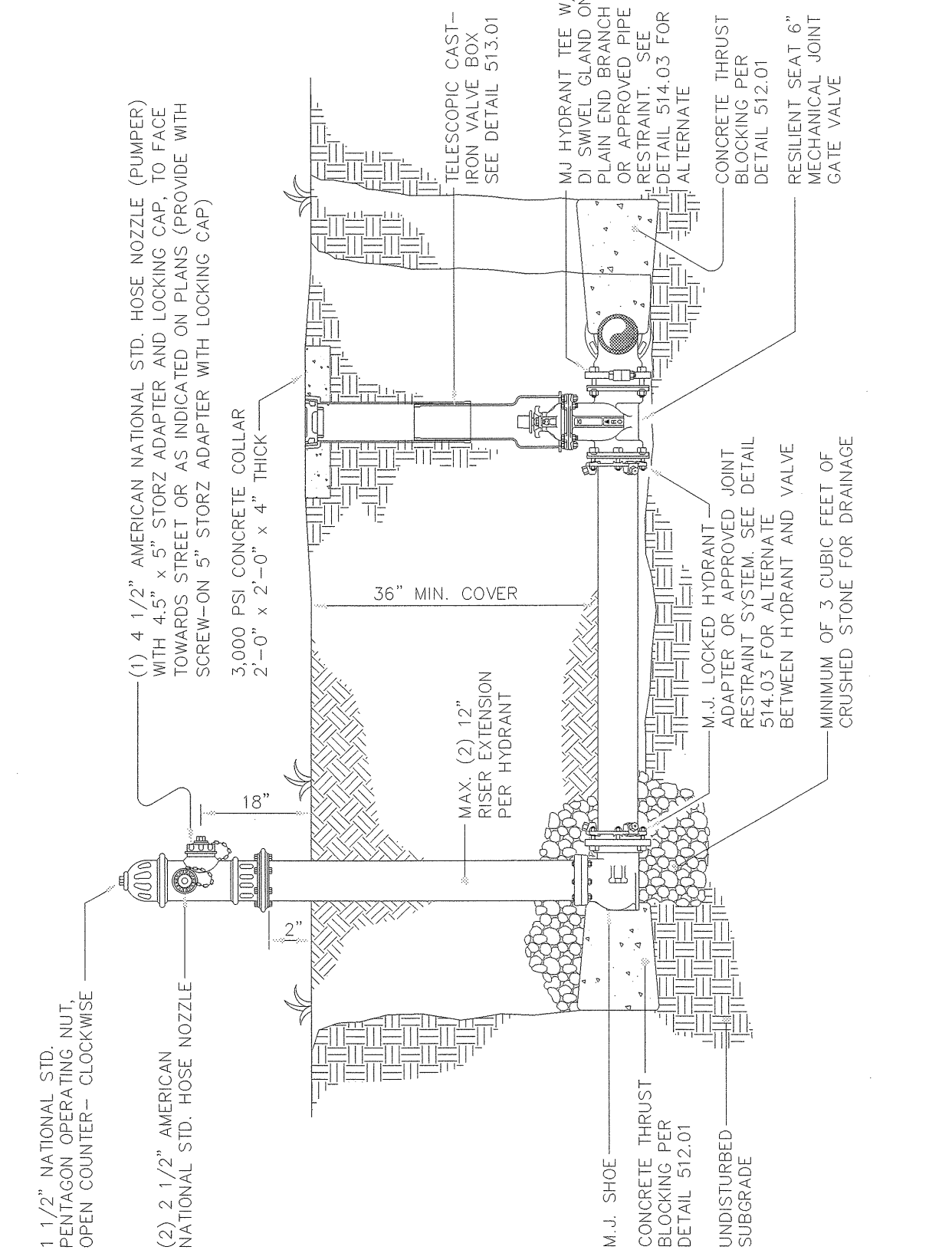
Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 1

STANDARD 1 1/2" and 2" WATER TAPPING DETAIL



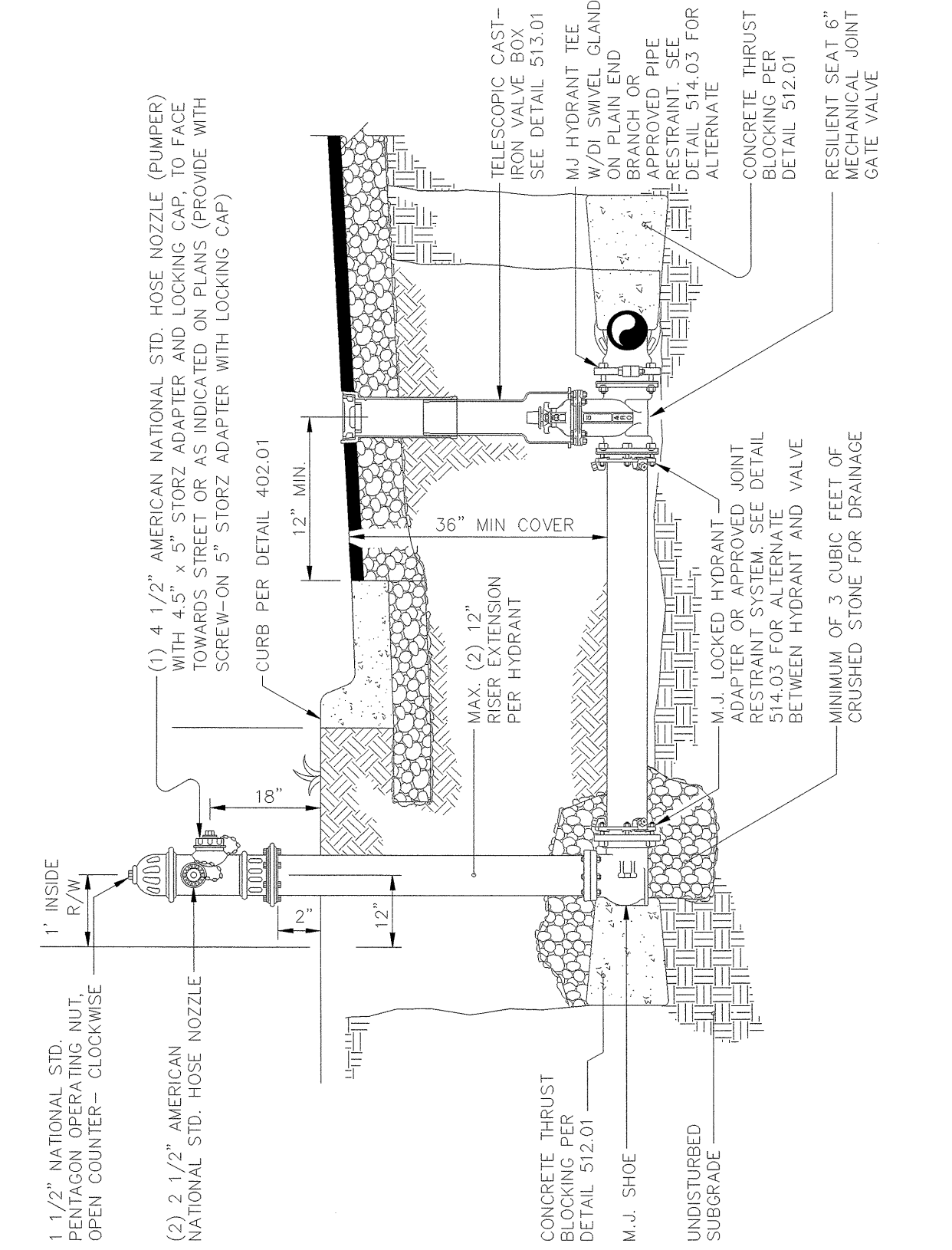
Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 2

STANDARD HYDRANT SETTING (NON-PAVED AREAS)



Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY

http://www.ci.jacksonville.nc.us

SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 2

STANDARD HYDRANT SETTING (CURB & GUTTER W/SIDEWALK)

PROJECT REFERENCE NO. **U-4007A** SHEET NO. **UC-7**

DESIGNED BY: **SBA**
DRAWN BY: **SBA**
CHECKED BY: **CDB**
APPROVED BY: **CDB**

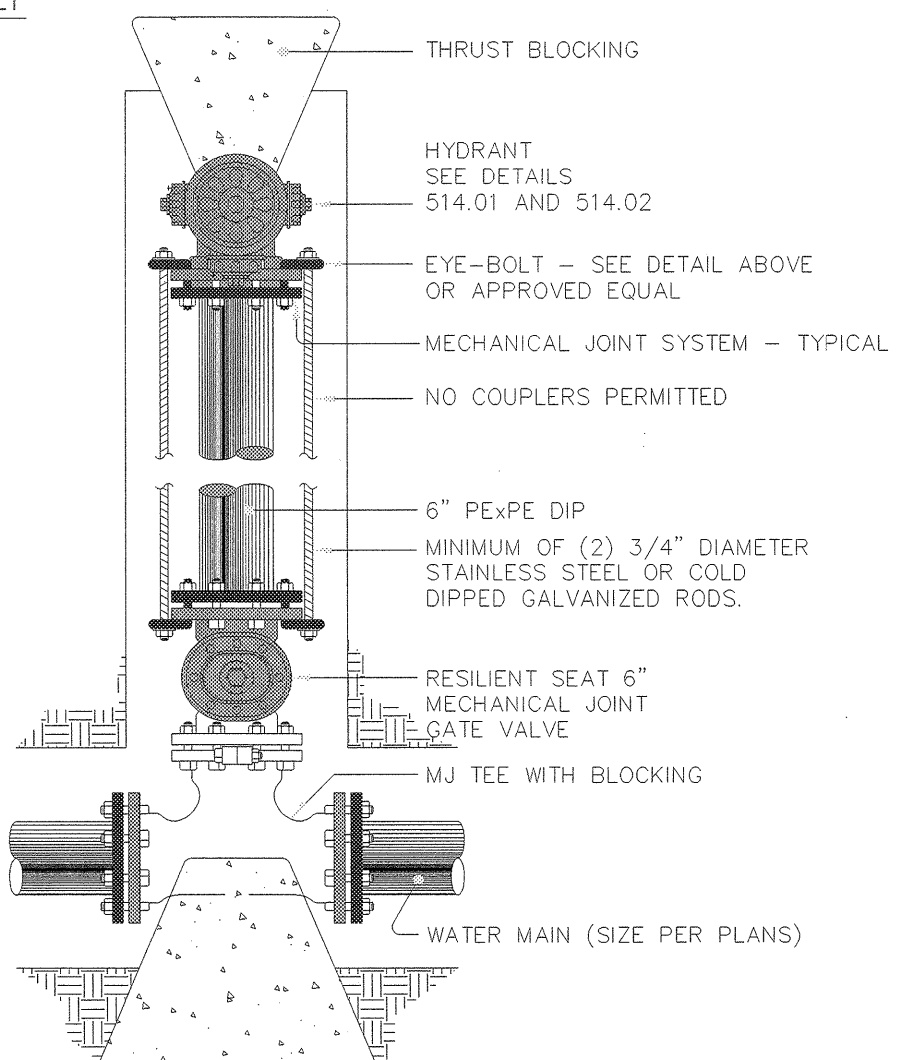
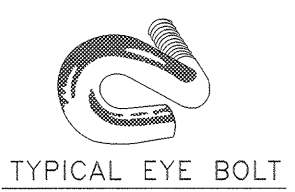
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE: (919) 250-4128
FAX: (919) 250-4119

UTILITY CONSTRUCTION PLANS ONLY

23041
4/27/06
ENGINEER
COREY D. BOUSQUET

UTILITY CONSTRUCTION



NOTES:
1. Restraining rods or clamps for the valve are not required if the pipe section between the valve and hydrant is more than 8 feet long.
2. If distance between valve & hydrant is greater than 8', pipe shall be DIP, blocked and restrained with approved restraint system.

Department of Public Services
P.O. Box 128
Jacksonville, N.C. 28541

CITY of JACKSONVILLE
USE WITH THE JACKSONVILLE STANDARD SPECIFICATIONS ONLY


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SCALE: Not To Scale
DETAIL # 2 of 2
REVISION DATE: June, 2006
SHEET # 1 of 1

ALTERNATE HYDRANT SETTING WITH RESTRAINING RODS

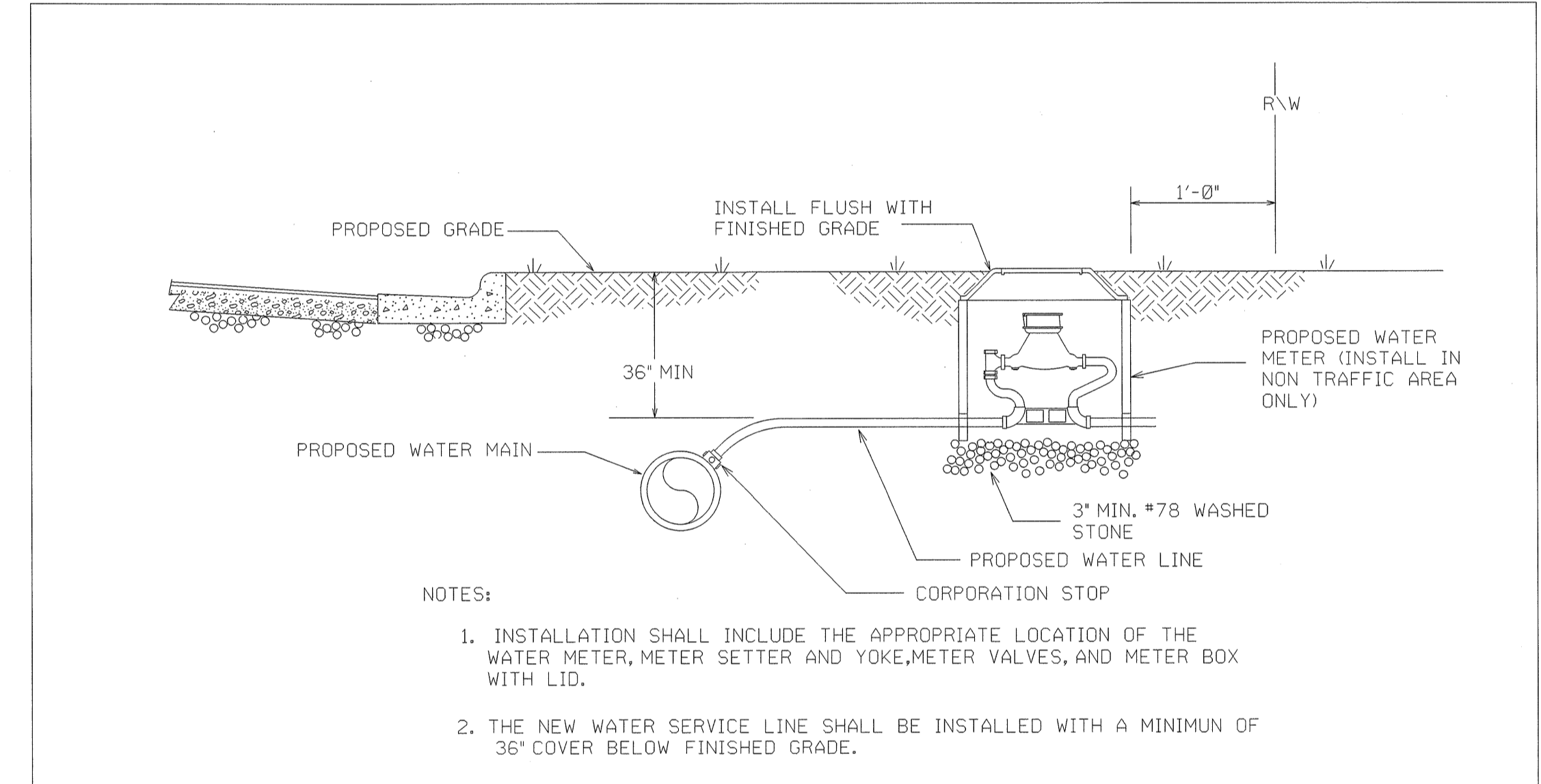
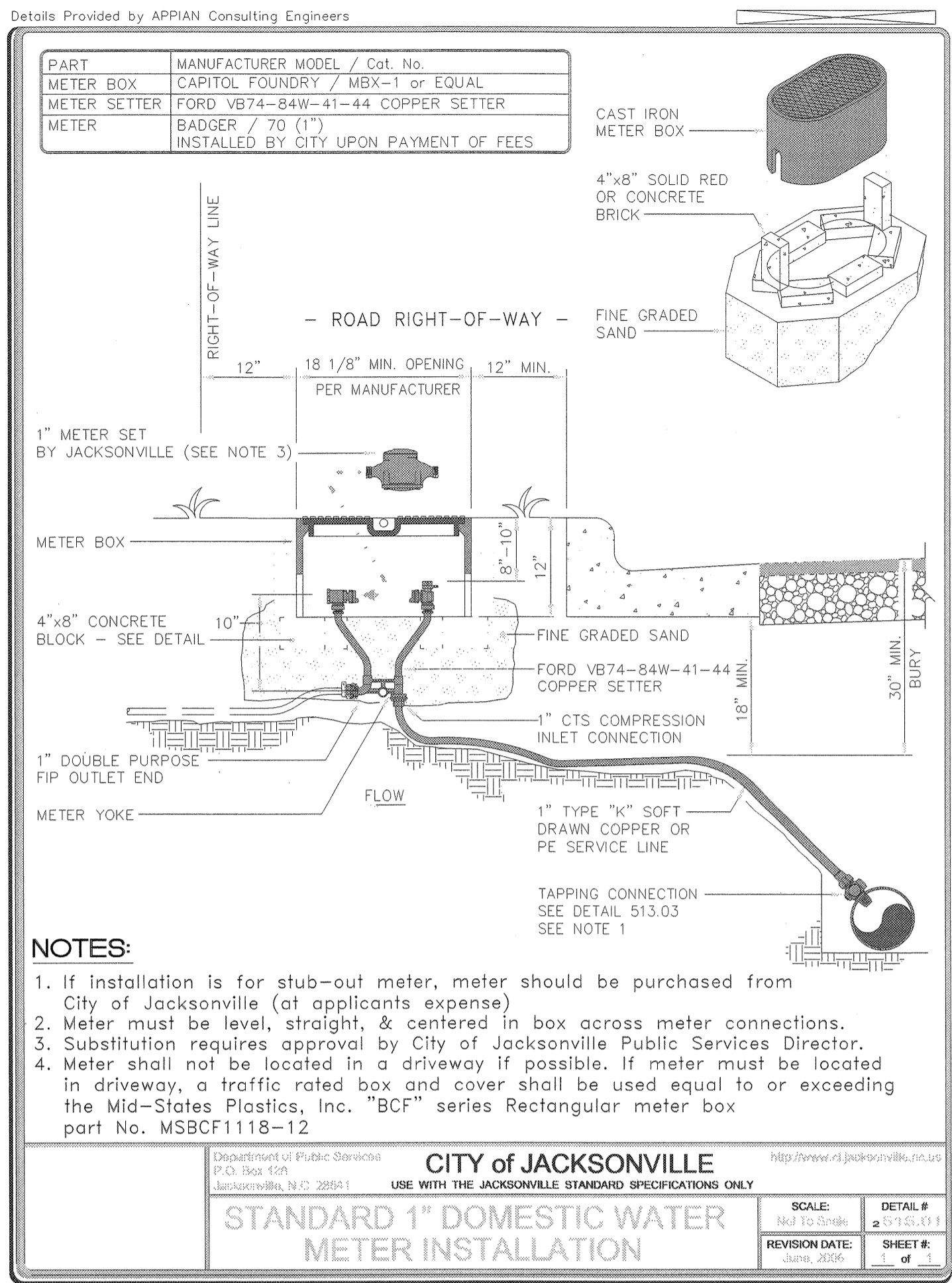
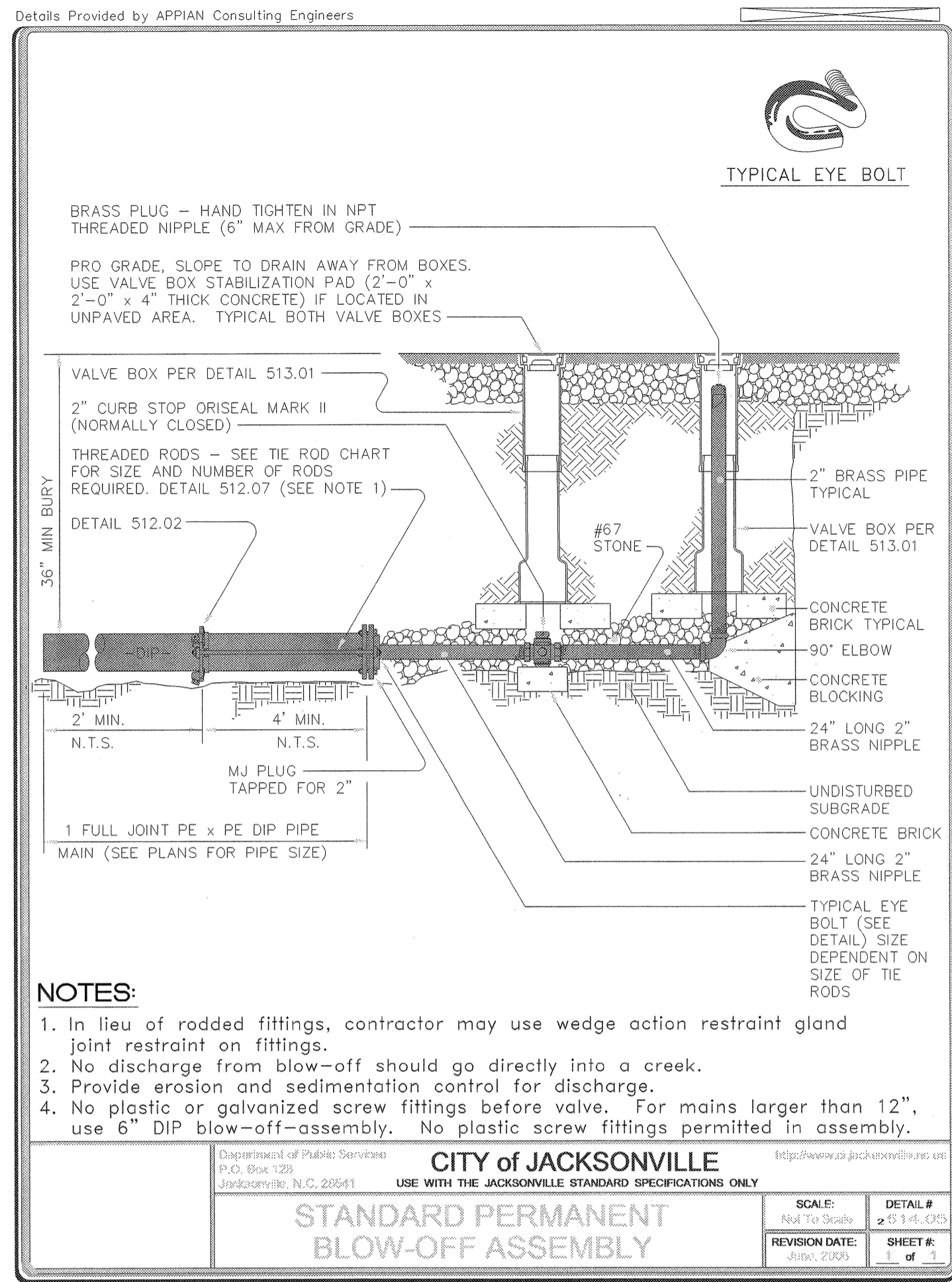
*****SYSTE*****
*****DON*****
*****US*****

DESIGNED BY: SBA
 DRAWN BY: SBA
 CHECKED BY: CDB
 APPROVED BY: CDB
 REVISED:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 UTILITIES ENGINEERING SEC.
 PHONE: (919) 250-4128
 FAX: (919) 250-4119

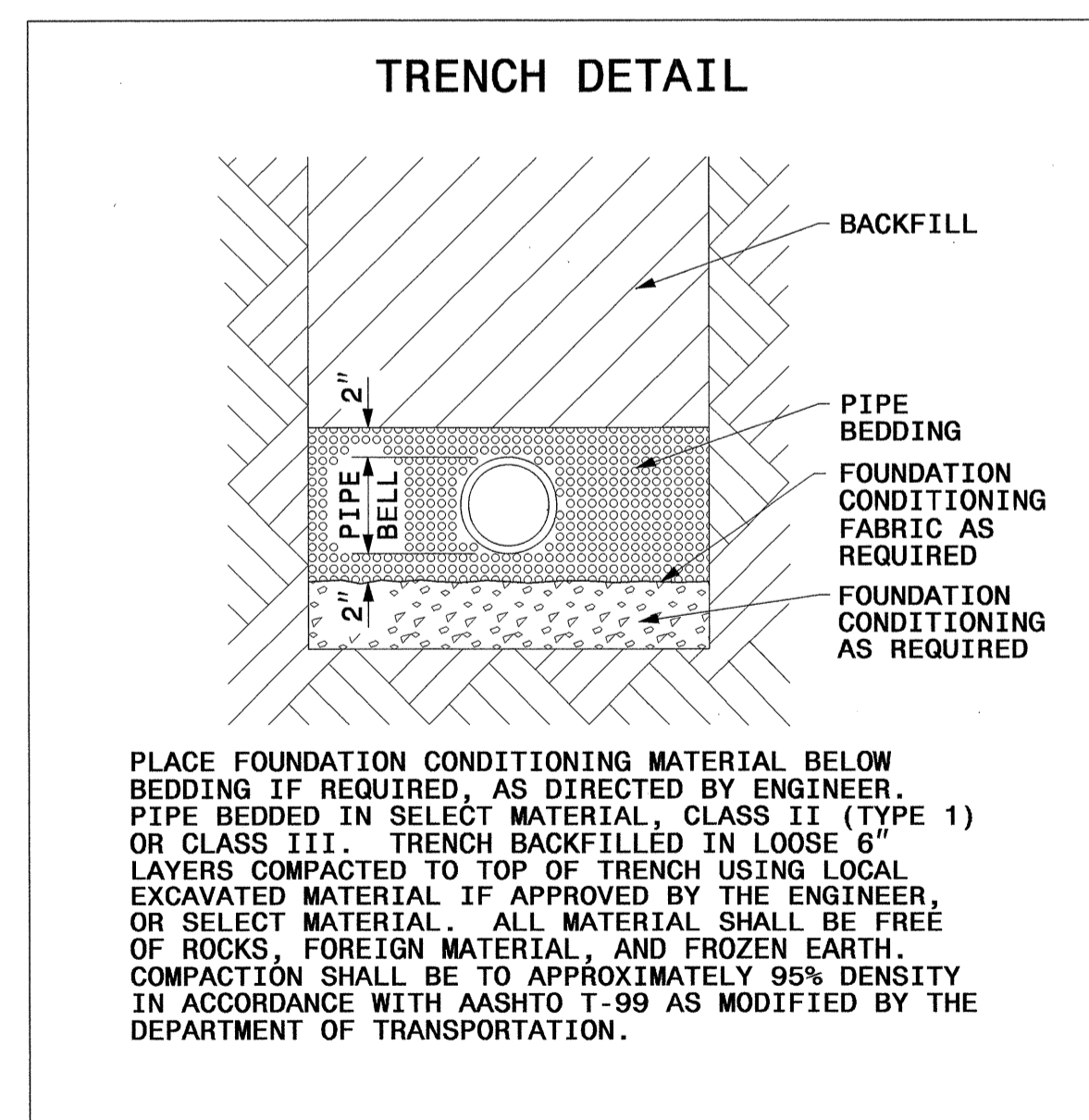


UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



WATER METER INSTALLATION DETAIL



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		

STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES

09/08/99

See Sheet 1-A For Index of Sheets

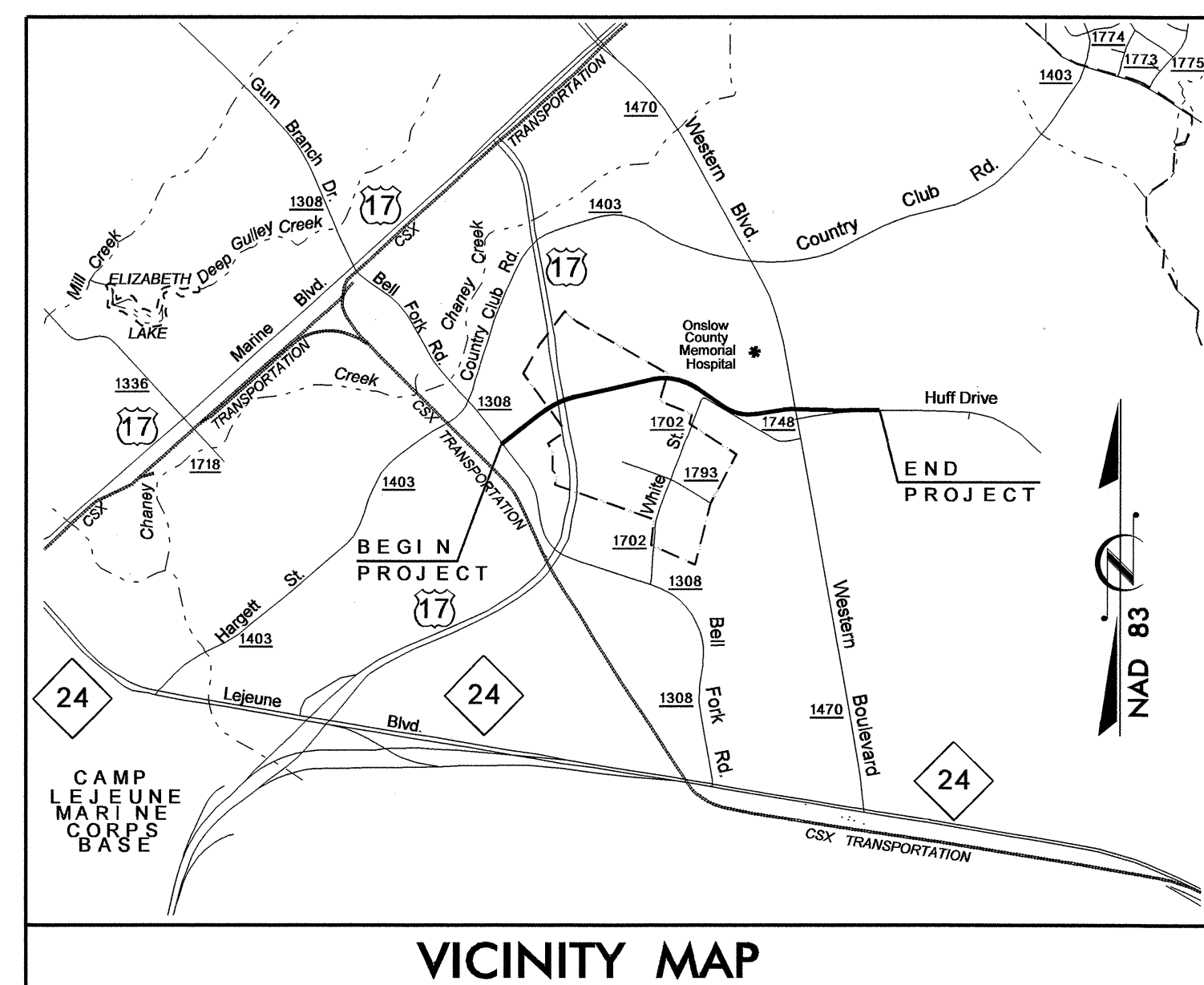
T.I.P. NO.	SHEET NO.
U-4007A	UO-1

TIP PROJECT: U-4007A

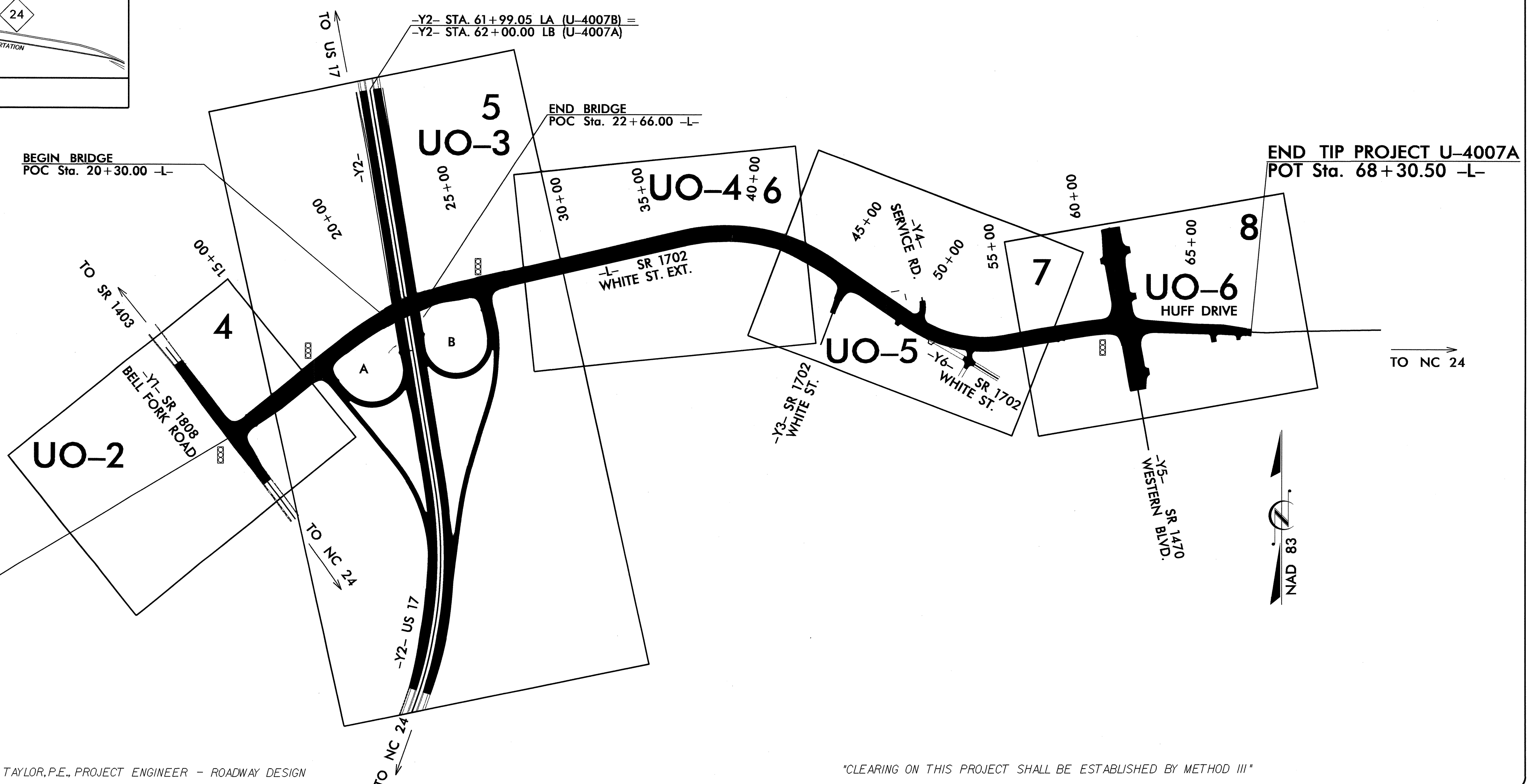
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS
ONslow COUNTY

LOCATION: SR 1702 (WHITE STREET EXTENSION) FROM SR 1808 (BELL FORK ROAD) TO SR 1470 (WESTERN BOULEVARD)
TYPE OF WORK: UTILITY RELOCATION



VICINITY MAP



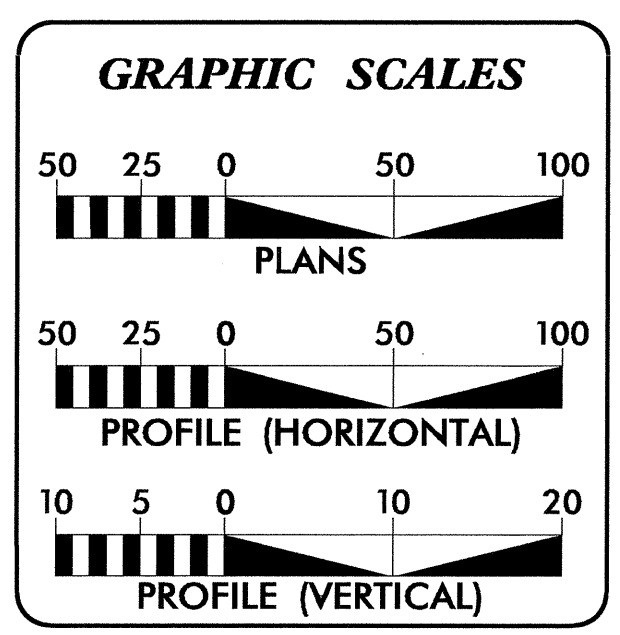
BEGIN TIP PROJECT U-4007A
POT Sta. 10+00.00 -L-

END TIP PROJECT U-4007A
POT Sta. 68+30.50 -L-

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF JACKSONVILLE.

NCDOT CONTACT: DOUG TAYLOR, P.E., PROJECT ENGINEER - ROADWAY DESIGN

"CLEARING ON THIS PROJECT SHALL BE ESTABLISHED BY METHOD III"



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-6	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT	
(1)	CENTURYLINK
(2)	JONES-ONslow EMC
(3)	PIEDMONT NATURAL GAS COMPANY
(4)	PROGRESS ENERGY (DISTRIBUTION)
(5)	PROGRESS ENERGY (TRANSMISSION)
(6)	TIME WARNER CABLE

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

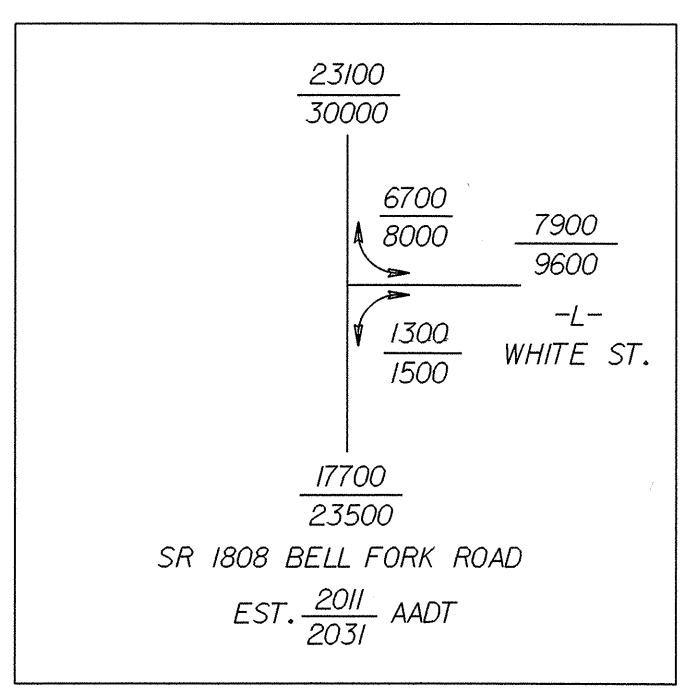
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Stephanie Athey UTILITIES PROJECT DESIGNER

16-MAY-2011 08:50
R:\JIT\files\rdy_uf\Proj\4007a_ut_1sh_uo1.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

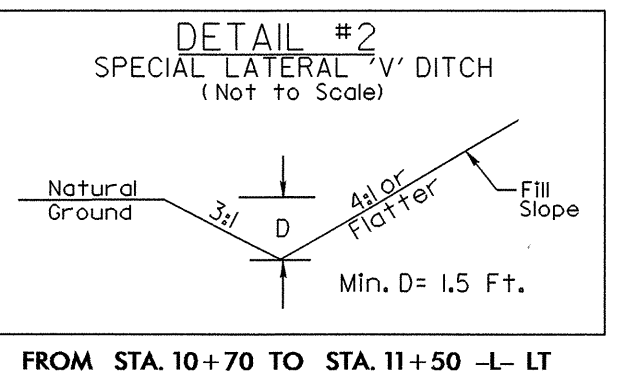
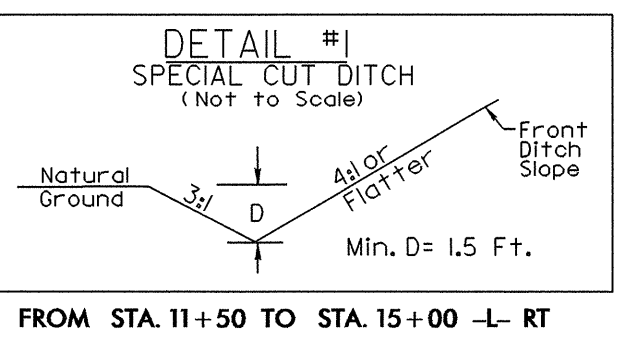
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



WARP GUTTERS
FROM 0.04 AT STA. 12+33 -YI- LT AND RT TO 0.12 AT STA. 12+83 -YI- LT AND RT TO 0.04 AT STA. 13+33 -YI- LT AND RT TO 0.12 AT STA. 14+10 -YI- LT AND RT TO 0.04 AT STA. 14+60 -YI- LT AND RT

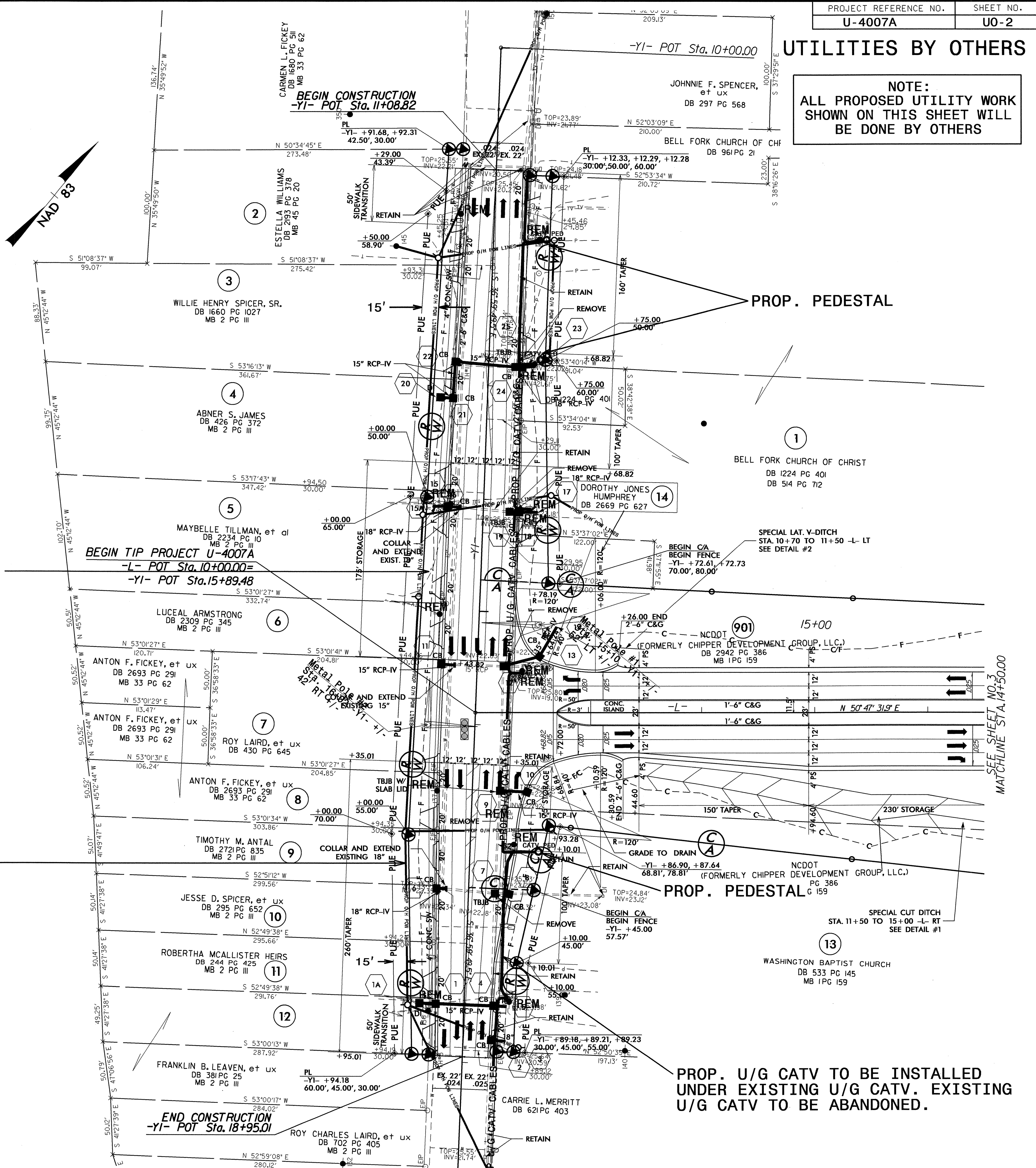
FROM 0.04 AT STA. 14+98 -YI- RT TO 0.12 AT STA. 15+48 -YI- RT TO 0.04 AT STA. 15+98 -YI- RT



U/G TELEPHONE WILL BE ADJUSTED AS NECESSARY

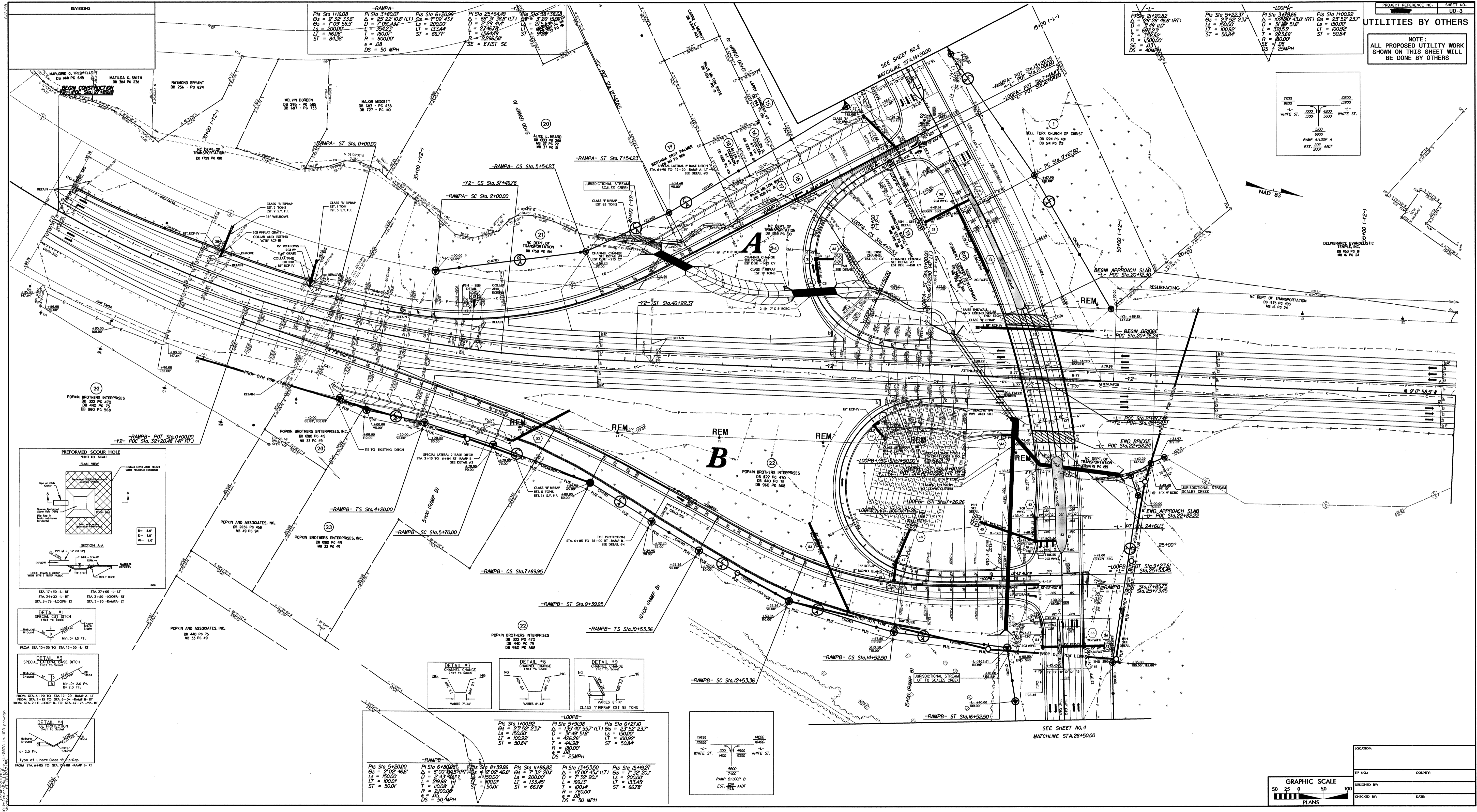
PROP. OVERHEAD POWER LINES

PROP. U/G CATV TO BE INSTALLED UNDER EXISTING U/G CATV. EXISTING U/G CATV TO BE ABANDONED.

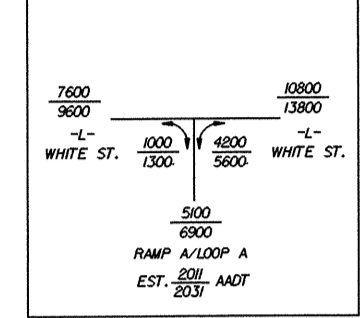


SEE SHEET NO. 3 MATCHLINE STA. 14+50.00

PROJECT REFERENCE NO. SHEET NO. UO-3
UTILITIES BY OTHERS
NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

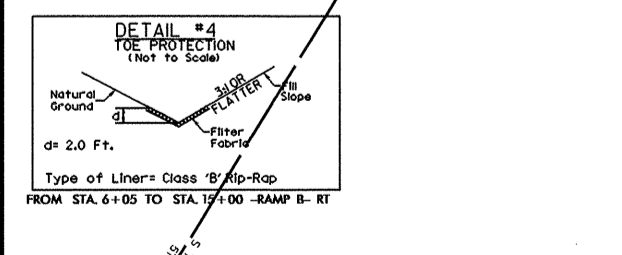
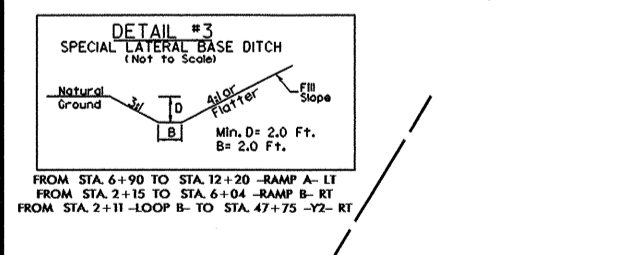
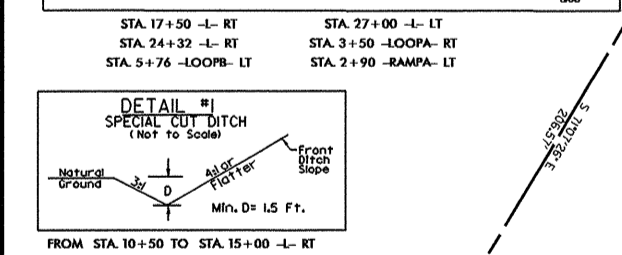
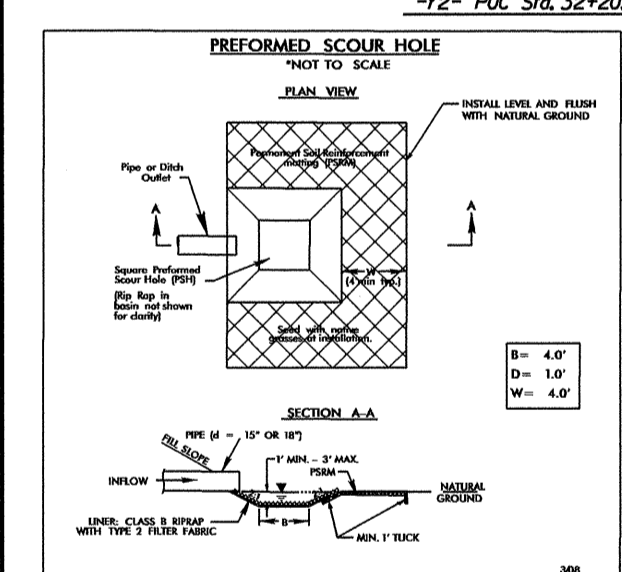


Loop	Stationing	PI	GA	LS	LT	ST	DS
Loop A	Sta. 11+22.37	11.2237	23.52	23.52	100.00	50.84	50 MPH
Loop B	Sta. 14+00.00	14.0000	23.52	23.52	100.00	50.84	50 MPH
Loop C	Sta. 17+00.00	17.0000	23.52	23.52	100.00	50.84	50 MPH

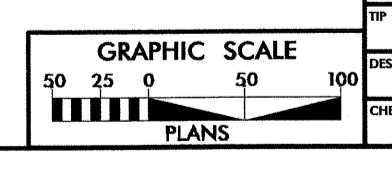
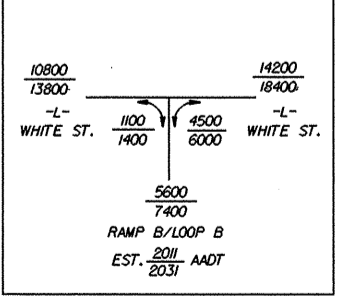


REVISIONS

No.	Description	Date
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Ramp	Stationing	PI	GA	LS	LT	ST	DS
Ramp A	Sta. 6+00.00	6.0000	23.52	23.52	100.00	50.84	50 MPH
Ramp B	Sta. 10+53.36	10.5336	23.52	23.52	100.00	50.84	50 MPH
Ramp C	Sta. 14+52.50	14.5250	23.52	23.52	100.00	50.84	50 MPH
Ramp D	Sta. 18+50.00	18.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp E	Sta. 22+50.00	22.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp F	Sta. 26+50.00	26.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp G	Sta. 30+50.00	30.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp H	Sta. 34+50.00	34.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp I	Sta. 38+50.00	38.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp J	Sta. 42+50.00	42.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp K	Sta. 46+50.00	46.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp L	Sta. 50+50.00	50.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp M	Sta. 54+50.00	54.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp N	Sta. 58+50.00	58.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp O	Sta. 62+50.00	62.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp P	Sta. 66+50.00	66.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp Q	Sta. 70+50.00	70.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp R	Sta. 74+50.00	74.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp S	Sta. 78+50.00	78.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp T	Sta. 82+50.00	82.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp U	Sta. 86+50.00	86.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp V	Sta. 90+50.00	90.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp W	Sta. 94+50.00	94.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp X	Sta. 98+50.00	98.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp Y	Sta. 102+50.00	102.5000	23.52	23.52	100.00	50.84	50 MPH
Ramp Z	Sta. 106+50.00	106.5000	23.52	23.52	100.00	50.84	50 MPH



LOCATION: _____

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-
PI Sta 41+04.58
 $\Delta = 47^{\circ}09'01.3" (RT)$
 $D = 5^{\circ}43'46.5"$
 $L = 822.93'$
 $T = 436.37'$
 $R = 1,000.00'$
 $SE = 0.35$
 $DS = 40MPH$

NAD 83

ONSLow MEMORIAL HOSPITAL FOUNDATION, INC.
DB 1041 PG 351

CAROLINA POWER & LIGHT COMPANY
DB 953 PG 559

POPKIN BROTHERS INTERPRISES
DB 322 PG 470
DB 440 PG 75
DB 960 PG 568

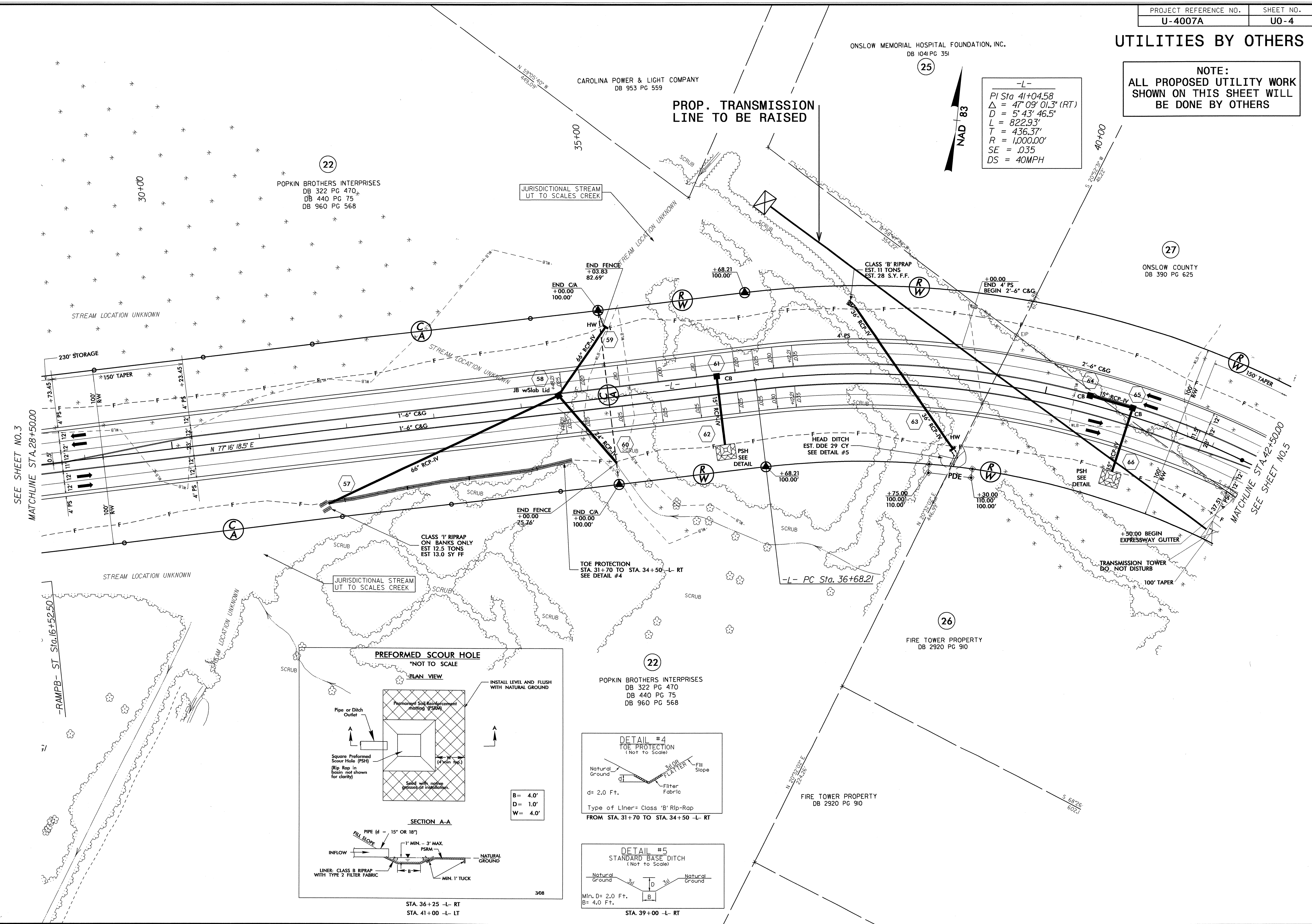
ONSLow COUNTY
DB 390 PG 625

FIRE TOWER PROPERTY
DB 2920 PG 910

POPKIN BROTHERS INTERPRISES
DB 322 PG 470
DB 440 PG 75
DB 960 PG 568

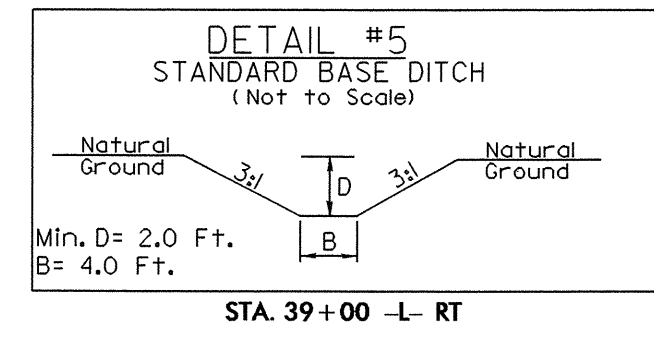
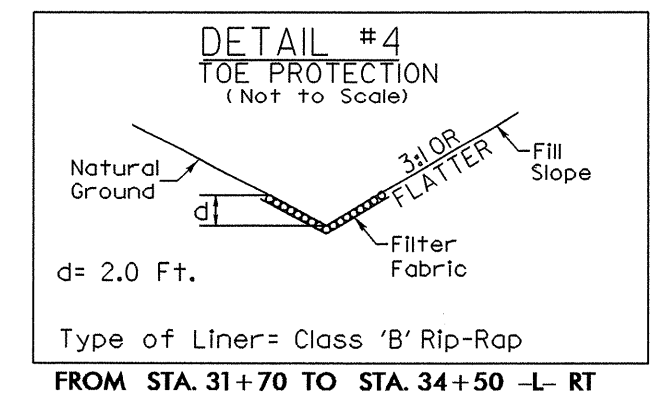
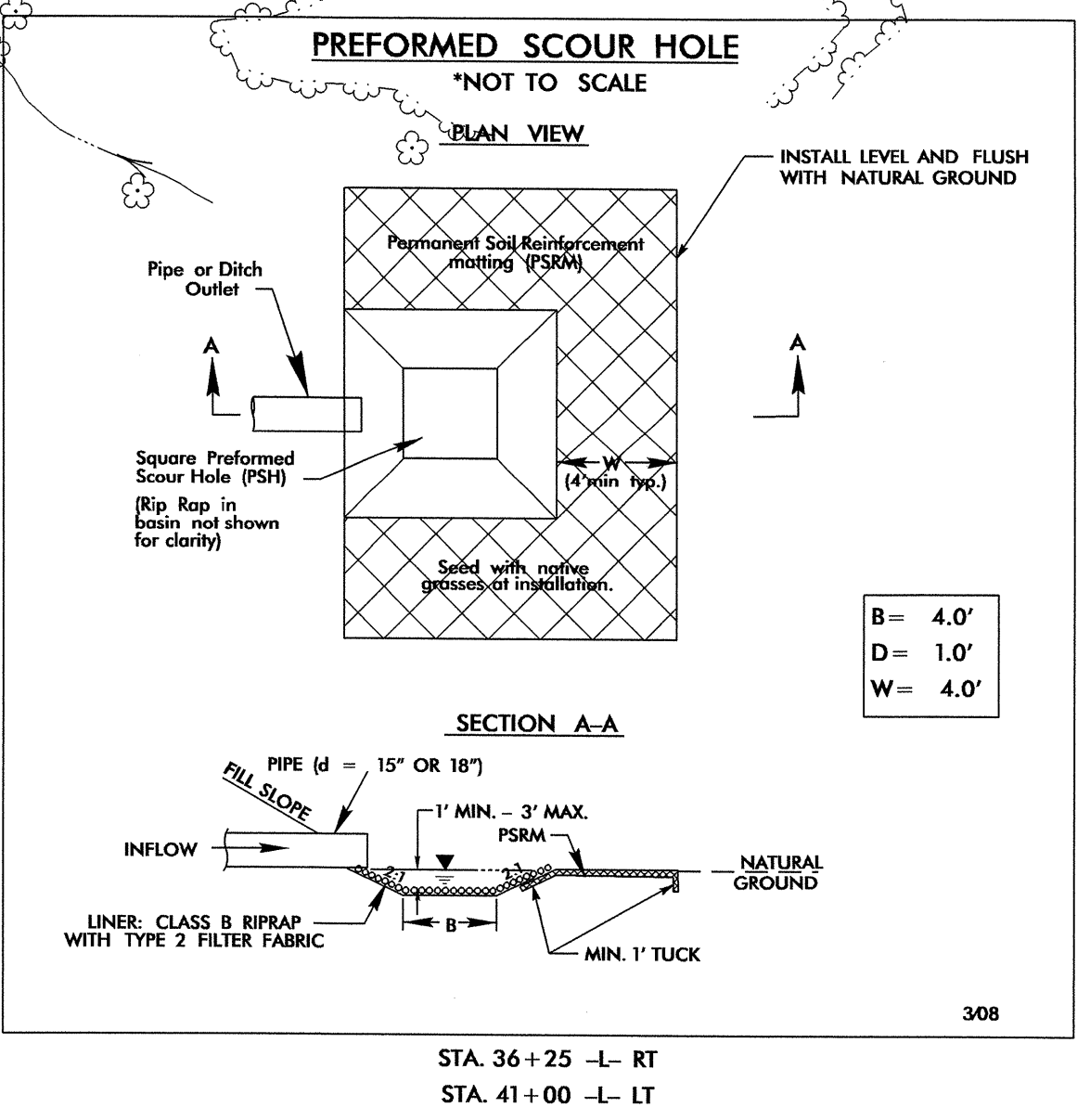
FIRE TOWER PROPERTY
DB 2920 PG 910

PROP. TRANSMISSION
LINE TO BE RAISED



SEE SHEET NO. 3
MATCHLINE STA. 28+50.00

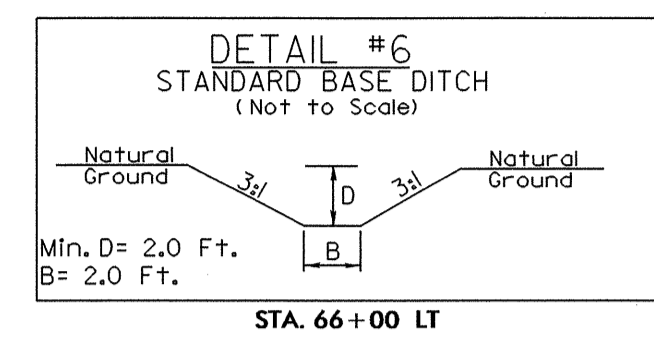
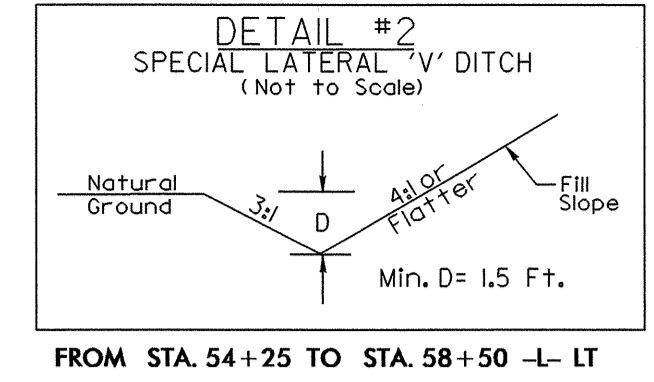
MATCHLINE STA. 42+50.00
SEE SHEET NO. 5



5/14/99
05-APR-2011 14:42
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308

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



-L-
PI Sta 69+13.39
Δ = 5' 13' 56.5" (LT)
D = 12' 47' 50.0"
L = 40.89'
T = 20.46'
R = 447.72'



LOCATE ALL EXISTING UTILITIES IN VICINITY OF POWER POLES PRIOR TO INSTALLATION TO AVOID DAMAGING EXISTING UNDERGROUND UTILITIES

PROP. GAS LINE TO BE INSTALLED UNDER EXISTING GAS LINE FROM STA. 10+07 TO STA. 18+72

SEE SHEET NO. 5
MATCHLINE STA. 56+50.00

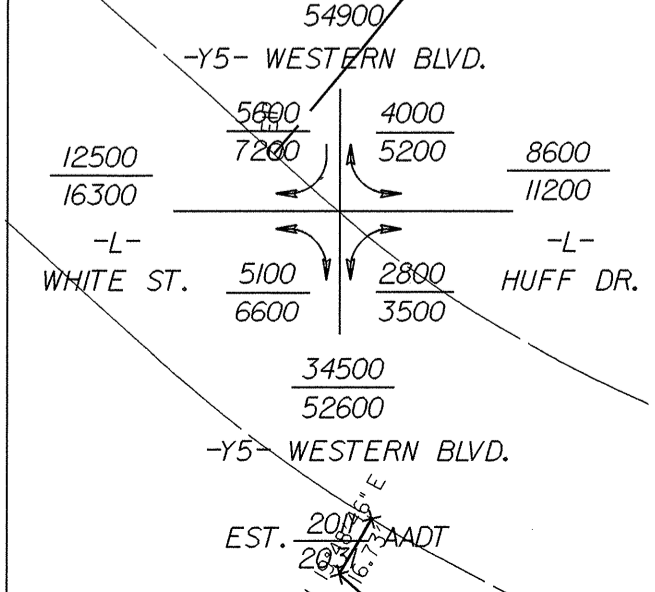
27 ONSLow COUNTY DB 390 PG 625

-L-
PI Sta 52+77.32
Δ = 43' 36' 18.8" (LT)
D = 8' 11' 06.4"
L = 532.74'
T = 280.02'
SE .04
DS = 40MPH

MID ATLANTIC BBO, LLC DB 1749 PG DB 23 PG 27

SPECIAL LAT. V-DITCH STA. 54+25 TO 58+50 -L- LT SEE DETAIL #2

29 ONSLow WOMEN'S CENTER, INC. DB 1888 PG 734 MB 43 PG 76



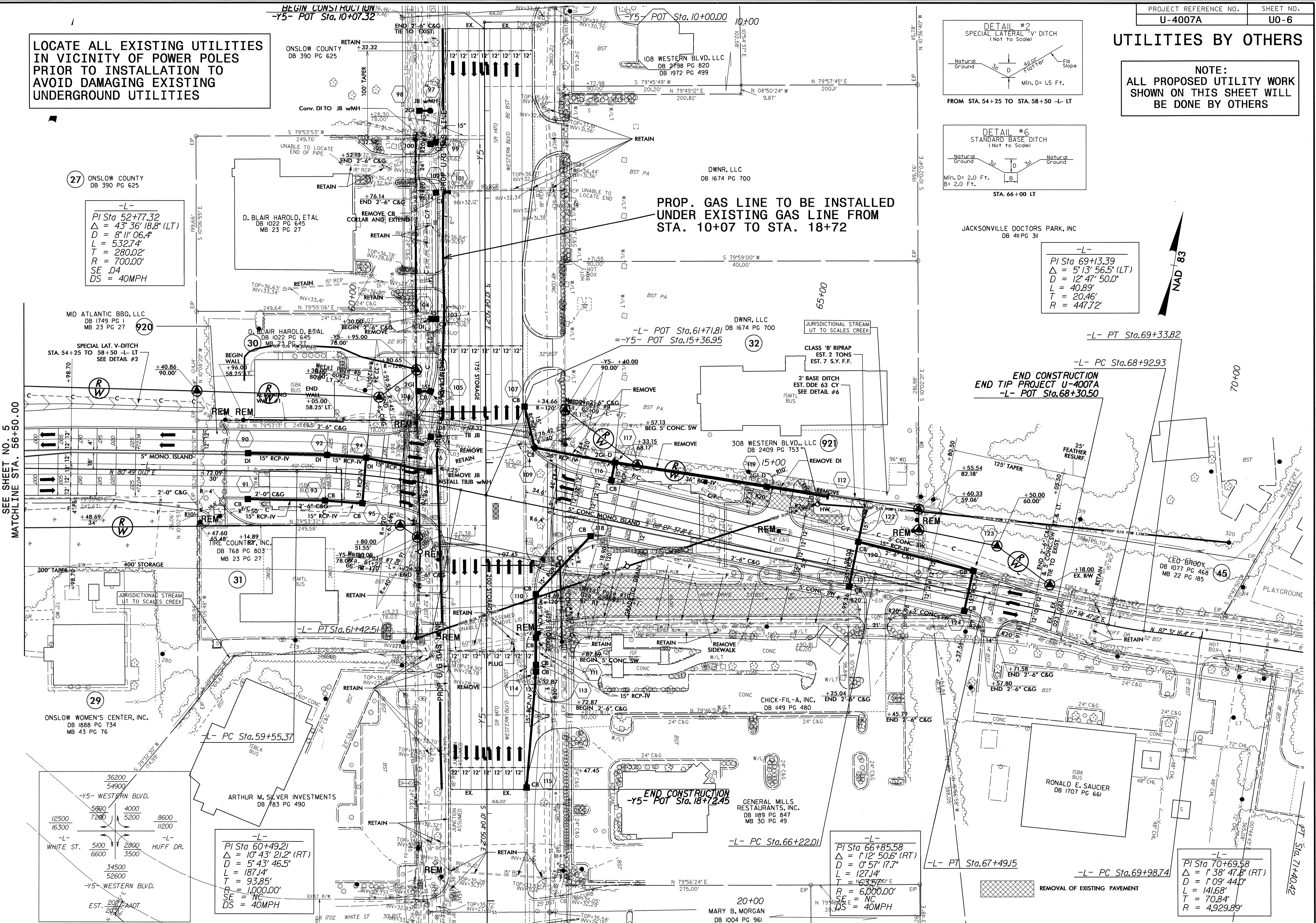
-L-
PI Sta 60+49.21
Δ = 10' 43' 21.2" (RT)
D = 5' 43' 46.5"
L = 187.14'
T = 93.85'
SE = NC
DS = 40MPH

-L-
PI Sta 66+85.58
Δ = 1' 12' 50.6" (RT)
D = 0' 57' 17.7"
L = 127.14'
T = 63.570'
R = 6,000.00'
SE = NC
DS = 40MPH

-L-
PI Sta 70+69.58
Δ = 1' 38' 47.8" (RT)
D = 1' 09' 44.0"
L = 141.68'
T = 70.84'
R = 4,929.89'

END CONSTRUCTION
END TIP PROJECT U-4007A
-L- POT Sta.68+30.50

END CONSTRUCTION
-Y5- POT Sta.18+72.45



05-APR-2011 14:43 R:\Utilities\U006\U-4007A-Ut_U06_psh.dgn