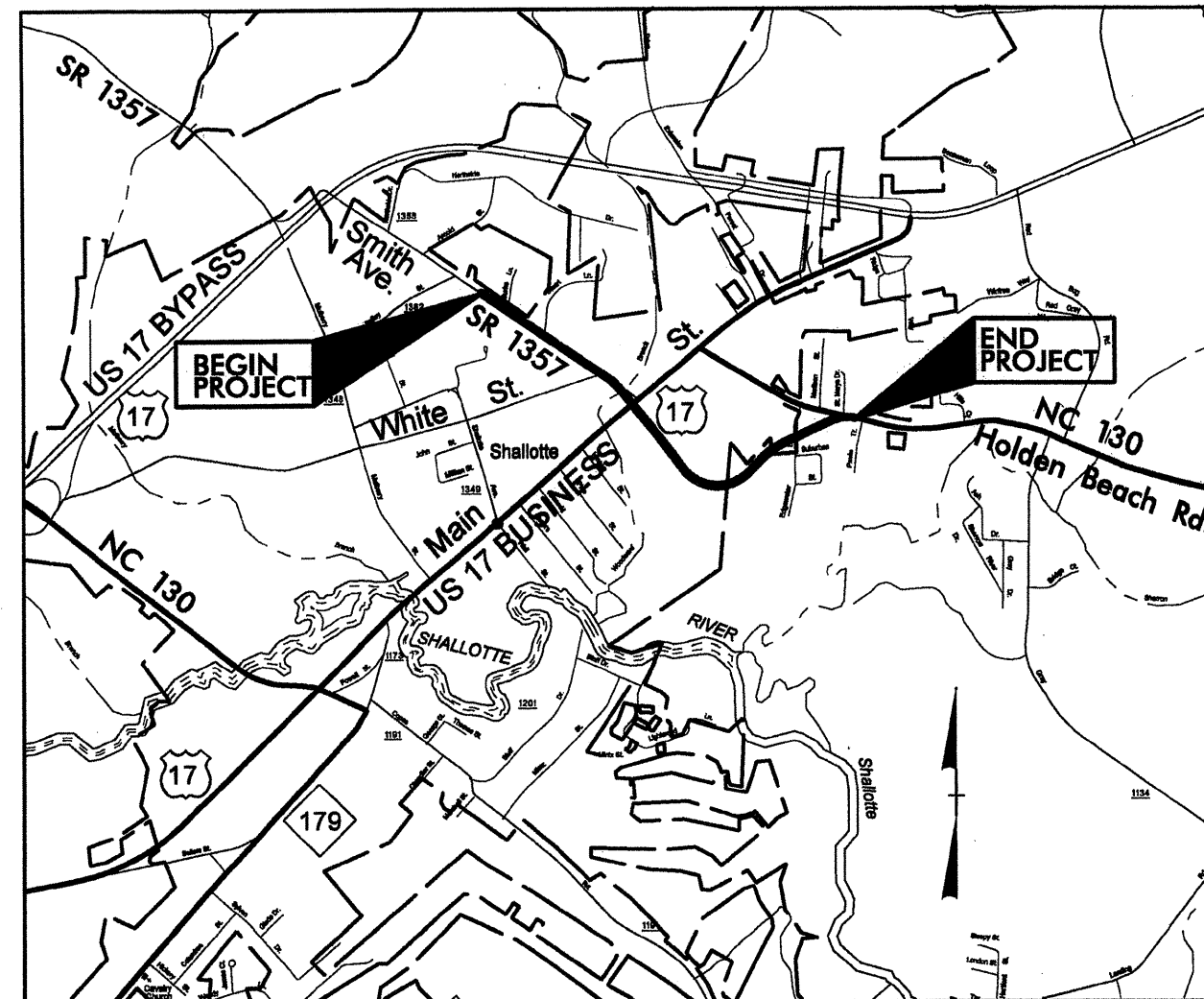


TIP PROJECT: U-3462

CONTRACT:

See Sheet 1-A For Index of Sheets



VICINITY MAP

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF SHALLOTTE

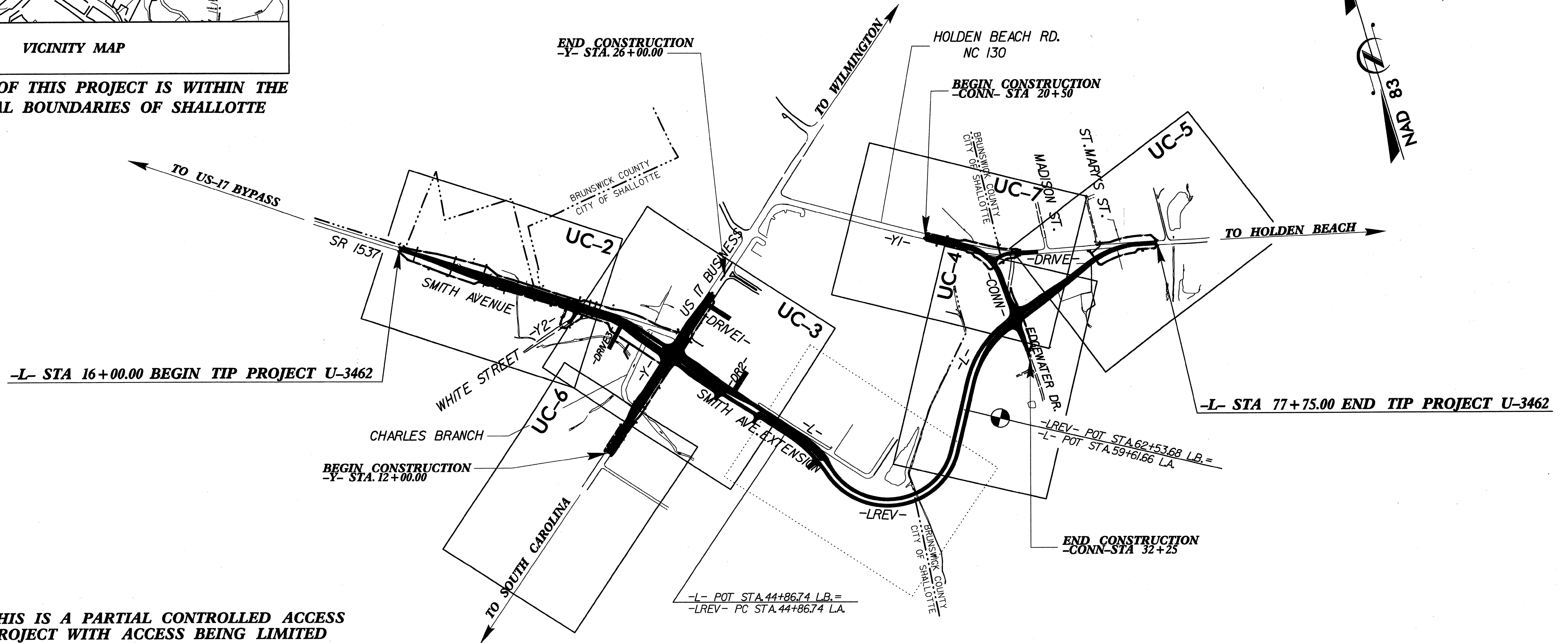
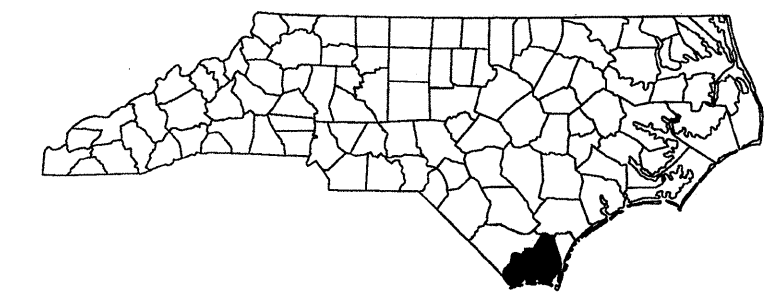
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BRUNSWICK COUNTY

LOCATION: EXTENSION OF SR 1357 FROM WEST OF
US 17 BUSINESS TO NC 130 IN SHALLOTTE

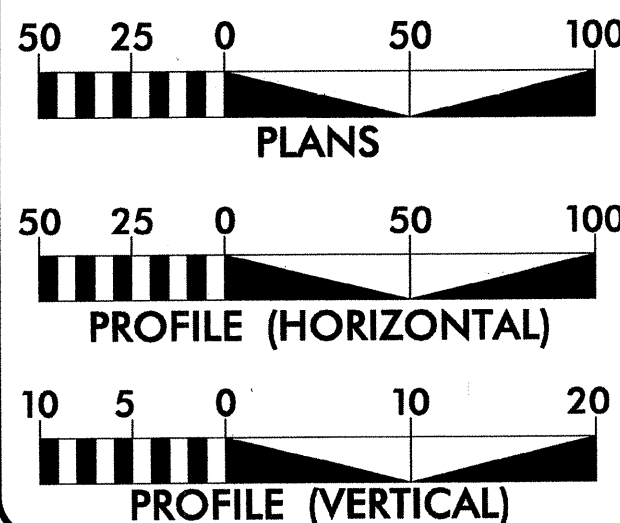
TYPE OF WORK: UTILITIES RELOCATION

T.I.P. NO.	SHEET NO.
U-3462	UC-1



NOTE: THIS IS A PARTIAL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS AS SHOWN ON THE PLANS

GRAPHIC SCALES



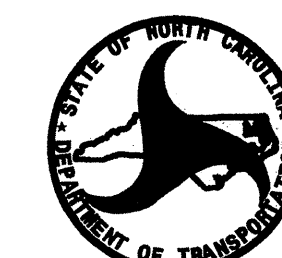
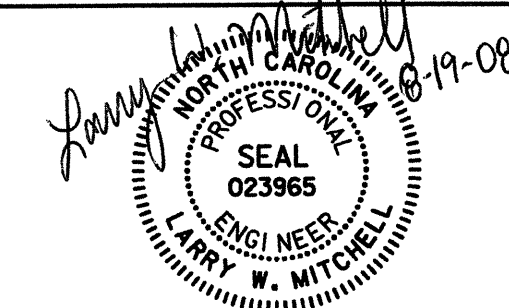
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 thru UC-7	UTILITY CONSTRUCTION PLAN SHEET(S)
UC-8 thru UC-9	PROFILE SHEET(S)
UC-10 thru UC-11	DETAIL SHEET(S)

WATER AND SEWER OWNERS ON PROJECT

- (1) TOWN OF SHALLOTTE (WATER AND SEWER)
- (2) BRUNSWICK COUNTY (WATER)

EarthTech
A Tyco International Ltd. Company
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)



FOR:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION
1591 MAIL SERVICES CENTER
RALEIGH, NC 27609-4591
PHONE (919) 259-4128
FAX (919) 259-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
James S. McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Earth Tech, Inc. UTILITIES PROJECT DESIGNER

ALL WATER LINES AND SEWER LINES SHOWN ON THIS SHEET ARE OWNED BY THE TOWN OF SHALLOTTE

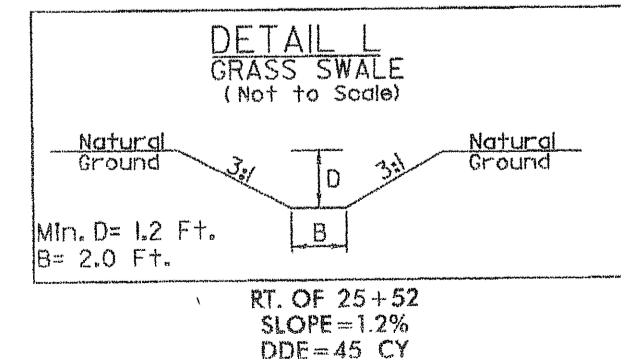
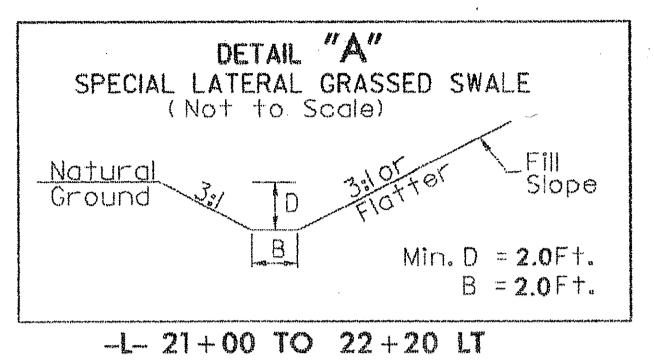
NOTE: THE CONTRACTOR MUST COORDINATE ALL WORK DONE TO COUNTY LINES WITH BRUNSWICK COUNTY

NOTE: THE CONTRACTOR SHALL LIMIT INTERRUPTION OF WATER AND SEWER SERVICES TO A ONE TIME MAXIMUM 4 HOURS PERIOD FOR EACH.

SEE UC-10, UC-11 FOR RELOCATION & RECONNECT WATER METER AND FIRE HYDRANT DETAILS.

NOTE: THE CONTRACTOR SHALL RECONNECT ANY EXISTING SEWER SERVICES NOT SHOWN ON PLANS TO THE NEW FORCE MAIN SEWER. QUANTITY OF RECONNECT SEWER SERVICE HAS BEEN ADDED TO QUANTITIES TO FACILITATE THIS PROCEDURE.

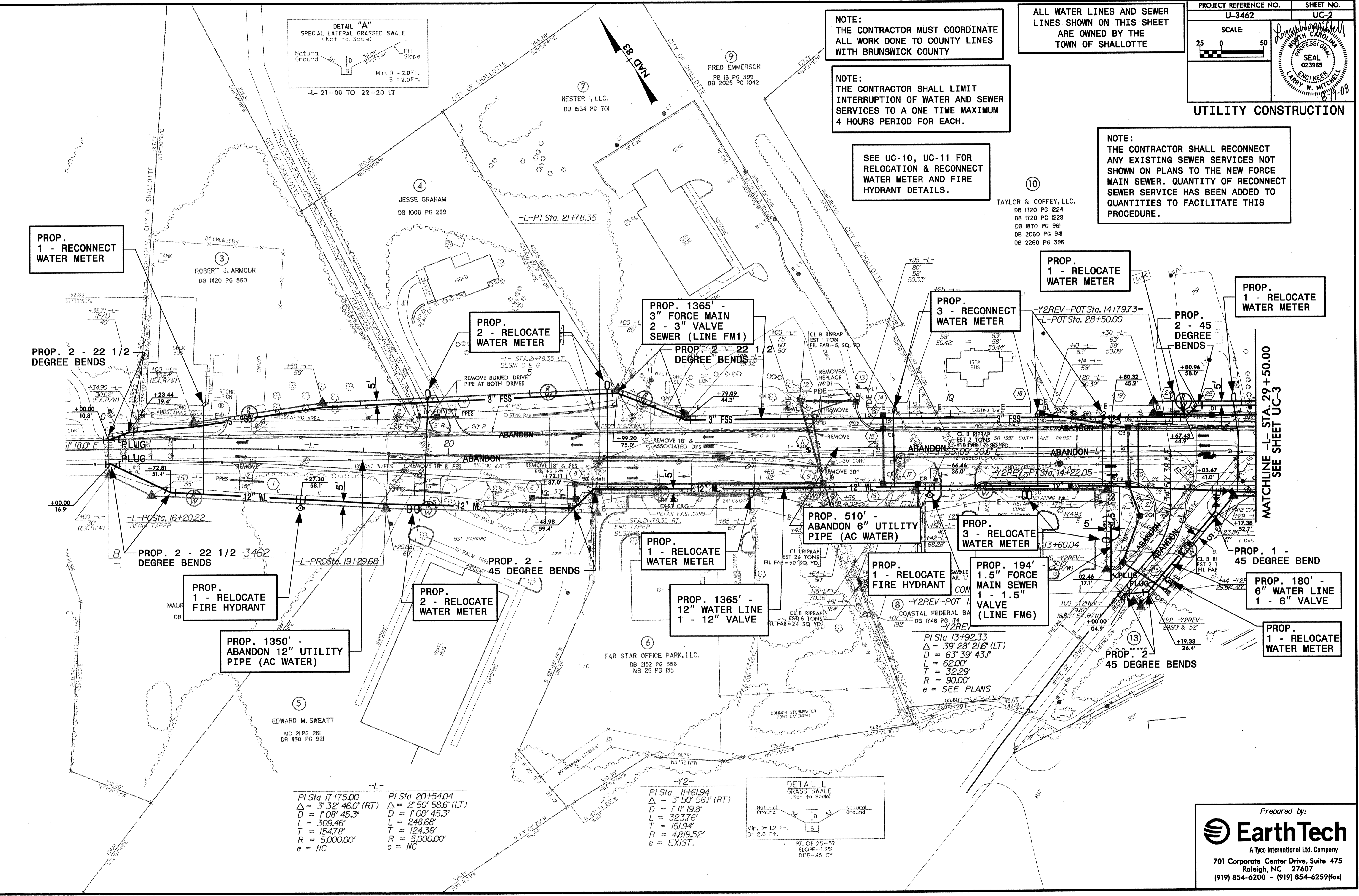
10
TAYLOR & COFFEY, LLC.
DB 1720 PG 1224
DB 1720 PG 1228
DB 1870 PG 961
DB 2060 PG 941
DB 2260 PG 396



-L-
PI Sta 17+75.00
 $\Delta = 3' 32' 46.0''$ (RT)
D = 1' 08' 45.3"
L = 309.46'
T = 154.78'
R = 5,000.00'
e = NC

-L-
PI Sta 20+54.04
 $\Delta = 2' 50' 58.6''$ (LT)
D = 1' 08' 45.3"
L = 248.68'
T = 124.36'
R = 5,000.00'
e = NC

-Y2-
PI Sta 11+61.94
 $\Delta = 3' 50' 56.1''$ (RT)
D = 1' 11' 19.8"
L = 323.76'
T = 161.94'
R = 4,819.52'
e = EXIST.

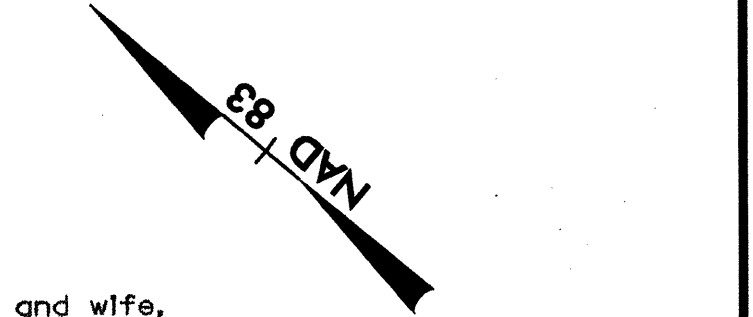


MATCHLINE -L- STA. 29 + 50.00
SEE SHEET UC-3

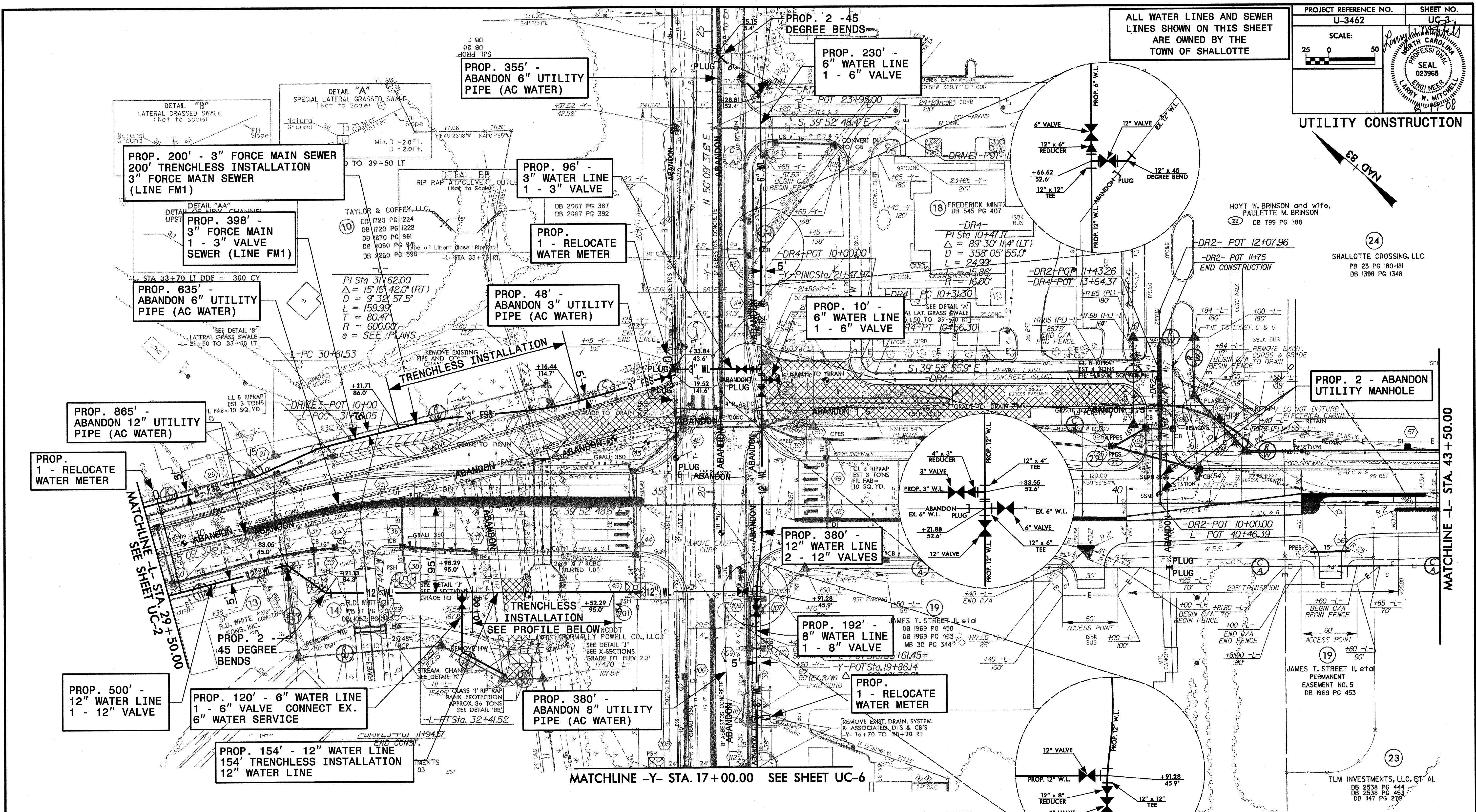
USER: jay@earthtech.com
 DATE: 8/24/2008
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ALL WATER LINES AND SEWER LINES SHOWN ON THIS SHEET ARE OWNED BY THE TOWN OF SHALLOTTE

UTILITY CONSTRUCTION



HOYT W. BRINSON and wife, PAULETTE M. BRINSON
 DB 799 PG 788
 SHALLOTTE CROSSING, LLC
 PB 23 PG 180-181
 DB 1398 PG 1348



DETAIL "A" SPECIAL LATERAL GRASSED SWALE (Not to Scale)
 Min. D = 2.0' F.
 B = 2.0' F.

DETAIL "B" LATERAL GRASSED SWALE (Not to Scale)

PROP. 200' - 3" FORCE MAIN SEWER
 200' TRENCHLESS INSTALLATION
 3" FORCE MAIN SEWER (LINE FM1)

PROP. 398' - 3" FORCE MAIN
 1 - 3" VALVE SEWER (LINE FM1)

PROP. 635' - ABANDON 6" UTILITY PIPE (AC WATER)

PROP. 865' - ABANDON 12" UTILITY PIPE (AC WATER)

PROP. 1 - RELOCATE WATER METER

PROP. 500' - 12" WATER LINE
 1 - 12" VALVE

PROP. 120' - 6" WATER LINE
 1 - 6" VALVE CONNECT EX. 6" WATER SERVICE

PROP. 154' - 12" WATER LINE
 154' TRENCHLESS INSTALLATION
 12" WATER LINE

PROP. 355' - ABANDON 6" UTILITY PIPE (AC WATER)

PROP. 96' - 3" WATER LINE
 1 - 3" VALVE

PROP. 1 - RELOCATE WATER METER

PROP. 48' - ABANDON 3" UTILITY PIPE (AC WATER)

PROP. 2 - 45 DEGREE BENDS
 PROP. 230' - 6" WATER LINE
 1 - 6" VALVE

PROP. 10' - 6" WATER LINE
 1 - 6" VALVE

PROP. 380' - 12" WATER LINE
 2 - 12" VALVES

PROP. 192' - 8" WATER LINE
 1 - 8" VALVE

PROP. 1 - RELOCATE WATER METER

PROP. 380' - ABANDON 8" UTILITY PIPE (AC WATER)

PROP. 2 - ABANDON UTILITY MANHOLE

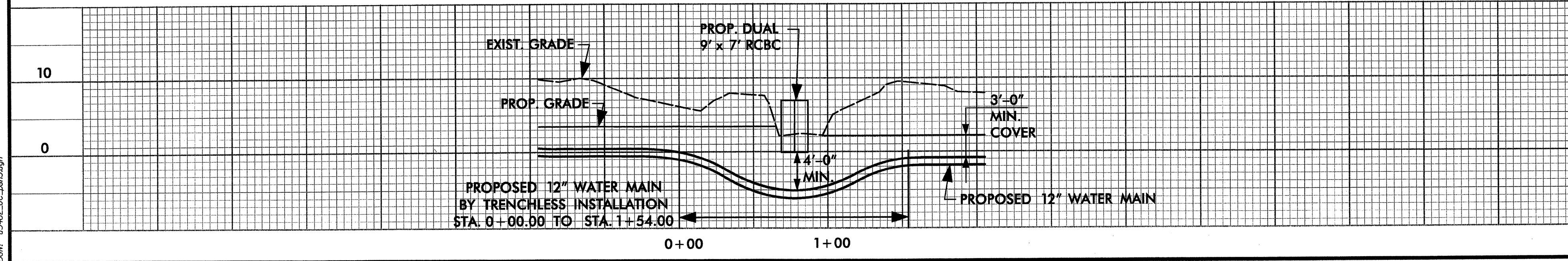
JAMES T. STREET II, et al
 DB 1969 PG 458
 DB 1969 PG 453
 MB 30 PG 344

TLM INVESTMENTS, LLC, ET AL
 DB 2538 PG 444
 DB 2538 PG 453
 DB 1147 PG 279

MATCHLINE -Y- STA. 17+00.00 SEE SHEET UC-6

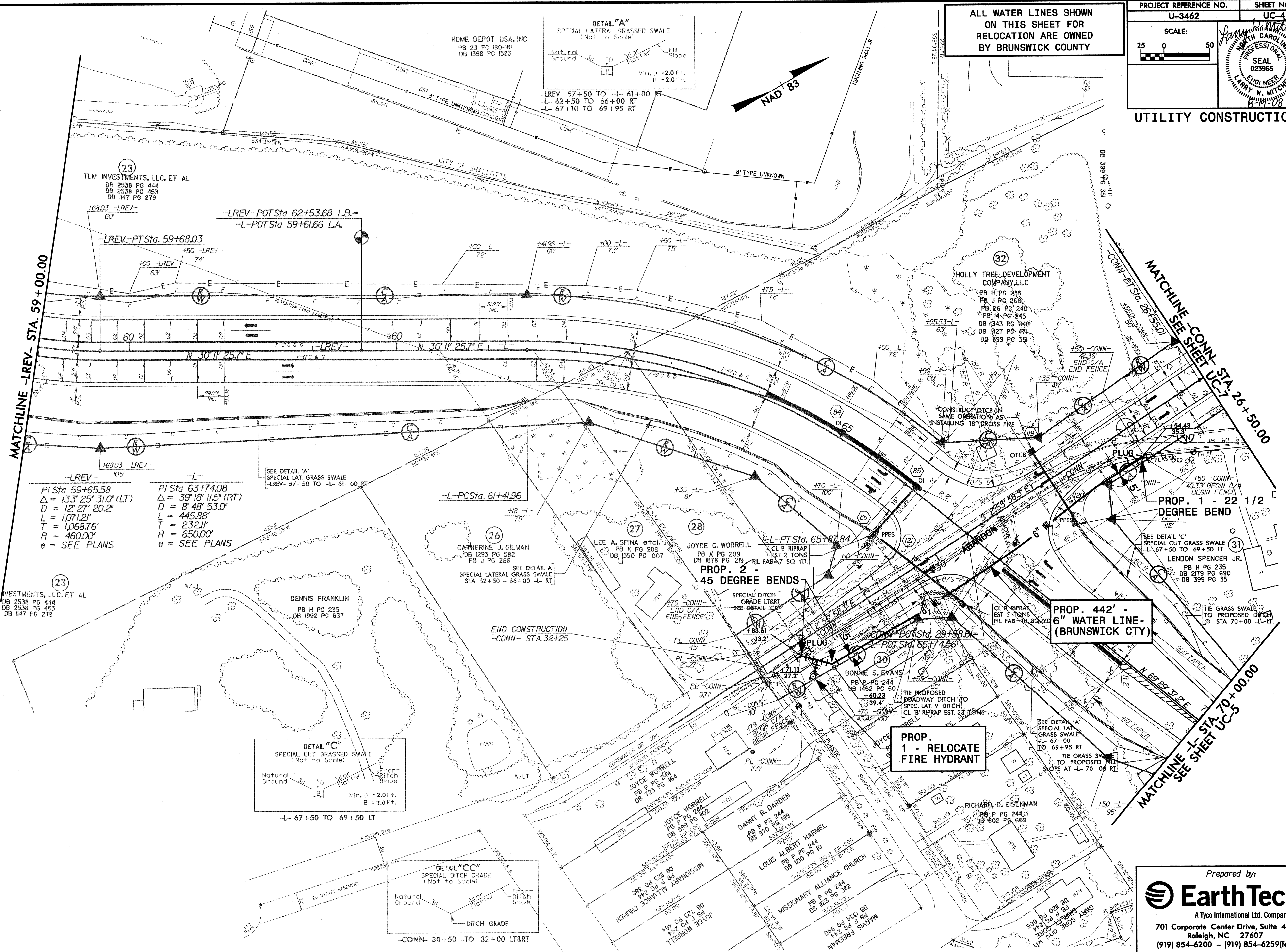
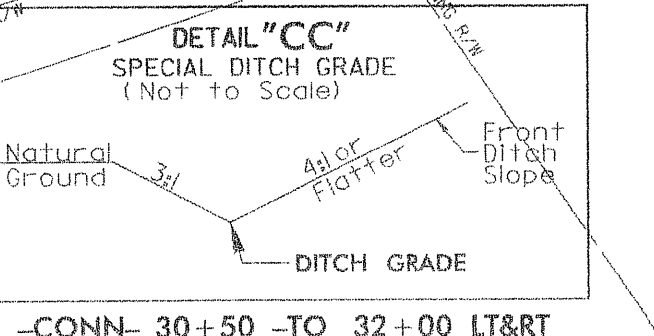
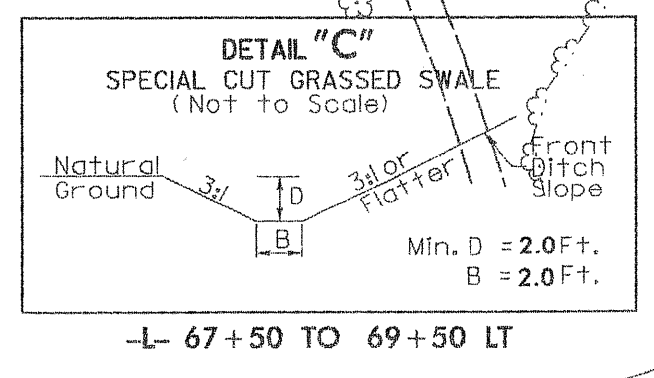
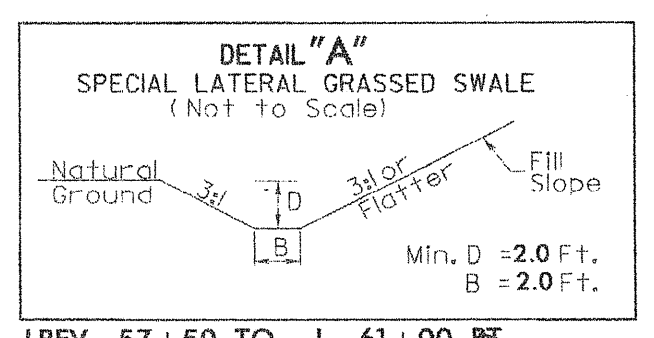
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 SEE SHEET UC-2

MATCHLINE -L- STA. 43+50.00



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ALL WATER LINES SHOWN ON THIS SHEET FOR RELOCATION ARE OWNED BY BRUNSWICK COUNTY



MATCHLINE -LREV- STA. 59+00.00

MATCHLINE -CONN- STA. 26+50.00

MATCHLINE -L- STA. 70+00.00

-LREV- 105'
PI Sta 59+65.58
Δ = 133° 25' 31.0" (LT)
D = 12' 27" 20.2"
L = 1,071.21'
T = 1,068.76'
R = 460.00'
e = SEE PLANS

-L-
PI Sta 63+74.08
Δ = 39° 18' 11.5" (RT)
D = 8' 48" 53.0"
L = 445.88'
T = 232.11'
R = 650.00'
e = SEE PLANS

PROP. 2 - 45 DEGREE BENDS

PROP. 1 - RELOCATE FIRE HYDRANT

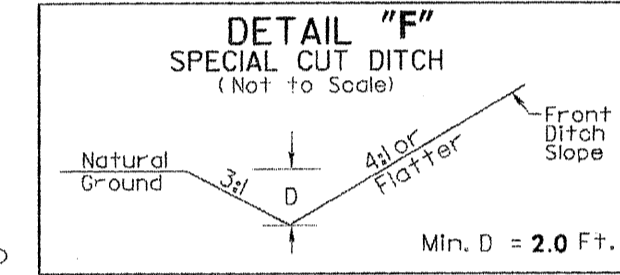
PROP. 442' - 6" WATER LINE - (BRUNSWICK CTY)

PROP. 1 - 22 1/2 DEGREE BEND

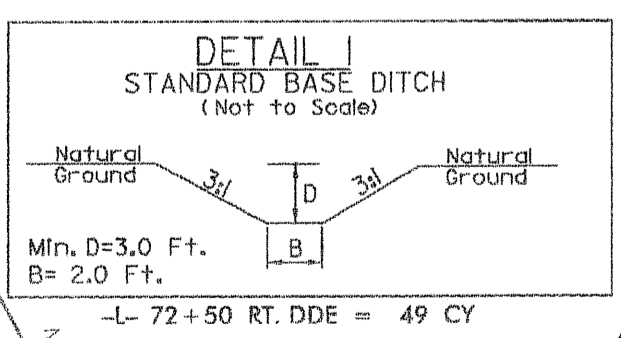
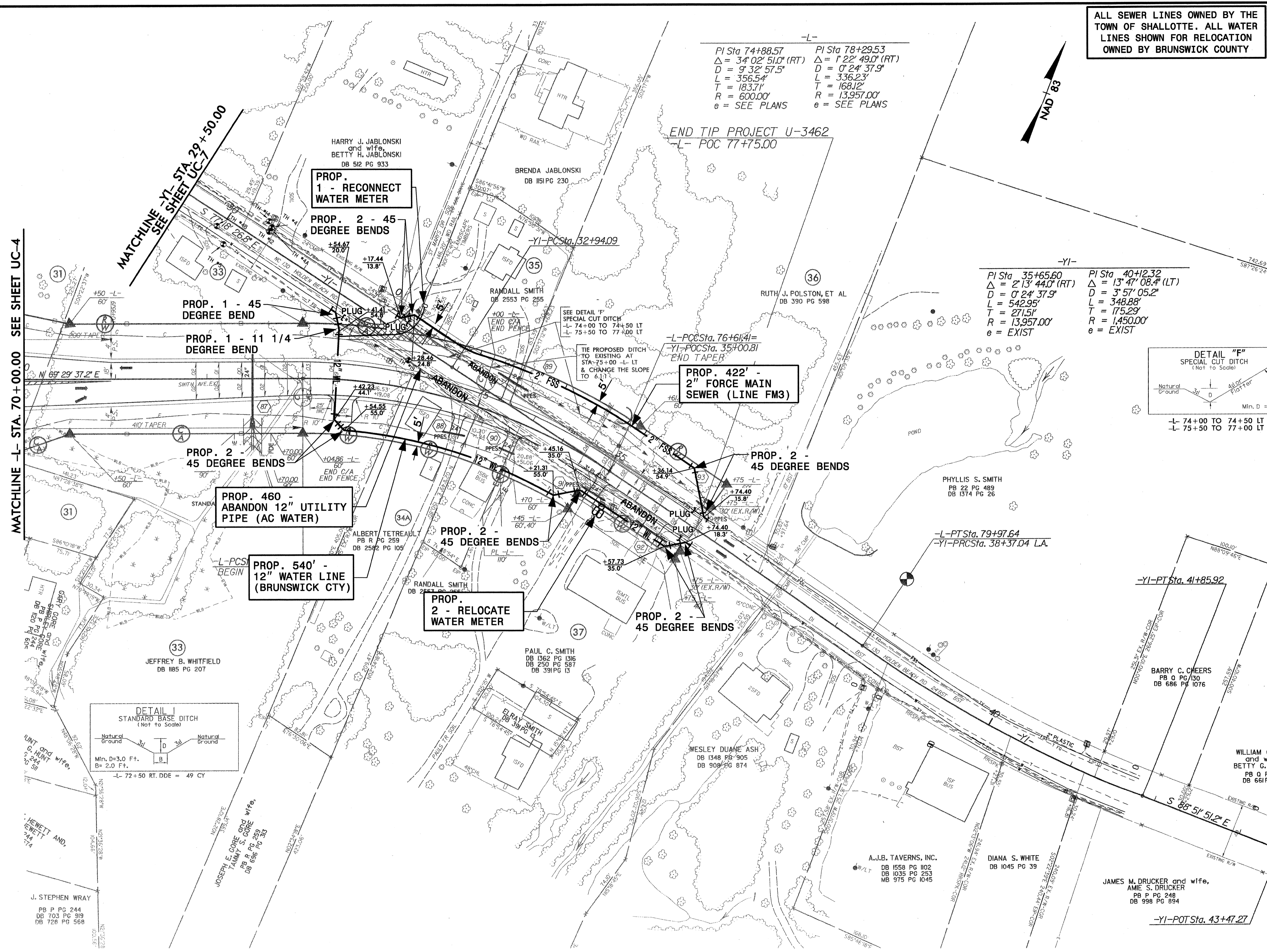
ALL SEWER LINES OWNED BY THE TOWN OF SHALLOTTE. ALL WATER LINES SHOWN FOR RELOCATION OWNED BY BRUNSWICK COUNTY

-L-
 PI Sta 74+88.57 PI Sta 78+29.53
 $\Delta = 34^{\circ} 02' 51.0''$ (RT) $\Delta = 1^{\circ} 22' 49.0''$ (RT)
 $D = 9' 32.57.5''$ $D = 0' 24' 37.9''$
 $L = 356.54'$ $L = 336.23'$
 $T = 183.71'$ $T = 168.12'$
 $R = 600.00'$ $R = 13,957.00'$
 $e = \text{SEE PLANS}$ $e = \text{SEE PLANS}$

-YI-
 PI Sta 35+65.60 PI Sta 40+12.32
 $\Delta = 2^{\circ} 13' 44.0''$ (RT) $\Delta = 13^{\circ} 47' 08.4''$ (LT)
 $D = 0' 24' 37.9''$ $D = 3' 57' 05.2''$
 $L = 542.95'$ $L = 348.88'$
 $T = 271.51'$ $T = 175.29'$
 $R = 13,957.00'$ $R = 1,450.00'$
 $e = \text{EXIST}$ $e = \text{EXIST}$



-L- 74+00 TO 74+50 LT
 -L- 75+50 TO 77+00 LT

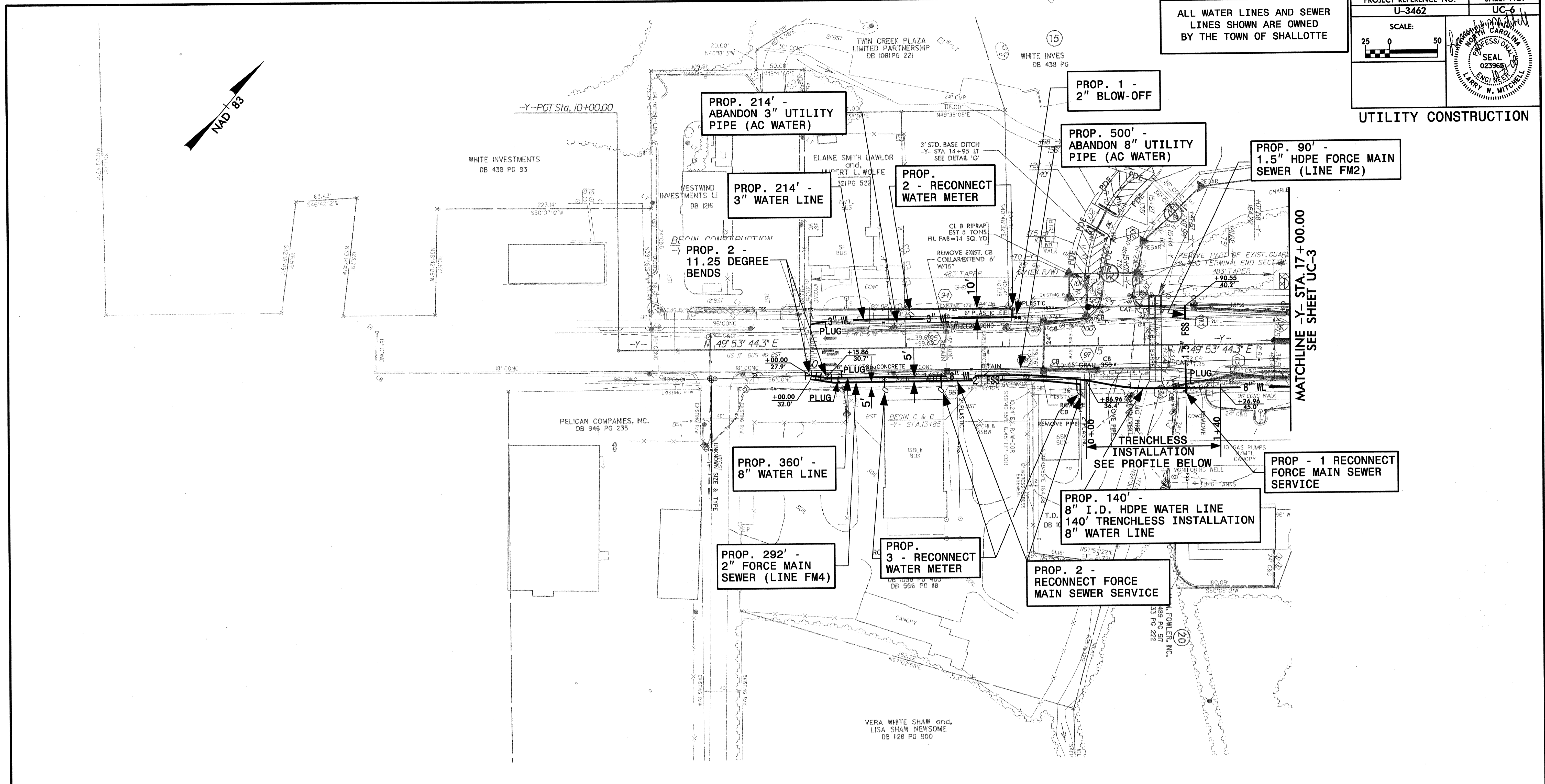
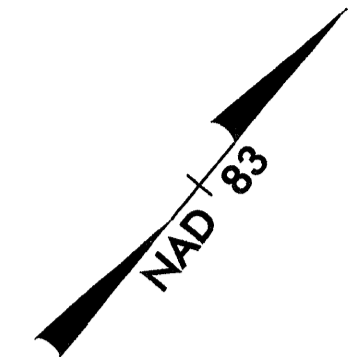


-L- 72+50 RT. DDE = 49 CY

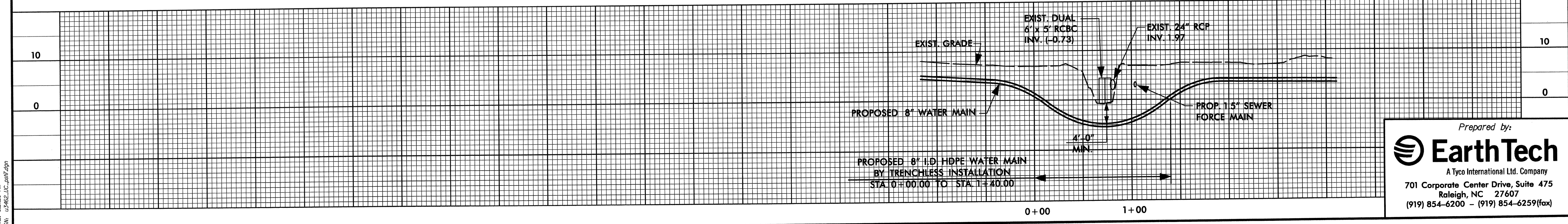
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ALL WATER LINES AND SEWER LINES SHOWN ARE OWNED BY THE TOWN OF SHALLOTTE

UTILITY CONSTRUCTION



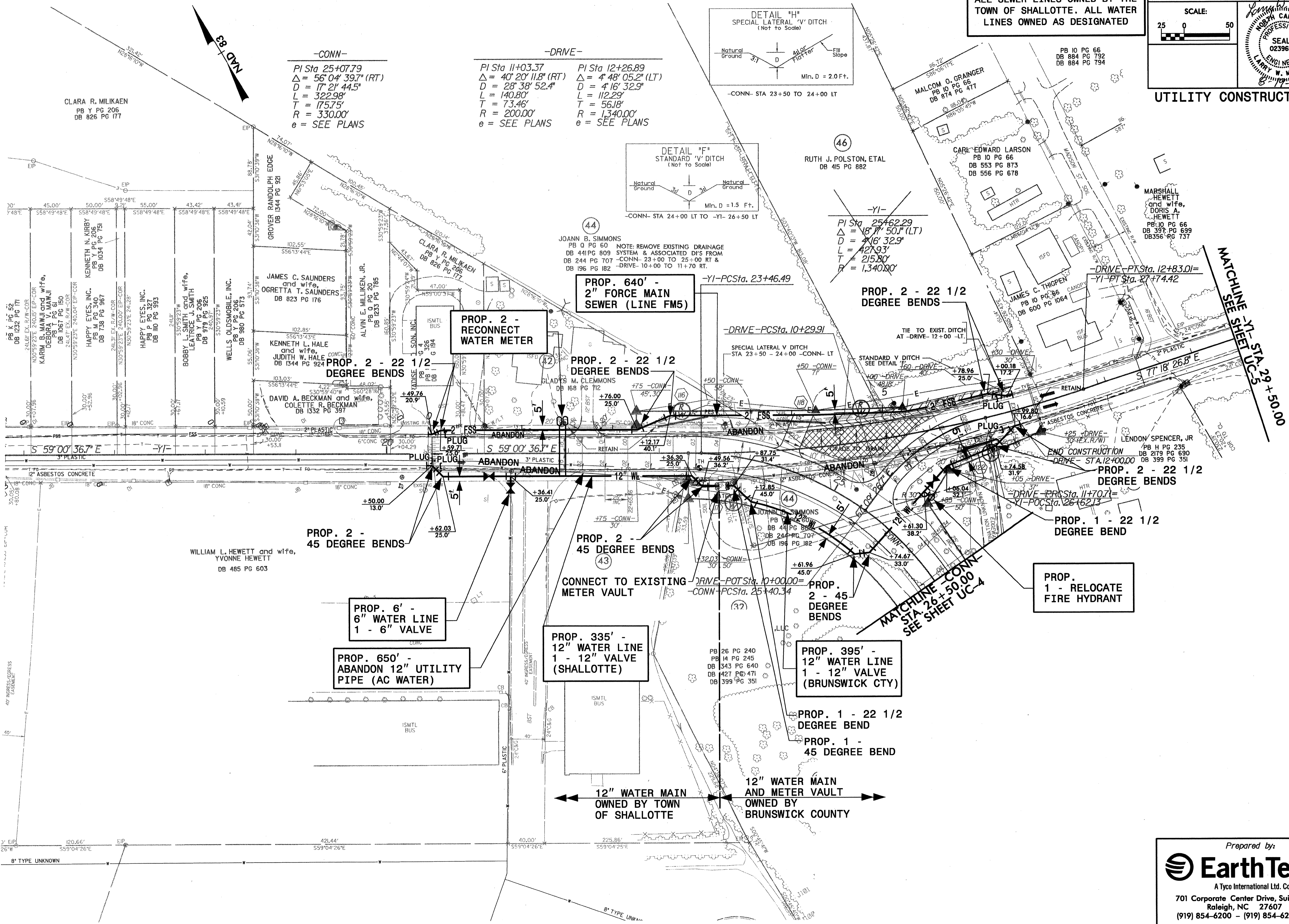
MATCHLINE -Y- STA. 17+00.00
 SEE SHEET UC-3



Prepared by:
EarthTech
 A Tyco International Ltd. Company
 701 Corporate Center Drive, Suite 475
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259 (fax)

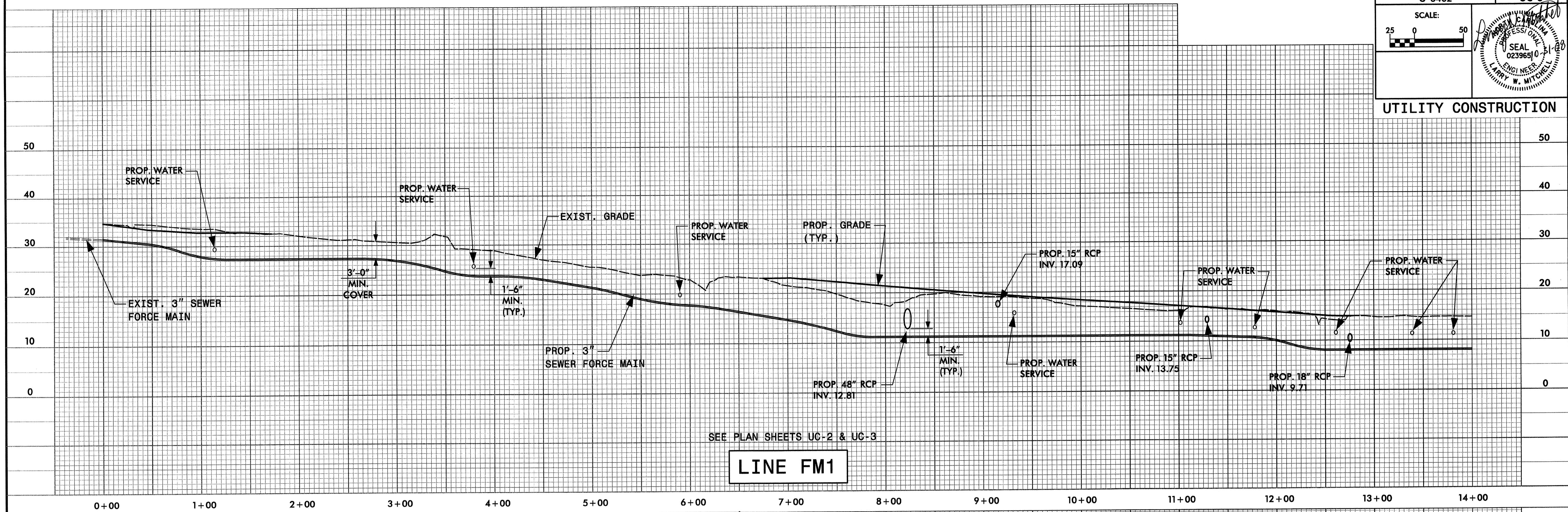
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ALL SEWER LINES OWNED BY THE TOWN OF SHALLOTTE. ALL WATER LINES OWNED AS DESIGNATED



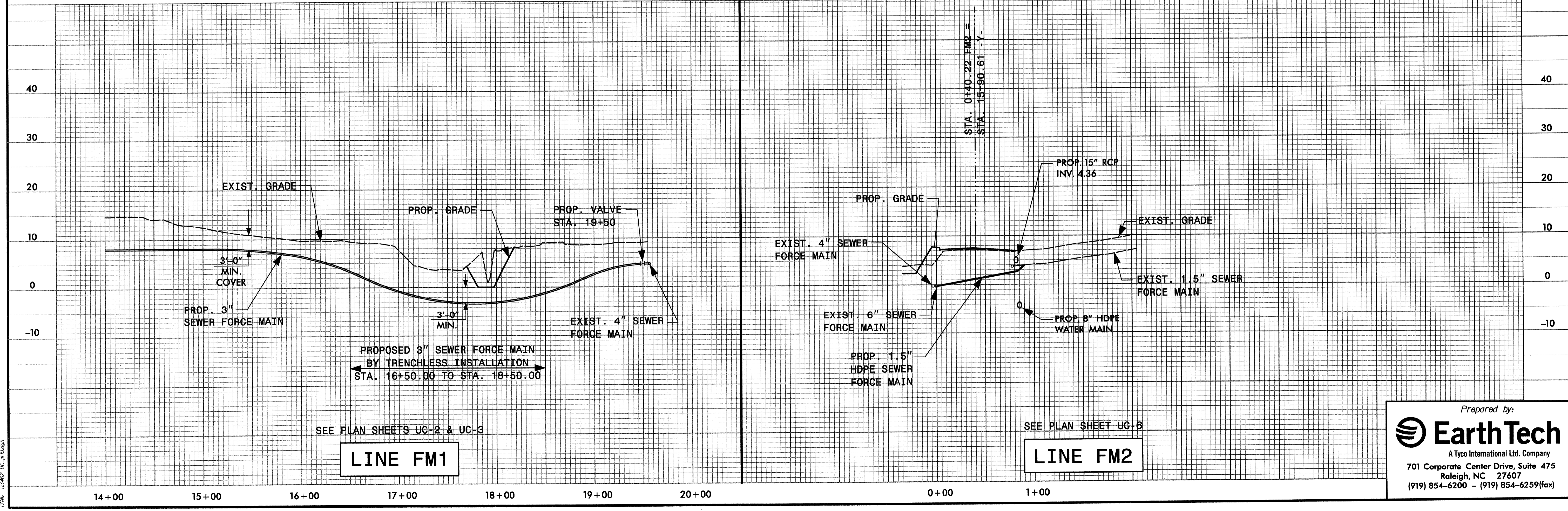
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UTILITY CONSTRUCTION



SEE PLAN SHEETS UC-2 & UC-3

LINE FM1



SEE PLAN SHEETS UC-2 & UC-3

LINE FM1

SEE PLAN SHEET UC-6

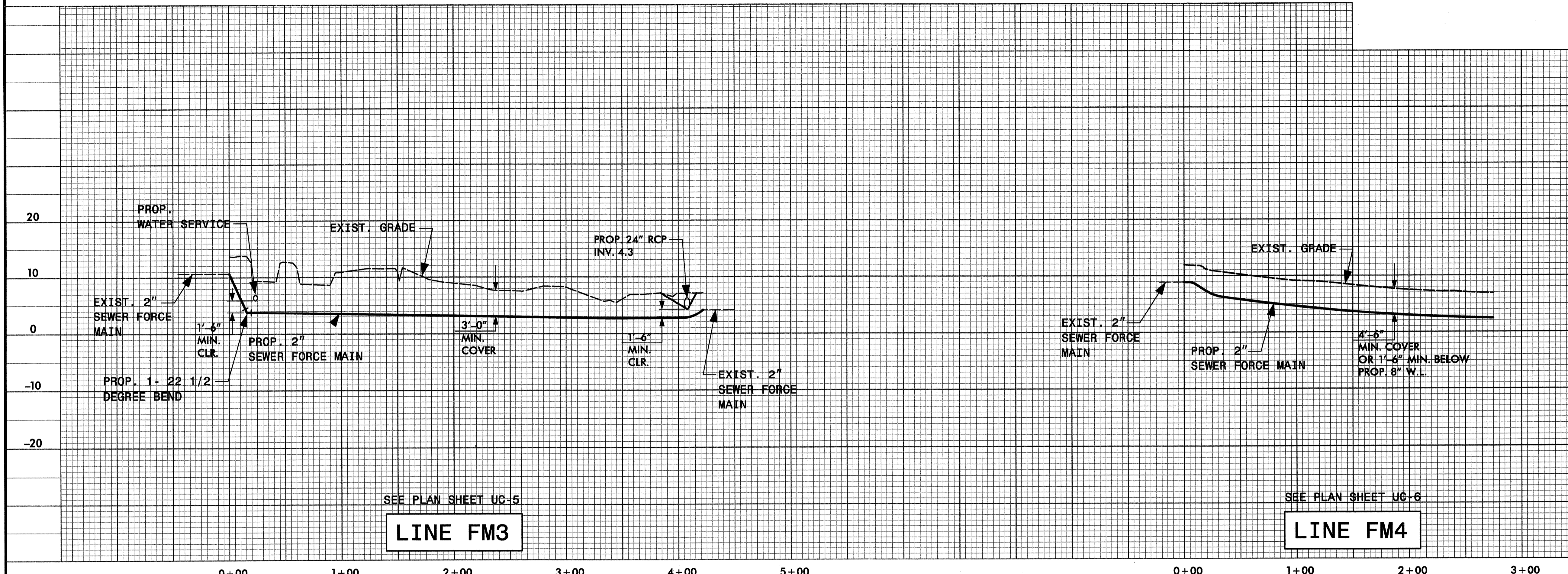
LINE FM2

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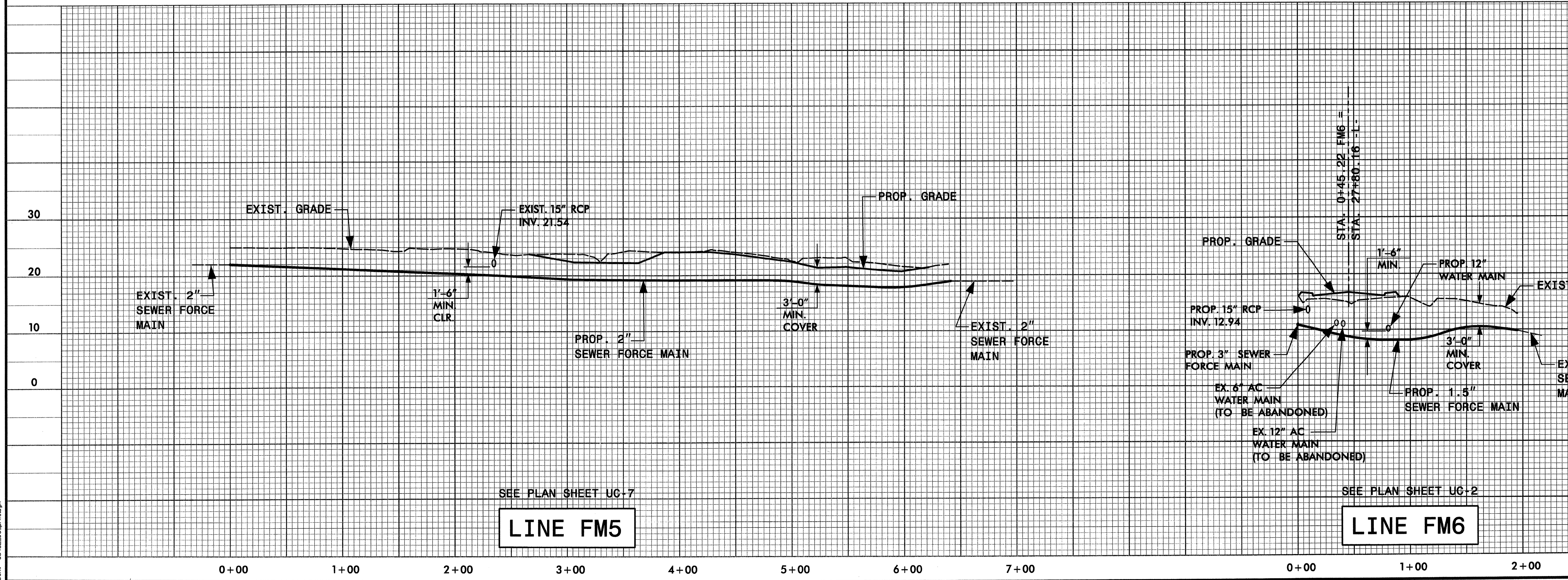
EarthTech
 A Tyco International Ltd. Company
 701 Corporate Center Drive, Suite 475
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259(fax)

UTILITY CONSTRUCTION



SEE PLAN SHEET UC-5
LINE FM3

SEE PLAN SHEET UC-6
LINE FM4



SEE PLAN SHEET UC-7
LINE FM5

SEE PLAN SHEET UC-2
LINE FM6

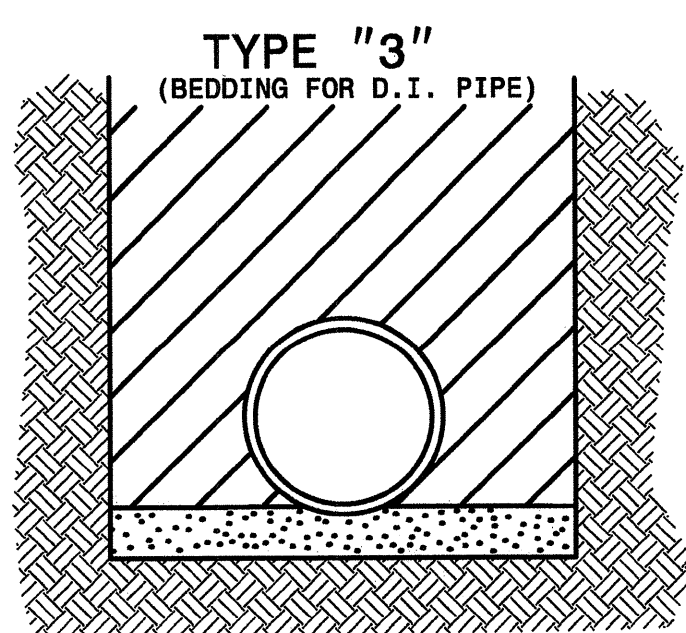
Prepared by:

EarthTech
A Tyco International Ltd. Company
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(fax)

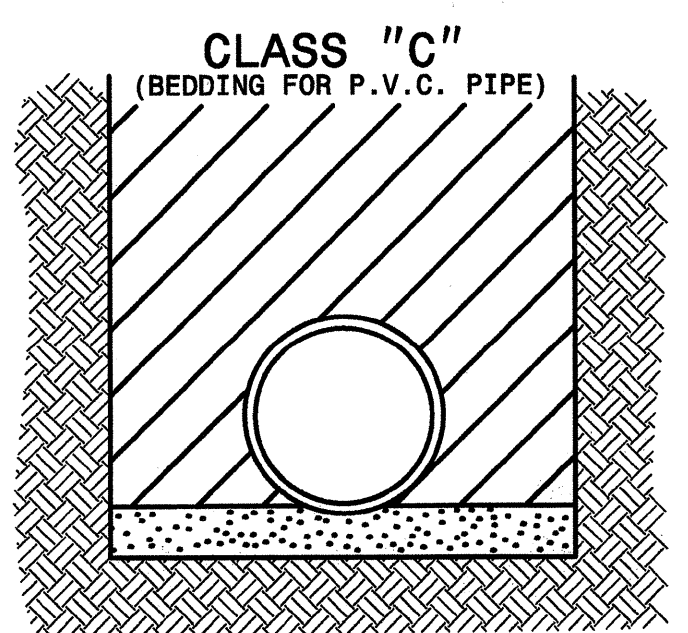
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UTILITY CONSTRUCTION

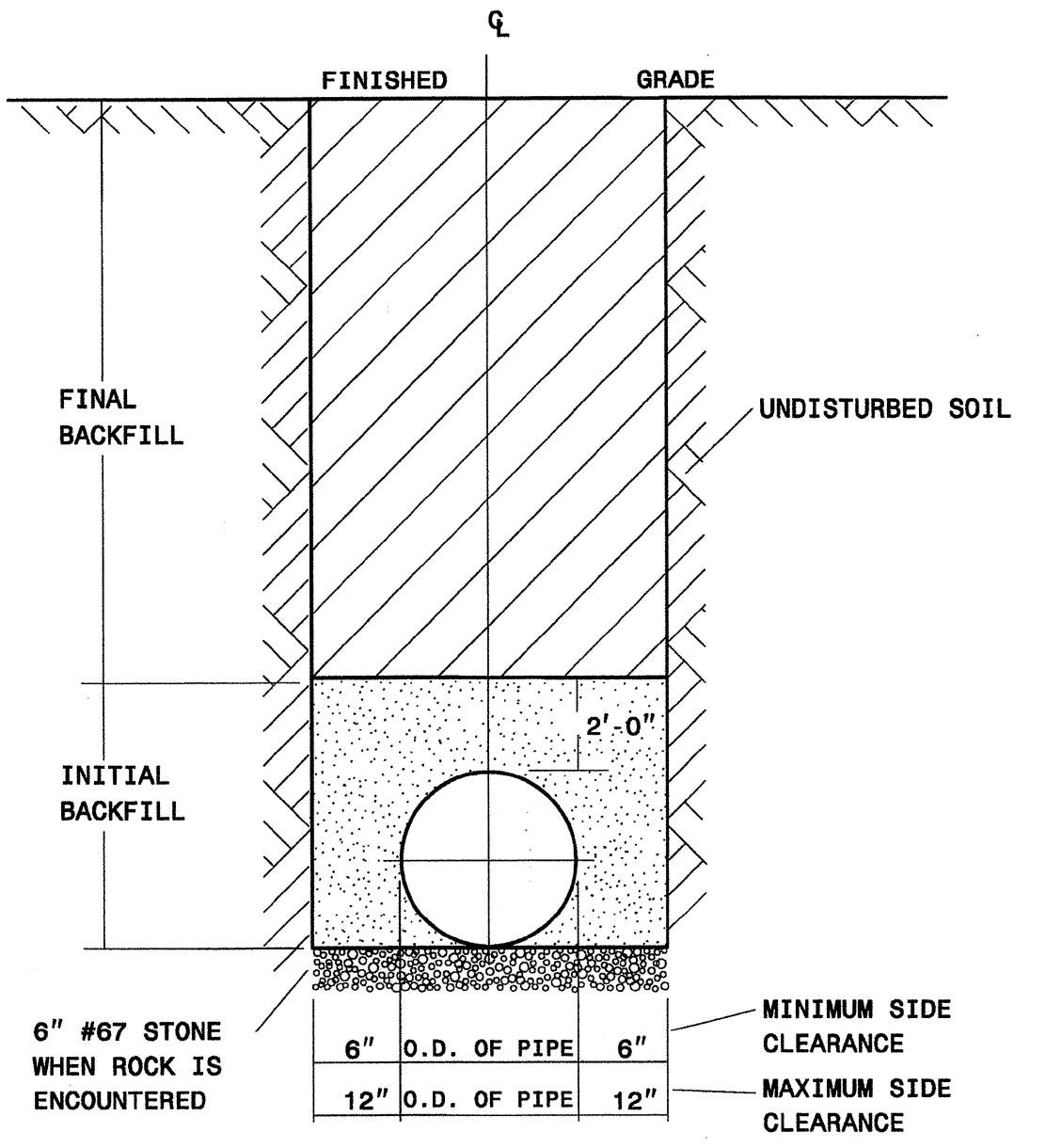
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)	NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



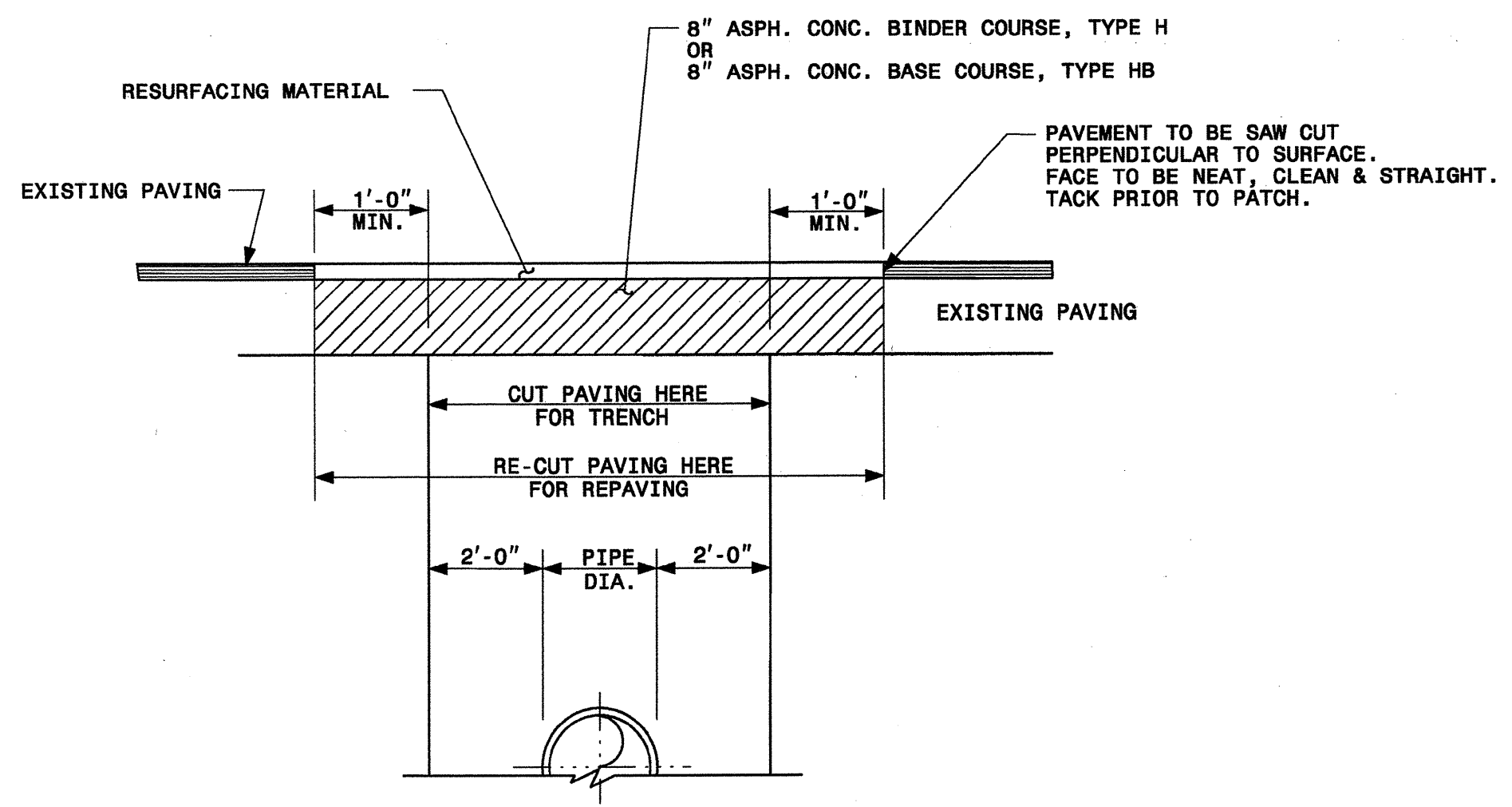
PIPE BEDDED IN 4" MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 8" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



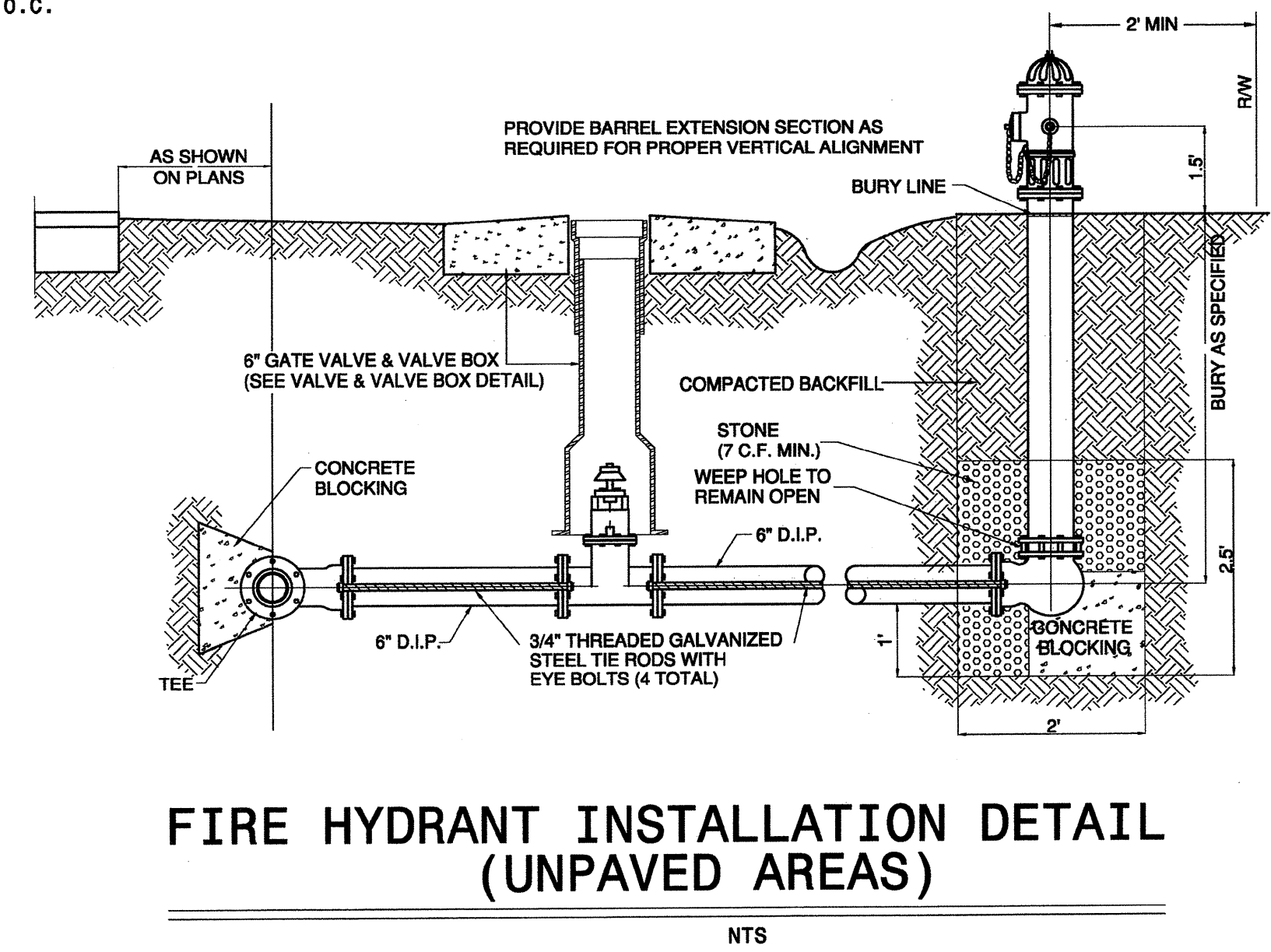
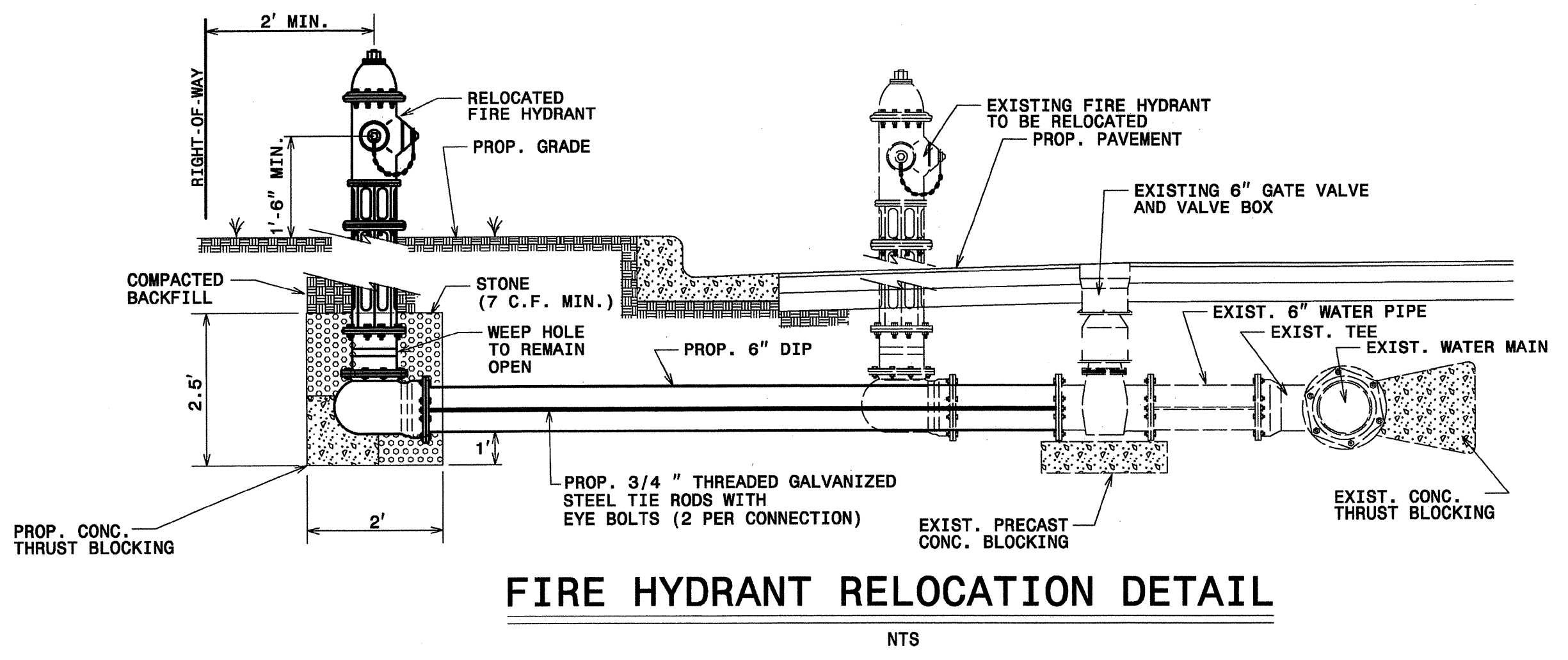
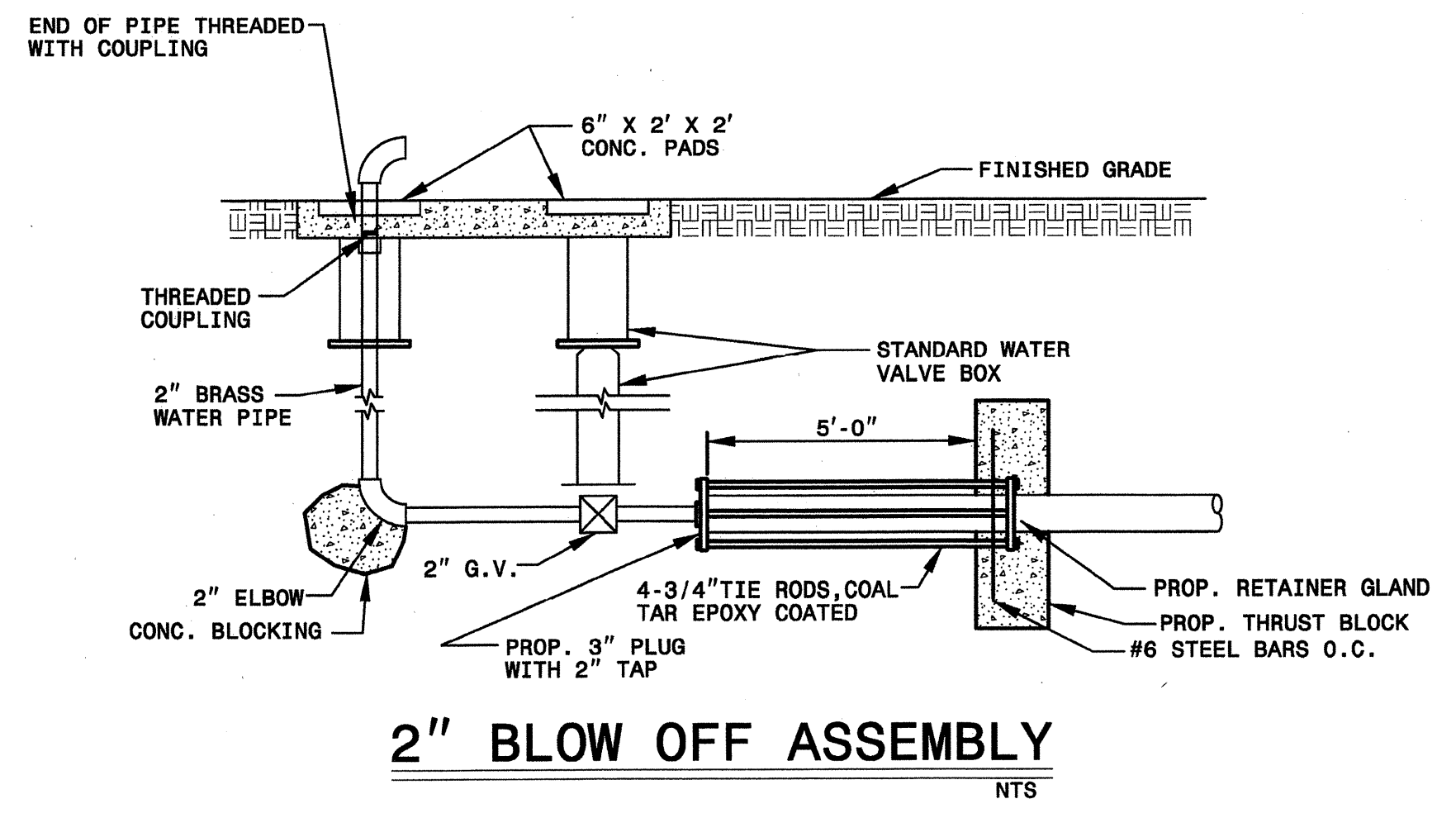
PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION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



TRENCH & BACKFILL DETAIL

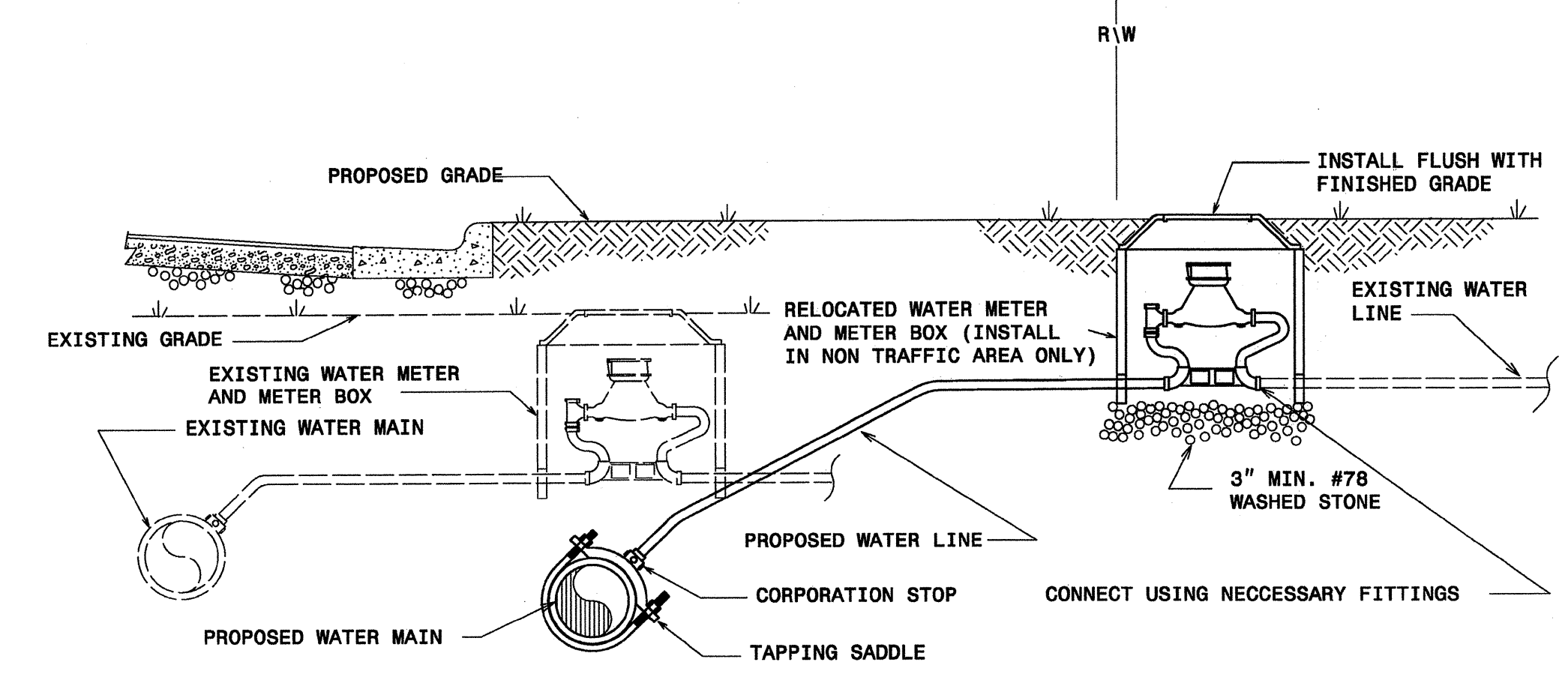
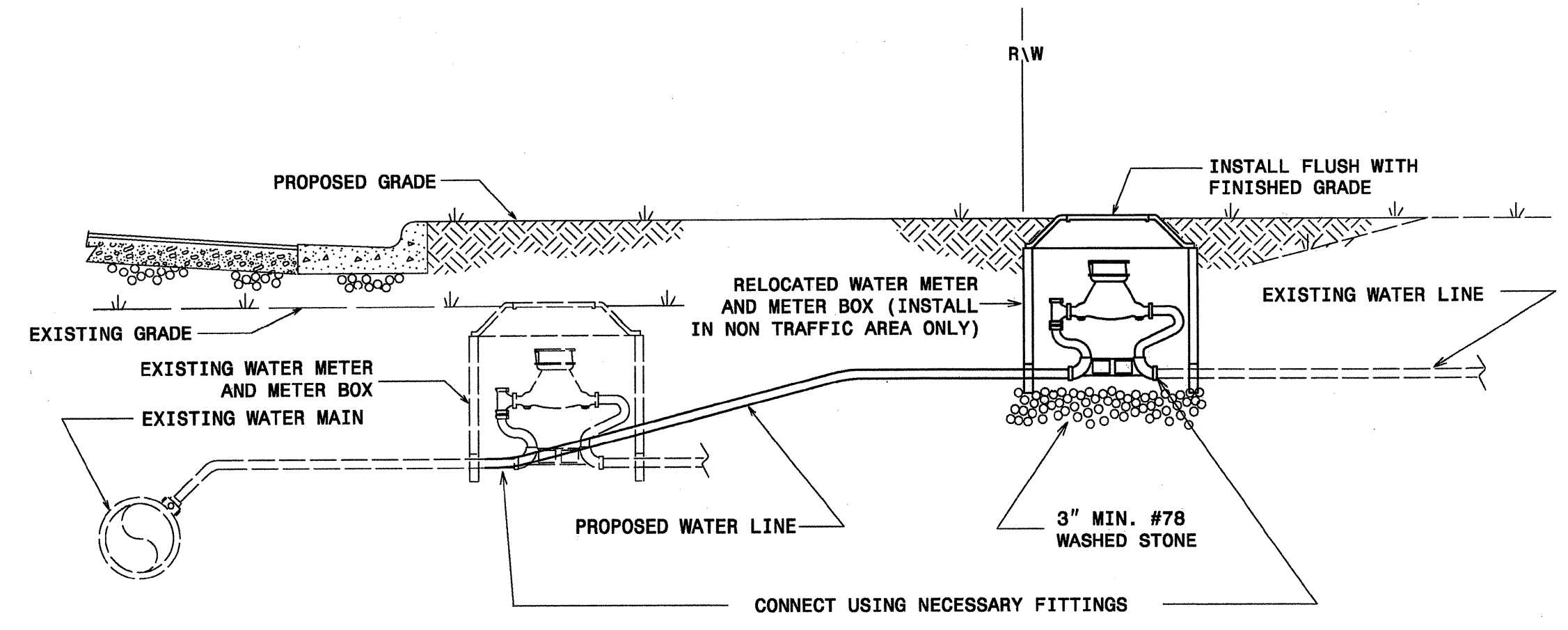


NOTE:
IF ENGINEER APPROVED, THEN THE BACKFILL (AGGREGATE BASE COURSE OR SUITABLE SUBGRADE) SHALL BE MADE IN 6" LAYERS AND SHALL BE COMPACTED TO AT LEAST 95% OF STANDARD DENSITY (AASHTO METHOD T-99). EACH LAYER MUST BE THOROUGHLY TAMPED BY A MECHANICAL TAMP BEFORE THE NEXT LAYER IS PLACED. ALL ASPHALT PAVEMENT REPLACED SHALL BE IN ACCORDANCE WITH THE MOST CURRENT N.C.D.O.T. STANDARD SPECIFICATIONS. BASE COURSE DENSITY SHALL BE 100%.



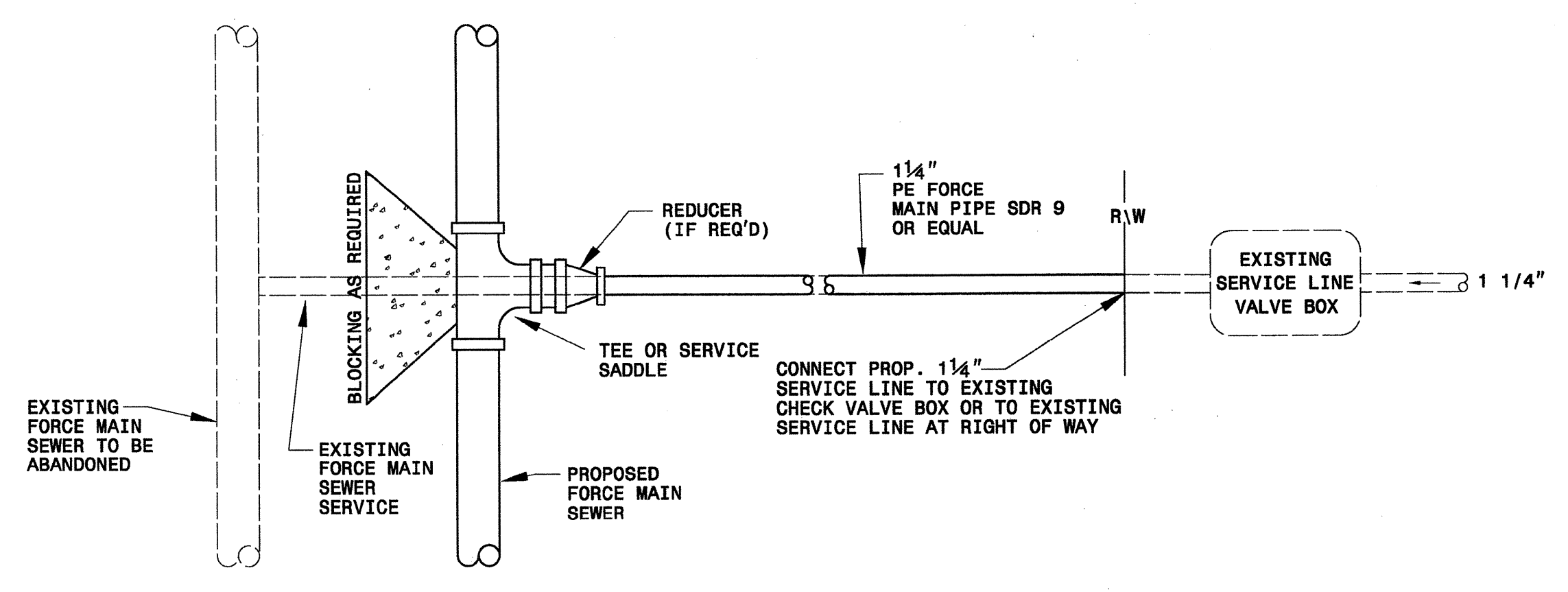
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UTILITY CONSTRUCTION

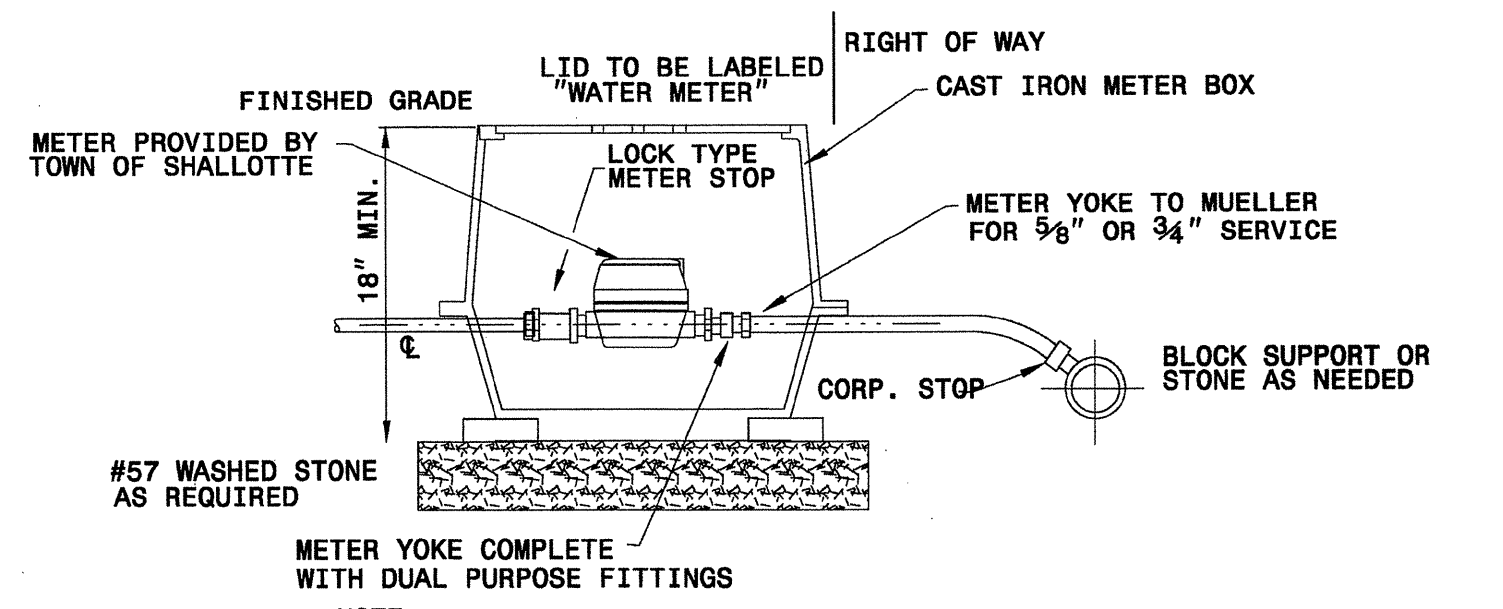


- NOTES:
1. RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, METER SETTER AND YOKE, METER VALVES, AND METER BOX WITH LID.
 2. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
 3. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 3' 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

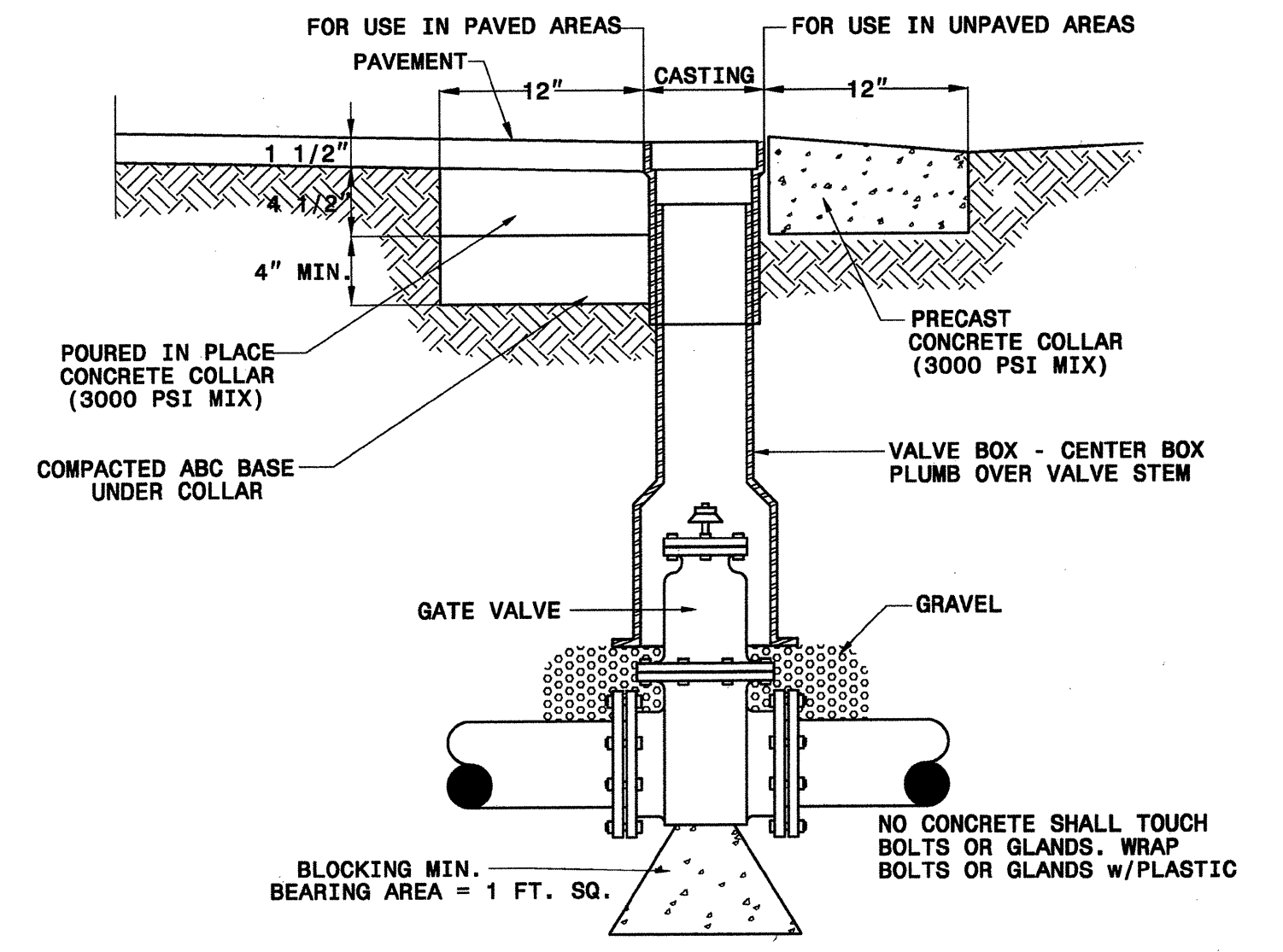


FORCE MAIN SEWER SERVICE CONNECTION

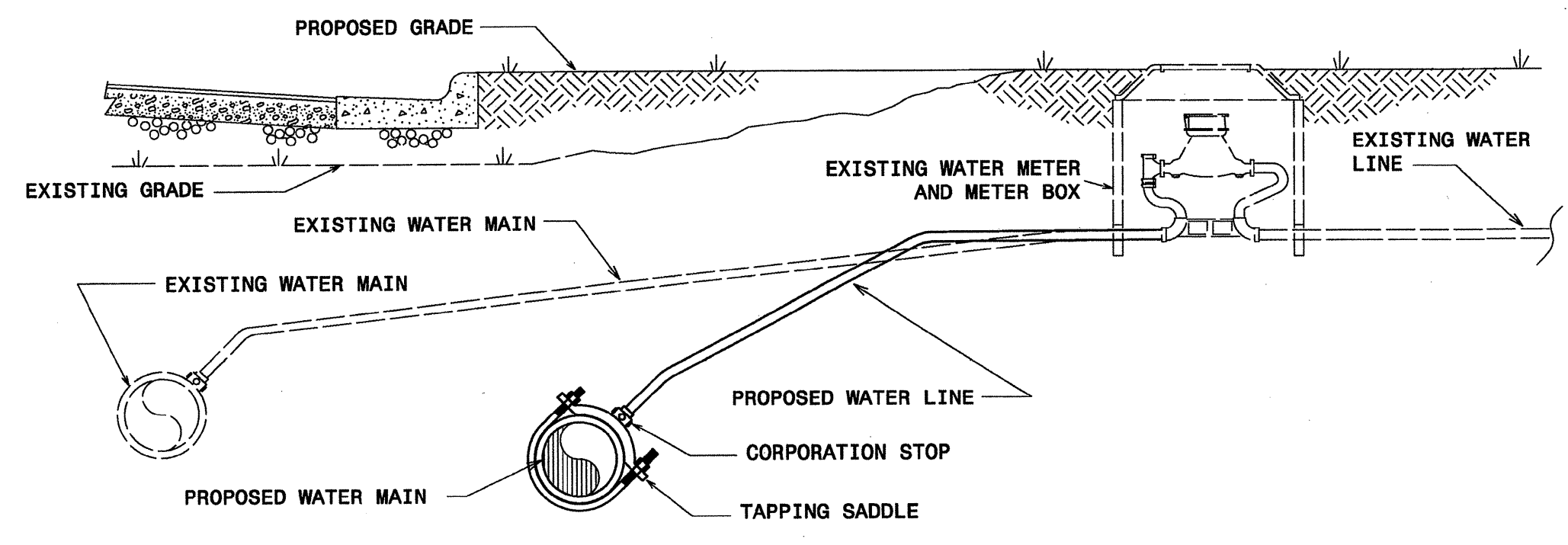


- NOTE:
- 1.) IF AUTHORIZED BY TOWN OF SHALLOTTE TO INSTALL WATER SERVICES, THE CONTRACTOR SHALL PLACE METER BOX IN A NON-TRAFFIC AREA AT THE LOCATION SPECIFIED BY TOWN OF SHALLOTTE UTILITY DEPARTMENT.
 - 2.) CONTRACTOR SHALL CENTER METER YOKE IN METER BOX.

TYPICAL 3/4" WATER SERVICE ASSEMBLY

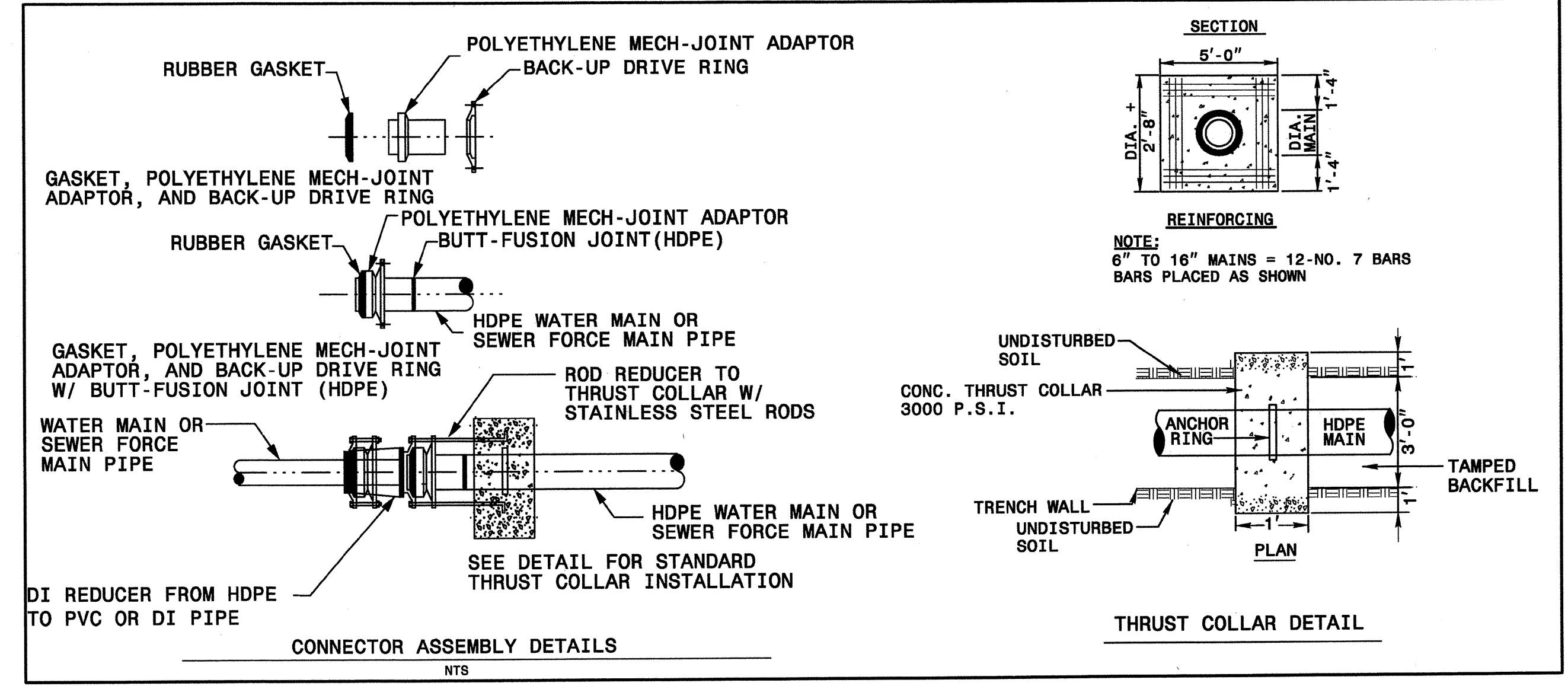


M.J. GATE VALVE AND VALVE BOX DETAIL



- 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 3' COVER BELOW FINISHED GRADE.

RECONNECT EXISTING WATER METER DETAIL

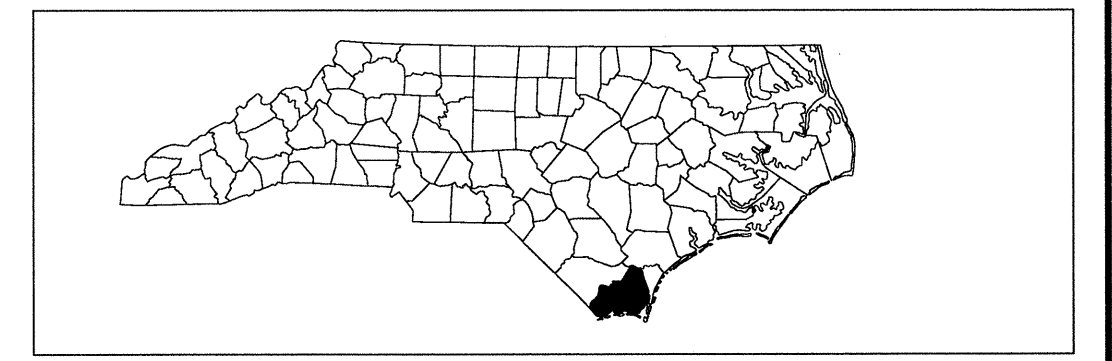


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See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-3462	UO-1



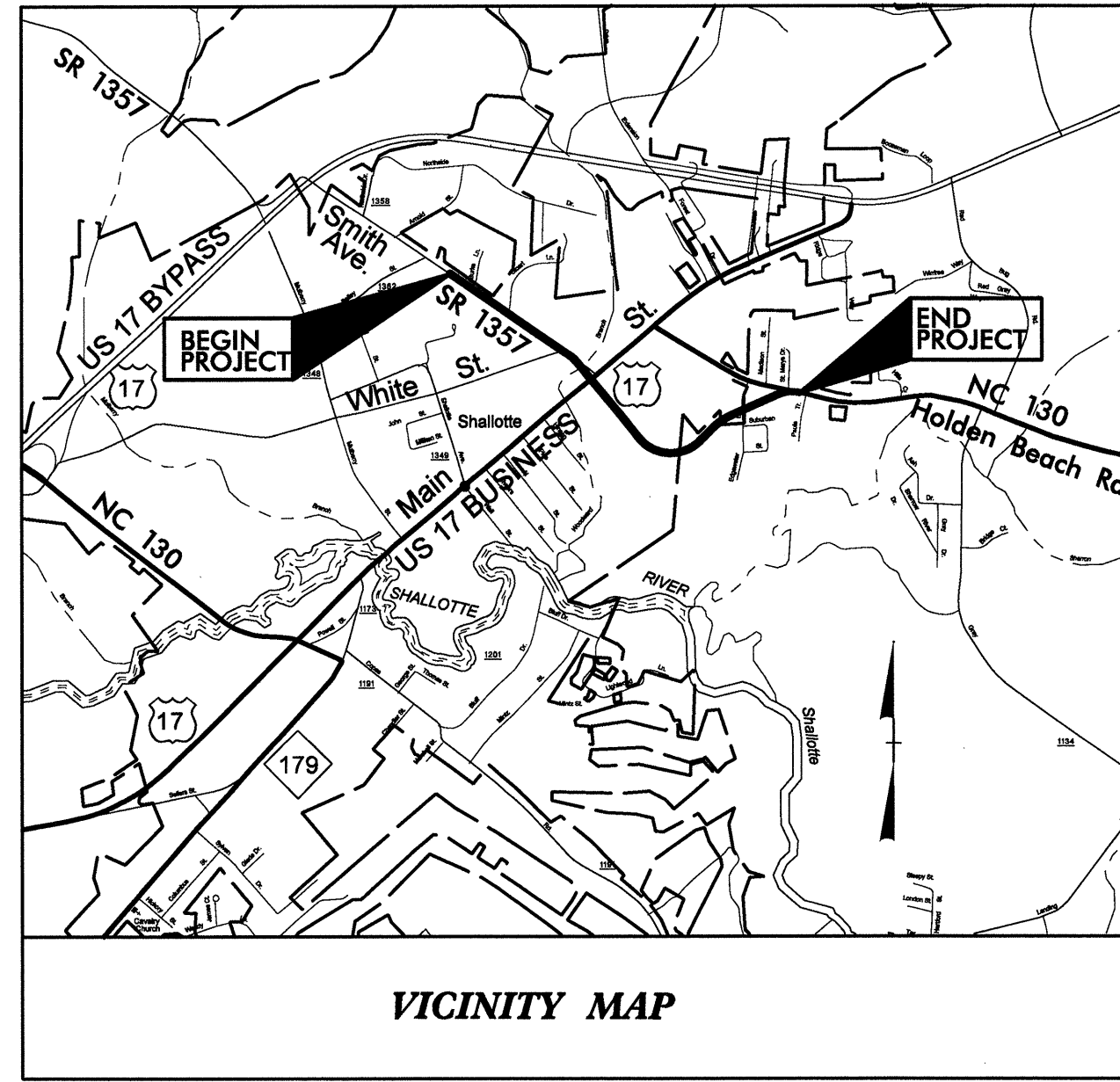
UTILITIES BY OTHERS PLANS BRUNSWICK COUNTY

LOCATION: EXTENSION OF SR 1357 FROM WEST OF
US 17 BUSINESS TO NC 130 IN SHALLOTTE

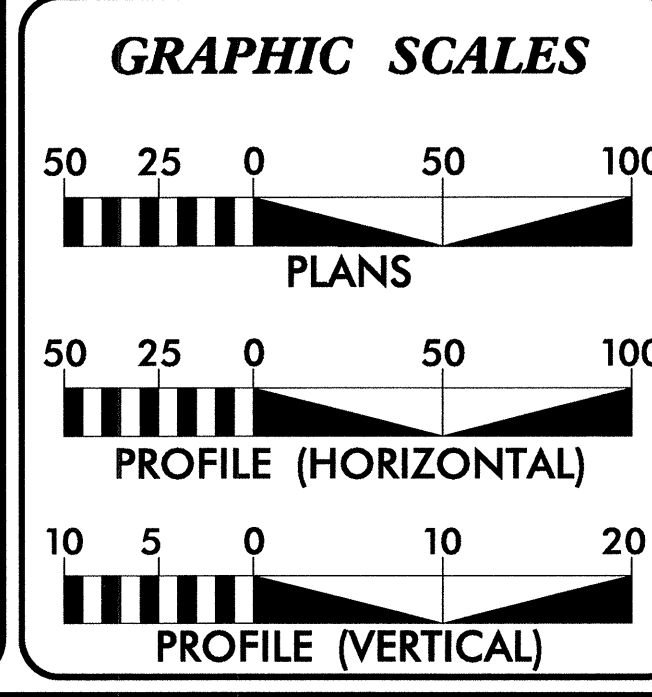
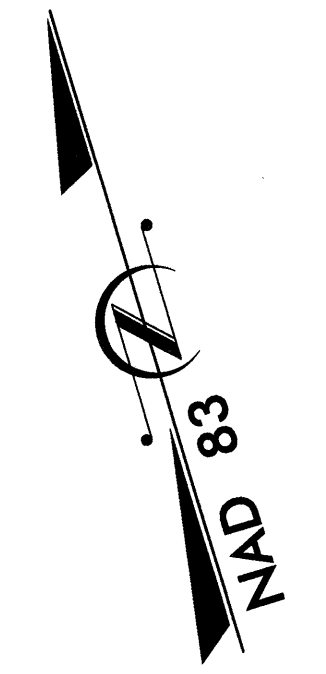
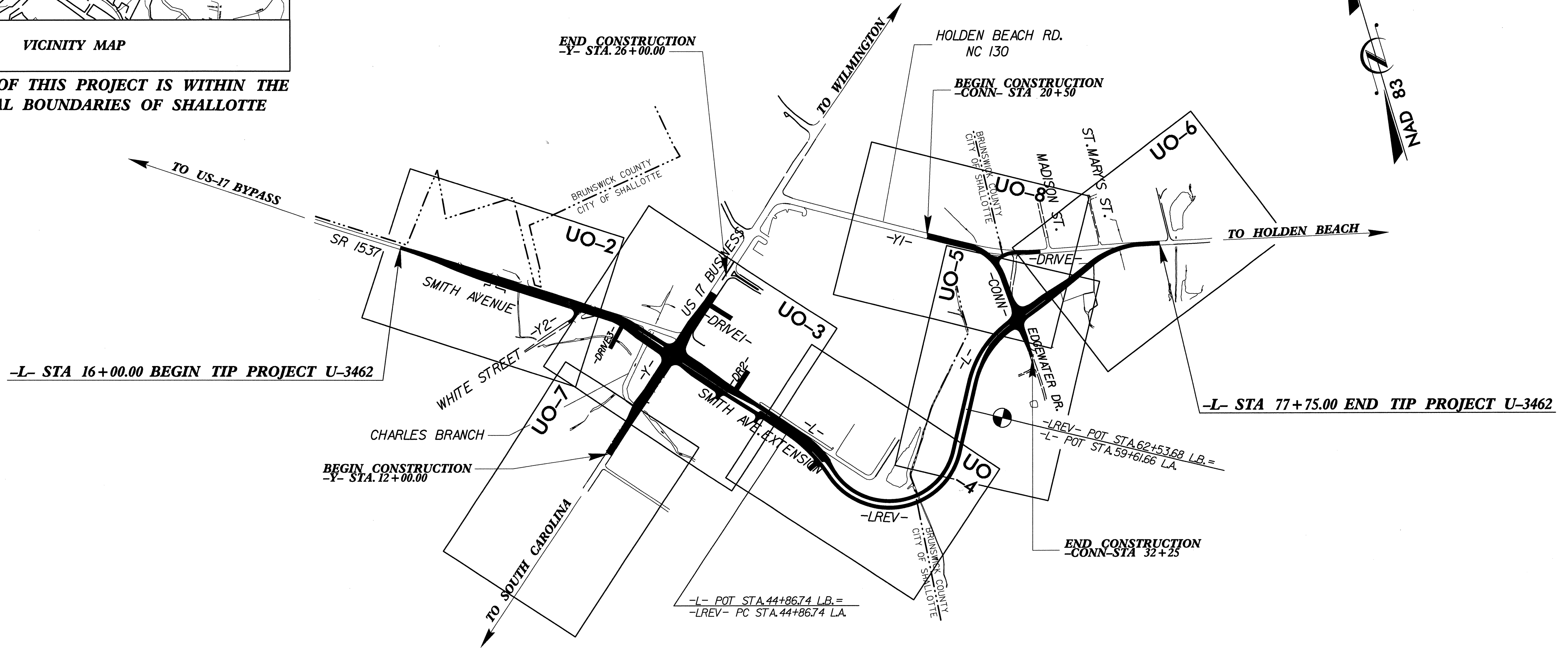
TYPE OF WORK: UTILITIES RELOCATION

TIP PROJECT: U-3462

CONTRACT: C202027



VICINITY MAP
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF SHALLOTTE



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 thru UO-8	UTILITIES BY OTHERS PLAN SHEETS
UO-9	UTILITIES BY OTHERS PROFILE SHEET

UTILITY OWNERS ON PROJECT
(1) BRUNSWICK EMC (POWER DISTRIBUTION)
(2) ATMC (TELECOMMUNICATIONS AND CABLE TELEVISION)

PREPARED BY:

A Tyco International Ltd. Company
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)

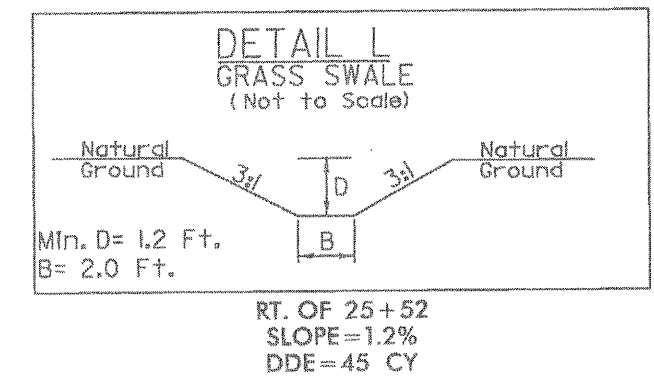
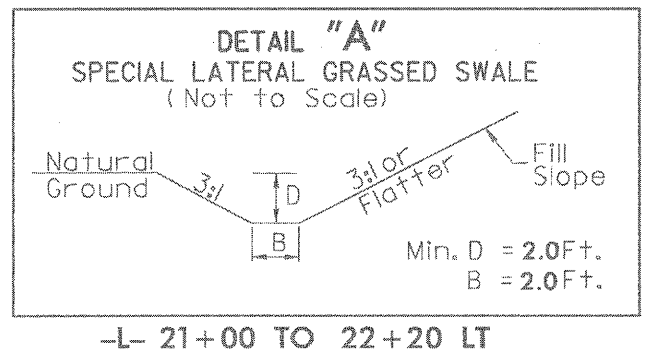
FOR:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION
1591 MAIL SERVICES CENTER
RALEIGH, NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
James S. McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Earth Tech, Inc. UTILITIES PROJECT DESIGNER

DATE: 9/17/2008
DWN: U-3462-UBO-fshdgn

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

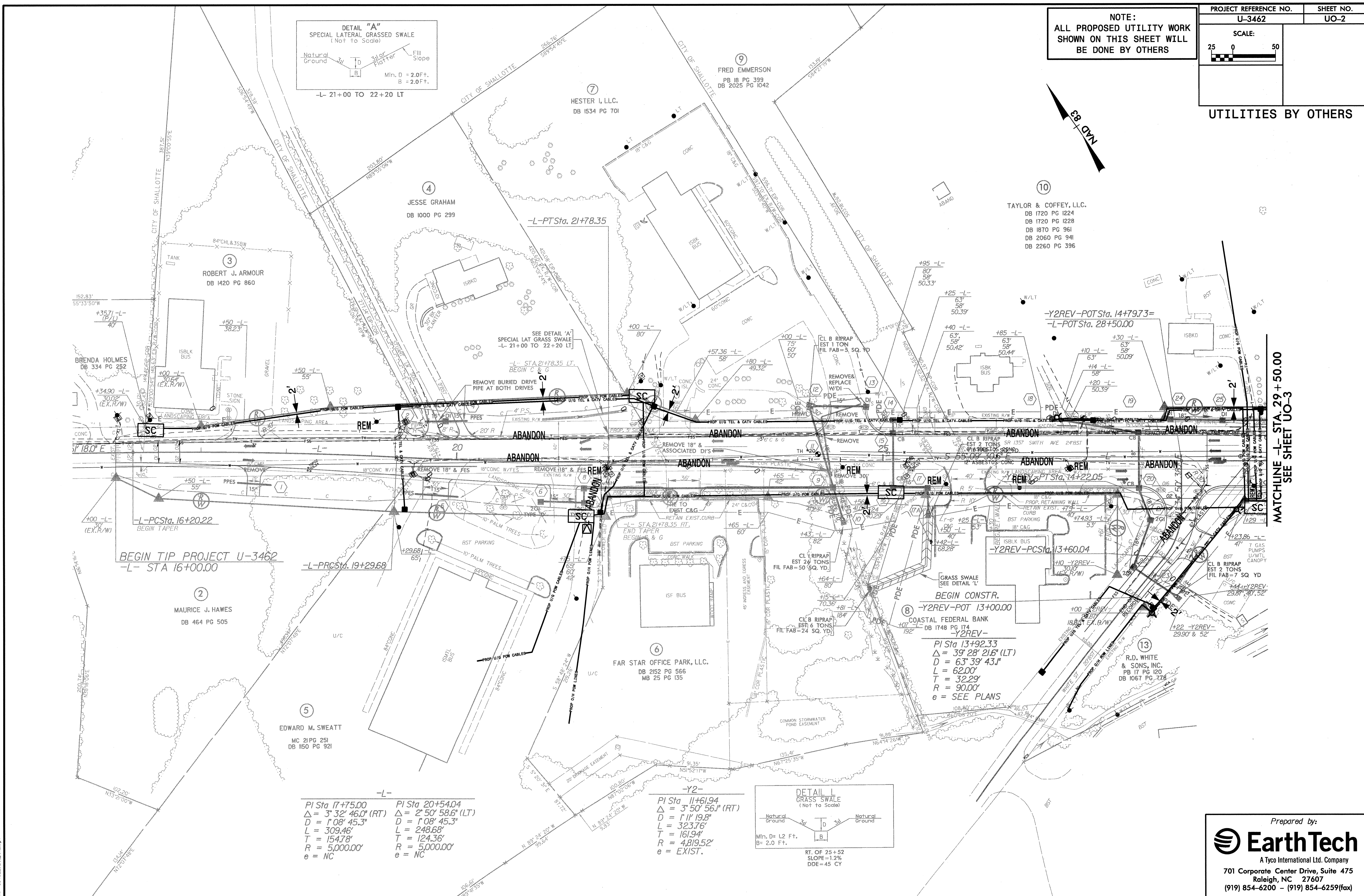
UTILITIES BY OTHERS



PI Sta 17+75.00 Δ = 3° 32' 46.0" (RT) D = 1' 08' 45.3" L = 309.46' T = 154.78' R = 5,000.00' e = NC	PI Sta 20+54.04 Δ = 2° 50' 58.6" (LT) D = 1' 08' 45.3" L = 248.68' T = 124.36' R = 5,000.00' e = NC
---	---

PI Sta 11+61.94 Δ = 3° 50' 56.1" (RT) D = 1' 11' 19.8" L = 323.76' T = 161.94' R = 4,819.52' e = EXIST.

MATCHLINE -L- STA. 29+50.00
 SEE SHEET UO-3



DATE: 9/3/2008
 DGN: U3462_UO-2.dgn

NOTE:
THE UTILITY COMPANY'S CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 1550, 102 AND 107 OF THE STANDARD SPECIFICATIONS CONCERNING THE TRENCHLESS INSTALLATION. NO DAMAGE IS ALLOWED TO THE WETLANDS OR STREAM BY THE TRENCHLESS INSTALLATION. THE CONTRACTOR'S ENGINEER SHALL DESIGN THE INSTALLATION METHOD AND PROVIDE ON-SITE OVERSIGHT.

NOTE:
SUBAQUEOUS LINES (TRENCHLESS) MUST BE PLACED AT A DEPTH OF SEVEN FEET (7') BELOW THE LOWEST DEPTH OF CREEK AND THREE FEET (3') MINIMUM BELOW THE WET LAND AND IN OTHER AREAS.

PROP. 310' OF DIRECTIONAL BORE WITH INSTALLING 6 - 4 INCH PVC PIPE CONDUITS TWO FEET INSIDE THE RIGHT OF WAY

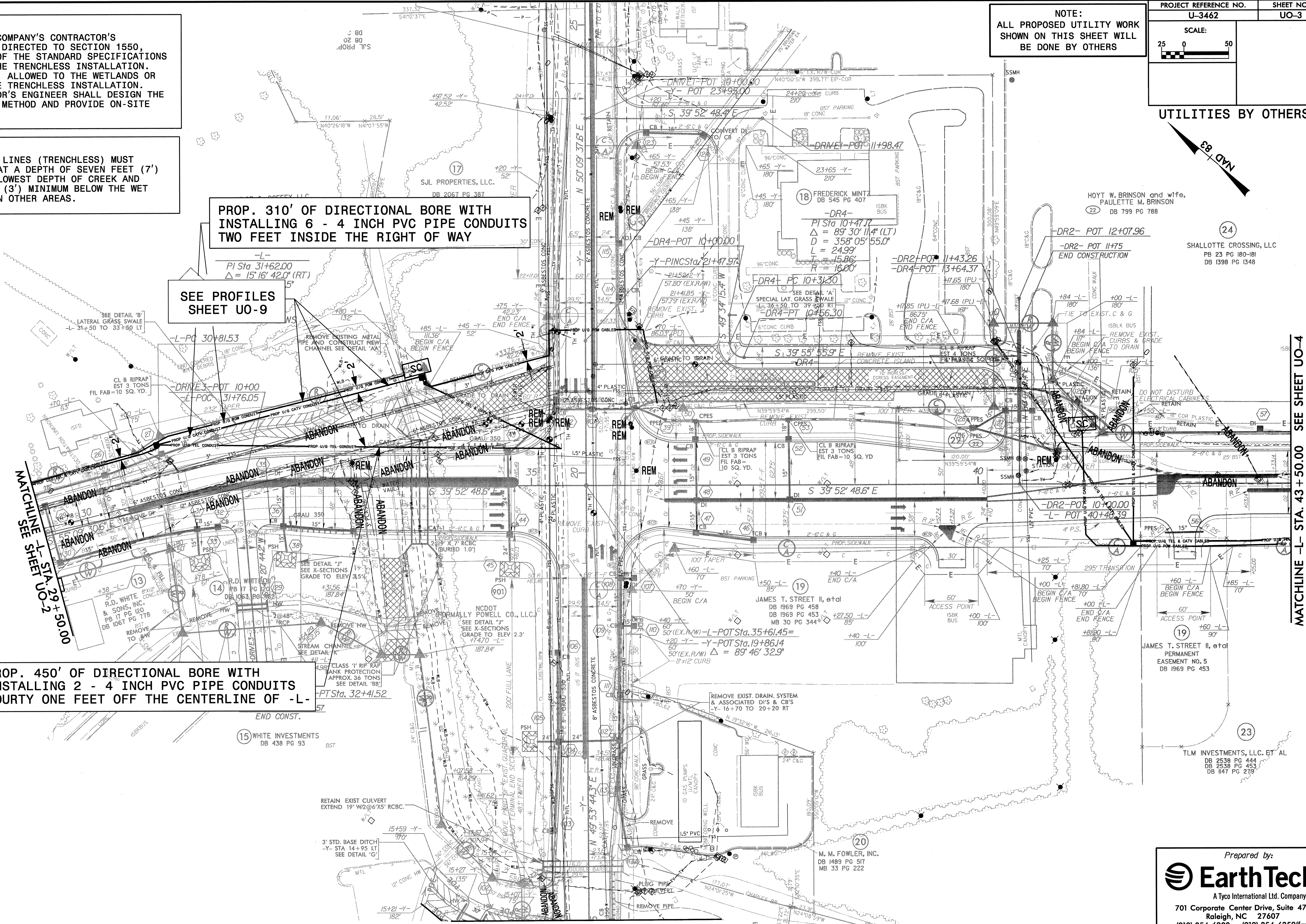
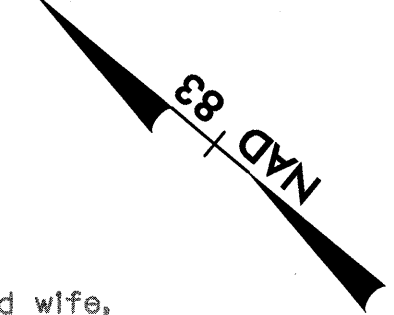
SEE PROFILES SHEET UO-9

PROP. 450' OF DIRECTIONAL BORE WITH INSTALLING 2 - 4 INCH PVC PIPE CONDUITS FOURTY ONE FEET OFF THE CENTERLINE OF -L-

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

PROJECT REFERENCE NO. U-3462	SHEET NO. UO-3
SCALE: 25 0 50	

UTILITIES BY OTHERS



MATCHLINE -L- STA. 29+50.00
SEE SHEET UO-2

MATCHLINE -L- STA. 43+50.00 SEE SHEET UO-4

MATCHLINE -Y- STA. 15+00.00 SEE SHEET UO-7

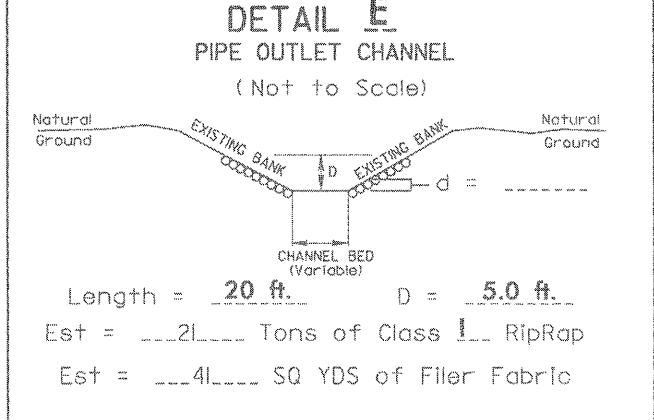
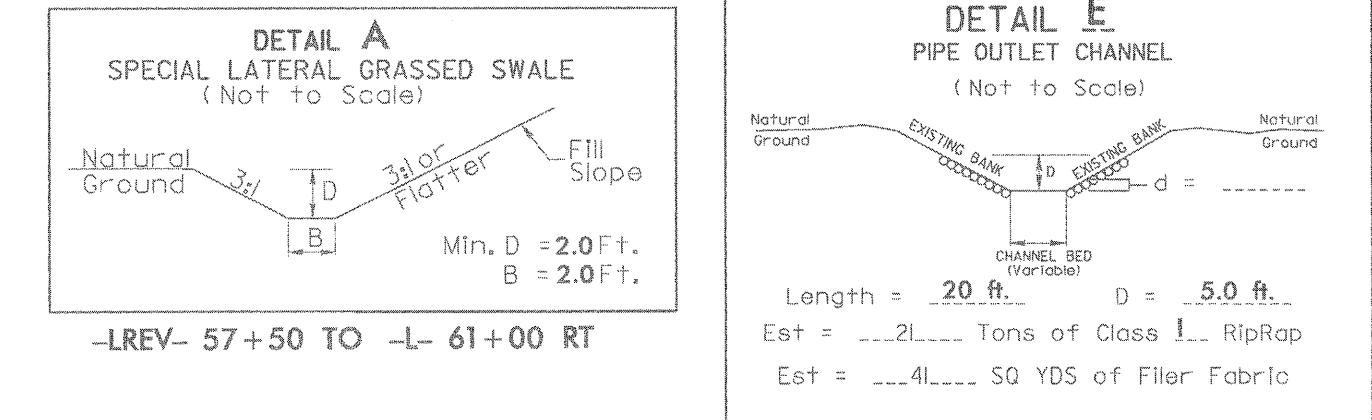
DATE: 9/17/2008
DRAWN: U-3462_LBO_05103208

Prepared by:

 A Tyco International Ltd. Company
 701 Corporate Center Drive, Suite 475
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259(fax)

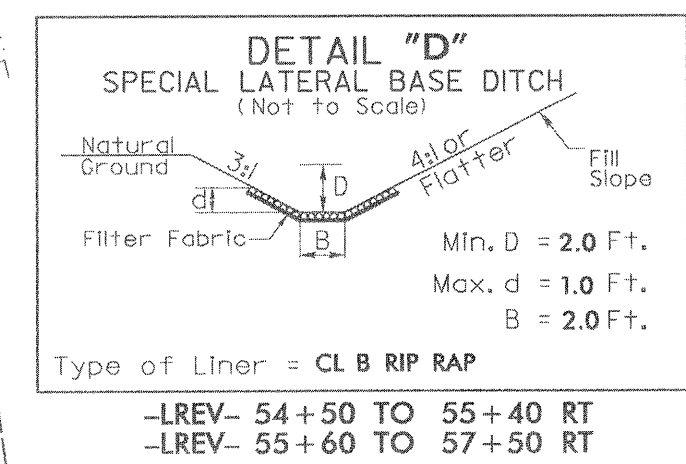
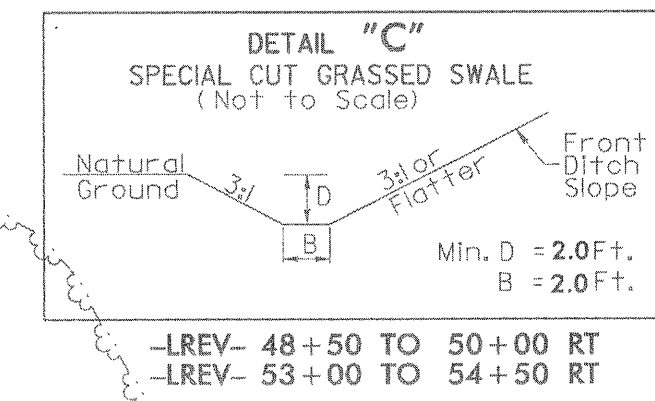
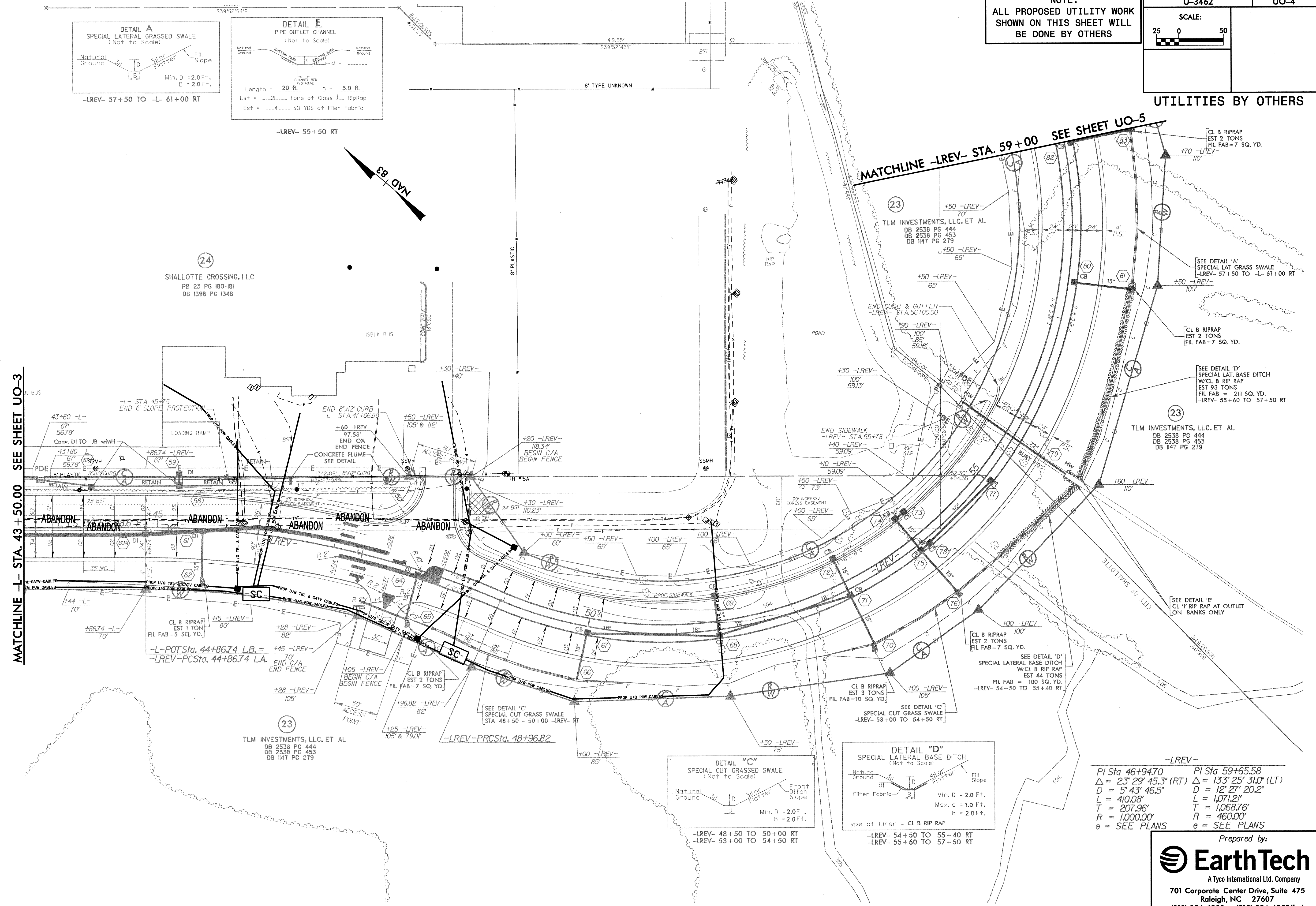
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

UTILITIES BY OTHERS



MATCHLINE -L- STA. 43 + 50.00 SEE SHEET UO-3

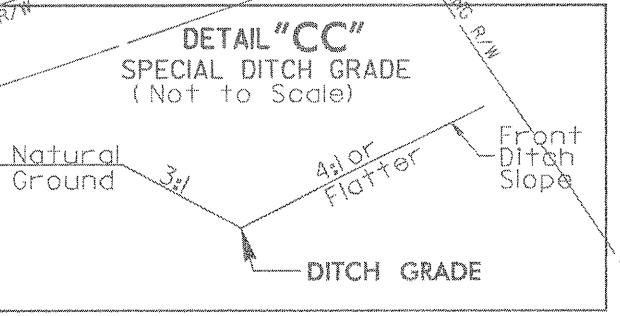
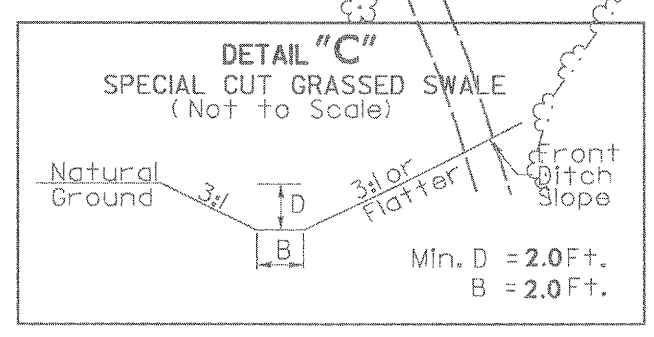
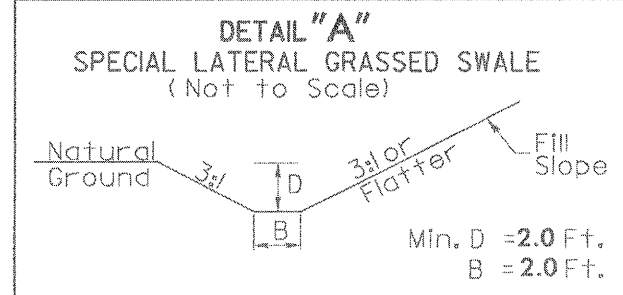
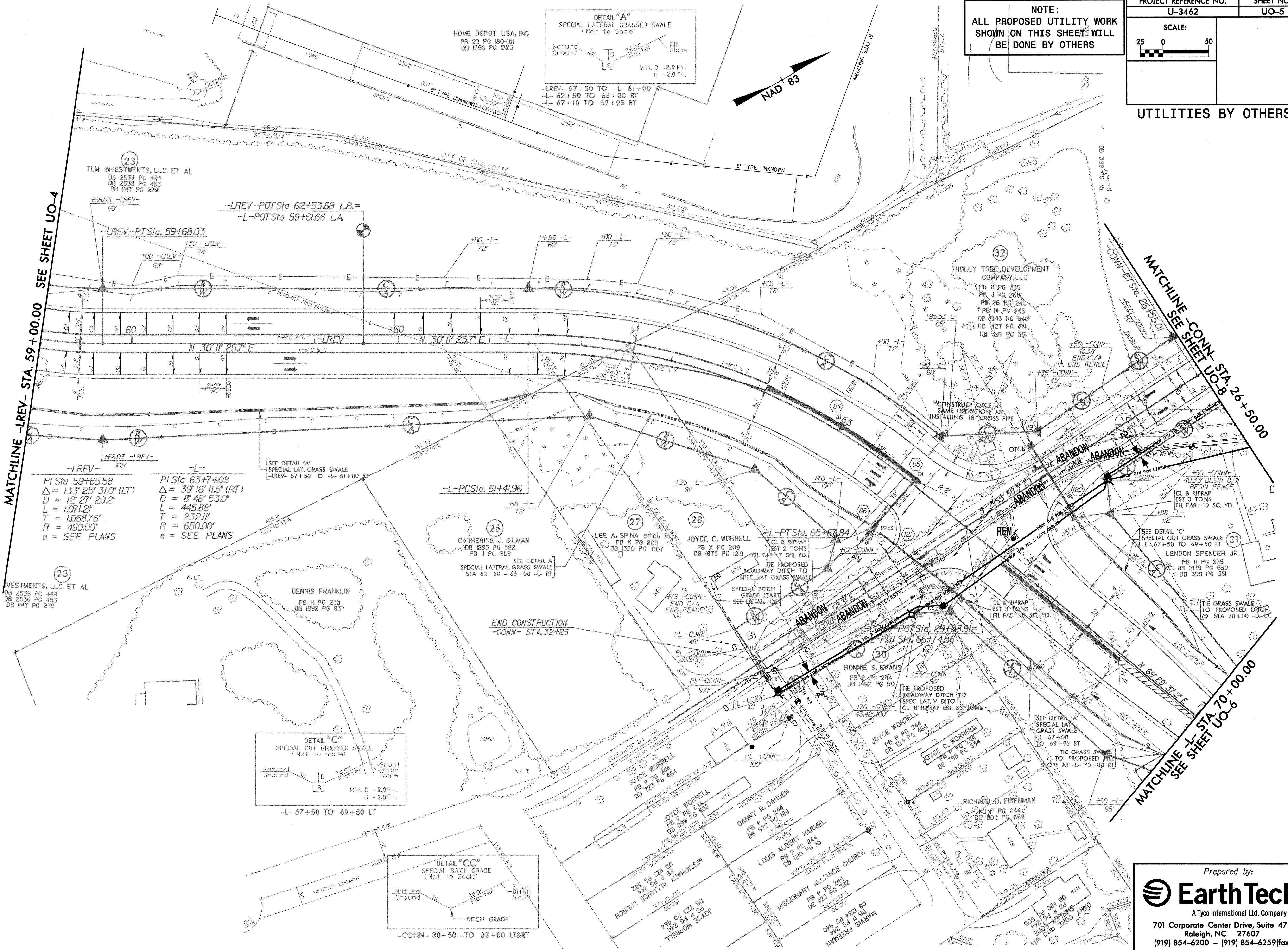
MATCHLINE -LREV- STA. 59 + 00 SEE SHEET UO-5



PI Sta 46+94.70	PI Sta 59+65.58
$\Delta = 23^{\circ} 29' 45.3''$ (RT)	$\Delta = 133^{\circ} 25' 31.0''$ (LT)
$D = 5' 43' 46.5''$	$D = 12' 27' 20.2''$
$L = 107.12'$	$L = 1,071.2'$
$T = 207.96'$	$T = 1,068.76'$
$R = 1,000.00'$	$R = 460.00'$
$e = \text{SEE PLANS}$	$e = \text{SEE PLANS}$

DATE: 9/3/2008
DRAWN: US462.LBO.JSM/ADP

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



MATCHLINE -LREV- STA. 59+00.00 SEE SHEET UO-4

MATCHLINE CONN- STA. 26+50.00
 MATCHLINE SEE SHEET UO-8

MATCHLINE -L- STA. 70+00.00
 MATCHLINE SEE SHEET UO-6

-LREV- 105'
 PI Sta 59+65.58
 $\Delta = 133' 25' 31.0''$ (LT)
 $D = 12' 27' 20.2''$
 $L = 1,071.21'$
 $T = 1,068.76'$
 $R = 460.00'$
 e = SEE PLANS

-L-
 PI Sta 63+74.08
 $\Delta = 39' 18' 11.5''$ (RT)
 $D = 8' 48' 53.0''$
 $L = 445.88'$
 $T = 232.11'$
 $R = 650.00'$
 e = SEE PLANS

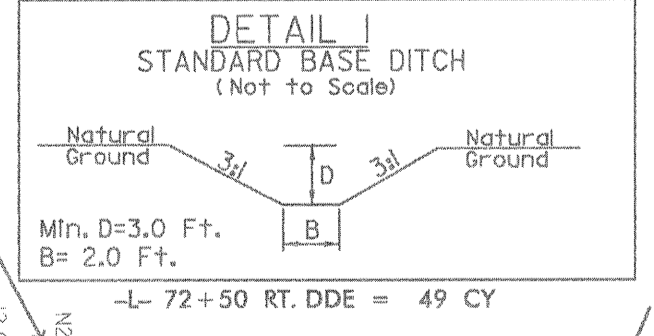
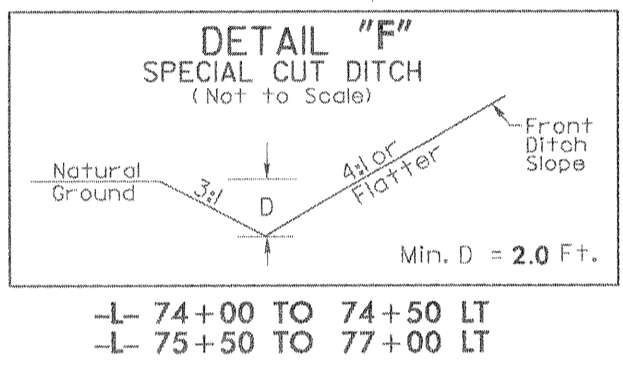
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-
PI Sta 74+88.57 Δ = 34° 02' 51.0" (RT) D = 9' 32' 57.5" L = 356.54' T = 183.71' R = 600.00' e = SEE PLANS

PI Sta 78+29.53 Δ = 1° 22' 49.0" (RT) D = 0' 24' 37.9" L = 336.23' T = 168.12' R = 13,957.00' e = SEE PLANS

-YI-
PI Sta 35+65.60 Δ = 2° 13' 44.0" (RT) D = 0' 24' 37.9" L = 542.95' T = 271.51' R = 13,957.00' e = EXIST

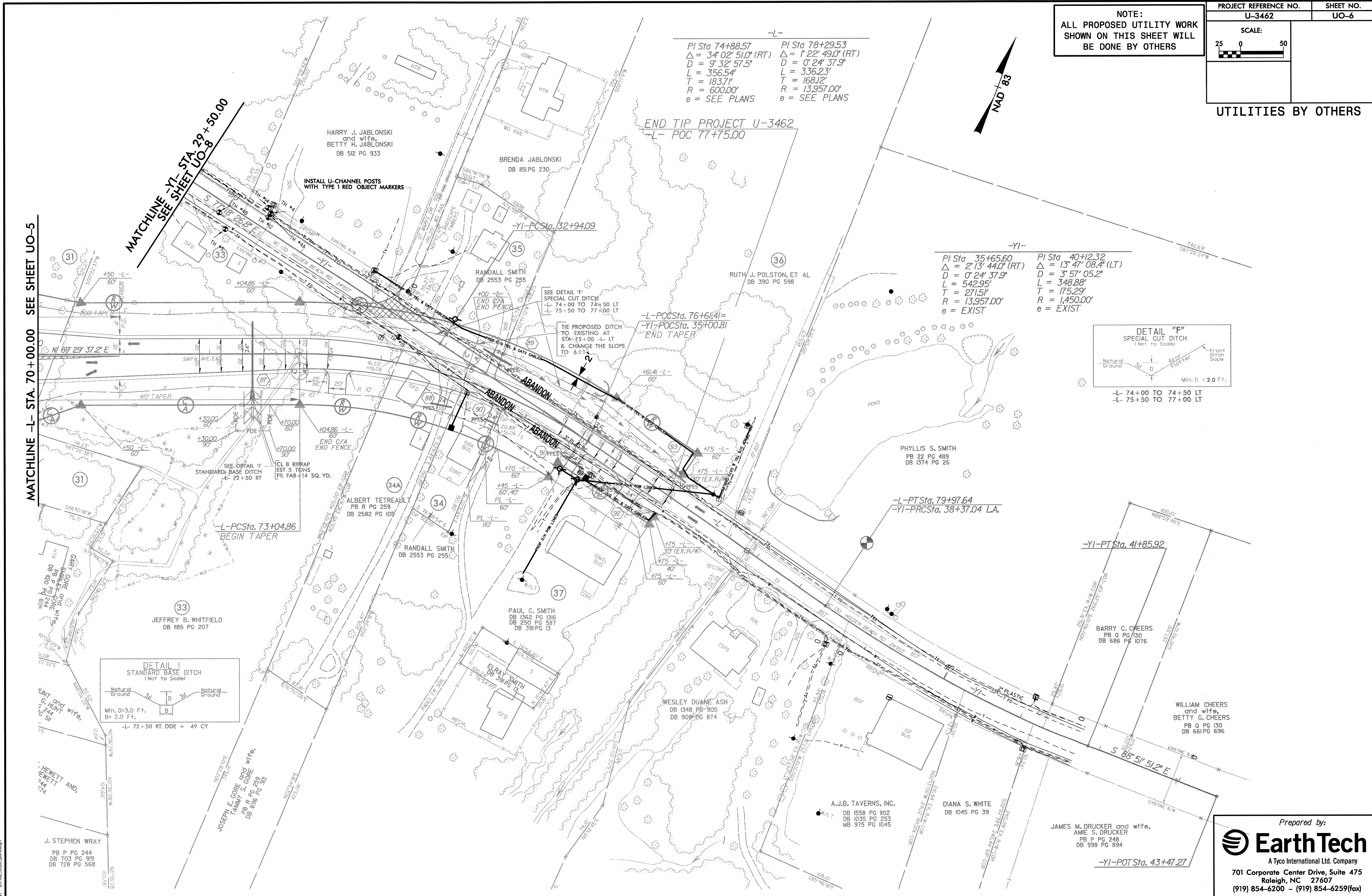
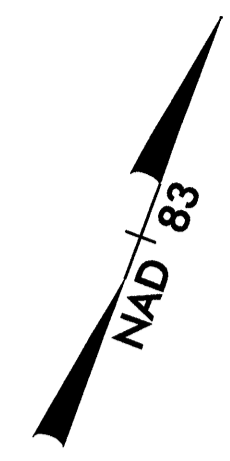
PI Sta 40+12.32 Δ = 13° 47' 08.4" (LT) D = 3' 57' 05.2" L = 348.88' T = 175.29' R = 1,450.00' e = EXIST



MATCHLINE -L- STA. 70+00.00 SEE SHEET UO-5

MATCHLINE -YI- STA. 29+50.00 SEE SHEET UO-8

END TIP PROJECT U-3462
-L- POC 77+75.00

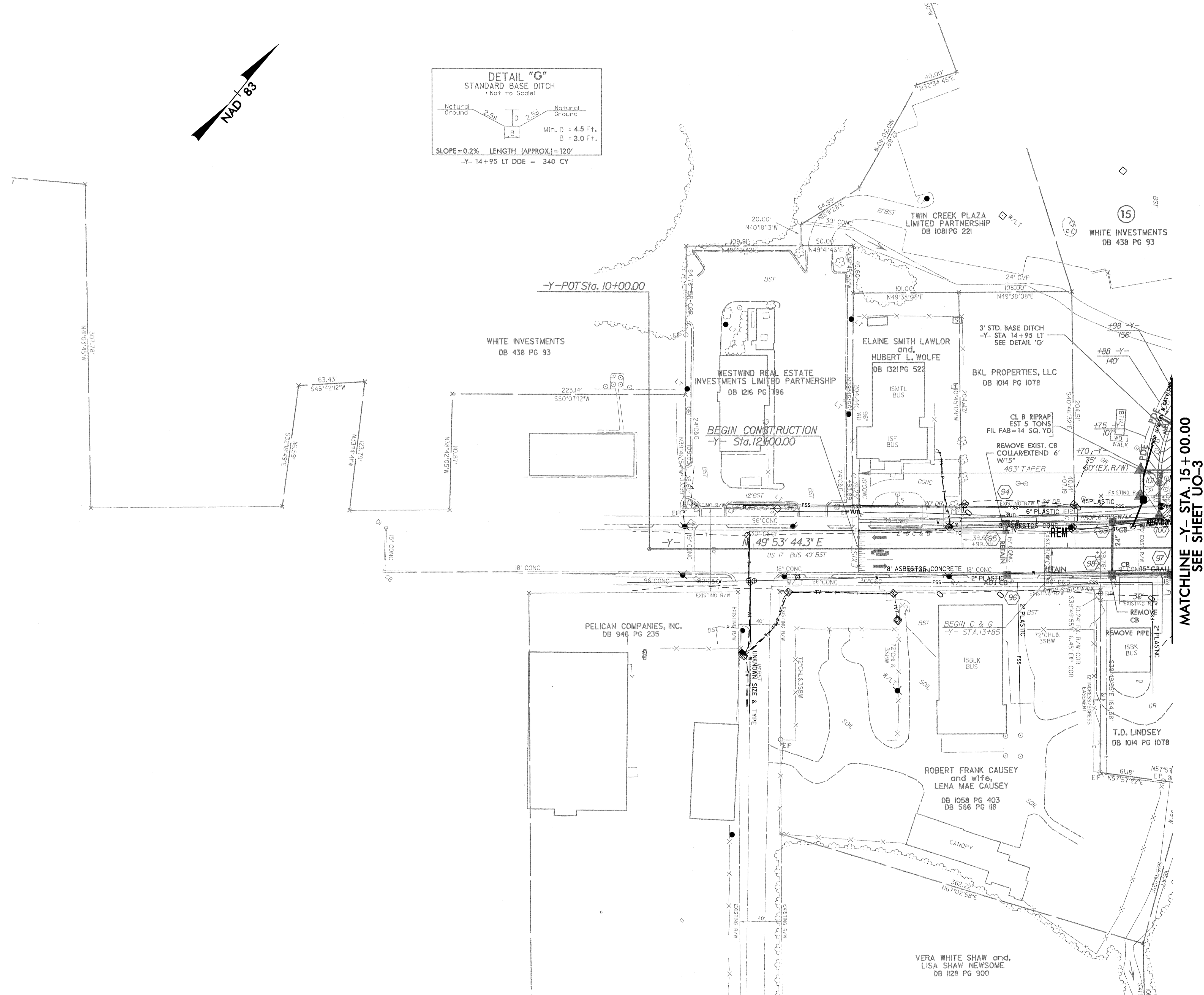
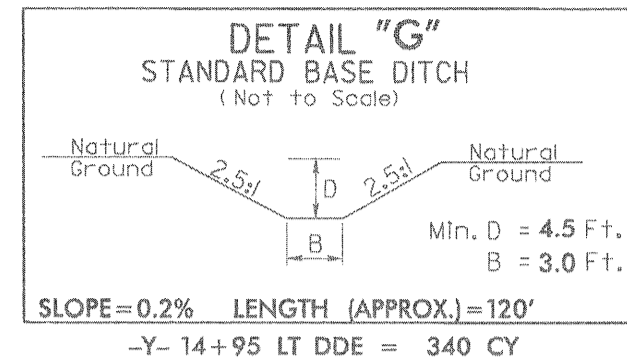
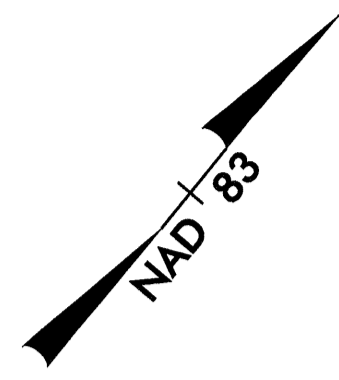


DATE: 9/1/2008
CON: U3462.UO_0516.dgn

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

PROJECT REFERENCE NO. U-3462	SHEET NO. UO-7
SCALE: 25 0 50	

UTILITIES BY OTHERS



MATCHLINE -Y- STA. 15 + 00.00
 SEE SHEET UO-3

DATE: 9/13/2018
 DWN: U-3462.UO.usn7.dgn

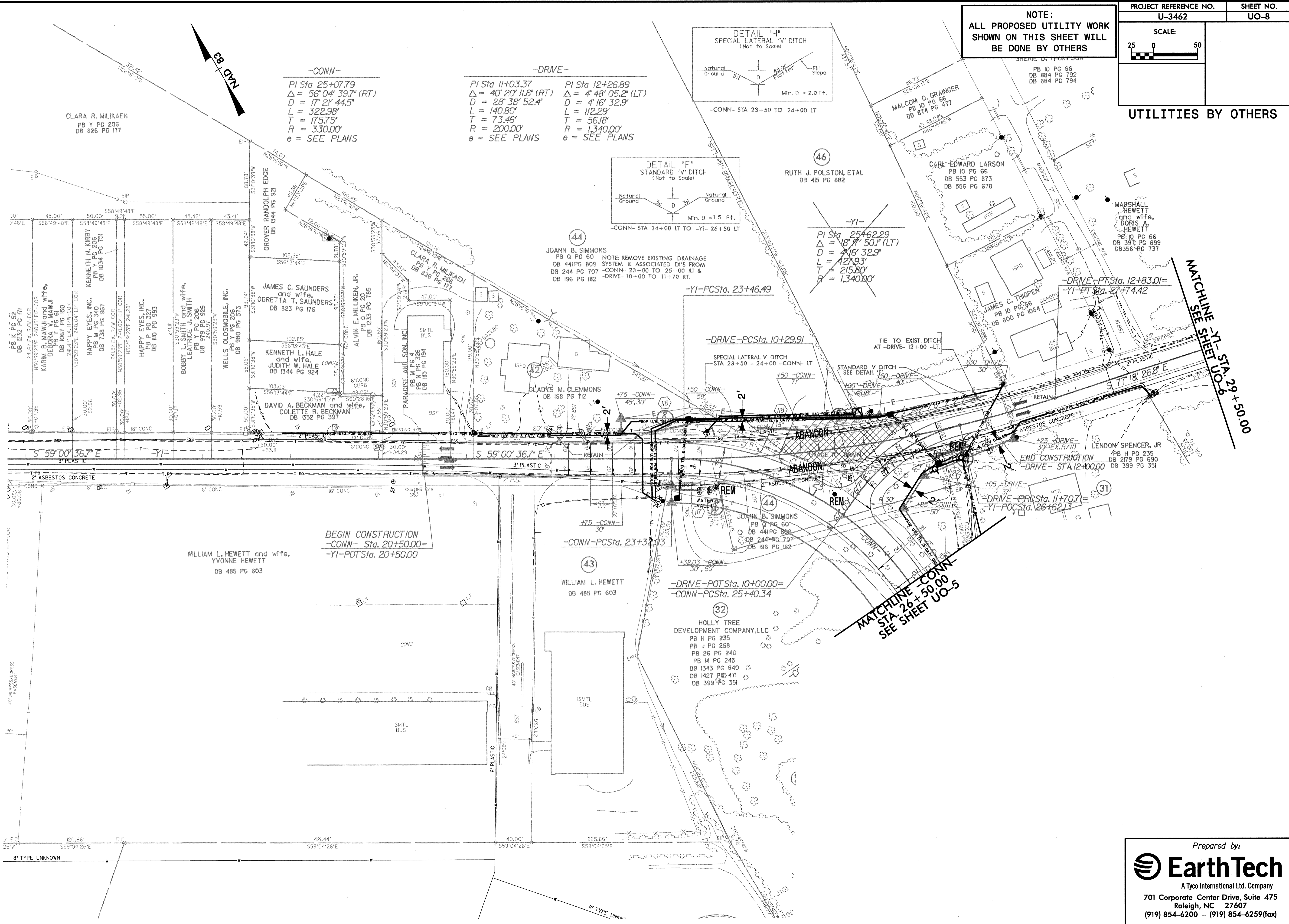
Prepared by:

EarthTech
 A Tyco International Ltd. Company
 701 Corporate Center Drive, Suite 475
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259(fax)

PROJECT REFERENCE NO.	SHEET NO.
U-3462	UO-8
SCALE:	
25 0 50	

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

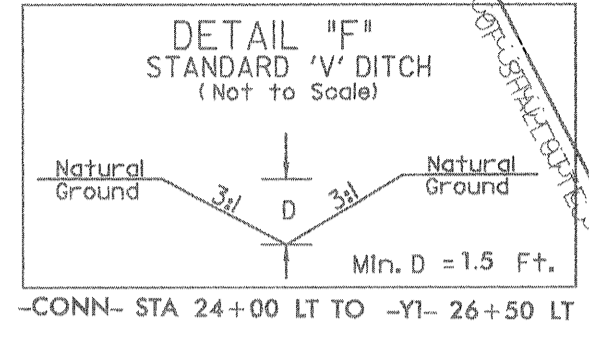
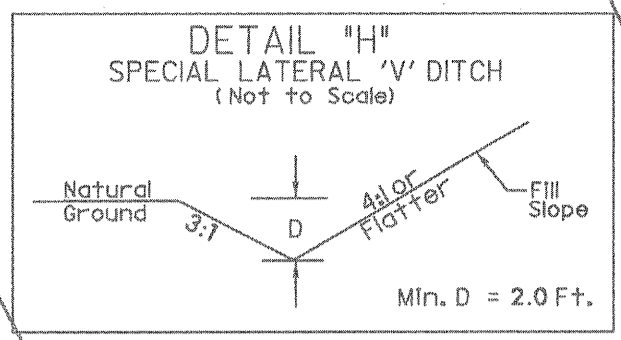
UTILITIES BY OTHERS



-CONN-
PI Sta 25+07.79
 $\Delta = 56^{\circ}04'39.7''$ (RT)
D = 17' 21" 44.5"
L = 322.98'
T = 175.75'
R = 330.00'
e = SEE PLANS

-DRIVE-
PI Sta 11+03.37 $\Delta = 40^{\circ}20'11.8''$ (RT)
D = 28' 38" 52.4"
L = 140.80'
T = 73.46'
R = 200.00'
e = SEE PLANS

PI Sta 12+26.89 $\Delta = 4^{\circ}48'05.2''$ (LT)
D = 4' 16" 32.9"
L = 112.29'
T = 56.18'
R = 1,340.00'
e = SEE PLANS



-YI-
PI Sta 25462.29
 $\Delta = 18^{\circ}7'50.1''$ (LT)
D = 4' 16" 32.9"
L = 427.93'
T = 215.80'
R = 1,340.00'

44
JOANN B. SIMMONS
PB 0 PG 60
DB 44 PG 809
DB 244 PG 707
DB 196 PG 182

NOTE: REMOVE EXISTING DRAINAGE SYSTEM & ASSOCIATED D/S FROM -CONN- 23+00 TO 25+00 RT & -DRIVE- 10+00 TO 11+70 RT.

BEGIN CONSTRUCTION
-CONN- Sta. 20+50.00=
-YI-POT Sta. 20+50.00

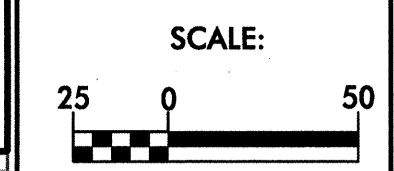
-DRIVE-POT Sta. 10+00.00=
-CONN-PCSta. 25+40.34

MATCHLINE -CONN-
STA 26+50.00
SEE SHEET UO-5

MATCHLINE SHEET UO-6
STA 29+50.00

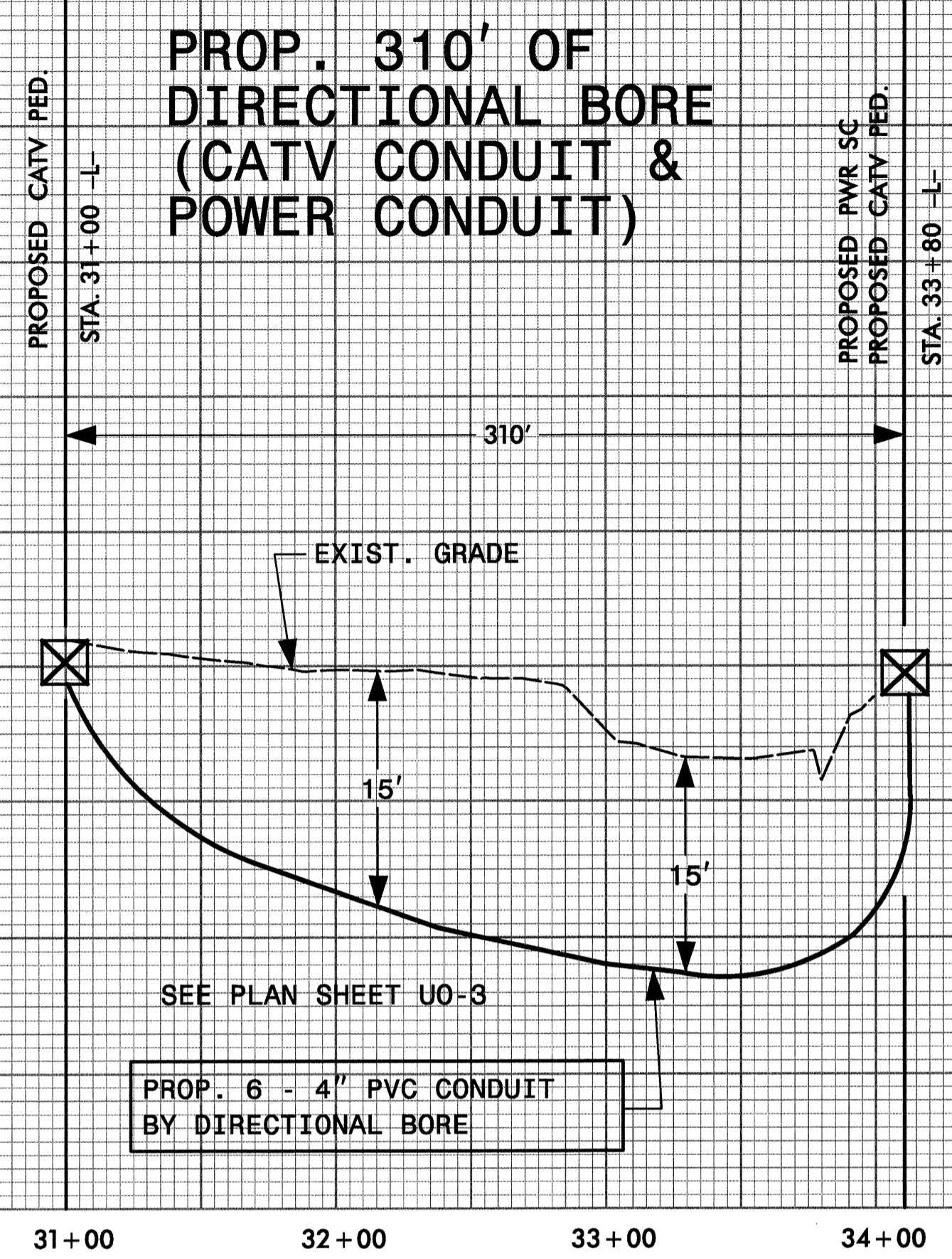
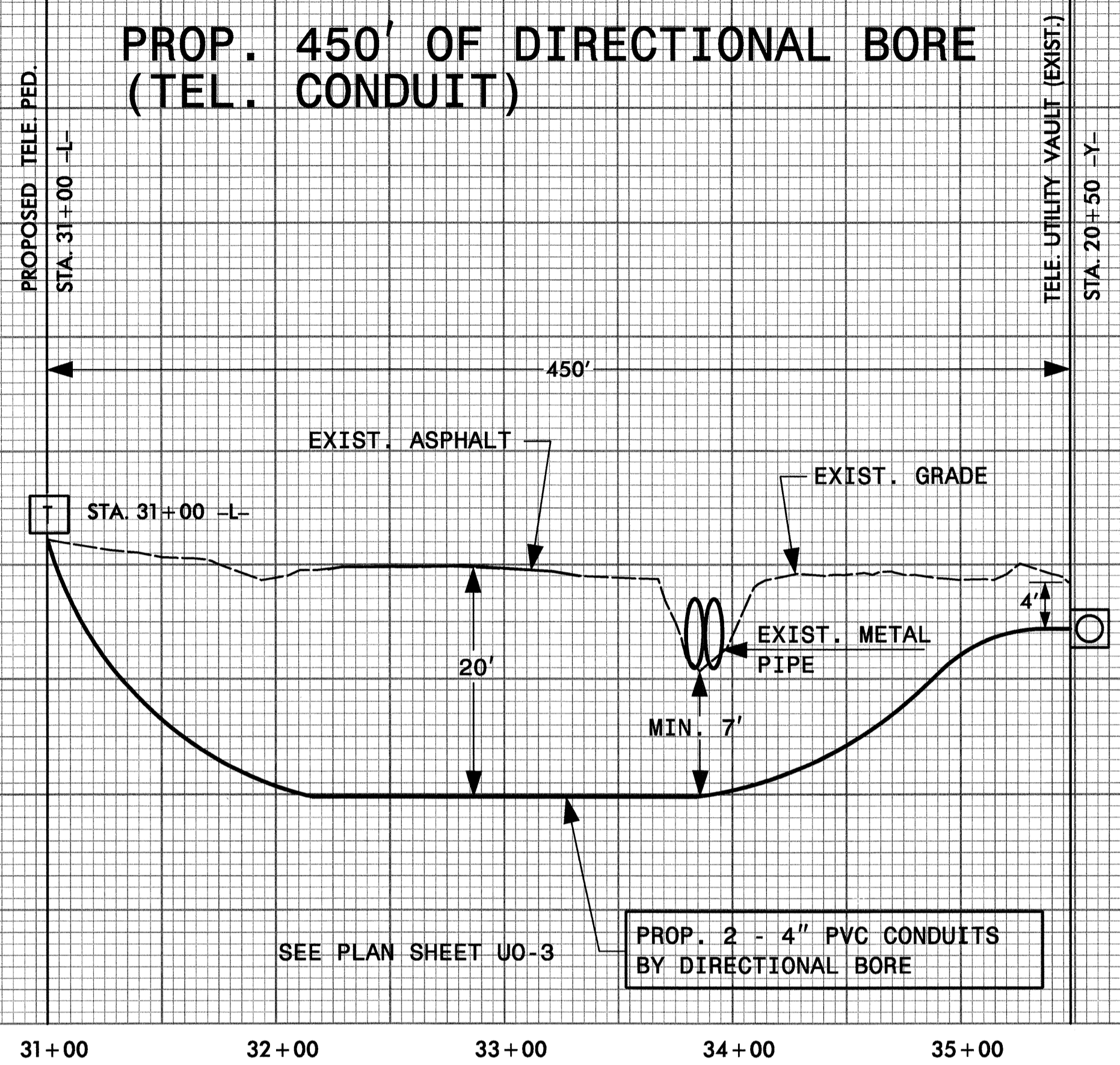
DATE: 9/17/2008
DWG: U3462_UO8_parallel

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



UTILITIES BY OTHERS

	40
	30
	20
	10
	0
	-10
	-20



DATE: 9/3/2008
DWN: U3462_UO-9.dwg