See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C Thru 1-E For Survey Controls Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

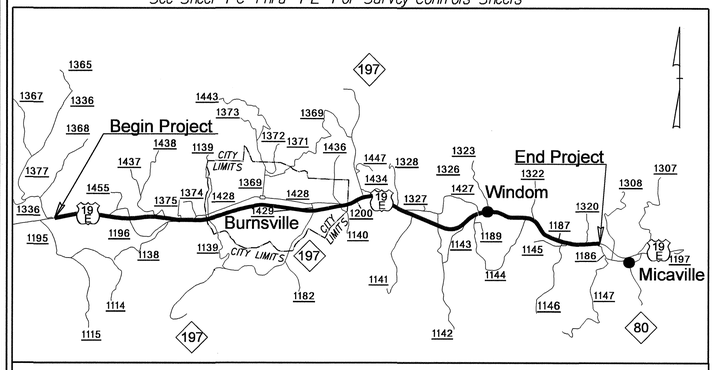
METRIC
ALL DIMENSIONS IN THESE PLANS ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN

T.I.P. NO.	SHEET NO.
R-2519A	UC-1

UTILITY CONSTRUCTION PLANS
YANCEY COUNTY

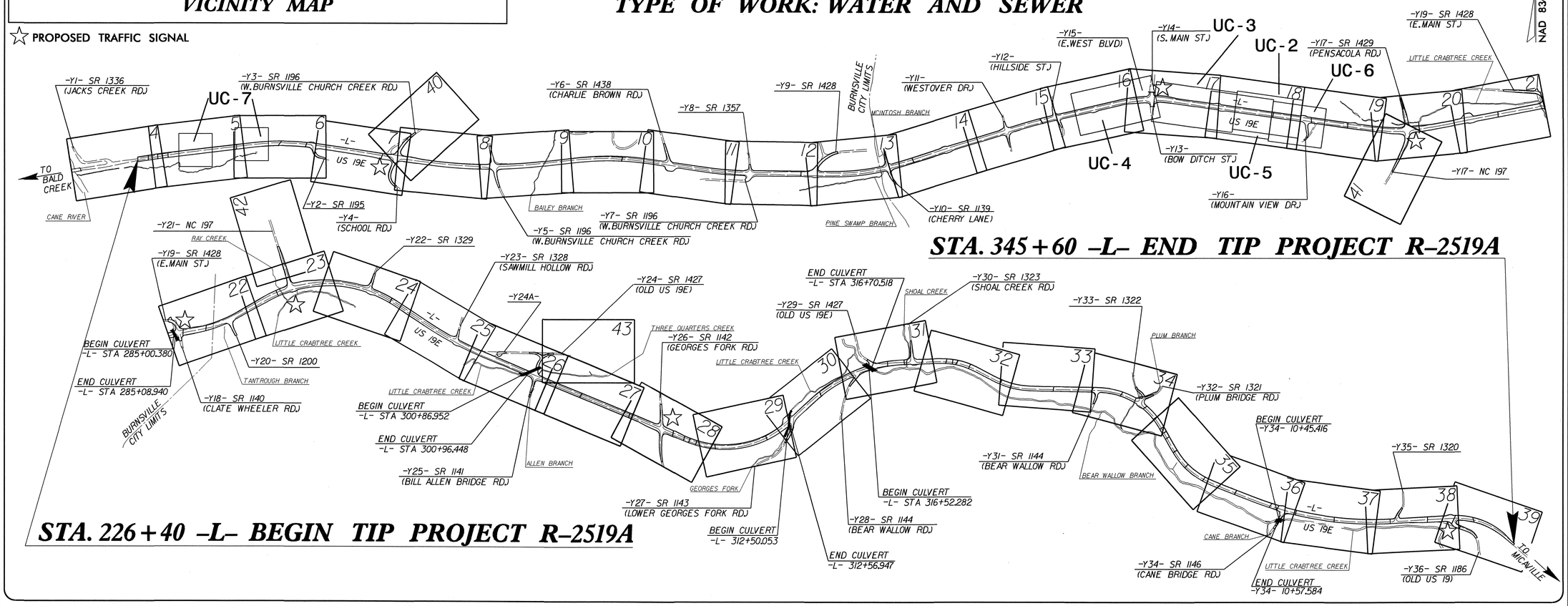
LOCATION: US 19E FROM EAST OF SR 1336 (JACKS CREEK ROAD) TO SR 1186 (OLD US 19)

TYPE OF WORK: WATER AND SEWER



VICINITY MAP

☆ PROPOSED TRAFFIC SIGNAL



PROJECT: R-2519A

GRAPHIC SCALES

5 0 10 PLANS

5 0 10 PROFILE (HORIZONTAL)

1 0 2 PROFILE (VERTICAL)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-3	SEWER CONSTRUCTION PLAN SHEETS
UC-4 THRU UC-7	WATER CONSTRUCTION PLAN SHEETS
UC-8 THRU UC-10	DETAILS SHEETS

WATER AND SEWER OWNERS ON PROJECT

(1) WATER – TOWN OF BURNSVILLE
(2) SANITARY SEWER – TOWN OF BURNSVILLE
(3) FORCE MAIN – TOWN OF BURNSVILLE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 32720 ENGINEER BO HEMPHILL
1/28/2011

PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING SECTION
1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 250-4128
FAX (919) 250-4151

Roger Worthington, P.E.	UTILITIES SECTION ENGINEER
Carl Barclay, P.E.	UTILITIES SQUAD LEADER PROJECT ENGINEER
Bo Hemphill, P.E.	UTILITIES PROJECT DESIGNER

9/16/99
28-JAN-2011 12:54
Bohemphill,ha \\Ad\Ut\Proj\2519a_ut_title_uc01_psh.dgn

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-2

DESIGNED BY: VW
DRAWN BY: BW
CHECKED BY: HB
APPROVED BY: HB
REVISED:

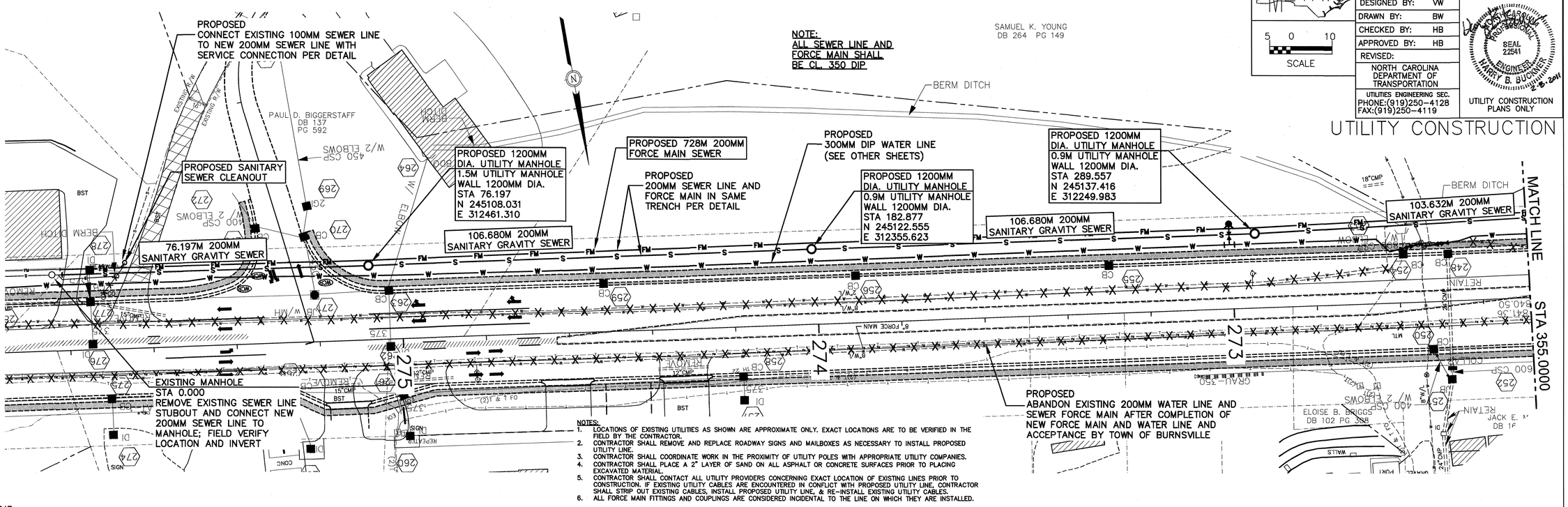
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE:(919)250-4128
FAX:(919)250-4119

SCALE 5 0 10

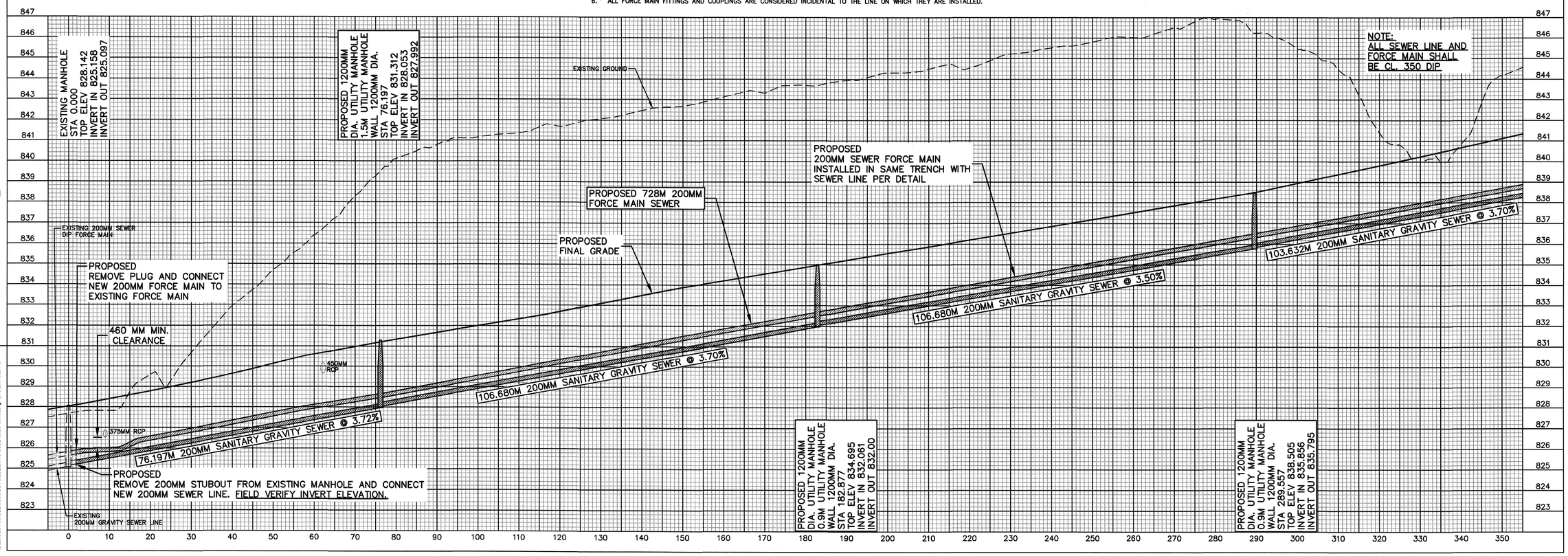
NORTH CAROLINA PROFESSIONAL SEAL 22541 ENGINEER HARRY B. BUCKNER 2-8-2011

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



NOTES:
1. LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. CONTRACTOR SHALL REMOVE AND REPLACE ROADWAY SIGNS AND MAILBOXES AS NECESSARY TO INSTALL PROPOSED UTILITY LINE.
3. CONTRACTOR SHALL COORDINATE WORK IN THE PROXIMITY OF UTILITY POLES WITH APPROPRIATE UTILITY COMPANIES.
4. CONTRACTOR SHALL PLACE A 2" LAYER OF SAND ON ALL ASPHALT OR CONCRETE SURFACES PRIOR TO PLACING EXCAVATED MATERIAL.
5. CONTRACTOR SHALL CONTACT ALL UTILITY PROVIDERS CONCERNING EXACT LOCATION OF EXISTING LINES PRIOR TO CONSTRUCTION. IF EXISTING UTILITY CABLES ARE ENCOUNTERED IN CONFLICT WITH PROPOSED UTILITY LINE, CONTRACTOR SHALL STRIP OUT EXISTING CABLES, INSTALL PROPOSED UTILITY LINE, & RE-INSTALL EXISTING UTILITY CABLES.
6. ALL FORCE MAIN FITTINGS AND COUPLINGS ARE CONSIDERED INCIDENTAL TO THE LINE ON WHICH THEY ARE INSTALLED.



REVISIONS

UC PLAN PROFILE SHEET 34_7449
UC PLAN PROFILE SHEET 34_7450
UC PLAN PROFILE SHEET 34_7451

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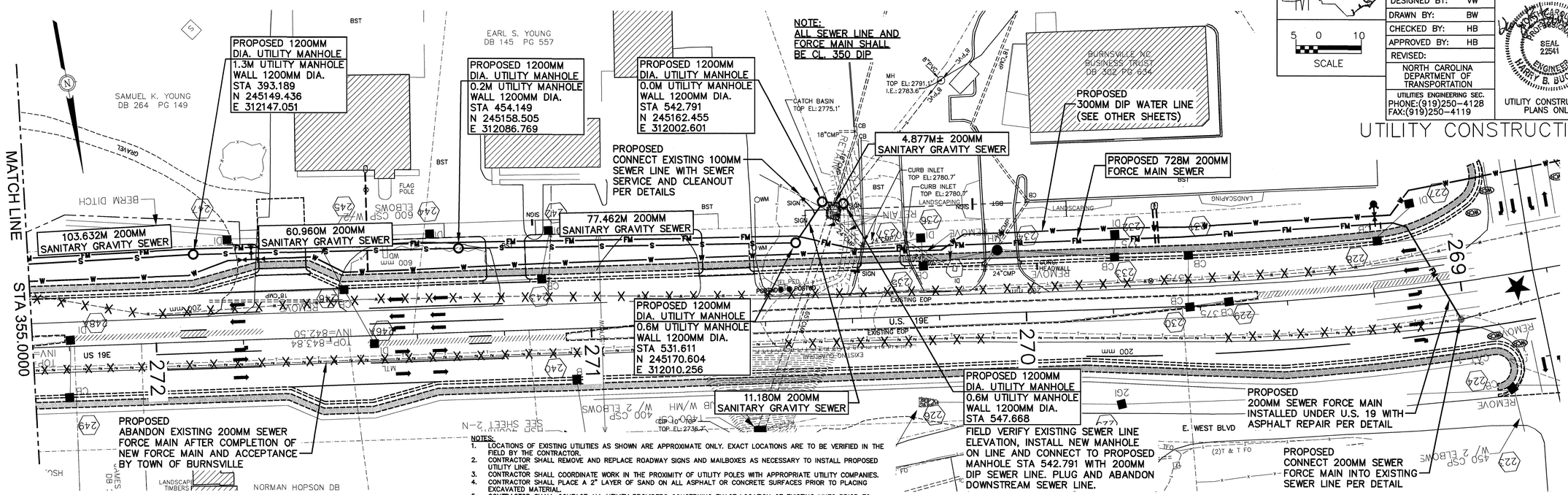
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-3
DESIGNED BY: VW	
DRAWN BY: BW	
CHECKED BY: HB	
APPROVED BY: HB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

METRIC SCALE 5 0 10

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22541 HARRY B. BUCHNER 2-8-2011

UTILITY CONSTRUCTION



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REVISIONS

UC PLAN PROFILE SHEET 34_7449
UC PLAN PROFILE SHEET 34_7450
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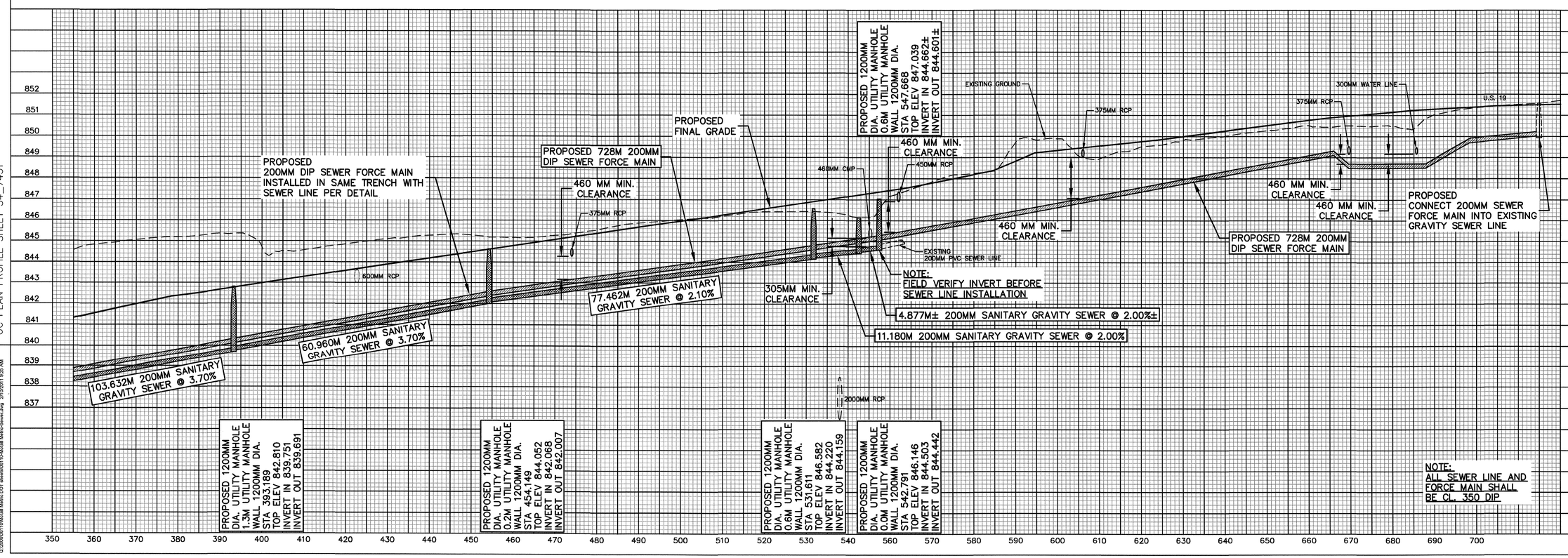

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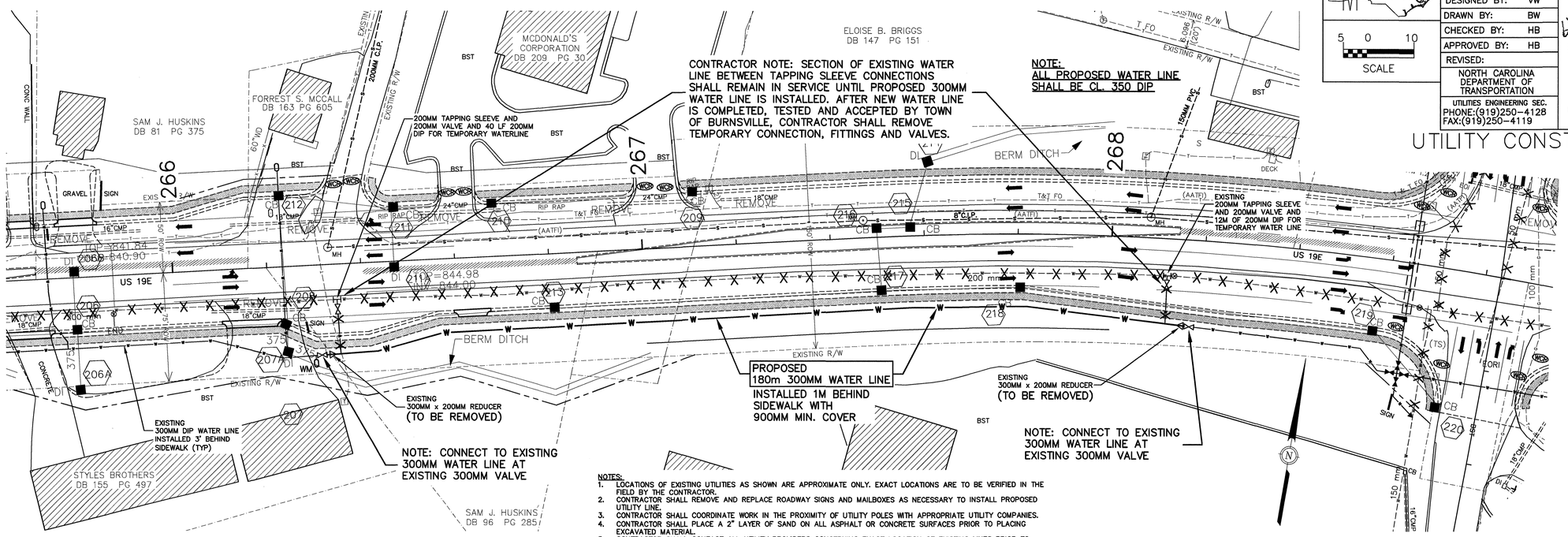
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-4

DESIGNED BY: VW
DRAWN BY: BW
CHECKED BY: HB
APPROVED BY: HB
REVISED:

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

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



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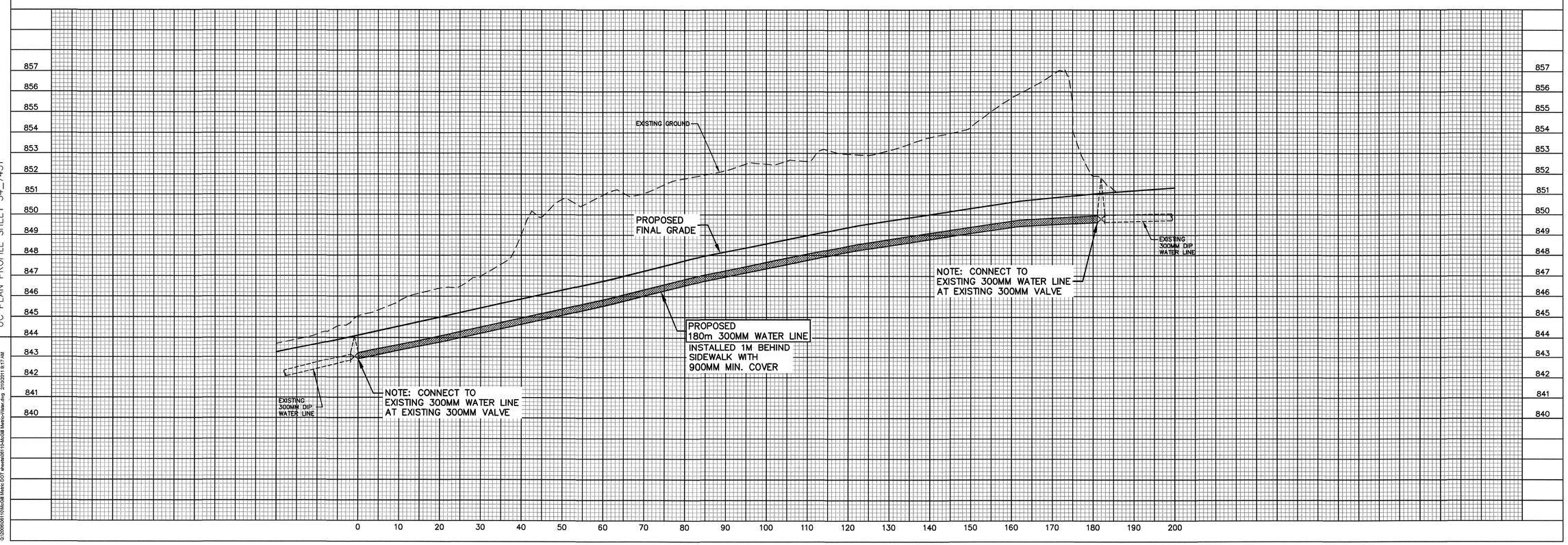

REVISIONS

UC PLAN PROFILE SHEET 34_7449
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UC PLAN PROFILE SHEET 34_7451

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-5
DESIGNED BY: VW	
DRAWN BY: BW	
CHECKED BY: HB	
APPROVED BY: HB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

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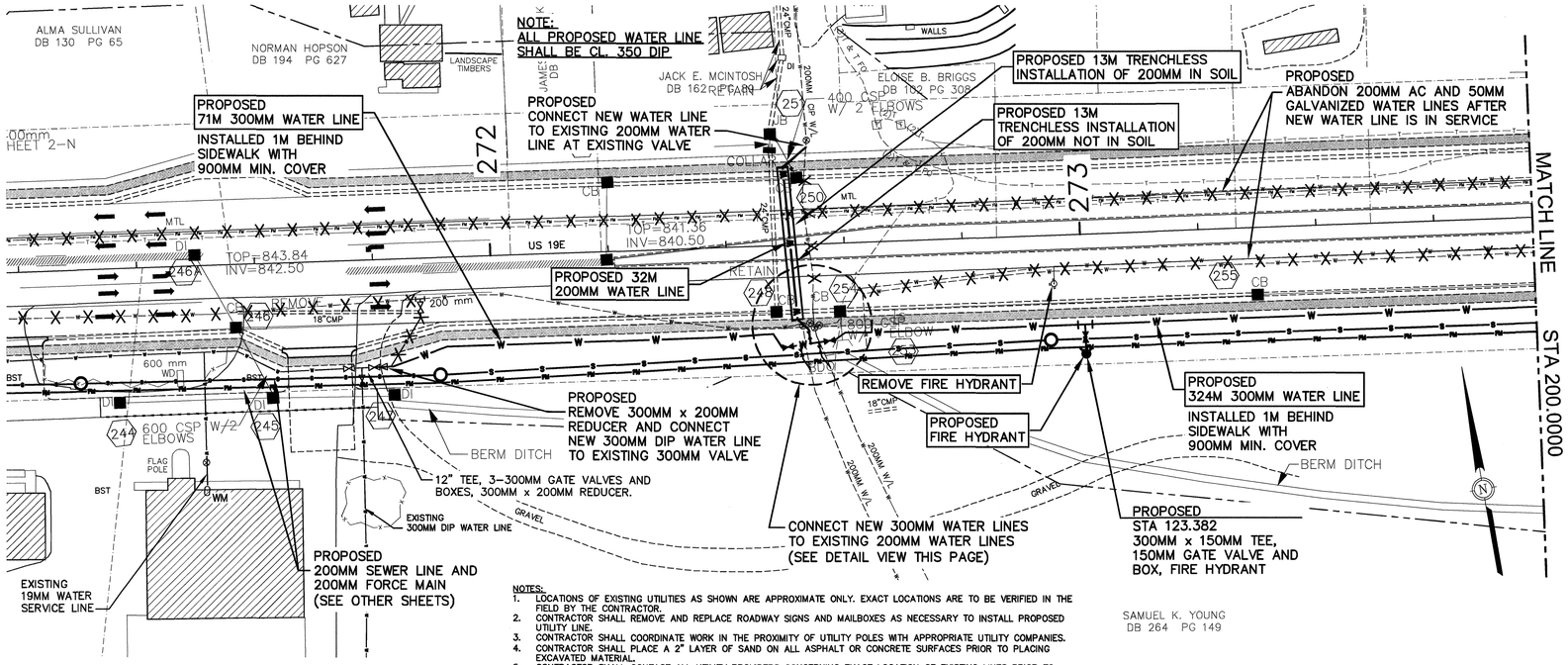
SCALE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22541 HARRY B. BUCHNER 2-8-2011

UTILITY CONSTRUCTION



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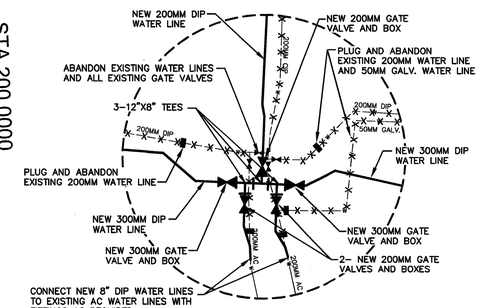
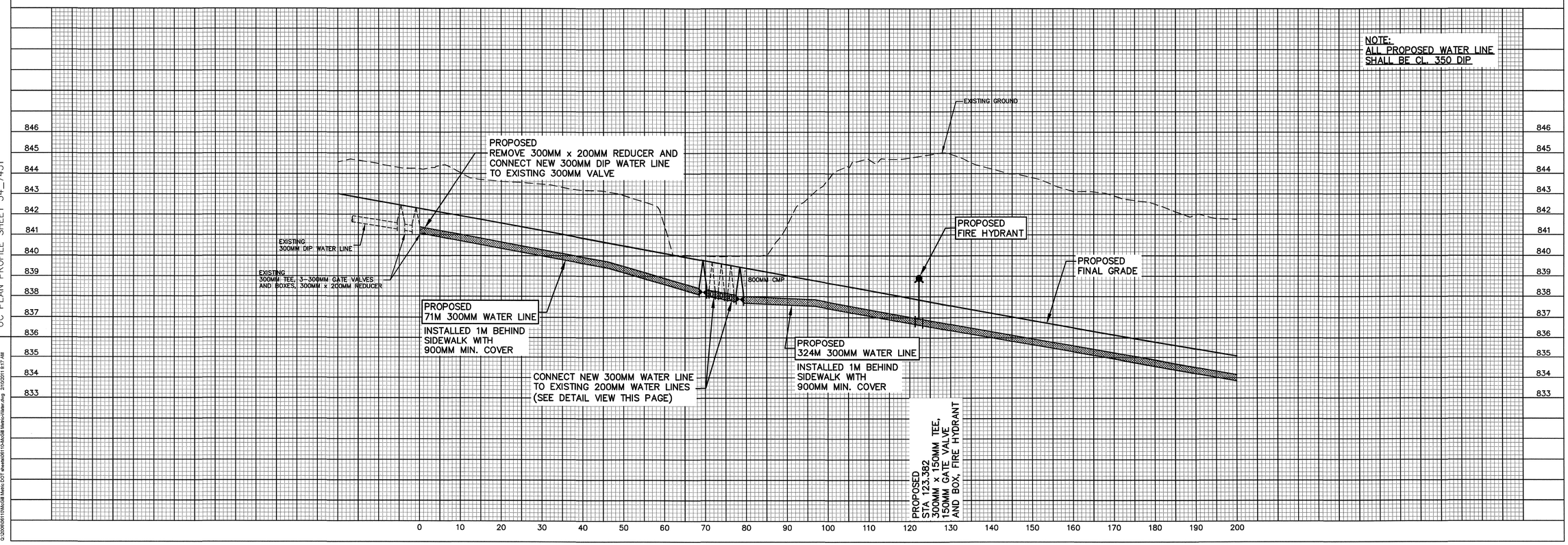


DETAIL
NOT TO SCALE

NOTE:
ALL PROPOSED WATER LINE SHALL BE CL. 350 DIP



REVISIONS

UC PLAN PROFILE SHEET 34_7449
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UC PLAN PROFILE SHEET 34_7451

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PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-6
DESIGNED BY: VW	
DRAWN BY: BW	
CHECKED BY: HB	
APPROVED BY: HB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

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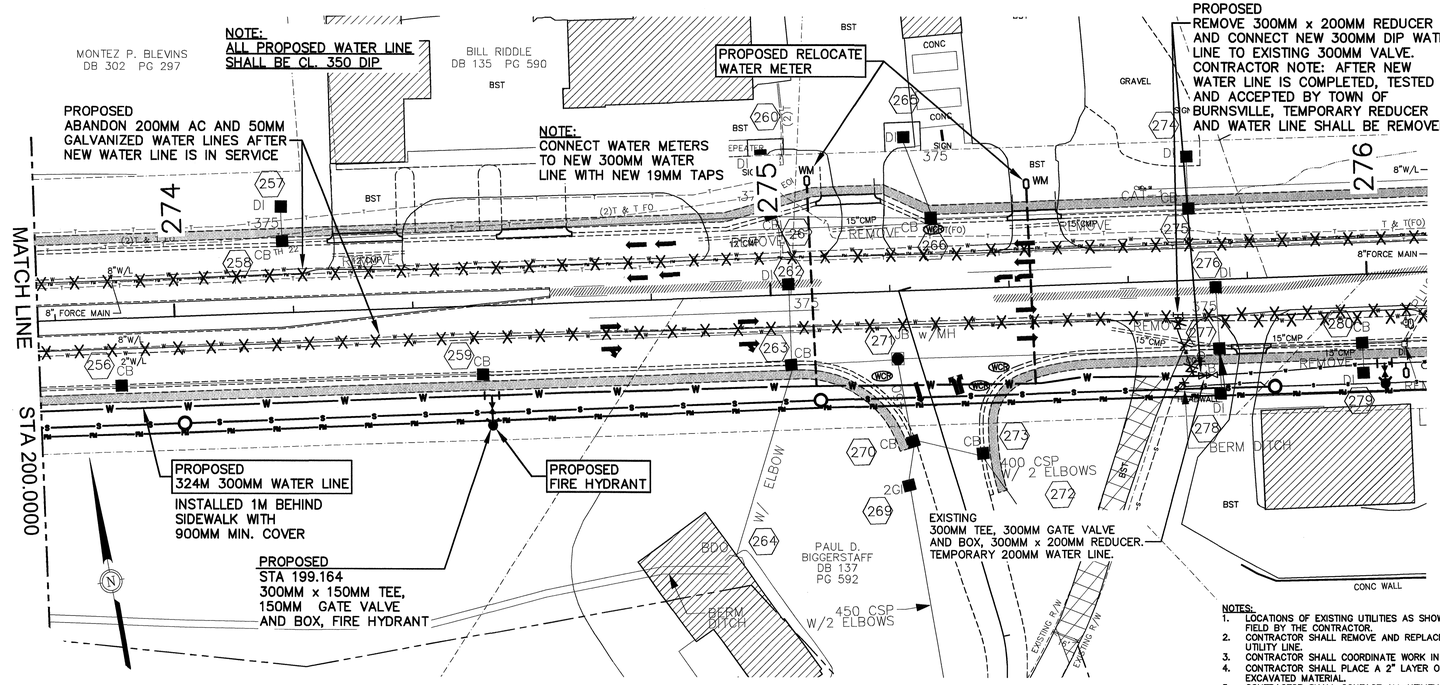
SCALE

NORTH CAROLINA PROFESSIONAL SEAL 22541 ENGINEER HARRY B. BUCHNER

UTILITY CONSTRUCTION



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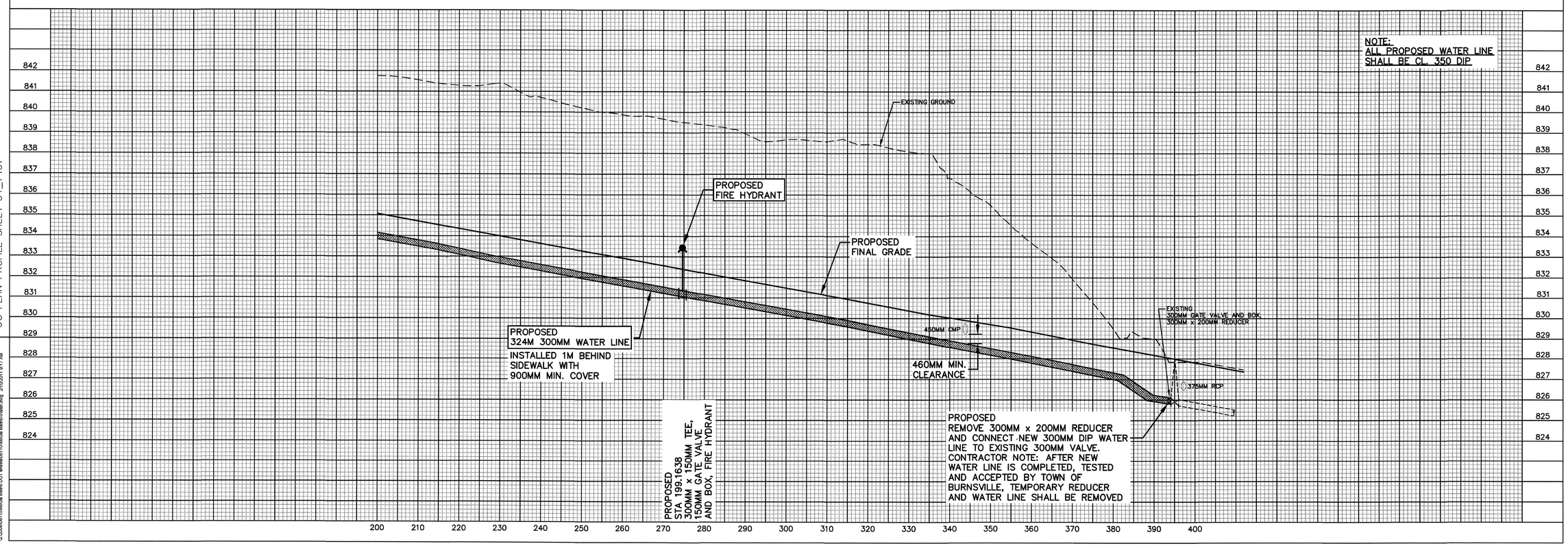

REVISIONS

UC PLAN PROFILE SHEET 34_7449
UC PLAN PROFILE SHEET 34_7450
UC PLAN PROFILE SHEET 34_7451

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PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-7

DESIGNED BY: VW
DRAWN BY: BW
CHECKED BY: HB
APPROVED BY: HB
REVISED:

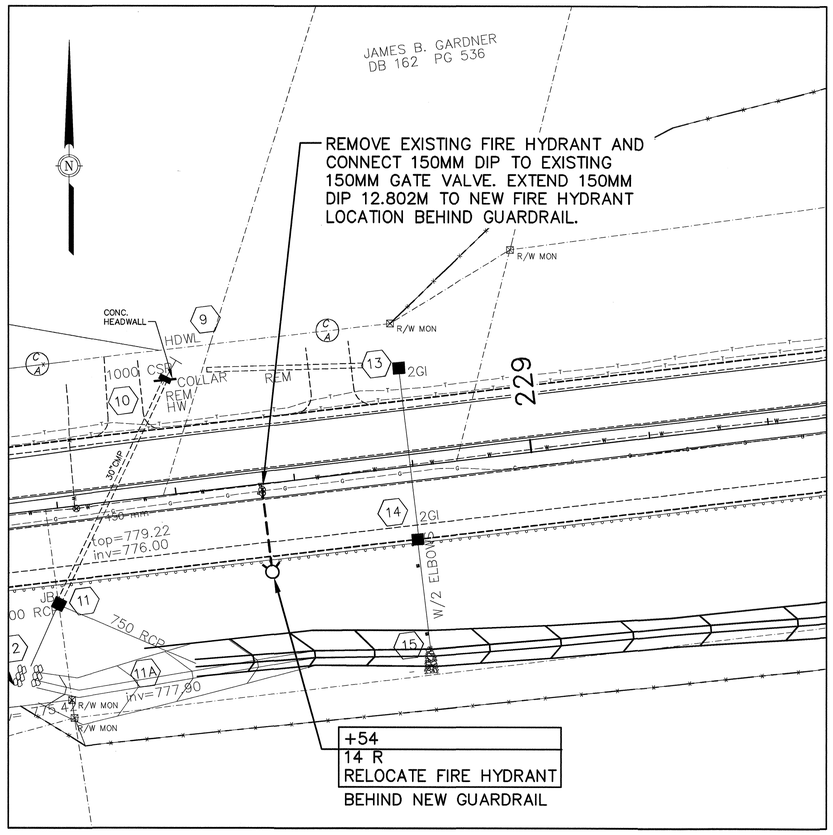
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE:(919)250-4128
FAX:(919)250-4119

UTILITY CONSTRUCTION PLANS ONLY

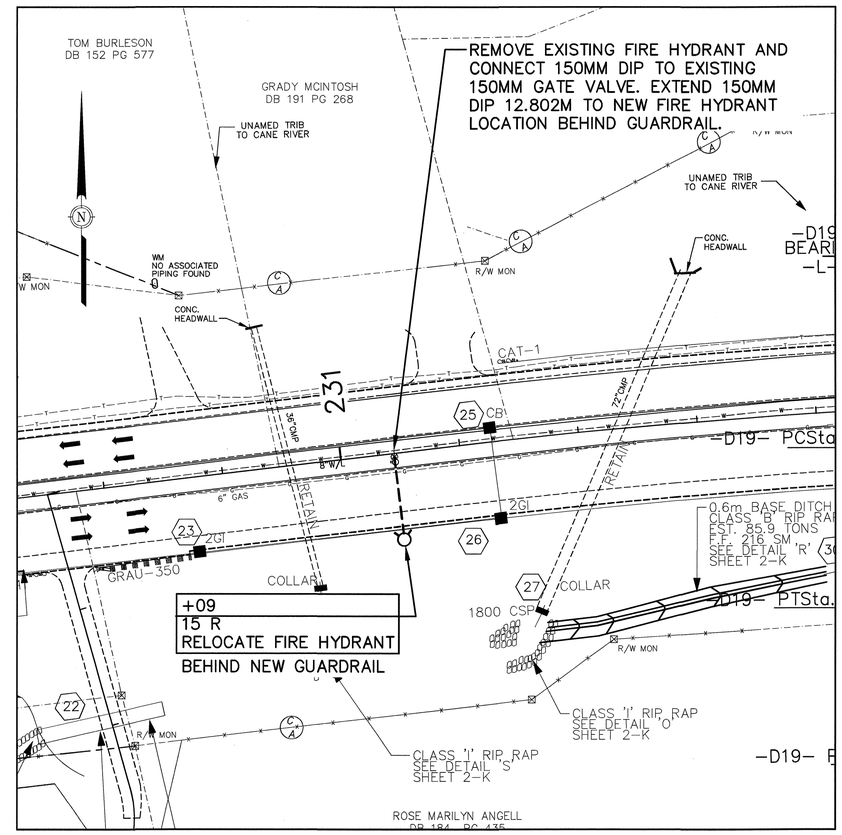
5 0 10
SCALE

UTILITY CONSTRUCTION

FIRE HYDRANT LOCATION NO. 1



FIRE HYDRANT LOCATION NO. 2



NOTE: LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE ONLY.
EXACT LOCATIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-8

DESIGNED BY: VW
DRAWN BY: BW
CHECKED BY: HB
APPROVED BY: HB
REVISED:

NOT TO SCALE

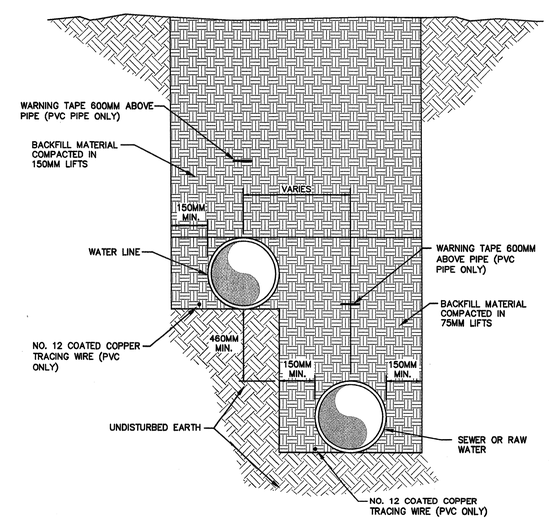
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE:(919)250-4128
FAX:(919)250-4119

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22541 HARRY B. BUCKNER 2-8-2011

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

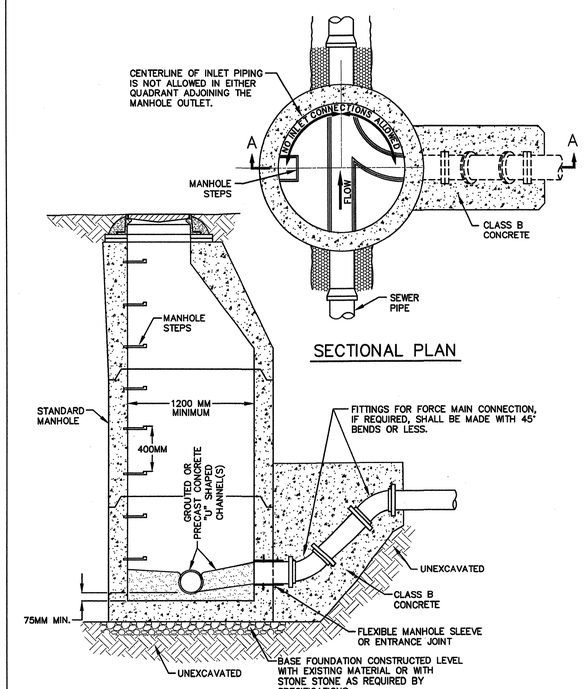


NOTE: CONTRACTOR SHALL FURNISH AND INSTALL METALLIC WARNING TAPE 600MM ABOVE THE PIPE AND COPPER TRACING WIRE FOR PVC PIPE INSTALLATION ONLY.

NOTE:
1. CONSTRUCTION OF TRENCHES SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY AND HEALTH REGULATIONS WHICH HAVE JURISDICTION AT THE PROJECT SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE APPLICABLE REGULATIONS AND FOLLOW THEM ACCORDINGLY.
2. PAYMENT FOR ROCK EXCAVATION AND SELECT BACKFILL IN TRENCH SHALL BE FOR ACTUAL QUANTITIES AND SHALL NOT EXCEED THE WIDTH OF TRENCH SHOWN ON THIS DETAIL.

TYPICAL TRENCHING DETAIL-
TWO PIPES IN SAME TRENCH

REVISION DATE - NOVEMBER 3, 2008



NOTE: IF FORCE MAIN CONNECTION IS MADE TO EXISTING MANHOLE, INVERT FOR FORCE MAIN SHALL BE CONSTRUCTED ON TOP OF EXISTING INVERT BENCH

SECTION A-A

FORCE MAIN CONNECTION

REVISION DATE - NOVEMBER 3, 2008

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METRIC	PROJECT REFERENCE NO.	SHEET NO.
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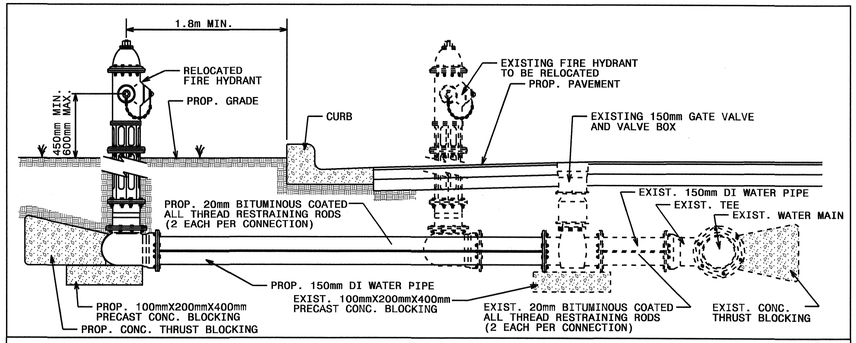
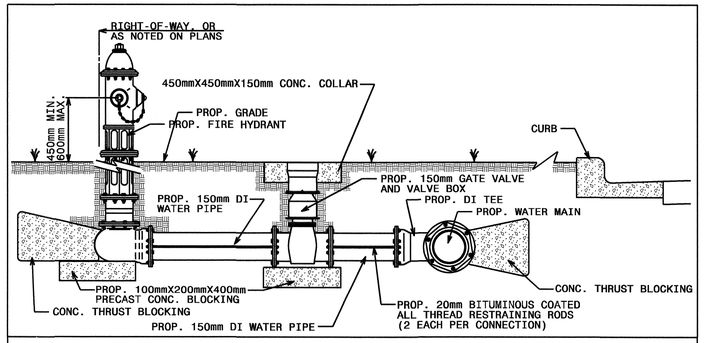
	DESIGNED BY: BH	
	DRAWN BY: SAB	
	CHECKED BY: CAB	
	APPROVED BY: CAB	
	REVISED:	
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
	UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 32720 ENGINEER B. HEMPHILL 1/23/2011

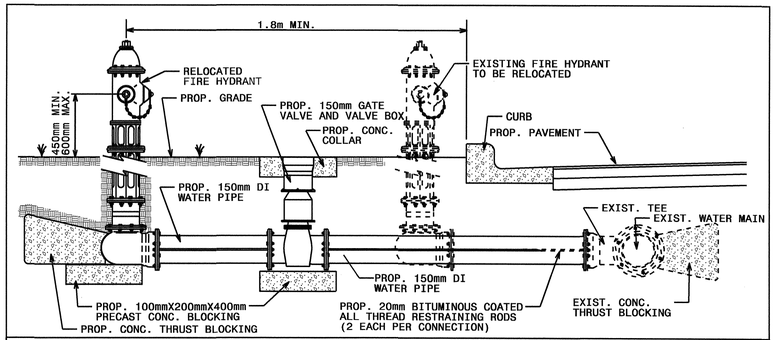
UTILITY CONSTRUCTION



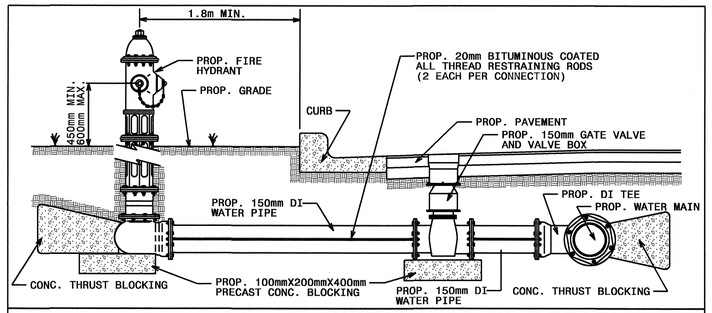
FIRE HYDRANT RELOCATION DETAIL



FIRE HYDRANT INSTALLATION DETAIL (UNPAVED AREAS)

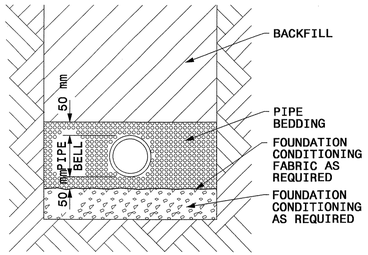


FIRE HYDRANT RELOCATION DETAIL



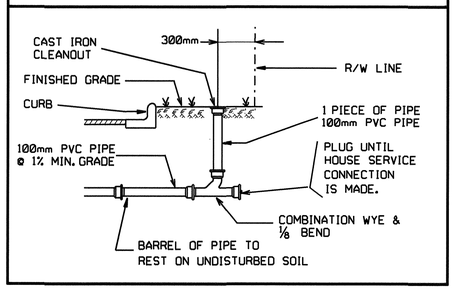
FIRE HYDRANT INSTALLATION DETAIL (PAVED AREAS)

TRENCH DETAIL

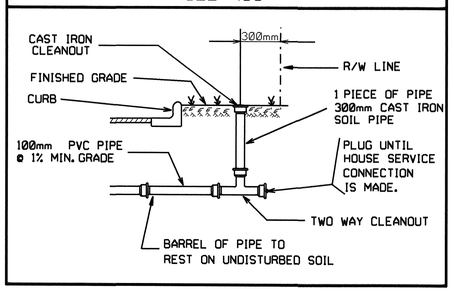


PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER. PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

SANITARY SEWER CLEANOUT



SANITARY SEWER CLEANOUT



MAXIMUM TRENCH WIDTH AT TOP OF PIPE

NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meters)	NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meters)
102	0.72	508	1.12
152	0.76	610	1.22
203	0.81	762	1.37
254	0.86	914	1.57
305	0.91	1067	1.68
356	0.97	1219	1.83
406	1.02	1400	1.98
457	1.07		

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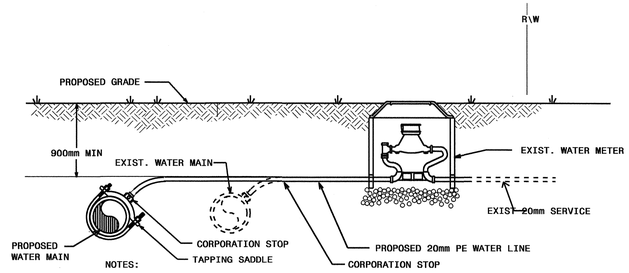
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UC-10
DESIGNED BY: BH	
DRAWN BY: SAB	
CHECKED BY: CAB	
APPROVED BY: CAB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

METRIC

5 0 10
SCALE

NORTH CAROLINA PROFESSIONAL SEAL 32720 ENGINEER BRO HEMPHILL
1/23/2014

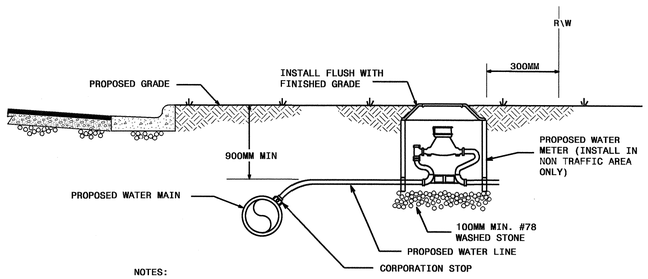
UTILITY CONSTRUCTION



NOTES:

1. INSTALLATION SHALL INCLUDE 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 INSTALLED WITH A MINIMUM OF 900mm COVER BELOW FINISHED GRADE.

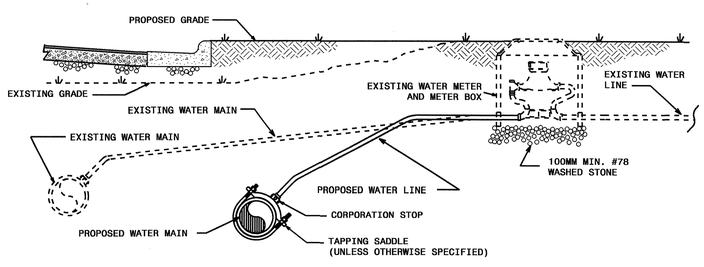
RECONNECT EXISTING WATER METER DETAIL



NOTES:

1. INSTALLATION SHALL INCLUDE 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 INSTALLED WITH A MINIMUN OF 900MM COVER BELOW FINISHED GRADE.

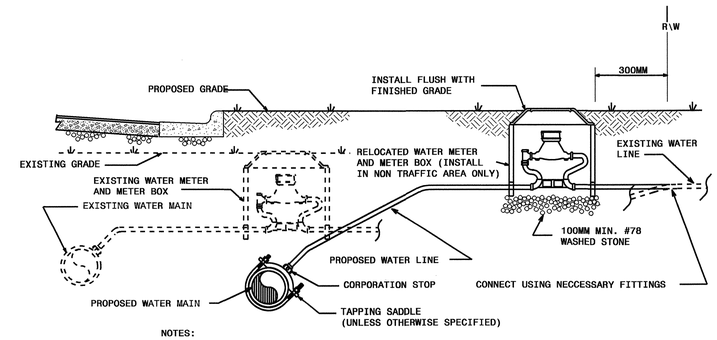
WATER METER INSTALLATION DETAIL



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 900MM COVER BELOW FINISHED GRADE.

RECONNECT EXISTING WATER METER DETAIL



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.
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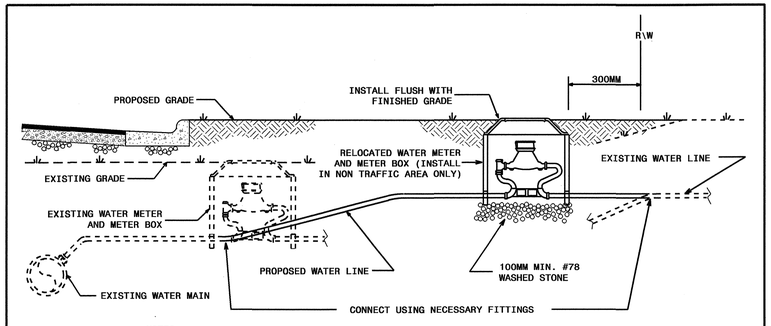
WATER METER RELOCATION DETAIL



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.
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WATER METER RELOCATION DETAIL

8/17/99

28-JAN-2013:45
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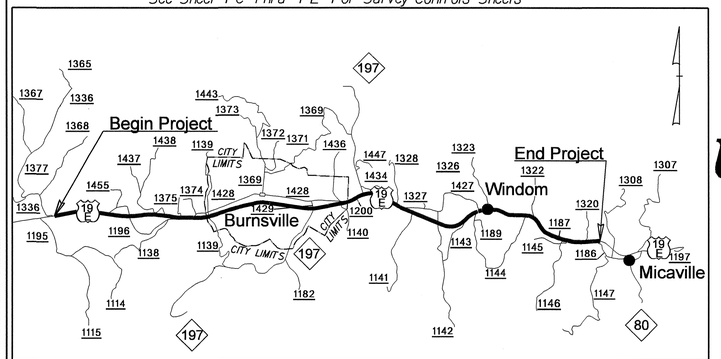
Rhorton at [illegible]

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C Thru 1-E For Survey Controls Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC
ALL DIMENSIONS IN THESE PLANS ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN

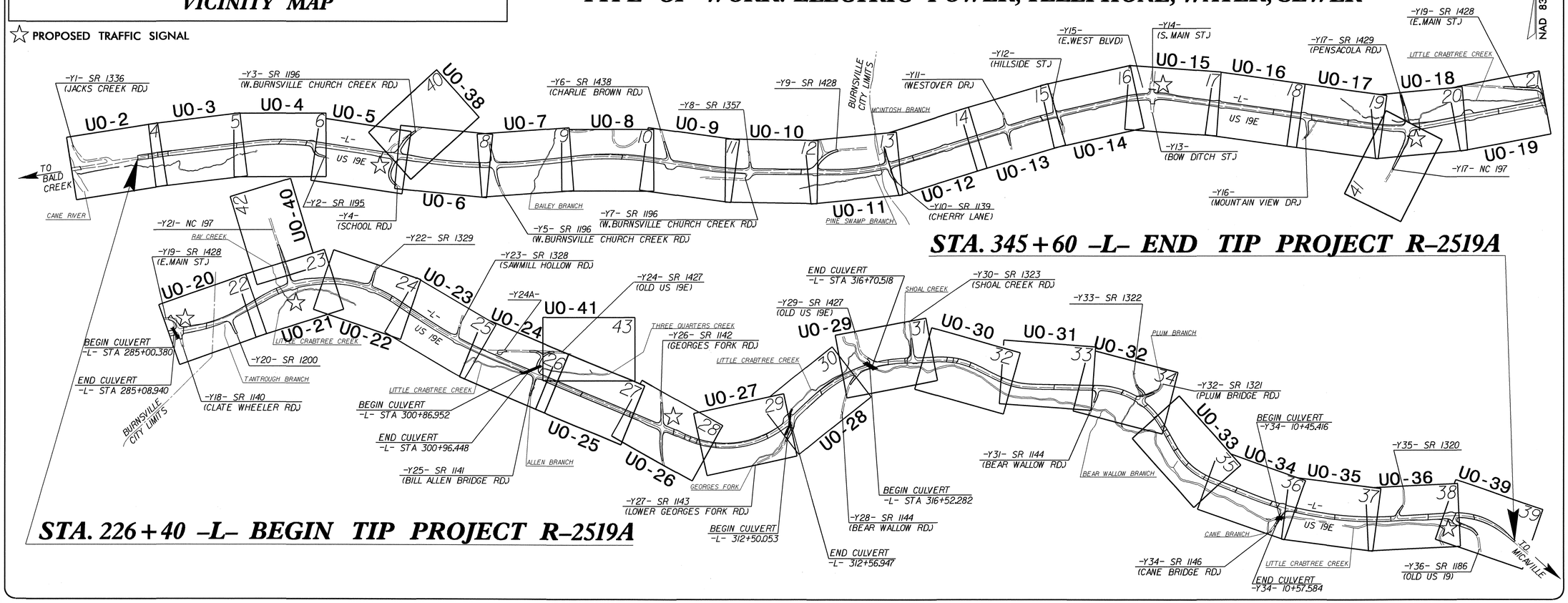
T.I.P. NO.	SHEET NO.
R-2519A	UO-1

UTILITIES BY OTHERS PLANS
YANCEY COUNTY

LOCATION: US 19E FROM EAST OF SR 1336 (JACKS CREEK ROAD) TO SR 1186 (OLD US 19)

TYPE OF WORK: ELECTRIC POWER, TELEPHONE, WATER, SEWER

☆ PROPOSED TRAFFIC SIGNAL



STA. 345+60 –L– END TIP PROJECT R–2519A

STA. 226+40 –L– BEGIN TIP PROJECT R–2519A

PROJECT: R–2519A

GRAPHIC SCALES

PLANS 5 0 10

PROFILE (HORIZONTAL) 5 0 10

PROFILE (VERTICAL) 1 0 2

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO–1	TITLE SHEET
UO–2 THRU UO–41	UTILITIES BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT

(1) ELECTRIC POWER – FRENCH BROAD EMC
(2) TELEPHONE – FRONTIER COMMUNICATIONS CORP.
(3) CABLE TV – CHARTER COMMUNICATIONS CORP.
(4) GAS – PIEDMAONT NATURAL GAS
(5) WATER AND SEWER – TOWN OF BURNSVILLE

PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING SECTION
1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 250-4128
FAX (919) 250-4151

Roger Worthington, P.E. — UTILITIES SECTION ENGINEER
Carl Barclay, P.E. — UTILITIES SQUAD LEADER PROJECT ENGINEER
Bo Hemphill, P.E. — UTILITIES PROJECT DESIGNER

9/09/99
27-JAN-2011 13:
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bhemphill 9:41:10 124449

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-2

UTILITIES BY OTHERS

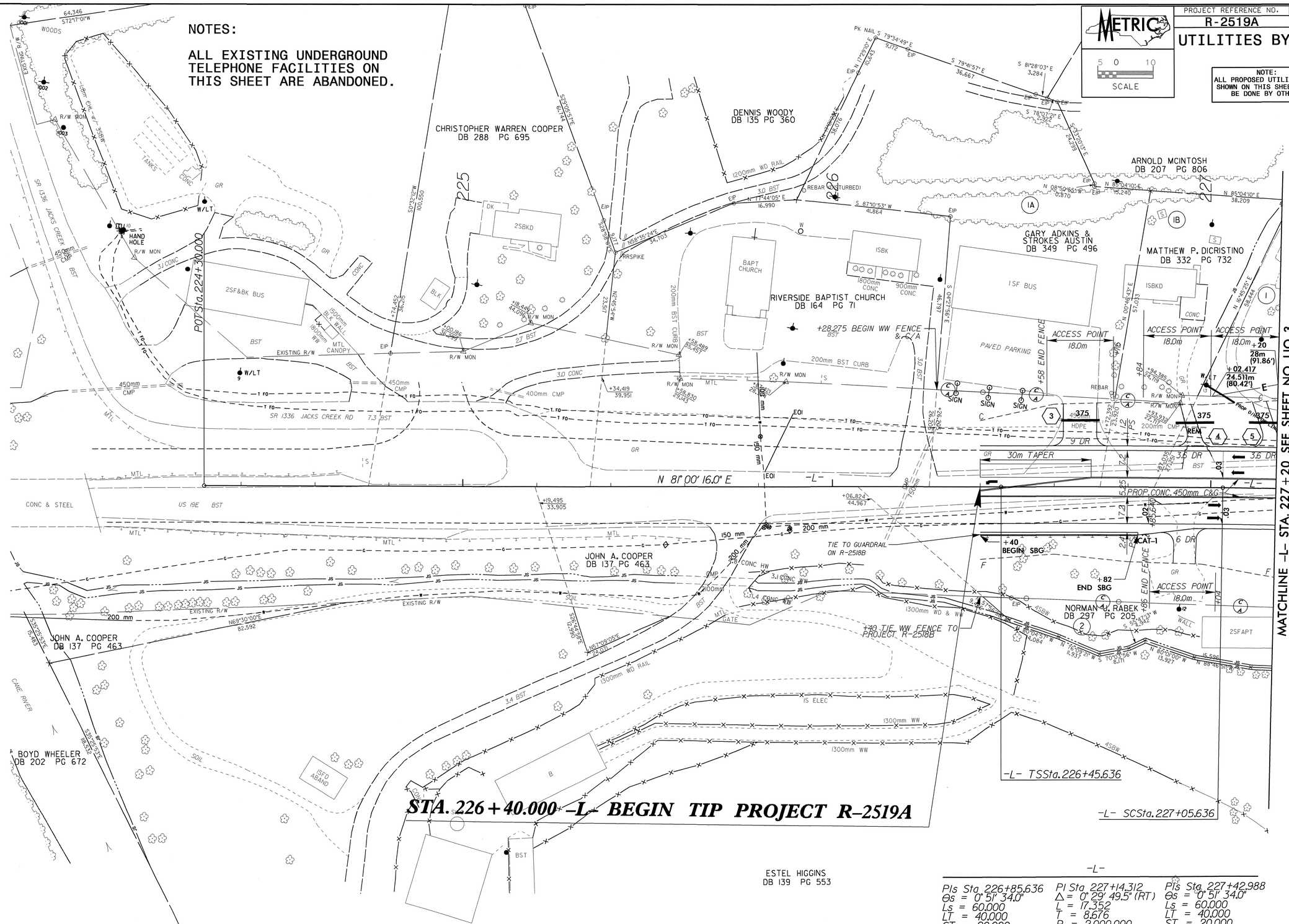
METRIC

5 0 10
SCALE

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



-L-

PIs Sta 226+85.636	PI Sta 227+14.312	PIs Sta 227+42.988
Θs = 0° 51' 34.0"	Δ = 0° 29' 49.5" (RT)	Θs = 0° 51' 34.0"
Ls = 60.000	L = 17.352	Ls = 60.000
LT = 40.000	T = 8.676	LT = 40.000
ST = 20.000	R = 2,000.000	ST = 20.000
	SE = 0.03	

8/17/99

27-JAN-2011 14:53
R:\Utilities\Rdy\Utl2_r2519a_ut_04_uo02_psh.dgn
$$$$usmtuser$$$$

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-3

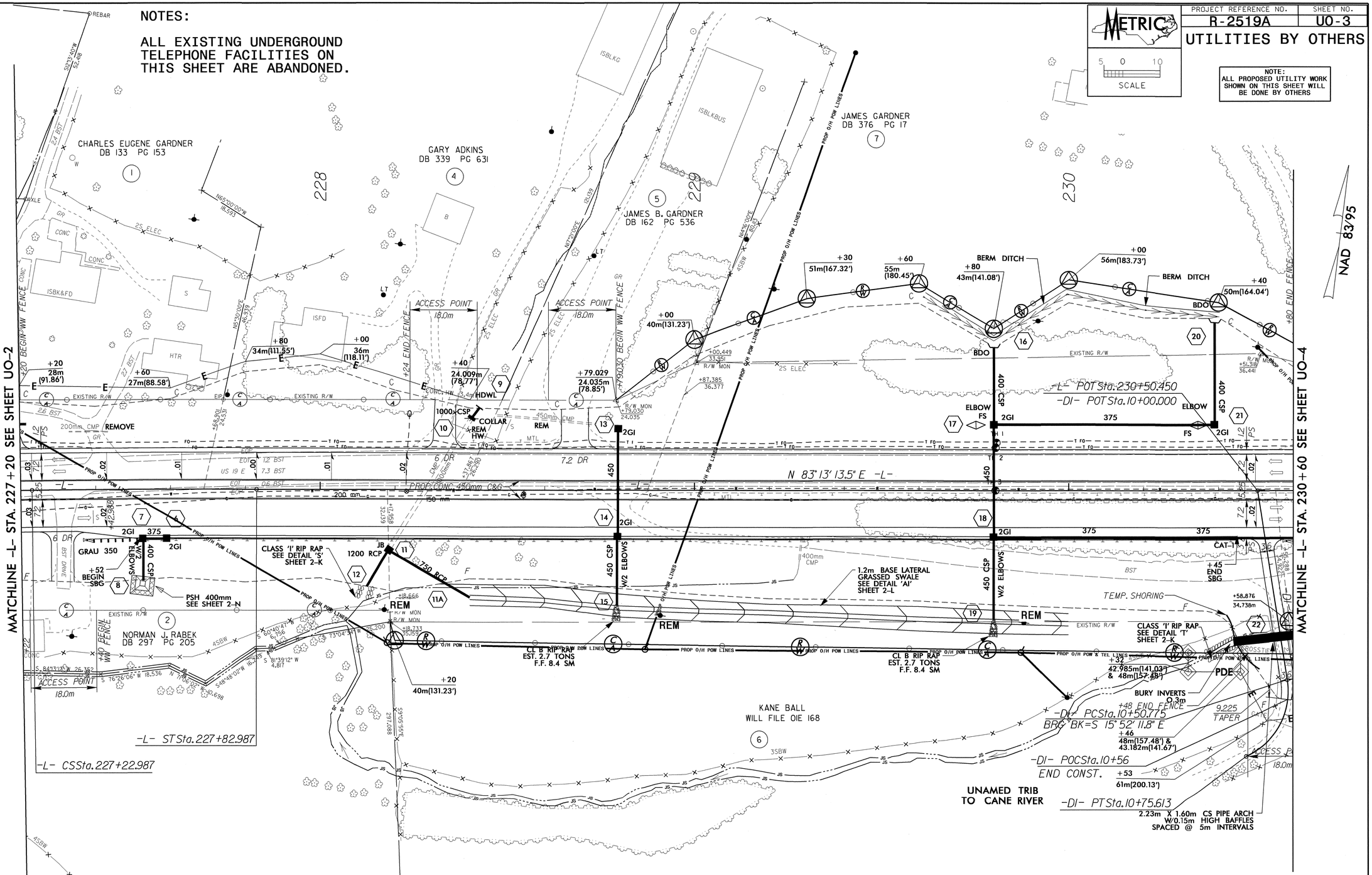
UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



8/17/99

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NOTES:

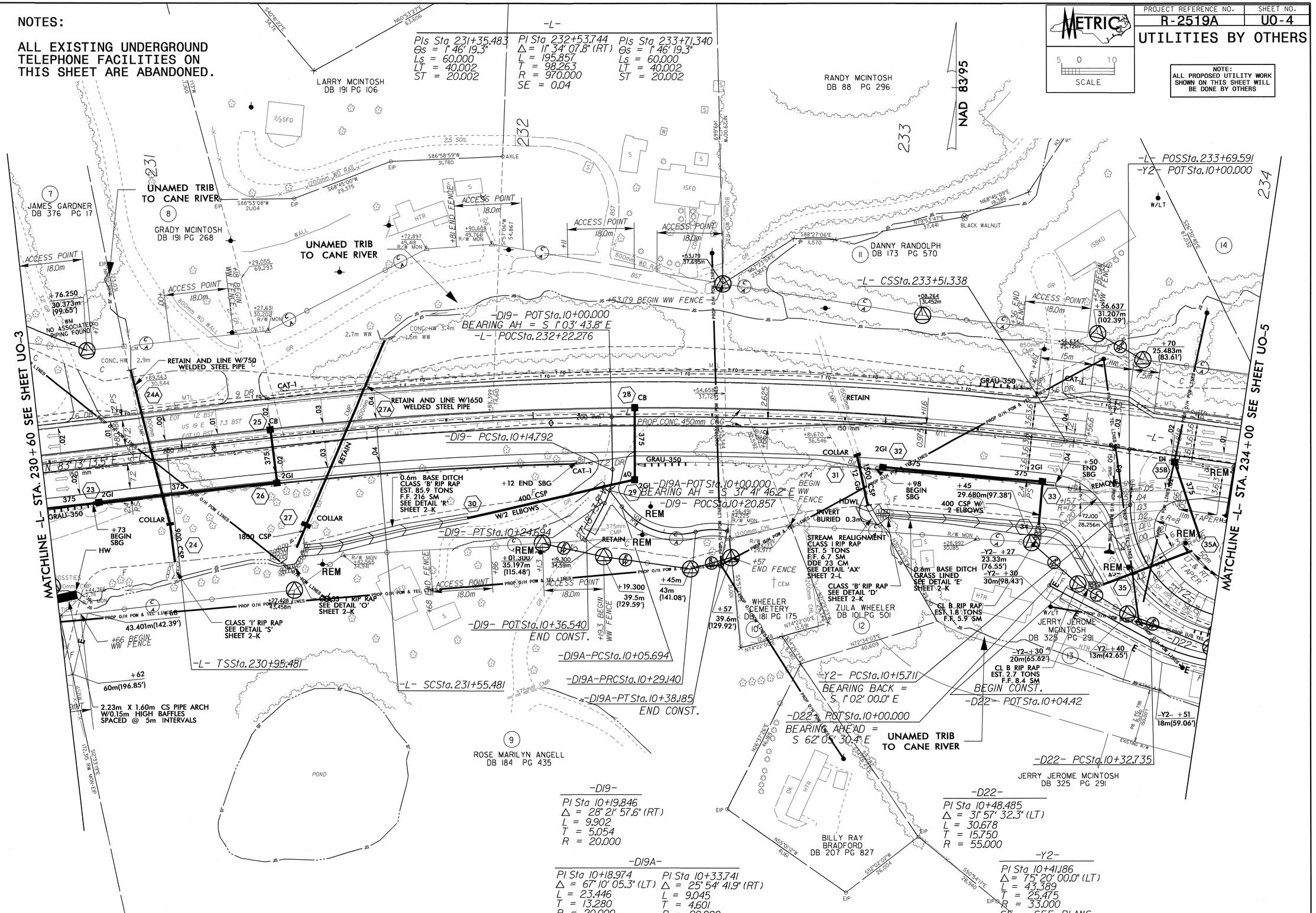
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-4

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-5

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NAD 83/95

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

-L-
PIs Sta 231+35.483
Θs = 1° 46' 19.3"
Ls = 60.000
LT = 40.002
ST = 20.002

PI Sta 232+53.744
Δ = 11° 34' 07.8" (RT)
L = 195.857
T = 98.263
R = 970.000
SE = 0.04

PIs Sta 233+71.340
Θs = 1° 46' 19.3"
Ls = 60.000
LT = 40.002
ST = 20.002

-Y3-
PI Sta 11+05.865
Δ = 32° 48' 03.1" (LT)
L = 114.497
T = 58.865
R = 200.000
SE = SEE PLANS

-Y3- PT Sta. 11+61.497
BEARING AH = S 23° 48' 26.9" W

MATCHLINE -Y3- STA. 11+40 SEE SHEET NO. 40

MATCHLINE -L- STA. 234+00 SEE SHEET UO-4

MATCHLINE -L- 237+40 SEE SHEET UO-6

-L- ST Sta. 234+11.338

-L- POT Sta. 237+14.259

-Y3- POT Sta. 11+81.89

-Y4- POT Sta. 10+00.000

-L- S 81° 40' 00.1" E

-Y2- POT Sta. 10+74.500

-D22- POT Sta. 10+74.573

-Y2- S 76° 22' 00.0" E

-Y2- PT Sta. 10+59.100

-D22- PCC Sta. 10+63.413

END CONST.
-Y2- POT Sta. 10+85.000

-D22- PT Sta. 10+67.200
BEARING AHEAD =
N 13° 37' 59.8" E

-D22-
PI Sta 10+65.606
Δ = 72° 18' 57.2" (LT)
L = 3.786
T = 2.192
R = 3.000

-Y2-
PI Sta 10+41.86
Δ = 75° 20' 00.0" (LT)
L = 43.389
T = 25.475
R = 33.000
SE = SEE PLANS

-D2-

PI Sta 10+73.419	PI Sta 11+28.282	PI Sta 11+48.944
Δ = 112° 21' 12.7" (RT)	Δ = 31° 27' 57.0" (LT)	Δ = 28° 10' 20.0" (RT)
L = 88.242	L = 16.475	L = 14.751
T = 67.161	T = 8.451	T = 7.528
R = 45.000	R = 30.000	R = 30.000

-Y4-
PI Sta 10+94.873
Δ = 72° 33' 59.4" (LT)
L = 63.326
T = 36.706
R = 50.000
SE = SEE PLANS

POT -D2- Sta. 10+00.000
-L- POT Sta. 253+98.996, 43.039 RT.

PC Sta. 10+06.257
BEARING BACK = N 65° 14' 00.0" E

POT -D2- Sta. 10+10
BEGIN CONST.

POT Sta. 12+02.780 -Y2-

PC Sta. 10+58.167
BEARING BACK = S 23° 26' 56.4" W

PT Sta. 10+94.500
BEARING AHEAD = S 2° 24' 47.3" E

PC Sta. 11+19.831

PT Sta. 11+21.493
BEARING AH = S 49° 07' 00.9" E

PT Sta. 11+36.307
BEARING AHEAD = S 33° 52' 44.3" E

PC Sta. 11+41.416

PT -D2- Sta. 11+56.167
END CONST.
POC -Y4- Sta. 11+12.391, 26.338 RT.

END CONST.
-Y4- POT Sta. 11+34.000

-Y4-
POT Sta. 11+38.561
END CONST.

RANDY MCINTOSH
DB 88 PG 296

VICKI BANKS TIPTON, ET. AL.
DB 289 PG 22

THOMAS RICHARD FOX
DB 225 PG 402

JERRY JEROME MCINTOSH
DB 325 PG 291

GARY ADKINS and STOKES AUSTIN
DB 325 PG 167

UNAMED TRIB TO CANE RIVER

STORMWATER RETENTION BASIN W/MICROPOOL AND OTCB SEE DETAIL 'AK', SHEET 2-L @ 450 cu. m EXC.

CL I RIP RAP EST. 6.4 TONS F.F. 12.5 SM

CL B RIP RAP EST. 0.9 TONS F.F. 4.2 SM

CL B RIP RAP EST. 4.5 TONS F.F. 118.7 SM

LINE EXISTING DITCH W/CLASS 'B' RIP RAP @ 40 TONS F.F. 40 SM

CLASS 'I' RIP RAP SEE DETAIL 'O' SHEET 2-K

ROCK CROSS VANE SEE SHEET 2-O

SPECIAL CUT DITCH GRASS LINED SEE DETAIL 'G' SHEET 2-K

SPECIAL CUT DITCH W/GRASS LINED SEE DETAIL 'G' SHEET 2-K

1.5m BASE DITCH CLASS 'II' RIP RAP EST. 79.9 TONS F.F. 100.5 SM SEE DETAIL 'P' SHEET 2-K

LINE DITCH W/ CLASS 'B' RIP RAP EST. 24 TONS F.F. 90.5 SM

(G) WM'S NO ASSOCIATED PIPING FOUND

UTILITIES APPROXIMATE LOCATION AS PER PROPERTY OWNER

600 CSP W/ 2 ELBOWS

400 CSP W/ 2 ELBOWS

1400 CSP 12 Ga.

PSH 400mm SEE SHEET 2-N

RETAINED

RETAIN

REMOVE

REM

BEGIN WW FENCE

END FENCE

ACCESS POINT

EXISTING R/W

PROP. O/H TEL LINES

PROP. CONC. 450mm C&G

RT EP TAPER

LT & RT EP TAPER

GRAU-350

CAT-1

LANDSCAPE

WATER SPIGOT

27-JAN-2011 13:56
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PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-6

UTILITIES BY OTHERS

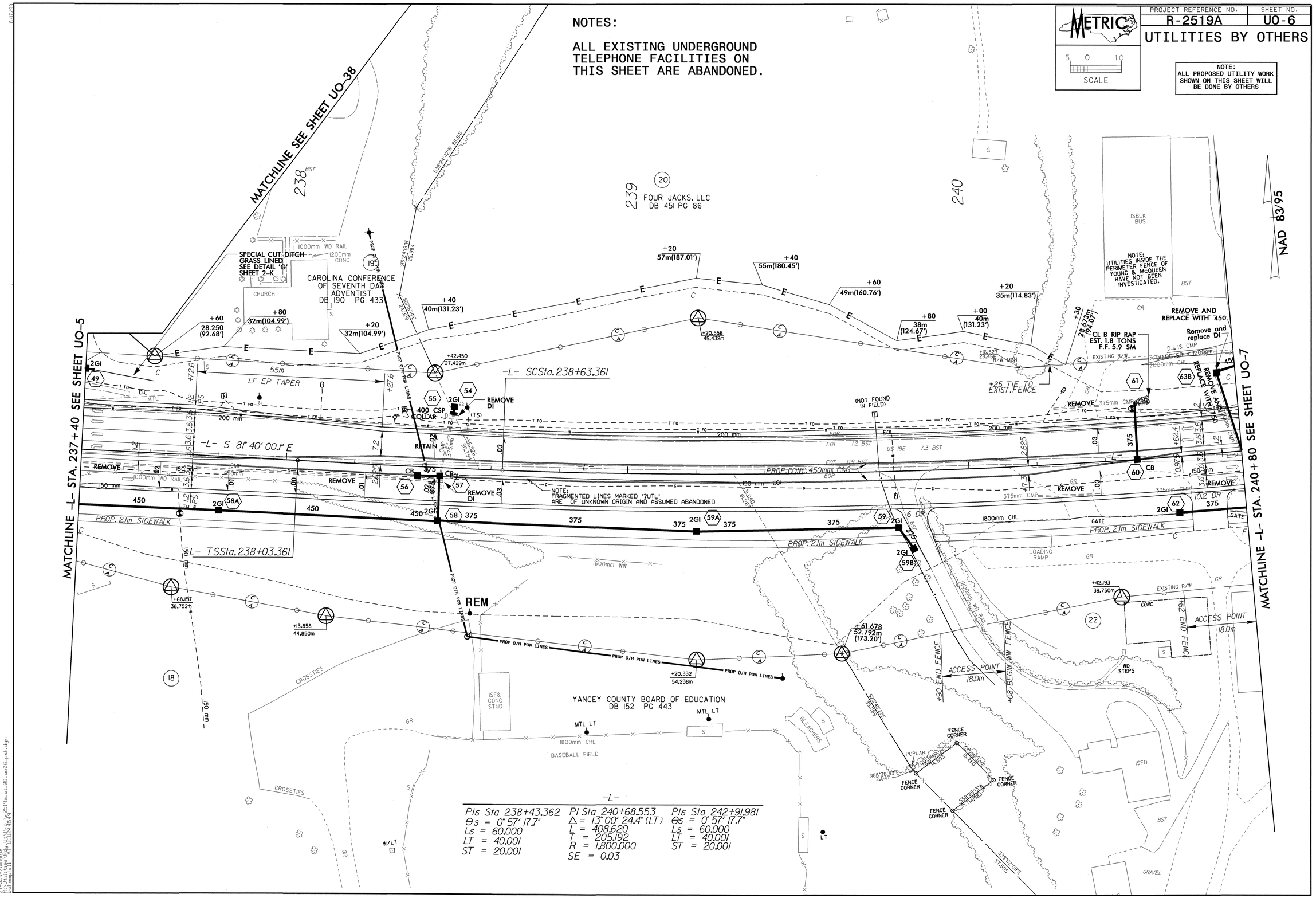
METRIC

5 0 10
SCALE

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



8/17/99

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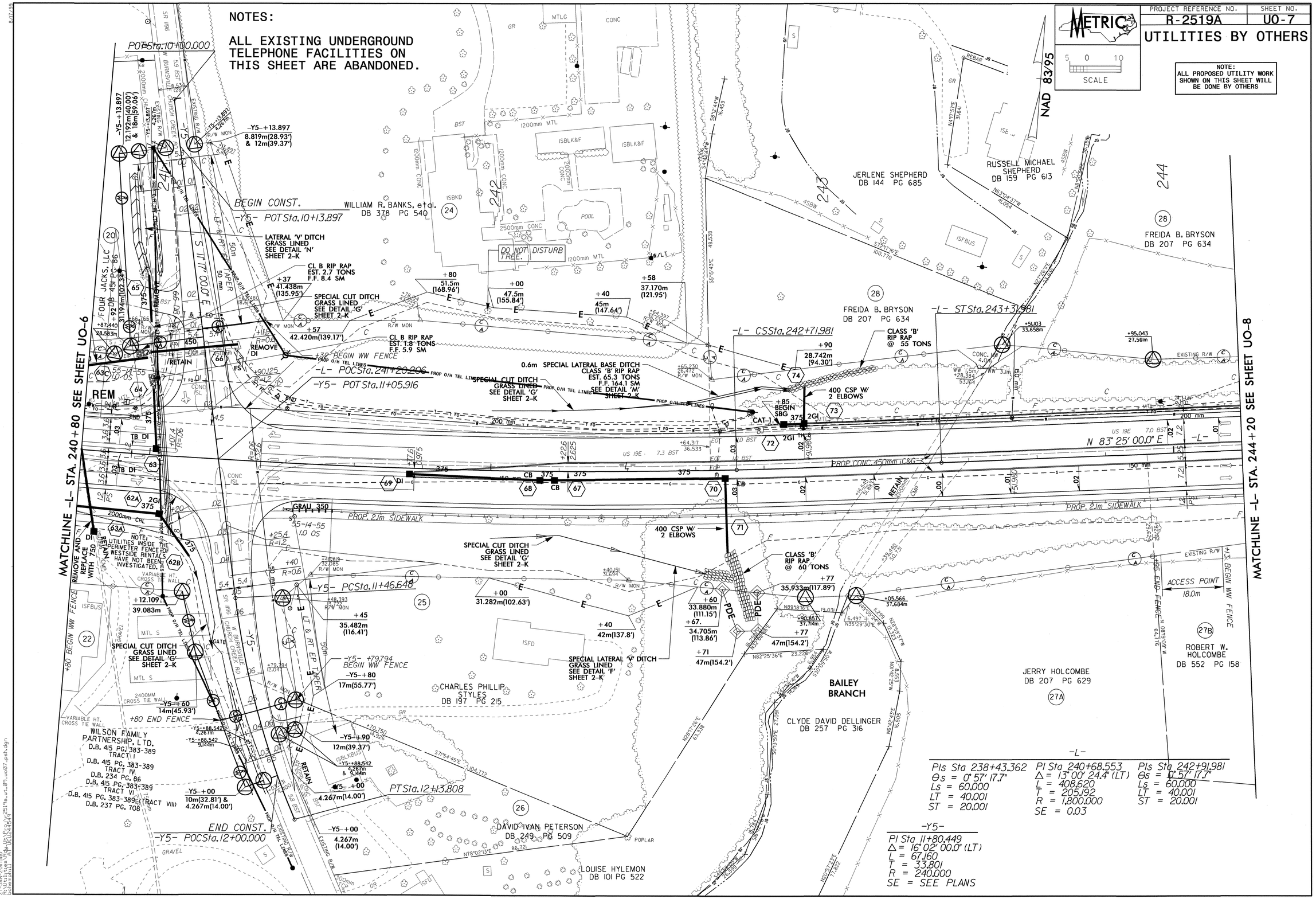


NOTES:
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.
METRIC
PROJECT REFERENCE NO. R-2519A
SHEET NO. UO-7
UTILITIES BY OTHERS
NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS
SCALE
NAD 83/95
MATCHLINE -L- STA. 240+80 SEE SHEET UO-6
MATCHLINE -L- STA. 244+20 SEE SHEET UO-8
POTSta.10+00.000
BEGIN CONST.
-Y5- POTSta.10+13.897
WILLIAM R. BANKS, etal. DB 378 PG 540
JERLENE SHEPHERD DB 144 PG 685
RUSSELL MICHAEL SHEPHERD DB 159 PG 613
FREIDA B. BRYSON DB 207 PG 634
-L- STSta.243+31.981
-L- CSSta.242+71.981
-L- POCSta.241+20.206
-Y5- POTSta.11+05.916
-Y5- PCSta.11+46.648
-Y5- +79.794 BEGIN WW FENCE
PTSta.12+13.808
END CONST.
-Y5- POCSta.12+00.000
CHARLES PHILLIP STYLES DB 197 PG 215
DAVID IVAN PETERSON DB 249 PG 509
LOUISE HYLEMON DB 101 PG 522
BAILEY BRANCH
CLYDE DAVID DELLINGER DB 257 PG 316
JERRY HOLCOMBE DB 207 PG 629
ROBERT W. HOLCOMBE DB 552 PG 158
WILSON FAMILY PARTNERSHIP, LTD.
FOUR JACKS, LLC
REM
N 83° 25' 00.0" E
PROP. 2.1m SIDEWALK
PROP. CONC. 450mm C&G
ACCESS POINT 18.0m
+80 END FENCE
+80 BEGIN WW FENCE
+13 BEGIN WW FENCE
-L-
PIs Sta 238+43.362
Θs = 0° 57' 17.7"
Ls = 60.000
LT = 40.001
ST = 20.001
PI Sta 240+68.553
Δ = 13° 00' 24.4" (LT)
L = 408.620
T = 205.192
R = 1,800.000
SE = 0.03
PIs Sta 242+91.981
Θs = 0° 57' 17.7"
Ls = 60.000
LT = 40.001
ST = 20.001
-Y5-
PI Sta 11+80.449
Δ = 16° 02' 00.0" (LT)
L = 67.160
T = 33.801
R = 240.000
SE = SEE PLANS

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-8

UTILITIES BY OTHERS

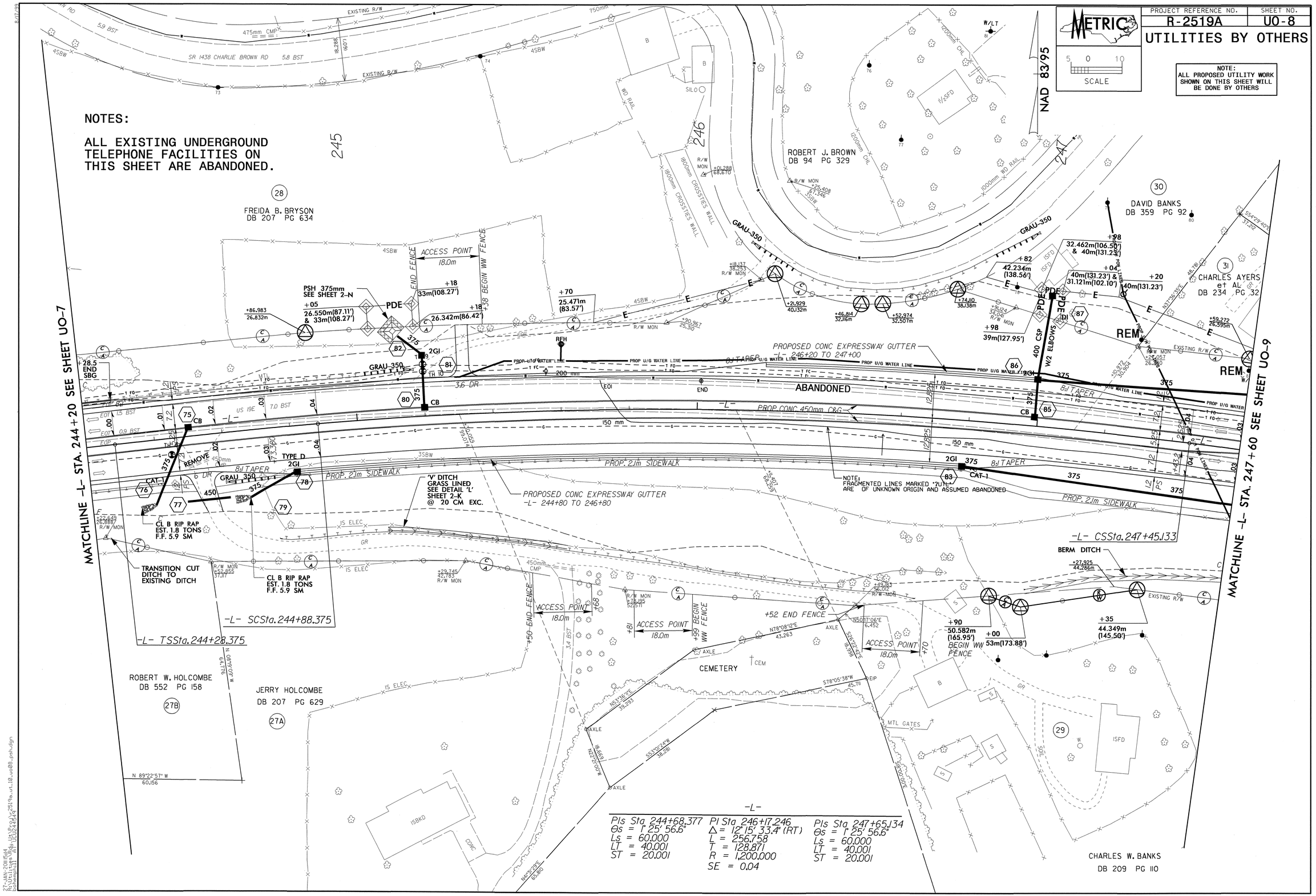
METRIC
5 0 10
SCALE

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

NAD 83/95

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-9

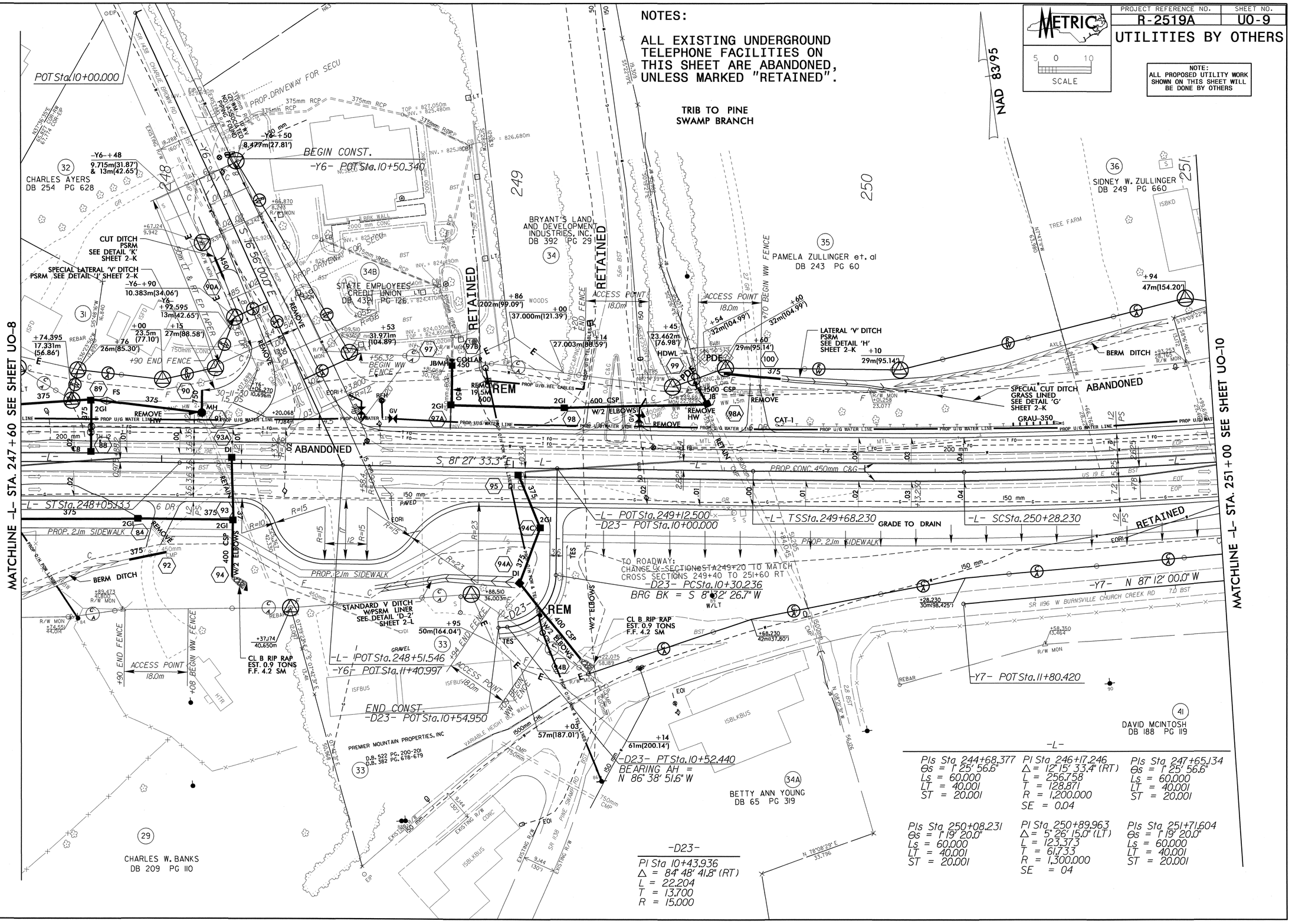
UTILITIES BY OTHERS

METRIC
5 0 10
SCALE

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".



-L-

PIs Sta 244+68.377 Θs = 1° 25' 56.6" Ls = 60.000 LT = 40.001 ST = 20.001	PI Sta 246+17.246 Δ = 12° 15' 33.4" (RT) L = 256.758 T = 128.871 R = 1,200.000 SE = 0.04	PIs Sta 247+65.134 Θs = 1° 25' 56.6" Ls = 60.000 LT = 40.001 ST = 20.001
PIs Sta 250+08.231 Θs = 1° 19' 20.0" Ls = 60.000 LT = 40.001 ST = 20.001	PI Sta 250+89.963 Δ = 5° 26' 15.0" (LT) L = 123.373 T = 61.733 R = 1,300.000 SE = 04	PIs Sta 251+71.604 Θs = 1° 19' 20.0" Ls = 60.000 LT = 40.001 ST = 20.001

-D23-

PI Sta 10+43.936
Δ = 84° 48' 41.8" (RT)
L = 22.204
T = 13.700
R = 15.000

27-JAN-2011 15:21
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NOTES:

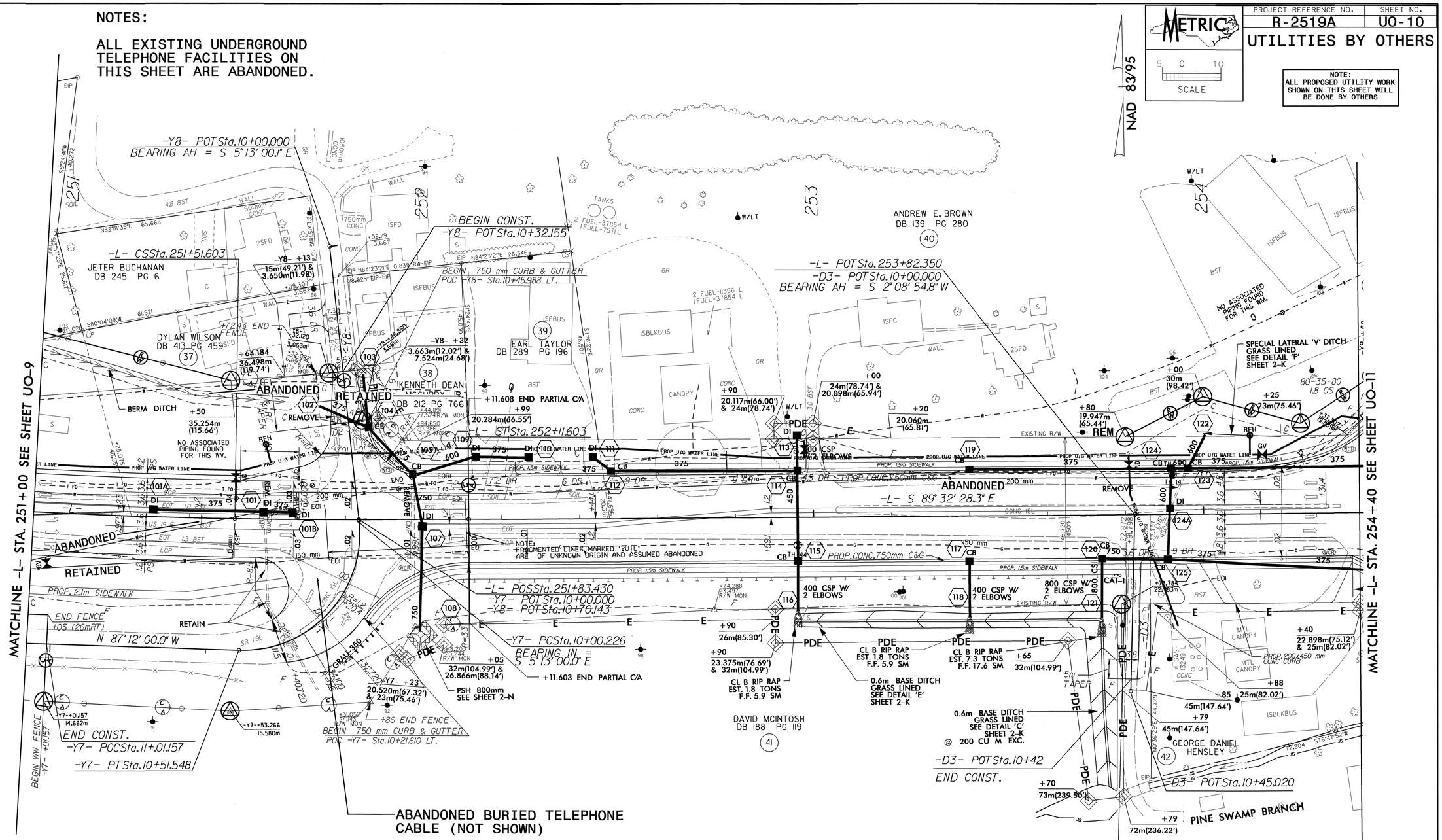
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-10

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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



-Y7-

PI Sta 10+34.747
Δ = 98° 01' 00.0" (RT)
L = 51.321
T = 34.521
R = 30.000
SE = SEE PLANS

-L-

Pls Sta 250+08.231	PI Sta 250+89.963	Pls Sta 251+71.604
Θs = 1° 19' 20.0"	Δ = 5° 26' 15.0" (LT)	Θs = 1° 19' 20.0"
Ls = 60.000	L = 123.373	Ls = 60.000
LT = 40.001	T = 61.733	LT = 40.001
ST = 20.001	R = 1,300.000	ST = 20.001
	SE = 04	

27-JAN-2011 15:27
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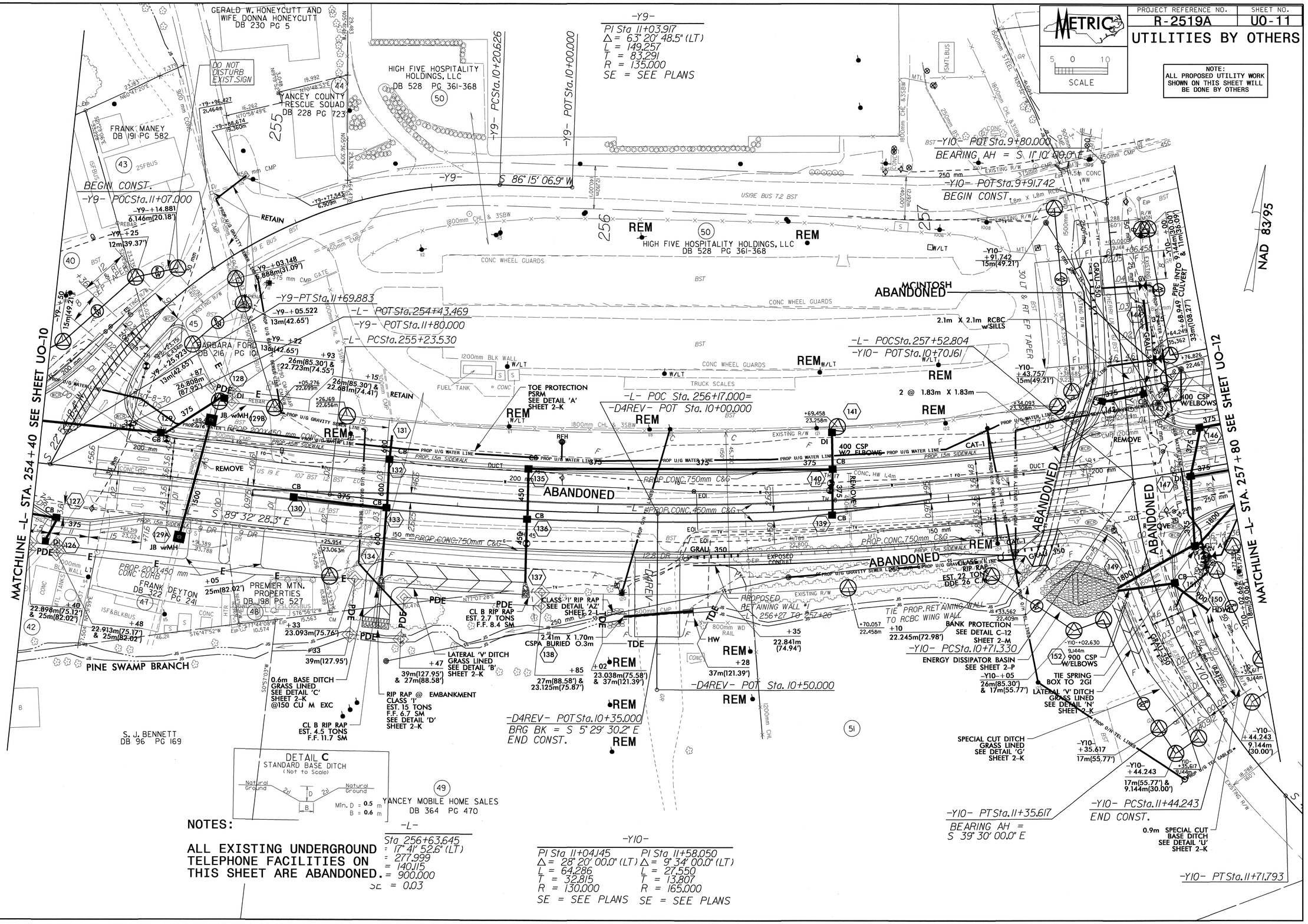
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-11

UTILITIES BY OTHERS

METRIC
5 0 10
SCALE

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



NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

8/17/99

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NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

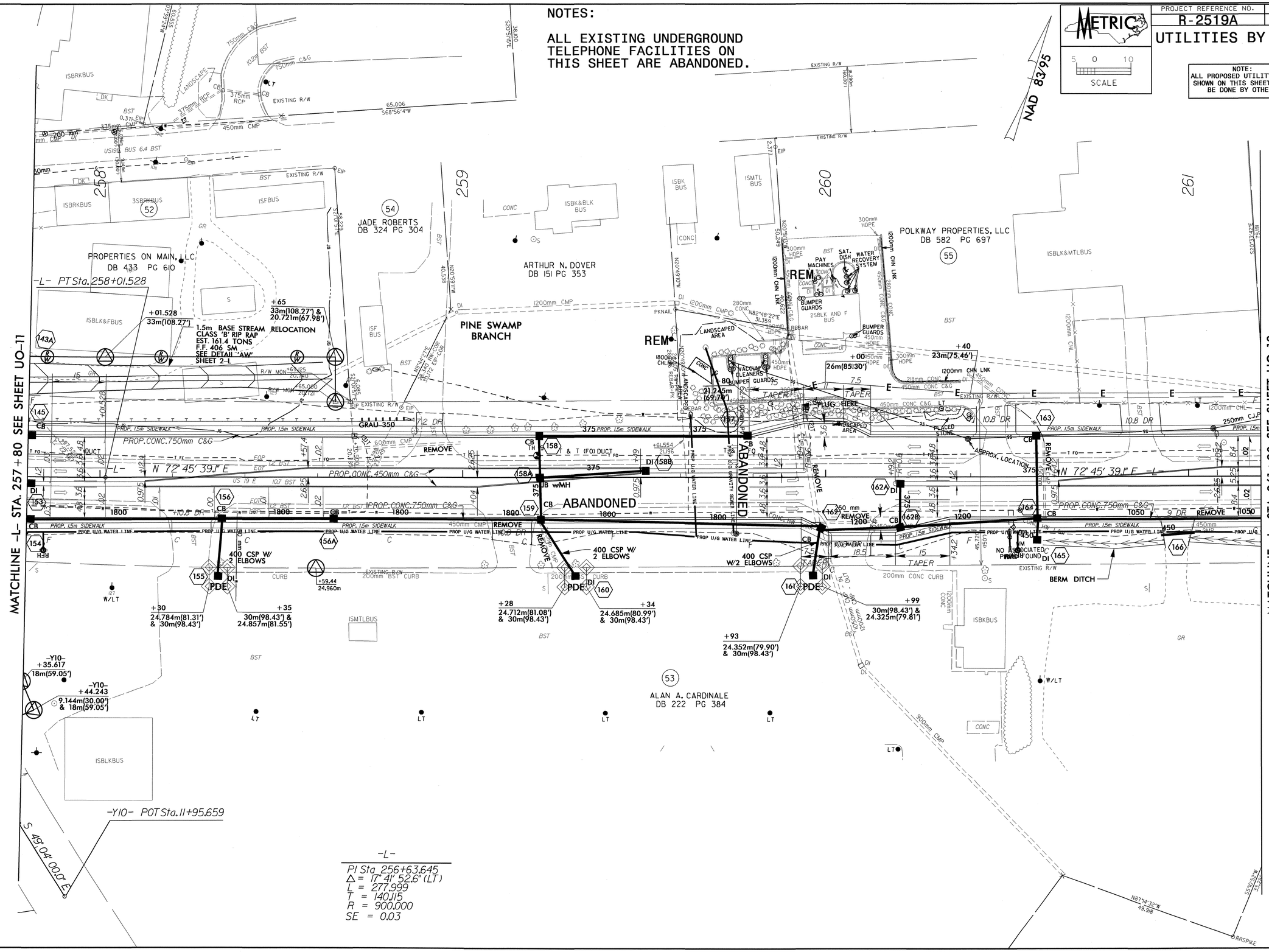
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-12

UTILITIES BY OTHERS

METRIC

SCALE 5 0 10

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



NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

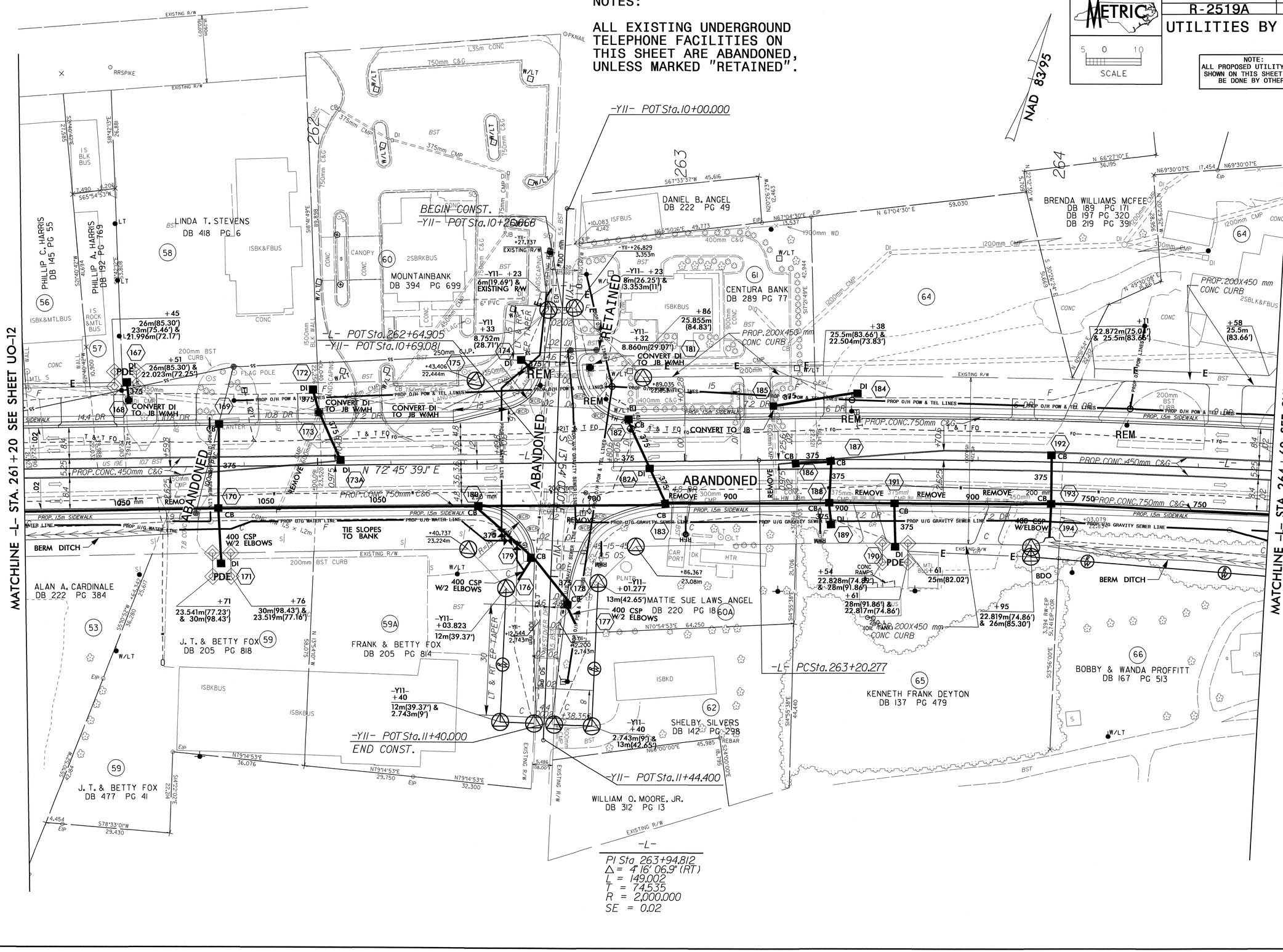
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-13

UTILITIES BY OTHERS

METRIC

SCALE 5 0 10

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



27-JAN-2011 16:13
R:\Utilities\Rdy_Ut\Proj\R-2519a_ut_15_uo13_psh.dgn
bohemphill AT UCU244549

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

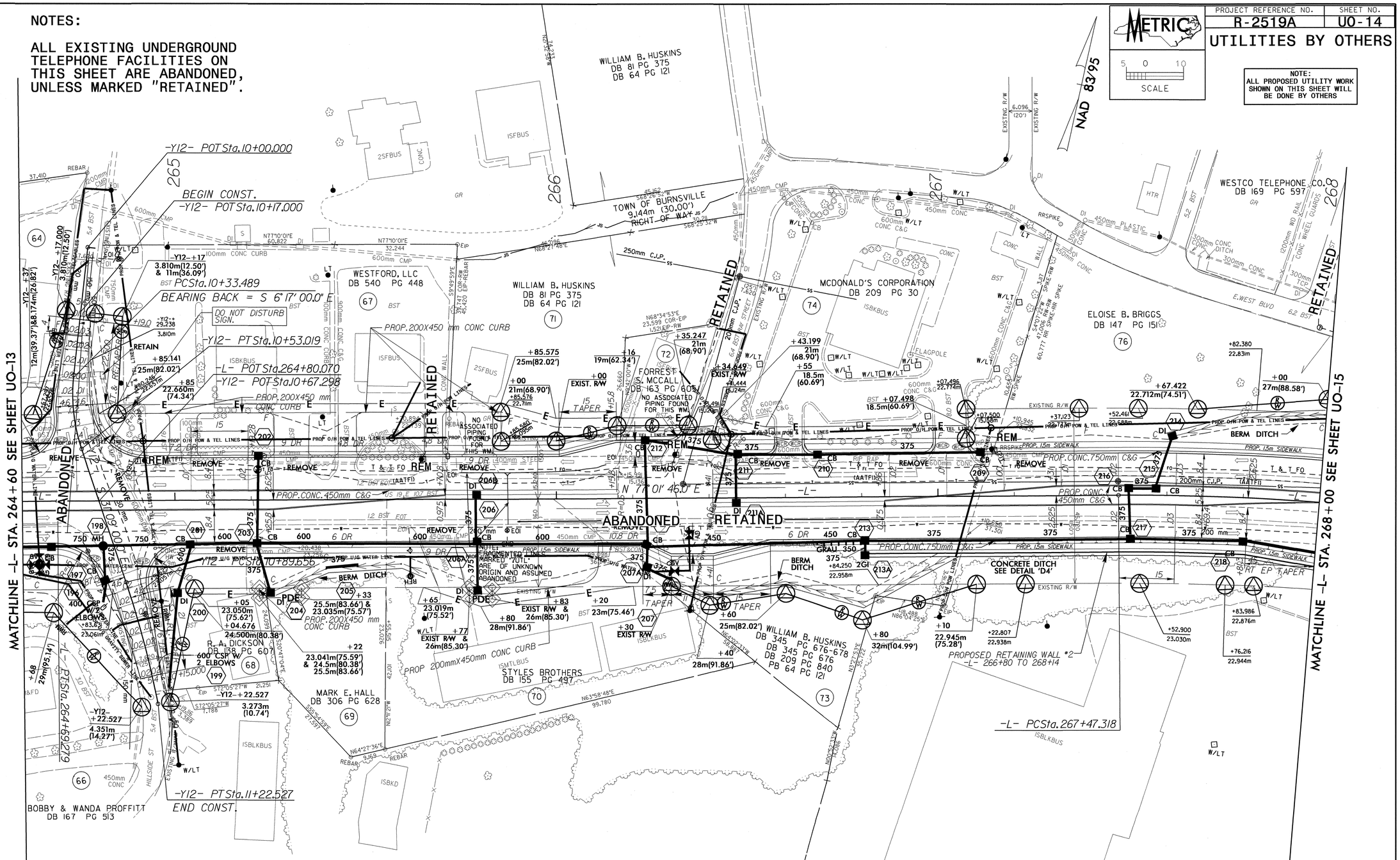
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-14

UTILITIES BY OTHERS

METRIC

SCALE 5 0 10

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



-Y12-

PI Sta 10+43.410	PI Sta 11+06.115
Δ = 24° 52' 00.0" (LT)	Δ = 7° 32' 00.0" (RT)
L = 19.530	L = 32.870
T = 9.921	T = 16.459
R = 45.000	R = 250.000
SE = SEE PLANS	SE = SEE PLANS

-L-

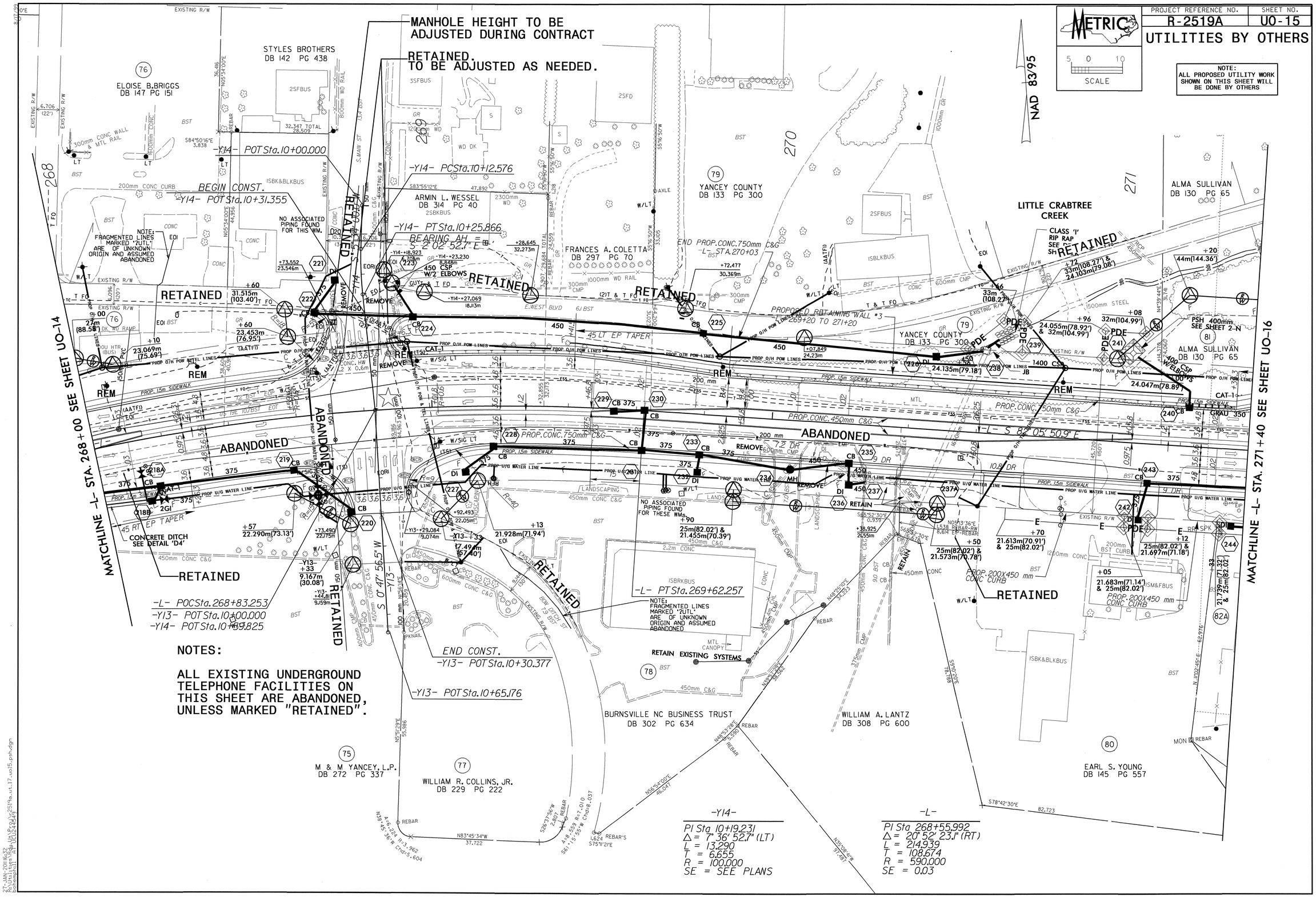
PI Sta 263+94.812	PI Sta 268+55.992
Δ = 4° 16' 06.9" (RT)	Δ = 20° 52' 23.1" (RT)
L = 149.002	L = 214.939
T = 74.535	T = 108.674
R = 2,000.000	R = 590.000
SE = 0.02	SE = 0.03

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-15

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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



NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

27-JAN-2011 16:32
R:\Utilities\Rdwy\UO\R2519a_ut_17_uo15_psh.dgn

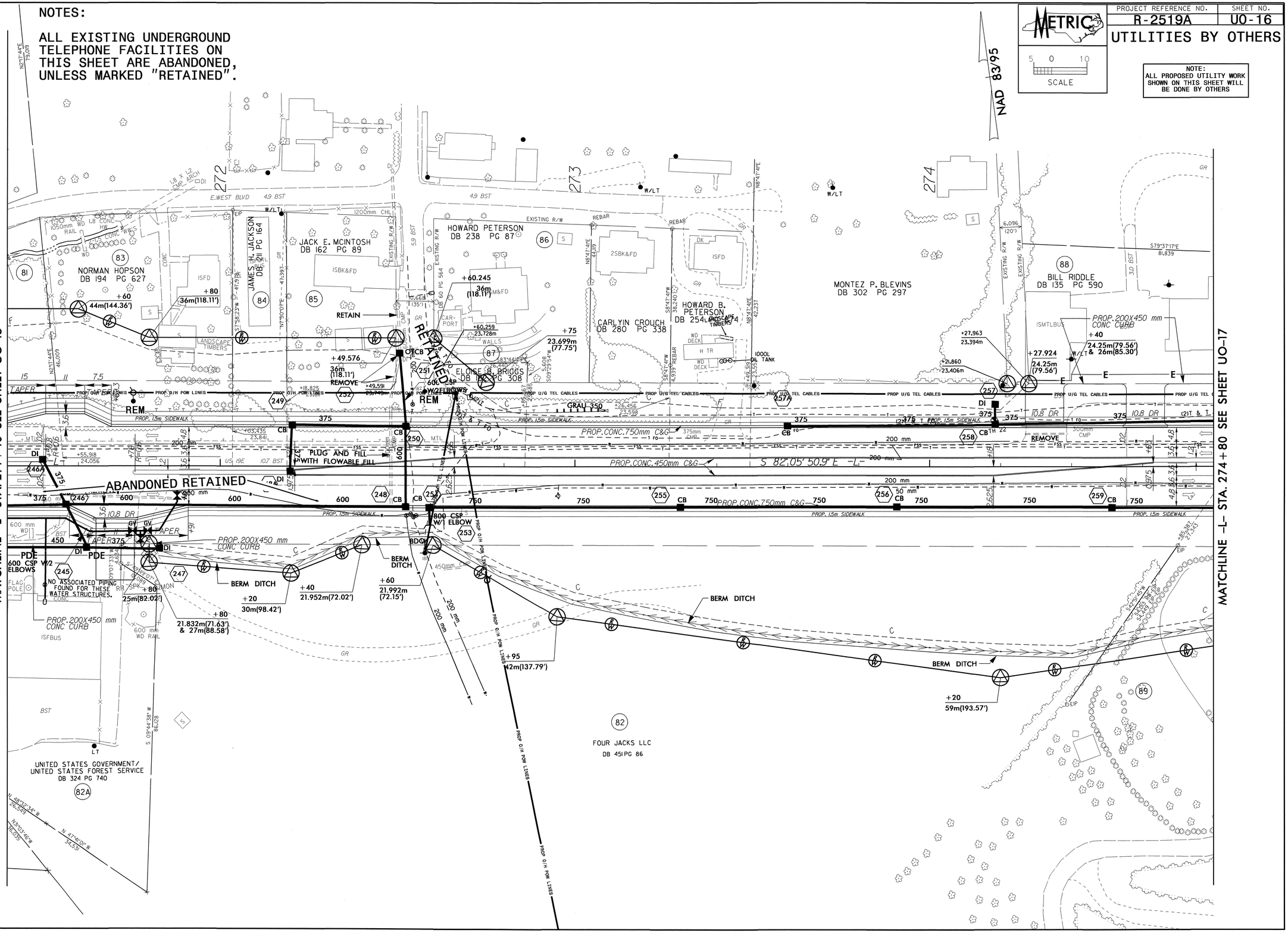
NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-16

UTILITIES BY OTHERS

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



NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

METRIC

5 0 10

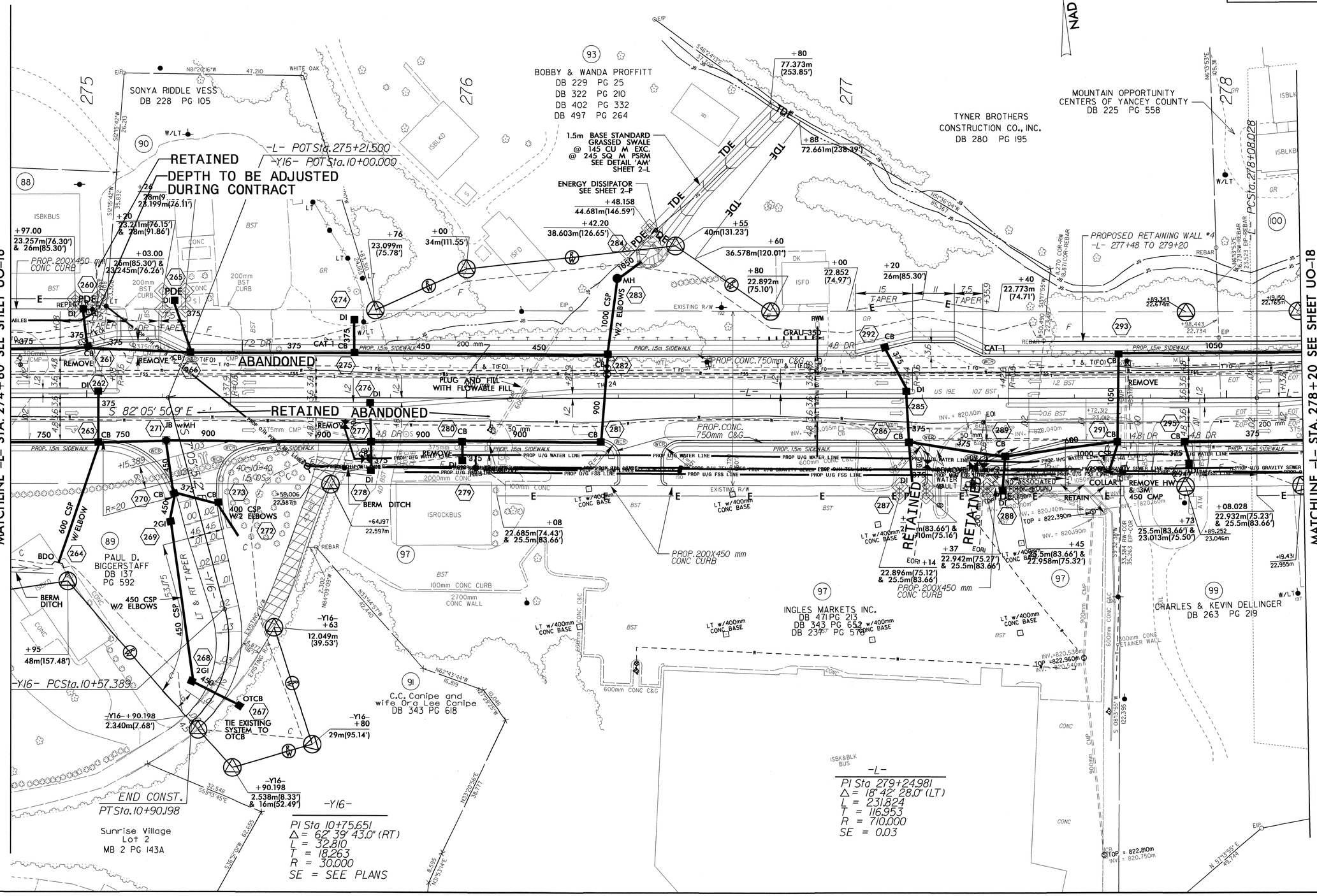
SCALE

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-17

UTILITIES BY OTHERS

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

NAD 83/95



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-18

UTILITIES BY OTHERS

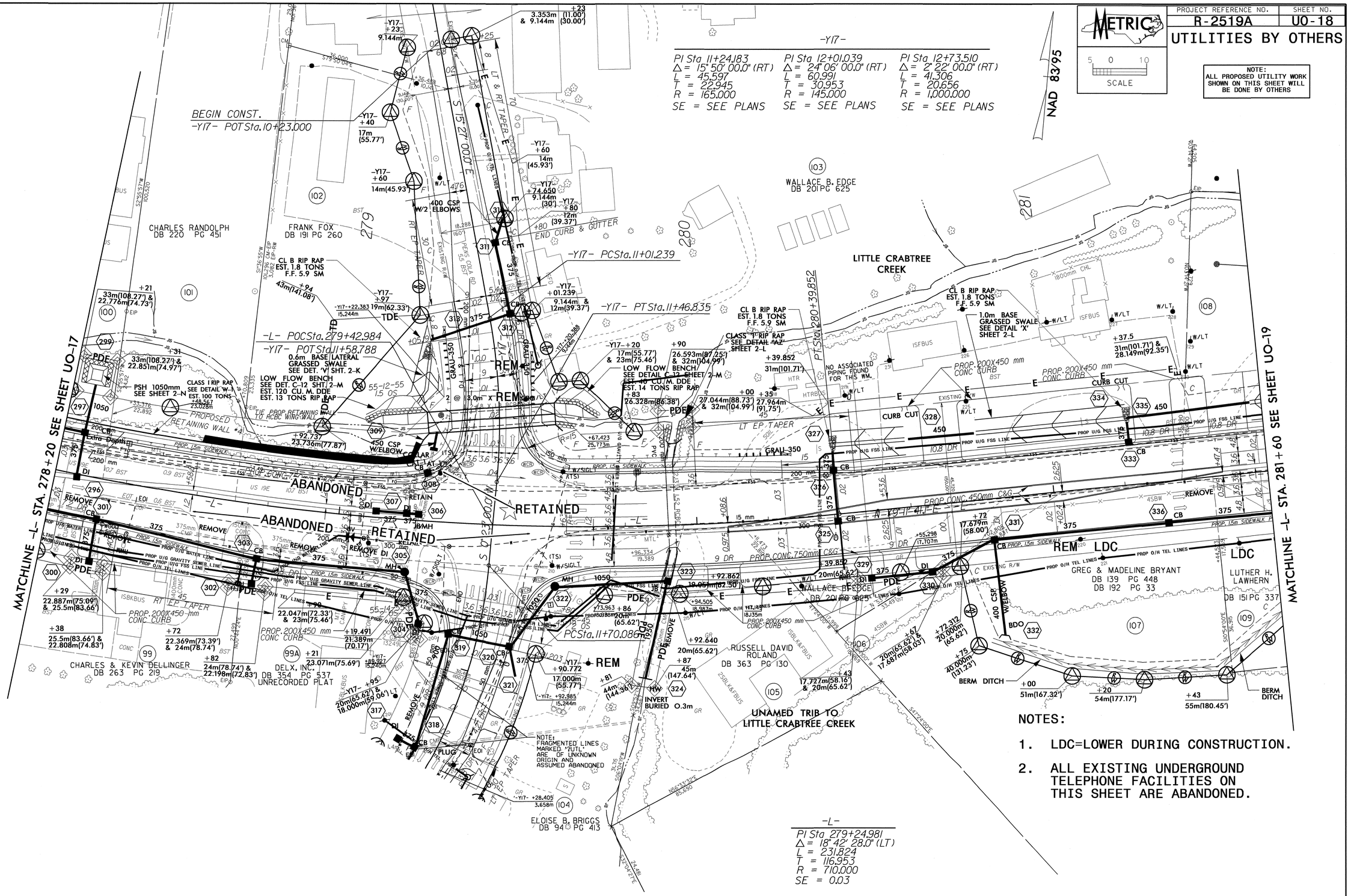
METRIC

SCALE 5 0 10

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

-Y17-

PI Sta 11+24.183	PI Sta 12+01.039	PI Sta 12+73.510
Δ = 15° 50' 00.0" (RT)	Δ = 24° 06' 00.0" (RT)	Δ = 2° 22' 00.0" (RT)
L = 45.597	L = 60.991	L = 41.306
T = 22.945	T = 30.953	T = 20.656
R = 165.000	R = 145.000	R = 1,000.000
SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS



-L-

PI Sta 279+24.981
Δ = 18° 42' 28.0" (LT)
L = 231.824
T = 116.953
R = 710.000
SE = 0.03

NOTES:

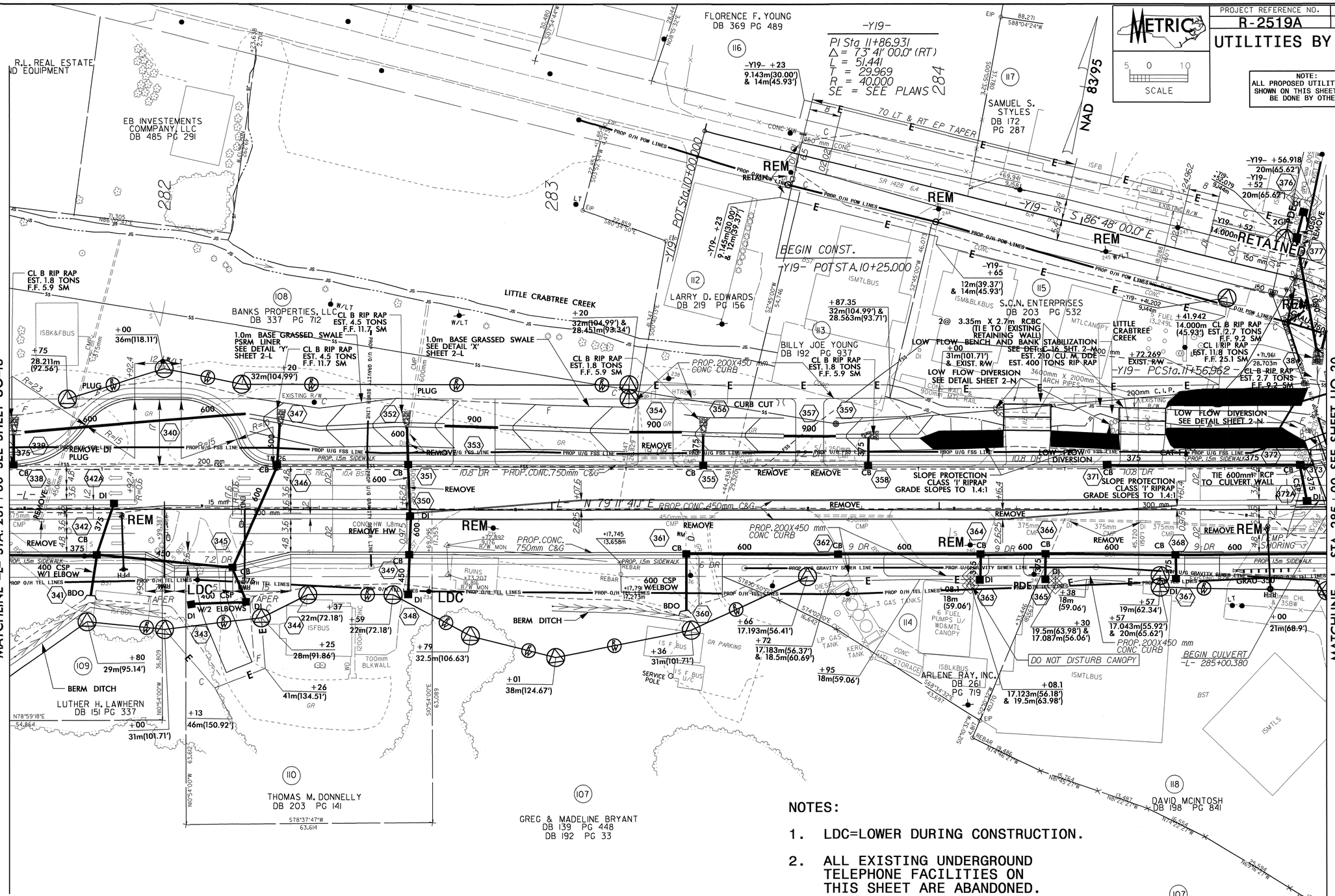
1. LDC=LOWER DURING CONSTRUCTION.
2. ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-19

UTILITIES BY OTHERS

METRIC
5 0 10
SCALE

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



NOTES:

1. LDC=LOWER DURING CONSTRUCTION.
2. ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

FOR TEMP. SHORING LOCATIONS SEE TRAFFIC CONTROL PLANS

8/17/99

28-JAN-2011 12:12
R:\Utilities\Proj\U0\R2519a_U0_24x42\2519a_ut_21_u019_psh.dgn

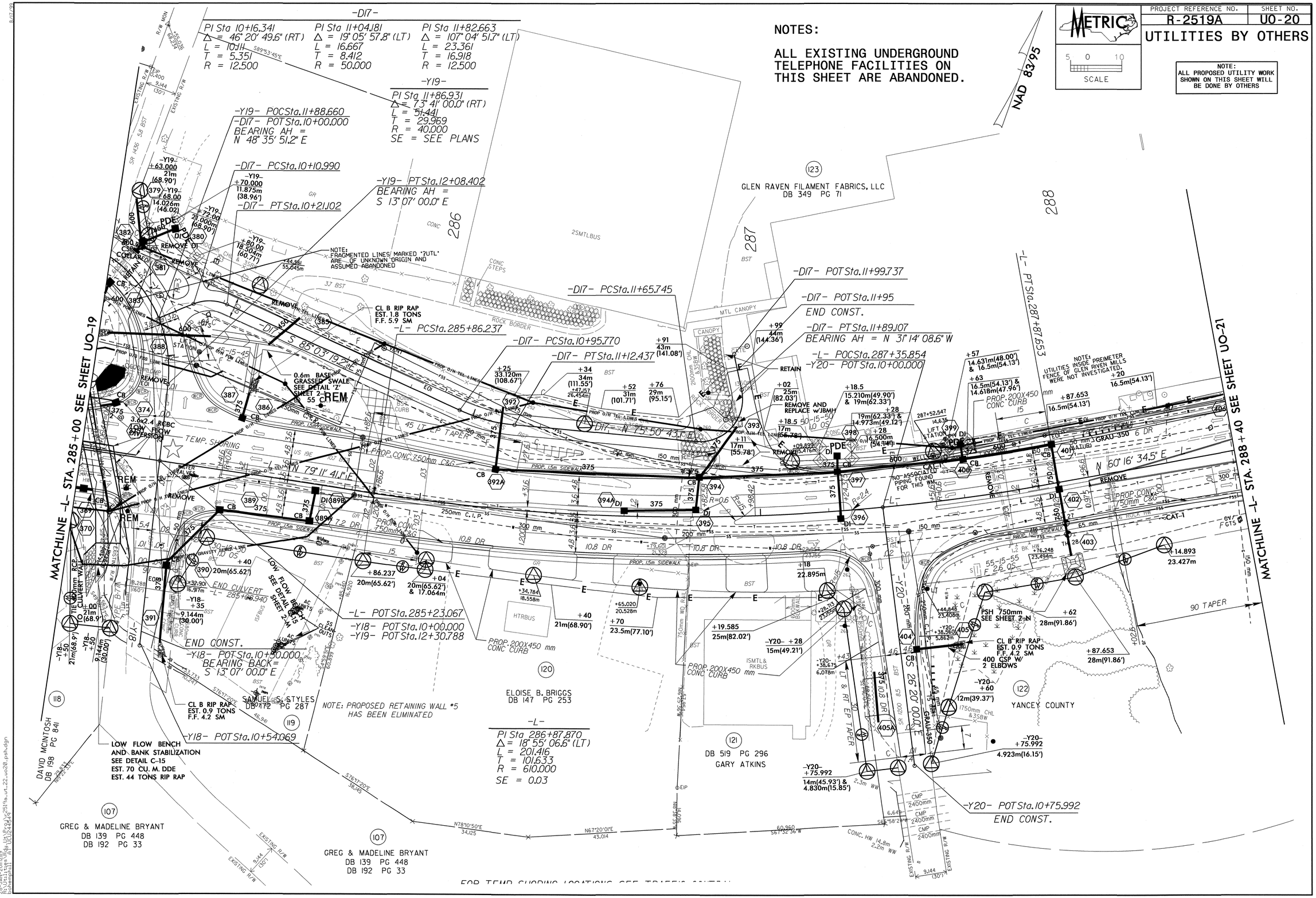
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-20

UTILITIES BY OTHERS

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-21

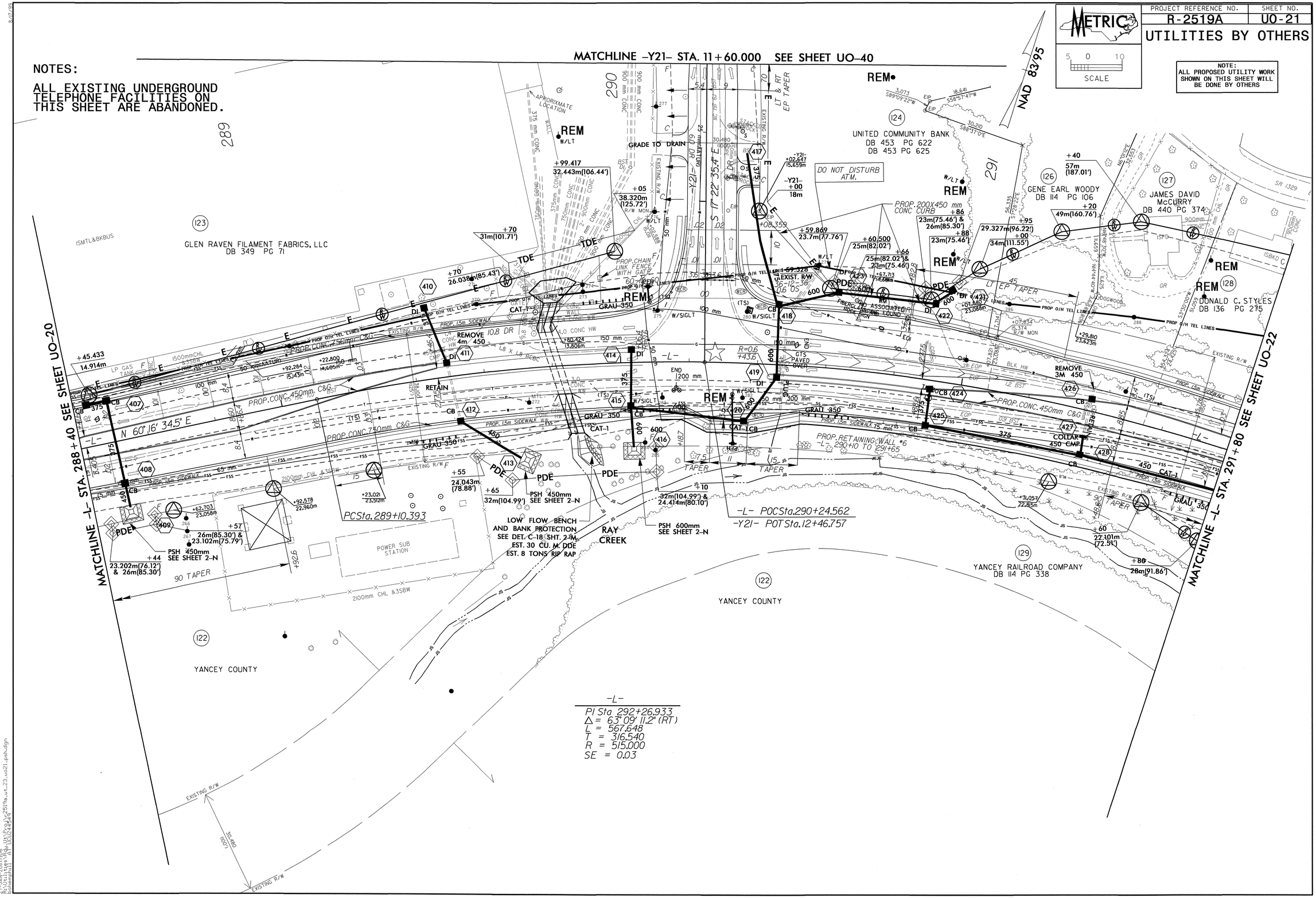
UTILITIES BY OTHERS

METRIC
5 0 10
SCALE

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



27-JAN-2011 17:06
R:\Utilities\Proj\R2519a_ut_23_u021_psh.dgn

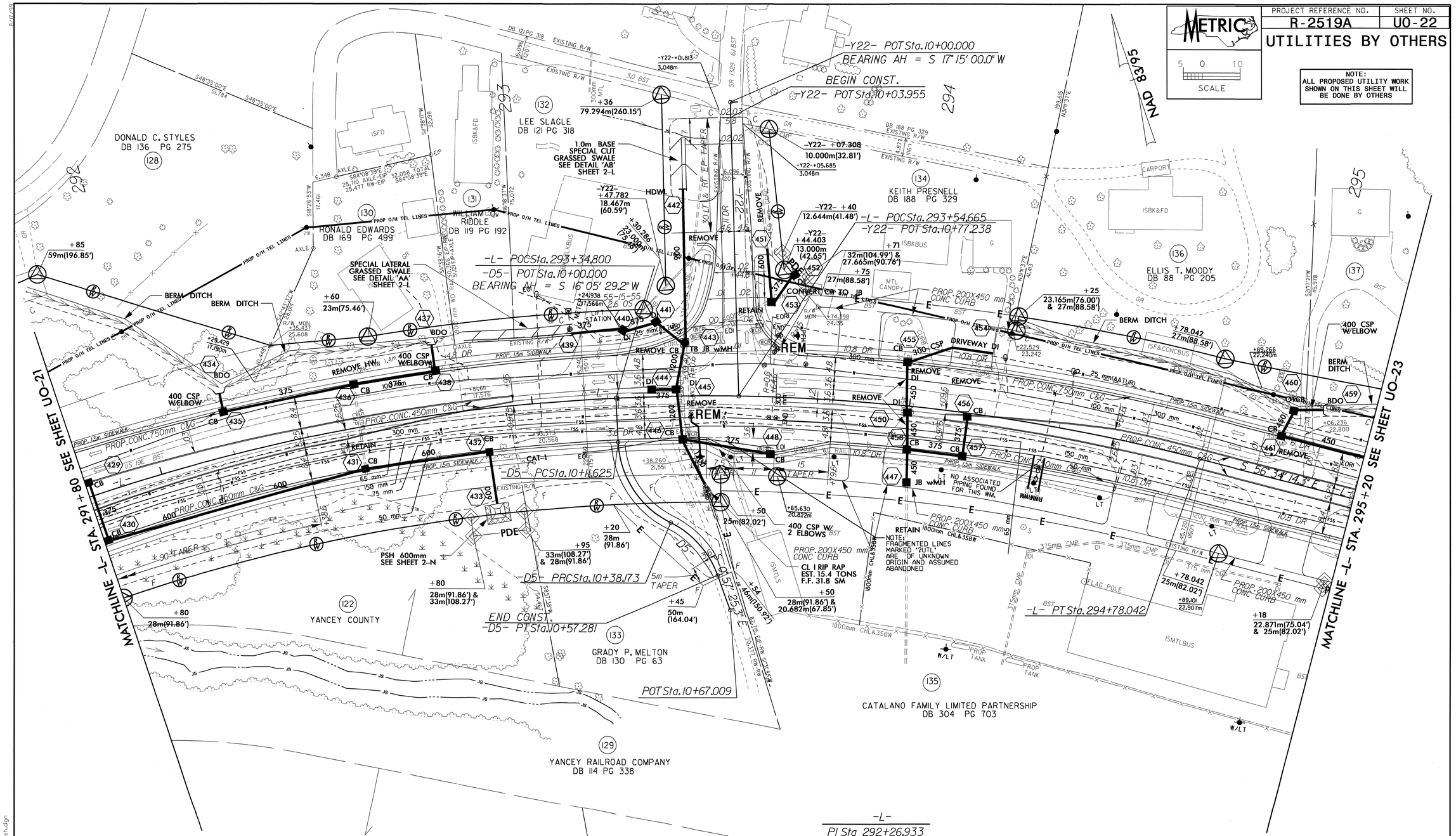
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-22

UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

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



-L-

PI Sta 292+26.933
Δ = 63° 09' 11.2" (RT)
L = 567.648
T = 316.540
R = 515.000
SE = 0.03

-D5-

PI Sta 10+26.305	PI Sta 10+48.221
Δ = 60° 50' 33.3" (LT)	Δ = 43° 47' 38.8" (RT)
L = 26.548	L = 19.109
T = 14.680	T = 10.048
R = 25.000	R = 25.000

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

27-JAN-2011 11:08
R:\Utilities\Rdwy\Utl\Plans\r2519a_ut_24_uo22_psh.dgn
bcampbell dgn\UTL24.dgn

NOTES:

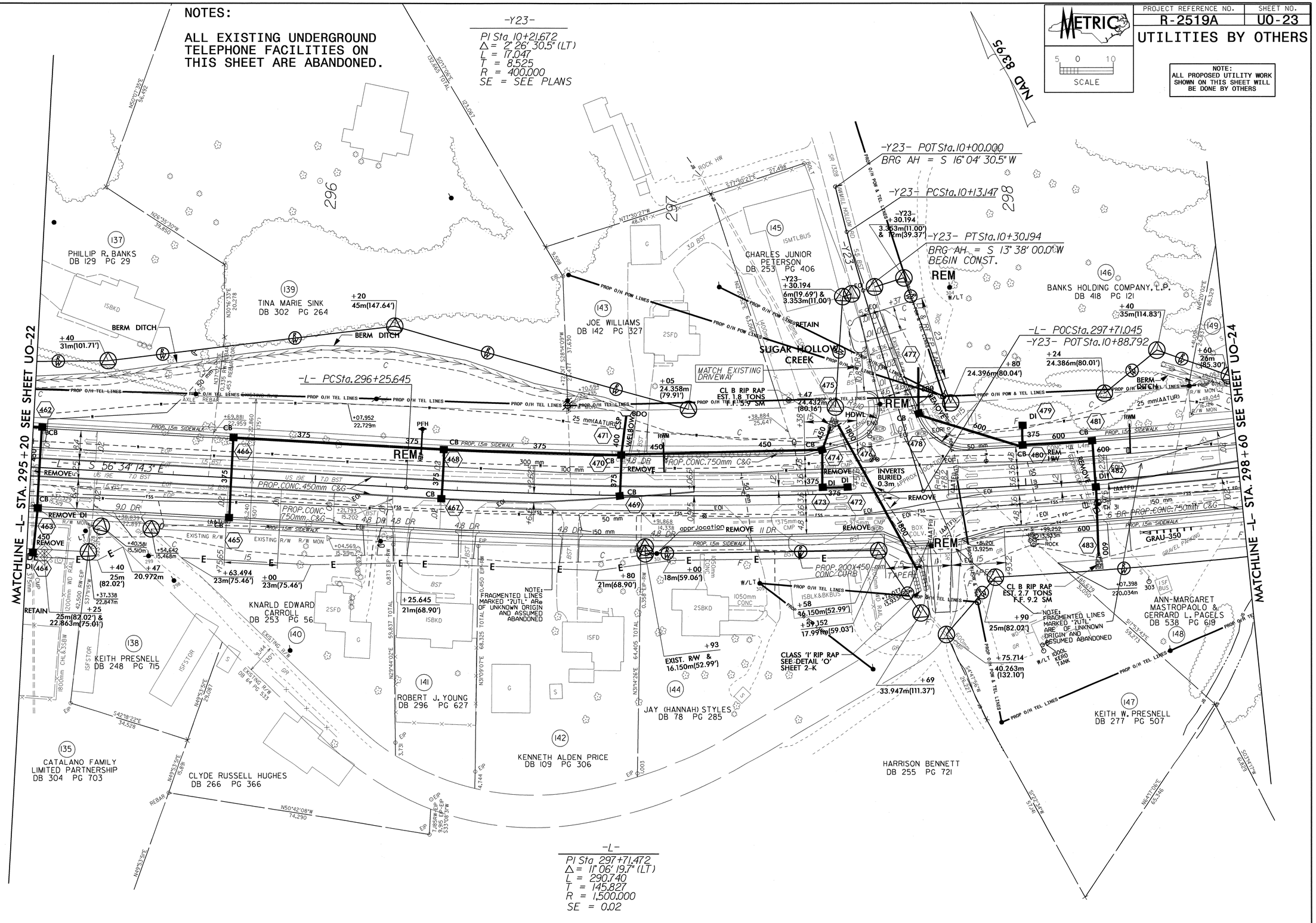
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-23

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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



NOTES:

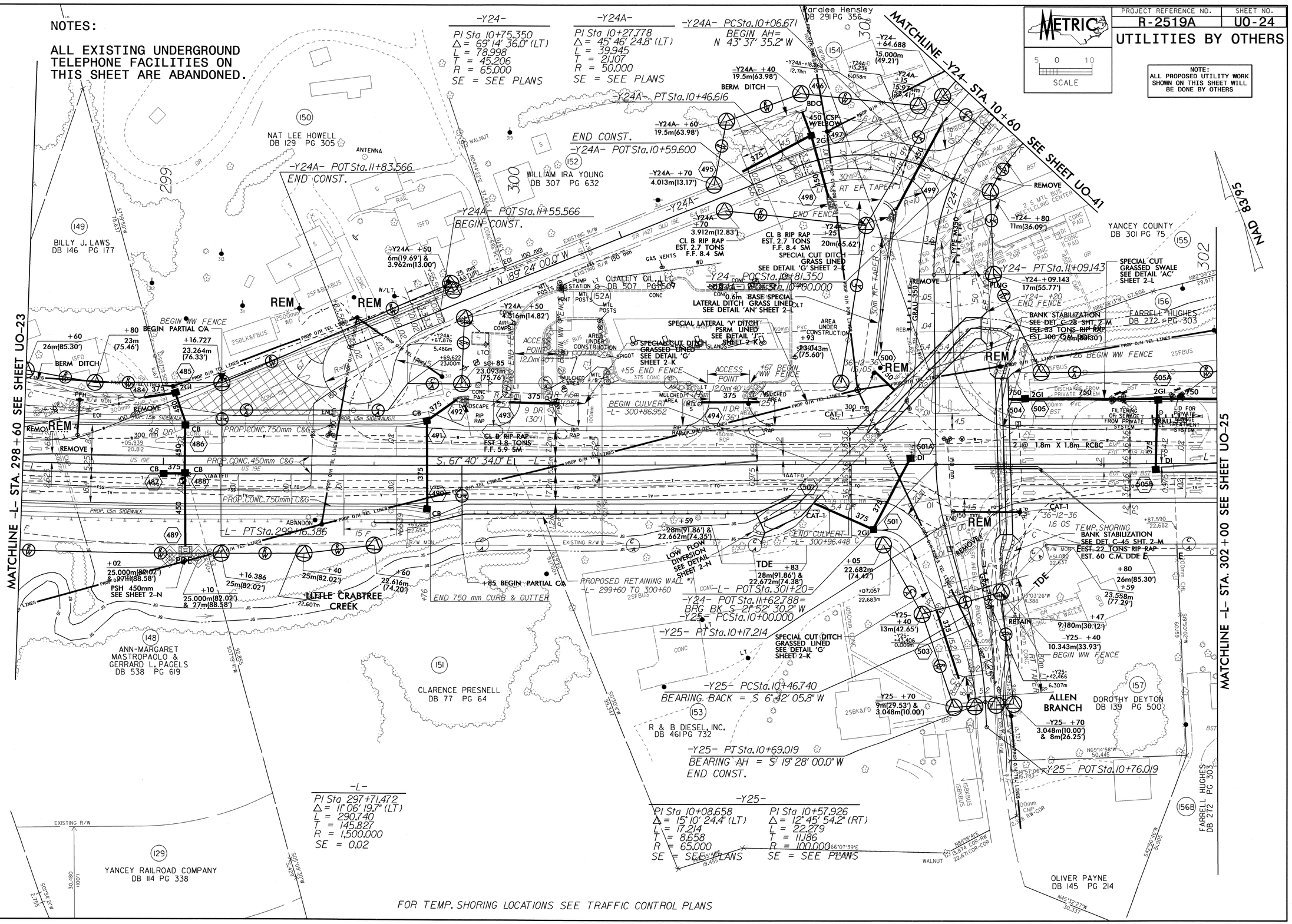
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-24

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

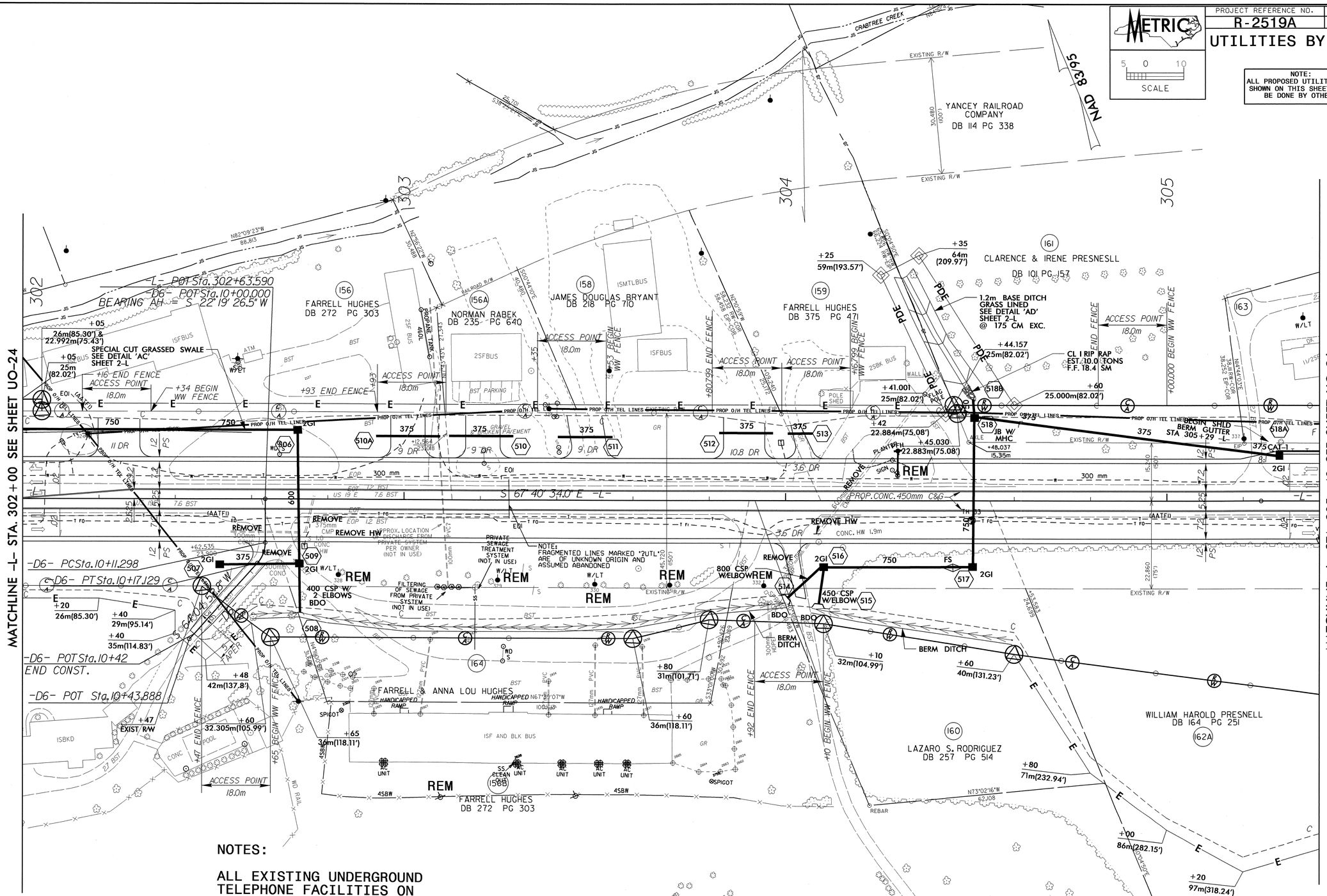


PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-25

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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



NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

-D6-

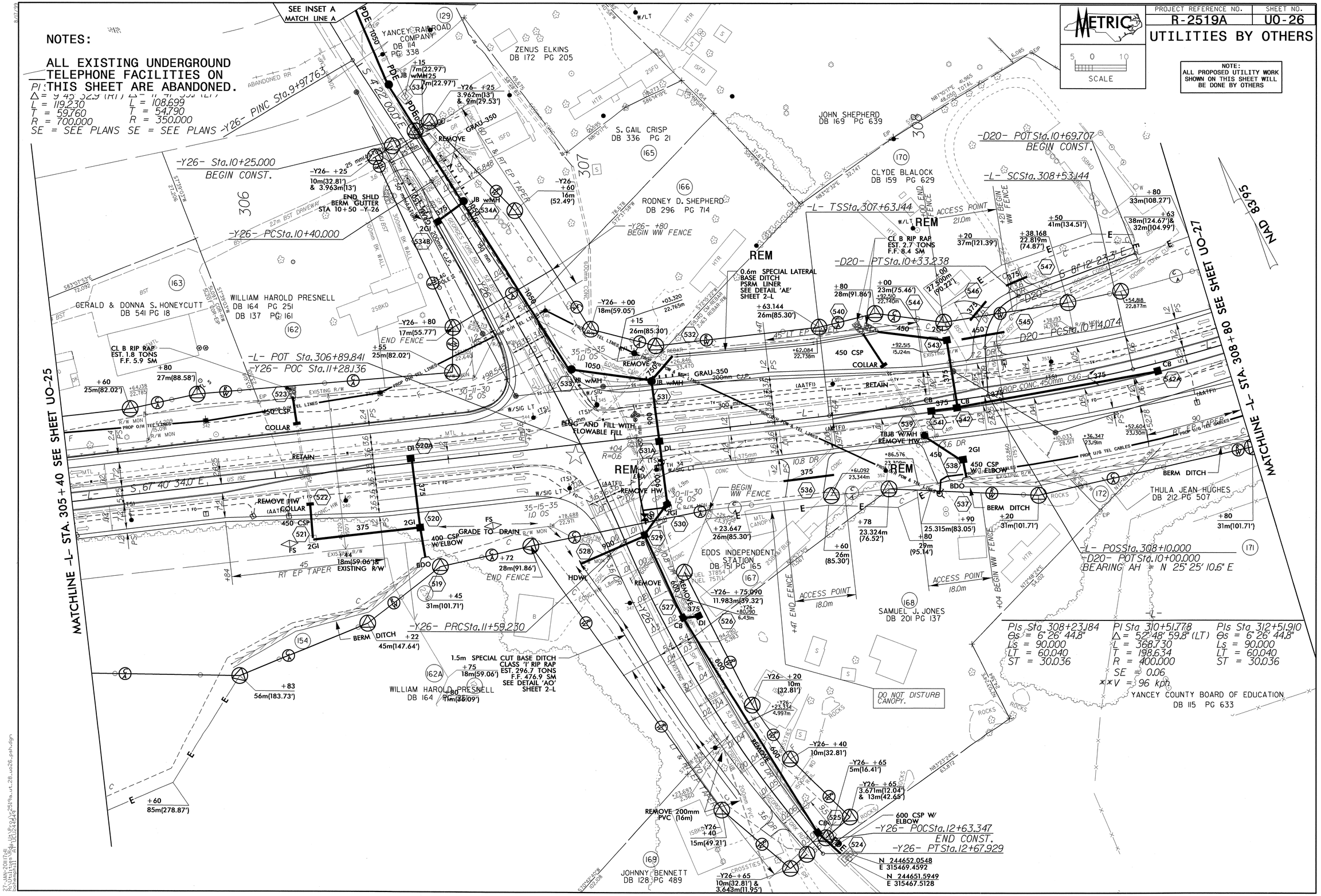
PI Sta 10+14.350
Δ = 41° 45' 26.3" (RT)
L = 5.830
T = 3.051
R = 8.000

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-26

UTILITIES BY OTHERS

METRIC — SCALE 5 0 10

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



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-27

UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

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

NOTES:

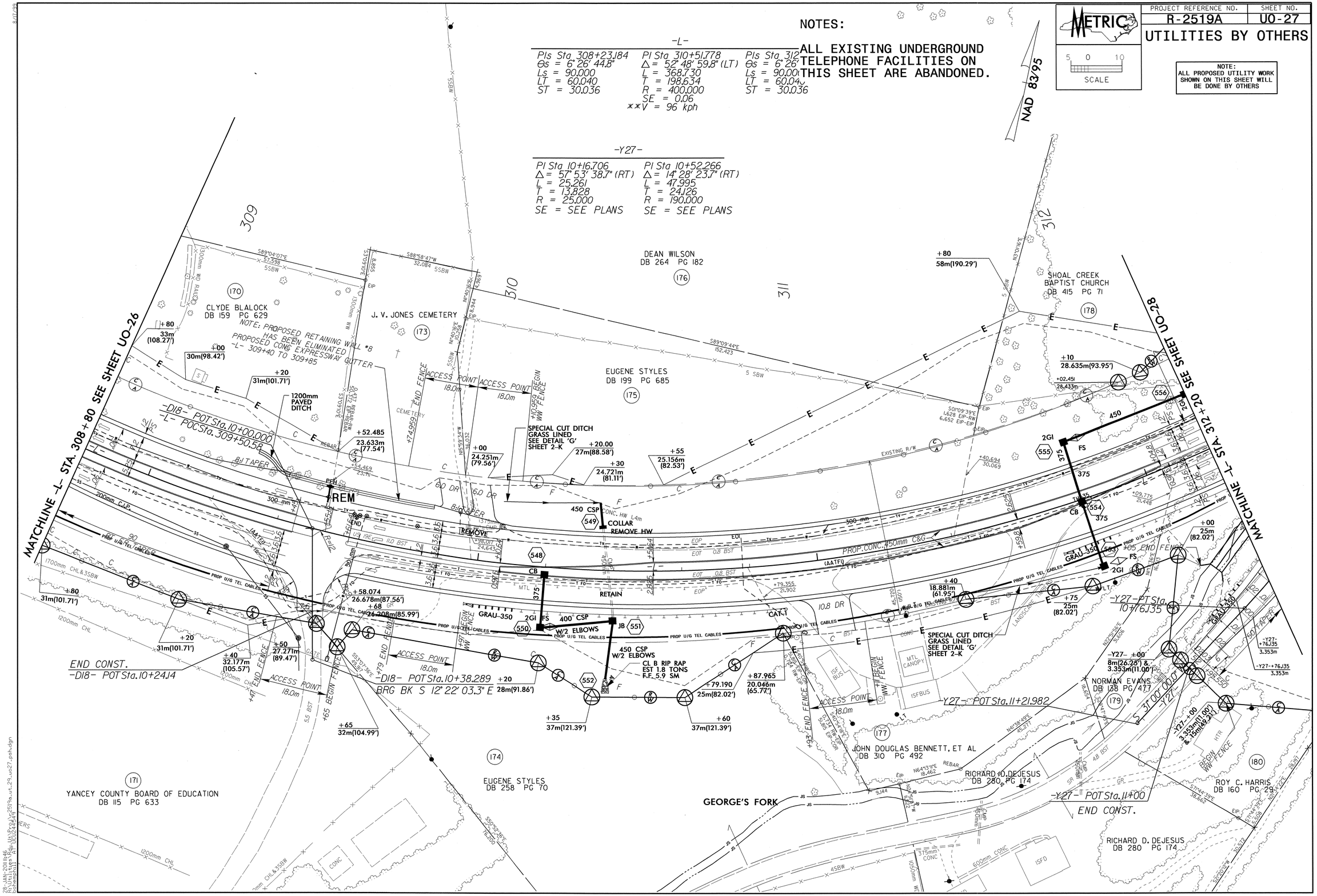
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

-L-

PIs Sta 308+23.184	PI Sta 310+51.778	PIs Sta 312
Θs = 6° 26' 44.8"	Δ = 52° 48' 59.8" (LT)	Θs = 6° 26'
Ls = 90.000	L = 368.730	Ls = 90.00
LT = 60.040	T = 198.634	LT = 60.04
ST = 30.036	R = 400.000	ST = 30.036
	SE = 0.06	
	**V = 96 kph	

-Y27-

PI Sta 10+16.706	PI Sta 10+52.266
Δ = 57° 53' 38.7" (RT)	Δ = 14° 28' 23.7" (RT)
L = 25.261	L = 47.995
T = 13.828	T = 24.126
R = 25.000	R = 190.000
SE = SEE PLANS	SE = SEE PLANS



28-JAN-2011 11:46
R:\Utilities\Ru_Ut\R2519a_ut_29_ue27_psh.dgn
(Pawelczyk) (SELECT 100% Plans)

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-28

UTILITIES BY OTHERS

METRIC — SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

-Y27-

PI Sta 10+16.706
Δ = 57° 53' 38.7" (RT)
L = 25.261
T = 13.828
R = 25.000
SE = SEE PLANS

PI Sta 10+52.266
Δ = 14° 28' 23.7" (RT)
L = 47.995
T = 24.126
R = 190.000
SE = SEE PLANS

-L-

PIs Sta 308+23.184
Θs = 6° 26' 44.8"
Ls = 90.000
LT = 60.040
ST = 30.036

PI Sta 310+51.778
Δ = 52° 48' 59.8" (LT)
L = 368.730
T = 198.634
R = 400.000
SE = 0.06
** V = 96 kph

PIs Sta 312+51.910
Θs = 6° 26' 44.8"
Ls = 90.000
LT = 60.040
ST = 30.036

PIs Sta 314+01.908
Θs = 4° 28' 06.5"
Ls = 90.000
LT = 60.019
ST = 30.017

PI Sta 316+01.330
Δ = 32° 43' 50.7" (LT)
L = 329.617
T = 169.442
R = 577.000
SE = 0.06

PIs Sta 317+91.523
Θs = 4° 28' 06.5"
Ls = 90.000
LT = 60.019
ST = 30.017

NAD 83/95

-Y28-

PI Sta 10+12.569
Δ = 43° 00' 00.0" (RT)
L = 18.762
T = 9.848
R = 25.000
SE = SEE PLANS

PI Sta 10+69.835
Δ = 23° 26' 00.0" (LT)
L = 53.169
T = 26.961
R = 130.000
SE = SEE PLANS

PI Sta 11+36.930
Δ = 5° 42' 00.0" (LT)
L = 59.690
T = 29.870
R = 600.000

-D8-

PI Sta 10+26.115
Δ = 46° 33' 12.8" (RT)
L = 12.188
T = 6.453
R = 15.000

PI Sta 10+45.515
Δ = 49° 30' 17.7" (LT)
L = 12.960
T = 6.916
R = 15.000

-D9-

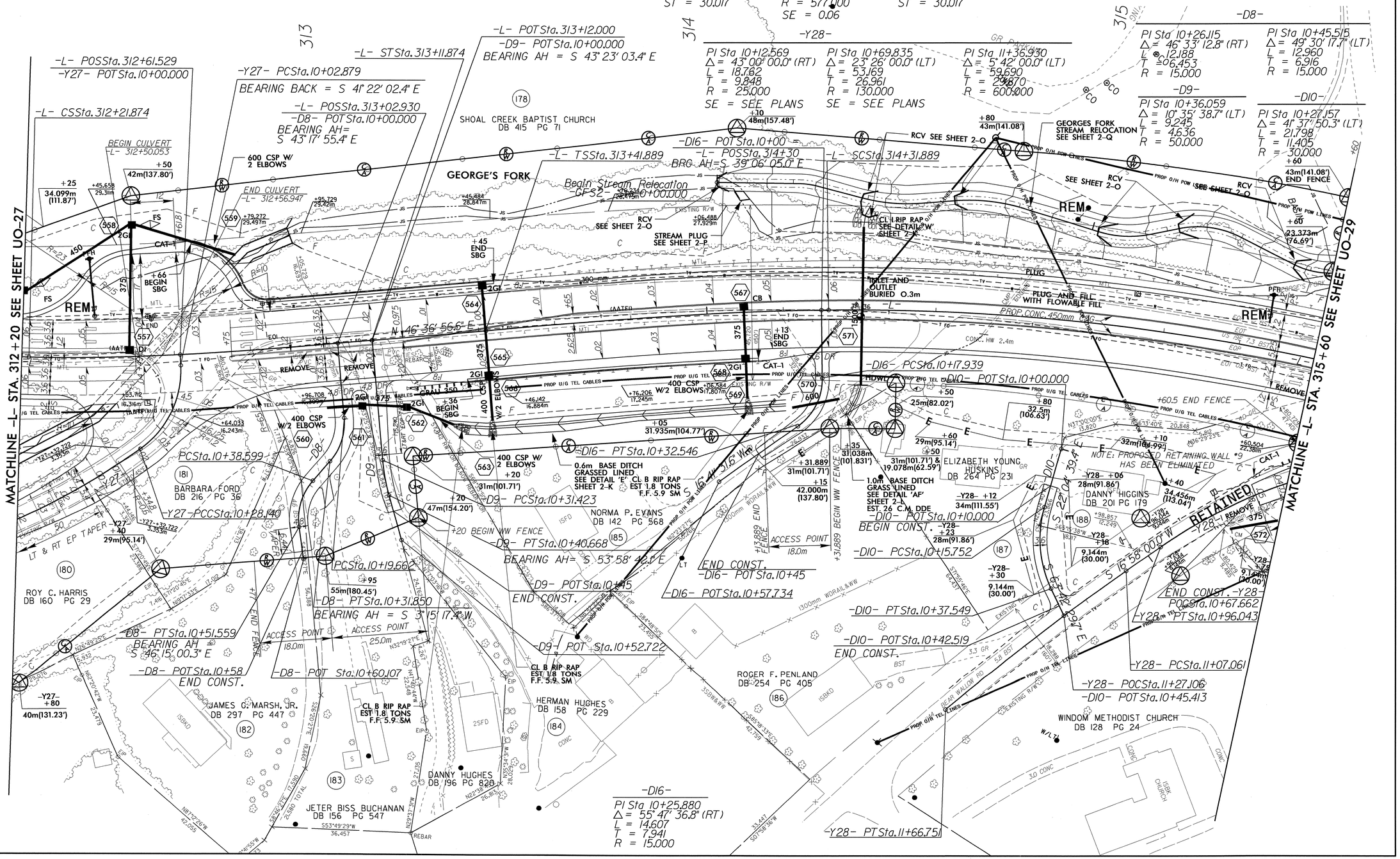
PI Sta 10+36.059
Δ = 10° 35' 38.7" (LT)
L = 9.245
T = 4.636
R = 50.000

-D10-

PI Sta 10+27.157
Δ = 41° 37' 50.3" (LT)
L = 21.798
T = 11.405
R = 30.000

-D16-

PI Sta 10+25.880
Δ = 55° 47' 36.8" (RT)
L = 14.607
T = 7.941
R = 15.000



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-29

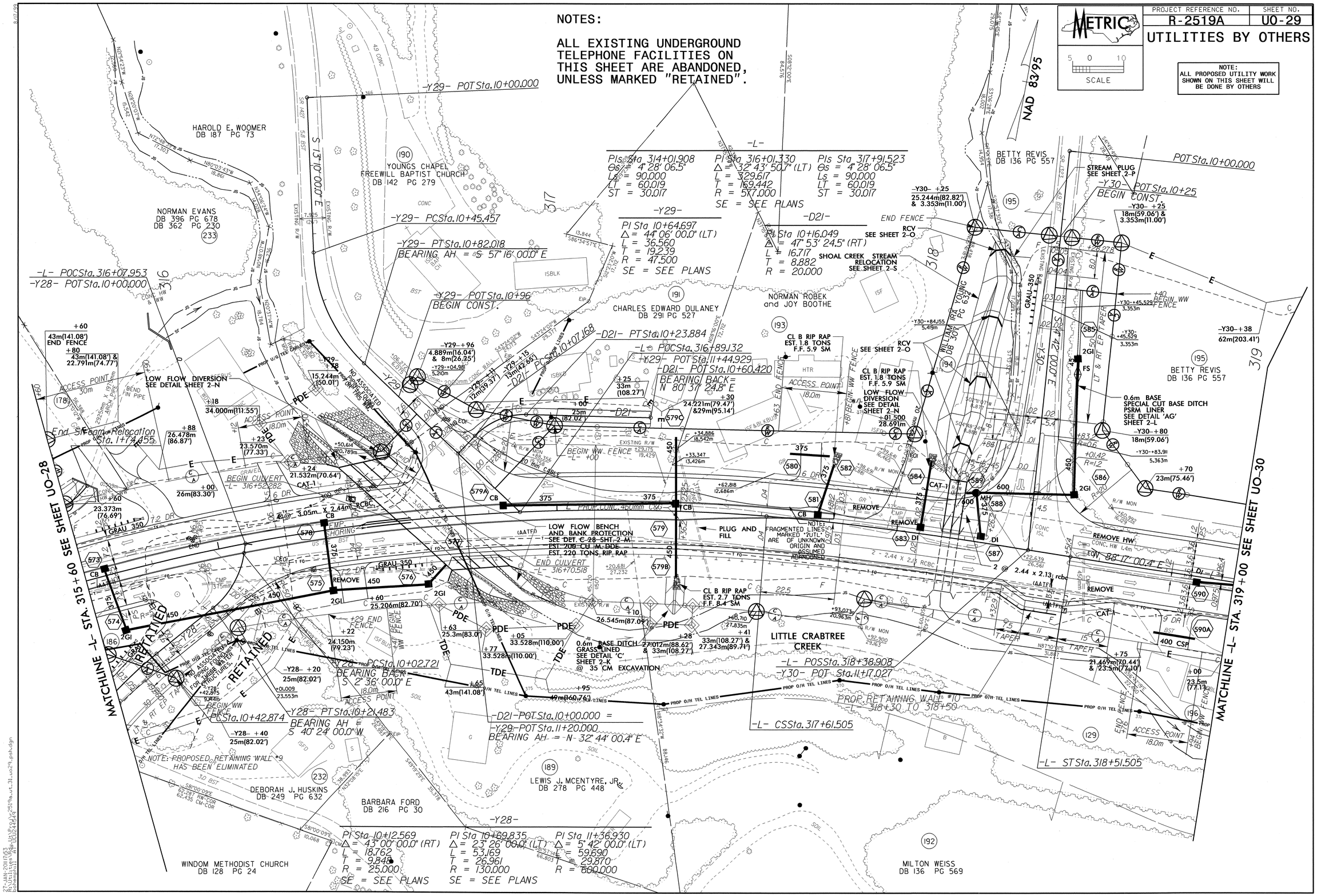
UTILITIES BY OTHERS

METRIC SCALE 5 0 10

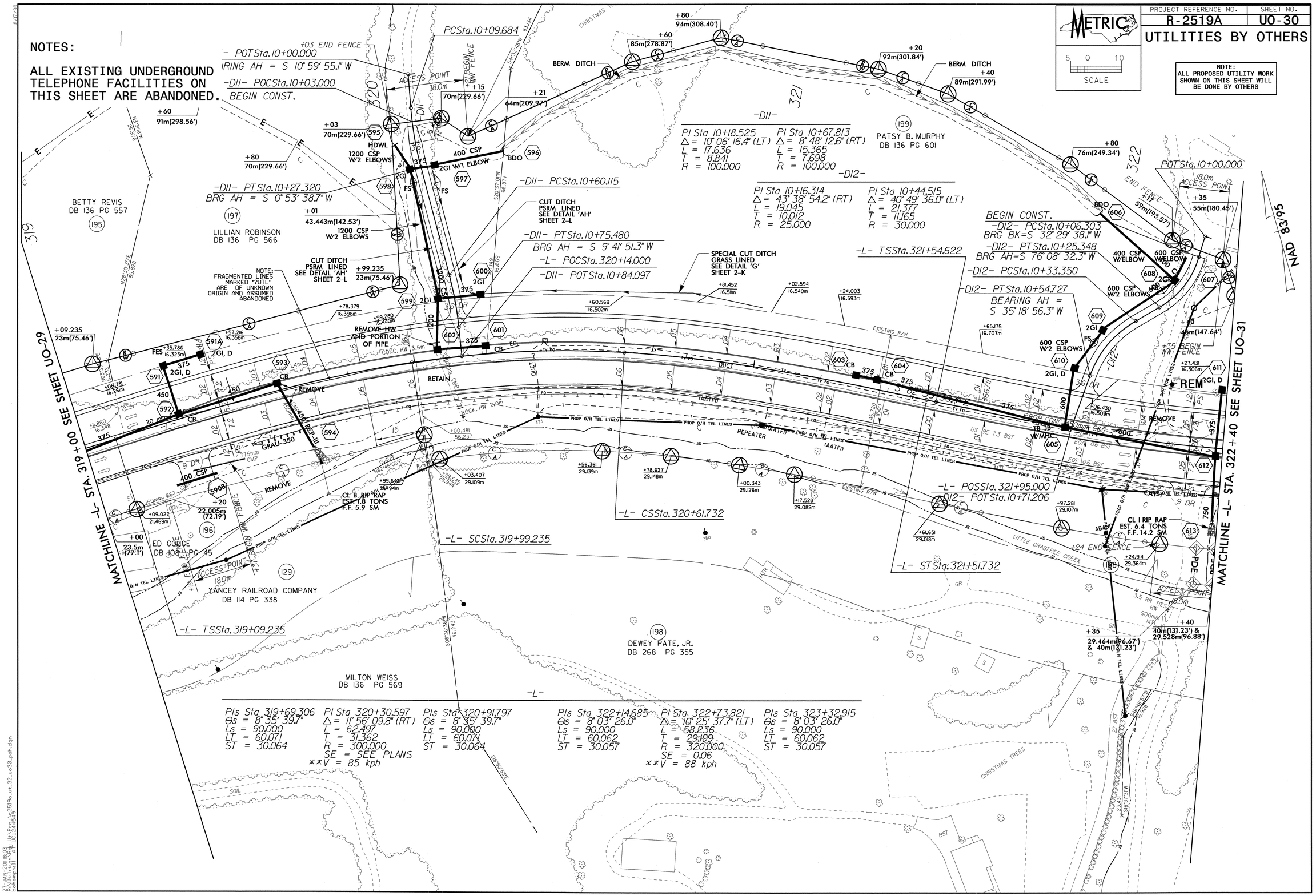
NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".



27-JAN-2011 7:53
R:\Utilities\Proj\U0R2519a_ut_31_uo29_psh.dgn



PROJECT REFERENCE NO.
R-2519A
SHEET NO.
U0-30
UTILITIES BY OTHERS
METRIC
SCALE
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS
NOTES:
ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.
-DI1-
PI Sta 10+18.525
Δ = 10° 06' 16.4" (LT)
L = 17.636
T = 8.841
R = 100.000
PI Sta 10+67.813
Δ = 8° 48' 12.6" (RT)
L = 15.365
T = 7.698
R = 100.000
-DI2-
PI Sta 10+16.314
Δ = 43° 38' 54.2" (RT)
L = 19.045
T = 10.012
R = 25.000
PI Sta 10+44.515
Δ = 40° 49' 36.0" (LT)
L = 21.377
T = 11.165
R = 30.000
PI Sta 319+69.306
Θs = 8° 35' 39.7"
Ls = 90.000
LT = 60.071
ST = 30.064
PI Sta 320+30.597
Δ = 11° 56' 09.8" (RT)
L = 62.497
T = 31.362
R = 300.000
SE = SEE PLANS
**V = 85 kph
PI Sta 320+91.797
Θs = 8° 35' 39.7"
Ls = 90.000
LT = 60.071
ST = 30.064
PI Sta 322+14.685
Θs = 8° 03' 26.0"
Ls = 90.000
LT = 60.062
ST = 30.057
PI Sta 322+73.821
Δ = 10° 25' 37.7" (LT)
L = 58.236
T = 29.199
R = 320.000
SE = 0.06
**V = 88 kph
PI Sta 323+32.915
Θs = 8° 03' 26.0"
Ls = 90.000
LT = 60.062
ST = 30.057
-L-
-DI1- POCSta.10+03.000
BEGIN CONST.
-DI1- PTSta.10+27.320
BRG AH = S 0° 53' 38.7" W
-DI1- PCSta.10+60.115
-DI1- PTSta.10+75.480
BRG AH = S 9° 41' 51.3" W
-L- POCSta.320+14.000
-DI1- POTSta.10+84.097
-L- TSSta.321+54.622
-L- POSSta.321+95.000
-DI2- POTSta.10+71.206
-L- STSta.321+51.732
-L- CSSta.320+61.732
-L- SCSta.319+99.235
-L- TSSta.319+09.235
-DI2- PCSta.10+06.303
BRG BK=S 32° 29' 38.1" W
-DI2- PTSta.10+25.348
BRG AH=S 76° 08' 32.3" W
-DI2- PCSta.10+33.350
-DI2- PTSta.10+54.727
BEARING AH = S 35° 18' 56.3" W
POTSta.10+00.000
PCSta.10+09.684
BETTY REVIS
DB 136 PG 557
LILLIAN ROBINSON
DB 136 PG 566
PATSY B. MURPHY
DB 136 PG 601
ED GOUGE
DB 108 PG 45
YANCEY RAILROAD COMPANY
DB 114 PG 338
DEWEY PATE, JR.
DB 268 PG 355
MILTON WEISS
DB 136 PG 569
MATCHLINE -L- STA. 319+00 SEE SHEET UO-29
MATCHLINE -L- STA. 322+40 SEE SHEET UO-31
NAD 83/95
CL B RIP RAP
EST. 1.8 TONS
F.F. 5.9 SM
CL I RIP RAP
EST. 6.4 TONS
F.F. 14.2 SM
REMOVE HW AND PORTION OF PIPE
CUT DITCH PSRM LINED SEE DETAIL 'AH' SHEET 2-L
SPECIAL CUT DITCH GRASS LINED SEE DETAIL 'G' SHEET 2-K
NOTE: FRAGMENTED LINES MARKED "?UTL" ARE OF UNKNOWN ORIGIN AND ASSUMED ABANDONED
BERM DITCH
ACCESS POINT
CHRISTMAS TREES
LITTLE CRABTREE CREEK

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-31

UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

-DI4REV-
PI Sta 11+00.718
Δ = 20° 57' 01.9" (LT)
L = 73.131
T = 36.979
R = 200.000

PI Sta 11+46.038
Δ = 10° 28' 31.0" (RT)
L = 18.283
T = 9.167
R = 100.000

-DI4-
PI Sta 11+91.285
Δ = 52° 57' 00.5" (LT)
L = 27.725
T = 14.941
R = 30.000

-L-
PIs Sta 322+14.685
Θs = 8° 03' 26.0"
Ls = 90.000
LT = 60.062
ST = 30.057

PI Sta 322+73.821
Δ = 10° 25' 37.7" (LT)
L = 58.236
T = 29.199
R = 320.000
SE = SEE PLANS
**V = 88 kph

PIs Sta 323+32.915
Θs = 8° 03' 26.0"
Ls = 90.000
LT = 60.062
ST = 30.057

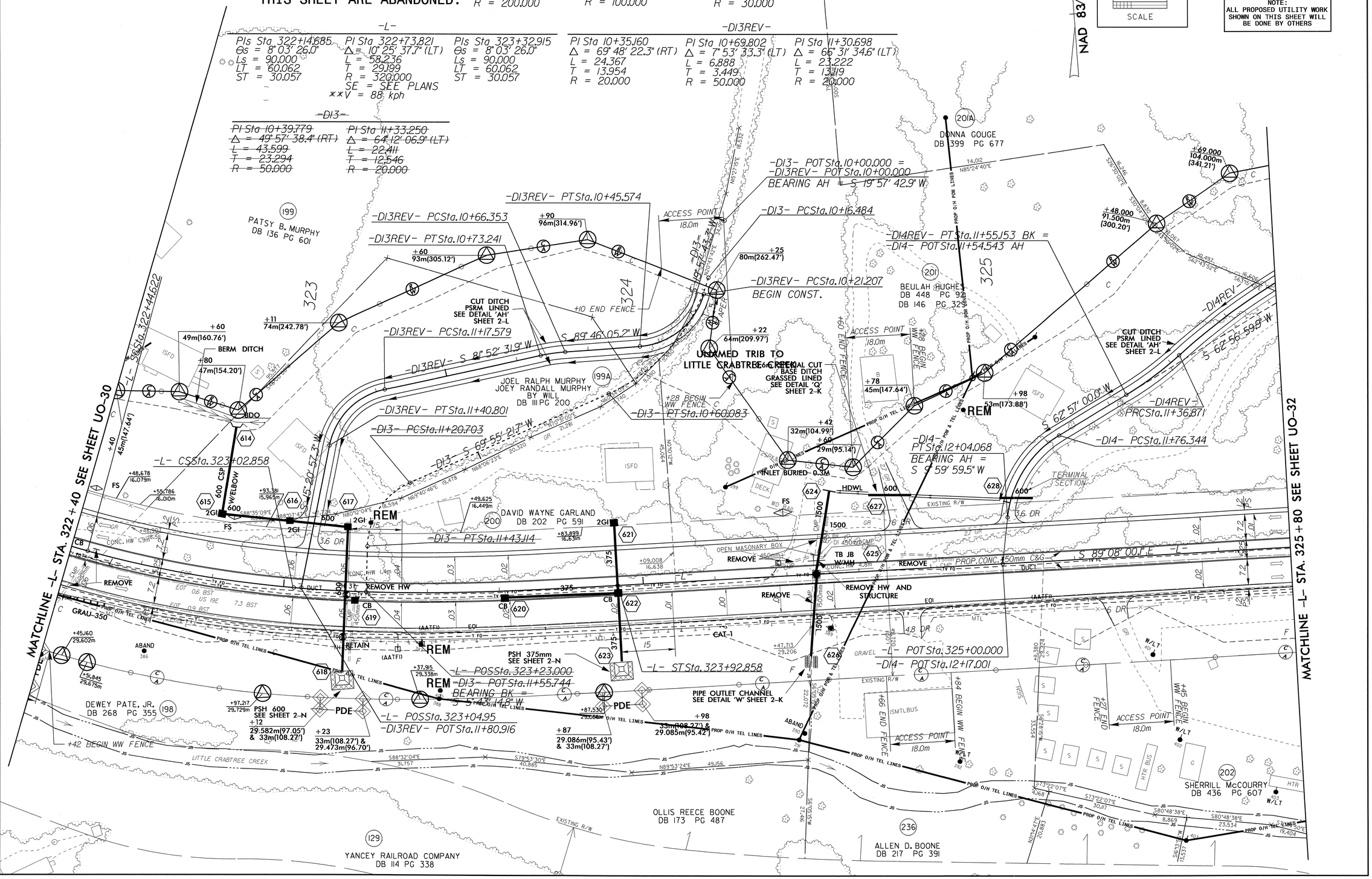
-DI3REV-
PI Sta 10+35.160
Δ = 69° 48' 22.3" (RT)
L = 24.367
T = 13.954
R = 20.000

PI Sta 10+69.802
Δ = 7° 53' 33.3" (LT)
L = 6.888
T = 3.449
R = 50.000

PI Sta 11+30.698
Δ = 66° 31' 34.6" (LT)
L = 23.222
T = 13.319
R = 20.000

~~-DI3-~~
~~PI Sta 10+39.779~~
~~Δ = 49° 57' 38.4" (RT)~~
~~L = 43.599~~
~~T = 23.294~~
~~R = 50.000~~

~~PI Sta 11+33.250~~
~~Δ = 64° 12' 06.9" (LT)~~
~~L = 22.411~~
~~T = 12.546~~
~~R = 20.000~~



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-32

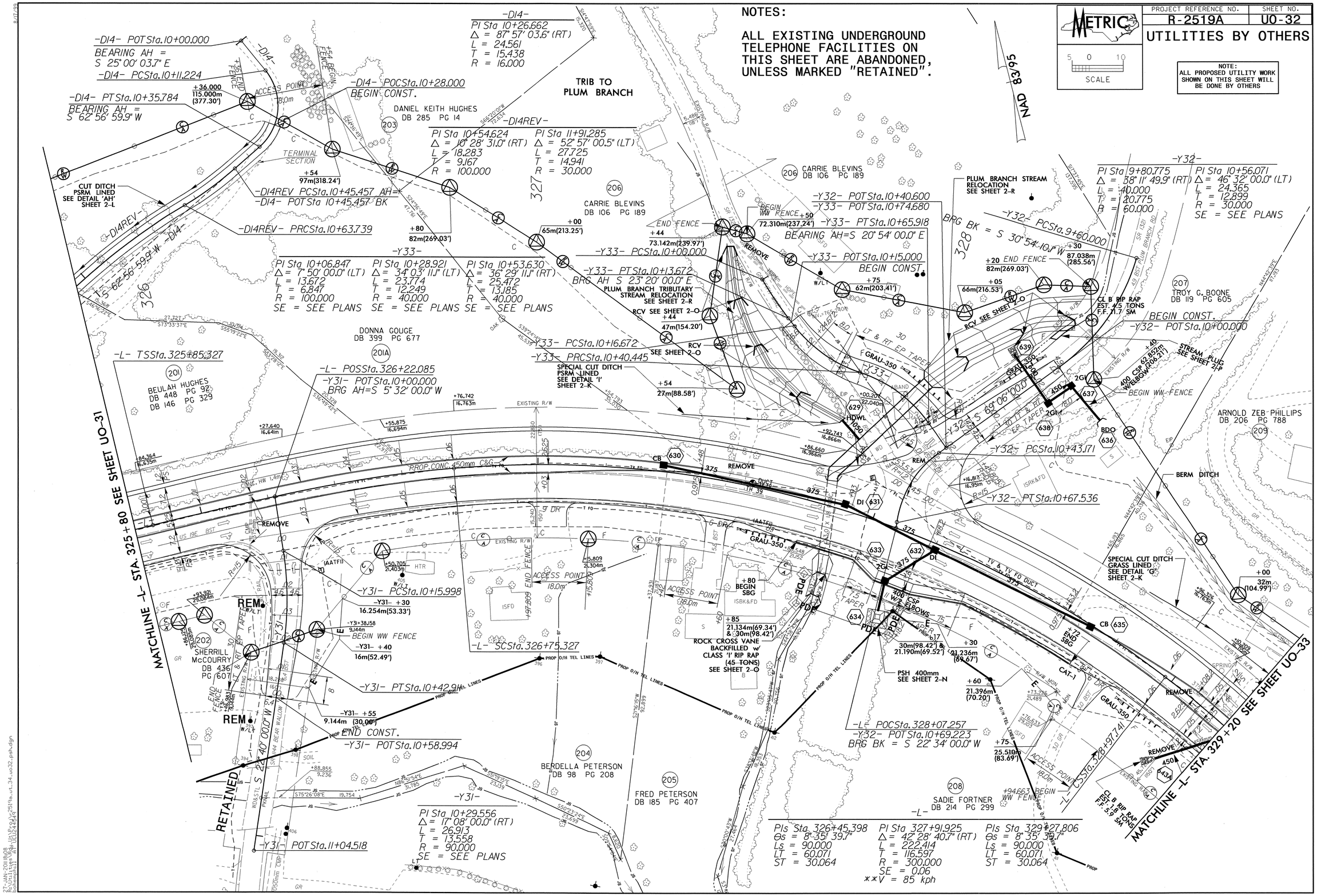
UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".

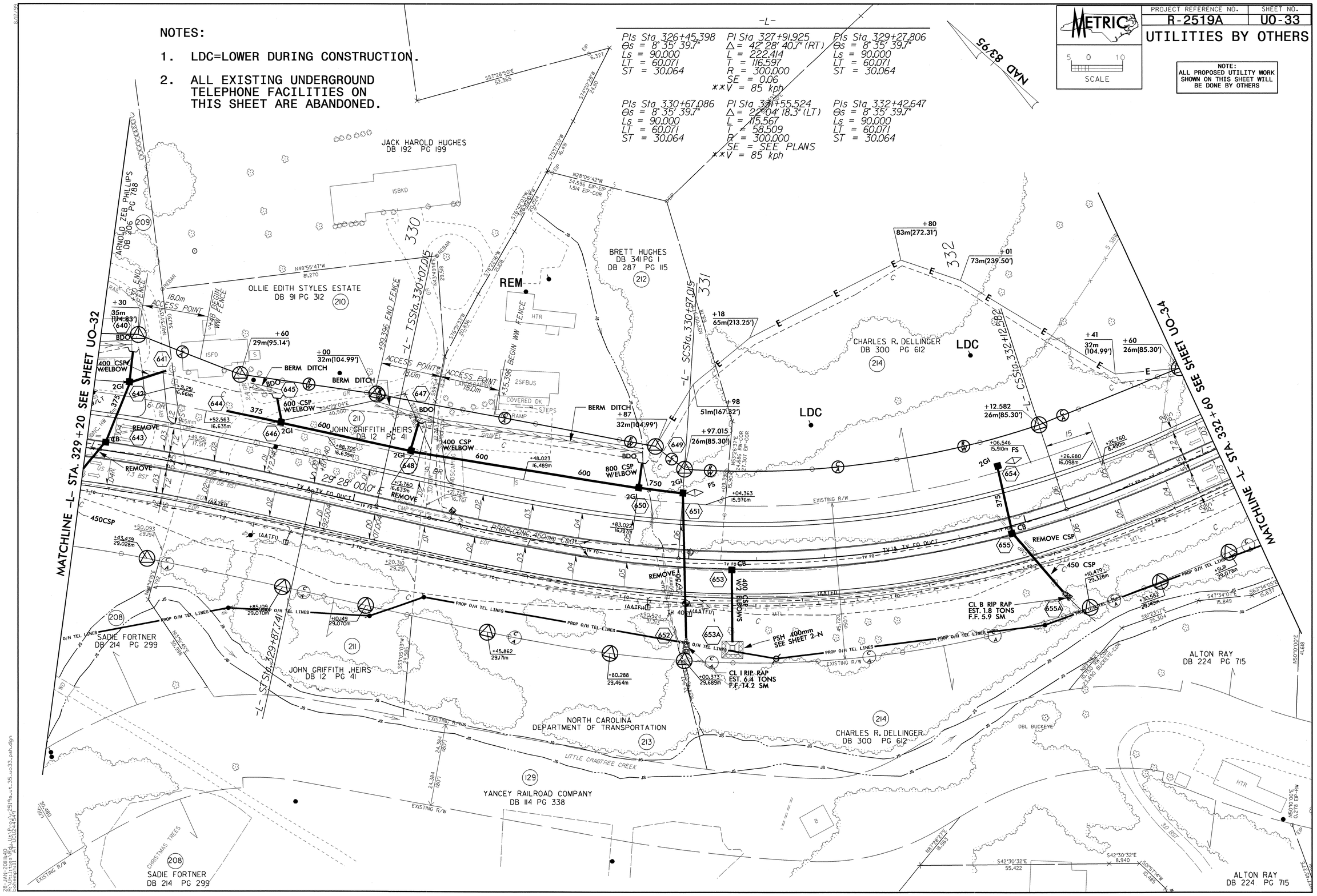


NOTES:

1. LDC=LOWER DURING CONSTRUCTION.
2. ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

-L-

PIs Sta 326+45.398 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064	PI Sta 327+91.925 Δ = 42° 28' 40.7" (RT) L = 222.414 T = 116.597 R = 300.000 SE = 0.06 **V = 85 kph	PIs Sta 329+27.806 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064
PIs Sta 330+67.086 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064	PI Sta 331+55.524 Δ = 22° 04' 18.3" (LT) L = 115.567 T = 58.509 R = 300.000 SE = SEE PLANS **V = 85 kph	PIs Sta 332+42.647 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064



METRIC

SCALE 5 0 10

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-33

UTILITIES BY OTHERS

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

8/17/99

28-JAN-2011 11:40
R:\Utilities\Rdy_Ut\Proj\r2519a_ut_35_uo33_psh.dgn
bohemphill AT UCU244549

NOTES:

1. LDC=LOWER DURING CONSTRUCTION.
2. ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-34

UTILITIES BY OTHERS

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

METRIC

SCALE 5 0 10

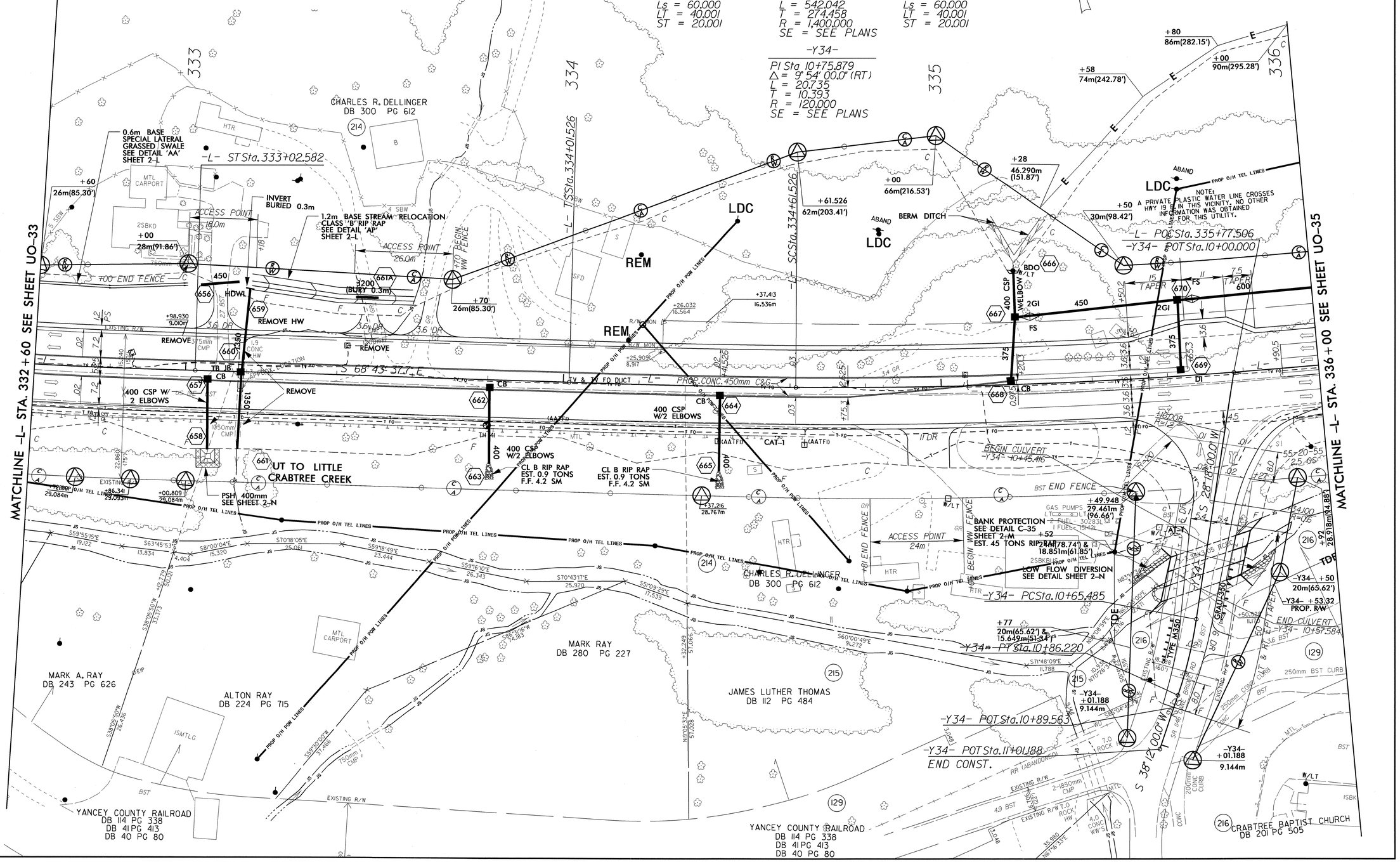
NAD 83/95

-L-

PIs Sta 330+67.086 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064	PI Sta 331+55.524 Δ = 22° 04' 18.3" (LT) L = 115.567 T = 58.509 R = 300.000 SE = SEE PLANS **V = 85 kph	PIs Sta 332+42.647 Θs = 8° 35' 39.7" Ls = 90.000 LT = 60.071 ST = 30.064
PIs Sta 334+41.527 Θs = 1° 13' 40.0" Ls = 60.000 LT = 40.001 ST = 20.001	PI Sta 337+35.985 Δ = 22° 11' 00.2" (LT) L = 542.042 T = 274.458 R = 1,400.000 SE = SEE PLANS	PIs Sta 340+23.570 Θs = 1° 13' 40.0" Ls = 60.000 LT = 40.001 ST = 20.001

-Y34-

PI Sta 10+75.879
Δ = 9° 54' 00.0" (RT)
L = 20.735
T = 10.393
R = 120.000
SE = SEE PLANS



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-35

UTILITIES BY OTHERS

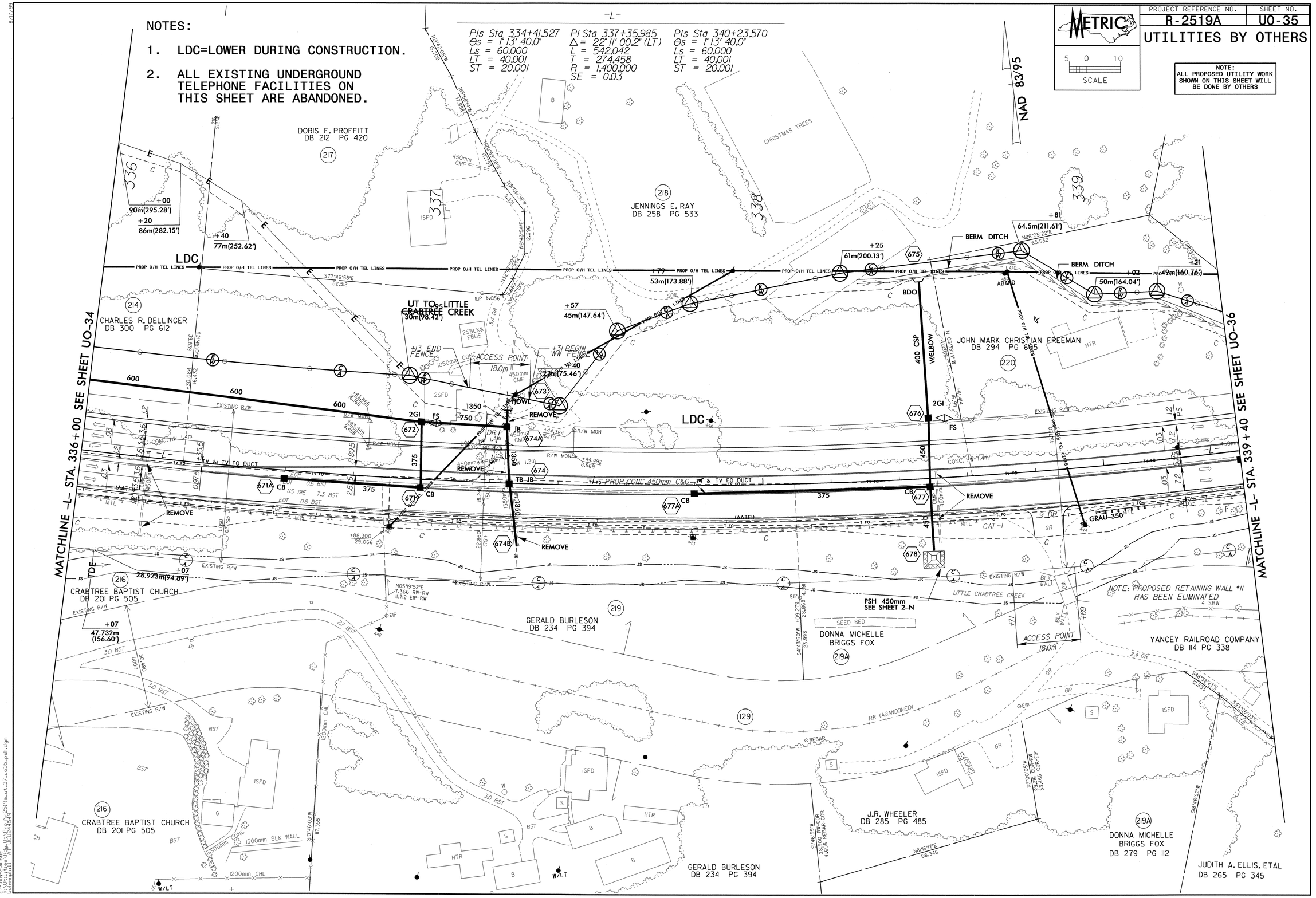
METRIC

5 0 10
SCALE

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

NOTES:

1. LDC=LOWER DURING CONSTRUCTION.
2. ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-36

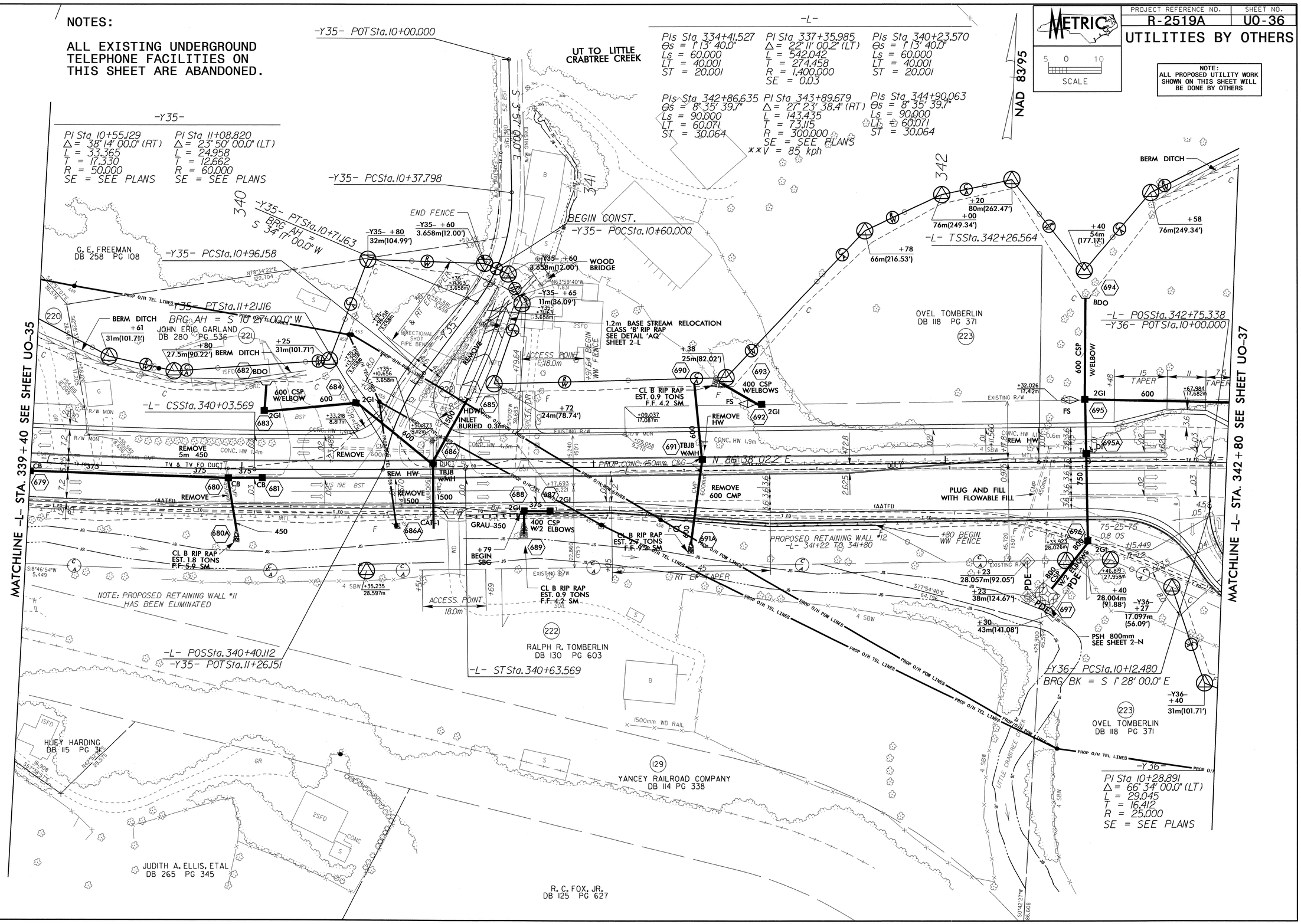
UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED.



PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-37

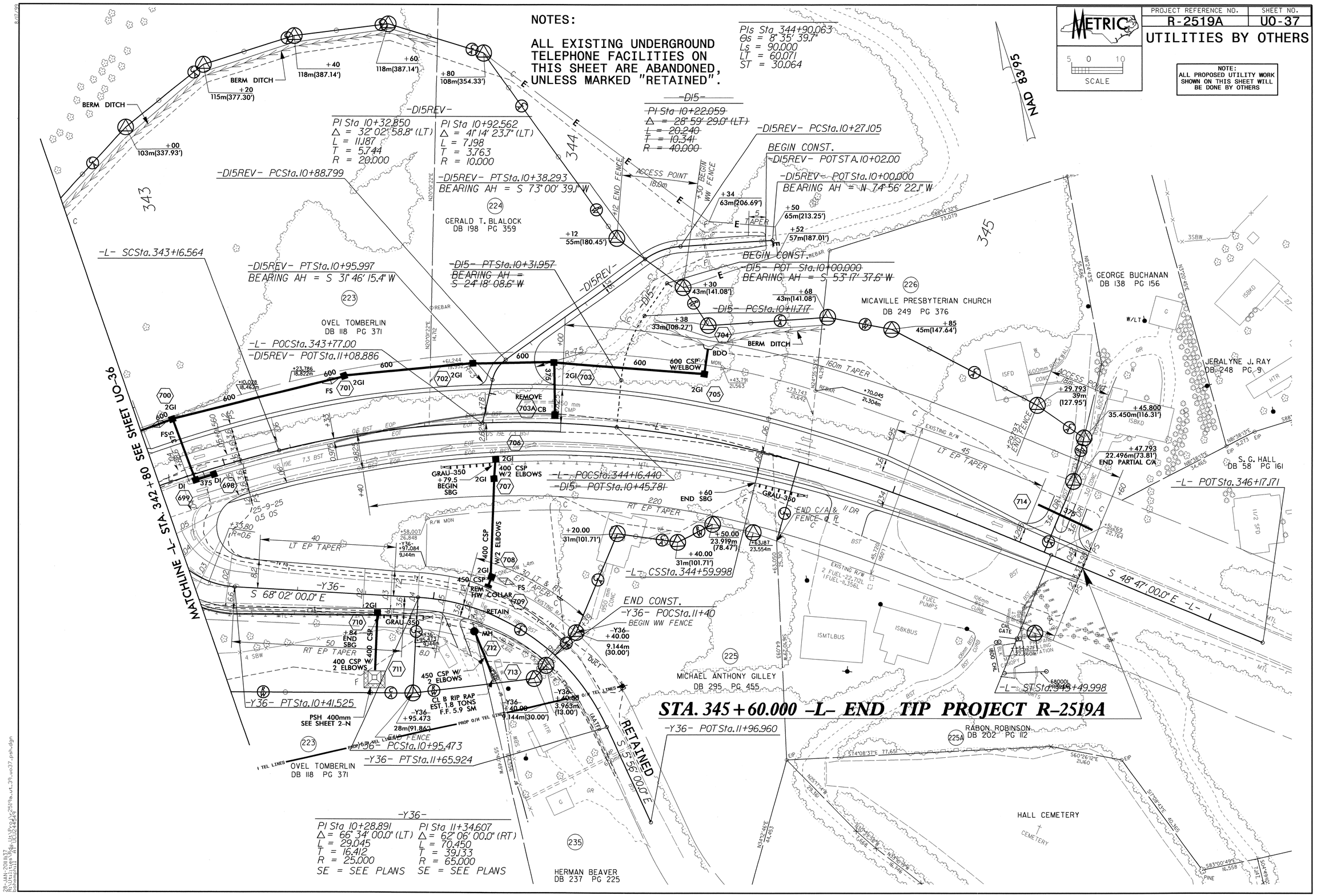
UTILITIES BY OTHERS

METRIC SCALE 5 0 10

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

NOTES:

ALL EXISTING UNDERGROUND TELEPHONE FACILITIES ON THIS SHEET ARE ABANDONED, UNLESS MARKED "RETAINED".



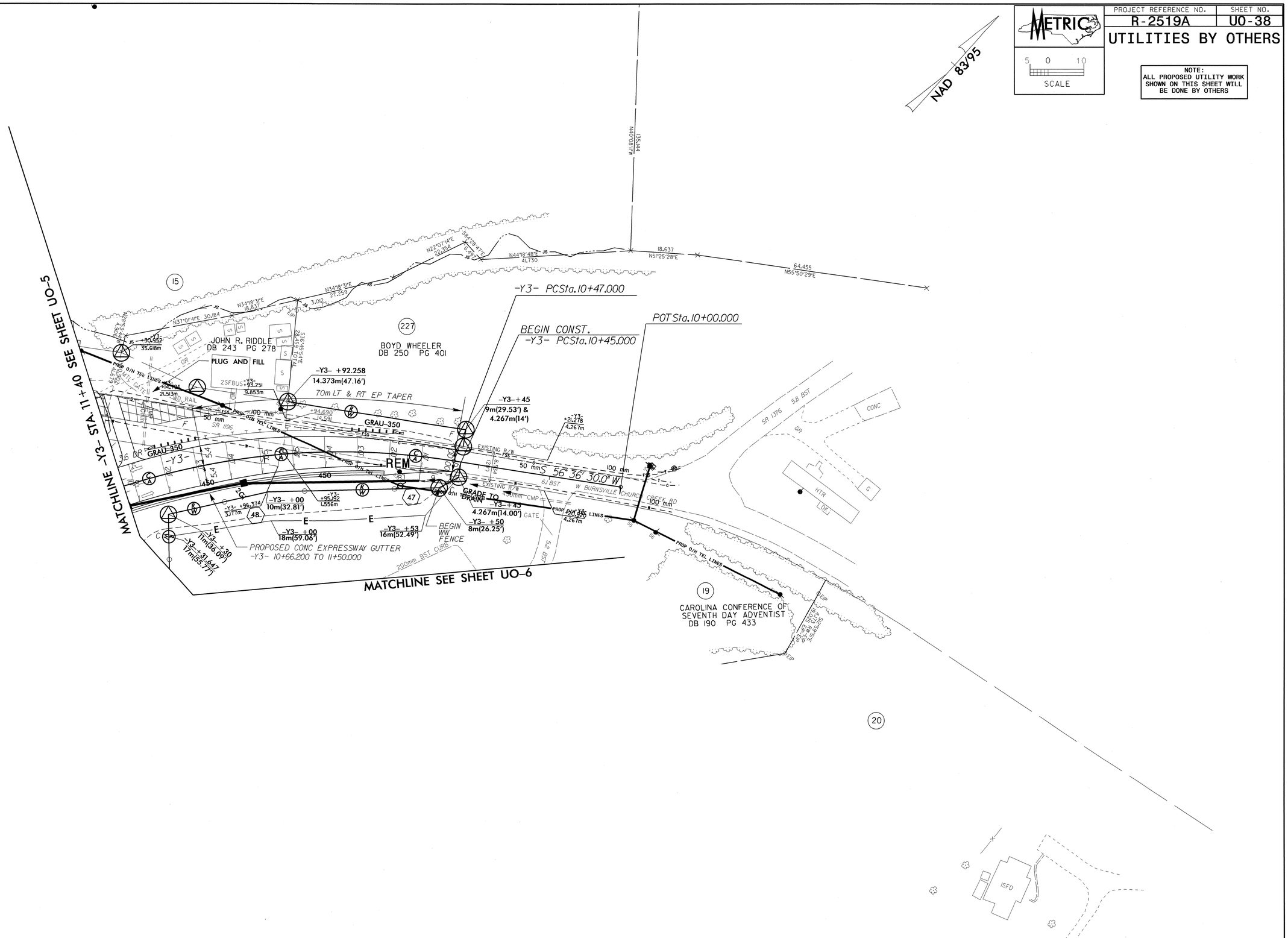
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	UO-38

UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

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



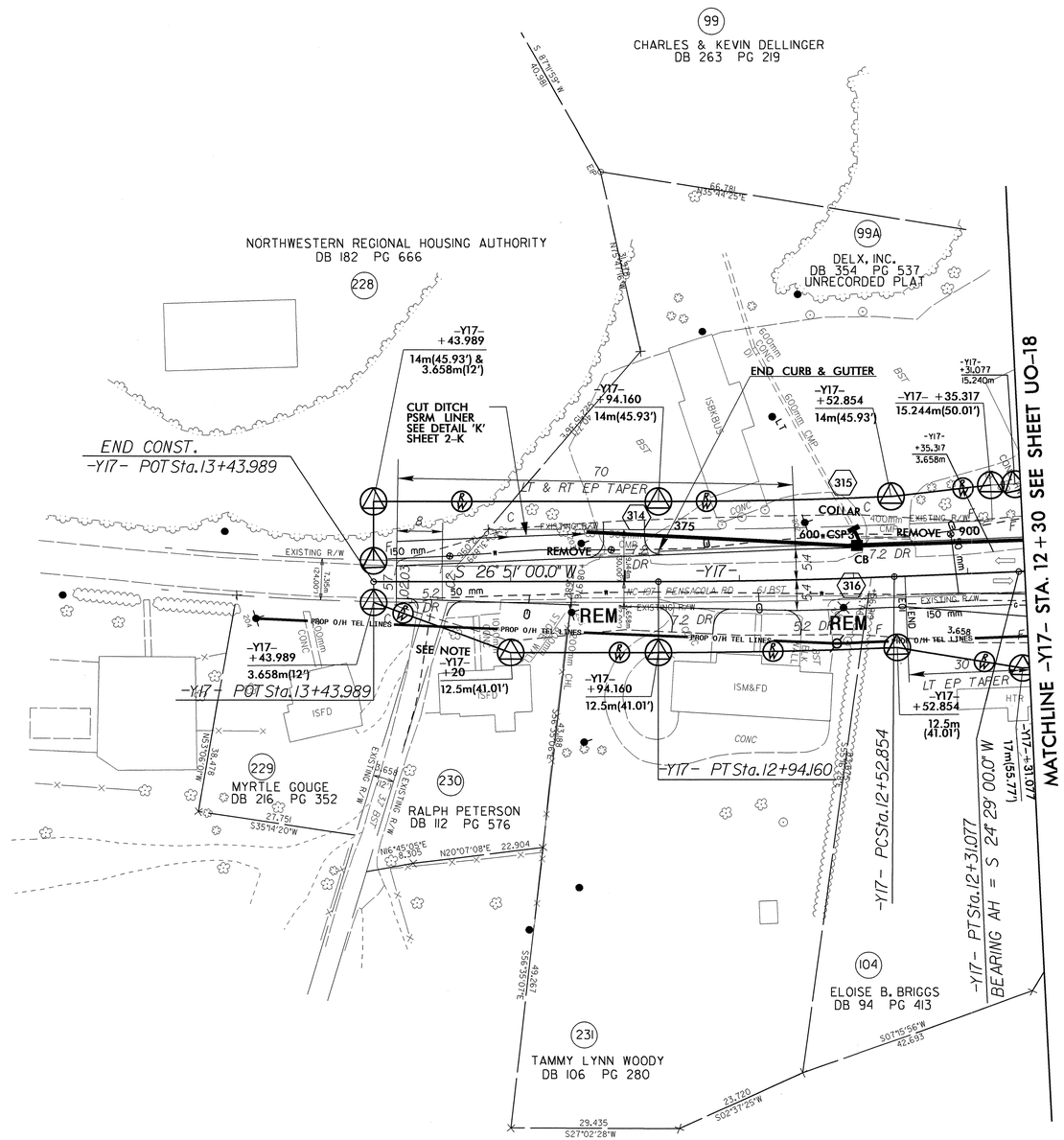
PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-39

UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

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



28-JAN-2011 11:34
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bohemphill AT UCU2445

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-40

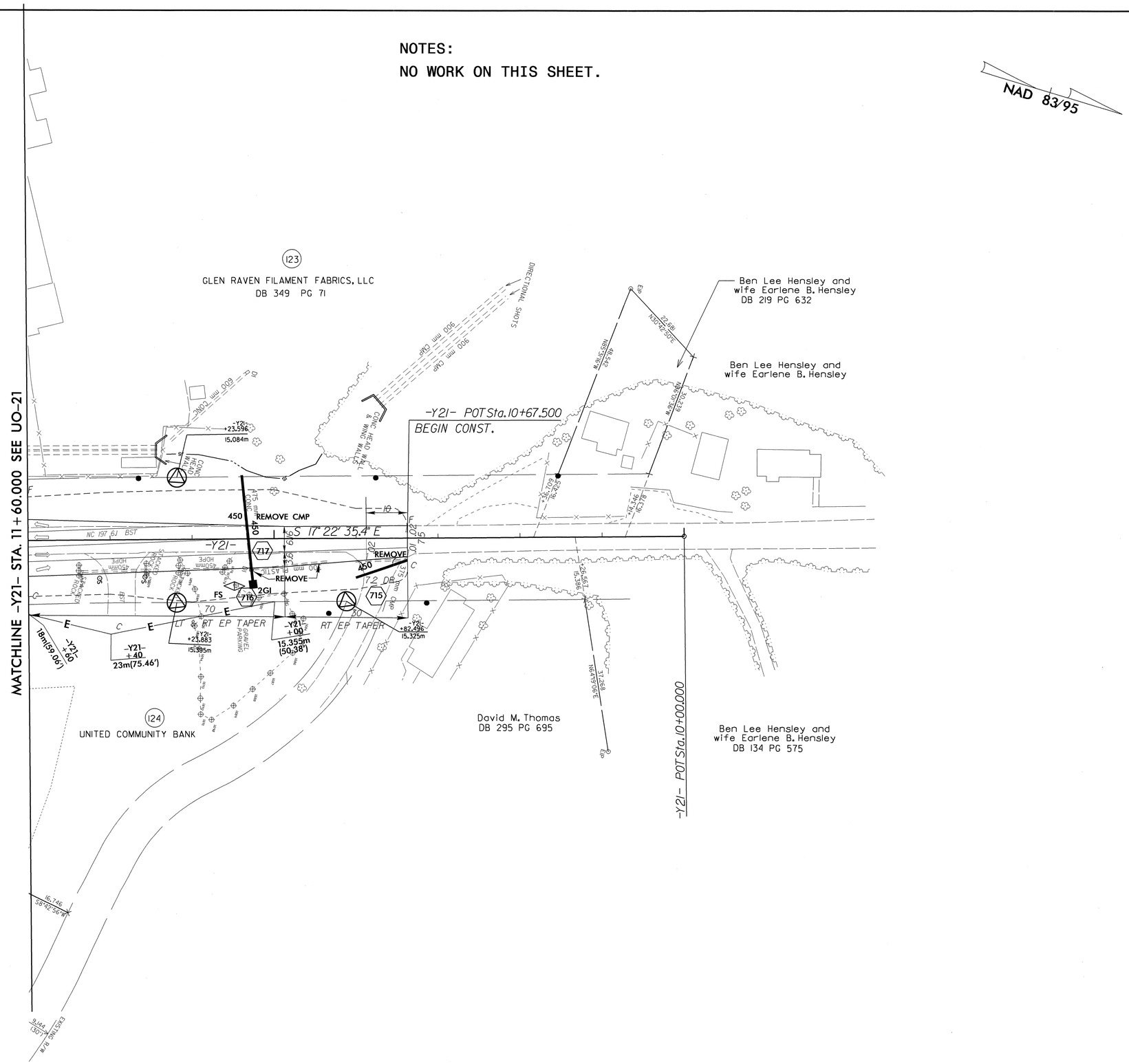
UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

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

NOTES:
NO WORK ON THIS SHEET.



27-JAN-2011 18:34
R:\Utilities\Rdu_Ut_Proj\r2519a_ut_42_uo40_psh.dgn
bohemphill AT UCU2445449

PROJECT REFERENCE NO.	SHEET NO.
R-2519A	U0-41

UTILITIES BY OTHERS

METRIC

5 0 10
SCALE

NAD 83/95

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

8/17/99

27-JAN-2011 8:34
R:\Utilities\Ra\U0\R2519a_ut_43_u041_psh.dgn