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See Sheet 1-A For Index of Sheets
See Sheet 1-B For CONVENTIONAL SYMBOLS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-3308	UO-01

**UTILITIES BY OTHERS
DURHAM COUNTY**

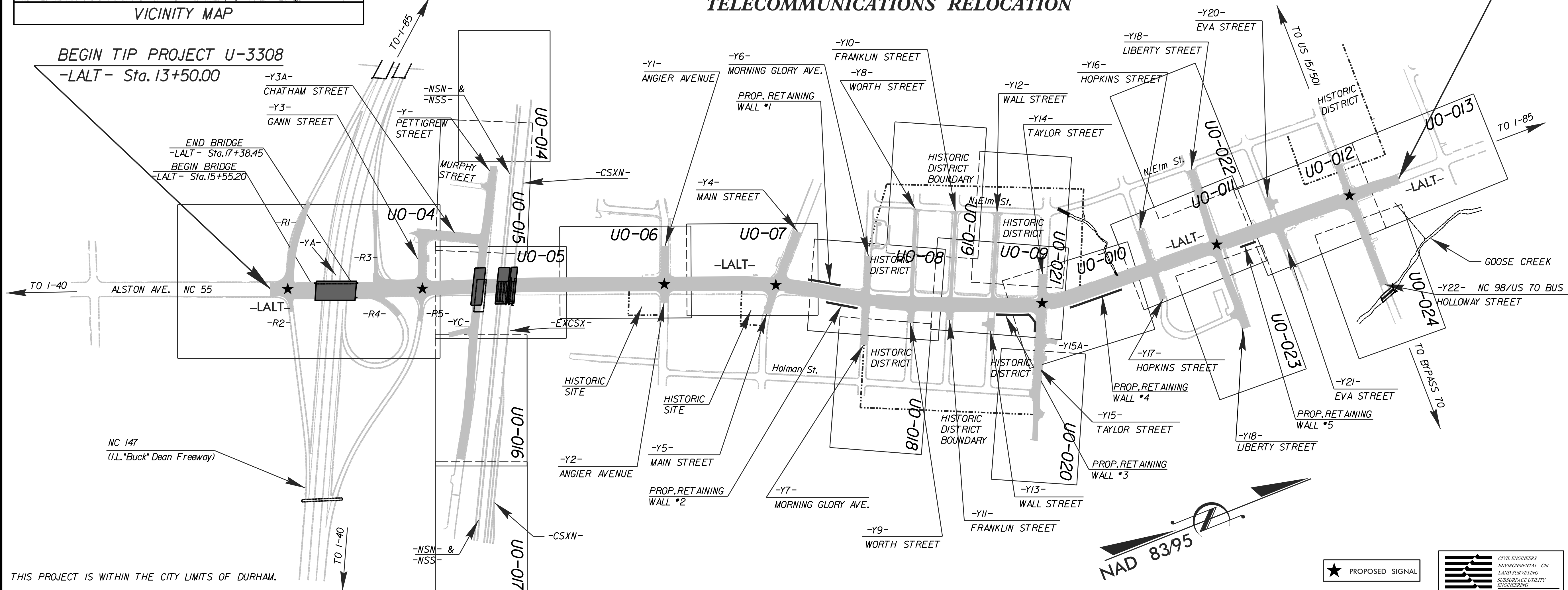
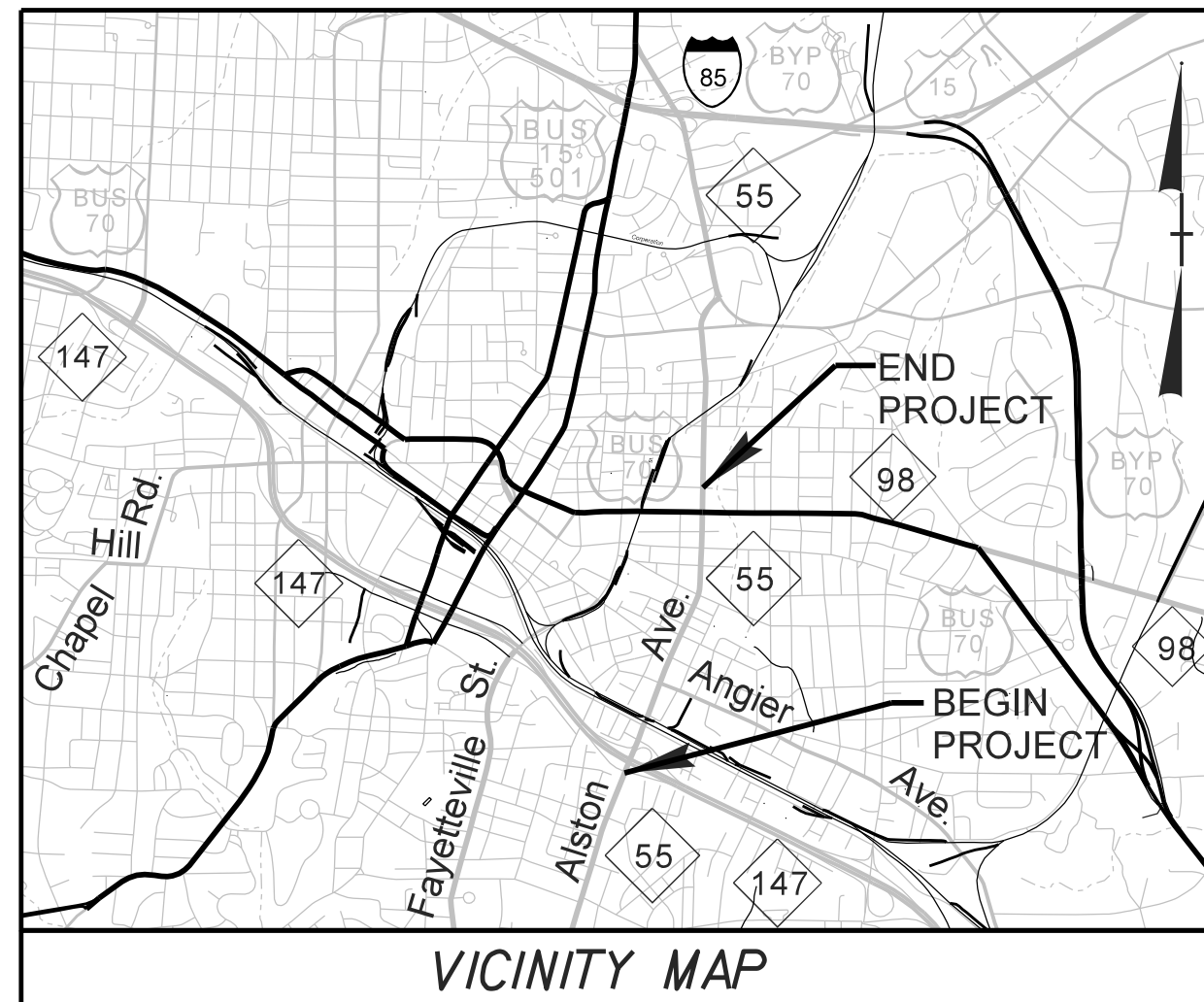
LOCATION: NC 55 (ALSTON AVE.) FROM NC 147 (I.L. "BUCK" DEAN
FREEWAY) TO NORTH OF US 70 BUS/NC 98 (HOLLOWAY ST.)

TYPE OF WORK: OVERHEAD AND UNDERGROUND POWER, GAS &
TELECOMMUNICATIONS RELOCATION

END TIP PROJECT U-3308
-LALT- Sta. 66+10.00

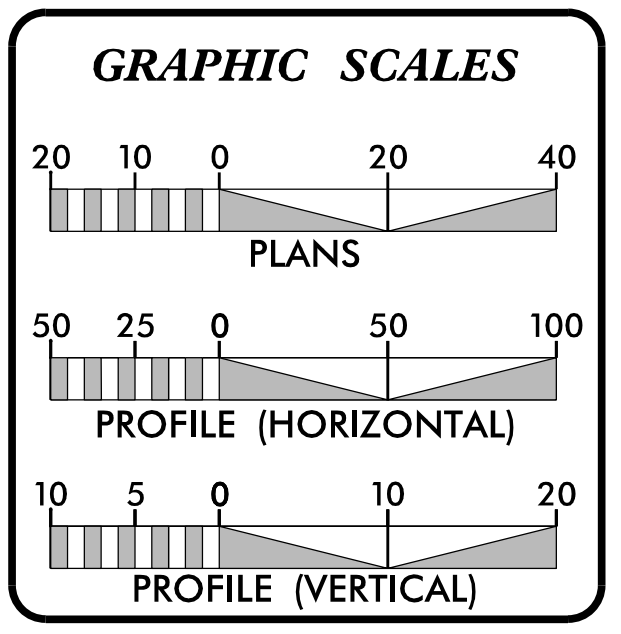
CONTRACT: U-3308

CONTRACT: U-3308



THIS PROJECT IS WITHIN THE CITY LIMITS OF DURHAM.

CLEARING SHALL BE PERFORMED ON THIS PROJECT TO THE LIMITS
ESTABLISHED BY METHOD III



SHEET NO.	DESCRIPTION
UO-01	TITLE SHEET
UO-02	GENERAL NOTES
UO-03	CONVENTIONAL PLAN SHEET SYMBOLS
UO-04 THRU UO-024	UTILITIES BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT	
(A)	DUKE ENERGY - POWER (DISTRIBUTION)
(B)	DUKE ENERGY - POWER (TRANSMISSION)
(C)	TIME WARNER CABLE - (CABLE TV)
(D)	FRONTIER COMMUNICATIONS - (COMMUNICATIONS)
(E)	PIEDMONT NATURAL GAS - (NATURAL GAS)

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

1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Steve McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Michael Bright UTILITIES PROJECT DESIGNER

9:51:24 AM U:\3308_rdy_sh_ub0.dgn U-3308_rdy_sh_ub0.dgn Division: P007 Utility Services Emp Joshua Barbour

Note: Not to Scale

*S.U.E. = *Subsurface Utility Engineering*

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Property Corner	-----
Property Monument	□ ECM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB
Proposed Wetland Boundary	----- WLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ☠

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▽

RAILROADS:

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

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	○
Proposed Right of Way Line with Concrete or Granite RW Marker	○
Proposed Control of Access Line with Concrete CA Marker	○
Existing Control of Access	○
Proposed Control of Access	○
Existing Easement Line	----- E
Proposed Temporary Construction Easement	----- E
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Aerial Utility Easement	----- AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	○ CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	XXXX
VEGETATION:	
Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

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

UTILITIES:

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

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

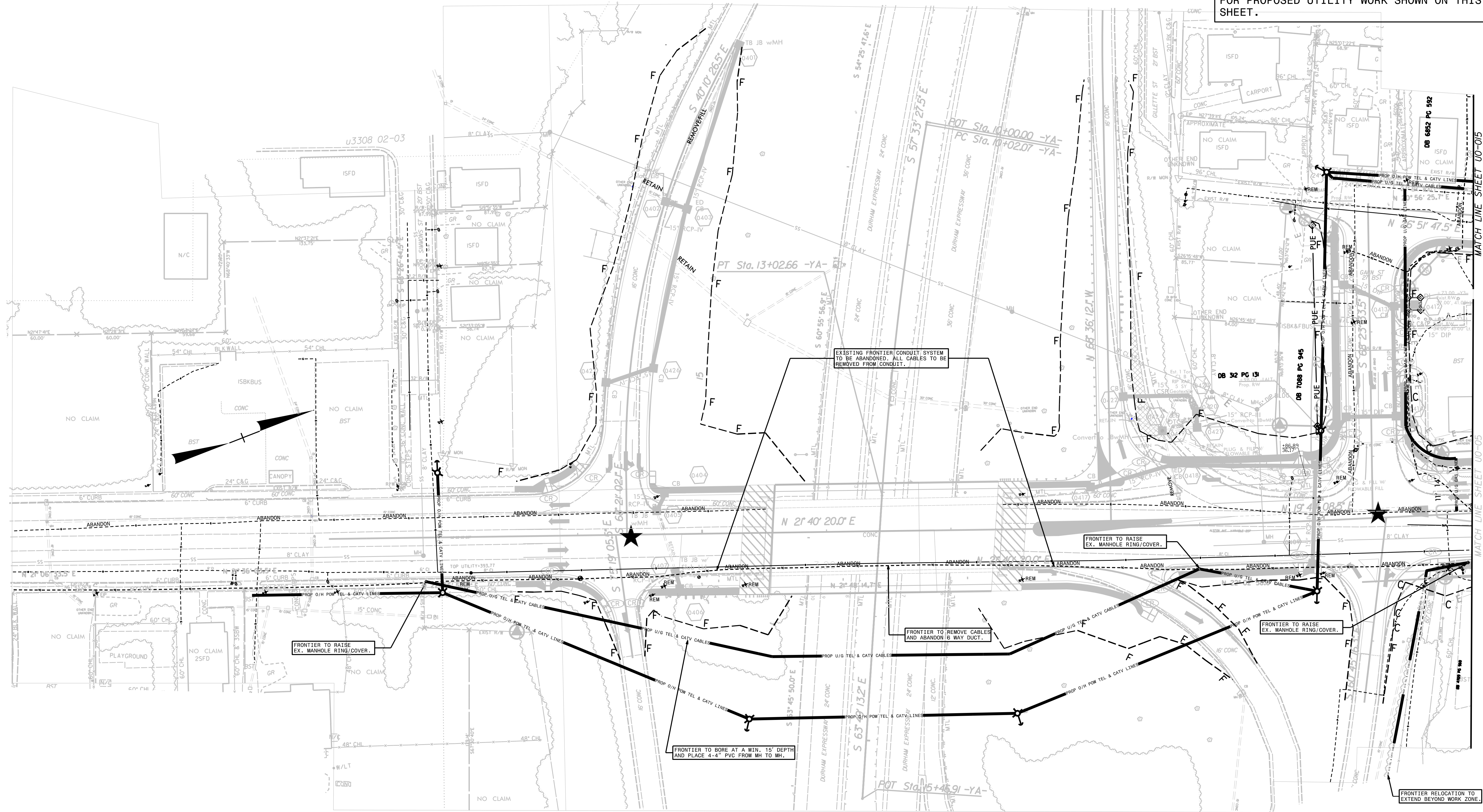
MISCELLANEOUS:

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

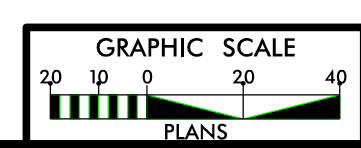
UTILITY BY OTHERS

NOTE:
 ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

REVISIONS
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ALL UTILITY COMPANIES WILL CLEAR THEIR CONFLICTS BY THE DATE OF AVAILABILITY.



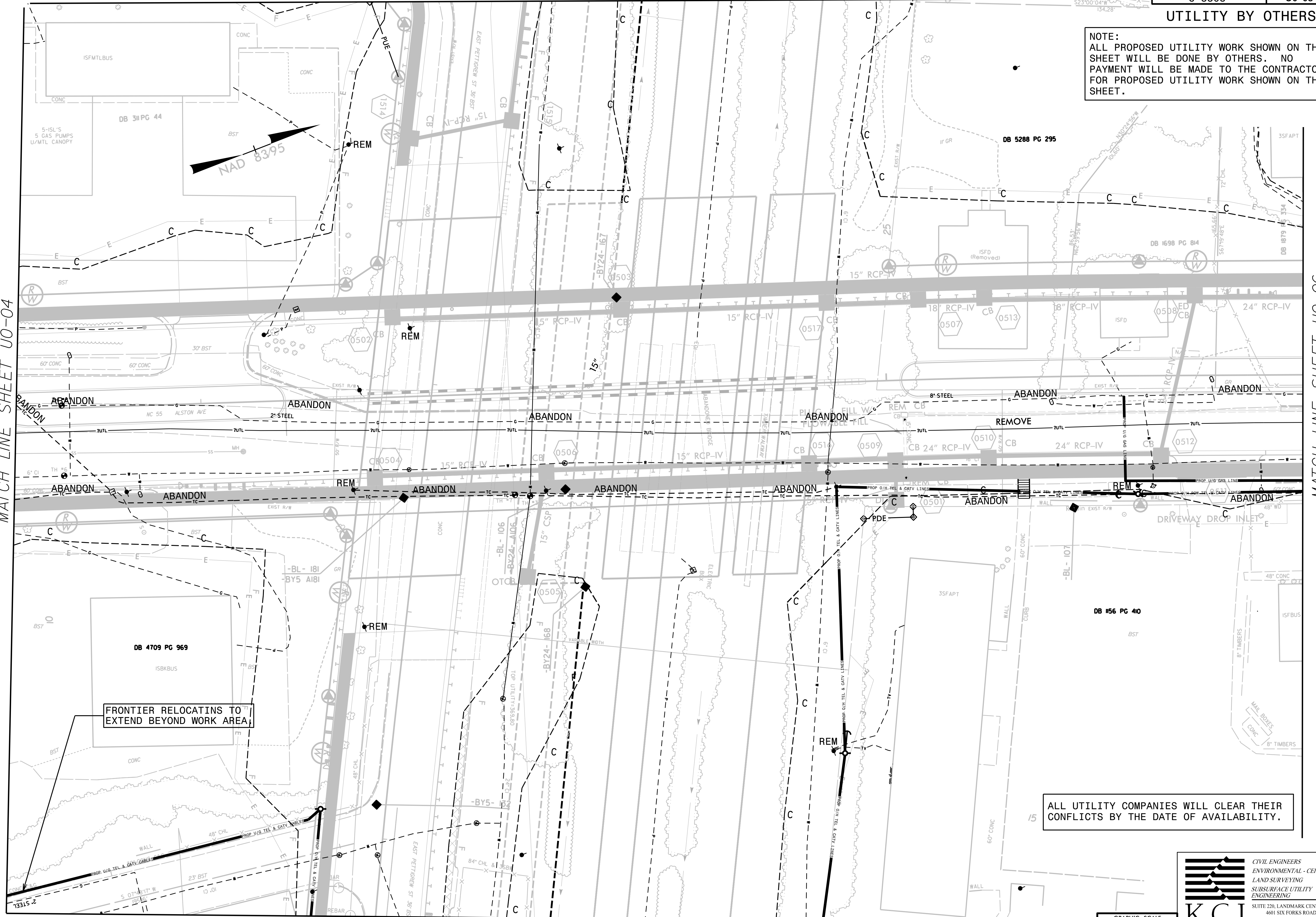

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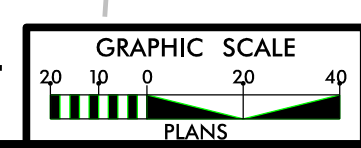
MATCH LINE SHEET U0-04

MATCH LINE SHEET U0-06



FRONTIER RELOCATES TO
 EXTEND BEYOND WORK AREA

ALL UTILITY COMPANIES WILL CLEAR THEIR
 CONFLICTS BY THE DATE OF AVAILABILITY.



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10:24:32 AM
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 8/17/99

UTILITY BY OTHERS

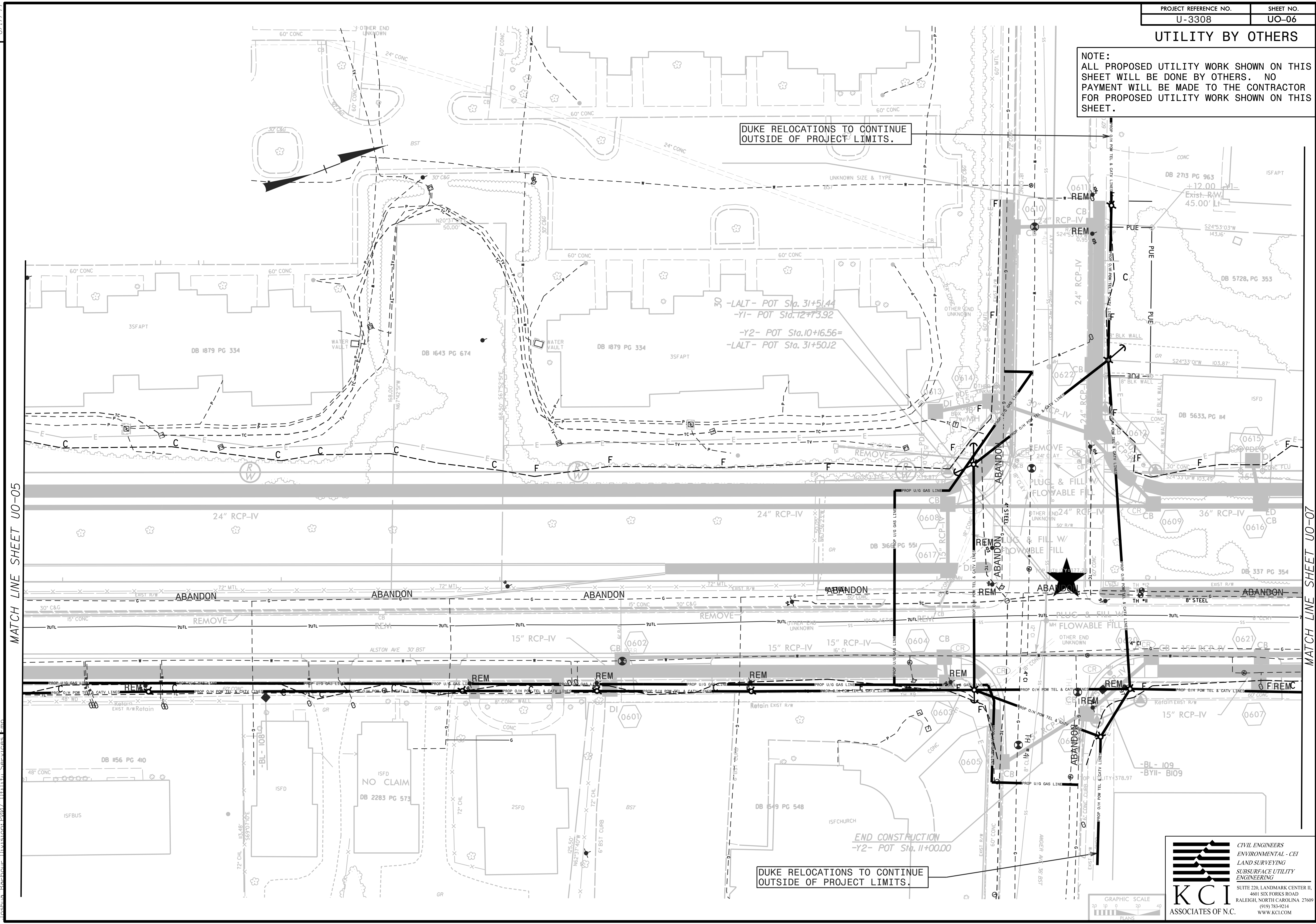
NOTE:
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DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

-LALT- POT Sta. 31+51.44
-Y1- POT Sta. 12+73.92
-Y2- POT Sta. 10+16.56
-LALT- POT Sta. 31+50.12

DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

END CONSTRUCTION
-Y2- POT Sta. 11+00.00



MATCH LINE SHEET UO-05

MATCH LINE SHEET UO-07

7:57:08 AM 1/3/2016 13:308 ut_r.dwg U006 psh.dgn
Toshiba Building Division 2007 11/11/11 Services

GRAPHIC SCALE
20 10 0 10 20 40
PLANS

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UTILITY BY OTHERS

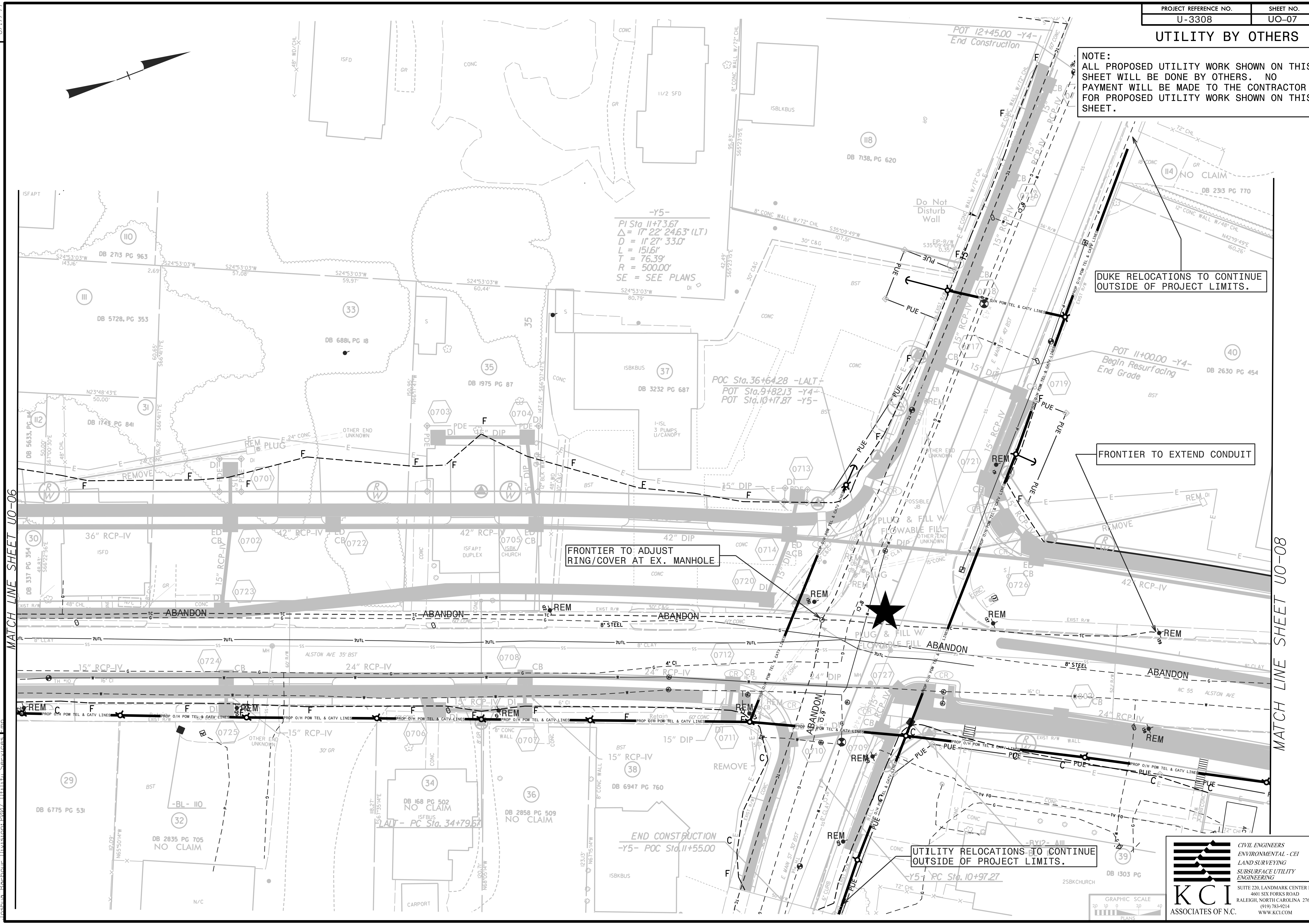
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DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

FRONTIER TO EXTEND CONDUIT

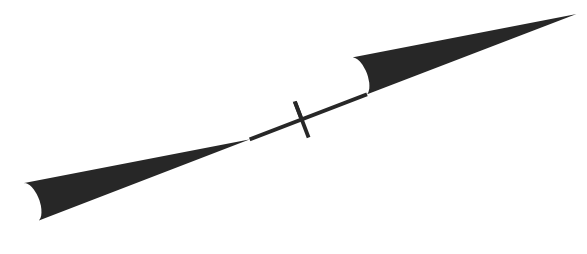
FRONTIER TO ADJUST RING/COVER AT EX. MANHOLE

UTILITY RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.



MATCH LINE SHEET UO-06

MATCH LINE SHEET UO-08



-Y5-
PI Sta. 11+73.67
 $\Delta = 17' 22'' 24.63'' (LT)$
 $D = 11' 27'' 33.0''$
 $L = 151.6'$
 $T = 76.39'$
 $R = 500.00'$
SE = SEE PLANS

POC Sta. 36+64.28 -LALT-
POT Sta. 9+82.13 -Y4-
POT Sta. 10+17.87 -Y5-

POT 12+45.00 -Y4-
End Construction

POT 11+00.00 -Y4-
Begin Resurfacing
End Grade

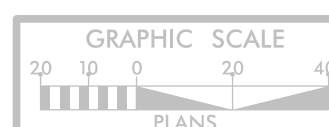
END CONSTRUCTION
-Y5- POC Sta. 11+55.00

UTILITY RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

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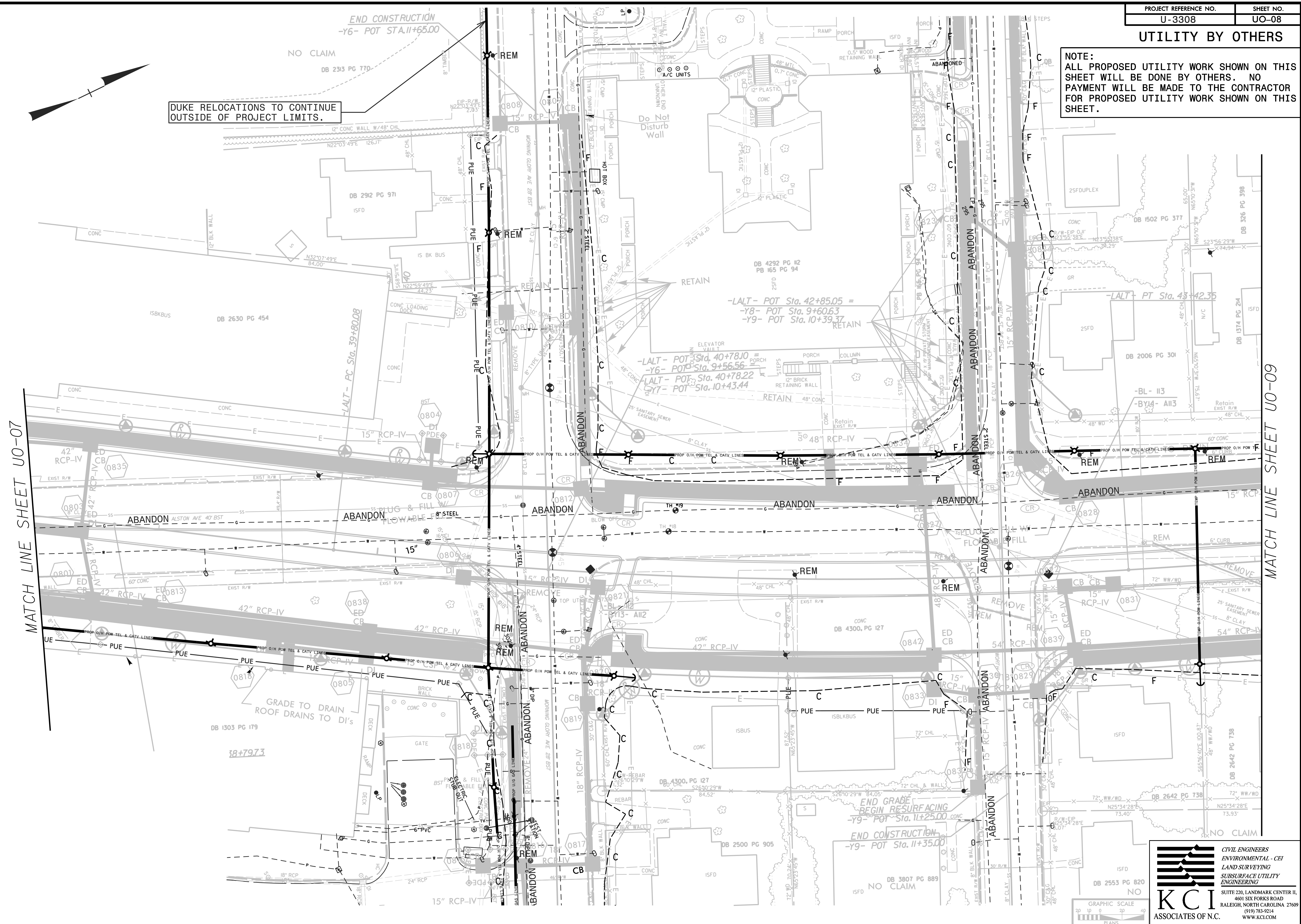
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12:41:24 PM 1/13/2008 ut_rdy7_lj007_esh-dgn
Tosha Barber, Division 2007, H&H, Inc.

UTILITY BY OTHERS

NOTE:
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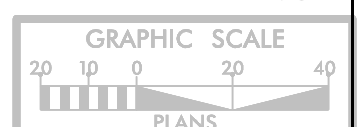
DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

MATCH LINE SHEET UO-07

MATCH LINE SHEET UO-09

END GRADE
BEGIN RESURFACING
-Y9- POT Sta. 11+25.00

END CONSTRUCTION
-Y9- POT Sta. 11+35.00



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7/27/06 AY 13308 ut.r.d.8.UO08.psh.dgn
Tosha Barber, Division 2007, Hittite Services, Inc.

UTILITY BY OTHERS

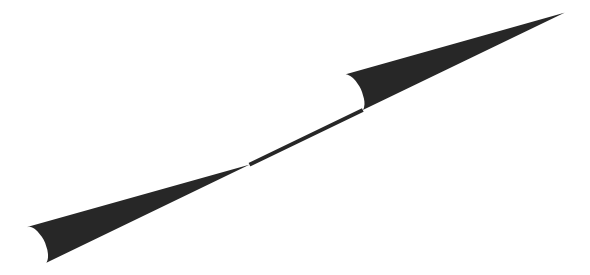
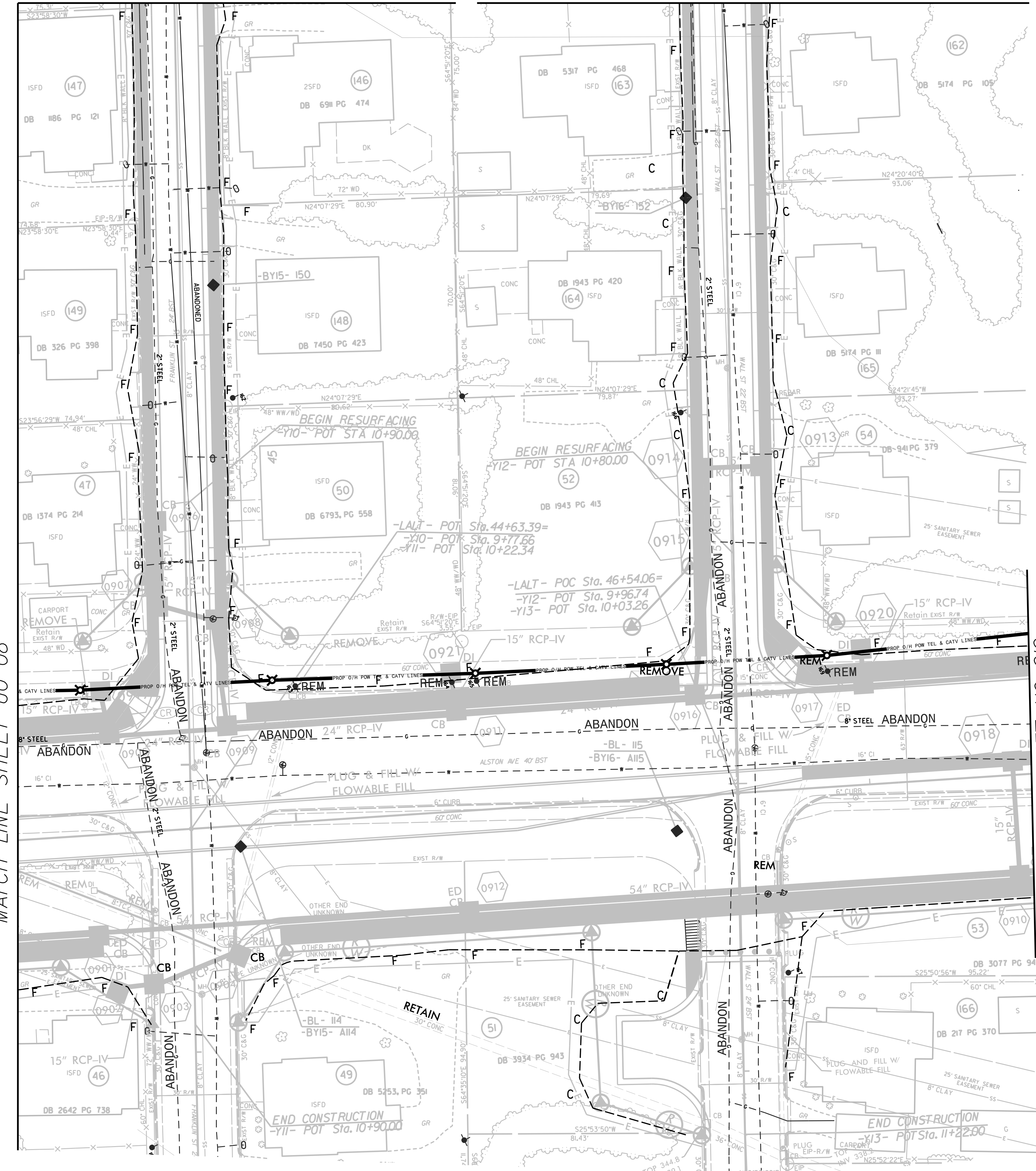
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MATCH LINE SHEET UO-020

MATCH LINE SHEET UO-022

MATCH LINE SHEET UO-08

MATCH LINE SHEET UO-010

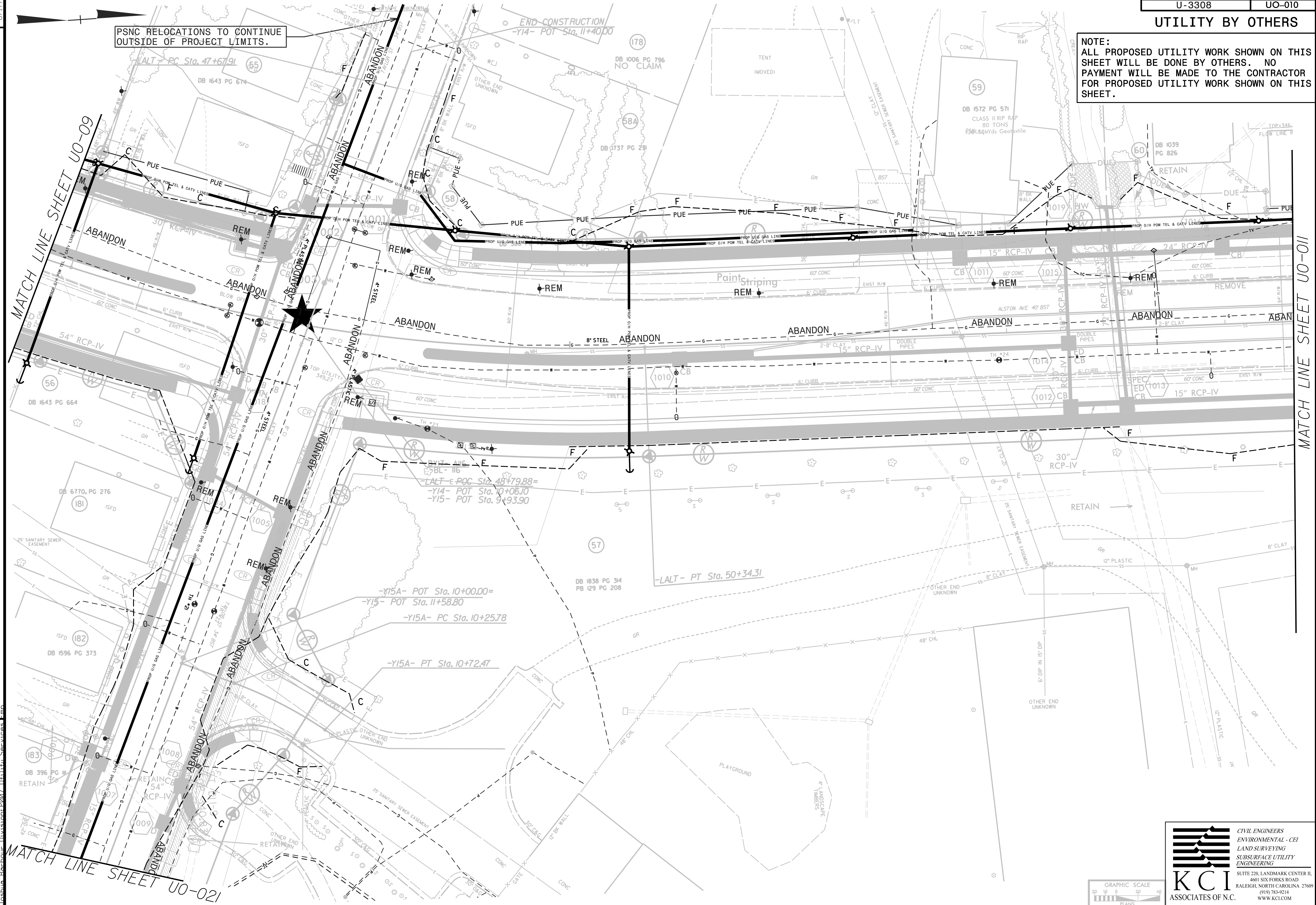


8/17/99
 8/20/08 AV 13308 ut_r.dwg U009 psh.dgn
 Joshua Barber, Division Chief, Utility Services Dept.

UTILITY BY OTHERS

NOTE:
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PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

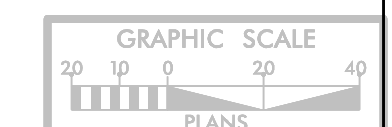


MATCH LINE SHEET UO-09

MATCH LINE SHEET UO-011

MATCH LINE SHEET UO-021

8/17/99
9/23/00
11/3/08 ut_rdu10_U0010_rsh-dgn
Tosha Borbour, Division Engineer



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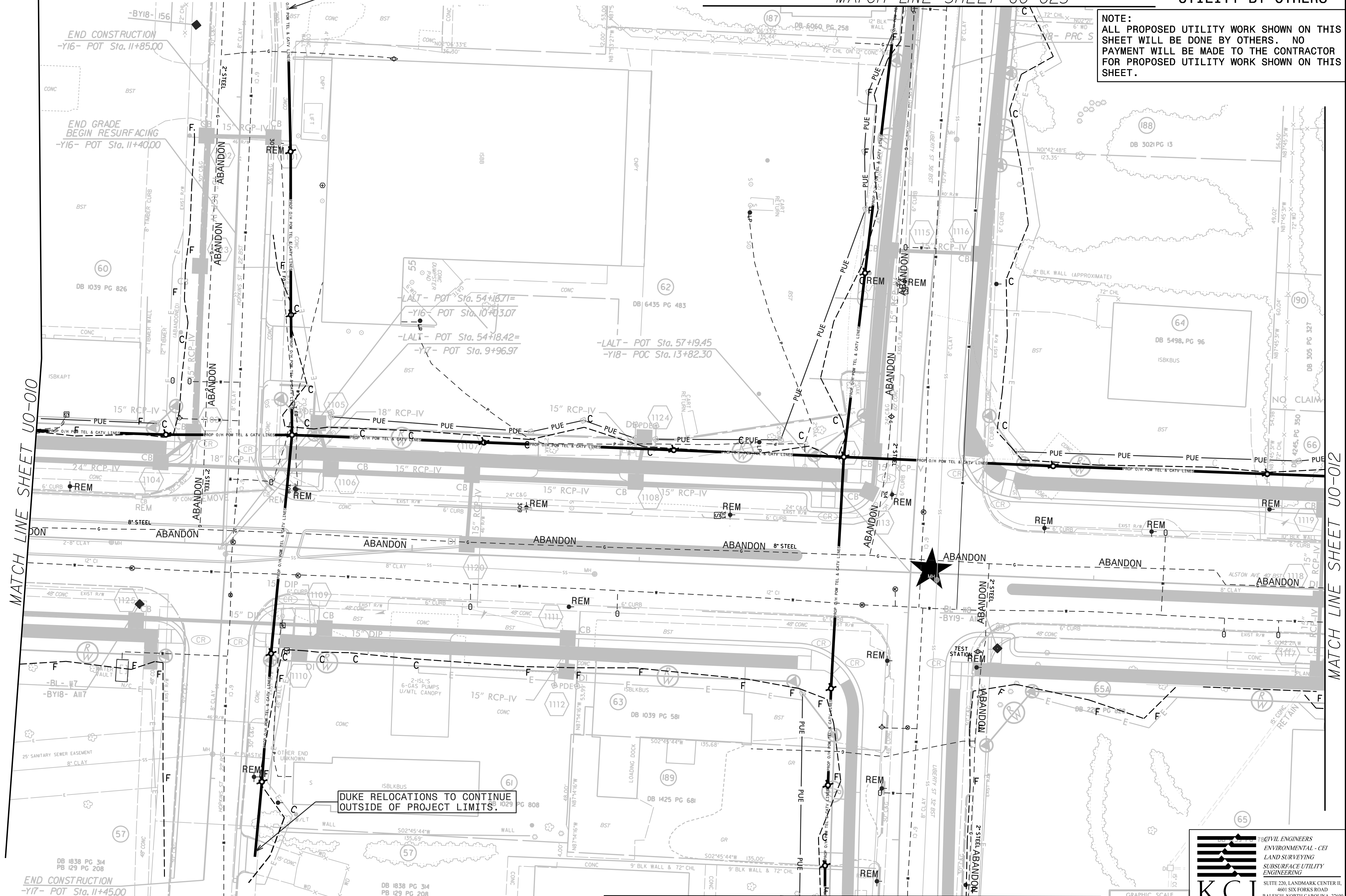
MATCH LINE SHEET UO-023

DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

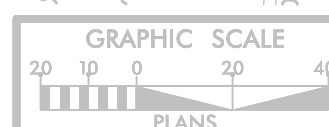
MATCH LINE SHEET UO-010

MATCH LINE SHEET UO-012



END CONSTRUCTION
-Y17- POT Sta. 11+45.00

MATCH LINE SHEET UO-024



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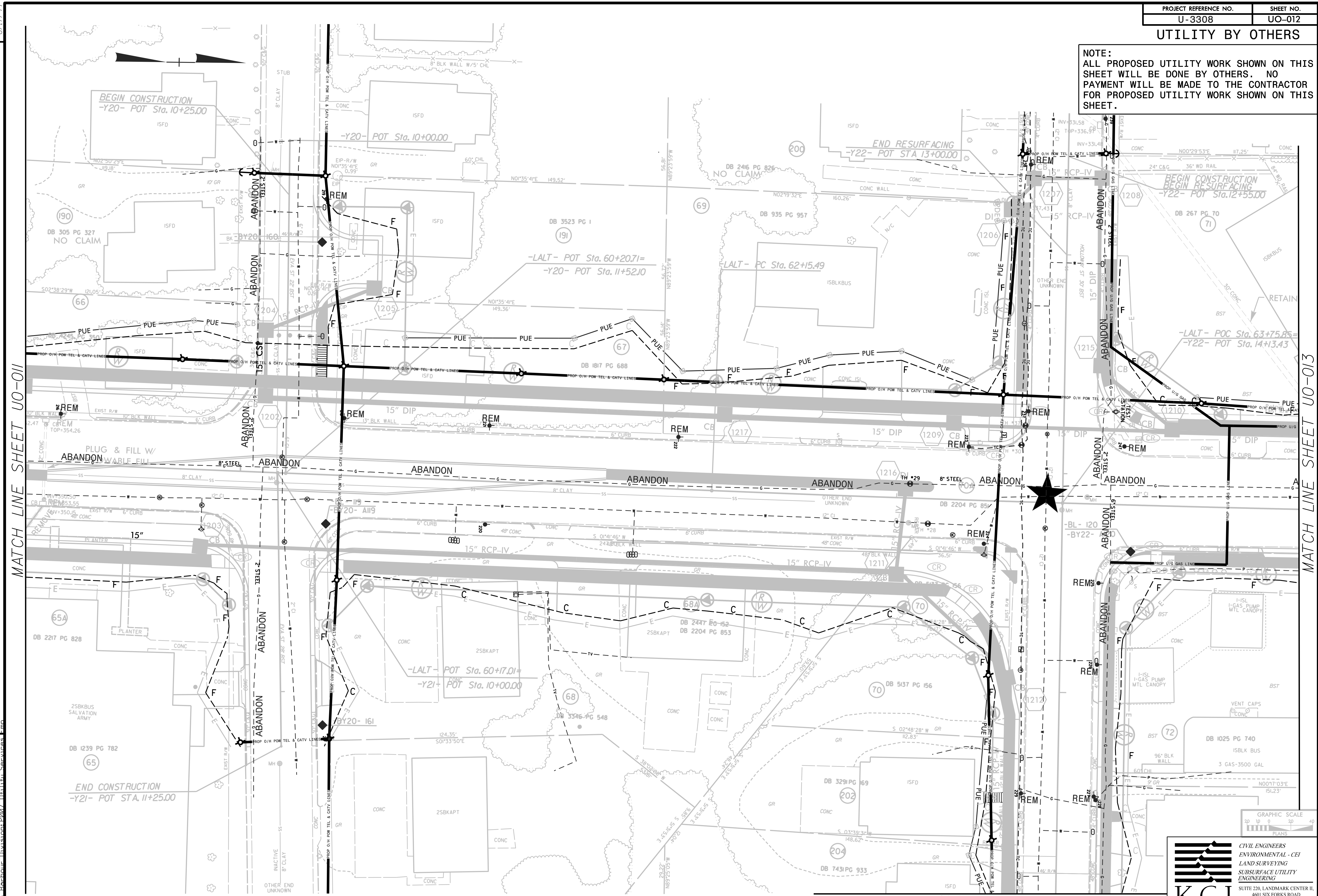
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9:50 AM
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Tosha Barber, Division 2007, Utility Services, Epp

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MATCH LINE SHEET UO-011

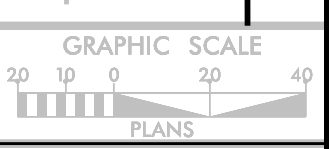
MATCH LINE SHEET UO-013

BEGIN CONSTRUCTION
-Y20- POT Sta. 10+25.00

END RESURFACING
-Y22- POT STA 13+00.00

BEGIN CONSTRUCTION
BEGIN RESURFACING
-Y22- POT Sta. 12+55.00

END CONSTRUCTION
-Y21- POT STA. 11+25.00



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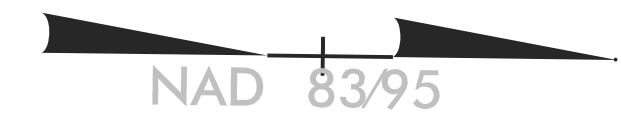
MATCH LINE SHEET UO-024

8/17/99
955-18 AM U-3308 ut_rdu12_U0012_rsh-dgn
Tosha Barber, Division 2007, Utilities Services, Fmp

UTILITY BY OTHERS

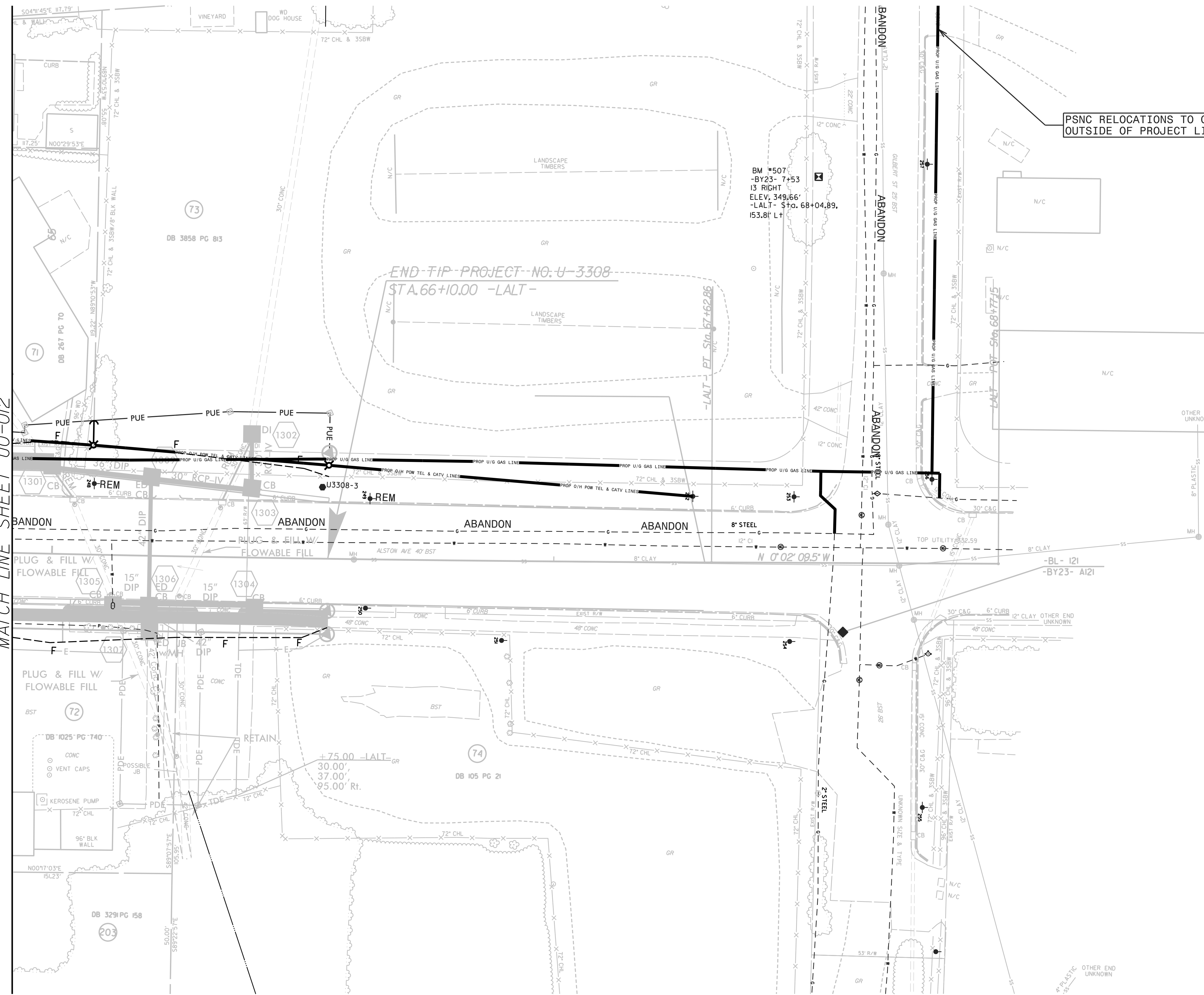
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PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.



MATCH LINE SHEET UO-012

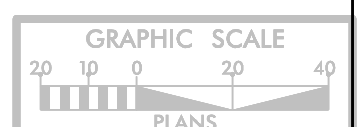
8/17/99
9:07 AM U3308 ut_rdu13_10013_psh.dgn
250 103 103 U3308 ut_rdu13_10013_psh.dgn
Tosha Bohar, Division 2007, Title 13, Services Emp



END-TIP-PROJECT-NO. U-3308
STA. 66+10.00 -LALT-

BM #507
-BY23- 7+53
13 RIGHT
ELEV. 349.66'
-LALT- Sta. 68+04.89,
153.8' Lt

-BL- 121
-BY23- A121



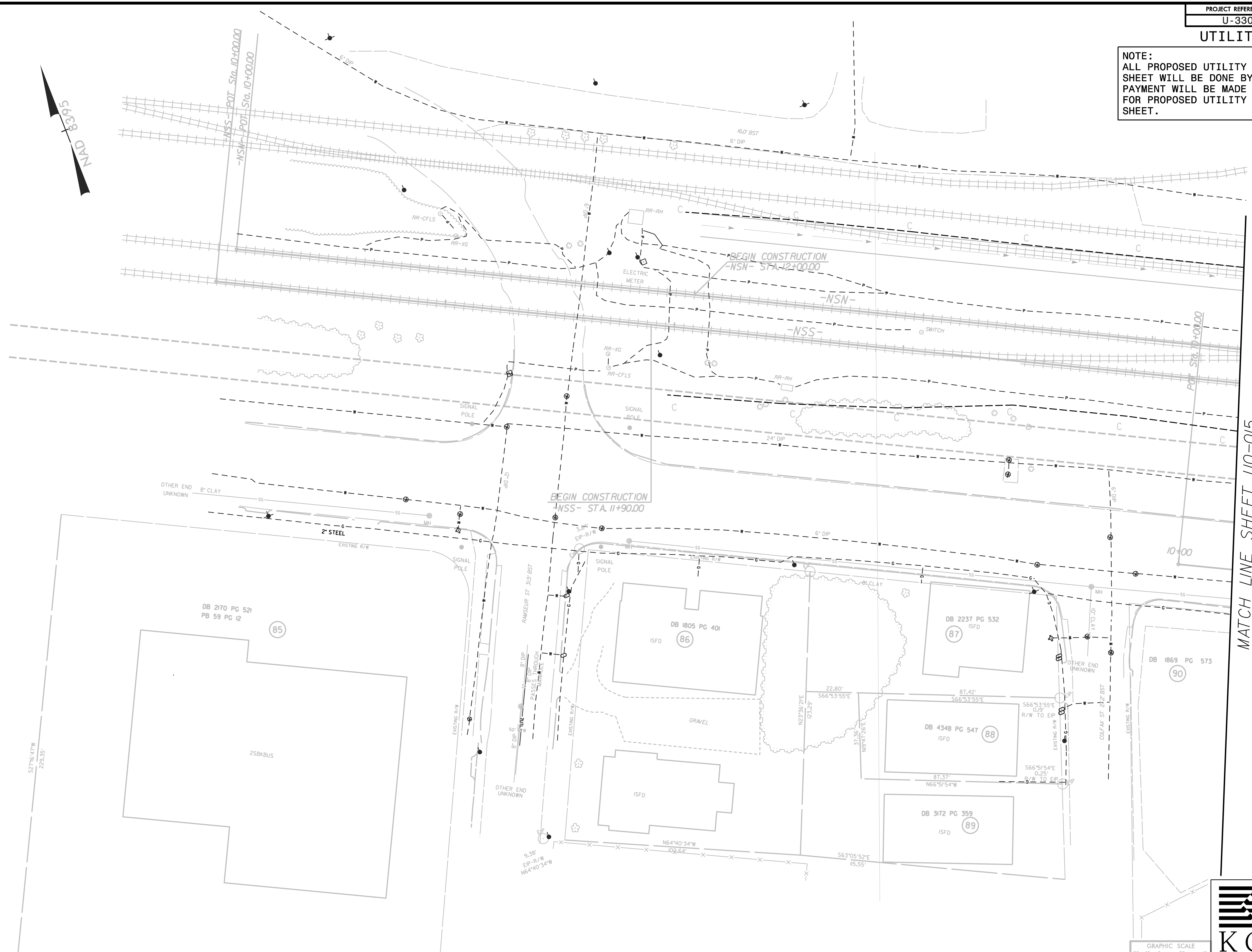
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MATCH LINE SHEET UO-015

8/17/99
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 2006/01/14 U3308_ut_rdu14_U0014_psh-dgn
 Tashae Bohour, Division 2007, Utility Services Emp

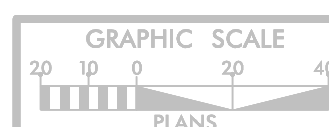
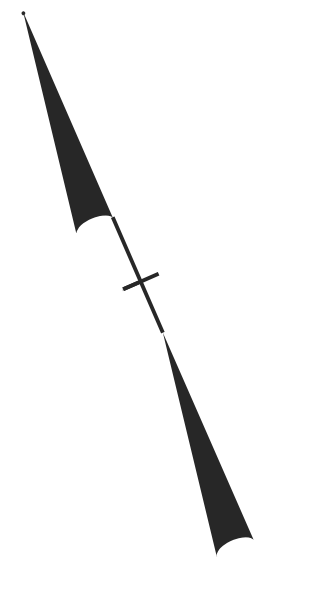
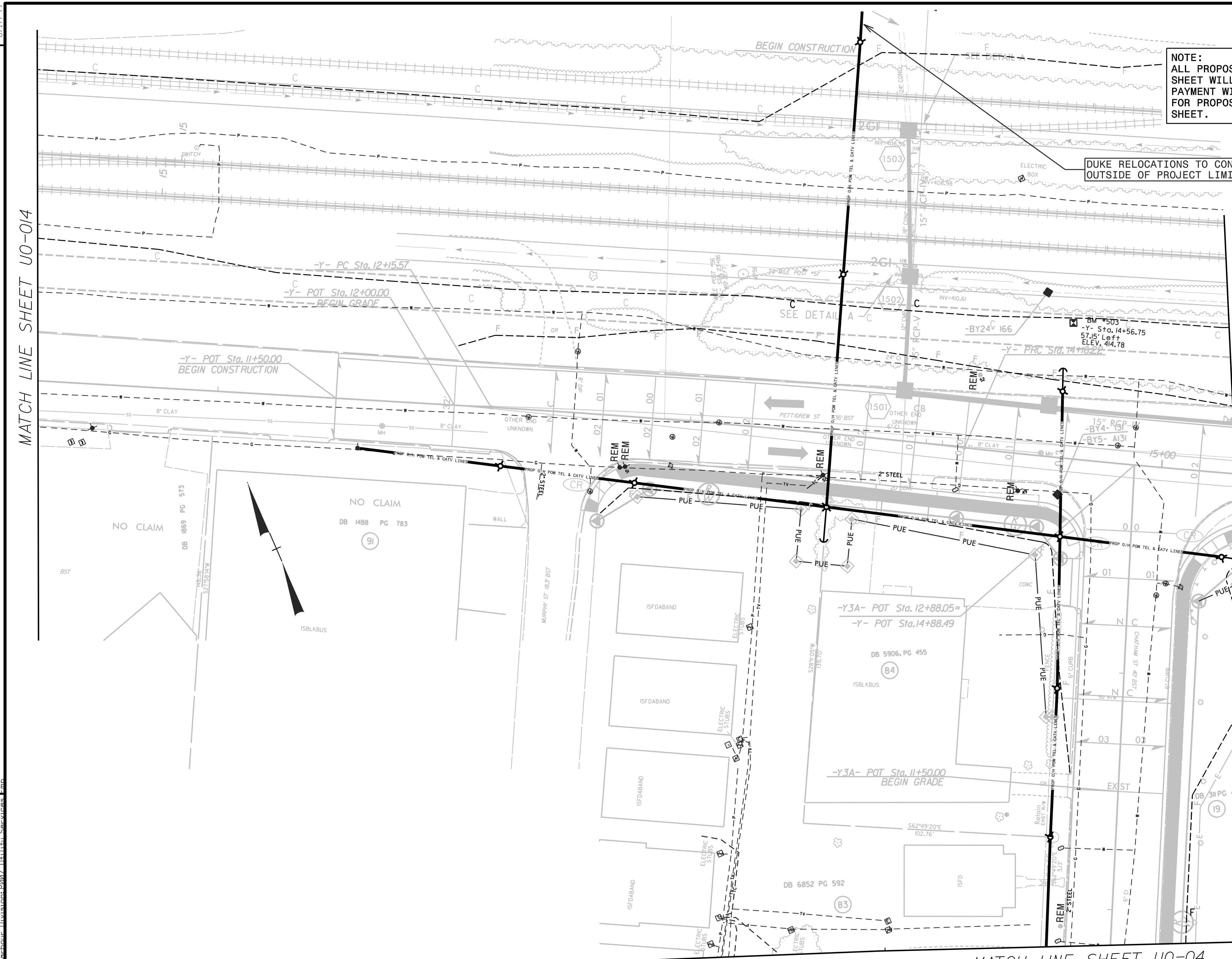
UTILITY BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

MATCH LINE SHEET UO-014

MATCH LINE SHEET UO-05



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8/17/99
2/4/16 AM U-3308 ut_rdu15_U0015_rsh-dgn
Tosha Bohar, Division Chief, Utility Services, E&P

UTILITY BY OTHERS

NOTE:
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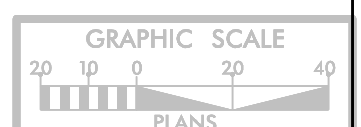
8/17/99

MATCH LINE SHEET UO-05

MATCH LINE SHEET UO-07



9/24/99 AM 11:33:08 ut_rdu16_U0016_rsh-dgn
9/30/99 10:16:06 U-3308-Utility-Plan-0016.dwg
Joshua Bohannon, Division Chief, Utilities Services Dept.



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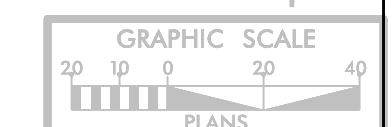
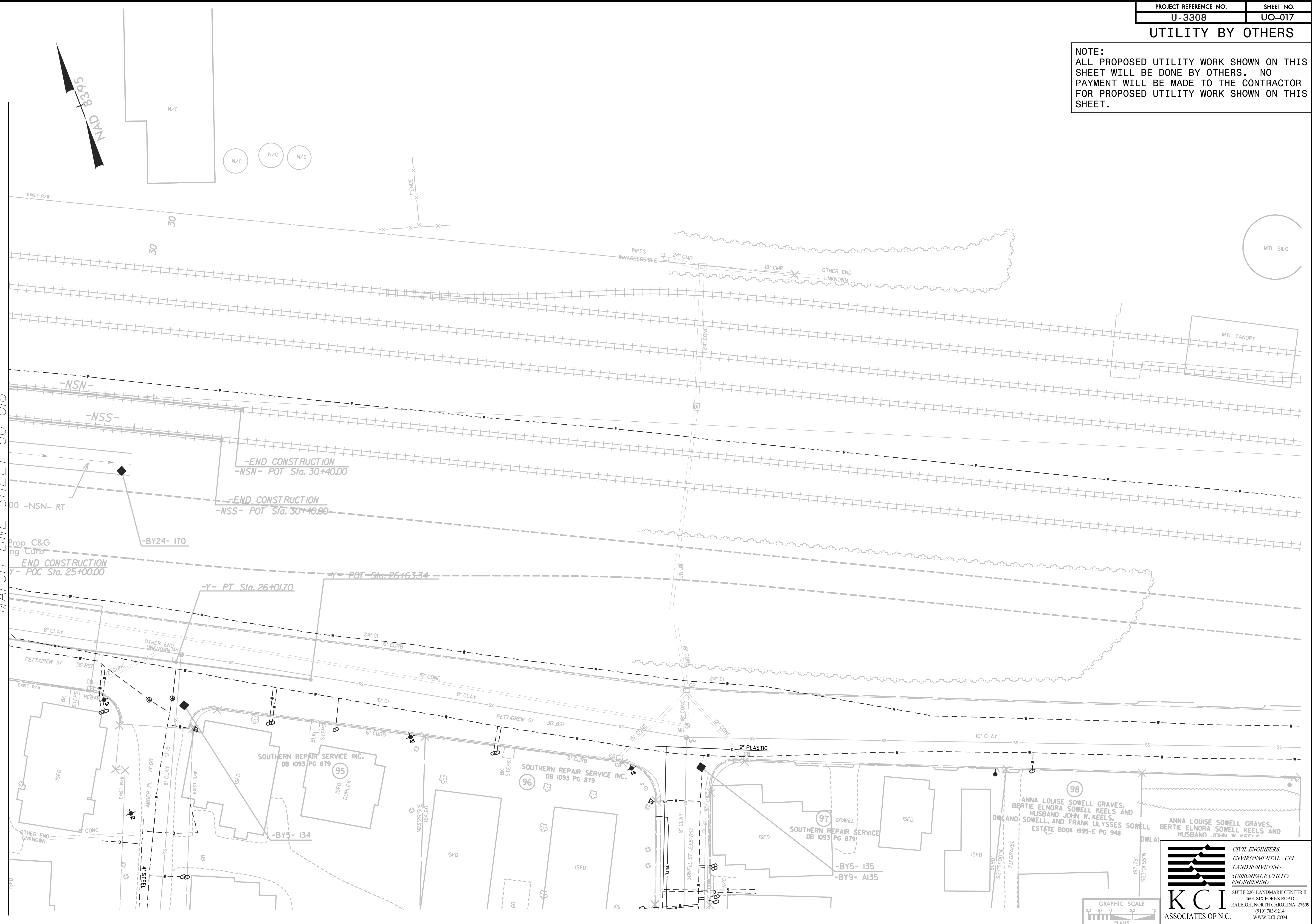
UTILITY BY OTHERS

NOTE:
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8/17/99

MATCH LINE SHEET UO-016

956 32 AM 11:3308 ut_rdu17_U0017_rsh-dgn
 Joshua Barber, Division Chief, Utility Services Dept



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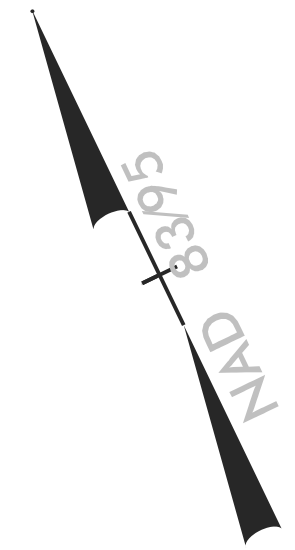
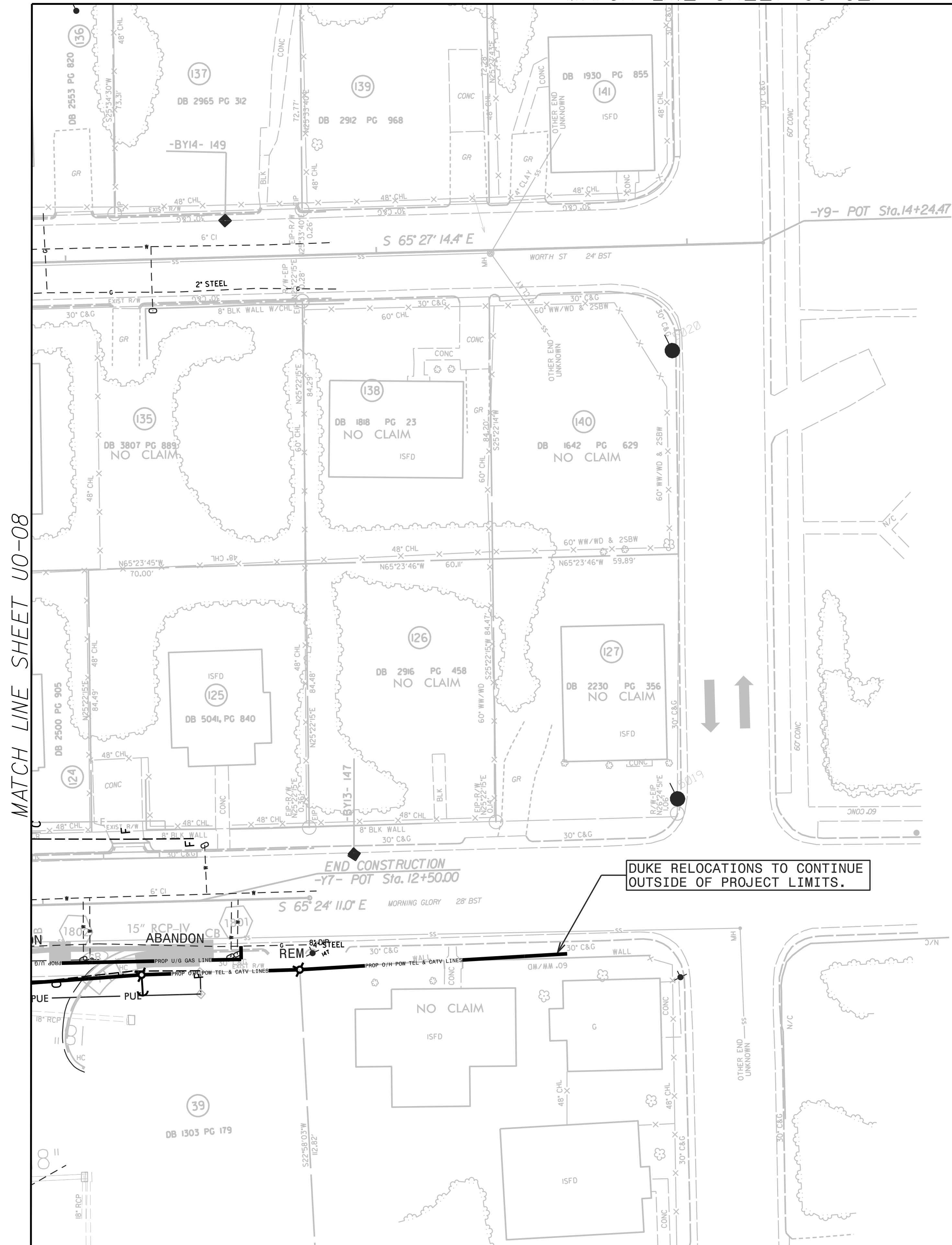
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UTILITY BY OTHERS

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MATCH LINE SHEET UO-021



DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

8/17/99
 10:54:50 AM U:\3308 ut_rdu18_UO018_rsh-dgn
 9/30/08
 Joshua Bohour, Division Chief, Utility Services Emp

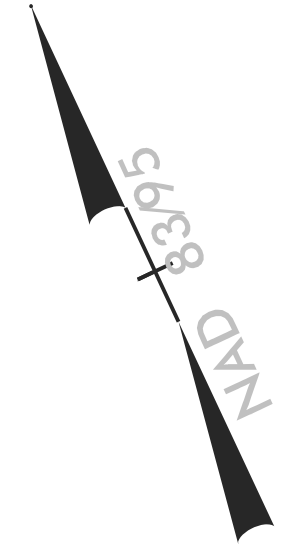
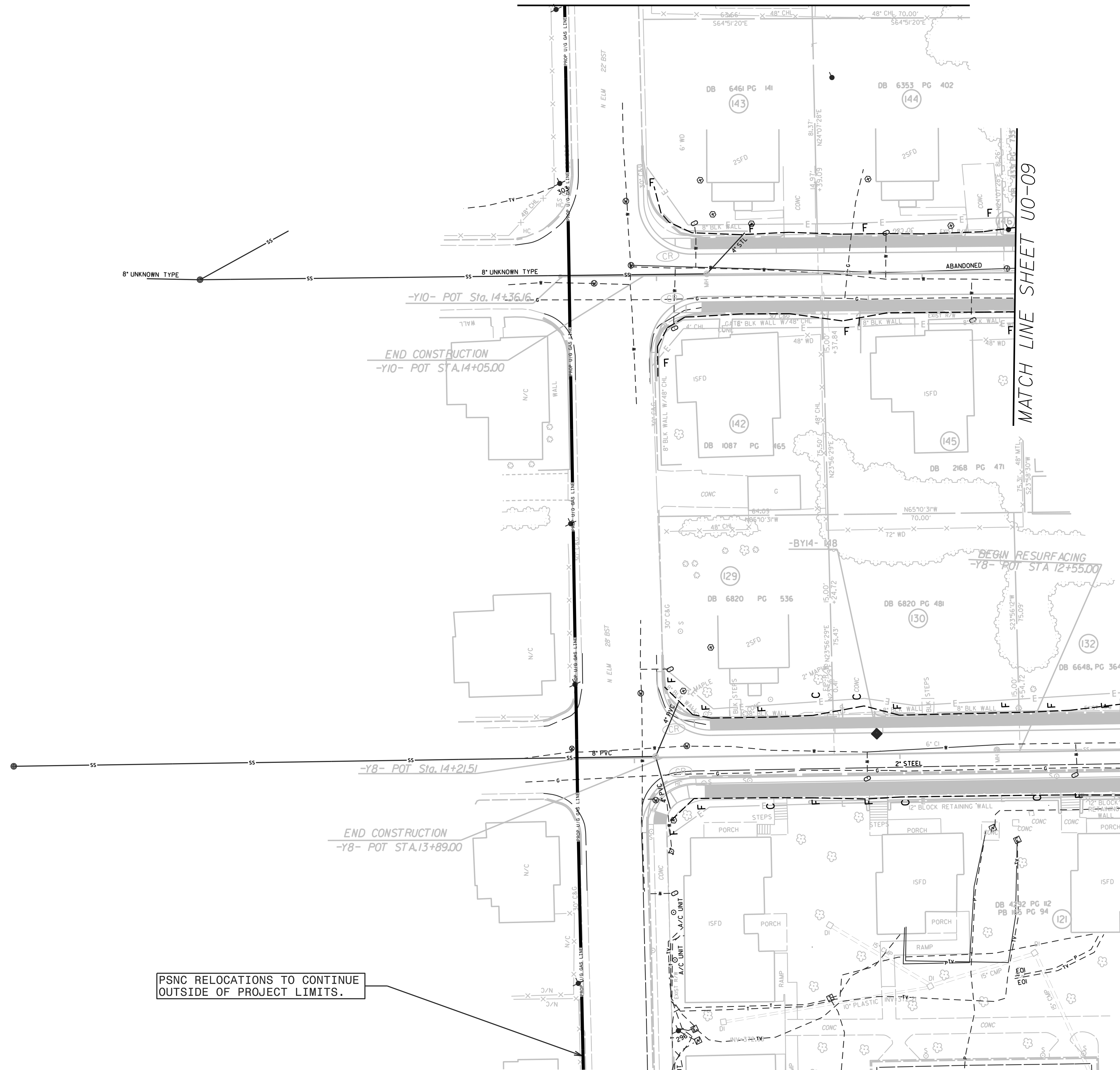
UTILITY BY OTHERS

NOTE:
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MATCH LINE SHEET U0-022

MATCH LINE SHEET U0-09

MATCH LINE SHEET U0-08



PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

END CONSTRUCTION
 -Y8- POT STA.13+89.00

-Y8- POT Sta.14+21.51

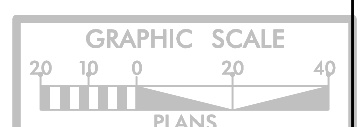
END CONSTRUCTION
 -Y10- POT STA.14+05.00

-Y10- POT Sta.14+36.16

BEGIN RESURFACING
 -Y8- POT STA 12+55.00

-BY14- 148

8/17/99
 10:53:08 AM
 9/30/09
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 Joshua_Rothman_Division\2007_Highway_Services.dwg



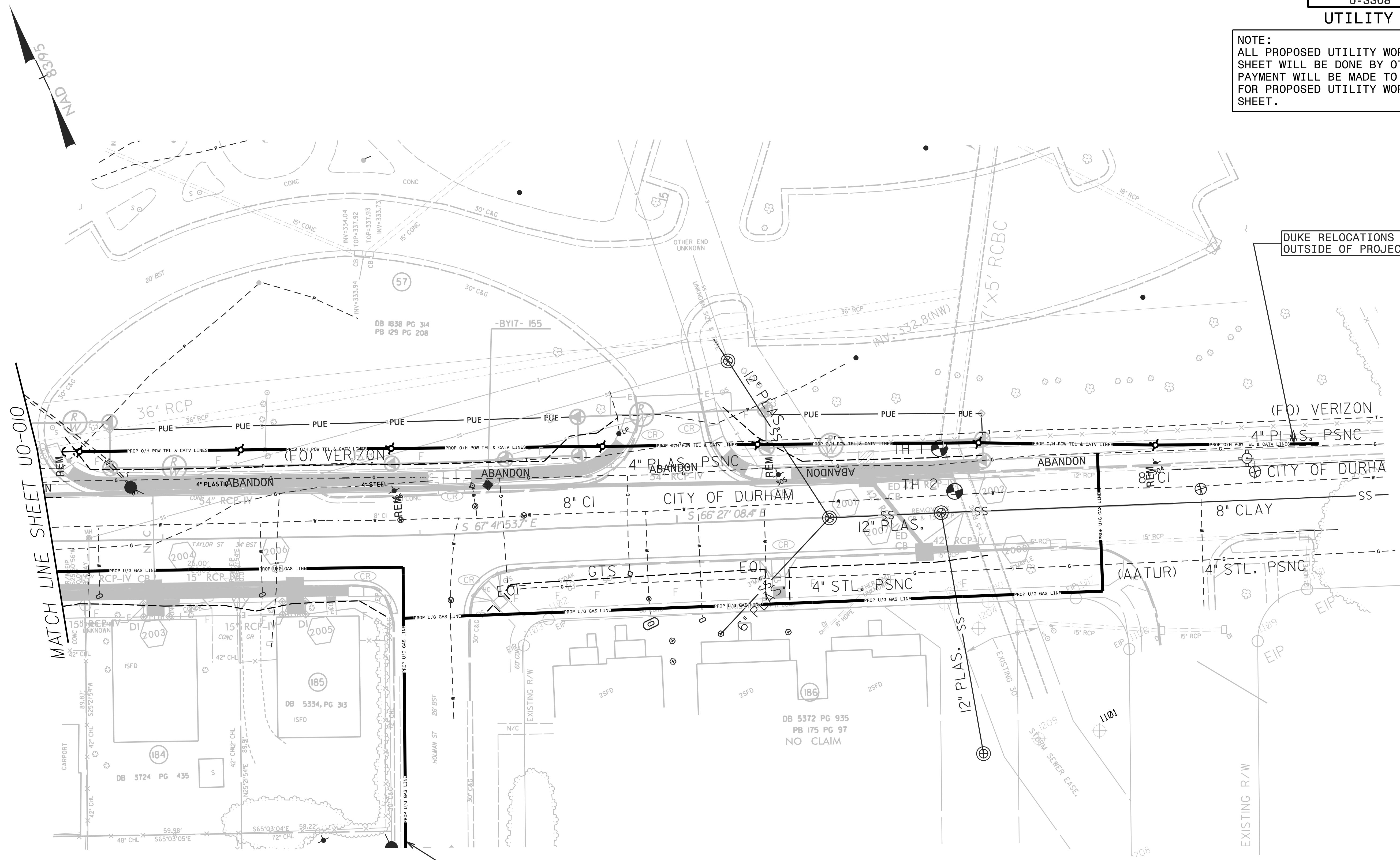
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UTILITY BY OTHERS

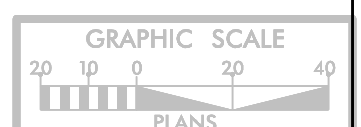
NOTE:
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DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

MATCH LINE SHEET UO-010



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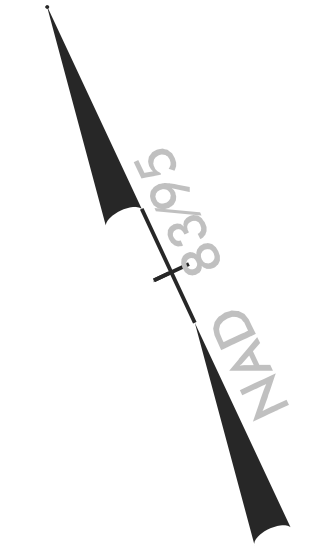
SUITE 220, LANDMARK CENTER II,
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8/17/99
 UO-020-AM
 1/3/08 ut_r.dwg
 10/20/07
 Josh Barbour, Division Chief, Planning Services Dept.

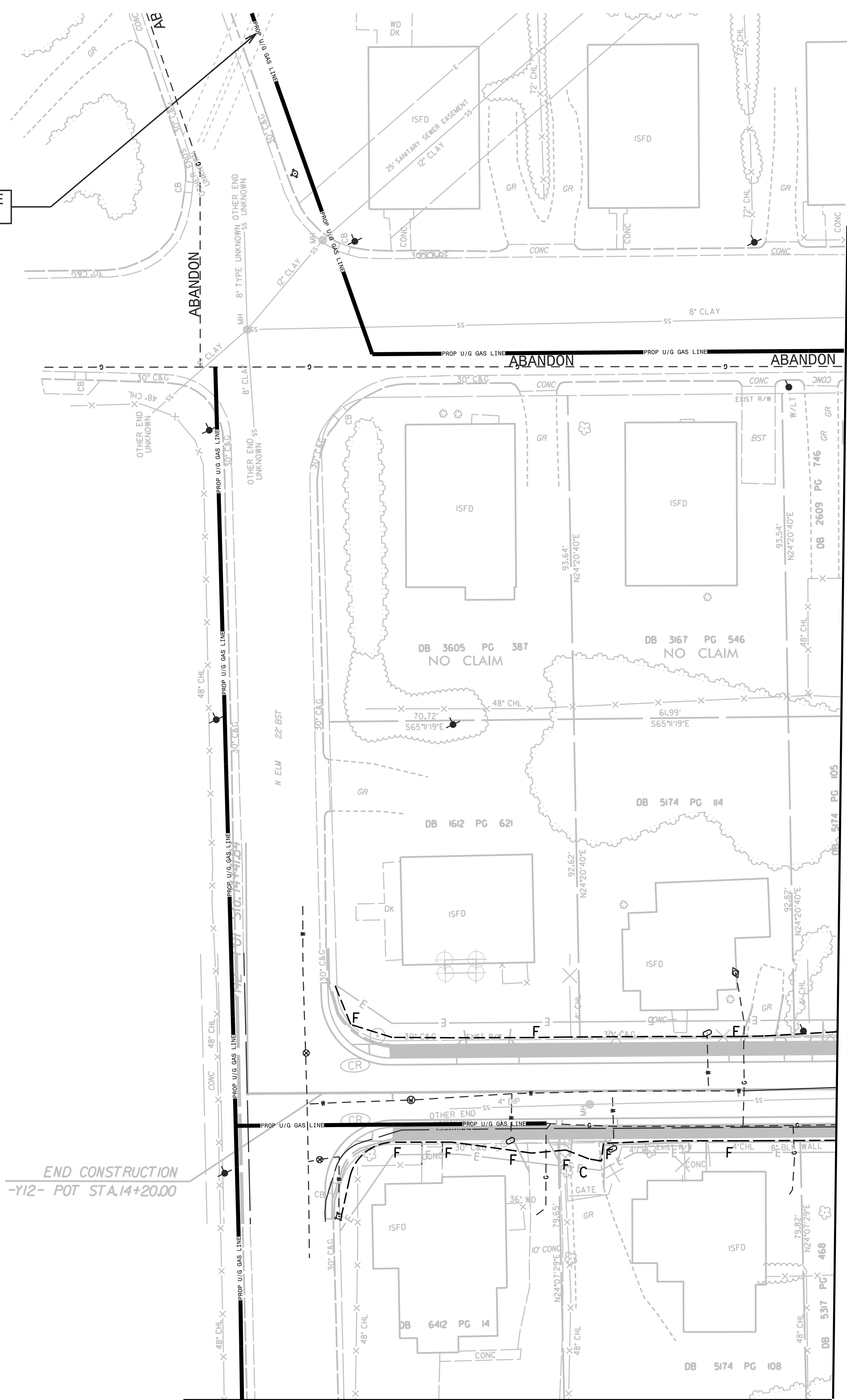
UTILITY BY OTHERS

NOTE:
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8/17/99
 8:59:08 AM
 U:\3308_ut_rdv21_UO021_rsh.dgn
 Joshua Bohar, Division 2007, Utility Services Emp



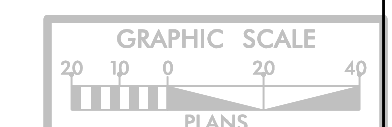
PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.



END CONSTRUCTION
 -Y12- POT STA.14+20.00

MATCH LINE SHEET UO-09

MATCH LINE SHEET UO-020



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UTILITY BY OTHERS

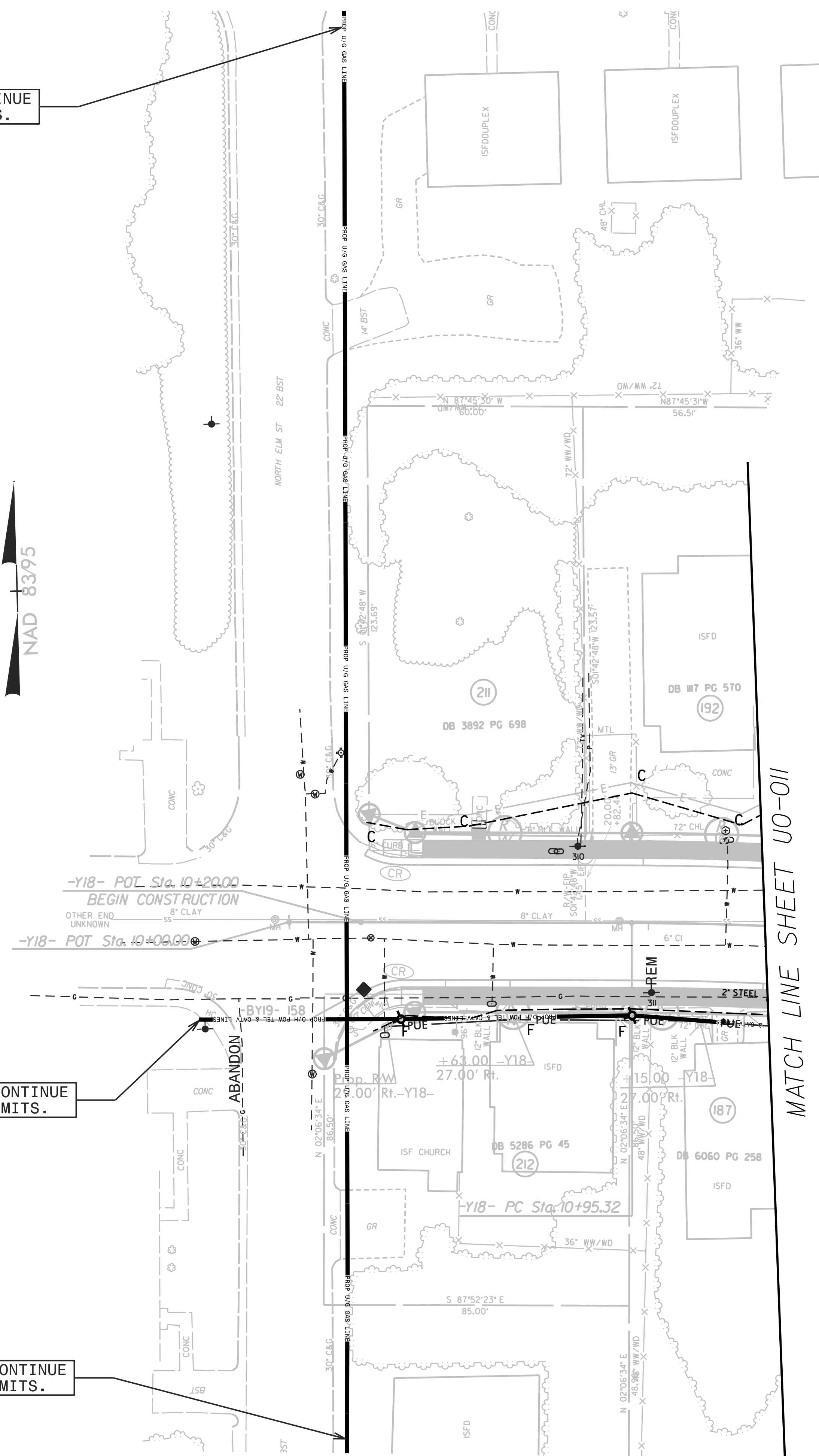
NOTE:
 ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

8/17/99
 10:35 AM 13308 ut_r.dwg 22_U0022_psh.dgn
 Joshua Barber, Division 2007, Planning Services, Inc.

PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

DUKE RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

PSNC RELOCATIONS TO CONTINUE OUTSIDE OF PROJECT LIMITS.

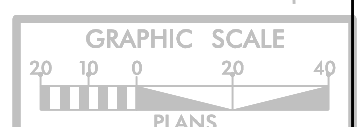
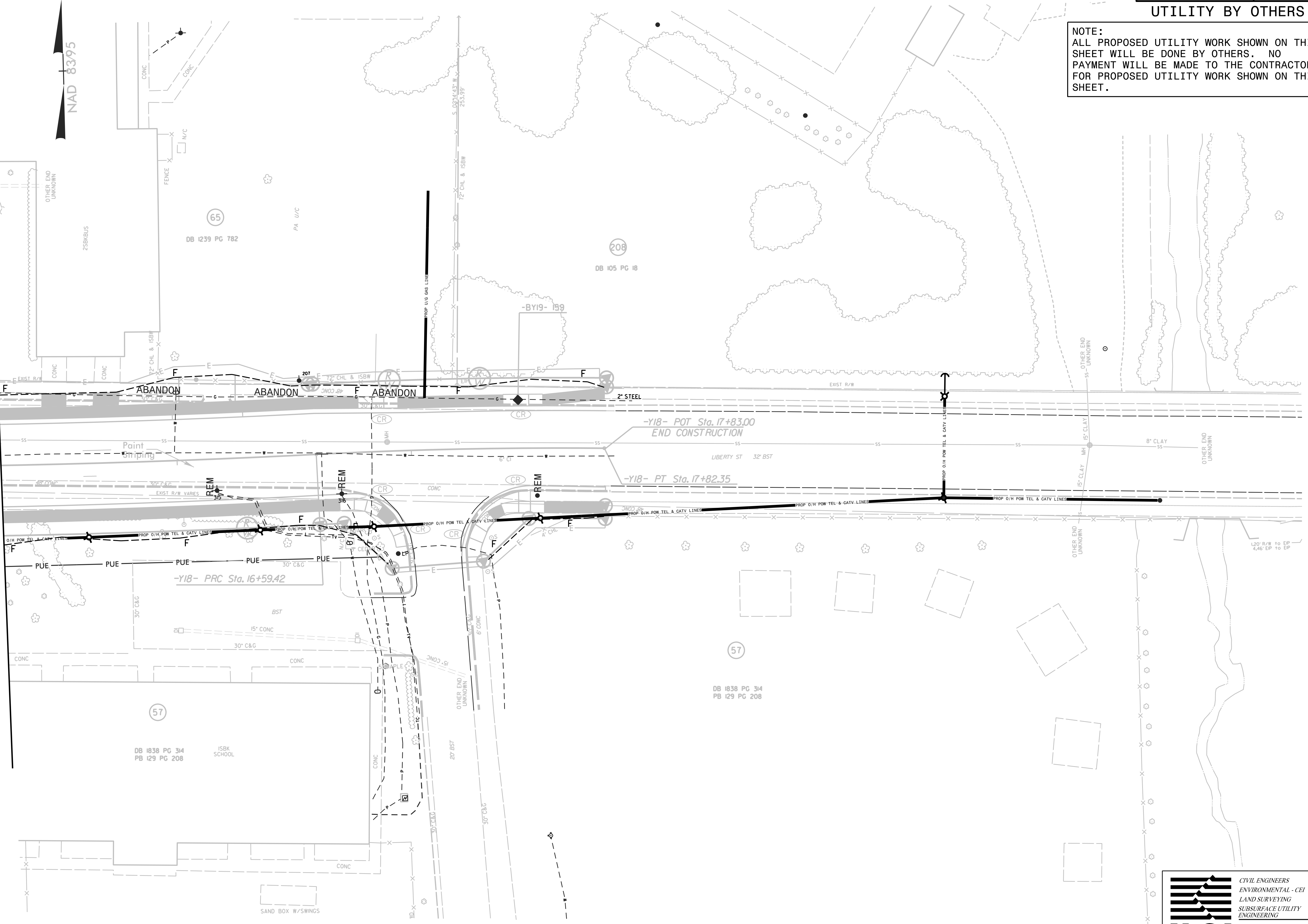
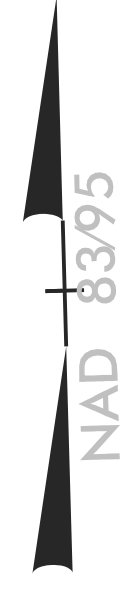


UTILITY BY OTHERS

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8/17/99

MATCH LINE SHEET UO-011



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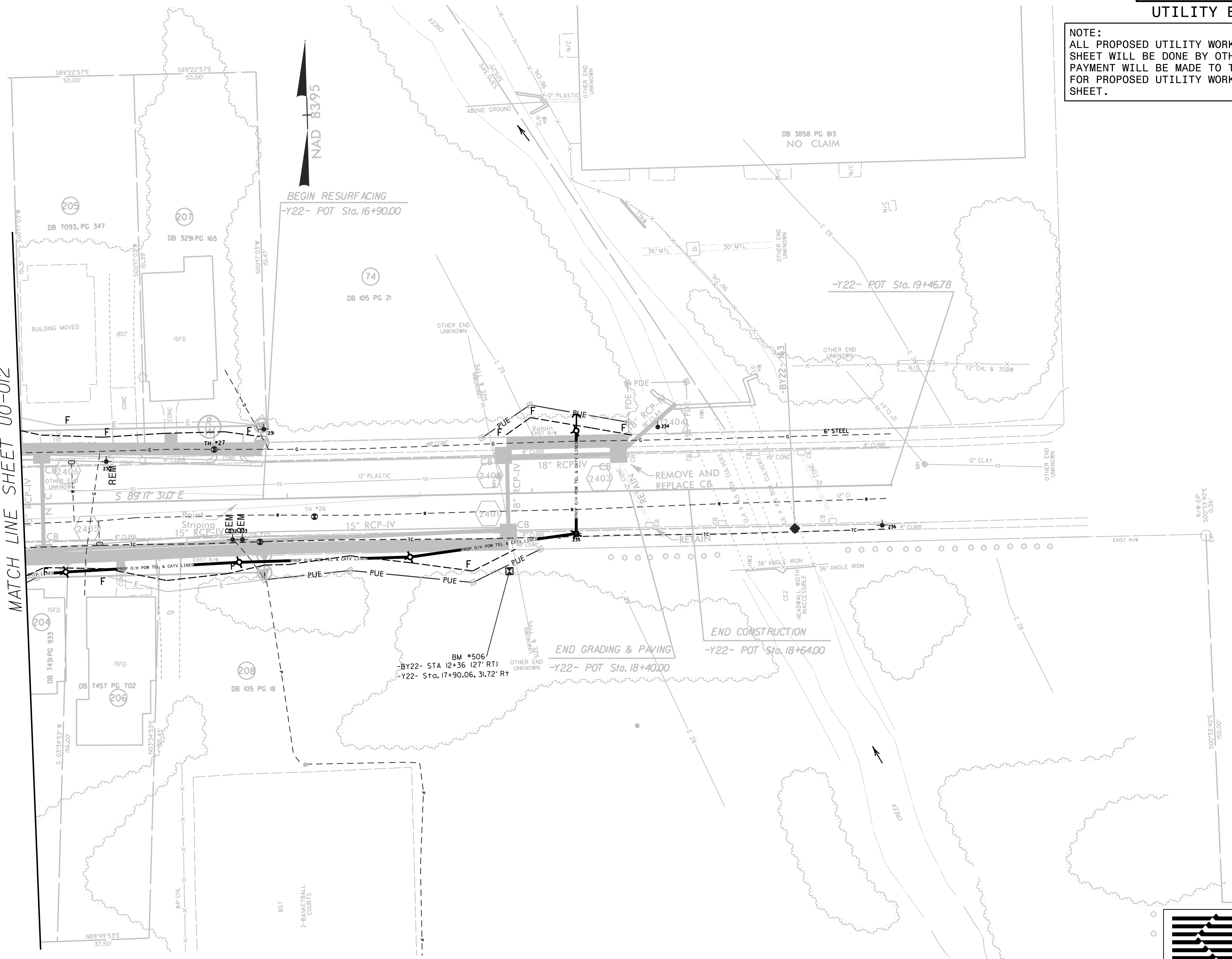
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11:38:52 AM
 11/3/08 ut_r.dwg 23_10023_psh.dgn
 Joshua Barber, Division 2007, Utility Services Emp

UTILITY BY OTHERS

NOTE:
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MATCH LINE SHEET UO-012



8/17/99
 10:41 AM U3308 ut_r.dwg 10/02/24 psh.dgn
 10:40:24
 Tosha Barber, Division 2007, Planning Services, Emp