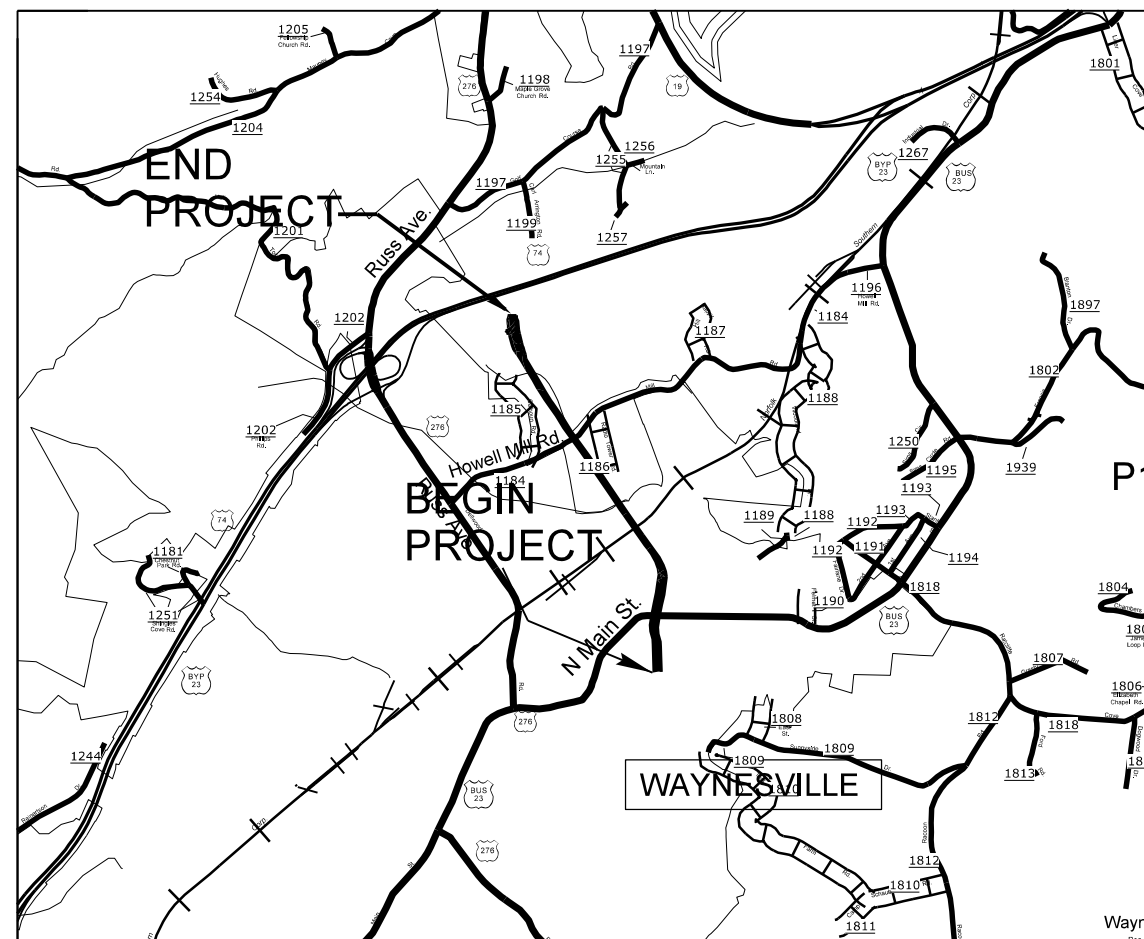


TIP PROJECT: U-5839



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
HAYWOOD COUNTY**

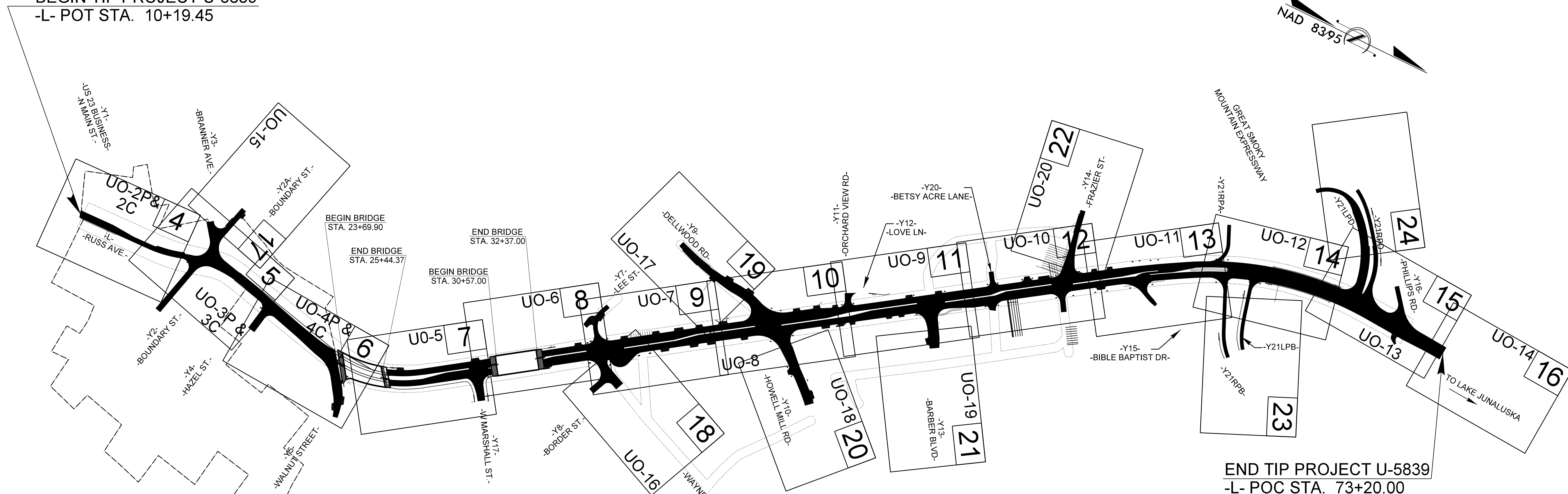
LOCATION: RUSS AVE - US 276 FROM US 23/74 (GREAT SMOKY MOUNTAINS EXPWY) TO US 23 BUS (N MAIN ST)

TYPE OF WORK: GAS, POWER AND COMMUNICATION LINE RELOCATIONS

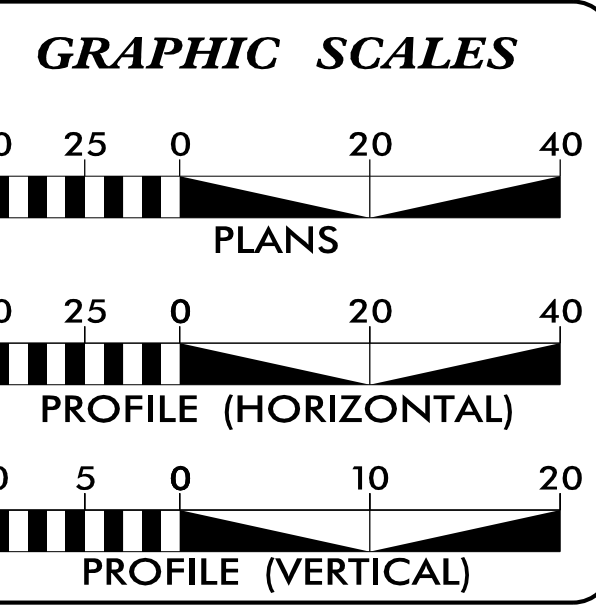
T.I.P. NO.	SHEET NO.
U-5839	UO-1

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

BEGIN TIP PROJECT U-5839
-L- POT STA. 10+19.45



END TIP PROJECT U-5839
-L- POC STA. 73+20.00



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-20	UBO PLAN SHEETS
TH-21 THRU TH-32	TEST HOLE SHEETS

UTILITY OWNERS WITH CONFLICTS

(A) POWER - DUKE ENERGY - (TRANSMISSION)
 (B) POWER - DUKE ENERGY - (DISTRIBUTION)
 (C) POWER - TOWN OF WAYNESVILLE (ToW)
 (D) GAS - DOMINION ENERGY (DE)
 (E) COMMUNICATIONS - AT&T
 (F) COMMUNICATIONS - SPECTRUM
 (G) COMMUNICATIONS - HAYWOOD COUNTY
 (H) COMMUNICATIONS - EDUCATION AND RESEARCH CONSORTIUM (ERC)

PREPARED IN THE OFFICE OF:

HINDE ENGINEERING

License No. C-2639
401 Harrison Oaks Blvd., Suite 145 Cary, NC 27513
(919) 653-0001

Clint L. Stevens, P.E. UTILITY COORDINATION PROJECT MANAGER
 Todd E. Butner PROJECT UTILITY COORDINATOR
 Corey D. Bousquet, P.E. PROJECT UTILITY DESIGNER

DIVISION OF HIGHWAYS UTILITIES UNIT
 1555 MAIL SERVICES CENTER
 RALEIGH, NC 27699-1555
 PHONE (919) 707-6690
 FAX (919) 250-4151

Wanda Austin, P.E. DIVISION ENGINEER
 Mitchell Bishop, P.E. DIVISION CONSTRUCT. ENGINEER
 Nathan Tanner, PE DISTRICT RESIDENT ENGINEER
 Bob Golding DIVISION UTILITY ENGINEER

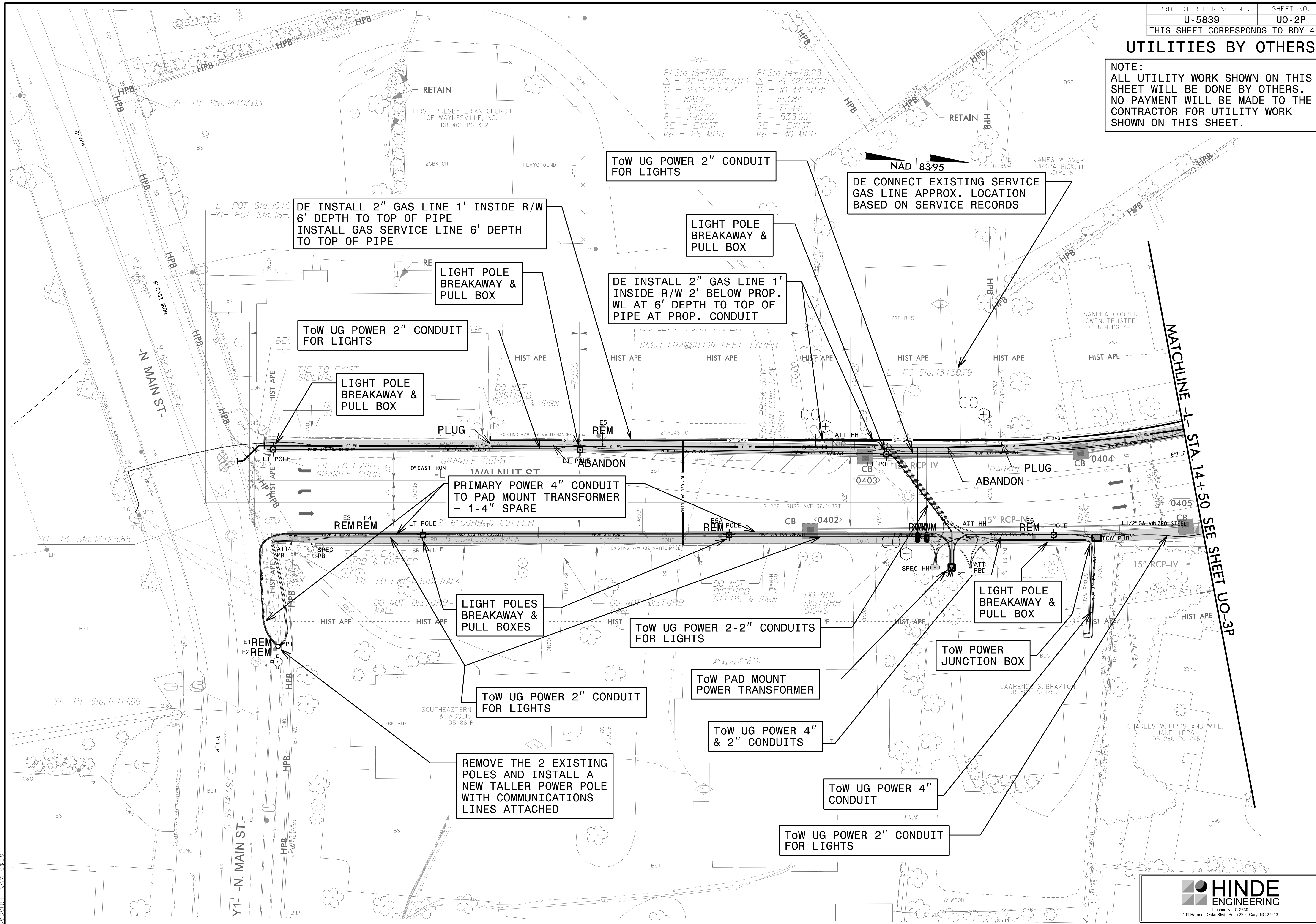
I:\7-APR-2023_12:58_S:\Server_Files\PROJECTS\2015\2015803.00_Mulkey - U-5839\Design\Utilities\Engineering\UBO\Proj\U5839_Ut_-tsh_U01_psh.dgn

UTILITIES BY OTHERS

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

8/17/99

C:\MAR-2023\IT-59\PROJECTS\2015\A2015803.00 Mulkey - U-5839\Design\Utilities\Engineering\UB0\Proj\U5839_Ut_rdy4_UO2P_psh.dgn
 23-MAR-2023 11:59
 33681-01



-Y1-
 PI Sta 16+70.87
 $\Delta = 21^\circ 15' 05.0''$ (RT)
 $D = 23^\circ 52' 23.7''$
 $L = 89.02'$
 $T = 45.03'$
 $R = 240.00'$
 SE = EXIST
 $Vd = 25$ MPH

-L-
 PI Sta 14+28.23
 $\Delta = 16^\circ 32' 01.0''$ (LT)
 $D = 10^\circ 44' 58.8''$
 $L = 153.81'$
 $T = 77.44'$
 $R = 533.00'$
 SE = EXIST
 $Vd = 40$ MPH

MATCHLINE -L- STA. 14 + 50 SEE SHEET UO-3P

NCDOT SIGNAL, AT&T & SPECTRUM ONLY

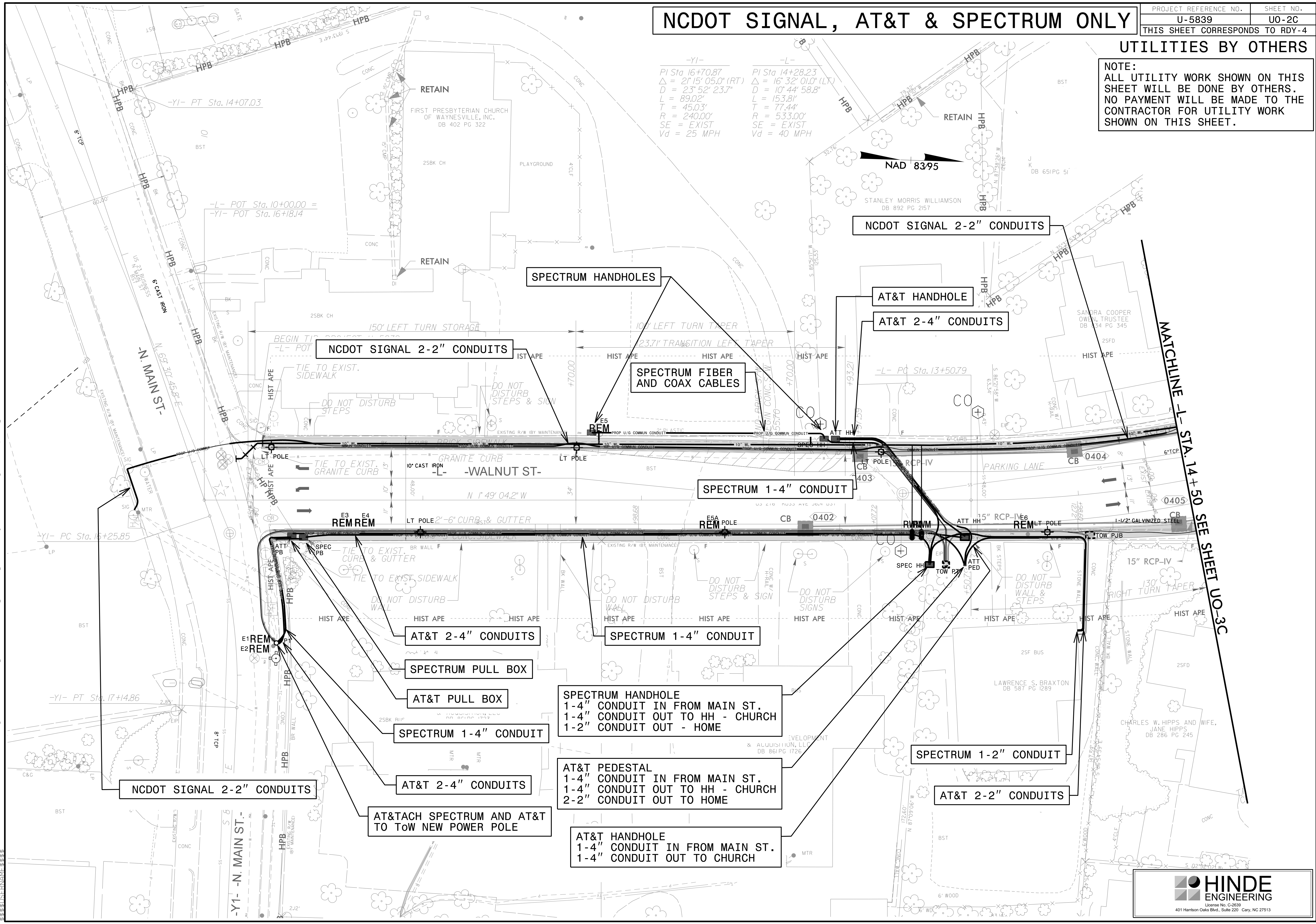
PROJECT REFERENCE NO.	SHEET NO.
U-5839	UO-2C
THIS SHEET CORRESPONDS TO RDY-4	

UTILITIES BY OTHERS

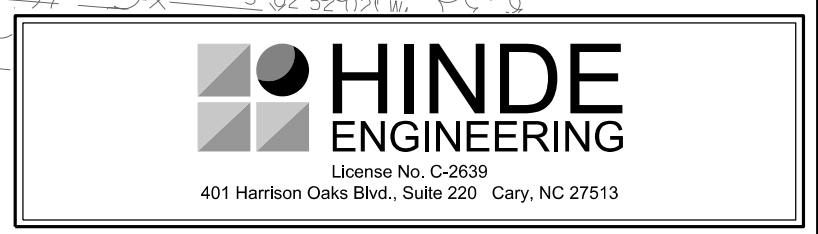
NOTE:
 ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
 NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.

-YI-
 PI Sta 16+70.87
 $\Delta = 21^\circ 15' 05.0''$ (RT)
 $D = 23^\circ 52' 23.7''$
 $L = 89.02'$
 $T = 45.03'$
 $R = 240.00'$
 SE = EXIST
 Vd = 25 MPH

-L-
 PI Sta 14+28.23
 $\Delta = 16^\circ 32' 01.0''$ (LT)
 $D = 10^\circ 44' 58.8''$
 $L = 153.81'$
 $T = 77.44'$
 $R = 533.00'$
 SE = EXIST
 Vd = 40 MPH

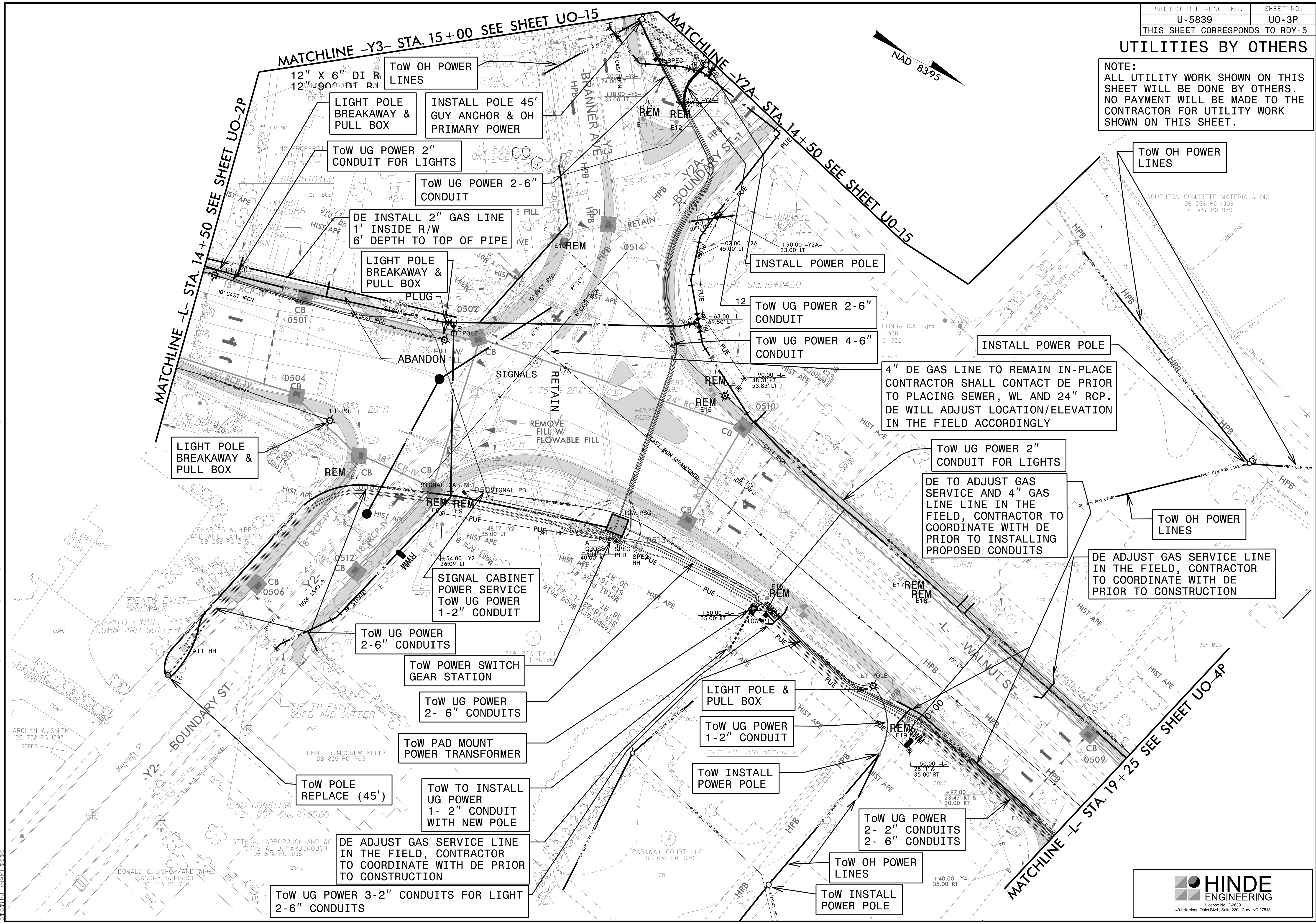
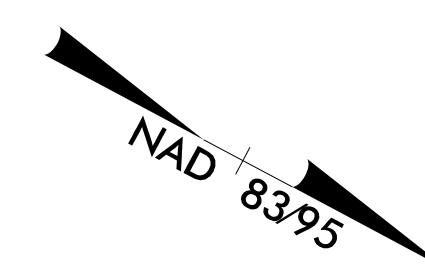


8/17/99
 U:\5839\Projects\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBO\ProJ\U5839_Ut_rdy4_UO2C_psh.dgn
 29-MAR-2017 11:59
 PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBO\ProJ\U5839_Ut_rdy4_UO2C_psh.dgn



UTILITIES BY OTHERS

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



MATCHLINE -Y3- STA. 15+00 SEE SHEET UO-15

MATCHLINE -Y2A- STA. 14+50 SEE SHEET UO-15

MATCHLINE -L- STA. 14+50 SEE SHEET UO-2P

MATCHLINE -L- STA. 19+25 SEE SHEET UO-4P

ToW OH POWER LINES
12" X 6" DI R
12" 90° POINT R.I.

LIGHT POLE BREAKAWAY & PULL BOX
INSTALL POLE 45' GUY ANCHOR & OH PRIMARY POWER

ToW UG POWER 2" CONDUIT FOR LIGHTS

ToW UG POWER 2-6" CONDUIT

DE INSTALL 2" GAS LINE 1' INSIDE R/W 6' DEPTH TO TOP OF PIPE

LIGHT POLE BREAKAWAY & PULL BOX

PLUG

ABANDON

SIGNALS

REMOVE FILL/W FLOWABLE FILL

RETAIN

LIGHT POLE BREAKAWAY & PULL BOX

4" DE GAS LINE TO REMAIN IN-PLACE CONTRACTOR SHALL CONTACT DE PRIOR TO PLACING SEWER, WL AND 24" RCP. DE WILL ADJUST LOCATION/ELEVATION IN THE FIELD ACCORDINGLY

ToW UG POWER 2" CONDUIT FOR LIGHTS

DE TO ADJUST GAS SERVICE AND 4" GAS LINE LINE IN THE FIELD, CONTRACTOR TO COORDINATE WITH DE PRIOR TO INSTALLING PROPOSED CONDUITS

DE ADJUST GAS SERVICE LINE IN THE FIELD, CONTRACTOR TO COORDINATE WITH DE PRIOR TO CONSTRUCTION

SIGNAL CABINET POWER SERVICE ToW UG POWER 1-2" CONDUIT

ToW UG POWER 2-6" CONDUITS

ToW POWER SWITCH GEAR STATION

ToW UG POWER 2-6" CONDUITS

ToW PAD MOUNT POWER TRANSFORMER

ToW POLE REPLACE (45')

ToW TO INSTALL UG POWER 1-2" CONDUIT WITH NEW POLE

DE ADJUST GAS SERVICE LINE IN THE FIELD, CONTRACTOR TO COORDINATE WITH DE PRIOR TO CONSTRUCTION

ToW UG POWER 3-2" CONDUITS FOR LIGHT 2-6" CONDUITS

INSTALL POWER POLE

ToW UG POWER 2-6" CONDUIT

ToW UG POWER 4-6" CONDUIT

INSTALL POWER POLE

ToW OH POWER LINES

SOUTHERN CONCRETE MATERIALS INC
DB 356 PG 1009
DB 337 PG 979

ToW OH POWER LINES

LIGHT POLE & PULL BOX

ToW UG POWER 1-2" CONDUIT

ToW INSTALL POWER POLE

ToW UG POWER 2-2" CONDUITS
2-6" CONDUITS

ToW OH POWER LINES

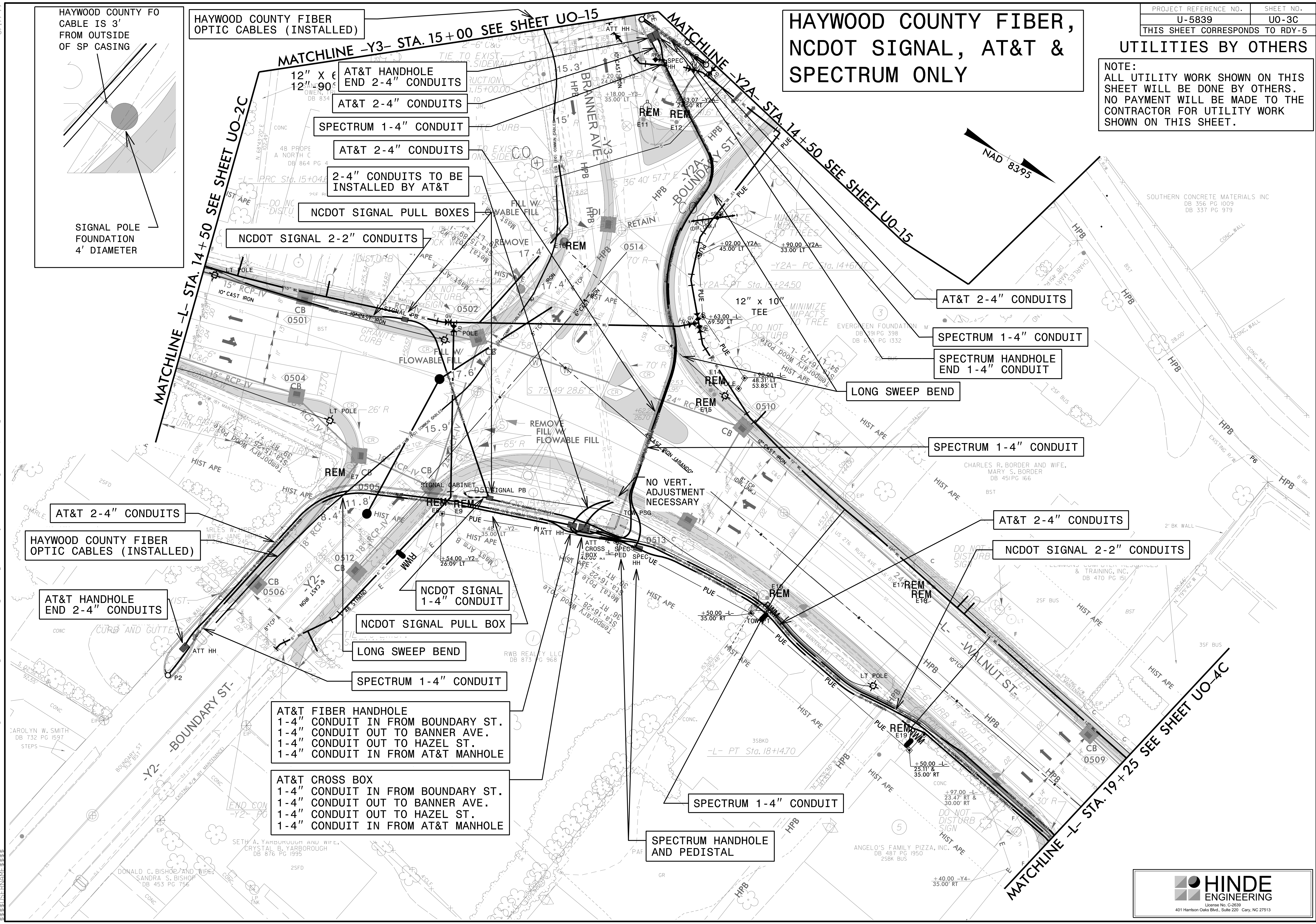
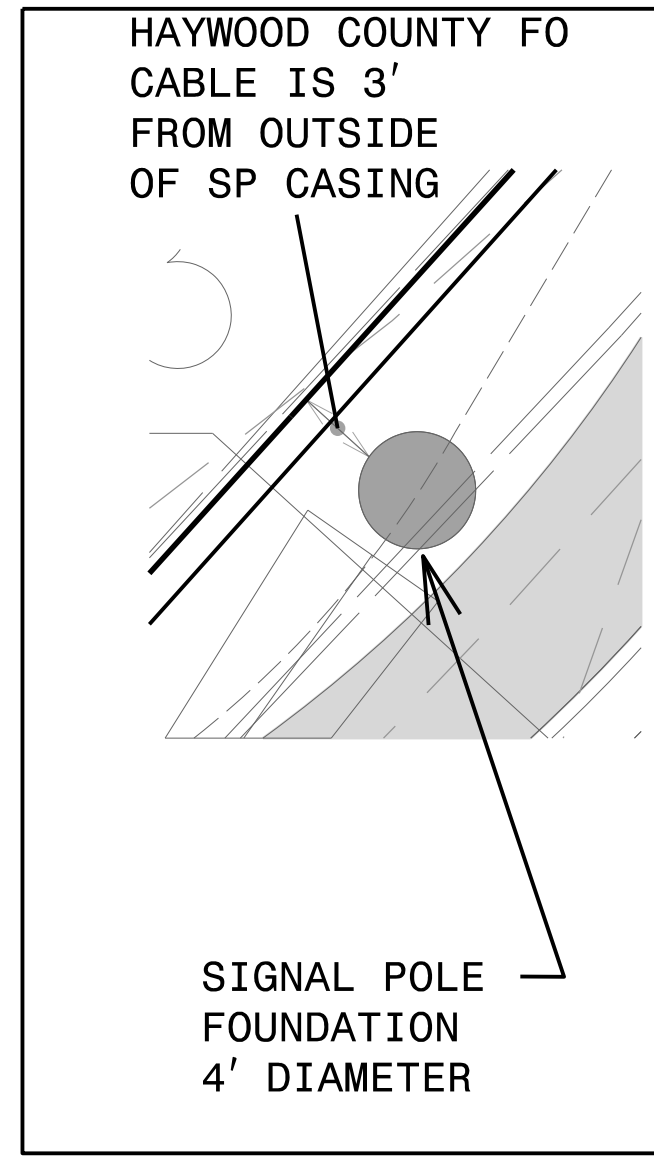
ToW INSTALL POWER POLE

8/17/99
 20-MAR-2023 11:59
 C:\Users\jgibson\Documents\Projects\U-5839\Engineering\UO-3P\UO-3P.dgn
 U-5839\Design\Utilities\Engineering\UO-3P\UO-3P.dgn

UTILITIES BY OTHERS

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

HAYWOOD COUNTY FIBER, NCDOT SIGNAL, AT&T & SPECTRUM ONLY



HAYWOOD COUNTY FIBER OPTIC CABLES (INSTALLED)

AT&T HANDHOLE END 2-4" CONDUITS

AT&T 2-4" CONDUITS

SPECTRUM 1-4" CONDUIT

AT&T 2-4" CONDUITS

2-4" CONDUITS TO BE INSTALLED BY AT&T

NCDOT SIGNAL PULL BOXES

NCDOT SIGNAL 2-2" CONDUITS

AT&T 2-4" CONDUITS

SPECTRUM 1-4" CONDUIT

SPECTRUM HANDHOLE END 1-4" CONDUIT

LONG SWEEP BEND

SPECTRUM 1-4" CONDUIT

AT&T 2-4" CONDUITS

HAYWOOD COUNTY FIBER OPTIC CABLES (INSTALLED)

AT&T HANDHOLE END 2-4" CONDUITS

NCDOT SIGNAL 1-4" CONDUIT

NCDOT SIGNAL PULL BOX

LONG SWEEP BEND

SPECTRUM 1-4" CONDUIT

AT&T FIBER HANDHOLE
1-4" CONDUIT IN FROM BOUNDARY ST.
1-4" CONDUIT OUT TO BANNER AVE.
1-4" CONDUIT OUT TO HAZEL ST.
1-4" CONDUIT IN FROM AT&T MANHOLE

AT&T CROSS BOX
1-4" CONDUIT IN FROM BOUNDARY ST.
1-4" CONDUIT OUT TO BANNER AVE.
1-4" CONDUIT OUT TO HAZEL ST.
1-4" CONDUIT IN FROM AT&T MANHOLE

AT&T 2-4" CONDUITS

NCDOT SIGNAL 2-2" CONDUITS

SPECTRUM 1-4" CONDUIT

SPECTRUM HANDHOLE AND PEDISTAL

SOUTHERN CONCRETE MATERIALS INC
DB 356 PG 1009
DB 337 PG 979

CHARLES R. BORDER AND WIFE,
MARY S. BORDER
DB 451 PG 166

FLORIANI CONSTRUCTION & TRAINING, INC.
DB 470 PG 151

CAROLYN W. SMITH
DB 732 PG 1597

SETH A. YARBOROUGH AND WIFE,
CRYSTAL B. YARBOROUGH
DB 876 PG 1995

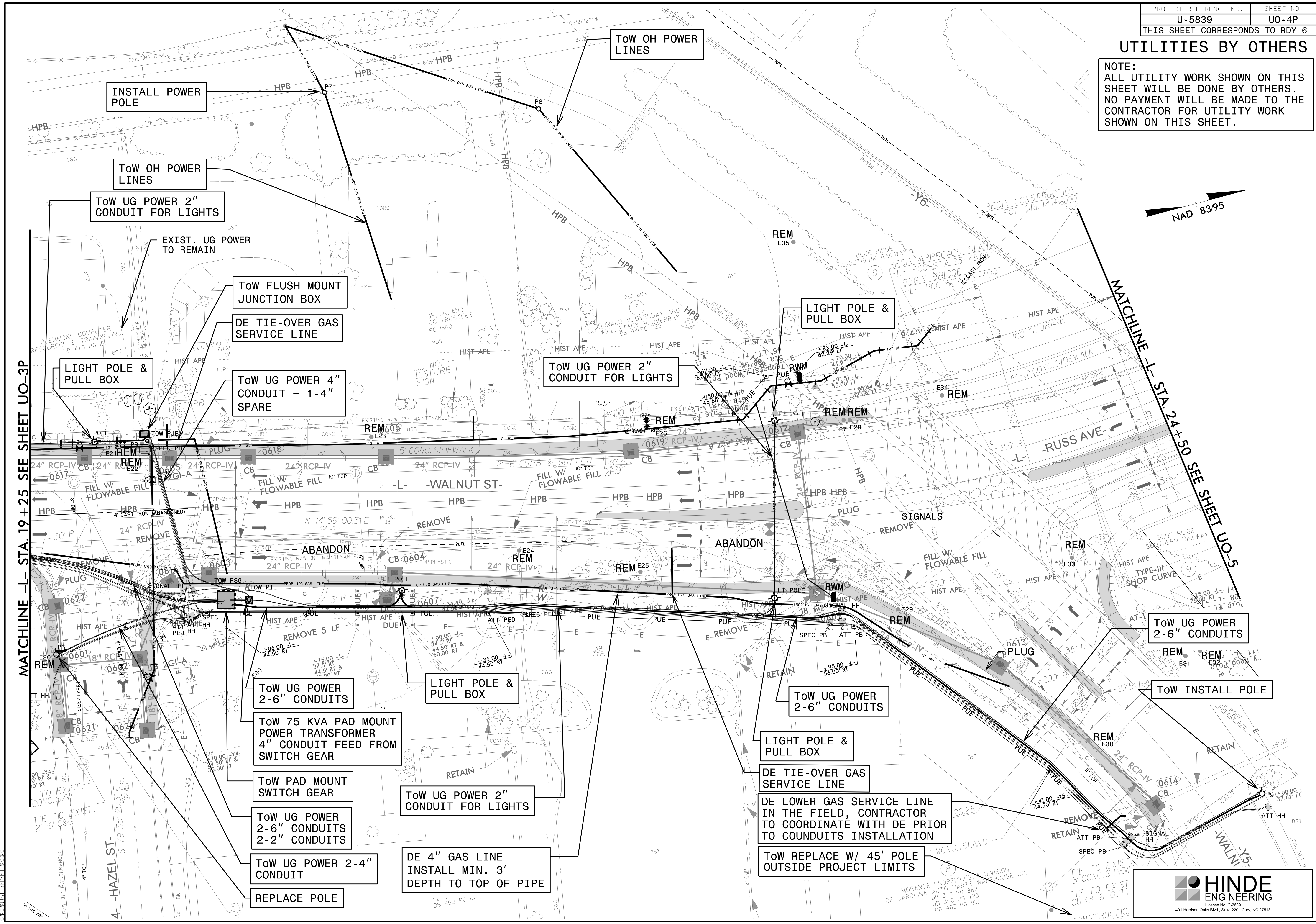
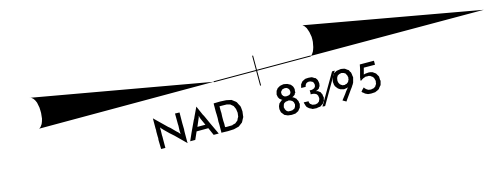
DONALD C. BISHOP AND WIFE,
SANDRA S. BISHOP
DB 453 PG 756

ANGELO'S FAMILY PIZZA, INC.
DB 487 PG 1950
25BK BUS

8/17/99
22-MAR-2023 07:08
U:\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD03-Proj\U5839_Ut_rdy5_UO3C_psh.dgn

UTILITIES BY OTHERS

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

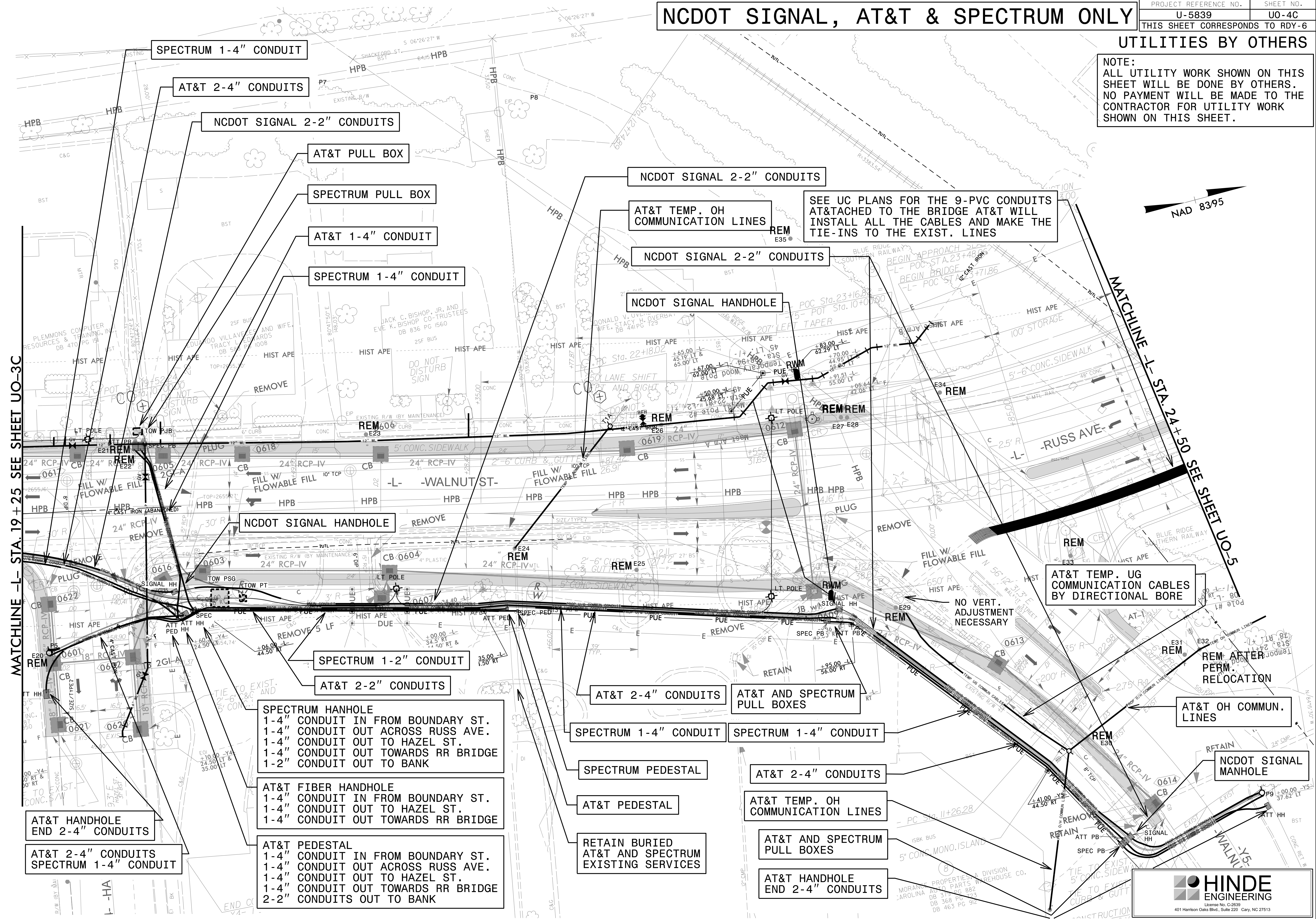
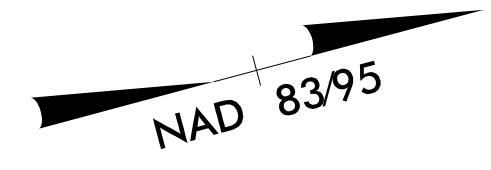


20-MAR-2023 10:00 C:\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\U5839_Ut_rdy6_UO4P_psh.dgn
 3:38:51 PM

NCDOT SIGNAL, AT&T & SPECTRUM ONLY

UTILITIES BY OTHERS

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



MATCHLINE -L- STA. 19 +25 SEE SHEET UO-3C

MATCHLINE -L- STA. 24 +50 SEE SHEET UO-5

SEE UC PLANS FOR THE 9-PVC CONDUITS AT&T ATTACHED TO THE BRIDGE AT&T WILL INSTALL ALL THE CABLES AND MAKE THE TIE-INS TO THE EXIST. LINES

AT&T TEMP. UG COMMUNICATION CABLES BY DIRECTIONAL BORE

NO VERT. ADJUSTMENT NECESSARY

AT&T OH COMMUN. LINES

NCDOT SIGNAL MANHOLE

AT&T HANDHOLE END 2-4" CONDUITS

AT&T 2-4" CONDUITS SPECTRUM 1-4" CONDUIT

SPECTRUM HANHOLE
1-4" CONDUIT IN FROM BOUNDARY ST.
1-4" CONDUIT OUT ACROSS RUSS AVE.
1-4" CONDUIT OUT TO HAZEL ST.
1-4" CONDUIT OUT TOWARDS RR BRIDGE
1-2" CONDUIT OUT TO BANK

AT&T FIBER HANDHOLE
1-4" CONDUIT IN FROM BOUNDARY ST.
1-4" CONDUIT OUT TO HAZEL ST.
1-4" CONDUIT OUT TOWARDS RR BRIDGE

AT&T PEDESTAL
1-4" CONDUIT IN FROM BOUNDARY ST.
1-4" CONDUIT OUT ACROSS RUSS AVE.
1-4" CONDUIT OUT TO HAZEL ST.
1-4" CONDUIT OUT TOWARDS RR BRIDGE
2-2" CONDUITS OUT TO BANK

AT&T 2-4" CONDUITS

SPECTRUM 1-4" CONDUIT

SPECTRUM PEDESTAL

AT&T PEDESTAL

RETAIN BURIED AT&T AND SPECTRUM EXISTING SERVICES

AT&T 2-4" CONDUITS

SPECTRUM 1-4" CONDUIT

AT&T AND SPECTRUM PULL BOXES

AT&T TEMP. OH COMMUNICATION LINES

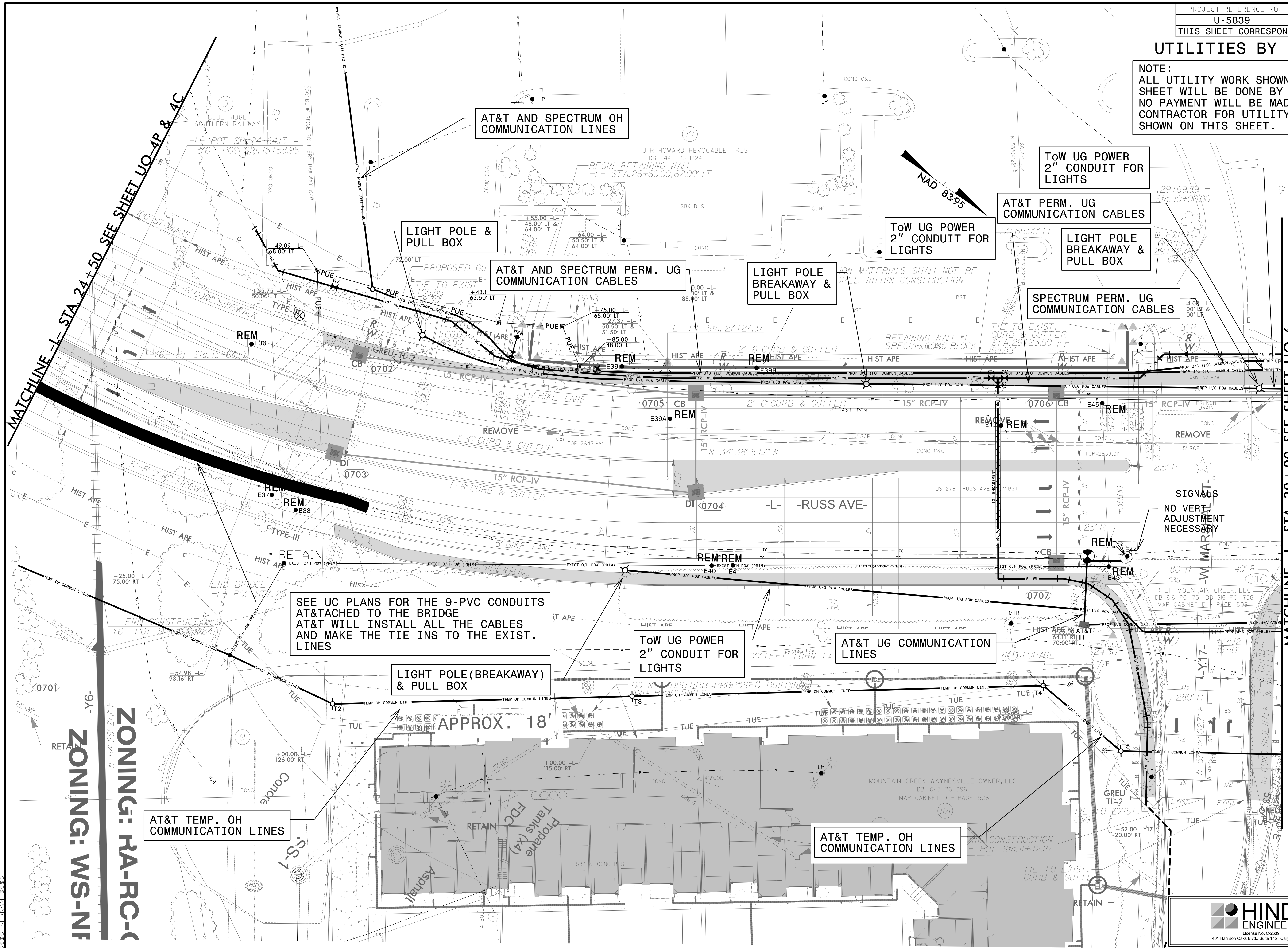
AT&T AND SPECTRUM PULL BOXES

AT&T HANDHOLE END 2-4" CONDUITS

U:\5839\Design\Utilities\Engineering\UO\U-5839-UO-4C-psd.dgn

UTILITIES BY OTHERS

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



AT&T AND SPECTRUM OH COMMUNICATION LINES

LIGHT POLE & PULL BOX

AT&T AND SPECTRUM PERM. UG COMMUNICATION CABLES

LIGHT POLE BREAKAWAY & PULL BOX

ToW UG POWER 2\" CONDUIT FOR LIGHTS

ToW UG POWER 2\" CONDUIT FOR LIGHTS

AT&T PERM. UG COMMUNICATION CABLES

LIGHT POLE BREAKAWAY & PULL BOX

SPECTRUM PERM. UG COMMUNICATION CABLES

SEE UC PLANS FOR THE 9-PVC CONDUITS ATTACHED TO THE BRIDGE AT&T WILL INSTALL ALL THE CABLES AND MAKE THE TIE-INS TO THE EXIST. LINES

LIGHT POLE (BREAKAWAY) & PULL BOX

ToW UG POWER 2\" CONDUIT FOR LIGHTS

AT&T UG COMMUNICATION LINES

AT&T TEMP. OH COMMUNICATION LINES

AT&T TEMP. OH COMMUNICATION LINES

MATCHLINE -L- STA. 24+50 SEE SHEET UO-4P & 4C

MATCHLINE -L- STA. 30+00 SEE SHEET UO-6

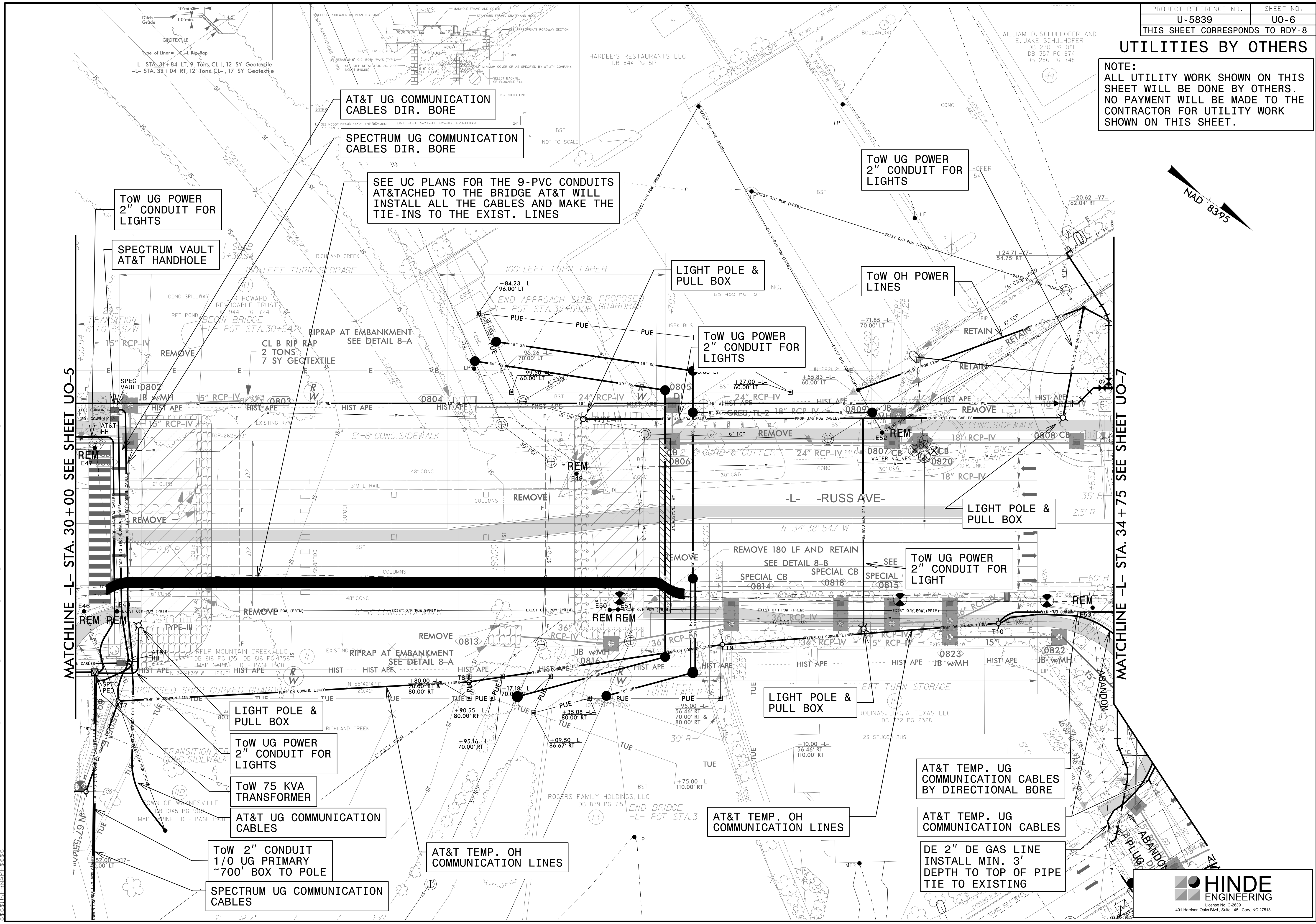
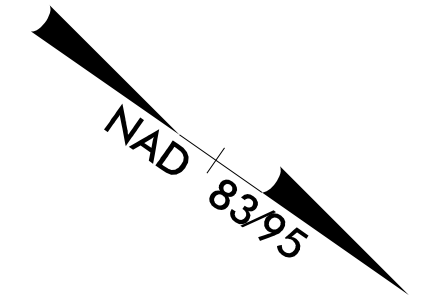
ZONING: RA-RC-C
ZONING: WS-NF

REVISIONS

20-MAR-2017 2:31 PM PROJECTS\2015\A2015803.00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\Pro\U05839_Ut_rdy7_U05_psh.dgn
 3:58:51 PM
 3:58:51 PM

UTILITIES BY OTHERS

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



MATCHLINE -L- STA. 30 + 00 SEE SHEET UO-5

MATCHLINE -L- STA. 34 + 75 SEE SHEET UO-7

AT&T UG COMMUNICATION CABLES DIR. BORE

SPECTRUM UG COMMUNICATION CABLES DIR. BORE

SEE UC PLANS FOR THE 9-PVC CONDUITS AT&TACHED TO THE BRIDGE AT&T WILL INSTALL ALL THE CABLES AND MAKE THE TIE-INS TO THE EXIST. LINES

ToW UG POWER 2" CONDUIT FOR LIGHTS

SPECTRUM VAULT AT&T HANDHOLE

ToW UG POWER 2" CONDUIT FOR LIGHTS

LIGHT POLE & PULL BOX

ToW OH POWER LINES

ToW UG POWER 2" CONDUIT FOR LIGHTS

LIGHT POLE & PULL BOX

ToW UG POWER 2" CONDUIT FOR LIGHT

LIGHT POLE & PULL BOX

ToW UG POWER 2" CONDUIT FOR LIGHTS

ToW 75 KVA TRANSFORMER

AT&T UG COMMUNICATION CABLES

ToW 2" CONDUIT 1/0 UG PRIMARY ~700' BOX TO POLE

SPECTRUM UG COMMUNICATION CABLES

AT&T TEMP. OH COMMUNICATION LINES

LIGHT POLE & PULL BOX

AT&T TEMP. OH COMMUNICATION LINES

AT&T TEMP. UG COMMUNICATION CABLES BY DIRECTIONAL BORE

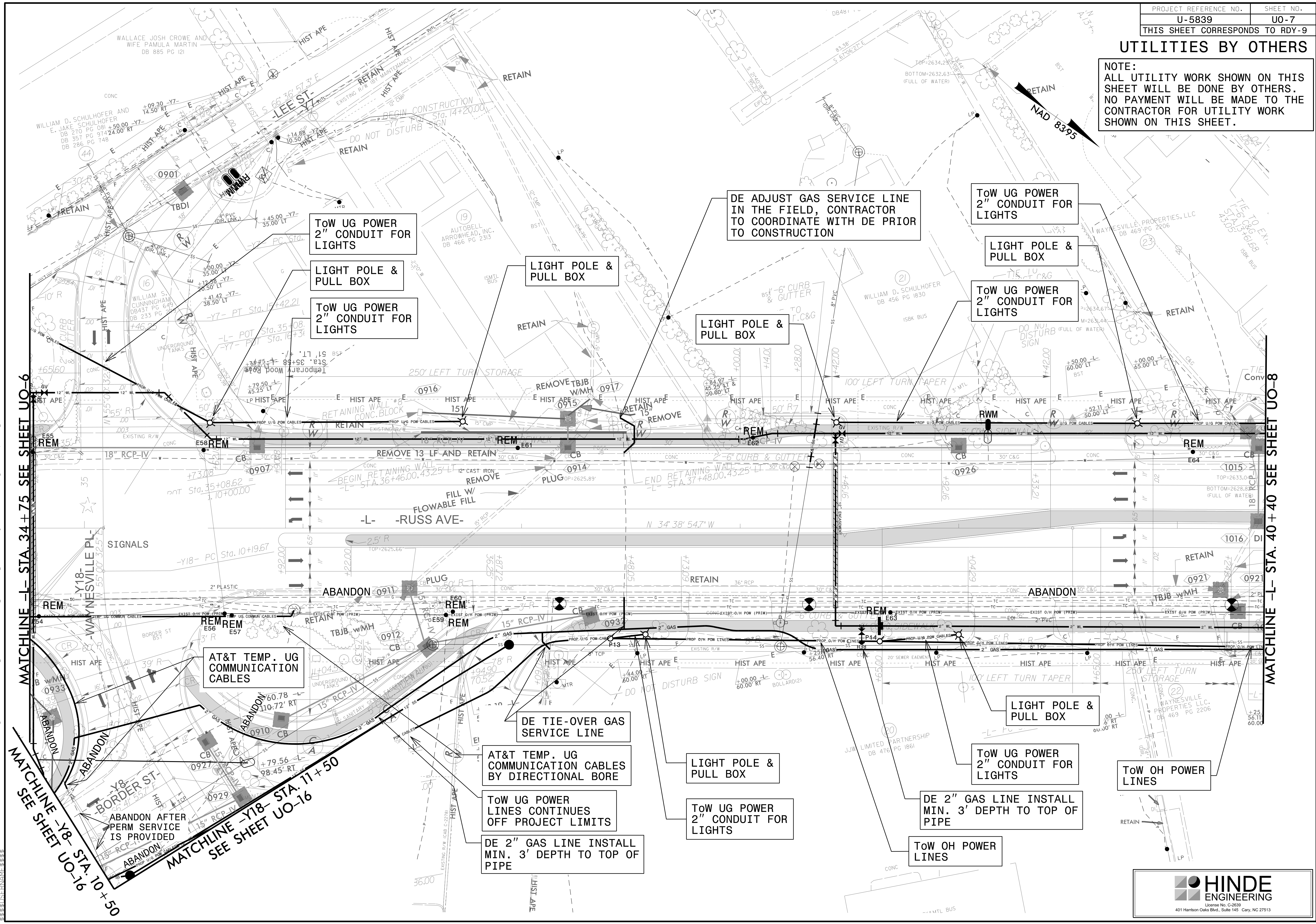
AT&T TEMP. UG COMMUNICATION CABLES

DE 2" DE GAS LINE INSTALL MIN. 3' DEPTH TO TOP OF PIPE TIE TO EXISTING

U:\Projects\2015\A2015803\00_Mulkey - U-5839\Utilities\Engineering\UB0\Pro\U5839_Ut_rdy8_U06_psh.dgn

UTILITIES BY OTHERS

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



ToW UG POWER
2" CONDUIT FOR
LIGHTS

LIGHT POLE &
PULL BOX

ToW UG POWER
2" CONDUIT FOR
LIGHTS

LIGHT POLE &
PULL BOX

LIGHT POLE &
PULL BOX

DE ADJUST GAS SERVICE LINE
IN THE FIELD, CONTRACTOR
TO COORDINATE WITH DE PRIOR
TO CONSTRUCTION

ToW UG POWER
2" CONDUIT FOR
LIGHTS

LIGHT POLE &
PULL BOX

ToW UG POWER
2" CONDUIT FOR
LIGHTS

AT&T TEMP. UG
COMMUNICATION
CABLES

DE TIE-OVER GAS
SERVICE LINE

AT&T TEMP. UG
COMMUNICATION CABLES
BY DIRECTIONAL BORE

ToW UG POWER
LINES CONTINUES
OFF PROJECT LIMITS

DE 2" GAS LINE INSTALL
MIN. 3' DEPTH TO TOP OF
PIPE

LIGHT POLE &
PULL BOX

ToW UG POWER
2" CONDUIT FOR
LIGHTS

LIGHT POLE &
PULL BOX

ToW UG POWER
2" CONDUIT FOR
LIGHTS

DE 2" GAS LINE INSTALL
MIN. 3' DEPTH TO TOP OF
PIPE

ToW OH POWER
LINES

ToW OH POWER
LINES

MATCHLINE -L- STA. 34+75 SEE SHEET UO-6

MATCHLINE -L- STA. 40+40 SEE SHEET UO-8

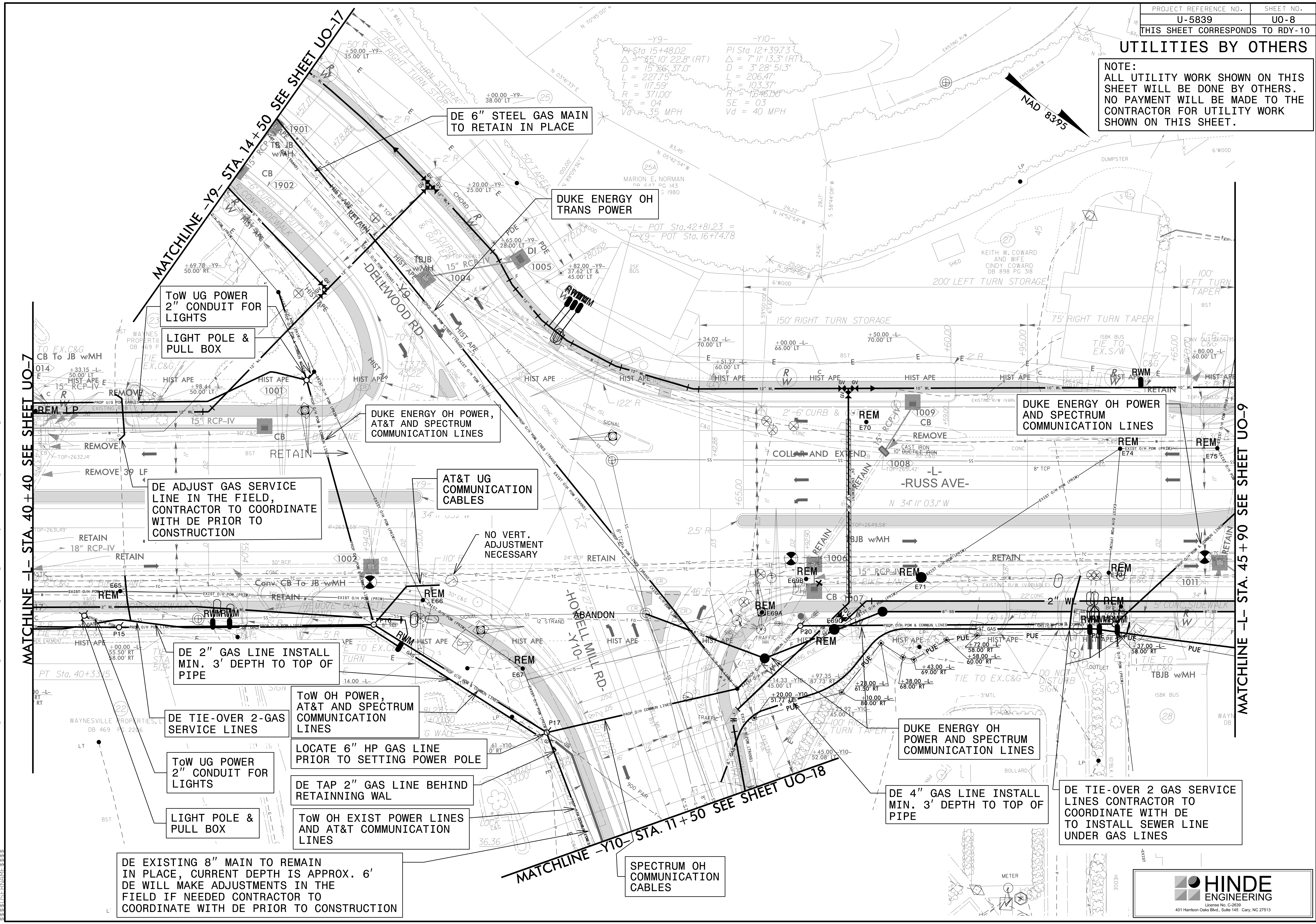
MATCHLINE -Y8- STA. 10+50
SEE SHEET UO-16

MATCHLINE -Y18- STA. 11+50
SEE SHEET UO-16

20-MAR-2017 10:01 AM C:\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\U5839_Ut_rdy_1_U07_psh.dgn

UTILITIES BY OTHERS

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



MATCHLINE -L- STA. 40+40 SEE SHEET UO-7

MATCHLINE -L- STA. 45+90 SEE SHEET UO-9

DE 6" STEEL GAS MAIN TO RETAIN IN PLACE

DUKE ENERGY OH TRANS POWER

ToW UG POWER 2" CONDUIT FOR LIGHTS

LIGHT POLE & PULL BOX

DUKE ENERGY OH POWER, AT&T AND SPECTRUM COMMUNICATION LINES

DUKE ENERGY OH POWER AND SPECTRUM COMMUNICATION LINES

DE ADJUST GAS SERVICE LINE IN THE FIELD, CONTRACTOR TO COORDINATE WITH DE PRIOR TO CONSTRUCTION

AT&T UG COMMUNICATION CABLES

NO VERT. ADJUSTMENT NECESSARY

DE 2" GAS LINE INSTALL MIN. 3' DEPTH TO TOP OF PIPE

ToW OH POWER, AT&T AND SPECTRUM COMMUNICATION LINES

DE TIE-OVER 2-GAS SERVICE LINES

ToW UG POWER 2" CONDUIT FOR LIGHTS

LIGHT POLE & PULL BOX

LOCATE 6" HP GAS LINE PRIOR TO SETTING POWER POLE

DE TAP 2" GAS LINE BEHIND RETAINING WALL

ToW OH EXIST POWER LINES AND AT&T COMMUNICATION LINES

DE EXISTING 8" MAIN TO REMAIN IN PLACE, CURRENT DEPTH IS APPROX. 6' DE WILL MAKE ADJUSTMENTS IN THE FIELD IF NEEDED CONTRACTOR TO COORDINATE WITH DE PRIOR TO CONSTRUCTION

SPECTRUM OH COMMUNICATION CABLES

DUKE ENERGY OH POWER AND SPECTRUM COMMUNICATION LINES

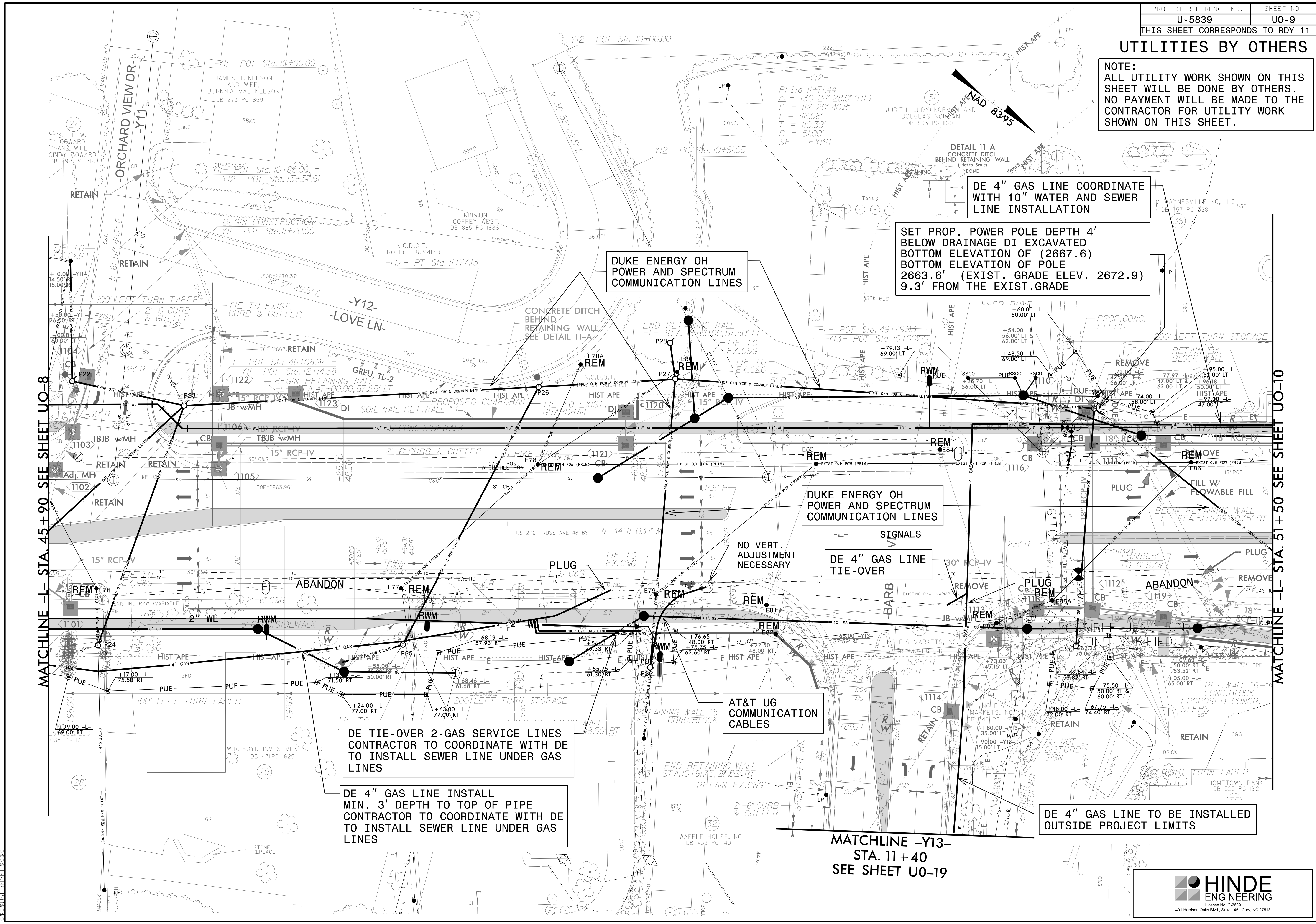
DE 4" GAS LINE INSTALL MIN. 3' DEPTH TO TOP OF PIPE

DE TIE-OVER 2 GAS SERVICE LINES CONTRACTOR TO COORDINATE WITH DE TO INSTALL SEWER LINE UNDER GAS LINES

20-MAR-2017 10:01 U:\5839\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UB0Y\Proj\U5839_Ut_rdy10_U08_psh.dgn

UTILITIES BY OTHERS

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



DE 4" GAS LINE COORDINATE WITH 10" WATER AND SEWER LINE INSTALLATION

SET PROP. POWER POLE DEPTH 4' BELOW DRAINAGE DI EXCAVATED BOTTOM ELEVATION OF (2667.6) BOTTOM ELEVATION OF POLE 2663.6' (EXIST. GRADE ELEV. 2672.9) 9.3' FROM THE EXIST. GRADE

DUKE ENERGY OH POWER AND SPECTRUM COMMUNICATION LINES

DUKE ENERGY OH POWER AND SPECTRUM COMMUNICATION LINES

DE 4" GAS LINE TIE-OVER

AT&T UG COMMUNICATION CABLES

DE TIE-OVER 2-GAS SERVICE LINES CONTRACTOR TO COORDINATE WITH DE TO INSTALL SEWER LINE UNDER GAS LINES

DE 4" GAS LINE INSTALL MIN. 3' DEPTH TO TOP OF PIPE CONTRACTOR TO COORDINATE WITH DE TO INSTALL SEWER LINE UNDER GAS LINES

DE 4" GAS LINE TO BE INSTALLED OUTSIDE PROJECT LIMITS

MATCHLINE -Y13- STA. 11+40 SEE SHEET U0-19

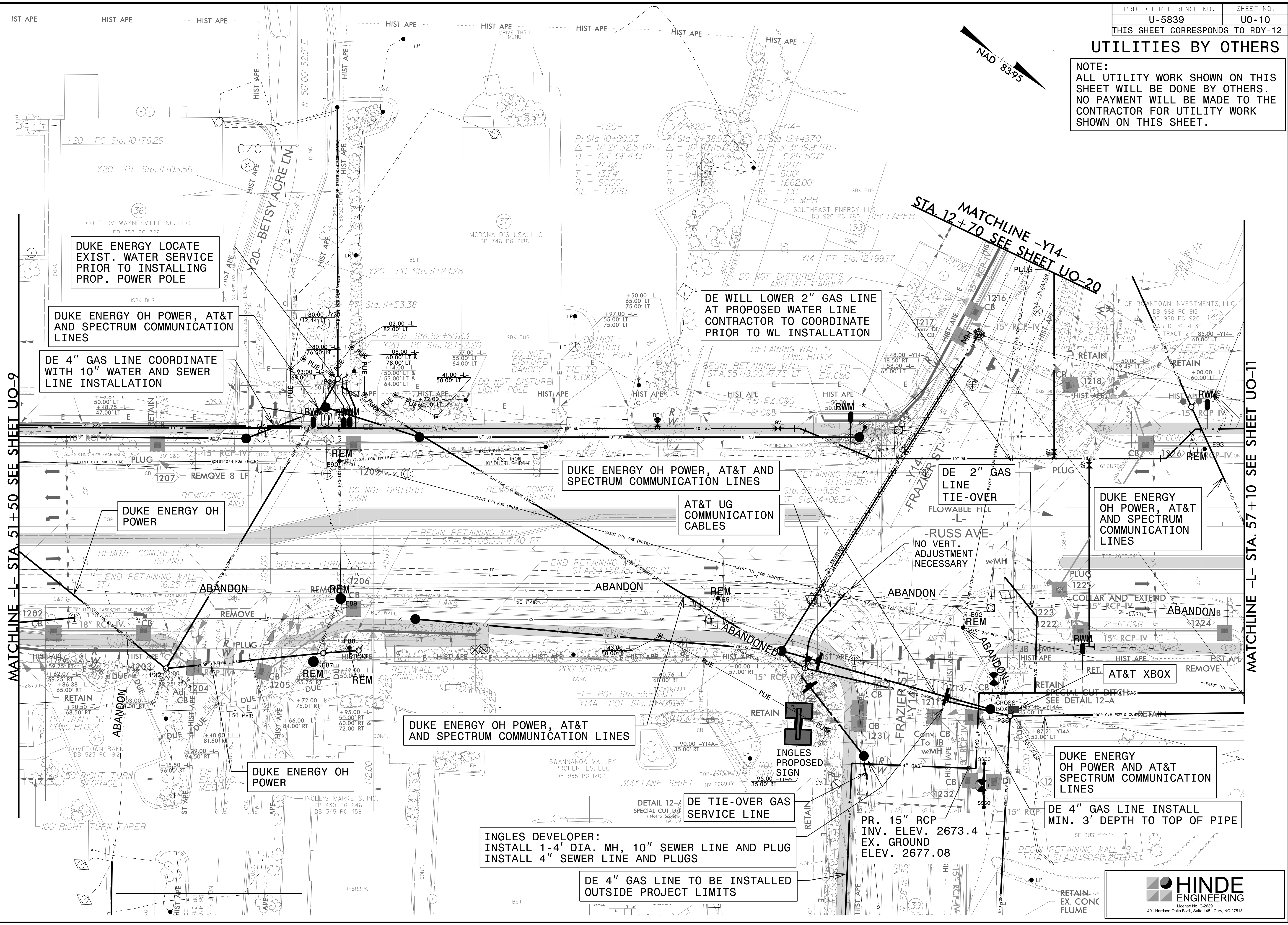
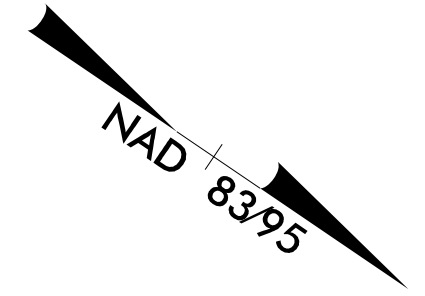
MATCHLINE -L- STA. 45+90 SEE SHEET U0-8

MATCHLINE -L- STA. 51+50 SEE SHEET U0-10

20-MAR-2017 10:00 AM U:\5839\Projects\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\U00\Proj\U5839_Ut_rdy11_U09_psh.dgn
 2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\U00\Proj\U5839_Ut_rdy11_U09_psh.dgn
 2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\U00\Proj\U5839_Ut_rdy11_U09_psh.dgn

UTILITIES BY OTHERS

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



MATCHLINE -L- STA. 51+50 SEE SHEET UO-9

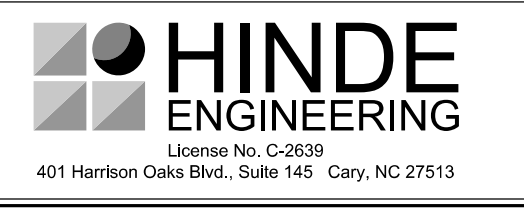
MATCHLINE -L- STA. 57+10 SEE SHEET UO-11

INGLES DEVELOPER:
INSTALL 1-4' DIA. MH, 10" SEWER LINE AND PLUG
INSTALL 4" SEWER LINE AND PLUGS

DE 4" GAS LINE TO BE INSTALLED
OUTSIDE PROJECT LIMITS

PR. 15" RCP
INV. ELEV. 2673.4
EX. GROUND
ELEV. 2677.08

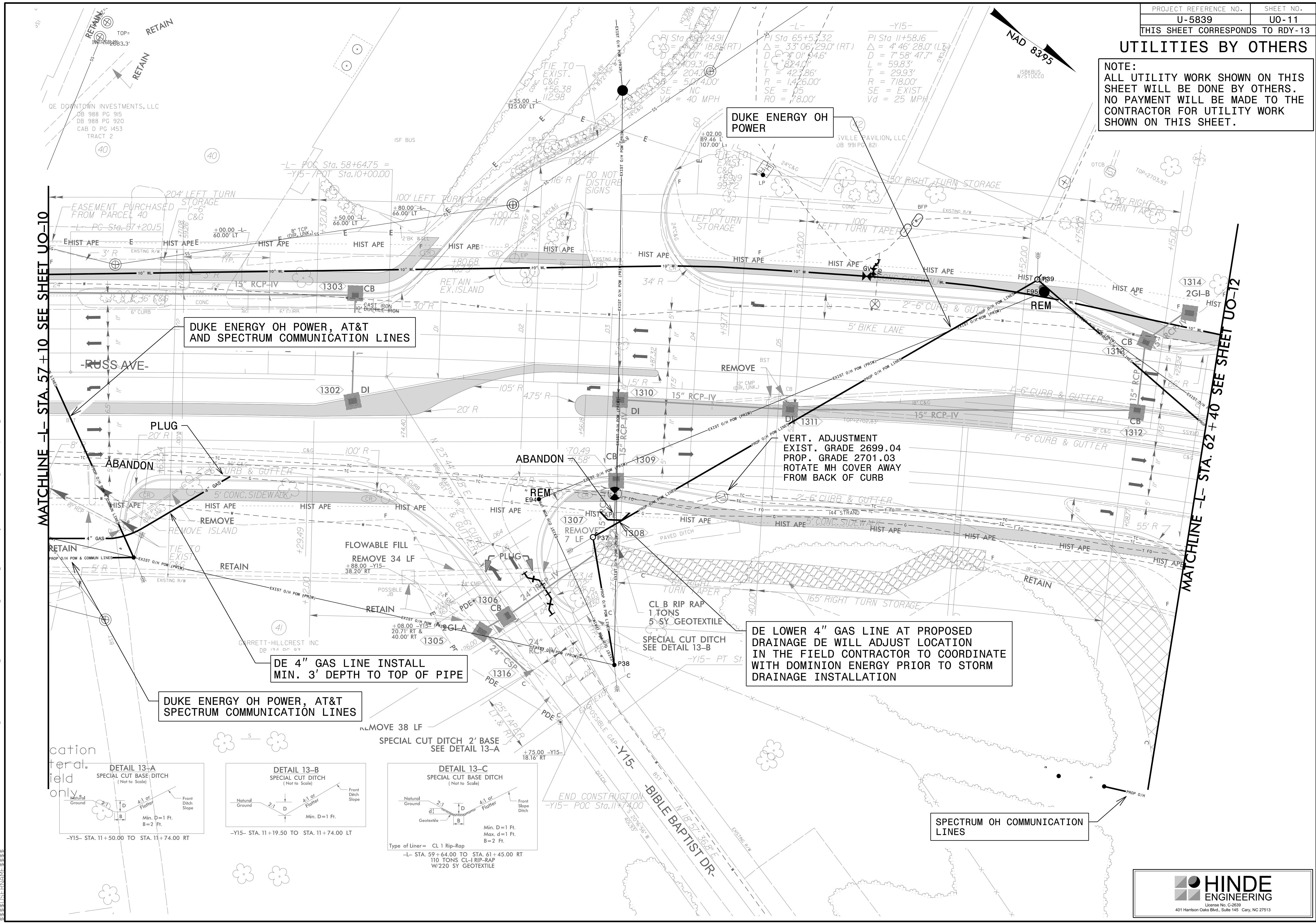
DE 4" GAS LINE INSTALL
MIN. 3' DEPTH TO TOP OF PIPE



20-MAR-2023 15:15:55 PROJECTS\2015\A2015803.00 Mulkey - U-5839\Utilities\Engineering\UBO\ProJ\U5839_Ut_rdy12-UO10_psh.dgn

UTILITIES BY OTHERS

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



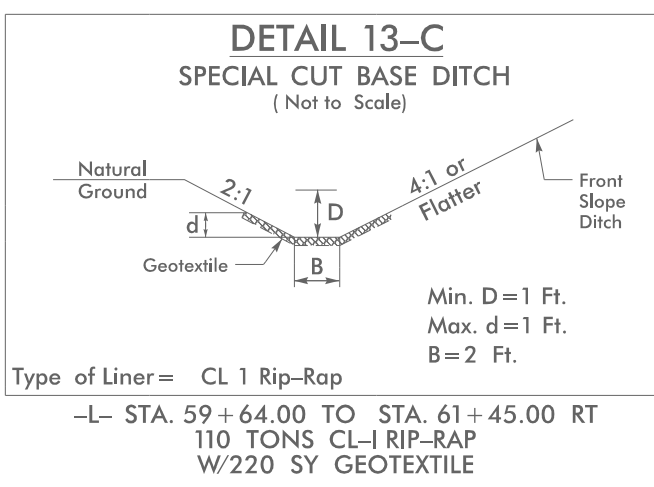
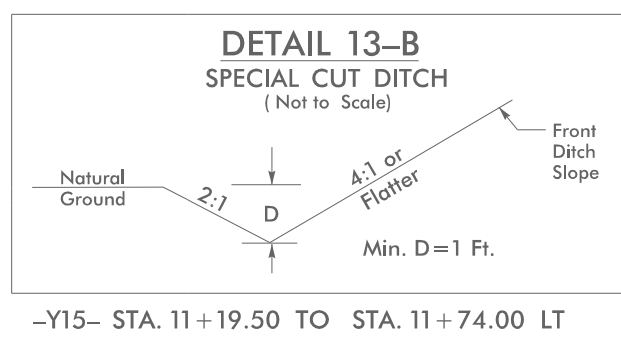
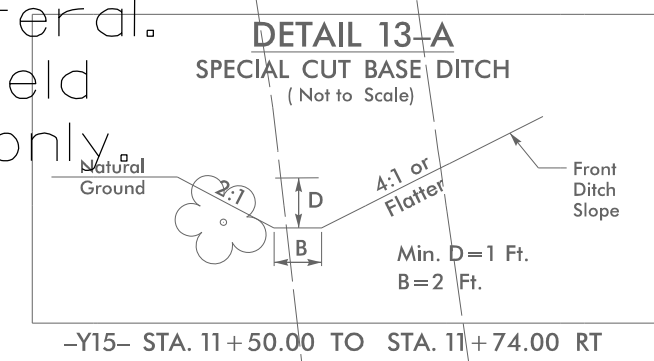
MATCHLINE -L- STA. 57+10 SEE SHEET U0-10

MATCHLINE -L- STA. 62+40 SEE SHEET U0-12

DUKE ENERGY OH POWER, AT&T AND SPECTRUM COMMUNICATION LINES

DUKE ENERGY OH POWER, AT&T SPECTRUM COMMUNICATION LINES

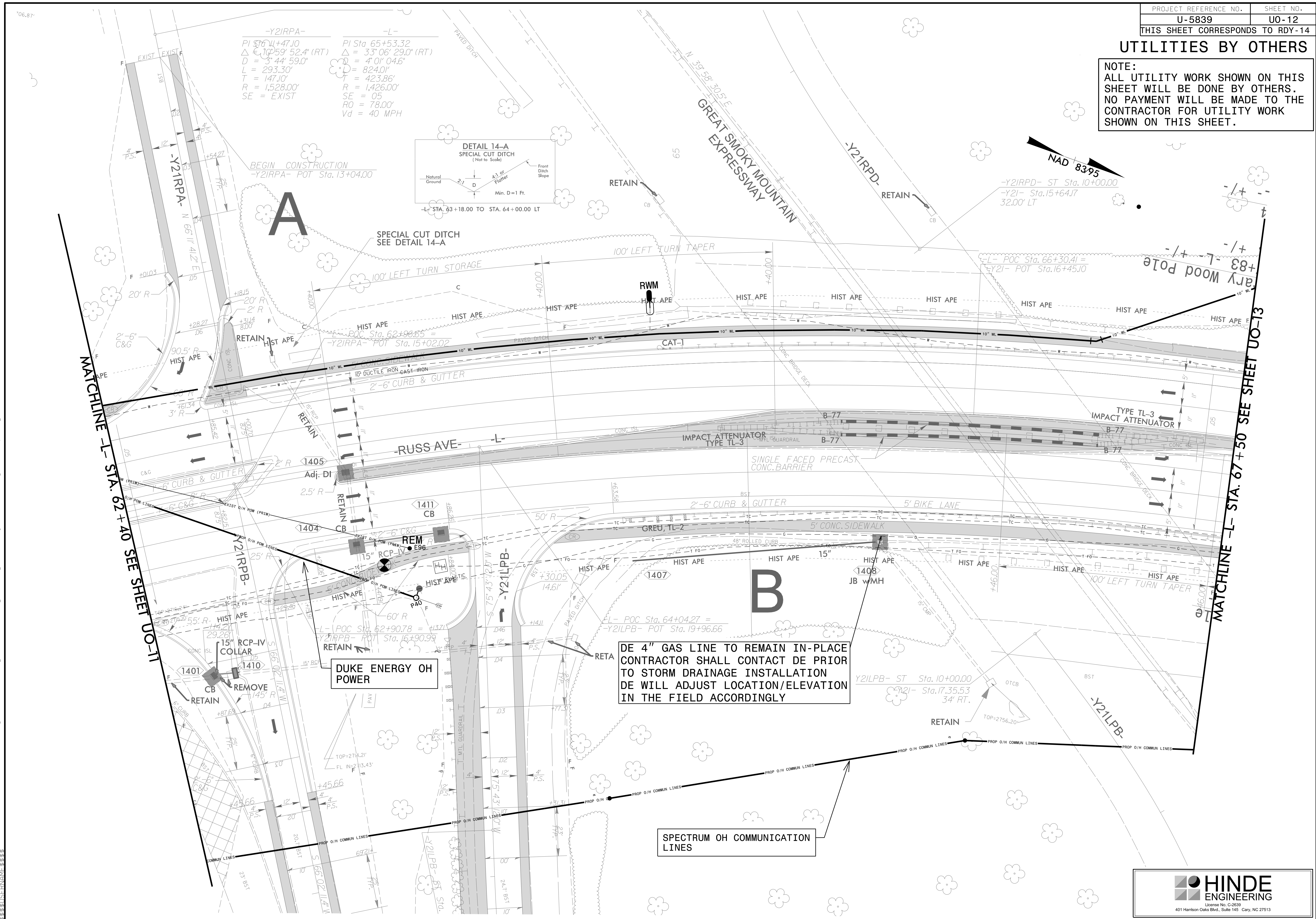
DE LOWER 4" GAS LINE AT PROPOSED DRAINAGE DE WILL ADJUST LOCATION IN THE FIELD CONTRACTOR TO COORDINATE WITH DOMINION ENERGY PRIOR TO STORM DRAINAGE INSTALLATION



C:\MAR-2013\180\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\U00\Pro\U5839_Ut_rdy13_U011_psh.dgn

UTILITIES BY OTHERS

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



DE 4" GAS LINE TO REMAIN IN-PLACE
CONTRACTOR SHALL CONTACT DE PRIOR
TO STORM DRAINAGE INSTALLATION
DE WILL ADJUST LOCATION/ELEVATION
IN THE FIELD ACCORDINGLY

SPECTRUM OH COMMUNICATION
LINES

DUKE ENERGY OH
POWER

MATCHLINE -L- STA. 62+40 SEE SHEET UO-11

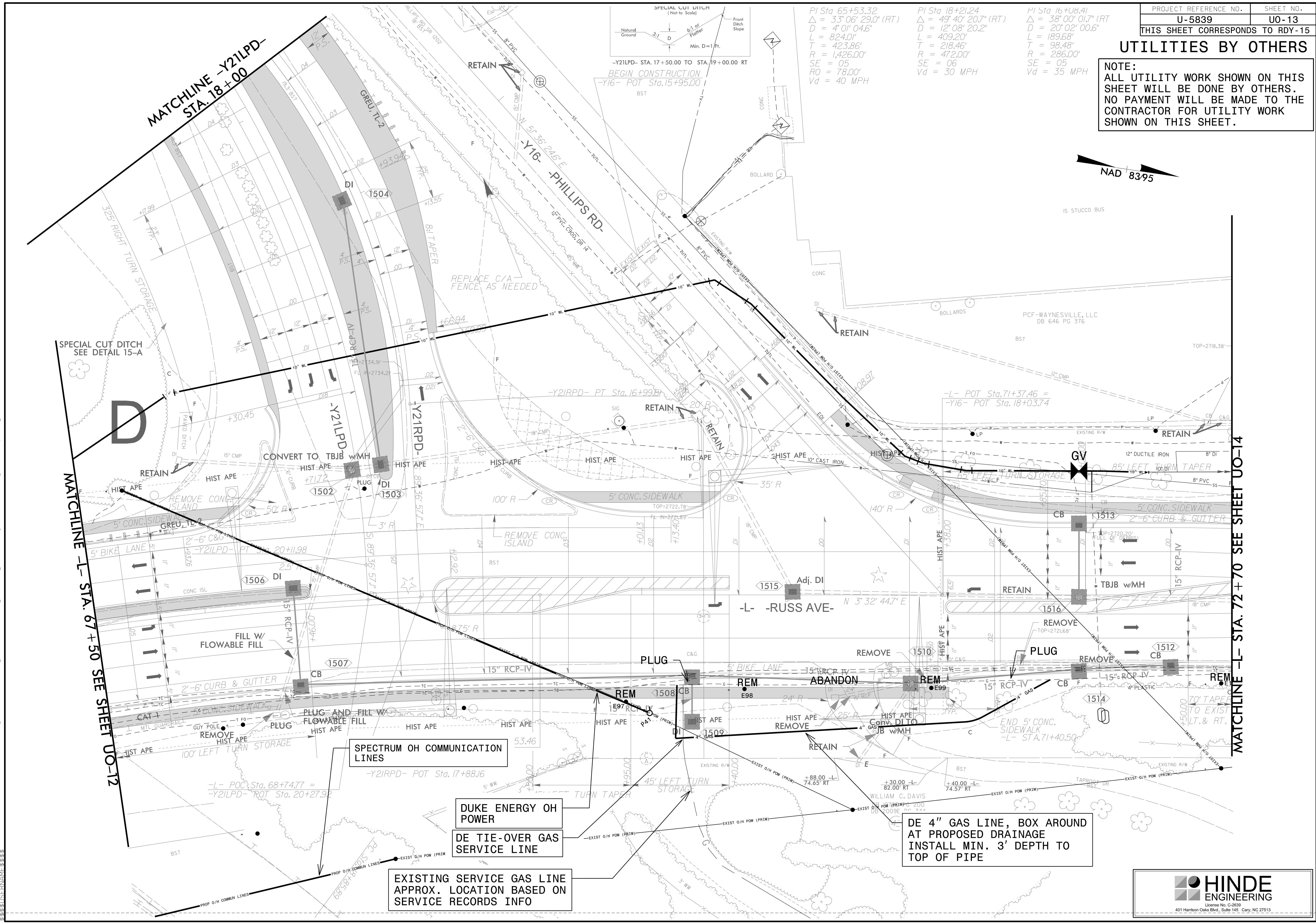
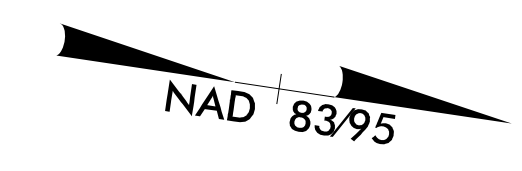
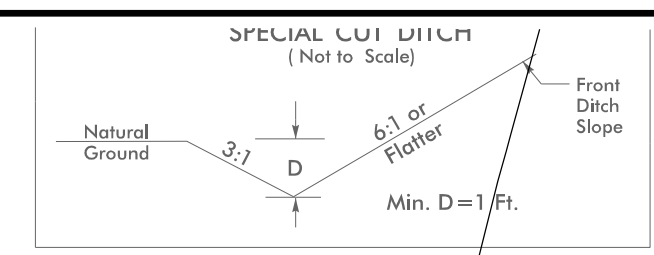
MATCHLINE -L- STA. 67+50 SEE SHEET UO-13

03-MAR-2023 10:01 AM C:\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\Pro\U5839_Ut_rdy14_UO12_psh.dgn

UTILITIES BY OTHERS

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

PI Sta 65+53.32 $\Delta = 33^{\circ}06'29.0"$ (RT) $D = 4^{\circ}01'04.6"$ $L = 824.01'$ $T = 423.86'$ $R = 1,426.00'$ $SE = 05$ $RO = 78.00'$ $Vd = 40$ MPH	PI Sta 18+21.24 $\Delta = 49^{\circ}40'20.7"$ (RT) $D = 12^{\circ}08'20.2"$ $L = 409.20'$ $T = 218.46'$ $R = 472.00'$ $SE = 06$ $Vd = 30$ MPH	PI Sta 16+08.41 $\Delta = 38^{\circ}00'01.7"$ (RT) $D = 20^{\circ}02'00.6"$ $L = 189.68'$ $T = 98.48'$ $R = 286.00'$ $SE = 05$ $Vd = 35$ MPH
--	--	---



REVISIONS

U:\5839\Projects\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\U5839_Ut_rdy\15_U013_psh.dgn
 25-MAR-2017 10:01 AM
 2015\A2015803\00_Mulkey - U-5839\Projects\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\U5839_Ut_rdy\15_U013_psh.dgn

MATCHLINE -L- STA. 67+50 SEE SHEET UO-12

MATCHLINE -L- STA. 72+70 SEE SHEET UO-14

SPECTRUM OH COMMUNICATION LINES
 -Y21RPD- POT Sta. 17+88.16

DUKE ENERGY OH POWER
 DE TIE-OVER GAS SERVICE LINE

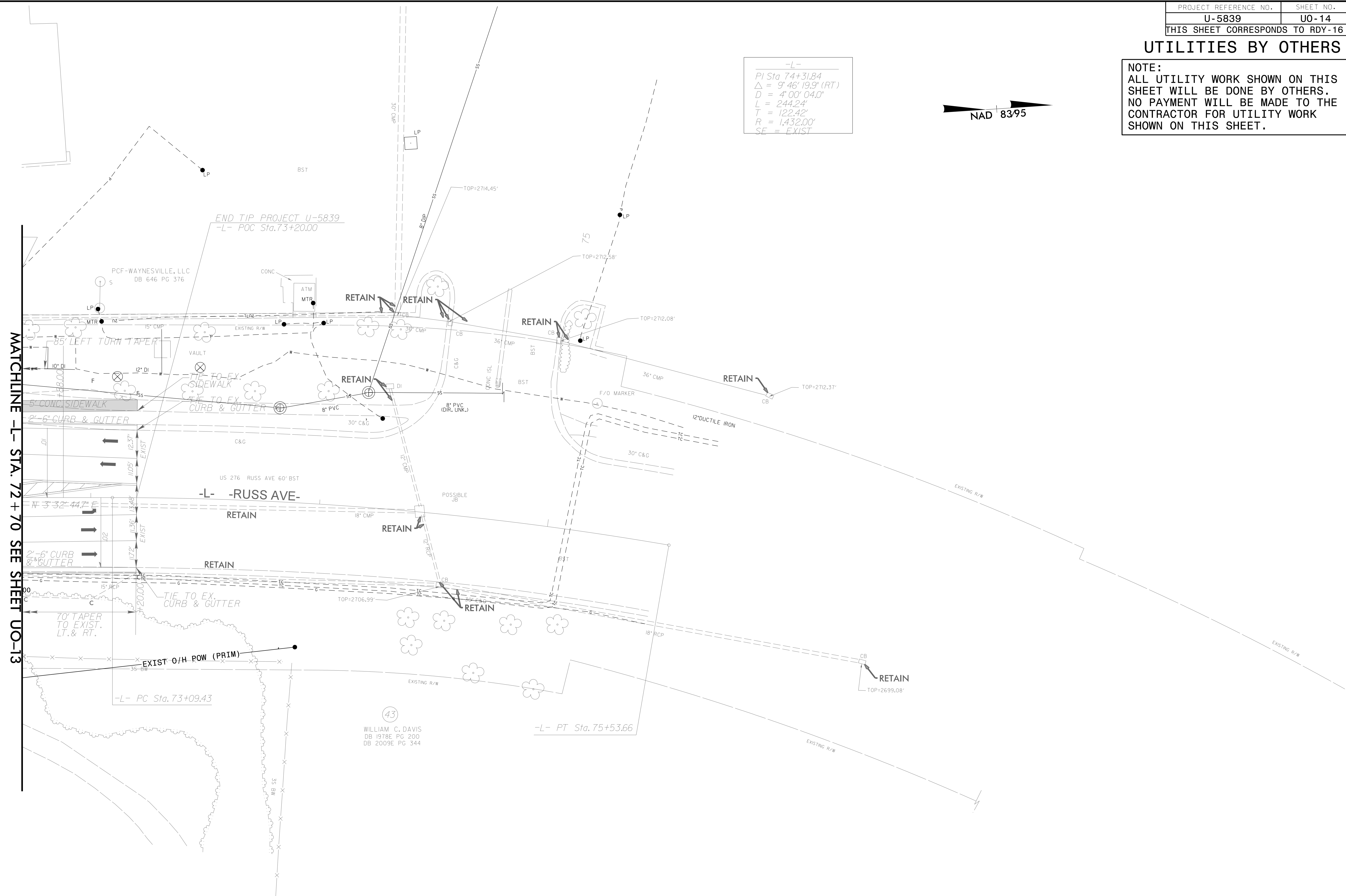
EXISTING SERVICE GAS LINE APPROX. LOCATION BASED ON SERVICE RECORDS INFO

DE 4" GAS LINE, BOX AROUND AT PROPOSED DRAINAGE INSTALL MIN. 3' DEPTH TO TOP OF PIPE

UTILITIES BY OTHERS

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

-L-
 PI Sta. 74+31.84
 $\Delta = 9^{\circ} 46' 19.9" (RT)$
 $D = 4^{\circ} 00' 04.0"$
 $L = 244.24'$
 $T = 122.42'$
 $R = 1,432.00'$
 SE = EXIST



MATCHLINE -L- STA. 72 + 70 SEE SHEET UO-13

END TIP PROJECT U-5839
 -L- POC Sta. 73+20.00

-L- PC Sta. 73+09.43

-L- PT Sta. 75+53.66

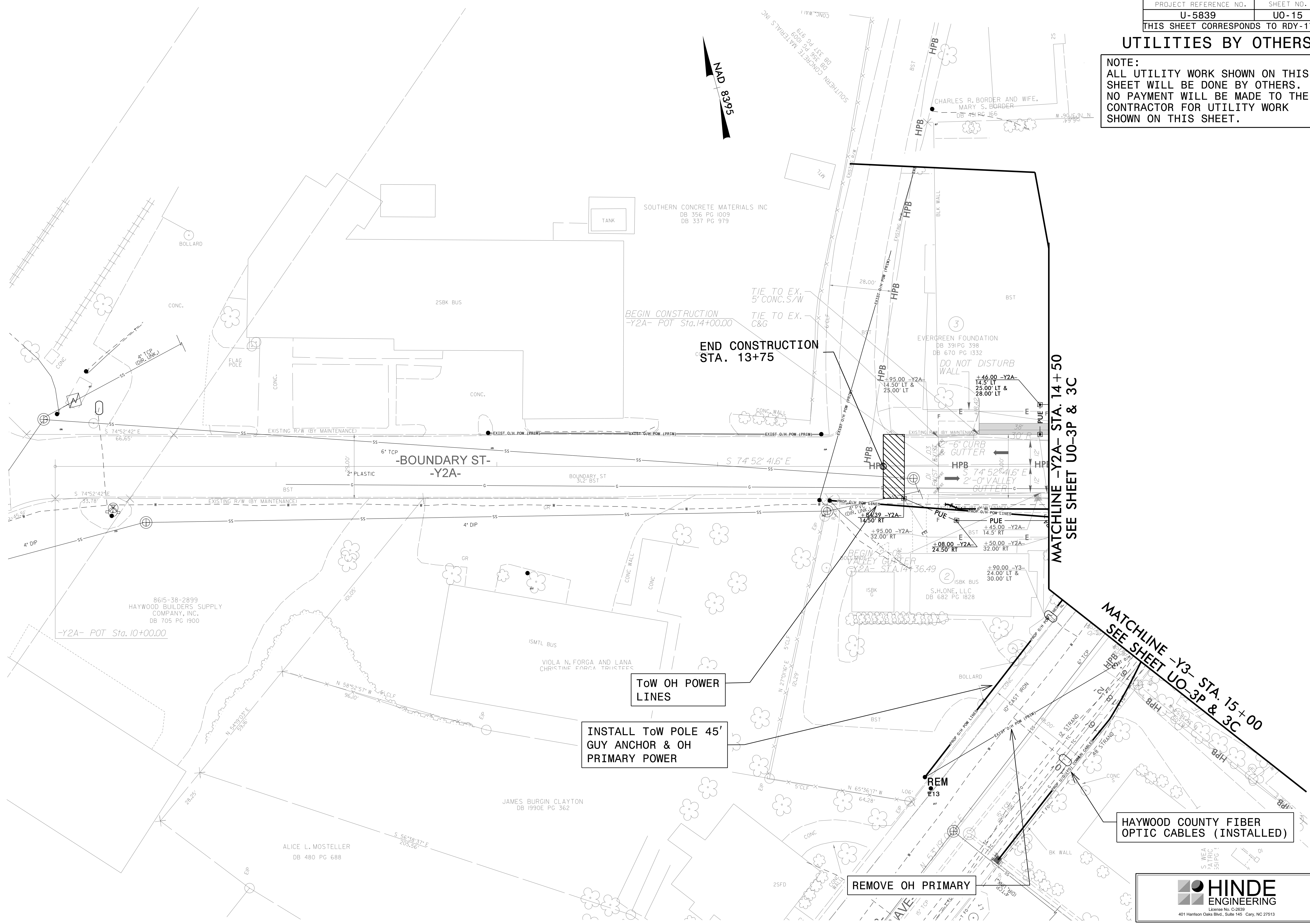
43
 WILLIAM C. DAVIS
 DB 1978E PG 200
 DB 2009E PG 344

09-MAR-2023 18:01
 S:\ServiceFiles\PROJECTS\2015\A2015803.00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\U05839_Ut_dj16_U014_psh.dgn
 \$\$\$\$SUSTAINABLE\$\$\$\$

UTILITIES BY OTHERS

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

8/17/99
 C:\MAR-2023\18-C\3\Server Files\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\U05839_Ut_r.dwg U015_psh.dgn
 \$\$\$\$\$\$
 \$\$\$\$\$\$



**END CONSTRUCTION
 STA. 13+75**

**BEGIN CONSTRUCTION
 -Y2A- POT Sta. 14+00.00**

**-BOUNDARY ST-
 -Y2A-**

**MATCHLINE -Y2A- STA. 14+50
 SEE SHEET U0-3P & 3C**

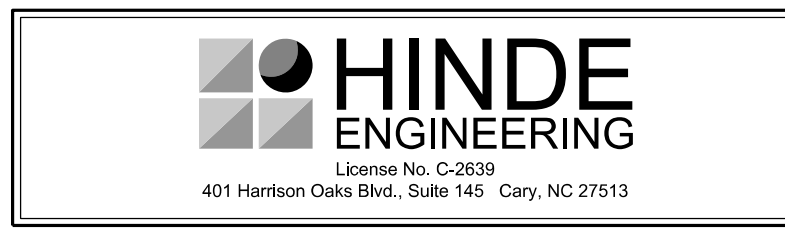
**MATCHLINE -Y3- STA. 15+00
 SEE SHEET U0-3P & 3C**

**ToW OH POWER
 LINES**

**INSTALL ToW POLE 45'
 GUY ANCHOR & OH
 PRIMARY POWER**

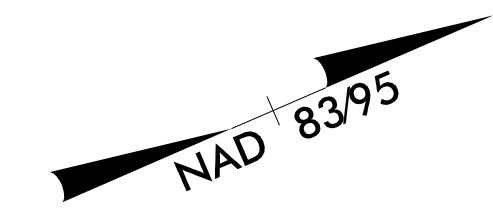
REMOVE OH PRIMARY

**HAYWOOD COUNTY FIBER
 OPTIC CABLES (INSTALLED)**



UTILITIES BY OTHERS

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



MATCHLINE -Y18- STA. 11+50 SEE SHEET UO-7

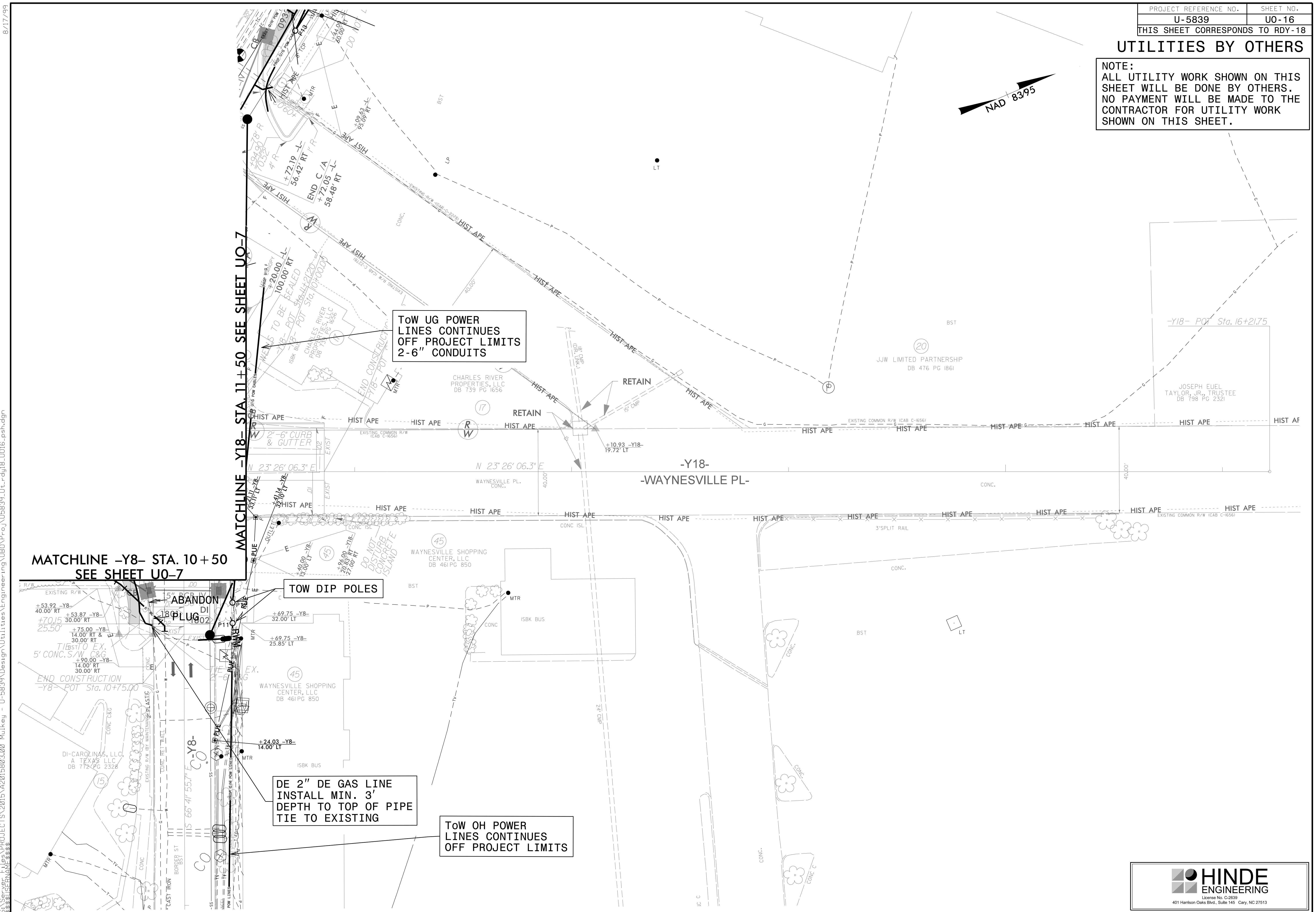
MATCHLINE -Y8- STA. 10+50
SEE SHEET UO-7

TOW UG POWER LINES CONTINUES OFF PROJECT LIMITS 2-6" CONDUITS

TOW DIP POLES

DE 2" DE GAS LINE INSTALL MIN. 3' DEPTH TO TOP OF PIPE TIE TO EXISTING

TOW OH POWER LINES CONTINUES OFF PROJECT LIMITS

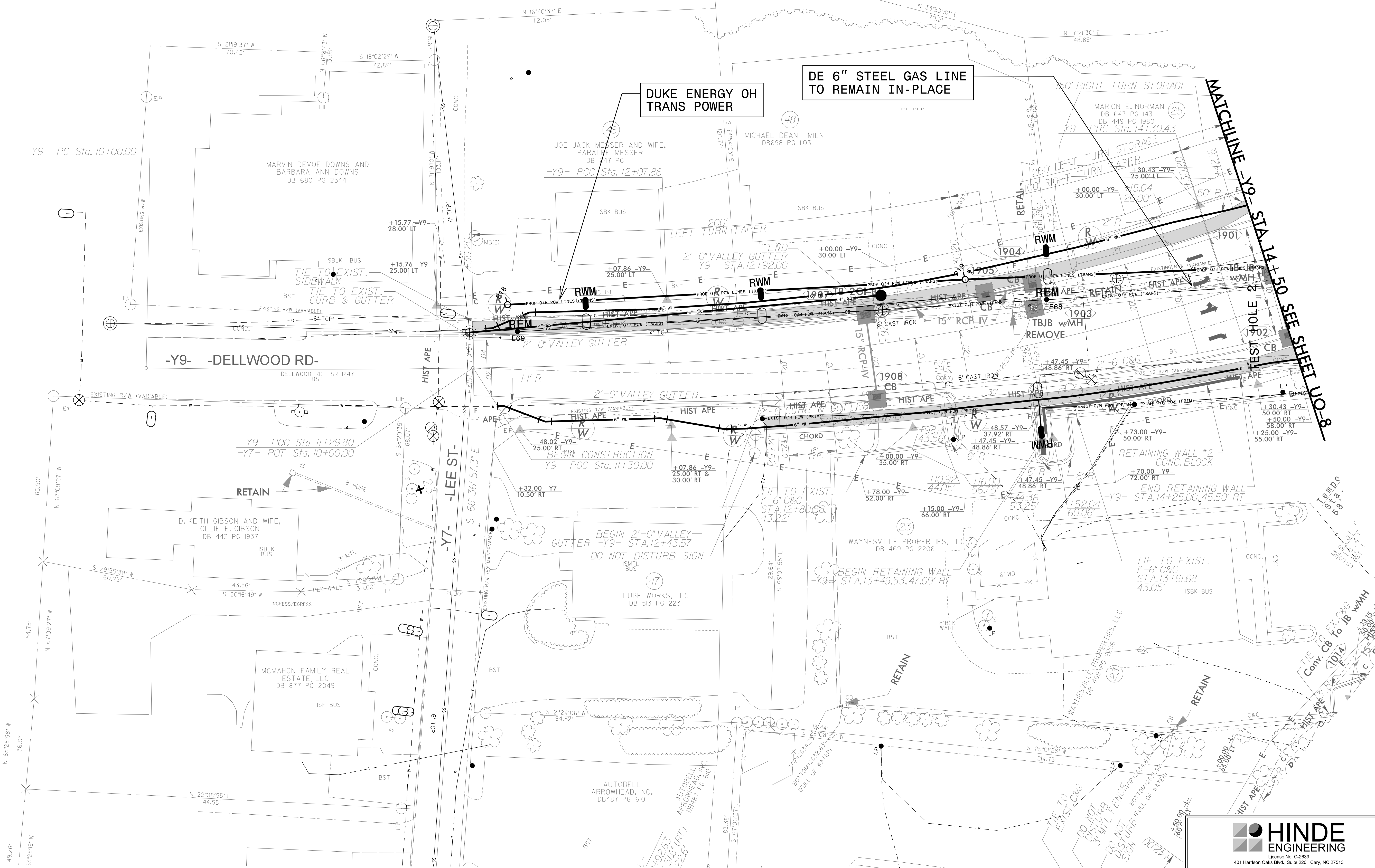
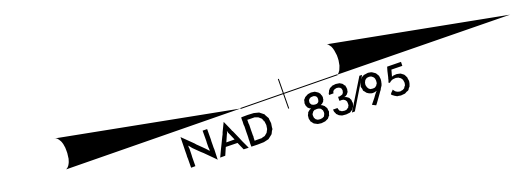


09-MAR-2023 18:02 S:\Service Files\PROJECTS\2015\A2015803.00 Mulkey - U-5839\Design\Utilities\Engineering\U00\ProJ\U5839_Ut_rdy18_U016_psh.dgn
 8/17/99

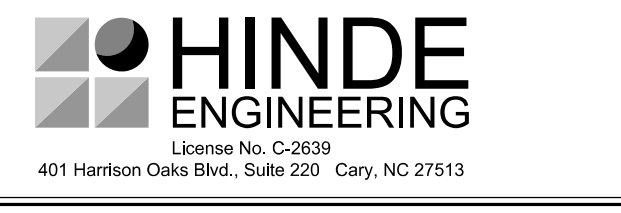
UTILITIES BY OTHERS

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

-Y9-	-Y9-	-Y9-
PI Sta 11+03.95	PI Sta 13+19.87	PI Sta 15+48.02
$\Delta = 3^{\circ} 04' 15.7''$ (LT)	$\Delta = 15^{\circ} 56' 26.3''$ (LT)	$\Delta = 35^{\circ} 10' 22.8''$ (RT)
D = 1' 28" 38.8"	D = 7' 09" 43.1"	D = 15' 26' 37.0"
L = 207.86'	L = 222.57'	L = 227.75'
T = 103.95'	T = 112.01'	T = 117.59'
R = 3,878.00'	R = 800.00'	R = 371.00'
SE = EXIST	SE = 04	SE = 35 MPH
	Vd = 35 MPH	Vd = 35 MPH



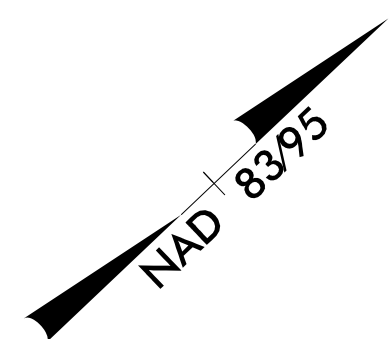
09-MAR-2023 18:02 C:\Server\Projects\2015\A2015803.00 Mulkey - U-5839\Utilities\Engineering\UBD\Pro\U05839_Ut_rdy19_U017_psh.dgn
 \$\$\$\$
 \$\$\$\$
 \$\$\$\$
 \$\$\$\$



UTILITIES BY OTHERS

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

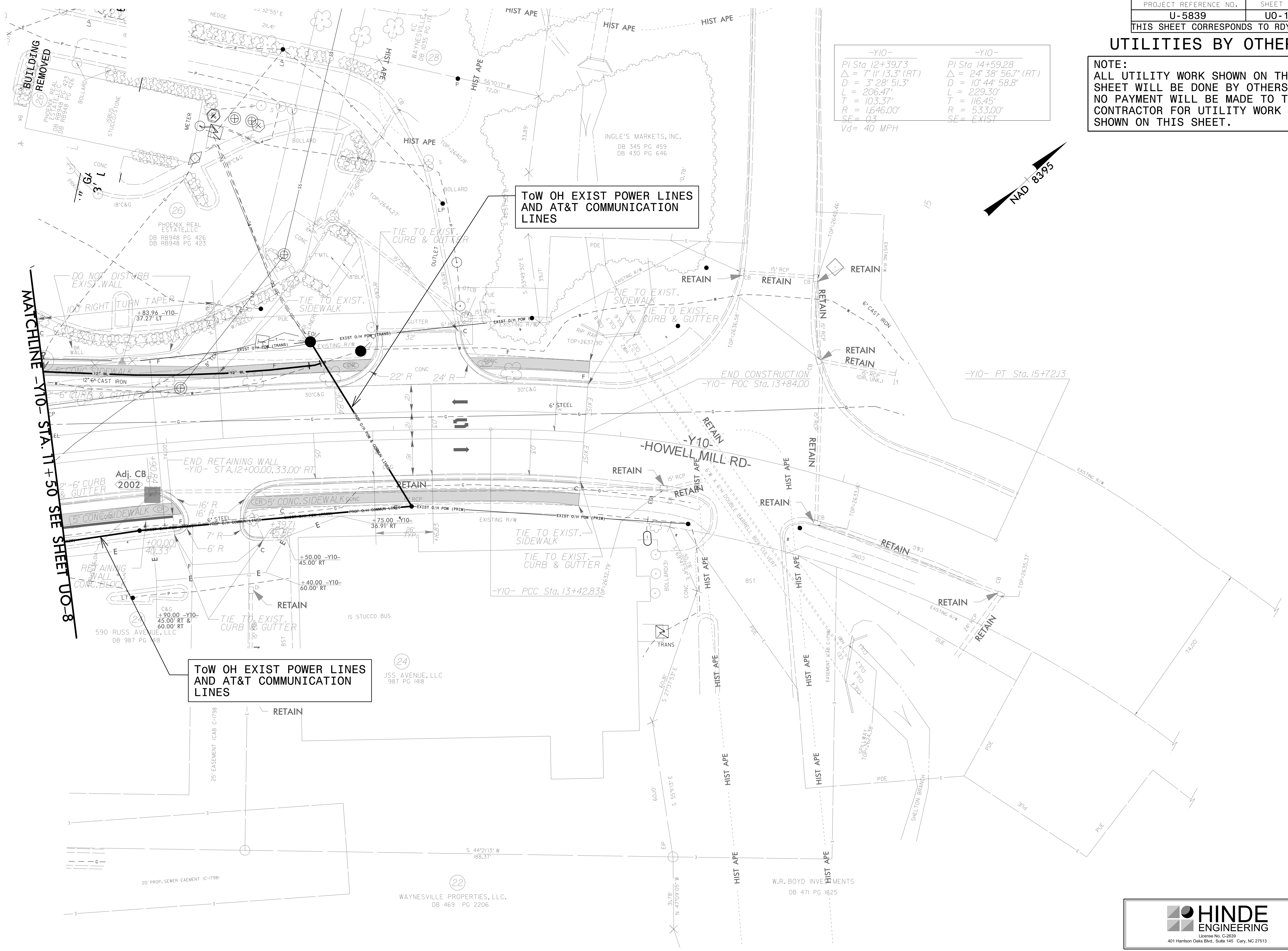
-Y10-	-Y10-
PI Sta 12+39.73	PI Sta 14+59.28
$\Delta = 7' 11" 13.3" (RT)$	$\Delta = 24' 38" 56.7" (RT)$
$D = 3' 28' 51.3"$	$D = 10' 44' 58.8"$
$L = 206.47'$	$L = 229.30'$
$T = 103.37'$	$T = 116.45'$
$R = 1,646.00'$	$R = 533.00'$
$SE = 0.3$	$SE = EXIST$
$Vd = 40 MPH$	



ToW OH EXIST POWER LINES AND AT&T COMMUNICATION LINES

ToW OH EXIST POWER LINES AND AT&T COMMUNICATION LINES

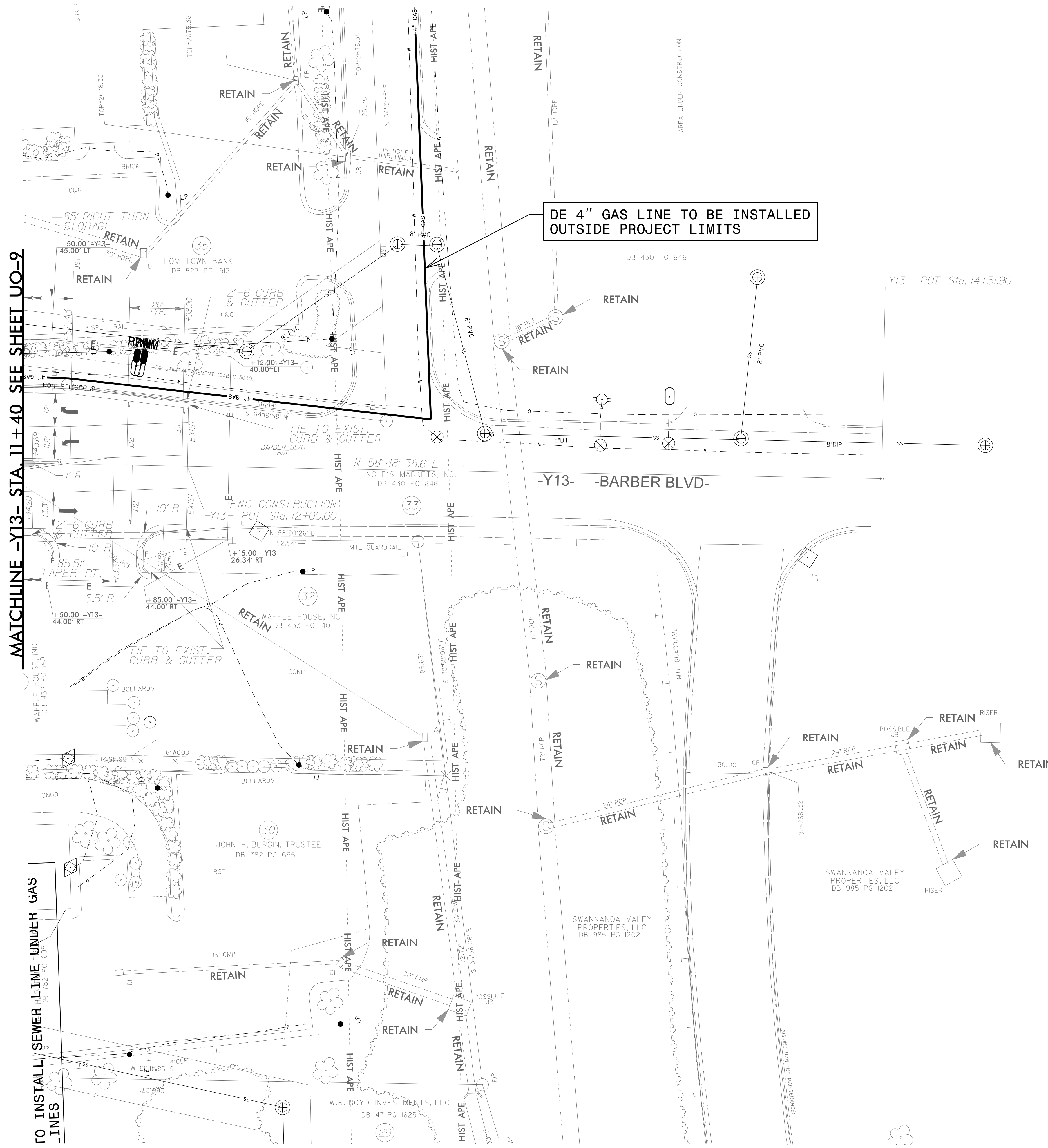
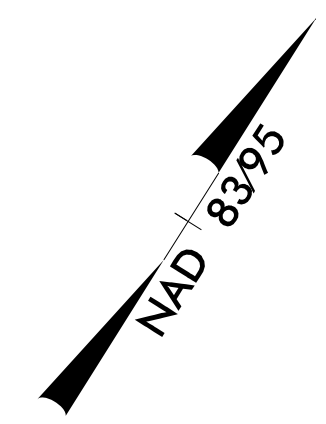
MATCHLINE -Y10- STA. 11 + 50 SEE SHEET UO-8



09-MAR-2023 18:02 S:\ServiceFiles\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\U5839_Ut_dj20_U018_psh.dgn 8/17/19

UTILITIES BY OTHERS

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



DE 4" GAS LINE TO BE INSTALLED OUTSIDE PROJECT LIMITS

MATCHLINE -Y13- STA. 11+40 SEE SHEET U0-9

TO INSTALL SEWER LINE UNDER GAS LINES

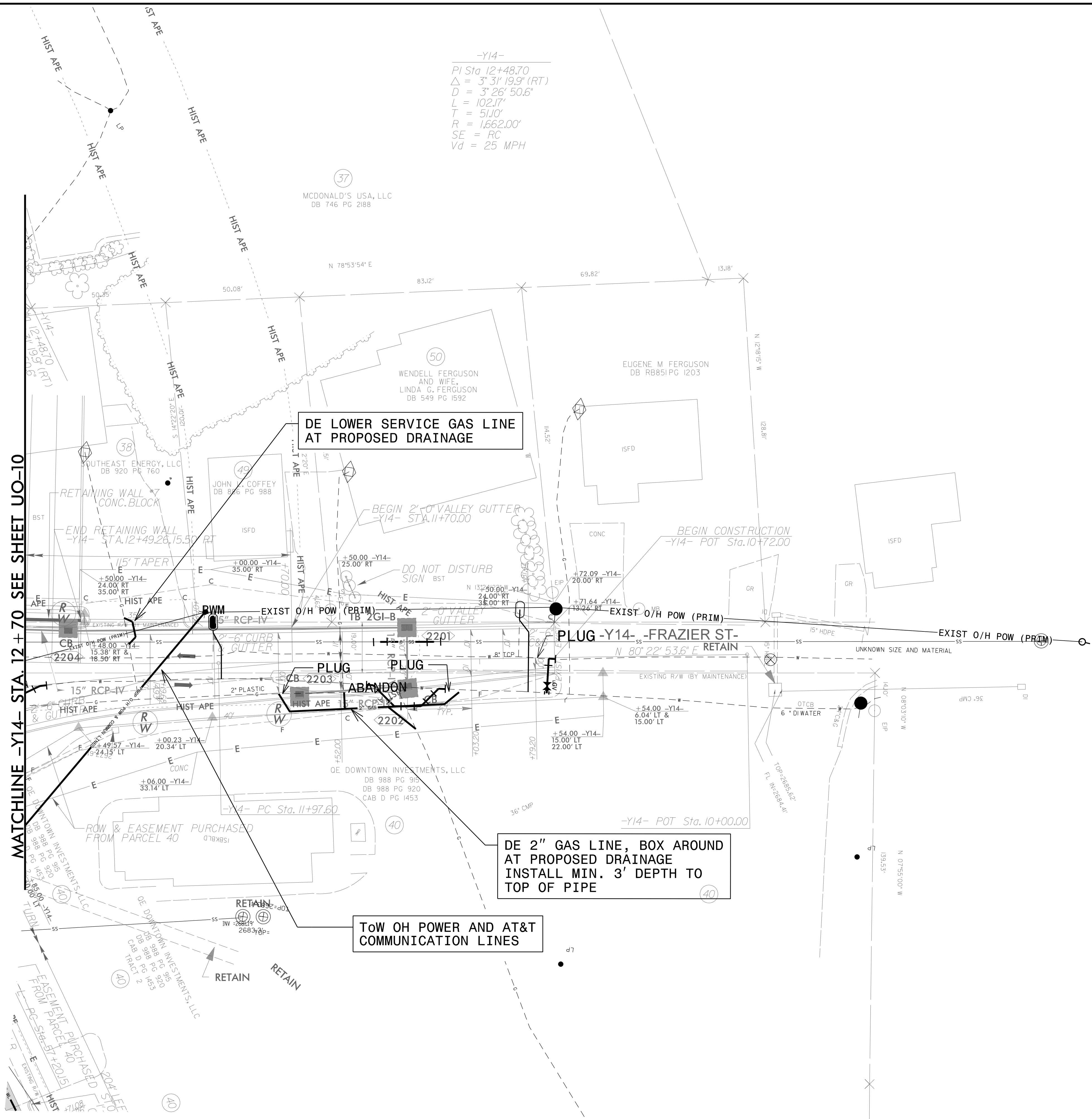
09-MAR-2023 18:02 S:\Projects\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\U05839_Ut_dj21_U019_psh.dgn
 8/17/99

UTILITIES BY OTHERS

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



-Y14-
 PI Sta 12+48.70
 $\Delta = 3^{\circ} 31' 19.9" (RT)$
 $D = 3^{\circ} 26' 50.6"$
 $L = 102.17'$
 $T = 51.10'$
 $R = 1,662.00'$
 $SE = RC$
 $Vd = 25 MPH$



MATCHLINE -Y14- STA. 12 + 70 SEE SHEET U0-10

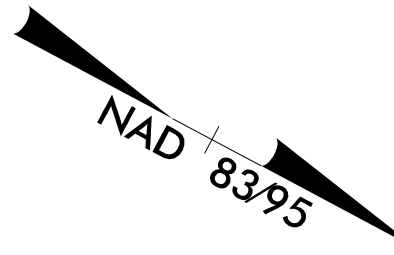
DE LOWER SERVICE GAS LINE
 AT PROPOSED DRAINAGE

DE 2" GAS LINE, BOX AROUND
 AT PROPOSED DRAINAGE
 INSTALL MIN. 3' DEPTH TO
 TOP OF PIPE

To OH POWER AND AT&T
 COMMUNICATION LINES

C:\MAR-2023\18-C\PROJECTS\2015\A20158003.00_Mulkey - U-5839\Design\Utilities\Engineering\UB00\ProJ\U020-U020.psh.dgn
 2023.03.15 10:53:38 AM
 388.51 Kbytes

VERIFY THE ELEVATIONS FROM THE SEALED TEST HOLE REPORTS. DO NOT USE THE INFORMATION PROVIDED ON THESE PLANS FOR CONSTRUCTION. THE TEST HOLE PLANS WERE INCLUDED IN THE UBO PLANS FOR A QUICK REFERENCE ONLY.



MATCHLINE -Y3- STA. 15+00 SEE SHEET

MATCHLINE -Y2A- STA. 14+50 SEE SHEET

MATCHLINE -L- STA. 14+50 SEE SHEET

MATCHLINE -L- STA. 19+25 SEE SHEET TH-22

TH 35
 N 658995.4600
 E 814023.3320
 GROUND ELEV. 2661.15
 (AT&T DUCT BANK)
 TOP ELEV. 2655.87
 TOP 5.28' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2654.32
 BOTTOM 6.83' BELOW
 EXIST. GROUND

TH 34
 N 659057.6825
 E 814062.7145
 GROUND ELEV. 2659.64
 (AT&T DUCT BANK)
 TOP ELEV. 2655.48
 TOP 4.16' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2653.93
 BOTTOM 5.71' BELOW
 EXIST. GROUND

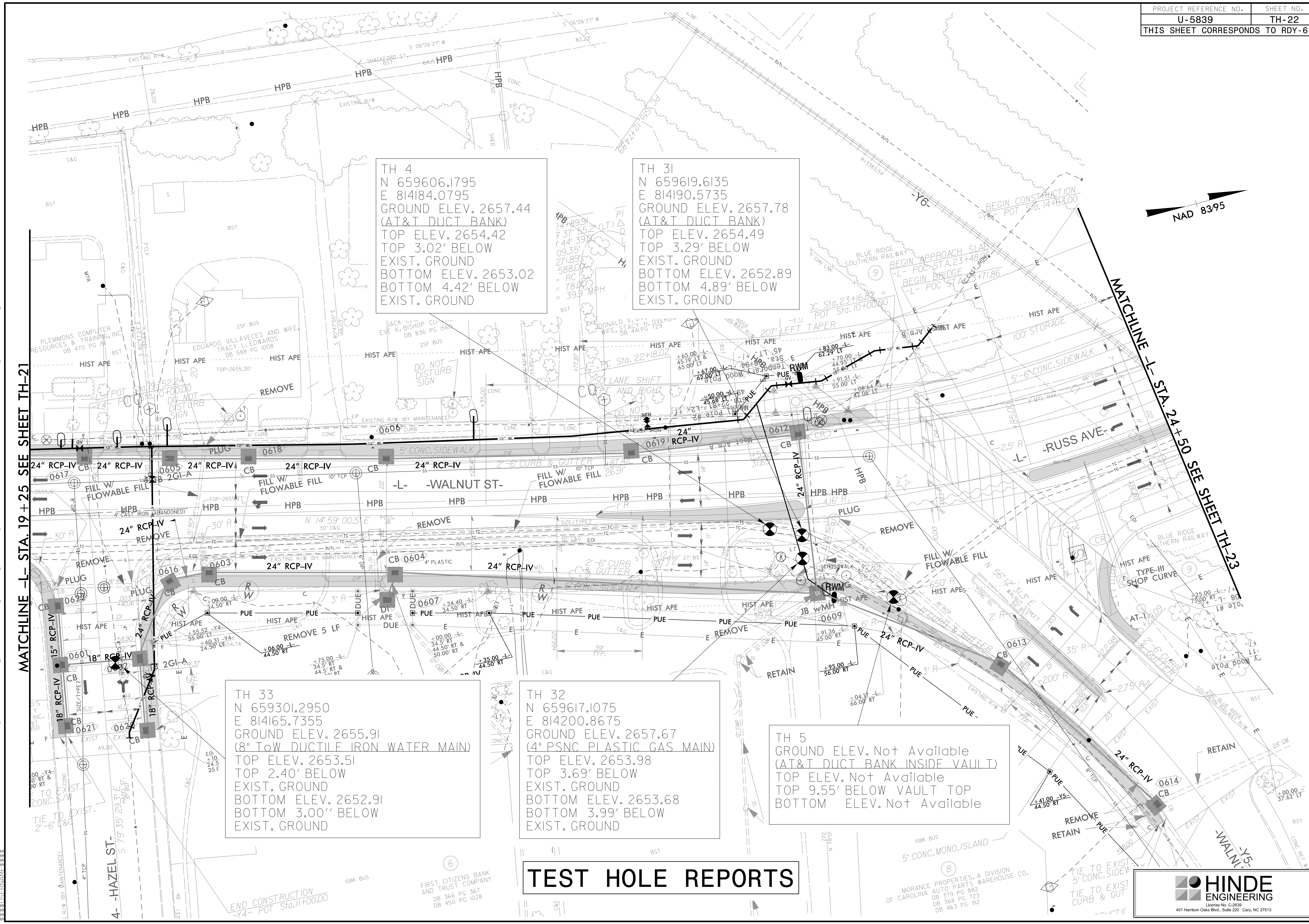
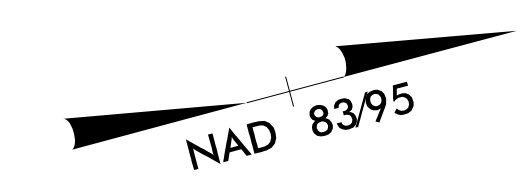
TH 3
 N 659240.8370
 E 814097.9005
 GROUND ELEV. 2656.62
 (AT&T DUCT BANK)
 TOP ELEV. 2653.36
 TOP 3.26' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2651.96
 BOTTOM 4.66' BELOW
 EXIST. GROUND

TH 36
 N 659056.6335
 E 814068.3560
 GROUND ELEV. 2659.81
 (AT&T DUCT BANK)
 TOP ELEV. 2656.58
 TOP 3.23' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2655.78
 BOTTOM 4.03' BELOW
 EXIST. GROUND

TH 2
 N 659126.6020
 E 814071.5900
 GROUND ELEV. 2657.70
 (AT&T DUCT BANK)
 TOP ELEV. 2654.05
 TOP 3.65' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2652.65
 BOTTOM 5.05' BELOW
 EXIST. GROUND

TEST HOLE REPORTS

8/17/99
 U-5839-Design\Utilities\Engineering\UBO\Proj\UBO_Sheets_With_Test_Holes\U5839_Ut_rdy5_TH21_psh.dgn
 22-MAR-2023 06:46
 PROJECTS\2015\A2015803.00 Mulkey - U-5839-Design\Utilities\Engineering\UBO\Proj\UBO_Sheets_With_Test_Holes\U5839_Ut_rdy5_TH21_psh.dgn



TH 4
 N 659606.1795
 E 814184.0795
 GROUND ELEV. 2657.44
 (AT&T DUCT BANK)
 TOP ELEV. 2654.42
 TOP 3.02' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2653.02
 BOTTOM 4.42' BELOW
 EXIST. GROUND

TH 31
 N 659619.6135
 E 814190.5735
 GROUND ELEV. 2657.78
 (AT&T DUCT BANK)
 TOP ELEV. 2654.49
 TOP 3.29' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2652.89
 BOTTOM 4.89' BELOW
 EXIST. GROUND

TH 33
 N 659301.2950
 E 814165.7355
 GROUND ELEV. 2655.91
 (8" TO W DUCTILE IRON WATER MAIN)
 TOP ELEV. 2653.51
 TOP 2.40' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2652.91
 BOTTOM 3.00' BELOW
 EXIST. GROUND

TH 32
 N 659617.1075
 E 814200.8675
 GROUND ELEV. 2657.67
 (4" PSNC PLASTIC GAS MAIN)
 TOP ELEV. 2653.98
 TOP 3.69' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2653.68
 BOTTOM 3.99' BELOW
 EXIST. GROUND

TH 5
 GROUND ELEV. Not Available
 (AT&T DUCT BANK INSIDE VAULT)
 TOP ELEV. Not Available
 TOP 9.55' BELOW VAULT TOP
 BOTTOM ELEV. Not Available

TEST HOLE REPORTS

22-MAR-2023 06:47 U:\5839\Projects\2015\A2015803\00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\UBD_Sheets With Test Holes\U5839_Ut_rdy6_Th22_psh.dgn

TH 30
 N 660065.8540
 E 814026.7410
 GROUND ELEV. 2644.28
 (12" TOW DUCTILE IRON WATER MAIN)
 TOP ELEV. 2641.15
 TOP 3.13' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2640.15
 BOTTOM 4.13' BELOW
 EXIST. GROUND

PI Sta. 24+89.91
 $\Delta = 49^\circ 37' 55.2" (LT)$
 $D = 9' 44' 39.0"$
 $L = 509.35'$
 $T = 271.89'$
 $R = 588.00'$
 $SE = RC$
 $RO = 78.00'$
 $*Vd = 40 MPH$

TH 6
 N 660223.3420
 E 814004.6930
 GROUND ELEV. 2636.35
 (AT&T DUCT BANK)
 TOP ELEV. 2629.23
 TOP 7.13' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2627.83
 BOTTOM 8.53' BELOW
 EXIST. GROUND

TEST HOLE REPORTS

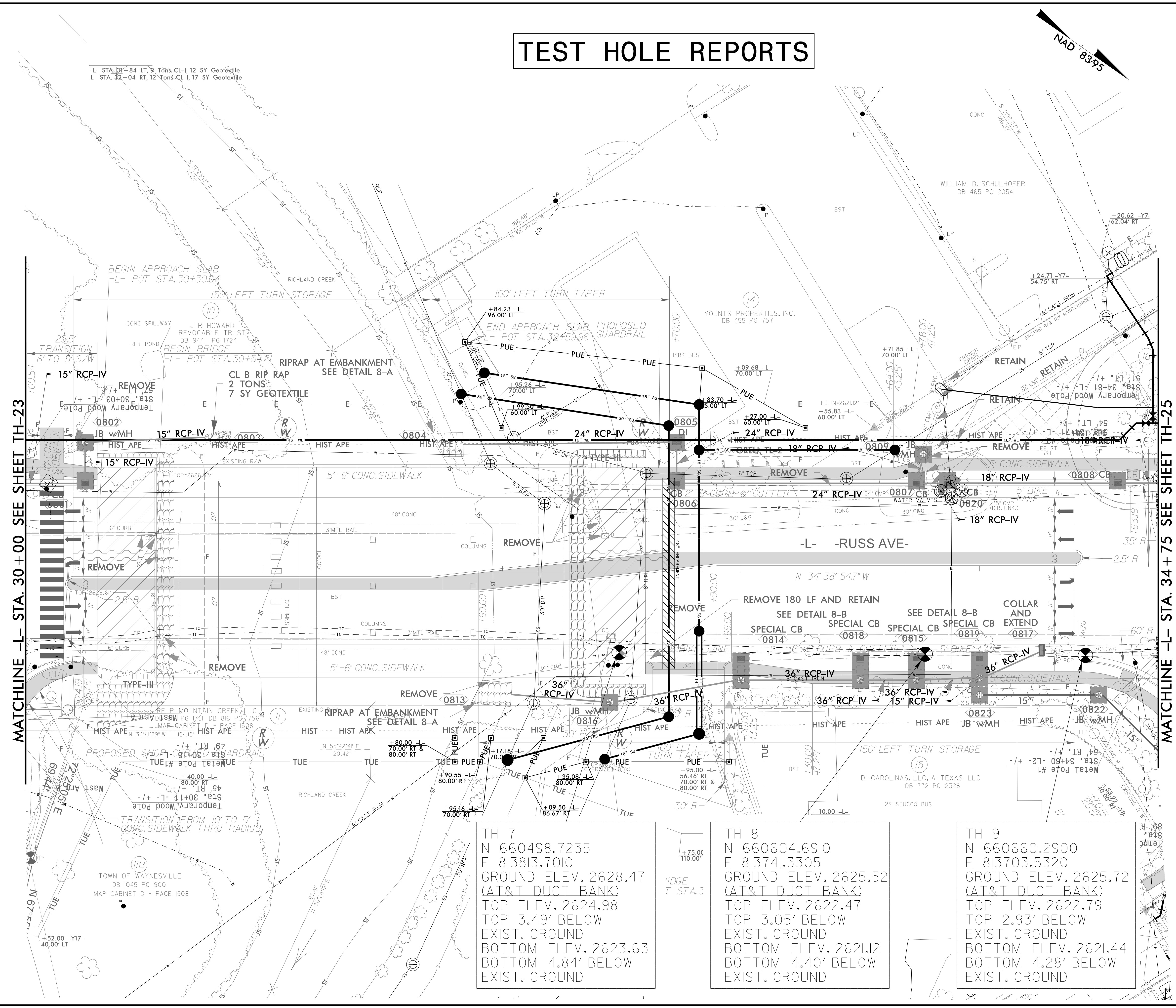
MATCHLINE -L- STA. 24+50 SEE SHEET TH-22

MATCHLINE -L- STA. 30+00 SEE SHEET TH-24

ZONING: RA-RC-C
 ZONING: WS-NF

22-MAR-2023 10:48:58 U:\PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\UBD_Sheets With Test Holes\U5839_Ut_rdy7_Th23_psh.dgn

TEST HOLE REPORTS



TH 7
 N 660498.7235
 E 813813.7010
 GROUND ELEV. 2628.47
 (AT&T DUCT BANK)
 TOP ELEV. 2624.98
 TOP 3.49' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2623.63
 BOTTOM 4.84' BELOW
 EXIST. GROUND

TH 8
 N 660604.6910
 E 813741.3305
 GROUND ELEV. 2625.52
 (AT&T DUCT BANK)
 TOP ELEV. 2622.47
 TOP 3.05' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2621.12
 BOTTOM 4.40' BELOW
 EXIST. GROUND

TH 9
 N 660660.2900
 E 813703.5320
 GROUND ELEV. 2625.72
 (AT&T DUCT BANK)
 TOP ELEV. 2622.79
 TOP 2.93' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2621.44
 BOTTOM 4.28' BELOW
 EXIST. GROUND

22-MAR-2023 06:15:00 U:\Projects\2015\A2015803\00 Mulkey - U-5839\Drawings\Engineering\UBD\Pro\UBD Sheets With Test Holes\U5839_Ut_rdy8_TH24_psh.dgn

TEST HOLE REPORTS

TH 28
 N 660820.0095
 E 813588.0815
 GROUND ELEV. 2626.33
 (2" PSNC PLASTIC GAS MAIN)
 TOP ELEV. 2624.10
 TOP 2.23' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2624.00
 BOTTOM 2.33' BELOW
 EXIST. GROUND

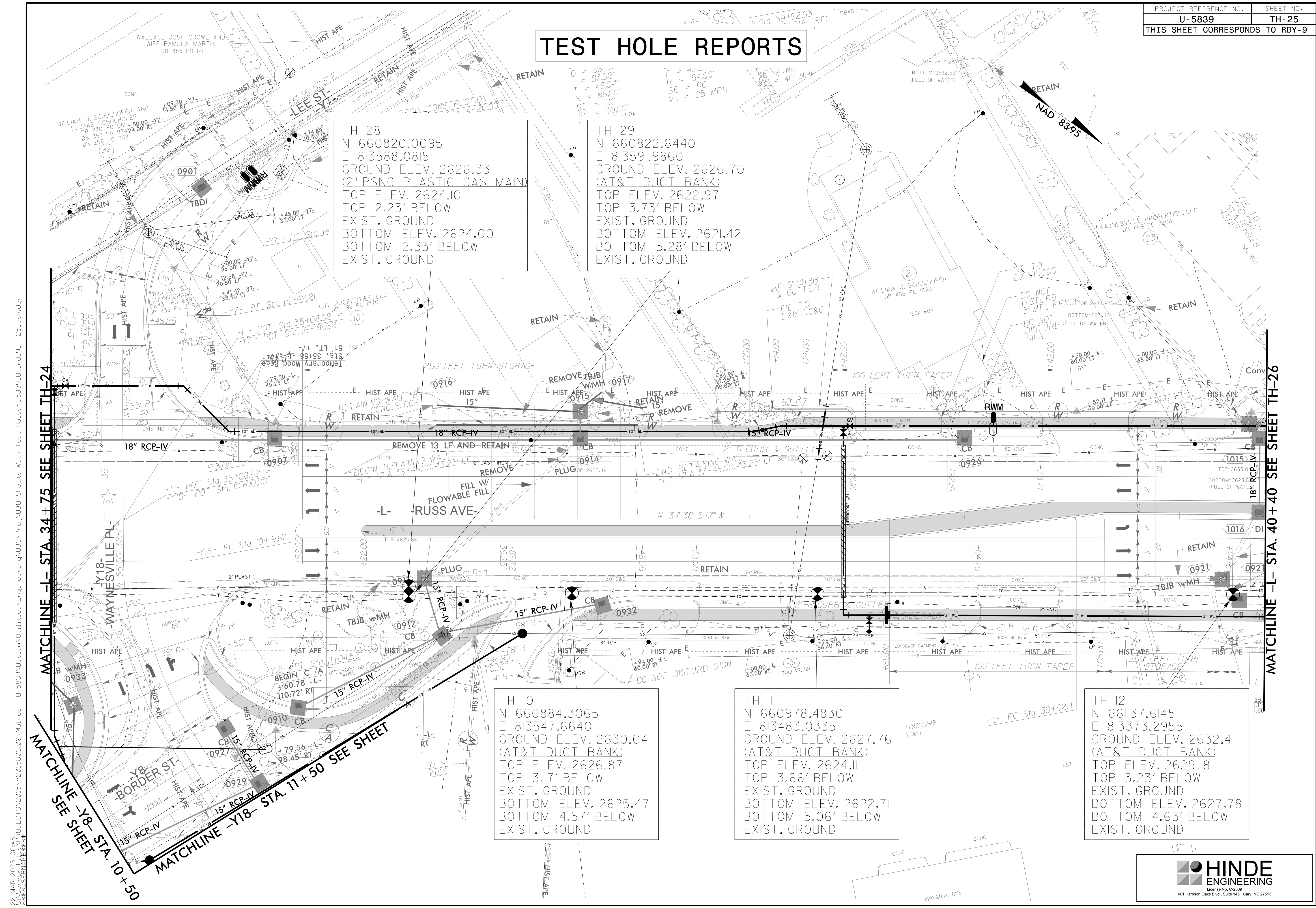
TH 29
 N 660822.6440
 E 813591.9860
 GROUND ELEV. 2626.70
 (AT&T DUCT BANK)
 TOP ELEV. 2622.97
 TOP 3.73' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2621.42
 BOTTOM 5.28' BELOW
 EXIST. GROUND

TH 10
 N 660884.3065
 E 813547.6640
 GROUND ELEV. 2630.04
 (AT&T DUCT BANK)
 TOP ELEV. 2626.87
 TOP 3.17' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2625.47
 BOTTOM 4.57' BELOW
 EXIST. GROUND

TH 11
 N 660978.4830
 E 813483.0335
 GROUND ELEV. 2627.76
 (AT&T DUCT BANK)
 TOP ELEV. 2624.11
 TOP 3.66' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2622.71
 BOTTOM 5.06' BELOW
 EXIST. GROUND

TH 12
 N 661137.6145
 E 813373.2955
 GROUND ELEV. 2632.41
 (AT&T DUCT BANK)
 TOP ELEV. 2629.18
 TOP 3.23' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2627.78
 BOTTOM 4.63' BELOW
 EXIST. GROUND

$D = 60.0'$
 $L = 87.62'$
 $T = 43.0'$
 $R = 154.00'$
 $SE = RC$
 $Vd = 25$ MPH
 $R = 40$ MPH
 $SE = RC$
 $Vd = 25$ MPH
 $Pd = 30.00'$



22-MAR-2023 06:48:16 U:\Projects\2015\A2015803\00_Mulkey - U-5839\Utilities\Engineering\UBD\ProJ\UBD_Sheets_With_Test_Holes\U5839_Ut_rdy_9_TH25_psh.dgn

MATCHLINE -L- STA. 34 + 75 SEE SHEET TH-24

MATCHLINE -Y8- STA. 10 + 50 SEE SHEET

MATCHLINE -Y18- STA. 11 + 50 SEE SHEET

MATCHLINE -L- STA. 40 + 40 SEE SHEET TH-26

TEST HOLE REPORTS

TH 14
 N 661430.0845
 E 813160.0945
 GROUND ELEV. 2649.38
 (AT&T DUCT BANK)
 TOP ELEV. 2647.40
 TOP 1.98' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2645.85
 BOTTOM 3.53' BELOW
 EXIST. GROUND

TH 26
 N 661448.2345
 E 813155.2345
 GROUND ELEV. 2650.60
 (2" TOW WATER MAIN)
 TOP ELEV. 2646.99
 TOP 3.61' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2646.89
 BOTTOM 3.71' BELOW
 EXIST. GROUND

TH 15
 N 661586.2480
 E 813053.2195
 GROUND ELEV. 2665.67
 (AT&T DUCT BANK)
 TOP ELEV. 2659.31
 TOP 6.36' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2657.76
 BOTTOM 7.91' BELOW
 EXIST. GROUND

TH 13
 N 661276.7180
 E 813277.2870
 GROUND ELEV. 2640.00
 (AT&T DUCT BANK)
 TOP ELEV. 2636.51
 TOP 3.49' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2634.96
 BOTTOM 5.04' BELOW
 EXIST. GROUND

4' DIA. MANHOLE A6
 +00, SEWER LINE 6
 RT OF LINE -L-
 3+20.46

8' OF 8" SANITARY
 SEWER (DI, PC 350)
 4' DIA. MANHOLE B6
 0+58, SEWER LINE 6
 68.44' RT OF LINE -L-
 STA. 43+74.79

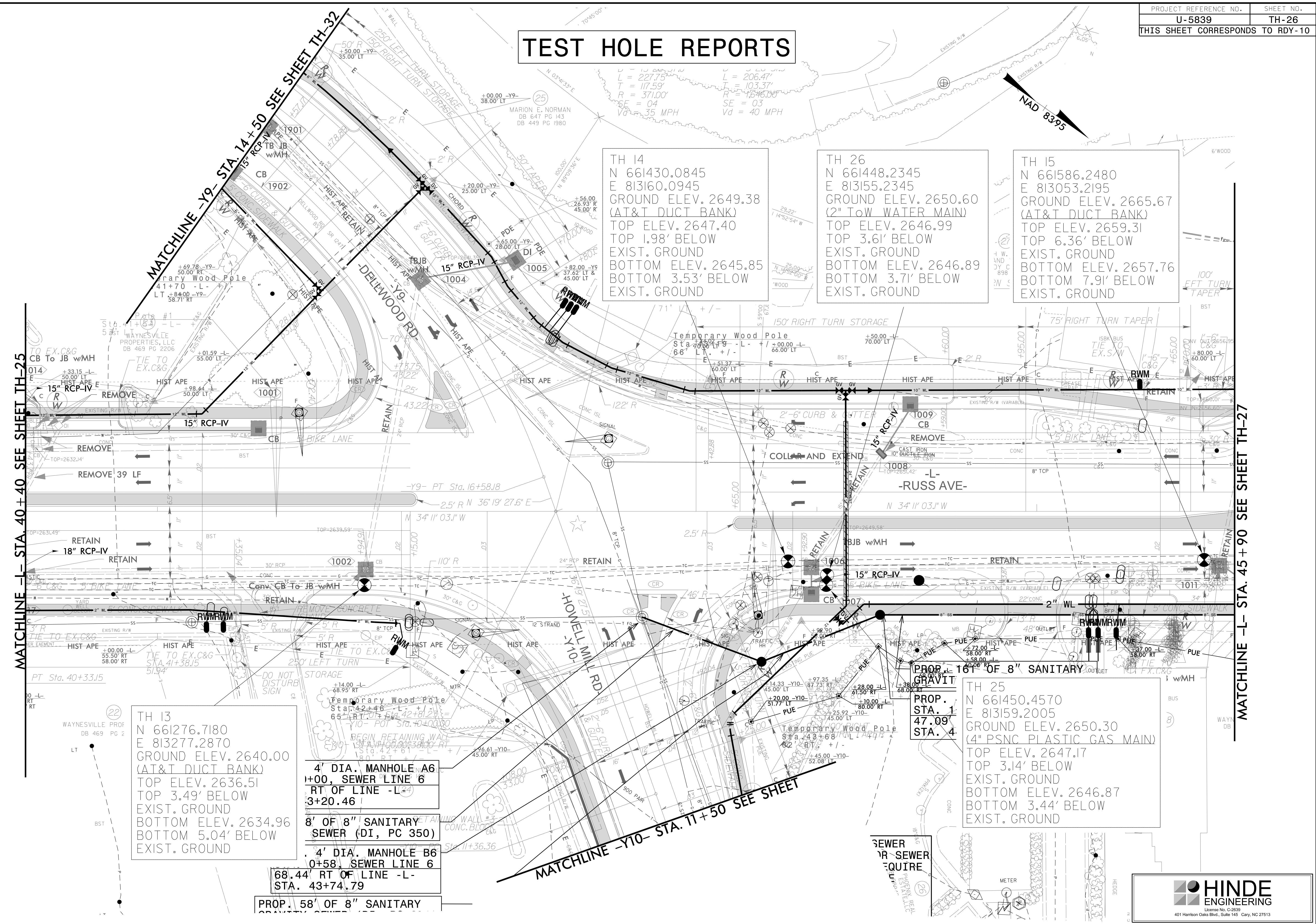
PROP. 58' OF 8" SANITARY

PROP. 161' OF 8" SANITARY
 GRAVIT.
 STA. 1
 47.09
 STA. 4

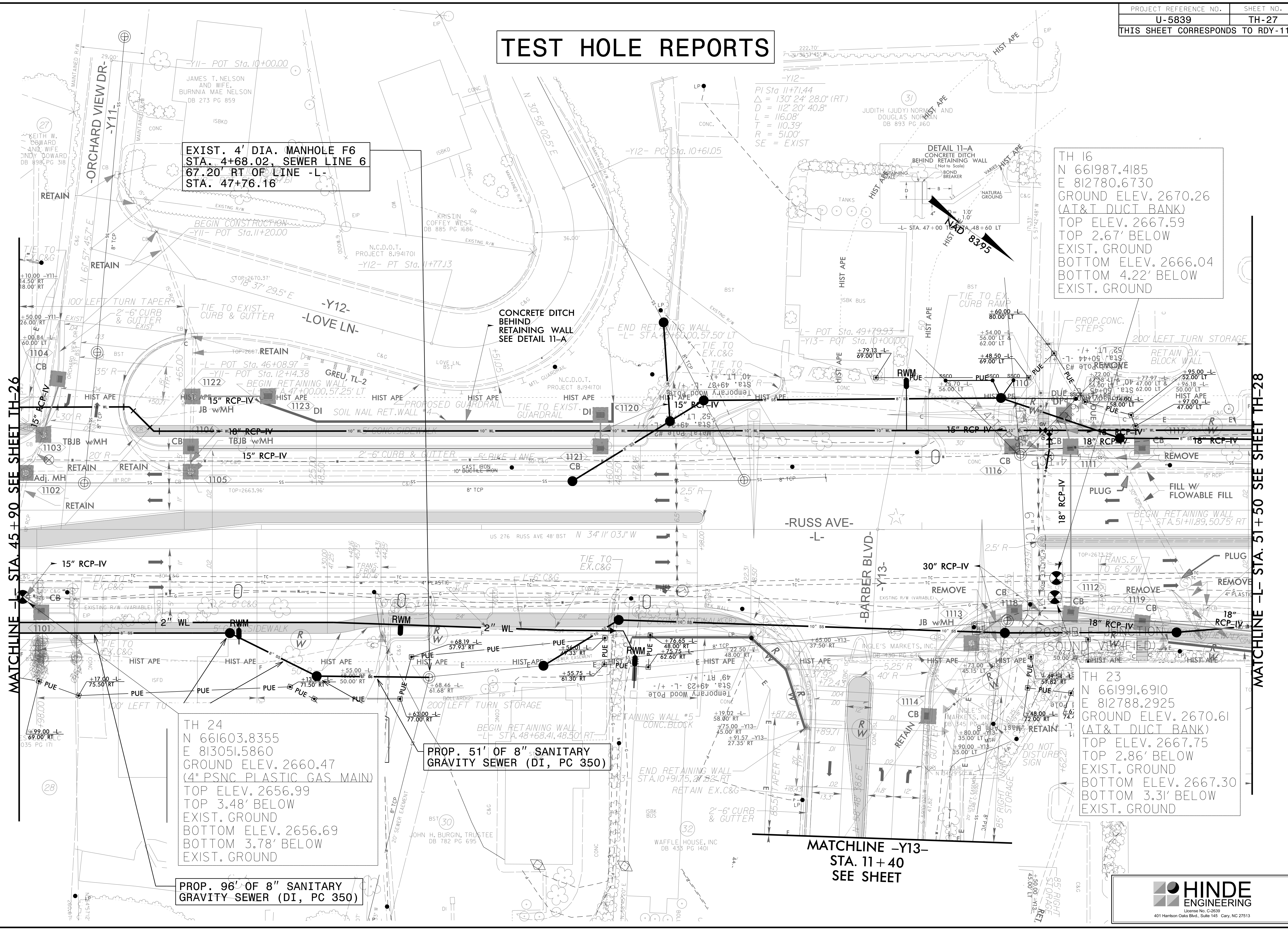
TH 25
 N 661450.4570
 E 813159.2005
 GROUND ELEV. 2650.30
 (4" PSNC PLASTIC GAS MAIN)
 TOP ELEV. 2647.17
 TOP 3.14' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2646.87
 BOTTOM 3.44' BELOW
 EXIST. GROUND

SEWER
 OR SEWER
 REQUIRE

22-MAR-2023 06:49 U:\5839\Projects\2015\A2015803\00_Mulkey - U-5839\Engineering\UBD\ProJ\UBD_Sheets With Test Holes\U5839_Ut_rdy\0_TH26_psh.dgn



TEST HOLE REPORTS



EXIST. 4' DIA. MANHOLE F6
STA. 4+68.02, SEWER LINE 6
67.20' RT OF LINE -L-
STA. 47+76.16

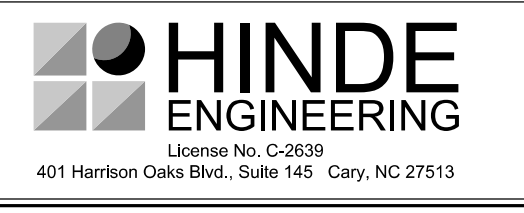
TH 16
N 661987.4185
E 812780.6730
GROUND ELEV. 2670.26
(AT&T DUCT BANK)
TOP ELEV. 2667.59
TOP 2.67' BELOW
EXIST. GROUND
BOTTOM ELEV. 2666.04
BOTTOM 4.22' BELOW
EXIST. GROUND

TH 24
N 661603.8355
E 813051.5860
GROUND ELEV. 2660.47
(4" PSNC PLASTIC GAS MAIN)
TOP ELEV. 2656.99
TOP 3.48' BELOW
EXIST. GROUND
BOTTOM ELEV. 2656.69
BOTTOM 3.78' BELOW
EXIST. GROUND

PROP. 51' OF 8" SANITARY
GRAVITY SEWER (DI, PC 350)

PROP. 96' OF 8" SANITARY
GRAVITY SEWER (DI, PC 350)

TH 23
N 661991.6910
E 812788.2925
GROUND ELEV. 2670.61
(AT&T DUCT BANK)
TOP ELEV. 2667.75
TOP 2.86' BELOW
EXIST. GROUND
BOTTOM ELEV. 2667.30
BOTTOM 3.31' BELOW
EXIST. GROUND



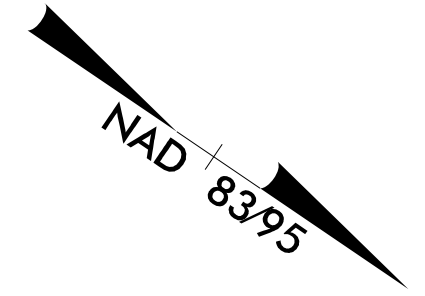
22-MAR-2023 06:49 U:\5839\Projects\2015\A20158003\00_Mulkey - U-5839\Utilities\Engineering\UBD\Pro\UBD_Sheets With Test Holes\U5839_Ut_edgill_TH27_psh.dgn

MATCHLINE -L- STA. 45+90 SEE SHEET TH-26

MATCHLINE -L- STA. 51+50 SEE SHEET TH-28

MATCHLINE -Y13-
STA. 11+40
SEE SHEET

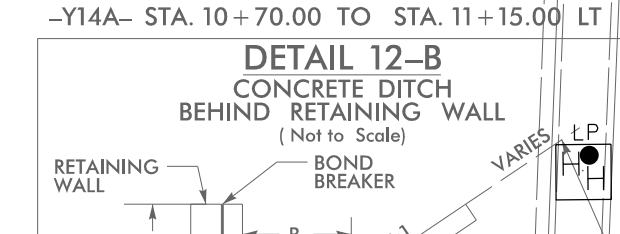
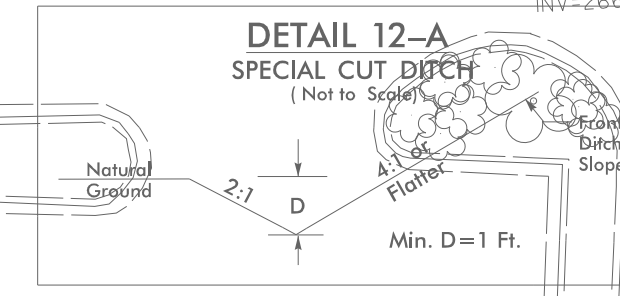
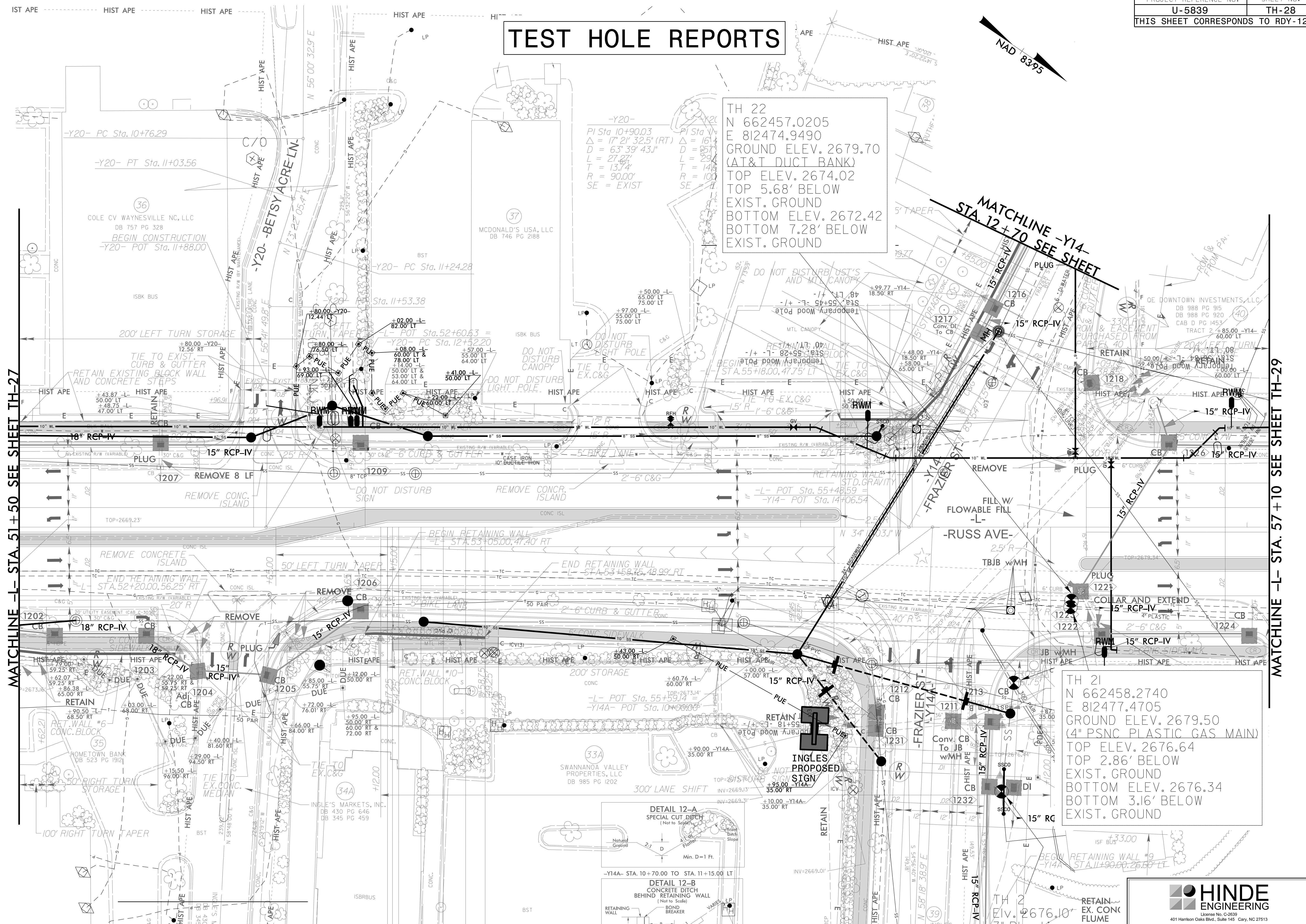
TEST HOLE REPORTS



TH 22
 N 662457.0205
 E 812474.9490
 GROUND ELEV. 2679.70
 (AT&T DUCT BANK)
 TOP ELEV. 2674.02
 TOP 5.68' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2672.42
 BOTTOM 7.28' BELOW
 EXIST. GROUND

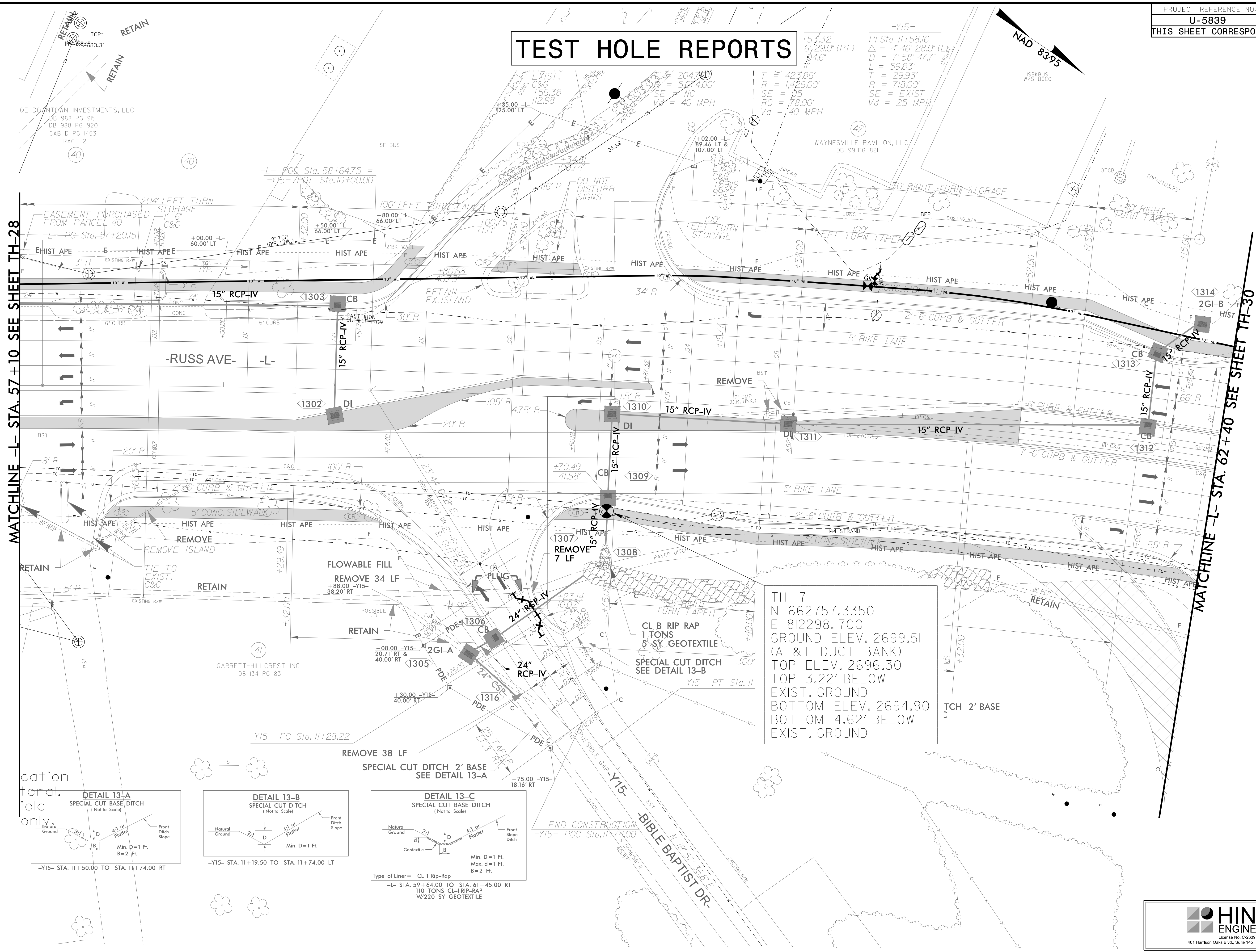
TH 21
 N 662458.2740
 E 812477.4705
 GROUND ELEV. 2679.50
 (4" PSNC PLASTIC GAS MAIN)
 TOP ELEV. 2676.64
 TOP 2.86' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2676.34
 BOTTOM 3.16' BELOW
 EXIST. GROUND

-Y20-
 PI Sta 10+90.03
 $\Delta = 17' 21" 32.5" (RT)$
 $D = 63' 39" 43.1"$
 $L = 27.27'$
 $T = 13.74'$
 $R = 90.00'$
 SE = EXIST

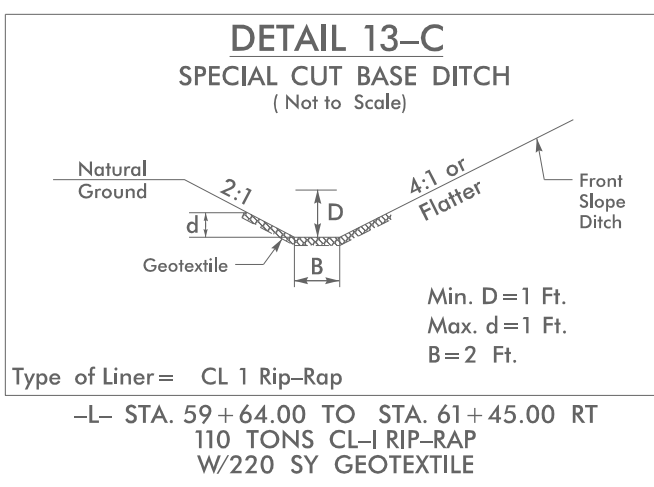
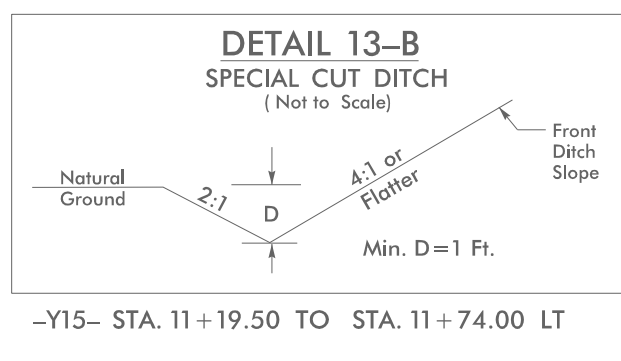
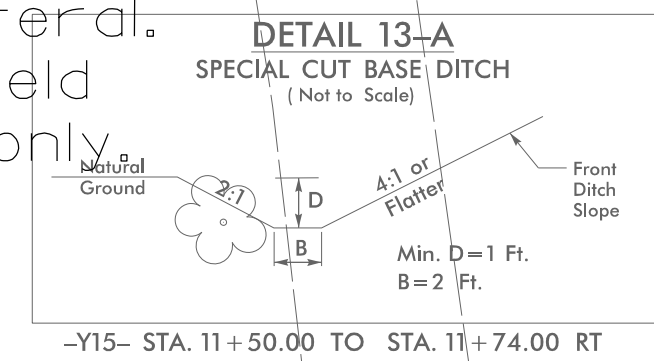


22-MAR-2023 06:50 PROJECTS\2015\A2015803\00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\Pro\UBD Sheets With Test Holes\U5839_Ut_rdy12_Th28_psh.dgn
 3:38:51 PM

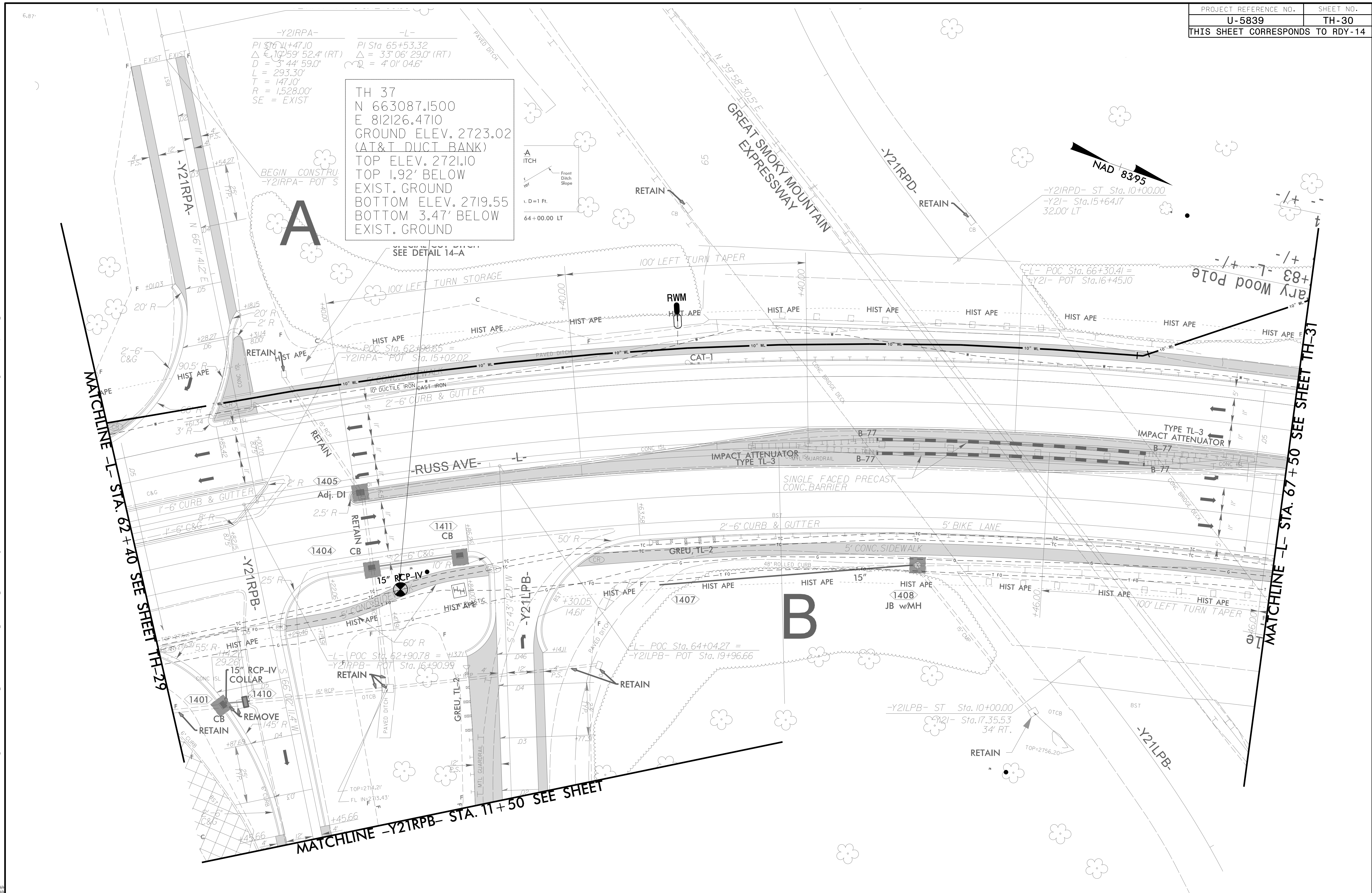
TEST HOLE REPORTS



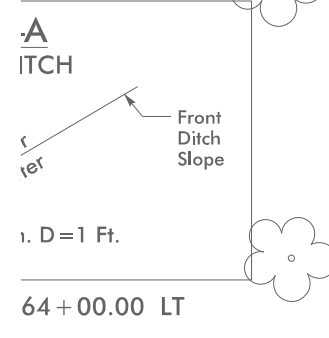
TH 17
 N 662757.3350
 E 812298.1700
 GROUND ELEV. 2699.51
 (AT&T DUCT BANK)
 TOP ELEV. 2696.30
 TOP 3.22' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2694.90
 BOTTOM 4.62' BELOW
 EXIST. GROUND



22-MAR-2023 10:56:00 PROJECTS\2015\A2015803\00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\UBD_Sheets_With_Test_Holes\U5839_Ut_rdy\13_TH29_psh.dgn



TH 37
 N 663087.1500
 E 812126.4710
 GROUND ELEV. 2723.02
 (AT&T DUCT BANK)
 TOP ELEV. 2721.10
 TOP 1.92' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2719.55
 BOTTOM 3.47' BELOW
 EXIST. GROUND



MATCHLINE -L- STA. 62+40 SEE SHEET TH-29

MATCHLINE -L- STA. 67+50 SEE SHEET TH-31

MATCHLINE -Y21RPB- STA. 11+50 SEE SHEET

TEST HOLE REPORTS

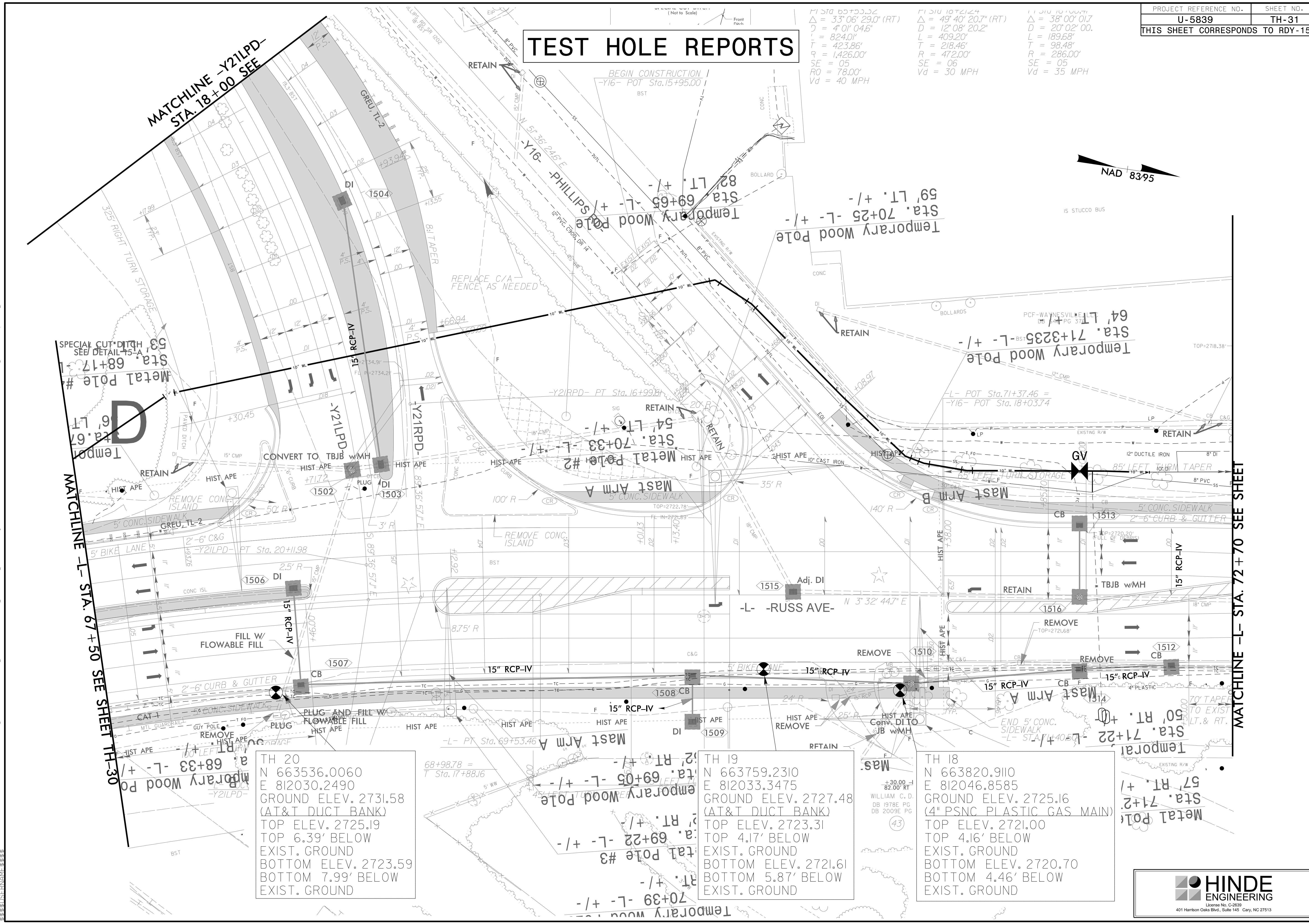
22-MAR-2023 06:51 PROJECTS\2015\A2015803\00 Mulkey - U-5839\Design\Utilities\Engineering\UBD\Proj\UBD Sheets With Test Holes\U5839_Ut_rdy\4_TH30_psh.dgn

TEST HOLE REPORTS

P1 STA 69+53.32
 $\Delta = 33' 06" 29.0" (RT)$
 $\Delta = 4' 01" 04.6"$
 $L = 824.01'$
 $T = 423.86'$
 $R = 1,426.00'$
 $SE = 05$
 $RO = 78.00'$
 $Vd = 40 MPH$

F1 STA 107+21.24
 $\Delta = 49' 40' 20.7" (RT)$
 $\Delta = 12' 08' 20.2"$
 $L = 409.20'$
 $T = 218.46'$
 $R = 472.00'$
 $SE = 06$
 $Vd = 30 MPH$

I1 STA 101+00.71
 $\Delta = 38' 00' 01.7"$
 $\Delta = 20' 02' 00.0"$
 $L = 189.68'$
 $T = 98.48'$
 $R = 286.00'$
 $SE = 05$
 $Vd = 35 MPH$



Metal Pole #1
 Sta. 68+17.0
 6' LT. +/-
 D

Metal Pole #2
 Sta. 70+33.1
 1' LT. +/-
 Mast Arm A

Metal Pole #3
 Sta. 71+22.0
 50' RT. +/-
 Temporary Wood Pole

TH 20
 N 663536.0060
 E 812030.2490
 GROUND ELEV. 2731.58
 (AT&T DUCT BANK)
 TOP ELEV. 2725.19
 TOP 6.39' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2723.59
 BOTTOM 7.99' BELOW
 EXIST. GROUND

TH 19
 N 663759.2310
 E 812033.3475
 GROUND ELEV. 2727.48
 (AT&T DUCT BANK)
 TOP ELEV. 2723.31
 TOP 4.17' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2721.61
 BOTTOM 5.87' BELOW
 EXIST. GROUND

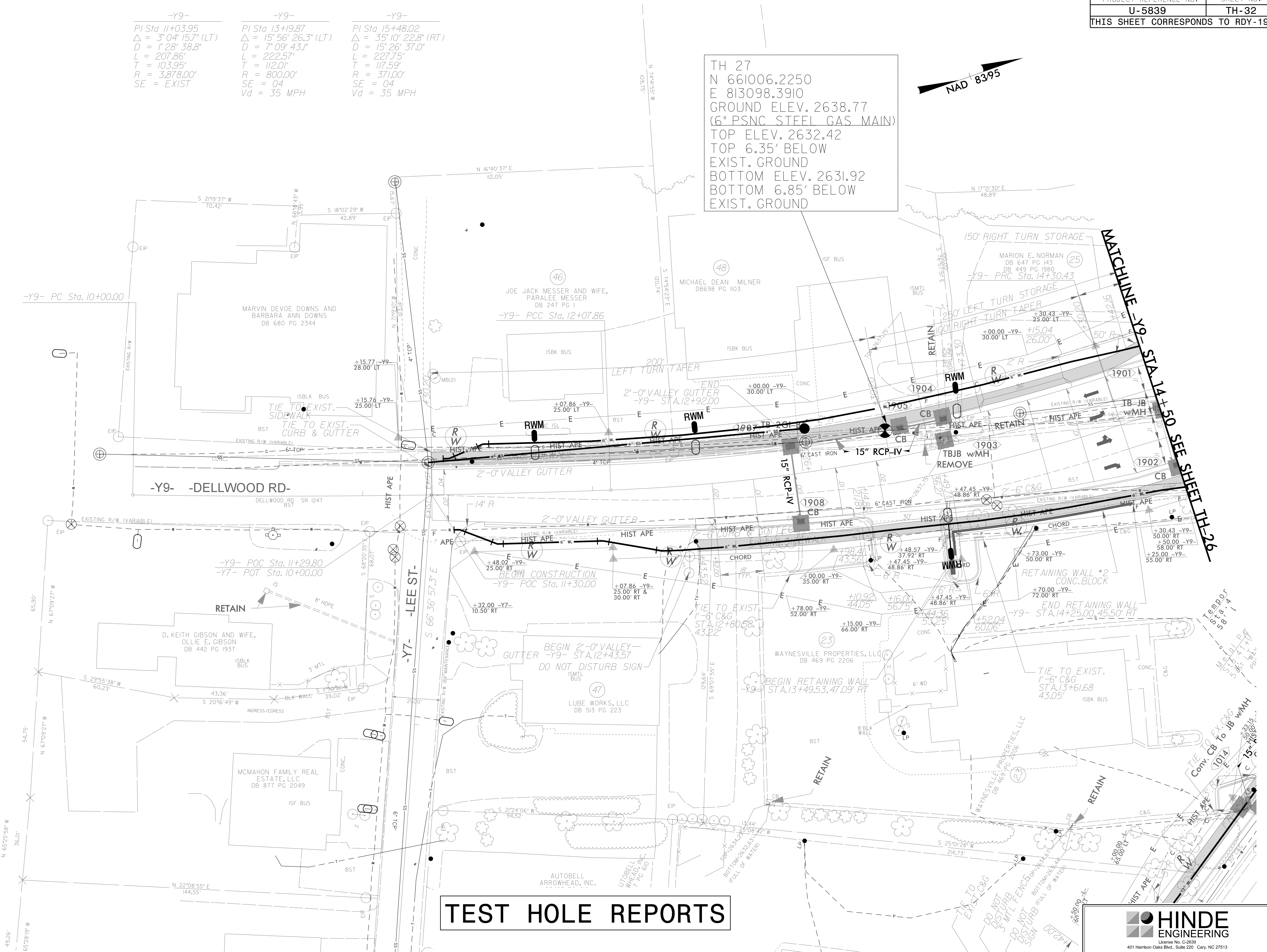
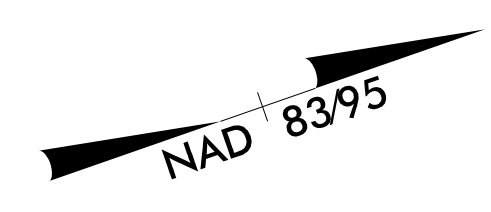
TH 18
 N 663820.9110
 E 812046.8585
 GROUND ELEV. 2725.16
 (4" PSNC PLASTIC GAS MAIN)
 TOP ELEV. 2721.00
 TOP 4.16' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2720.70
 BOTTOM 4.46' BELOW
 EXIST. GROUND

Metal Pole #4
 Sta. 71+2.0
 57' RT. +/-

U:\5839\Design\Utilities\Engineering\UBD\ProJ\UBD_Sheets_With_Test_Holes\U5839_Ut_rdy\15_TH31_psh.dgn
 22-MAR-2023 06:51
 PROJECTS\2015\A2015803\00_Mulkey - U-5839\Design\Utilities\Engineering\UBD\ProJ\UBD_Sheets_With_Test_Holes\U5839_Ut_rdy\15_TH31_psh.dgn

-Y9-	-Y9-	-Y9-
PI Sta 11+03.95	PI Sta 13+19.87	PI Sta 15+48.02
$\Delta = 3^{\circ}04'15.7"$ (LT)	$\Delta = 15^{\circ}56'26.3"$ (LT)	$\Delta = 35^{\circ}10'22.8"$ (RT)
D = 1'28'38.8"	D = 7'09'43.1"	D = 15'26'37.0"
L = 207.86'	L = 222.57'	L = 227.75'
T = 103.95'	T = 112.01'	T = 117.59'
R = 3,878.00'	R = 800.00'	R = 371.00'
SE = EXIST	SE = 04	SE = 04
	Vd = 35 MPH	Vd = 35 MPH

TH 27
 N 661006.2250
 E 813098.3910
 GROUND ELEV. 2638.77
 (6" PSNC STEEL GAS MAIN)
 TOP ELEV. 2632.42
 TOP 6.35' BELOW
 EXIST. GROUND
 BOTTOM ELEV. 2631.92
 BOTTOM 6.85' BELOW
 EXIST. GROUND



TEST HOLE REPORTS

22-MAR-2023 06:51 U:\PROJECTS\2015\A2015803\00 Mulkey - U-5839\Drawings\Engineering\UBD\Proj\UBD Sheets With Test Holes\U5839-Ut_rdy19_TH32_psh.dgn
 3:38:51 PM
 3:38:51 PM