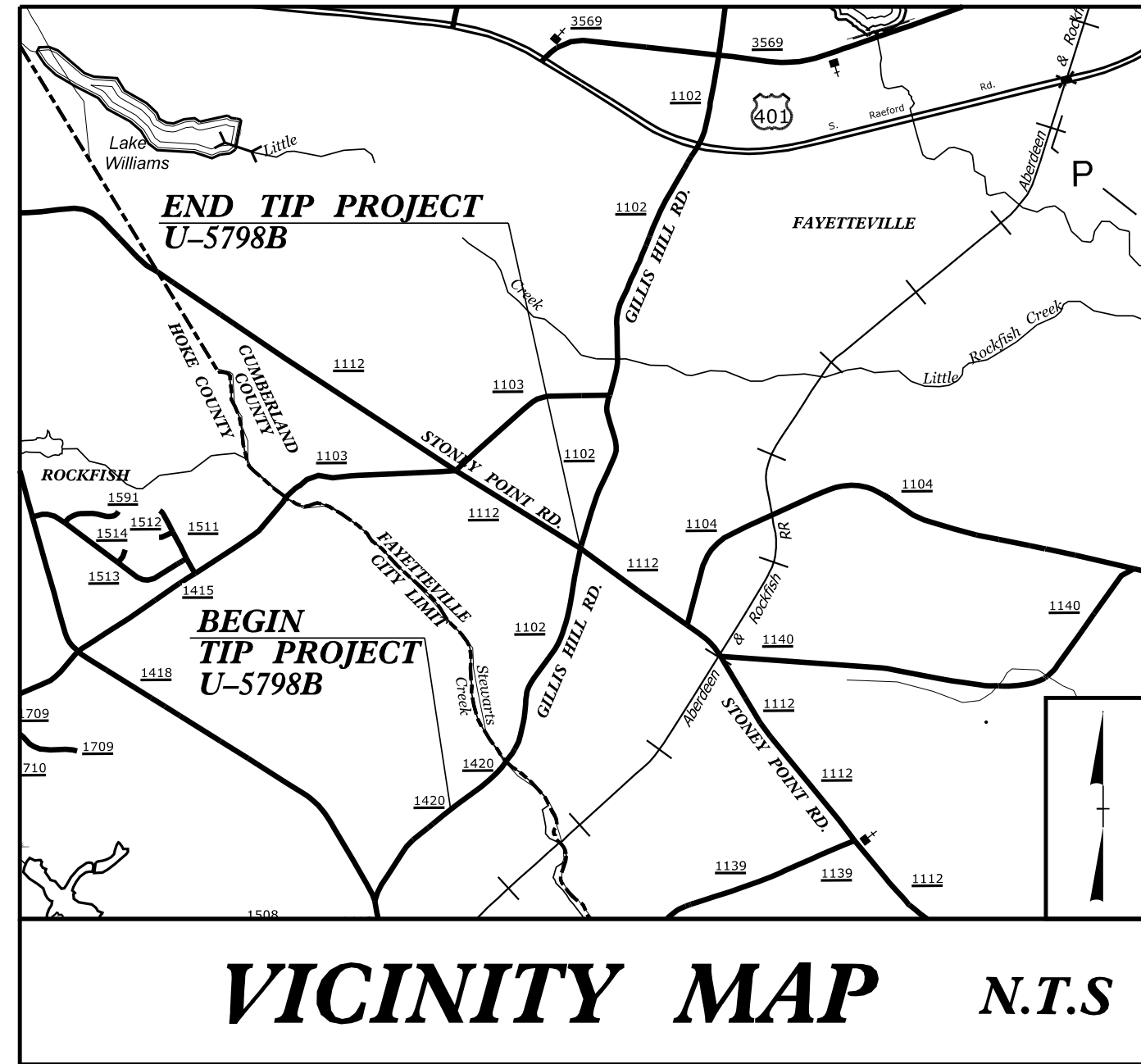


09/29/22

TIP PROJECT: U-5798B



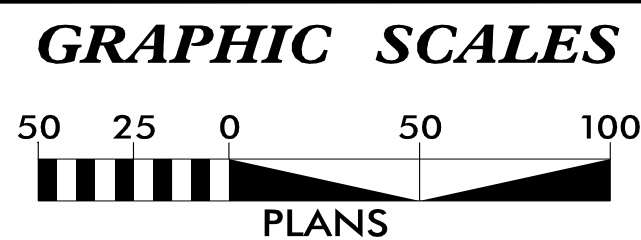
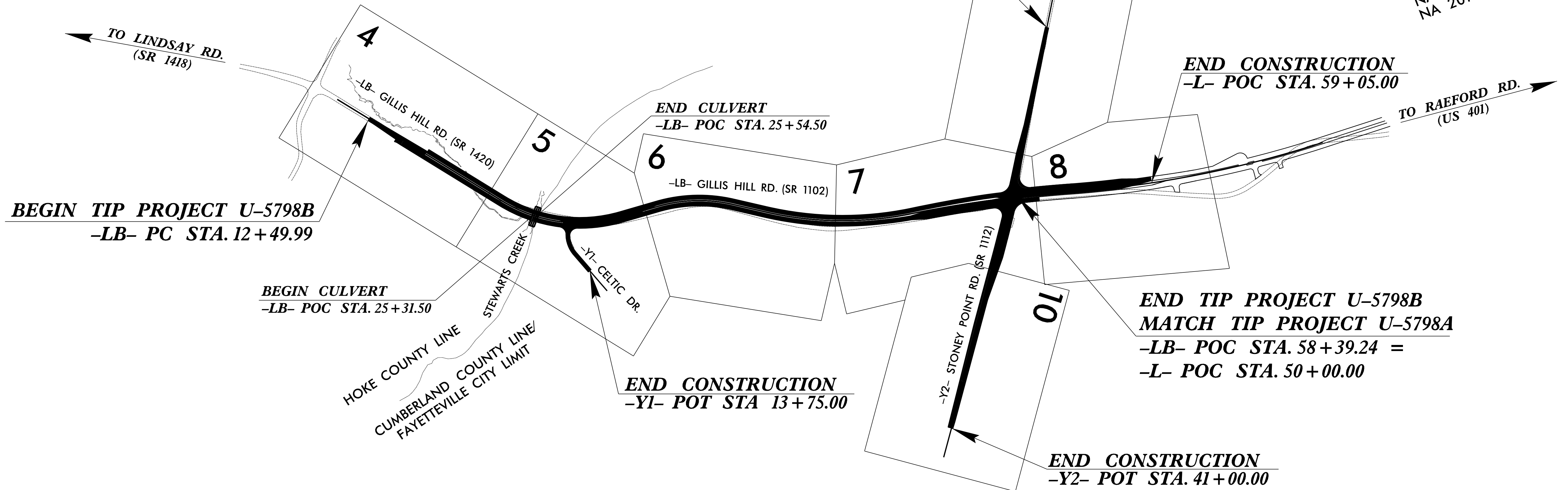
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HOKE AND CUMBERLAND COUNTIES

UTILITIES BY OTHERS PLANS

LOCATION: SR 1102 (GILLIS HILL ROAD) FROM SOUTH OF CELTIC DRIVE TO NORTH OF SR 1112 (STONEY POINT ROAD).
TYPE OF WORK: RELOCATION OF POWER, TELEPHONE, GAS, FIBER, AND WATER UTILITIES

BEGIN CONSTRUCTION
-Y2- POT STA. 13 + 30.00



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2	UBO SYMBOLOGY SHEET
UO-3	OMITTED
UO-4 THRU UO-10	UBO PLAN SHEETS

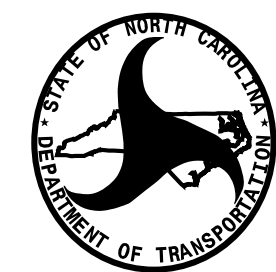
UTILITY OWNERS WITH CONFLICTS

- (A) POWER - LUMBEE RIVER ELECTRIC
- (B) TELEPHONE - BRIGHTSPEED
- (C) GAS - PNG
- (D) FIBER - METRONET
- (F) WATER - FAYETTEVILLE PWC



Prepared In the Office of:
JOHNSON, MIRMIRAN, & THOMPSON, INC.
1318-F Patton Ave.
Asheville, NC 28806

Nick Asaro, PLS UTILITY PROJECT MANAGER
James Montgomery PROJECT UTILITY COORDINATOR



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

Nabil S. Hamdan EASTERN REGIONAL UTILITIES ENGINEER
Tanga N. Sampson EASTERN REGIONAL UTILITY COORDINATOR
Tucker Martin UTILITIES DESIGN ENGINEER
Jim Forbes UTILITY COORDINATOR CONSULTANT

UTILITIES PLAN SHEET SYMBOLS

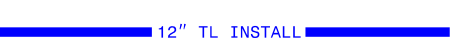
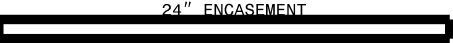
PROPOSED WATER SYMBOLS

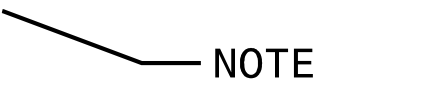
Water Line (Sized as Shown)	
11¼ Degree Bend	
22½ Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

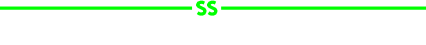
PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

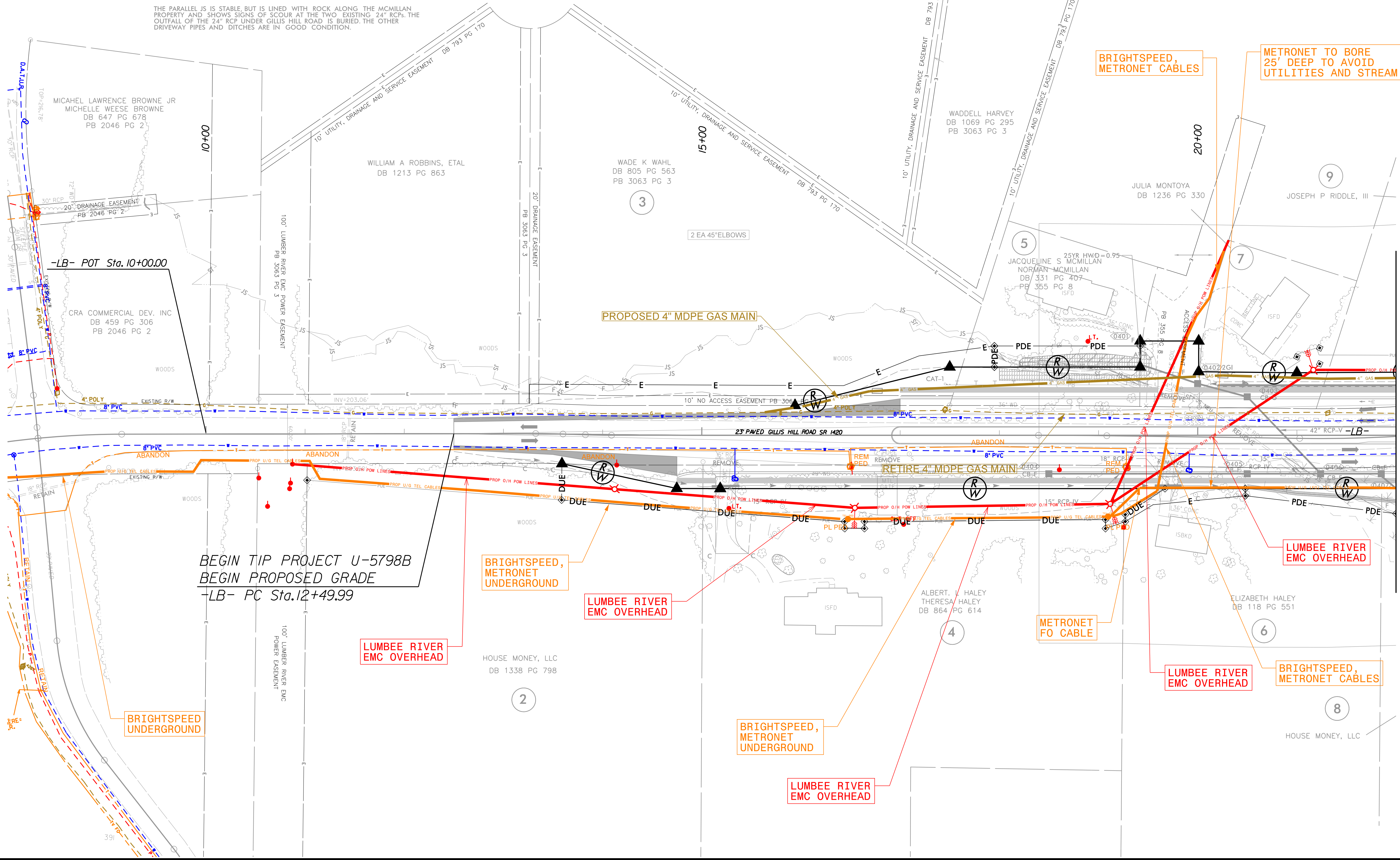
*For Existing Utilities
Utility Line Drawn from Record (Type as Shown) _____ W _____
Designated Utility Line (Type as Shown) _____ W _____

UTILITIES BY OTHERS

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.

0401 TOP = 186.72' INV. OUT = 186.72'	0405 TOP = 188.28' INV. IN = 184.53' INV. OUT = 184.53'
0402 TOP = 189.10' INV. IN = 182.85' INV. OUT = 182.85'	0406 TOP = 187.28' INV. IN(0403) = 182.03' INV. IN(0405) = 184.16' INV. OUT = 182.03'
0403 TOP = 188.28' INV. IN = 182.50' INV. OUT = 182.50'	0407 TOP = 186.33' INV. IN = 181.75' INV. OUT = 181.75'
0404 TOP = 192.98' INV. OUT = 189.98'	

NOTE:
THE PARALLEL JS IS STABLE, BUT IS LINED WITH ROCK ALONG THE MCMILLAN PROPERTY AND SHOWS SIGNS OF SCOUR AT THE TWO EXISTING 24" RCPs. THE OUTFALL OF THE 24" RCP UNDER GILLIS HILL ROAD IS BURIED. THE OTHER DRIVEWAY PIPES AND DITCHES ARE IN GOOD CONDITION.



BEGIN TIP PROJECT U-5798B
BEGIN PROPOSED GRADE
-LB- PC Sta.12+49.99

BRIGHTSPEED,
METRONET
UNDERGROUND

LUMBEE RIVER
EMC OVERHEAD

LUMBEE RIVER
EMC OVERHEAD

METRONET
FO CABLE

LUMBEE RIVER
EMC OVERHEAD

LUMBEE RIVER
EMC OVERHEAD

BRIGHTSPEED,
METRONET
CABLES

BRIGHTSPEED,
METRONET
UNDERGROUND

LUMBEE RIVER
EMC OVERHEAD

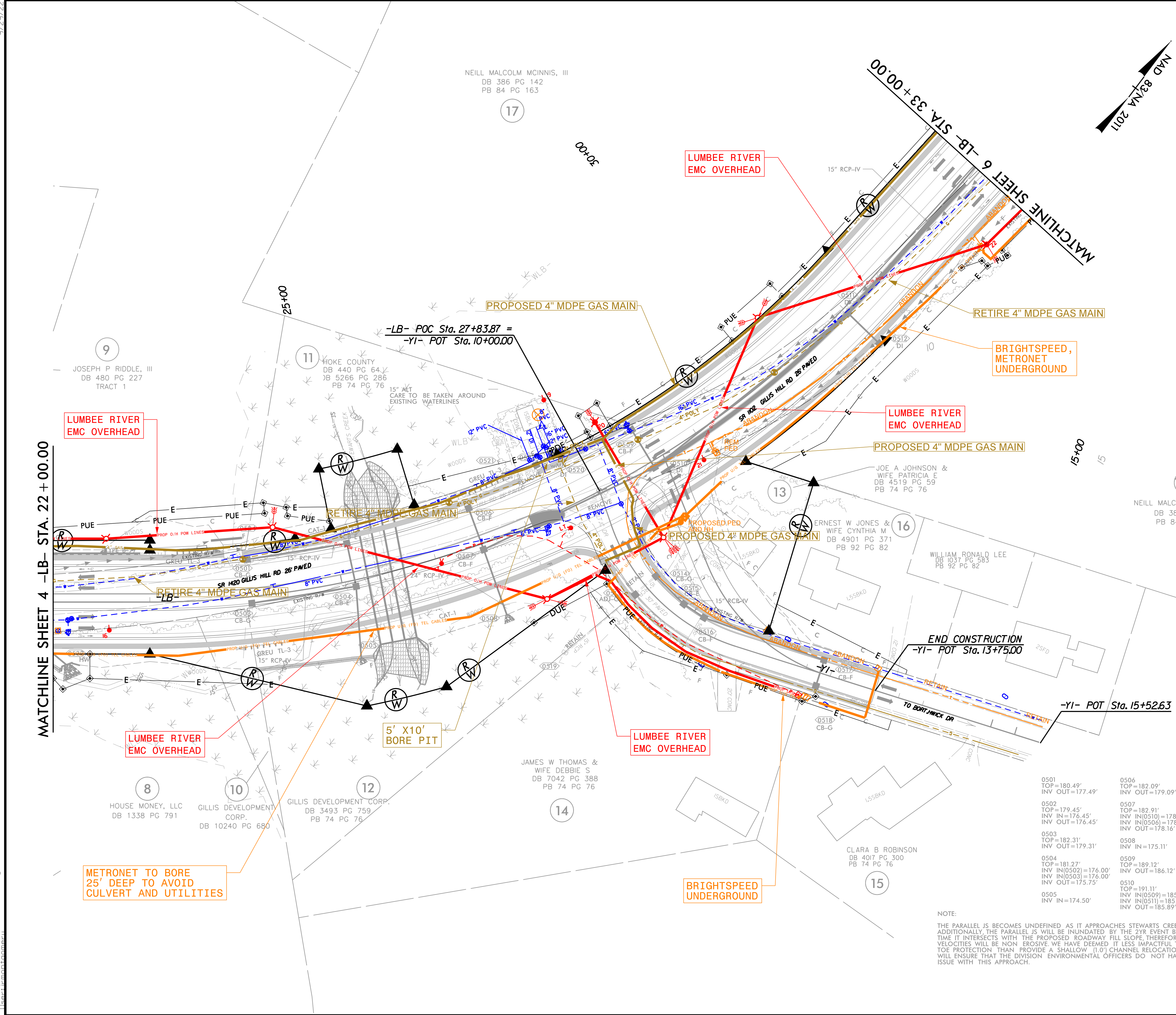
BRIGHTSPEED,
METRONET
CABLES

METRONET TO BORE
25' DEEP TO AVOID
UTILITIES AND STREAM

MATCHLINE SHEET 5 -LB- STA. 22 + 00.00

UTILITIES BY OTHERS

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.

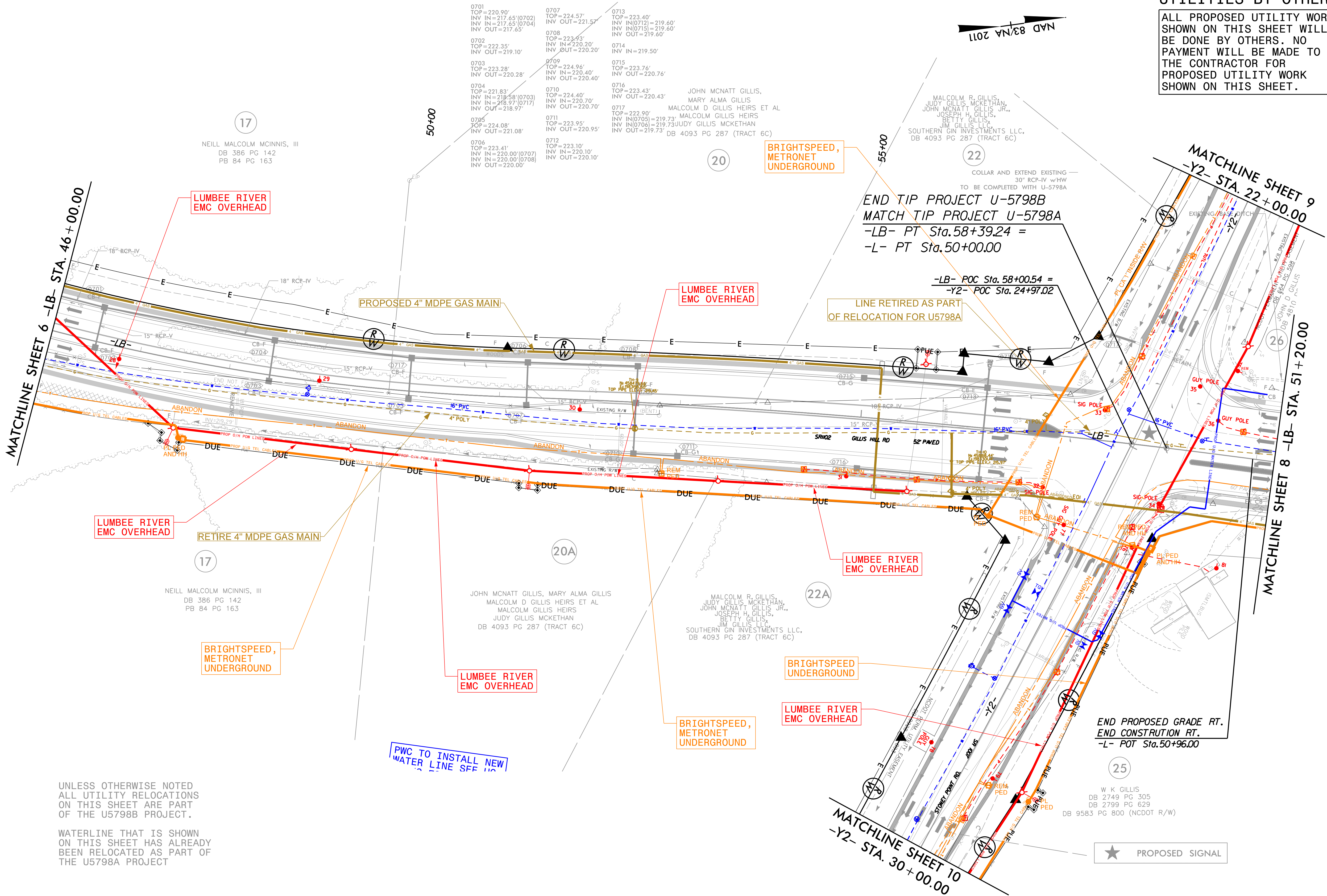


0501 TOP=180.49' INV. OUT=177.49'	0506 TOP=182.09' INV. OUT=179.09'	0511 TOP=205.93' INV. IN(0512)=202.76' INV. IN(0501)=202.76' INV. OUT=202.51'	0516 TOP=187.10' INV. IN=184.10' INV. OUT=184.10'
0502 TOP=179.45' INV. IN=176.45' INV. OUT=176.45'	0507 TOP=182.91' INV. IN(0510)=178.58' INV. IN(0506)=178.86' INV. OUT=178.16'	0512 TOP=207.42' INV. OUT=204.67'	0517 TOP=194.44' INV. IN=191.44' INV. OUT=191.44'
0503 TOP=182.31' INV. OUT=179.31'	0508 INV. IN=175.11'	0513 TOP=187.03' INV. IN=178.65' INV. OUT=178.65'	0518 TOP=194.65' INV. OUT=191.65'
0504 TOP=181.27' INV. IN(0502)=176.00' INV. IN(0503)=176.00' INV. OUT=175.75'	0509 TOP=189.12' INV. OUT=186.12'	0514 TOP=187.33' INV. IN=183.54' INV. OUT=179.00'	0519 INV. IN=173.73'
0505 INV. IN=174.50'	0510 TOP=191.11' INV. IN(0509)=185.89' INV. IN(0511)=185.89' INV. OUT=185.89'	0515 TOP=186.77' INV. IN=183.77' INV. OUT=183.77'	0520 TOP=183.42' INV. OUT=181.50'
		0521 INV. IN=181.00'	0522 INV. OUT=181.65'
		0523 TOP=183.40' INV. IN=181.25'	0524 INV. IN=180.92' INV. OUT=179.58'

NOTE:
THE PARALLEL IS BECOMES UNDEFINED AS IT APPROACHES STEWARTS CREEK. ADDITIONALLY, THE PARALLEL IS WILL BE INUNDATED BY THE 2YR EVENT BY THE TIME IT INTERSECTS WITH THE PROPOSED ROADWAY FILL SLOPE, THEREFORE VELOCITIES WILL BE NON EROSION, WE HAVE DEEMED IT LESS IMPACTFUL TO USE TOE PROTECTION THAN PROVIDE A SHALLOW (1.0') CHANNEL RELOCATION, BUT WILL ENSURE THAT THE DIVISION ENVIRONMENTAL OFFICERS DO NOT HAVE ANY ISSUE WITH THIS APPROACH.

UTILITIES BY OTHERS

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.



UNLESS OTHERWISE NOTED
ALL UTILITY RELOCATIONS
ON THIS SHEET ARE PART
OF THE U5798B PROJECT.

WATERLINE THAT IS SHOWN
ON THIS SHEET HAS ALREADY
BEEN RELOCATED AS PART OF
THE U5798A PROJECT

★ PROPOSED SIGNAL

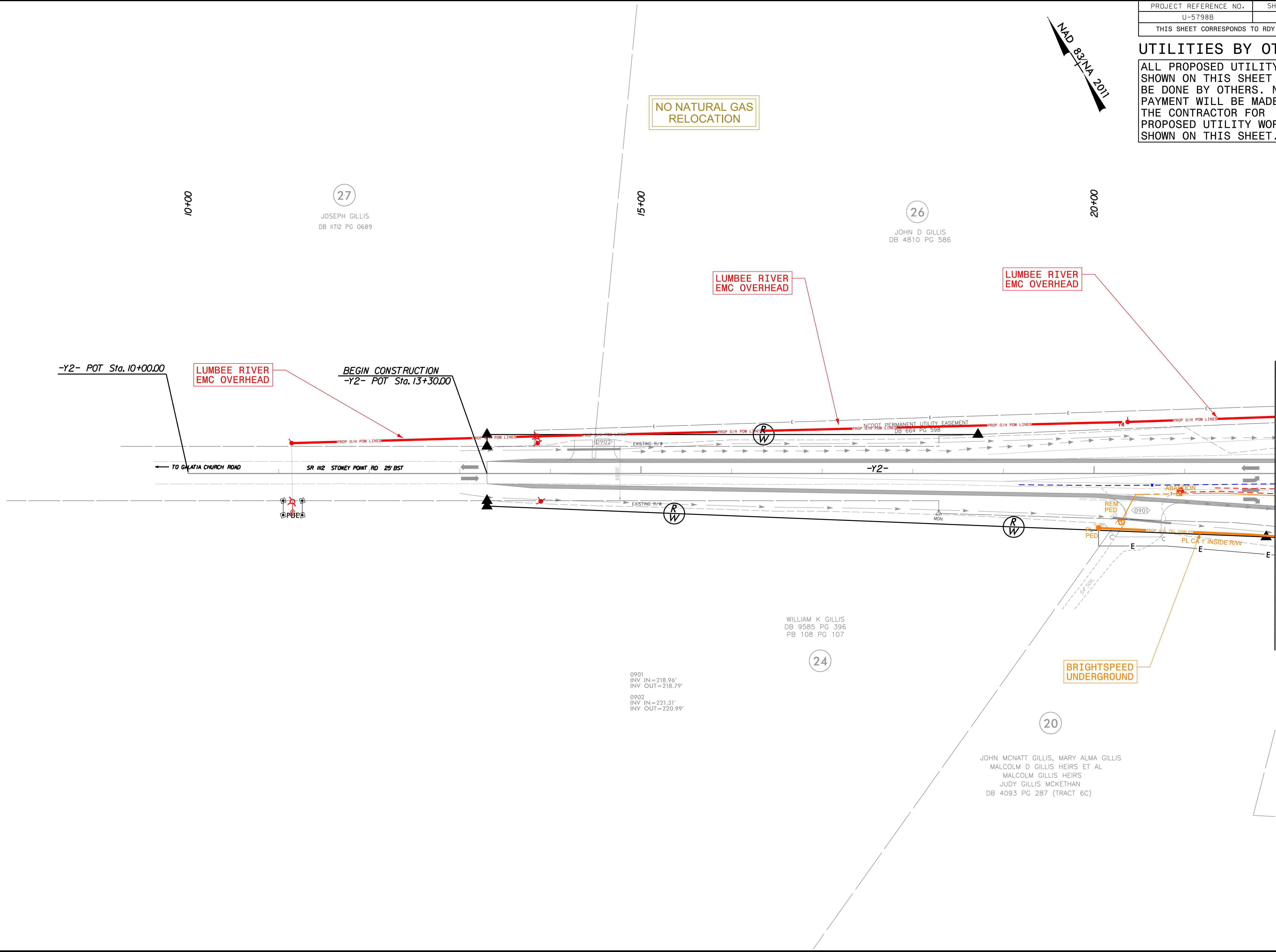
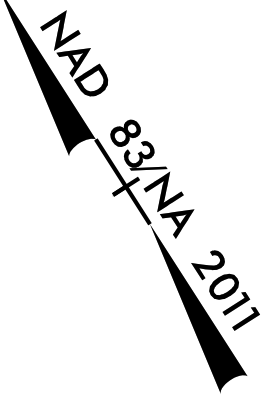
9/29/22

4/25/2025 10:23:33 AM
C:\Users\jgill\OneDrive\Documents\41866\41866.dgn
User: jgill

PROJECT REFERENCE NO.	SHEET NO.
U-5798B	U0-9
THIS SHEET CORRESPONDS TO RDY-9	

UTILITIES BY OTHERS

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.



MATCHLINE SHEET 7 -Y2- STA. 22 + 00.00

