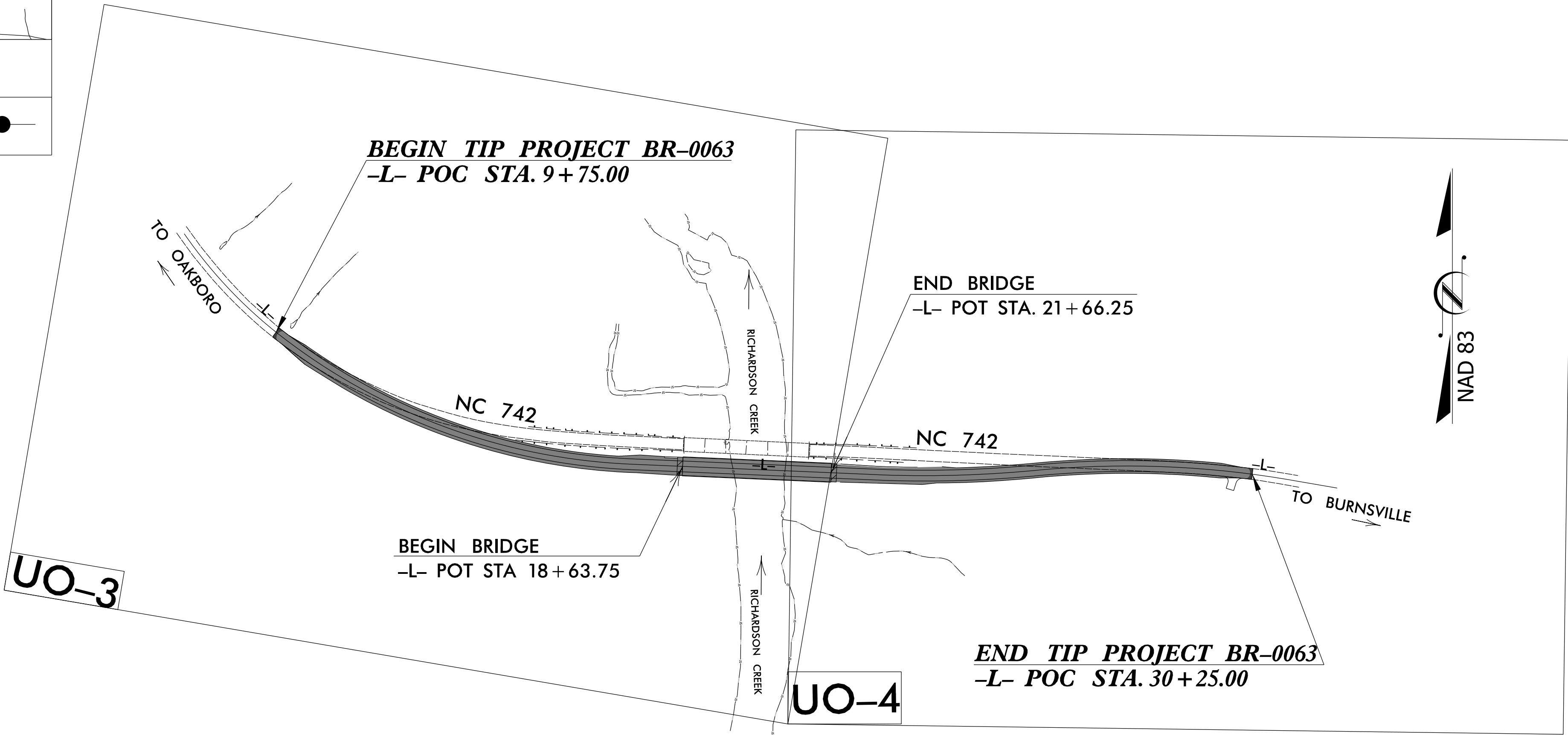
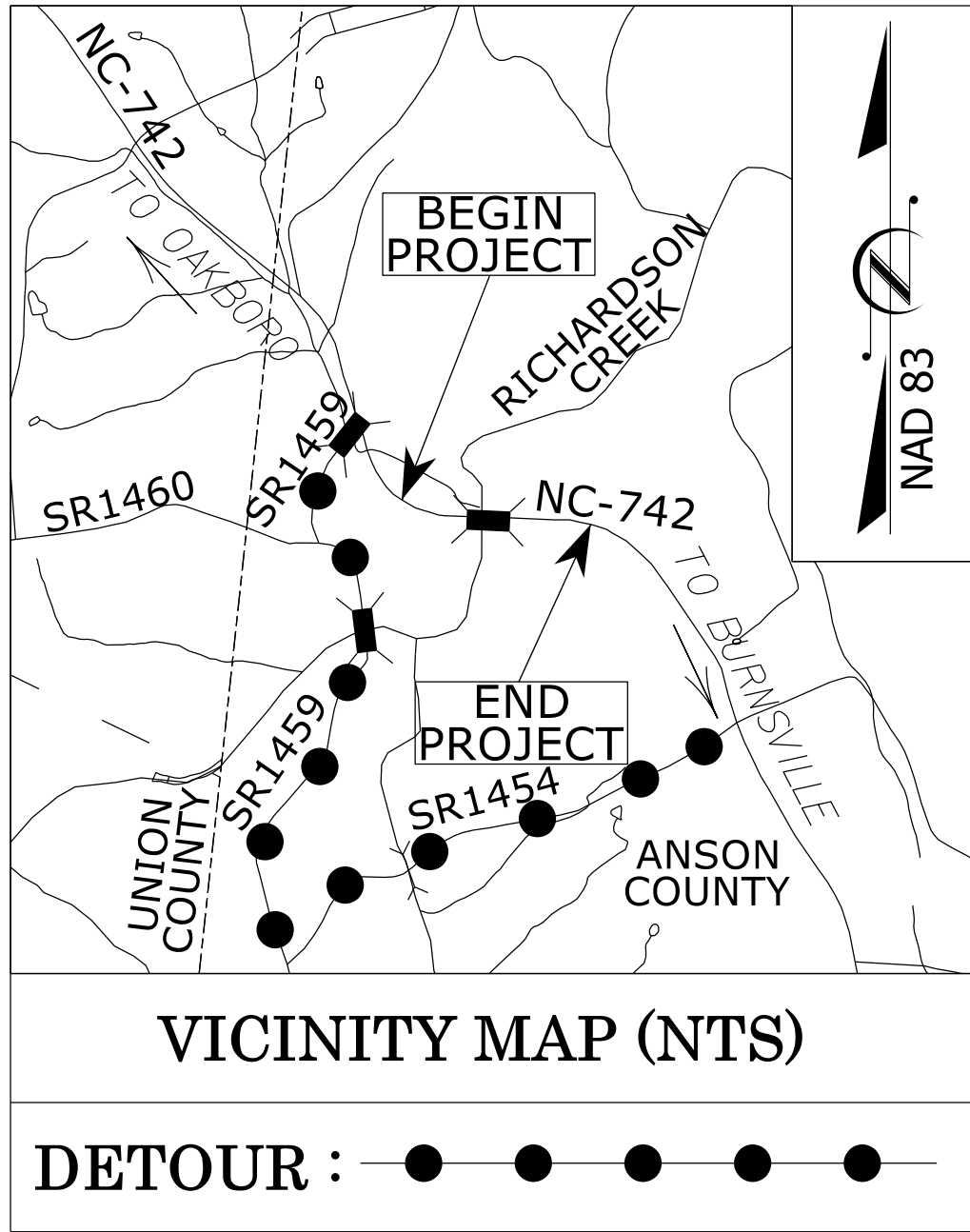


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

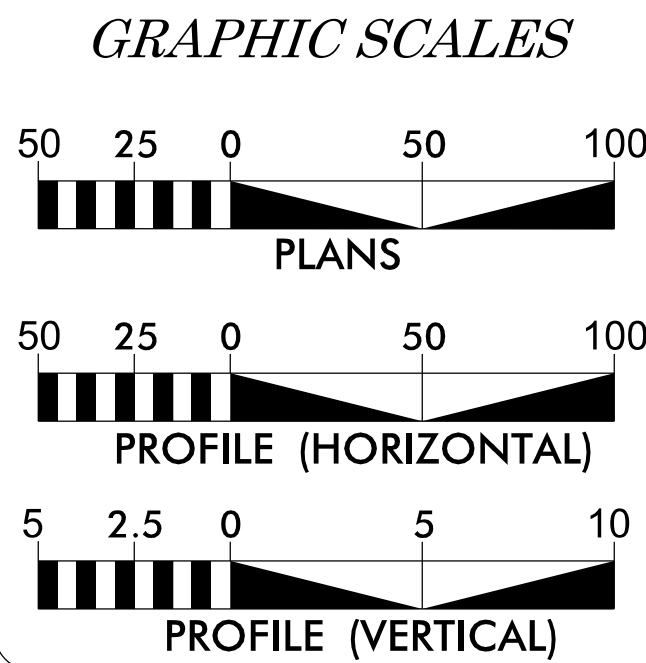
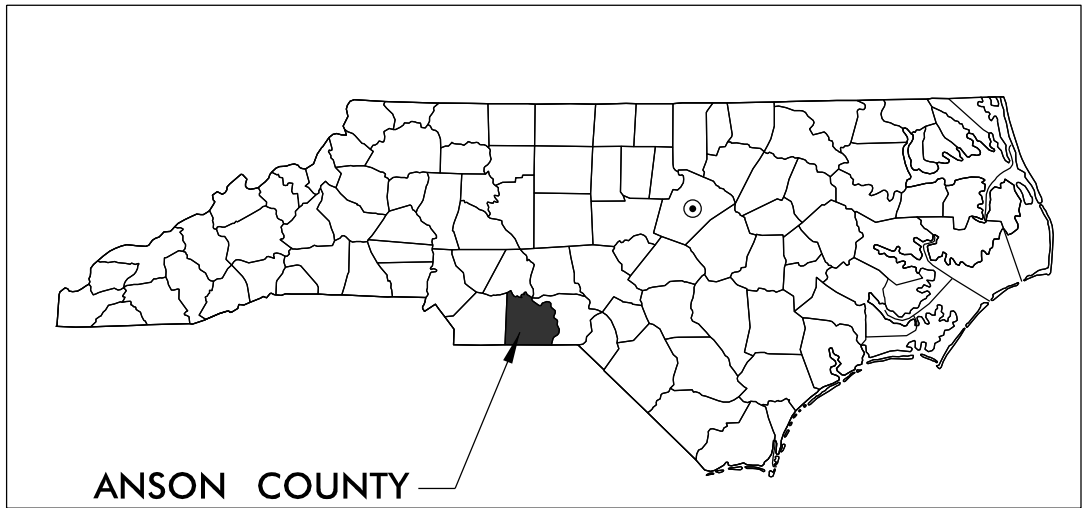
UTILITY BY OTHERS PLANS
ANSON COUNTY

LOCATION: *REPLACEMENT OF BRIDGE 030087 OVER RICHARDSON CREEK ON NC 742*
TYPE OF WORK: *GRADING, PAVING, DRAINAGE AND STRUCTURE*



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0063	UO-1	4

NOTE:
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INDEX OF SHEETS	
SHEET NO:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2	SYMBOLS
UO-3-4	UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS	
(A) POWER	- PEE DEE EMC
(B) COMMUNICATIONS	- DUKE ENERGY FIBER
(C) COMMUNICATIONS	- WINDSTREAM

Engineering & Design

PREPARED IN THE OFFICE OF:

COLLIERS ENGINEERING & DESIGN
2000 REGENCY PARKWAY SUITE 295
CARY, NORTH CAROLINA 27518

FOR NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DAVID TALBERT PROJECT UTILITY COORDINATOR

DAVID TALBERT PROJECT UTILITY DESIGN

DIVISION OF HIGHWAYS
DIVISION 10
716 W MAIN ST
ALBEMARLE, NC 28001

LYNN BASINGER
DIVISION UTILITY ENGINEER

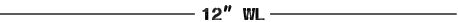
ADAM PRESLAR
DIVISION SR UTILITY COORDINATOR

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

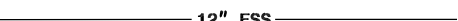
PROJECT REFERENCE NO.	SHEET NO.
BR-0063	U0-2

UTILITIES PLAN SHEET SYMBOLS

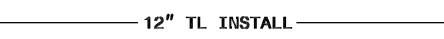
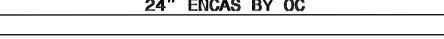
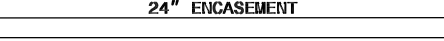
PROPOSED WATER SYMBOLS

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	

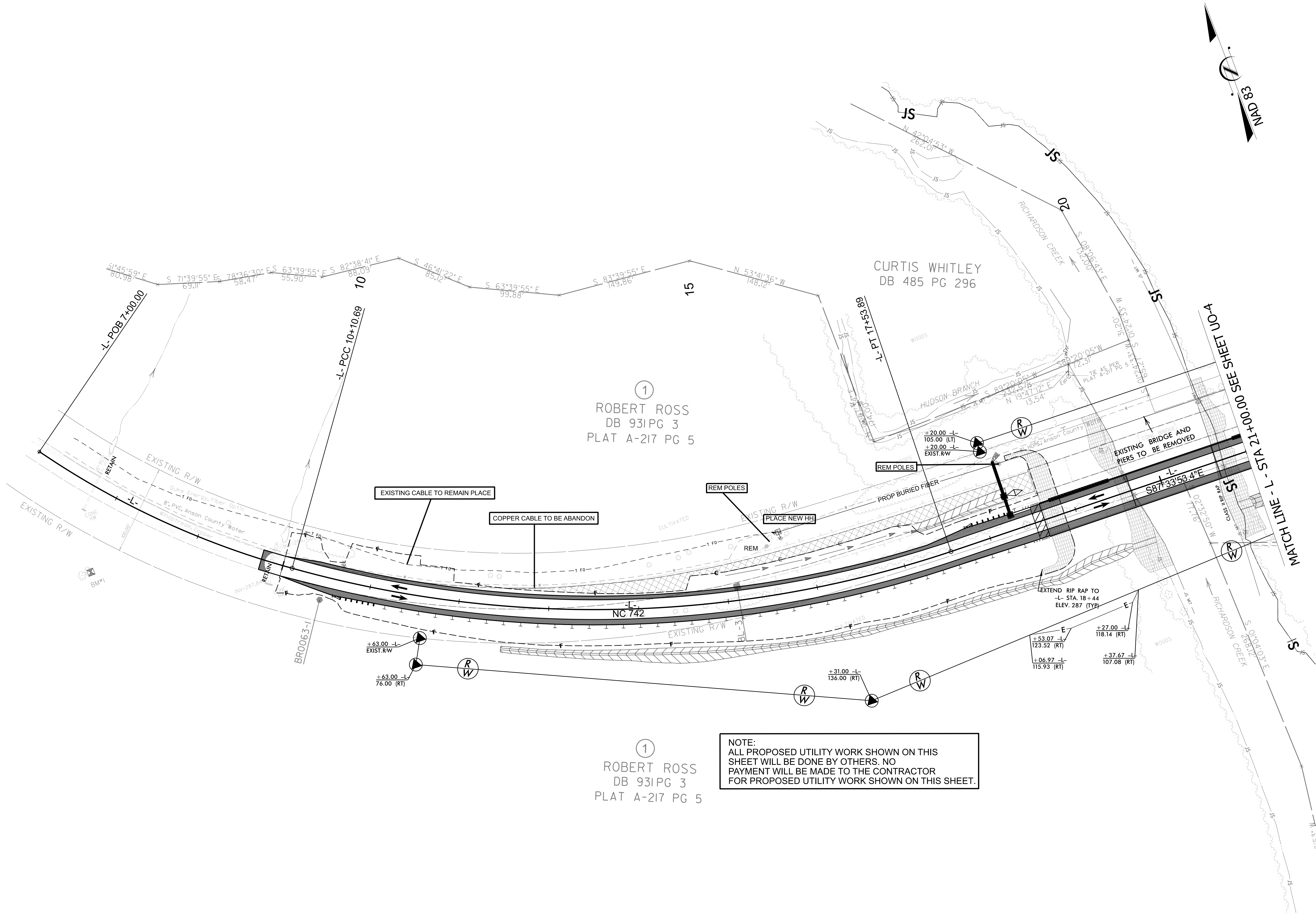
EXISTING UTILITIES SYMBOLS

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	
End of Information	

*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)	
Designated Utility Line (Type as Shown)	



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REVISIONS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR-0063-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 511274.2261(±) EASTING: 1618286.1809(±) ELEVATION: 298.225(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99986472

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR-0063-1" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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