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09/08/99

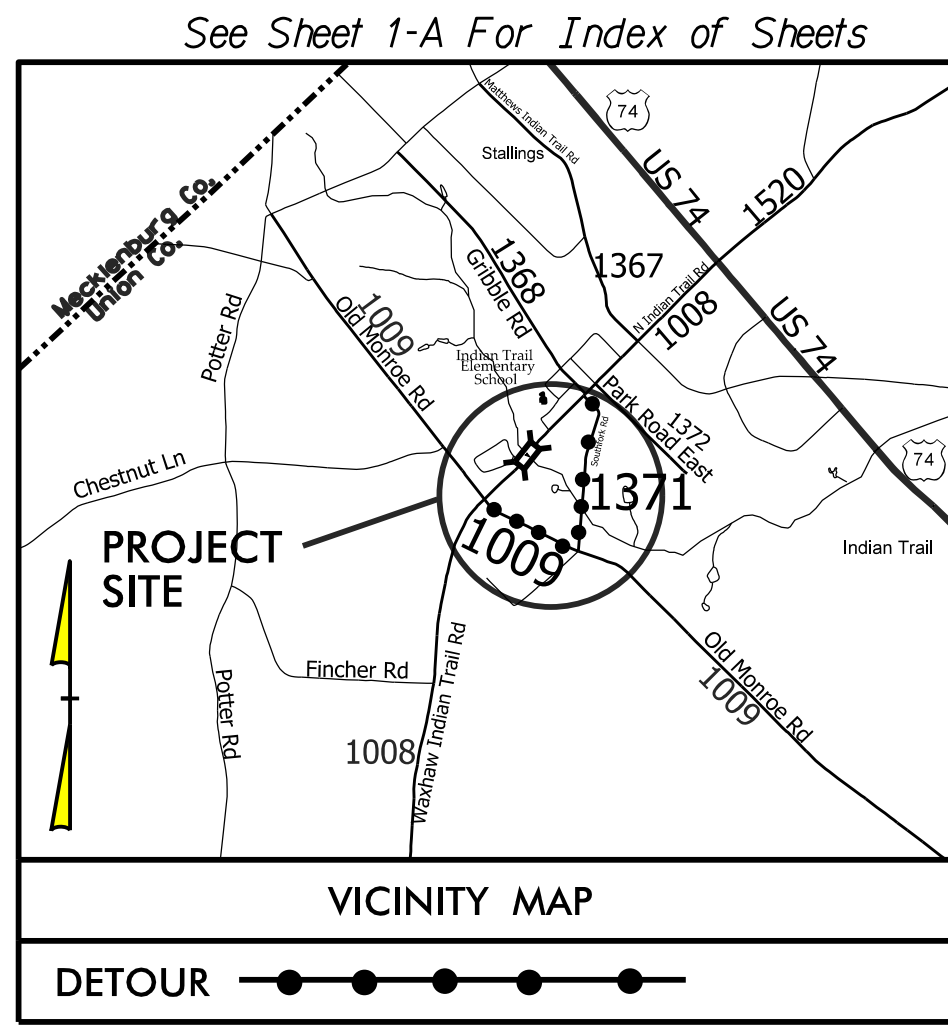
T.I.P. NO.	SHEET NO.
B-5243	UO-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS
UNION COUNTY**

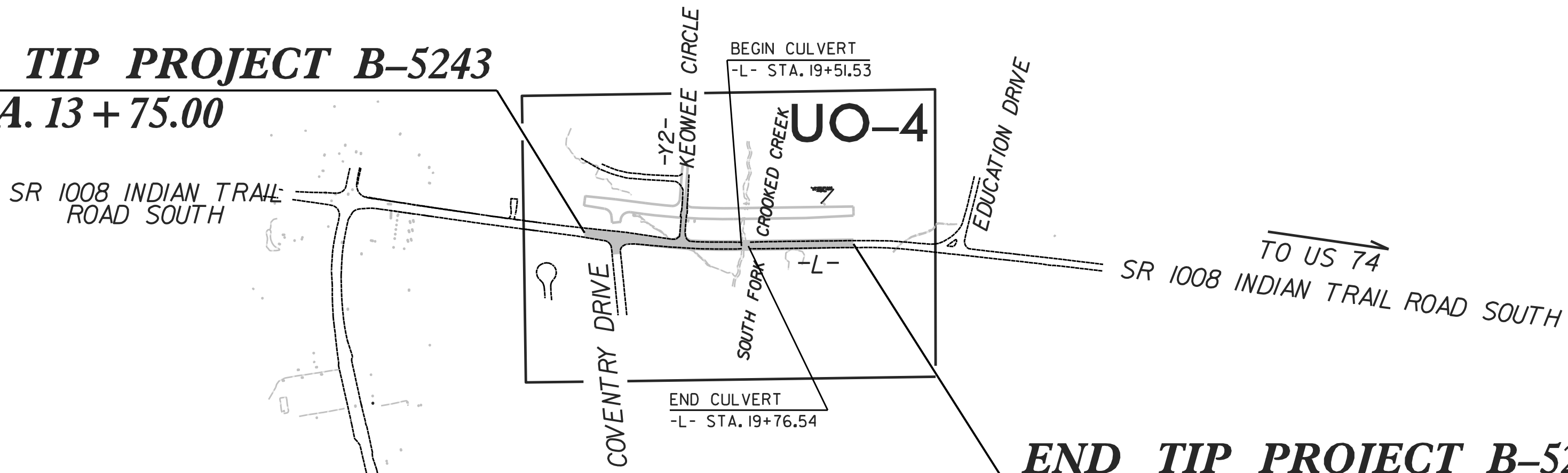
LOCATION: BRIDGE 258 ON SR 1008 OVER SOUTH FORK CROOKED CREEK AND IMPROVEMENT OF THE INTERSECTION OF SR 1009 AND SR 1371

TYPE OF WORK: OVERHEAD AND UNDERGROUND POWER & TELECOMMUNICATIONS RELOCATION



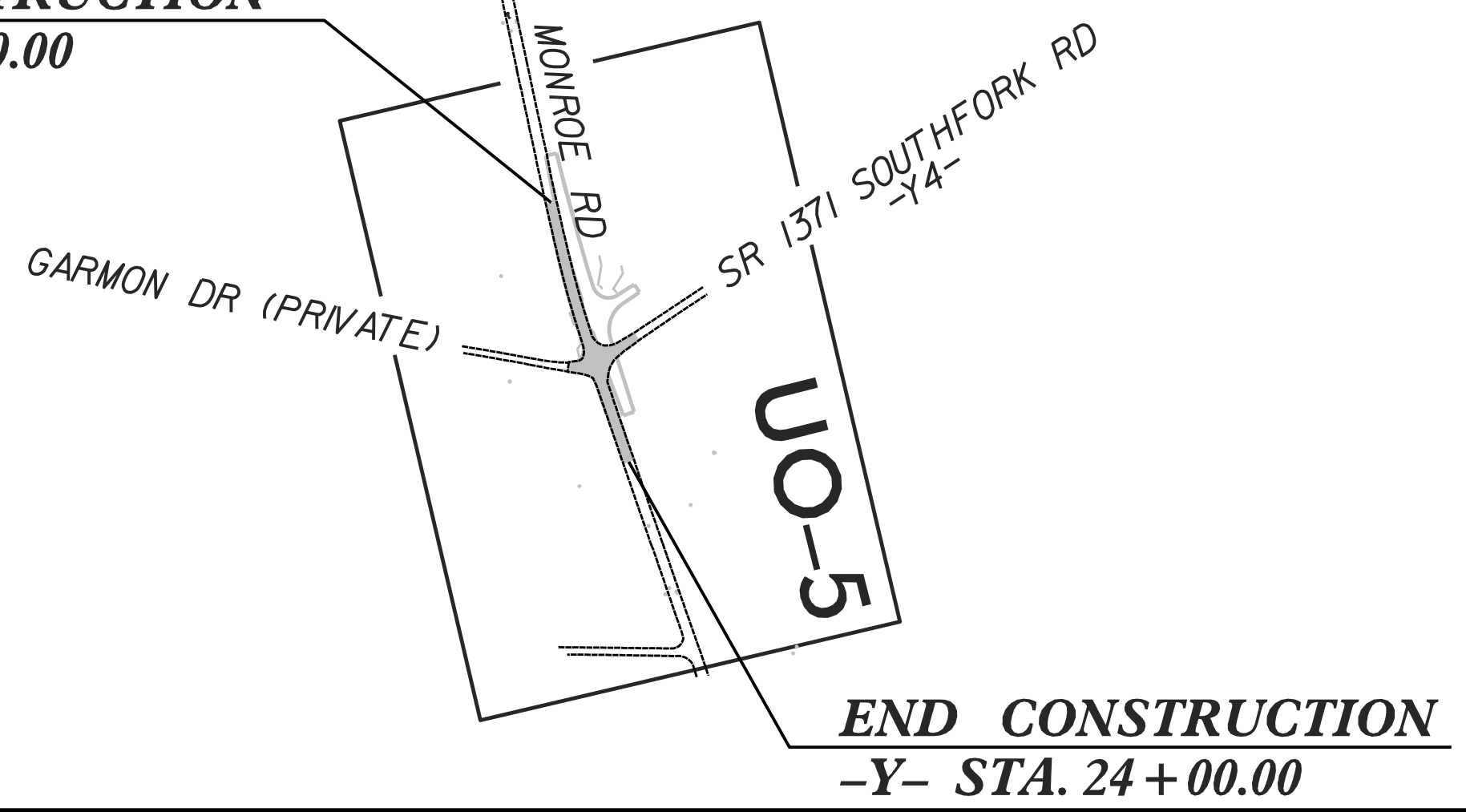
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF INDIAN TRAIL.

BEGIN TIP PROJECT B-5243
-L- STA. 13 + 75.00



END TIP PROJECT B-5243
-L- STA. 23 + 61.42

BEGIN CONSTRUCTION
-Y- STA. 17 + 40.00



END CONSTRUCTION
-Y- STA. 24 + 00.00

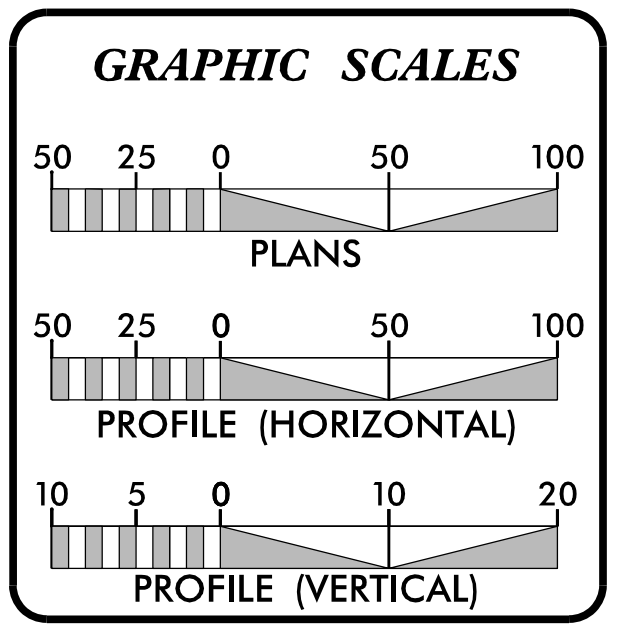


FINAL PLANS

CIVIL ENGINEERS
ENVIRONMENTAL - CEI
LAND SURVEYING
SUBSURFACE UTILITY ENGINEERING
SUITE 220, LANDMARK CENTER II,
4601 SIX FORKS ROAD
RALEIGH, NORTH CAROLINA 27609
(919) 783-9214
WWW.KCI.COM

CONTRACT: TIP PROJECT: B-5243

CONTRACT:



SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	GENERAL NOTES
UO-3	CONVENTIONAL PLAN SHEET SYMBOLS
UO-4 THRU UO-5	UTILITIES BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT	
(A)	DUKE - POWER (DISTRIBUTION)
(B)	TIME WARNER CABLE - (COMMUNICATIONS)
(C)	MCNC - (COMMUNICATIONS)
(D)	BROADPLEX - (COMMUNICATIONS)
(E)	WINDSTREAM - (COMMUNICATIONS)
(F)	PIEDMONT NATURAL GAS - (GAS DISTRIBUTION)

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

<u>Roger Worthington, P.E.</u>	UTILITIES SECTION ENGINEER
<u>Carl Barclay, P.E.</u>	UTILITIES SQUAD LEADER PROJECT ENGINEER
<u>Michael R. Bright</u>	UTILITIES PROJECT DESIGNER

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Joshua Barbour - Division: P007 - Utility Services Emp



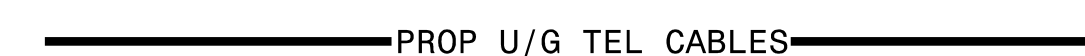

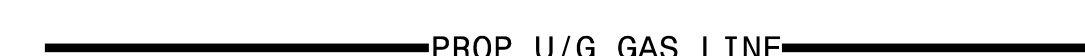

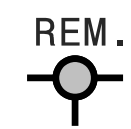

INDEX OF SHEETS

SHEET NUMBER	SHEET
U0-1	TITLE SHEET
U0-2	INDEX OF SHEETS, STANDARD DRAWINGS, GENERAL NOTES
U0-3	CONVENTIONAL PLAN SHEET SYMBOLS
U0-4 THRU U0-5	UBO PLAN SHEETS

UTILITY CONTACTS

UTILITY	CONTACT NAME	CONTACT PHONE NUMBER
DUKE ENERGY	DON LEFLER	336-341-6370
TIME WARNER CABLE	CHERYL JOHNSON	980-722-6231
MCNC	PAUL SHAW	704-363-0021
BROADPLEX	JEFF MATTHEWS	828-228-2034
WINDSTREAM	MIKE FOSTER	704-575-3770
PIEDMONT NATURAL GAS	WALTER EDWARDS	980-722-8710

LEGEND

	PROP O/H POW LINES (TRANS)	PROPOSED OVERHEAD POWER TRANSMISSION LINE
	PROP O/H TEL & CATV LINES	PROPOSED OVERHEAD CATV & TELEPHONE CABLES
	PROP U/G TEL CABLES	PROPOSED UNDERGROUND TELEPHONE CABLES
	TEMP U/G TEL CABLES	TEMPORARY UNDERGROUND TELEPHONE CABLES
	PROP U/G GAS LINE	PROPOSED GAS LINE
	ABANDON	EXISTING UTILITY TO BE ABANDONED IN PLACE (BY CORRESPONDING UTILITY COMPANY)
	REM.	EXISTING UTILITY POLE TO BE REMOVED (BY CORRESPONDING UTILITY COMPANY)
		PROPOSED UTILITY POLE (BY CORRESPONDING UTILITY COMPANY)

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 Joshua Barbour - Division 2007 Utility Services Emp

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

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

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	○ CSX TRANSPORTATION MILEPOST 35
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	○ R W
Proposed Right of Way Line with Concrete or Granite RW Marker	○ R W
Proposed Control of Access Line with Concrete CA Marker	○ C A
Existing Control of Access	○ C A
Proposed Control of Access	○ C A
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:

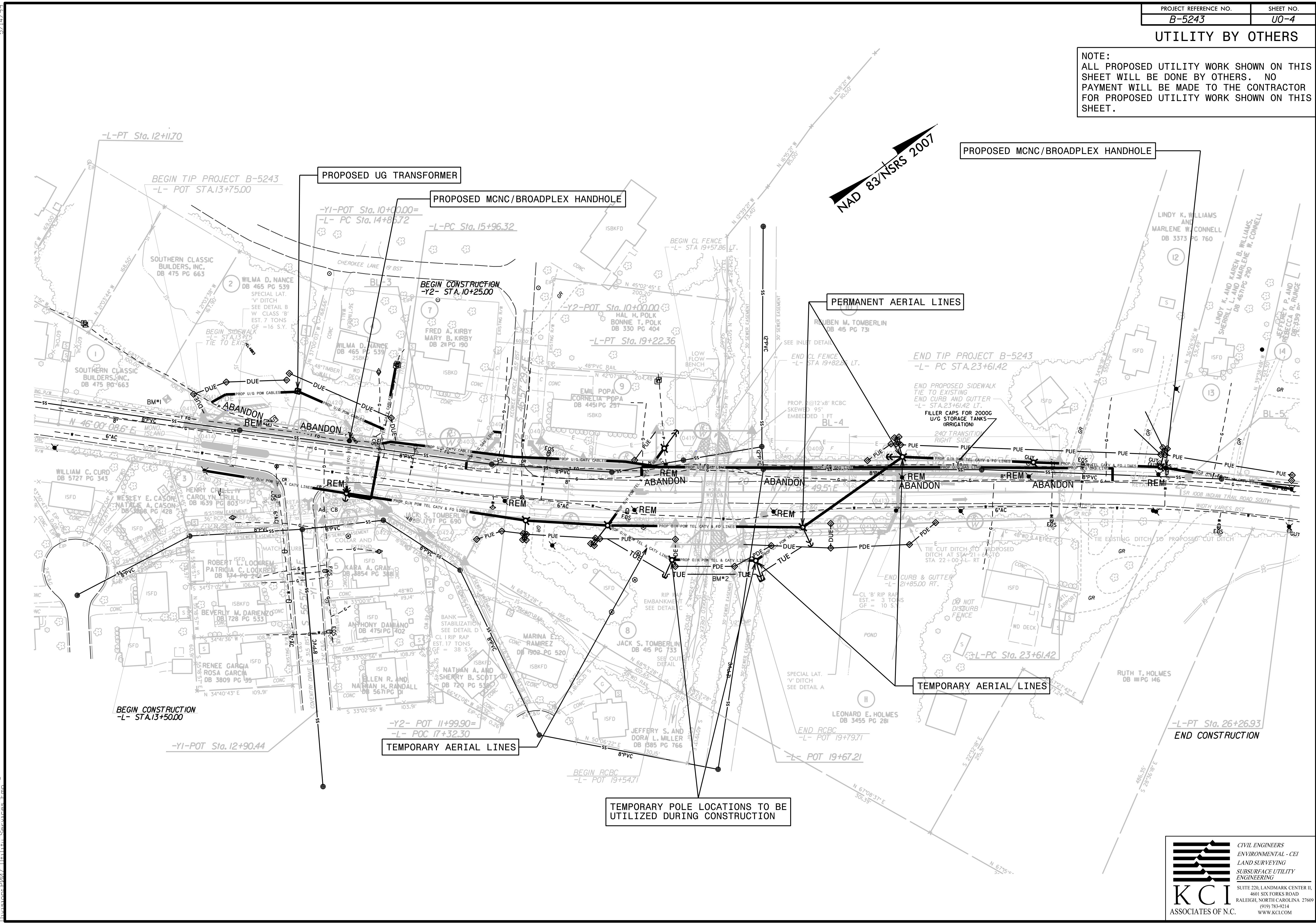
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
Recorded SS Forced Main Line	----- FSS
Designated SS Forced Main Line (S.U.E.*)	----- FSS

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	----- U/UL
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.

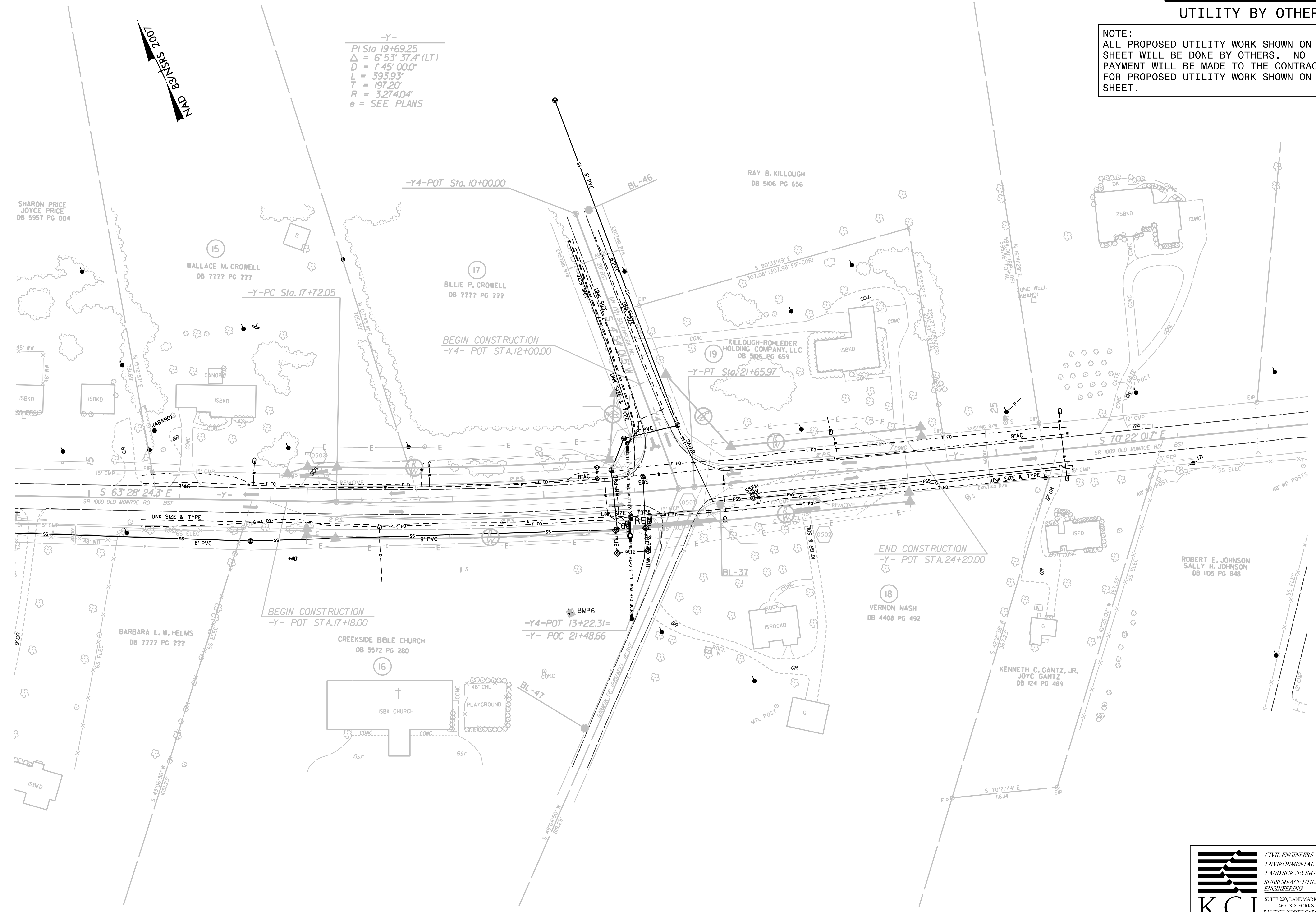


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5/14/99
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Division 0007 Utility Services.rvt



-Y-
 PI Sta 19+69.25
 $\Delta = 6^{\circ} 53' 37.4''$ (LT)
 $D = 145' 00.0''$
 $L = 393.93'$
 $T = 197.20'$
 $R = 3,274.04'$
 $e = \text{SEE PLANS}$

NAD 83
S 89° 13' 00" W
1007