

09/08/09

TIP : B-4861

CONTRACT: C203003

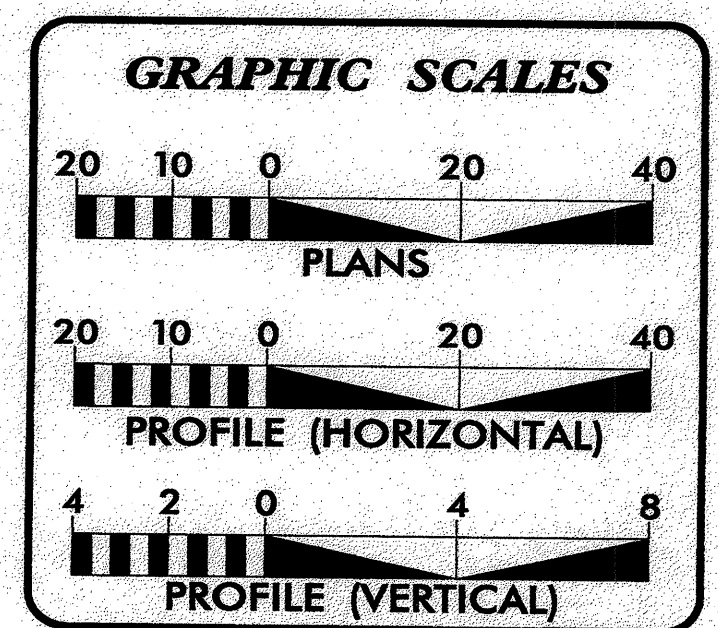
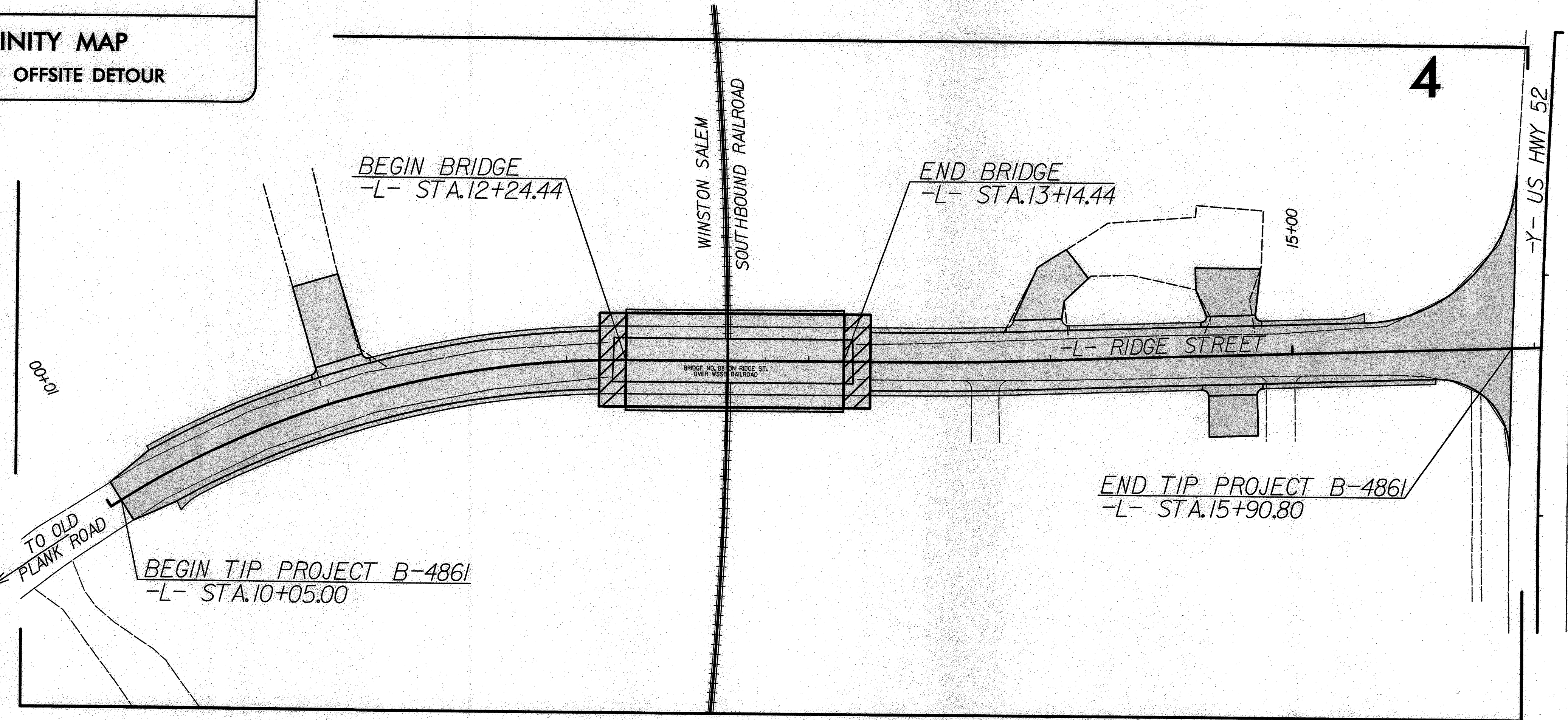
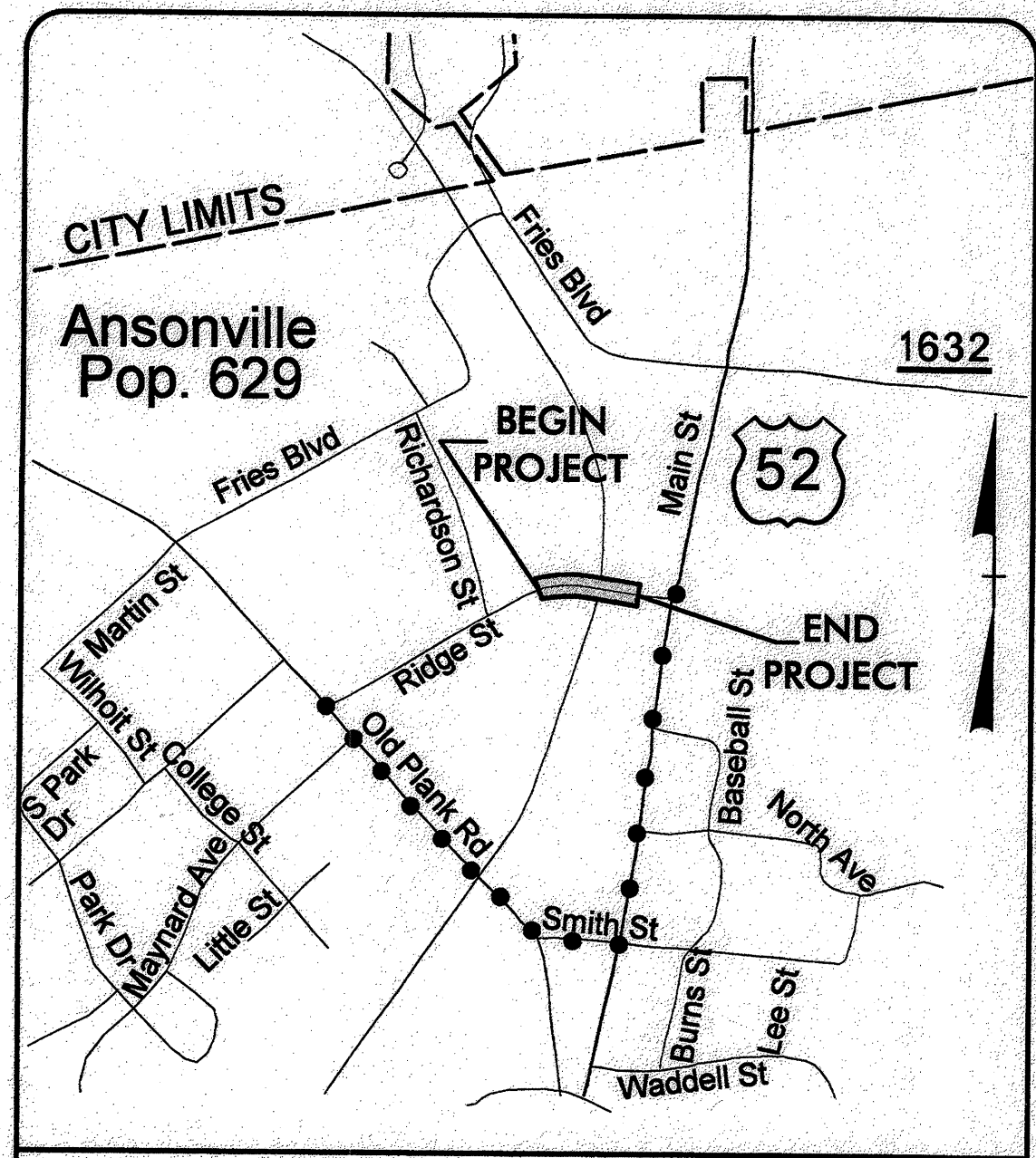
SYSTEM TIME: 09/08/09 10:00:00
USER: JLDON
USER NAME: JLDON

T.I.P. NO.	SHEET NO.
B-4861	UC-1

CITY OF ANSONVILLE
ANSON COUNTY
NORTH CAROLINA

UTILITY CONSTRUCTION PLANS

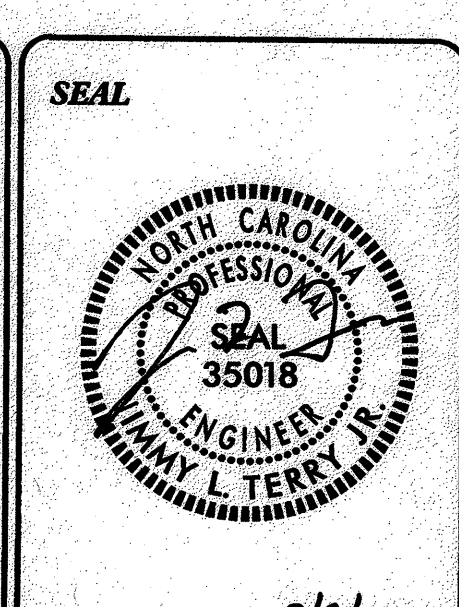
LOCATION: BRIDGE NO. 88 ON RIDGE STREET OVER WINSTON SALEM SOUTHBOUND RAILROAD
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE, & UTILITIES



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEET
UC-3	PROFILE SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) WATER & SEWER - CITY OF ANSONVILLE



Plans Prepared By:
TGS ENGINEERS
SUITE 141
975 WALNUT STREET
CARY, NC 27511
PH (919) 319-8850

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
APRIL 24, 2009

LETTING DATE:
MAY 15, 2012

Plans Prepared For:
CITY OF ANSONVILLE
P.O. BOX 437
ANSONVILLE, NC 28007

JIMMY L. TERRY, PE
PROJECT ENGINEER

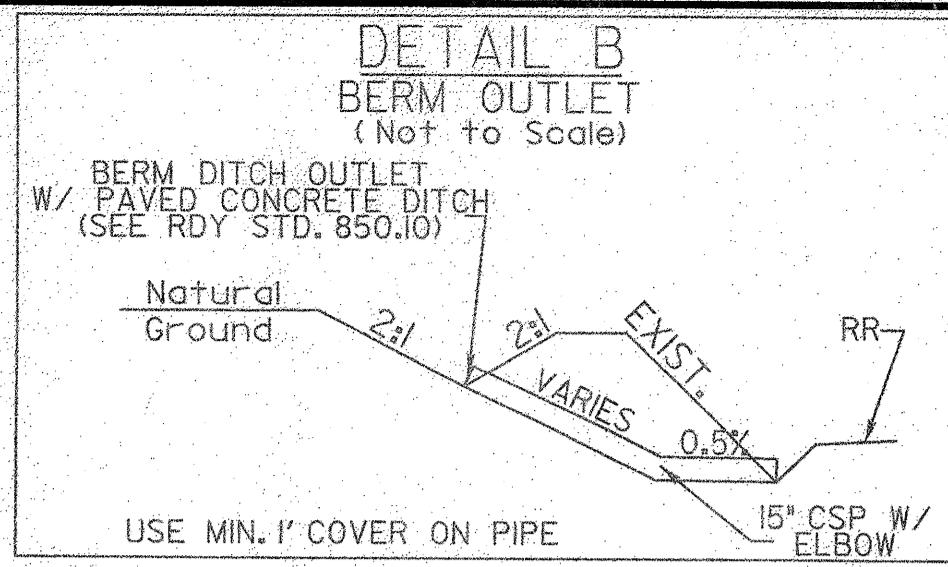
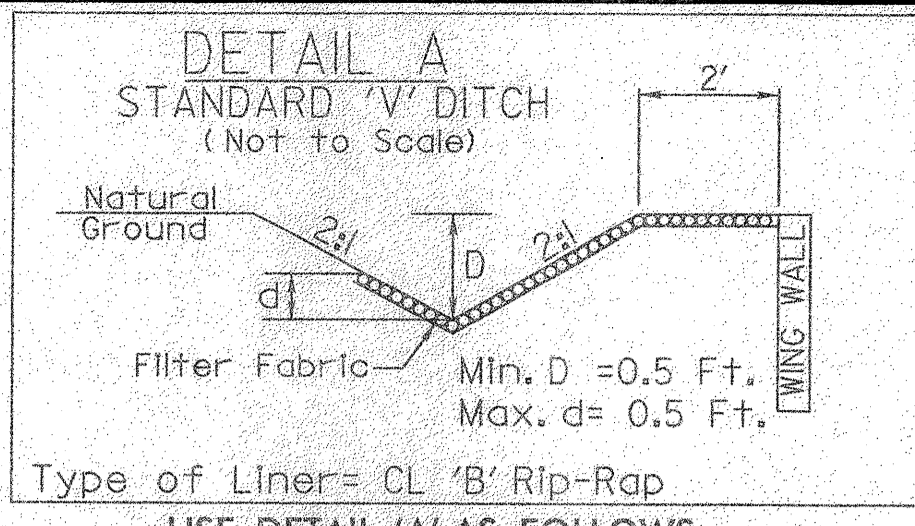
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM ESTABLISHED BY NCDOT FOR NGS MONUMENT "ANSONVILLE" WITH NAD83 STATE PLANE GRID COORDINATES: N 496456.8024 (F) E 1669078.9814 (F). THE AVERAGE COMBINED GRID FACTOR USED (GROUND TO GRID) WAS 0.99987568 AND ALL LINEAR DIMENSIONS WERE LOCALIZED HORIZONTAL DISTANCES BASED ON FIELD MEASUREMENTS. ALL BEARINGS WERE BASED ON NAD83 (GRID NORTH).

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "ANSONVILLE" TO L-STA. 10+05.00 IS S 87°38'44.6350" W DISTANCE 735.3024 (F)

NOTE: ALL LINEAR DISTANCES ARE LOCALIZED HORIZONTAL DISTANCES.

THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88 BASED FROM VERTICAL CONTROL ON BENCHMARK "B4447-2", HAVING THE FOLLOWING COORDINATE VALUES: NORTHING: 496456.8024 EASTING: 1669078.9814 ELEVATION: 363.91.

NOTE: TGS ENGINEERS ESTABLISHED ALL BASELINE POINTS IN DECEMBER, 2005.



PROJECT REFERENCE NO. **B-4861** SHEET NO. **UC-2**

DESIGNED BY: **JLT**
 DRAWN BY: **SGM**
 CHECKED BY: **JLT**
 APPROVED BY:
 REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITY CONSTRUCTION PLANS ONLY

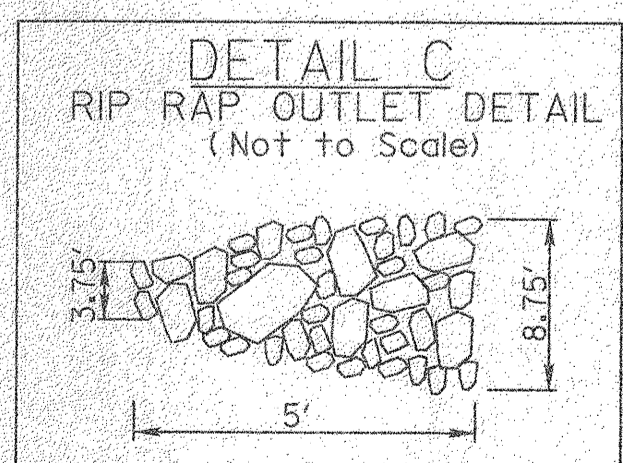
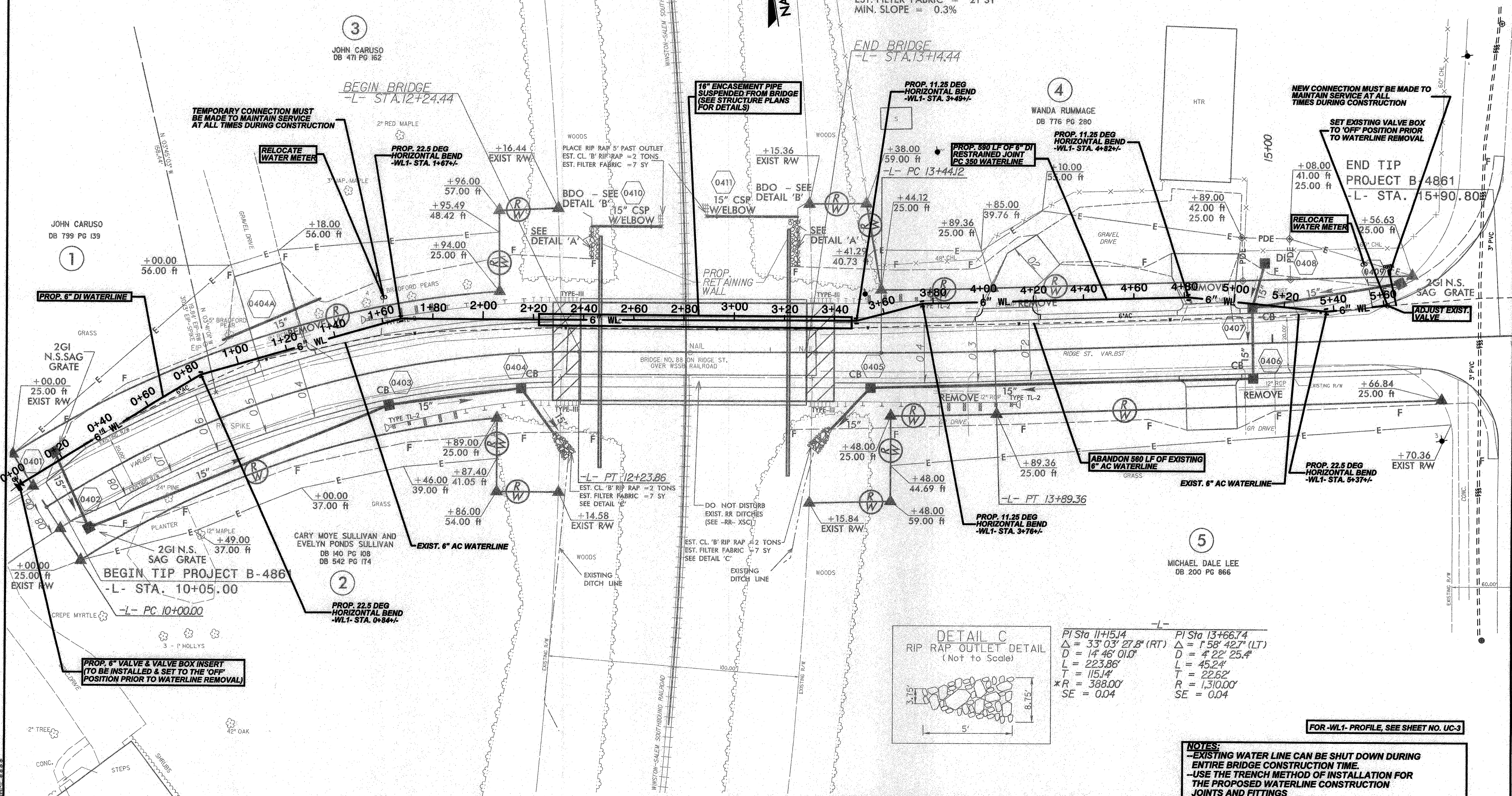
TGS ENGINEERS
 SUITE 141
 975 WALNUT STREET
 CARY, NC 27511
 PH (919) 319-8850
 CORP. LICENSE NO. C-0275

Type of Liner = CL 'B' Rip-Rap

USE DETAIL 'A' AS FOLLOWS:
 FROM -L- STA. 12+28 +/-
 EST. CL 'B' RIP RAP = 5 TONS
 EST. FILTER FABRIC = 14 SY

FROM -L- STA. 13+11 +/-
 EST. CL 'B' RIP RAP = 7 TONS
 EST. FILTER FABRIC = 21 SY
 MIN. SLOPE = 0.3%

UTILITY CONSTRUCTION



PI Sta 11+15.14
 $\Delta = 33^{\circ} 03' 27.8''$ (RT)
 $D = 14' 46' 01.0''$
 $L = 223.86'$
 $T = 115.14'$
 $\ast R = 388.00'$
 $SE = 0.04$

PI Sta 13+66.74
 $\Delta = 1^{\circ} 58' 42.7''$ (LT)
 $D = 4' 22' 25.4''$
 $L = 45.24'$
 $T = 22.62'$
 $R = 1,310.00'$
 $SE = 0.04$

FOR -WL1- PROFILE, SEE SHEET NO. UC-3



NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES AND THEIR LOCATIONS AFFECTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 105-8 OF THE STANDARD SPECIFICATIONS.

NOTES:
 -EXISTING WATER LINE CAN BE SHUT DOWN DURING ENTIRE BRIDGE CONSTRUCTION TIME.
 -USE THE TRENCH METHOD OF INSTALLATION FOR THE PROPOSED WATERLINE CONSTRUCTION JOINTS AND FITTINGS
 -PROVIDE THRUST RESTRAINT FOR PIPE & APPURTENANCES IN ACCORDANCE WITH SECTION 1505-3 OF THE STANDARD SPECIFICATIONS.
 -MAXIMUM SPACING BETWEEN INSIDE DIAMETER OF 16" ENCASEMENT PIPE AND SPACER SHALL BE LIMITED TO 1".

5/14/09

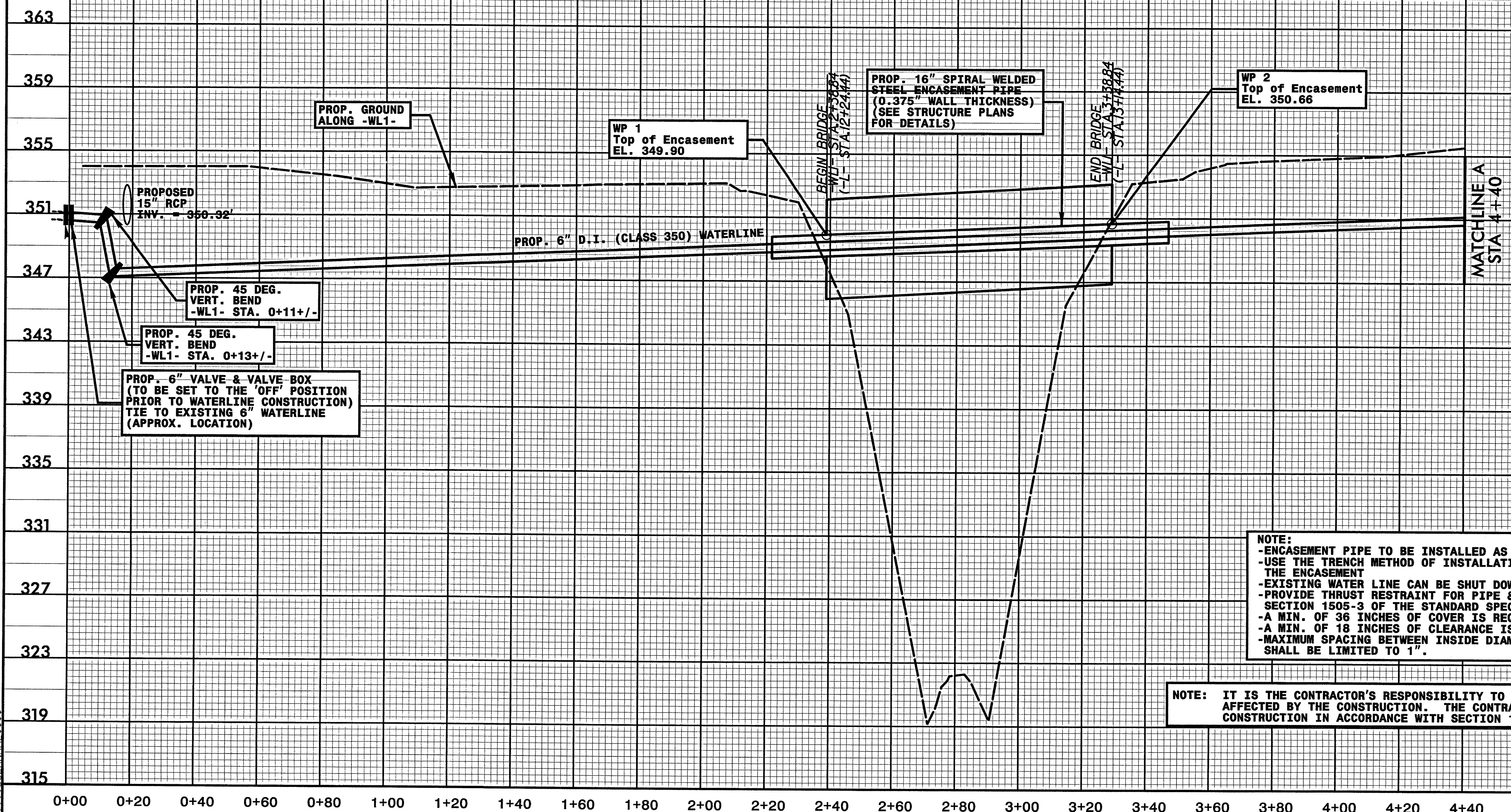
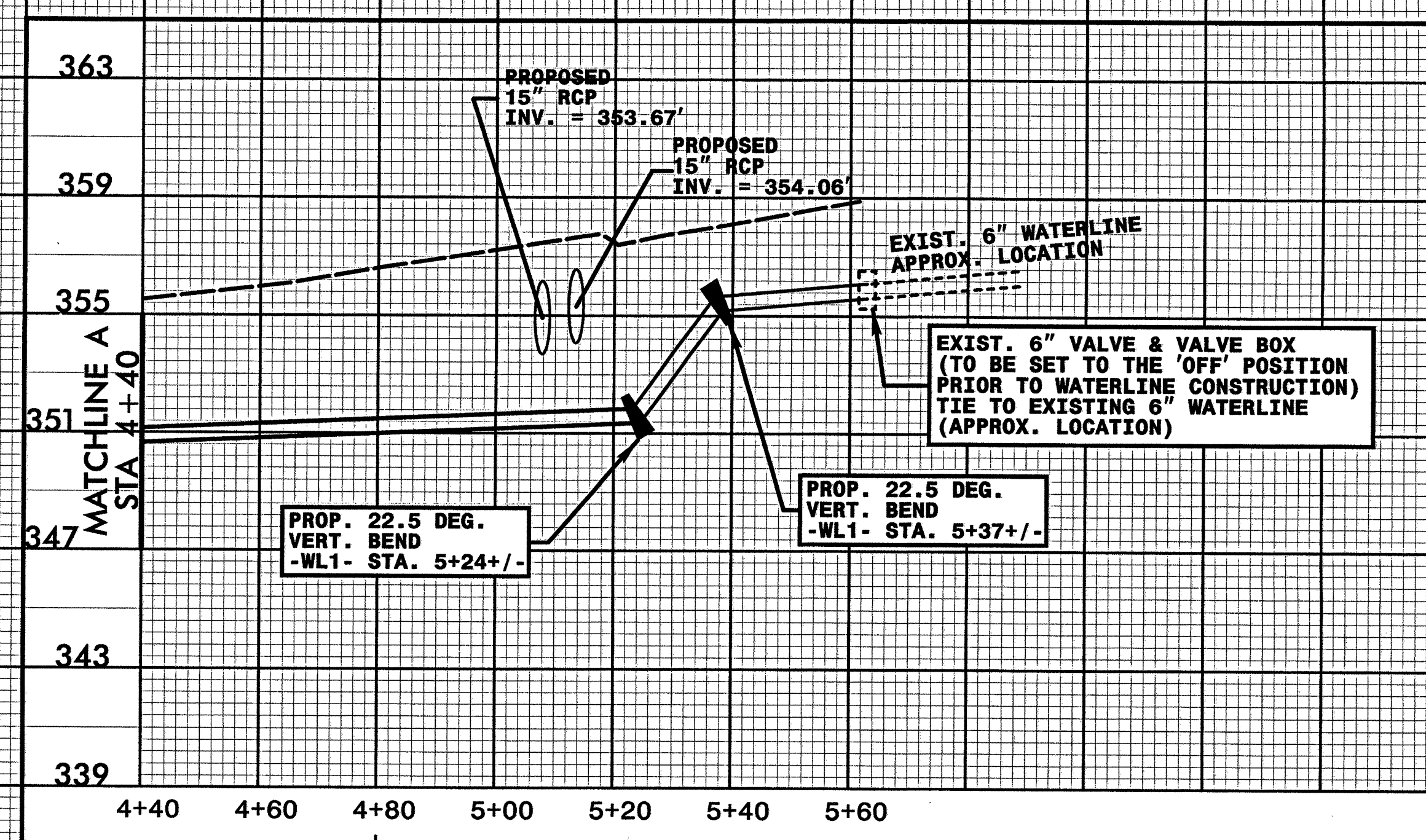
5/14/99

BM1 ELEVATION = 357.48
N 496253 E 1668874
-L- STA. 15+62.08, OFFSET 153.79' RT
RR SPIKE SET IN 14" PINE TREE 150'
SOUTH OF RIDGE ST. ON WEST SIDE OF HWY
52

PROJECT REFERENCE NO. B-4861	SHEET NO. UC-3
DESIGNED BY: JLT	
DRAWN BY: SGM	
CHECKED BY: JLT	
APPROVED BY: JLT	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
	
TGS ENGINEERS SUITE 141 975 WALNUT STREET CARY, NC 27511 PH (919) 319-8850 CORP. LICENSE NO. C-0275	

UTILITY CONSTRUCTION

-WL1-



NOTE:

- ENCASEMENT PIPE TO BE INSTALLED AS SHOWN ON STRUCTURE PLANS.
- USE THE TRENCH METHOD OF INSTALLATION FOR THE 6" WATERLINE EITHER SIDE OF THE ENCASEMENT
- EXISTING WATER LINE CAN BE SHUT DOWN DURING ENTIRE BRIDGE CONSTRUCTION TIME.
- PROVIDE THRUST RESTRAINT FOR PIPE & APPURTENANCES IN ACCORDANCE WITH SECTION 1505-3 OF THE STANDARD SPECIFICATIONS.
- A MIN. OF 36 INCHES OF COVER IS REQUIRED FOR PROPOSED 6" WATER LINE.
- A MIN. OF 18 INCHES OF CLEARANCE IS REQUIRED AT ALL STORM DRAIN CROSSINGS.
- MAXIMUM SPACING BETWEEN INSIDE DIAMETER OF 16" ENCASEMENT PIPE AND SPACER SHALL BE LIMITED TO 1'.

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES AND THEIR LOCATIONS AFFECTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 105-8 OF THE STANDARD SPECIFICATIONS.

FOR -WL1- PLAN, SEE SHEET NO. UC-2

5/14/99