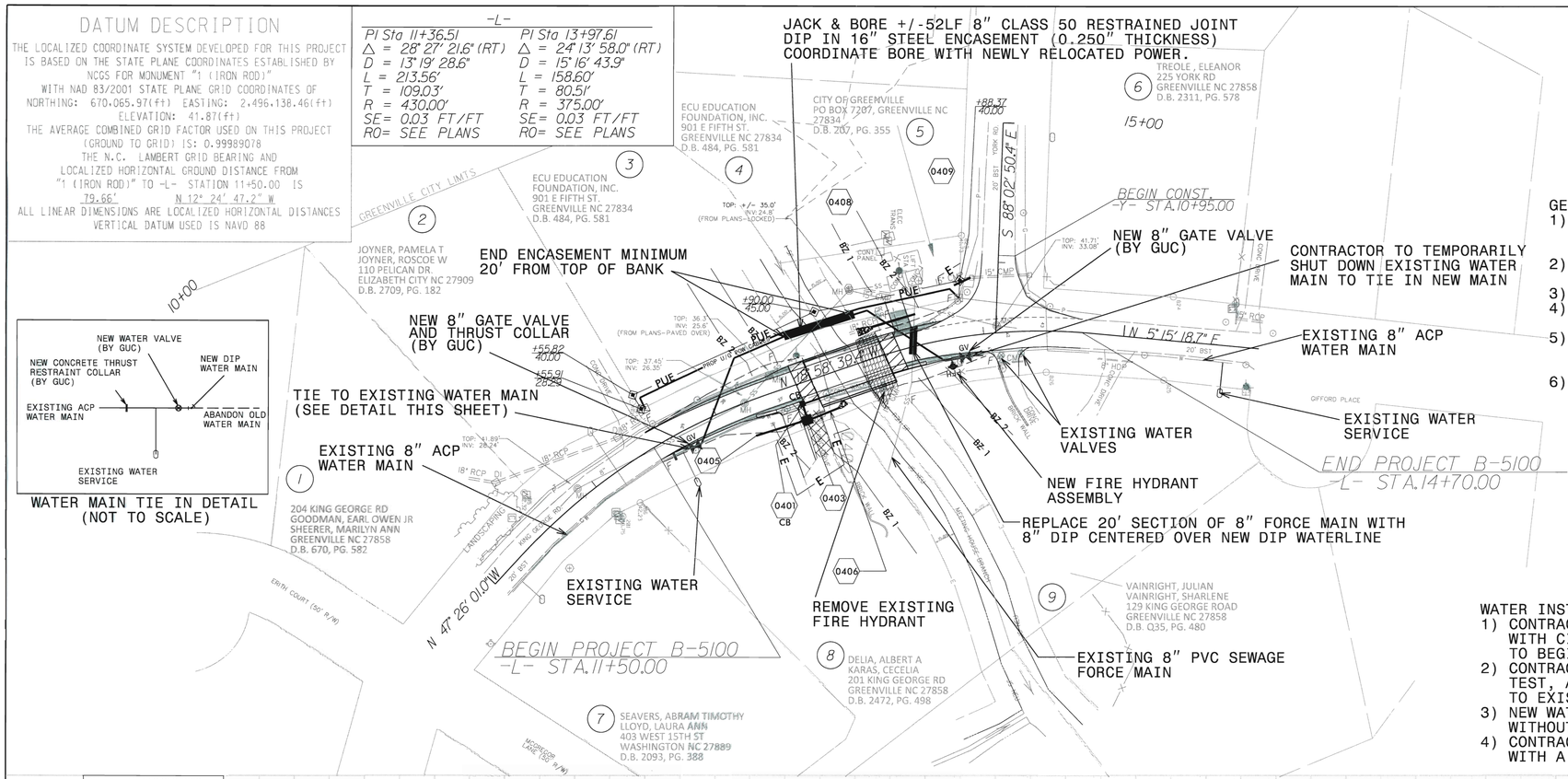
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "1 (IRON ROD)"
WITH NAD 83/2001 STATE PLANE GRID COORDINATES OF
NORTHING: 670,065.97(ft) EASTING: 2,496,138.46(ft)
ELEVATION: 41.87(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989078
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "1 (IRON ROD)" TO -L- STATION 11+50.00 IS
79.66' N 12° 24' 47.2" W
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

-L-	
PI Sta 11+36.51	PI Sta 13+97.61
△ = 28° 27' 21.6" (RT)	△ = 24° 13' 58.0" (RT)
D = 13° 19' 28.6"	D = 15° 16' 43.9"
L = 213.56'	L = 158.60'
T = 109.03'	T = 80.51'
R = 430.00'	R = 375.00'
SE= 0.03 FT/FT	SE= 0.03 FT/FT
RO= SEE PLANS	RO= SEE PLANS



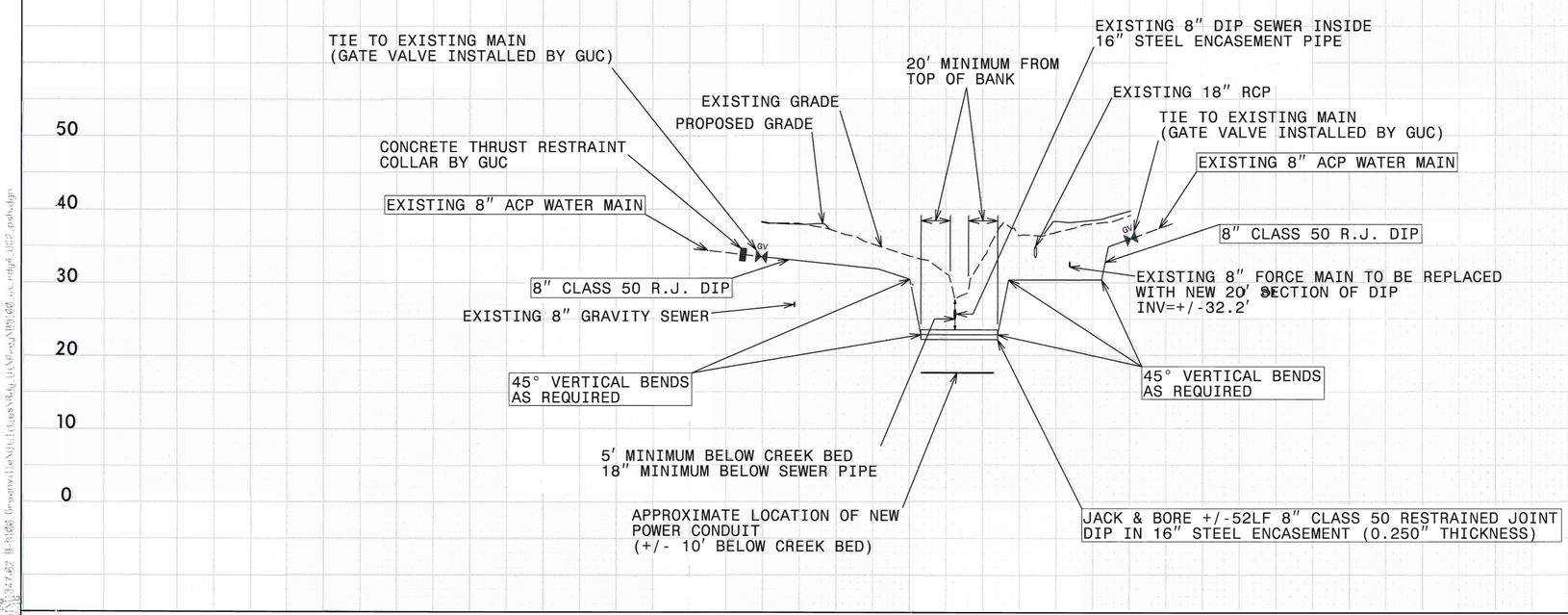
WATER MAIN TIE IN DETAIL (NOT TO SCALE)

GENERAL INSTALLATION NOTES:
1) ALL WORK SHALL BE IN ACCORDANCE WITH: CITY OF GREENVILLE, GUC, AND NCDENR DEH PWS STANDARDS AND SPECIFICATIONS
2) CONTRACTOR TO MAINTAIN CONTINUOUS ACCESS TO PUMP STATION DURING CONSTRUCTION.
3) ALL NEW WATER PIPE TO BE CLASS 50 RESTRAINED JOINT DIP.
4) NEW WATER SERVICE TO PUMP STATION TO INSTALLED BY GUC. CONTRACTOR SHALL COORDINATE THIS WORK WITH GUC.
5) NEW 20' SECTION OF 8" SEWAGE FORCEMAIN SHALL BE CLASS 50 DIP WITH PROTECTO 401 CERAMIC EPOXY LINING. CONTRACTOR SHALL USE GUC APPROVED PRESSURE COUPLINGS.
6) CONTRACTOR SHALL LOCATE THE NEWLY RELOCATED POWER CONDUIT BEFORE BEGINNING WORK AND COORDINATE CONSTRUCTION TO AVOID DAMAGE TO THE NEW POWER CONDUIT.

WATER INSTALLATION NOTES:
1) CONTRACTOR SHALL COORDINATE ALL PROPOSED WORK WITH CITY OF GREENVILLE DIRECTOR & GUC ENGINEER PRIOR TO BEGINNING WORK.
2) CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST, AND CHLORINATE NEW WATER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
3) NEW WATER MAIN IS NOT TO BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH GUC.
4) CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF SIX HOURS.

BM #1, N 669,950.1850
E 2,496,455.6650
ELEV. = 56.55'

SCALE:
V: 1"=10'
H: 1"=50'



SEAL

REVISIONS

NO.	DATE	DESCRIPTION	BY

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License No. F-0377
ETHERILL ENGINEERING
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

B-5100, BRIDGE NO. 421

CITY OF GREENVILLE
PITT COUNTY NORTH CAROLINA

UTILITY CONSTRUCTION

DATE:	9/12/2011
SCALE:	1" = 50'
DRAWN:	BAM
CHECKED:	
PROJ. NO.:	B-5100
SHEET:	UC-1