PROJECT REFERENCE NO.	SHEET NO.
17.BP.2.R.55	UC3

UTILITIES ENGINEER

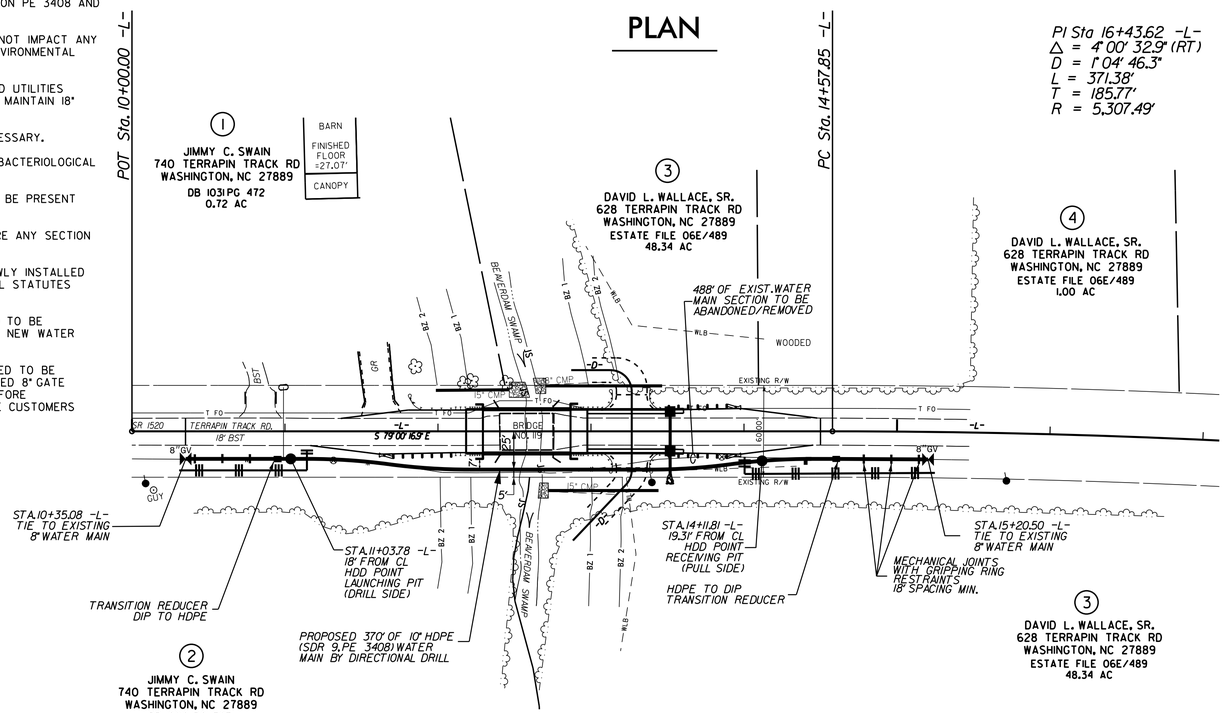
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11274 BRYCE EDWARD EATMON 11/18/2015

UTILITY CONSTRUCTION

PLAN

NOTES:

1. 10" HDPE WATER MAIN TO CONFORM TO THE FOLLOWING: AWWA C906, AWWA M55, PRESSURE CLASS 200, DR9, DUCTILE IRON PIPE SIZE (DIPS) DIMENSIONS, AND MATERIAL DESIGNATION PE 3408 AND NSF APPROVED FOR POTABLE WATER.
2. THE PROPOSED WATER LINE RELOCATION DOES NOT IMPACT ANY ENVIRONMENTALLY SENSITIVE AREAS AND NO ENVIRONMENTAL PERMITS ARE REQUIRED.
3. LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY CONTRACTOR AND MAINTAIN 18" MINIMUM VERTICAL SEPARATION.
4. RECONNECT ALL WATER SERVICE LINES AS NECESSARY.
5. BEAUFORT COUNTY WATER WILL COLLECT ALL BACTERIOLOGICAL WATER SAMPLES.
6. A BEAUFORT COUNTY EMPLOYEE WILL HAVE TO BE PRESENT FOR THE PRESSURE TEST.
7. A MINIMUM 48 HOUR NOTICE IS REQUIRED BEFORE ANY SECTION OF THE WATER MAIN CAN BE SHUT DOWN.
8. TRACER WIRE NEEDS TO BE ADDED TO ALL NEWLY INSTALLED PIPE AS REQUIRED BY NORTH CAROLINA GENERAL STATUTES CHAPTER 87-121G
9. A TEMPORARY BLOW OFF ASSEMBLY WILL NEED TO BE INSTALLED FOR THE PURPOSE OF FLUSHING THE NEW WATER LINE.
10. THE SERVICE LINE TAP FOR PARCEL 1 WILL NEED TO BE RELOCATED TO THE WEST SIDE OF THE PROPOSED 8" GATE VALVE ON THE EXISTING 8" PVC WATER LINE BEFORE CONSTRUCTION BEGINS AS NOT TO DISRUPT THE CUSTOMERS SERVICE.



50 25 0 50 100
PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-2"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 663579.332(ft) EASTING: 2617451.194(ft)
ELEVATION: 33.62(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989076
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-2" TO -L- STATION 10+00 IS S 77° 54' 58.03" E 361.26'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

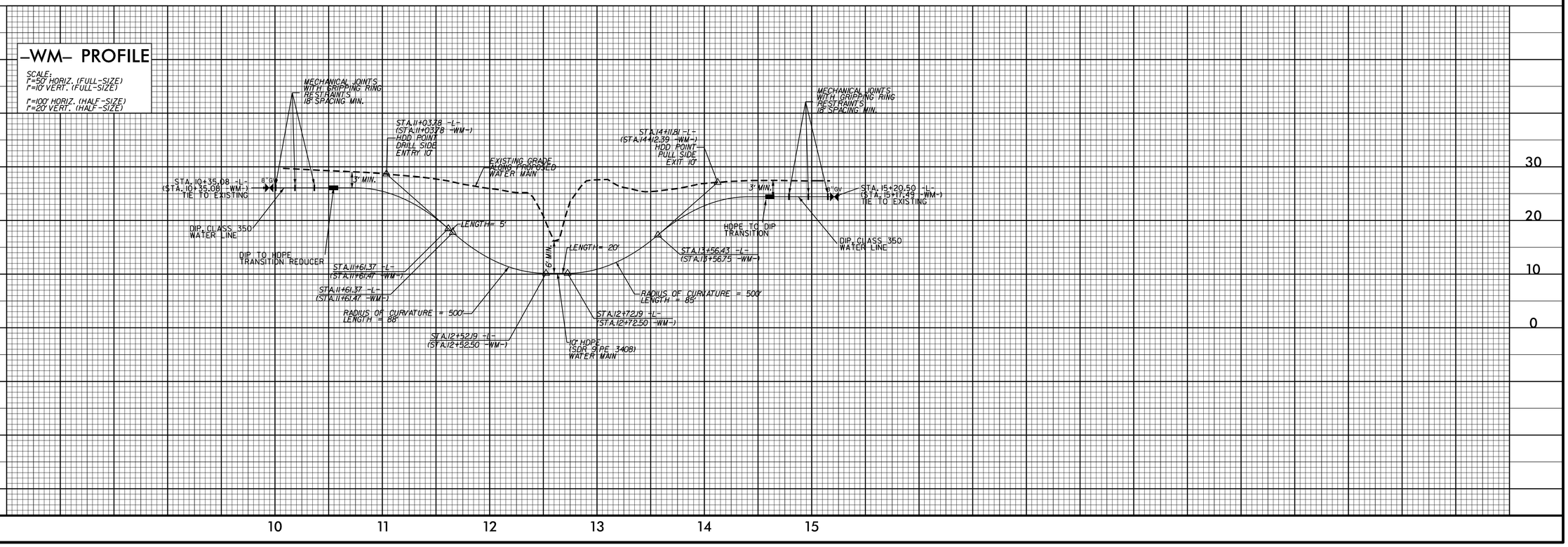
Point	North	East	Elevation	Description
3	663432.3670	2618082.4690	28.4500	BL-3
4	663384.0560	2618339.6830	28.3000	BL-4
100	663492.7630	2618038.4140	25.1300	NCGS "V212"-1979
GPS2	663579.3320	2617451.1940	33.6200	06-0119 GPS-2

LEGEND:

Temporary Silt Fence
Gate Valve
HDPE to DIP Transition
Mechanical Joint with Gripping Ring Restraint

-WM- PROFILE

SCALE:
1"=50' HORIZ. (FULL-SIZE)
1"=10' VERT. (FULL-SIZE)
1"=100' HORIZ. (HALF-SIZE)
1"=20' VERT. (HALF-SIZE)



REVISIONS

8/17/99

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