PROJECT REFERENCE NO.	SHEET NO.
W-5206Z	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14493 ENGINEER JAMES S. GOODNIGHT, JR.

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON

jgoodnight@vhb.com Digitally signed by jgoodnight@vhb.com DN: cn=jgoodnight@vhb.com Date: 2015.01.28 17:16:47 -05'00'

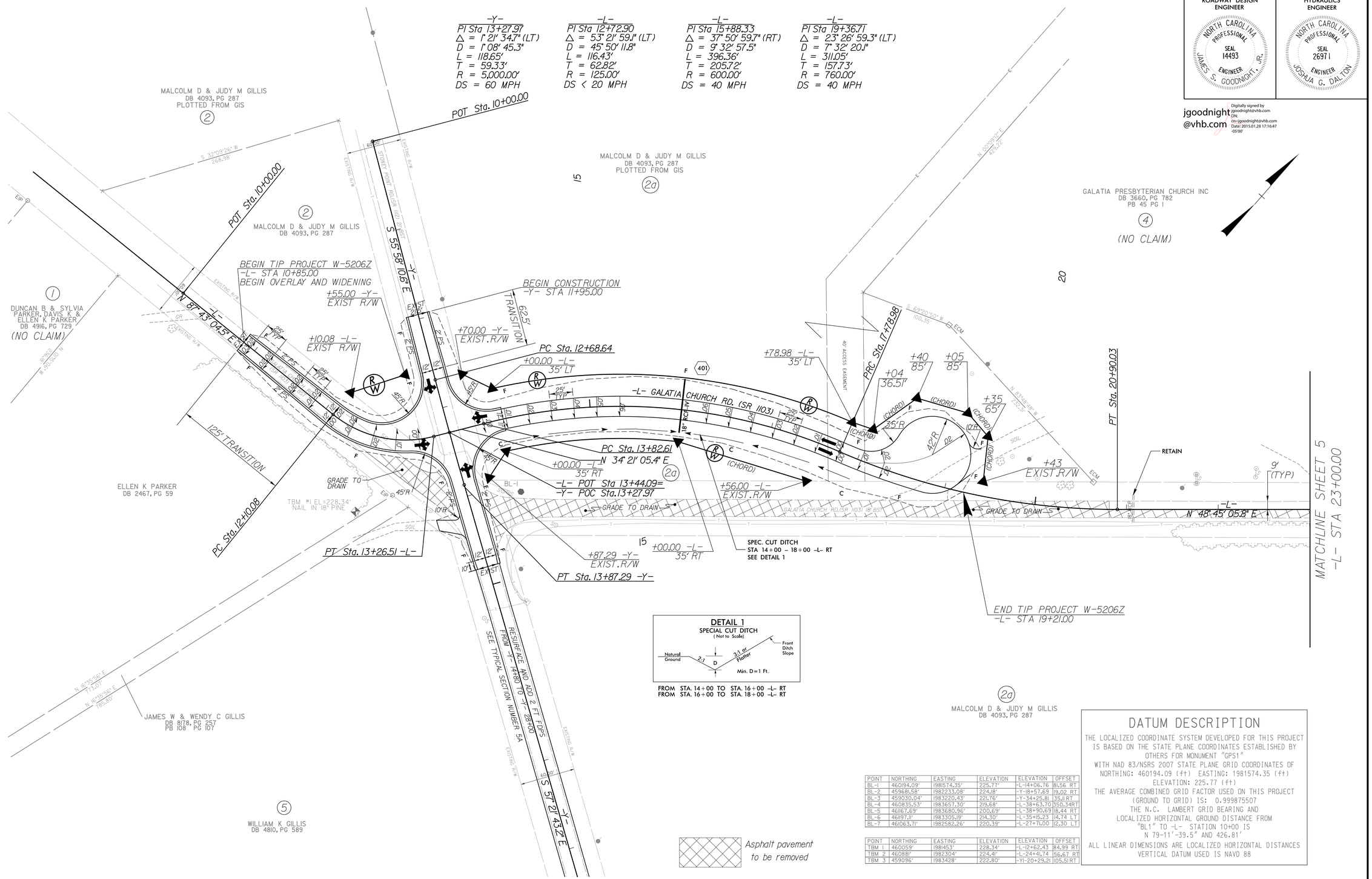
5/14/99

-Y-
PI Sta 13+27.97
Δ = 1° 21' 34.7" (LT)
D = 1° 08' 45.3"
L = 118.65'
T = 59.33'
R = 5,000.00'
DS = 60 MPH

-L-
PI Sta 12+72.90
Δ = 53° 21' 59.1" (LT)
D = 45° 50' 11.8"
L = 116.43'
T = 62.82'
R = 125.00'
DS < 20 MPH

-L-
PI Sta 15+88.33
Δ = 37° 50' 59.7" (RT)
D = 9° 32' 57.5"
L = 396.36'
T = 205.72'
R = 600.00'
DS = 40 MPH

-L-
PI Sta 19+36.71
Δ = 23° 26' 59.3" (LT)
D = 7° 32' 20.1"
L = 311.05'
T = 157.73'
R = 760.00'
DS = 40 MPH



DETAIL 1
SPECIAL CUT DITCH
(Not to Scale)

FROM STA. 14+00 TO STA. 16+00 -L- RT
FROM STA. 16+00 TO STA. 18+00 -L- RT

POINT	NORTHING	EASTING	ELEVATION	ELEVATION	OFFSET
BL-1	460194.09'	1981574.35'	225.77'	-L-14+06.76	81.56 RT
BL-2	459681.58'	1982233.08'	224.18'	-Y-18+57.69	19.02 RT
BL-3	459030.04'	1983220.43'	221.76'	-Y-34+25.81	135.11 RT
BL-4	460835.53'	1983657.30'	219.68'	-L-38+63.70	350.34RT
BL-5	461167.69'	1983680.96'	200.69'	-L-38+90.69	18.44 RT
BL-6	461197.11'	1983305.19'	214.30'	-L-35+15.23	14.74 LT
BL-7	461063.71'	1982582.26'	220.39'	-L-27+71.00	12.30 LT

POINT	NORTHING	EASTING	ELEVATION	ELEVATION	OFFSET
TBM 1	460059'	1981453'	228.34'	-L-12+62.43	84.99 RT
TBM 2	46088'	1982304'	224.41'	-L-24+41.74	56.67 RT
TBM 3	459096'	1983428'	222.80'	-Y1-20+29.21	105.51 RT

Asphalt pavement to be removed

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY OTHERS FOR MONUMENT "GPS1"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 460194.09 (ft) EASTING: 1981574.35 (ft)
ELEVATION: 225.77 (ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999875507
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"BL1" TO -L- STATION 10+00 IS
N 79-11'-39.5" AND 426.81'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

See sheet 9 for -L- profile

1/26/2015
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jgoodnight