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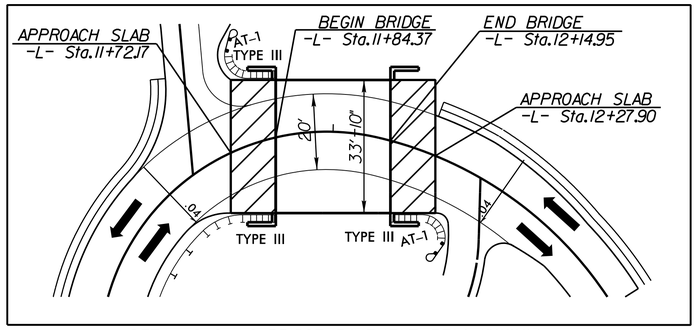
PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.42	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 16003 — Dan D. Halfpenny — DAN D. HALFPENNY — REGISTERED ENGINEER 10/28/2014

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 20744 — David L. Smith — DAVID L. SMITH — REGISTERED ENGINEER 10/28/2014

0' 20' 40'



DETAIL SHOWING BRIDGE/PAVEMENT RELATIONSHIP

NAD 83/NSRS 2007

REVISIONS

CURVE DATA FOR -L-

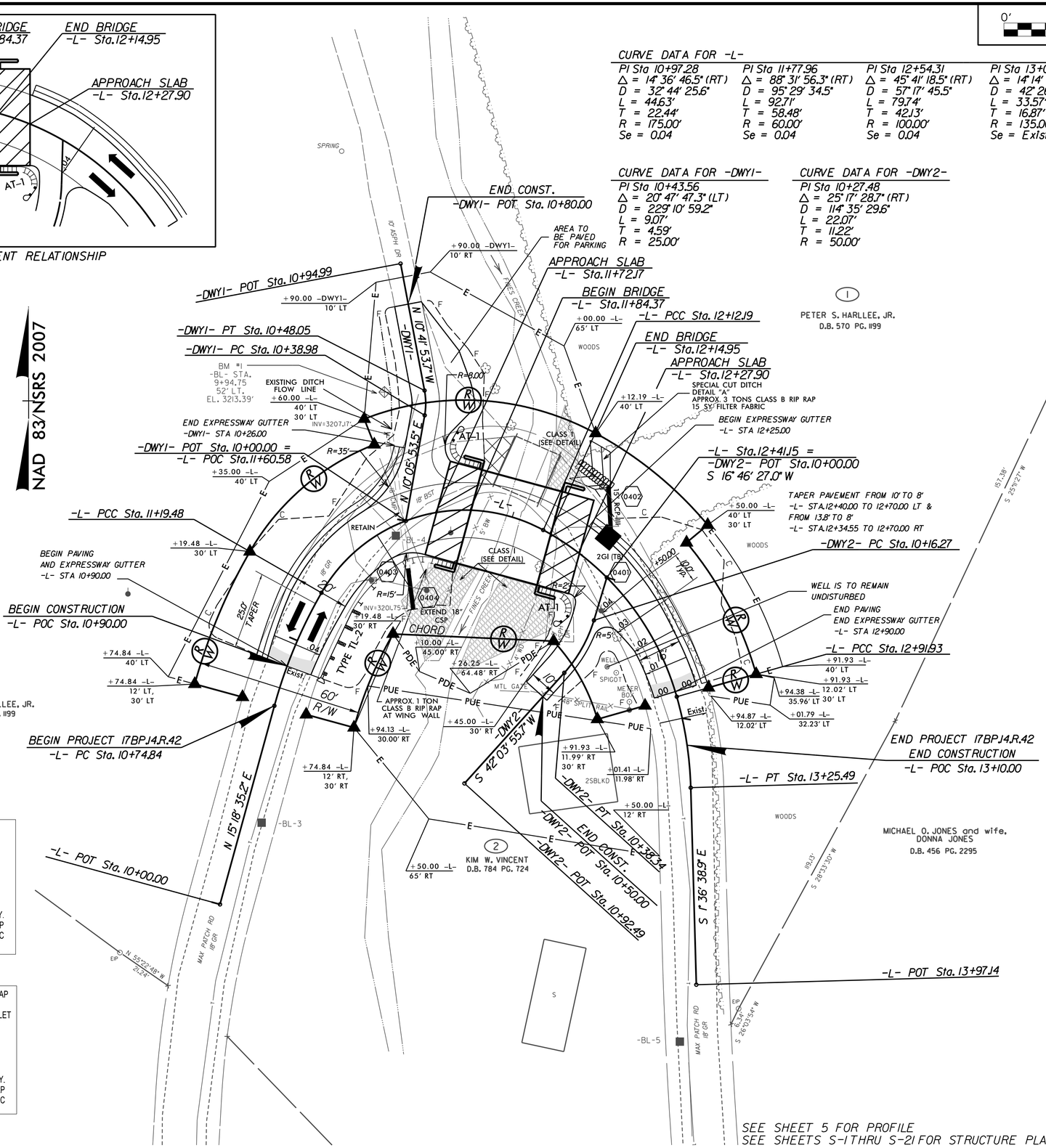
PI Sta 10+97.28	PI Sta 11+77.96	PI Sta 12+54.31	PI Sta 13+08.80
Δ = 14° 36' 46.5" (RT)	Δ = 88° 31' 56.3" (RT)	Δ = 45° 41' 18.5" (RT)	Δ = 14° 14' 44.5" (RT)
D = 32° 44' 25.6"	D = 95° 29' 34.5"	D = 57° 17' 45.5"	D = 42° 26' 26.4"
L = 44.63'	L = 92.71'	L = 79.74'	L = 33.57'
T = 22.44'	T = 58.48'	T = 42.13'	T = 16.87'
R = 175.00'	R = 60.00'	R = 100.00'	R = 135.00'
Se = 0.04	Se = 0.04	Se = 0.04	Se = Exist.

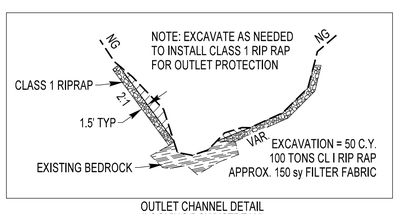
CURVE DATA FOR -DWY1-

PI Sta 10+43.56
Δ = 20° 47' 47.3" (LT)
D = 229° 10' 59.2"
L = 9.07'
T = 4.59'
R = 25.00'

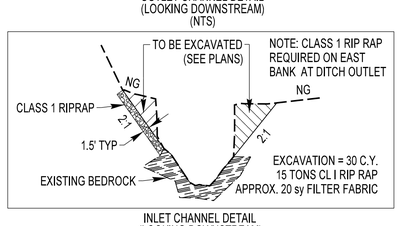
CURVE DATA FOR -DWY2-

PI Sta 10+27.48
Δ = 25° 17' 28.7" (RT)
D = 114° 35' 29.6"
L = 22.07'
T = 11.22'
R = 50.00'

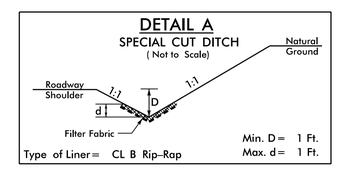




OUTLET CHANNEL DETAIL
(LOOKING DOWNSTREAM)
(NTS)



INLET CHANNEL DETAIL
(LOOKING DOWNSTREAM)
(NTS)



FROM STA. 12+10 TO STA. 12+25 LT.

DENOTES PAVEMENT REMOVAL

SEE SHEET 5 FOR PROFILE
SEE SHEETS S-1 THRU S-21 FOR STRUCTURE PLANS.

Rivers & Associates, Inc. — THE LOUIS BERGER GROUP, Inc. 1001 Wade Avenue, Suite 400 Raleigh, NC 27605-3322 — ROADWAY PLANS

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