PROJECT REFERENCE NO.	SHEET NO.
B-5947	2A-2

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022999, GREG S. PURVIS — DocuSigned by: Greg S. Purvis D1F0E7C256E3403... — 9/26/2022

PAVEMENT DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22896, CLARK S. MORRISON — DocuSigned by: Clark S. Morrison 16126B45C6CF44E... — 9/26/2022

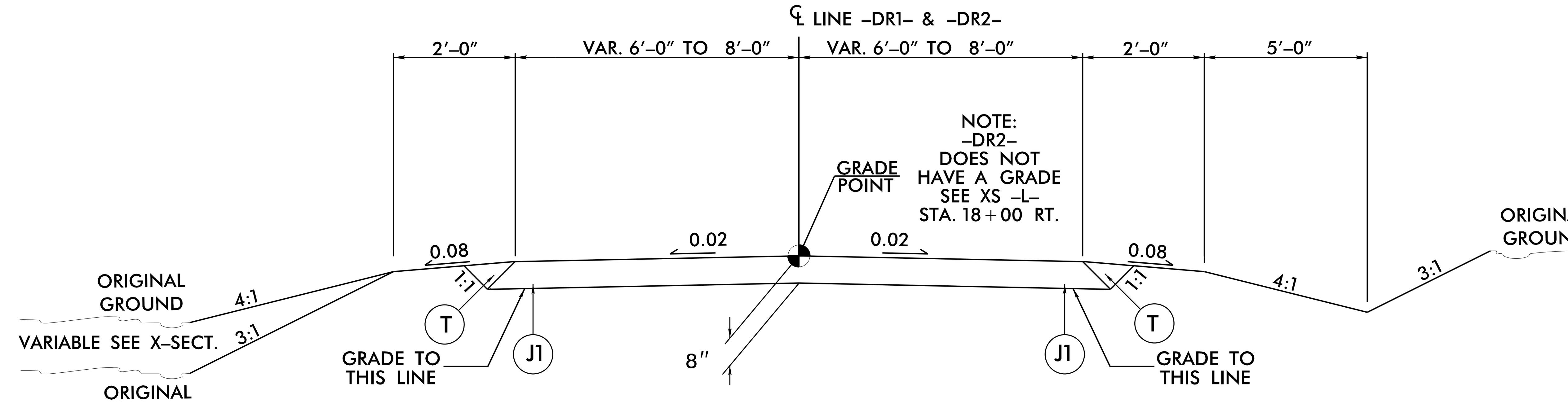
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1.5" IN DEPTH.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.
J1	PROP. APPROX. 8" AGGREGATE BASE COURSE
R1	SHOULDER BERM GUTTER
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT. (SEE MILLING DETAIL)
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 4

USE TYPICAL SECTION NO. 4 AS FOLLOWS:
-DR1- STA. 10+14.09 TO -DR1- STA. 15+62.09
-DR2- STA. 10+14.00 TO -DR2- STA. 11+86.35

CURVE DATA

-LREV-

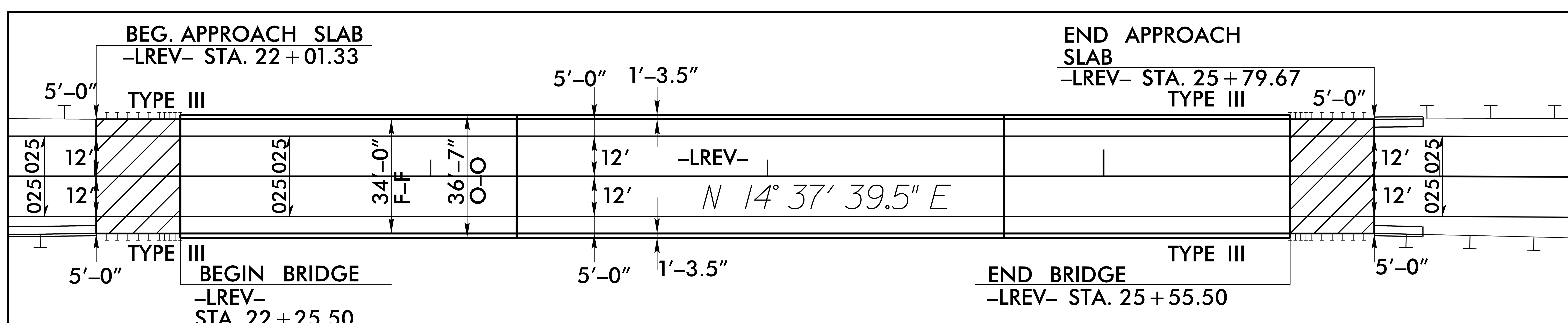
PI Sta 18+97.28	PI Sta 30+33.32	PI Sta 38+21.44
△ = 6° 21' 17.0" (RT)	△ = 4° 39' 02.3" (RT)	△ = 18° 11' 02.0" (LT)
D = 2° 04' 36.7"	D = 0° 30' 58.2"	D = 2° 42' 49.1"
L = 305.98'	L = 900.98'	L = 670.09'
T = 153.15'	T = 450.74'	T = 337.89'
R = 2,758.76'	R = 11,100.00'	R = 2,111.40'
DS = 60 MPH	DS = 60 MPH	DS = 60 MPH
SE = .06	SE = NC	SE = MATCH EXIST.
RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS

-DR1-

PI Sta 10+54.09	PI Sta 11+34.96	PI Sta 12+98.96	PI Sta 14+28.42	PI Sta 15+41.46
△ = 69° 12' 44.9" (RT)	△ = 22° 31' 51.6" (LT)	△ = 65° 56' 25.6" (RT)	△ = 22° 37' 18.9" (LT)	△ = 50° 55' 18.0" (LT)
D = 114° 35' 29.6"	D = 114° 35' 29.6"	D = 24° 05' 14.1"	D = 114° 35' 29.6"	D = 114° 35' 29.6"
L = 60.40'	L = 19.66'	L = 273.76'	L = 19.74'	L = 44.44'
T = 34.50'	T = 9.96'	T = 154.30'	T = 10.00'	T = 23.81'
R = 50.00'	R = 50.00'	R = 237.87'	R = 50.00'	R = 50.00'

-DR2-

PI Sta 10+35.38	PI Sta 11+72.22
△ = 84° 53' 03.5" (LT)	△ = 83° 34' 31.3" (RT)
D = 381° 58' 18.7"	D = 229° 10' 59.2"
L = 22.22'	L = 36.47'
T = 13.72'	T = 22.34'
R = 15.00'	R = 25.00'



SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP