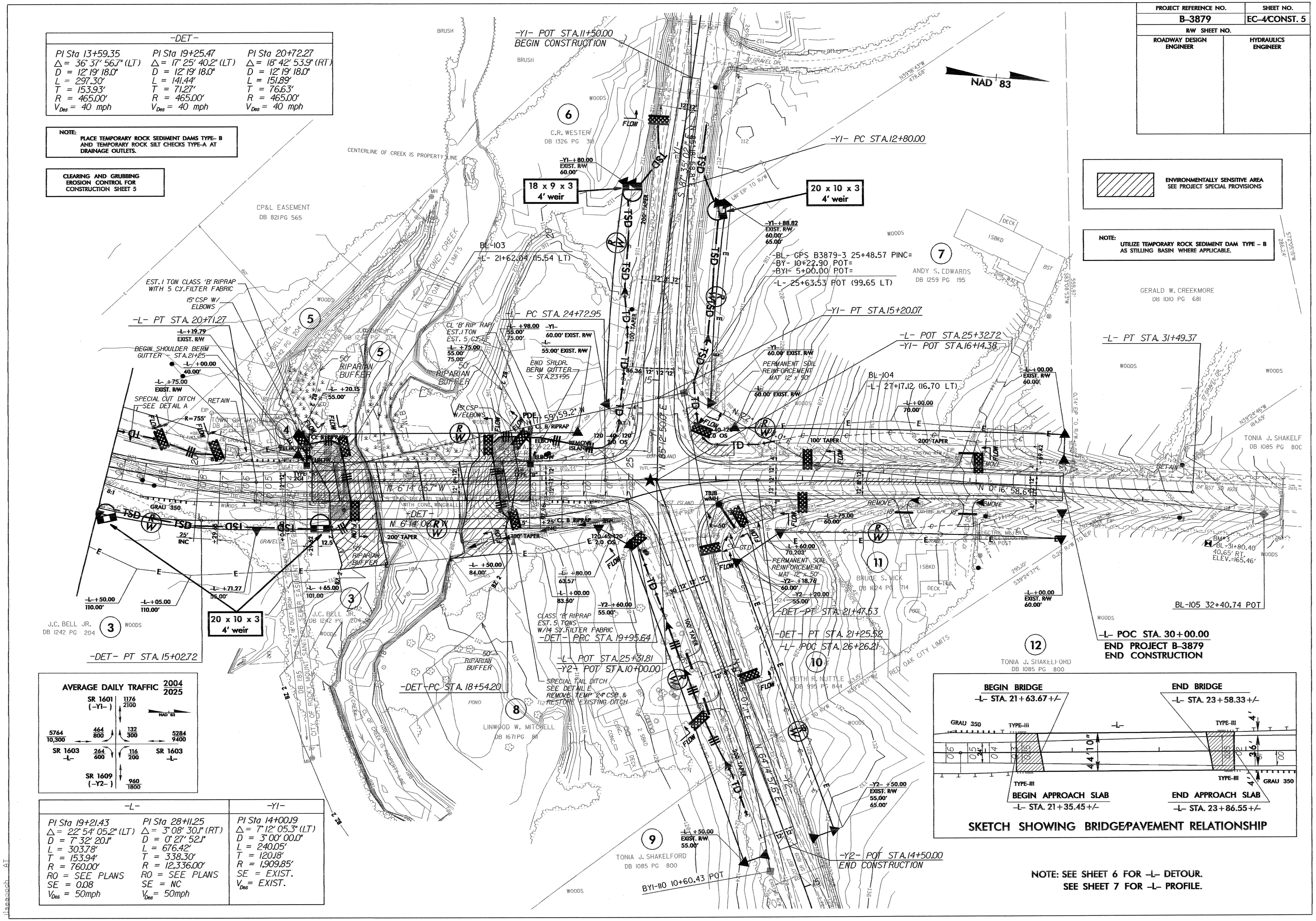
PROJECT REFERENCE NO.	SHEET NO.
B-3879	EC-4/CONST. 5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83
-Y1- POT STA.11+50.00
BEGIN CONSTRUCTION
-Y1- PC STA.12+80.00
18 x 9 x 3
4' weir
20 x 10 x 3
4' weir
C.R. WESTER
DB 1326 PG 318
CP&L EASEMENT
DB 821 PG 565
CENTERLINE OF CREEK IS PROPERTY LINE
STONEY CREEK
RED OAK CITY LIMITS
BL-103
-L- 21+62.04 (15.54 LT)
EST. 1 TON CLASS 'B' RIPRAP WITH 5 CY. FILTER FABRIC
15' CSP W/ ELBOWS
-L- PT STA. 20+71.27
-L- PC STA. 24+72.95
BEGIN SHOULDER BERM GUTTER - STA. 21+25
SPECIAL CUT DITCH SEE DETAIL A
50' RIPARIAN BUFFER
END SHLDR. BERM GUTTER - STA. 23+95
-BL- GPS B3879-3 25+48.57 PINC=
-BY- 10+22.90 POT=
-BYI- 5+00.00 POT=
-L- 25+63.53 POT (99.65 LT)
ANDY S. EDWARDS
DB 1259 PG 195
-Y1- PT STA.15+20.07
-L- POT STA.25+32.72
-Y1- POT STA.16+14.38
PERMANENT SOIL REINFORCEMENT MAT 12' x 50'
BL-104
-L- 27+17.12 (16.70 LT)
GERALD W. CREEKMORE
DB 1010 PG 681
-L- PT STA. 31+49.37
TONIA J. SHAKELFORD
DB 1085 PG 800
N 6°14'06.7" W
N 0°16'58.6" E
-DET-
N 6°14'08.2" W
200' TAPER
BRUCE S. VICK
DB 1624 PG 714
-DET- PT STA. 21+47.53
-DET- PT STA. 21+25.52
-L- POC STA. 26+26.21
BL-105 32+40.74 POT
-L- POC STA. 30+00.00
END PROJECT B-3879
END CONSTRUCTION
J.C. BELL JR.
DB 1242 PG 204
-DET- PT STA. 15+02.72
CLASS 'B' RIPRAP EST. 5 TONS W/14 SY. FILTER FABRIC
-DET- PRC STA. 19+95.64
-L- POT STA.25+31.81
-Y2- POT STA.10+00.00
-DET- PC STA. 18+54.20
SPECIAL TAIL DITCH SEE DETAIL E
REMOVE TEMP 24" CSP & RESTORE EXISTING DITCH
LINWOOD W. MITCHELL
DB 1671 PG 811
KEITH R. NUTTLE
DB 995 PG 844
TONIA J. SHAKELFORD
DB 1085 PG 800
BYI-110 10+60.43 POT
-Y2- POT STA.14+50.00
END CONSTRUCTION
CITY OF ROCKY MOUNT SANITARY SEWER EASEMENT

-DET-

PI Sta 13+59.35	PI Sta 19+25.47	PI Sta 20+72.27
Δ = 36° 37' 56.7" (LT)	Δ = 17° 25' 40.2" (LT)	Δ = 18° 42' 53.9" (RT)
D = 12° 19' 18.0"	D = 12° 19' 18.0"	D = 12° 19' 18.0"
L = 297.30'	L = 141.44'	L = 151.89'
T = 153.93'	T = 71.27'	T = 76.63'
R = 465.00'	R = 465.00'	R = 465.00'
V_{Des} = 40 mph	V_{Des} = 40 mph	V_{Des} = 40 mph

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

NOTE: UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

AVERAGE DAILY TRAFFIC 2004 / 2025

Route	ADT 2004 / 2025
SR 1601 (-Y1-)	1176 / 2100
SR 1603 -L- (west)	5764 / 10,300
SR 1603 -L- (east)	5284 / 9400
SR 1609 (-Y2-)	960 / 1800
Turning movements	464 / 800; 132 / 300; 264 / 600; 116 / 200

-L-

PI Sta 19+21.43	PI Sta 28+11.25
Δ = 22° 54' 05.2" (LT)	Δ = 3° 08' 30.1" (RT)
D = 7° 32' 20.1"	D = 0° 27' 52.1"
L = 303.78'	L = 676.42'
T = 153.94'	T = 338.30'
R = 760.00'	R = 12,336.00'
RO = SEE PLANS	RO = SEE PLANS
SE = 0.08	SE = NC
V_{Des} = 50mph	V_{Des} = 50mph

-Y1-

PI Sta 14+00.19
Δ = 7° 12' 05.3" (LT)
D = 3° 00' 00.0"
L = 240.05'
T = 120.18'
R = 1,909.85'
SE = EXIST.
V_{Des} = EXIST.

SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP

BEGIN BRIDGE -L- STA. 21+63.67 +/-

END BRIDGE -L- STA. 23+58.33 +/-

BEGIN APPROACH SLAB -L- STA. 21+35.45 +/-

END APPROACH SLAB -L- STA. 23+86.55 +/-

NOTE: SEE SHEET 6 FOR -L- DETOUR.
SEE SHEET 7 FOR -L- PROFILE.