PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-15/CONST.14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

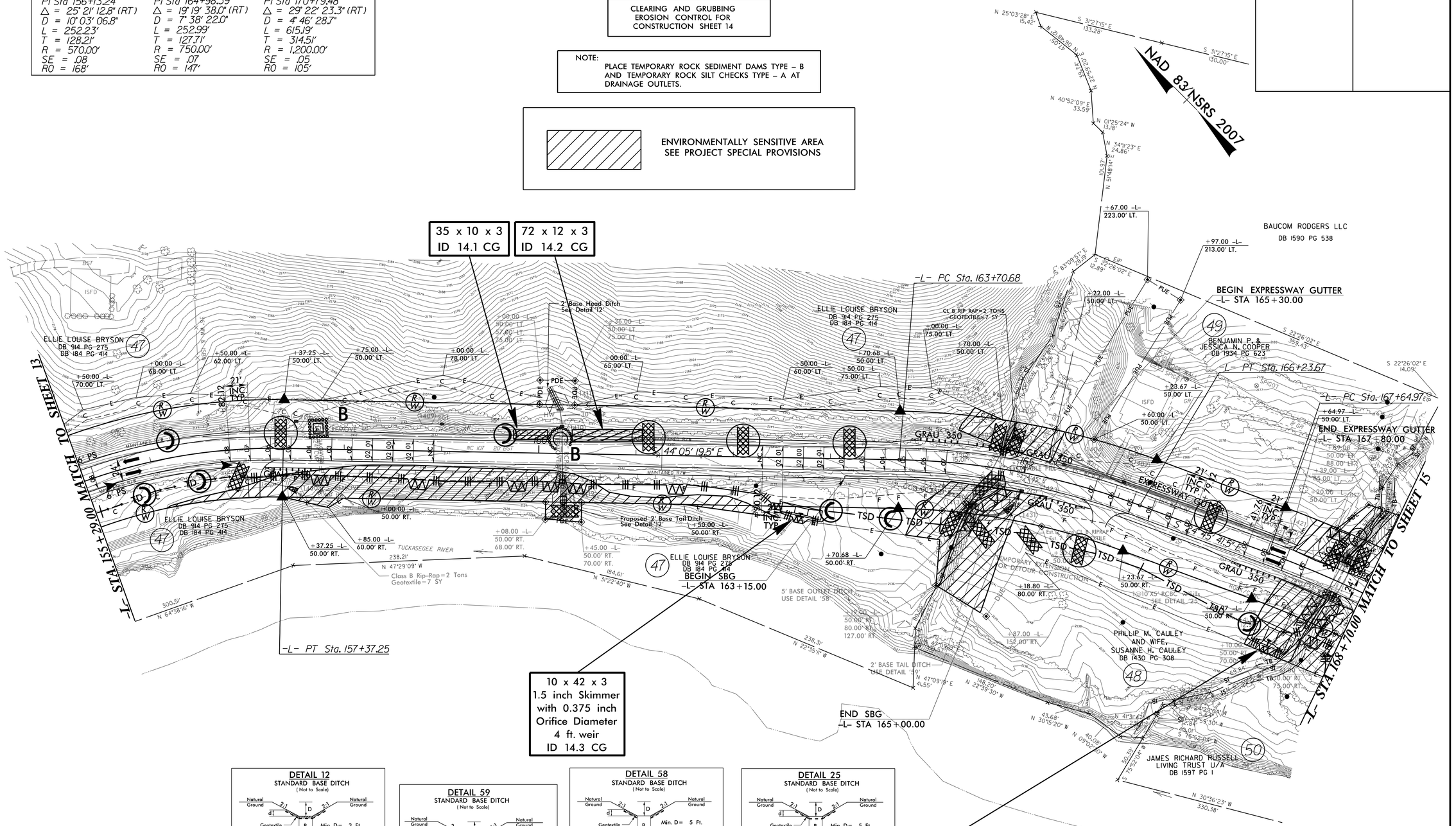
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

-L-		
PI Sta 156+13.24	PI Sta 164+98.39	PI Sta 170+79.48
Δ = 25° 21' 12.8" (RT)	Δ = 19° 19' 38.0" (RT)	Δ = 29° 22' 23.3" (RT)
D = 10° 03' 06.8"	D = 7° 38' 22.0"	D = 4° 46' 28.7"
L = 252.23'	L = 252.99'	L = 615.19'
T = 128.21'	T = 127.71'	T = 314.51'
R = 570.00'	R = 750.00'	R = 1,200.00'
SE = .08	SE = .07	SE = .05
RO = 168'	RO = 147'	RO = 105'



10 x 42 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 14.3 CG

22 x 36 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 14.4 CG

DETAIL 12
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, d, D, 2:1, Natural Ground, Geotextile, B
Min. D= 3 Ft.
Max. d= 1 Ft.
B= 2 Ft.
Type of Liner= Class I Rip-Rap

STA. 160+24 LT. (PIPE INLET)
12 CU. YD. DDE
20 TON CLASS I RIP-RAP
39 SY GEOTEXTILE
STA. 160+24 RT. (PIPE OUTLET)
15 CU. YD. DDE
28 TON CLASS I RIP-RAP
54 SY GEOTEXTILE

DETAIL 59
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, 2:1, Natural Ground, B
Min. D= 1.5 Ft.
B= 2 Ft.

STA. 164+95 (PIPE OUTLET)
12 CU. YD. DDE

DETAIL 58
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, d, D, 2:1, Natural Ground, Geotextile, B
Min. D= 5 Ft.
Max. d= 1.5 Ft.
B= 5 Ft.
Std. No. 876.01
Type of Liner= CLASS I Rip-Rap

STA. 164+58 (PIPE OUTLET)
30 CU. YD. DDE
40 TON CLASS I RIP RAP
75 SY GEOTEXTILE

DETAIL 25
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, 2:1, Natural Ground, Geotextile, B
Min. D= 5 Ft.
Max. d= 5 Ft.
B= 6 Ft.
* NOTE: NO RIP-RAP PLACED IN CHANNEL
Type of Liner= CLASS II Rip-Rap

STA. 168+43 ENTRANCE AND EXIT
ON PRPOPSED 10'x5' RCBC

NOTE:
INSTALL EROSION CONTROL MEASURES TO PROTECT JURISDICTIONAL STREAM DURING CONSTRUCTION OF SHORING.

Note: All Driveway Radii are 20' Unless Otherwise Noted
Note: All Proposed Guardrail to Use Weathered Steel Unless Otherwise Noted

SBG = SHOULDER BERM GUTTER
SEE SHEET 24 FOR -L- PROFILE

5/14/99

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