PROJECT REFERENCE NO.	SHEET NO.
B-5391	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

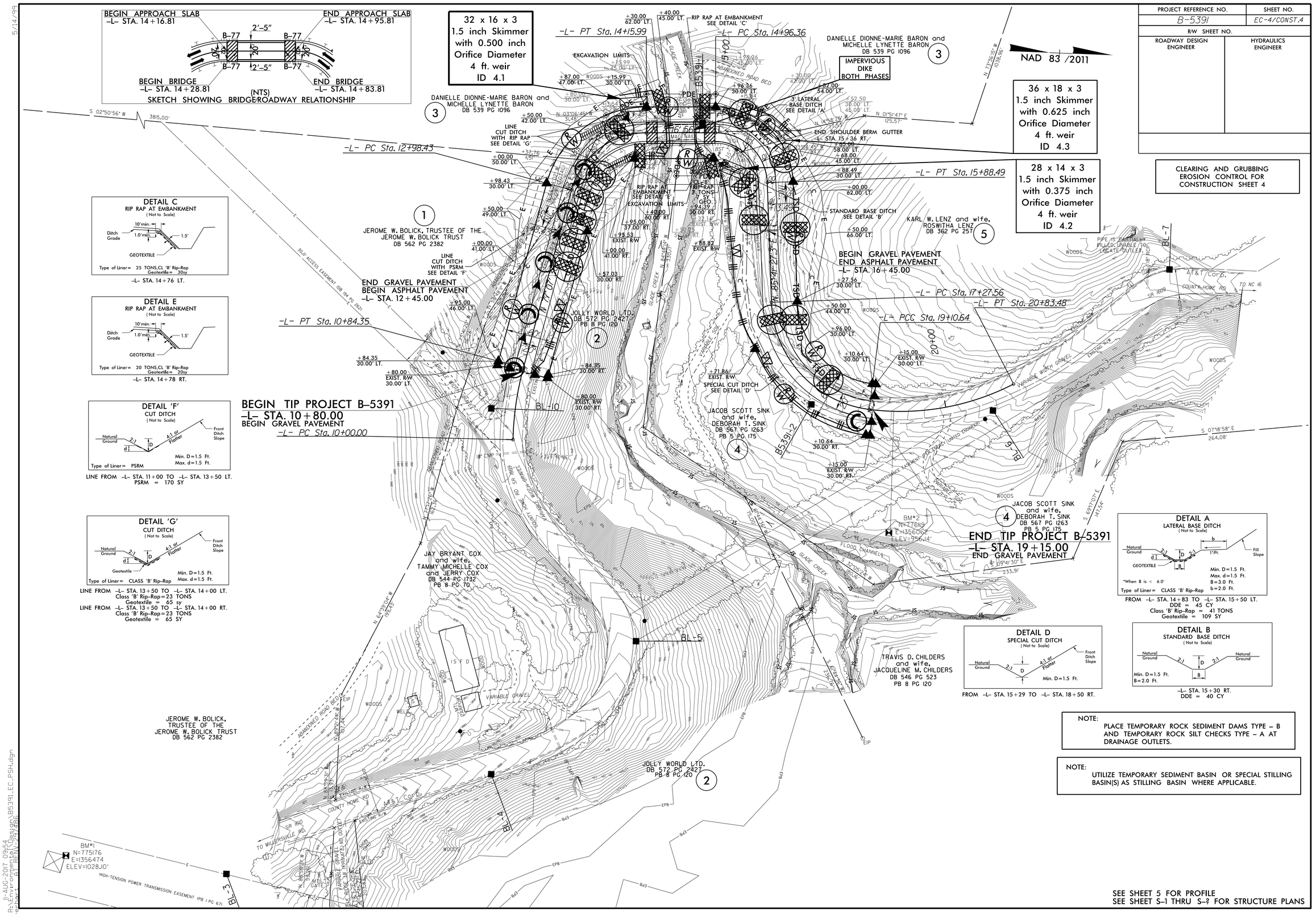
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NAD 83 /2011

32 x 16 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
4 ft. weir
ID 4.1

36 x 18 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 4.3

28 x 14 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 4.2



DETAIL C
RIP RAP AT EMBANKMENT
(Not to Scale)
10'min.
Ditch Grade
1.0'min.
1.5'
GEOTEXTILE
Type of Liner= 25 TONS,CL 'II' Rip-Rap
Geotextile= 30sy
-L- STA. 14+76 LT.

DETAIL E
RIP RAP AT EMBANKMENT
(Not to Scale)
10'min.
Ditch Grade
1.0'min.
1.5'
GEOTEXTILE
Type of Liner= 20 TONS,CL 'II' Rip-Rap
Geotextile= 20sy
-L- STA. 14+78 RT.

DETAIL 'F'
CUT DITCH
(Not to Scale)
Natural Ground
2:1
D
d
4:1 or Flatter
Front Ditch Slope
Min. D=1.5 Ft.
Max. d=1.5 Ft.
Type of Liner= PSRM
LINE FROM -L- STA. 11+00 TO -L- STA. 13+50 LT.
PSRM = 170 SY

DETAIL 'G'
CUT DITCH
(Not to Scale)
Natural Ground
2:1
D
d
4:1 or Flatter
Front Ditch Slope
Geotextile
Min. D=1.5 Ft.
Max. d=1.5 Ft.
Type of Liner= CLASS 'B' Rip-Rap
LINE FROM -L- STA. 13+50 TO -L- STA. 14+00 LT.
Class 'B' Rip-Rap=23 TONS
Geotextile = 65 sy
LINE FROM -L- STA. 13+50 TO -L- STA. 14+00 RT.
Class 'B' Rip-Rap=23 TONS
Geotextile = 65 SY

DETAIL A
LATERAL BASE DITCH
(Not to Scale)
b
Natural Ground
2:1
D
2:1
1'/Ft.
Fill Slope
d
GEOTEXTILE
B
Min. D=1.5 Ft.
Max. d=1.5 Ft.
B=3.0 Ft.
b=2.0 Ft.
*When B is < 6.0'
Type of Liner= CLASS 'B' Rip-Rap
FROM -L- STA. 14+83 TO -L- STA. 15+50 LT.
DDE = 45 CY
Class 'B' Rip-Rap = 41 TONS
Geotextile = 109 SY

DETAIL D
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
2:1
D
4:1 or Flatter
Front Ditch Slope
Min. D=1.5 Ft.
FROM -L- STA. 15+29 TO -L- STA. 18+50 RT.

DETAIL B
STANDARD BASE DITCH
(Not to Scale)
Natural Ground
2:1
D
2:1
Natural Ground
Min. D=1.5 Ft.
B=2.0 Ft.
B
-L- STA. 15+30 RT.
DDE = 40 CY

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

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

SEE SHEET 5 FOR PROFILE
SEE SHEET S-1 THRU S-? FOR STRUCTURE PLANS

5/14/99

11-AUG-2017 09:54
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