TIP PROJECT: B-0682

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

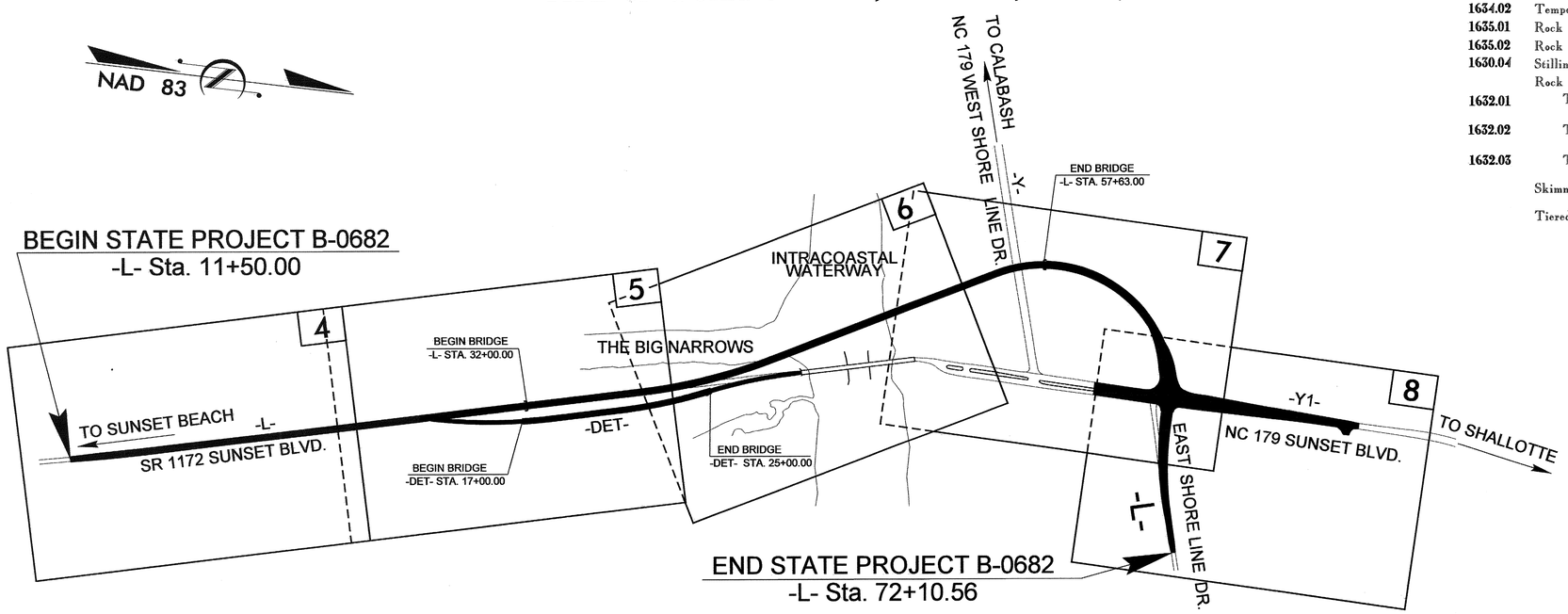
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

BRUNSWICK COUNTY

LOCATION: BRIDGE No. 198 OVER THE INTERCOASTAL WATERWAY AND APPROACHES ON SR 1172 AT SUNSET BEACH

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

NAD 83



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-0682	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.01	Riser Basin	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-B	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT

High Quality Water Zone(s) Exist From Sta. 11+50 to Sta. 72+10.56
Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE

0
PLANS
0
PROFILE (HORIZONTAL)
0
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared In the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2006 STANDARD SPECIFICATIONS

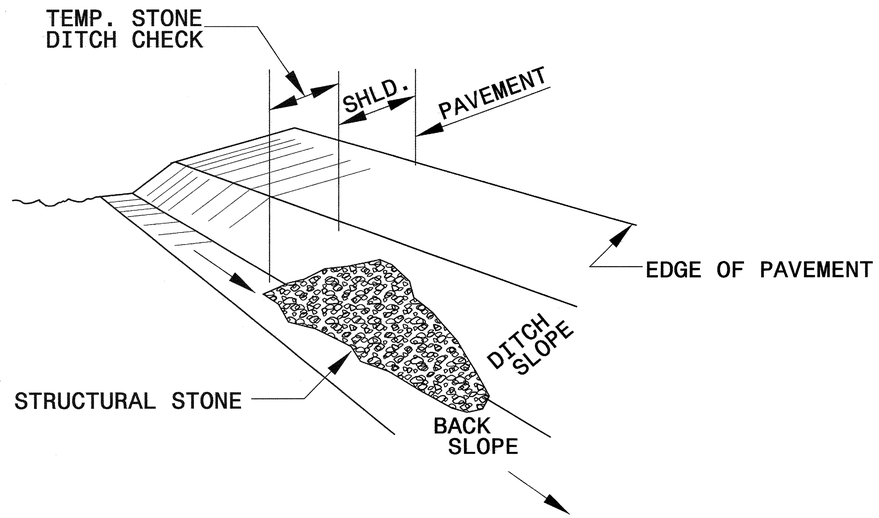
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated July 18, 2006 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence
1606.01 Special Sediment Control Fence
1607.01 Gravel Construction Entrance
1622.01 Temporary Berms and Slope Drains
1630.02 Silt Basin Type B
1630.05 Temporary Diversion
1630.06 Special Stilling Basin
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A
1634.02 Temporary Rock Sediment Dam Type B

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

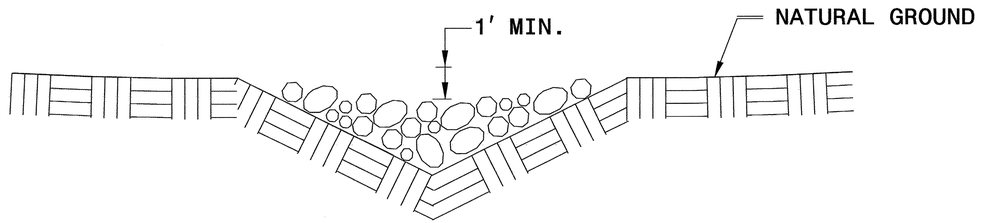


ISOMETRIC VIEW

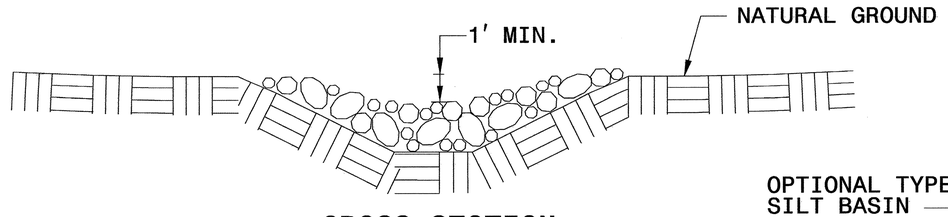
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

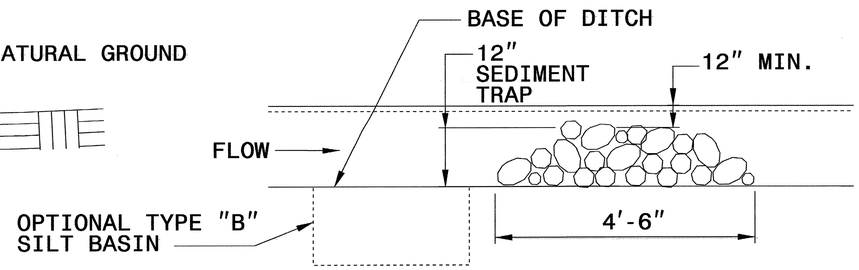
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



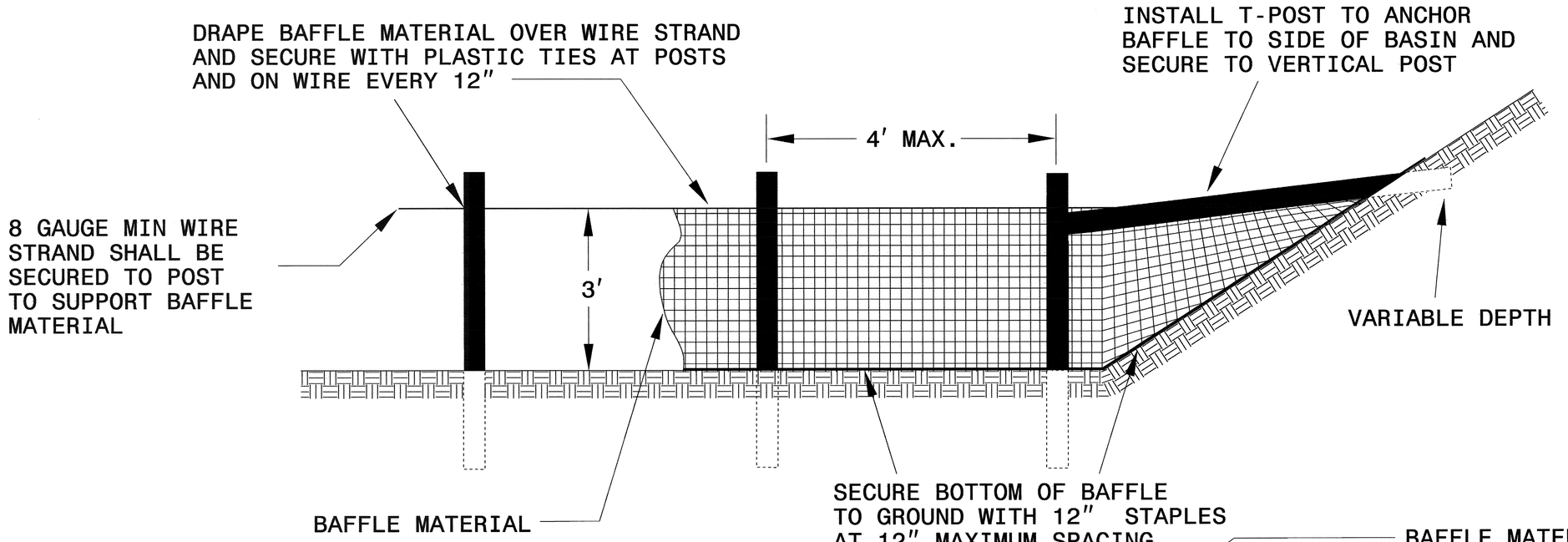
CROSS SECTION TRAPEZOIDAL DITCH

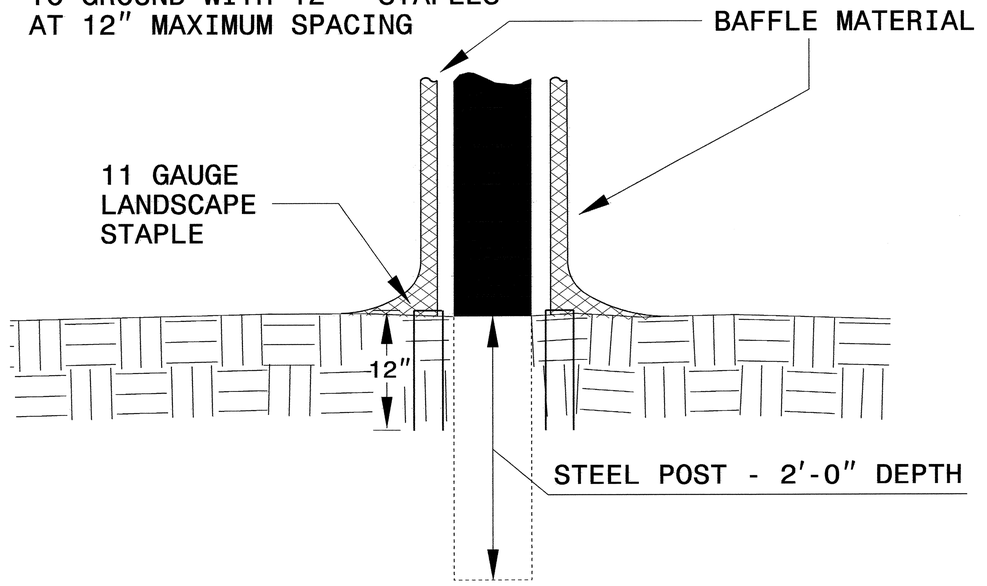


ELEVATION VIEW

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



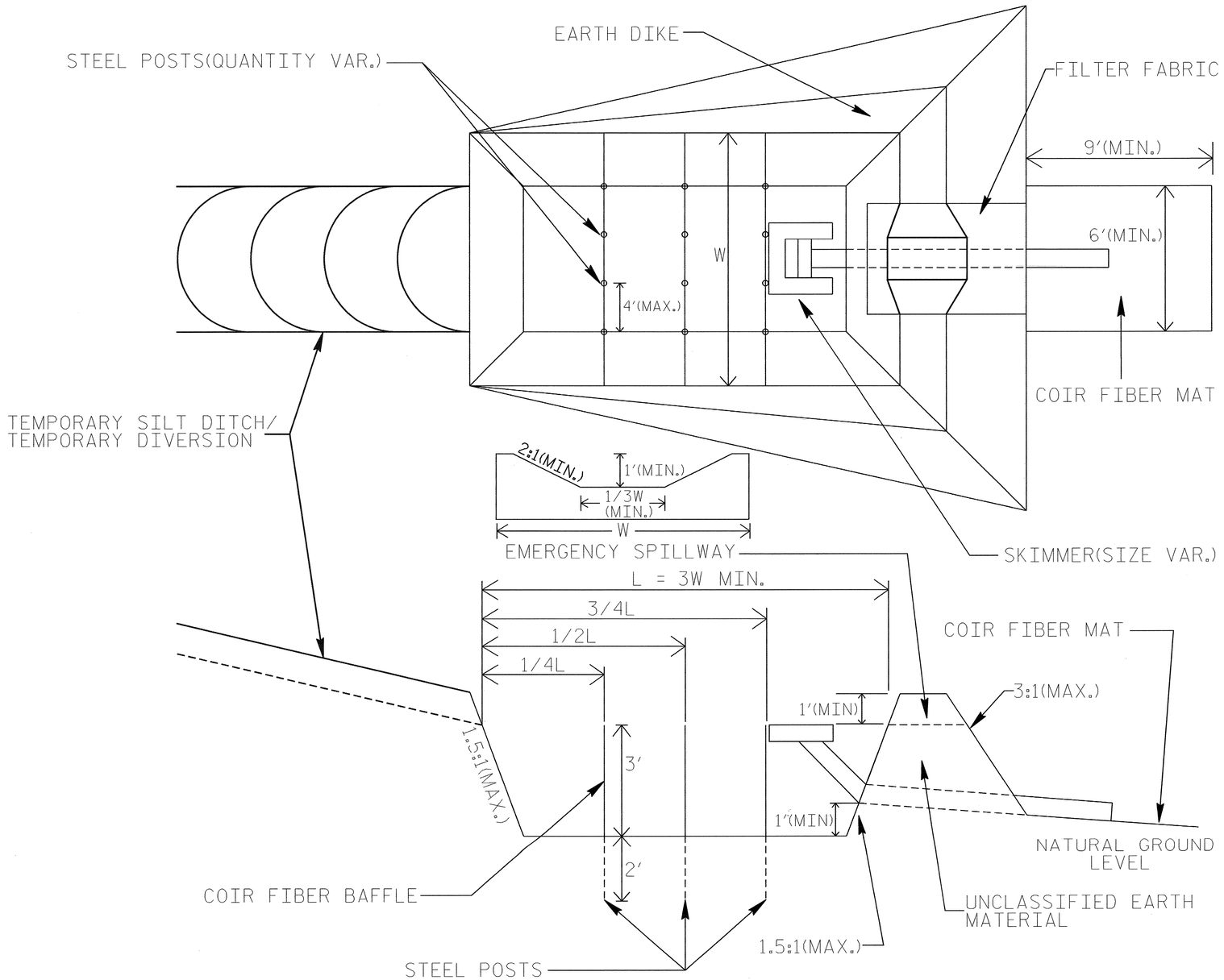


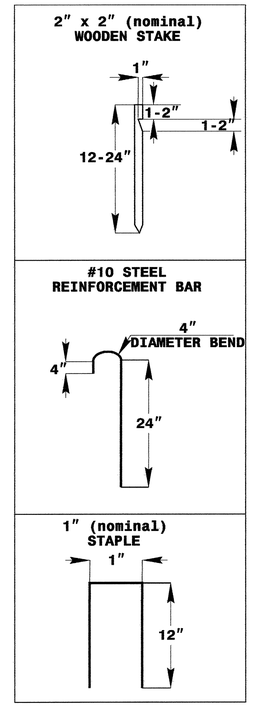
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12″ LANDSCAPE STAPLES

NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AT DRAINAGE OUTLETS WITH A SPACING OF ¼ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL





COIR FIBER MAT ANCHOR OPTIONS

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
7	-Y1-	18+50	19+00	LEFT	240
7	-Y1-	20+50	22+00	LEFT	415
7	-Y1-	20+50	22+00	RIGHT	275
7	-L-	59+50	64+50	RIGHT	915
7	-L-	66+00	67+00	LEFT	225
8	-Y1-	22+00	28+00	RIGHT	1610
8	-Y1-	22+00	28+00	LEFT	930
			SUBTOTAL		4610
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					1150
				TOTAL	5760
				SAY	5800

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
7	-L-	64+00	64+50	LEFT	255
			SUBTOTAL		255
		ADDITIONAL PSRM TO BE INSTALLED			0
				TOTAL	255
				SAY	275

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
PLACE TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NAD 83

BEGIN PROJECT B-0682
-L- Sta. 11+50.00

-L- PINC Sta. 14+83.62

10+00

15+00

20+00

-BL- 12 PINC 12+57.27=
-L- STA 12+72.18 (11.61' LT)

-BL- 13 PINC 15+57.58=
-L- STA 15+72.80 (13.99' LT)

-BL- 14 PINC 18+57.57=
-L- STA 18+72.78 (13.97' LT)

-BL- 15 PINC 21+58.30=
-L- STA 21+73.52 (13.02' LT)

+50.00
EX. R/W

150' UNIFORM TAPER

EXISTING R/W

SUNSET BLVD. (SR 1172) 62' BST

N 12° 23' 49.7" W

N 13° 39' 36.5" W

8" ASBESTOS CONCRETE

12" DIP

EDWARD M. GORE
DB 264 PG 24

2AZ

2SFBUS

MATCHLINE -L- STA 24+00 SEE SHEET 5

SEE SHEET 9 FOR -L- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

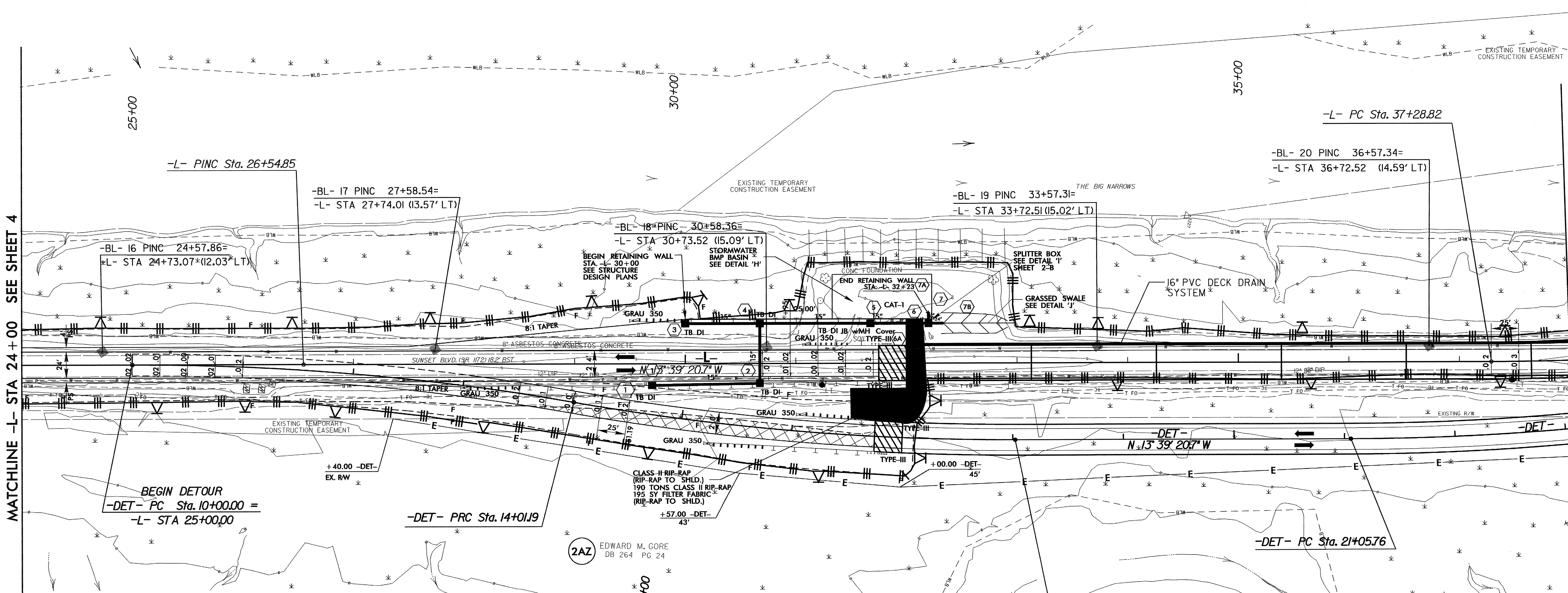
NOTE: PLACE TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

NOTE: UTILIZE SPECIAL STILLING BASIN AS STILLING BASIN WHERE APPLICABLE.

-L-
PI Sta 40+10.40
△ = 14° 00' 31.7" (LT)
D = 2° 30' 00.0"
L = 560.35'
T = 281.58'
R = 2,291.83'
SE = 03

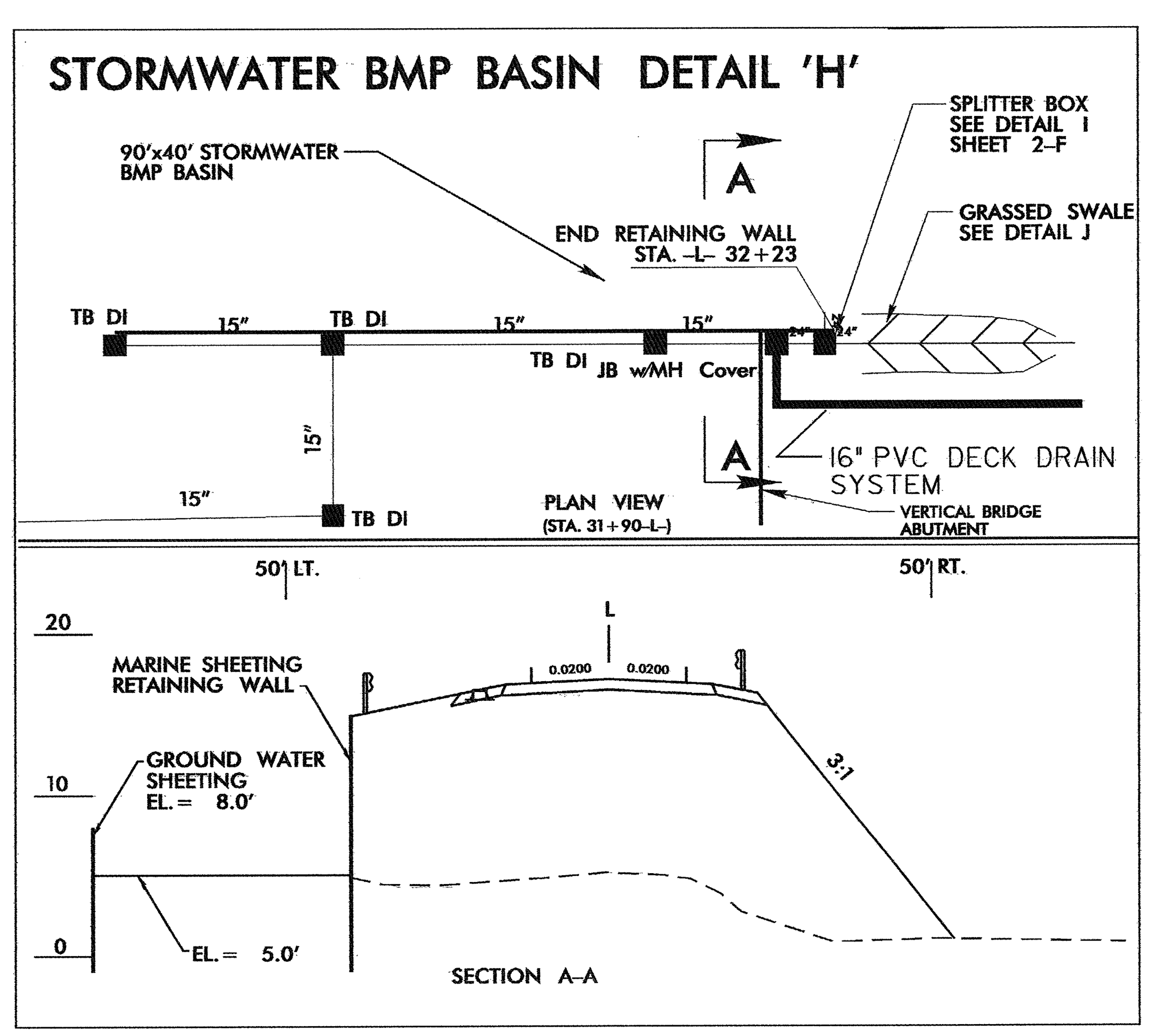
NAD 83



-DET-

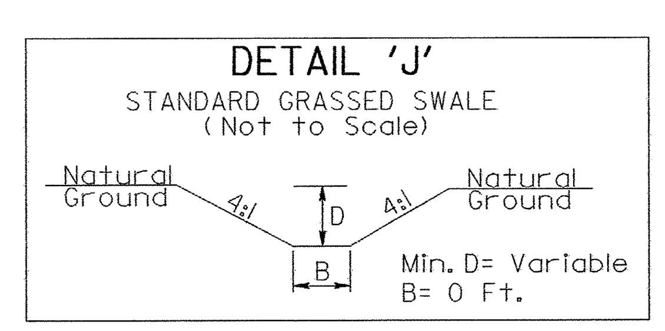
PI Sta 12+01.11	PI Sta 16+02.21	PI Sta 23+05.19
△ = 10° 01' 46.9" (RT)	△ = 10° 01' 31.1" (LT)	△ = 9° 56' 46.1" (LT)
D = 2° 30' 00.0"	D = 2° 30' 00.0"	D = 2° 30' 00.0"
L = 401.19'	L = 401.01'	L = 397.85'
T = 201.11'	T = 201.02'	T = 199.42'
R = 2,291.83'	R = 2,291.83'	R = 2,291.83'
SE = 0.02	SE = 0.02	SE = 0.02

STORMWATER BMP BASIN DETAIL 'H'



DETAIL 'J'

STANDARD GRASSED SWALE (Not to Scale)



STA. 32+31 TO 32+98 -L- LT.

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-6/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE SPECIAL STILLING BASIN AS STILLING BASIN WHERE APPLICABLE.

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

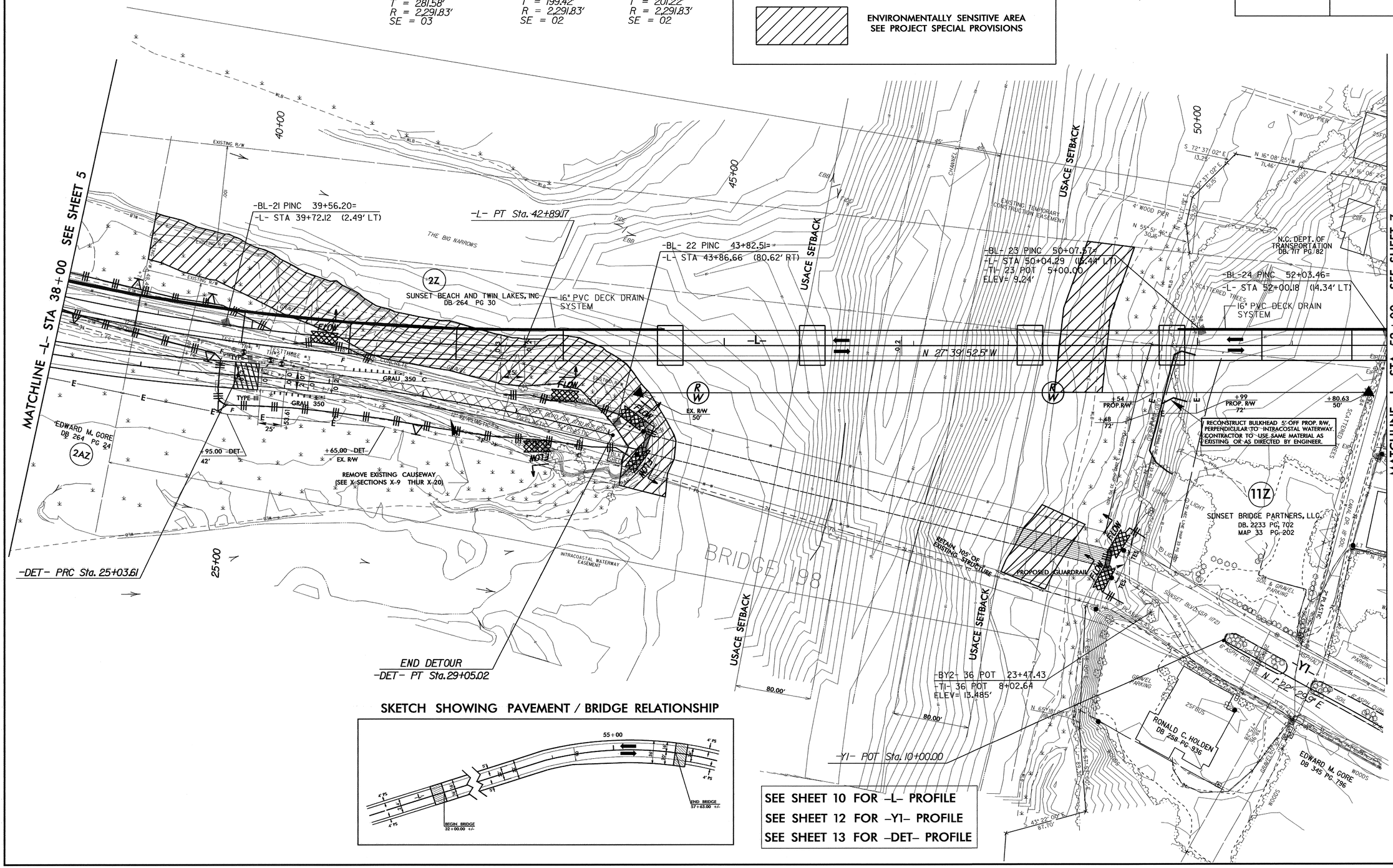
CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 6

NAD 83

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

–L–
PI Sta 40+10.40
△ = 14° 00' 31.7" (LT)
D = 2° 30' 00.0"
L = 560.35'
T = 281.58'
R = 2,291.83'
SE = 03

–DET–	
PI Sta 23+05.19	PI Sta 27+04.83
△ = 9° 56' 46.1" (LT)	△ = 10° 02' 06.8" (RT)
D = 2° 30' 00.0"	D = 2° 30' 00.0"
L = 397.85'	L = 401.41'
T = 199.42'	T = 201.22'
R = 2,291.83'	R = 2,291.83'
SE = 02	SE = 02



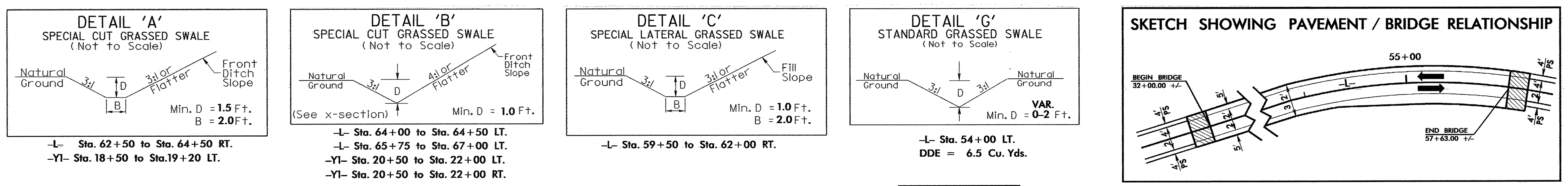
SKETCH SHOWING PAVEMENT / BRIDGE RELATIONSHIP

SEE SHEET 10 FOR –L– PROFILE
SEE SHEET 12 FOR –Y1– PROFILE
SEE SHEET 13 FOR –DET– PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-7/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

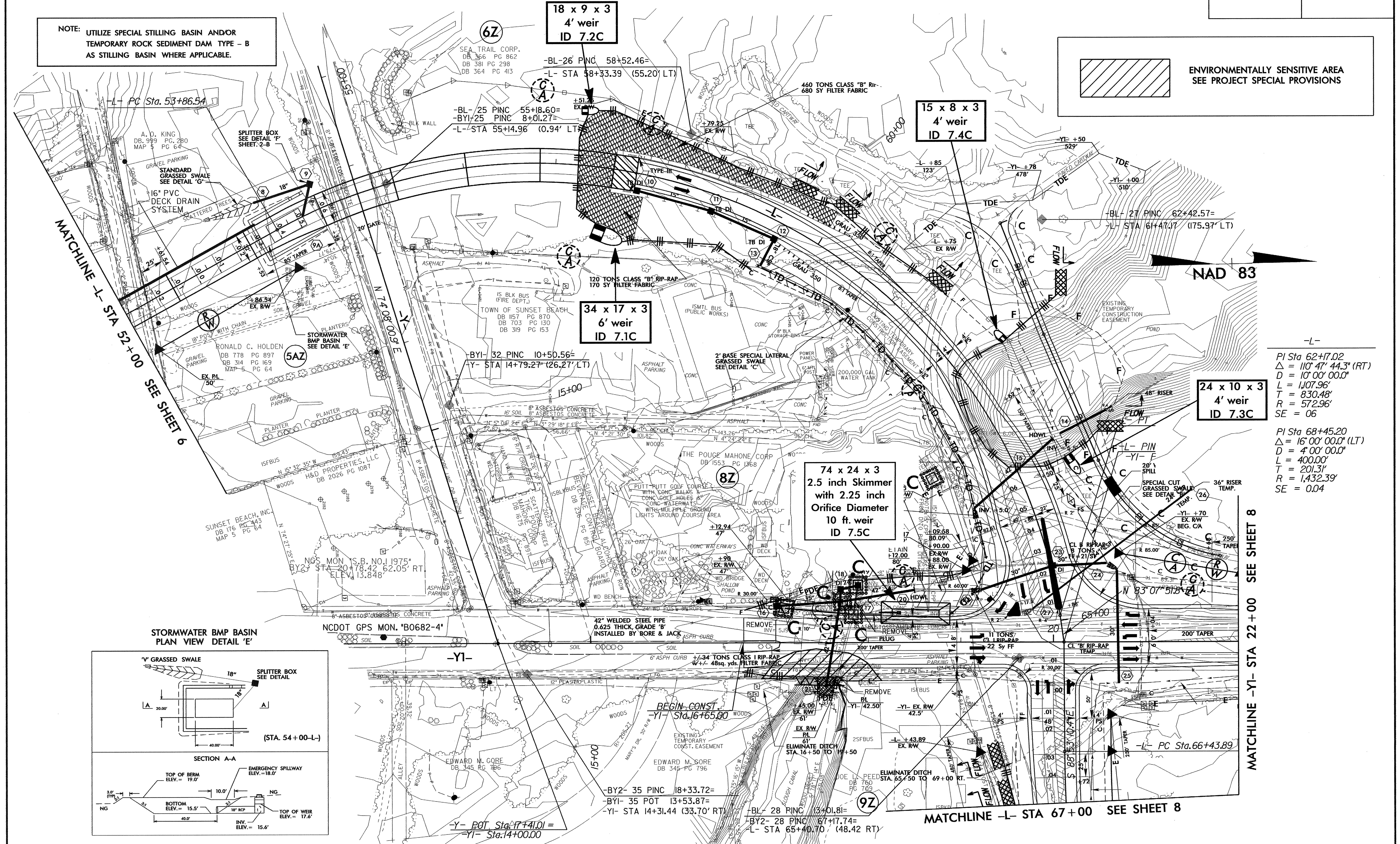
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-8/CONST.8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8

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

PAINT STRIPING

NAD 83

MATCHLINE –Y1– STA 22+00 SEE SHEET 7

MATCHLINE –L– STA 67+00 SEE SHEET 7

SEA TRAIL CORP.
DB 366 PG 862
DB 381 PG 298
DB 364 PG 413

CAROLINA DREAM GOLF, LLC.
DB 1532 PG 1379

-Y1- 22+17
195'

250' TAPER

-Y1- +02
74'

-Y1- +69
PROP. R/W
END C/A

385' TAPER

+00 -Y1-
65'

+00 -Y1-
52'

SPECIAL CUT GRASSED SWALE SEE DETAIL 'D'

END CONST.
-Y1- Sta. 28+53.55

+53.55 -Y1-
EX. R/W

200' TAPER

N 1° 22' 29.9" E

S 1° 55' 26.0" W

12" PLASTIC

ASBESTOS CONCRETE

+50 -Y1-
57'

+50 -Y1-
62'

INT. EX. R/W
50' PROP. R/W

500' TAPER

-BY2- 34 PINC 9+01.32=
-Y1- STA 23+63.59 (16.30' RT)

-BY2- 33 POT 5+00.00=
-Y1- STA 27+64.89 (20.15' RT)

-69 -Y1-
PL

-Y1- POT Sta. 30+76.03

BM# 6
-BY2- STA 9+73.24
63.54' LEFT
ELEV= 16.15'

-BL-29 PINC 70+27.40=
-L- STA 68+45.12 (28.73' RT)

70+00

-L- PT Sta. 70+43.89

SPECIAL CUT GRASSED SWALE SEE DETAIL 'D'

END PROJECT B-0682
-L- POT Sta. 72+10.56

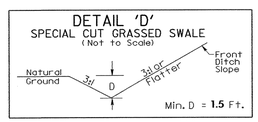
30 x 15 x 3
2 inch Skimmer
with 0.5 inch
Orifice Diameter
5 ft. weir
ID 8.1C

-L- POT Sta. 72+51.26

-BL-30 POT 74+30.95=
-L- STA 72+45.32 (17.91' RT)

-L-
PI Sta 68+45.20
△ = 16° 00' 00.0" (LT)
D = 4° 00' 00.0"
L = 400.00'
T = 201.31'
R = 1,432.39'
SE = 0.04

DETAIL 'D'
SPECIAL CUT GRASSED SWALE
(Not to Scale)



-L- Sta. 70+00 to Sta. 71+50 LT.
-Y1- Sta. 26+50 to Sta. 28+00 LT.

SEE SHEET 11 FOR –L– PROFILE
SEE SHEET 13 FOR –Y1– PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-9/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83

BEGIN PROJECT B-0682
-L- Sta. 11+50.00

-L- PINC Sta. 14+83.62

10+00

15+00

20+00

-BL-12 PINC 12+57.27=
-L- STA 12+72.18 (11.61' LT)

+50.00
EX. R/W

150' UNIFORM TAPER

EXISTING R/W

2UTL

SUNSET BLVD. (SR 1172) 18.2' BST

N 12° 23' 49.7" W

EOM

EDWARD M. GORE
DB 264 PG 24

-BL- 13 PINC 15+57.58=
-L- STA 15+72.80 (13.99' LT)

-BL- 14 PINC 18+57.57=
-L- STA 18+72.78 (13.97' LT)

-BL- 15 PINC 21+58.30=
-L- STA 21+73.52 (13.02' LT)

8" ASBESTOS CONCRETE

12" DIP

N 13° 39' 36.5" W

2AZ

EDWARD M. GORE
DB 264 PG 24

2SFBUS

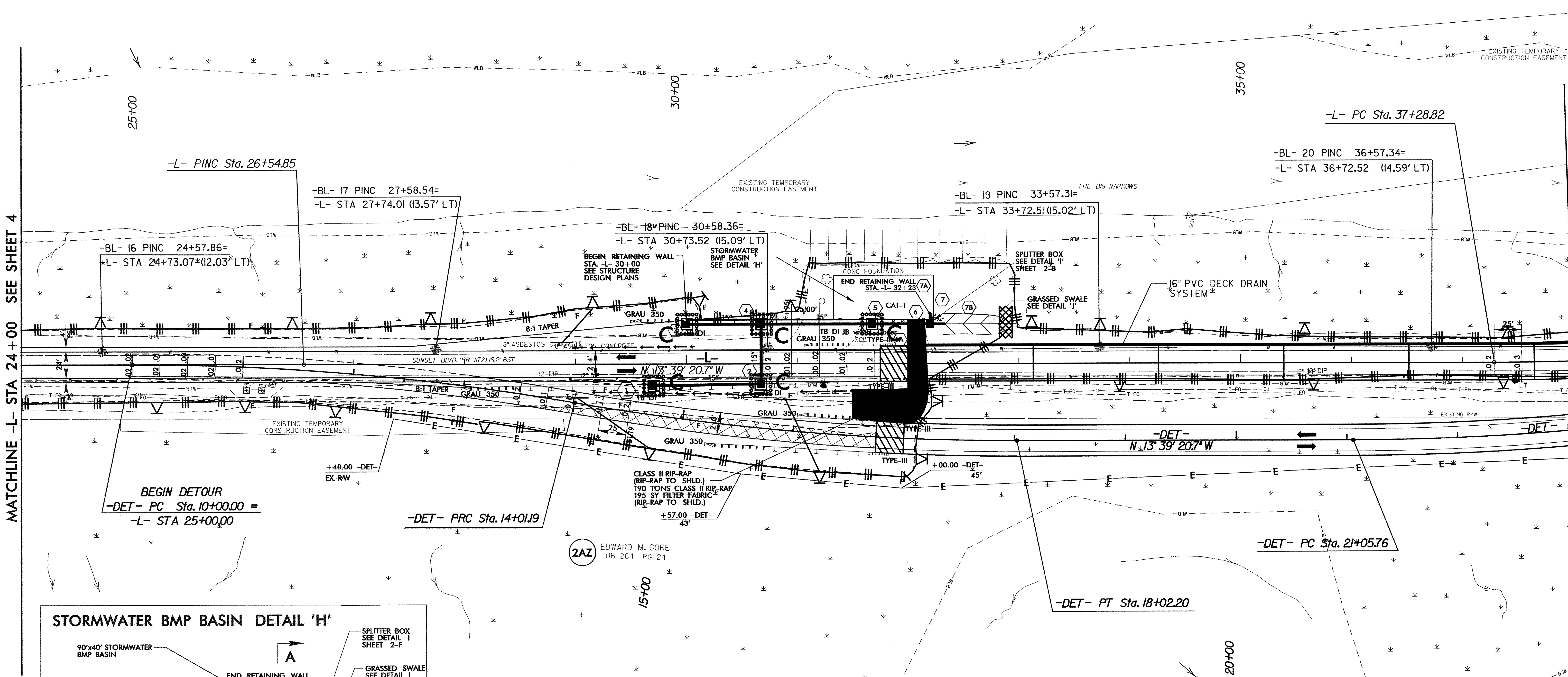
MATCHLINE -L- STA 24+00 SEE SHEET 5

SEE SHEET 9 FOR -L- PROFILE

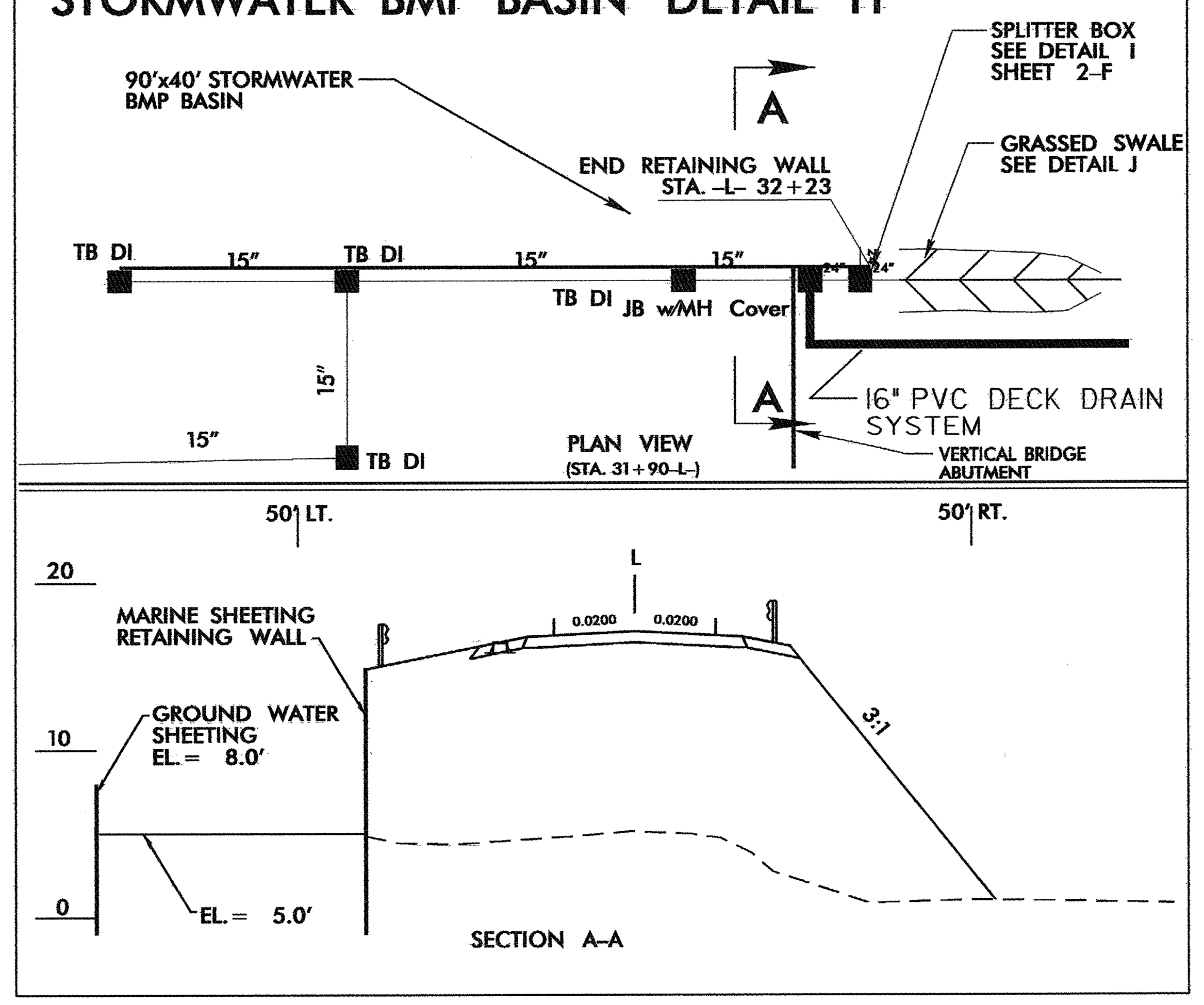
PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-10/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: UTILIZE SPECIAL STILLING BASIN AS STILLING BASIN WHERE APPLICABLE.

-L-
PI Sta 40+10.40
△ = 14° 00' 31.7" (LT)
D = 2° 30' 00.0"
L = 560.35'
T = 281.58'
R = 2,291.83'
SE = 03

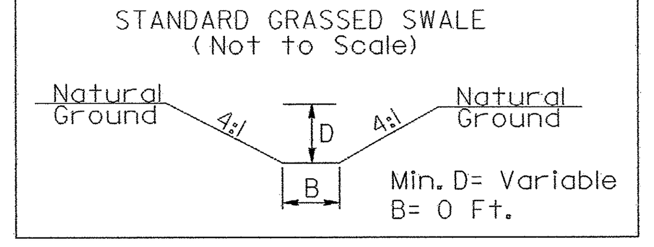


STORMWATER BMP BASIN DETAIL 'H'



DETAIL 'J'

STANDARD GRASSED SWALE (Not to Scale)



STA. 32+31 TO 32+98 -L- LT.

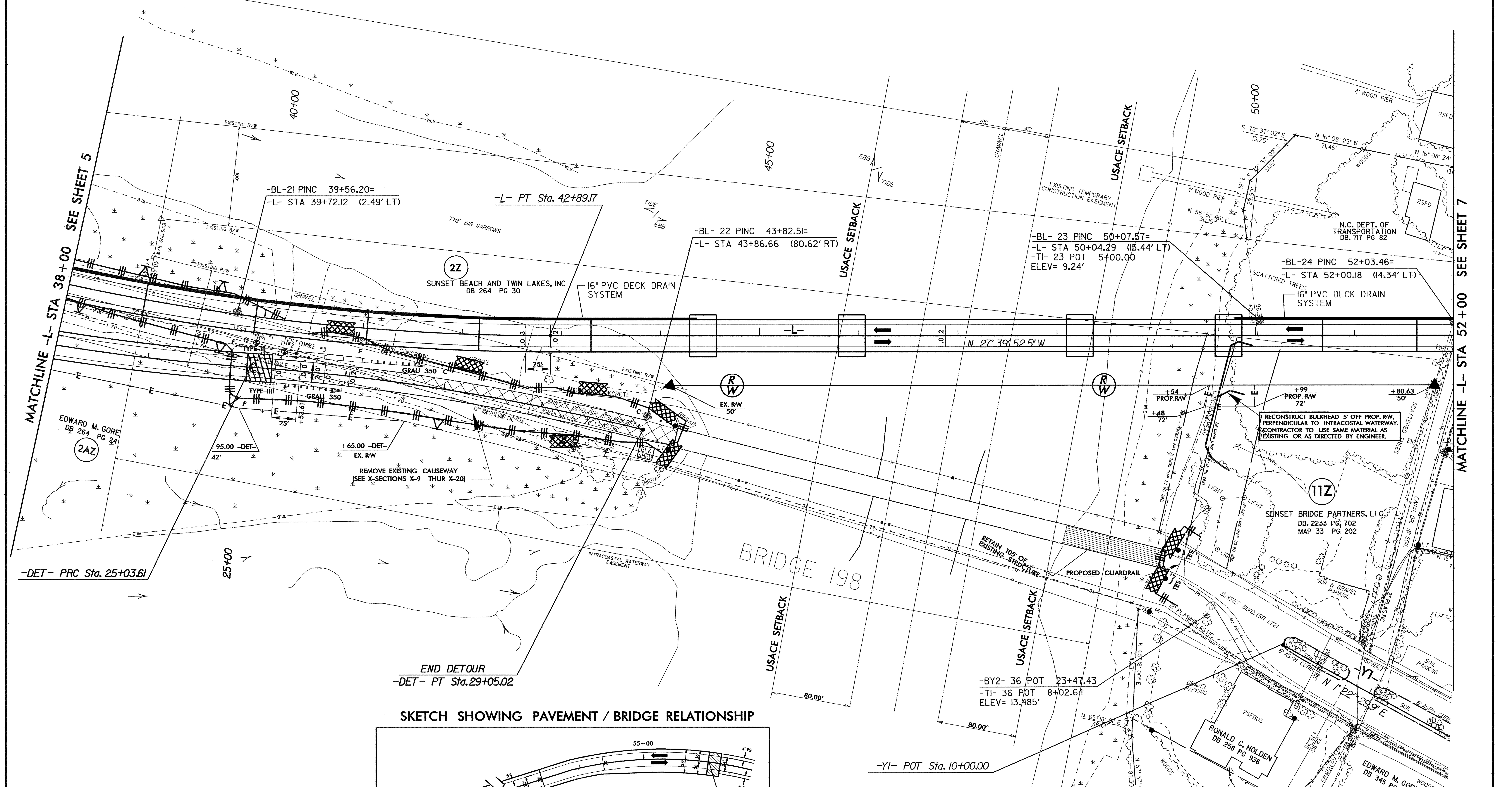
-DET-

PI Sta 12+01.11	PI Sta 16+02.21	PI Sta 23+05.19
△ = 10° 01' 46.9" (RT)	△ = 10° 01' 31.1" (LT)	△ = 9° 56' 46.1" (LT)
D = 2° 30' 00.0"	D = 2° 30' 00.0"	D = 2° 30' 00.0"
L = 401.19'	L = 401.01'	L = 397.85'
T = 201.11'	T = 201.02'	T = 199.42'
R = 2,291.83'	R = 2,291.83'	R = 2,291.83'
SE = 0.02	SE = 0.02	SE = 0.02

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-11/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE SPECIAL STILLING BASIN AS STILLING BASIN WHERE APPLICABLE.

-L-	-DET-	
PI Sta 40+10.40	PI Sta 23+05.19	PI Sta 27+04.83
△ = 14° 00' 31.7" (LT)	△ = 9° 56' 46.1" (LT)	△ = 10° 02' 06.8" (RT)
D = 2° 30' 00.0"	D = 2° 30' 00.0"	D = 2° 30' 00.0"
L = 560.35'	L = 397.85'	L = 401.41'
T = 281.58'	T = 199.42'	T = 201.22'
R = 2,291.83'	R = 2,291.83'	R = 2,291.83'
SE = 03	SE = 02	SE = 02

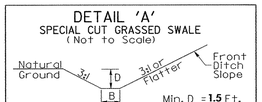


NAD 83
MATCHLINE -L- STA 38+00 SEE SHEET 5
MATCHLINE -L- STA 52+00 SEE SHEET 7
-BL-21 PINC 39+56.20=
-L- STA 39+72.12 (2.49' LT)
-L- PT Sta. 42+89.17
-BL- 22 PINC 43+82.51=
-L- STA 43+86.66 (80.62' RT)
-BL- 23 PINC 50+07.57=
-L- STA 50+04.29 (15.44' LT)
-T1- 23 POT 5+00.00
ELEV= 9.24'
-BL-24 PINC 52+03.46=
-L- STA 52+00.18 (14.34' LT)
16" PVC DECK DRAIN SYSTEM
SUNSET BEACH AND TWIN LAKES, INC
DB 264 PG 30
THE BIG NARROWS
EDWARD M. GORE
DB 264 PG 24
N 27° 39' 52.5" W
USACE SETBACK
EXISTING TEMPORARY CONSTRUCTION EASEMENT
N.C. DEPT. OF TRANSPORTATION
DB 117 PG 82
SCATTERED TREES
RECONSTRUCT BULKHEAD 5' OFF PROP. R/W, PERPENDICULAR TO INTRACOSTAL WATERWAY. CONTRACTOR TO USE SAME MATERIAL AS EXISTING OR AS DIRECTED BY ENGINEER.
SUNSET BRIDGE PARTNERS, LLC
DB. 2233 PG 702
MAP 33 PG 202
REMOVE EXISTING CAUSEWAY
(SEE X-SECTIONS X-9 THUR X-20)
-DET- PRC Sta. 25+03.61
END DETOUR
-DET- PT Sta.29+05.02
BRIDGE 198
INTRACOASTAL WATERWAY EASEMENT
RETAIN 105' OF EXISTING STRUCTURE
PROPOSED GUARDRAIL
-BY2- 36 POT 23+47.43
-T1- 36 POT 8+02.64
ELEV= 13.485'
-Y1- POT Sta. 10+00.00
RONALD C. HOLDEN
DB 258 PG 936
EDWARD M. GORE
DB 345 PG 796
SUNSET BLVD. (SR 1172)
SKETCH SHOWING PAVEMENT / BRIDGE RELATIONSHIP
BEGIN BRIDGE 32+00.00 +/-
END BRIDGE 57+63.00 +/-

SEE SHEET 10 FOR -L- PROFILE
SEE SHEET 12 FOR -Y1- PROFILE
SEE SHEET 13 FOR -DET- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-12/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

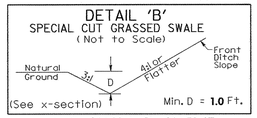
DETAIL 'A'
SPECIAL CUT GRASSED SWALE
(Not to Scale)



Min. D = **1.5** Ft.
B = **2.0** Ft.

–L– Sta. 62+50 to Sta. 64+50 RT.
–Y1– Sta. 18+50 to Sta.19+20 LT.

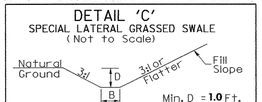
DETAIL 'B'
SPECIAL CUT GRASSED SWALE
(Not to Scale)



Min. D = **1.0** Ft.

–L– Sta. 64+00 to Sta. 64+50 LT.
–L– Sta. 65+75 to Sta. 67+00 LT.
–Y1– Sta. 20+50 to Sta. 22+00 LT.
–Y1– Sta. 20+50 to Sta. 22+00 RT.

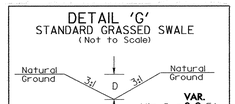
DETAIL 'C'
SPECIAL LATERAL GRASSED SWALE
(Not to Scale)



Min. D = **1.0** Ft.
B = **2.0** Ft.

–L– Sta. 59+50 to Sta. 62+00 RT.

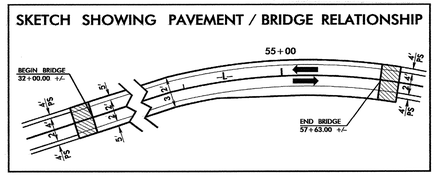
DETAIL 'G'
STANDARD GRASSED SWALE
(Not to Scale)



VAR.
Min. D = **0–2** Ft.

–L– Sta. 54+00 LT.
DDE = 6.5 Cu. Yds.

SKETCH SHOWING PAVEMENT / BRIDGE RELATIONSHIP



NOTE: UTILIZE SPECIAL STILLING BASIN AND/OR TEMPORARY ROCK SEDIMENT DAM TYPE – B AS STILLING BASIN WHERE APPLICABLE.

18 x 9 x 3
4' weir
ID 7.2C

34 x 17 x 3
6' weir
ID 7.1C

33 x 11 x 3
ID 7.1F

15 x 6 x 3
ID 7.4F

56 x 27 x 3
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
12 ft. weir
ID 7.9F

18 x 7 x 3
ID 7.5F

65 x 21 x 3
ID 7.6F

55 x 18 x 3
ID 7.7F

30 x 10 x 3
ID 7.8F

–L– PC Sta. 53+86.54

MATCHLINE –L– STA 52+00 SEE SHEET 6

MATCHLINE –L– STA 67+00 SEE SHEET 8

MATCHLINE –Y1– STA 22+00 SEE SHEET 8

–BL–26 PINC 58+52.46=
–L– STA 58+33.39 (55.20' LT)

–BL– 25 PINC 55+18.60=
–BY1–25 PINC 8+01.27=
–L– STA 55+14.96 (0.94' LT)

–BL– 27 PINC 62+42.57=
–L– STA 61+47.17 (175.97' LT)

–BY1– 32 PINC 10+50.56=
–Y– STA 14+79.27 (26.27' LT)

–BY2– 35 PINC 18+33.72=
–BY1– 35 POT 13+53.87=
–Y1– STA 14+31.44 (33.70' RT)

–BL– 28 PINC 13+01.81=
–BY2– 28 PINC 67+17.74=
–L– STA 65+40.70 (48.42 RT)

–Y– POT Sta. 17+41.01 =
–Y1– Sta.14+00.00

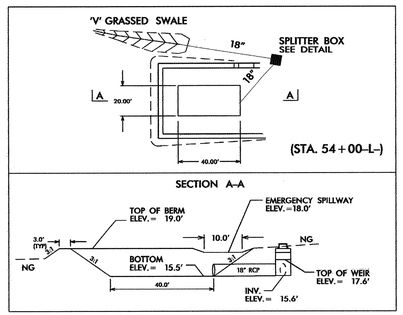
BEGIN CONST.
–Y1– Sta.16+65.00

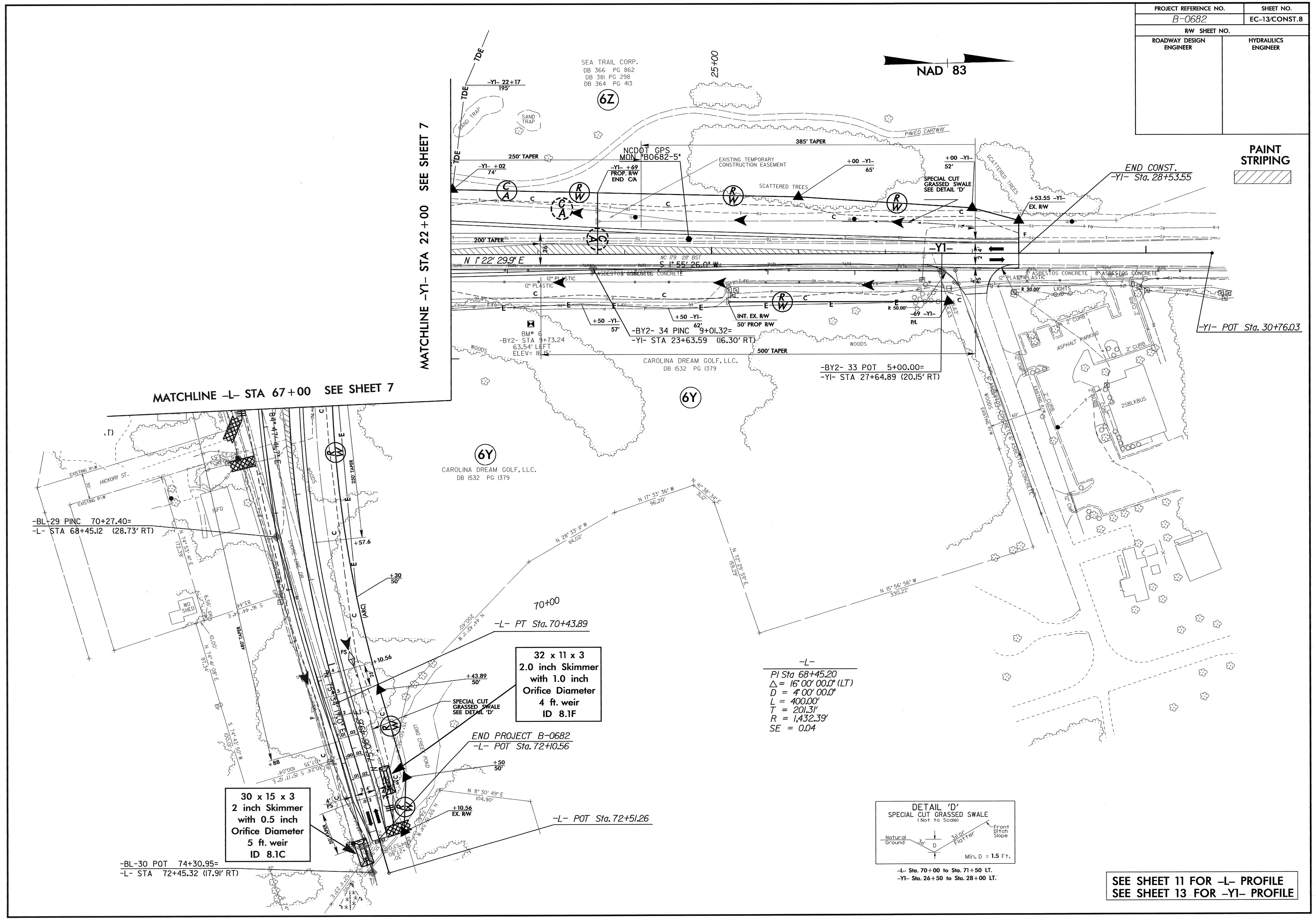
NAD 83

–L–
PI Sta 62+17.02
△ = 110° 47' 44.3" (RT)
D = 10° 00' 00.0"
L = 1,107.96'
T = 830.48'
R = 572.96'
SE = 06

PI Sta 68+45.20
△ = 16° 00' 00.0" (LT)
D = 4° 00' 00.0"
L = 400.00'
T = 201.31'
R = 1,432.39'
SE = 0.04

STORMWATER BMP BASIN PLAN VIEW DETAIL 'E'

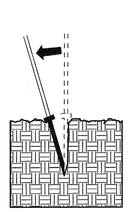



PROJECT REFERENCE NO. | SHEET NO.
B-0682 | EC-13/CONST.8
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NAD 83
PAINT STRIPING
MATCHLINE -Y1- STA 22+00 SEE SHEET 7
MATCHLINE -L- STA 67+00 SEE SHEET 7
SEA TRAIL CORP.
DB 366 PG 862
DB 381 PG 298
DB 364 PG 413
6Z
6Y
CAROLINA DREAM GOLF, LLC.
DB 1532 PG 1379
NCDOT GPS
MON "B0682-5"
EXISTING TEMPORARY CONSTRUCTION EASEMENT
SCATTERED TREES
385' TAPER
250' TAPER
200' TAPER
500' TAPER
PAVED CARTWAY
SAND TRAP
END CONST.
-Y1- Sta. 28+53.55
-Y1- POT Sta. 30+76.03
SPECIAL CUT GRASSED SWALE SEE DETAIL 'D'
N 1° 22' 29.9" E
S 1° 55' 26.0" W
-BY2- 34 PINC 9+01.32=
-Y1- STA 23+63.59 (16.30' RT)
-BY2- 33 POT 5+00.00=
-Y1- STA 27+64.89 (20.15' RT)
BM# 6
-BY2- STA 9+73.24
63.54' LEFT
ELEV= 16.15'
-BL-29 PINC 70+27.40=
-L- STA 68+45.12 (28.73' RT)
-BL-30 POT 74+30.95=
-L- STA 72+45.32 (17.91' RT)
-L- PT Sta. 70+43.89
END PROJECT B-0682
-L- POT Sta. 72+10.56
-L- POT Sta. 72+51.26
32 x 11 x 3
2.0 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 8.1F
30 x 15 x 3
2 inch Skimmer
with 0.5 inch
Orifice Diameter
5 ft. weir
ID 8.1C
-L-
PI Sta 68+45.20
Δ = 16° 00' 00.0" (LT)
D = 4° 00' 00.0"
L = 400.00'
T = 201.31'
R = 1,432.39'
SE = 0.04
DETAIL 'D'
SPECIAL CUT GRASSED SWALE
(Not to Scale)
Natural Ground
Front Ditch Slope
3:1 or Flatter
Min. D = 1.5 Ft.
-L- Sta. 70+00 to Sta. 71+50 LT.
-Y1- Sta. 26+50 to Sta. 28+00 LT.
SEE SHEET 11 FOR -L- PROFILE
SEE SHEET 13 FOR -Y1- PROFILE

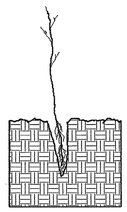
PROJECT REFERENCE NO.	SHEET NO.
B-0682	EC-14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PLANTING DETAILS

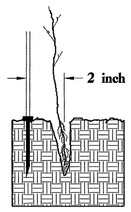
DIBBLE PLANTING METHOD
USING THE KBC PLANTING BAR



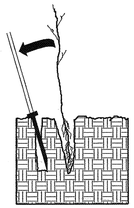
1. Insert planting bar as shown and pull handle toward planter.



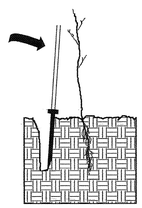
2. Remove planting bar and place plant plug at correct depth.



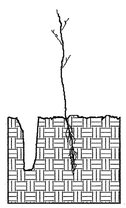
3. Insert planting bar 2 inches toward planter from plant plug.



4. Pull handle of bar toward planter, firming soil at bottom.



5. Push handle forward firming soil at top.



6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

PLANTING BAG
During planting, plant plugs shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.

KBC PLANTING BAR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.

WETLAND GRASS PLANTING

☐ WETLAND GRASS SPECIES SHALL BE PLANTED 2 FT. TO 4 FT. ON CENTER, RANDOM SPACING, AVERAGING 3 FT. ON CENTER, APPROXIMATELY 4840 PLANTS PER ACRE.

WETLAND GRASS PLANTING

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

100% SPARTINA ALTERNIFLORA	SMOOTH CORDGRASS	2 in PEAT POT

WETLAND GRASS PLANTING DETAIL SHEET

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT