

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

DESIGN-BUILD PROJECT

for

INDIAN RIVER INLET BRIDGE

Replacement of Bridge 3-156,
SR1 over Indian River Inlet
State Contract # 26-073-03 Readvertised
Federal Contract # BRN-S050(14)

SCOPE OF SERVICES PACKAGE

CONTRACT DOCUMENTS

PART 6 – APPENDIX B

DIRECTIVE AND INDICATIVE PLANS

TABLE OF CONTENTS

1.0 DIRECTIVE PLANS 1

2.0 INDICATIVE PLANS 1

1.0 DIRECTIVE PLANS

Applicable CADD files in electronic format on CD-ROMs (Compact Disc – Read Only Memory) are included in the Reference Documents for the following directive plans unless otherwise noted:

- A) Contract #26-073-03, Replacement of Bridge 3-156, SR 1 Over Indian River Inlet (Design-Build Project) Project-Specific Plans included in Appendix B;
- B) Contract #28-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Embankment Removal) Contract Drawings;
- C) Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Roadway and Approaches) Contract Drawings with Addendums and Revisions; and
- D) Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Right-of-Way Plans).

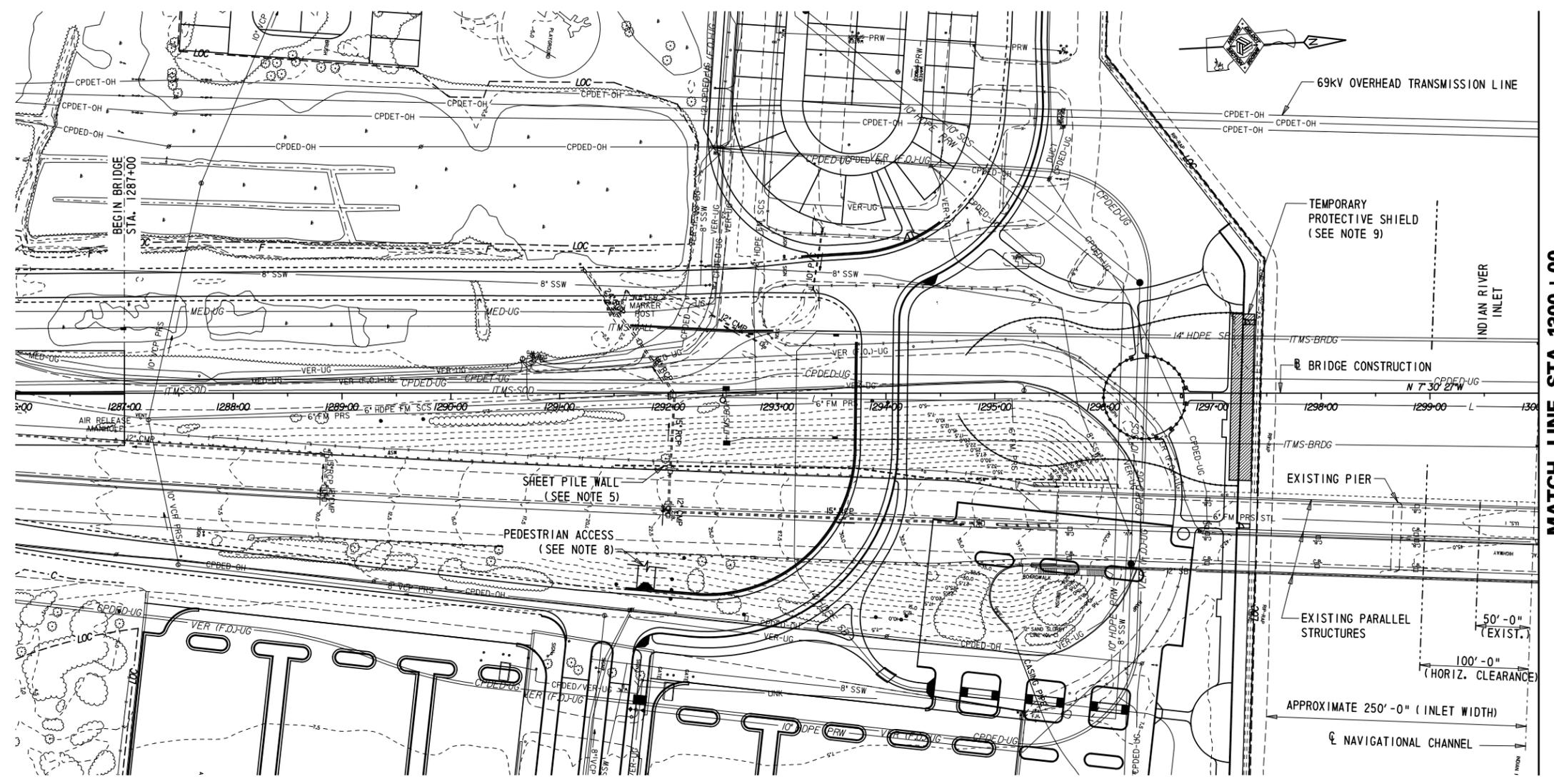
2.0 INDICATIVE PLANS

Applicable CADD files in electronic format on CD-ROMs (Compact Disc – Read Only Memory) are included in the Reference Documents for the following indicative plans:

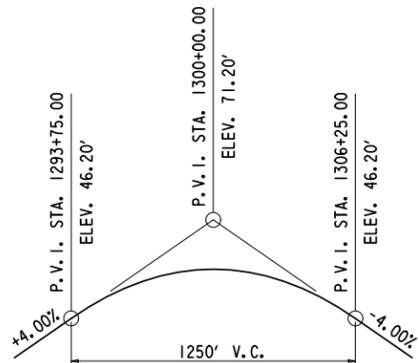
- A) Contract #28-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Embankment Removal) Contract Drawings;
- B) Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Roadway and Approaches) Contract Drawings with Addendums and Revisions; and
- C) Contract #25-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Bridge Replacement) Non-Awarded Contract Drawings with Addendums;

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- NOTES:**
- ELEVATIONS FOR M.L.L.W. AND M.H.W. ARE GIVEN WITH RESPECT TO NAVD88 DATUM. NAVD88 DATUM ELEVATION 0.00'. ALL ELEVATIONS GIVEN ARE ALONG THE BRIDGE CONSTRUCTION AND WILL BE APPLIED AS SHOWN ON THE TYPICAL SECTIONS.
 - FOR ROADWAY IMPROVEMENT PLANS SEE REFERENCE DOCUMENTS - ROADWAY CONTRACT PLANS (CONTRACT #23-073-03).
 - FOR PARK IMPROVEMENT PLANS SEE REFERENCE DOCUMENTS - PARK CONTRACT PLANS (CONTRACT #25-073-03).
 - FOR MSE WALL DETAILS SEE ROADWAY CONTRACT PLANS.
 - FOR SHEET PILE WALL DETAILS SEE ROADWAY CONTRACT PLANS.
 - FOR EMBANKMENT REMOVAL PLANS SEE REFERENCE DOCUMENTS - EMBANKMENT REMOVAL CONTRACT PLANS (CONTRACT #28-073-02).
 - TOPO SHOWN ON THIS SHEET MAY NOT REFLECT ACTUAL CONDITIONS AT TIME OF BRIDGE DESIGN-BUILD CONTRACT ADVERTISEMENT AND THE BEGINNING OF CONSTRUCTION.
 - FINAL PEDESTRIAN ACCESS/CONNECTION TO THE NEW INDIAN RIVER INLET BRIDGE WILL BE DESIGNED UNDER A SEPARATE CONTRACT.
 - THE DESIGN-BUILDER SHALL FURNISH, ERECT AND MAINTAIN TEMPORARY PROTECTIVE SHIELDS FOR PEDESTRIAN ACCESS ALONG THE INDIAN RIVER INLET DURING CONSTRUCTION OF THE NEW INDIAN RIVER INLET BRIDGE IN ACCORDANCE WITH THE TEMPORARY WORKS PERFORMANCE SPECIFICATION AND AS SHOWN SCHEMATICALLY ON THIS SHEET.
 - THE APPROACH BRIDGE STRUCTURES SHALL PROVIDE A MINIMUM LOW CHORD ELEVATION OF 11.0 FEET.

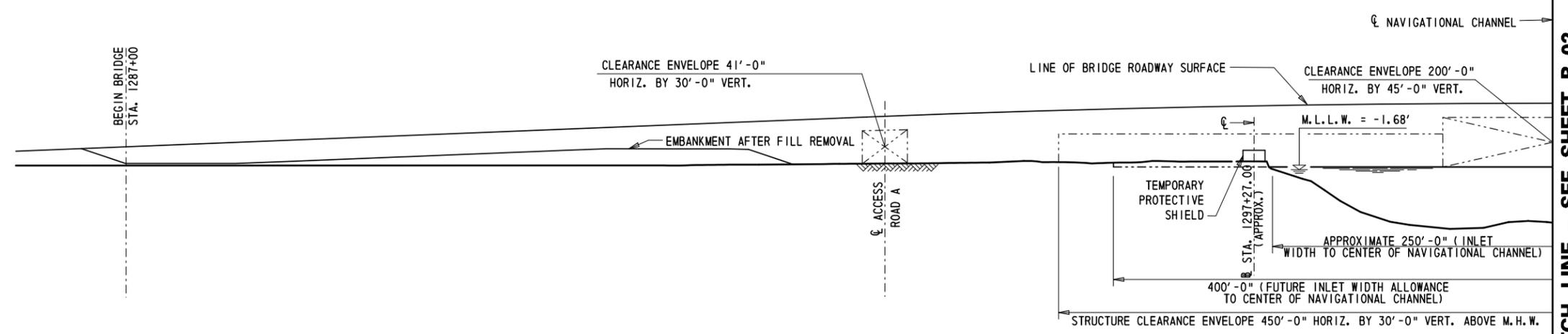


PLAN
1" = 120'-0"



**TEMPORARY PROTECTIVE SHIELD
INSIDE CLEARANCE DIMENSIONS**

N.T.S.



ELEVATION
1" = 120'-0"

MATCH LINE STA. 1300+00

MATCH LINE - SEE SHEET B-02



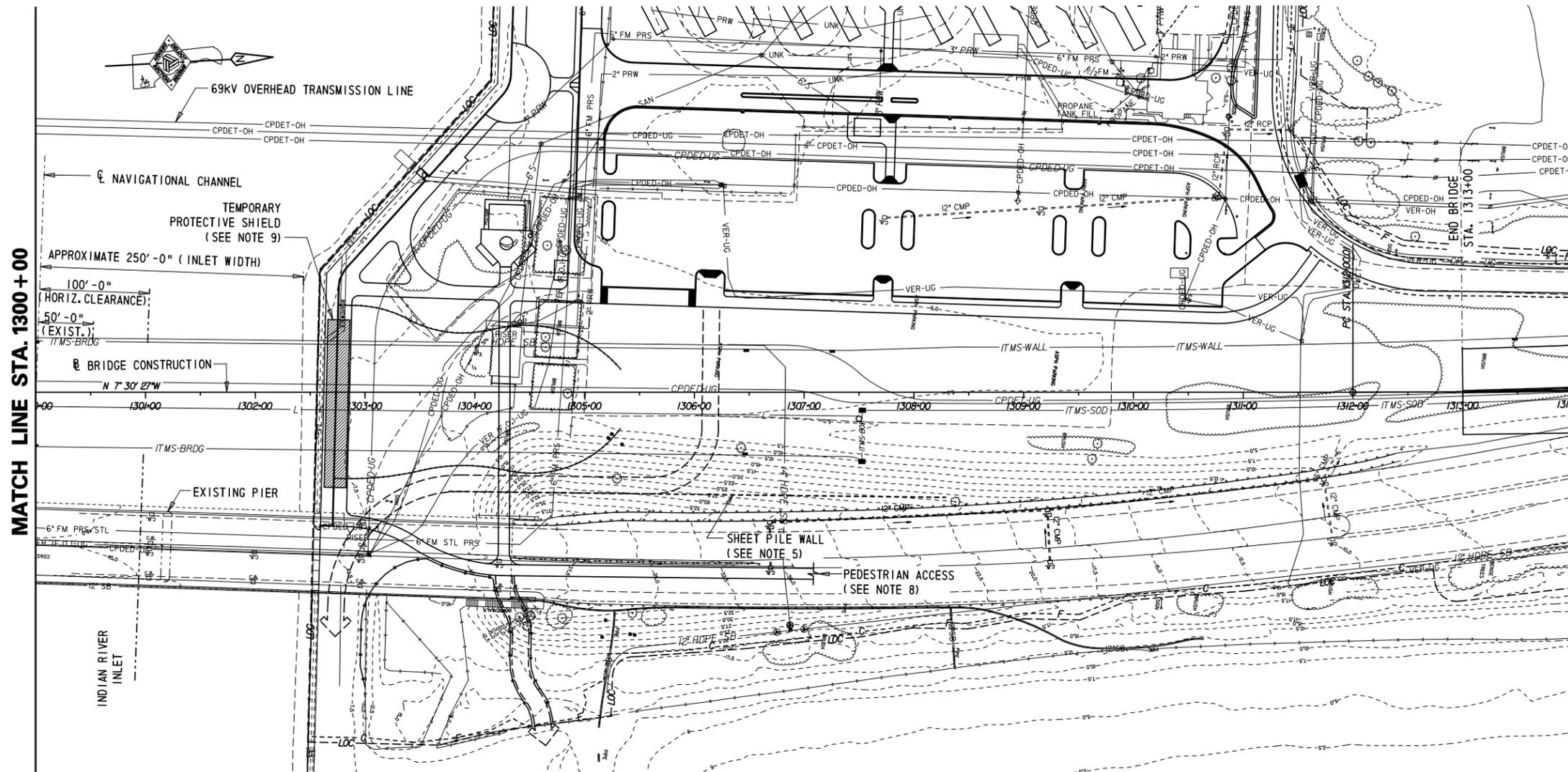
ADDENDUMS / REVISIONS	

SCALE: SEE SHEET

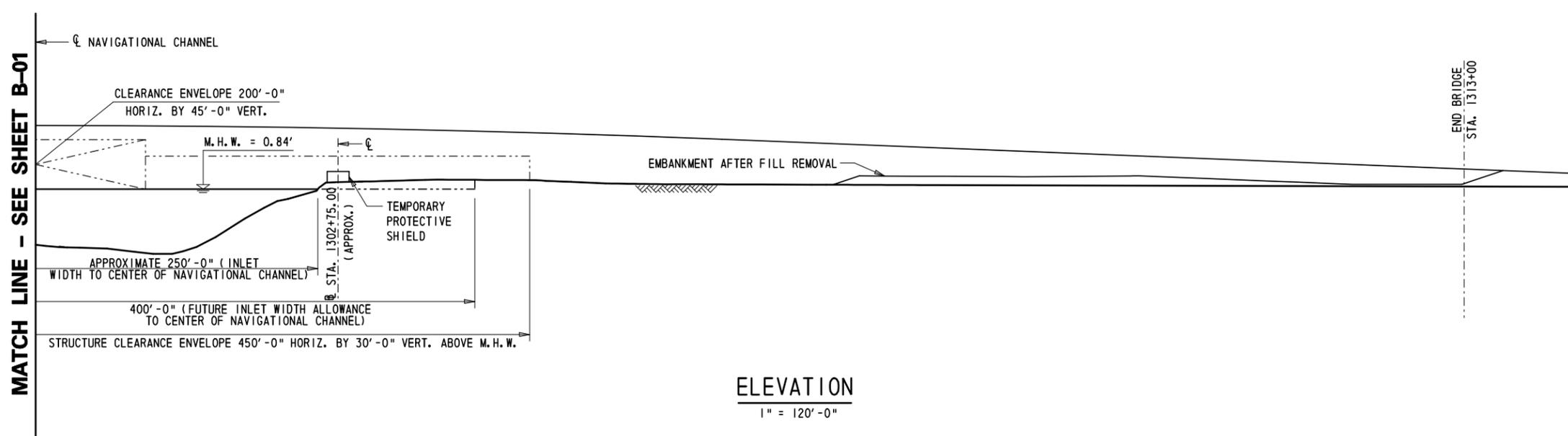
**REPLACEMENT OF
BR 3-156 SR 1 OVER
INDIAN RIVER INLET**

CONTRACT 26-073-03/ BROS-S050(9)	BRIDGE NO. BR 3-156
COUNTY SUSSEX	DESIGNED BY: K.R.S.
	CHECKED BY: R.E.H.

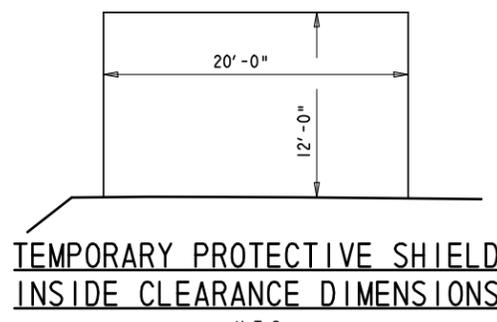
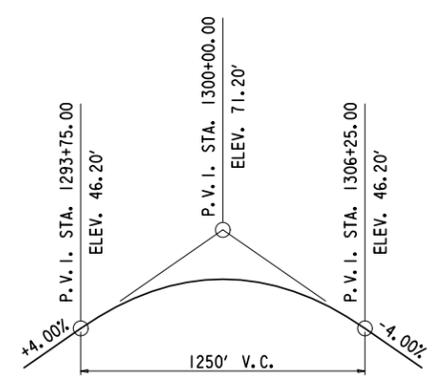
KEY PLAN	SHEET NO. B-01
	TOTAL SHTS. B-06



PLAN
1" = 120'-0"

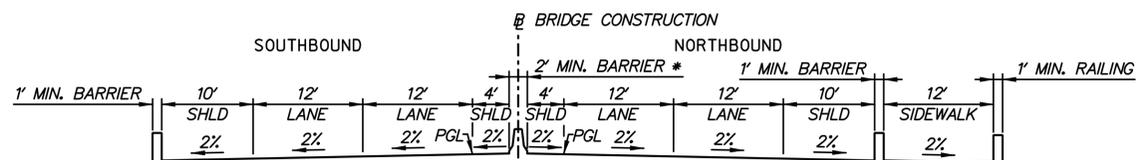
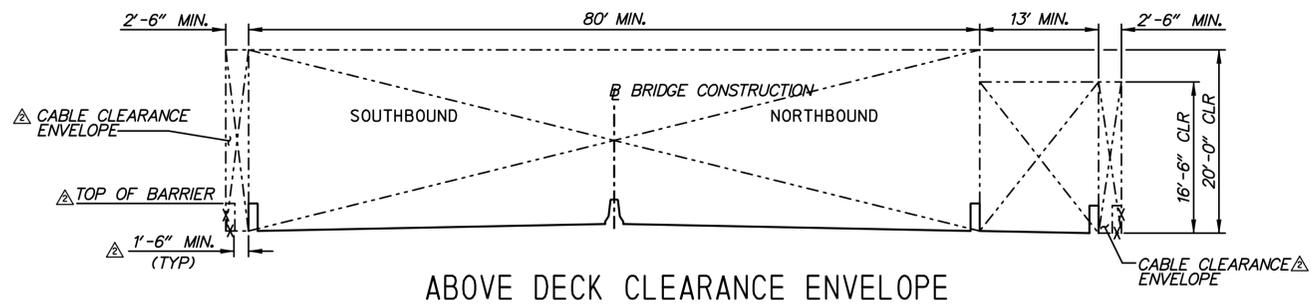


ELEVATION
1" = 120'-0"



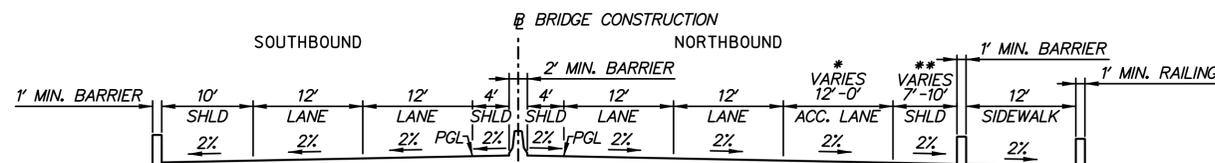
**TEMPORARY PROTECTIVE SHIELD
INSIDE CLEARANCE DIMENSIONS**
N. T. S.

- NOTES:**
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 - FOR MSE WALL DETAILS SEE ROADWAY CONTRACT PLANS.
 - FOR SHEET PILE WALL DETAILS SEE ROADWAY CONTRACT PLANS.
 - FOR EMBANKMENT REMOVAL PLANS SEE REFERENCE DOCUMENTS - EMBANKMENT REMOVAL CONTRACT PLANS (CONTRACT #28-073-02).
 - TOPO SHOWN ON THIS SHEET MAY NOT REFLECT ACTUAL CONDITIONS AT TIME OF BRIDGE DESIGN-BUILD CONTRACT ADVERTISEMENT AND THE BEGINNING OF CONSTRUCTION.
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 - THE APPROACH BRIDGE STRUCTURES SHALL PROVIDE A MINIMUM LOW CHORD ELEVATION OF 11.0 FEET.



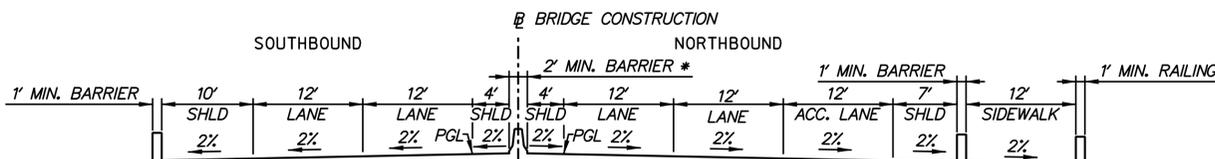
STA. 1290+84 TO STA. 1313+00

* BARRIER SHALL BE 2' WIDE AT STA. 1313+00



STA. 1287+84 TO STA. 1290+84

* VARIES FROM 12' AT STA. 1287+84 TO 0' AT STA. 1290+84
 ** VARIES FROM 7' AT STA. 1290+09 TO 10' AT STA. 1290+84

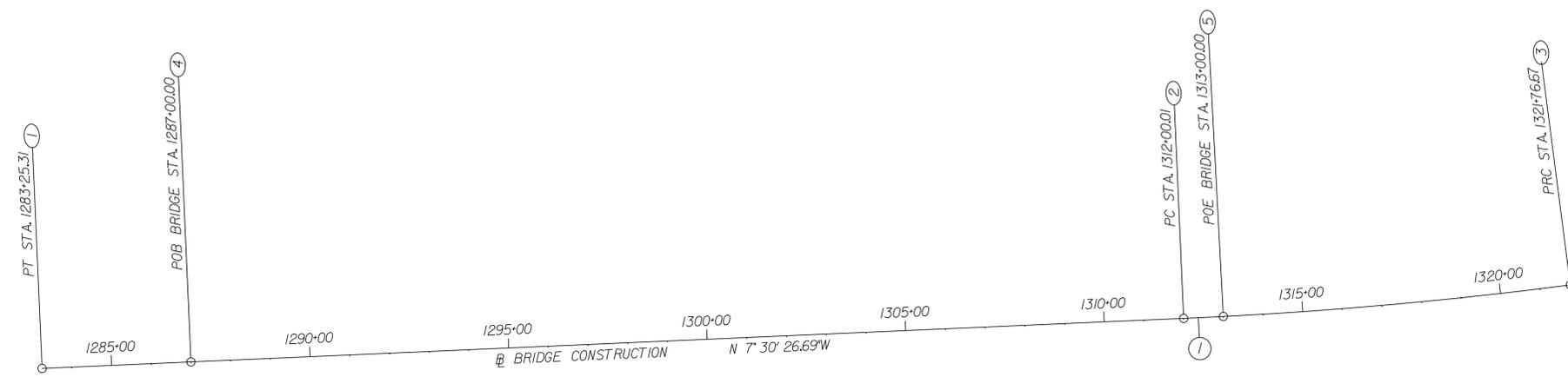


STA. 1287+00 TO STA. 1287+84

* BARRIER SHALL BE 2' WIDE AT STA. 1287+00

NOTE:

1. ALL BARRIERS AND RAILINGS SHALL BE PERPENDICULAR TO BRIDGE DECK.
2. ALL DIMENSIONS ARE MEASURED ON THE SLOPE OR PERPENDICULAR TO THE SLOPE (UNLESS OTHERWISE NOTED).
3. ALL DIMENSIONS SHOWN ARE MINIMUMS REQUIRED.
4. RIDING SURFACE OVERLAY IS MEASURED AFTER 1/8" BLANKET GRINDING OF THE DECK OVERLAY (SEE SPECIAL PROVISION 501531).
5. NO PART OF ANY AS-BUILT CABLE STAY SHALL ENCR OACH INTO THE CABLE STAY CLEARANCE ENVELOPE.



CONTROL COORDINATES

BRIDGE CONSTRUCTION				
①	PT	1283+25.31	219,985.7219	757,255.3651
②	PC	1312+00.01	222,835.7841	756,879.7721
	PI	1316+88.63	223,320.2184	756,815.9314
	CC		221,333.2576	745,478.3505
③	PCC	1321+76.67	223,797.4916	756,711.2287
④	POB	1287+00.00	220,357.2043	757,206.4096
⑤	POE	1313+00.00	222,934.9531	756,866.2643

CURVE DATA

①	SR 1
Δ	= 4° 51' 57.41" LT
D_c	= 0' 29' 53.61"
R	= 11,500.00'
T	= 488.62'
L	= 976.66'
E	= 10.38'
S/E	= NONE
	60 MPH AASHTO

NOTE:
 1. DATUMS: VERTICALLY, THIS PROJECT REFERENCES NGVD 88. HORIZONTALLY, THIS PROJECTS REFERENCES THE DELAWARE STATE COORDINATE SYSTEM FOR NAD 83/91.



ADDENDUMS / REVISIONS

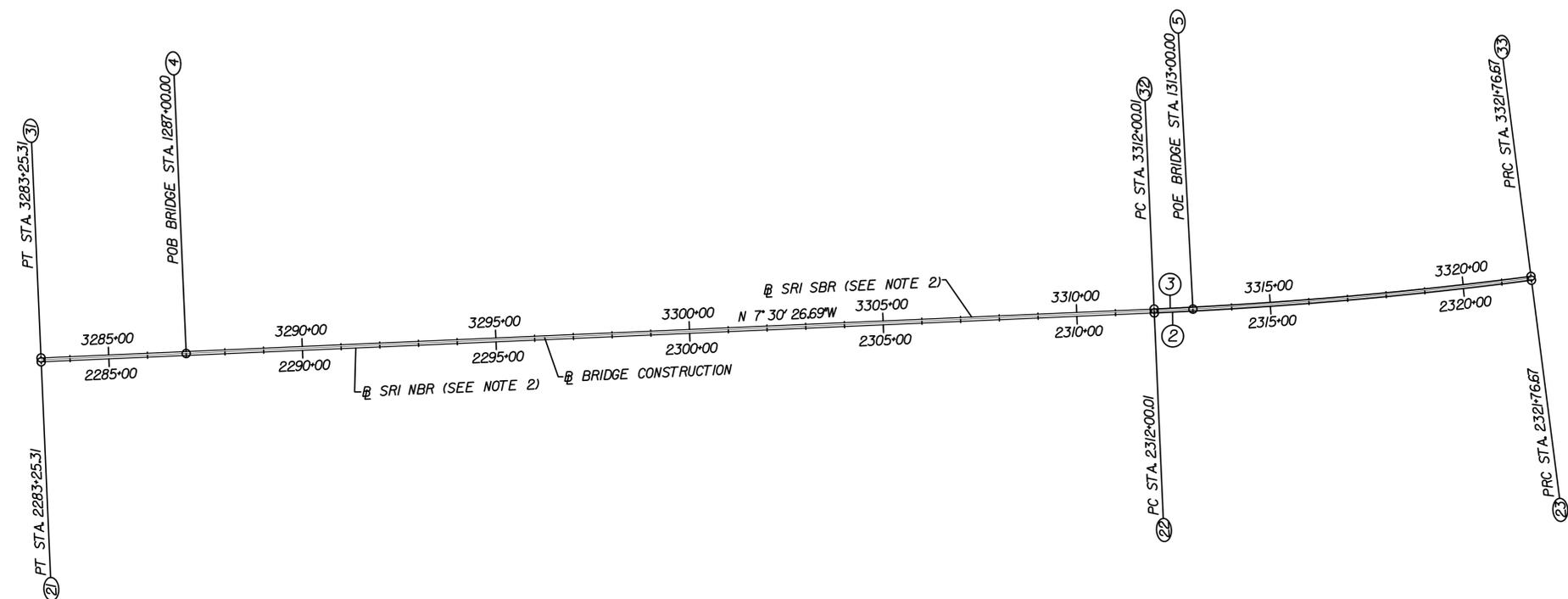
SCALE: 1" = 400'

REPLACEMENT OF
 BR 3-156 SR 1 OVER
 INDIAN RIVER INLET

CONTRACT 26-073-03/ BROS-S050(9)	BRIDGE NO. 3-156
COUNTY SUSSEX	DESIGNED BY: K.R.S.
	CHECKED BY: R.E.H.

HORIZONTAL & VERTICAL CONTROL

SHEET NO. B-04
TOTAL SHTS. B-06



CONTROL COORDINATES

@ NORTHBOUND ROADWAY				
①	PT	2283+25.31	219986.3794	757260.3217
②	PC	2312+00.01	222836.4374	756884.293
	PI	2316+88.85	223321.0823	756820.8607
	CC		221333.2576	745478.3505
③	PCC	2321+77.09	223798.5630	756716.1125

CURVE DATA

② SR 1 NBR	
Δ	- 45° 57.41' LT
Dc	- 0' 29' 53.61"
R	- 11,505.00'
T	- 488.62'
L	- 977.08'
E	- 10.38'
S/E	- NONE
	60 MPH AASHTO

CONTROL COORDINATES

@ SOUTHBOUND ROADWAY				
③	PT	3283+25.31	219985.0729	757250.4074
②	PC	3312+00.01	222835.1308	756874.8150
	PI	3316+88.42	223319.3546	756811.0020
	CC		221333.2576	745478.3505
③	PCC	3321+76.24	223796.4202	756706.3448

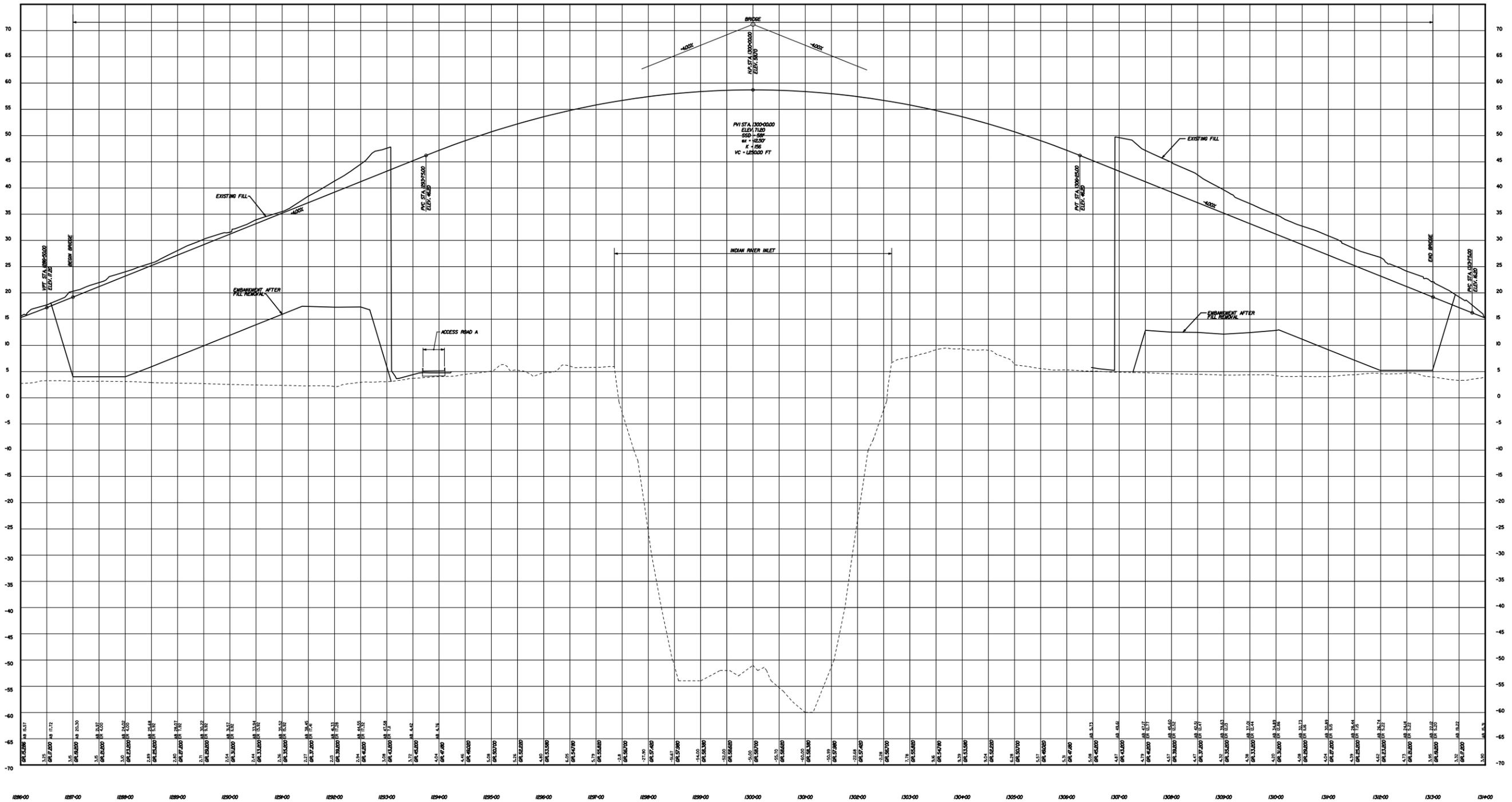
CURVE DATA

③ SR 1 SBR	
Δ	- 45° 57.41' LT
Dc	- 0' 29' 53.61"
R	- 11,495.00'
T	- 488.41'
L	- 976.23'
E	- 10.37'
S/E	- NONE
	60 MPH AASHTO

CONTROL COORDINATES

@ BRIDGE CONSTRUCTION				
④	POB	1287+00.00	220,357.2043	757,206.4096
⑤	POE	1313+00.00	222,934.9531	756,866.2643

NOTE:
 1. DATUMS, VERTICALLY, THIS PROJECT REFERENCES NGVD 88. HORIZONTALLY, THIS PROJECTS REFERENCES THE DELAWARE STATE COORDINATE SYSTEM FOR NAD 83/91.
 2. THE DESIGN-BUILDER MAY ADJUST THE ALIGNMENT OF THE NORTHBOUND ROADWAY BASELINE AND SOUTHBOUND ROADWAY BASELINE BETWEEN STA. 1287+00 AND STA. 1313+00.



1286+00 1287+00 1288+00 1289+00 1290+00 1291+00 1292+00 1293+00 1294+00 1295+00 1296+00 1297+00 1298+00 1299+00 1300+00 1301+00 1302+00 1303+00 1304+00 1305+00 1306+00 1307+00 1308+00 1309+00 1310+00 1311+00 1312+00 1313+00 1314+00



ADDENDUMS / REVISIONS	

HOR. SCALE: 1"=200'
VER. SCALE: 1"=20'

**REPLACEMENT OF
BR 3-156 SR 1 OVER
INDIAN RIVER INLET**

CONTRACT 26-073-03/ BROS-S050(9)	BRIDGE NO. BR 3-156
COUNTY SUSSEX	DESIGNED BY: K.R.S.
	CHECKED BY: R.E.H.

PROFILE

SHEET NO. B-05
TOTAL SHTS. B-06

TRAFFIC RESTRICTIONS

		MAY TO SEPTEMBER (MEMORIAL DAY TO LABOR DAY)		SEPTEMBER TO MAY (POST LABOR DAY TO PRE MEMORIAL DAY)	
		STATE ROUTE 1		STATE ROUTE 1	
		Start	End	Start	End
Monday	Start	No Lane Closures Permitted	No Lane Closures Permitted	Anytime	Anytime
	End				
Tuesday through Thursday	Start	9 am	6 pm	Anytime	Anytime
	End	3 pm	7 am	Anytime	Anytime
Friday	Start	No Lane Closures Permitted	No Lane Closures Permitted	Anytime	Anytime
	End				
Saturday	Start	No Lane Closures Permitted	No Lane Closures Permitted	Anytime	Anytime
	End				
Sunday	Start	No Lane Closures Permitted	No Lane Closures Permitted	Anytime	Anytime
	End				

NOTE: THE TRAFFIC LANES ON SR 1 AND ON THE PARK ACCESS ROADS MAY BE REDUCED TO SINGLE LANES, ONE LANE IN EACH DIRECTION ON SR 1 AND ONE LANE WITH FLAGGER CONTROLLED MOVEMENTS ON THE PARK ACCESS ROADS, DURING THE HOURS DESIGNATED IN THE TRAFFIC RESTRICTION CHART ABOVE.

CONSTRUCTION MILESTONES

NOTE: ACTUAL DATES ASSOCIATED WITH EACH MILESTONE ACTIVITY SHALL BE DETERMINED BY THE ENGINEER FOR THE APPLICABLE ACTIVITIES IS INDICATED IN THE NOTICE TO CONTRACTORS IN THE SPECIAL PROVISIONS.

- ROADWAY ITEMS TO BE COMPLETE PRIOR TO BRIDGE CONSTRUCTION (BY OTHERS):
COMPLETION OF ACCESS ROAD B RELOCATION UP TO AND INCLUDING HOT MIX TYPE B
DEMOLITION/RELOCATION OF PARK BUILDINGS:
NORTH BATH HOUSE/SEWER PUMP STATION
NORTH SHELTER
SOUTH CONTACT STATION
NORTH SIDE TEMPORARY PARKING LOT
BATCH PLANT FENCING
SET UP MOT FOR ROAD 50A DETOUR, INCLUDING EXTENSION OF LEFT TURN LANE AT SR-5 INTERSECTION AND SIGNING
EXCAVATION AND TIE-BACKS FOR THE TEMPORARY SUPPORT OF SR 1
- ROADWAY ITEMS TO BE COMPLETE PRIOR TO MAY 30TH 2006 (BY OTHERS):
FRESH PONDS NORTH MITIGATION SITE
TERRAPIN MITIGATION SITE
SOUTH PARK RV EXPANSION
SOUTH PARK TENT SITE EXPANSION
- BRIDGE ITEMS TO BE COMPLETED AS A FIRST ORDER OF WORK:
NORTH AND SOUTH ABUTMENT FOUNDATION, FOOTINGS AND BACKWALL
- ROADWAY ITEMS TO BE COMPLETE PRIOR TO MAIN SPAN SUPERSTRUCTURE ERECTION (BY OTHERS):
BRIDGE APPROACH ROADWAY EMBANKMENT AND SURCHARGE PLACEMENT
- ROADWAY ITEMS TO BE COMPLETE PRIOR TO BRIDGE OPENING (BY OTHERS):
SOUTHBOUND SR 1 ROADWAY TIE-INS INCLUDING GUARDRAIL, STRIPING, ETC.
MSE WALL FINAL FACING ON WEST SIDE WALLS ONLY
CONNECTIV FACILITY INFRASTRUCTURE
ROADWAY LANDSCAPING SHOWN THROUGH STAGE 2 PHASE E
- BRIDGE ITEMS TO BE COMPLETE PRIOR TO BRIDGE OPENING:
BRIDGE OVERLAY AND APPROACH SLABS
BRIDGE ELECTRICAL, INCLUDING BRIDGE LIGHTING
BATCH PLANT REMOVED, RESTORE AND VACATE AREA 2
DELTRAC SECURITY MEASURES
BRIDGE SIDEWALK AND INTERPRETIVE SIGNS (ON BRIDGE ONLY)
- PARK ITEMS TO BE COMPLETE PRIOR TO BRIDGE OPENING (BY OTHERS):
NORTH PROMENADE OUTSIDE STAGING AREA 4
- DEMOLITION ITEMS TO BE COMPLETE PRIOR TO BRIDGE OPENING:
DEMOLITION OF TEMPORARY TOWERS AND/OR OTHER TEMPORARY WORKS
- 60 DAYS AFTER BRIDGE OPENING:
BRIDGE CONTRACTOR RESTORES AND VACATES STAGING AREAS 3 AND 4 FOR PARK CONSTRUCTION
ROADWAY CONTRACTOR REMOVES/RELOCATE FIELD OFFICE COMPLEX FOR PARK CONTRACTOR
- ROADWAY ITEMS TO BE COMPLETE PRIOR TO BRIDGE DEMOLITION (BY OTHERS):
COMPLETE SAND BY-PASS SYSTEM SYSTEM RELOCATION
ROADWAY CONTRACTOR RESTORES AND VACATES STAGING AREAS 5 FOR DEMOLITION CONTRACTOR
- 30 DAYS AFTER BRIDGE DEMOLITION (BY OTHERS):
DEMOLITION CONTRACTOR RESTORES AND VACATES STAGING AREA 5

CONSTRUCTION PHASING STAGING AREA AND MILESTONES

GRAPHIC SCALE
250 125 0 250



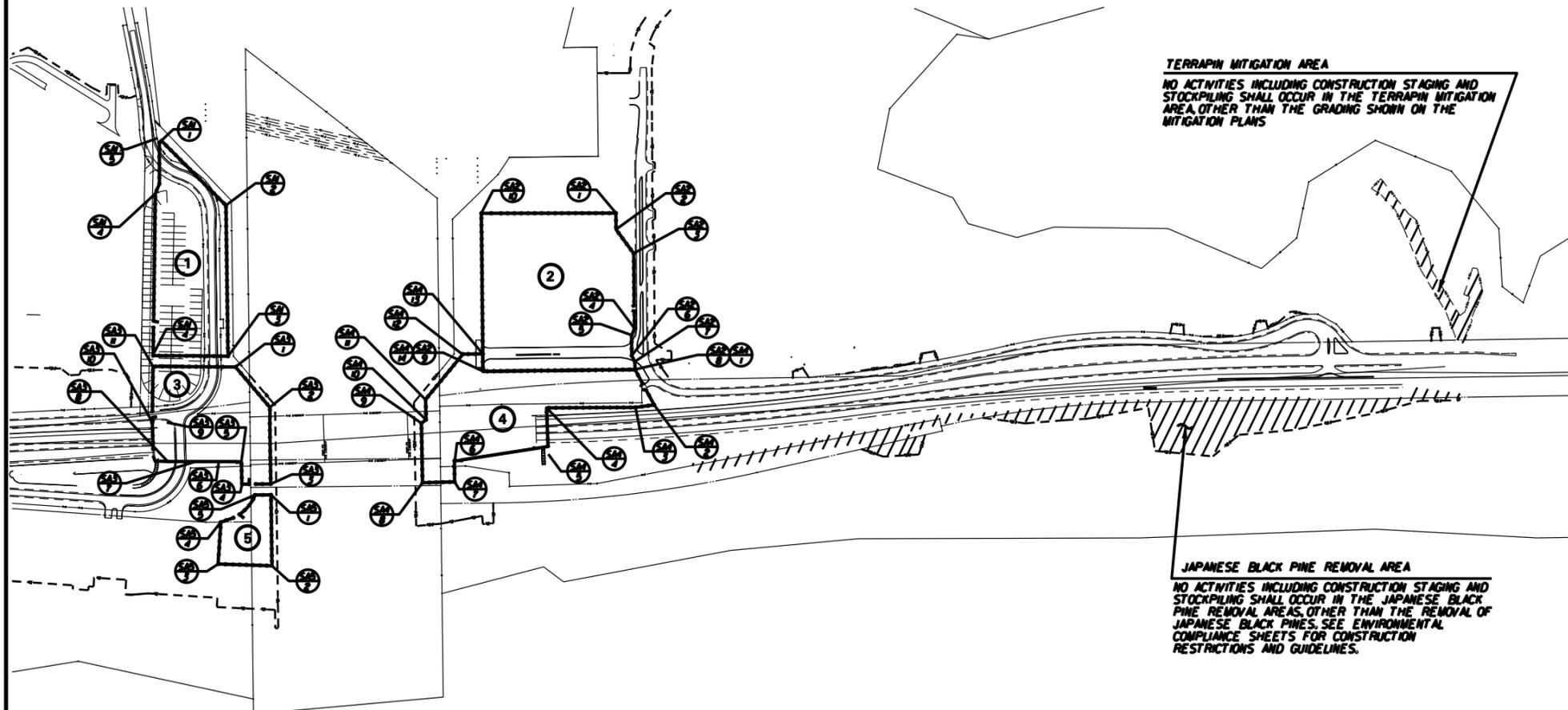
CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHEETS
26-073-03	SUSSEX	BROS-50501 91	B-06	B-06

BR. 3-156

REPLACEMENT OF BR 3-156
SR 1 OVER INDIAN RIVER INLET

REVISIONS

CHANGED STAGING AREA 1	
PROVISIONS 04/21/08	



TERRAPIN MITIGATION AREA

NO ACTIVITIES INCLUDING CONSTRUCTION STAGING AND STOCKPILING SHALL OCCUR IN THE TERRAPIN MITIGATION AREA OTHER THAN THE GRADING SHOWN ON THE MITIGATION PLANS

JAPANESE BLACK PINE REMOVAL AREA

NO ACTIVITIES INCLUDING CONSTRUCTION STAGING AND STOCKPILING SHALL OCCUR IN THE JAPANESE BLACK PINE REMOVAL AREAS, OTHER THAN THE REMOVAL OF JAPANESE BLACK PINES. SEE ENVIRONMENTAL COMPLIANCE SHEETS FOR CONSTRUCTION RESTRICTIONS AND GUIDELINES.

STAGING AREA 1

NO.	NORTHING	EASTING
SA1-1	756017	220877
SA1-2	756233	220135
SA1-3	756783	220191
SA1-4	756803	220585
SA1-5	756213	220812
SA1-6	756025	220870

NOTE: BRIDGE CONTRACTOR RESTORE AND VACATE FOR ROADWAY CONTRACTOR 18 MONTHS PRIOR TO SCHEDULED OPENING OF BRIDGE TO TRAFFIC.

STAGING AREA 2

NO.	NORTHING	EASTING
SA2-1	756136	222569
SA2-2	756136	222575
SA2-3	756277	222640
SA2-4	756352	222675
SA2-5	756277	222665
SA2-6	756352	222673
SA2-7	756672	222686
SA2-8	765701	222689
SA2-9	756757	222132
SA2-10	756780	222075

NOTE: BATCH PLANT BRIDGE CONTRACTOR TO RESTORE AND VACATE UPON COMPLETION OF CONCRETE BARRIER FOR PARK AND ROADWAY CONTRACTORS. COORDINATE CONSTRUCTION OF ACCESS ROAD C THROUGH THIS AREA.

STAGING AREA 3

NO.	NORTHING	EASTING
SA3-1	756820	222222
SA3-2	756957	221361
SA3-3	757236	221389
SA3-4	757246	222284
SA3-5	75765	222174
SA3-6	75775	22191
SA3-7	75778	221071
SA3-8	75788	221071
SA3-9	757045	220587
SA3-10	757049	220534
SA3-11	756845	220589

NOTE: BRIDGE CONTRACTOR UPON COMPLETION OF STAGE 2, PHASE E (BRIDGE OPENING), RESTORE AND VACATE FOR PARK AND ROADWAY CONTRACTORS. COORDINATE CONSTRUCTION OF ACCESS ROADS A AND B THROUGH THIS AREA.

STAGING AREA 4

NO.	NORTHING	EASTING
SA4-1	756701	222689
SA4-2	756824	222771
SA4-3	756939	222703
SA4-4	756970	222717
SA4-5	757039	222388
SA4-6	757082	222357
SA4-7	75710	222053
SA4-8	75783	222045
SA4-9	756866	222022
SA4-10	756951	222137
SA4-11	75679	222137
SA4-12	75702	222101
SA4-13	75693	222125
SA4-14	756757	222132

NOTE: BRIDGE CONTRACTOR UPON COMPLETION OF STAGE 2, PHASE E (BRIDGE OPENING), RESTORE AND VACATE FOR PARK AND ROADWAY CONTRACTORS.

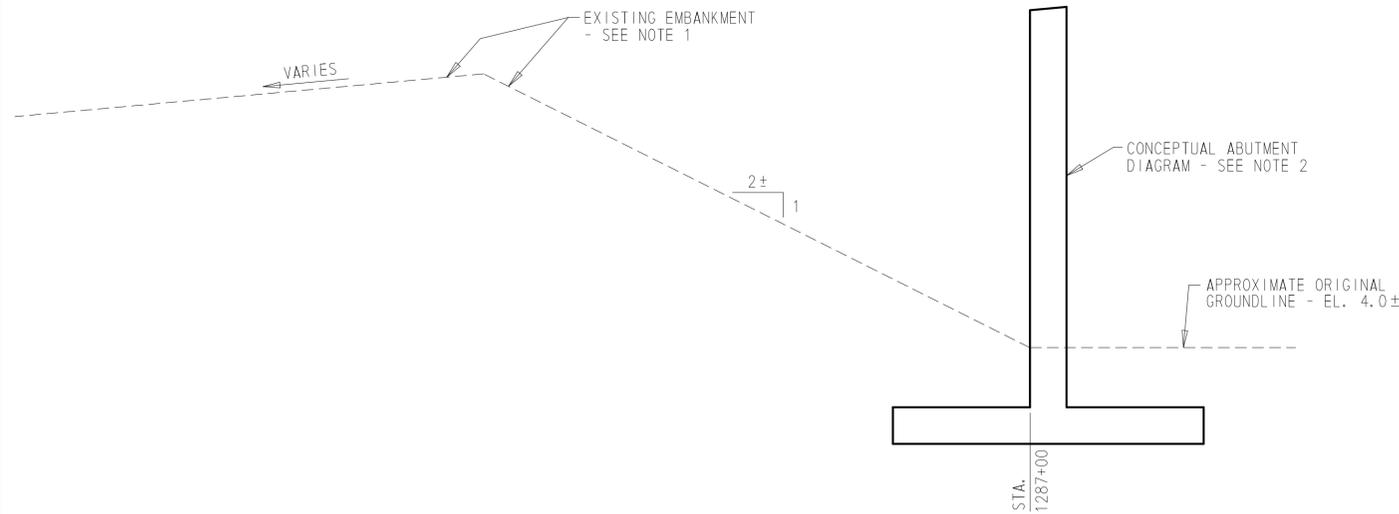
STAGING AREA 5

NO.	NORTHING	EASTING
SA5-1	757276	221393
SA5-2	757536	221449
SA5-3	757546	222221
SA5-4	757392	221217
SA5-5	757282	221334

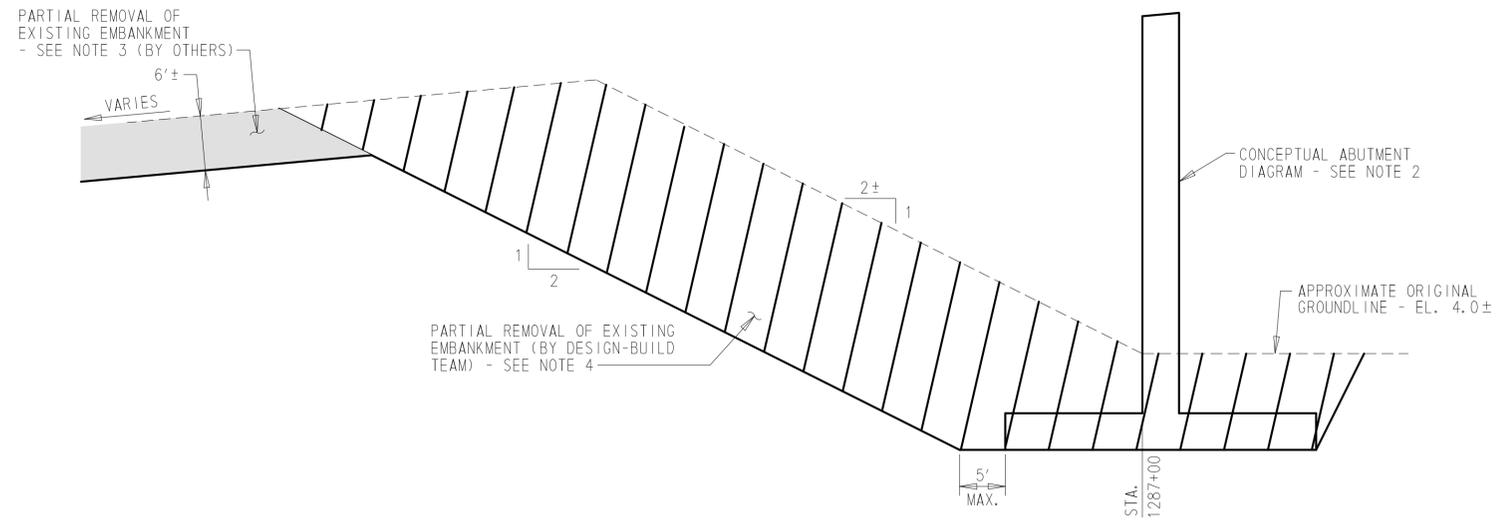
NOTE: ROADWAY CONTRACTOR UPON COMPLETION OF STAGE 2, PHASE E (BRIDGE OPENING), RESTORE AND VACATE FOR DEMO CONTRACTOR UPON COMPLETION OF BRIDGE DEMOLITION, CONTRACTOR SHALL RESTORE AND VACATE FOR PARK CONTRACTOR.

NOTE: EACH STAGING AREA SHALL HAVE A 24' SWING GATE. COST SHALL BE INCLUDED IN ITEM 727004, CHAIN LINK FENCE 6' HIGH.

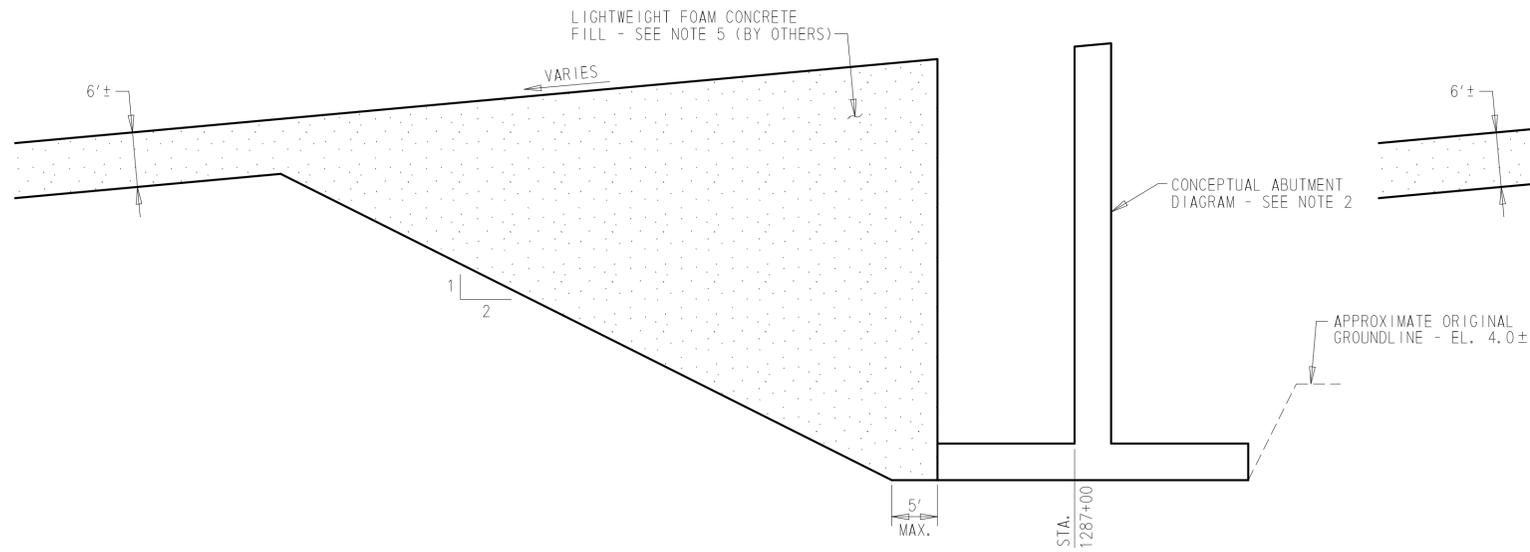
NOTE: THE STAGING AREA DRAWING IS TO BE USED TO DEFINE AVAILABLE SPACE AND SEQUENCING.



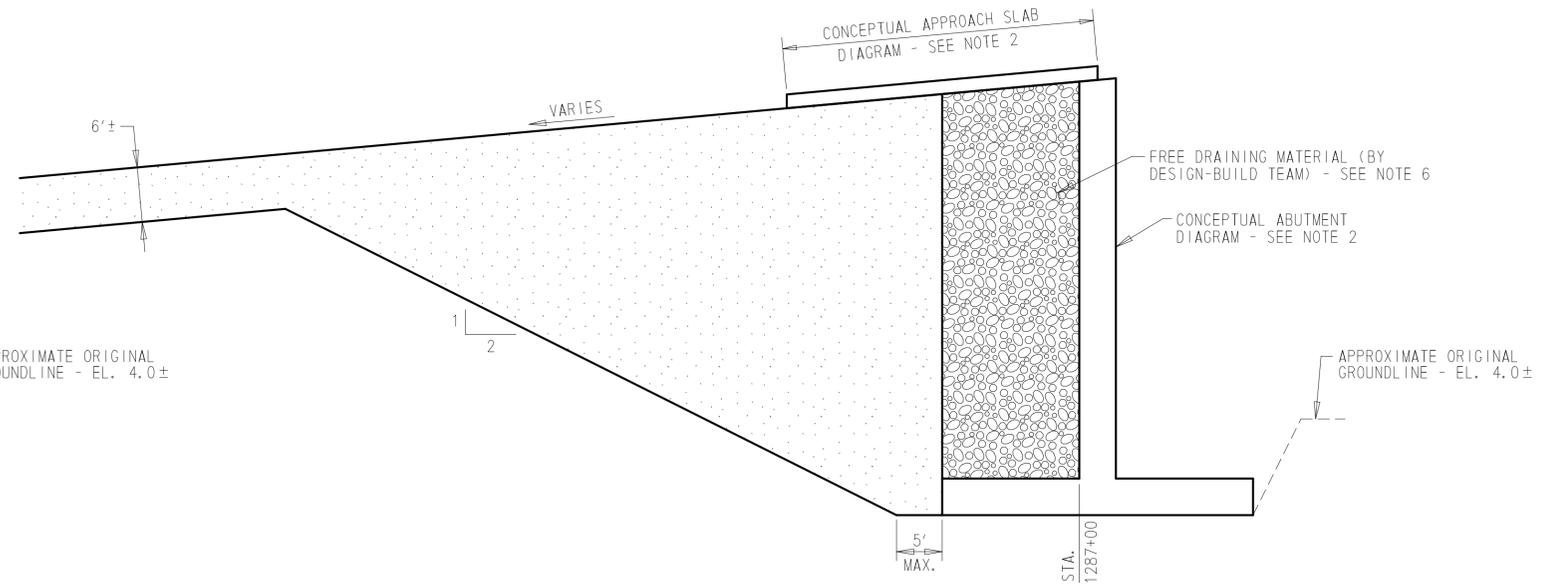
EXISTING CONDITIONS AT SOUTH EMBANKMENT
SCALE: NOT TO SCALE



PROPOSED CONDITIONS AT SOUTH EMBANKMENT - PHASE I
SCALE: NOT TO SCALE



PROPOSED CONDITIONS AT SOUTH EMBANKMENT - PHASE II
SCALE: NOT TO SCALE

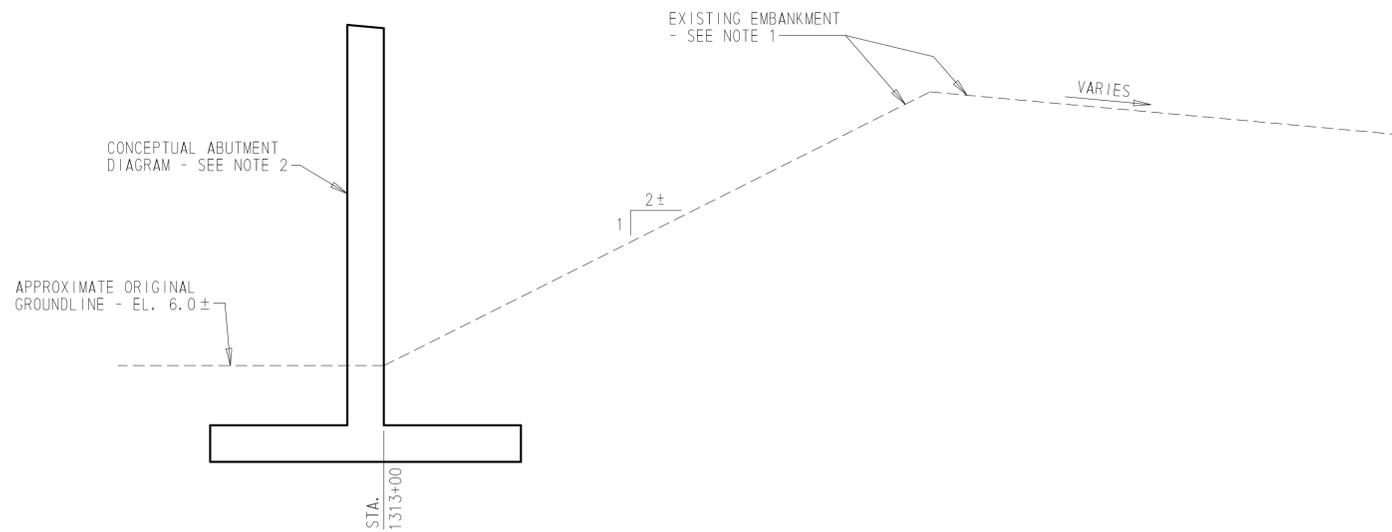


PROPOSED CONDITIONS AT SOUTH EMBANKMENT - PHASE III
SCALE: NOT TO SCALE

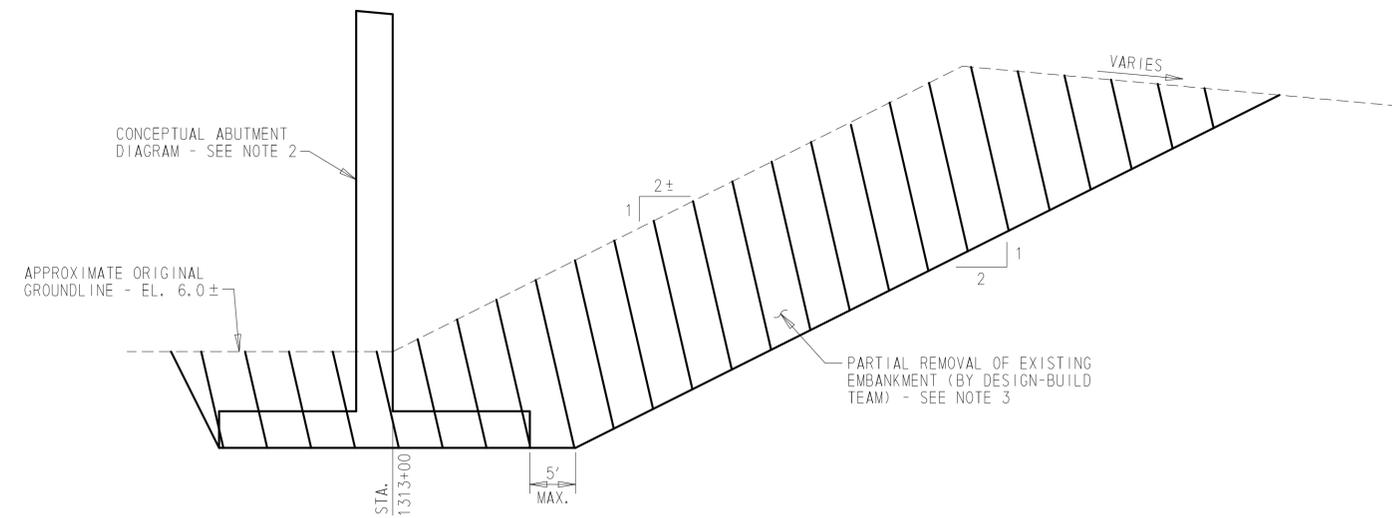
NOTES:

1. THE EXISTING EMBANKMENT LIMITS SHOWN ARE APPROXIMATE AND ARE BASED ON THE LIMITS SPECIFIED UNDER CONTRACT 28-073-02.
2. THE CONCEPTUAL ABUTMENT DIAGRAM AND CONCEPTUAL APPROACH SLAB DIAGRAM ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE CONSIDERED REPRESENTATIVE OF THE DESIGN-BUILD TEAMS PROPOSED ABUTMENT OR APPROACH SLAB DESIGNS. DEEP FOUNDATION ELEMENTS, IF REQUIRED, ARE NOT SHOWN ON THE CONCEPTUAL ABUTMENT DIAGRAM FOR CLARITY. THE DIAGRAMS SHOWN ARE NOT TO SCALE.
3. AREA SHOWN SHADED TO BE REMOVED UNDER A FUTURE CONTRACT BY OTHERS TO THE LIMITS SPECIFIED AND REPLACED WITH LIGHTWEIGHT FOAM CONCRETE FILL (BY OTHERS).
4. AREA SHOWN HATCHED DENOTES THE LIMITS OF EXISTING EMBANKMENT REMOVAL BY THE DESIGN-BUILD TEAM FOR THE PURPOSES OF CONSTRUCTING THE NEW BRIDGE ABUTMENT.
5. FOLLOWING ABUTMENT CONSTRUCTION, THE AREA BEHIND THE ABUTMENT WILL BE BACKFILLED WITH LIGHTWEIGHT FOAM CONCRETE FILL HAVING A UNIT WEIGHT OF 65 PCF. THE LIGHTWEIGHT FOAM CONCRETE FILL WILL BE PLACED BY OTHERS UNDER A FUTURE CONTRACT.
6. AS AN ALTERNATE TO THE FREE DRAINING MATERIAL SHOWN, THE DESIGN-BUILD TEAM MAY PROPOSE TO PLACE LIGHTWEIGHT FOAM CONCRETE FILL WITHIN THE LIMITS SHOWN PROVIDED AN ADEQUATE DRAINAGE SYSTEM IS INCORPORATED INTO THE DESIGN AND DETAIL OF THE ABUTMENT.
7. THE NORTH AND SOUTH ABUTMENTS SHALL BE FULLY CONSTRUCTED BY THE DESIGN-BUILD TEAM AND PREPARED FOR BACKFILLING TO BE PERFORMED BY OTHERS A MINIMUM OF 18 MONTHS PRIOR TO THE NEW BRIDGE BEING AVAILABLE TO TRAFFIC.

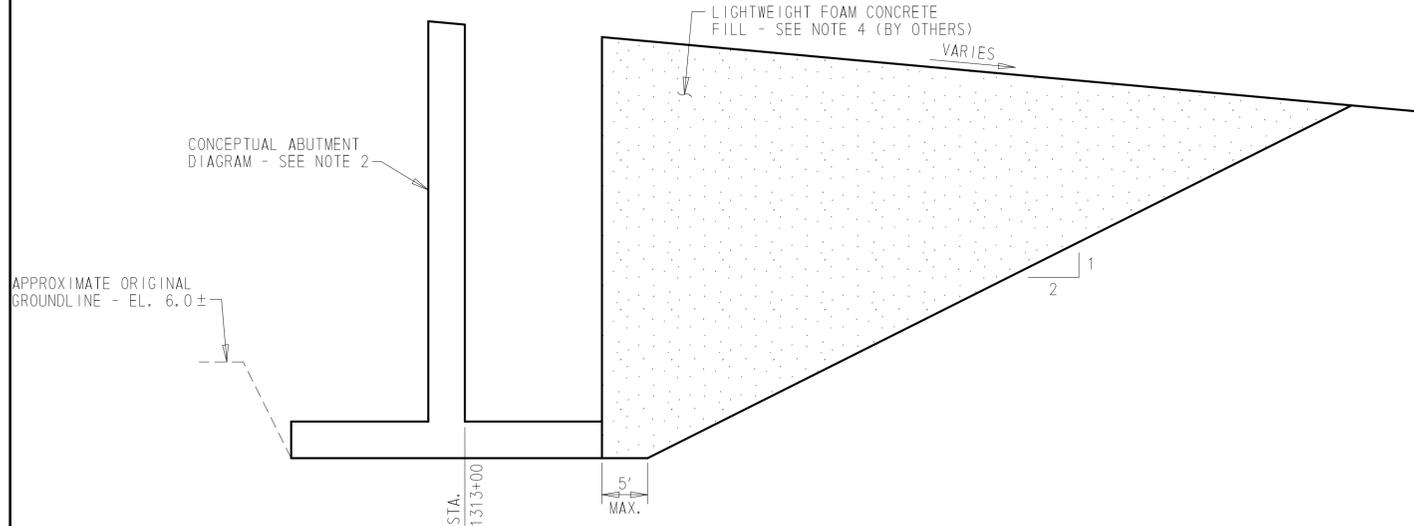
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE: NOT TO SCALE	REPLACEMENT OF BR 3-156 SR 1 OVER INDIAN RIVER INLET	CONTRACT 26-073-03/ BROS-S050(9)	BRIDGE NO. 3-156	PROPOSED CONDITIONS AT SOUTH EMBANKMENT	SHEET NO. B-07
	▲ ADDED SHEET 4/22/08			COUNTY SUSSEX	DESIGNED BY: M.P.		TOTAL SHTS. B-08
					CHECKED BY: W.A.G.		



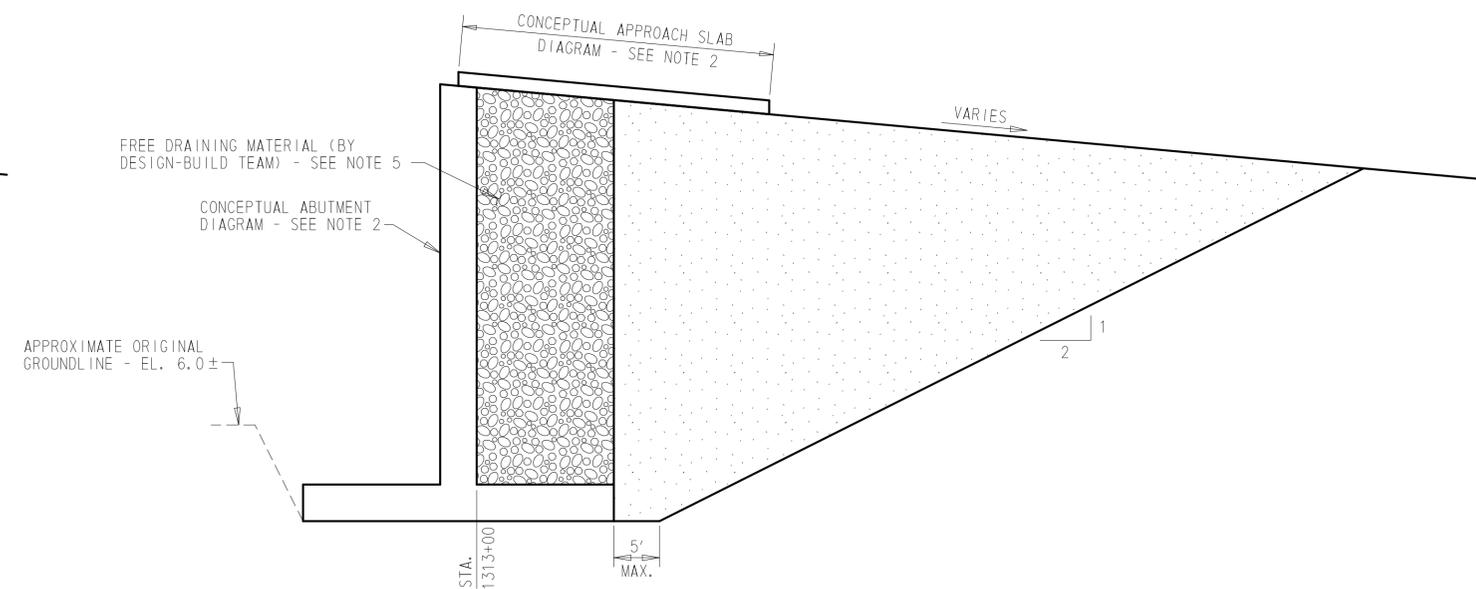
EXISTING CONDITIONS AT NORTH EMBANKMENT
SCALE: NOT TO SCALE



PROPOSED CONDITIONS AT NORTH EMBANKMENT - PHASE I
SCALE: NOT TO SCALE



PROPOSED CONDITIONS AT NORTH EMBANKMENT - PHASE II
SCALE: NOT TO SCALE



PROPOSED CONDITIONS AT NORTH EMBANKMENT - PHASE III
SCALE: NOT TO SCALE

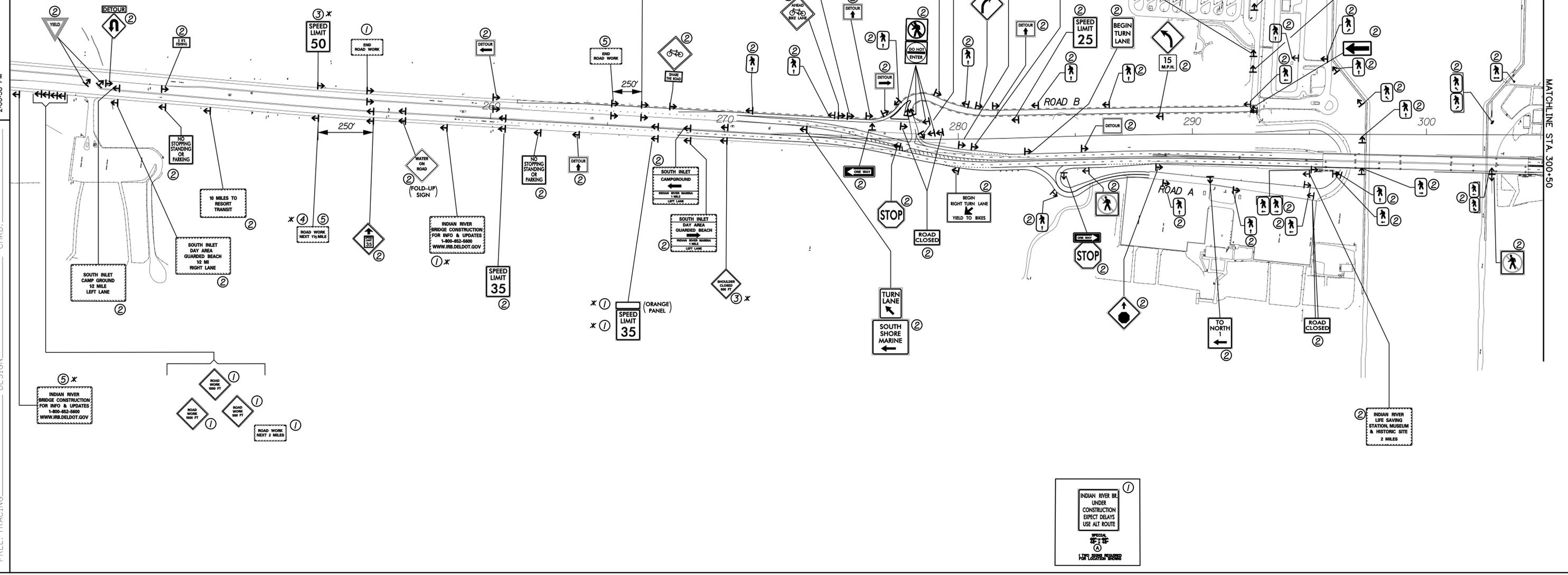
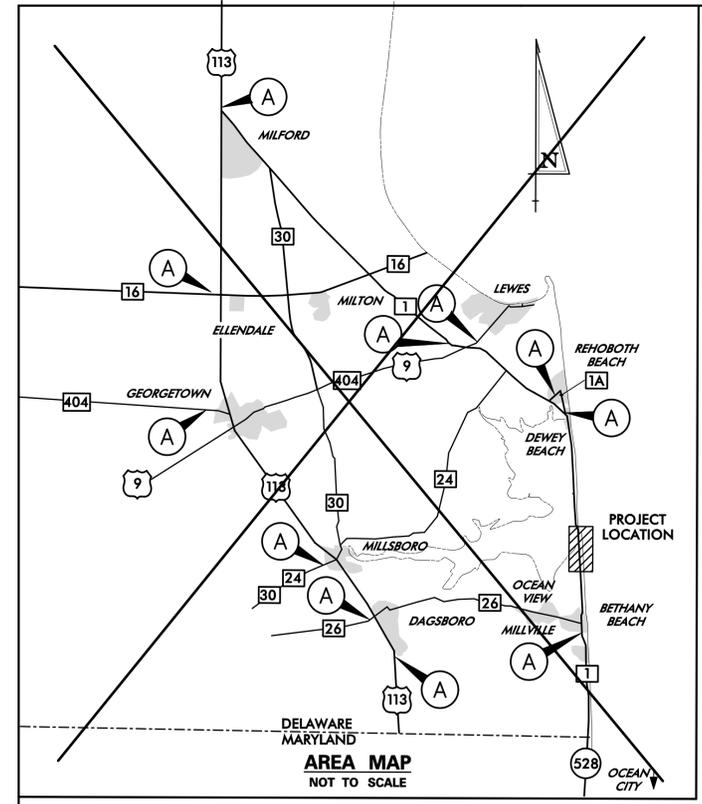
NOTES:

1. THE EXISTING EMBANKMENT LIMITS SHOWN ARE APPROXIMATE AND ARE BASED ON THE LIMITS SPECIFIED UNDER CONTRACT 28-073-02.
2. THE CONCEPTUAL ABUTMENT DIAGRAM AND CONCEPTUAL APPROACH SLAB DIAGRAM ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE CONSIDERED REPRESENTATIVE OF THE DESIGN-BUILD TEAMS PROPOSED ABUTMENT OR APPROACH SLAB DESIGNS. DEEP FOUNDATION ELEMENTS, IF REQUIRED, ARE NOT SHOWN ON THE CONCEPTUAL ABUTMENT DIAGRAM FOR CLARITY. THE DIAGRAMS SHOWN ARE NOT TO SCALE.
3. AREA SHOWN HATCHED DENOTES THE LIMITS OF EXISTING EMBANKMENT REMOVAL BY THE DESIGN-BUILD TEAM FOR THE PURPOSES OF CONSTRUCTING THE NEW BRIDGE ABUTMENT.
4. FOLLOWING ABUTMENT CONSTRUCTION, THE AREA BEHIND THE ABUTMENT WILL BE BACKFILLED WITH LIGHTWEIGHT FOAM CONCRETE FILL HAVING A UNIT WEIGHT OF 65 PCF. THE LIGHTWEIGHT FOAM CONCRETE FILL WILL BE PLACED BY OTHERS UNDER A FUTURE CONTRACT.
5. AS AN ALTERNATE TO THE FREE DRAINING MATERIAL SHOWN, THE DESIGN-BUILD TEAM MAY PROPOSE TO PLACE LIGHTWEIGHT FOAM CONCRETE FILL WITHIN THE LIMITS SHOWN PROVIDED AN ADEQUATE DRAINAGE SYSTEM IS INCORPORATED INTO THE DESIGN AND DETAIL OF THE ABUTMENT.
6. THE NORTH AND SOUTH ABUTMENTS SHALL BE FULLY CONSTRUCTED BY THE DESIGN-BUILD TEAM AND PREPARED FOR BACKFILLING TO BE PERFORMED BY OTHERS A MINIMUM OF 18 MONTHS PRIOR TO THE NEW BRIDGE BEING AVAILABLE TO TRAFFIC.

CONTRACT 23-073-03	COUNTY SUSSEX	F.A.P. NO. BROS-S050(7)	SHEET NO. 237a	TOTAL SHTS.
BR 156 ON SR 1 OVER INDIAN RIVER INLET				
REVISIONS				
2 REVISION No. 2 NEW SHEET 09/14/07, RKK				

SIGNING LEGEND	
①	EXISTING SIGN TO BE REMOVED
②	EXISTING SIGN TO REMAIN
③	NEW SIGN
④	RENEW EXISTING SIGN
⑤	RE-POSITION EXISTING SIGN
* BY DELDOT FORCES	

INTERIM SIGNING PLAN



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PREL. TRACING
RKK&K
DESIGN
RKK&K
CHKD.
RKK&K

MATCHLINE STA. 300+50

INDIAN RIVER BR. UNDER CONSTRUCTION EXPECT DELAYS USE ALT ROUTE
SPECIAL SIGN (1)
1 1/2 MILES AHEAD FOR LOCATION SHOWN

