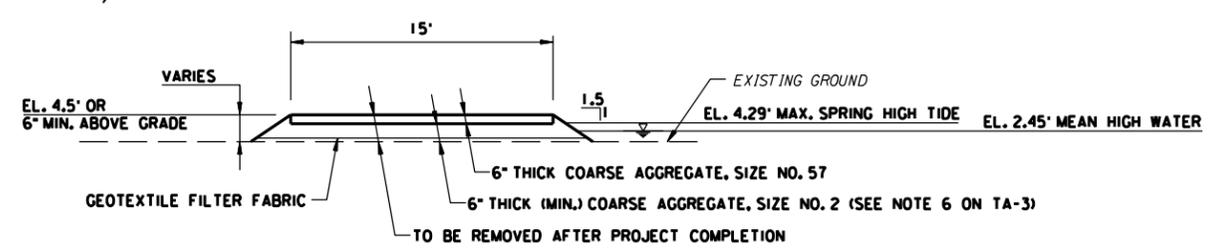
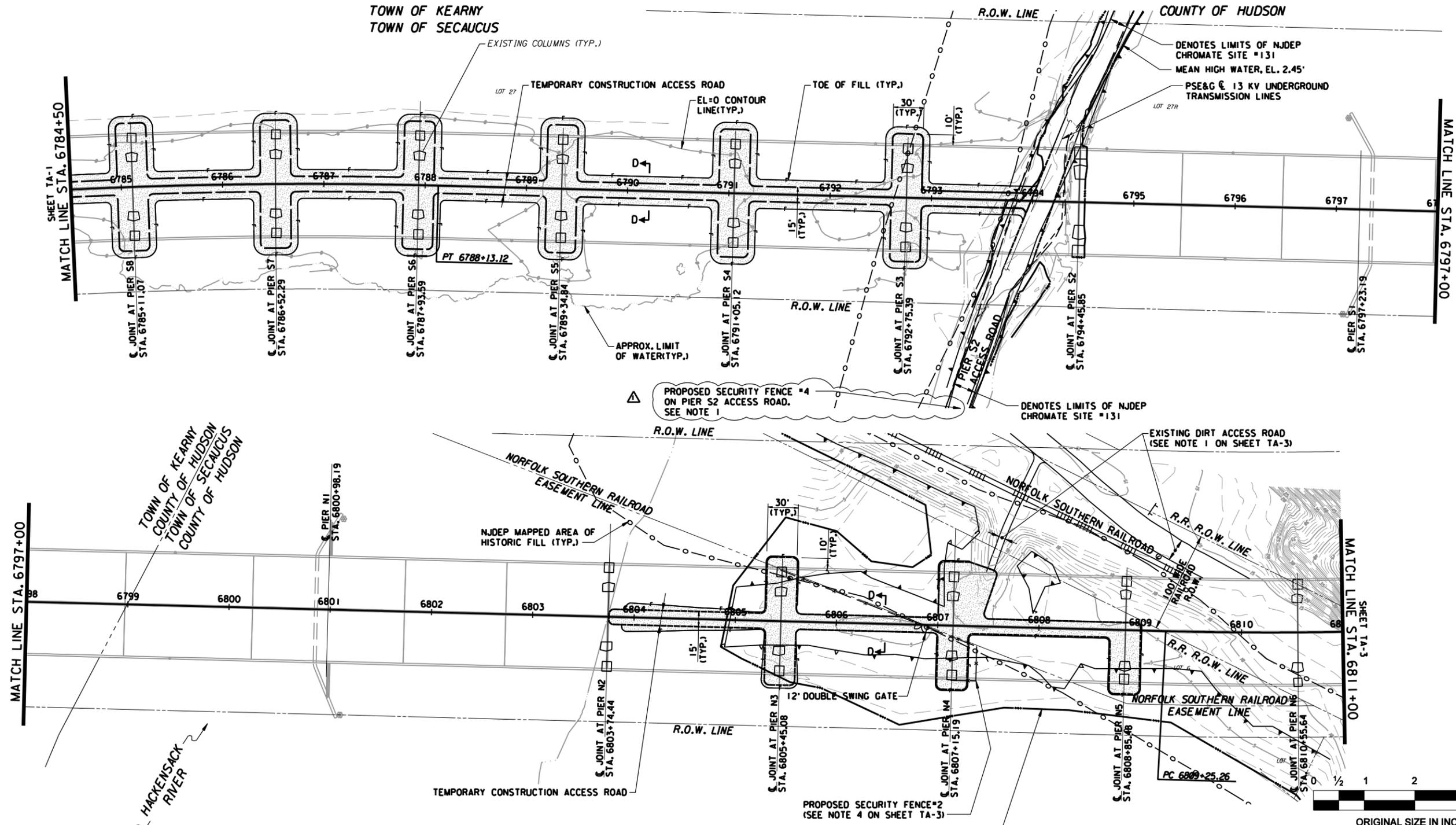


TOWN OF KEARNY
TOWN OF SECAUCUS

COUNTY OF HUDSON



NOTES
1. PROPOSED SECURITY FENCE #4 ON PIER S2 ACCESS ROAD SHALL BE INSTALLED WHERE DIRECTED BY THE ENGINEER NEAR THE SOUTHERN TERMINUS OF THE ROAD. FOR LAYOUT AND NOTES SEE SHEET TA-3.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.137
BRIDGE DECK RECONSTRUCTION, MISCELLANEOUS STRUCTURAL AND ROADWAY IMPROVEMENTS, AND REPAINTING OF STRUCTURAL STEEL, STRUCTURE NO. E109.83

TEMPORARY CONSTRUCTION ACCESS ROAD DETAILS - 2

DEWBERRY-GOODKIND, INC.
200 BROADACRES DRIVE, BLOOMFIELD, NJ 07003
CERTIFICATE OF AUTHORIZATION NO. 24GA28047800

SCALE: 1"=50'
DATE: FEB. 2011

STAVROS A. KAMILARIS, P.E.
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03345000

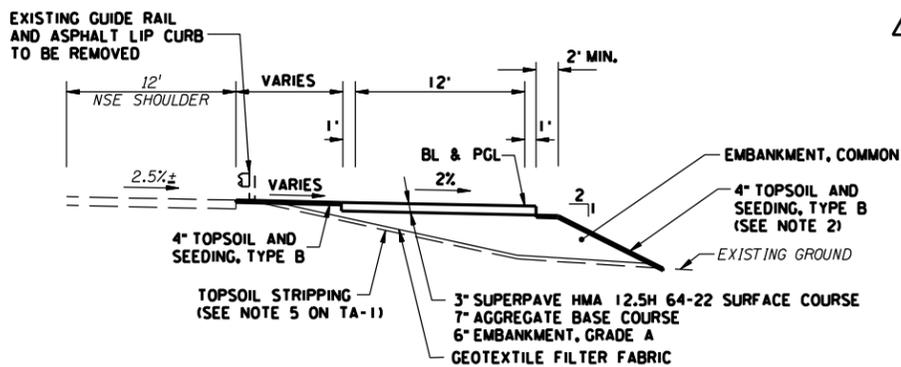
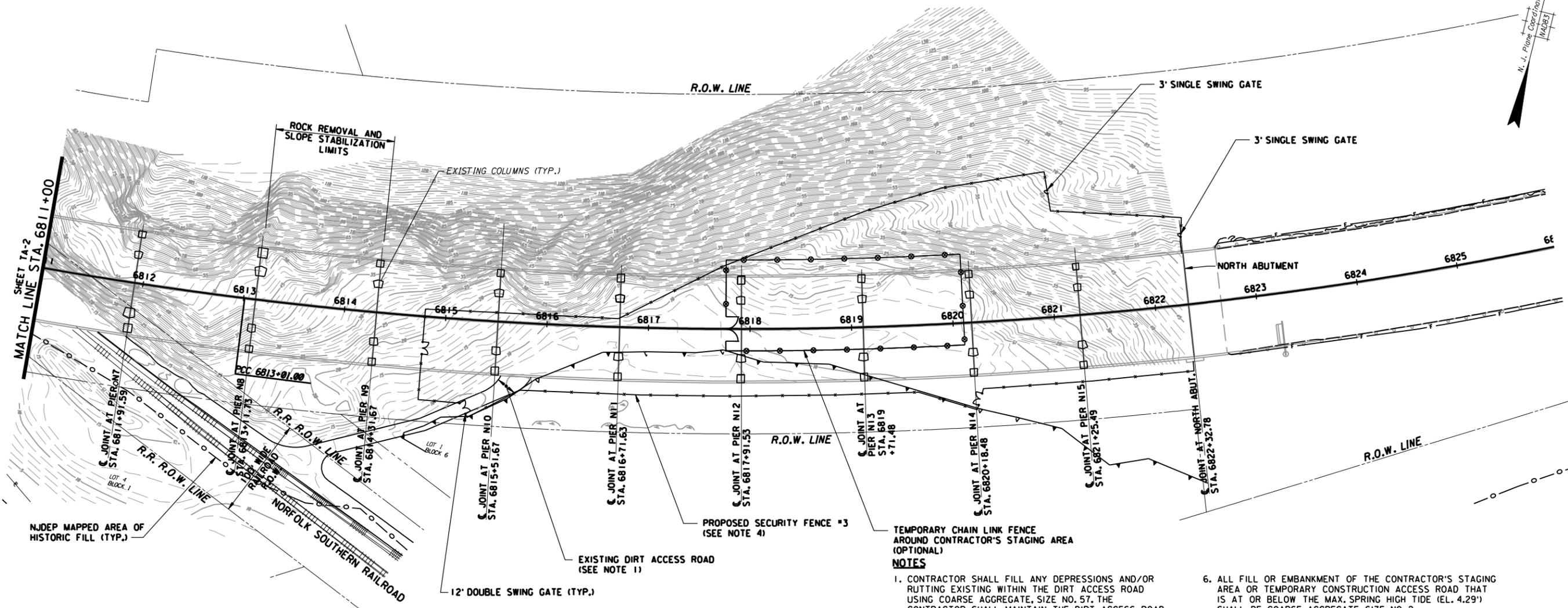
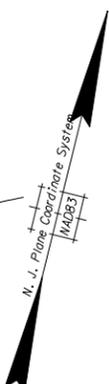
	BY	DATE
MADE	MM	2/11
TRACED	CM	2/11
CHECKED	BS	2/11
SUPERVISED	SAK	

SECTION D-D
STA. 6770+10 TO STA. 6794+00
STA. 6803+75 TO STA. 6810+70
N.T.S.

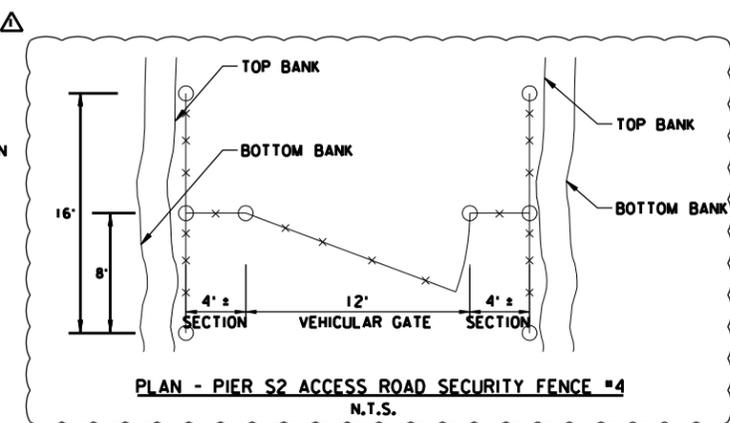
REV.	DESCRIPTION	DATE	BY	CHK.
1	ADDENDUM NO. 3 - SECURITY FENCE ADDED	04/26/11		

TA-2
TA-3

43
400



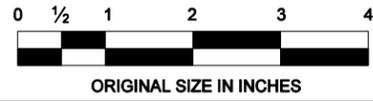
SECTION C-C
N.T.S.



PLAN - PIER S2 ACCESS ROAD SECURITY FENCE #4
N.T.S.

NOTES

- CONTRACTOR SHALL FILL ANY DEPRESSIONS AND/OR RUTTING EXISTING WITHIN THE DIRT ACCESS ROAD USING COARSE AGGREGATE, SIZE NO. 57. THE CONTRACTOR SHALL MAINTAIN THE DIRT ACCESS ROAD IN GOOD CONDITION AND SHALL PERFORM REPAIRS AS REQUIRED AND AS DIRECTED BY THE ENGINEER. FOR ADDITIONAL INFORMATION REFER TO SPECIFICATION SECTION 104.16.
- SLOPES WITHIN 30' OF THE NSE TRAVEL LANE SHALL BE SLOPED AT 4H:1V MAXIMUM.
- THE HACKENSACK RIVER 100 YEAR FLOOD ELEVATION IS 7.6 (NAVD 1988)
- THE PROPOSED SECURITY FENCE SHALL BE CONSTRUCTED AT THE END OF THE PROJECT, AFTER REMOVAL OF TEMPORARY CONSTRUCTION ACCESS ROAD AND AFTER ALL EXISTING GROUND HAS BEEN RESTORED. FOR SECURITY FENCE LAYOUT AND DETAILS SEE SHEETS SF-1 TO SF-3.
- A PORTION OF THE PROPOSED SECURITY FENCE IS WITHIN A NJDEP CHROMATE SITE #56 IN THE VICINITY OF THE SOUTH ABUTMENT AS SHOWN ON SHEET TA-1. THE PROPOSED SECURITY FENCE #4 IS WITHIN NJDEP CHROMATE SITE #131 ON PIER S2 ACCESS ROAD. POSTS WITHIN THE CHROMATE SITE SHALL BE SLEEVED IN ACCORDANCE WITH DETAIL ON SHEET SF-3. SEE ENVIRONMENTAL NOTES ON SHEET GN-3 AND SUPPLEMENTAL SPECIFICATIONS SECTION 535 FOR ADDITIONAL INFORMATION.
- ALL FILL OR EMBANKMENT OF THE CONTRACTOR'S STAGING AREA OR TEMPORARY CONSTRUCTION ACCESS ROAD THAT IS AT OR BELOW THE MAX. SPRING HIGH TIDE (EL. 4.29') SHALL BE COARSE AGGREGATE, SIZE NO. 2.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
CONTRACT NO. T100.137
BRIDGE DECK RECONSTRUCTION, MISCELLANEOUS STRUCTURAL AND ROADWAY IMPROVEMENTS, AND REPAINTING OF STRUCTURAL STEEL, STRUCTURE NO. E109.83

**TEMPORARY CONSTRUCTION
ACCESS ROAD DETAILS - 3**

DEWBERRY-GOODKIND, INC.
200 BROADACRES DRIVE, BLOOMFIELD, NJ 07003
CERTIFICATE OF AUTHORIZATION NO. 24GA28047800

STAVROS A. KAMILARIS, P.E.
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03345000

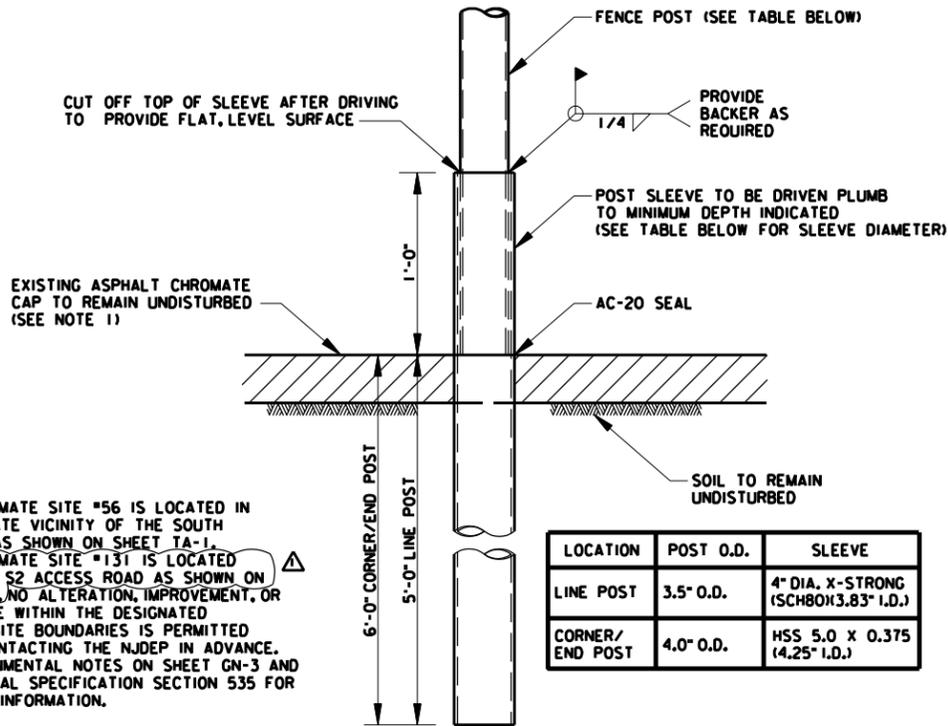
SCALE: 1"=50'
DATE: FEB. 2011

BY	DATE
MADE	PGY 2/11
TRACED	JFK 2/11
CHECKED	TT 2/11
SUPERVISED	SAK

REV.	DESCRIPTION	DATE	BY	CHK.
1	ADDENDUM NO. 3 - SECURITY FENCE ADDED	04/26/11		

SECURITY FENCE LAYOUT

CONSTR. #		
STATION	OFFSET (FT)	
FENCE #1		
6766+13.39	53.82	LT
6766+13.32	62.10	LT
6767+44.61	62.22	LT
6767+44.58	7.76	LT
6767+44.57	4.24	RT
6767+44.53	65.30	RT
6766+99.64	65.27	RT
6766+71.86	65.42	RT
6766+13.88	65.18	RT
6766+13.86	52.19	RT
FENCE #2		
6805+43.14	50.55	LT
6807+39.19	19.85	RT
6807+39.19	53.86	RT
6807+14.19	54.02	RT
FENCE #3		
6814+79.54	7.29	LT
6816+70.31	8.29	LT
6817+73.63	61.62	LT
6819+15.30	113.35	LT
6819+96.50	133.53	LT
6821+01.14	143.06	LT
6821+02.69	124.47	LT
6821+02.94	121.48	LT
6821+04.39	104.05	LT
6821+20.54	101.99	LT
6821+68.78	95.44	LT
6822+23.56	87.29	LT
6822+35.43	85.42	LT
6822+32.87	69.82	LT
6822+32.39	66.85	LT
6822+31.63	62.18	LT
6822+31.73	50.18	LT
6822+31.41	55.84	RT
6822+31.28	65.57	RT
6821+32.40	65.75	RT
6820+26.46	65.63	RT
6820+24.88	70.08	RT
6820+20.89	81.37	RT
6820+19.33	85.83	RT
6819+63.23	65.79	RT
6818+83.42	65.87	RT
6817+82.82	66.03	RT
6816+94.92	66.08	RT
6815+77.11	66.08	RT
6815+27.67	95.76	RT
6815+25.73	92.58	RT
6815+19.51	82.40	RT
6814+79.26	81.96	RT
6814+79.34	55.06	RT
6814+79.40	37.14	RT
6814+79.44	25.14	RT

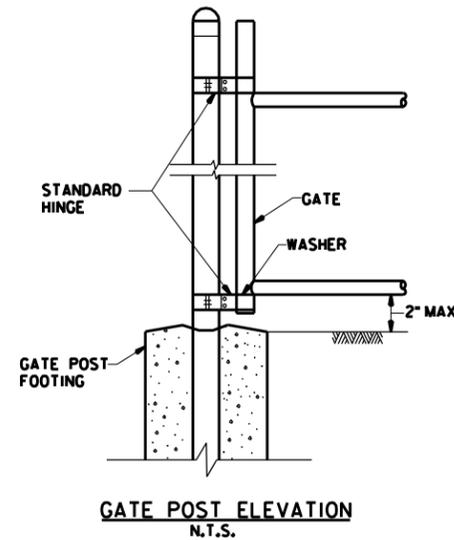


LOCATION	POST O.D.	SLEEVE
LINE POST	3.5" O.D.	4" DIA. X-STRONG (SCH80X3.83" I.D.)
CORNER/END POST	4.0" O.D.	HSS 5.0 X 0.375 (4.25" I.D.)

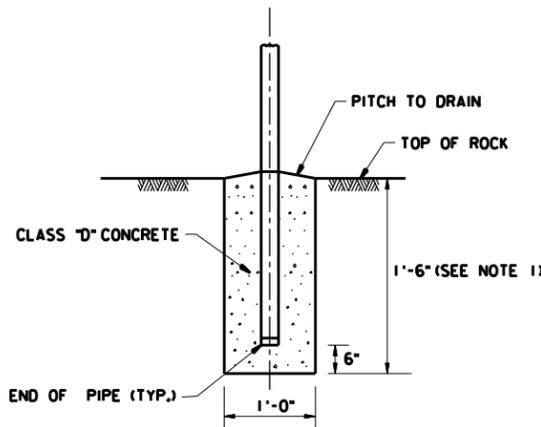
NOTES:

- NJDEP CHROMATE SITE #56 IS LOCATED IN THE IMMEDIATE VICINITY OF THE SOUTH ABUTMENT AS SHOWN ON SHEET TA-1. NJDEP CHROMATE SITE #131 IS LOCATED WITHIN PIER S2 ACCESS ROAD AS SHOWN ON SHEET TA-2. NO ALTERATION, IMPROVEMENT, OR DISTURBANCE WITHIN THE DESIGNATED CHROMATE SITE BOUNDARIES IS PERMITTED WITHOUT CONTACTING THE NJDEP IN ADVANCE. SEE ENVIRONMENTAL NOTES ON SHEET GN-3 AND SUPPLEMENTAL SPECIFICATION SECTION 535 FOR ADDITIONAL INFORMATION.
- GALVANIZE FIELD WELD AREA PER SPECIFICATION SECTION 403.16.

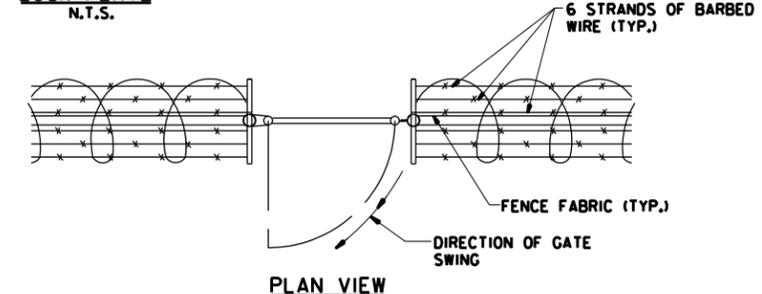
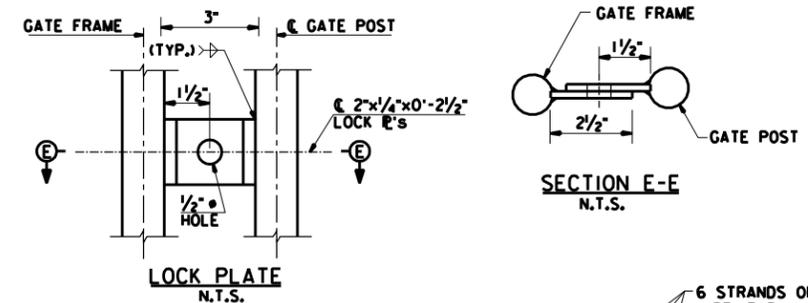
FENCE POST INSTALLATION AT NJDEP CHROMATE SITE #56 AND #131 WITH EXISTING ASPHALT CAP
N.T.S.



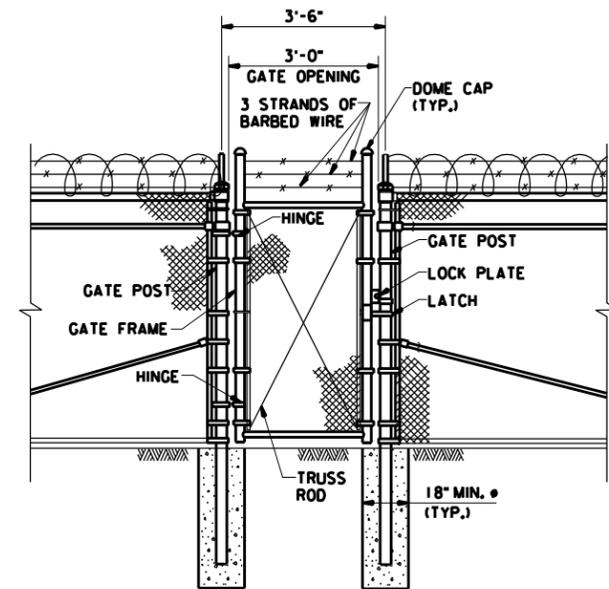
GATE POST ELEVATION
N.T.S.



FENCE POST IN ROCK
N.T.S.

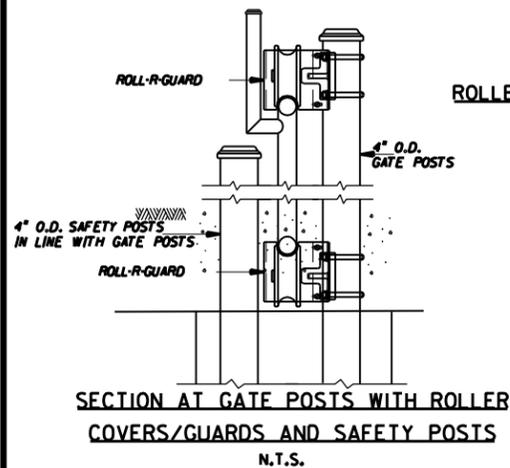


PLAN VIEW

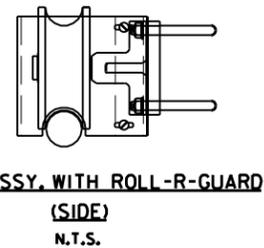


ELEVATION

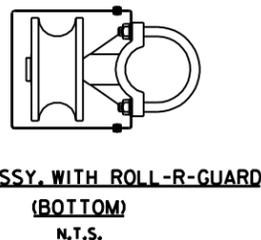
SECURITY PEDESTRIAN GATE, TYPE IV
N.T.S.



SECTION AT GATE POSTS WITH ROLLER COVERS/GUARDS AND SAFETY POSTS
N.T.S.



ROLLER ASSY. (GUARD NOT SHOWN)
N.T.S.



ROLLER ASSY. WITH ROLL-R-GUARD (BOTTOM)
N.T.S.

	BY	DATE
MADE	PGY	2/11
TRACED	JFK	2/11
CHECKED	TT	2/11
SUPERVISED	SAK	

REV.	DESCRIPTION	DATE	BY	CHK.
1	ADDENDUM NO. 3 - SECURITY FENCE ADDED	04/26/11		

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
 CONTRACT NO. T100.137
 BRIDGE DECK RECONSTRUCTION, MISCELLANEOUS STRUCTURAL AND ROADWAY IMPROVEMENTS, AND REPAINTING OF STRUCTURAL STEEL, STRUCTURE NO. E109.83

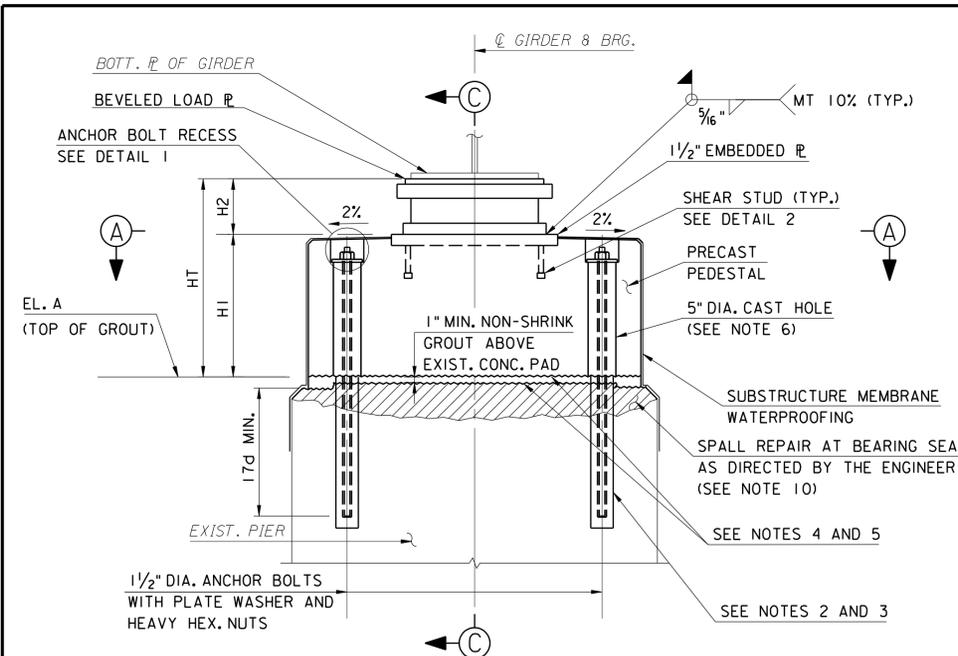
SECURITY FENCE DETAILS-3

DEWBERRY-GOODKIND, INC.
 200 BROADACRES DRIVE, BLOOMFIELD, NJ 07003
 CERTIFICATE OF AUTHORIZATION NO. 24GA28047800

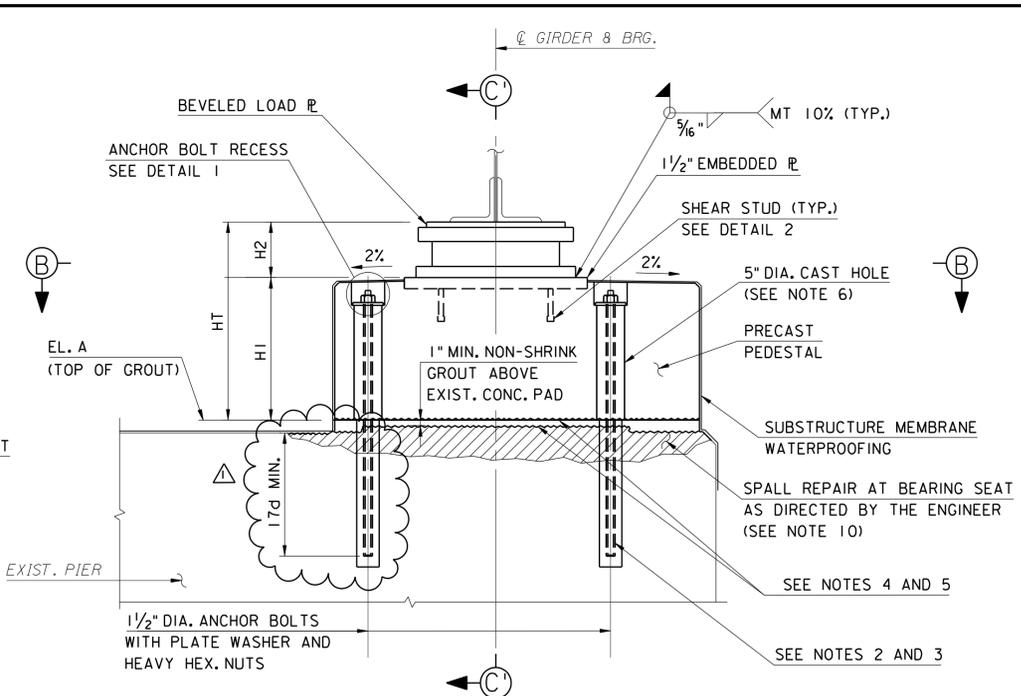
STAVROS A. KAMILARIS, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 249E03345000

SCALE: AS SHOWN
 DATE: FEB. 2011

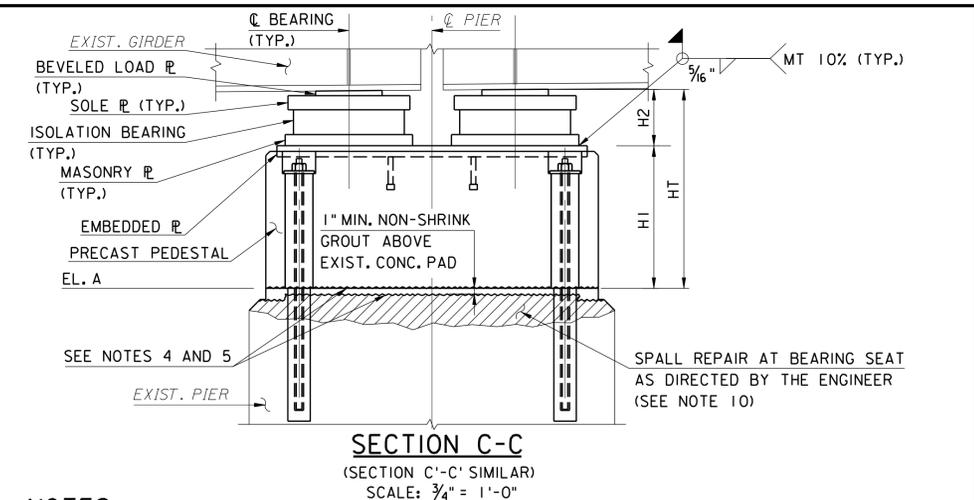
52
400



TYPICAL PIER TOP SECTION AT G1 AND G4
 TYPE 3 PEDESTAL ON PIER TOP SHOWN, TYPE 5 AND 6 PEDESTALS ON PIER AND ABUTMENT SIMILAR
 SCALE: 3/4" = 1'-0"

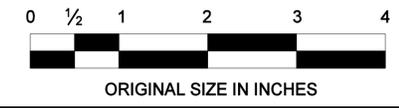


TYPICAL PIER TOP SECTION AT G2 AND G3
 TYPE 1 PEDESTAL ON PIER TOP SHOWN, TYPE 2 AND 4 PEDESTALS ON PIER SIMILAR
 SCALE: 3/4" = 1'-0"

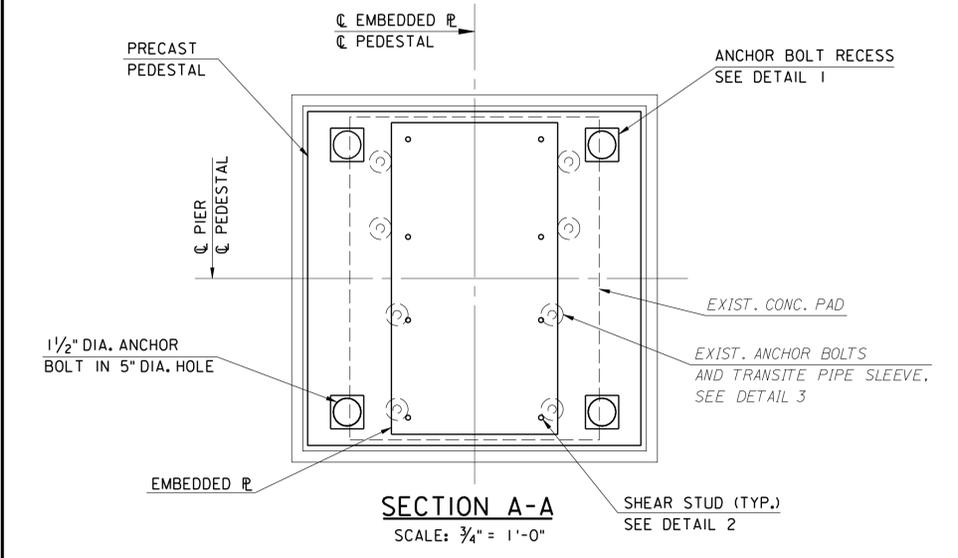


NOTES:

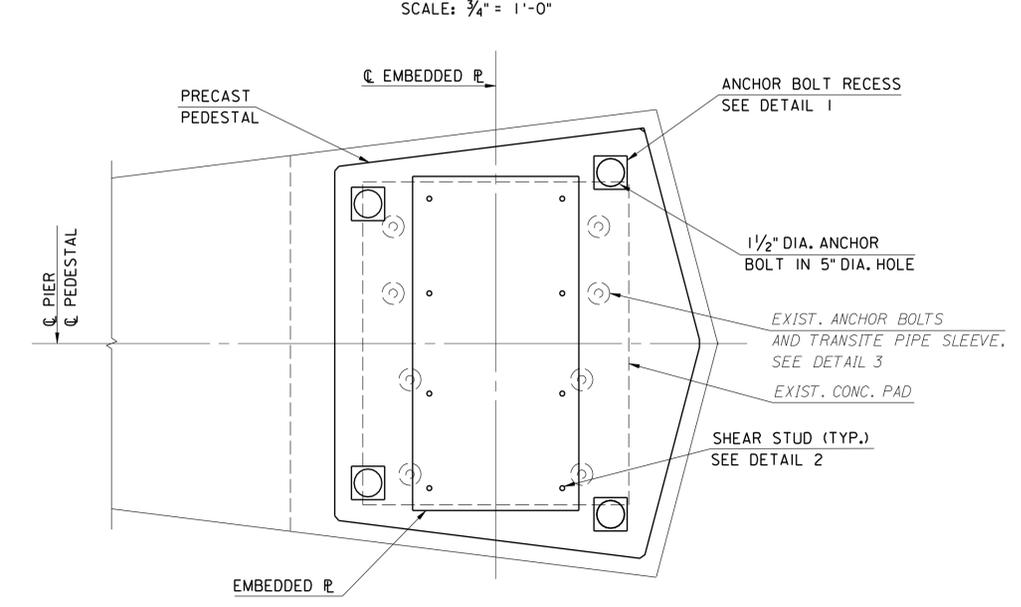
- ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 105 FULLY THREADED.
- ANCHOR BOLT HOLES IN PIERS AND ABUTMENTS SHALL BE MADE WITH A CORE DRILL OR ANY OTHER APPROVED ROTARY DRILLING DEVICE. CORE DRILLED HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER ANCHOR BOLTS ARE INSTALLED. ALLOW NON-SHRINK GROUT TO SET BEFORE HAND TIGHTENING NUTS.
- CONTRACTOR SHALL MINIMALLY ADJUST THE LOCATION OF THE CORE DRILLED HOLES NO CLOSER TO THE EDGE OF THE PRECAST PEDESTALS TO AVOID EXISTING REINFORCEMENT. THE LOCATION OF THE CAST HOLES SHOWN ON SHEETS S-68 AND S-69 SHALL ALSO BE ADJUSTED AS NECESSARY. MINIMUM CORE DIAMETER SHALL BE AS PER THE GROUT MANUFACTURER'S REQUIREMENTS FOR A 1 1/2" ANCHOR BOLT.
- PRIOR TO DELIVERY OF PEDESTALS TO THE SITE, UNDERSIDES OF PEDESTALS SHALL BE ROUGHENED TO 1/4" AMPLITUDE IN THE SHOP AFTER FABRICATION.
- EXISTING PIER TOPS AND ABUTMENT SEATS SHALL BE ROUGHENED TO 1/4" AMPLITUDE WITHIN THE LIMITS OF THE PEDESTALS.
- HOLES IN PRECAST PEDESTALS SHALL BE FILLED WITH NON-SHRINK GROUT AFTER PEDESTALS HAVE BEEN INSTALLED. ANCHOR BOLTS MUST BE HAND TIGHT BEFORE GROUT SETS.
- CONTRACTOR SHALL SUBMIT A GROUTING PLAN FOR THE PRECAST PEDESTAL INSTALLATION TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH SECTION 104.08 OF THE SPECIFICATIONS.
- FOR EL. A, DIMENSION HT, H1 AND H2, SEE SHEETS S-63 THRU S-65.
- SUBSTRUCTURE MEMBRANE WATERPROOFING SHALL BE APPLIED AT EACH ABUTMENT AND PIER TOP AS DETAILED ON SHEET S-14.
- SPALL REPAIRS UNDER PRECAST PEDESTALS SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER THE SPALL REPAIR ITEM. FOR SUBSTRUCTURE REPAIR DETAILS, SEE SHEETS S-12 THRU S-14. SPALL REPAIR SHALL BE DONE BEFORE THE ABUTMENT AND PIER TOP ROUGHENING.
- NON-SHRINK GROUT SHALL BE HI-FLOW GROUT BY EUCLID CHEMICAL COMPANY OR AN APPROVED EQUAL. IF GROUT THICKNESS IS MORE THAN 2 INCHES, AGGREGATES SHALL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL SET THE PEDESTALS USING SHIMS BEFORE APPLYING THE GROUT.
- SHOULD ANY PORTION OF THE TRANSITE PIPE BE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF SECTION 533 OF THE SPECIFICATIONS.
- FOR PEDESTAL REINFORCEMENT DETAIL, SEE SHEETS S-68 AND S-69.
- FOR BEARING AND CONNECTION TO GIRDER DETAILS, SEE SHEET S-66.
- HOLE IN PLATE WASHER SHALL BE FIELD DRILLED AT 1 5/8" DIA.
- CONTACT SURFACES OF EMBEDDED PLATES SHALL BE MACHINED TO FINISH ANSI 125.



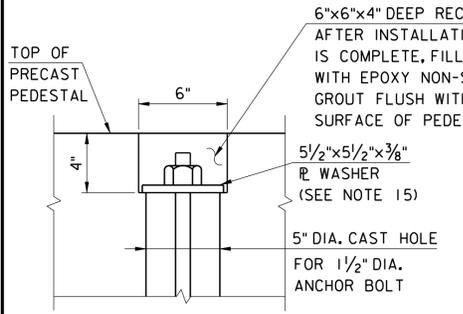
S-67
S-170



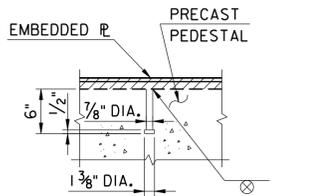
SECTION A-A
 SCALE: 3/4" = 1'-0"



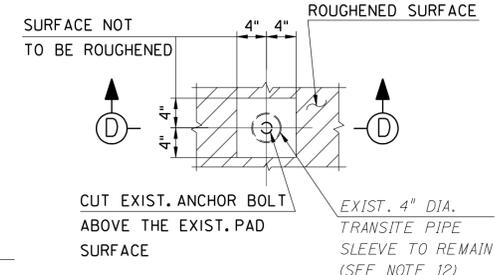
SECTION B-B
 SCALE: 3/4" = 1'-0"



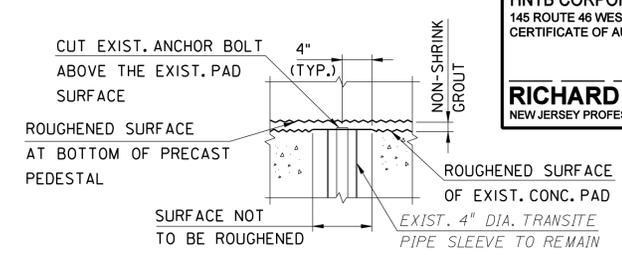
DETAIL I
 N.T.S.



DETAIL 2
 N.T.S.



DETAIL 3
 N.T.S.



SECTION D-D
 N.T.S.

HNTB CORPORATION
 145 ROUTE 46 WEST, WAYNE, NEW JERSEY 07470
 CERTIFICATE OF AUTHORIZATION NO. 24GA28000700

RICHARD J. SCHAEFER, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE04520000

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
 BRIDGE DECK RECONSTRUCTION, MISCELLANEOUS STRUCTURAL AND ROADWAY IMPROVEMENTS, AND REPAINTING OF STRUCTURAL STEEL, STRUCTURE NO. E109.83
CONTRACT NO. T100.137

SEISMIC RETROFIT DETAILS - 7
PRECAST PEDESTAL TYPICAL DETAILS

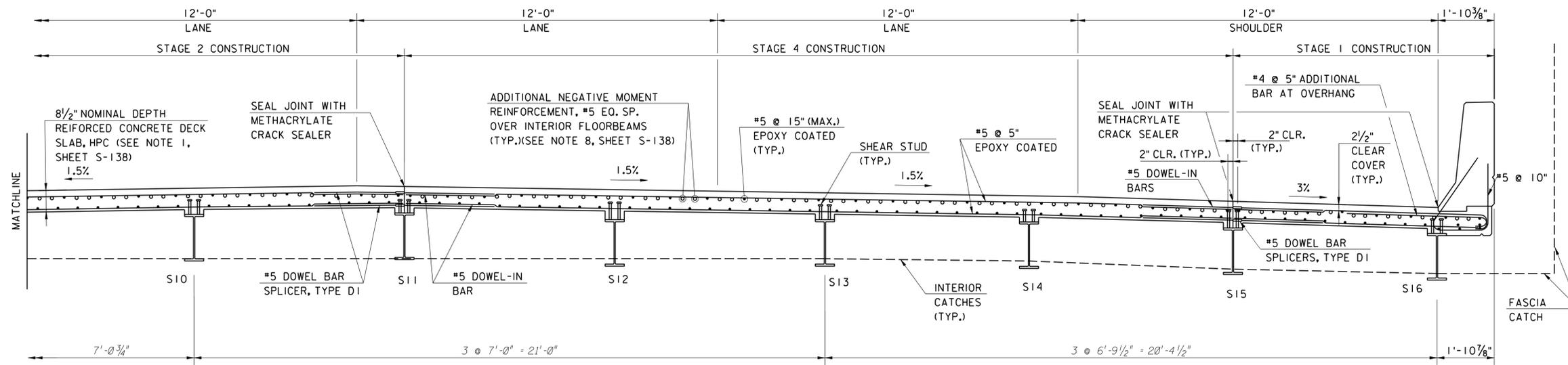
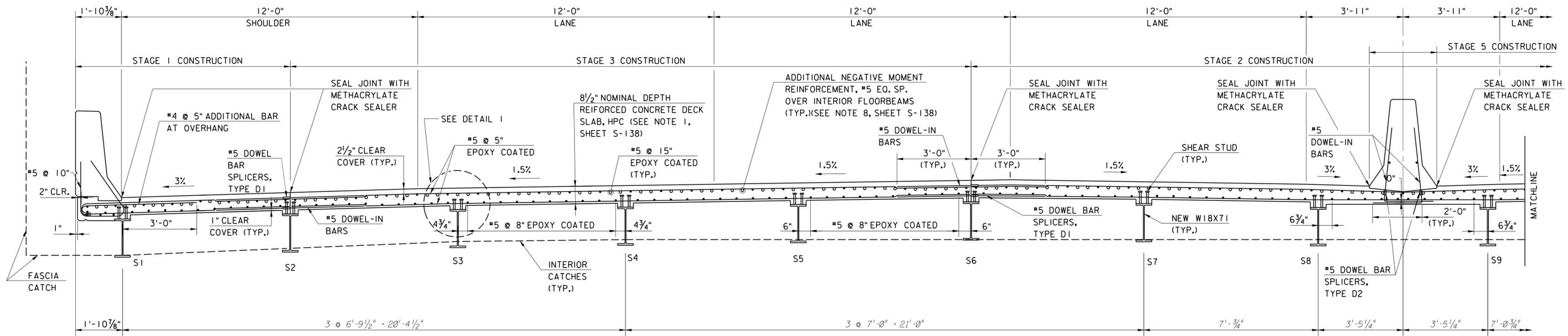
DEWBERRY-GOODKIND, INC.
 200 BROADACRES DRIVE, BLOOMFIELD, NJ 07003
 CERTIFICATE OF AUTHORIZATION NO. 24GA28047800

STAVROS A. KAMILARIS, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03345000
 SCALE: AS SHOWN
 DATE: FEB. 2011

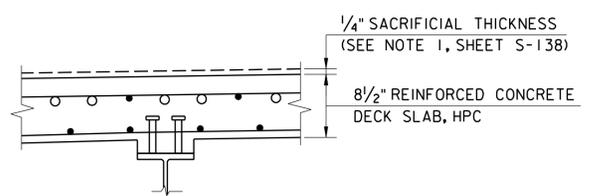
BY		DATE
MADE	BB	02-11
TRACED	EG	02-11
CHECKED	AW	02-11
SUPERVISED	RS	

REV.	DESCRIPTION	DATE	BY	CHK.
△	ADDENDUM NO. 3 - ANCHOR BOLT DIMENSION	04/28/11		

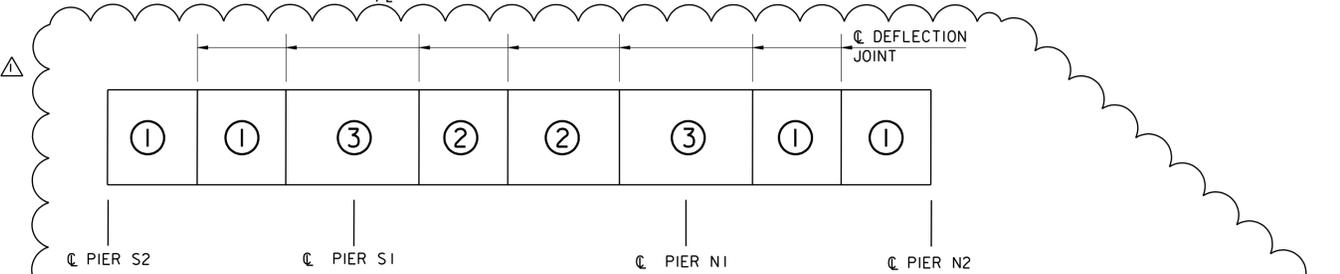
207
400



DECK SECTION (RIVER SPANS)
 (FLOORBEAM AND GIRDERS NOT SHOWN FOR CLARITY)
 SCALE: 1/2" = 1'-0"



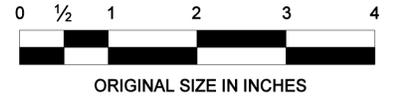
DETAIL I
N.T.S.



DECK POURING SEQUENCE FOR RIVER SPANS
N.T.S.

- NOTES:**
- FOR NOTES SEE BRIDGE DECK SECTION 1.
 - FOR NEW STRINGER DETAILS, SEE SHEETS S-85 TO S-91.

- NOTES:**
- RIVER SPAN DECK SLABS SHALL BE PLACED IN THE SEQUENCE SHOWN.
 - AREAS ① AND ② ARE POSITIVE MOMENT REGIONS AND AREA ③ IS NEGATIVE MOMENT REGION.
 - FOR ADDITIONAL INFORMATION SEE SUBSECTION 428.04 OF THE SUPPLEMENTARY SPECIFICATIONS.



	BY	DATE
MADE	BL	2/11
TRACED	GM	2/11
CHECKED	DMN	2/11
SUPERVISED	SAK	

REV.	DESCRIPTION	DATE	BY	CHK.
1	ADDENDUM NO. 3 - DECK POUR SEQUENCE	04/28/11		

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
 CONTRACT NO. T100.137
 BRIDGE DECK RECONSTRUCTION, MISCELLANEOUS STRUCTURAL AND ROADWAY IMPROVEMENTS, AND REPAINTING OF STRUCTURAL STEEL, STRUCTURE NO. E109.83

BRIDGE DECK SECTION -2- (RIVER SPANS)

DEWBERRY-GOODKIND, INC.
 200 BROADACRES DRIVE, BLOOMFIELD, NJ 07003
 CERTIFICATE OF AUTHORIZATION NO. 24GA28047600

SCALE: AS NOTED
DATE: FEB. 2011

STAVROS A. KAMILARIS, P.E.
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE0345000

S-139
S-170

279
400