

NEW JERSEY TURNPIKE AUTHORITY

SAMPLE PLANS

INDEX OF SAMPLE PLANS

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65	GENERAL PROPERTY PARCEL MAP	0	*
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69	PARCEL INDEX AND OWNERSHIP DATA SHEET	0	*

* TO BE PROVIDED LATER

NEW JERSEY TURNPIKE AUTHORITY

XXXXX
VICE CHAIRMAN

XXXXX
TREASURER

XXXXX
COMMISSIONER

XXXXX
COMMISSIONER

XXXXX
COMMISSIONER

ROADWAY NAME
CONTRACT NO. XXXXXX

NJTA STANDARD DRAWINGS

SHEET NO.	DWG. NO.	DESCRIPTION
401	BR-2A	BRIDGE DRAINAGE DETAILS - 1
402	BR-7	BARRIER PARAPET DETAILS
403	BR-13	STRIP SEALS - I
404	BR-14	STRIP SEALS - II
405	CU-1	CONCRETE CURB AND NOSE DETAILS
406	DR-1	DROP INLET DETAILS
407	DR-2	CAST FRAME AND GRATING DETAILS
408	PM-1	PAVEMENT MARKING DETAILS
409	TP-1	TRAFFIC PROTECTION SIGN DETAILS - 1
410	TP-7	TRAFFIC PROTECTION SIGN DETAILS - II
411	TP-8	TRAFFIC PROTECTION LANE CLOSING DETAILS
412	TP-13	PRECAST CONCRETE CONSTRUCTION BARRIER TYPE 4 - ALT. A
413	TP-14	PRECAST CONCRETE CONSTRUCTION BARRIER TYPE 4 - ALT. B
414	TP-15	TWO LANE CLOSING (ONE LANE OPEN TO TRAFFIC)
415	TP-16	TWO LANE CLOSING (TWO LANES OPEN TO TRAFFIC)

REFERENCE DRAWINGS

SHEET NO.	REF. NO.	REF. CONT. NO.	DESCRIPTION
416-419	W-742	12-15	SEQUENCE OF CONST. SECT. 4A
420-427	23	57-64	EXIST. RTE. 18 STR. NO. 136
428-432	W-742	176-182	BORING LOGS
433-434	-	-	BORING LOGS

UTILITY COMPANIES

CABLE COMMUNICATIONS COMPANY NAME
ELECTRIC COMPANY NAME
GAS COMPANY NAME
SANITARY SEWERAGE COMPANY NAME
TELECOMMUNICATIONS COMPANY NAME
WATER COMPANY NAME

ORIGINAL SHEET

SAMPLE PLAN REVISION

DATE	5-08
NO.	0

MADE	BY	DATE
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	XXX	XX-XX-XX
	No.	DATE
	X.XXXX	
		REVISION

INDEX OF DRAWINGS

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401-415	NJTA STANDARD DRAWINGS
416-434	REFERENCE DRAWINGS

PART 1 OF 3

THE 2004 STANDARD SPECIFICATIONS OF THE NEW JERSEY
TURNPIKE AUTHORITY, AS AMENDED BY THE SUPPLEMENTARY
SPECIFICATIONS, TO GOVERN

RECOMMENDED
ENGINEER NAME
CONSULTANT NAME
DATE
NEW JERSEY
PROFESSIONAL ENGINEER
LICENSE No. XXXXX

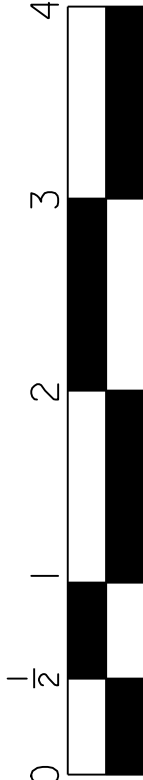
RECOMMENDED
ENGINEER NAME
GENERAL CONSULTANT NAME
DATE
GENERAL CONSULTANT

APPROVED
CHIEF ENGINEER NAME
CHIEF ENGINEER
NEW JERSEY TURNPIKE AUTHORITY
DATE

SHEET NO. 1 OF 434

LOCATION PLAN

SCALE: 1" = 1000'



ORIGINAL SIZE IN INCHES

CONSULTANT NAME
ADDRESS

LEGEND

(CONCEPTUAL ONLY - NOT TO PLAN SCALE)

ITEM

ROADWAY

PROPERTY LINE

FENCE

RIGHT OF WAY

DENIAL OF ACCESS LINE

EASEMENT LINE

GUIDE RAIL

EDGE OF ROADWAY PAVEMENT

EDGE OF SHOULDER PAVEMENT

GROUND CONTOUR

BORING LOCATION

CURB

DEPRESSED CURB

SIGN

CONCRETE MONUMENT

IMPACT ATTENUATOR

CONCRETE BARRIER

DIRECTION OF TRAFFIC

BASELINE CURVE DATA REFERENCE

DRAINAGE

STORM DRAIN

SANITARY SEWER

UNDERDRAIN

HEADWALL

DROP INLET OR CATCH BASIN

RESET INLET OR CATCH BASIN

MANHOLE

RESET MANHOLE

LIP CURB INLET

FLARED END SECTION

PAVED DITCH OR CHANNEL

UNPAVED DITCH OR CHANNEL

STREAM

BLEEDER DRAIN

UTILITIES (SEE SHEET --- FOR LIGHTING CONDUITS)

TELEPHONE OR COMMUNICATIONS LINE OVERHEAD

TELEPHONE OR COMMUNICATIONS LINE UNDERGROUND

POWER LINE OVERHEAD

POWER LINE UNDERGROUND

WATER MAIN

WATER MAIN VALVE

WATER HYDRANT

MANHOLE

GAS PIPELINE

PETROLEUM PIPELINE

NJ TURNPIKE AUTHORITYCOMMUNICATIONS CABLE

FIBER OPTIC CABLE OVERHEAD

FIBER OPTIC CABLE UNDERGROUND

UTILITY POLE

RAILROAD COMMUNICATION OR SIGNAL LINE OVERHEAD

RAILROAD COMMUNICATION OR SIGNAL LINE UNDERGROUND

UTILITY CO. MANHOLE, ELECTRIC (TYPE AND SIZE AS NOTED)

UTILITY CO. MANHOLE, TELEPHONE (TYPE AND SIZE AS NOTED)

GENERAL

ABANDON

REMOVE

DEMOLITION

DATE	BY	DATE
5-08	XXX	XX-XX-XX
	TRACED	XXX
	CHECKED	XXX
	SUPERVISED	X.XXXX

EXISTING

55' F

Existing R.O.W. Line No Access

or

5

or

5

Sign

Overhead Sign

Barrier Height

Baseline Curve Number

15" RCP

S

U

or

Paved

REMOVE

PROPOSED

GATE

N96A

PROPOSED R.O.W. LINE NO ACCESS

or

5

GROUND or SIGN

O.H. SIGN or BUTTERFLY SIGN

BASELINE CURVE NUMBER

15" RCP

N12' S

N12' S

N12' S

NU

RECONSTRUCT

PAVED

BD

MISCELLANEOUS ITEMS

WETLAND

CONCRETE NOSE

MILLING & RESURFACING

COUNTY OR MUNICIPAL LINE

RAILROAD

EXISTING MARSH

EXISTING TREES AND TREE LINE

EXISTING BUSH AND HEDGE

EXISTING SHEETING

CENTERLINE OR BASELINE

TOP OF CUT SLOPE

TOE OF FILL SLOPE

SAWCUT

SILT FENCE

WETLAND DELINEATION

TEMPORARY INLET PROTECTION

TEST PIT

NORTH ARROW

Deciduous

Conifer

or

C

F

XXXXXXXXXXXXXXXXXXXX

HAYBALES

INLET FILTER

N. J. Plane Coordinate System

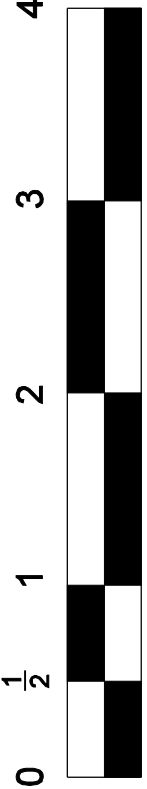
NAD83

GENERAL NOTES

1. THE HORIZONTAL CONTROL COORDINATES ARE BASED IN THE NEW JERSEY PLANE COORDINATE SYSTEM; 1983 NORTH AMERICAN DATUM (NAD). A SCALE FACTOR OF XXX SHOULD BE APPLIED TO CONVERT FROM 1983 NAD TO GROUND COORDINATES.
2. THE VERTICAL CONTROL ELEVATIONS REFER TO THE 1988 NORTH AMERICAN VERTICAL DATUM, (NAVD).
3. SUBSURFACE INFORMATION SHOWN ON THESE PLANS WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED.
4. THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERE TO.
5. IN ORDER TO PROVIDE A SUFFICIENT LEVEL OF LEGIBILITY ON THE PLAN SHEETS, NOT ALL SUBSURFACE FEATURES (EXISTING AND / OR PROPOSED) ARE SHOWN ON EVERY PLAN SHEET. THE CONTRACTOR IS DIRECTED TO REVIEW EACH SECTION OF THE PLAN SHEETS (HIGHWAY, DRAINAGE, UTILITY, HIGHWAY LIGHTING, ETC.) IN ORDER TO ACCOUNT FOR ALL SUBSURFACE FEATURES AND TO ENSURE PROPER COORDINATION OF THE WORK ITEMS OF THIS CONTRACT.
6. THE SUFFIX LETTER DESIGNATIONS USED IN THE SYMBOL FOR FENCE ARE AS FOLLOWS:
F-FARM FENCE, A-ALUMINUM COATED CHAIN LINK, B-BARBED WIRE, P-PVC COATED CHAIN LINK, AND T-TEMPORARY. THE NUMERICAL VALUE USED INDICATES HEIGHT OF FABRIC IN INCHES.

ABBREVIATIONS

- SNO - NORTHBOUND OUTER ROADWAY
- SNI - NORTHBOUND INNER ROADWAY
- ST - FROM SOUTH TO TOLL
- TNO - TOLL TO NORTHBOUND OUTER RDWY
- TNI - TOLL TO NORTHBOUND INNER RDWY
- TS - TOLL TO SOUTH
- TE - TOLL TO EAST
- ET - FROM EAST TO TOLL
- TW - TOLL TO WEST
- WT - FROM WEST TO TOLL
- EB - EAST BOUND
- WB - WEST BOUND
- L.O.P. - LIMIT OF PAVEMENT



GL-1

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

GENERAL LEGEND -1-

NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: NONE
DATE: MAY 2008

JOHN DOE
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

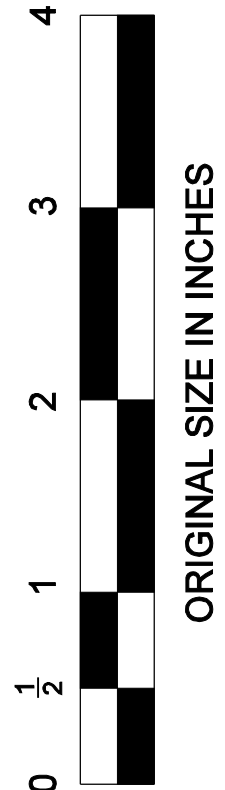
FILE NAME: XXXXX

ESTIMATE OF QUANTITIES

ITEM NO.	UNIT CODE	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	PLAN SHEET TOTAL	IF AND WHERE DIRECTED	AS BUILT QUANTITY
1	1D01LAY	CONSTRUCTION LAYOUT	LS	1			
2	1D10MOB	MOBILIZATION	LS	1			
3	2A02CAC	CLEARING AND GRUBBING	LS	1			
4	2B02REX	ROADWAY EXCAVATION, EARTH	CY	4,500	4,500		
5	2B15STS	STRIPPING TOPSOIL	CY	8,310	8,310		
6	N2B0001	REMOVAL OF EXISTING BARRIER	LF	1,000	1,000		
7	2C02EMB	EMBANKMENT, GRADE A	CY	10,840	10,840		
8	2C02SEC	STONE, GRADE B	TON	27	27		
9	2G12A07	RIPRAP STONE APRONS, 6" THICK (D50=3")	TON	26	26		
10	2G12A06	RIPRAP STONE APRONS, 12" THICK (D50=6")	TON	23	23		
11	-	SAND LAYER, 6" THICK	SY	1,100	1,100		
12	2H30TEC	SILT FENCE	LF	1,520	1,410	90	
13	2H40TEC	INLET FILTERS	EA	10	10		
14	2L02SSC	SAWCUTTING	LF	85	85		
15	3A07ABC	AGGREGATE BASE COURSE, 6.5" THICK	SY	16,330	16,330		
16	3B25SUP	SUPERPAVE HOT MIX ASPHALT 12.SHT6 SURFACE COURSE	TON	1,940	1,830	110	
17	-	SUPERPAVE HOT MIX ASPHALT 19HT6 INTERMEDIATE COURSE	TON	2,460	2,347	113	
18	3B22SUP	SUPERPAVE HOT MIX ASPHALT 37.5H64 BASE COURSE	TON	3,890	3,683	207	
19	3B55APA	ASPHALT PRICE ADJUSTMENT (NO BID)	LS	1			
20	3B26TAC	TACK COAT	GAL	1,630	1,630		
21	3C01IBRS	BERM SURFACING, 3" THICK	SY	670	670		
22	5B15RC3	15" REINFORCED CONCRETE PIPE	LF	195	195		
23	5B15RCE	15" REINFORCED CONCRETE PIPE FLARED END SECTIONS	LF	565	565		
24	5B18RC3	18" REINFORCED CONCRETE PIPE	EA	1	1		
25	5B18RCE	18" REINFORCED CONCRETE PIPE FLARED END SECTIONS	EA	2	2		
26	5C01ND1	INLET, TYPE D1	EA	4	4		
27	5C01ND2	INLET, TYPE D2	EA	6	6		
28	5C40RSF	RESET FRAMES	EA	5	5		
29	5C55CDS	CLEANING EXISTING DRAINAGE STRUCTURES	EA	1	1		
30	5E01ALC	ASPHALT LIP CURB	LF	950	950		
31	5F01VCA	CONCRETE CURB, TYPE A	LF	120	120		
32	5I01SNP	SIGN PANELS	SF	30	30		
33	5I05SPP	U-CHANNEL POST	LF	140	140		
34	5J01GRA	GUIDE RAIL, TYPE A	LF	2,625	2,625		
35	5J01AGR	GUIDERAIL ANCHORAGE	EA	4	4		
36	5J05ETT	SLOTTED RAIL TERMINAL	EA	4	4		
37	5P06PTW	PAVEMENT STRIPING, WHITE, 6" WIDE (IF & WHERE DIRECTED)	LF	9,840		9,840	
38	5P08PTW	PAVEMENT STRIPING, WHITE, 8" WIDE (IF & WHERE DIRECTED)	LF	1,430		1,430	
39	-	PAVEMENT STRIPING, WHITE, 24" WIDE (IF & WHERE DIRECTED)	LF	12		12	
40	5P06PTY	PAVEMENT STRIPING, YELLOW, 6" WIDE (IF & WHERE DIRECTED)	LF	190		190	
41	5P06REM	STRIPING AND MARKING REMOVAL	LS	1			
42	5P30LLM	TRAFFIC MARKINGS, LINES, WHITE, LONG-LIFE, EPOXY RESIN	LF	8,520	8,520		
43	5P30LLM	TRAFFIC MARKINGS, LINES, YELLOW, LONG-LIFE, EPOXY RESIN	LF	130	130		
44	5P32LLM	TRAFFIC MARKINGS, SYMBOLS, WHITE, LONG-LIFE, EPOXY RESIN	SF	580	580		
45	5P32LLM	TRAFFIC MARKINGS, SYMBOLS, BLUE, LONG-LIFE, EPOXY RESIN	SF	50	50		
46	6A02RWS	2" RIGID METALLIC CONDUIT, ON STRUCTURE	LF	350	350		
47	6A03RMU	3" RIGID METALLIC CONDUIT, UNDERGROUND	LF	50	50		
48	6A03RNC	3" RIGID NON-METALLIC CONDUIT, PVC (SCHEDULE 40)	LF	2,000	2,000		
49	6A13RNC	3" RIGID NON-METALLIC CONDUIT, PVC (SCHEDULE 80)	LF	300	300		

		BY	DATE
MADE		XXX	XX-XX-XX
TRACED		XXX	XX-XX-XX
CHECKED		XXX	XX-XX-XX
SUPERVISED		X.XXXX	

ESTIMATE OF QUANTITIES


[illegible]

NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

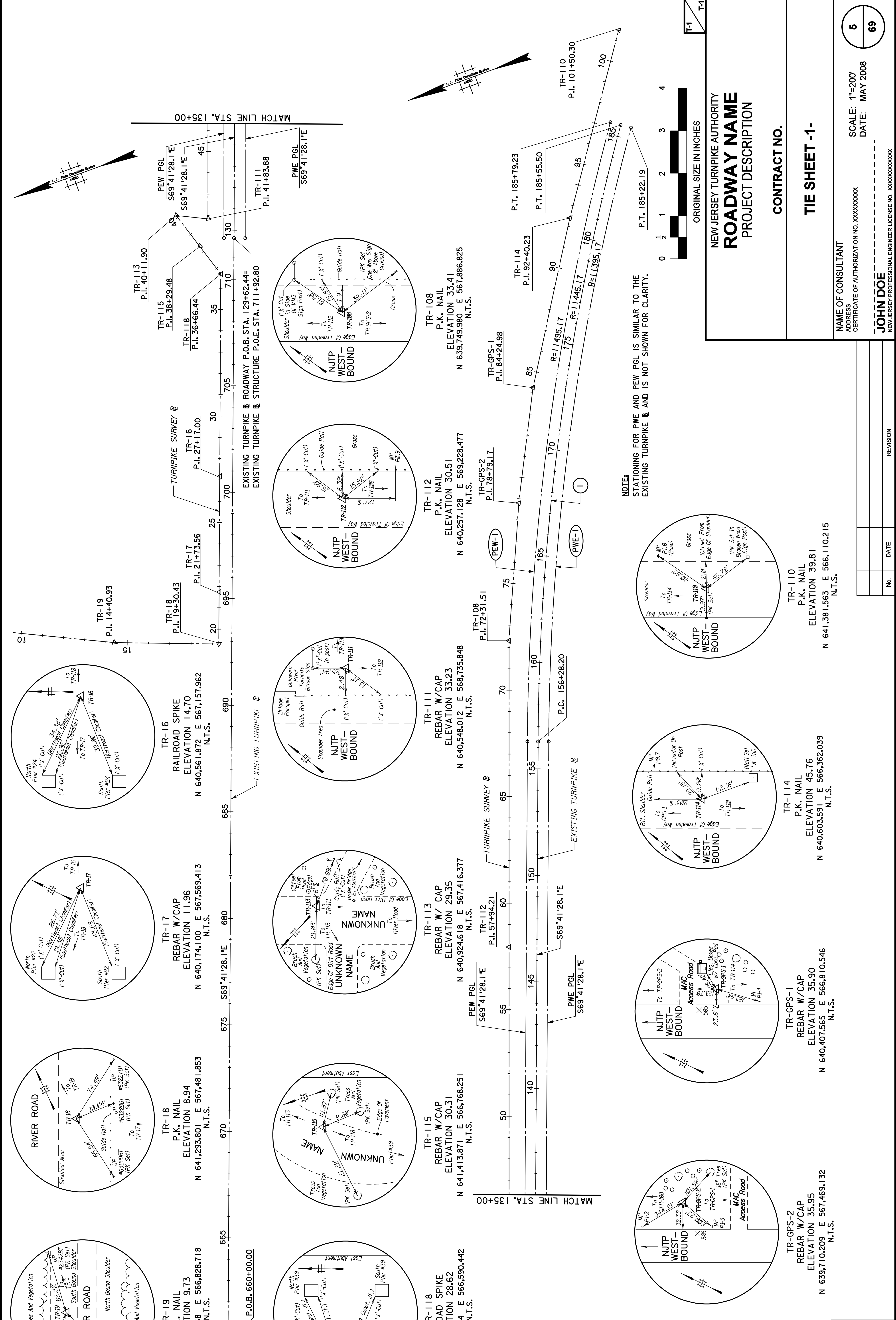
ESTIMATE OF QUANTITIES -1-

No.	DATE	REVISION



No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

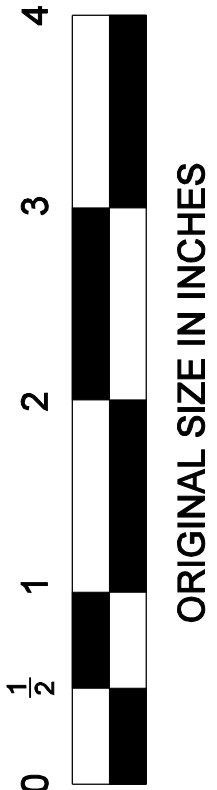
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	ORIGINAL SHEET	DATE	BY	DATE
		5-08	XXX	XX-XX-XX
			XXX	XX-XX-XX
			XXX	XX-XX-XX
			X.XXXXX	

ALIGNMENT DATA				
CONSTRUCTION # POINT	SURVEY BASELINE		COORDINATES	
	STATION	OFFSET	NORTH	EAST
TURNPIKE BASELINE				
P.O.B. 660+00.00	-	-	719,749.451	612,662.320
STA. EQ. 129+62.44/711+92.80	37+62.83	151.303	720,017.408	612,959.303
P.C. 156+28.20	67+58.53	136.471	721,487.003	614,879.484
P.T. 185+55.50	97+22.11	121.221	721,614.196	615,093.853
PEW PGL				
P.O.B. 129+62.44	37+91.26	113.897	719,967.408	612,959.303
P.C. 156+28.20	67+58.80	86.361	721,537.003	614,885.492
P.T. 185+79.23	97+22.66	71.375	721,564.180	615,080.841
PWE PGL				
P.O.B. 129+62.44	37+30.78	193.395	720,067.408	612,959.303
P.C. 156+28.20	67+58.33	185.581	721,437.003	614,874.338
P.T. 185+22.19	97+23.02	171.229	721,664.086	615,275.827

SURVEY BASELINE DATA					
POINT	BEARING	STATION	COORDINATES		ELEVATION
			NORTH	EAST	
TR-19	S25°-39'-09.6"W	14+40.93	641652.068	566828.718	9.73
TR-18	S20°-44'-14.6"W	19+30.43	641293.801	567481.853	8.94
TR-17	S66°-30'-12.4"E	21+73.56	640174.100	567569.413	11.96
TR-16	S68°-45'-46.4"E	27+17.00	640561.872	567157.962	14.70
TR-118	S69°-16'-14.4"E	36+66.44	640947.024	566590.442	28.67
TR-115	N70°-50'-37.7"E	38+29.48	641413.871	566768.251	30.31
TR-113	N72°-39'-13.5"E	40+11.90	640924.618	567416.377	29.35
TR-111	S23°-45'-25.6"W	41+83.88	640548.012	568735.848	33.23
TR-112	S69°-54'-24.2"E	57+94.21	640257.128	569228.477	30.51
TR-108	S70°-11'-17.4"E	72+31.51	639749.980	567886.825	33.41
TR-GPS-2	S70°-04'-32.4"E	78+79.17	639710.209	567469.132	35.95
TR-GPS-1	S69°-23'-26.4"E	84+24.98	640407.565	566810.546	35.90
TR-114	S69°-22'-06.4"E	92+40.23	640603.591	566352.039	45.76
TR-110	S61°-53'-26.4"E	101+50.30	641381.563	566110.215	39.81

CURVE DATA									
PLAN NO.	CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT	COORDINATES OF PI		COORDINATES OF CENTER	
						NORTH	EAST	NORTH	EAST
2-4	I	09°15'39.68"	11,445.17'	2,852.22'	1,433.52'	720,829.967	613,859.879	708,898.370	622,991.630
2-4	PEW-I	09°15'39.68"	11,495.17'	2,876.07'	1,445.67'	721,554.559	614,984.319	708,898.370	622,991.630
2-4	PWE-I	09°15'39.68"	11,395.17'	2,819.37'	1,421.38'	721,662.022	615,181.696	708,898.370	622,991.630



ADS-1

ADS-1

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

ALIGNMENT DATA SHEET -1-

NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: NONE
DATE: MAY 2008

JOHN DOE
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

GENERAL NOTES:

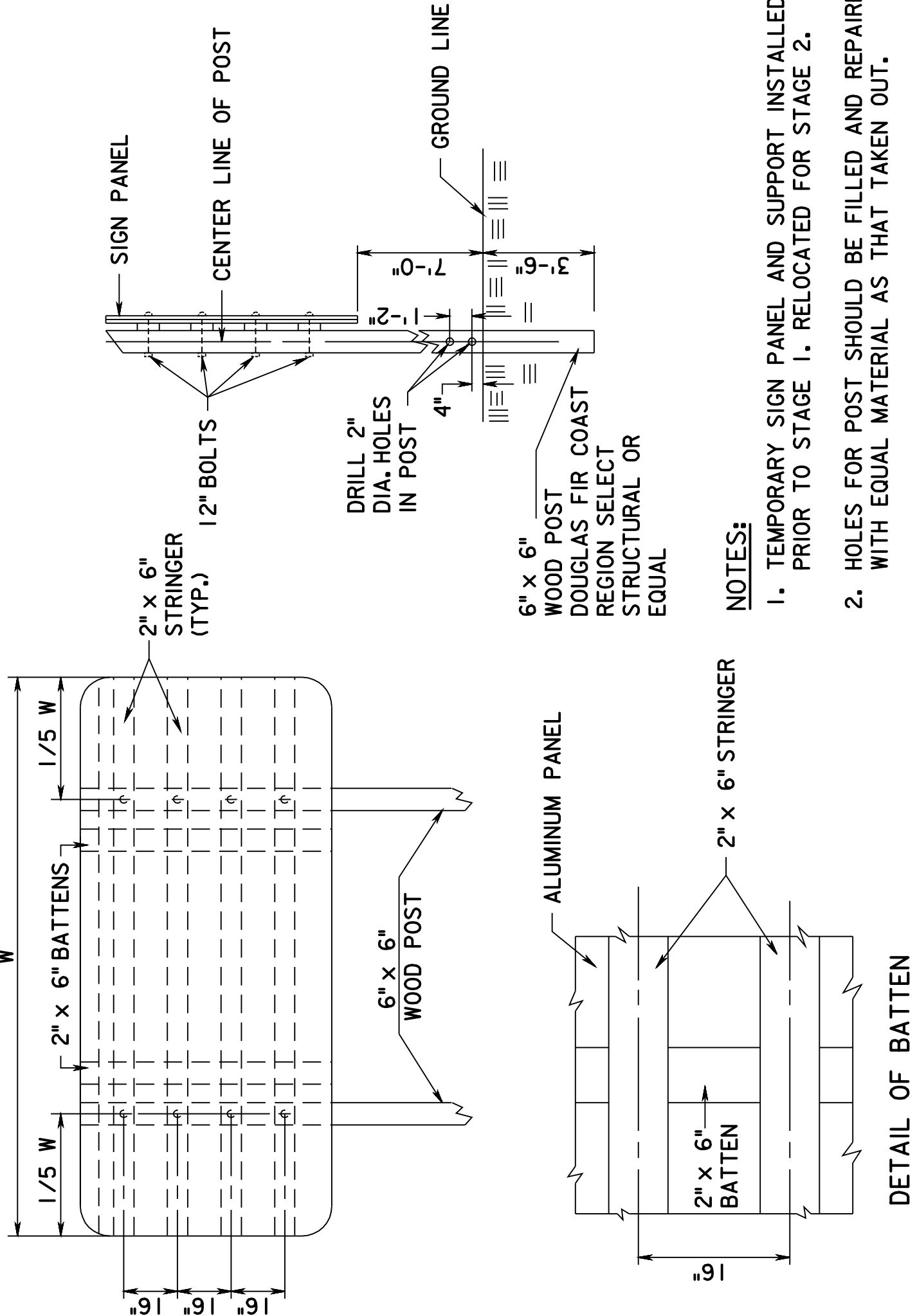
1. ALL LANE CLOSURES OR SLOW DOWNS SHALL BE APPROVED (SELECT ONE) BY NEW JERSEY TURNPIKE DIVISION (NUTP) OPERATIONS / IN ACCORDANCE WITH GARDEN STATE PARKWAY DIVISION (GSP) MANUAL FOR TRAFFIC CONTROL IN WORK AREAS AS NOTED IN SPECIFICATIONS AND BY GSP OPERATIONS.
2. THE CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS AND CONSTRUCTION SCHEDULE ACCOUNTING FOR THE PERMISSIBLE LANE CLOSURES STIPULATED IN GSP MANUAL FOR TRAFFIC CONTROL IN WORK AREAS AND APPLICABLE REVISED SHEETS INCLUDED IN THE SUPPLEMENTAL SPECIFICATIONS FOR THE VARIOUS TASKS THAT REQUIRE LANE CLOSURES. NO SEPARATE PAYMENT WILL BE MADE FOR THE OPERATION PLANS(S) OR CONSTRUCTION SCHEDULE. COST TO BE INCLUDED IN PRICE BID FOR PAY ITEM "MOBILIZATION". (THIS NOTE IS FOR GSP ONLY.)
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY LOCAL AUTHORITIES OF ALL LANE CLOSING ACTIVITIES AFFECTING LOCAL ROADWAYS. THE CONTRACTOR SHALL COORDINATE ALL MAINLINE LANE CLOSURES WITH THE STATE POLICE AND (SELECT ONE) NUTP / GSP OPERATIONS.
4. TEMPORARY IMPACT ATTENUATOR SYSTEMS SHALL BE INSTALLED TO PROTECT THE APPROACH SIDES OF OBSTRUCTION IN THE ABSENCE OF GUIDE RAIL OR OTHER PERMANENT PROTECTION DURING CONSTRUCTION.
5. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE GSP MANUAL FOR TRAFFIC CONTROL IN WORK AREAS, UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE APPROVED BY THE ENGINEER. (GSP ONLY)
6. ADVANCE WARNING SIGNS, DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED AT THE DIRECTION OF THE ENGINEER AND SHALL BE APPROVED BY (SELECT ONE) NUTP / GSP OPERATIONS, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
7. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED TO ADJUST FOR VISIBILITY DUE TO HORIZONTAL OR VERTICAL CURVATURE OF THE ROADWAY OR TO POSITION AT A SAFER LOCATION. ILLUMINATED FLASHING ARROW BOARDS ARE TO BE USED FOR TEMPORARY LANE CLOSINGS AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS.
8. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
9. ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.
10. CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE ENGINEER.
11. MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRUCK WITH MOUNTED CRASH CUSHION AND ILLUMINATED FLASHING ARROW THAT SHALL MOVE WITH THE WORK AREAS TO KEEP A 75 FOOT MINIMUM AND 175 FOOT MAXIMUM BUFFER IN ADVANCE OF EACH WORK AREA.
12. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.
13. ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACK FILLED AND PLACED ON A MINIMUM 6H : 1V SLOPE PRIOR TO THE END OF EACH WORK DAY. OTHER EXCAVATED AREAS WITHIN THE CLEAR ZONE ARE TO BE EITHER BACK FILLED OR SHIELDED BY PRECAST CONCRETE CURB CONSTRUCTION BARRIER SET TEMPORARILY IN PLACE TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC.
14. BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H : 1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE CONSTRUCTION AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
15. TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, DRUMS, ETC., SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT REMAIN IN PLACE WHEN ACTIVE LANE CLOSURES HAVE BEEN REMOVED. THE ERECTION/REMOVAL OF LANE CLOSURE SIGNAGE MUST TAKE PLACE IMMEDIATELY PRIOR TO (UPON INSTALLATION) AND IMMEDIATELY FOLLOWING (UPON REMOVAL) THE RESPECTIVE TASK.
16. HIGH INTENSITY FLASHING WARNING LIGHTS SHALL BE MOUNTED ON TEMPORARY CONCRETE BARRIER EVENLY SPACED (EVERY +/-40 FT.), OR A MINIMUM OF THREE LIGHTS ALONG THE TAPERED END FACING ON-COMING TRAFFIC.
17. ALL TEMPORARY CONCRETE CONSTRUCTION BARRIER SHALL HAVE BARRIER REFLECTORS AS SPECIFIED, SPACED XX FEET ON CENTER, 6" FROM TOP THROUGHOUT THE LENGTH (EXCL. TAPERS) OF THE BARRIER FACE EXPOSED TO TRAFFIC.
18. STRIPING SHALL BE REMOVED BY GRINDING IN AREAS WHICH WILL BE REMOVED IN SUBSEQUENT STAGES, BY HYDRO MILLING ON NEW ASPHALT OR BRIDGE DECKS.
19. PRECAST CONCRETE CONSTRUCTION BARRIER SHALL BE TYPE 4, WITH JOINT CLASS A, UNLESS OTHERWISE NOTED ON PLANS.
20. TRUCK MOUNTED ATTENUATOR SHOULD ONLY BE USED DURING A LANE CLOSURE.
21. CONSTRUCTION ACCESS AND EGRESS POINTS ARE TO BE APPROVED BY THE ENGINEER. PROVIDE TRUCK MOUNTED ATTENUATOR, TRAFFIC DIRECTOR ASSISTANCE AND DRUMS AT THE OPENING AS DIRECTED BY THE ENGINEER.
22. WHEN NO LONGER NEEDED, ALL BARRIER AND MODULAR GUIDANCE SYSTEM PLACED UNDER PREVIOUS CONTRACTS SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR.

MADE	BY	DATE
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	XXX	XX-XX-XX

5-08	DATE
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ORIGINAL SHEET

SAMPLE PLAN REVISION



NOTES:

1. TEMPORARY SIGN PANEL AND SUPPORT INSTALLED PRIOR TO STAGE 1. RELOCATED FOR STAGE 2.
2. HOLES FOR POST SHOULD BE FILLED AND REPAIRED WITH EQUAL MATERIAL AS THAT TAKEN OUT.

SIGN SUPPORT/MOUNTING DETAIL

FOR TEMPORARY GROUND MOUNTED GUIDE SIGNS (GA-X, GA-XX, GA-XX, GA-XX)

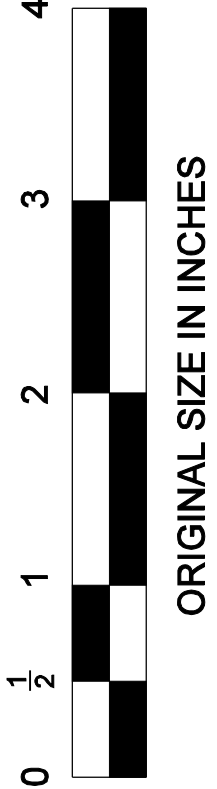
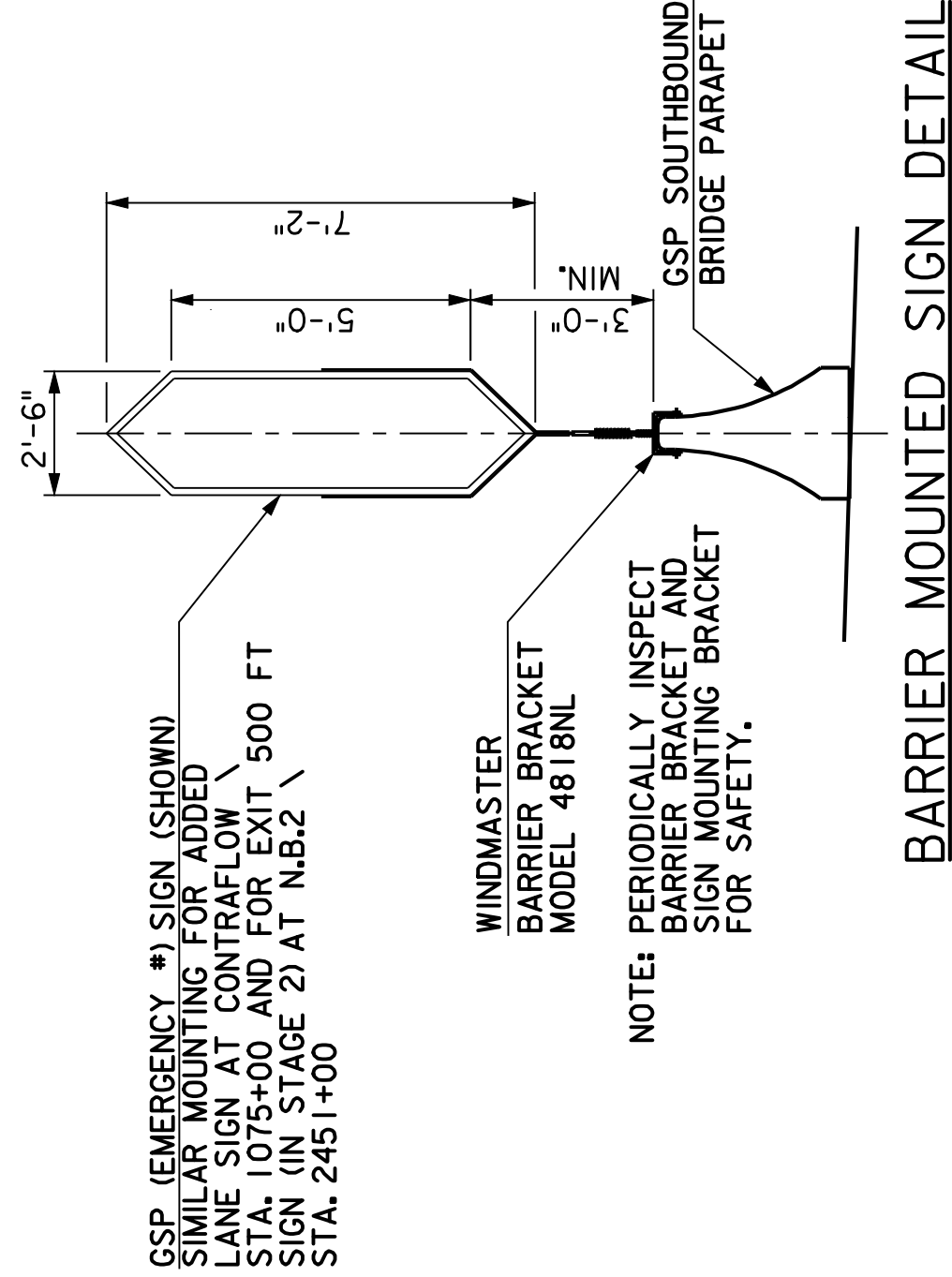
(SIGNS AT NB.1 & STA. XXXX+XX, LEFT; XXXX+XX, RIGHT; XXXX+XX, RIGHT)

LEGEND

- TRAFFIC CONE
- IMPACT ATTENUATOR
- PRECAST CONCRETE CONSTRUCTION BARRIER, PLAN
- PRECAST CONCRETE CONSTRUCTION BARRIER, SECTION
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- TRUCK WITH TRUCK MOUNTED ATTENUATOR
- 4' x 8' FLASHING ARROW BOARD
- WORK AREA
- TEMPORARY QUADGUARD
- WORK COMPLETED IN PREVIOUS STAGE

STRIPING

- 6" TTS-BWL
- 6" TEMPORARY TRAFFIC STRIPE - BROKEN WHITE LINE (10' LINE, 30' GAPS, GSP)
- 6" TTS-SWL
- 6" TEMPORARY TRAFFIC STRIPE - BROKEN WHITE LINE (25' LINE, 25' GAPS, NUTA)
- 6" TTS-SYL
- 6" TEMPORARY TRAFFIC STRIPE - SOLID WHITE LINE
- 6" TTS-DWL
- 6" TEMPORARY TRAFFIC STRIPE - SOLID YELLOW LINE
- 12" TTS-SWL
- 6" TEMPORARY TRAFFIC STRIPE - DOTTED WHITE LINE (2' LINE, 4' GAPS)
- 30" TTS-SWL
- 30" TEMPORARY TRAFFIC STRIPE - SOLID WHITE LINE (17' CLEAR SPACING)



MPT-1
MPT-8

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

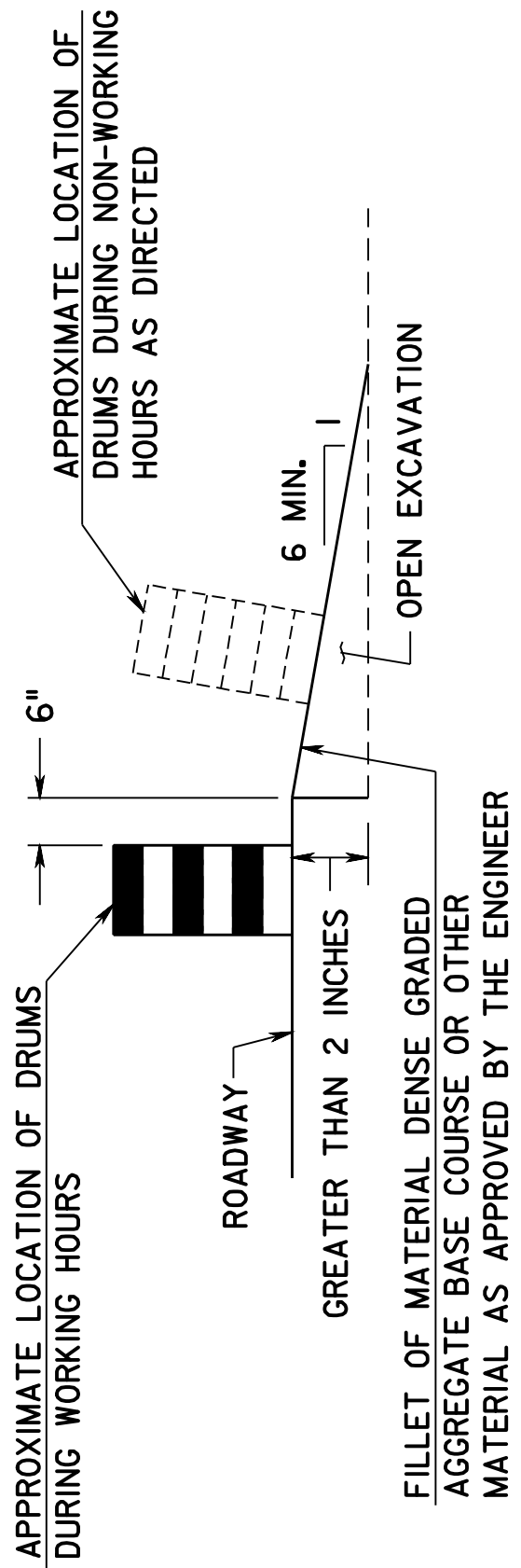
MAINTENANCE AND PROTECTION OF TRAFFIC

NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: NONE
DATE: MAY 2008

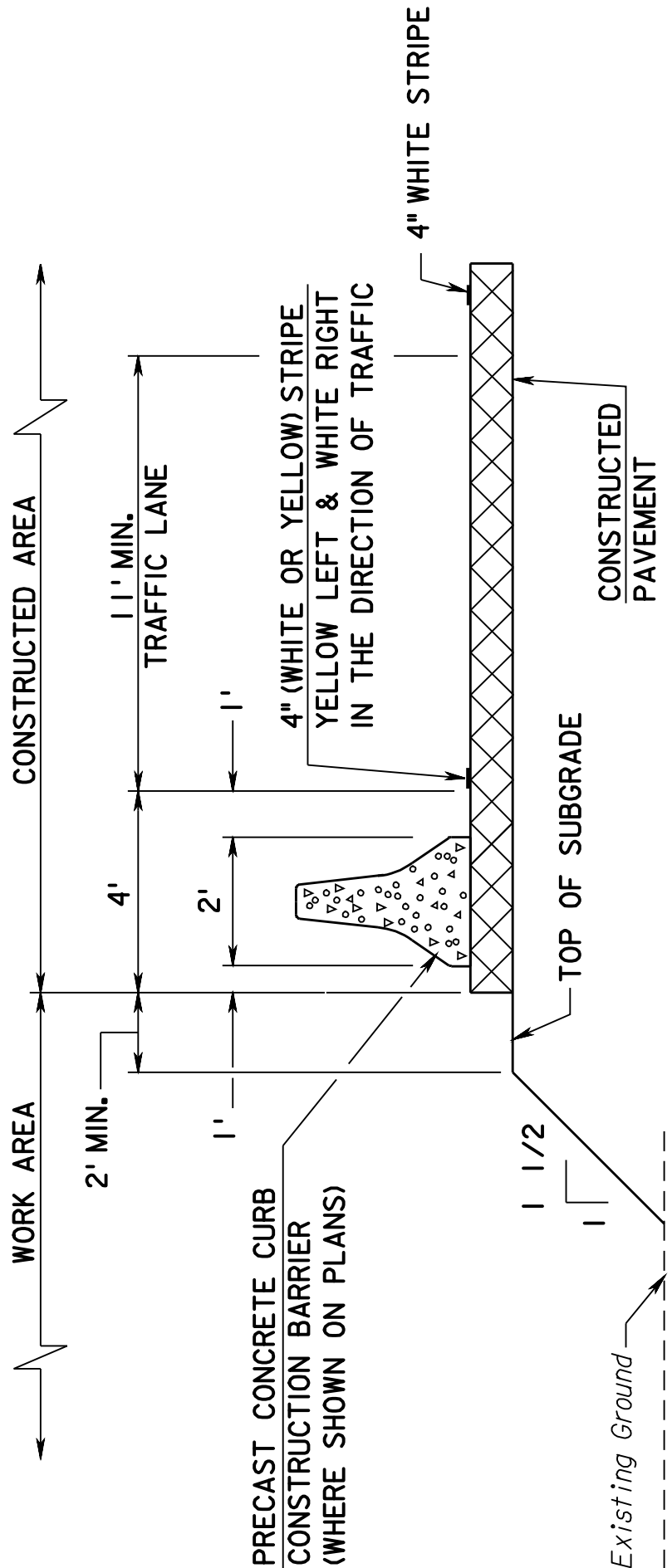
JOHN DOE
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

No.	DATE	REVISION	

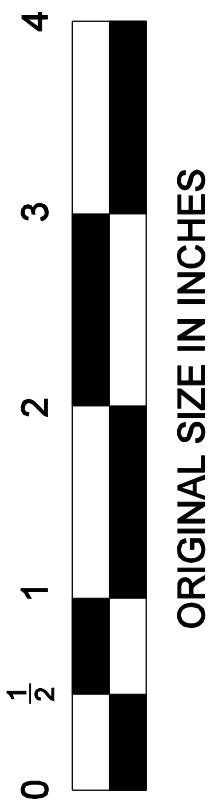


NOTE:
ESCAPE RAMPS MUST BE CONSTRUCTED AND MAINTAINED DURING NON-WORKING HOURS WHERE A VERTICAL DROP GREATER THAN 2 INCHES EXISTS ADJACENT TO TRAVELED LANE.

ESCAPE RAMP DETAIL



PLACEMENT OF PRECAST CONCRETE CONSTRUCTION BARRIER



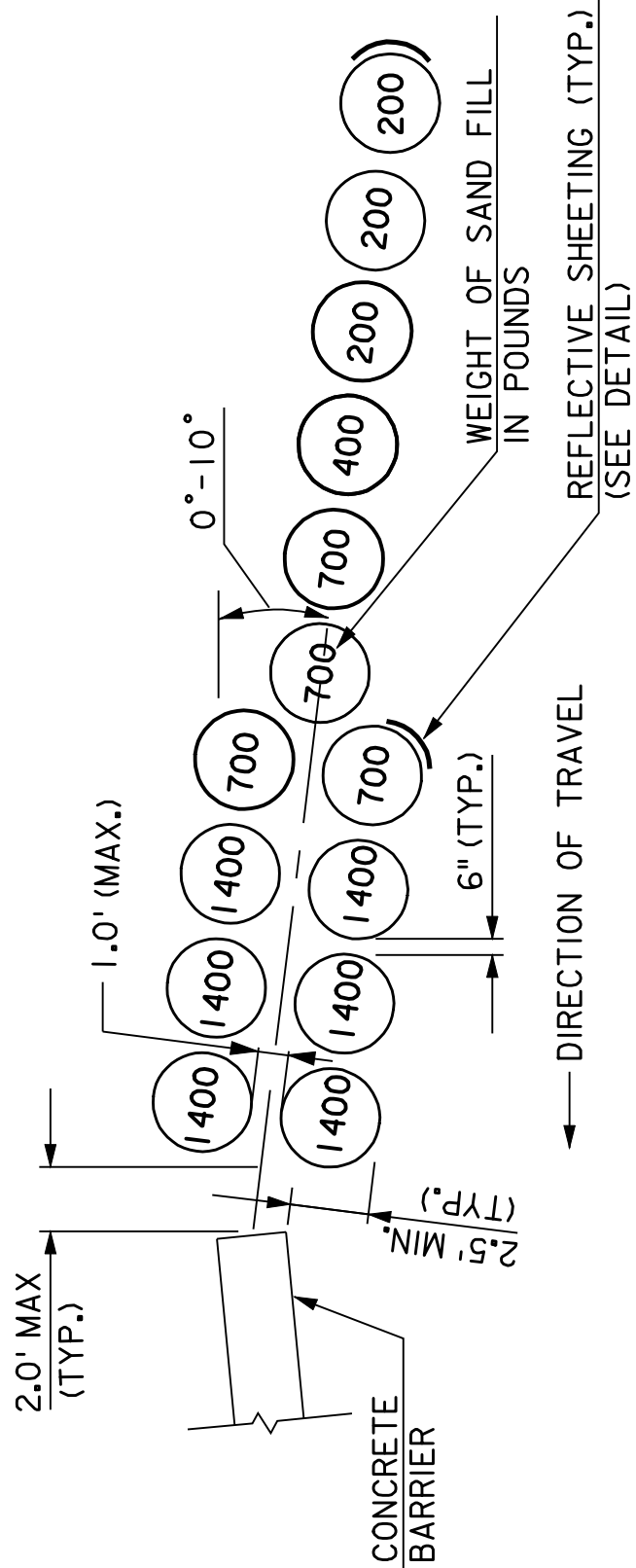
MPT-2
MPT-6

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

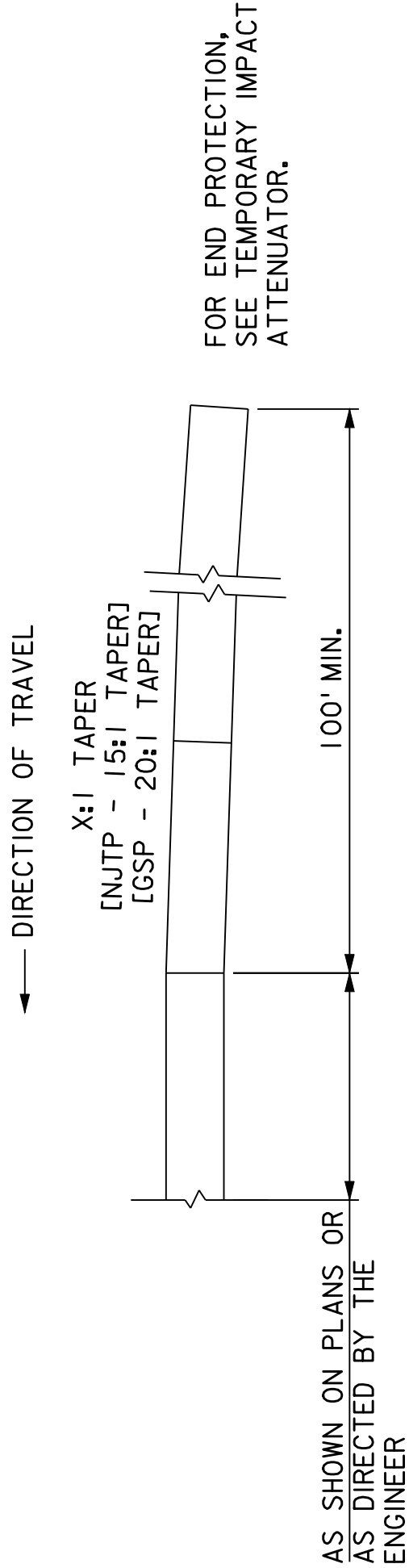
MAINTENANCE AND PROTECTION OF TRAFFIC DETAILS

NAME OF CONSULTANT	SCALE: NONE	8
ADDRESS	CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX	69
JOHN DOE	DATE: MAY 2008	
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX		

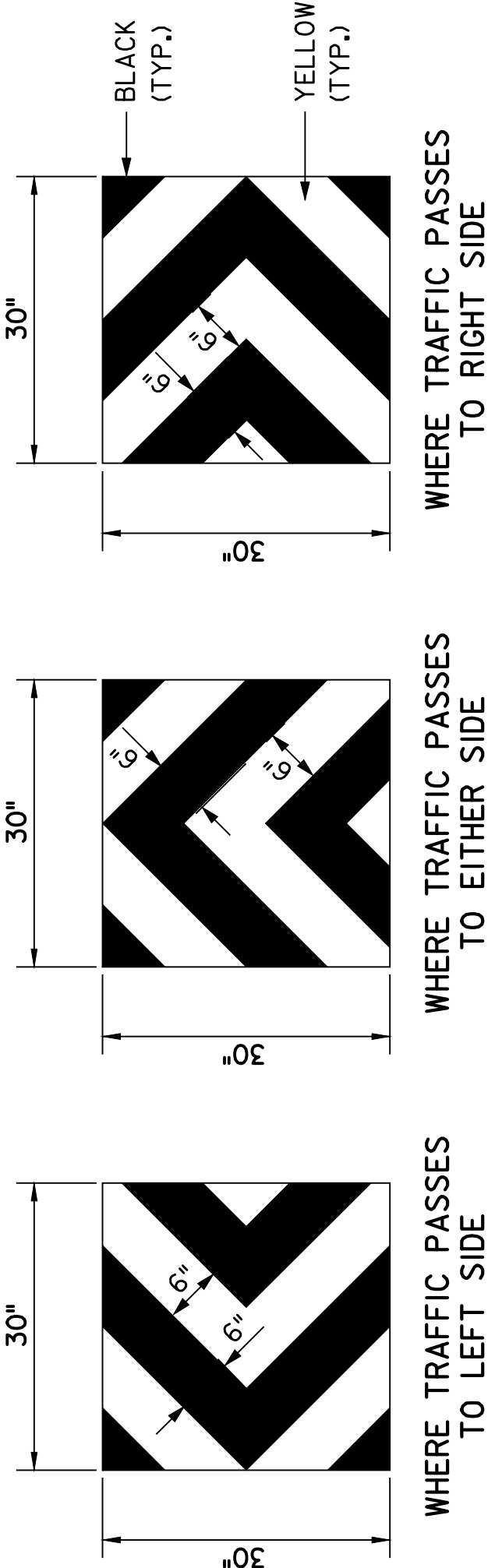


TEMPORARY IMPACT ATTENUATOR

(DESIGN SPEED = 60 MPH)



CONCRETE CONSTRUCTION BARRIER END TREATMENT



REFLECTIVE PANEL DETAIL

LOCATIONS WHERE IMPACT ATTENUATORS ARE USED: ON THE SMOOTH SURFACE OF THE "BELLY BAND" OF HYDROCELL TYPES AND ENERGITE TYPE BARRELS, INSTALL A 30" X 30" PIECE OF HIGH INTENSITY, COLD APPLICATION, HI TACK OR SUPER HI TACK SHEETING WITH EITHER OF THE THREE APPROPRIATE CROSS HATCHING SCHEMES AS SHOWN ABOVE ON "FITCH TYPE BARRELS, DUE TO THE RIGID SURFACE, THE SHEETING MAY HAVE TO BE MOUNTED ON "LIGHT" STOCK AND BE POP-RIVETED ON THE LEAD DRUM.

MADE	BY	DATE
THAWED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	XXX	XX-XX-XX

NO.	DATE
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SEQUENCE OF CONSTRUCTION

NOTES:

- 1. LANES ARE NUMBERED FROM LEFT TO RIGHT IN THE DIRECTION OF TRAVEL (LANE NO. 1 BEING THE LANE CLOSEST TO THE MEDIAN, EXCLUDING THE CONTRAFLOW LANE).
- 2. ON THE DRISCOLL BRIDGE, THE NORTHBOUND INNER LANES CONSIST OF THAT PORTION OF THE DECK THAT WAS FORMERLY THE SOUTHBOUND LANES. THE NORTHBOUND OUTER LANES CONSIST OF THAT PORTION OF THE DECK THAT IS THE NORTHBOUND LANES.
- 3. STAGE 1 AND STAGE 2 ARE LONG DURATION STAGES REQUIRED TO PERFORM BRIDGE REHABILITATION.
- 4. PRE-STAGE 1 AND PRE-STAGE 2 ARE SHORTER DURATION STAGES THAT ARE NEEDED TO PERFORM WORK THAT WILL ALLOW IMPLEMENTATION OF STAGES 1 AND 2.
- 5. POST-STAGE 2 IS A SHORTER DURATION STAGE TO WRAP UP WORK.
- 6. TASKS ARE RELATIVELY SHORT DURATION WORK EFFORTS THAT SHALL BE PERFORMED IN A SEQUENCE TO ALLOW CONSTRUCTION OF IMPROVEMENTS WHILE MAINTAINING TRAFFIC.

THE FOLLOWING ARE GENERAL NOTES AND LISTING OF ACTIVITIES PERTAINING TO EACH CONSTRUCTION STAGE. THE LISTING AND SEQUENCE OF THE ACTIVITIES ARE PROVIDED FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL WORK REQUIRED BY THE CONTRACT WHETHER THE REQUIRED WORK OR ACTIVITY IS LISTED BELOW OR NOT.

PRE-STAGE 1:

SET UP ADVANCE WARNING SIGNS.
CONSTRUCT TEMPORARY DRAINAGE SOUTH OF BRIDGE. PERMANENT DRAINAGE NORTH OF BRIDGE. PAVEMENT FOR CONTRAFLOW LANE SOUTH AND NORTH OF BRIDGE BETWEEN EXISTING BARRIER FOR CONTRAFLOW LANE AND EXISTING GUARD RAIL/BARRIER FOR NORTHBOUND ROADWAY.
PLACE STAGE 1 STRIPES BETWEEN EXISTING BARRIER FOR CONTRAFLOW LANE AND EXISTING GUARD RAIL/BARRIER FOR NORTHBOUND ROADWAY.
PLACE TEMPORARY BARRIER, BRIDGE ON NORTHBOUND INNER BRIDGE.

TASK 1:
SET UP SINGLE LANE CLOSING OF SOUTHBOUND LANE NO. 1, AND THEN SET UP TEMPORARY IMPACT ATTENUATOR AT NORTHBOUND | BASELINE STATION 3400+00 LEFT.
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1, AND THEN SET UP TEMPORARY IMPACT ATTENUATOR AT NORTHBOUND | BASELINE STATION 3399+50 RIGHT.

TASK 2:
SET UP SINGLE LANE CLOSING OF SOUTHBOUND LANE NO. 1, AND THEN PLACE PRECAST CONCRETE CURB CONSTRUCTION BARRIER BEGINNING AT NORTHBOUND | BASELINE STATION 3400+00 LEFT AND MOVING SOUTH TO 3397+60.
SET UP SINGLE LANE CLOSING OF SOUTHBOUND LANE NO. 1, AND THEN PLACE PRECAST CONCRETE CURB CONSTRUCTION BARRIER BEGINNING AT NORTHBOUND | BASELINE STATION 3399+50 RIGHT AND MOVING NORTH TO 3401+75.
SET UP OUTSIDE SHOULDER CLOSING OF NORTHBOUND ROADWAY; CONSTRUCT GUARD RAIL FOR OVERHEAD SIGN STRUCTURE NO. 6.

TASK 3:
REMOVE AND STORE EXISTING CANTILEVER SIGN STRUCTURE NO. 1, AT NORTHBOUND | BASELINE STATION 3401+50.
COMPLETE CONSTRUCTION OF SIGN STRUCTURE NO. 6 AT NORTHBOUND | BASELINE STATION 3398+00.
CONSTRUCT GUARD RAIL ON SOUTHBOUND ROADWAY IN THE VICINITY OF OVERHEAD SIGN STRUCTURE NO. 6
TAKE OUT CONCRETE BARRIER, CONSTRUCT TEMP. DRAINAGE AND REPLACE CONCRETE BARRIER.

TASK 4:
SET UP SINGLE LANE CLOSING OF SOUTHBOUND LANE NO. 1, AND THEN REMOVE PRECAST CONCRETE CURB CONSTRUCTION BARRIER SET UP IN TASK 2, NORTHBOUND | BASELINE STATION 3397+80 TO 3400+00 LEFT, MOVING FROM SOUTH TO NORTH.
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1, AND THEN REMOVE PRECAST CONCRETE CURB CONSTRUCTION BARRIER SET UP IN TASK 2, NORTHBOUND | BASELINE STATION 3399+50 TO 3401+75 RIGHT, MOVING FROM NORTH TO SOUTH.

TASK 5:
SET UP SINGLE LANE CLOSING OF SOUTHBOUND LANE NO. 1, AND THEN REMOVE TEMPORARY IMPACT ATTENUATOR SET UP IN TASK 1, NORTHBOUND | BASELINE STATION 3400+00 LEFT.
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1, AND THEN REMOVE TEMPORARY IMPACT ATTENUATOR SET UP IN TASK 1, NORTHBOUND | BASELINE STATION 3399+50 RIGHT.

TASK 6:
SET UP TEMPORARY IMPACT ATTENUATOR AT NORTHBOUND | BASELINE STATION 3411+28 LEFT, BEHIND THE EXISTING CONCRETE BARRIER.
PLACE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ADJOINING EXISTING BARRIER.

TASK 7:
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1, AND THEN REMOVE 100 LF OF EXISTING CONCRETE BARRIER AND REPAIR PAVEMENT. NORTHBOUND | BASELINE STATION 3411+28 TO 3412+28 (APPROXIMATE).

TASK 8:
MAINTAIN SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1 SET UP UNDER TASK 7. PLACE 100 LF OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER AT 201+ TAPER.

TASK 9:
SET UP TEMPORARY IMPACT ATTENUATOR AT CONTRAFLOW BASELINE STATION 1013+55, BEHIND THE EXISTING CONCRETE BARRIER.
PLACE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ALONG LEFT SIDE OF THE OUTER NORTHBOUND ROADWAY, BEHIND THE EXISTING CONCRETE BARRIER, FROM THE ABOVE TEMPORARY IMPACT ATTENUATOR NORTH TO THE EXISTING MEDIAN BARRIER AT 1019+82.

TASK 10:
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1 ON SOUTH APPROACH TO BRIDGE. REMOVE EXISTING CONCRETE BARRIER AND GUARD RAIL STARTING AT NORTHBOUND | BASELINE STATION 3411+28 AND MOVING SOUTH TO NORTHBOUND BASELINE STATION 3396+00 (APPROXIMATE).
EXTEND SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 1 ACROSS BRIDGE. REMOVE EXISTING CONCRETE BARRIER STARTING AT NORTHBOUND | BASELINE STATION 3468+50 AND MOVING SOUTH AND CONSTRUCT INLET COVER SLAB.
SET UP LEFT SHOULDER CLOSING. CONSTRUCT GUARD RAIL FROM NORTHBOUND OUTER BASELINE STATION 3367+00 TO STATION 3375+00 (APPROXIMATE).

CONSTRUCT PAVEMENT FOR STAGE 1 NORTH OF BRIDGE, USING THE FOLLOWING SEQUENCE:

- STEP 1: REMOVE EXISTING STRIPES AND PLACE STAGE 1 STRIPES SOUTH OF BRIDGE, USING THE FOLLOWING SEQUENCE:
SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.1 AND 2, THEN PAVE LANE 1.
- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN PAVE LANE 2.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN PAVE LANE 3.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN PAVE LANE 4.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN PAVE LANE 5.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 5 AND 6, THEN PAVE LANE 6.

TASK 11:
INSTALL SIGN PANELS ON SIGN STRUCTURES NO. 4 AND 6.
REMOVE EXISTING STRIPES AND PLACE STAGE 1 STRIPES SOUTH OF BRIDGE, USING THE FOLLOWING SEQUENCE:
STEP 1: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.5 AND 6, THEN STRIPE LANE 6.- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN STRIPE LANE 5.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN STRIPE LANE 4.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN STRIPE LANE 3.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN STRIPE LANE 2.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 1 AND 2, THEN STRIPE LANE 1.

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED		X.XXXX

5-08	DATE
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ORIGINAL SHEET

SAMPLE PLAN REVISION

REMOVE EXISTING STRIPES AND PLACE STAGE 1 STRIPES NORTH OF THE BRIDGE, USING THE FOLLOWING SEQUENCE:
AT ALL TIMES MAINTAIN AT LEAST ONE LANE; EACH FOR THROUGH AND EXIT 127.

- STEP 1: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.1 AND 2, THEN STRIPE LANE 1.
- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN STRIPE LANE 2.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN STRIPE LANE 3.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN STRIPE LANE 4.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN STRIPE LANE 5.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 5 AND 6, THEN STRIPE LANE 6.

TASK 12:

SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6, AND THEN SET UP TEMPORARY IMPACT ATTENUATOR AT CONTRAFLOW BASELINE STATION 1013+55 80' RIGHT.
SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6, AND THEN PLACE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ALONG RIGHT SIDE OF THE INNER NORTHBOUND ROADWAY, STARTING AT CONTRAFLOW BASELINE STATION 1013+55 AND MOVING NORTH.
REMOVE EXISTING SIGN PANEL ON EXISTING CANTILEVER SIGN STRUCTURE AT NORTHBOUND M.P. 126.8 (APPROXIMATE).
EXTEND SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6 ACROSS BRIDGE. PLACE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ALONG RIGHT SIDE OF THE INNER NORTHBOUND ROADWAY, STARTING AT NB 1 BASELINE STATION 3456+38 AND MOVING NORTH.
INSTALL ALL REMAINING SIGNS (GUIDE, WARNING, CONSTRUCTION) FOR STAGE 1 TRAFFIC.

STAGE 1:

PERFORM ALL CONSTRUCTION ON OUTER NORTHBOUND DRISCOLL BRIDGE AND APPROACHES:
DRISCOLL BRIDGE SUBSTRUCTURE AND SUPERSTRUCTURE WORK
INSTALL PAVEMENT SENSOR SYSTEM.
MILL AND PAVE ON NORTH AND SOUTH APPROACHES.
RIGHT FOUNDATION AND TOWER OF SIGN STRUCTURE NO. 7
CONSTRUCT SIGN STRUCTURE NO. 1, INSTALL SIGN PANEL GO-9.
PLACE STAGE 2 STRIPES ON OUTER NORTHBOUND ROADWAY.
REMOVE EXISTING CANTILEVER SIGN STRUCTURE NO.E2.

PRE-STAGE 2:

ON SOUTH APPROACH OF NORTHBOUND OUTER, MILL AND PAVE TO FINAL ROADWAY GRADES BETWEEN GUARD RAIL AND PRECAST CONSTRUCTION BARRIER.

TASK 1:

- CONSTRUCT FINAL ROADWAY PAVEMENT SOUTH OF BRIDGE USING THE FOLLOWING SEQUENCE:
STEP 1: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.5 AND 6, THEN PAVE LANE 6.
- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN PAVE LANE 5.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN PAVE LANE 4.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN PAVE LANE 3.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN PAVE LANE 2.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 1 AND 2, THEN PAVE LANE 1.

TASK 2:

SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6, AND THEN RESET 100 LF OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER, NORTHBOUND | BASELINE STATION 3411+28 TO 3412+28 (APPROXIMATE).
SET TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION ON APPROACH END OF RESET BARRIER.

TASK 3:

SET UP SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6.
REMOVE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ALONG RIGHT SIDE OF THE INNER NORTHBOUND ROADWAY, STARTING AT NORTHBOUND | BASELINE STATION 3411+28 AND MOVING SOUTH, REMOVE TEMPORARY IMPACT ATTENUATOR AT CONTRAFLOW BASELINE STATION 1013+55 80' RIGHT, LONG EXTEND SINGLE LANE CLOSING OF NORTHBOUND LANE NO. 6 ACROSS BRIDGE. REMOVE PRECAST CONCRETE CURB, CONSTRUCTION BARRIER ALONG RIGHT SIDE OF THE INNER NORTHBOUND ROADWAY, STARTING AT NORTH END AND MOVING SOUTH, PLACE IN TEMPORARY STORAGE.

TASK 4:

RELOCATE TEMPORARY GROUND MOUNTED GUIDE SIGNS GA-2 AND GA-3.
REMOVE EXISTING STRIPES AND PLACE STAGE 2 STRIPES SOUTH OF BRIDGE, USING THE FOLLOWING SEQUENCE:

- STEP 1: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.5 AND 6, THEN STRIPE LANE 6.
- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN STRIPE LANE 5.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN STRIPE LANE 4.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN STRIPE LANE 3.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN STRIPE LANE 2.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 1 AND 2, THEN STRIPE LANE 1.

REMOVE EXISTING STRIPES AND PLACE STAGE 2 STRIPES NORTH OF THE BRIDGE, USING THE FOLLOWING SEQUENCE:
AT ALL TIMES MAINTAIN AT LEAST ONE LANE; EACH FOR THROUGH AND EXIT 127.

- STEP 1: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO.1 AND 2, THEN STRIPE LANE 1.
- STEP2: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2 AND 3, THEN STRIPE LANE 2.
- STEP3: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 1, 2, 3 AND 4, THEN STRIPE LANE 3.
- STEP4: SET UP 4 LANE CLOSING OF NORTHBOUND LANES NO. 3, 4, 5 AND 6, THEN STRIPE LANE 4.
- STEP5: SET UP 3 LANE CLOSING OF NORTHBOUND LANES NO. 4, 5 AND 6, THEN STRIPE LANE 5.
- STEP6: SET UP 2 LANE CLOSING OF NORTHBOUND LANES NO. 5 AND 6, THEN STRIPE LANE 6.

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

MAINTENANCE AND PROTECTION OF TRAFFIC SEQUENCE NOTES

NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: NONE
DATE: MAY 2008

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

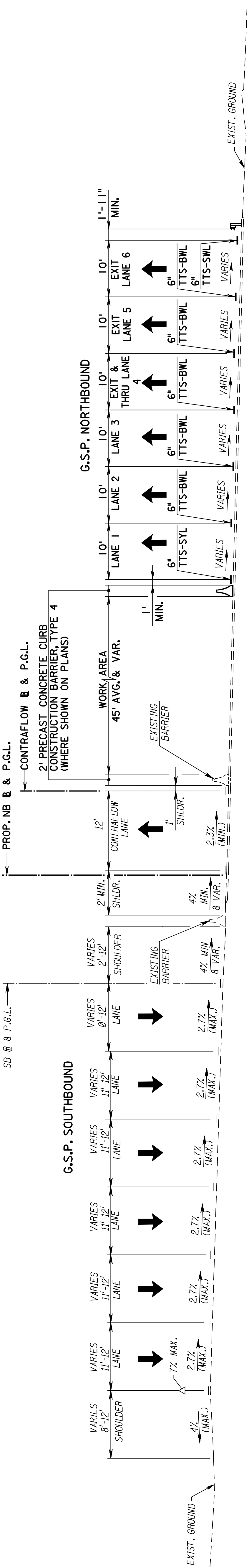
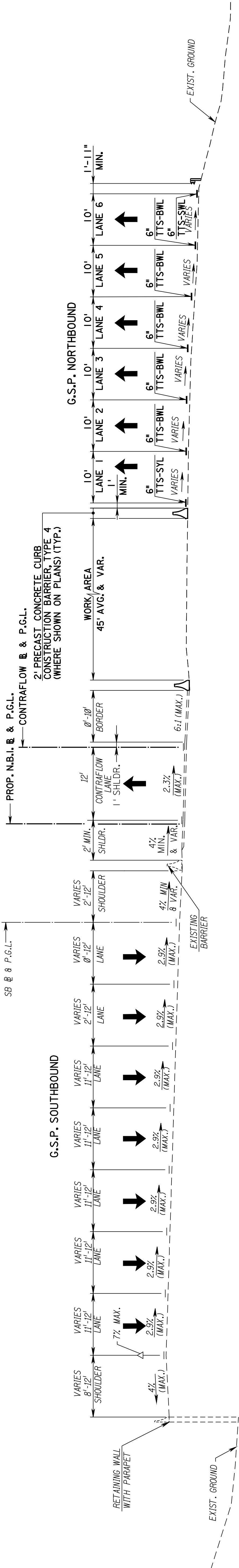
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CHECKED	XXX	XX-XX-XX
SUPERVISED	XXX	XX-XX-XX

No.	DATE
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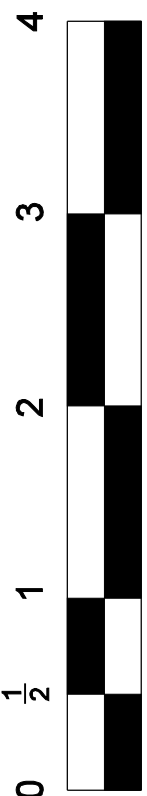
TYPICAL SECTION

N.B.I. STA. 3404+00 TO BRIDGE



TYPICAL SECTION

BRIDGE TO N.B.I. STA. 3461+00



MPT-5
MPT-6

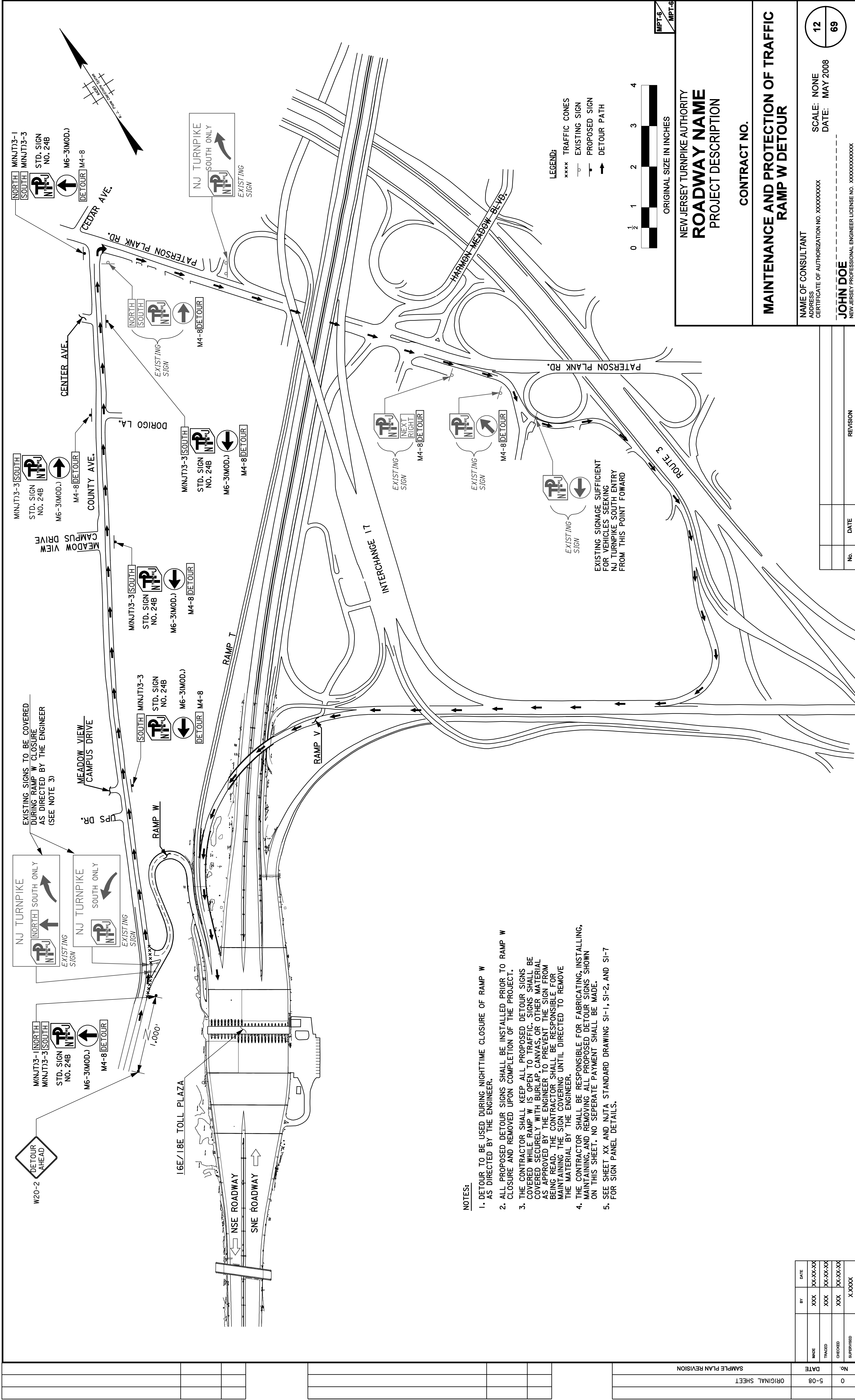
NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

**MAINTENANCE AND PROTECTION OF TRAFFIC
STAGE 2 TYPICAL SECTIONS**

NAME OF CONSULTANT	SCALE: 1:10'H, 1:10'V	11
ADDRESS	CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX	69
	DATE: MAY 2008	
JOHN DOE		
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX		

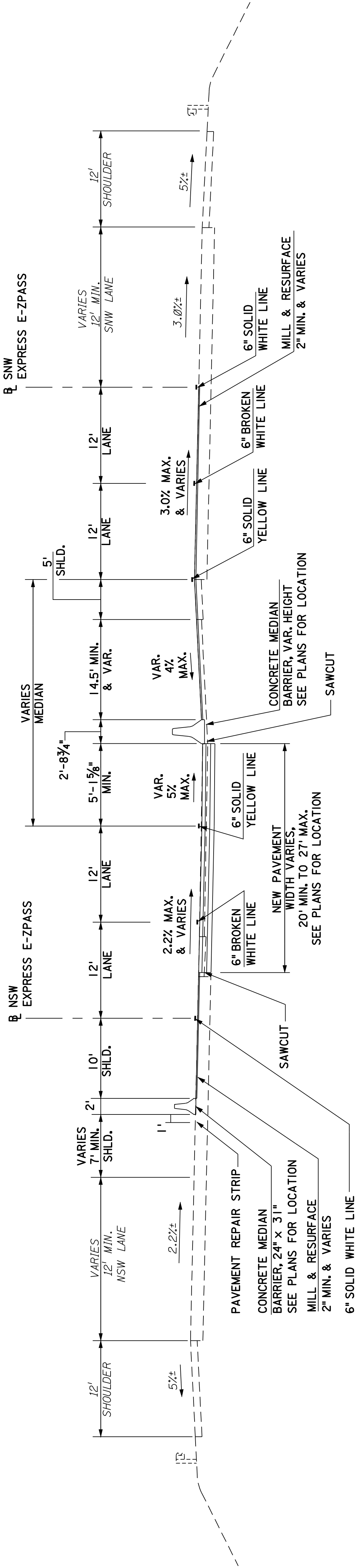
No.	DATE	REVISION	



	BY	DATE
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TRACED	XXX	XX-XX-XX
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SUPERVISED	X.XXXX	

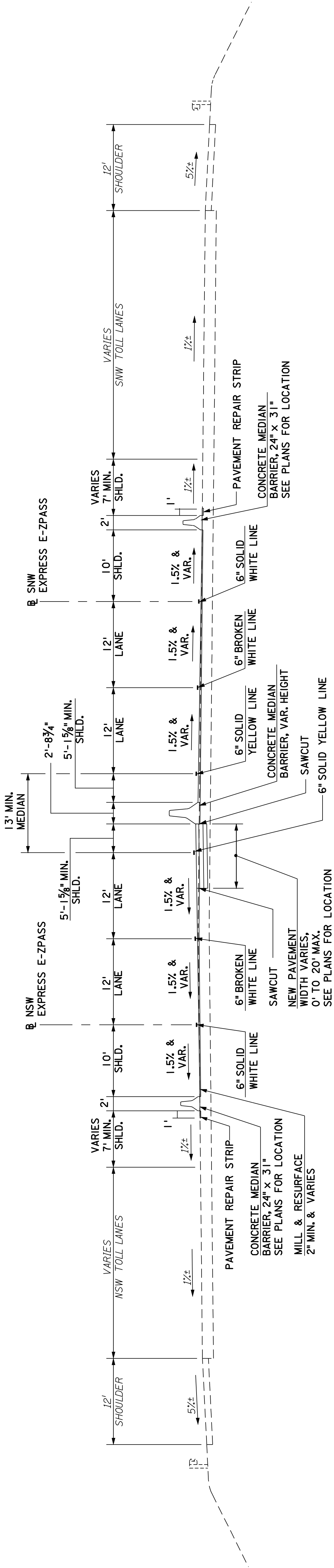
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ADDRESS CERTIFICATE OF AUTHORIZATION NO. xxxxxxxxxxxxxx		DATE: MAY 2008	
JOHN DOE NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. xxxxxxxxxxxxxxxxx			

	ORIGINAL SHEET		
	SAMPLE PLAN REVISION		
5-08	DATE	BY	DATE
0	MADE	XXX	XX-XX-XX
	TRACED	XXX	XX-XX-XX
	CHECKED	XXX	XX-XX-XX
	SUPERVISED	XXX	X-XXXX



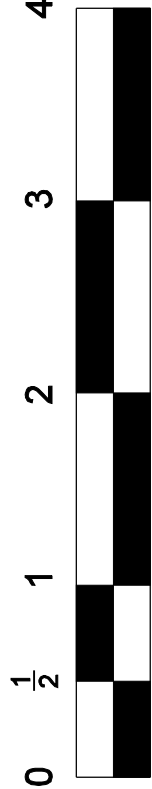
SUPERELEVATED SECTION

NSW STA. 105+30 TO NSW STA. 110+50
SNW STA. 105+00 TO SNW STA. 110+43



NORMAL SECTION

NSW STA. 93+27 TO NSW STA. 105+30
SNW STA. 93+29 TO SNW STA. 105+00



TYP-1
TYP-2

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

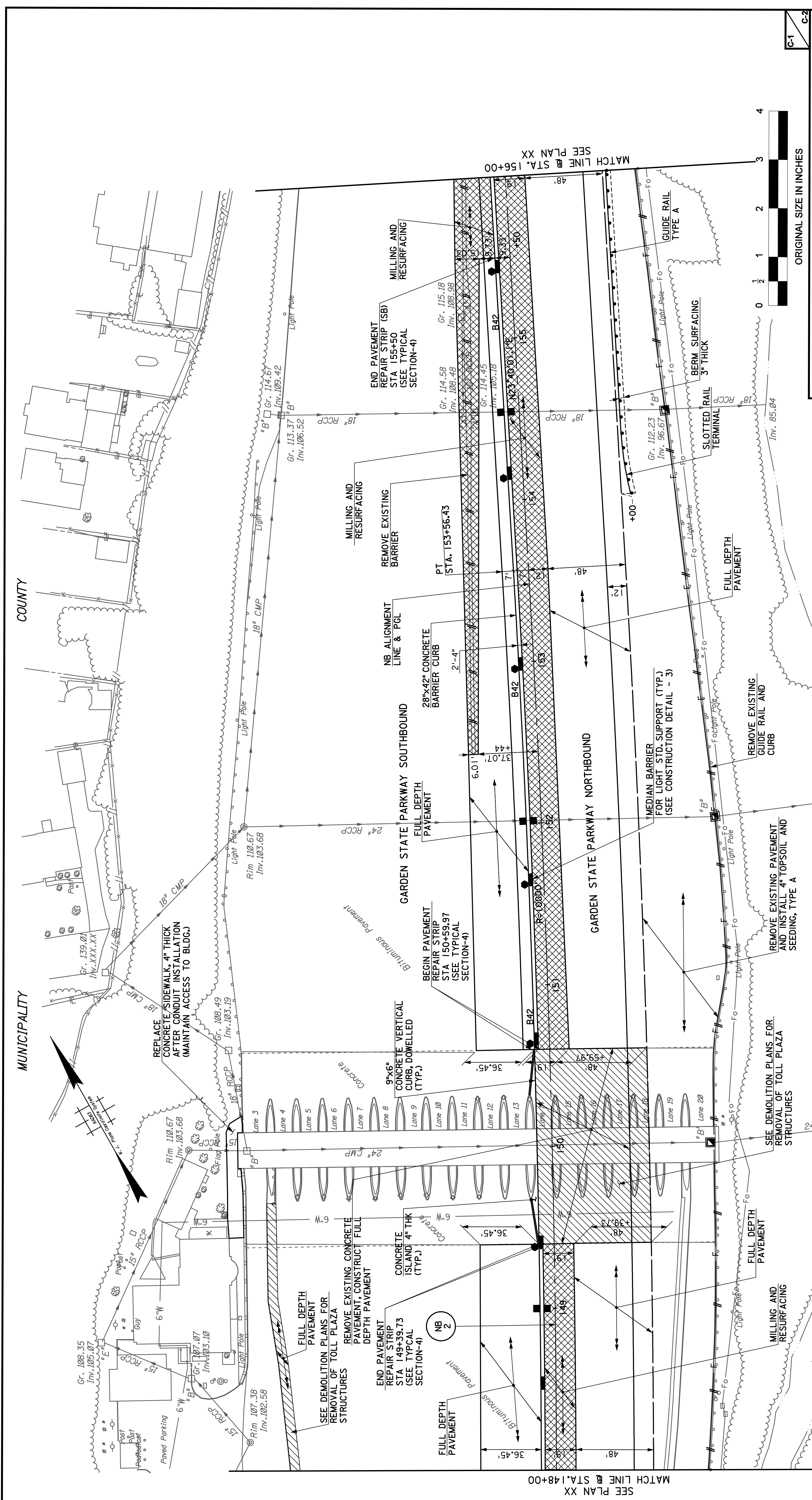
CONTRACT NO.

TYPICAL SECTION -1-

NAME OF CONSULTANT	SCALE: NONE
ADDRESS	DATE: MAY 2008
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX	
JOHN DOE	
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX	

No.	DATE	REVISION	

No.	DATE	BY	DATE
0	5-08	XXX	XX-XX-XX
		XXX	XX-XX-XX
		XXX	XX-XX-XX
		XXX	XX-XX-XX



NEW JERSEY TURNPIKE AUTHORITY

ROADWAY NAME

PROJECT DESCRIPTION

CONTRACT NO.

CONSTRUCTION PLAN -1-

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

FILE NAME: XXXX

SCALE: 1"=30'

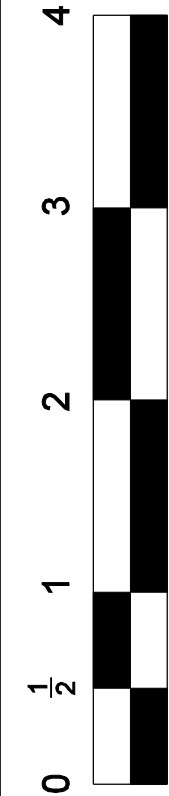
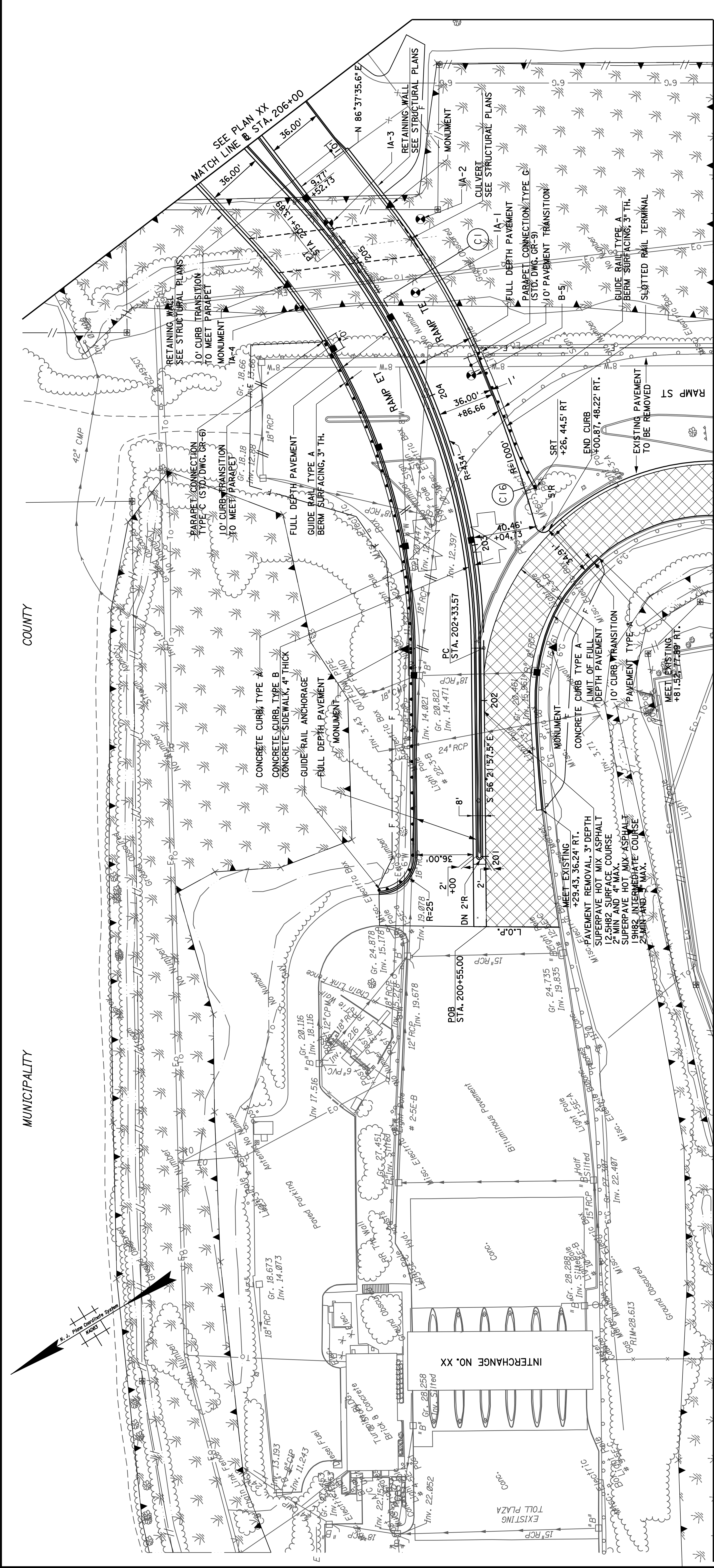
DATE: MAY 2008

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[illegible]

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

CONSTRUCTION PLAN -2-

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: 1"= 30'

DATE: MAY 2008

16

69

JOHN DOE

FILE NAME: XXX

SAMPLE PLAN SHEET NO. 16 OF 69

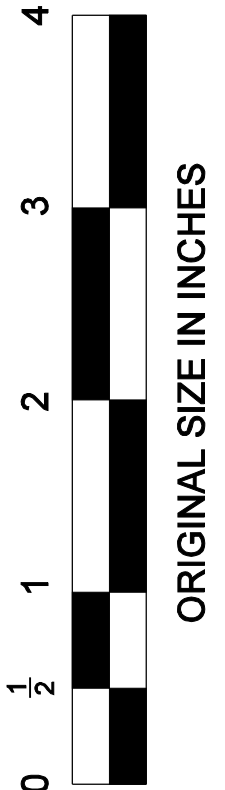
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PLAN 1 DRAINAGE TABULATION						
STRUCTURE NO.	STA., OFFSET	TOP OF GRATE	TYPE OF STRUCTURE	INVERTS	PIPES	REMARKS
1	146+22, 38.00' R	13.91	A	9.97 (15" W OUT)	15" RCCP (OUT)	
2	146+22, 2.00' R	14.73	A	9.80 (15" E IN) 9.75 (15" W IN) 9.75 (15" N OUT)	15" RCCP (IN) 15" RCCP (IN) 15" RCCP (OUT)	
3	146+22, 2.00' L	14.73	A	9.80 (15" W IN) 9.80 (15" E OUT)	15" RCCP (IN) 15" RCCP (OUT)	
4	146+22, 38.00' L	13.91	A	9.97 (15" E OUT)	15" RCCP (OUT)	
PLAN 2 DRAINAGE TABULATION						
STRUCTURE NO.	STA., OFFSET	TOP OF GRATE	TYPE OF STRUCTURE	INVERTS	PIPES	REMARKS
5	149+22, 38.00' R	12.41	A	8.65 (15" W OUT) 8.25 (15" E IN)	15" RCCP (OUT) 15" RCCP (IN)	
6	149+22, 2.00' R	13.23	A	8.25 (15" W IN) 8.50 (15" S IN) 8.25 (18" N OUT)	15" RCCP (IN) 15" RCCP (IN) 18" RCCP (OUT)	
7	149+22, 2.00' L	13.23	A	8.32 (15" E IN) 8.32 (15" W OUT)	15" RCCP (IN) 15" RCCP (OUT)	
8	149+22, 38.00' L	12.41	A	8.65 (15" E OUT)	15" RCCP (OUT)	
9	152+22, 38.00' R	10.91	A	6.97 (15" W OUT)	15" RCCP (OUT)	
10	152+22, 2.00' R	11.73	B	6.75 (15" E IN) 6.75 (15" W IN) 6.75 (18" S IN) 6.00 (24" N OUT)	15" RCCP (IN) 15" RCCP (IN) 18" RCCP (IN) 24" RCCP (OUT)	
11	152+22, 2.00' L	11.73	A	6.80 (15" W IN) 6.80 (15" E OUT)	15" RCCP (IN) 15" RCCP (OUT)	
12	152+22, 38.00' L	10.91	A	6.97 (15" E OUT)	15" RCCP (OUT)	
13	155+22, 38.00' R	9.41	A	5.47 (15" W OUT) 5.26 (15" E IN)	15" RCCP (OUT) 15" RCCP (IN)	
14	155+22, 2.00' R	10.23	B	5.26 (15" W IN) 4.60 (24" S IN) 4.10 (30" N OUT)	15" RCCP (IN) 24" RCCP (IN) 30" RCCP (OUT)	
15	155+22, 2.00' L	10.23	A	5.30 (15" W IN) 5.30 (15" E OUT)	15" RCCP (IN) 15" RCCP (OUT)	
16	155+22, 38.00' L	9.41	A	5.47 (15" E OUT)	15" RCCP (OUT)	

PLAN 4 DRAINAGE TABULATION						
STRUCTURE NO.	STA., OFFSET	TOP OF GRATE	TYPE OF STRUCTURE	INVERTS	PIPES	REMARKS
33	168+46, 0'	SEE DETAILS FOR RIMS	WATER QUALITY CHAMBER No.1	-0.13(36" S IN) -0.13 (36" W OUT)	36" RCCP (IN) 36" RCCP (OUT)	NON-STANDARD STRUCTURE
34	169+07, 0'	SEE DETAILS FOR RIMS	WATER QUALITY CHAMBER No.2	-0.05 (30" N IN) -0.05 (30" W OUT)	30" RCCP (IN) 30" RCCP (OUT)	NON-STANDARD STRUCTURE
35	169+58, 38.00' R	9.40	A	5.95 (15" W OUT)	15" RCCP (OUT)	
36	169+58, 2.00' R	10.22	B	5.65 (15" E IN) 5.55 (15" W IN) 0.14 (30" N IN) 0.14 (30" S OUT)	15" RCCP (IN) 15" RCCP (IN) 30" RCCP (IN) 30" RCCP (OUT)	
37	169+58, 2.00' L	10.22	A	5.70 (15" W IN)	15" RCCP (IN)	
38	169+58, 38.00' L	9.40	A	5.70 (15" E OUT)	15" RCCP (OUT)	
39	171+55, 44.52' R	8.10	A	4.95 (15" W OUT)	15" RCCP (OUT)	
40	171+55, 2.00' R	9.01	B	4.80 (15" W IN) 4.65 (15" E IN) 0.83 (30" N IN) 0.83 (30" S OUT)	15" RCCP (IN) 15" RCCP (IN) 30" RCCP (IN) 30" RCCP (OUT)	
41	171+55, 2.00' L	9.01	A	4.85 (15" W IN) 4.85 (15" E OUT)	15" RCCP (IN) 15" RCCP (OUT)	
42	171+55, 38.00' L	8.19	A	5.04 (15" E OUT)	15" RCCP (OUT)	
43	174+55, 51.46' R	6.34	E	2.65 (18" E OUT)	18" RCCP (OUT)	
44	174+55, 2.00' R	7.34	BB	2.40 (18" E IN) 2.40 (18" W IN) 2.63 (21" N IN) 1.88 (30" S OUT)	18" RCCP (IN) 18" RCCP (IN) 21" RCCP (IN) 30" RCCP (OUT)	NON-STANDARD STRUCTURE
45	174+55, 2.00' L	7.34	BB	2.50 (18" W IN) 2.50 (18" E OUT)	18" RCCP (IN) 18" RCCP (OUT)	NON-STANDARD STRUCTURE
46	174+55, 38.00' L	6.52	E	2.80 (18" E OUT)	18" RCCP (OUT)	

GENERAL NOTES:

1. REFER TO CONTRACT DETAILS FOR SPECIFICS ON ALL NON-STANDARD DRAINAGE STRUCTURES (NOTED IN TABLE).
2. STATION DESIGNATIONS ARE TO CENTER OF STRUCTURES AND OFFSET DIMENSIONS ARE TO FACE OF CURB/PARAPET, OTHERWISE TO CENTER OF STRUCTURE.



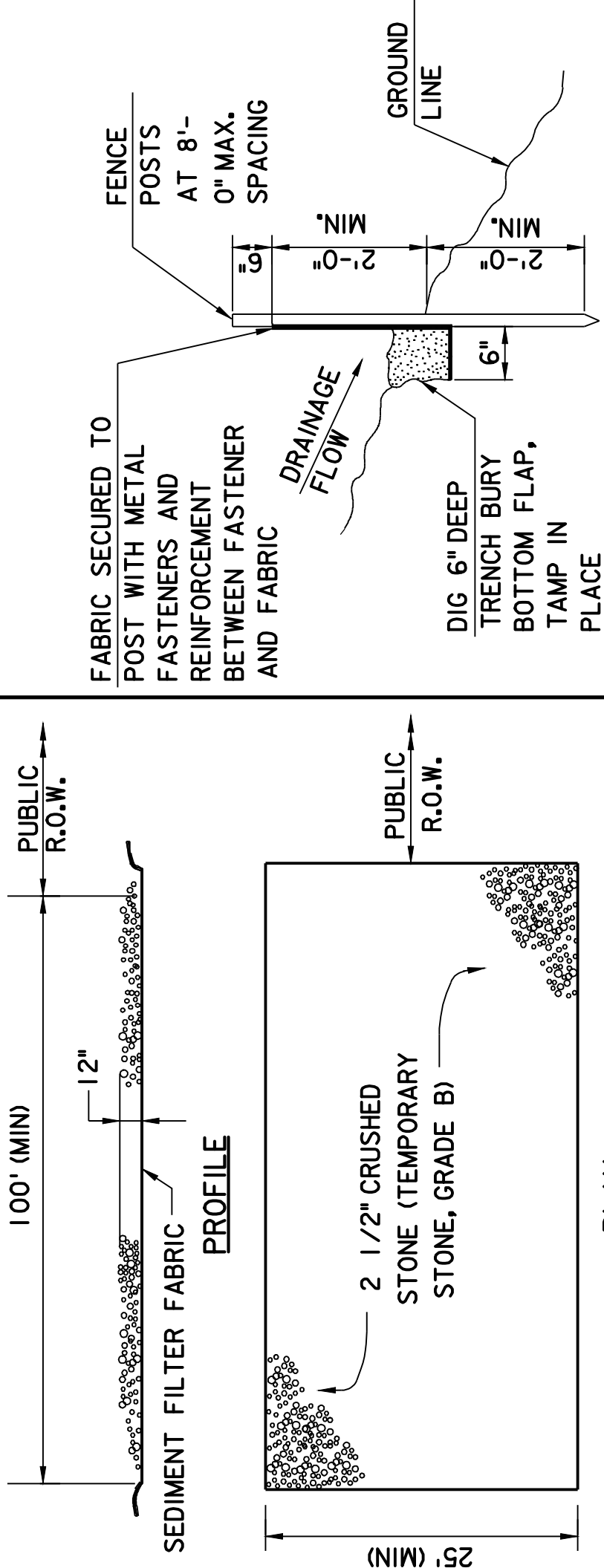
NEW JERSEY TURNPIKE AUTHORITY		19		69	
ROADWAY NAME		SCALE: NONE		DATE: MAY 2008	
PROJECT DESCRIPTION					
CONTRACT NO.					
DRAINAGE TABULATION SHEET -1-					
NAME OF CONSULTANT					
ADDRESS					
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX					
JOHN DOE					
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX					

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT STANDARD NOTES

GENERAL NOTES

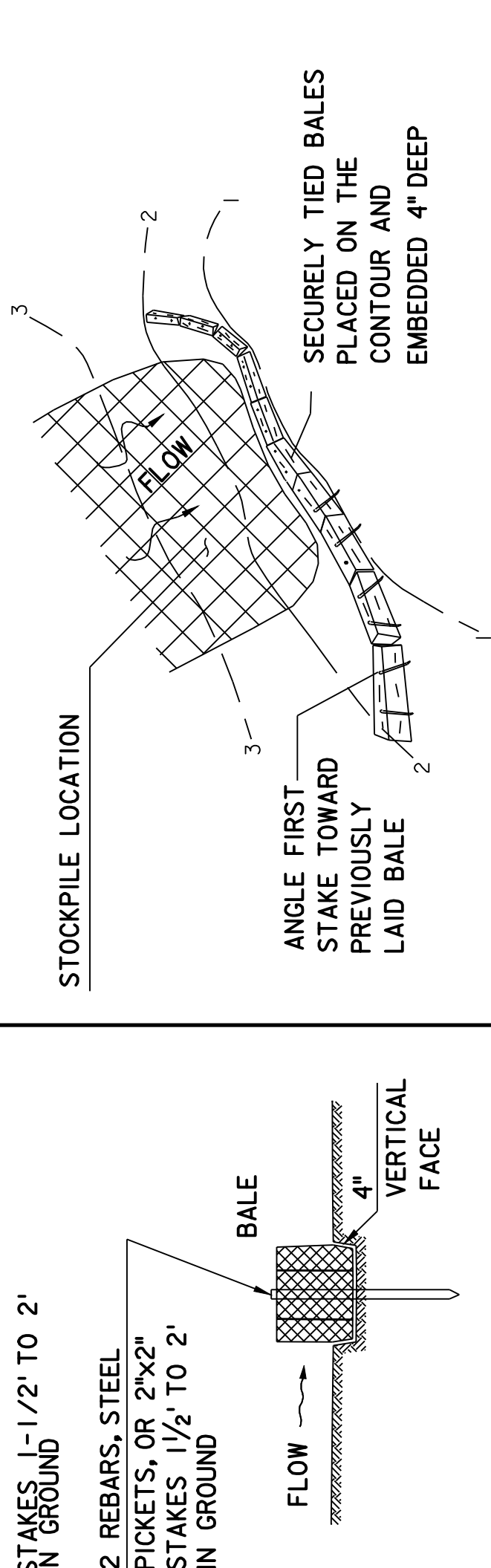
1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" (LAST REVISED IN JULY 1999). THESE MEASURES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ALL SOIL TO BE STOCKPILED FOR A PERIOD OF GREATER THAN 30 DAYS WILL BE TEMPORARILY SEEDED AND HAY MULCHED (OR HYDROSEDED).
(NOT APPLICABLE FOR MUCK EXCAVATION STOCKPILING WHICH IS TO BE COVERED WITH AN IMPERVIOUS LINER)
3. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND HAY MULCHED (OR HYDROSEDED) UNTIL PROPER WEATHER EXISTS FOR THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
4. SEEDING DATES: THE FOLLOWING SEEDING DATES ARE RECOMMENDED TO ESTABLISH PERMANENT VEGETATIVE COVER: SPRING - MARCH 15 - MAY 30
FALL - AUGUST 15 - OCTOBER 15
5. SEDIMENT FENCES ARE TO REMAIN IN PLACE AND MAINTAINED PROPERLY UNTIL PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED.
6. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED WITH GRAVEL FILTER, FABRIC FILT OR HAY BALES UNTIL VEGETATION AND PAVING HAS BEEN ESTABLISHED.
7. MULCH MATERIALS SHALL BE UNROTTED SALT HAY OR SMALL GRAIN STRAW APPLIED AT THE RATE OF AT LEAST 1.5 TONS PER ACRE (75 POUNDS PER 1000 SQUARE FEET). IN NO CASE SHALL MORE THAN FIVE DAYS (48 HOURS FOR THIS PROJECT) ELAPSE BETWEEN SEEDING AND MULCHING, OR BY HYDROSEEDING AS PER THE MANUFACTURES SPECIFICATIONS.
8. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
9. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED PERIODICALLY.
10. ALL STORM DRAINAGE OUTLET POINTS WILL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
11. THE HUDSON-ESSEX-PASSAIC SOIL EROSION CONSERVATION DISTRICT SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO ANY SOIL DISTURBANCE.
12. THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT OF COMPLIANCE STATING THAT ALL DISTURBED SOIL HAS BEEN PERMANENTLY STABILIZED. PLEASE GIVE THE DISTRICT ONE WEEK NOTICE TO SCHEDULE THIS INSPECTION.
13. A BOND WILL BE ACCEPTED BY THE DISTRICT TO ISSUE A TEMPORARY REPORT OF COMPLIANCE WHEN SNOW COVER PROHIBITS THE PROPER SEED, MULCH OR HYDROSEED APPLICATION.
14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT USE A FIRE OR GARDEN HOSE TO CLEAN ROADS, UNLESS RUNOFF IS DIRECTED TO A PROPER SEDIMENT BASIN.
15. ALL SURFACES ARE TO BE TREATED WITH SIX INCHES OF TOPSOIL PRIOR TO SEEDING.
16. ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW.
17. A CRUSHED STONE WHEEL CLEANING "TRACKING PAD" IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2 INCH STONE (TEMPORARY STONE, GRADE B) TO A LENGTH OF AT LEAST 100 FEET. ALL DRIVEWAYS MUST EXHIBIT THIS ITEM IN THE DRIVE DURING CONSTRUCTION.
18. MAXIMUM SIDE SLOPES SHALL NOT EXCEED 2:1 UNLESS APPROVED BY THE DISTRICT (1.5:1 SLOPES ARE PROPOSED ADJACENT TO THE MSE WALLS).
19. ALL DEWATERING OPERATIONS SHALL DISCHARGE INTO AN APPROVED SEDIMENT BASIN.
20. THE DISTRICT MUST BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF ANY BUILDING LOTS. NEW OWNER'S NAME(S), ADDRESS, AND PHONE NO. SHALL BE PROVIDED TO THE DISTRICT.



TES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE TRACKING PAD

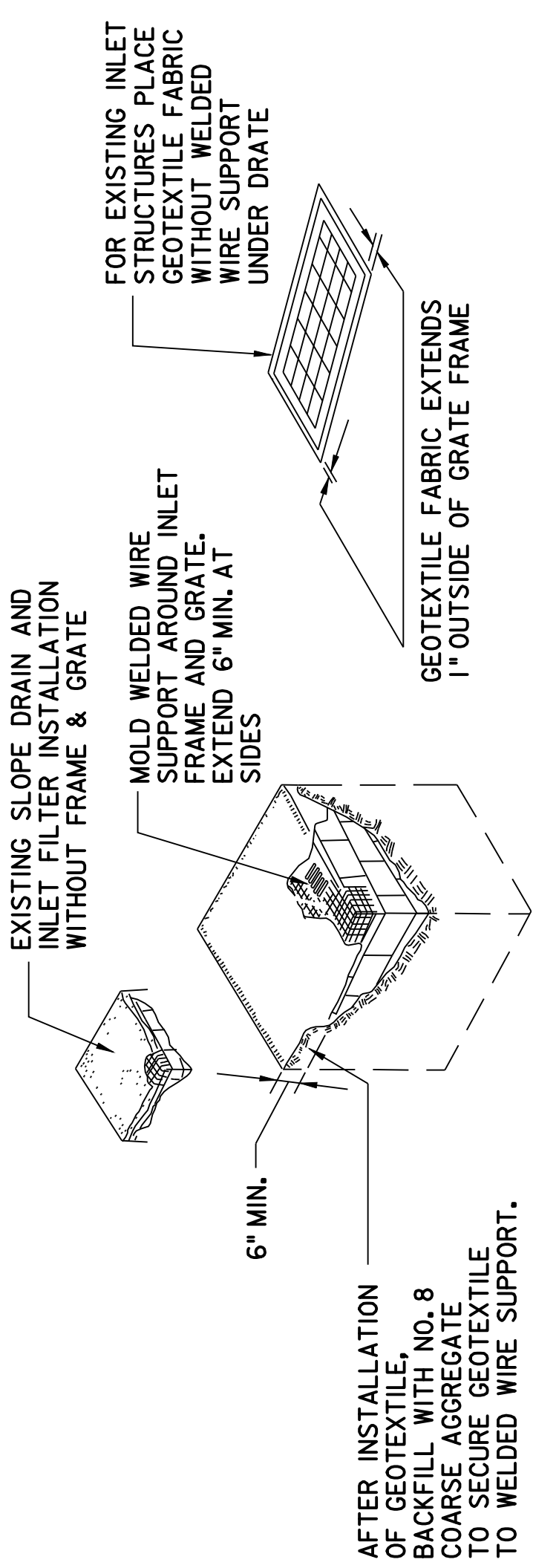


GENERAL CONSTRUCTION SEQUENCE

1. MAINTAIN TRACKING PADS AT ALL PROPOSED SITE ACCESS LOCATIONS.
2. MAINTAIN SILT FENCE INSTALLED BY PREVIOUS CONTRACT. INSTALL PROPOSED SILT FENCE AND OTHER SOIL EROSION AND SEDIMENT CONTROL ITEMS AT ALL LOCATIONS IN ACCORDANCE WITH THE CONTRACT PLANS AND APPROVED PERMITS.
3. SET UP CONSTRUCTION STAGING AREAS.
4. THERE WILL BE NO AVAILABLE ACCESS FROM ANY ROADWAYS OR CROSSING OF NEW JERSEY TRANSIT PROPERTY.

SIP-202

5. REMOVE EXISTING OVERBURDEN DOWN TO ROADWAY TEMPLATE GRADES AND RETURN EXCESS MATERIAL TO CONTRACTS SIP-103, SIP-301, SDE-401 AS DIRECTED BY ENGINEER. RE-INSTALL (RESET) SILT FENCE, ALONG EDGE OF SHOULDER. RE-INSTALL (RESET) ORANGE SNOW FENCE, ALONG EDGE OF SILT FENCE FOR FALL PROTECTION.
6. INSTALL PILES FOR PENHORN CREEK BRIDGE AND TOLL PLAZA TUNNEL, CANOPY, AND UTILITY BUILDING.
7. CONSTRUCT BRIDGE ABUTMENTS, SUPERSTRUCTURES, AND TOLL PLAZA FACILITIES.
8. CONSTRUCT ROADWAY FACILITIES INCLUDING DRAINAGE, UNDERGROUND SERVICE UTILITIES, SUBGRADE, BASE COURSE, PAVEMENTS, CONCRETE PANEL FACING AND PARAPETS FOR RETAINING WALL NUMBERS 1-4, LIGHTING, SIGNING AND STRIPING, AND LANDSCAPING IN THE VICINITY OF THE UTILITY BUILDING.



NEW CONSTRUCTION

INLET FILTERS

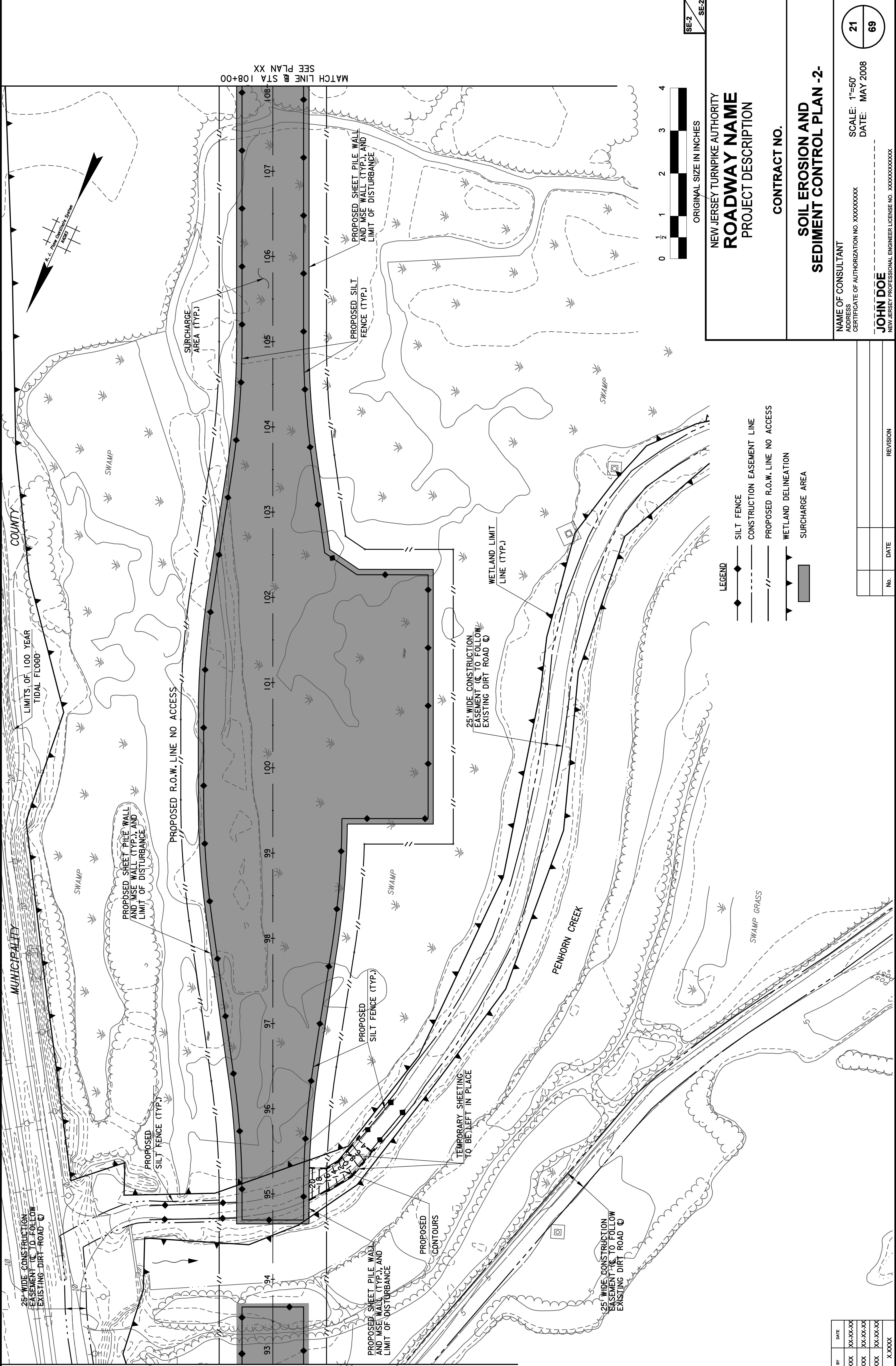
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TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

No.	DATE	REVISION

NAME OF CONSULTANT _____
ADDRESS _____
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX
SCALE: NONE
DATE: MAY 2008
20 69
JOHN DOE

[illegible]

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	



No.	DATE	REVISION	

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: 1"=50'

DATE: MAY 2008

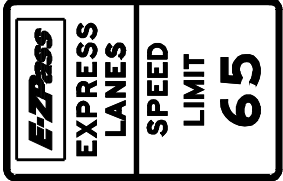

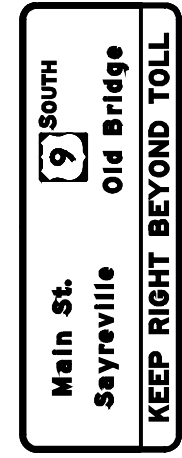


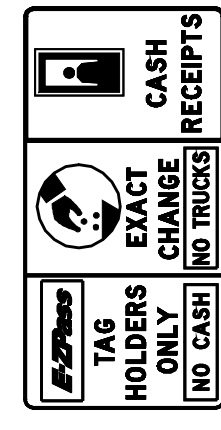
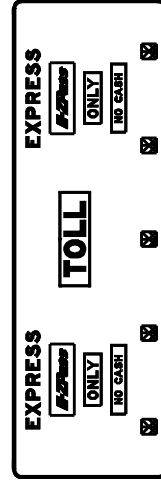
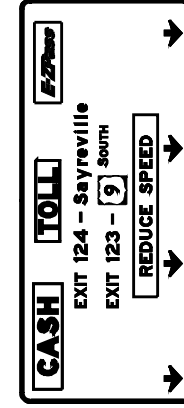
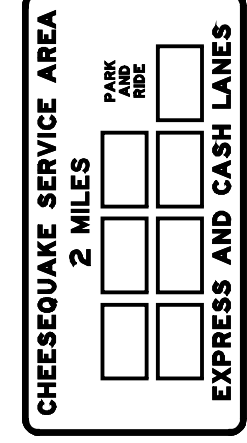
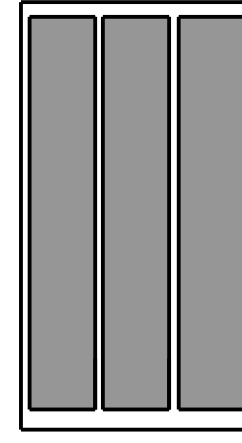
21

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JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXXX

[illegible]

CONTRACT SIGN NUMBER	CONTRACT SIGN LOCATION	NUMBER REQ'D.	LEGEND	SIGN PANEL						REMARKS
				SIZE		COPY		BACKGROUND		
				WIDTH	HEIGHT	COLOR	FINISH	COLOR	FINISH	
1	T1 T3	2		4'-8"	7'-2"	BLACK	NON-REFLECTIVE SHEETING	WHITE	REFLECTIVE SHEETING	REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
2	T2	1		17'-0"	2'-6"	WHITE	REFLECTIVE SHEETING	GREEN	REFLECTIVE SHEETING	SIGN POSTS BARRIER MOUNTED REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
3	T2	1		28'-0"	10'-0"	WHITE	REFLECTIVE SHEETING	GREEN	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
4	T4	1		21'-0"	2'-6"	BLACK	NON-REFLECTIVE SHEETING	WHITE	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
5	T4	1		21'-0"	2'-6"	BLACK	NON-REFLECTIVE SHEETING	WHITE	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
6	T4	1		21'-0"	10'-6"	WHITE	REFLECTIVE SHEETING	GREEN	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
7	T5	1		56'-0"	18'-0"	WHITE	REFLECTIVE SHEETING	GREEN	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
8	T5	1		46'-0"	18'-0"	WHITE	REFLECTIVE SHEETING	GREEN	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
9	T6	1		30'-0"	15'-0"	WHITE	REFLECTIVE SHEETING	BLUE	REFLECTIVE SHEETING	SIGN POSTS MOUNT ON OVERHEAD STRUCTURE REFER TO LAYOUT SHEETS FOR SIGN DIMENSION DETAILS
VMS	T6	0		18'-0"	7'-5"	-	-	-	-	SIGN POSTS MOUNT ON EXISTING OVERHEAD STRUCTURE 3 LINE VMS

BY

DATE

XXX XX-XX-XX

ED XXX XX-XX-XX

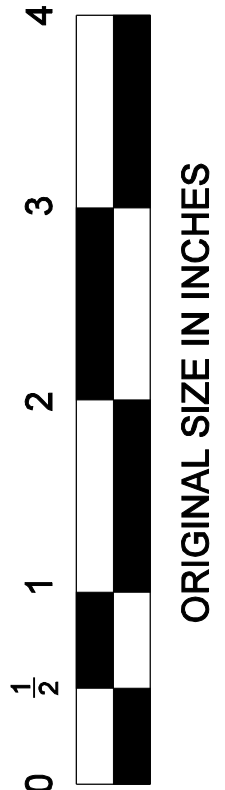
VED XXX XX-XX-XX

VED X XXXX

SIGN PANEL TABULATION

1. THE E-ZPass PURPLE BACKGROUND COLOR SHALL BE "PANTONE 259C."
2. FOR SMALLER LOGOS, REDUCE DIMENSIONS OF LARGER DETAILS UNIFORMLY.
3. THE MATERIAL FOR THE SIGN PANELS SHALL BE ALUMINUM ALLOY 5052-H38.
4. ALL SIGNS SHALL BE CONNECTED TOGETHER USING BACKING STRIPS BEFORE MOUNTING TO FRAME.
5. THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT OR THROUGH WRITTEN APPROVAL BY THE ENGINEER.
 - FHWA - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," MILLENNIUM EDITION, 2000 AND SUBSEQUENT REVISIONS. (M.U.T.C.D.)
 - AASHTO - "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS," 2004 AND SUBSEQUENT REVISIONS.
6. BACKGROUNDS, BORDERS, TEXTS, AND ALL OTHER ELEMENTS OF THE SIGN PANELS SHALL BE RETRO-REFLECTIVE, HIGH INTENSITY SHEETING, EXCEPT WHERE NOTED.
7. ALL APPROACH SIGNS ARE APPROXIMATELY LOCATED ON THE SIGNING PLANS. ANY CHANGES IN THE LOCATION OF SIGNS AS SHOWN ON THE SIGNING PLANS GREATER THAN 50' IN EITHER DIRECTION SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.
8. ALL APPROACH SIGN LOCATIONS WILL BE MARKED IN THE FIELD PRIOR TO INSTALLATION. NJTA WILL COMMENT ON LOCATIONS WITHIN TWO WEEKS OF RECEIPT OF WRITTEN MARKOUT NOTIFICATION.
9. VARIABLE MESSAGE PANEL (VMS) & VARIABLE ARROWS (SIGN NO. 7) TO BE PROVIDED AND INSTALLED AS PART OF THIS CONTRACT.
10. SHIELD AND ARROW DETAILS SHALL COMPLY WITH THE LATEST MUTCD, EXCEPT AS NOTED.
11. SEE SIGN PANEL LAYOUT SHEETS FOR SIGN PANELS AND E-ZPASS LOGO DETAILS.

CONTRACT SIGN NUMBER	CONTRACT SIGN LOCATION	NUMBER SIGN REQ'D.	TOTAL AREA	REMARKS
1	T1 T3	2	67	
2	T1	1	42.5	
3	T2	1	280	
4	T4	1	52.5	
5	T4	1	52.5	
6	T4	1	220.5	
7	T5	1	1008	
8	T5	1	828	
9	T6	1	450	
10	T6	1	285	
11	T7	1	65	
12	T8 T13	2	528	
13	T8 T14	2	528	
14	T8 T14	2	528	
15	T9 T10	2	40	
16	T11	1	468	
17	T12	1	630	
18	T13	1	756	
19	T15	1	336	
20	T11	1	1008	
			8173	S.F. SIGN PANEL



NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

SIGNING AND STRIPING SIGN DATA -1-

NAME OF CONSULTANT

ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX



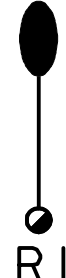
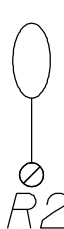
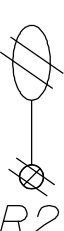







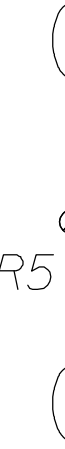
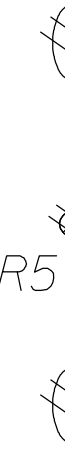

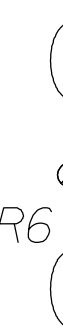




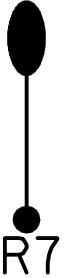
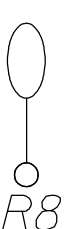
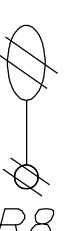



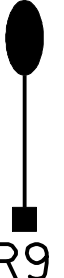



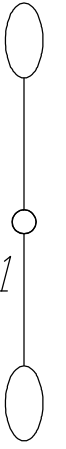
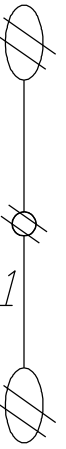
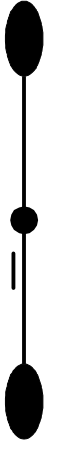









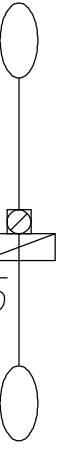
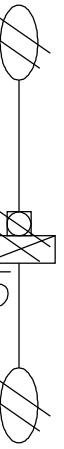

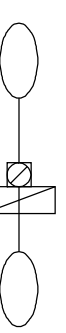
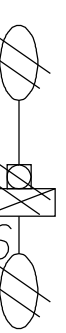

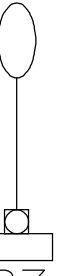
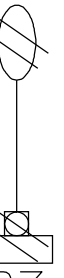
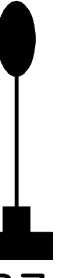



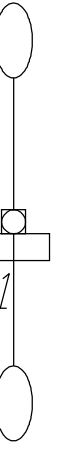
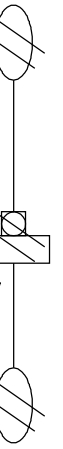

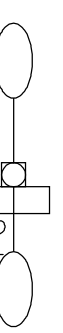
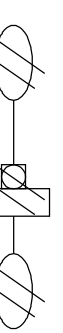

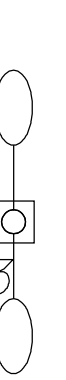
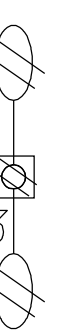

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXX

RETROFIT LIGHTING STANDARDS

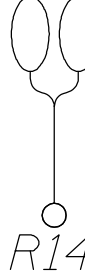
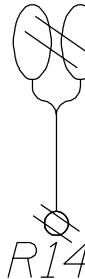



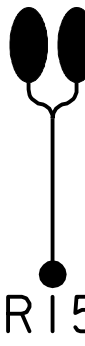


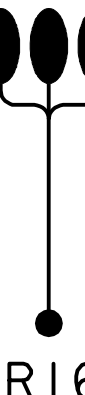
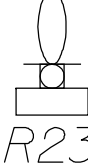
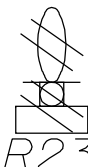

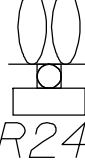
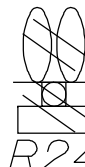

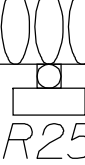
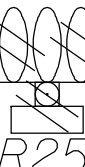




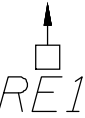
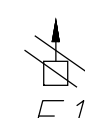
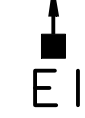
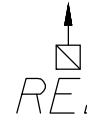
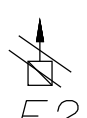
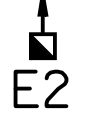
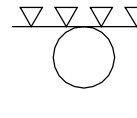
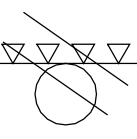
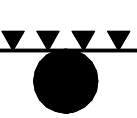
TYPE	DESCRIPTION
TYPE 1	LIGHTING STANDARD WITH 15' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE ON TYPE I, II, OR III CONCRETE BASE
TYPE 2	LIGHTING STANDARD WITH 8' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE ON TYPE I, II, OR III CONCRETE BASE
TYPE 3	LIGHTING STANDARD WITH 15' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE WITH PARAPET MOUNTING BRACKETS
TYPE 4	LIGHTING STANDARD WITH 8' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE WITH PARAPET MOUNTING BRACKETS
TYPE 5	LIGHTING STANDARD WITH TWO 15' ARMS, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE I, II, OR III CONCRETE BASE
TYPE 6	LIGHTING STANDARD WITH TWO 8' ARMS, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE I, II, OR III CONCRETE BASE
TYPE 7	LIGHTING STANDARD WITH 15' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE ON TYPE IV OR V CONCRETE BASE
TYPE 8	LIGHTING STANDARD WITH 8' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE ON TYPE IV OR V CONCRETE BASE
TYPE 9	LIGHTING STANDARD WITH 15' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE WITH PARAPET MOUNTING BRACKETS
TYPE 10	LIGHTING STANDARD WITH 8' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE WITH PARAPET MOUNTING BRACKETS
TYPE 11	LIGHTING STANDARD WITH TWO 15' ARMS, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE IV OR V CONCRETE BASE
TYPE 12	LIGHTING STANDARD WITH TWO 8' ARMS, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE IV OR V CONCRETE BASE
TYPE 1	LIGHTING STANDARD WITH 15' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE MOUNTED ON TYPE 1 JUNCTION BOX FOUNDATION
TYPE 2	LIGHTING STANDARD WITH 8' ARM, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE MOUNTED ON TYPE 1 JUNCTION BOX FOUNDATION
TYPE 5	LIGHTING STANDARD WITH TWO 15' ARMS, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES MOUNTED ON TYPE 1 JUNCTION BOX FOUNDATION
TYPE 6	LIGHTING STANDARD WITH TWO 8' ARMS, 30' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES MOUNTED ON TYPE 1 ON JUNCTION BOX FOUNDATION
TYPE 7	LIGHTING STANDARD WITH 15' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE MOUNTED ON TYPE 2 JUNCTION BOX FOUNDATION
TYPE 8	LIGHTING STANDARD WITH 8' ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRE MOUNTED ON TYPE 2 JUNCTION BOX FOUNDATION
TYPE 11	LIGHTING STANDARD WITH TWO 15' ARMS, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES MOUNTED ON TYPE 2 JUNCTION BOX FOUNDATION
TYPE 12	LIGHTING STANDARD WITH TWO 8' ARMS, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES MOUNTED ON TYPE 2 JUNCTION BOX FOUNDATION
TYPE 13	LIGHTING STANDARD WITH TWO 8' ARMS, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES WITH SHOE BASE MOUNTED ON BARRIER

SYMBOLS

EXISTING	REMOVAL	PROPOSED
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		

TYPE	DESCRIPTION
TYPE 14	LIGHTING STANDARD WITH 15' DOUBLE TENON ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE IV OR V CONCRETE BASE
TYPE 15	LIGHTING STANDARD WITH 20' DOUBLE TENON ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE IV OR V CONCRETE BASE
TYPE 16	LIGHTING STANDARD WITH 30' TRIPLE TENON ARM, 40' MOUNTING HEIGHT AND TYPE A, B, C, D LUMINAIRES ON TYPE IV OR V CONCRETE BASE (SEE NOTE 1)
TYPE 23	LIGHTING STANDARD WITH TYPE E EXPRESSWAY TYPE LUMINAIRE, 48' MOUNTING HEIGHT WITH TYPE 2 JUNCTION BOX FOUNDATION (IDENTICAL TO TYPE L-E-48)
TYPE 24	LIGHTING STANDARD WITH TYPE E2 EXPRESSWAY TYPE LUMINAIRE, 48' MOUNTING HEIGHT WITH TYPE 2 JUNCTION BOX FOUNDATION (IDENTICAL TO TYPE L-E2-48)
TYPE 25	LIGHTING STANDARD WITH TYPE E3 EXPRESSWAY TYPE LUMINAIRE, 48' MOUNTING HEIGHT WITH TYPE 2 JUNCTION BOX FOUNDATION (IDENTICAL TO TYPE L-E3-48)
TYPE 26	LIGHTING STANDARD WITH TYPE E EXPRESSWAY TYPE LUMINAIRE, 40' MOUNTING HEIGHT WITH PARAPET MOUNTING BRACKET (SHAFT SAME AS TYPE 9)
E1	TYPE E1 EMERGENCY LUMINAIRE, MOUNTED AS NOTED
E2	TYPE E2 EMERGENCY LUMINAIRE, MOUNTED AS NOTED
E3	FLOODLIGHTING TOWER, WITHOUT LOWERING DEVICE, NUMBER OF LUMINAIRES AND HEIGHT AS NOTED, WITH FOUNDATION

SYMBOLS

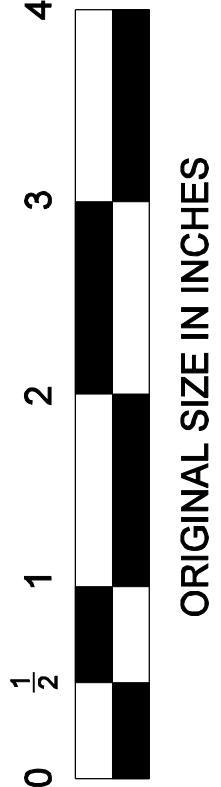
EXISTING	REMOVAL	PROPOSED
		
		
		
		
		
		
		
		
		
		

NOTES:

1. POLE DIMENSIONS ARE THE SAME FOR ALL LIGHT STANDARDS OF SAME NOMINAL MOUNTING HEIGHT, ALTHOUGH ACTUAL LUMINAIRE MOUNTING HEIGHT MAY DIFFER DUE TO TYPE OF MOUNT. FOR DETAILS, SEE STANDARD DRAWINGS.

NOTES TO ENGINEER

1. THESE NOTES TO ENGINEER SHALL NOT APPEAR ON PROJECT-SPECIFIC LEGEND.
2. CONTRACT DOCUMENTS SHOULD REFLECT ONLY THOSE SYMBOLS USED ON THE PROJECT.
3. LIGHTING STANDARDS AND OTHER ELECTRICAL EQUIPMENT SHOWN ON THIS SHEET SHALL BE USED FOR SELECT RETROFIT INSTALLATIONS ON THE TURNPIKE ONLY. SEE THE DESIGN MANUAL FOR MORE INFORMATION.
4. SYMBOLS FOR CUSTOM EQUIPMENT SHALL FOLLOW THE GENERAL CONVENTIONS SET FORTH FOR STANDARD SYMBOLS. ALL CUSTOM SYMBOLS SHALL BE APPROVED BY THE AUTHORITY PRIOR TO USE, AS DIRECTED IN THE DESIGN MANUAL.



NEW JERSEY TURNPIKE AUTHORITY

STANDARD ELECTRICAL LEGEND

-2-

5-08	DATE
0	No.

ORIGINAL SHEET

SAMPLE PLAN REVISION

No.	DATE	REVISION

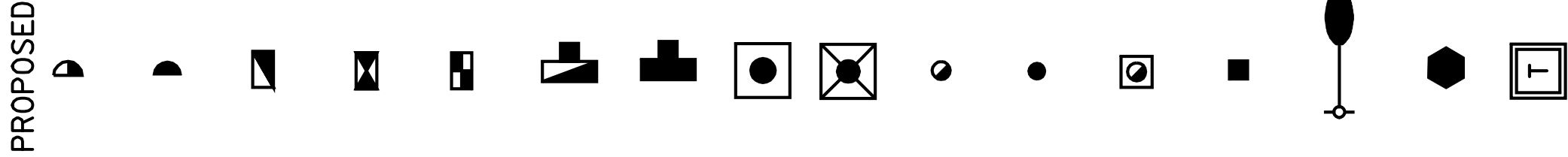
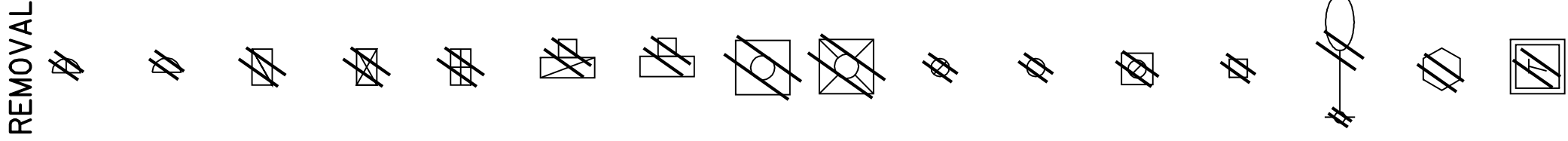
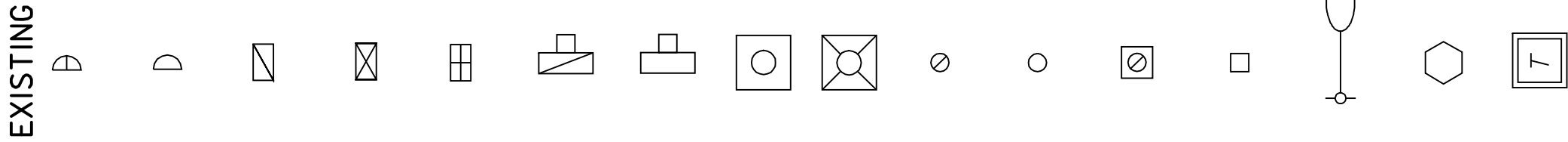
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DATE: MAY 2008

27
69

LIGHTING AND POWER DISTRIBUTION

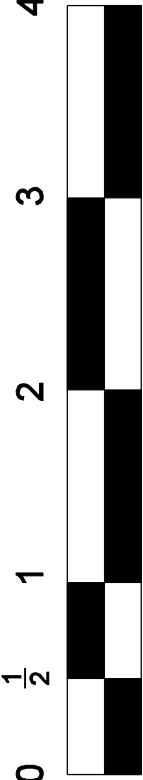
DESCRIPTION

- TYPE S UNDERBRIDGE LUMINAIRE, (STRUCTURE MOUNTED)
- TYPE W UNDERBRIDGE LUMINAIRE, (WALL MOUNTED)
- TYPE C (PRE-CAST) OR CS (CAST-IN-PLACE) CONCRETE JUNCTION BOX
- TYPE B JUNCTION BOX, ON STRUCTURE (PARAPET OR WALKWAY)
- TYPE D JUNCTION BOX, ON STRUCTURE (BARRIER JUNCTION BOX)
- TYPE I JUNCTION BOX FOUNDATION
- TYPE 2 JUNCTION BOX FOUNDATION
- LIGHTING ELECTRICAL MANHOLE (STANDARD)
- LIGHTING ELECTRICAL MANHOLE (SPECIAL)
- TYPE I, II, OR III CONCRETE BASE FOR LIGHTING STANDARD
- TYPE IV, OR IV CONCRETE BASE FOR LIGHTING STANDARD (RETROFIT ONLY)
- FOUNDATION FOR SHOE BASE MOUNTED LIGHTING STANDARD
- PARAPET MOUNTING BRACKET FOR LIGHTING STANDARD (RETROFIT ONLY)
- UTILITY POLE LUMINAIRE, ARM LENGTH, WATTAGE AND TYPE AS NOTED ON PLAN
- AVIATION OBSTRUCTION LIGHT (NO. AS REQUIRED)
- TRANSFORMER STATION



SYMBOLS

- NOTES TO ENGINEER
1. THESE NOTES TO ENGINEER SHALL NOT APPEAR ON PROJECT-SPECIFIC LEGEND.
 2. CONTRACT DOCUMENTS SHOULD REFLECT ONLY THOSE SYMBOLS USED ON THE PROJECT.
 3. SYMBOLS FOR CUSTOM EQUIPMENT SHALL FOLLOW THE GENERAL CONVENTIONS SET FORTH FOR STANDARD SYMBOLS. ALL CUSTOM SYMBOLS SHALL BE APPROVED BY THE AUTHORITY PRIOR TO USE, AS DIRECTED IN THE DESIGN MANUAL.



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY

STANDARD ELECTRICAL LEGEND
-3-

SCALE: NONE
DATE: MAY 2008

28
69

NJTA LIGHTING AND POWER DISTRIBUTION

DESCRIPTION OF ITEMS

- 3" CABLE DUCT
- 3" RIGID NONMETALLIC CONDUIT, PVC-UTILITY GRADE (SEE NOTE 1)

- 3" RIGID NONMETALLIC CONDUIT, PVC-SCHEDULE 40 (SEE NOTE 1)

- 3" NONMETALLIC CONDUIT, PVC-SCHEDULE 80 (SEE NOTE 1)

- 3" RIGID NONMETALLIC CONDUIT, ASBESTOS CEMENT (SEE NOTE1)

- 3" RIGID METALLIC CONDUIT, GALVANIZED STEEL (SEE NOTE 1 & 2)

- 3" RIGID METALLIC CONDUIT, GALVANIZED WROUGHT IRON OR CORROSION RESISTANT STEEL (SEE NOTE 1)

- 3" RIGID METALLIC CONDUIT, ON STRUCTURES (SEE NOTE 1)

- 3" RIGID METALLIC CONDUIT, EXPOSED (SEE NOTES 1 & 3)

- MULTIPLE 3" CABLE DUCTS (NO. OF DUCTS AS NOTED (SEE NOTE 4)

- MULTIPLE 3" CONDUIT (NO. AND TYPE OF CONDUITS AS SHOWN, USE APPROPRIATE SYMBOL)(SEE NOTES 1 & 4)

- MULTIPLE 3" CONDUIT BANK, CONCRETE ENCASED (NO. AND TYPE OF CONDUITS AS SHOWN- USE APPROPRIATE CONDUIT SYMBOL) (SEE NOTES 1 & 4)

- COMMUNICATIONS CABLE, DIRECTLY BURIED (NO. OF PAIRS AS NOTED)

- COMMUNICATIONS CABLE IN CONDUIT (NO. OF PAIRS AS NOTED - USE APPROPRIATE CONDUIT SYMBOLS)

- CONTROL CABLE, DIRECTLY BURIED (NO. OF CABLES AS NOTED)

- CONTROL CABLE IN CONDUIT (NO. OF CONDUCTORS AS NOTED - USE APPROPRIATE CONDUIT SYMBOL)

- LEAD TRUNK CABLE, DIRECTLY BURIED (NO. OF CABLES-LT-PAIRS PER CABLE)

- LEAD TRUNK CABLE, IN CONDUIT (USE APPROPRIATE CONDUIT SYMBOL) (NO. OF CABLES-LT-PAIRS PER CABLE)

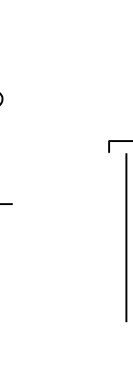
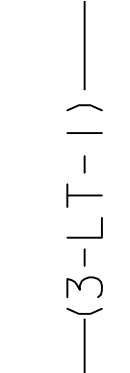
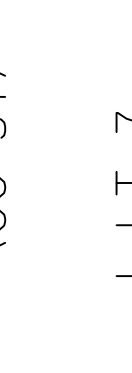
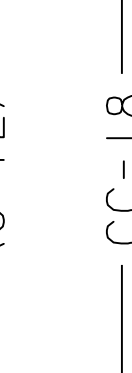
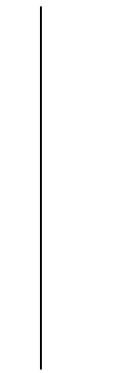
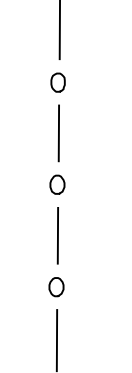
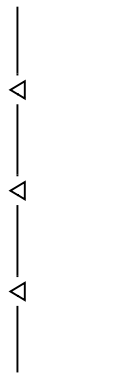
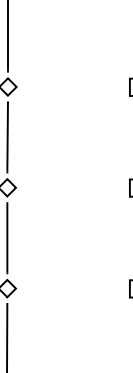
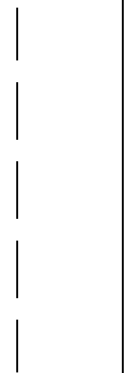
- CONDUIT ADAPTOR BETWEEN DISSIMILAR CONDUITS

- CAPPED CONDUIT

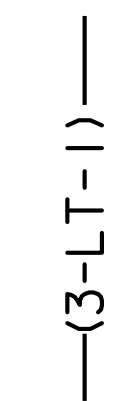
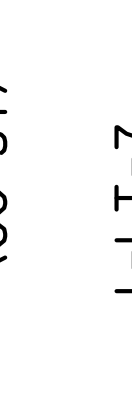
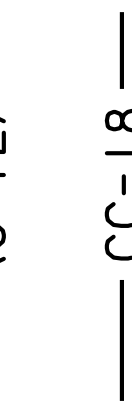
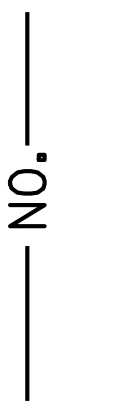
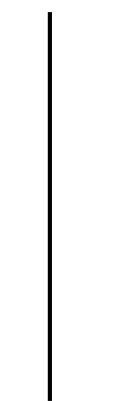
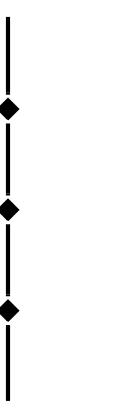
- RELOCATED EXISTING ITEMS

SYMBOLS

EXISTING



PROPOSED



TYPICAL NOTATIONS

- 3 - LIGHTING STANDARD / LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER (MULTIPLE LIGHTING SYSTEM)
- C - PHASE CONNECTION
- A - LUMINAIRE TYPE
- 150 - LUMINAIRE WATTAGE
- 145+50 - STATION

- TO - LIGHTING STANDARD / LUMINAIRE NUMBER
- B - LOOP CIRCUIT DESIGNATION (SERIES LIGHTING SYSTEM)
- 8N - TRANSFORMER STATION
- SC - LUMINAIRE TYPE
- 200 - LUMINAIRE WATTAGE
- 209+72 - STATION

- * TO BE FILLED PER ABOVE FOR EXISTING LIGHTING STANDARDS

- 4, 5, 6 - LIGHTING STANDARD / LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER
- A, B, C, - PHASE CONNECTIONS
- E - LUMINAIRE TYPE
- 400 - LUMINAIRE WATTAGE
- 60 - DEGREE OF TILT
- 1042+73 - STATION

- UB3 - UNDERBRIDGE LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER
- A - PHASE CONNECTION
- W - LUMINAIRE TYPE
- 150 - LUMINAIRE WATTAGE

- 2" - CONDUIT SIZE (NOT REQUIRE FOR 3"CONDUIT)
- 4 - NUMBER OF CABLES
- 6 - SIZE OF CABLES
- (1) - CIRCUIT NUMBER

- * TO BE FILLED PER ABOVE

- PROPOSED 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 40) WITH 4#2 (CIRC.#3) MULTIPLE LIGHTING CABLES AND #8 GND

- EXISTING 2" RIGID METALLIC CONDUIT (GALVANIZED STEEL) WITH EXISTING 3#8 (CIRC.#4) MULTIPLE LIGHTING CABLES AND #8 GND

- PROPOSED 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 80) WITH 4#2/0 (CIRC.#5) AND 2#6 (CIRC.#7) MULTIPLE LIGHTING CABLES AND #4 GND

- EXISTING 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 40) WITH EXISTING 4#2/0 (CIRC.#3) AND EXISTING #2 GND AND PROPOSED 2#6 (CIRC.#7) CABLES

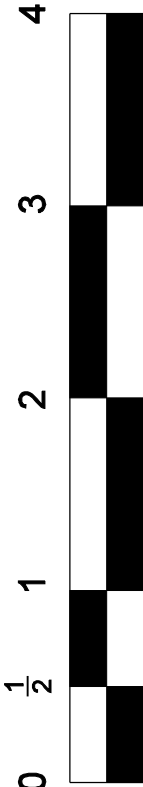
- PROPOSED 3" RIGID METALLIC CONDUIT (GALVANIZED STEEL) WITH 2#8 (LOOP-A) AND 2#8 (LOOP-B) SERIES LIGHTING CABLES

NOTES:

- CONDUIT SYMBOL SHOWN FOR 3" SIZE IS ALSO TO BE USED FOR OTHER SIZES, AS PROPERLY IDENTIFIED.
- IF A SEGMENT OF CONDUIT IS TO BE INSTALLED BY JACKING, AN APPROPRIATE NOTE SHOULD BE POINTED TO THE CONDUIT SYMBOL.
- THIS SYMBOL SHOULD ALSO BE USED TO REPRESENT SHORT CONDUIT SECTIONS WHICH CAN NOT BE CLEARLY SHOWN BY THE OTHER CONDUIT SYMBOLS. IN SUCH CASES, THE TYPE AND SIZE OF CONDUITS SHOULD BE NOTED.
- WHEN THIS SYMBOL IS USED, A SECTION OF BANKED CONDUITS SHOULD BE SHOWN, AND EACH CONDUIT AND THE CABLES THEREIN BE PROPERLY IDENTIFIED.
- IN ORDER THAT THE SYMBOLS WILL BE LEGIBLE WHEN PLANS ARE REDUCED TO HALF SIZE, SUFFICIENTLY LARGE SYMBOLS WITH CONTRASTING LINE WEIGHTS SHOULD BE USED.
- LIGHTING STANDARD OR LUMINAIRE NO. MUST BE CONNECTED TO SINGLE POLE CIRCUIT BREAKER.

NOTES TO ENGINEER

- THESE NOTES TO ENGINEER SHALL NOT APPEAR ON PROJECT-SPECIFIC LEGEND.
- CONTRACT DOCUMENTS SHOULD REFLECT ONLY THOSE SYMBOLS USED ON THE PROJECT.
- SYMBOLS FOR CUSTOM EQUIPMENT SHALL FOLLOW THE GENERAL CONVENTIONS SET FORTH FOR STANDARD SYMBOLS. ALL CUSTOM SYMBOLS SHALL BE APPROVED BY THE AUTHORITY PRIOR TO USE, AS DIRECTED IN THE DESIGN MANUAL.



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY

STANDARD ELECTRICAL LEGEND

-4-













SCALE: NONE
DATE: MAY 2008

29
69

ROADWAY LIGHTING LEGEND

ROADWAY LIGHTING ABBREVIATIONS

GENERAL NOTES

SYMBOLS	
EXISTING	PROPOSED
 <p>NOMINAL MOUNTING HEIGHT</p>	 <p>40</p>
	 <p>40</p>
	
 <p>26</p>	 <p>26</p>
	
	

ROADWAY LIGHTING LEGEND	
	DESCRIPTION
	TYPE L-MG-40 LIGHTING STANDARD WITH POLE TOP TYPE P2 TOP LUMINAIRE AND MOUNTED ON TYPE 1 JUNCTION BOX FOUNDATION
	TYPE L-MG-40-58 LIGHTING STANDARD WITH POLE TOP TYPE P2 LUMINAIRE WITH SHOE BASE, MOUNTED TO LIGHTING BLISTER.
	LIGHTING STANDARD ASSEMBLY, TYPE L-B-40-CF-Y WITH TYPE 3 CUTOFF NUDOT CONVENTIONAL LUMINAIRE AND JUNCTION BOX FOUNDATION (SEE NUDOT STD ELECTRICAL DETAILS L-01 & L-04)
	LIGHTING STANDARD ASSEMBLY, TYPE L-15-40-CF-X OR L-15-40-CF-Y UNLESS OTHERWISE NOTED WITH TYPE 3 CUTOFF NUDOT CONVENTIONAL LUMINAIRE AND JUNCTION BOX FOUNDATION (SEE NUDOT STD ELECTRICAL DETAILS L-01 & L-04)
	TYPE L-MG2-26 LIGHTING STANDARD WITH TWO POLE TOP TYPE P2 LUMINAIRES AND MOUNTED ON TYPE 1 JUNCTION BOX FOUNDATION
	LIGHTING STANDARD ASSEMBLY, TYPE L-F-S-40-CF-Y WITH TOP MOUNT MONGOOSE LUMINAIRE MOUNTED AT 40 FEET ABOVE ROADWAY AND JUNCTION BOX FOUNDATION (SEE DETAIL SHEET ATTACHED)
	TYPE L-HR8-100 HIGH MAST LIGHTING STANDARD WITH RING ASSEMBLY LOWERING DEVICE, 8-4000W, HP'S, TYPE 5 LUMINAIRES MOUNTED ON CUSTOM FOUNDATION

ROADWAY LIGHTING ABBREVIATIONS	
1.	
2.	
3.	
4.	
5.	
6.	
A	AMPS
AWG	AMERICAN WIRE GAUGE
C.I.	CAST IRON
CKT/S	CIRCUIT/S
CONC.	CONCRETE
CUG	CONDUIT UNDER GROUND
CUR	CONDUIT UNDER ROAD
EB	EAST BOUND
FT	FEET
GND	GROUND WIRE
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
IN	INCHES
JB	JUNCTION BOX
JBF	JUNCTION BOX FOUNDATION
KW	KILOWATT
LAA	LIGHTING ARM ASSEMBLY
LSA	LIGHTING STANDARD ASSEMBLY
LC	LOAD CENTER

GENERAL NOTES

THE CONTRACTOR SHALL STAKE OUT ALL CONDUIT RUNS, JUNCTION BOXES, FOUNDATIONS FOR THE ENGINEER'S APPROVAL PRIOR TO THE INSTALLATION.











THE CONTRACTOR IS HEREBY ADVISED THAT THERE ARE NUMEROUS EXISTING ROADWAY LIGHTING AND COMMUNICATION CONDUITS, CABLES AND OTHER UTILITY FACILITIES IN THE AREAS UNDER CONSTRUCTION IN THIS CONTRACT THAT ARE NEEDED FOR THE INTERIM/FINAL CONDITIONS. ANY SUCH FACILITIES DAMAGED OR DISTURBED AS A RESULT OF THIS WORK SHALL BE REPLACED AND/OR REPAIRED TO THE ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR AND AT NO ADDITIONAL COST TO THE AUTHORITY OR THIS CONTRACT.

THE CONTRACTOR SHALL ONLY SPLICE IN POLE BASES AND JUNCTION BOXES.











INFORMATION ABOUT EXISTING FACILITIES HAS BEEN OBTAINED FROM EXISTING AVAILABLE PLANS. FOR MORE INFORMATION ON EXISTING FACILITIES, CONTRACTOR SHALL OBTAIN AS-BUILT PLANS FROM THE TURNPIKE AUTHORITY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING LIGHTING FACILITIES IN THE FIELD PRIOR TO START OF HIGHWAY LIGHTING CONSTRUCTION. THE COST OF FIELD VERIFICATION IS INCIDENTAL TO ELECTRICAL BID ITEMS AND NO SPECIFIC PAYMENT FOR FIELD VERIFICATIONS WILL BE MADE. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR FURTHER ACTION.

REMOVE/ABANDON THE EXISTING LIGHTING FACILITIES WHICH ARE NOT PART OF THE PROPOSED PERMANENT LIGHTING DESIGN, UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.

NO SPECIFIC PAYMENT WILL BE MADE FOR REMOVING/ABANDONING EXISTING HIGHWAY LIGHTING FACILITIES UNLESS OTHERWISE SHOWN ON THE PLANS. ALL COST SHALL BE INCLUDED INTO BID PAY ITEM EITHER "ROADWAY EXCAVATION" OR "REMOVE AND SALVAGE

R2

R2

METER CABINET FOUNDATION (SEE NJDOT STD ELECTRICAL DETAIL L-07)

TYPE 2 LIGHTING STANDARD WITH 8' ARM, 30" MOUNTING
HEIGHT AND TYPE B LUMINAIRE ON TYPE II CONCRETE BASE

JUNCTION BOX FOUNDATION (SEE NJDOT STD ELECTRICAL DETAIL L-05)

18" x 36" JUNCTION BOX (SEE NJDOT STD ELECTRICAL DETAILS L-05 & L-06)

JUNCTION BOX FOUNDATION, TYPE I (NJTA)

TYPE C CONCRETE JUNCTION BOX (NJTA)

TYPE D JUNCTION BOX ON STRUCTURE (NJTA)

ROADWAY LIGHTING MANHOLE

FIXED SURVEILLANCE CAMERA

PAN TILT ZOOM SURVEILLANCE CAMERA

14 - LUMINAIRE NUMBER

MHL	METAL HALIDE	10.
MM	MILLIMETERS	
MTG	MOUNTING	
NEC	NATIONAL ELECTRICAL CODE	
NJDOT	NEW JERSEY DEPARTMENT OF TRANSPORTATION	11.
NJTA	NEW JERSEY TURNPIKE AUTHORITY	
N.T.S.	NOT TO SCALE	
P.F.	POWER FACTOR	12.
PTZ	PAN TILT ZOOM	
RH	RAMP H	
RL	ROADWAY LIGHTING	13.
RMC	RIGID METALLIC CONDUIT	
RNMC	RIGID NONMETALLIC CONDUIT	
RS	RADIO STATION	
RT	RIGHT	
SBM	SHOE BASE MOUNT	
SDWK	SIDEWALK	14.
STA.	STATION	
STD	STANDARD	
T.B.R.	TO BE REMOVED	
TYP	TYPICAL	
V	VOLT	

AND SIZE ARE NOTED.

REFER TO NJDOT STANDARD ELECTRICAL DETAILS AND SPECIFICATIONS FOR ALL ELECTRICAL EQUIPMENT REMOVAL AND INSTALLATION ON THE ROADWAY OTHER THAN NEW JERSEY TURNPIKE RAMPS AND PLAZA.

REFER TO NJ TURNPIKE AUTHORITY ELECTRICAL STANDARDS AND SPECIFICATIONS FOR ALL ELECTRICAL EQUIPMENT REMOVAL AND INSTALLATION ON NEW JERSEY TURNPIKE RAMPS AND PLAZA.

FOR JURISDICTION LIMITS, REFER TO JURISDICTIONAL LIMIT MAP PLANS.

DURING CONSTRUCTION SEQUENCE CONTRACTOR SHALL MAINTAIN ALL EXISTING LIGHTING STANDARDS UNTIL THEIR REPLACEMENT OF PROPOSED LIGHTING IS OPERATIONAL. IF DURING THE CONSTRUCTION SEQUENCE, IT IS NECESSARY TO REMOVE PART OF EXISTING WIRING SYSTEM, CONTRACTOR SHALL PROVIDE TEMPORARY WIRING TO THOSE EFFECTED LIGHTING UNITS IN ORDER TO MAINTAIN THE EXISTING LIGHTING IN OPERATION UNTIL THEIR REPLACEMENT OF PERMANENT LIGHTING IS IN PLACE AND OPERATIONAL. INSTALLATION OF TEMPORARY WIRING SHALL MEET THE NJ TURNPIKE AUTHORITY ELECTRICAL STANDARDS AND NEC-ALL COST RELATED TO PROVIDING TEMPORARY WIRING TO EXISTING LIGHTING SHALL BE INCLUDED INTO LUMP SUM PRICE OF BID PAY ITEM "REMOVE AND SALVAGE EXISTING FACILITIES".

CONTRACTOR SHALL NOT DISTURB ANY EXISTING LIGHTING TO REMAIN EXISTING LIGHTING SHALL BE OPERATIONAL CONTINUOUSLY DURING NIGHT TIME HOURS AND INCLEMENT WEATHER, UNLESS OTHERWISE NOTED ON THE PLANS (SEE SPECIFICATIONS).

No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

EXISTING

$2'' - RH(1, 2)$

—◇—◇—

—□—□—

PROPOSED

$2'' - RH(1, 2)$

—◆—◆—

—■—■—

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X XXXX	

ACCESSORIES OR MODS

TWIN

SHOE

NOMINAL LUMINAIRE MOUNTING HEIGHT FROM BASE

LIGHTING STANDARD

8-40-T-SB

LUMINAIRE MOUNTING TYPE

<p>*2 - SIZE OF CABLE IN AWG (1, 2) - CIRCUIT NUMBERS RH - LOAD CENTER (BLANK) - INTERCHANGE 16W PANEL</p>	<p>3" RIGID NONMETALLIC CONDUIT, PVC-SCH 40 (NJT-A)</p> <p>3" RIGID NONMETALLIC CONDUIT, PVC SCH 80 (NJT-A)</p> <p>3" RIGID METALLIC CONDUIT, ON STRUCTURE (NJT-A)</p> <p>1 1/2" PVC COATED GALVANIZED CONDUIT, EXPOSED (NJT-A, UNDERBRIDGE ITEM)</p> <p>3" RIGID NONMETALLIC CONDUIT (NUDOT)</p>	<p>ORIES NIFIERS</p>
<p>TYPICAL LUMINAIRE TYPE DESIGNATION</p>	<p>BASE RE</p>	

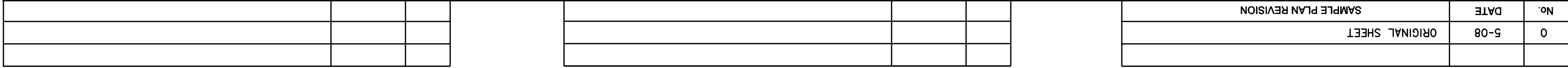
TABLE I					
SIGN SUPPORT NUMBER	GO SIGN NUMBER	NUMBER OF FIXTURES	TILT (DEGREES)	DIMENSION (MM)	
				SPACE "A"	SPACE "B"
CA-1 (0204-220)	GO-7	2	0	13'-2"	3'-2"
CA-2 (0204-221)	EXIST. PNL	3	0	7'-7"	1'-11"

PHOTOMETRIC DATA TABLE II ILLUMINATION REQUIREMENTS					
GO SIGN NUMBER	AVE. FC	MAX. FC	MIN. FC	UNIFORMITY	SIZE OF SIGN
				RATIO MAX. $\frac{1}{2}$ MIN.	
GO-7	26.92	40.95	14.62	2.8:1	19'-7"
EXIST. PNL	33.18	55.74	12.99	4.3:1	19'-0"

SIGN LIGHTING REQUIREMENTS

No.		DATE

[illegible]



NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

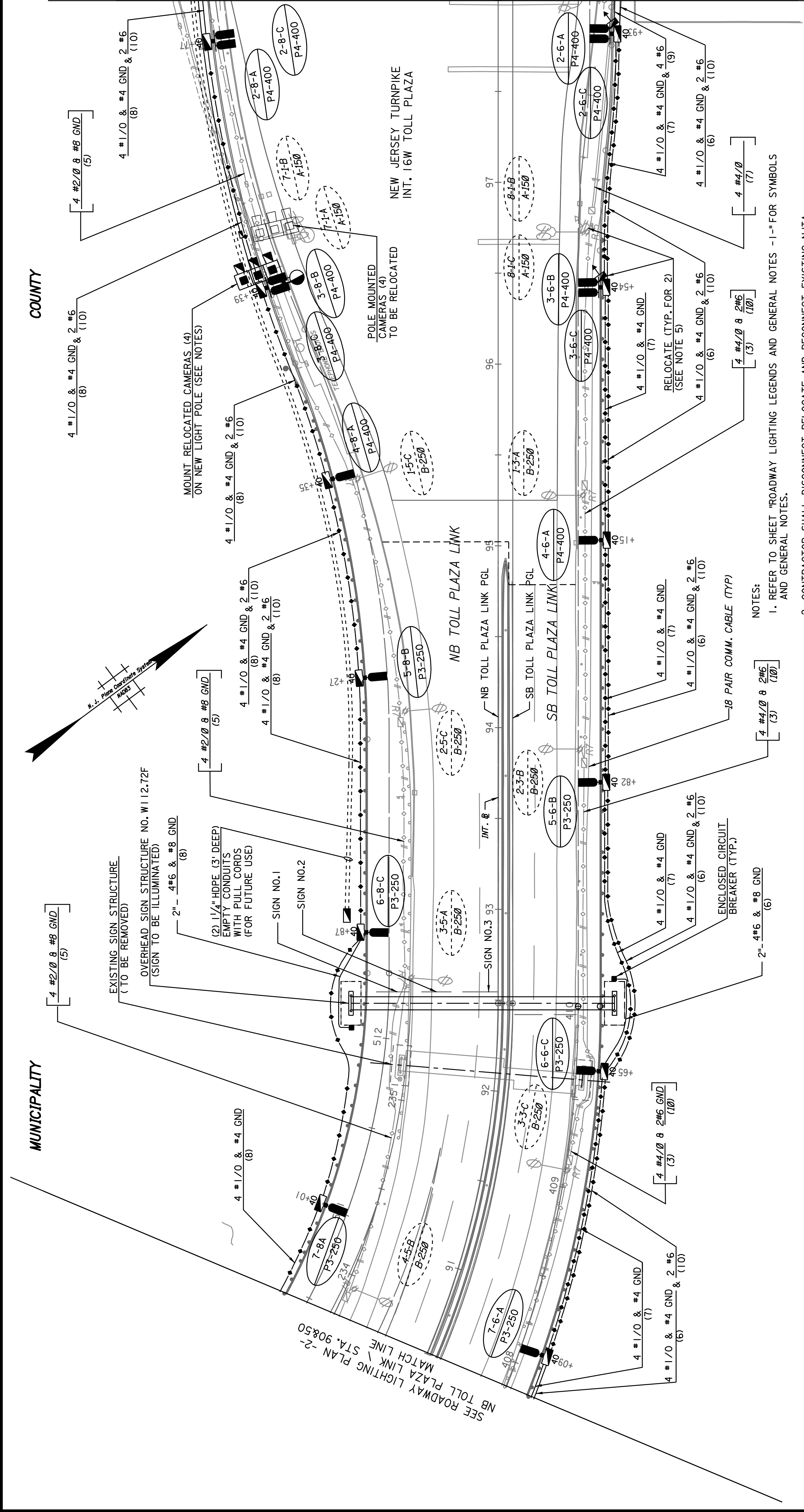
ROADWAY LIGHTING PLAN -1-

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

LE NAME: XXXXXX

[illegible]

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	



NOTES:

1. REFER TO SHEET "ROADWAY LIGHTING LEGENDS AND GENERAL NOTES - I-" FOR SYMBOLS AND GENERAL NOTES.

2. CONTRACTOR SHALL DISCONNECT, RELOCATE AND RECONNECT EXISTING NJTA CAMERAS (3 FIXED & 1 PTZ), ONE WIRELESS TRANSMITTER, ONE POLE MOUNTED JUNCTION BOX AND ONE MODEM ENCLOSURE FROM EXISTING LIGHT POLE TO BE REMOVED TO NEW LIGHT POLE AS DESCRIBED IN THE SPECIFICATIONS.
3. CONTRACTOR SHALL COORDINATE WITH NEW JERSEY TURNPIKE AUTHORITY'S OFFICIALS FOR RELOCATION OF THE CAMERAS, BELOW IS THE CONTACT INFO

NAME: BRIAN MORRISSEY
TECHNOLOGY MANAGER
NJ TURNPIKE AUTHORITY
CELL: (732) 718-5154
4. CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY LUMINAIRE TO NEW LIGHT POLE LOCATION AS SHOWN ON THE PLANS AND SPECIFIED IN THE SPECIFICATIONS.
5. CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY LUMINAIRE TO NEW LIGHTPOLE LOCATION AS SHOWN ON THE PLANS, AND SPECIFIED IN THE SPECIFICATIONS. RELOCATED EMERGENCY LIGHTING SHALL BE CONNECTED TO EMERGENCY CIRCUIT NO. 9.
6. COMMUNICATION CABLE SHALL BE ABANDONED.

NAME: BRIAN MORRISSEY
TECHNOLOGY MANAGER
NJ TURNPIKE AUTHORITY
CELL: (732) 718-5154

4. CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY LUMINAIRE TO NEW LIGHT POLE LOCATION AS SHOWN ON THE PLANS AND SPECIFIED IN THE SPECIFICATIONS.
5. CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY LUMINAIRE TO NEW LIGHTPOLE LOCATION AS SHOWN ON THE PLANS AND SPECIFIED IN THE SPECIFICATIONS. RELOCATED EMERGENCY LIGHTING SHALL BE CONNECTED TO EMERGENCY CIRCUIT NO. 9.
6. COMMUNICATION CABLE SHALL BE ABANDONED.

No.	DATE	REVISION			

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: 1" = 30'

DATE: MAY 2008

34

69

JOHN DOE

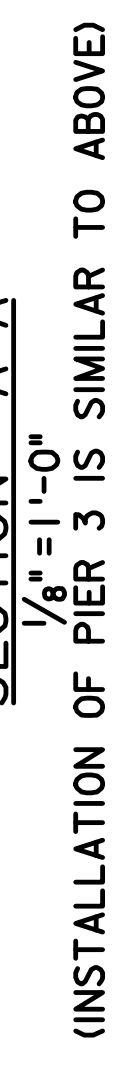
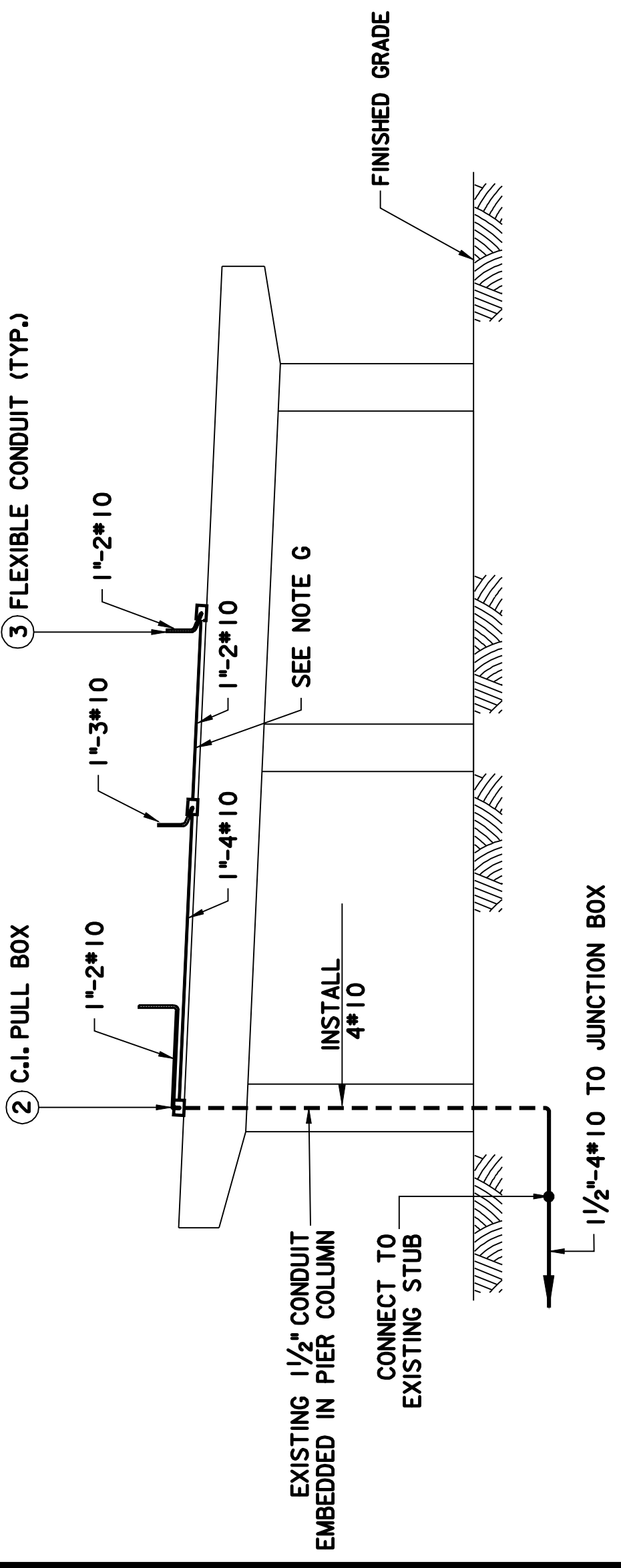
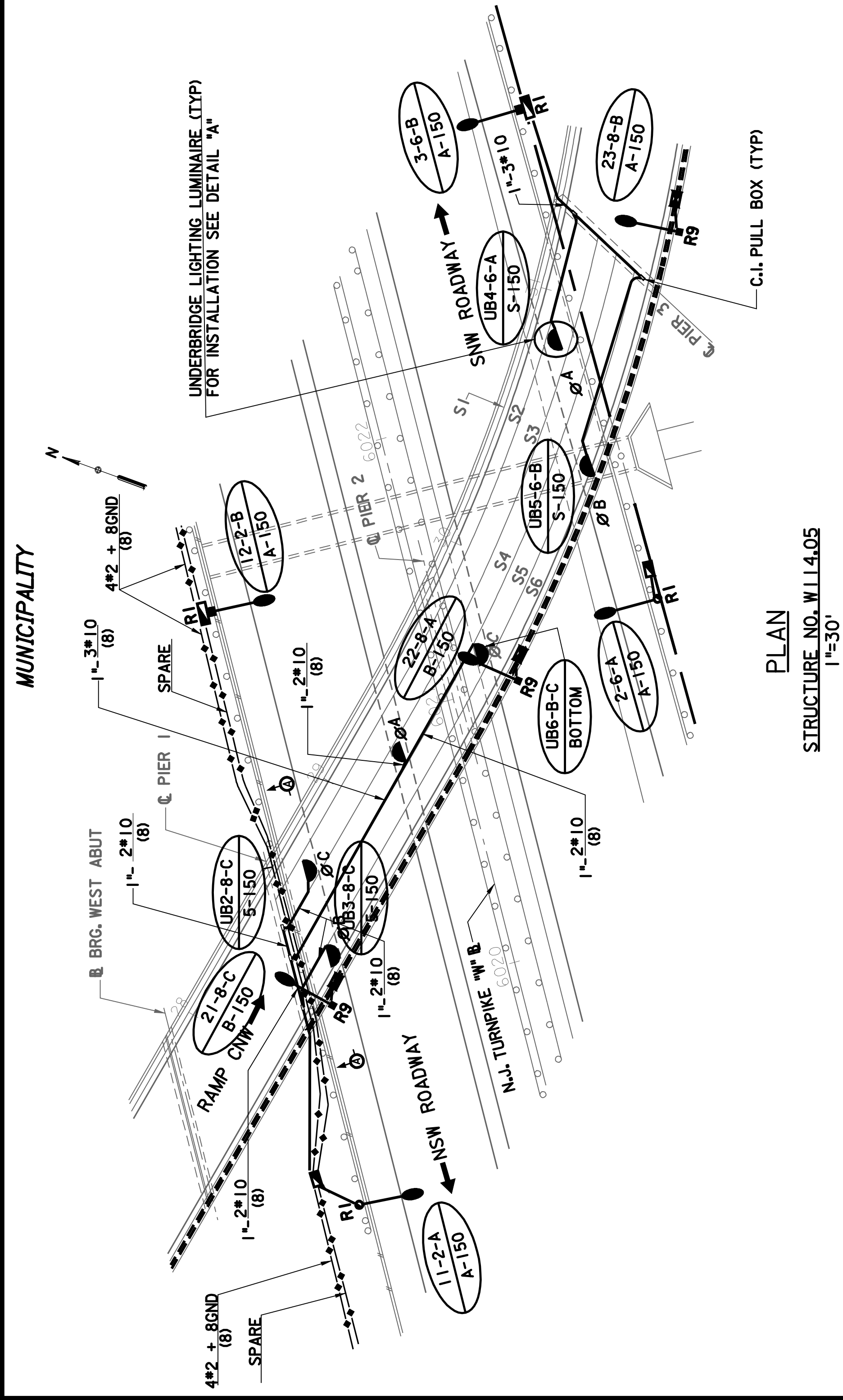
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SAMPLE PLAN SHEET NO. 34 OF 69

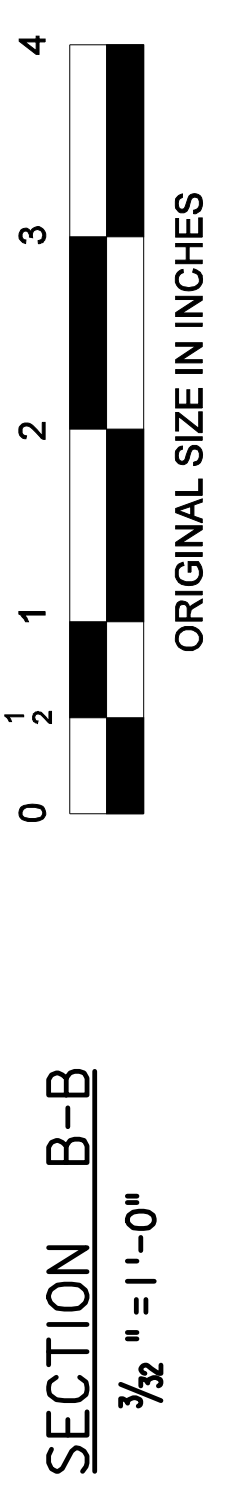
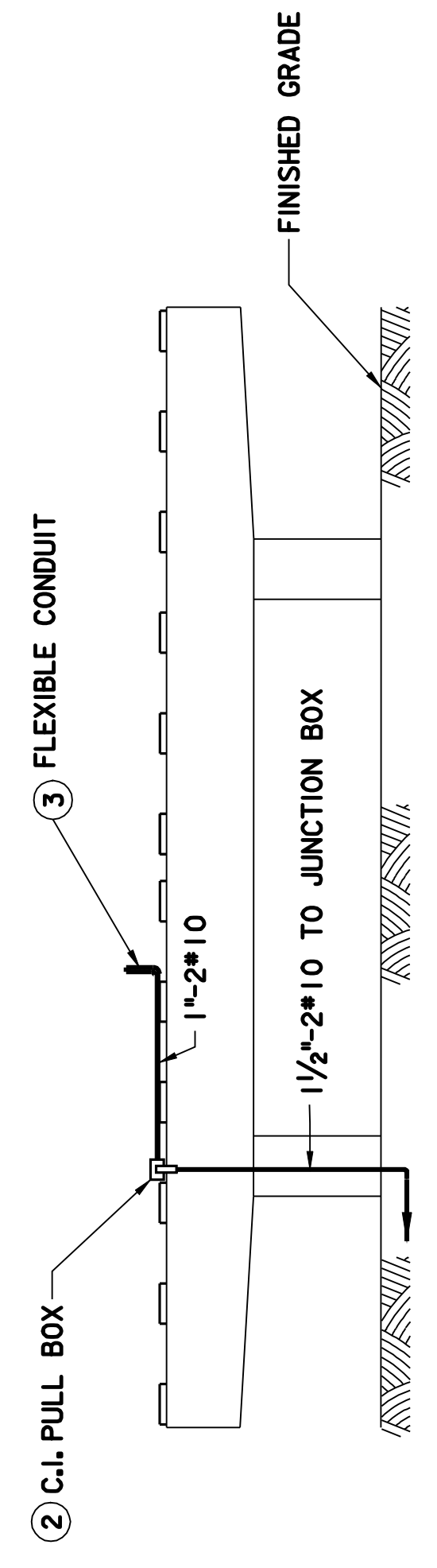
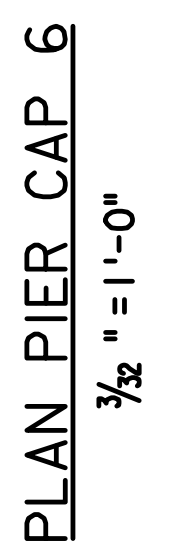
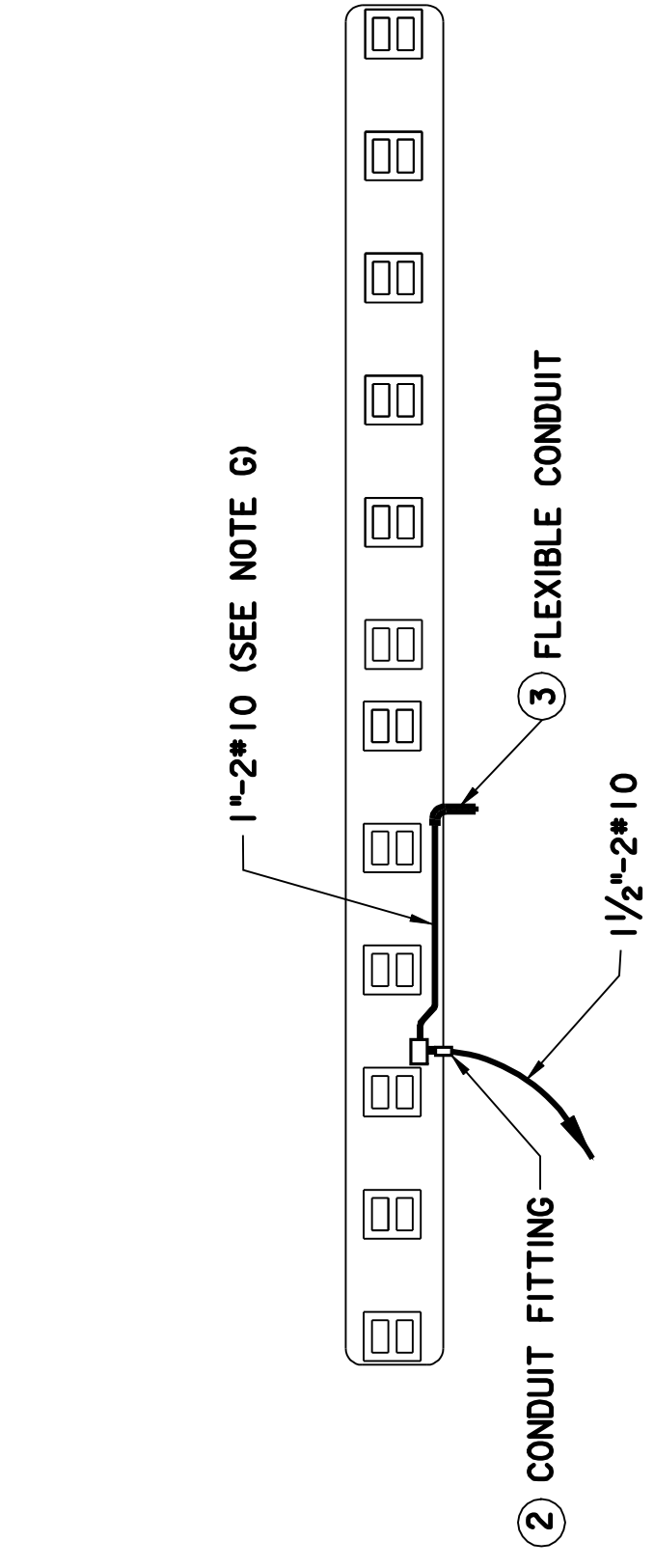
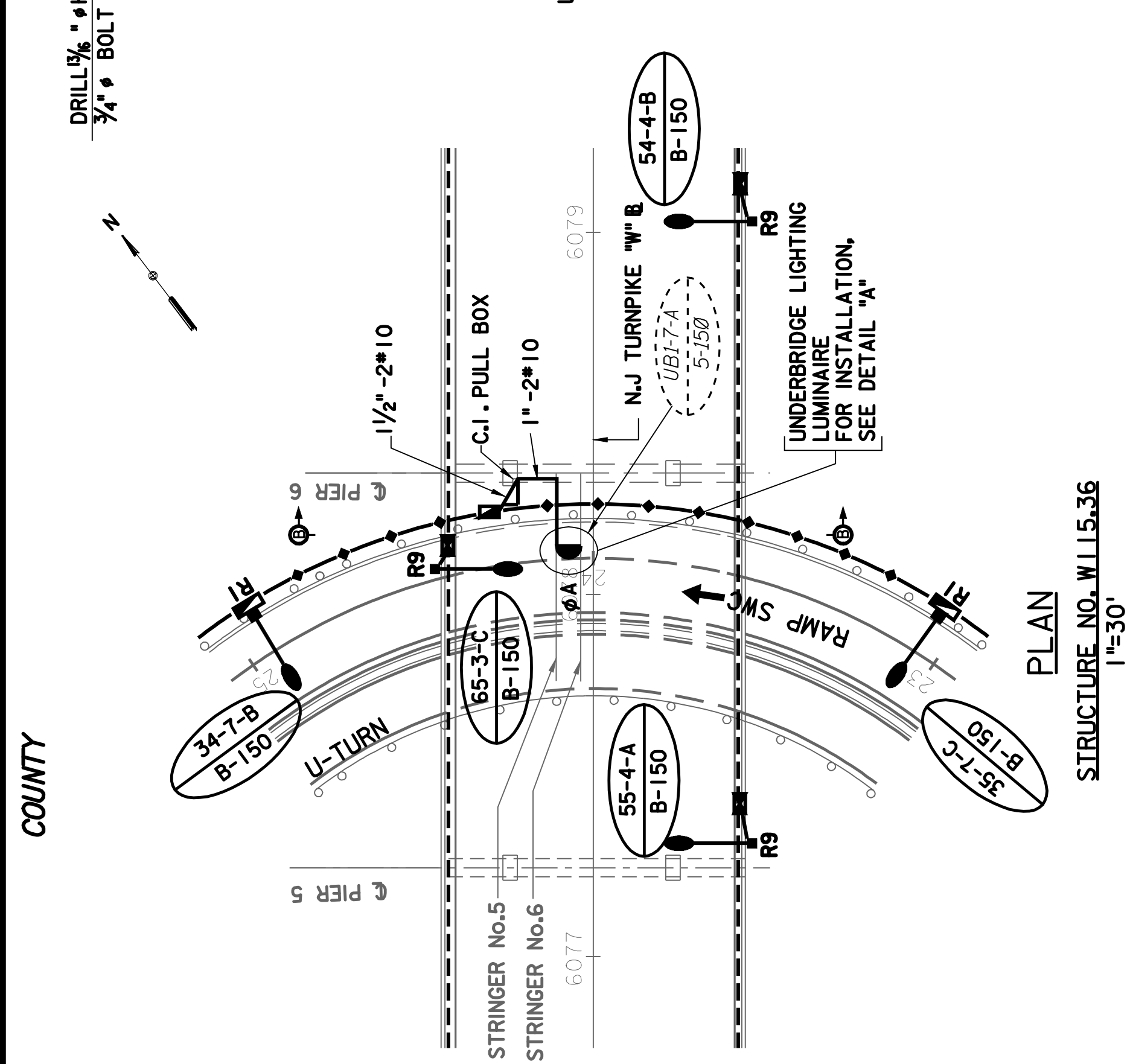
No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

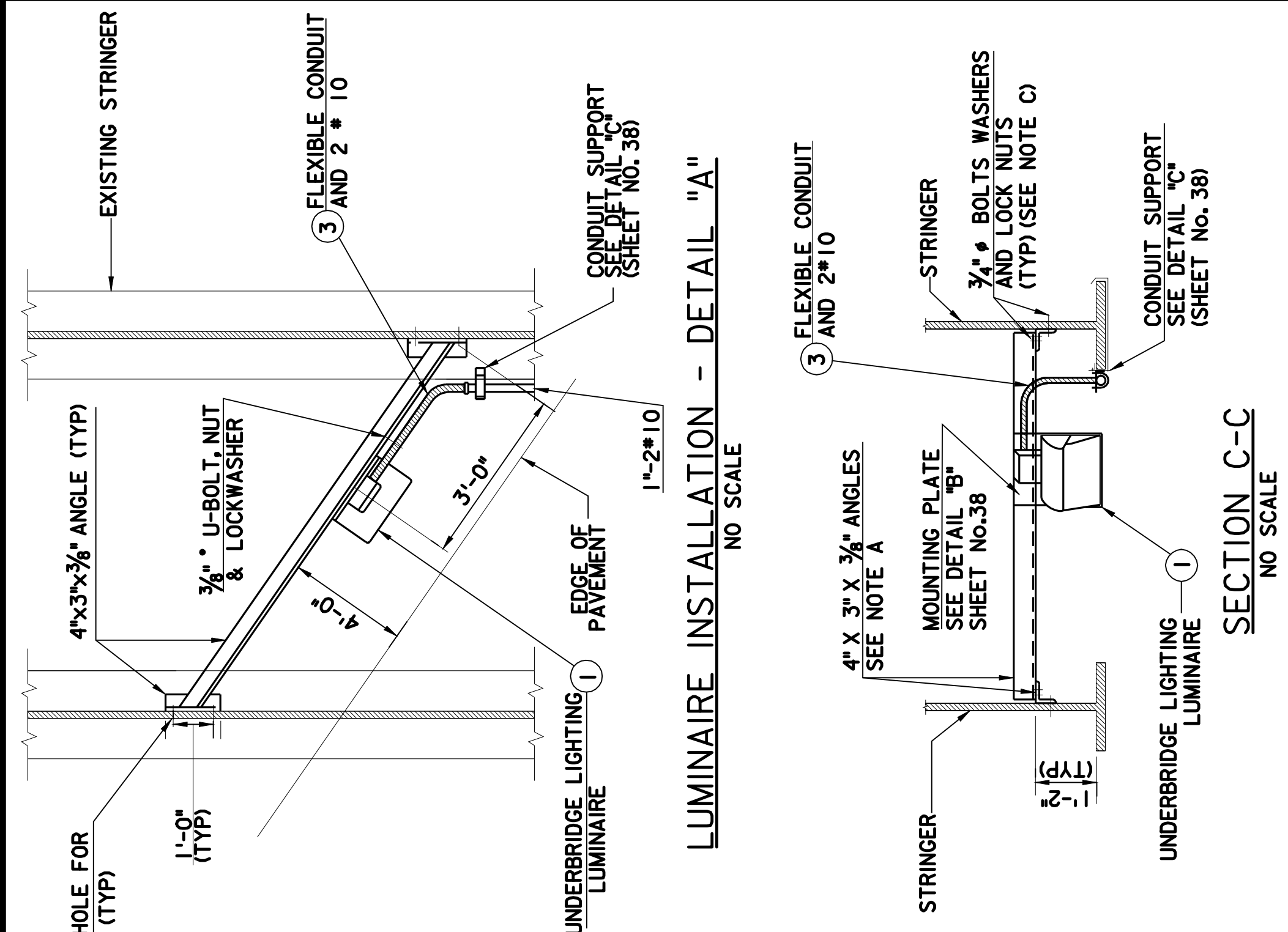
AND/OR AS DIRECTED BY THE ENGINEER.



- LIST OF MATERIAL
- ① UNDERBRIDGE LIGHTING LUMINAIRE : INTEGRAL BALLAST, 250 WATT, MERCURY VAPOR TYPE (SEE SPECIFICATIONS)
 - ② CAST IRON PULL BOX X 8" X 8" X 6" H.D., GALVANIZED, EQUIPMENT WITH GASKET, MOUNTING LUGS, BOSSES (AS REQUIRED) AND SHALL BE EQUAL TO OZ CAT. NO. YS080806.
 - ③ FLEXIBLE CONDUIT : 1" SIZE AND MINIMUM OF 12 " LONG. (SEE SPECIFICATIONS).
 - ④ CONDUIT FITTING : F- EQUAL TO CROUSE - HINDS CO'S TYPE LB CONDUIT WITH GASKET AND FERALOY COVERS, WHERE SHOWN AND/OR AS DIRECTED BY THE ENGINEER.



No.	DATE	REVISION	



- NOTES
- A. STRUCTURAL STEEL MEMBERS SHALL CONFORM TO ASTM DESIGNATION A588.
 - B. ALL STRUCTURAL STEEL PARTS OF THE CONDUIT SUPPORT ASSEMBLY SHALL CONFORM TO ASTM DESIGNATION A588. ALL BOLTS, NUTS AND WASHERS SHALL BE OF GALVANIZED CARBON STEEL CONFORMING TO ASTM DESIGNATIONS A307 AND A153.
 - C. ALL BOLTS, NUTS AND WASHERS SHALL BE OF HIGH STRENGTH STEEL, CONFORMING TO ASTM DESIGNATION A325, TYPE3.
 - D. SHOWN DETAIL IS BASED ON HOLOPHONE LUMINAIRE MODIFICATIONS MAY BE REQUIRED IF OTHER APPROVED LUMINAIRE IS USED.
 - E. UNDERBRIDGE LIGHTING FEEDER SHALL BE FUSED IN CONCRETE JUNCTION BOX OR JUNCTION BOX FOUNDATION, IN ACCORDANCE WITH THE WIRING DIAGRAM SHOWN ON STANDARD DRAWING E-5.
 - F. PROVIDE WEEP HOLES IN LOW POINTS OF ALL CONDUIT RUNS, CONDUIT FITTINGS, OR CAST IRON PULL BOXES.
 - G. CONDUIT TO BE FASTENED TO TOP OF PIER WITH CLAMP AND CLAMPBACK BY MEANS OF $\frac{3}{4}$ " ϕ - 2 UNIT EXPANSION ANCHOR BOLTS, SPACED 5'-0" MAX. CONDUIT TO BE PLACED, AS DIRECTED BY THE ENGINEER.

NEW JERSEY TURNPIKE AUTHORITY		NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX	
ROADWAY NAME		JOHN DOE	
PROJECT DESCRIPTION		NAME OF CONSULTANT	
CONTRACT NO.		ADDRESS	
ROADWAY LIGHTING		CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX	
UNDERBRIDGE LIGHTING DETAILS -1-		SCALE: AS SHOWN	
		DATE: MAY 2008	
		36	
		69	

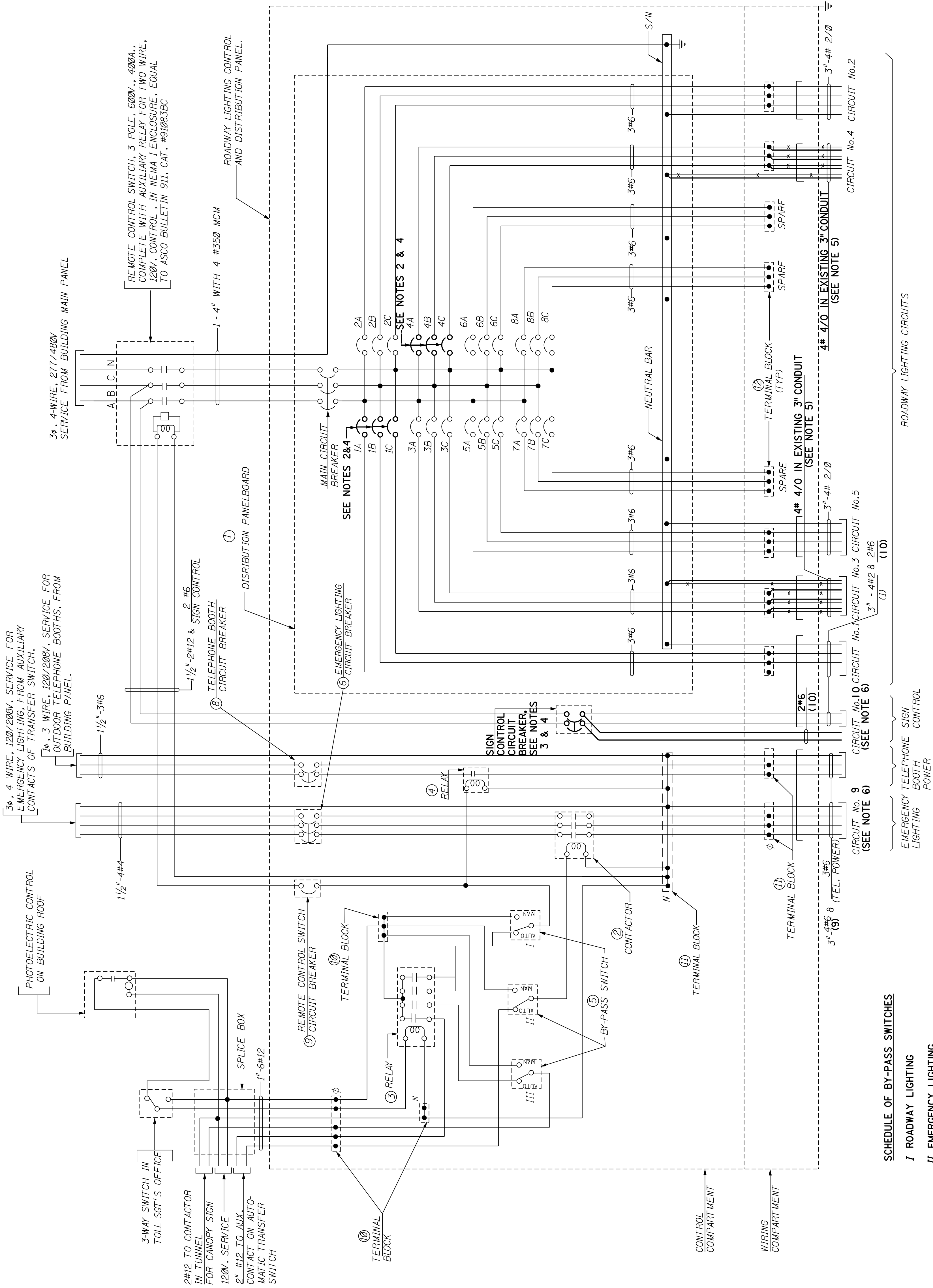
No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

NAME OF CONSULTANT		SCALE: NONE		<div><div>37</div><div>69</div></div>
ADDRESS		DATE: MAY 2008		
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX				

JOHN DOE				
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXXX				

FILE NAME: XXXX



SCHEDULE OF BY-PASS SWITCHES

<i>I</i>	ROADWAY LIGHTING
<i>II</i>	EMERGENCY LIGHTING
<i>III</i>	CANOPY SIGN LIGHTING

ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY	
ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

ROADWAY LIGHTING CONTROL AND DISTRIBUTION PANEL -1-

NAME OF CONSULTANT

ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: NONE

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXX

SAMPLE PLAN SHEET NO. 37 OF 69

No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

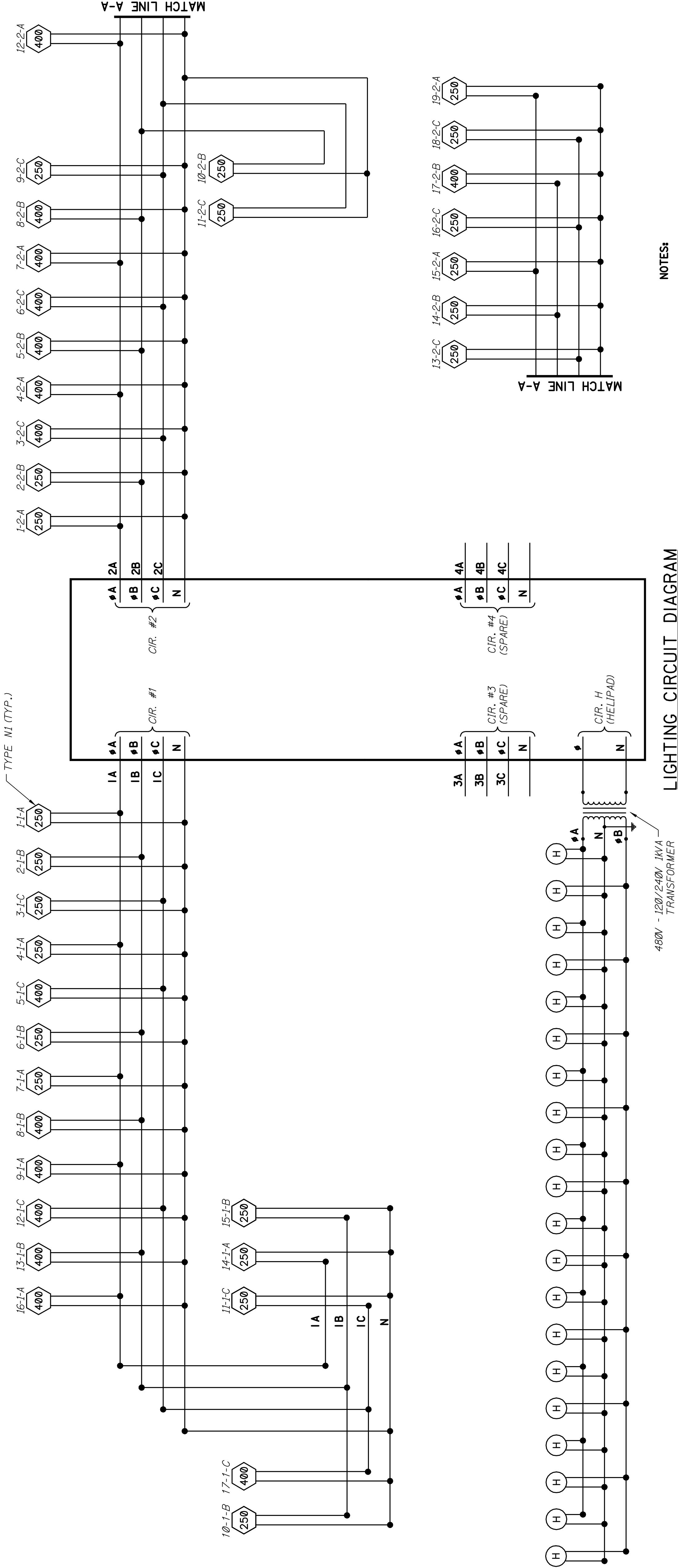
	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

PANEL DESIGNATION		LOCATION:	TMC Building, Electrical and Mechanical Room	MAIN:				100A, 3-POLE, 480 VAC			
OL		PANEL TYPE:	18-POLE, 60Hz with Ground Bus	BUS/FRAME SIZE:				100A Frame			
(OUTDOOR LIGHTING)		PANEL ENCLOSURE:	NEMA-1	PANEL MOUNTING:				Surface			
		VOLTAGE:	480/277 VAC, 3*, 4-WIRE WITH SOLID NEUTRAL	BRANCH CB RATING:				1-Pole, 277 VAC, 65K AIC			
BKR #	LOAD DESCRIPTION	CIR LOAD kW	CIR. BREAKER		LOAD (kW)		CIR. BREAKER		CIR LOAD kW	LOAD DESCRIPTION	BKR #
			AMPS	POLE	φ A	φ B	φ C	AMPS	POLE		
1	LIGHTING CIRCUIT 1		20	1	4,455			20	1		2
3	Entrance and Exit Ramp, Inner and	6.295	20	1		4,455		20	1		4
5	Outer Circle, North East Drive Lot		20	1			4,455	20	1	LIGHTING CIRCUIT 2 Southeast Lot, Southwest Lot, Garage Area	6
7	Spare	0	20	1	0			20	1	0	8
9	Spare	0	20	1		0		20	1	0	10
11	Spare	0	20	1			0	20	1	0	12
13	HELIPAD LIGHTING (FATO & TOFL)	0.300	20	1	0.150					(SPACE)	14
15			20	1		0.150				(SPACE)	16
17	(SPACE)			1						(SPACE)	18
TOTAL CONNECTED LOAD (EACH PHASE):					4.605	4.605	4.455	REMARKS:			
TOTAL CONNECTED LOAD (kW):					13.665						

NAME OF CONSULTANT		SCALE: NONE		<div><div>38</div><div>69</div></div>	
ADDRESS		DATE: MAY 2008			
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXXXX					

JOHN DOE					
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXXXXX					

FILE NAME: XXXX



LIGHTING CIRCUIT DIAGRAM
NOT TO SCALE

NOTES:

1. 3-PHASE, 4-WIRE, 480/277V PANELBOARD CAT. # NF1481LC1 SQUARE D (INTERIOR ONLY) IN NEMA 1 ENCLOSURE. THE PANELBOARD SHALL BE FURNISHED WITH A 3-POLE 100A MAIN BREAKER AND (14) 1-POLE 200A 277V 65 KAIC EOB TYPE BOLT-ON SQUARE D CIRCUIT BREAKERS. ALL BREAKERS SHALL BE UL LISTED.
2. LUG ON ALL BRANCH CIRCUIT BREAKERS SHALL BE CAPABLE OF ACCEPTING THE WIRE USED FOR LIGHTING CIRCUITS.

LEGEND

250 W, 277, HPS LUMINAIRE

(H) HELIPAD LIGHTING

ORIGINAL SIZE IN INCHES

[illegible]

CONTRACT NO.

ROADWAY LIGHTING WIRING DIAGRAM AND LIGHTING SCHEDULE-1-

[illegible]

CIRCUIT NO.3 (PANEL RLP)						
LIGHTING STANDARD OR LUMINAIRE NO.	LIGHTING STANDARD TYPE	LUMINAIRE			BASE OR JBF TYPE	REMARKS
		TYPE	LAMP WATTS	BALLAST INPUT WATTS		
1-3-A	1	A	150	190		REMOVE AND SALVAGE
2-3-B	1	A	150	190		REMOVE AND SALVAGE
3-3-C	2	A	150	190		REMOVE AND SALVAGE
4-3-A	2	A	150	190		REMOVE AND SALVAGE
5-3-C	2	A	150	190		REMOVE AND SALVAGE
6-3-B	2	A	150	190		REMOVE AND SALVAGE
7-3-C	1	A	150	190		REMOVE AND SALVAGE
8-3-A	1	A	150	190		REMOVE AND SALVAGE
9-3-C	1	A	150	190		REMOVE AND SALVAGE
10-3-A	2	A	150	190		REMOVE AND SALVAGE
UB1-3-A	-	S	150	190	-	REMOVE AND SALVAGE
UB1-3-A	-	S	150	190	-	REMOVE AND SALVAGE
1-3-A	L-MG-40	P2	250	310	CB1	
2-3-B	L-MG-40	P2	250	310	CB1	
3-3-C	L-MG-40	P2	250	310	JBF I	
4-3-A	L-MG-40	P2	250	310	JBF I	
5-3-B	L-MG-40	P2	250	310	JBF I	
6-3-C	L-8-40	A	150	190	CB1	
7-3-A	L-MG2-40	P4	400	465	JBF I	
8-3-B		P4	400	465		
9-3-C	L-8-40	A	150	190	CB1	
10-3-A	L-8-40	A	150	190	CB1	
UB1-3-C		S	150	190		
UB2-3-C		S	150	190		
	TOTAL		2800	3430		
SIGN LIGHTING SUMMARY						
STRUCTURE	QUANTITY OF LUMINAIRES	LOAD (KW)			TOTAL	
		ø A	ø B	ø C		
STR. 09136A	5	0.580	0.290	0.580	1.450	
STR. 09138	2	-	0.290	0.290	0.580	
TOTAL		0.58	0.58	0.87	2.03	
CONNECTED LOAD (KW)						
ROADWAY LIGHTING		ø A	ø B	ø C	TOTAL	
UNDERBRIDGE LIGHTING		1.275	1.085	0.690	3.050	
SIGN LIGHTING		-	0.190	0.190	0.380	
OTHER(S)		0.580	0.580	0.870	2.030	
		-	-	-	-	
TOTAL		1.855	1.855	1.750	5.460	

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

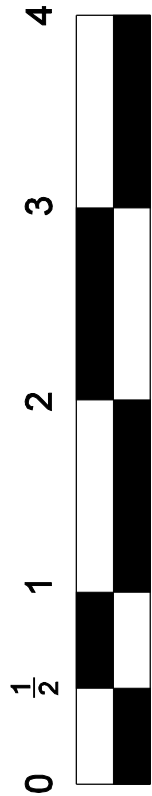
CIRCUIT NO.2 (PARKING LOT LIGHTING)							
LIGHTING STANDARD OR LUMINAIRE NO.	LIGHTING STANDARD TYPE	LUMINAIRE			BALLAST INPUT WATTS	BASE OR JBF TYPE	REMARKS
		TYPE	LAMP WATTS				
1-2-B	L4-25-NI-T	NI	400		465	-	
2-2-C		NI	400		465	-	
3-2-A	L-4-25-NI	NI	400		465	-	
4-2-B	L-4-25-NI	NI	400		465	-	
5-2-C	L-4-25-NI	NI	250		310	-	
6-2-B	L-4-25-NI	NI	250		310	-	
7-2-C	L-4-25-NI	NI	250		310	-	
8-2-A	L-4-25-NI	NI	400		465	-	
9-2-B	L-4-25-NI	NI	400		465	-	
10-2-C	L4-25-NI-T	NI	250		310	-	
11-2-B		NI	250		310	-	
12-2-C	L-4-25-NI	NI	250		310	-	
13-2-A	L-4-25-NI	NI	250		310	-	
14-2-A	L-4-20-NI-T	NI	250		310	-	
15-2-C		NI	250		310	-	
16-2-A	L-4-25-NI	NI	400		465	-	
17-2-C	L-4-25-NI	NI	400		465	-	
18-2-B	L-4-20-NI	NI	250		310	-	
19-2-A	L-4-20-NI	NI	250		310	-	
	TOTAL		2050		2480		
CONNECTED LOAD (KW)							
		φ A	φ B	φ C	TOTAL		
ROADWAY LIGHTING		-	-	-	0.000		
UNDERBRIDGE LIGHTING		-	-	-	0.000		
SIGN LIGHTING		-	-	-	0.000		
PARKING LOT LIGHTING		2.325	2.325	2.420	7.070		
TOTAL		2.325	2.325	2.420	7.070		

CONNECTED LOAD (KW)

	φ A	φ B	φ C	TOTAL
ROADWAY LIGHTING	-	-	-	0.000
UNDERBRIDGE LIGHTING	-	-	-	0.000
SIGN LIGHTING	-	-	-	0.000
PARKING LOT LIGHTING	2.325	2.325	2.420	7.070
TOTAL	2.325	2.325	2.420	7.070

NOTES:

1. SEE DRAWING RL-9 FOR WIRING DIAGRAM.
2. SEE DRAWING RL-6 FOR PANEL LOCATIONS AND FEEDS.



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

ROADWAY LIGHTING SCHEDULE OF LIGHTING STANDARDS -1-

NAME OF CONSULTANT
ADDRESS
CITY
STATE
ZIP
PHONE NO.

SCALE: NONE
DATE: MAY 2008

39
69

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXXXX

	ORIGINAL SHEET	5-08	DATE	NO.
	SAMPLE PLAN REVISION			

EARTHWORK SUMMARY

EXCAVATION		
ROADWAY EXCAVATION, EARTH (FROM CROSS SECTIONS)	17,500 C.Y.	
ROADWAY EXCAVATION, EARTH (FROM PLAN SHEETS)	+ 0 C.Y.	
STRIPPING IN CUT (FROM CROSS SECTION)	- 0 C.Y.	
TOTAL ROADWAY EXCAVATION, EARTH	TOTAL = 17,500 C.Y.	
ROADWAY EXCAVATION, ROCK (FROM CROSS SECTIONS)	8,944 C.Y.	
ROADWAY EXCAVATION, ROCK (FROM PLAN SHEETS)	+ 0 C.Y.	
TOTAL ROADWAY EXCAVATION, ROCK	TOTAL = 8,944 C.Y.	
EMBANKMENT		
EMBANKMENT, COMMON (FROM CROSS SECTIONS)	630 C.Y.	
EMBANKMENT, COMMON (FROM PLAN SHEETS)	+ 0 C.Y.	
STRIPPING IN FILL (FROM CROSS SECTIONS)	+ 0 C.Y.	
SUB-TOTAL	= 630 C.Y.	
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT EMBANKMENT, COMMON	- 0 C.Y.	
	TOTAL = 630 C.Y.	
EMBANKMENT, GRADE A (FROM CROSS SECTIONS)	4,900 C.Y.	
EMBANKMENT, GRADE A (FROM PLAN SHEETS)	+ 0 C.Y.	
SUB-TOTAL	= 4,900 C.Y.	
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT EMBANKMENT, GRADE A	- 0 C.Y.	
	TOTAL = 4,900 C.Y.	

TOPSOIL	
TOPSOIL REQUIRED	6,300 S.Y.
TOPSOIL, 4" THICK FROM CROSS SECTIONS	+ 0 S.Y.
TOPSOIL, 4" THICK FROM PLAN SHEETS	+ 0 S.Y.
TOTAL	= 6,300 S.Y.
SEEDING	
TYPE A	6,300 S.Y.
FROM CROSS SECTIONS	+ 0 S.Y.
FROM PLAN SHEETS	+ 0 S.Y.
TOTAL	= 6,300 S.Y.

NOTES:
IF ANY SUITABLE MATERIAL FOR EMBANKMENT IS OBTAINED FROM ANY EXCAVATION, THE QUANTITY OF BORROW WILL BE REDUCED ACCORDINGLY.

COUNTY

COUNTY AVENUE

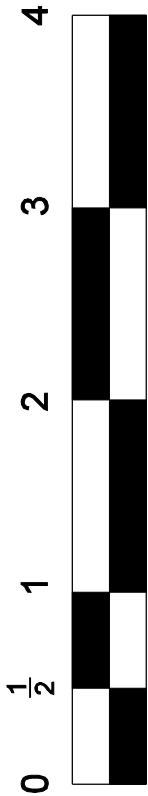
MUNICIPALITY



NOTE:
ALL CROSS SECTIONS ARE TAKEN RADIAL TO A BASE LINE AND AT 50' INTERVALS UNLESS OTHERWISE NOTED.

LEGEND FOR CROSS SECTIONS

- C = EXCAVATION
- F = EMBANKMENT
- SC = STRIPPING IN CUT
- SF = STRIPPING IN FILL
- CE = CHANNEL EXCAVATION
- ME = UNSUITABLE OR MUCK EXC.
- P = POROUS FILL
- TS = TOPSOIL
- Sq. Ft.
- Sq. Ft.
- Lin. Ft.
- Lin. Ft.
- Sq. Ft.
- Sq. Ft.
- Sq. Ft.
- Sq. Ft.



ORIGINAL SIZE IN INCHES

XS-1 XS-3

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

**KEY TO CROSS SECTIONS
AND EARTHWORK SUMMARY**

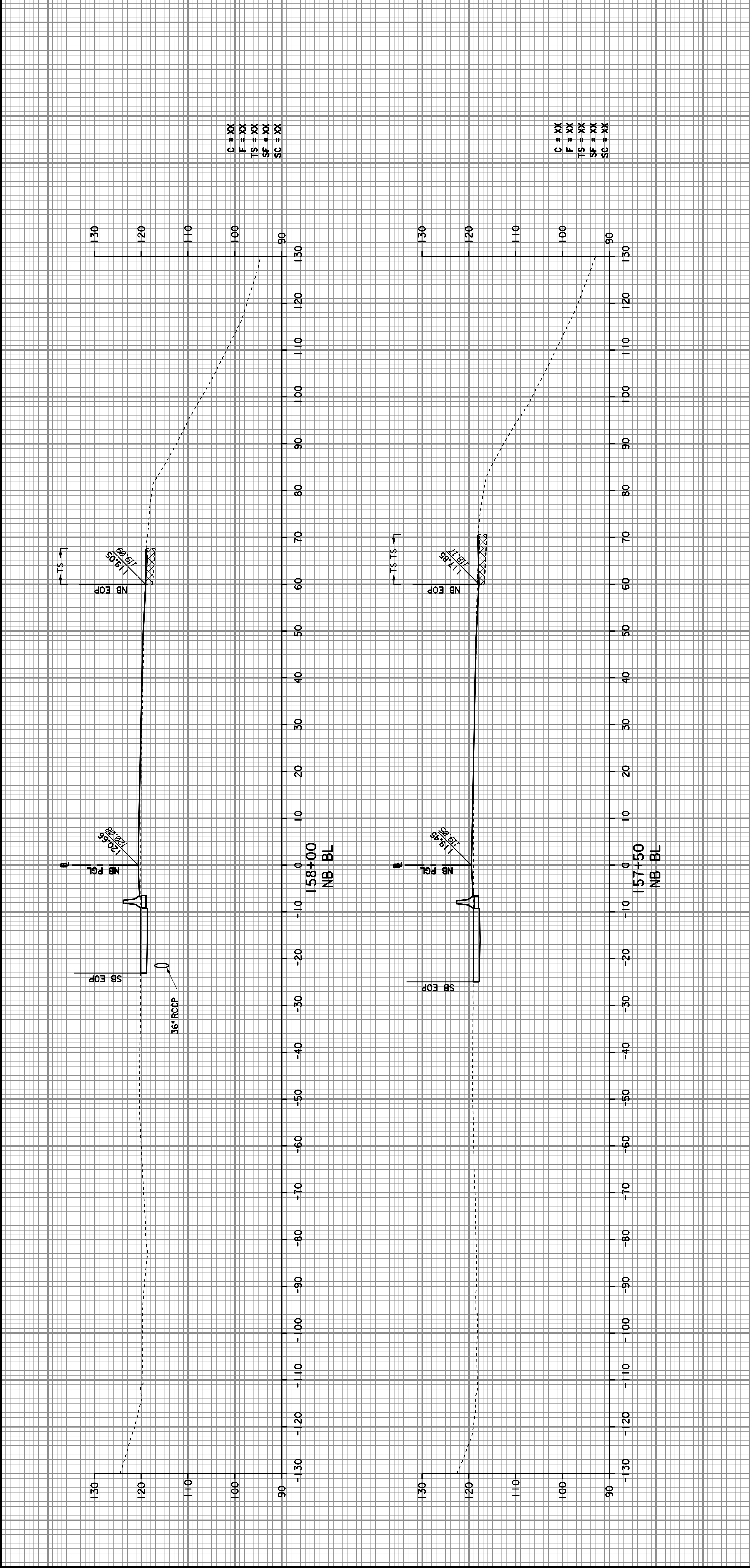
NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: 1"=100'
DATE: MAY 2008

JOHN DOE
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

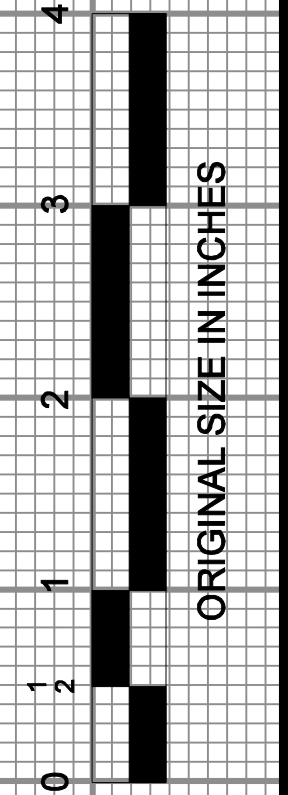
No.	DATE	REVISION	

ORIGINAL SHEET	DATE	BY	DATE
5-08	XXX	XXX	XX-XX-XX
0	TRACED	XXX	XX-XX-XX
	CHECKED	XXX	XX-XX-XX
	SUPERVED	X	XXXX



NEW JERSEY TURNPIKE AUTHORITY	
ROADWAY NAME	
PROJECT DESCRIPTION	
CONTRACT NO.	
CROSS SECTIONS -1-	
NB BL STA. 157+50 TO 158+00	
NAME OF CONSULTANT	SCALE: 1"=10'
ADDRESS	CERTIFICATE OF AUTHORIZATION NO. XXXXXXXX
DATE: MAY 2008	FILE NAME: XXXX
JOHN DOE	NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXX

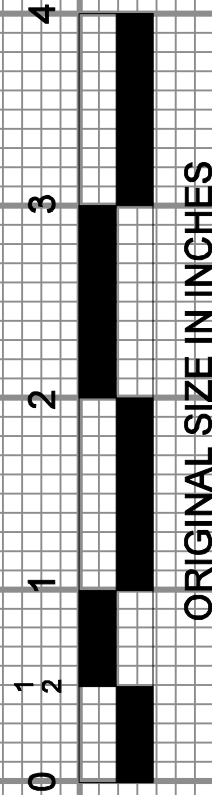
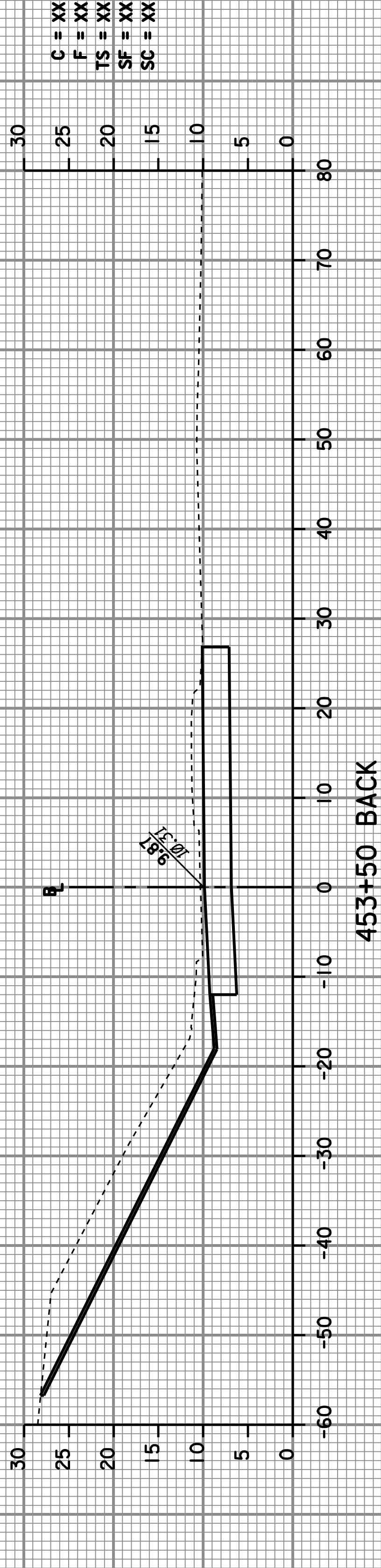
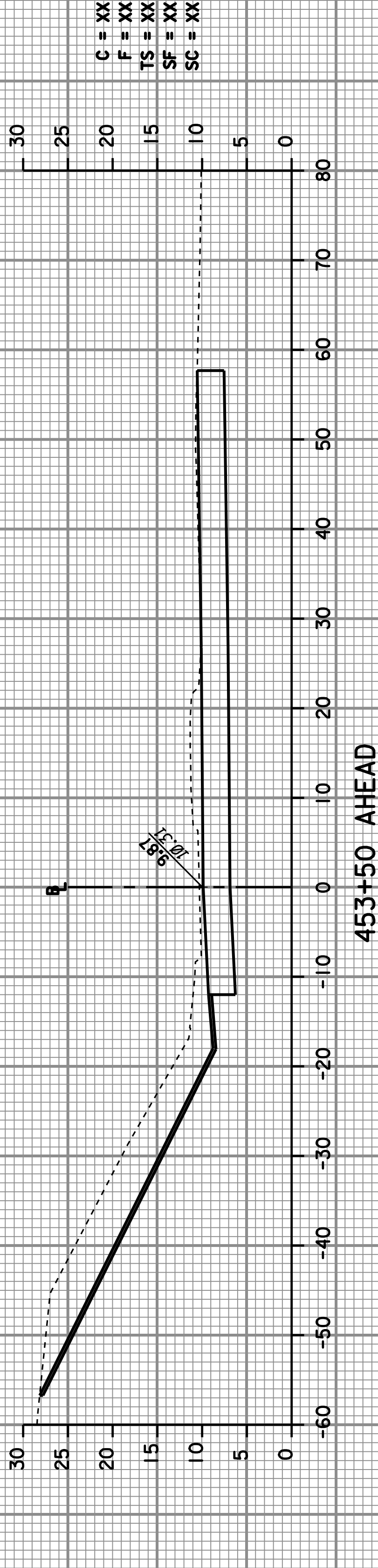
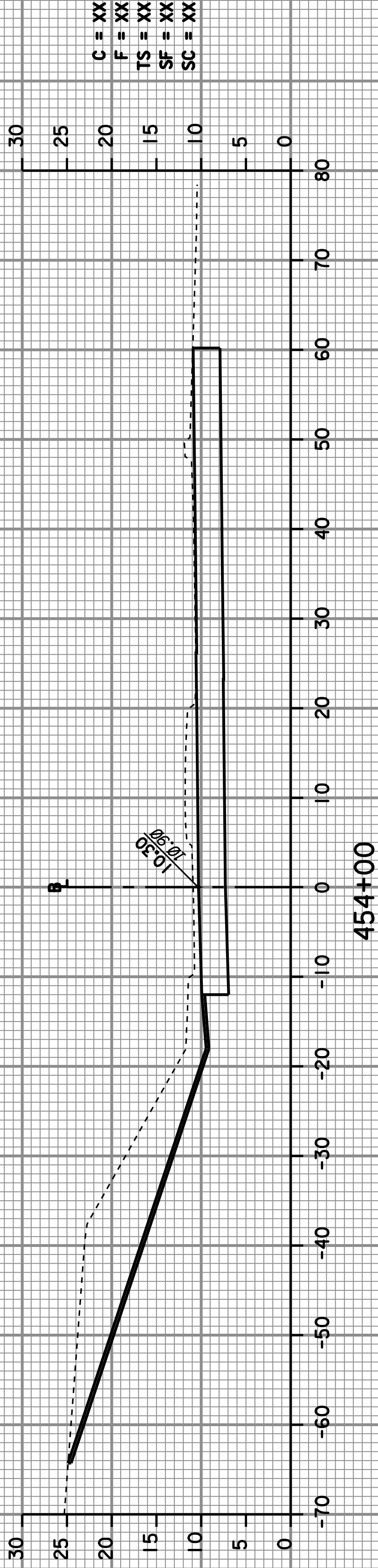
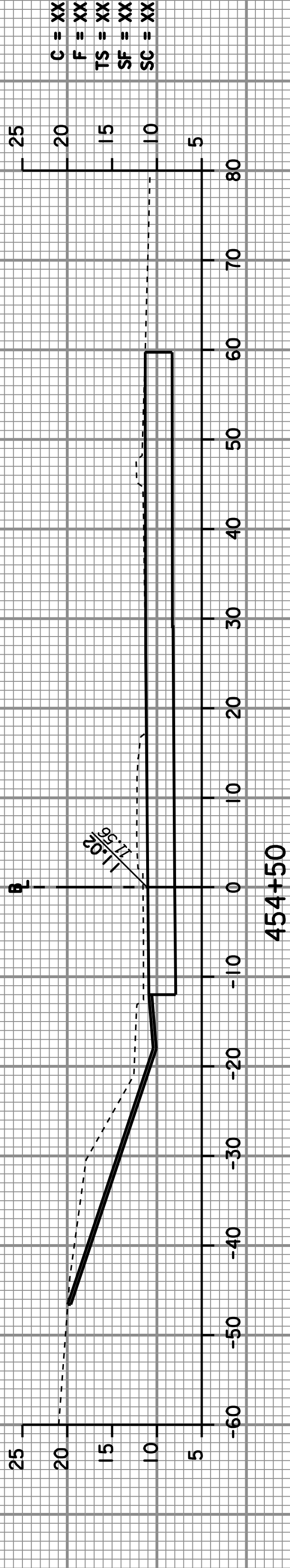
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CHECKED	XXX	DATE	XX-XX-XX
SUPERVED	X	DATE	XXXX



No.	DATE	REVISION

No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	



No.	DATE	REVISION	

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: 1" = 10'

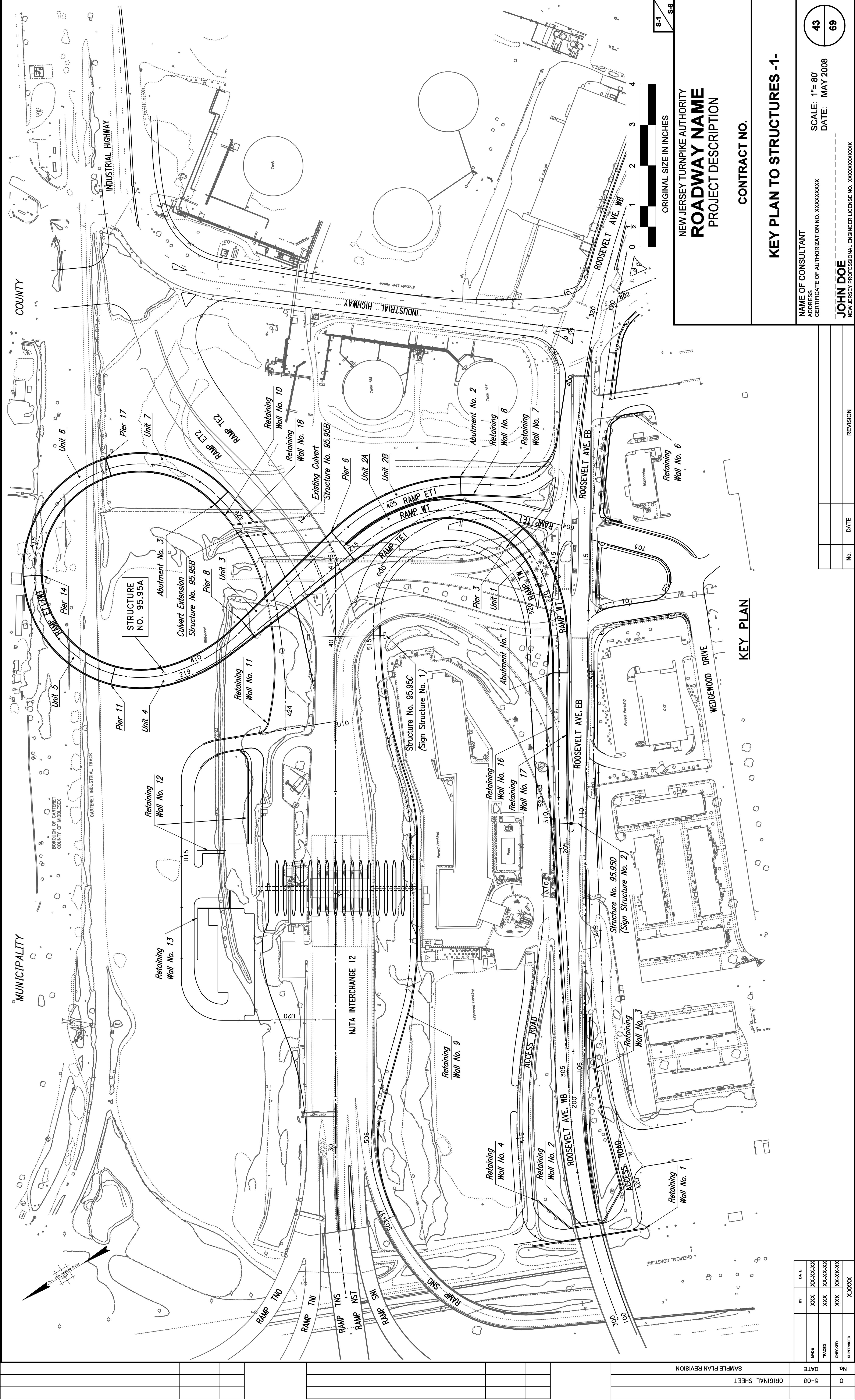
DATE: MAY 2008

42

69

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX



ORIGINAL SHEET		SAMPLE PLAN REVISION	
0	5-08	DATE	BY
		MADE	XXX
		TRACED	XXX
		CHECKED	XXX
		SUPERVISED	X XXXX

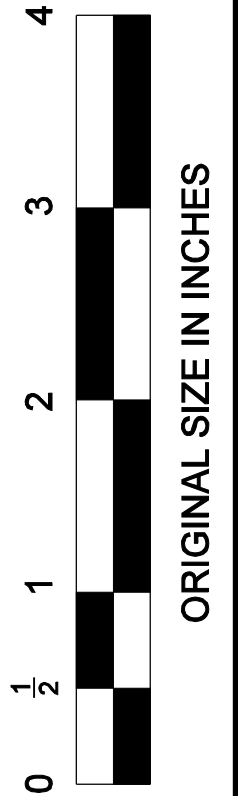
NO.	DATE	BY	DATE
0	5-08	XXX	XX-XX-XX
		XXX	XX-XX-XX
		XXX	XX-XX-XX

[illegible]

ESTIMATE OF QUANTITIES					
ITEM NO.	UNIT CODE	ITEMS	UNIT	QUANTITY	AS-BUILT
		STRUCTURE NO. 95.95A: RAMP ET1/WT BRIDGE			
51	—	REFLECTIVE CRACK MEMBRANE	LF	95	
55	—	BRIDGE APPROACH SLAB	SY	270	
58	4A01STC	CONCRETE IN SUBSTRUCTURE ABOVE FOOTINGS	CY	1,255	
59	4A10STC	CONCRETE IN BRIDGE PARAPET	CY	750	
65	4A10RFS	REINFORCEMENT STEEL	LBS	320,000	
66	4A11RFS	REINFORCEMENT STEEL, EPOXY COATED	LBS	831,200	
67	4A55QPS	CONCRETE PENETRATING SEALER TREATMENT	SF	21,500	
68	—	CONCRETE CORE SAMPLING	EA	15	
69	N4A0001	SAWCUT GROOVED DECK SURFACE	SY	8,650	
70	N4A0007	METHACRYLATE CRACK SEALER	LF	1,800	
71	N4A0002	STRIP SEAL EXPANSION JOINTS — 3" MOVEMENT RANGE	LF	185	
72	N4A0003	STRIP SEAL EXPANSION JOINTS — 4" MOVEMENT RANGE	LF	120	
73	—	STRIP SEAL EXPANSION JOINTS — 5" MOVEMENT RANGE	LF	75	
76	4C01SSC	SHEAR CONNECTORS	EA	44,010	
77	4C05SSL	STRUCTURAL STEEL (3,500,000 LBS.)	LS	1	
78	—	GUIDED POT BEARING, 1100 KIPS	EA	2	
79	—	FIXED POT BEARING, 850 KIPS	EA	2	
85	4H02LEB	LAMINATED ELASTOMERIC BEARING 9" X 12"	EA	7	
86	4H13LEB	LAMINATED ELASTOMERIC BEARING 10" X 14"	EA	20	
87	4H14LEB	LAMINATED ELASTOMERIC BEARING 10" X 16"	EA	23	
88	N4H0005	LAMINATED ELASTOMERIC BEARING 12" X 12", TYPE F1	EA	64	
89	—	FIXED LAMINATED ELASTOMERIC BEARING 18" X 20"	EA	12	
90	—	FIXED LAMINATED ELASTOMERIC BEARING 16" X 25"	EA	20	
91	4J01DAW	DAMP—PROOFING	SY	120	
93	4L01BDR	INLET FRAMES AND GRATES	EA	3	
94	—	10" DRAINAGE PIPE, FIBERGLASS	LF	120	
95	4001TSP	TEMPORARY SHEETING	SF	1,000	
97	4R14BSR	SUBSTRUCTURE WATERPROOFING	SF	3,200	
98	—	60" DIAMETER DRILLED SHAFT	LF	1,640	
99	—	54" DIAMETER ROCK SOCKET	LF	770	
100	4Z04DDS	48" DIAMETER DRILLED SHAFT	LF	450	
101	—	42" DIAMETER ROCK SOCKET	LF	90	
103	—	CORE DRILLING THROUGH CONCRETE, 2" MINIMUM DIAMETER	LF	100	
104	—	DRILLING THROUGH OBSTRUCTION	LF	200	
105	4Z01SDE	FURNISHING DRILLED SHAFT DRILLING EQUIPMENT	LS	1	
106	—	TEST SHAFTS IN SOIL	LF	200	
107	—	TEST SHAFTS IN ROCK	LF	160	
108	—	CORE BORINGS FOR DRILLED SHAFTS	LF	2,500	
109	4ZM01HPC	CONCRETE IN DECK, HPC	CY	2,850	
110	4ZM03HPC	CONCRETE IN HEADBLOCK, HPC	CY	10	
111	—	MECHANICALLY STABILIZED EARTH ABUTMENT WALL NO. 1	SF	450	
112	—	MECHANICALLY STABILIZED EARTH ABUTMENT WALL NO. 2	SF	260	
113	—	MECHANICALLY STABILIZED EARTH ABUTMENT WALL NO. 3	SF	290	
127	—	AXIAL LOAD TEST USING OSTERBERG LOAD CELL, 26—INCH DIAMETER	EA	3	
128	—	AXIAL LOAD TEST USING OSTERBERG LOAD CELL, 34—INCH DIAMETER	EA	1	
134	—	LATERAL LOAD TEST	EA	1	

		BY	DATE
MADE		XXX	XX-XX-XX
TRACED		XXX	XX-XX-XX
CHECKED		XXX	XX-XX-XX
SUPERVISED		X.XXXX	

ESTIMATE OF QUANTITIES					
ITEM NO.	UNIT CODE	ITEMS	UNIT	QUANTITY	AS-BUILT
		STRUCTURE NO. 95.95B: CULVERT			
19	2E01FEX	FOUNDATION EXCAVATION			
20	—	COARSE AGGREGATE LAYER	CY	320	
63	—	CONCRETE IN CULVERT	CY	140	
66	4A11RFS	REINFORCEMENT STEEL, EPOXY COATED	CY	260	
97	4R14BSR	SUBSTRUCTURE WATERPROOFING	LBS	80,000	
			SF	1,900	
		STRUCTURE NO. 95.95C: SIGN STRUCTURE NO. 1			
65	4A10RFS	REINFORCEMENT STEEL	LBS	1,260	
82	4F10OHF	CONCRETE FOUNDATIONS FOR OVERHEAD SIGN STRUCTURES	CY	32	
84	4F26OSS	OVERHEAD SPAN SIGN STRUCTURE NO. 1	LS	1	
102	4Z04DDS	48" DIAMETER DRILLED SHAFT	LF	180	
		STRUCTURE NO. 95.95D: SIGN STRUCTURE NO. 2			
83	4F150BS	OVERHEAD BUTTERFLY SIGN SUPPORT STRUCTURE NO. 2	LS	1	
98	—	60" DIAMETER DRILLED SHAFT	LF	46	
		RETAINING WALL NO. 1			
60	—	CONCRETE IN BARRIER CURB AT SHEETPILE WALL	CY	44	
67	4A55CPS	CONCRETE PENETRATING SEALER TREATMENT	SF	1,012	
96	—	PERMANENT STEEL SHEETING, TYPE PZ 22	SF	1,933	
		RETAINING WALL NO. 2			
61	—	CONCRETE IN PERMANENT REINFORCED CONCRETE FACE WALL	CY	108	
66	4A11RFS	REINFORCEMENT STEEL, EPOXY COATED	LBS	18,000	
67	4A55CPS	CONCRETE PENETRATING SEALER TREATMENT	SF	1,400	
130	—	TIER 1 GROUND ANCHOR TIEBACKS	EA	13	
131	—	TIER 2 GROUND ANCHOR TIEBACKS	EA	13	
132	—	BULKHEAD UNDERPINNING	SF	660	
133	—	BRIDGE ABUTMENT VIBRATION MONITORING	LS	1	
		RETAINING WALL NO. 3			
120	N4ZF003	MSE RETAINING WALL NO. 3	SF	2,060	
		RETAINING WALL NO. 4			
121	N4ZF004	MSE RETAINING WALL NO. 4	SF	2,480	
		RETAINING WALL NO. 6			
18	2C04EMB	POROUS FILL			
19	2E01FEX	FOUNDATION EXCAVATION	CY	340	
20	—	COARSE AGGREGATE LAYER	CY	373	
360	—	STREETSCAPE CONCRETE RETAINING WALL NO. 6	SF	60	
				2,280	



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

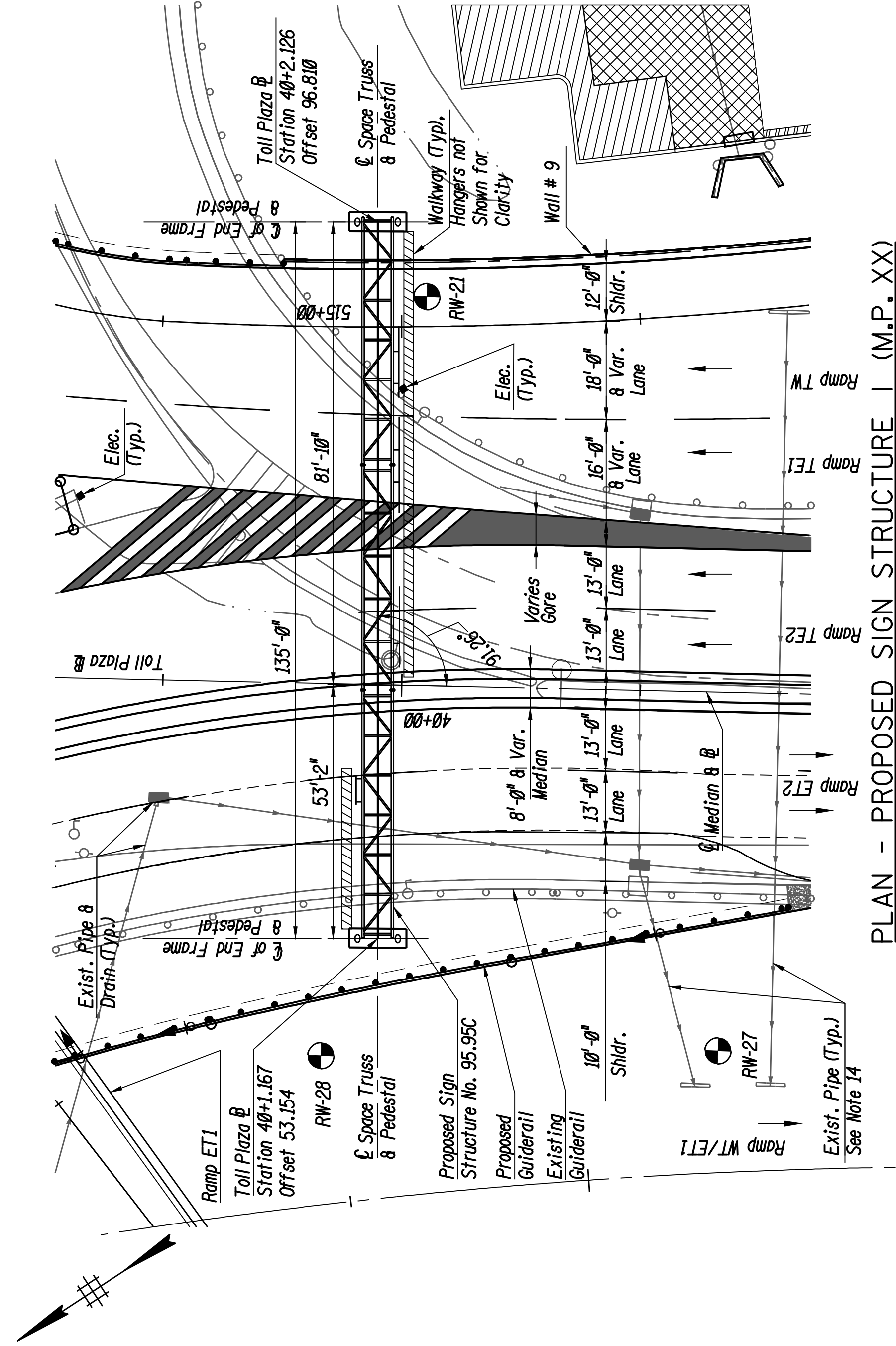
ESTIMATE OF QUANTITIES BRIDGE -1-

No.	DATE	REVISION

FILE NAME: XXXXX

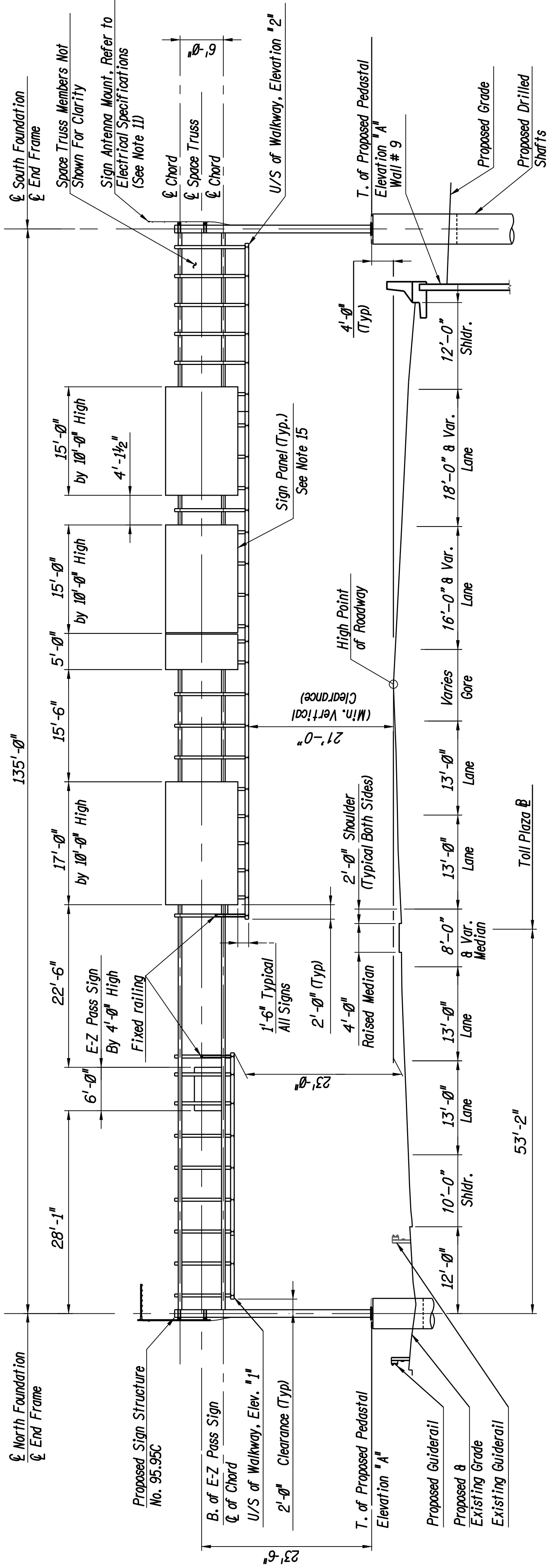
SAMPLE PLAN SHEET NO. 45 OF 69

ORIGINAL SHEET			
SAMPLE PLAN REVISION			
DATE	BY	DATE	
5-08	XXX	XX-XX-XX	
	MADE	XXX	XX-XX-XX
	TRACED	XXX	XX-XX-XX
	CHECKED	XXX	XX-XX-XX
	SUPERVISED	XXX	X-XXXX
0			



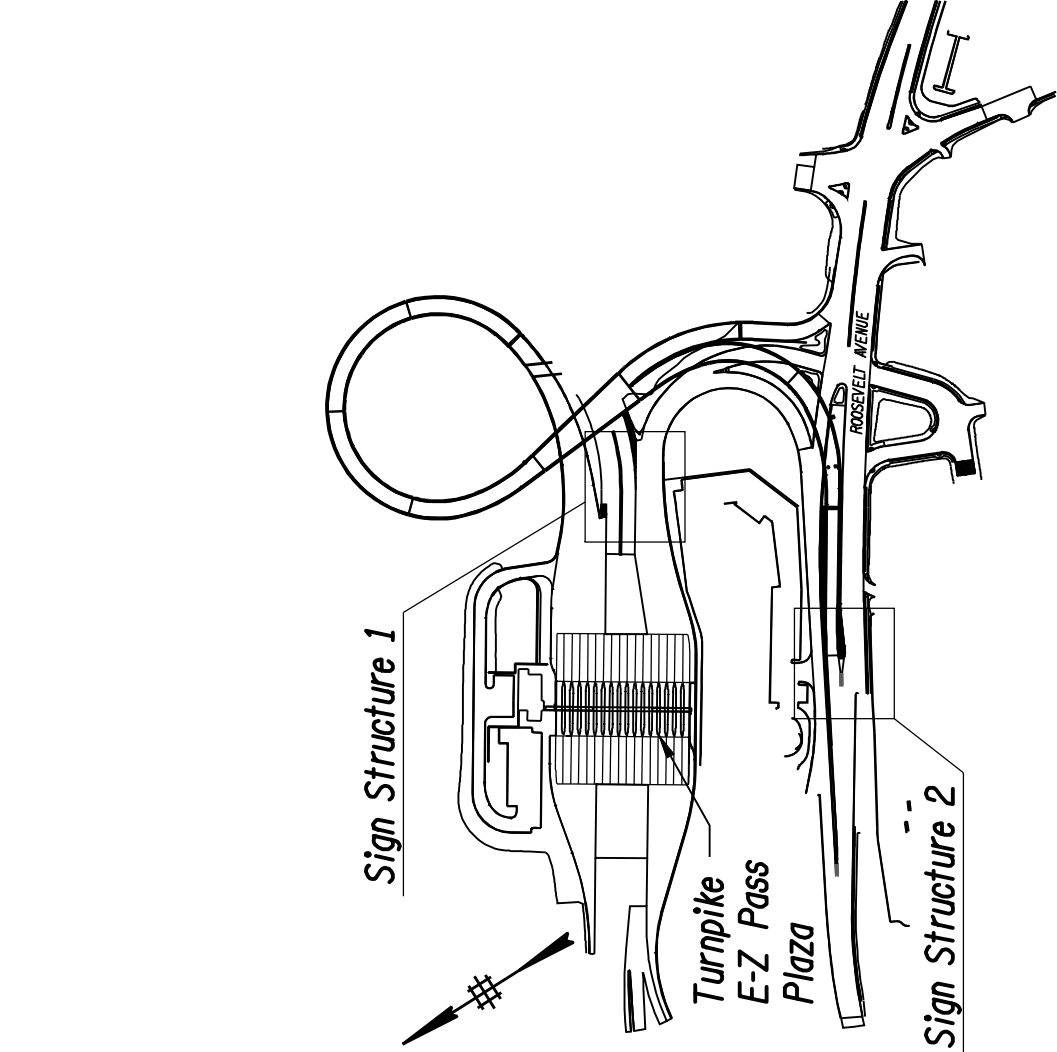
PLAN - PROPOSED SIGN STRUCTURE I (M.P. XX)

1" = 20'-0"



ELEVATION - PROPOSED SIGN STRUCTURE I (M.P. XX)

1" = 10'-0"



KEY PLAN

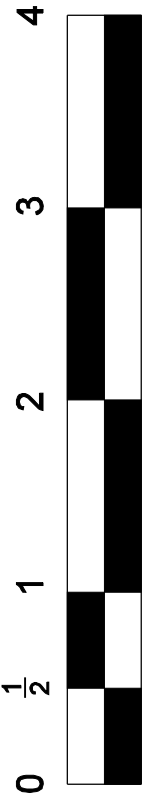
1" = 400'-0"

LEGEND

⊙ Boring, See Note 13

GENERAL AND STRUCTURAL NOTES:

- Specifications:
 - American Association of State Highway and Transportation Officials (AASHTO) 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 4th Edition with all current Interims through 2003.
 - All construction and materials shall be in accordance with the 2004 New Jersey Turnpike Authority Standard Specifications, 5th Edition.
- No field welding shall be permitted.
- Structural steel plates and shapes shall be ASTM A709, Grade 50W (Fy = 50,000 PSI), unless noted otherwise.
- All high strength bolts shall be ASTM A325X (threads excluded from shear plane), unless noted otherwise. Nuts shall conform to ASTM A563 and washers to ASTM F436, unless noted otherwise. Bolts, nuts and washers shall be galvanized in accordance with ASTM A153.
- All anchor bolts shall be ASTM A449. Nuts shall conform to ASTM A563 and plate washers to ASTM A709, Grade 50. Bolts, nuts and plate washers shall be galvanized in accordance with ASTM A153.
- All shop drilled holes in structural steel shall be $\frac{1}{16}$ " larger and all field drilled holes in structural steel shall be $\frac{1}{8}$ " larger than the nominal diameter of the fastener, unless noted otherwise or as approved by the Engineer.
- All end frame pedestal concrete shall be Class A (f'c = 4,500 PSI) and all drilled shaft concrete shall be Class B (f'c = 4,000 PSI). All reinforcement steel shall be ASTM A615, Grade 60 (Fy = 60,000 PSI) epoxy coated.
- All contacting surfaces shall have full bearing and shall be thoroughly cleaned by hand to remove any loose or foreign material as approved by the engineer.
- Prior to the fabrication or installation of any materials shown, the contractor shall verify with the existing available plans and in the field all dimensions and existing conditions.
- Known utilities, including the location of the fiber optical line, have been shown graphically. The Contractor is responsible to accurately locate via test pits all utilities in the area of the proposed foundations and guard rail post installations.
- New wiring to the new YAGI antenna shall be furnished and installed from the antenna to the existing sign controller RTU Cabinet by means of aerial installation, as directed by the Engineer in the field.
- Elevation "A" shall be set 4'-0" above high point of roadway. Underside of Elevation "1" and "2" shall be set 23'-0" and 21'-0" above the high point of roadway, respectively.
- See Drawing Soil Boring for soil boring data.
- Location of utilities shown represent best available data. Prior to work contractor shall coordinate location of utilities through proper authorities.
- All sign panels shall be positioned horizontally as shown. Vertical position of sign panels shall be centered about centerline of truss unless noted otherwise. E-Z Pass sign panel shall be positioned with bottom edge at the centerline of bottom chord as shown.



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY
ROADWAY NAME
PROJECT DESCRIPTION

CONTRACT NO.

OVERHEAD SIGN STRUCTURE NO. XX, M.P. XX
GENERAL PLAN AND ELEVATION

NAME OF CONSULTANT
ADDRESS
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXX

SCALE: AS NOTED
DATE: MAY 2008

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXX

No.	DATE	REVISION	

GENERAL NOTES

1. DESIGN SPECIFICATIONS:
 - 2004 NEW JERSEY TURNPIKE AUTHORITY STANDARD SPECIFICATIONS, AND SUPPLEMENTARY SPECIFICATIONS.
 - 2007 NEW JERSEY TURNPIKE AUTHORITY DESIGN MANUAL (WITH UPDATES)
 - AASHTO GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS, 1989 INCLUDING 1992 AND 2002 INTERIMS.
 - 2002 (11TH EDITION) AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (W/INTERIMS) AS MODIFIED BY THE NITA DESIGN MANUAL.

- ## 2. DESIGN METHOD: ALLOWABLE STRESS

3. LIVE LOADS:
90 M.P.H. WIND (FOR DESIGN PRESSURES, SEE BELOW)
RATING VEHICLE ON EXISTING STRUCTURES HS-20 (36 TON).

- #### 4. MATERIALS:

CONCRETE:

CONCRETE IN CAISSON FOUNDATIONS

PRECAST CONCRETE (PANELS AND POSTS)

CONCRETE BARRIER CURB

CLASS C

CLASS A

CLASS A

REINFORCEMENT STEEL:

ASTM A615, GRADE 60

WELDED WIRE FABRIC:

AS/IM A497, GRADE 70
(SOUND BARRIER PANELS ONLY)

- ### 5. DESIGN STRENGTHS:

3,500 PSI	4,500 PSI	4,500 PSI	60,000 PSI	70,000 PSI
CONCRETE COMPRESSIVE STRENGTH, F' _C	CONCRETE IN CAISSON FOUNDATIONS	PRECAST CONCRETE (SOUND BARRIER)	CONCRETE BARRIER CURB	REINFORCEMENT STEEL YIELD STRENGTH, F _y
			WELDED WIRE FABRIC YIELD STRENGTH, F _y	(SOUND BARRIER PANELS ONLY)

- ## 6. DESIGN WIND PRESSURE:

	DISTANCE, FEET	GROUND MOUNTED SOUND BARRIER	BIDGE STRUCTURES, RETAINING WALLS OR TRAFFIC BARRIERS
		PSF	PSF
CENTROID OF SOUND BARRIER			

0' TO 14'
14' TO 29'
OVER 29'

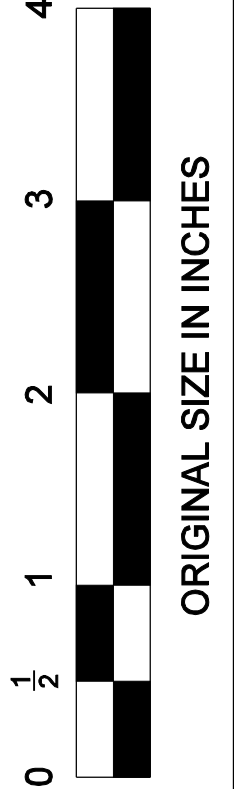
- ## 7. DESIGN ALLOWABLE STRESS, SOUND BARRIER

CONCRETE, (f _c)	1,800 PSI
REINFORCEMENT STEEL:	24,000 PSI

8. EXTEND COLD APPLIED JOINT SEALER AND BACKER ROD FOR PANELS OVER TOP OF PANELS.

9. GROUND MOUNTED SOUND BARRIER CONCRETE SHALL BE NORMAL WEIGHT CONCRETE.

10. CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED GROUND ELEVATIONS PRIOR TO FABRICATION OF POSTS AND PANELS.



NEW JERSEY TURNPIKE AUTHORITY	ROADWAY NAME	PROJECT DESCRIPTION

CONTRACT NO.

NOISE BARRIER WALL GENERAL PLAN AND ELEVATION -1-

NAME OF CONSULTANT	ADDRESS	CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXXXX

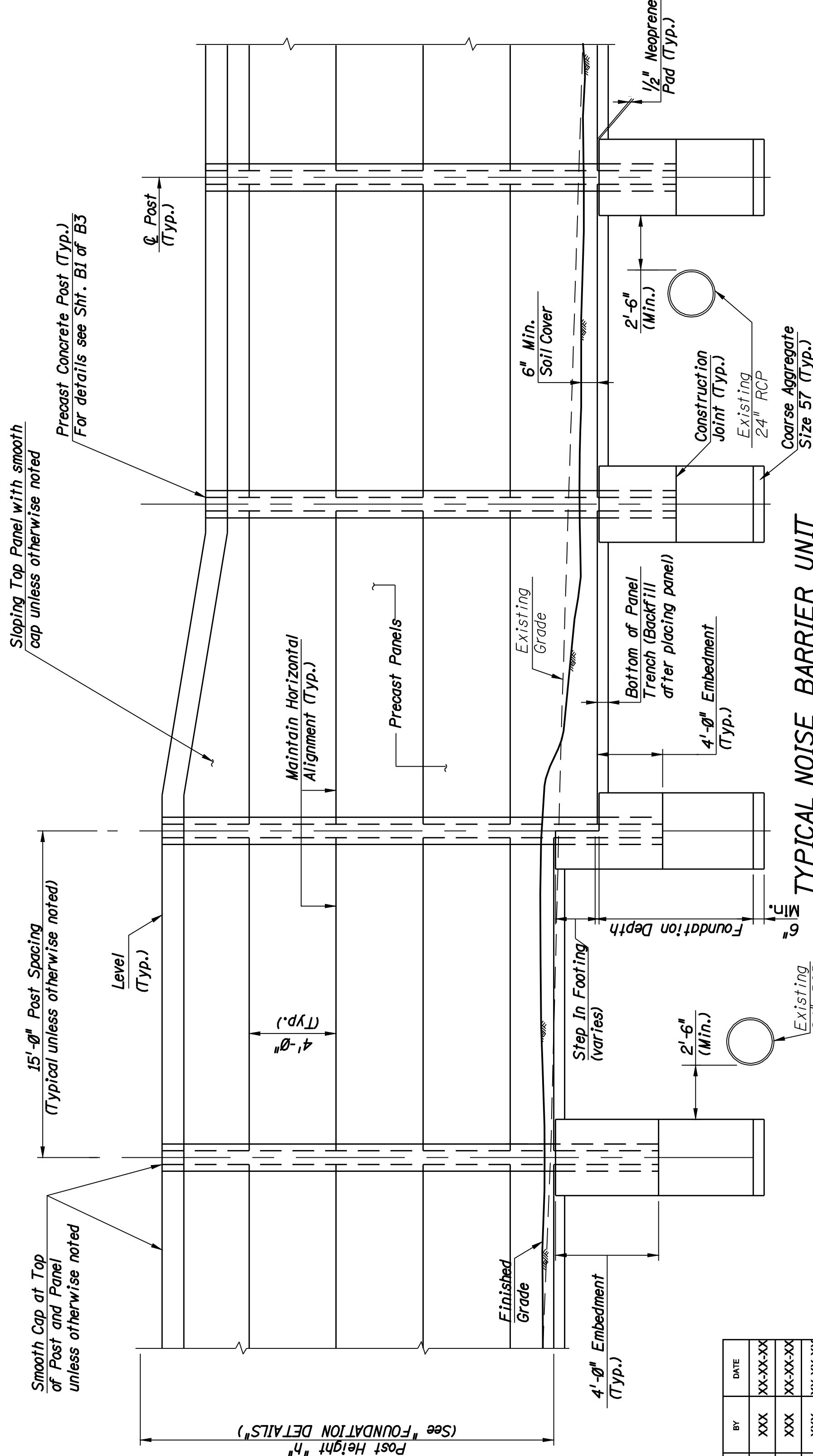
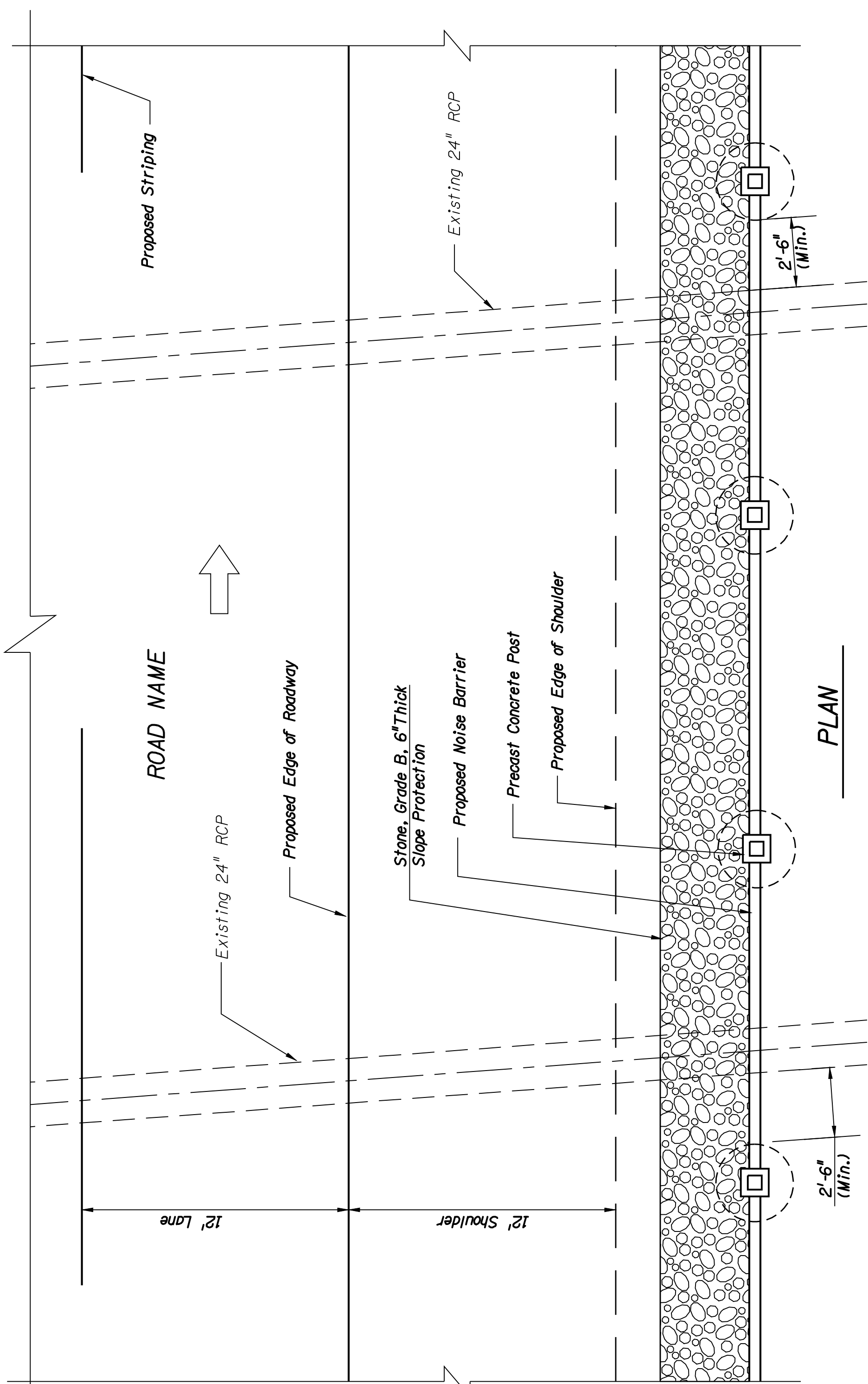
JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXX

SCALE: 1/4" = 1'-0"
DATE: MAY 2008

LE NAME: XXXX

SAMPLE PLAN SHEET NO. 50 OF 69

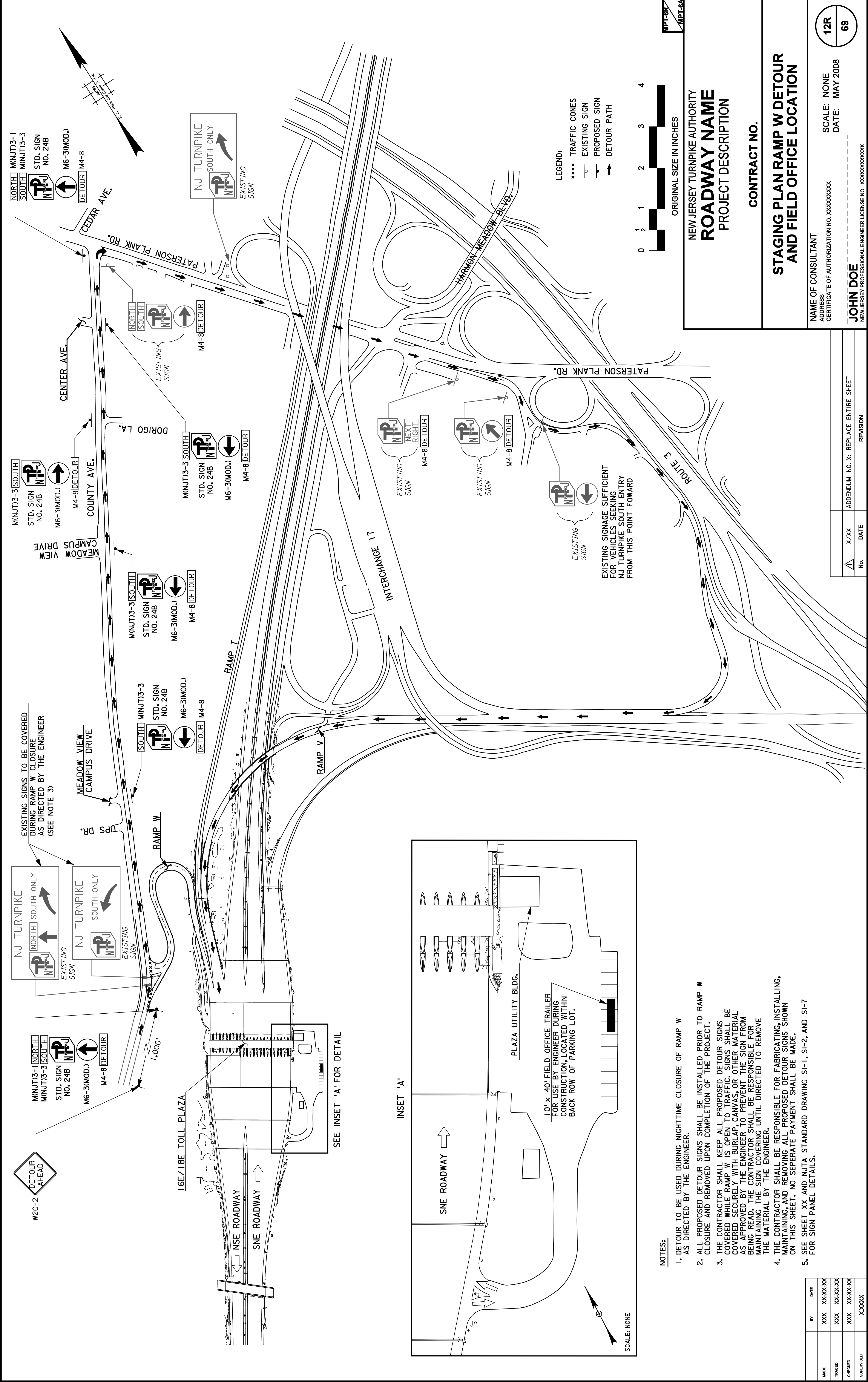


TYPICAL NOISE BARRIER UNIT

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X XXXX	

No.	DATE	REVISION

50	69
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[illegible]

	X/XX		ADDENDUM NO. X: REPLACE ENTIRE SHEET
No.	DATE		REVISION

NAME OF CONSULTANT

ADDRESS

CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: NONE

DATE: MAY 2008

12R

69

JOHN DOE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXX

ESTIMATE OF QUANTITIES

ITEM NO.	UNIT CODE	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	AS BUILT QUANTITY
1	1D01LAY	CONSTRUCTION LAYOUT	LUMP SUM	1	1
2	1D10MOB	MOBILIZATION	LUMP SUM	1	1
3	2A02CAG	CLEARING AND GRUBBING	LUMP SUM	1	1
4	2B02REX	ROADWAY EXCAVATION, EARTH	CUBIC YARD	40	40
5	2C02EMB	EMBANKMENT, GRADE A	CUBIC YARD	30	30
6	2D01CEX	CHANNEL EXCAVATION	CUBIC YARD	120	120
7	2C03SEC	STONE, GRADE C	TON	10	45
8	2H30TEC	SILT FENCE	LINEAR FOOT	1825	1569
9	2H40TEC	INLET FILTERS	EACH	1	1
10	3C01BRS	BERM SURFACING, 3" THICK	SQUARE YARD	36	36
11	4A07LMC	LATEX MODIFIED CONCRETE OVERLAY, 2" THICK	CUBIC YARD	120	120
12	-	BRIDGE APPROACH SLAB	SQUARE YARD	80	85
13	4A01STC	CONCRETE IN SUBSTRUCTURE ABOVE FOOTINGS	CUBIC YARD	23	23
14	4A20BPB	BARRIER PARAPET, BRIDGE	CUBIC YARD	30	30
15	4C01SSC	SHEAR CONNECTORS	EACH	816	730
16	4C05SSL	STRUCTURAL STEEL (26,000 LBS)	LUMP SUM	1	1
17	4003BDR	CONCRETE DECK REPLACEMENT WITH CATCHES	SQUARE YARD	130	130
18	-	REMOVAL OF EXISTING CONCRETE, SUBSTRUCTURE	LUMP SUM	1	1
19	4050JUR	DECK JOINT RECONSTRUCTION	LINEAR FOOT	5	2
20	-	GROUND MOUNTED POST	LINEAR FOOT	3470	3426
21	-	GROUND MOUNTED SOUND BARRIER PANEL	SQUARE FOOT	28,431	28,007
22	-	BRIDGE MOUNTED POST	LINEAR FOOT	210	208
23	-	BRIDGE MOUNTED SOUND BARRIER PANEL	SQUARE FOOT	3600	3609
24	-	BRIDGE MOUNTED END POST	LINEAR FOOT	90	92
25	4ZA40CRS	CRUSHED STONE	LINEAR FOOT	10	0
26	NSB0003	18" CORRUGATED METAL PIPE	LINEAR FOOT	3	3
27	5B18CME	18" CORRUGATED METAL FLARED END SECTIONS	EACH	1	1
28	5B15RC4	15" REINFORCED CONCRETE PIPE, CLASS IV	LINEAR FOOT	88	114
29	5B15RCE	15" REINFORCED CONCRETE FLARED END SECTIONS	EACH	5	5
30	5C01ND1	INLET, TYPE D1	EACH	5	5
31	5E02ALC	ASPHALT CONCRETE LIP CURB INLET	EACH	1	1
32	5H05CMB	CONCRETE MEDIAN BARRIER	LINEAR FOOT	1190	1198
33	5I01SNP	SIGN PANELS	SQUARE FEET	16	100
34	5I06SPP	FLANGED CHANNEL POST	LINEAR FOOT	24	24
35	5J01PPC	PARAPET CONNECTION, TYPE C	EACH	1	1
36	5J01PCG	PARAPET CONNECTION, TYPE G	EACH	1	1
37	5J05ETT	SLOTTED RAIL TERMINAL	EACH	1	1
38	5J05GRA	GUIDE RAIL, TYPE A	EACH	1	1
39	5J10RGA	RESET GUIDE RAIL, TYPE A	LINEAR FOOT	50	50
40	5001DGM	DELINEATOR, GROUND MOUNTED	LINEAR FOOT	30	0
41	5P01PTS	PAVEMENT STRIPING	EACH	3	11
42	5P05REM	STRIPING REMOVAL	LUMP SUM	1	1
43	5P10TMP	TEMPORARY PAVEMENT STRIPING	LUMP SUM	1	1
44	5002MFO	MAINTAIN FIELD OFFICE	LINEAR FOOT	6300	2220
45	5V01PIT	TEST PITS	MONTH	6	2
46	5V02PIT	TEST PIT EXTRA DEPTH	EACH	5	0
47	7D01SED	SEEDING, TYPE A	LINEAR FOOT	100	0
48	8B01MPT	FURNISHING CONCRETE BARRIER	SQUARE YARD	180	180
49	-	FURNISHING ARROW BOARD	LINEAR FOOT	1750	1750
50	8C01MLR	MAINTENANCE AND PROTECTION OF TRAFFIC ON STATE HIGHWAY ROUTE 33	EACH	1	0
51	3B26TAC	TACK COAT	LUMP SUM	1	1
52	3E05PMR	PAVEMENT REMOVAL, 1 1/2 INCH DEPTH	GALLON	—	139
53X	4A10RFS	REINFORCEMENT STEEL	SQUARE YARD	—	1463
54X	4A11RFS	REINFORCEMENT STEEL, EPOXY COATED	POUNDS	—	7400
55X	-	ASPHALT CONCRETE SURFACE AND LEVELING COURSE	POUNDS	—	16,300
56X	-	FURNISHING ARROW BOARD, SOLAR POWERED	TON	—	206
57X	-	TRAFFIC CONTROL AND SURVEY LAYOUT FOR RIGHT SHOULDER RESURFACING	LUMP SUM	—	1
58X	-	REPLACE GUIDERAIL	LUMP SUM	—	1
59X	-	SOIL STABILIZATION MATTING	LUMP SUM	—	1
60X	-	RESET EXISTING 18 INCH R.C.C.P. AND CONSTRUCT CONCRETE HEADWALL	SQUARE YARD	—	1478
61X	-	TWENTY ONE (21) CALENDAR DAY EXTENSION OF TIME	LUMP SUM	—	1
62X	-	STRUCTURE 67.89, CLEAN SCUPPER DOWN PIPING	—	—	—
63X	-	CREDIT FOR UNRETURNED TRAFFIC DEVICES	LUMP SUM	—	1

	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

DATE	No.
5-08	0

△	X/XX	AS-BUILT
No.	DATE	REVISION

AS-BUILT

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

EQ-1

NAME OF CONSULTANT		SCALE: NONE		4	
ADDRESS		DATE: MAY 2008		133	
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXXXX					
JOHN DOE					
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXXXXX					

