

County of Cape May Department of Public Works

PLANS OF

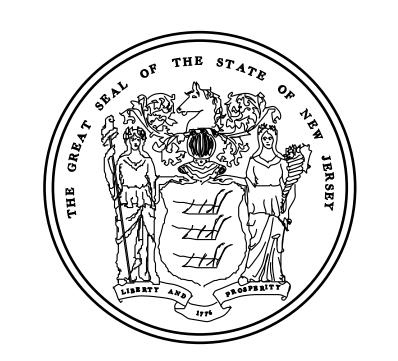
3RD AVENUE (C.R. 619)

FROM 99TH STREET TO 80TH STREET

RESURFACING IMPROVEMENTS

FEDERAL PROJECT NO. STBGP-0619(343)

NJDOT JOB NO. 5910302



UTILITIES

COMCAST COMMUNICATIONS (CABLE LINES)

ATLANTIC CITY ELECTRIC (ELECTRIC LINES)

VERIZON, NJ INC. (TELEPHONE LINES)

SOUTH JERSEY GAS COMPANY (GAS MAINS)

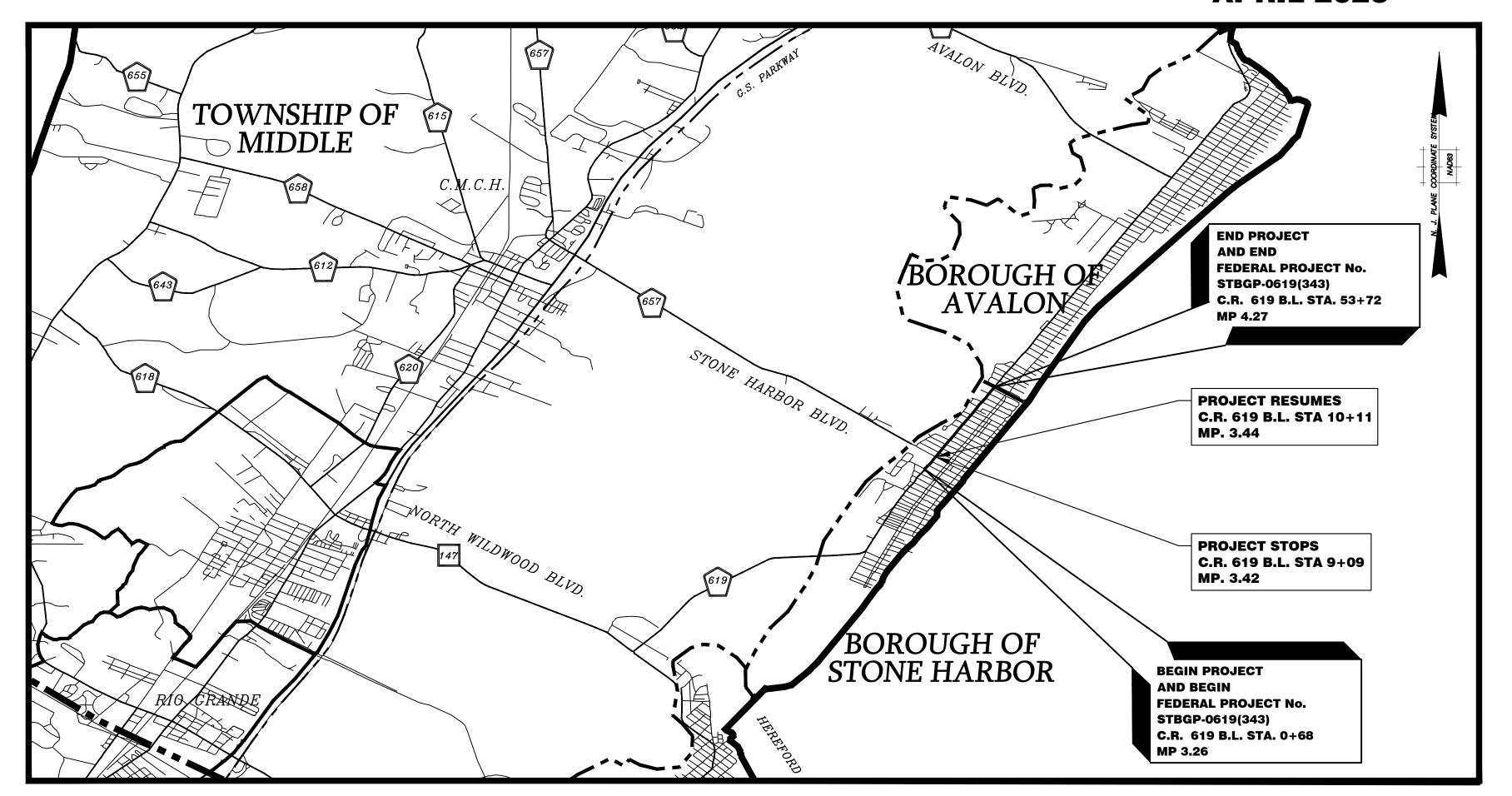
CAPE MAY COUNTY MUNICIPAL UTILITIES AUTHORITY (SEWER FORCE MAIN)

BOROUGH OF STONE HARBOR PUBLIC WORK (SEWER AND WATER)

CAPE MAY COUNTY ELECTRICAL DIVISION (TRAFFIC SIGNALS)

BOROUGH OF STONE HARBOR SCALES AS INDICATED

CAPE MAY COUNTY APRIL 2023



"CHANGES MADE TO THESE PLANS SINCE SIGNATURE BY THE CONSULTANT MAY
BE DETERMINED BY COMPARISON OF THE PLANS FILED AT THE CAPE MAY COUNTY
DEPARTMENT OF PUBLIC WORKS AND THOSE FILED WITH THE OFFICE OF THE CONSULTANT"

KEY MAP NOT TO SCALE

Stantec Consulting Services Inc. C.O.A. No. 24GA28064600

MICHAEL P. O'DONNELL

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03994700

TOTAL LENGTH OF PROJECT = 5,304 FEET OR 1.01 MILES
TOTAL LENGTH OF FEDERAL PROJECT NO. STBGP-0619(343) = 5,304 FEET OR 1.01 MILES

NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019
AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS, TO GOVERN

į į	INDEX OF SHEETS
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	ESTIMATE OF QUANTITIES
4	TYPICAL SECTION
5	CONSTRUCTION LEGEND
6-11	CONSTRUCTION PLANS
12-17	DRAINAGE AND SOIL EROSION CONTROL PLANS
18-19	SOIL EROSION CONTROL NOTES AND DETAILS
20-21	PROFILE
22	TIES
23-28	GRADING & UTILITY PLANS
29-34	MAINTENANCE AND PROTECTION OF TRAFFIC
35-37	ELECTRICAL PLANS
38-43	TRAFFIC SIGNING AND STRIPING PLANS
44-48	CONSTRUCTION DETAILS
49-52	CURB RAMP DETAILS

STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS BOOKLET DATED 2016 AND STANDARD ELECTRICAL DETAILS DATED 2007, AND UPDATES BY BASELINE DOCUMENT CHANGES ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

MID-POINT OF PROJECT LONGITUDE: 74°45'27" W LATITUDE: 39° 03' 30" N

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT 1-800-272-1000 FOR LAYOUT OF ALL UNDERGROUND UTILITIES.

DIRECTOR, CAPE MAY COUNTY BOARD OF COMMISSIONERS DAT

RECOMMENDED FOR APPROVAL
ROBERT CHURCH, P.E.
CAPE MAY COUNTY ENGINEER
N.J.P.E. LICENSE NO. 24GE03469600

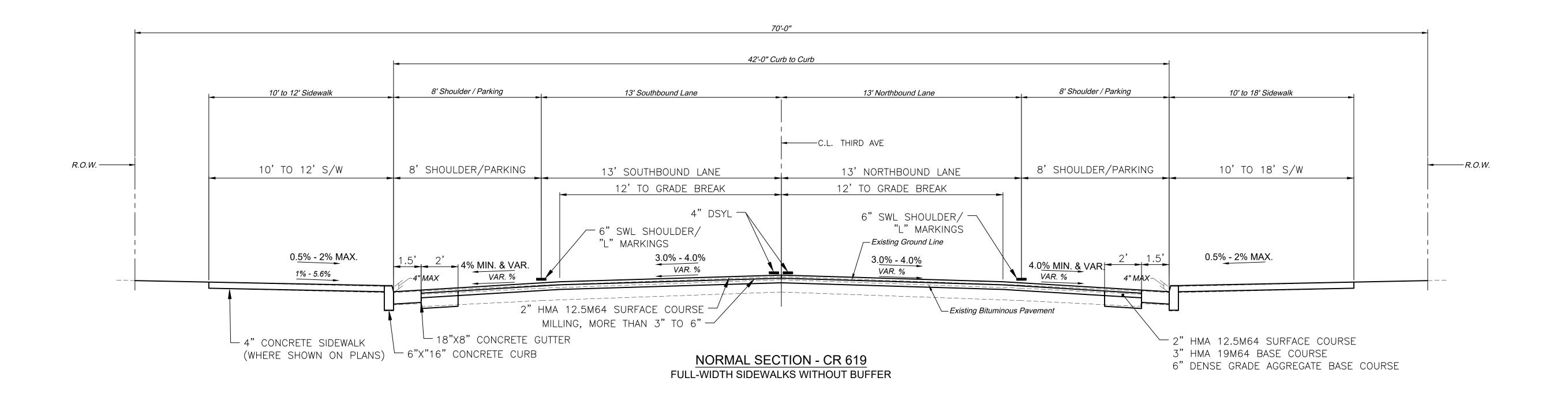
DATE

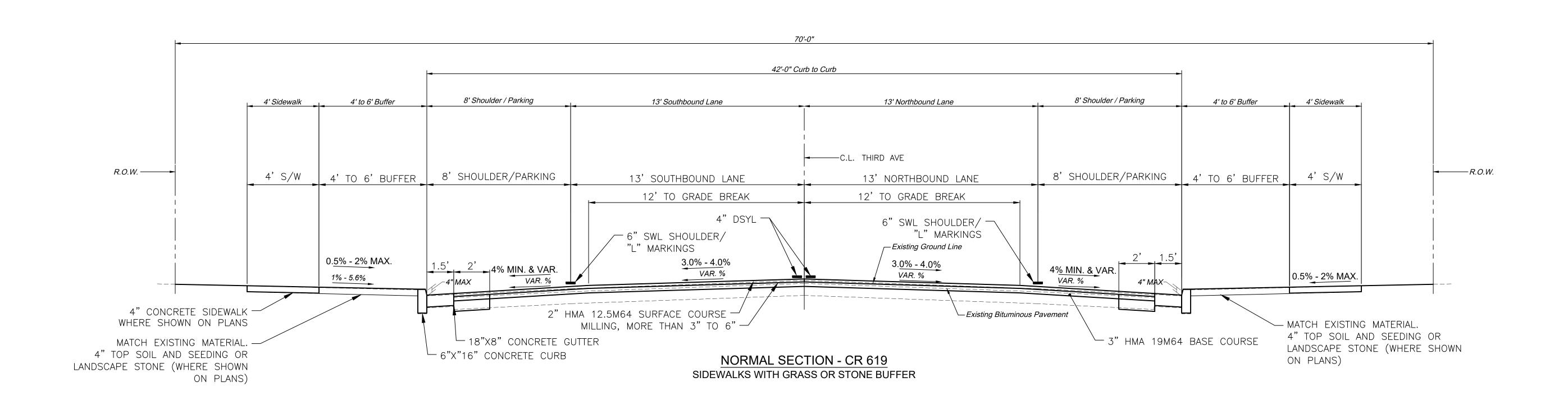
ITEM	SEQ.	DESCRIPTION	UNIT	CONTRACT QUANTITY	PLAN SHEET	IF AND WHERE	AS-BUILT											DIST	RIBUTIC	N: PL	AN SHE	EET QI	JANTIT	Υ									FEDERAL PROJECT N
NO . 154003P	NO.	MOBILIZATION	LS	LS	SHEET TOTAL	DIRECTED	QUANTITY C-	1 C-2	C-3	C-4	C-5	C-6	DSE-1	DSE-2	DSE-3	DSE-4	DSE-5	DSE-6 G	1 G-2	G-3	G-4	G-5	G-6	E-1	E-2 E-3	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	N.J.	STBGP-0619(343)
153009P		BAR CHART PROGRESS SCHEDULE AND UPDATES	LS	LS																										·		i	
51006M		PERFORMANCE BOND AND PAYMENT BOND	LS	LS																												i -	
57004M		CONSTRUCTION LAYOUT	LS	LS																													
58030M		INLET FILTER TYPE 2, 2' X 4' INLET FILTER TYPE 2, 4' X 4'	UNIT	98 18	98	_							13	24	14	19	12	16											<u> </u> '			<u> </u>	
58033M 158063P		CONCRETE WASHOUT SYSTEM	UNIT LS	LS	18							1	1	2	4	3	4	4											 				
58072M		OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1		1																											
59003M		BREAKAWAY BARRICADE	UNIT	31		31																							<u> </u>				
59006M 59009M	10 11	DRUM TRAFFIC CONE	UNIT	60		60						1																	 	<u> </u>			
59012M	12	CONSTRUCTION SIGNS	SF	1181		1181																										·	
59027M		FLASHING ARROW BOARD, 4' X 8'	UNIT	2		2																											
59030M 59141M		PORTABLE VARIABLE MESSAGE SIGN TRAFFIC DIRECTOR, FLAGGER	UNIT	3 400		400						1																	<u> </u>				
60004M		FUEL PRICE ADJUSTMENT	HOUR DOLL	DOL		400						1					+													;			
60007M	17	ASPHALT PRICE ADJUSTMENT	DOLL	DOL																													
161003P	18	FINAL CLEANUP	LS	LS		1						1																	<u> </u> '				
201003P 202006M	19 20	CLEARING SITE EXCAVATION, TEST PIT	LS CY	LS 200		200						+																	 	,——		<u> </u>	
202000M 202009P		EXCAVATION, UNCLASSIFIED	CY	1700	1343	357	20	7 268	225	243	254	146																					
203021P		I-14 SOIL AGGREGATE	CY	200	189	11		189																									
302060P		COARSE AGGREGATE, SIZE NO. 57 HMA MILLING, MORE THAN 3" TO 6"	CY	50	22200	50	353	2040	2740	4270	4240	2555																	<u> </u> '				
101012P 101027M		POLYMERIZED JOINT ADHESIVE	SY LF	25000 30000	22380	2620 30000	35.	3940	3740	4370	4240	2555																				<u>_</u>	
101030M	26	TACK COAT	GAL	2920		2920																										i	
101036M		PRIME COAT	GAL	270		270																							<u> </u>			,	
101054M 101096M		HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE HOT MIX ASPHALT 19 M 64 BASE COURSE	SY SY	27200 27200	24489 24489	2711 2711	388			4796 4796	4669 4669	2713 2713														-			 	,			
401LC		HOT MIX ASPHALT 12.5 M 64 LEVELING COURSE	TON	450	27700	450	300	-290	7121	7130	7008	-110									+	+								,———			
DIP10	31	10" DUCTILE IRON PIPE	LF	500	482	18							6	92	157	57	170																
01680M		16" DUCTILE IRON PIPE	LF	210	191	19							40	11	13	81	64	22											<u> </u> '				
601681M 601684M		18" DUCTILE IRON PIPE 12" DUCTILE IRON PIPE	LF LF	60 1600	49 1343	257							49 25	371		424	357	166											 				
602009M		INLET, TYPE A	UNIT	34	34							1	3	9	5	5	11	1														i	
602012M		INLET, TYPE B	UNIT	2	2													2															
602018M 602019M		INLET, TYPE E INLET, TYPE DOUBLE E	UNIT	1	1	1						1	1		2		+												<u> </u>				
602019M		RESET EXISTING CASTING	UNIT	33	33								2	7	8	9	7													<u> </u>			
MHSQF		MANHOLE, SQUARE FRAME/ CIRCULAR COVER	UNIT	8	8									2			4	2														<u> </u>	
603009P		CONCRETE GUTTER, 8"X18"	LF	10000	9804	196	157	74 1625	1720	1850	1935	1100																					
ROCK36 606012P		ROCKER GUTTER, 8"X36" CONCRETE SIDEWALK, 4" THICK	LF	50 2700	38 2451	12 249	10	2 355	431	550	38 644	369					+												 			<u> </u>	
606028P		RESET PRECAST CONCRETE PAVERS	SY	500	2401	500	10	2 333	401	330	044	303																					
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	1200	1005	195	11	0 130	171	154	416	24																					
306084P		DETECTABLE WARNING SURFACE	SY	91	91	400	7	14	8	28	22	12																	<u> </u> '				
607018P 610003M		9" X 16" CONCRETE VERTICAL CURB TRAFFIC STRIPES, 4"	LF LF	10000 9000	9804 8166	196 834	157	74 1625	1720	1850	1935	1100														1272	1590	1344	1410	1610	940		
310006M		TRAFFIC STRIPES, 6"	LF	2300	2060	240						1														1030	1030	1		1		i	
310007M		TRAFFIC STRIPES, 8"	LF	850	772	78																				72	5	90	350	85	170		
310016M 310017M		TRAFFIC MARKING LINES, 12" TRAFFIC MARKING LINES, 24"	LF LF	1600	1478	122 87						1														453 133	633 360	54	54	266 120	18		
310017W		TRAFFIC MARKINGS SYMBOLS	SF	700 80	613 71	9																				65	6			120			
610PYC	54	PAINTED YELLOW CURB	LF	3800		3800																											
551255M		RESET WATER VALVE BOX	UNIT	68	68	1												2	13	12	22	10	9						<u> </u> '	<u> </u>			
352432M 352450M		RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING RESET SANITARY SEWER CLEANOUT	UNIT	46 18	46 18													1	9	3	5	7	7						 	<u> </u>			
553084M		RESET GAS VALVE BOX	UNIT	53	53							1						9	10	8	9	9	8										
701021P		3" RIGID METALLIC CONDUIT	LF	230	192	38																		28	16 148								
701099M		17" X 30" JUNCTION BOX	UNIT	3	3							1													3				<u> </u>			<u></u>	
'01135M '01144M		FOUNDATION, TYPE SPF FOUNDATION, TYPE SFK	UNIT	2	2		+ +			+											+			۷	2					,			
701192P		GROUND WIRE, NO. 8 AWG	LF	809	809																			269	324 216								
702012M		TRAFFIC SIGNAL STANDARD, ALUMINUM	UNIT	2	2																				2								
702018M 702021M		PEDESTRIAN SIGNAL STANDARD TRAFFIC SIGNAL MAST ARM, ALUMINUM	UNIT	4	2																-			2	2								
702021M 702027P		TRAFFIC SIGNAL MAST ARM, ALUMINUM TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	LF	685	685		+ +			+		1									+			457	228	+				,——			
702030P		TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	LF	621	621																			165	456								
702033P	69	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	LF	241	241																				241								
02036M 02038M	70	TRAFFIC SIGNAL HEAD PUSH BUTTON INSTALLATION	UNIT	2	2		+ +			1		1									1			2	2	-				,			
702039M		PEDESTRIAN SIGNAL HEAD	UNIT	6	6							1					+							2	4					;			
02041M		PUSH BUTTON ASSEMBILIES, TYPE APS	UNIT	12	12																			8	4								
02045M		IMAGE DETECTOR	UNIT	2	2																				2								
02060M 804000P		CONTROLLER TURN-ON TOPSOIL SPREADING, 4" THICK	UNIT SY	3	3 189	111			50	122		6												1	1 1								
304000P 304015P		BORROW TOPSOIL	CY	300 305	109	305	6	5	00	122		0									+	+								,			
806006P		FERTILIZING AND SEEDING, TYPE A-3	SY	300	189	111	6	5	50	122		6																					
808003P		SODDING	SY	150		150																											
ME0000		STRAW MULCHING STONE MULCHING	SY SY	300 400	189	111	6	5	50 58	122	13	6									1								<u> </u>				
09009M	01	O I OINE IVIOLOI IIING	ा	400	92	308				15	1 13	<u> </u>	1								1		<u> </u>				1					· A D C	
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BY		REVISION				CHK.	n/	TE		DU	NUUC	шОΓ	OIUN	і ПАІ	NOUK,	, UAPE	∟ IVI <i>I</i> -1 Y	COUNT	1								MICH						CONSULTING SERVICES, INC. AUREL, NEW JERSEY 0. 24GA28064600
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ITEM	SEQ.			CONTRACT	PLAN	IF AND	AS-BUILT						DI	STRIBUTION	N: PLAN SHE	ET QU	JANTITY					STATE	FEDERAL PROJ	ECT NO.
NO.	NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	SHEET	IF AND WHERE DIRECTED	OLIANITITY/	CP-1	CP-2 CP-3	CP-4 CP-5	CP-6 DSE-1	DSE-2 DSE-3 DSE-4			G-3 G-4	T		E-2 E-3	SS-1 SS-2	SS-3 SS-4	SS-5	SS-6 N.J.	STBGP-0619(34	43)
														19										1
																								+
		ALTERNATE ITEMS 3' ADDITIONAL DEPTH TYPE A INLET CONSTRUCTION	UNIT	20		20			<u> </u>		<u> </u>							 	<u> </u>					†
	A 1.2	3' ADDITIONAL DEPTH TYPE B INLET CONSTRUCTION	UNIT	2		2																		1
	A 1.3	3' ADDITIONAL DEPTH PIPE CONSTRUCTION FOR 10" PIPE	LF	200		200																		1
	A 1.4	3' ADDITIONAL DEPTH PIPE CONSTRUCTION FOR 12" PIPE	LF	600		600																		4
	A 1.5	3' ADDITIONAL DEPTH PIPE CONSTRUCTION FOR 16" PIPE	LF	300		300					1 1													t
	A 1.6	3' ADDITIONAL DEPTH PIPE CONSTRUCTION FOR 18" PIPE	LF	200		200					+ +			+				+ +						1
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										KES	UKFACING	OF THIRD AVEN	JE (CR 619)		DISTRIE	3 <i>UTIO</i>	N OF							
															│ QUA	NTITIE	S	CV COUNTY-NJ	DRAWI		PRIL 2023	SCALE:		T3 OF 52
														INITV	E	0Q-2		CAPE MAY COUNTY-NJ	APPRO	VED: NEW JERSEY PF	ROFESSIONA	L ENGINEER LICENSE NO	24GE03994700	04-2023 DATE
BY		REVISION			C	CHK.		DATE	:	POROUG		NE HARBOR, CAP	L IVIA I COU	INI I				Ser Control of the Co	MICH			, P.E. STANTED MOUNT C.O.A. N		

STATE FEDERAL PROJECT NO.

STBGP-0619(343)





				RESURFACING OF THIRD AVENUE (CR 619)	TYPICAL SECTIONS	A COUNTY-NY	COUNTY OF CAPE OFFICE OF THE COUNDERS OF THE C	
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	TS-1	CAPE MAY	APPROVED: NEW JERSEY PROFESSIONAL ENGINEER LICENSE MICHAEL P. O'DONNELL, P.E. STAN MOU C.O.A.	O4-2023 E NO 24GE03994700 DATE NTEC CONSULTING SERVICES, INC. JINT LAUREL, NEW JERSEY A. No. 24GA28064600

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

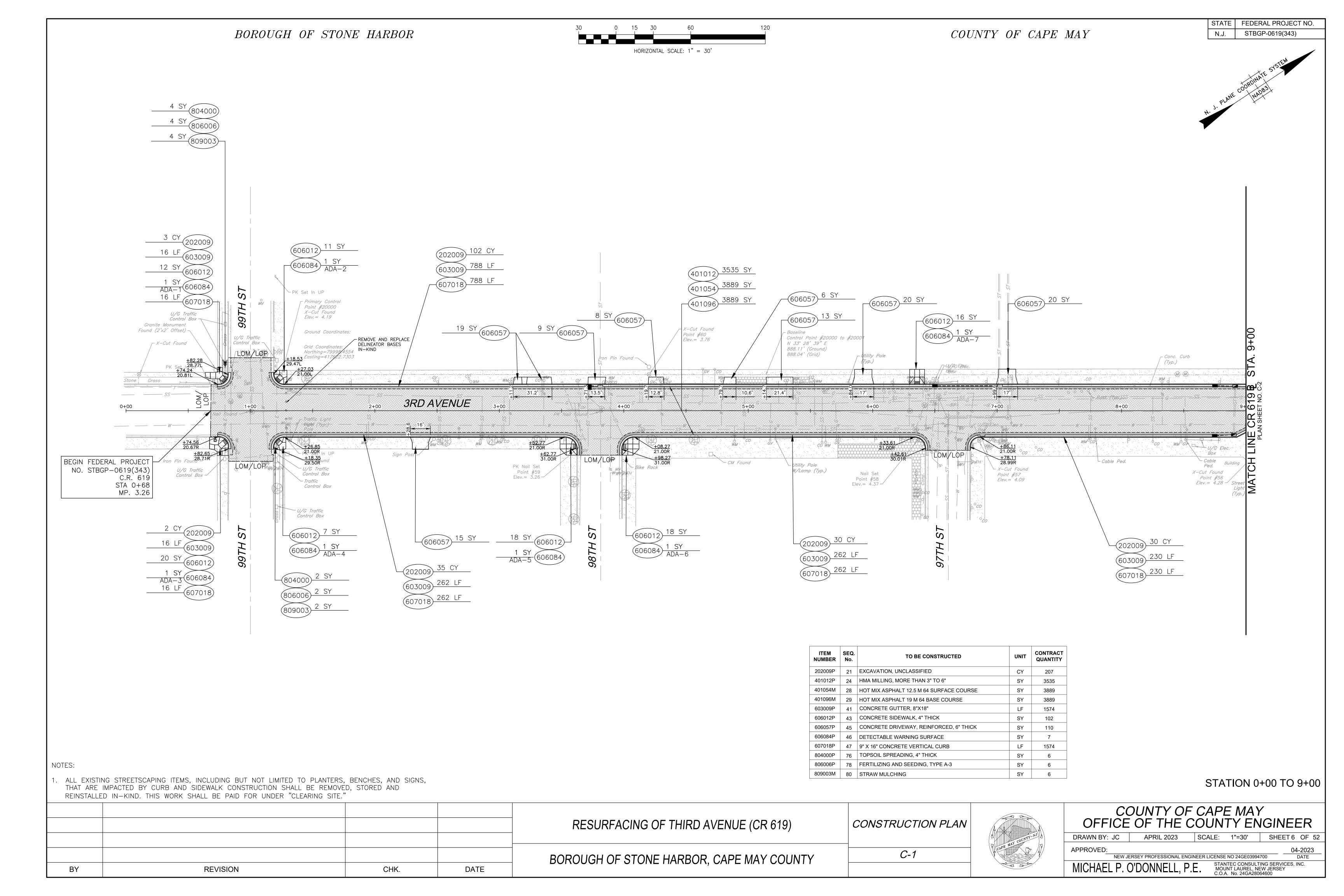
REVISION

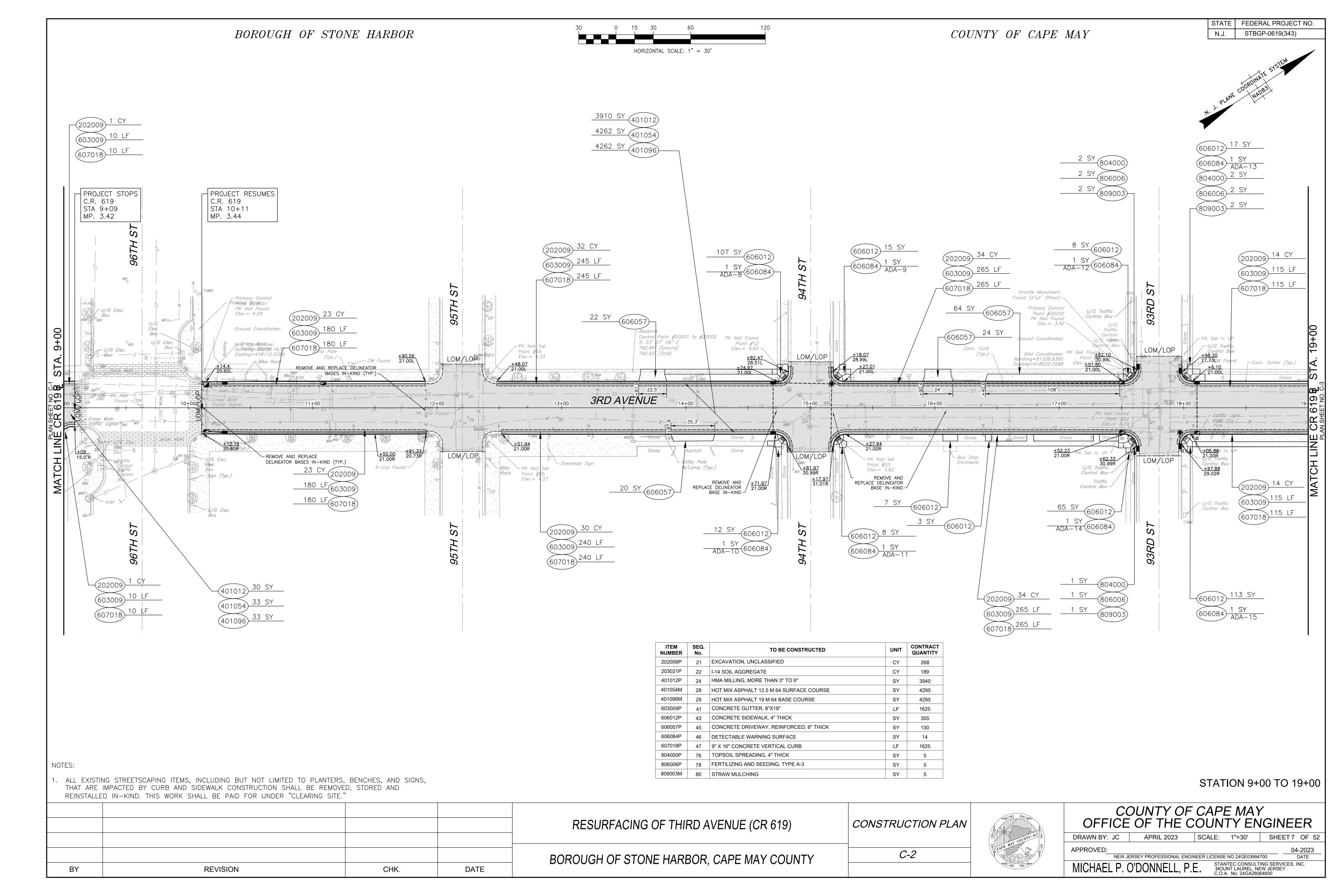
CHK.

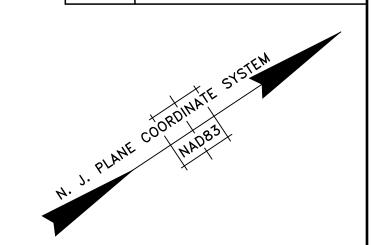
DATE

FEDERAL PROJECT NO. STBGP-0619(343)

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700

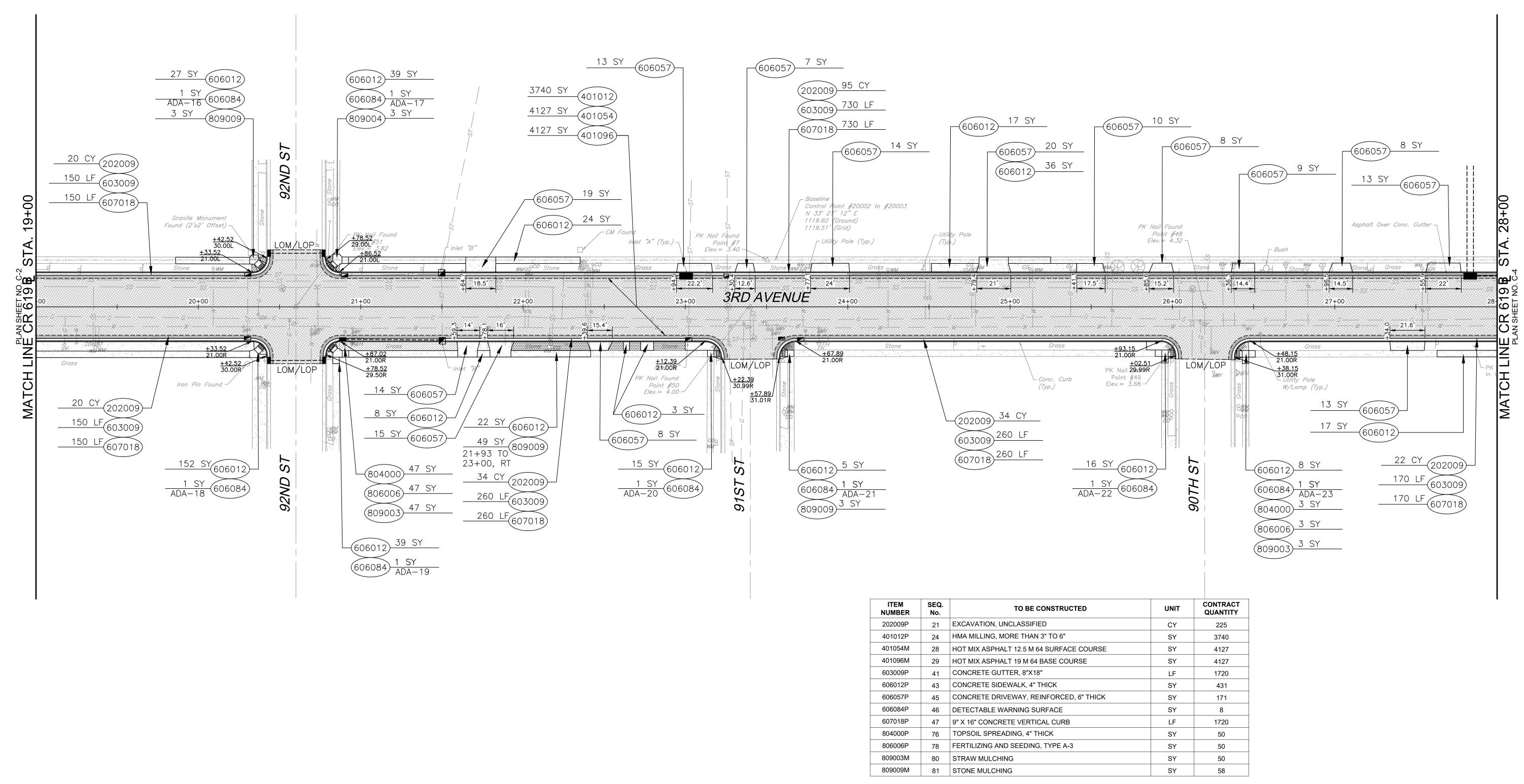






STATE FEDERAL PROJECT NO.

STBGP-0619(343)

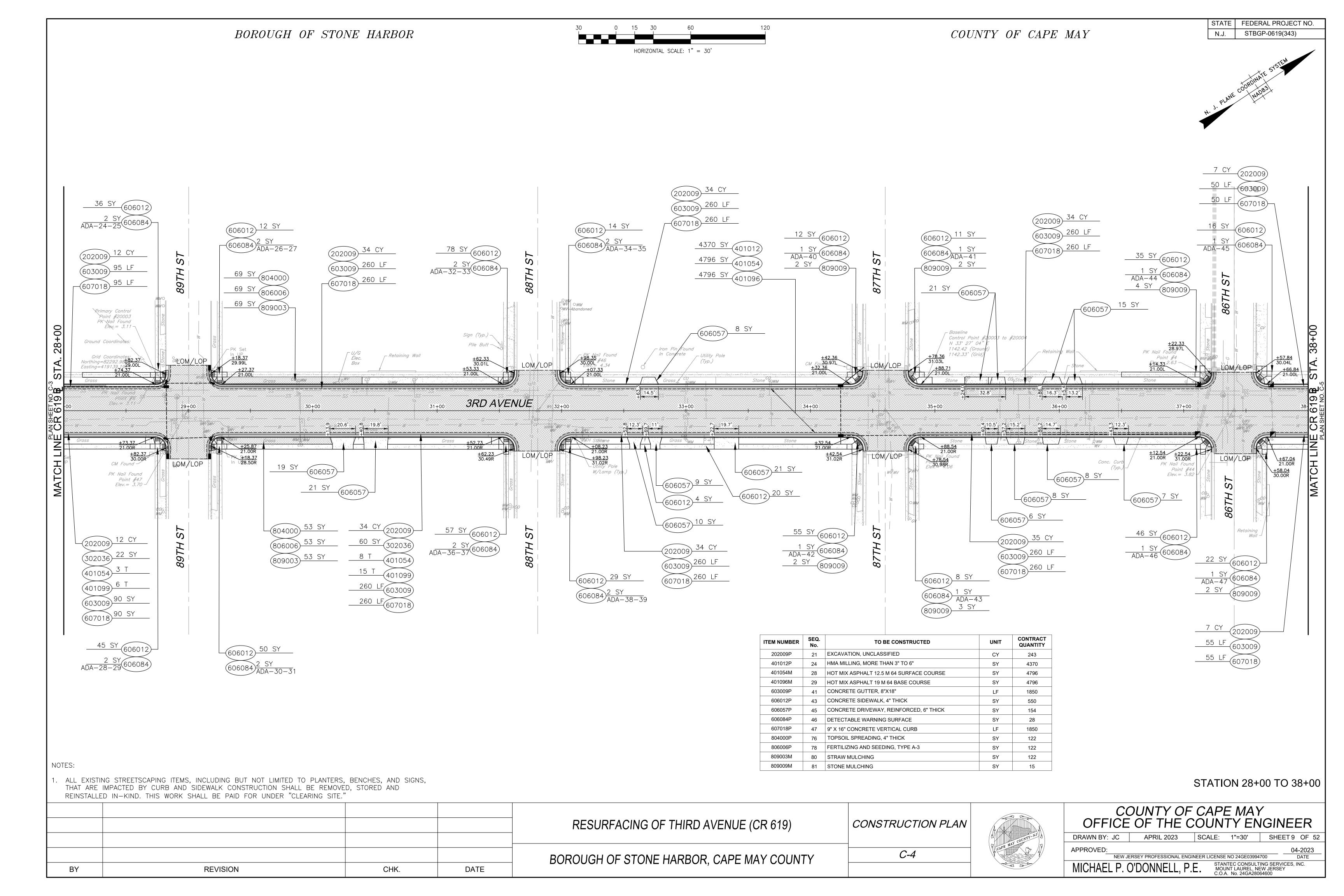


NOTES:

1. ALL EXISTING STREETSCAPING ITEMS, INCLUDING BUT NOT LIMITED TO PLANTERS, BENCHES, AND SIGNS, THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED AND REINSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE."

STATION 19+00 TO 28+00

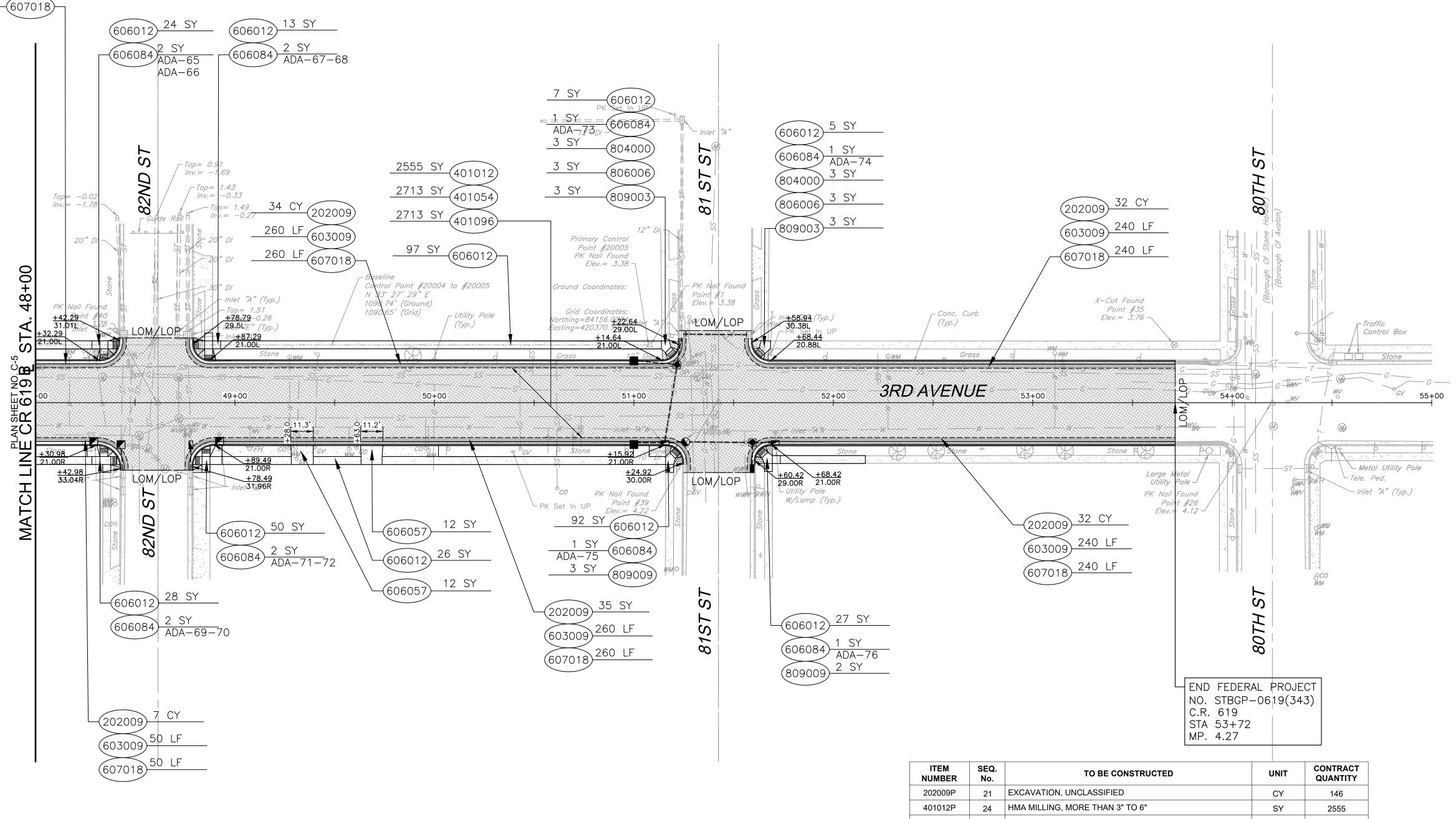
		RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
		,		COUNTY-NJ	DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 8 OF 52
		BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	C-3	CAPE	APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY REVISION	CHK. DATE				MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600



REVISION

CHK.

DATE

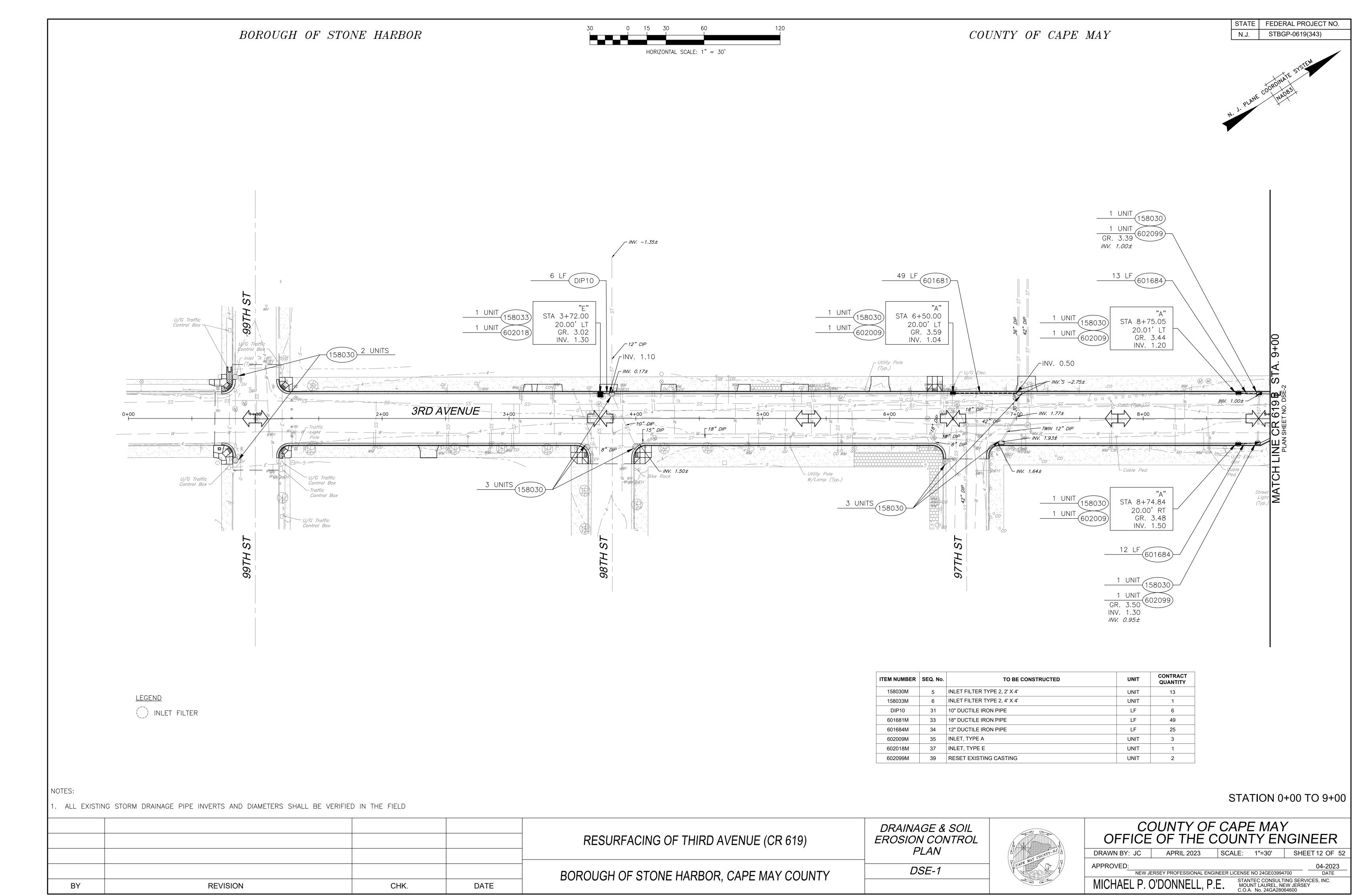


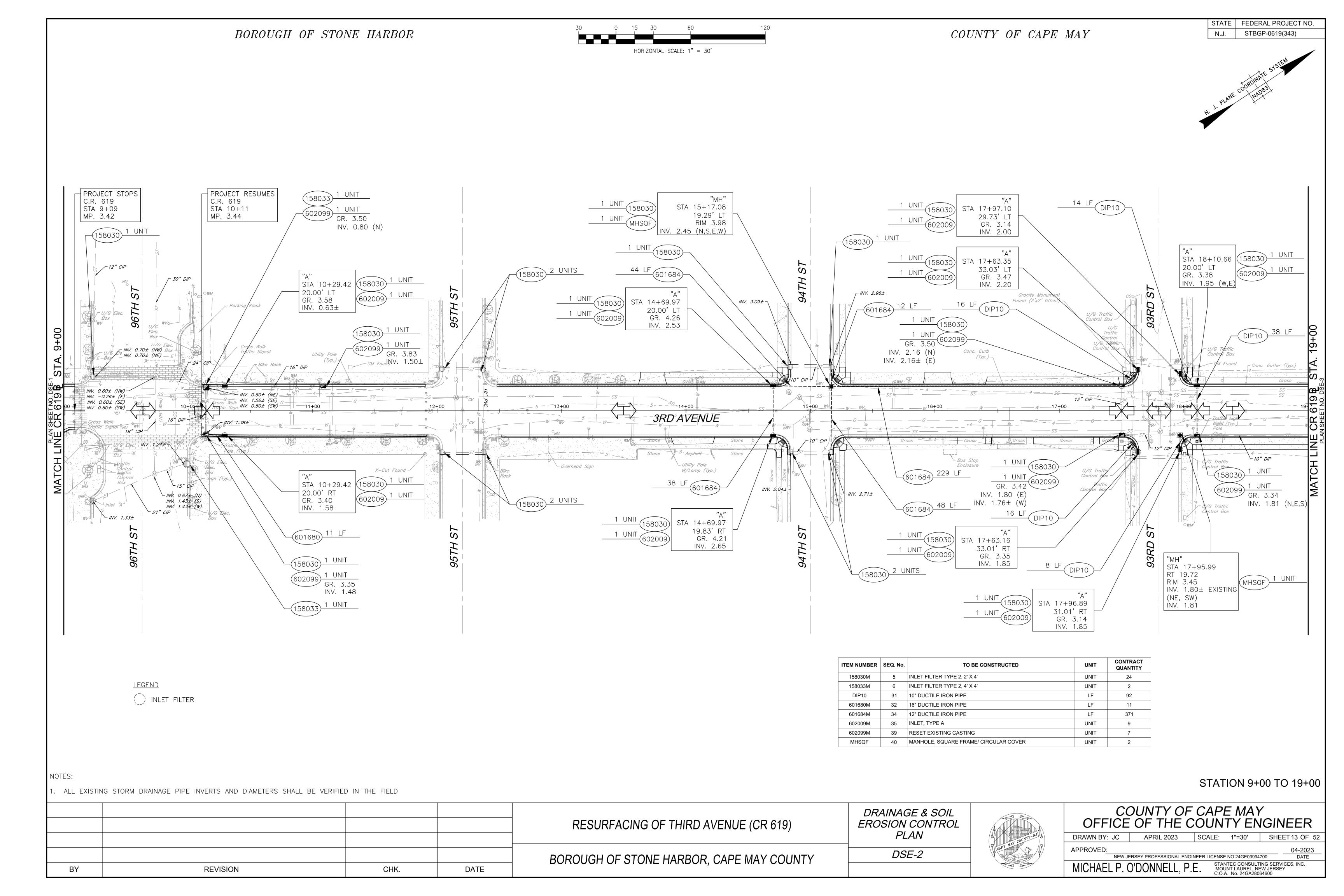
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	146
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	2555
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	2713
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	2713
603009P	41	CONCRETE GUTTER, 8"X18"	LF	1100
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	369
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	24
606084P	46	DETECTABLE WARNING SURFACE	SY	12
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1100
804000P	76	TOPSOIL SPREADING, 4" THICK	SY	6
806006P	78	FERTILIZING AND SEEDING, TYPE A-3	SY	6
809003M	80	STRAW MULCHING	SY	6
809009M	81	STONE MULCHING	SY	6

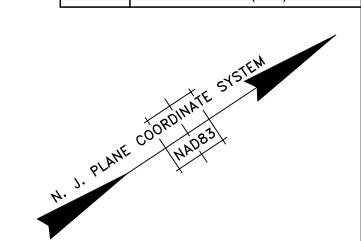
1. ALL EXISTING STREETSCAPING ITEMS, INCLUDING BUT NOT LIMITED TO PLANTERS, BENCHES, AND SIGNS, THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED AND REINSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE."

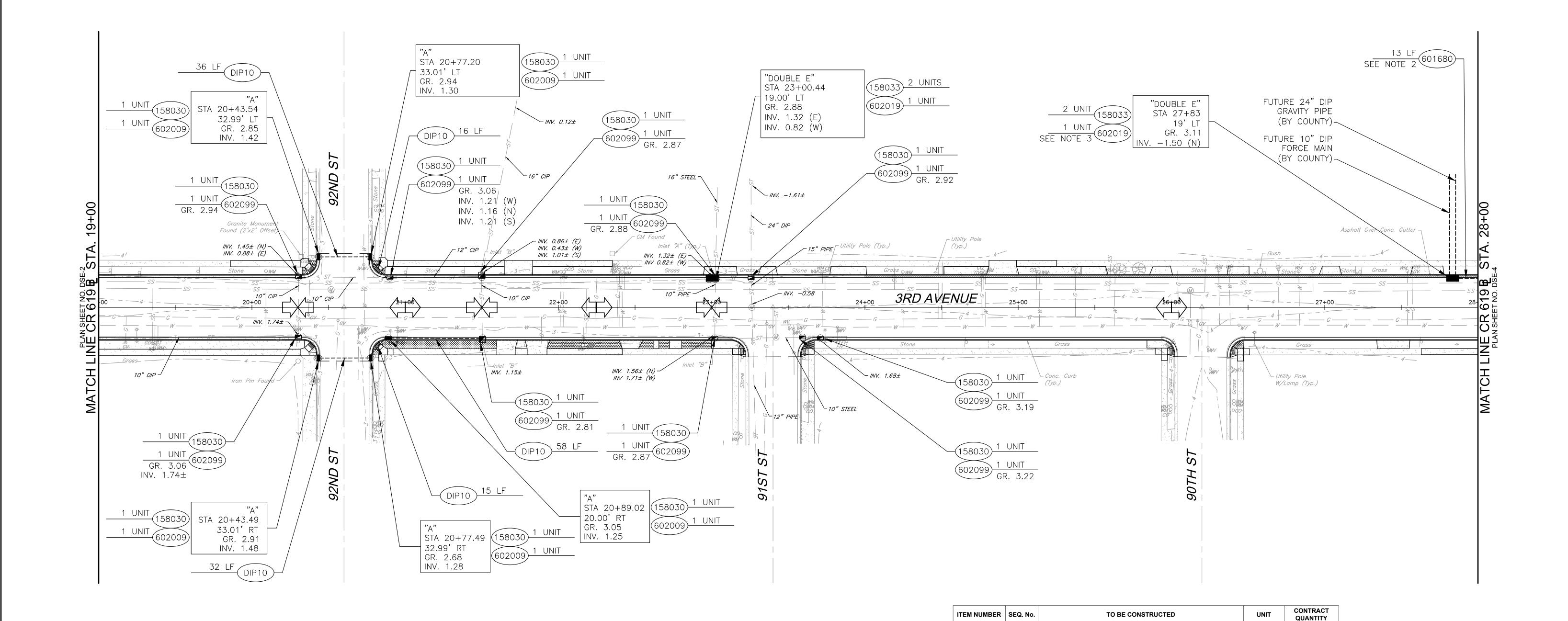
STATION 48+00 TO 55+00

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
						MAY COUNTY-NJ	DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 11 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	C-6	CAPE	APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BORGOGITOT GTORLET, IRBOR, OTHE WITH GOOTHT			MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600









1. ALL EXISTING STORM DRAINAGE PIPE INVERTS AND DIAMETERS SHALL BE VERIFIED IN THE FIELD.

<u>LEGEND</u>

() INLET FILTER

- 2. 16" DIP OUTLET PIPE OPENING TO BE TEMPORARILY BLOCKED IN PROPOSED INLET UNTIL DOWNSTREAM 24" DIP GRAVITY LINE IS INSTALLED (BY COUNTY).
- 3. INSTALL DOUBLE "E" INLET WITH KNOCKOUTS FOR FUTURE PIPE CONNECTIONS (BY COUNTY). LOCATION TO BE VERIFIED AT PROPERTY LINE PER COUNTY.

STATION 19+00 TO 28+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL			DRTY OF CA DF THE COL		
					PLAN	COUNTY-NJ	DRAWN BY: JC	APRIL 2023 SCA	ALE: 1"=30'	SHEET 14 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	DSE-3	CAPE	APPROVED: NEW JERSE	EY PROFESSIONAL ENGINEER L	LICENSE NO 24GE03994	04-2023 04700 DATE
BY	REVISION	CHK.	DATE				MICHAEL P. O'E	DONNELL, P.E.	STANTEC CONSUL [*] MOUNT LAUREL, N C.O.A. No. 24GA280	FING SERVICES, INC. IEW JERSEY .064600

5 INLET FILTER TYPE 2, 2' X 4'
6 INLET FILTER TYPE 2, 4' X 4'

31 10" DUCTILE IRON PIPE

32 | 16" DUCTILE IRON PIPE

38 INLET, TYPE DOUBLE E

39 RESET EXISTING CASTING

UNIT

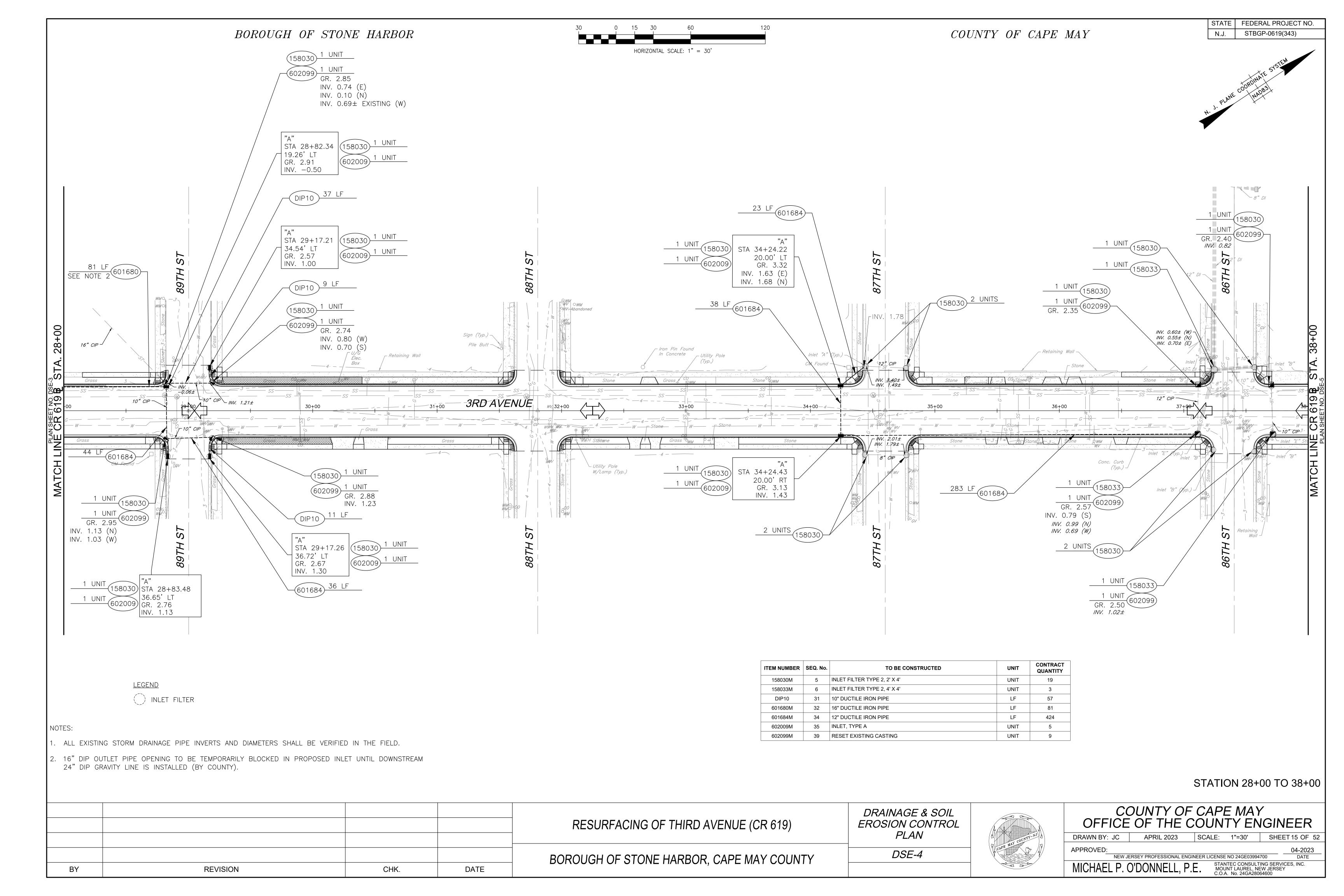
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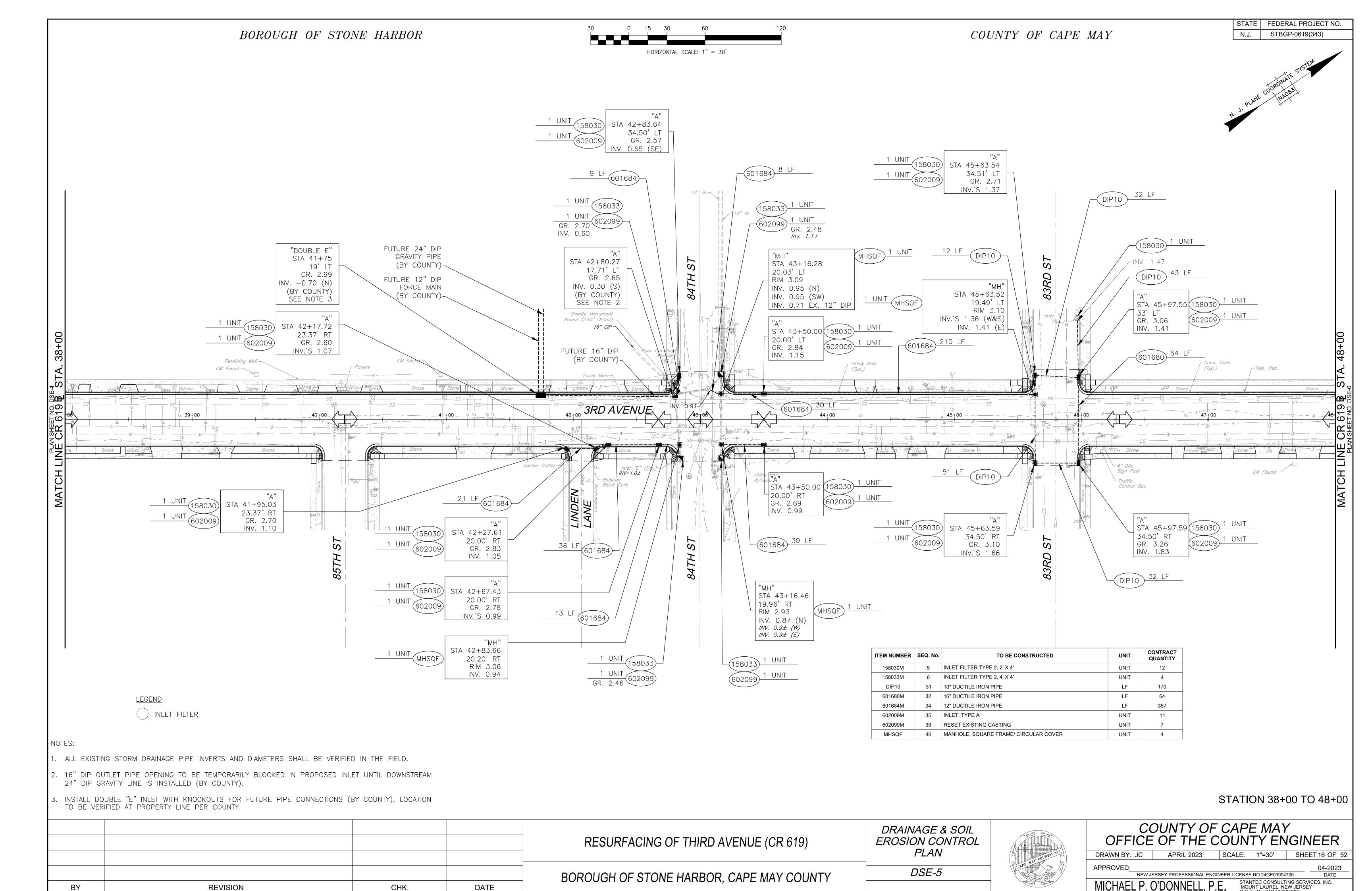
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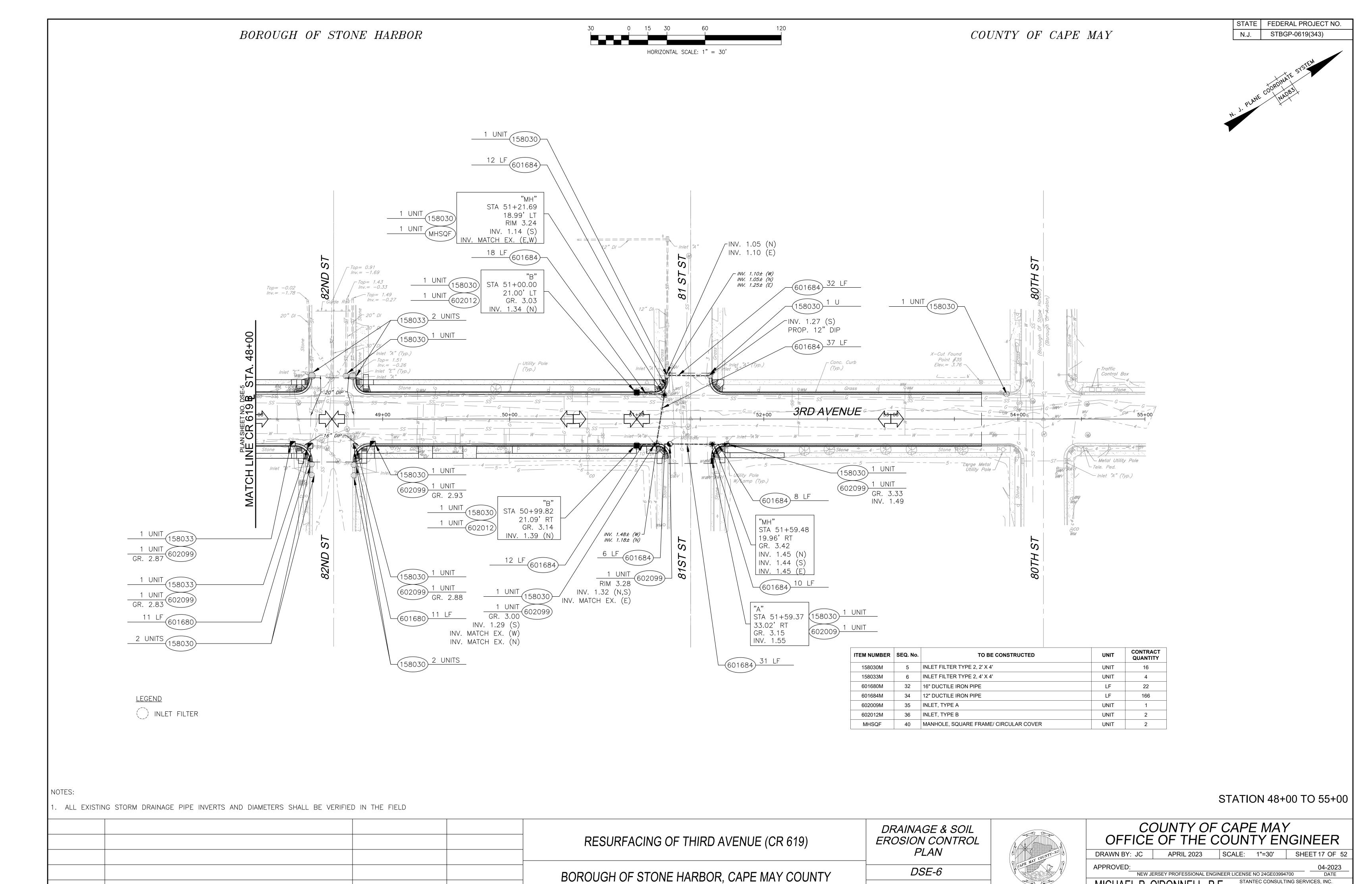
601680M

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REVISION

CHK.

DATE

STATEMENTS:

- . ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
- 2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
- 4. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND
- TWINE, MULCH MATTING OR LIQUID BINDER). . ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NEW JERSEY STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
- 6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- . ALL SOIL EROSION AND SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT. SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET
- OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SEDIMENT FENCE. PROPOSED LOCATIONS ARE DELINEATED ON THE PLAN. . A CRUSHED STONE, TIRE CLEANING PAD WILL BE INSTALLED
- WHEREVER A CONSTRUCTION ENTRANCE EXISTS. THE RIP-RAP PAD MUST BE 50 FEET IN LENGTH AND THE STONE MUST BE 1.5 - 4" IN SIZE, PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC AND MAINTAINED.
- 10. IF A STONE CONSTRUCTION ENTRANCE IS TO BE USED AS AN EXIT ONTO A MAJOR HIGHWAY, A THIRTY (30) FOOT PAVED TRANSITION AREA SHALL BE INSTALLED.
- 1. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- 2. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. 13. ALL CATCH BASIN INLETS WITHIN THE PROJECT AREA MUST BE PROTECTED DURING CONSTRUCTION.
- 14. ALL STONE DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL. 5. NO DEWATERING IS REQUIRED FOR THIS PROJECT. ALL EXCAVATION IS
- ABOVE THE SEASONALLY HIGH WATER ELEVATION OF 13.8' 16. THE CAPE ATLANTIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
- 7. SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE MUST BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE SEEDBED PREPARATION.
- 18. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE OWNER WITH CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES SO THAT THE OWNER CAN PROVIDE THESE CONFIRMATIONS AT THE REQUEST OF THE CAPE ATLANTIC SOIL CONSERVATION DISTRICT.
- 9. NJSA 4:24-39, ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- 20. NJSA 4:24-39, ET SEQ., REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT
- 21. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL
- 22. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING
- 23. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS 24. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND
- STOCKPILING OF TOPSOIL, SEED THE STOCKPILE WITH ANNUAL RYE GRASS. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING.
- 25. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE CAPE ATLANTIC SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1 UNLESS OTHERWISE APPROVED
- 27. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT

GENERAL SOIL EROSION NOTES:

- SEE DRAINAGE DETAILS AND CONTRACT SPECIFICATIONS FOR ALL MATERIALS AND INSTALLATION PROCEDURES.
- . ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
- TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, ALL SUCH SURFACES SHALL HAVE WATER SPRINKLED ONTO THE SURFACE UNTIL THE SURFACE IS WET CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PERMANENT SOIL
- EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. THE PROPERTY OWNERS SHALL ASSUME THIS RESPONSIBILITY AFTER CONSTRUCTION IS COMPLETE AND CERTIFICATES OF OCCUPANCY ARE ISSUED.
- THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT INSPECTOR. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADWAYS CLEAN AT
- ALL TIMES. ANY SEDIMENT SPILLED OR TRACKED ON THE ROADWAY WILL BE CLEANED UP IMMEDIATELY. OR AT MINIMUM. BY THE END OF EACH WORK DAY THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR
- OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT. . A REPORT OF COMPLIANCE MUST BE OBTAINED FROM THE DISTRICT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY FROM THE MUNICIPALITY. A REQUEST FOR A DISTRICT INSPECTION FOR THE RELEASE OF A REPORT OF COMPLIANCE MUST BE MADE 5 WORKING DAYS IN ADVANCE. THIS APPLIES TO BOTH COMPLETE (FINAL) AND CONDITIONAL (TEMPORARY) CERTIFICATES. ALL STREETS AND UNITS MUST BE PROPERLY IDENTIFIED. A REPORT OF COMPLIANCE WILL NOT BE RELEASED FOR A UNIT IF IT CAN NOT BE IDENTIFIED. IDENTIFY ALL UNITS AT THE SITE BY BLOCK, LOT, AND STREET ADDRESS.

REVISION

BOROUGH OF STONE HARBOR

9. REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED, OR TRACKED OFF THE PROJECT SITE. ALL PAVED RIGHT-OF-WAYS ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SWEPT CONDITION THROUGHOUT CONSTRUCTION. INSTALL CRUSHED STONE PAD(S) TO HELP REDUCE OFF-SITE TRACKING OF SEDIMENT.

SEEDING

SEED. THE SPECIES AND APPLICATION RATES OF GRASS, AND COVER-CROP SEED FURNISHED SHALL BE THOSE STIPULATED HEREIN. SEED SHALL CONFORM TO THE REQUIREMENTS OF FEDERAL SPECIFICATION JJJ-S-181, FEDERAL SPECIFICATION, SEEDS, AGRICULTURAL.

SEED SHALL BE FURNISHED SEPARATELY OR IN MIXTURES IN STANDARD CONTAINERS LABELED IN CONFORMANCE WITH THE AGRICULTURAL MARKETING SERVICE (AMS) SEED ACT AND APPLICABLE STATE SEED LAWS WITH THE SEED NAME, LOT NUMBER, NET WEIGHT, PERCENTAGES OF PURITY AND OF GERMINATION AND HARD SEED, AND PERCENTAGE OF MAXIMUM WEED SEED CONTENT CLEARLY MARKED FOR EACH KIND OF SEED. THE CONTRACTOR SHALL FURNISH THE ENGINEER DUPLICATE SIGNED COPIES OF A STATEMENT BY THE VENDOR CERTIFYING THAT EACH LOT OF SEED HAS BEEN TESTED BY A RECOGNIZED LABORATORY FOR SEED TESTING WITHIN SIX (6) MONTHS OF DATE OF DELIVERY. THIS STATEMENT SHALL INCLUDE: NAME AND ADDRESS OF LABORATORY, DATE OF TEST, LOT NUMBER FOR EACH KIND OF SEED, AND THE RESULTS OF TESTS AS TO NAME, PERCENTAGES OF PURITY AND OF GERMINATION, AND PERCENTAGE OF WEED CONTENT FOR EACH KIND OF SEED FURNISHED, AND, IN CASE OF A MIXTURE, THE PROPORTIONS OF EACH KIND OF SEED. WET, MOLDY, OR OTHERWISE DAMAGED SEED WILL

GRASS SEED SHALL BE FRESH. RECLEANED SEED OF THE LATEST CROP. THE SEED MIXTURE SPECIFIED BELOW IS BASED ON PERCENTAGE OF PURE SEED (PURITY EXGERMINATION). THE EXACT QUANTITY OF BULK SEED USED WILL DEPEND ON THE GRADE OF SEED AVAILABLE. THE TOLERANCE FOR P.L.S. SHALL BE THOSE CALLED OFFICIAL AND TABULATED ON PAGES 22 AND 23, UNITED STATES DEPARTMENT OF AGRICULTURE SERVICES AND REGULATORY ANNOUNCEMENT

PERMANENT VEGETATION SEED MIX: AS SPECIFIED BELOW AT A RATE OF 200 POUNDS PER ACRE.

TEMPORARY VEGETATION SEED: 100% PERENNIAL RYEGRASS AT A RATE OF 100 POUNDS PER ACRE.

TURF TYPE TALL FESCUE* 130 LBS/ACRE PERENNIAL RYEGRASS 25 LBS/ACRE

KENTUCKY BLUEGRASS 45 LBS/ACRE *CONTRACTOR SHALL INCLUDE AT LEAST THREE VARIETIES IN

THE MIX AND SHALL EXCLUDE K-31

NOTE: THE OPTIMUM SEEDING DATES ARE FEBRUARY 15 TO APRIL 30 AND AUGUST 15 TO OCTOBER 30. THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED, APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT ARE ESSENTIAL THE SEED APPLICATION RATES IN THE TABLE ABOVE ARE REQUIRED AND APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% EVENLY DISTRIBUTED VEGETATIVE COVER AND MOWED ONCE, THIS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND SHALL RE-SEED AS REQUIRED TO MEET THIS REQUIREMENT, AT NO ADDITIONAL COST TO THE OWNER.

LIME. LIME SHALL BE APPLIED BY THE CONTRACTOR IF NECESSARY TO ADJUST THE PH OF THE SOIL TO THE RANGE SPECIFIED IN ITEM T-905. LIME TO BE APPLIED AT A RATE OF 90LBS./1000 S.F. LIME SHALL BE GROUND LIMESTONE CONTAINING NOT LESS THAN 85% OF TOTAL CARBONATES, AND SHALL BE GROUND TO SUCH FINENESS THAT 90% WILL PASS THROUGH A NO. 20 MESH SIEVE AND 50% WILL PASS THROUGH A NO. 100 MESH SIEVE, COARSER MATERIAL WILL BE ACCEPTABLE, PROVIDING THE RATES OF APPLICATION ARE INCREASED TO PROVIDE NOT LESS THAN THE MINIMUM QUANTITIES AND DEPTH SPECIFIED IN THE SPECIAL PROVISIONS ON THE BASIS OF THE TWO SIEVE REQUIREMENTS ABOVE. DOLOMITIC LIME OR A HIGH MAGNESIUM LIME SHALL CONTAIN AT LEAST 10% OF MAGNESIUM OXIDE. ALL LIMING MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C602.

FERTILIZER. FERTILIZER SHALL BE COMPLETE AND PARTIALLY ORGANIC. FERTILIZER SHALL BE APPLIED AT THE RATE OF 11 POUNDS PER 1000 SQUARE FEET (500 POUNDS PER ACRE) OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS THE SOIL TEST INDICATES OTHERWISE. BECAUSE SLOW-RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) IS SPECIFIED, NO FOLLOW-UP OF TOPDRESSING IS MANDATORY UNLESS GROSS NITROGEN DEFICIENCY EXISTS. IN THE EVENT THAT GROSS NITROGEN DEFICIENCY EXISTS TO THE EXTENT THAT TURF FAILURE MAY DEVELOP. TOPDRESS WITH 10-10-10 OR EQUIVALENT AT 10 POUNDS PER 1000 SQUARE FEET (400 POUNDS PER ACRE).

ADVANCE PREPARATION AND CLEANUP. AFTER GRADING OF AREAS HAS BEEN COMPLETED AND BEFORE APPLYING FERTILIZER AND GROUND LIMESTONE, AREAS TO BE SEEDED SHALL BE RAKED OR OTHERWISE CLEARED OF STONES LARGER THAN 1 INCH (25 MM) IN ANY DIAMETER, STICKS, STUMPS, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH SOWING OF SEED, GROWTH OF GRASSES, OR SUBSEQUENT MAINTENANCE OF GRASS-COVERED AREAS. IF ANY DAMAGE BY EROSION OR OTHER CAUSES HAS OCCURRED AFTER THE COMPLETION OF GRADING AND BEFORE BEGINNING THE APPLICATION OF FERTILIZER AND GROUND LIMESTONE, THE CONTRACTOR SHALL REPAIR SUCH DAMAGE INCLUDE FILLING GULLIES, SMOOTHING IRREGULARITIES, AND REPAIRING OTHER INCIDENTAL DAMAGE.

AN AREA TO BE SEEDED SHALL BE CONSIDERED A SATISFACTORY SEEDBED WITHOUT ADDITIONAL TREATMENT IF IT HAS RECENTLY BEEN THOROUGHLY LOOSENED AND WORKED TO A DEPTH OF NOT LESS THAN 6 INCHES AS A RESULT OF GRADING OPERATIONS AND, IF IMMEDIATELY PRIOR TO SEEDING, THE TOP 5 INCHES OF SOIL IS LOOSE, FRIABLE, REASONABLY FREE FROM LARGE CLODS, ROCKS, LARGE ROOTS, OR OTHER UNDESIRABLE MATTER, AND IF SHAPED TO THE REQUIRED GRADE.

TOPSOIL. TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A PH RANGE OF 5.0 - 7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE. TOPSOIL SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT AND SHALL BE 5 INCHES THICK, FIRMED IN PLACE.

APPLICATION METHOD.

- A. TOPSOIL SHALL BE HANDLED HANDLED ONLY WHEN DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL
- LIMING. IF REQUIRED TO PREPARE A SUITABLE SEEDBED, LIME SHALL BE APPLIED SEPARATELY AND PRIOR TO THE APPLICATION OF ANY FERTILIZER OR SEED AND ONLY ON SEEDBEDS THAT HAVE PREVIOUSLY BEEN PREPARED AS DESCRIBED ABOVE. THE LIME SHALL THEN BE WORKED INTO THE TOP 3 INCHES (75 MM) OF SOIL AFTER WHICH THE SEEDBED SHALL AGAIN BE PROPERLY GRADED AND DRESSED TO A SMOOTH FINISH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF THE 3.3. ADDITION OF LIME IS REQUIRED TO PRODUCE A SUITABLE SEEDBED. THE COST OF PROVIDING AND PLACING LIME SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF SEEDING.
- FERTILIZING. FERTILIZER IN THE SLURRY MIX SHALL BE SUCH THAT 11 POUNDS OF FERTILIZER SHALL BE APPLIED PER 1,000 SQUARE FEET (500 POUNDS PER ACRE) OF 10-20-10 OR EQUIVALENT WITH 50% 3.5. WATER INSOLUBLE NITROGEN UNLESS THE SOIL TEST INDICATES OTHERWISE
- SEEDING. GRASS SEED SHALL BE SOWN AT THE RATE SPECIFIED IMMEDIATELY AFTER FERTILIZING, AND THE FERTILIZER AND SEED SHALL BE RAKED WITHIN THE DEPTH RANGE STATED HEREIN. SEEDS OF LEGUMES, EITHER ALONE OR IN MIXTURES, SHALL BE INOCULATED BEFORE MIXING OR SOWING, IN ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER OF THE INOCULANT. WHEN SEEDING IS REQUIRED AT OTHER THAN THE SEASONS SHOWN ON THE PLANS OR IN THE SPECIFICATIONS, A COVER CROP SHALL BE SOWN BY THE SAME METHODS REQUIRED FOR GRASS AND LEGUME SEEDING.
- ROLLING. AFTER THE SEED HAS BEEN PROPERLY COVERED, THE SEEDBED SHALL BE IMMEDIATELY COMPACTED BY MEANS OF AN APPROVED LAWN ROLLER, WEIGHING 40 TO 65 POUNDS PER FOOT (60 TO 97 KG PER METER) OF WIDTH FOR CLAY SOIL (OR ANY SOIL HAVING A TENDENCY TO PACK), AND WEIGHING 150 TO 200 POUNDS PER FOOT (223 TO 298 KG PER METER) OF WIDTH FOR SANDY OR LIGHT SOILS.>>>>> MAINTENANCE OF SEEDED AREAS. THE CONTRACTOR SHALL PROTECT SEEDED AREAS AGAINST TRAFFIC OR OTHER USE BY WARNING SIGNS OR BARRICADES, AS APPROVED BY THE ENGINEER. SURFACES GULLIED OR OTHERWISE DAMAGED FOLLOWING SEEDING SHALL BE REPAIRED BY RE-GRADING AND RE-SEEDING AS DIRECTED. THE CONTRACTOR SHALL MOW, WATER AS DIRECTED, RESEED, REMULCH AND OTHERWISE MAINTAIN SEEDED AREAS IN A SATISFACTORY CONDITION UNTIL FINAL INSPECTION AND ACCEPTANCE OF THE WORK, AT NO ADDITIONAL COST TO THE OWNER.

CHK.

DATE

IT IS REQUIRED THAT THE CONTRACTOR ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF THE COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, PAYMENT WILL NOT BE MADE FOR THE UNACCEPTED PORTIONS OF THE AREAS UNTIL SUCH TIME AS THESE REQUIREMENTS HAVE BEEN MET.

NOTE: MULCH IS REQUIRED ON ALL SEEDING AND ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THE MULCH SHOULD BE SPREAD UNIFORMLY AT 70-90 POUNDS PER 1,000 SQ.FT.

STANDARD FOR STABILIZATION WITH MULCH

STABILIZING EXPOSED SOILS WITH NON-VEGETATIVE MATERIALS EXPOSED FOR PERIODS LONGER THAN 14 DAYS

METHODS AND MATERIALS

SITE PREPARATION

1.1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING, ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING.

2. PROTECTIVE MATERIALS

- 2.1. UNROTTED SMALL-GRAIN STRAW, AT 2.0 TO 2.5 TONS PER ACRE, IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL. LIQUID MULCH BINDERS, OR NETTING TIE DOWN, OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT. THE APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE SEEN BELOW THE MULCH.
- SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE
- WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.
- MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE USED. WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT.
- GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C-33) IS RECOMMENDED.
- MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH AT THE RATE OF 70 TO 90 LBS PER 1000 SF TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES.
- 3.1. PEG AND TWINE DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.

MULCH NETTINGS - STAPLE PAPER, COTTON, OR PLASTIC NETTINGS OVER MULCH. USE DEGRADABLE NETTING IN AREAS TO BE MOWED.

NETTING IS USUALLY AVAILABLE IN ROLLS 4 FEET WIDE AND UP TO 300 FEET LONG. CRIMPER MULCH ANCHORING COULTER TOOL - A TRACTOR-DRAWN IMPLEMENT ESPECIALLY DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE. THIS PRACTICE AFFORDS MAXIMUM EROSION CONTROL, BUT ITS USE IS LIMITED TO THOSE SLOPES UPON WHICH THE TRACTOR CAN OPERATE SAFELY. SOIL PENETRATION SHOULD BE ABOUT 3 TO 4 INCHES. ON SLOPING LAND, THE OPERATION SHOULD BE ON THE CONTOUR.

SEQUENCE OF CONSTRUCTION: CONSTRUCTION WILL COMMENCE IN THE FALL OF 2023 AND WILL PROCEED IMMEDIATELY AND CONTINUOUSLY ONCE THE REQUIRED APPROVALS ARE SECURED. CONSTRUCTION WILL OCCUR APPROXIMATELY AS FOLLOWS:

- 1. INSTALL TEMPORARY SOIL EROSION & SEDIMENT CONTROL MEASURES
- 2. CONSTRUCT NEW DRAINAGE SYSTEM 3. CONSTRUCT SIDEWALK, CURB. AND GUTTER
- 4. MAINTENANCE OF TEMPORARY EROSION CONTROL MEASURES
- 5. MILL EXISTING PAVEMENT
- 6. CONSTRUCT FINAL PAVEMENT SURFACE COURSE AND STRIPING

TOP SOILING SCHEDULE

- MATERIAL TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). TOPSOIL HAULED IN FROM OFFSITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
- 1.2. TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND. SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND pH LEVEL
- STRIPPING AND STOCKPILING FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR
- QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
- WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY
- SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE
- STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
- STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY 2.6. DESCRIBED HEREIN; SEE STANDARDS FOR PERMANENT OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES. SITE PREPARATION
- GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE. TIME IS OF THE ESSENCE
- 3.2. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. SEE THE STANDARD FOR LAND GRADING.
- AS GUIDANCE FOR IDEAL CONDITIONS, SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
- PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION
- BASINS, AND WATERWAYS. APPLYING TOPSOIL TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT
- DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES FIRMED IN PLACE IS REQUIRED. ALTERNATIVE DEPTHS MAY BE CONSIDERED WHERE SPECIAL REGULATORY AND/OR INDUSTRY DESIGN STANDARDS ARE APPROPRIATE SUCH AS ON GOLF COURSES, SPORTS FIELDS, LANDFILL CAPPING, ETC.. SOILS WITH A PH OF 4.0
- MANAGEMENT OF HIGH ACID PRODUCING SOIL 4.3. PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING: SUPPLEMENTAL SEEDING, RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (I.E. COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC

OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12

INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR

COUNTY OF CAPE MAY

STATE | FEDERAL PROJECT NO. STBGP-0619(343)

STORMWATER MANAGEMENT SYSTEM MAINTENANCE

1. INLET PROTECTION MUST BE MAINTAINED UNTIL FINAL STABILIZATION IS ESTABLISHED

2. MOW GRASS MONTHLY OR AS NEEDED, FERTILIZER AND RESEED AS NECESSARY.

3. REMOVE TRASH AND DEBRIS MONTHLY AS NEEDED.

4. NO DISCHARGES OF OIL, GREASE AND CONCRETE TRUCK WASHDOWN IN ANY STORM DRAINS.

5. INSPECT, CLEAN AND MAINTAIN SUMPS AND TRAPS YEARLY AND AFTER LARGE STORMS.

SITE CLEAN UP

ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

OPTIMAL DATES FOR PLACING PERMANENT STABILIZATION

THE OPTIMAL DATES FOR PERMANENT STABILIZATION (GRASS, SEEDING, SOD) FOR THIS REGION IS FEBUARY 15th THROUGH APRIL 30th AND AUGUST 15th THROUGH OCTOBER 30th.

STANDARDS FOR DUST CONTROL

THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON AND OFF SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON AND OFF SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.

THE FOLLOWING METHODS SHOULD BE CONTROLLING DUST:

MULCHES - SEE STANDARDS FOR STABILIZATION FOR MULCHES ONLY.

VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER AND PERMANENT STABILIZATION WITH SOD.

SPRAY ON ADHESIVE- ON MINERAL SOILS (NOT EFFECTIVE ON MUCH SOILS); KEEP TRAFFIC OFF OF THESE AREAS

SPRAY ON ADHESIVE TYPE WATER DILUTION TYPE OF NOZZLE APPLY GALLONS PER ACRE

ANIONIC ASPHALT EMULSION 7:1 COARSE SPRAY LATEX EMULSION 12.5:1 FINE SPRAY 235 FINE SPRAY **RESIN IN WATER** 4:1 300

TILLAGE- TO ROUGHEN THE SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE, CHISEL-TYPE PLOWS SPACE ABOUT 12 INCHES APART, AND SPING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED

SPRINKLING - SPRINKLE SITE UNTIL THE SURFACE IS WET.

BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE - SHALL BE USED IN THE FORM OF LOOSE, DRY, GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND

METHODS FOR THE MANAGEMENT OF HIGH ACID PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A pH OF 4 OR LESS.

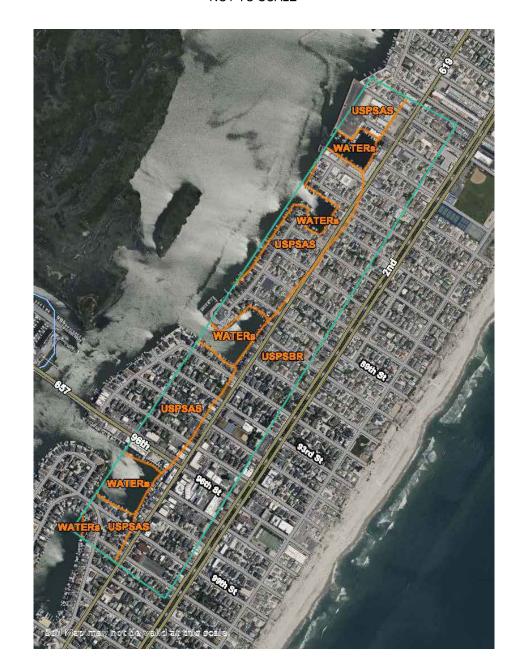
DRAWN BY: JC

STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL

SOIL COMPACTION EXEMPTION NOTE

SOILS WILL RECEIVE TEMPORARY STABILIZATION IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, (REVISED 2017), THE PROJECT DOES NOT REQUIRE COMPACTION REMEDIATION.

SOIL MAP NOT TO SCALE



RESURFACING OF THIRD AVENUE (CR 619)

COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

SHEET 18 OF 5

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600

APRIL 2023

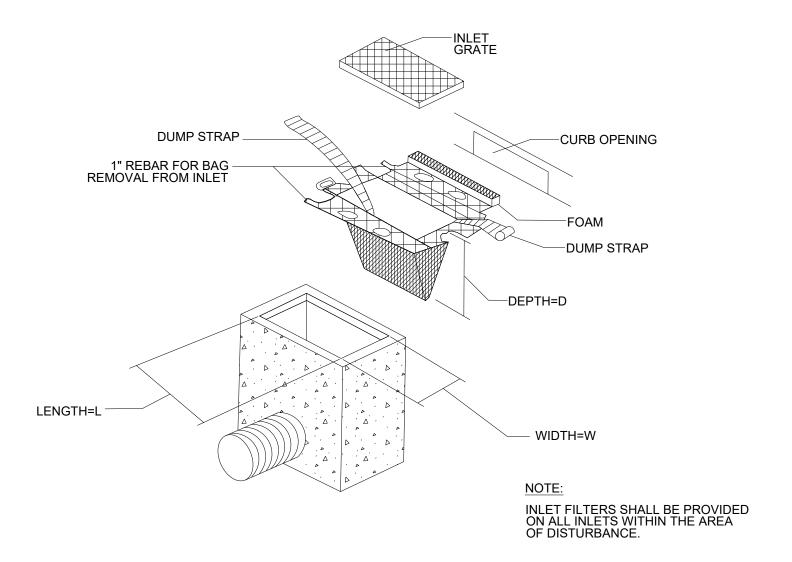
BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

SESC NOTES

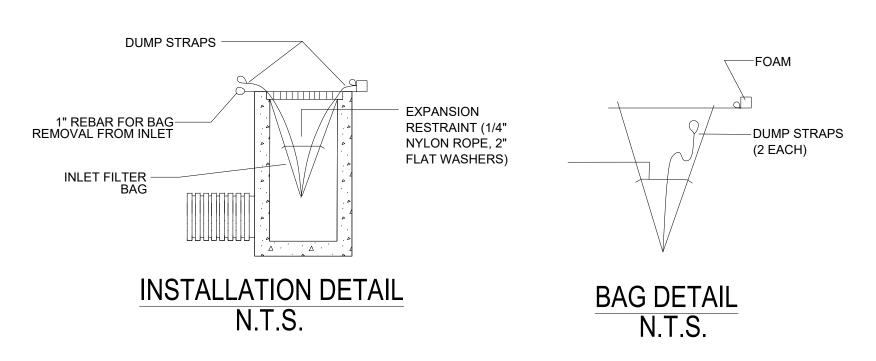
DRAINAGE & SOIL

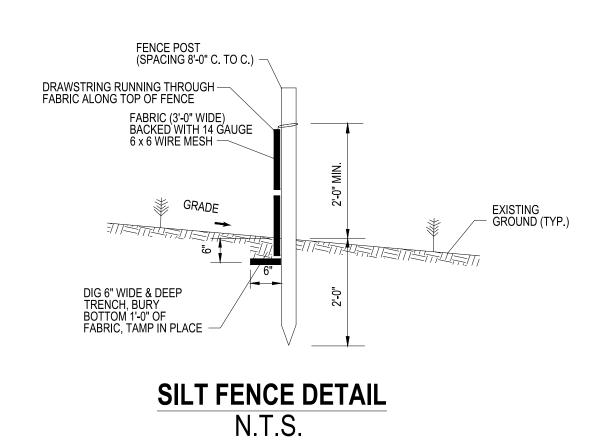
EROSION CONTROL

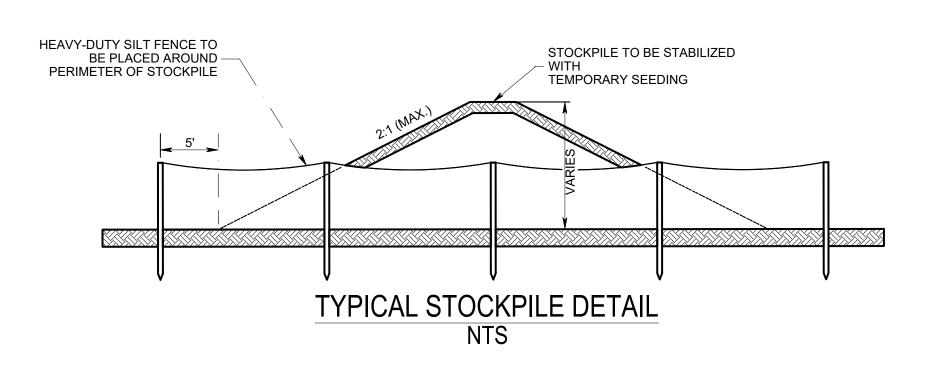
PLAN

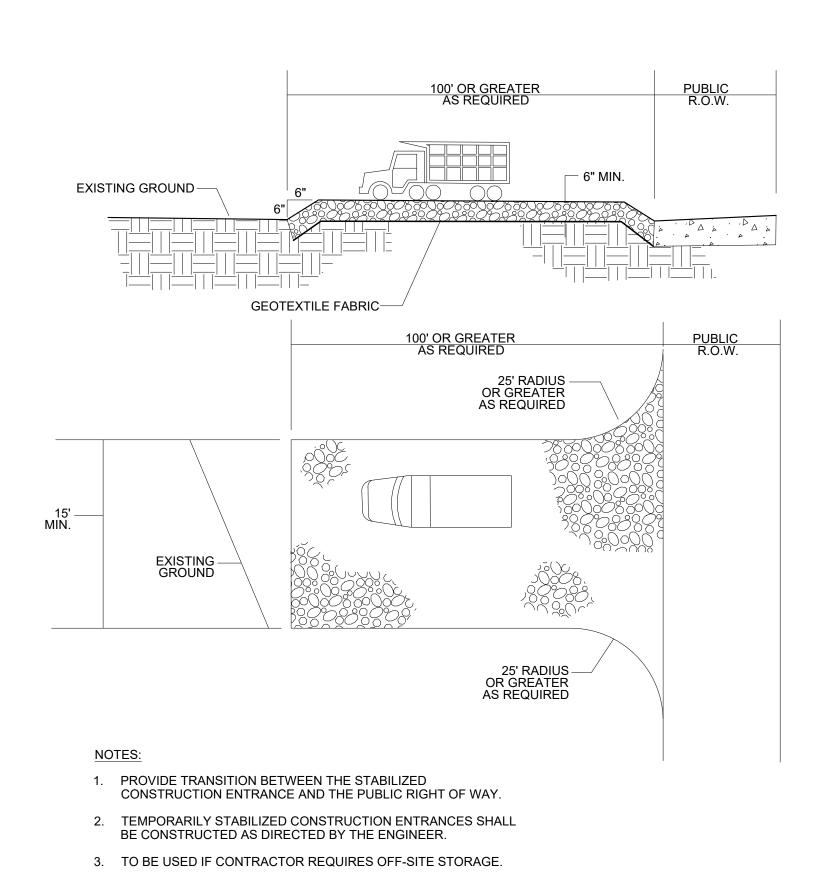


INLET FILTERS, TYPE 2 N.T.S.









PROFILE AND PLAN VIEW STABILIZED CONSTRUCTION ENTRANCE N.T.S.

				RESURFACING OF THIRD AVENUE (CR 619)	
					Ł
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	
BY	REVISION	CHK.	DATE		

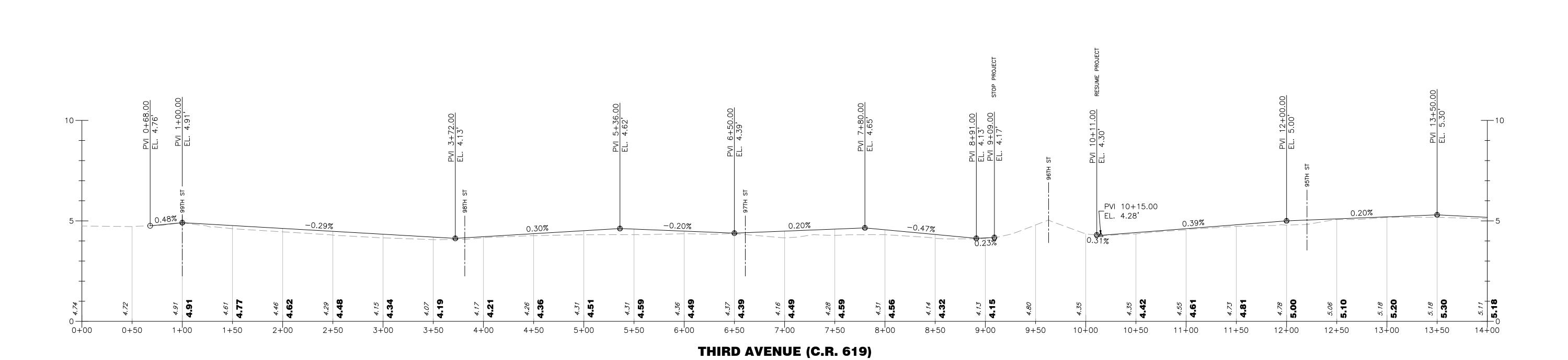
BOROUGH OF STONE HARBOR

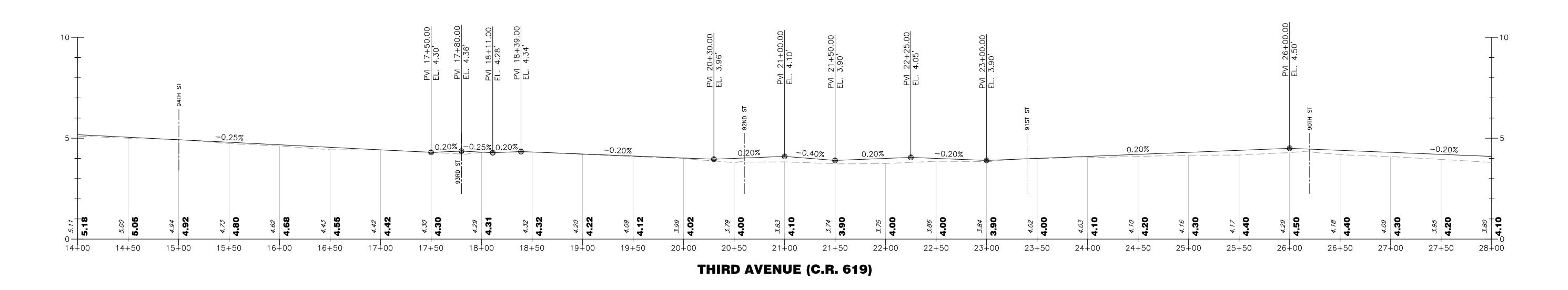
DRAINAGE & SOIL
EROSION CONTROL
PLAN
SESC DETAILS



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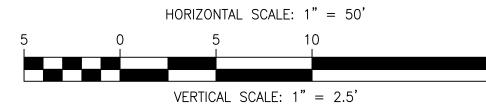
DRAWN BY: JC	APRIL 2023	SCALE:	SHEE	ET 19 OF 52
APPROVED:				04-2023
NEW JI	ERSEY PROFESSIONAL ENGI	NEER LICENSE NO 24GE03994	700	DATE
MICHAEL P. (O'DONNELL, P.	STANTEC CONSULT MOUNT LAUREL, NI C.O.A. No. 24GA280	EW JERSEY	

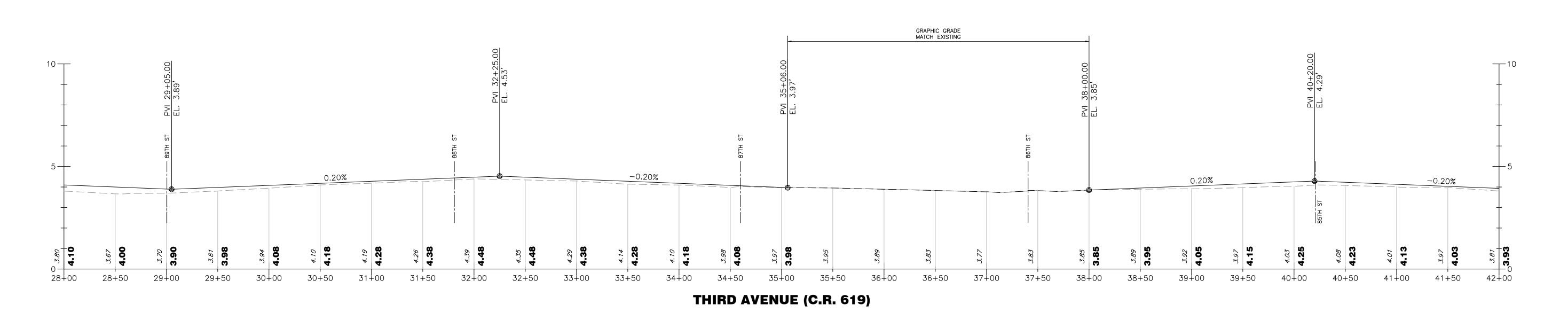


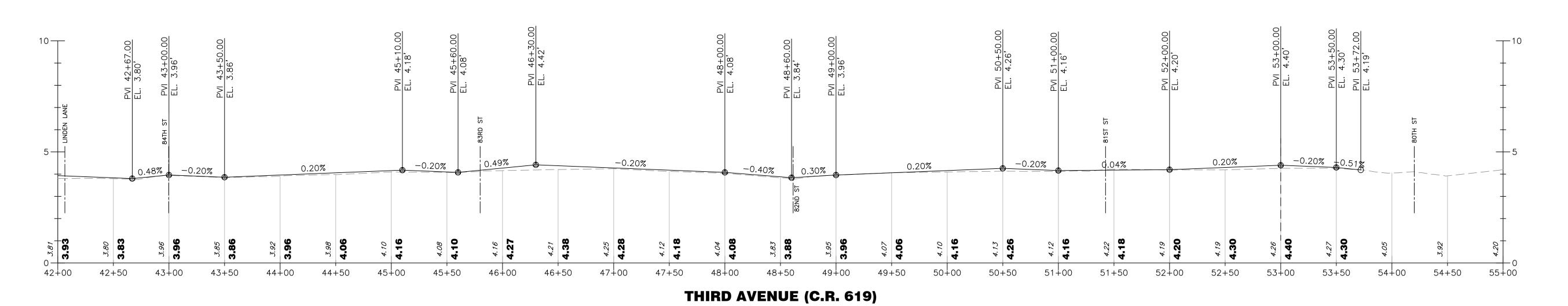


STATION 0+00 TO 28+00

							COUNTY OF CAPE MAY
				RESURFACING OF THIRD AVENUE (CR 619)	PROFILE		OFFICE OF THE COUNTY ENGINEER
						MAY COUNTY-NJ	DRAWN BY: JC APRIL 2023 SCALE: SHEET 20 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	P-1	CAPB	APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE			The Control of the Co	MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600

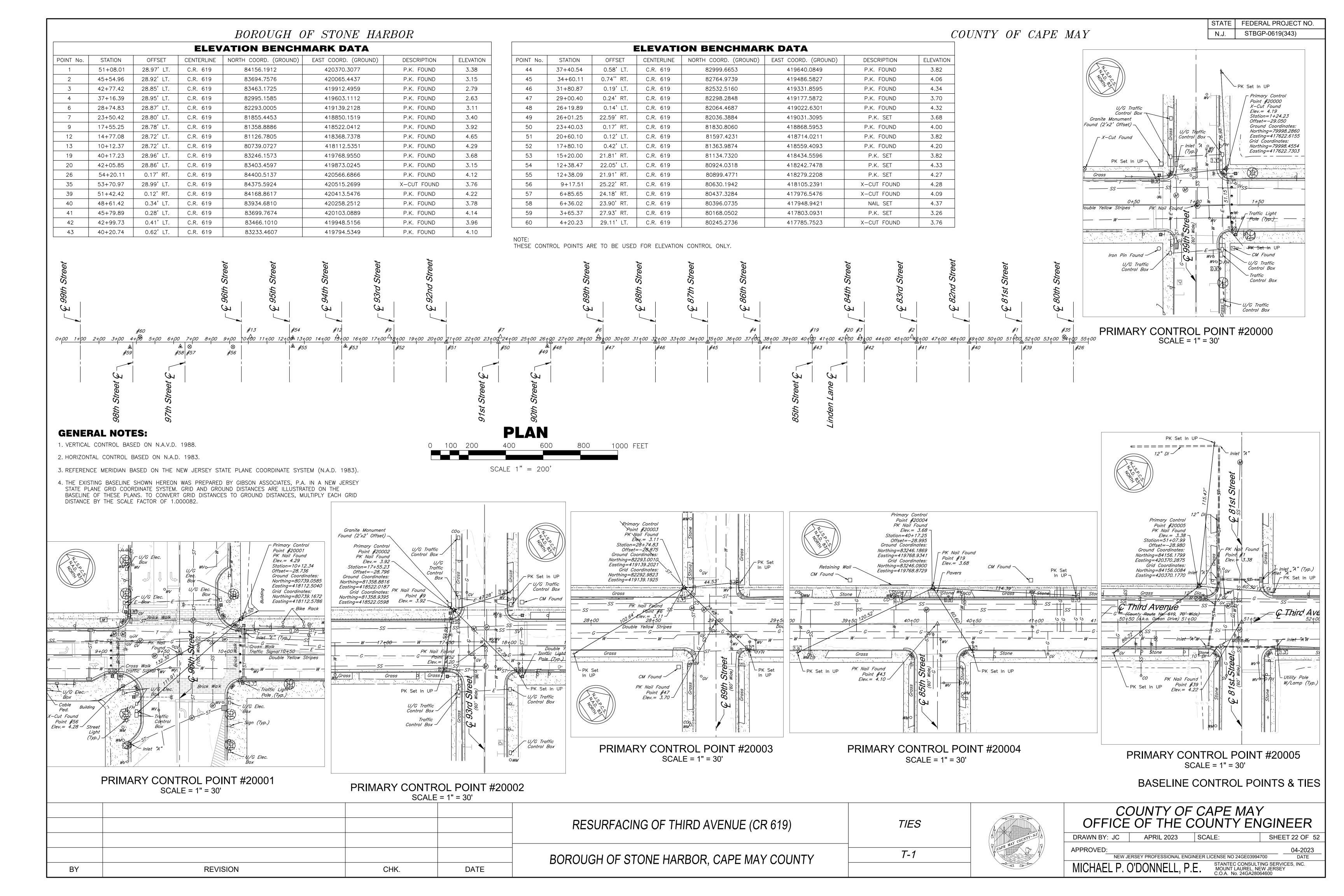


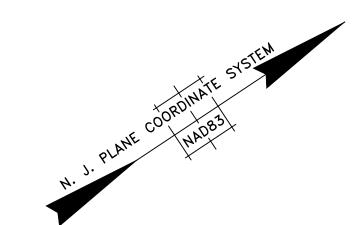




STATION 28+00 TO 55+00

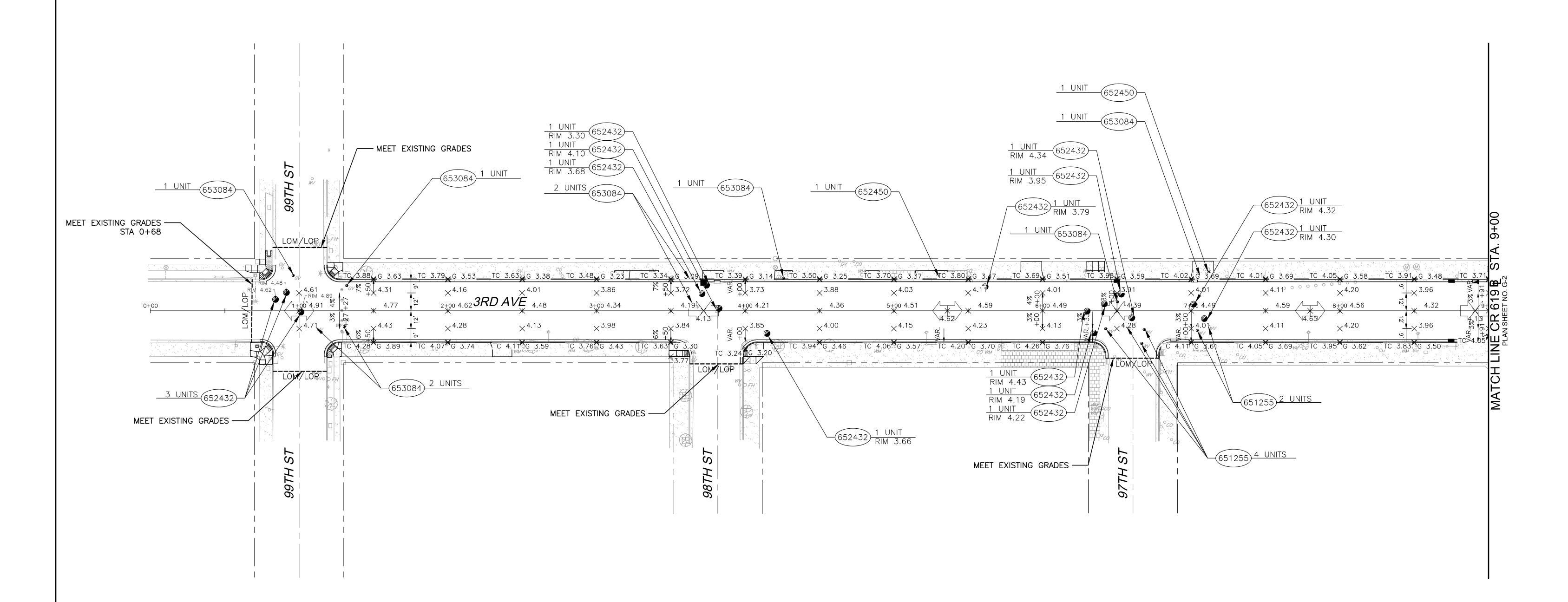
				RESURFACING OF THIRD AVENUE (CR 619)	PROFILE		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
						COUNTY-NJ	DRAWN BY: JC	APRIL 2023 SCALE:	SHEET 21 OF 52	
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	P-2	CAPE	TVEVV DETCOET	Y PROFESSIONAL ENGINEER LICEN	04-2023 SE NO 24GE03994700 DATE	
BY	REVISION	CHK.	DATE				MICHAEL P. O'D	ONNELL, P.E.	ANTEC CONSULTING SERVICES, INC. DUNT LAUREL, NEW JERSEY D.A. No. 24GA28064600	





STATE FEDERAL PROJECT NO.

STBGP-0619(343)



NOTES:

SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.

2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.

3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

ITEM NUMBER SEQ. No.		TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
651255M	55	RESET WATER VALVE BOX	UNIT	2
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	15
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	2
653084M	58	RESET GAS VALVE BOX	UNIT	9

STATION 0+00 TO 9+00

				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
				TESON ACINO OF THIND AVENUE (CIN 019)	UTILITY PLAN	MAY COUNTY-NJ	DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 23 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-1	CAPE	APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE			The state of the s	MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600

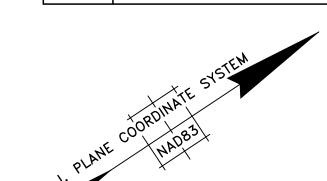
- 1. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.
- 2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.
- 3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.
- 4. ALL PROPOSED CURB RETURNS AT THE INTERSECTIONS OF 95TH STREET & 3RD AVENUE SHALL MATCH EXISTING CURB RETURN GRADES AND MEET EXISTING CURB RAMPS.

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
651255M	55	RESET WATER VALVE BOX	UNIT	13
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	9
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	1
653084M	58	RESET GAS VALVE BOX	UNIT	10

STATION 9+00 TO 19+00

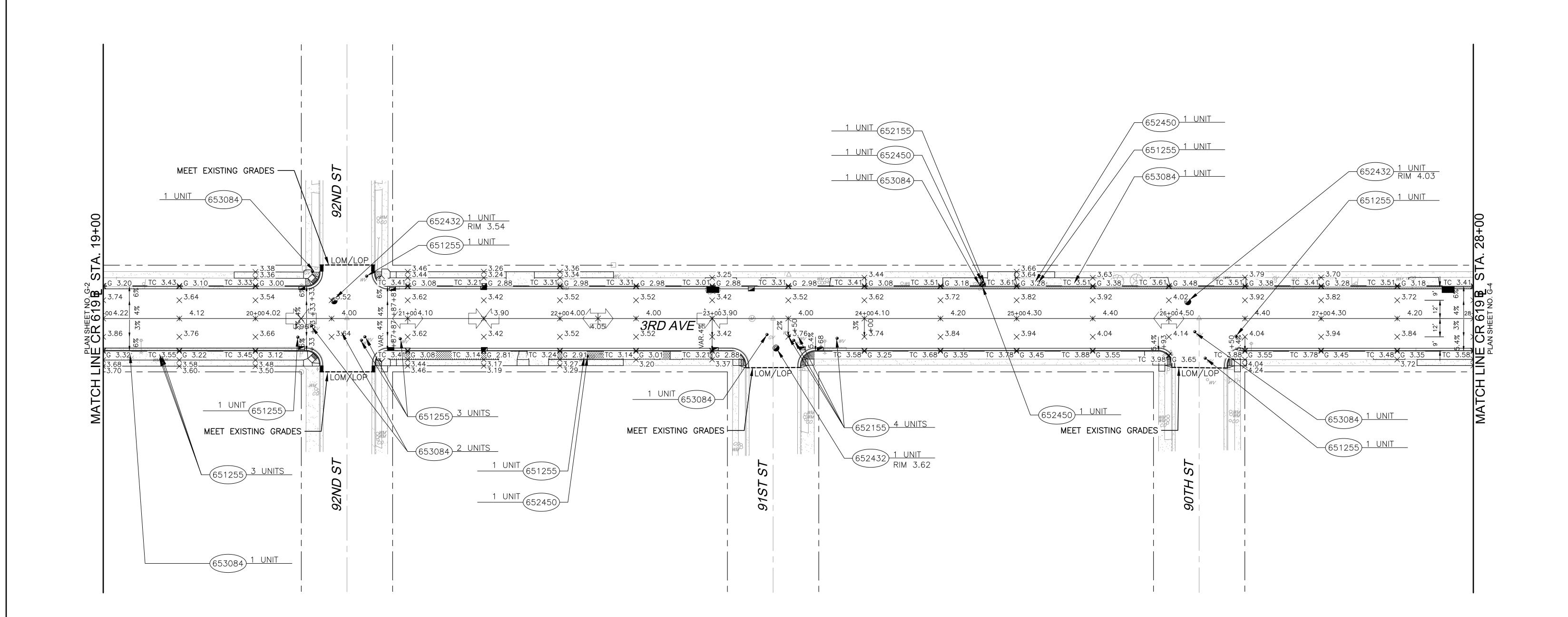
				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		COUNTY O OFFICE OF THE	OF CAPE MAY COUNTY EN	
						COUNTY-NJ	DRAWN BY: JC APRIL 2023	SCALE: 1"=30'	SHEET 24 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-2	CAPE MAI	APPROVED: NEW JERSEY PROFESSIONAL F	ENGINEER LICENSE NO 24GE03994	04-2023 DATE
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL,	P.E. STANTEC CONSULTIF MOUNT LAUREL, NE C.O.A. No. 24GA280f	NG SERVICES, INC. EW JERSEY 64600

HORIZONTAL SCALE: 1" = 30'



STATE FEDERAL PROJECT NO.

STBGP-0619(343)



NOTES:

. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.

2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.

3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
651255M	55	RESET WATER VALVE BOX	UNIT	12
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	3
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	4
653084M	58	RESET GAS VALVE BOX	UNIT	8

STATION 19+00 TO 28+00

				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		OFFICE OF THE	OF CAPE MAY E COUNTY ENG	
						COUNTY-NO	DRAWN BY: JC APRIL 2023	3 SCALE: 1"=30' S	SHEET 25 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-3	CAPE	APPROVED: NEW JERSEY PROFESSIONA	AL ENGINEER LICENSE NO 24GE03994700	04-2023
BY	REVISION	CHK.	DATE			and the	MICHAEL P. O'DONNELL	STANTEC CONSULTING SI MOUNT LAUREL, NEW JEI COAN NO 24GA28064600	JERVICES, INC. ERSEY

. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.

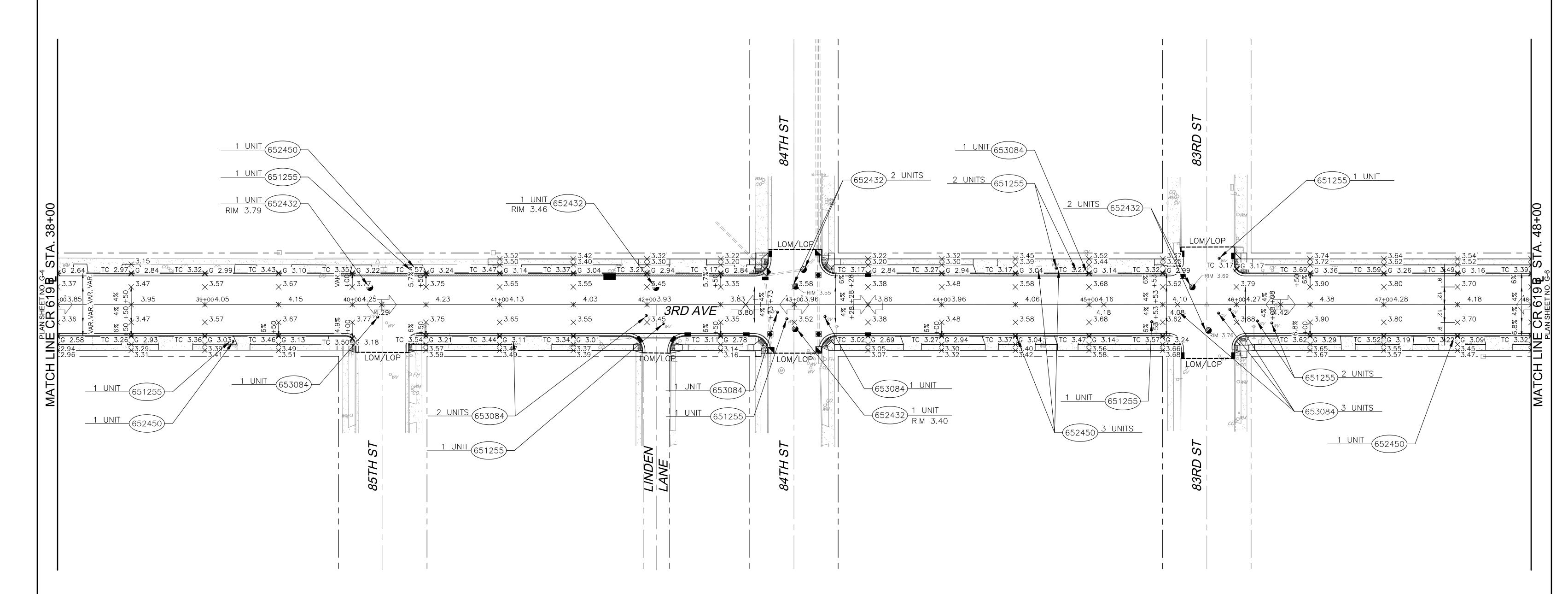
2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.

3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
651255M	55	RESET WATER VALVE BOX	UNIT	22
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	5
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	2
653084M	58	RESET GAS VALVE BOX	UNIT	9

STATION 28+00 TO 38+00

				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		OFFICE OF THE CO	
						COUNTY-NJ	DRAWN BY: JC APRIL 2023 S	SCALE: 1"=30' SHEET 26 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-4	CAPE MAY	APPROVED: NEW JERSEY PROFESSIONAL ENGINEE	DATE
BY	REVISION	CHK.	DATE	BONGOGITOT GTONETHANDON, ON ENWINT GOODINT		Es Co	MICHAEL P. O'DONNELL, P.E.	STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600



. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.

2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.

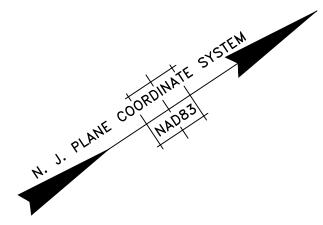
3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

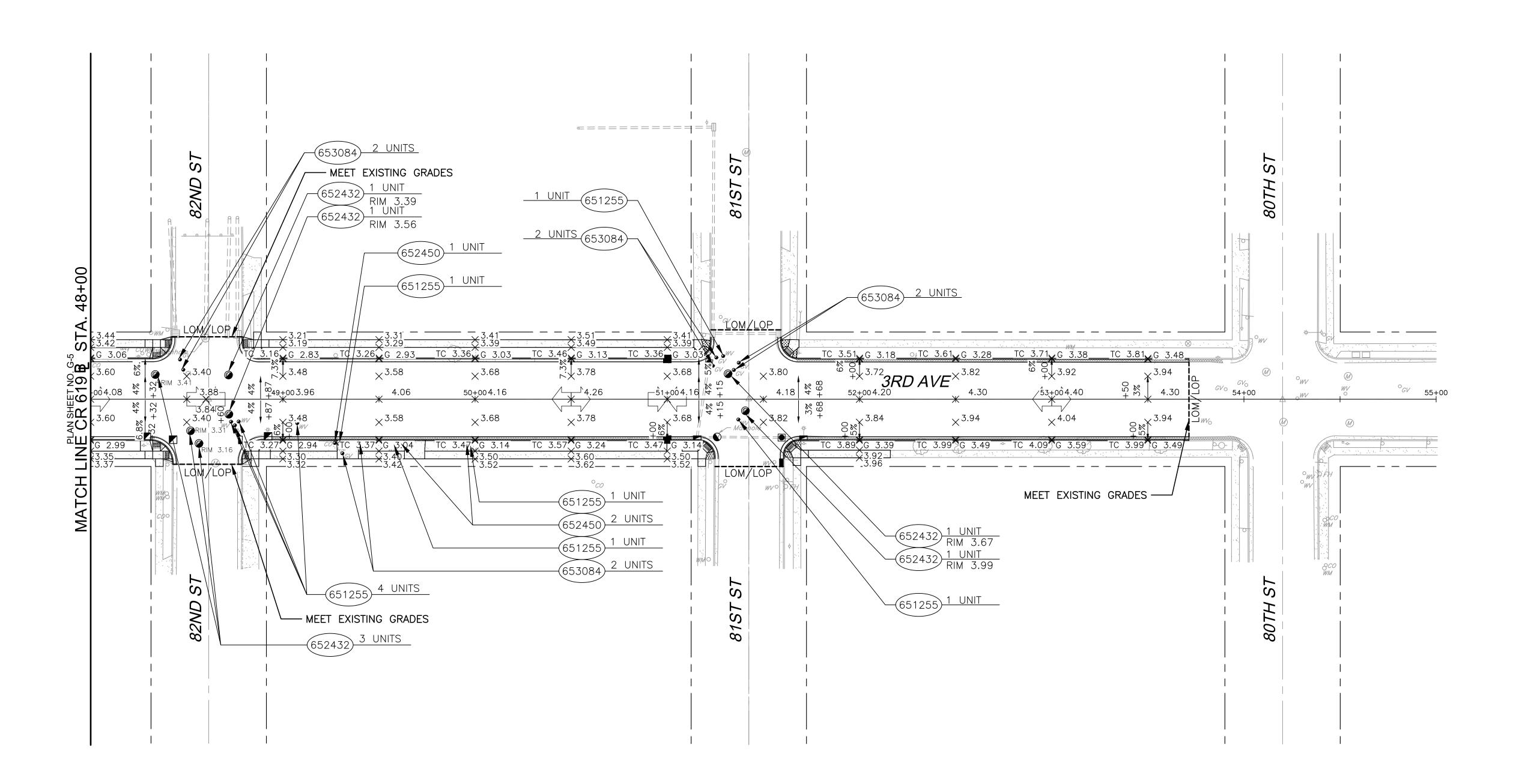
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
651255M	55	RESET WATER VALVE BOX	UNIT	10
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	7
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	6
653084M	58	RESET GAS VALVE BOX	UNIT	9

STATION 38+00 TO 48+00

				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
					UTILITI PLAN	COUNTY-NJ	DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 27 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-5	CAPE	APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BOROGOTTOT OTOTAL TIME TO THE TOTAL TO THE T			MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600







HORIZONTAL SCALE: 1" = 30'

NOTES

. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.

2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.

3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

ITEM NUMBER	SEQ. No.	UNIT	CONTRACT QUANTITY	
651255M	55	RESET WATER VALVE BOX	UNIT	9
652432M	56	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	7
652450M	57	RESET SANITARY SEWER CLEANOUT	UNIT	3
653084M	58	RESET GAS VALVE BOX	UNIT	8

STATION 48+00 TO 55+00

				-	_				
				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN	COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
						COUNTY-NJ	DRAWN BY: JC APRIL 2023	SCALE: 1"=30' SHEET 28 OF 52	
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-6	CAPE MAI	APPROVED: NEW JERSEY PROFESSIONA	L ENGINEER LICENSE NO 24GE03994700 04-2023 DATE	
BY	REVISION	CHK.	DATE	DONOUGH OF GROWE HANDON, CAFE WAT COUNTY			MICHAEL P. O'DONNELL	PE STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY	

25. TRAFFIC IMPACT NOTICES AND CHANGES

B. ADVANCE NOTICES

C. PROGRESS NOTICES

TO-100 PROVIDED BY THE DEPARTMENT.

SUBMITTED IN WRITING TO THE RE AS FOLLOWS:

THE CONTRACTORS TRAFFIC CONTROL MODIFICATIONS.

D. CHANGES TO THE SCHEDULED CLOSURES

LEGEND

BREAKAWAY BARRICADES BREAKAWAY BARRICADES WITH SIGN **CONSTRUCTION SIGNS** DRUMS CONE CONSTRUCTION BARRIER CURB (TYPE SPECIFIED) DIRECTION OF TRAFFIC FLOW TRAFFIC DIRECTOR, FLAGGER TRAILER MOUNTED MOUNTED ARROW BOARD SHOWING CAUTION MODE ILLUMINATED FLASHING ARROW MOUNTED ON TOWING VEHICLE SHOWING ARROW PATTERN (LEFT, RIGHT, BOTH) LEFT RIGHT BOTH TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING CAUTION MODE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (LEFT, RIGHT, BOTH) RIGHT BOTH TEMPORARY CRASH CUSHION, INERTIAL BARRIER SYSTEM TEMPORARY CRASH CUSHION, (ALL OTHER APPROVED) WORK AREA

SEQUENCE OF CONSTRUCTION

PHASE 1 CONSTRUCTION - 80TH STREET TO 86TH STREET

ALLOWABLE CONSTRUCTION BETWEEN MARCH AND THE THURSDAY PRIOR TO MEMORIAL DAY OF THE SAME YEAR.

PAINT STRIPING TRUCK OR OTHER OPERATING VEHICLE

- INSTALL PHASE 1 ADVANCE WARNING SIGNS
- CONSTRUCT PROPOSED DRAINAGE A SINGLE INTERSECTION AT A TIME. CONSTRUCT TRAFFIC SIGNAL IMPROVEMENTS AT 83RD STREET

EACH INTERSECTION WILL BE CLOSED AND TRAFFIC DETOURED AT NEAREST ADJACENT SIDESTREET TOWARDS 2ND AVENUE.

- CONSTRUCT CURB, CONCRETE GUTTER, AND SIDEWALK IMPROVEMENTS UTILIZING SHOULDER CLOSURES OR LANE SHIFTS.
- PERFORM MILLING, PAVING, AND FINAL STRIPING OPERATIONS UTILIZING DETOURS.
- DETOUR SHALL BE BETWEEN 80TH STREET AND 87TH STREET.

PHASE 2 CONSTRUCTION - 99TH STREET TO 86TH STREET

ALLOWABLE CONSTRUCTION BETWEEN SEPTEMBER AND THE THURSDAY PRIOR TO MEMORIAL DAY THE FOLLOWING YEAR.

- INSTALL PHASE 2 ADVANCE WARNING SIGNS
- CONSTRUCT PROPOSED DRAINAGE A SINGLE INTERSECTION AT A TIME. CONSTRUCT TRAFFIC SIGNAL IMPROVEMENTS AT 93RD STREET.

EACH INTERSECTION WILL BE CLOSED AND TRAFFIC DETOURED AT NEAREST ADJACENT SIDE STREET TOWARDS 2ND AVENUE.

 CONSTRUCT CURB, CONCRETE GUTTER, AND SIDEWALK IMPROVEMENTS UTILIZING SHOULDER CLOSURES OR LANE SHIFTS.

PHASE 2A CONSTRUCTION - 86TH STREET TO 96TH STREET

- PERFORM MILLING, PAVING, AND FINAL STRIPING OPERATIONS UTILIZING DETOURS.
- DETOUR SHALL BE BETWEEN 85TH STREET AND 96TH STREET.

PHASE 2B CONSTRUCTION - 96TH STREET TO 99TH STREET

REVISION

PERFORM MILLING, PAVING, AND FINAL STRIPING OPERATIONS UTILIZING DETOURS.

CHK.

DATE

DETOUR SHALL BE BETWEEN 96TH STREET AND 100TH STREET

GENERAL NOTES:

- 1. ADVANCE WARNING SIGNS DISTANCES AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE DEPARTMENT, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
- 2. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED AS APPROVED BY RE 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.
- 3. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES ARE TO BE IN PLACE.
- RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN ARE TO BE PROVIDED WITH AT LEAST ONE W20-IF SIGN (ROAD WORK AHEAD) AS A MINIMUM.
- 5. ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS, AND / OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN ARE TO BE COVERED, REMOVED, OR RELOCATED AS DIRECTED BY THE RE.
- CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY.OR PROPOSED TRAFFIC SIGNAL SYSTEMS ARE TO BE BAGGED OR
- MAINTENANCE AND PROTECTION OF TRAFFIC TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART VI "STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS.
- CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) TO BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
- 9. A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH TO BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
- 10. CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) TO BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
- 11. CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) TO BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST.
- 12. MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRAILER MOUNTED ILLUMINATED FLASHING ARROW TO REMAIN AT THE END OF THE TAPER. THE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION THAT IS TO MOVE WITH THE WORK AREAS TO KEEP A 70 FEET MIN. AND 150 FEET MAX. BUFFER IN ADVANCE OF EACH WORK AREA.
- 13. THE CONTRACTOR TO 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 TO BE SUBMITTED TO THE RE AS SPECIFIED IN THE SPECIFICATIONS.
- 14 BACKFILL ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY AND PLACE ON AT LEAST 6H:1V SLOPE BEFORE THE END OF EACH WORK DAY. OTHER EXCAVATED AREA WITHIN THE CLEAR ZONE ARE TO BE BACKFILLED.
- 15 WHERE REQUIRED, THE CONTRACTOR IS TO MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE RE.
- 16. BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES TO 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.
- 17. THE PLACEMENT AND / OR RELOCATION OF CONSTRUCTION BARRIER CURB TO BE DONE DURING ALLOWABLE LANE CLOSURE HOURS.
- 18. CONSTRUCTION ZONE SPEED LIMIT WILL BE DETERMINED BY THE BUREAU OF TRAFFIC ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE, AT THE TIME OF OR DURING CONSTRUCTION, AS REQUESTED BY THE RE.
- 19. THE SPEED LIMIT, R2-1 (BLACK ON WHITE) WITH ADDED WORK ZONE PLATE (BLACK ON ORANGE) SIGNS TO BE LOCATED THROUGH WORK AREAS AS DIRECTED BY THE BUREAU OF TRAFFIC ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE
- 20. The reduced speed ahead sign, w3-5(s) (black on orange) to be located IN ADVANCE OF SPEED LIMIT R2-1 SIGNS WHICH REDUCE THE NORMAL POSTED
- SPEED LIMIT THROUGH THE CONSTRUCTION ZONE. 21. TRAFFIC FINES DOUBLED IN WORK AREA R(NJ)5-17(S), 4 FEET BY 2.5 FEET SIGN TO BE LOCATED 500 FEET AFTER THE FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA LOCATED WITHIN URBAN AREAS. THIS SIGN TO ALSO BE USED ON PROJECTS REQUIRING MOVING OPERATIONS IN WHICH CASE THE SIGN IS TO BE
- 22. DO NOT CONSTRUCT THE FINAL HMA SURFACE PAVEMENT UNTIL THE FINAL STAGE OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE RE OR INDICATED ON THE PLANS. SET MANHOLES AND INLETS TO FINISHED GRADE AND CONSTRUCT TEMPORARY PAVEMENT RAMPS AROUND THEM WITH A MINIMUM 20H:1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.

23. PLACE TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. AS SHOWN ON PLANS. NO SIGNS ARE TO BE PLACED WITHOUT ACTUAL LANE CLOSURES AND REMOVE IMMEDIATELY UPON REMOVAL OF THE CLOSURES.

24. CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE RE.

WHEN THE FOLLOWING TERMS ARE USED, THE INTENT AND MEANING IS AS FOLLOWS:

FLOW" WHICH IS ROUTINELY SET UP AND REMOVED ON A DAILY BASIS.

CANNOT BE COMPLETED ON THE PROPOSED DATE.

ESTABLISHMENT CANNOT BE COMPLETED ON THE PROPOSED DATE.

PERSON AS SPECIFIED IN SUBSECTION 101.04 OF THE SPECIAL PROVISIONS

FLOW" WHICH REMAINS IN PLACE CONTINUOUSLY FOR 24 HOURS OR MORE.

IMPACTS TO NORMAL TRAFFIC FLOW - WORK THAT REQUIRES A PORTION OF THE PAVED

BUT NOT LIMITED TO, FULL OR PARTIAL LANE CLOSURES, FULL OR PARTIAL RAMP CLOSURES,

LANE SHIFTS, OR ALTERNATING TRAFFIC. THIS APPLIES EVEN WHEN DETOURS ARE PROVIDED.

i. TEMPORARY LANE CLOSURES — WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC

iii. PERMANENT LANE CLOSURES — WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC

FOR THE INITIAL START OF WORK THAT REQUIRES "IMPACTS TO NORMAL TRAFFIC FLOW". THE

BY THE DEPARTMENT, OF THE PROPOSED DATE. THE NOTICE IS TO BE SUBMITTED AT LEAST TWENTY-EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, BEFORE THE

PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR IS TO CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE SEVEN (AND/OR FOURTEEN) CALENDAR DAYS BEFORE

STARTING THE ESTABLISHMENT OF THE TRAFFIC CONTROL MEASURES FOR THE TRAFFIC IMPACT.

FOR A "PERMANENT LANE CLOSURE", THE CONTRACTOR IS TO NOTIFY THE RE IN WRITING, ON

THE NOTICE IS TO BE SUBMITTED AT LEAST TWENTY-EIGHT CALENDAR DAYS, BUT NOT MORE

THAN SIXTY CALENDAR DAYS, IN ADVANCE OF THE PROPOSED DATE. START OF A NEW TRAFFIC

ÒF THE NEW PATTERN. THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE RE IF THE PROPOSED

ADVANCE FORM TO-103, OF THE PROPOSED DATE A NEW TRAFFIC PATTERN WILL BE ESTABLISHED.

PATTERN WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR IS TO CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE OF THE NEW TRAFFIC PATTERN SEVEN

(AND/OR FOURTEEN) DAYS BEFORE STARTING TRAFFIC CONTROL MEASURES FOR THE ESTABLISHMENT

STARTING THE ESTABLISHMENT OF A NEW PERMANENT TRAFFIC PATTERN IS TO BEGIN NO EARLIER THAN

ALL "IMPACTS TO NORMAL TRAFFIC FLOW" SCHEDULED FOR THE SEVEN DAY PERIOD STARTING ON THE

FOLLOWING MONDAY ARE TO BE SUBMITTED TO THE RE BY 9:00 AM OF EACH FRIDAY ON WEEKLY FORM

EACH DAY OF "TEMPORARY LANE CLOSURES" ARE TO BE SUBMITTED TO THE RE BY 9:00 AM THE DAY IN

REQUEST FOR A CHANGE TO THE TRAFFIC CONTROL REQUIREMENTS IN THE CONTRACT DOCUMENTS ARE TO BE

CHANGES TO THE SCHEDULED HOURS FOR "TEMPORARY LANE CLOSURES" ARE TO BE SUBMITTED TO THE RE

ADVANCE OF THE START OF THOSE OPERATIONS ON DAILY FORM TO-101 PROVIDED BY THE DEPARTMENT.

"TEMPORARY LANE CLOSURES" FOR WEEKENDS ARE TO BE SUBMITTED TO THE RE BY 9:00 AM ON THE

OTHER PROPOSED CHANGES TO "TEMPORARY LANE CLOSURES" AND ALL CHANGES TO "PERMANENT LANE

IMMEDIATELY PRECEDING FRIDAY ON THE DAILY FORM TO-101 PROVIDED BY THE DEPARTMENT.

AT LEAST EIGHT CALENDAR DAYS IN ADVANCE OF WHEN THE CHANGE IS PROPOSED TO START.

CLOSURES" ARE TO BE SUBMITTED TO THE RE AS SPECIFIED IN THE SPECIFICATIONS.

26. WHERE FINAL HMA PAVING IS PERFORMED AND THE LANE IS TO BE RE-OPENED TO TRAFFIC AND

ENSURE THAT THE ITEM TRAFFIC STRIPES IS APPLIED WITHIN 14 DAYS.

THE ITEM TRAFFIC STRIPES IS UNABLE TO BE APPLIED. APPLY THE ITEM TRAFFIC STRIPES. LATEX.

27. THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS DEMONSTRATE ONE METHOD OF MAINTAINING TRAFFIC

DURING CONSTRUCTION. SHOULD THE CONTRACTOR CHOOSE A DIFFERENT METHOD TO CONTROL TRAFFIC, PLANS

DEPARTMENT PRIOR TO IMPLEMENTATION. MODIFICATIONS TO THE ORIGINAL TRAFFIC CONTROL PLANS SHALL NOT BE

JUSTIFICATION FOR ADDITIONAL COMPENSATION. CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS ASSOCIATED WITH

MUST BE SUBMITTED AND APPROVED BY THE RE, COUNT ENGINEER, AND STONE HARBOR BOROUGH POLICE

11:00 PM FRIDAY AND BE COMPLETED AND READY FOR OPERATIONS BY 6:00 PM THE FOLLOWING SUNDAY.

THE ESTABLISHMENT IS TO BE COMPLETED IN ACCORDANCE WITH THE LANE CLOSURE HOURS SPECIFIED IN

ADVANCE NOTICES SENT PRIOR TO THE PRE-CONSTRUCTION MEETING ARE TO BE ADDRESSED TO THE CONTACT

THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT

CONTRACTOR IS TO NOTIFY THE RE IN WRITING, ON THE ADVANCE FORM TO-103 PROVÍDED

PROPOSED DATE. START OF WORK THAT IMPACTS NORMAL TRAFFIC FLOW WILL NOT BE

ROADWAY BEING BLOCKED OR CLOSED WITH SAFETY DEVICES OR VEHICLES, INCLUDING,

SHOULDER CLOSURES, MOVING OPERATIONS SUCH AS TRAFFIC STRIPING OR SWEEPING,

TRAFFIC

PROTECTION OF

TC-1

COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

SHEET 29 OF 5

DRAWN BY: JC APRIL 2023 APPROVED:

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600

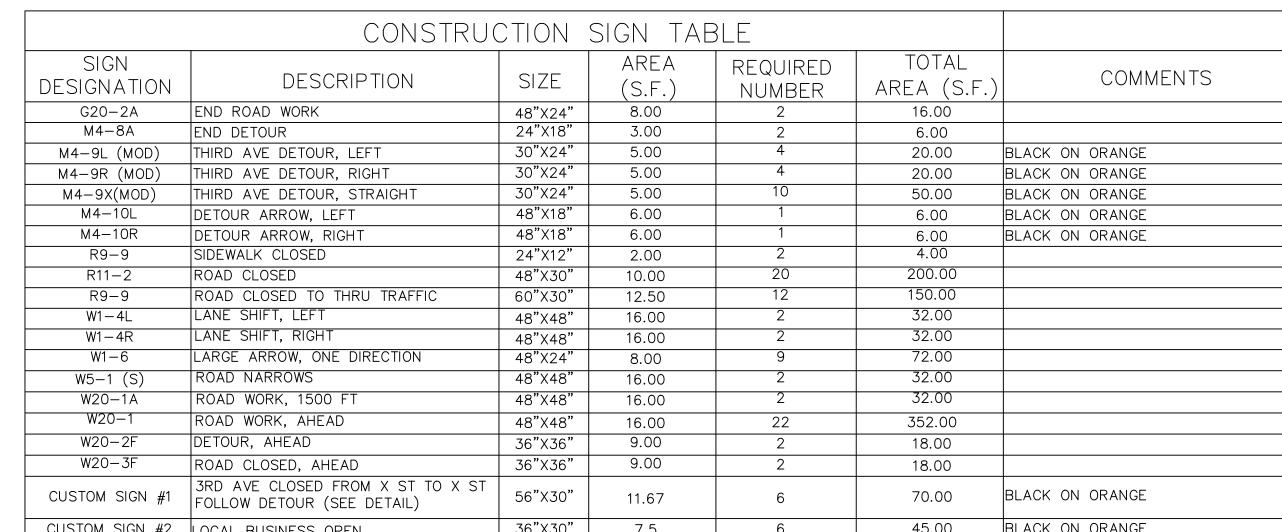
BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

MAINTENANCE AND

RESURFACING OF THIRD AVENUE (CR 619)

MOUNTED ON A SLOW MOVING CONSTRUCTION VEHICLE.

STATE | FEDERAL PROJECT NO. STBGP-0619(343)

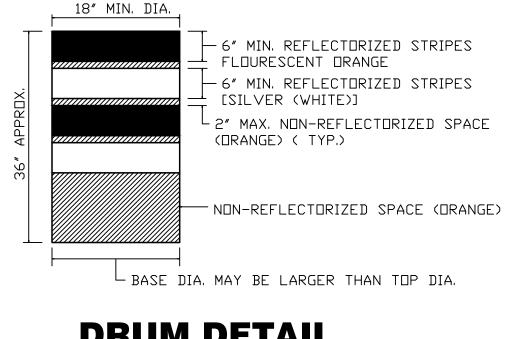


CUSTOM SIGN #2 LOCAL BUSINESS OPEN 36"X30" 45.00 BLACK ON ORANGE 7.5 TOTAL 1181 SF

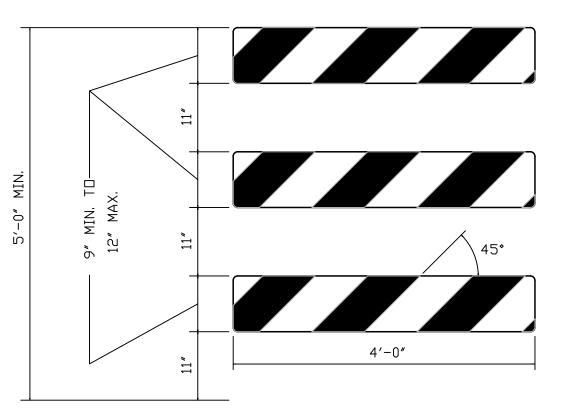
— 1 3/4" MIN. □.D. — 3" T□ 4" SPACE FOR HANDLING. -6" SILVER (WHITE) RETROREFLECTIVE SHEETING, ASTM D-4956 TYPE III — 2" SPACE - 4" SILVER (WHITE) RETROREFLECTIVE SHEETING, ASTM D-4956 TYPE III MIN. WEIGHT 7 LBS. ├── 7 1/2″ MIN. □.D.

TRAFFIC CONES

14″ MIN.



DRUM DETAIL



TYPE III BARRICADE - FRONT VIEW

NOTES:

1. THE 9" MIN. \times 48", \square R 12" MAX. \times 48" BARRICADE RAILS SHALL BE FABRICATED FROM 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 1 INCH NO. 14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.

- 2. DRANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, ASTM D 4956 TYPE III, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE DRANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC
- 3. IF NECESSARY, THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURE'S RECOMMENDATION.
- 4. THE FRAMING FOR BARRICADE PANELS SHALL BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED.

BREAKAWAY BARRICADES

COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

APRIL 2023 SHEET 30 OF 52 DRAWN BY: JC NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600

APPROXIMATE LOCATION OF DRUMS -APPROXIMATE LOCATION OF DURING WORKING HOURS DRUMS DURING NON-WORKING HOURS AS DIRECTED ROADWAY — GREATER THAN 2 INCHES OPEN EXCAVATION

FILLET OF MATERIAL DENSE GRADED AGGREGATE BASE COURSE OR OTHER MATERIAL AS APPROVED BY THE RE.

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

REGULATORY APPROACH SPEED OF			DED SIGHT DISTANCE TO F CHANNELIZING TAPERS		
TRAFFIC	DESI	MINIMUM			
MILES/HOUR	RURAL FEET	URBAN FEET	RURAL AND URBAN FEET		
25	375	525	150		
30	450	625	200		
35	525	725	250		
40	600	825	325		
45	675	925	400		
50	750	1025	475		
55	875	1150	550		
60	1000	1275	650		
65	1050		725		

NOTES:

- 1. AVOIDANCE MANEUVER IS FOR A SPEED, PATH, AND / OR DIRECTION CHANGE PRIOR TO THE BEGINNING OF CHANNELIZING TAPERS.
- 2. RECOMMENDED DISTANCES BETWEEN TWO SEPARATE LANE CLOSURES ARE DOUBLE THE VALUES SHOWN ABOVE.
- 3. RURAL AND URBAN ROAD DESIGNATIONS ARE AS DEFINED IN THE NJDOT
- 4. PROVIDE DESIRABLE VALUES WHEREVER POSSIBLE. IF IT IS NOT FEASIBLE OR PRACTICAL TO PROVIDE DESIRABLE VALUES BECAUSE OF HORIZONTAL OR VERTICAL CURVATURE OR IF RELOCATION OF THE TAPER IS NOT POSSIBLE, THEN MINIMUM VALUES CAN BE APPLIED. WHEN MINIMUM VALUES ARE USED, PAY SPECIAL ATTENTION TO THE USE OF SUITABLE TRAFFIC CONTROL DEVICES WHEN PROVIDING ADVANCED WARNING OF THE CONDITIONS THAT ARE LIKELY TO BE ENCOUNTERED.
- 5. LOCATE TAPERS TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.

RECO	RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS							
REGULATORY APPROACH SPEED OF TRAFFIC	TAPER RATIO IN LENGTH PER FOOT	MINIMUM TAPER LENGTH L - FOR LANE WIDTHS			MAXIMUM DEVICE (B) SPACING ALONG TAPERS IN FEET	MAXIMUM DEVICE (D) SPACING ALONG TANGENTS IN FEET		
MILES / HOUR		10'	11'	12'				
25	10.5:1	105	115	125	25	50		
30	15:1	150	165	180	30	60		
35	20.5:1	205	225	245	35	70		
40	27:1	270	300	325	40	80		
45	45:1	450	495	540	45	90		
50	50:1	500	550	600	50	100		
55	55:1	550	605	660	55	110		
60	60:1	600	660	720	60	120		
65	65:1	650	715	780	65	130		

NOTE:

REVISION

THE MAXIMUM DEVICE SPACING ALONG CURVES IS DEFINED FOR TAPERS (B) IN THE ABOVE TABLE.

CHK.

DATE

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

PROTECTION OF **TRAFFIC**

<u>4' x 8' BOARD</u> FLASHING MESSAGES TO LIGHT AS FOLLOWS

CAUTION BAR 1,5,11 &15

<u>2' x 4' BOARD</u>

CAUTION BAR 1,5,9 &13

ILLUMINATED FLASHING ARROWS

RIGHT ARROW 3,6,7,9,10,11,12&13 LEFT ARROW 1,2,3,4,5,7,8&11

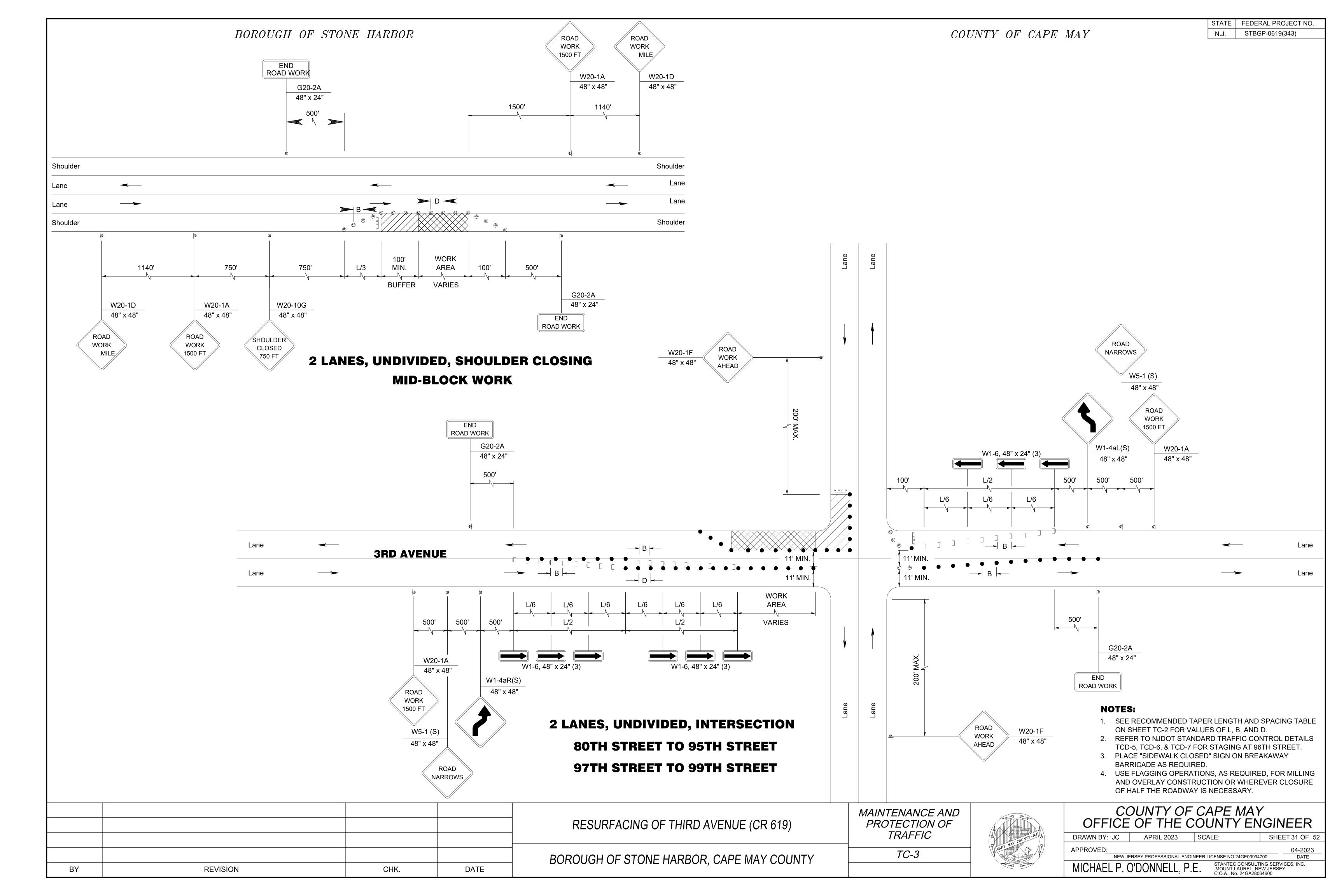
DOUBLE ARROW 1,2,3,4,5,7,9,10,11,12&13

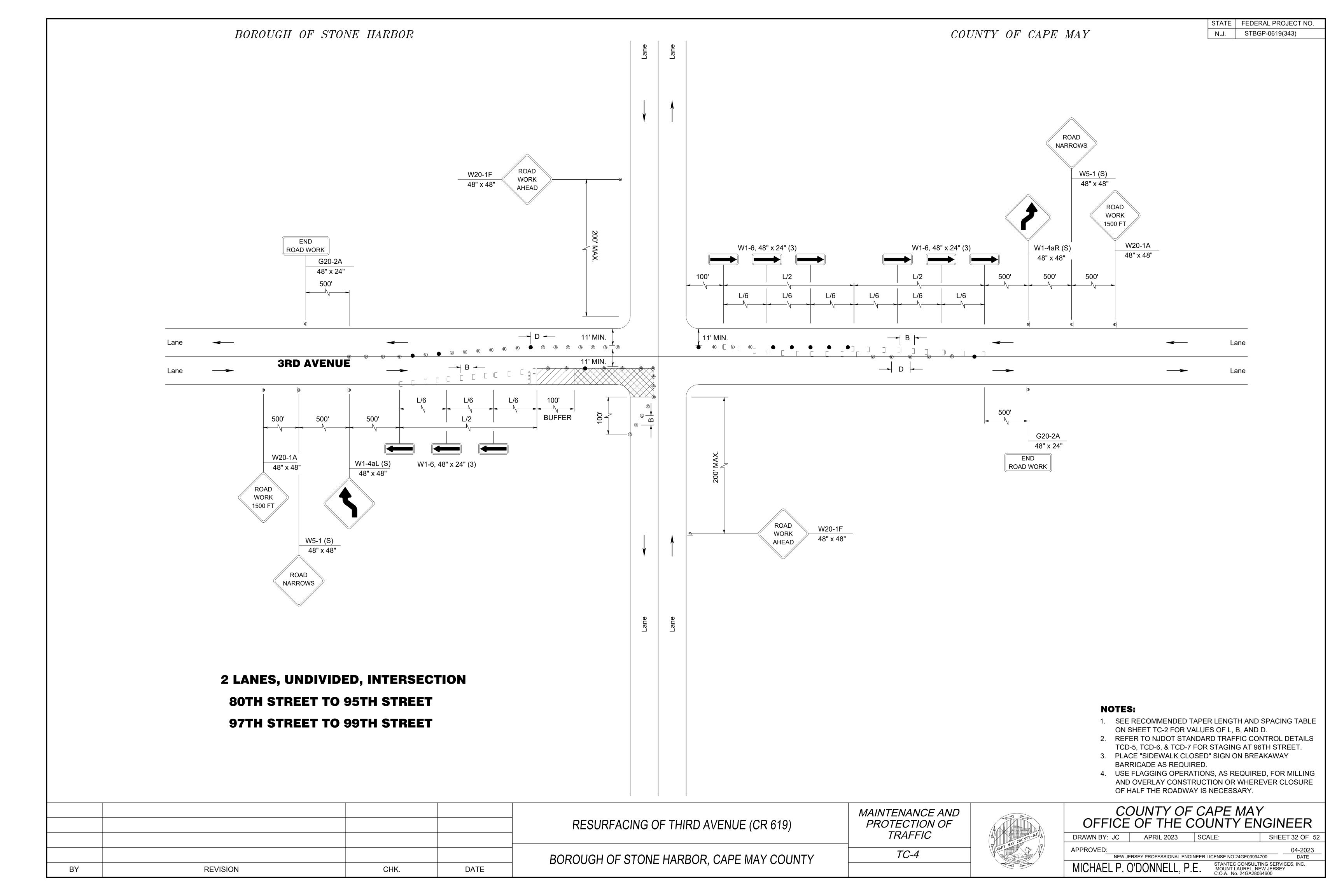
RIGHT ARROW 3,6,7,8,9,11,12,13,14&15 LEFT ARROW 1,2,3,4,5,7,8,9,10&13

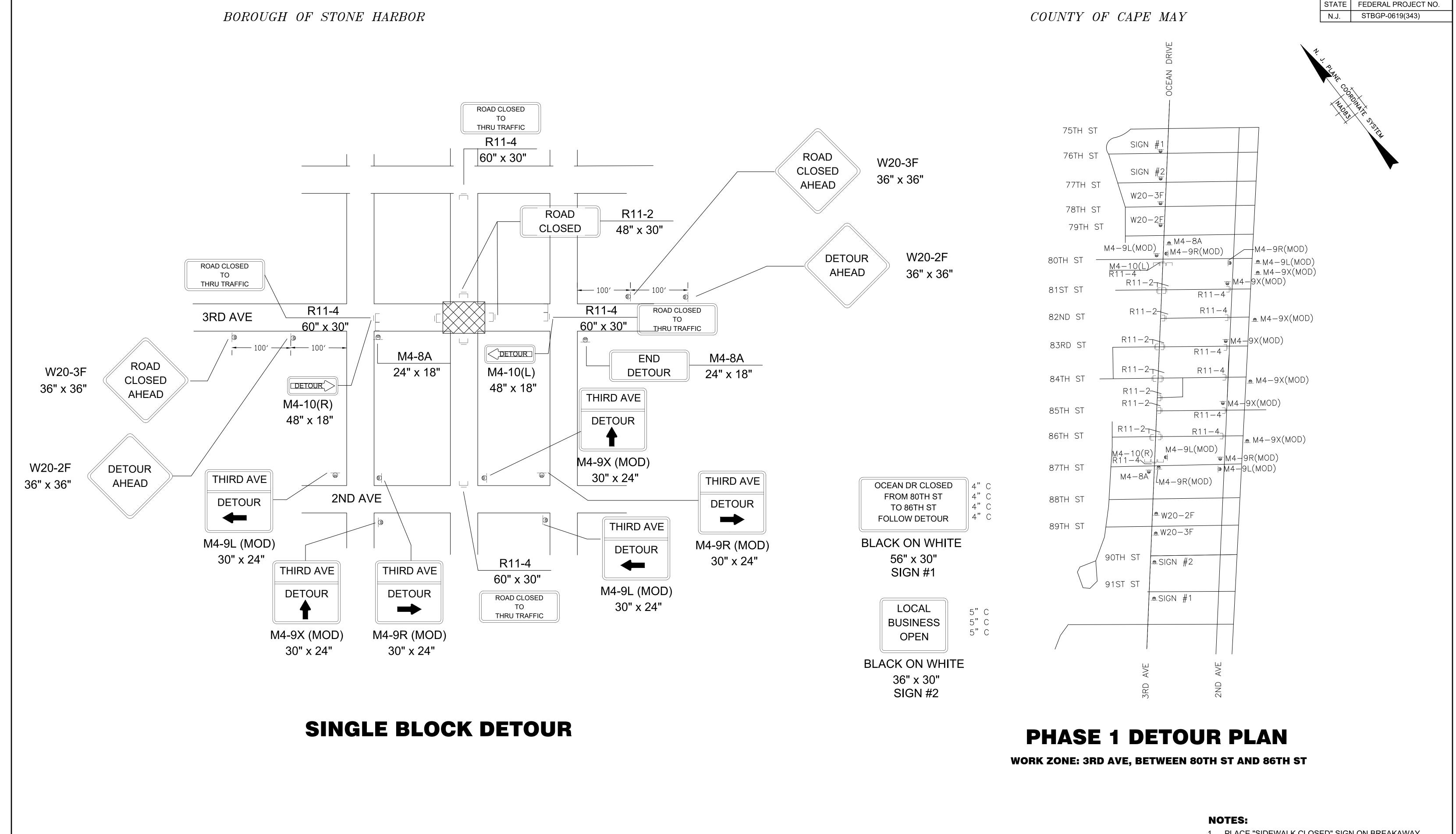
DOUBLE ARROW 1,2,3,4,5,7,8,9,11,12,13,14&15

RESURFACING OF THIRD AVENUE (CR 619)

MAINTENANCE AND TC-2







- 1. PLACE "SIDEWALK CLOSED" SIGN ON BREAKAWAY BARRICADE AS REQUIRED.
- 2. TRAFFIC ACCESS MUST BE MAINTAINED TO AND FROM WEST SIDE STREETS AT ALL TIMES.

MAINTENANCE AND PROTECTION OF RESURFACING OF THIRD AVENUE (CR 619) TRAFFIC *TC-5* BOROUGH OF STONE HARBOR, CAPE MAY COUNTY REVISION CHK. DATE



COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

APRIL 2023 DRAWN BY: JC NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700

PHASE 2A DETOUR PLAN

WORK ZONE: 3RD AVE, BETWEEN 86TH ST AND 96TH ST

PHASE 2B DETOUR PLAN

WORK ZONE: 3RD AVE, BETWEEN 96TH ST AND 99TH ST

NOTES:

- 1. PLACE "SIDEWALK CLOSED" SIGN ON BREAKAWAY BARRICADE AS REQUIRED.
- 2. TRAFFIC ACCESS MUST BE MAINTAINED TO AND FROM WEST SIDE STREETS AT ALL TIMES.

STATE FEDERAL PROJECT NO.

STBGP-0619(343)

BY	REVISION	CHK.	DATE	

96TH ST

RESURFACING OF THIRD AVENUE (CR 619)

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

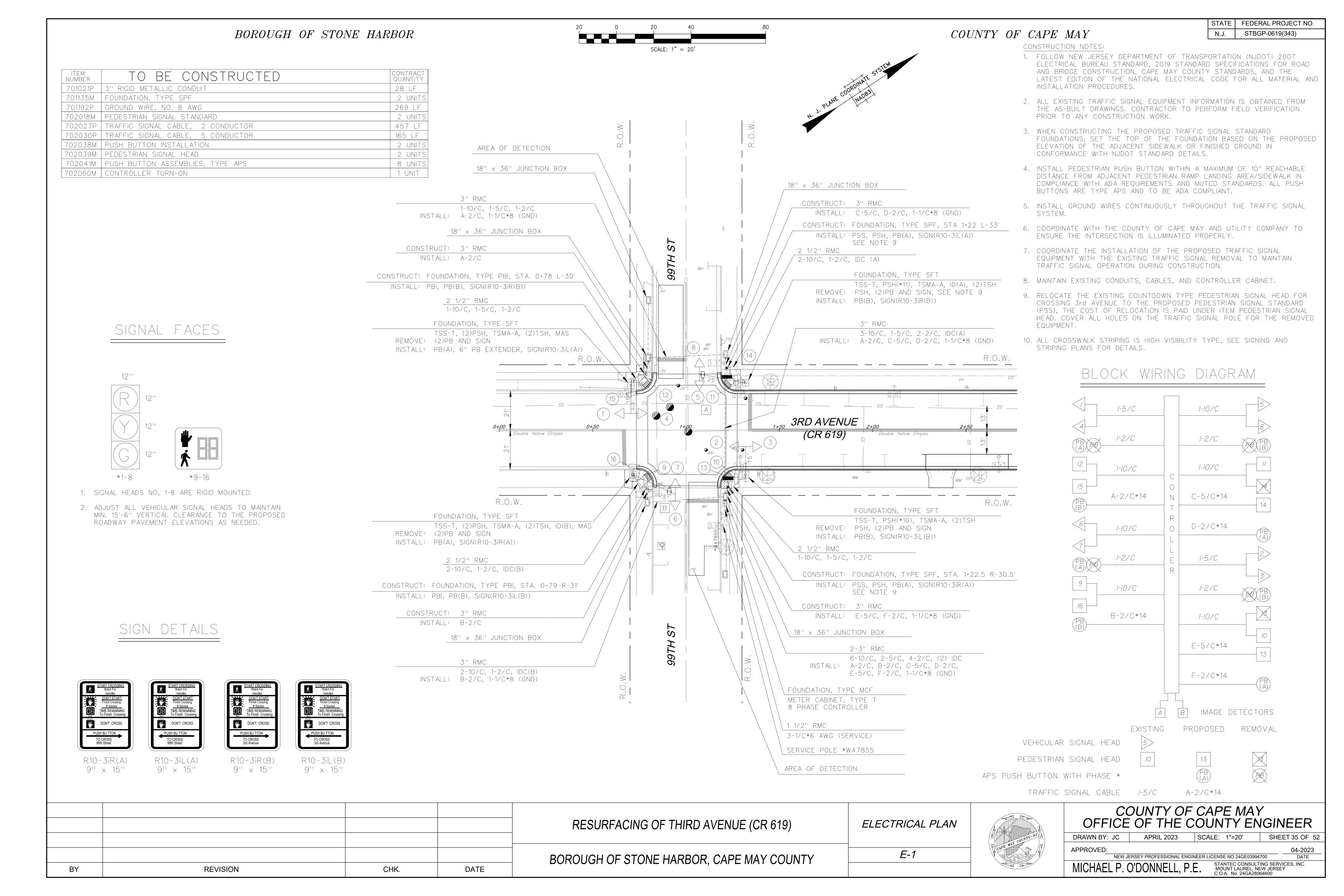
MAINTENANCE AND PROTECTION OF TRAFFIC

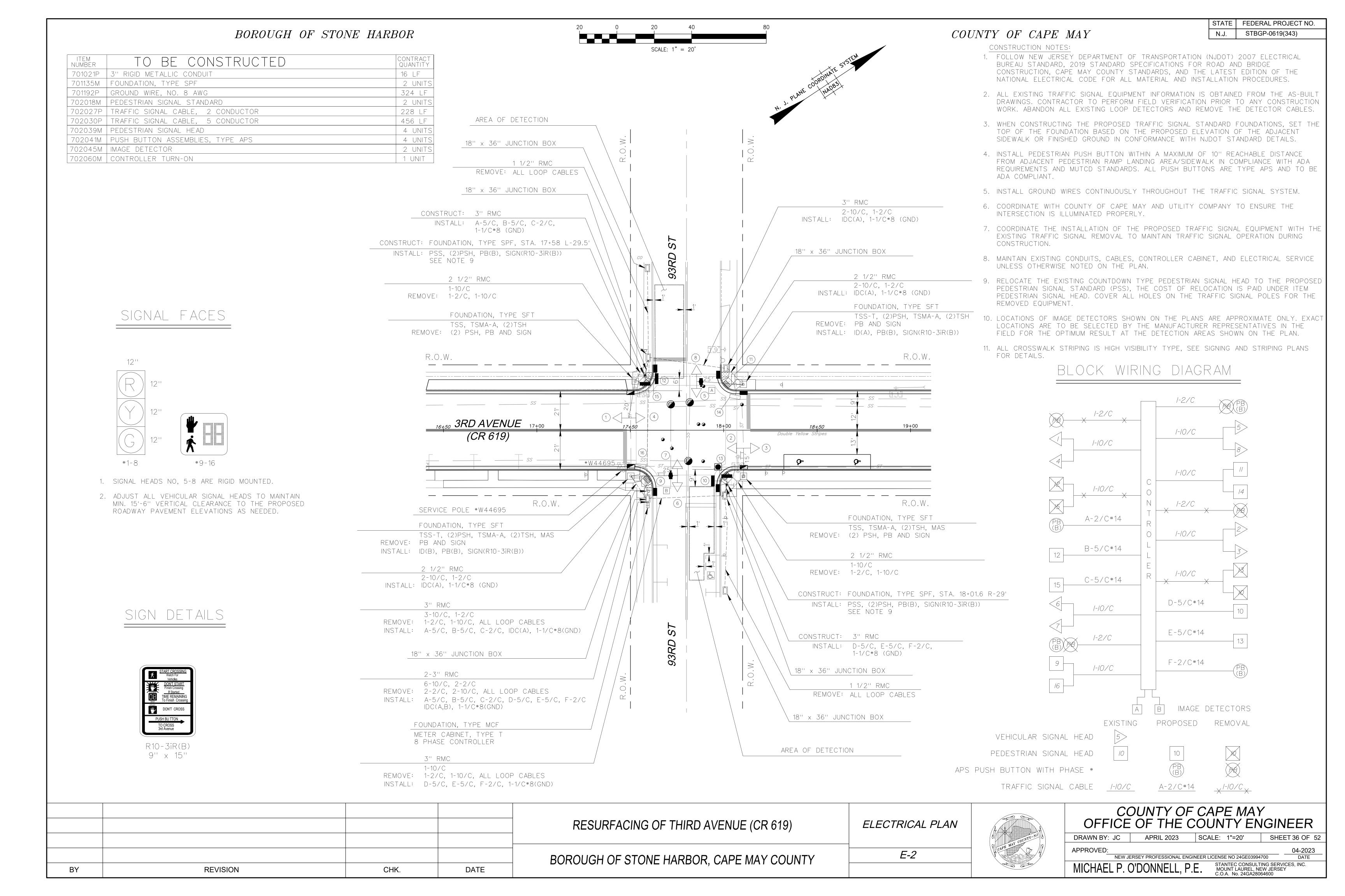
TC-6



COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

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	DRAWN BY: JC		APRIL 2023		SCALE:	SHEET 34 OF 52	
	APPROVED:	NEW I	ERSEY PROFESSIONAL EN	IGIN	EER LICENSE NO 24GE03994	700	04-2023
		14277 01	ENCETTING ECOIOTALE	VOIIV			5,112
	MICHAEL	_ P. (O'DONNELL, F	P.E	STANTEC CONSULT MOUNT LAUREL, NE COANO 24GA280	EW JERSE	





STATE | FEDERAL PROJECT NO.

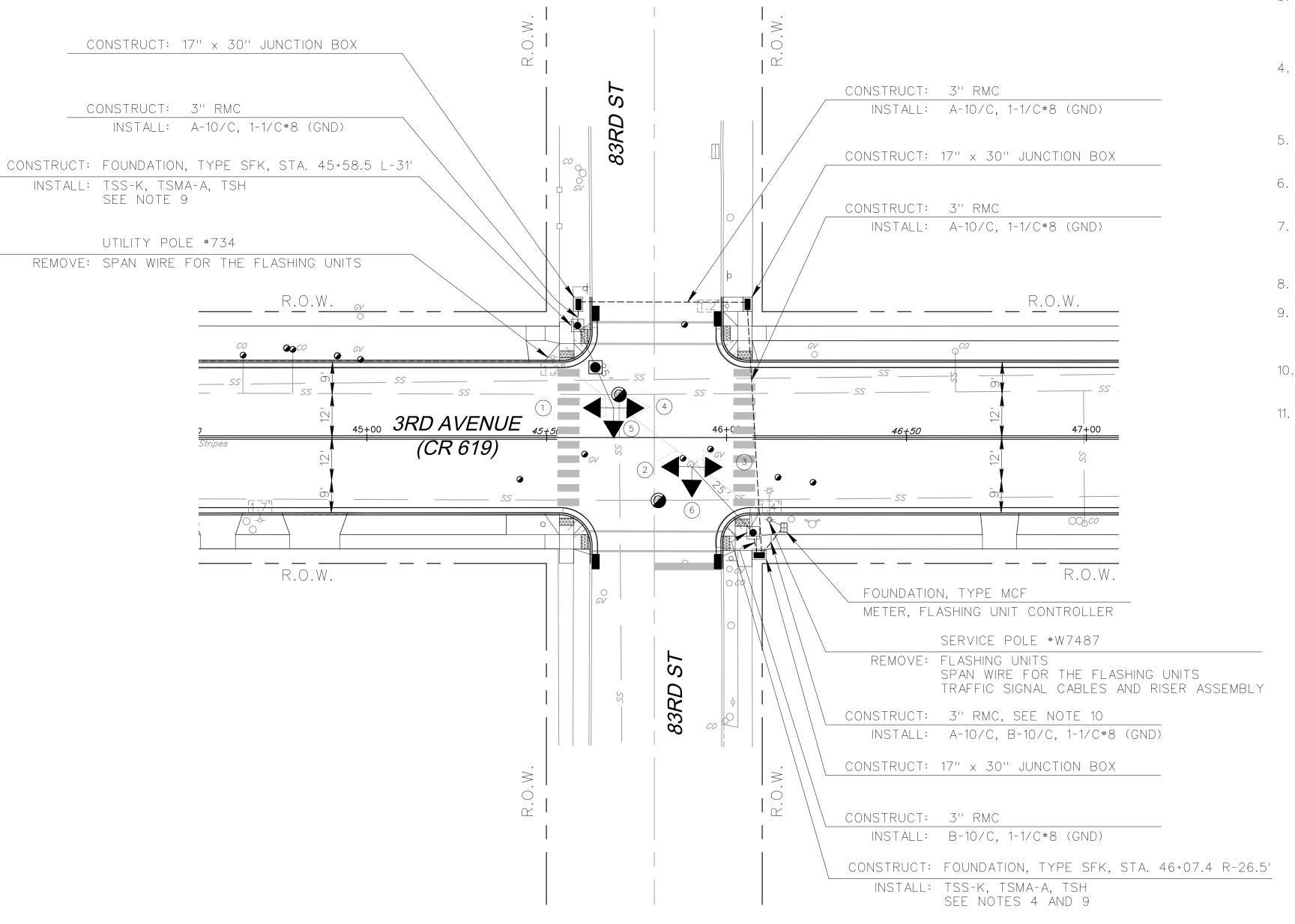
STBGP-0619(343)

ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
201003P	CLEARNING SITE	LUMP SUM
701021P	3" RIGID METALLIC CONDUIT	148 LF
701099M	17" X 30" JUNCTION BOX	3 UNITS
701144M	FOUNDATION, TYPE SFK	2 UNITS
701192P	GROUND WIRE, NO. 8 AWG	216 LF
702012M	TRAFFIC SIGNAL STANDARD, ALUMINUM	2 UNITS
702021M	TRAFFIC SIGNAL MAST ARM, ALUMINUM	2 UNITS
702033P	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	241 LF
702036M	TRAFFIC SIGNAL HEAD	2 UNITS
702060M	CONTROLLER TURN-ON	1 UNIT

SIGNAL FACES

#1-4 #5-6

ALL VEHICULAR SIGNAL HEADS TO PROVIDE MIN. 15'-6" VERTICAL CLEARANCE TO THE ROADWAY PAVEMENT ELEVATIONS.

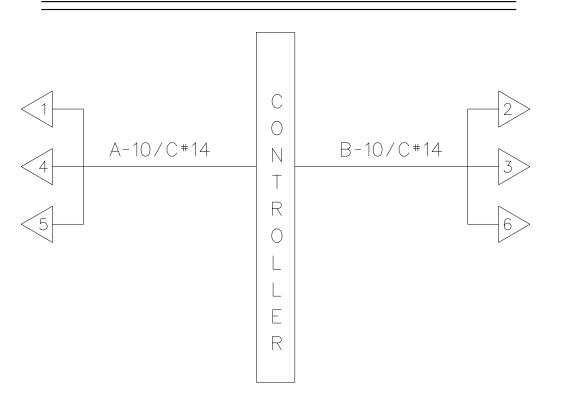


SCALE: 1" = 20'

CONSTRUCTION NOTES:

- 1. FOLLOW NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) 2007 ELECTRICAL BUREAU STANDARD, 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CAPE MAY COUNTY STANDARDS, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE FOR ALL MATERIAL AND INSTALLATION PROCEDURES.
- 2. COORDINATE WITH THE UTILITY COMPANY TO REMOVE THE EXISTING TRAFFIC SIGNAL SPAN WIRE, FLASHING UNITS, AND ASSOCIATED TRAFFIC SIGNAL CABLES. THE WORK IS PAID UNDER ITEM "CLEARING SITE". CONTRACTOR TO PERFORM FIELD VERIFICATION PRIOR TO ANY CONSTRUCTION WORK.
- 3. WHEN CONSTRUCTING THE PROPOSED TRAFFIC SIGNAL STANDARD FOUNDATIONS, SET THE TOP OF THE FOUNDATION BASED ON THE PROPOSED ELEVATION OF THE ADJACENT SIDEWALK OR FINISHED GROUND IN CONFORMANCE WITH NJDOT STANDARD DETAILS.
- 4. AT THE PLACE WHERE THE PROPOSED TRAFFIC SIGNAL MAST ARM CANNOT AVOID THE EXISTING OVERHEAD COMMUNICATION CABLES, CONTRACTOR TO INSTALL ISOLATION WRAP TO AVOID DIRECT CONTACT BETWEEN THE COMMUNICATION CABLE AND TRAFFIC SIGNAL MAST ARM.
- 5. INSTALL GROUND WIRES CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM.
- 6. COORDINATE WITH THE COUNTY OF CAPE MAY AND UTILITY COMPANY TO ENSURE THE INTERSECTION IS ILLUMINATED PROPERLY.
- 7. COORDINATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT WITH THE EXISTING TRAFFIC SIGNAL REMOVAL TO MAINTAIN TRAFFIC SIGNAL OPERATION DURING CONSTRUCTION.
- 8. MAINTAIN THE EXISTING CONTROLLER CABINET AND ELECTRICAL FEED.
- 9. EACH PROPOSED FLASHING SIGNAL FACE IS MEASURED AS ONE SECTION OF THE STANDARD THREE-SECTION TRAFFIC SIGNAL FACE. THEY ARE COUNTED TOGETHER AND PAID UNDER THE ITEM "TRAFFIC SIGNAL HEAD".
- 10. CONNECT THE EXISTING TRAFFIC SIGNAL CABLE CONDUIT ENTRANCE FOR THE PROPOSE UNDERGROUND CONDUIT.
- 11. ALL CROSSWALK STRIPING IS HIGH VISIBILITY TYPE, SEE SIGNING AND STRIPING PLANS FOR DETAILS.

BLOCK WIRING DIAGRAM



PROPOSED

VEHICULAR SIGNAL HEAD

TRAFFIC SIGNAL CABLE

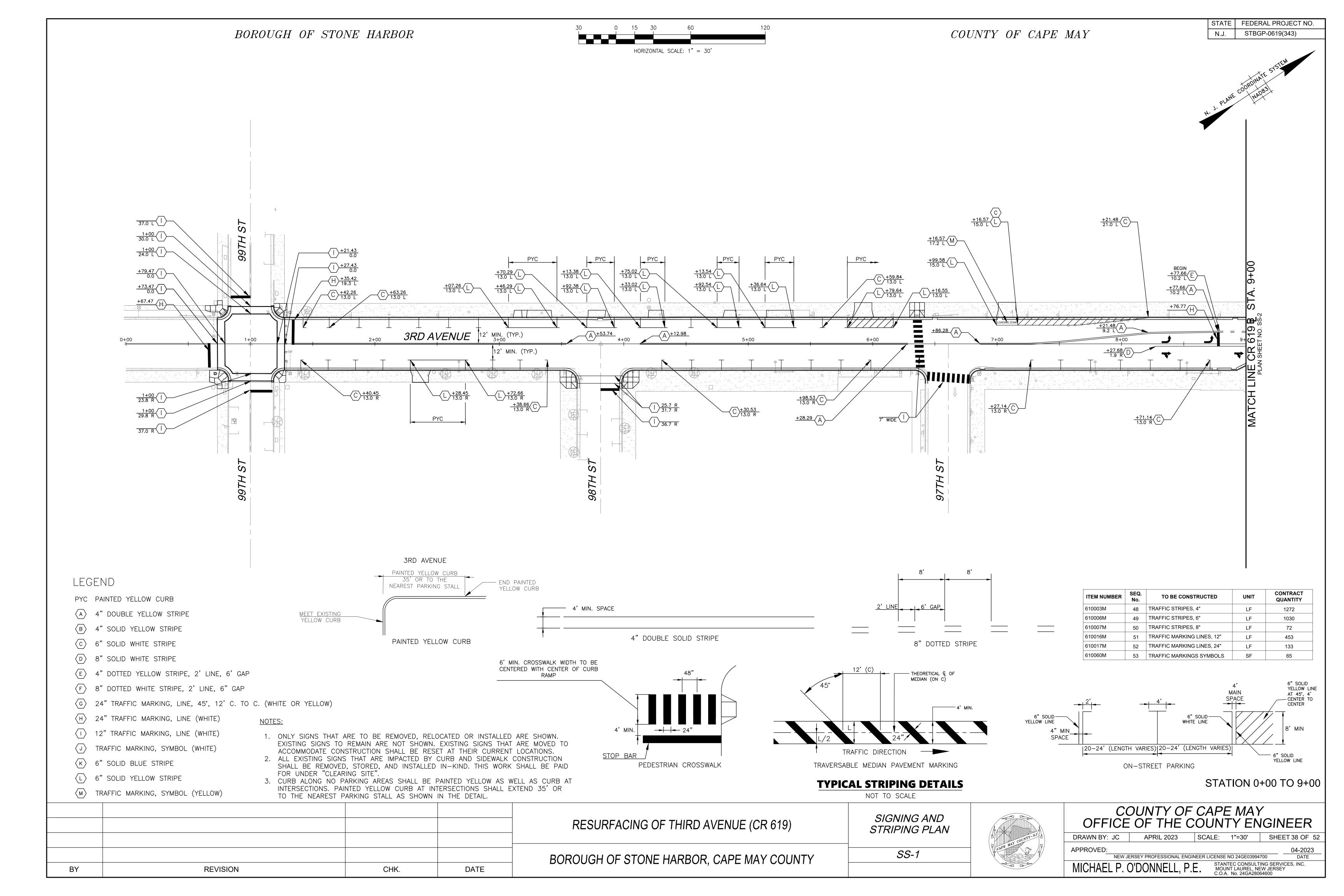
1 A-10/C#14

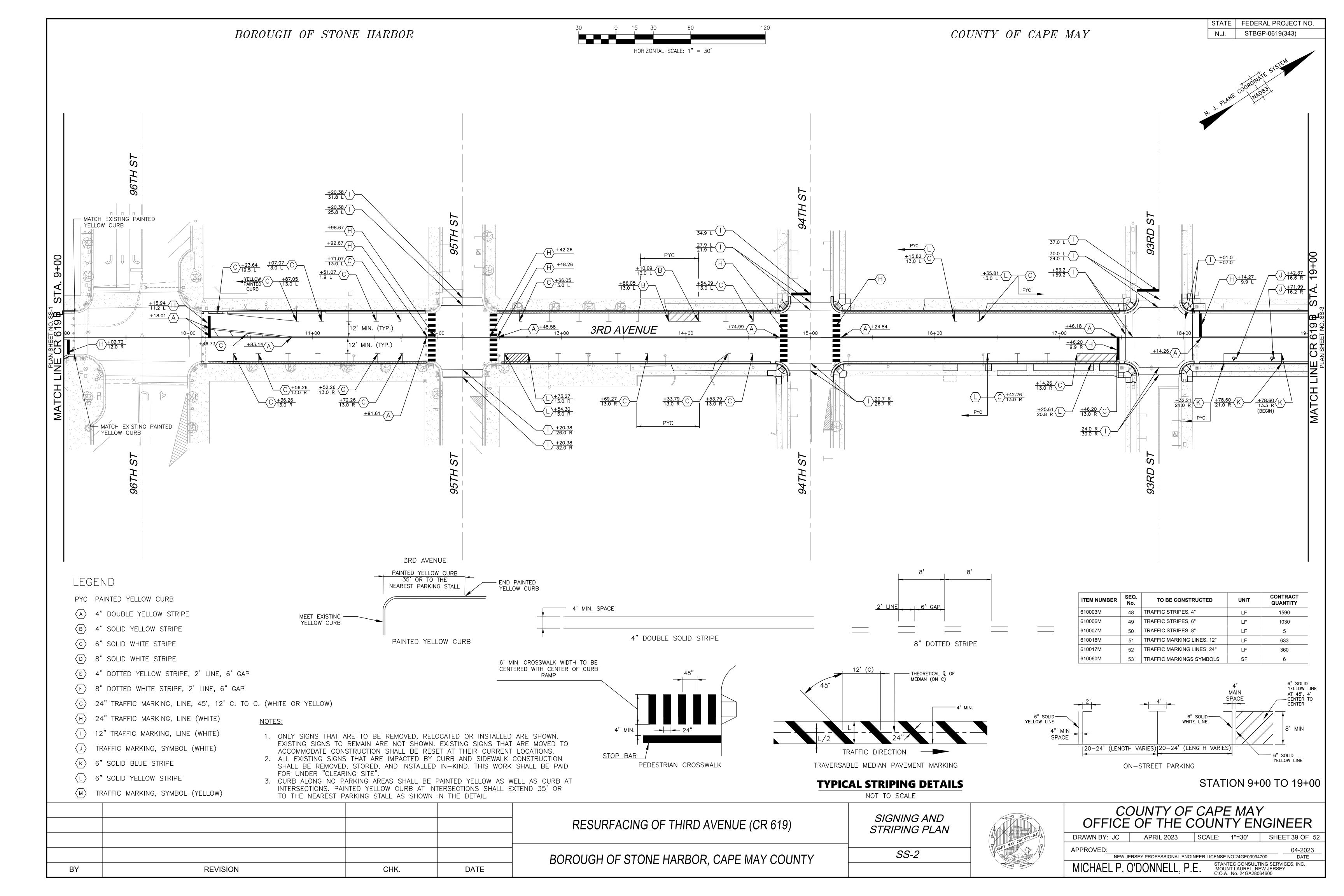
				RESURFACING OF THIRD AVENUE (CR 619)	ELECTRICAL PLAN	
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	E-3	

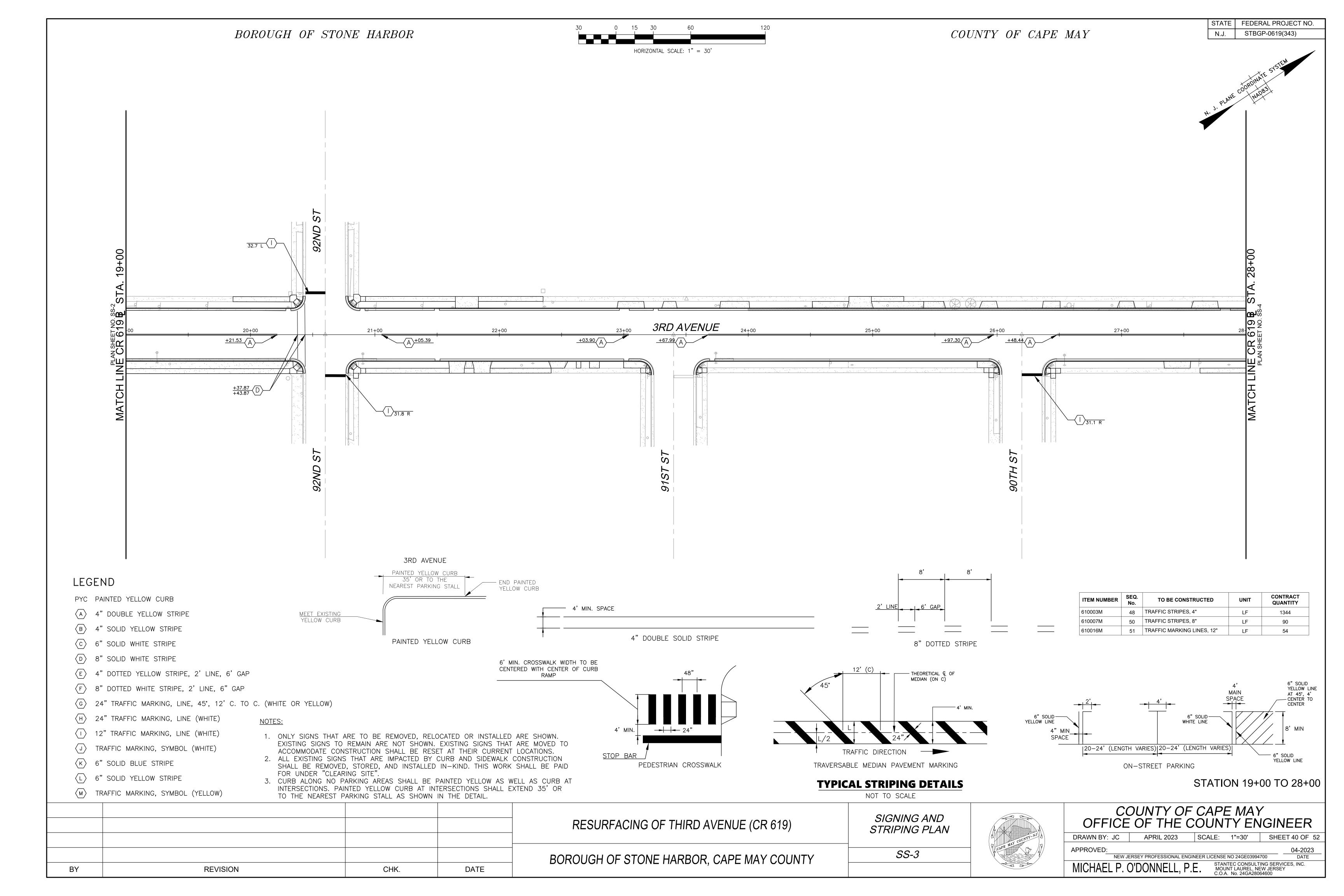


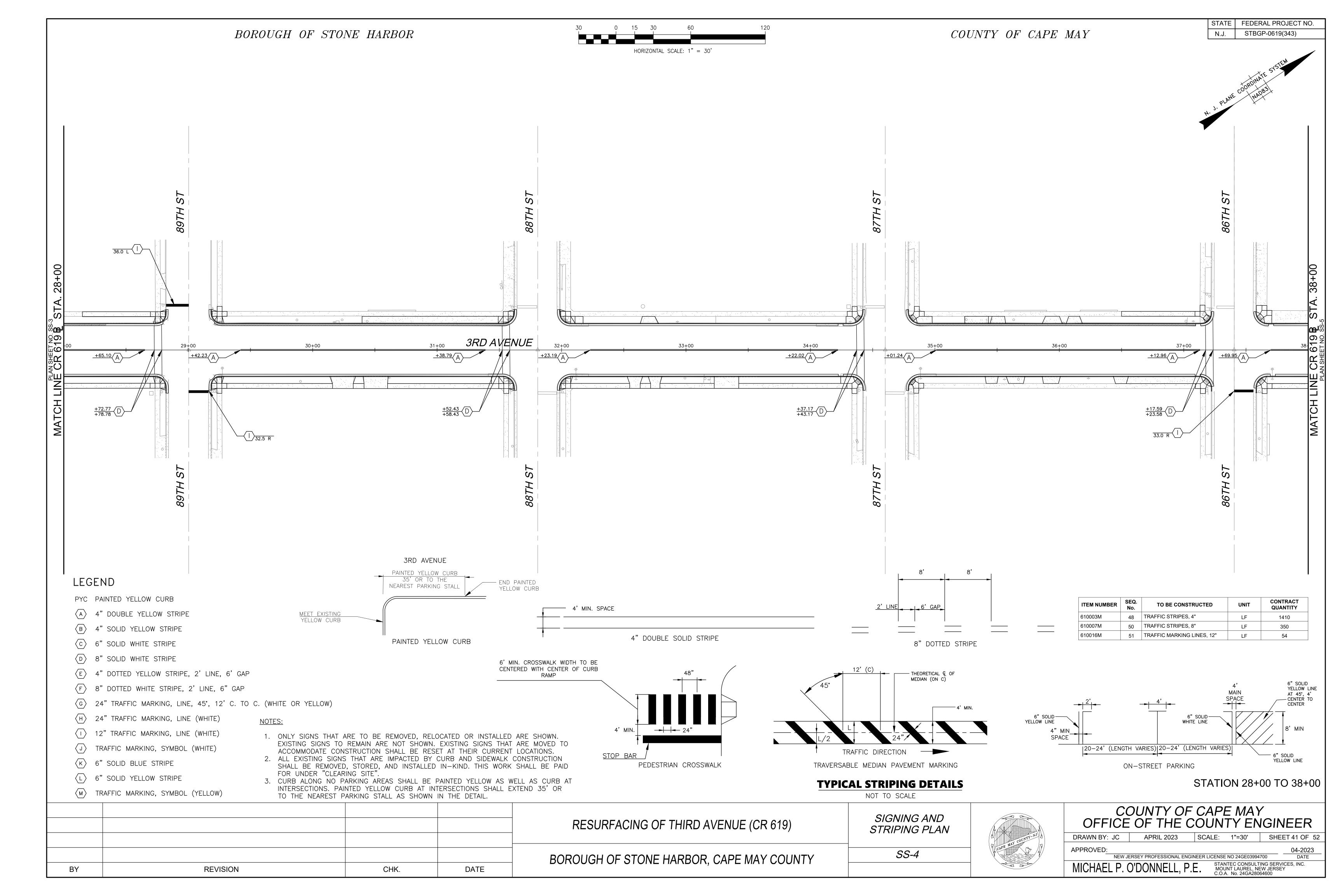
COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

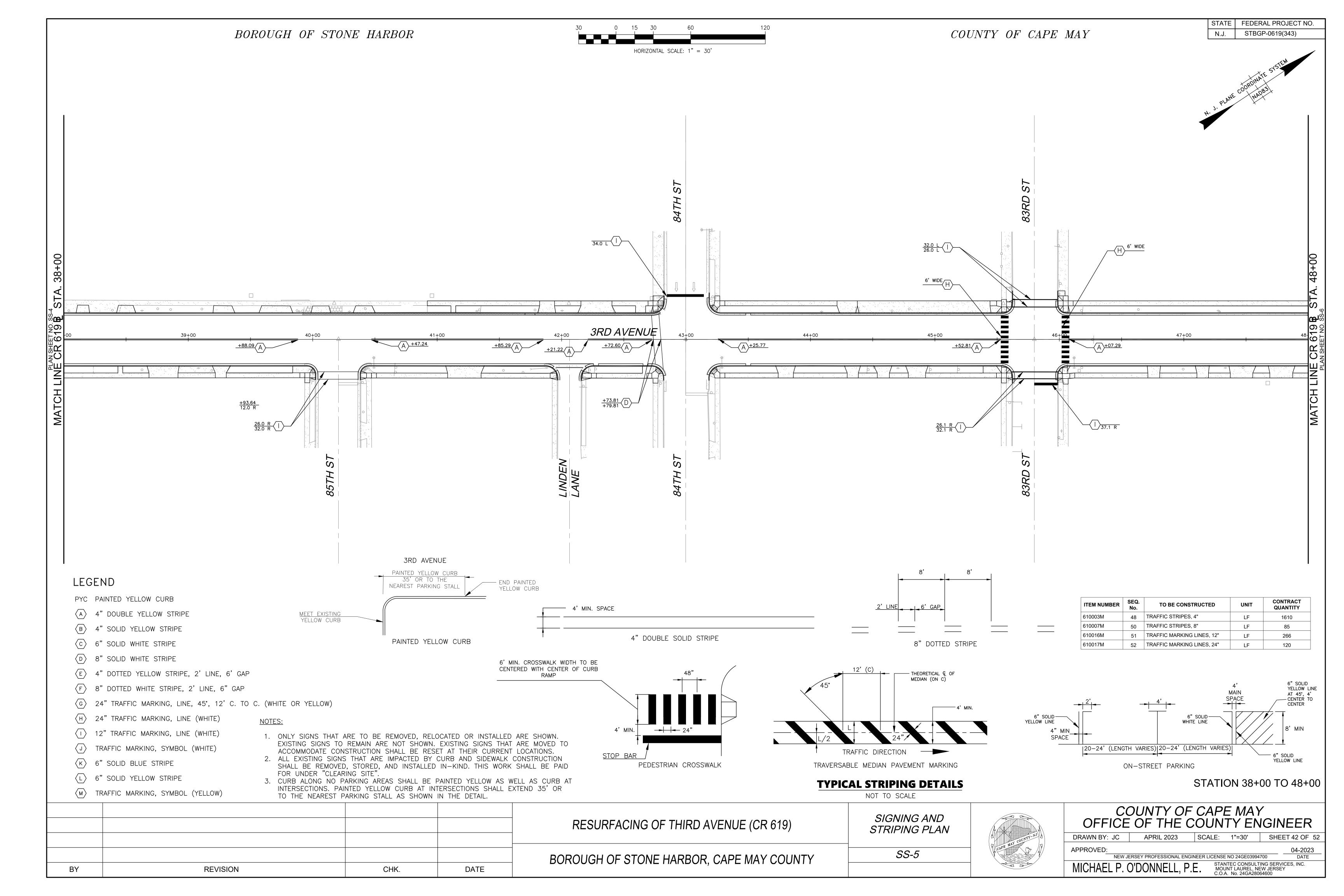
DRAWN BY: JC	APRIL 2023	SCALE: 1"=20'	SHE	ET 37 OF 52)
APPROVED:				04-2023	_
NEW J	ERSEY PROFESSIONAL ENGI	NEER LICENSE NO 24GE03994	700	DATE	
MICHAEL P. (O'DONNELL, P.	STANTEC CONSULT MOUNT LAUREL, NE C.O.A. No. 24GA280	EW JERSE		

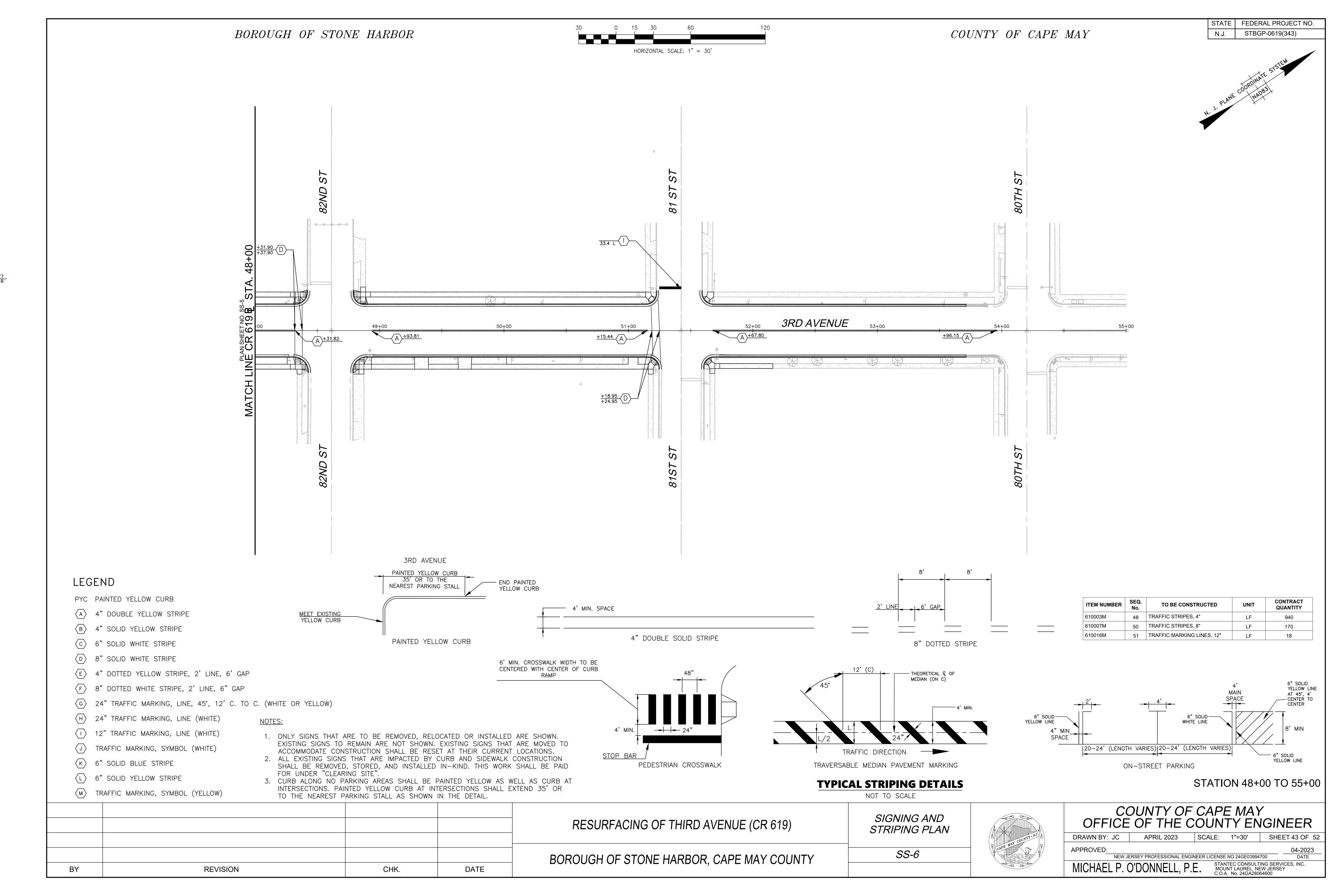


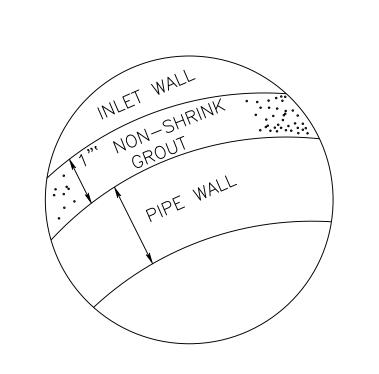












CONNECTION OF PIPE AND INLET FOR PRECAST INLET

EXTERIOR WALL WIRE MESH

RISER JOINT DETAIL FOR PRECAST INLETS

NOTE:

JOINT TO BE GROUTED WITH MORTAR BY CONTRACTOR

CD-602-1.2



ELEVATION

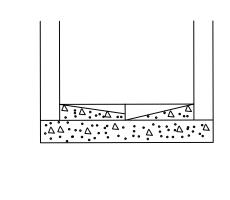
NOTE:

LADDER RUNGS FACING TRAFFIC 12" C TO C

PLAN

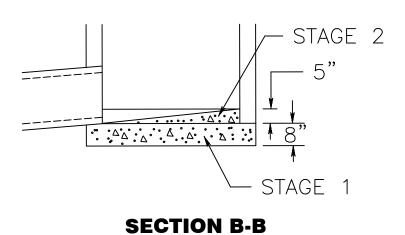
LADDER RUNG DETAIL

CD-602-1.3



SECTION A-A

CD-602-1.1

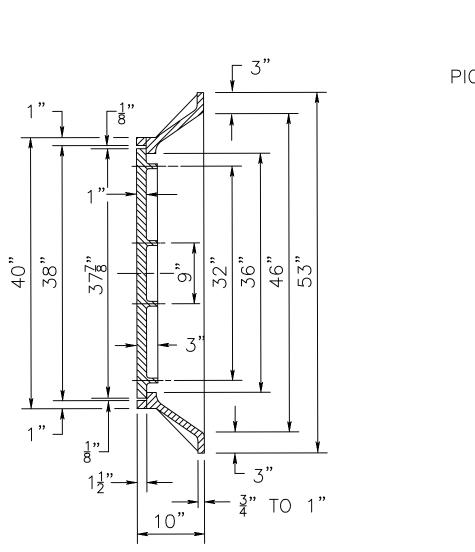


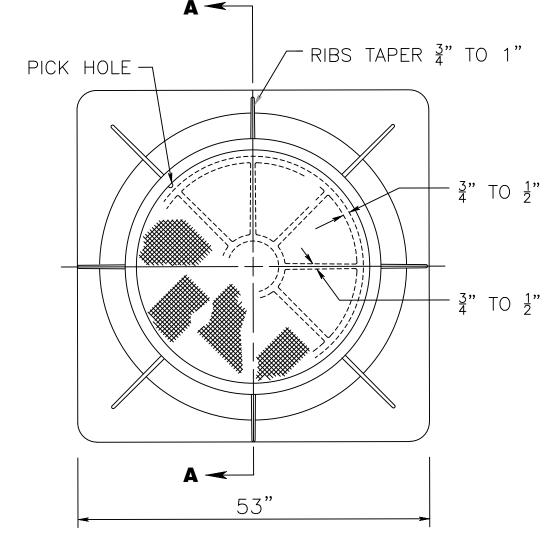
NOTE:

FOUNDATION AND INVERT TO BE CONSTRUCTED IN TWO STAGES. THE TOP SURFACE OF STAGE 1 TO BE LEFT ROUGH.

DETAIL OF INVERT FOR INLET WITHOUT CONTINUOUS PIPE

CD - 602 - 1.4



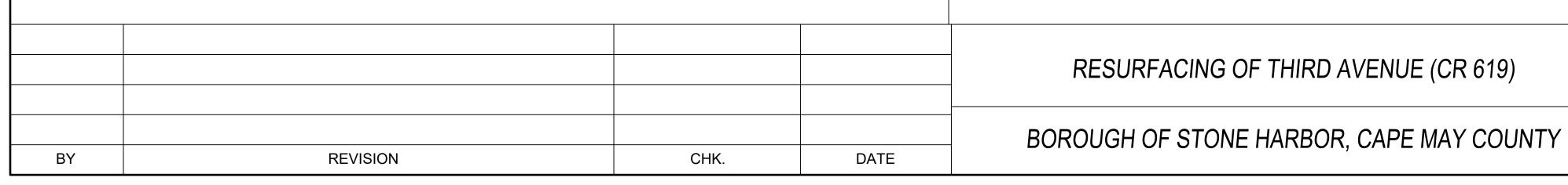


NOTE:

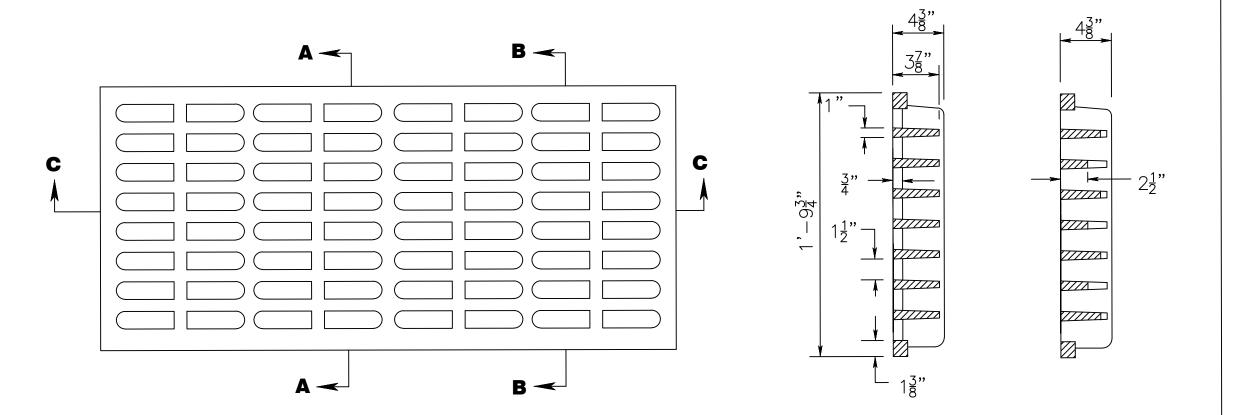
SEE GENERAL NOTE 9, CD-602-1.6

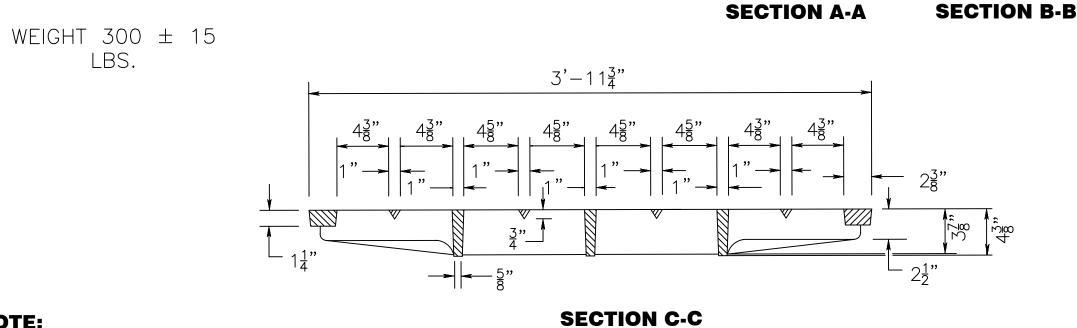
WEIGHT OF FRAME = 630# WEIGHT OF COVER = 400#

MINIMUM WEIGHTS



SQUARE FRAMED MANHOLE CASTING, CIRCULAR COVER





NOTE:

SEE GENERAL NOTE 9, CD-602-1.6

RESURFACING OF THIRD AVENUE (CR 619)

BICYCLE SAFE GRATE (CAST IRON)

CD-602-1.8

CONSTRUCTION

DETAILS

CD-1

GENERAL NOTES:

- 1. INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK, OR PRECAST CONCRETE. WALLS TO BE 8 INCHES THICK IF BRICK AND 6 INCHES THICK IF CONCRETE, CONCRETE BLOCK, OR PRECAST CONCRETE. INLET FOUNDATIONS AND INVERTS TO BE CLASS B CONCRETE.
- 2. CORBELLING OF INLET WALLS WILL BE PERMITTED AT THE RATE OF INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORBEL 6 INCHES PER WALL.
- 3. EXCEPT FOR INLETS TYPE A AND C, FOUNDATIONS AND INVERTS TO BE CONSTRUCTED IN TWO STAGES, AND THE BOTTOM OF THE FOOTINGS TO BE 8 INCHES BELOW THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.
- 4. WHEN THE DEPTH OF AN INLET THAT IS NOT PRECAST EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, WALLS BELOW A DEPTH OF 8 FEET TO BE 12 INCHES THICK AND THE DEPTH OF FOUNDATION INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION NOT TO BE INCREASED.
- 5. PLACE INLET FOUNDATIONS WHICH ARE PRECAST ON A 6 INCH THICK BED OF COMPACTED COARSE AGGREGATE #57. EXTEND THE COARSE AGGREGATE 6 INCHES BEYOND THE HORIZONTAL LIMITS OF THE INLET FOUNDATION.
- 6. ADJUST CASTINGS FOR PRECAST INLETS TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES MAXIMUM
- 7. WHEN THE DEPTH OF A PRECAST INLET EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, THE FOUNDATION IS TO BE INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION IS NOT TO BE INCREASED.
- 8. MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2, AND B MODIFIED:

DEPTH BELOW	HORIZONTAL	VERTICAL	WALL
TOP OF GRATE	REINF.	REINF.	THK.
0' TO 10'-0"	#13 @ 10" C.C	. #13 @ 18" C.C.	6"
10'-1" TO 15'-0"	"#13 @ 8" C.C.	#13 @ 18" C.C.	6"
15'-1" TO 20'-0"		#13 @ 18" C.C.	6"
REINFORCING SHOWN	N FOR PRECAST	INLETS IS THE MINII	MUM
REQUIRED. ADDITION	AL REINFORCING	FOR HANDLING IS 7	ГНЕ
RESPONSIBILITY OF	THE CONTRACTOR) \•	
AL	TERNATE REINFOF	RCEMENT	

DEPTH BELOW TOP OF GRATE

WWF 3 \times 6 W6 WIRES SPACED AT 3" 0' TO 10'-0" TO RUN HORIZONTAL IN ALL CASES. 10'-1" TO 15'-0" WWF 3 \times 6 W6 ADD #10 REINFORCEMENT STEEL @ 18" HORIZONTAL. 15'1" TO 20'0"

WWF 3 \times 6 W6 ADD #10 REINFORCEMENT STEEL @ 9" HORIZONTAL OR ADD #13 REINFORCEMENT STEEL AT 15" HORIZONTAL.

9. DIMENSIONS, WEIGHTS, AND OTHER CRITERIA SHOWN ON THESE DETAILS ARE FOR CLASS 35B CAST IRON.

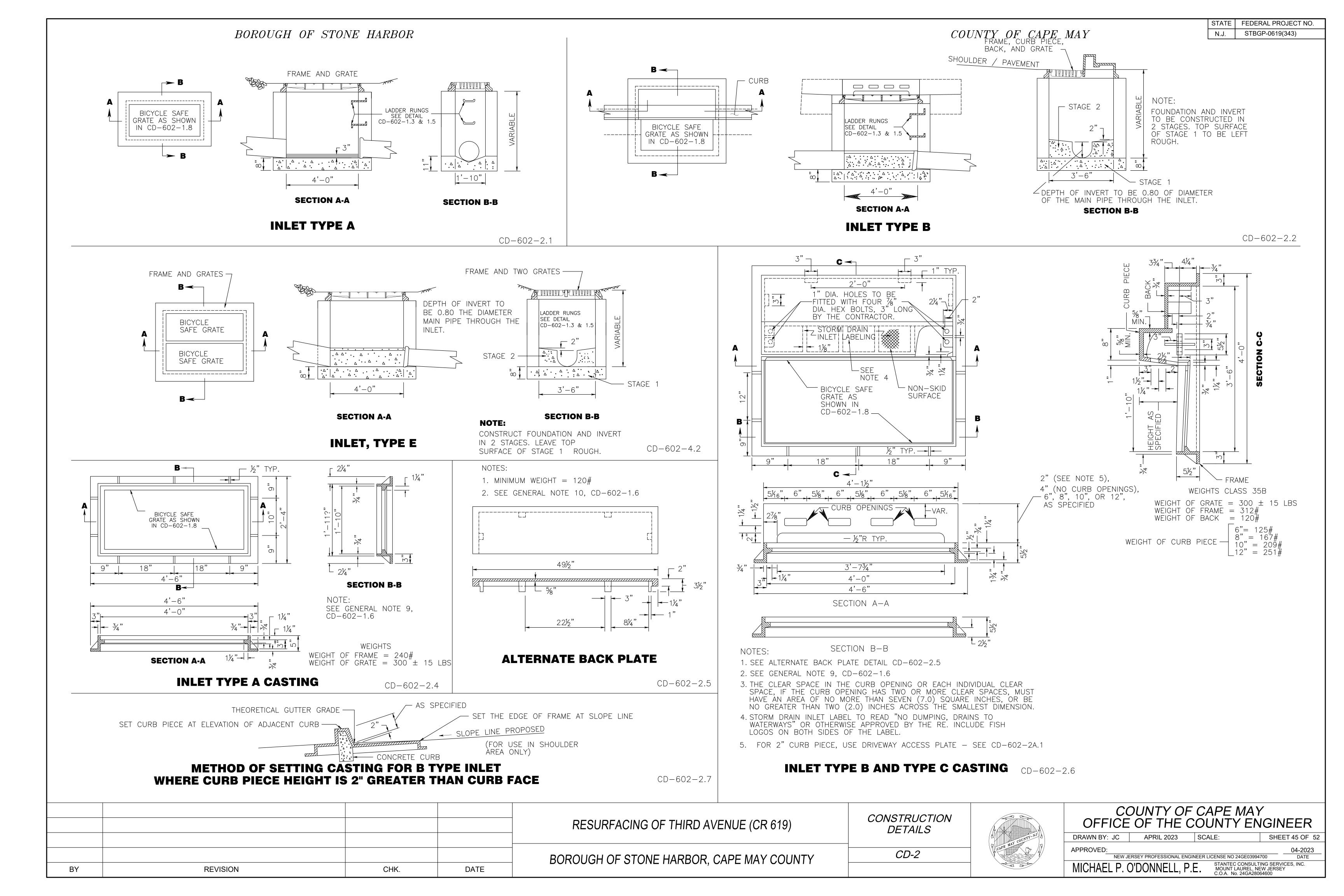
CD-602-1.6

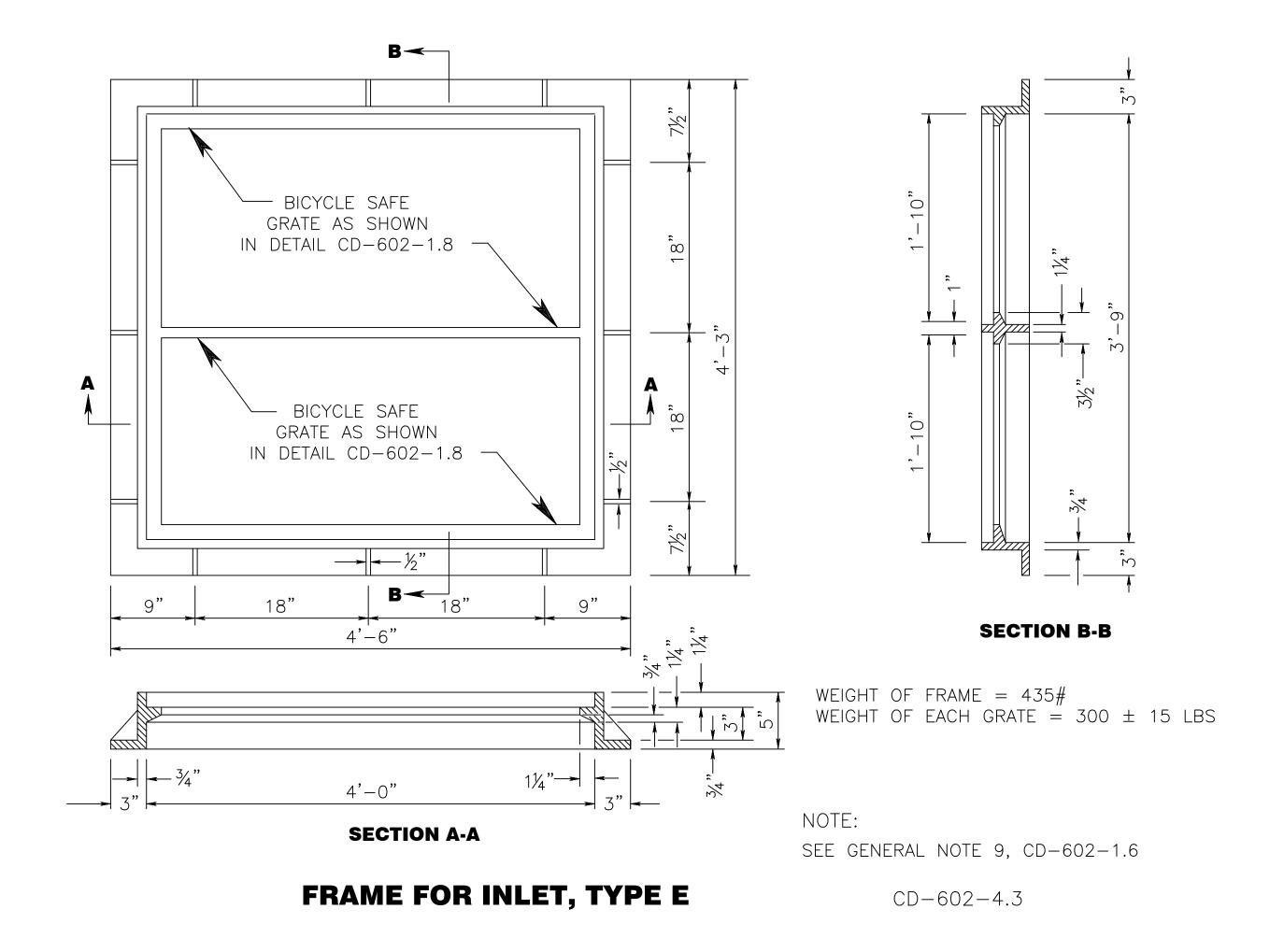
NOTE:

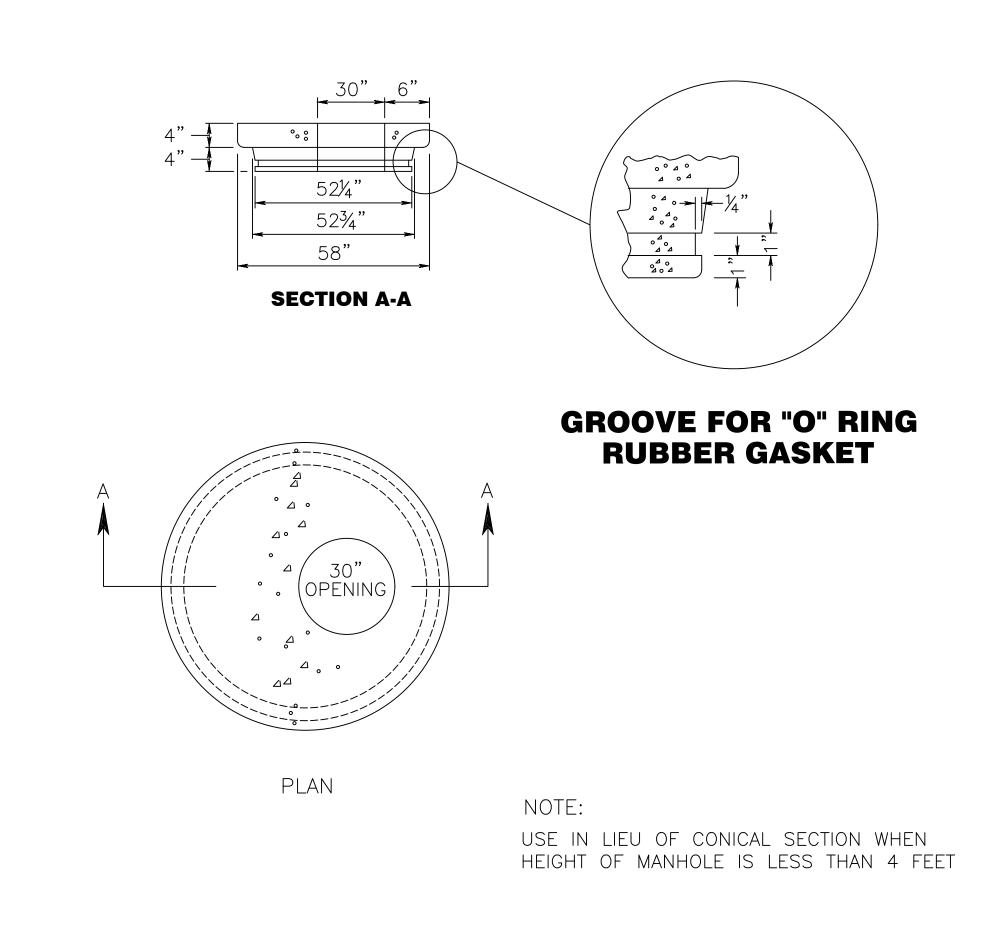
REINFORCEMENT STEEL IS IN METRIC UNITS.

COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

APRIL 2023 SHEET 44 OF 52 DRAWN BY: JC NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700







48" PRECAST REINFORCED CONCRETE MANHOLE FLAT TOP

CD-602-9.2

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION DETAILS
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	CD-3



COUNTY OF CAPE MAY	
OFFICE OF THE COUNTY ENGINEER	?

STATE FEDERAL PROJECT NO.

STBGP-0619(343)

DRAWN BY: JC	APRIL 2023	SCALE:	SHEE	ET 46 OF 52
		1		
APPROVED:				04-2023
NEW JE	ERSEY PROFESSIONAL ENGI	NEER LICENSE NO 24GE03994	700	DATE
MICHAEL P. (D'DONNELL, P.	STANTEC CONSULT MOUNT LAUREL, NE C.O.A. No. 24GA280	EW JERSE	

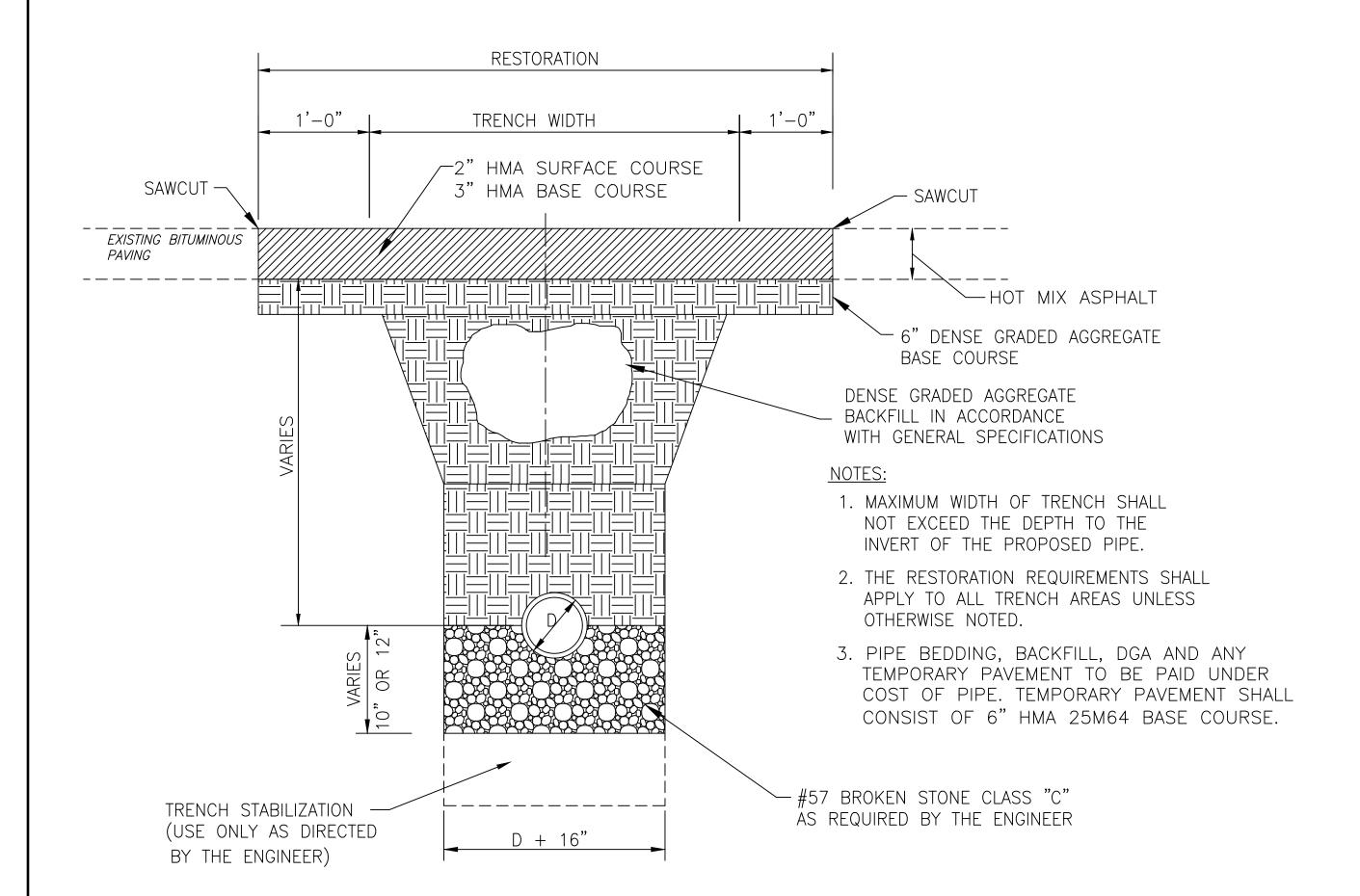
NOTES: SECTION B-B SECTION A-A

1. FOUNDATION AND INVERT TO BE CONSTRUCTED IN 2 STAGES. TOP SURFACE OF STAGE 1 TO BE LEFT ROUGH.

2. MANHOLE, SQUARE FRAME, CIRCULAR COVER SHALL BE OF THE SAME CONSTRUCTION AND DIMENSIONS AS INLET TYPE E EXCEPT AS OTHERWISE INDICATED ABOVE.

MANHOLE, SQUARE FRAME, CIRCULAR COVER

N.T.S.

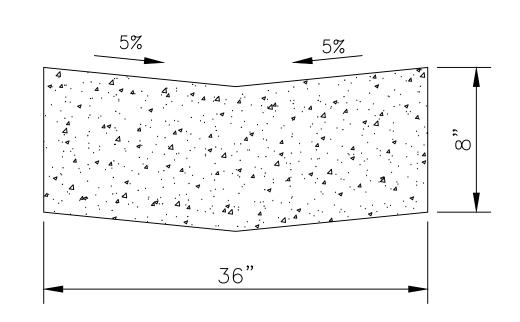


TYPICAL TRENCH DETAIL FOR PIPE

N.T.S.

COUNTY OF CAPE MAY

STATE | FEDERAL PROJECT NO. STBGP-0619(343)



NOTES;

1. THE PROPOSED CONCRETE GUTTER AROUND THE CORNER RADIUS SHALL BE CONSTRUCTED SO AS TO LET THE CROSS STREET DRAINAGE AND THE 3RD AVENUE DRAINAGE HAVE SMOOTH ACCESS INTO THE PROPOSED ROCKER GUTTER

CONCRETE ROCKER GUTTER

N.T.S.

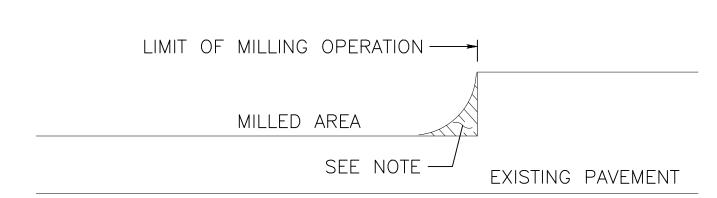
HMA SURFACE COURSE TO BE REMOVED AND THE RADIUS CAUSED BY MILLING SQUARED PRIOR TO FINAL PAVING. 50H:1V EDGE DEVELOPED BY - MILLING OPERATION 50H:1V EDGE DEVELOPED BY -MILLING OPERATION TRAFFIC TRAFFIC A (SEE NOTE 1) — \vdash C (SEE NOTE 3) D (SEE NOTE 4) - HMA SURFACE COURSE

NOTES:

- 1. USE HMA SURFACE COURSE IN THE MILLING TRANSITION WHEN LEADING EDGE DEVELOPED BY MILLING OPERATION IS EQUAL TO OR GREATER THAN 1 INCH. NONE REQUIRED FOR EDGE LESS THAN 1 INCH.
- 2. ENSURE THAT THE THICKNESS OF THE HMA SURFACE COURSE IN THE MILLING TRANSITION IS NOT LESS THAN B. B IS EQUAL TO 2 INCHES OR A, WHICHEVER IS LESS.
- 3. USE HMA SURFACE COURSE IN THE MILLING TRANSITION WHEN TRAILING EDGE DEVELOPED BY MILLING OPERATION IS EQUAL TO OR GREATER THAN 1 INCHES. NONE REQUIRED FOR EDGE LESS THAN 1 INCHES.
- 4. ENSURE THAT THE THICKNESS OF THE HMA SURFACE COURSE IN THE MILLING TRANSITION IS NOT LESS THAN D. D IS EQUAL TO 2 INCHES OR C, WHICHEVER IS LESS.
- 5. ONE HALF OF ROADWAY IS TO BE MILLED, THEN 3" BASE COURSE TO BE CONSTRUCTED. THE EXISTING PAVEMENT AT THE CENTERLINE IS TO BE MILLED FLUSH WITH THE BASE COURSE AT THE END OF WORKDAY.

MILLING TRANSITIONS

CD-401-1.1

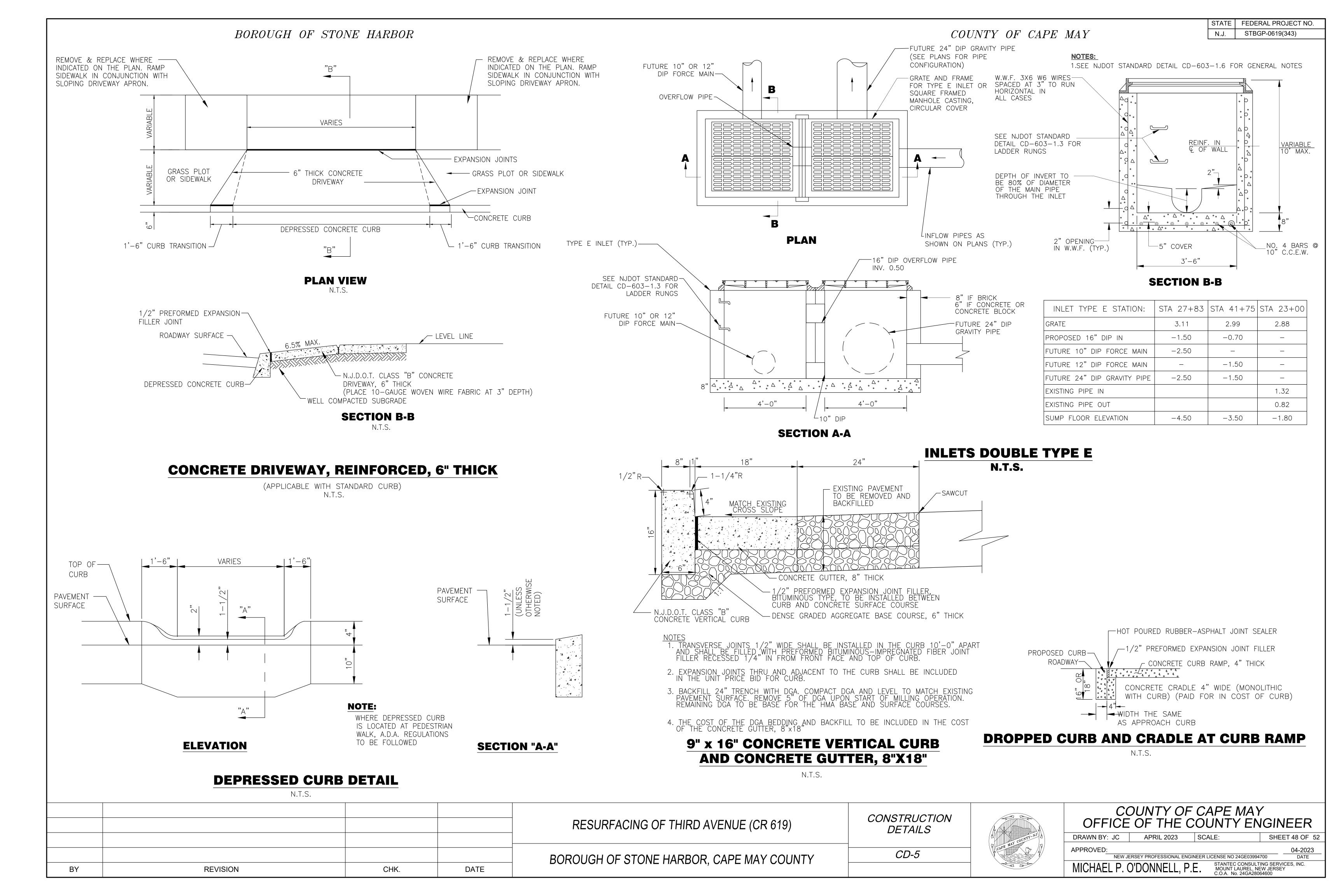


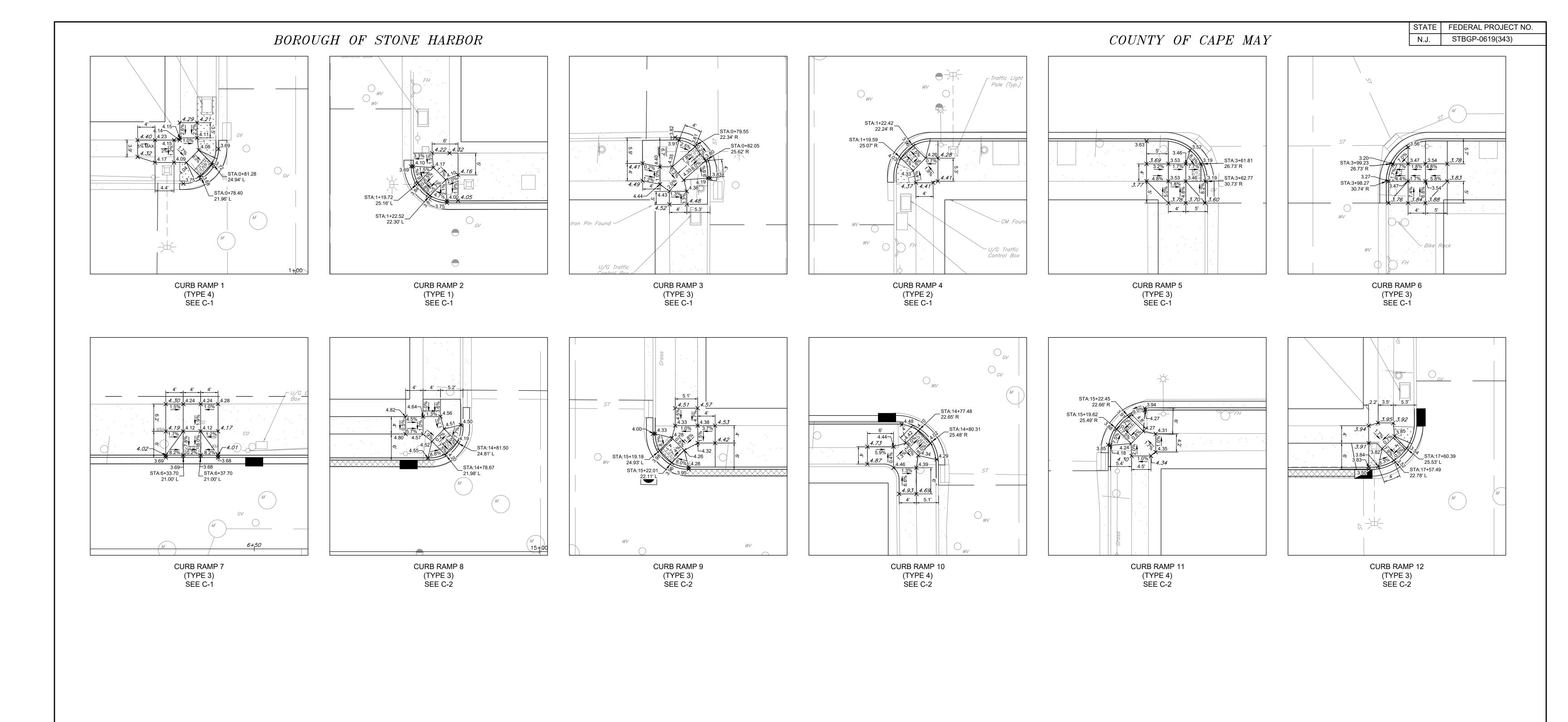
NOTE:

REMOVE THE HMA MATERIAL LEFT BY THE DRUM RADIUS AT THE LIMITS OF THE MILLING OPERATION. ENSURE THAT THE FACE IS CLEAN AND VERTICAL BY SAWCUTTING OR TRANSVERSE MILLING. THIS END TREATMENT IS NOT APPLICABLE TO TEMPORARY LIMITS OF MILLING (i.e. END OF WORKDAY). IT IS APPLICABLE TO ALL AREAS WHERE THE COMPLETED MILLING OPERATION MATCHES ANY EXISTING PAVEMENT INCLUDING BRIDGES.

END TREATMENT FOR MILLING OPERATIONS CD-401-1.2

		RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION DETAILS	A DINTY-NJ		OF CAPE MAY E COUNTY ENGINEER SCALE: SHEET 47 OF 52
BY REVISION CHK	 DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	CD-4	CAPE MAY COO	APPROVED: NEW JERSEY PROFESSIONAL MICHAEL P. O'DONNELL	





BY	REVISION	CHK.	DATE	

RESURFACING OF THIRD AVENUE (CR 619)

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

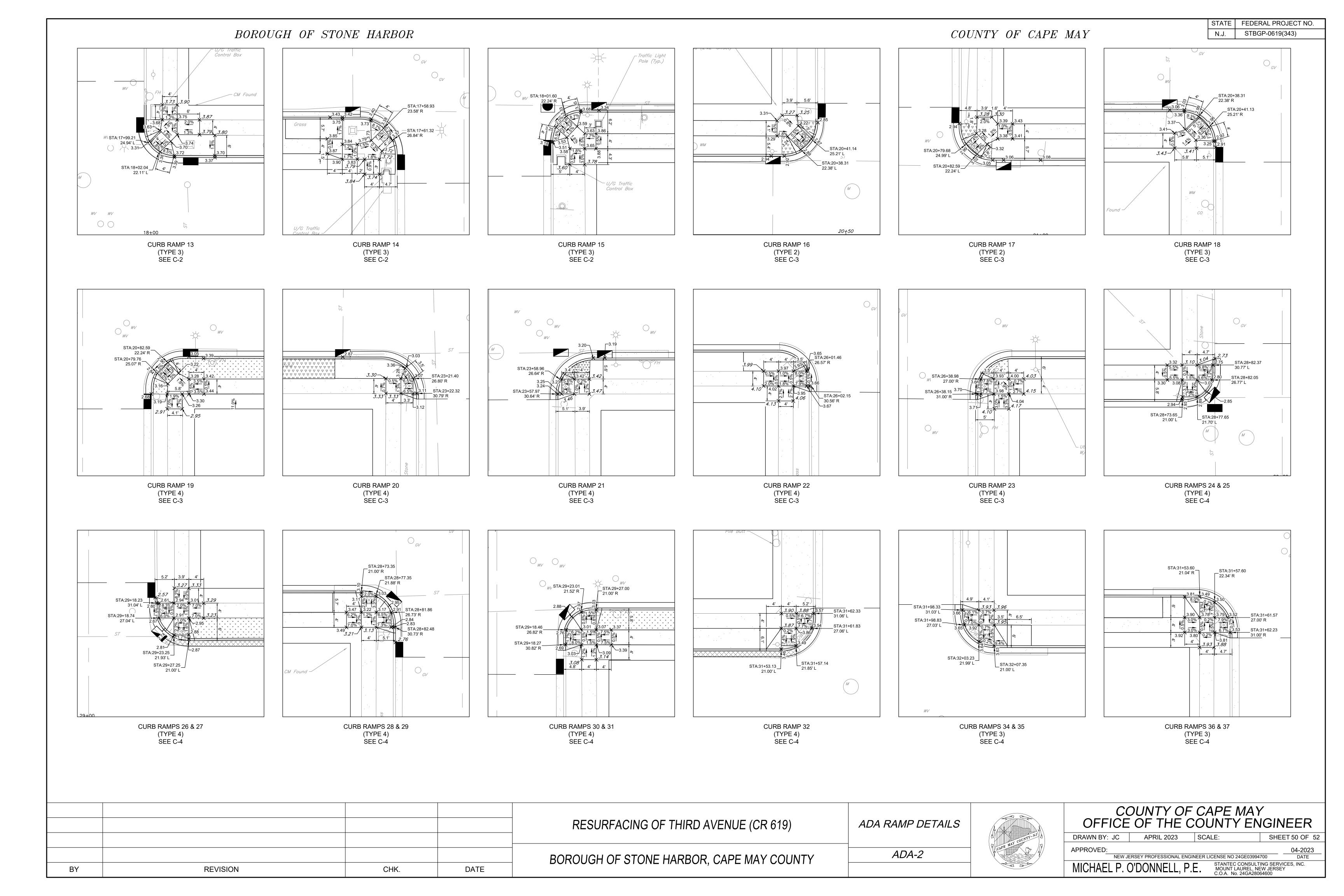
ADA RAMP DETAILS

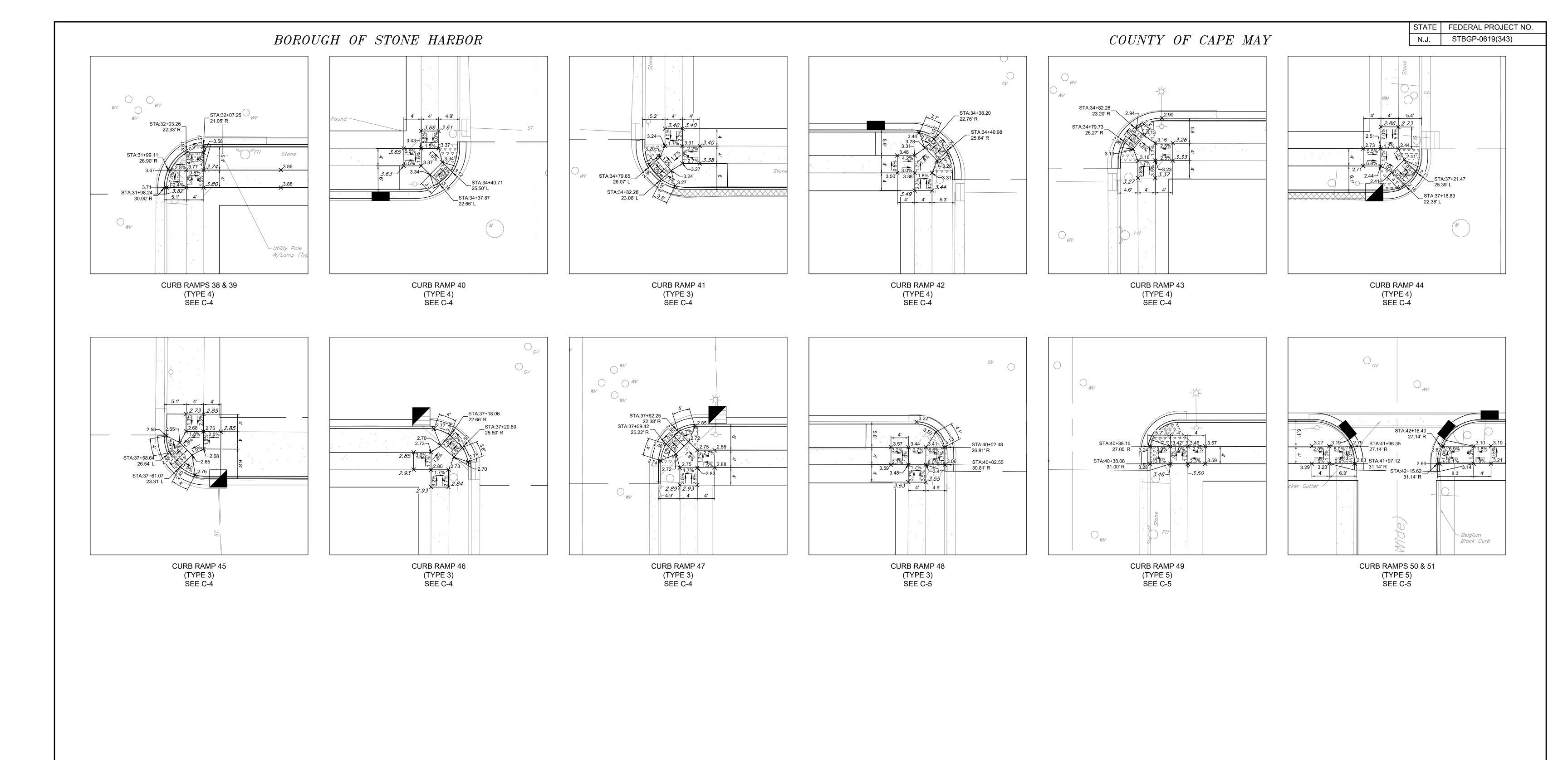
ADA-1



COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER

DRAWN BY: J	JC	APRIL 2023	SCALE:	SHE	ET 49 OF 5	52
APPROVED:					04-2023	
	NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE					
MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600				/ICES, INC. EY		





BY	REVISION	CHK.	DATE	

RESURFACING OF THIRD AVENUE (CR 619)

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

ADA RAMP DETAILS

ADA-3



COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
OFFICE OF THE COUNTY ENGINEER

DRAWN BY: J	С	APRIL 2023	SCALE:	SHE	ET 51 OF 52
APPROVED:					04-2023
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700					DATE
MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600					

