

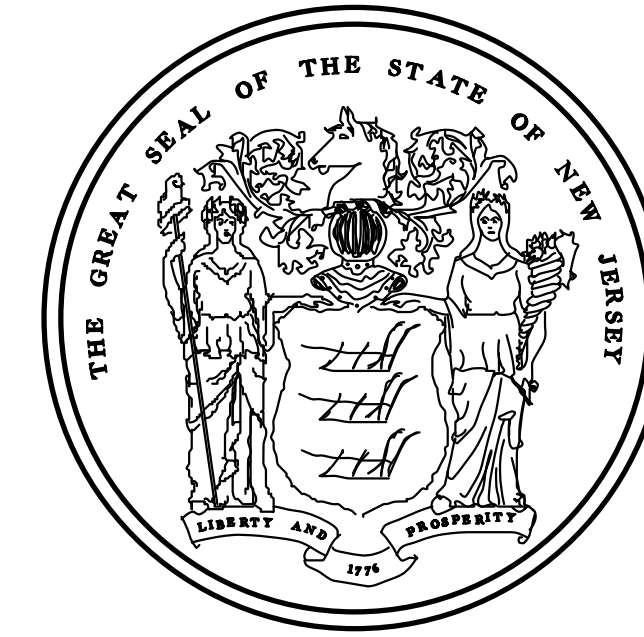
County of Cape May Department of Public Works

PLANS OF

3RD AVENUE (C.R. 619) FROM 99TH STREET TO 80TH STREET RESURFACING IMPROVEMENTS

FEDERAL PROJECT NO. STBGP-0619(343)

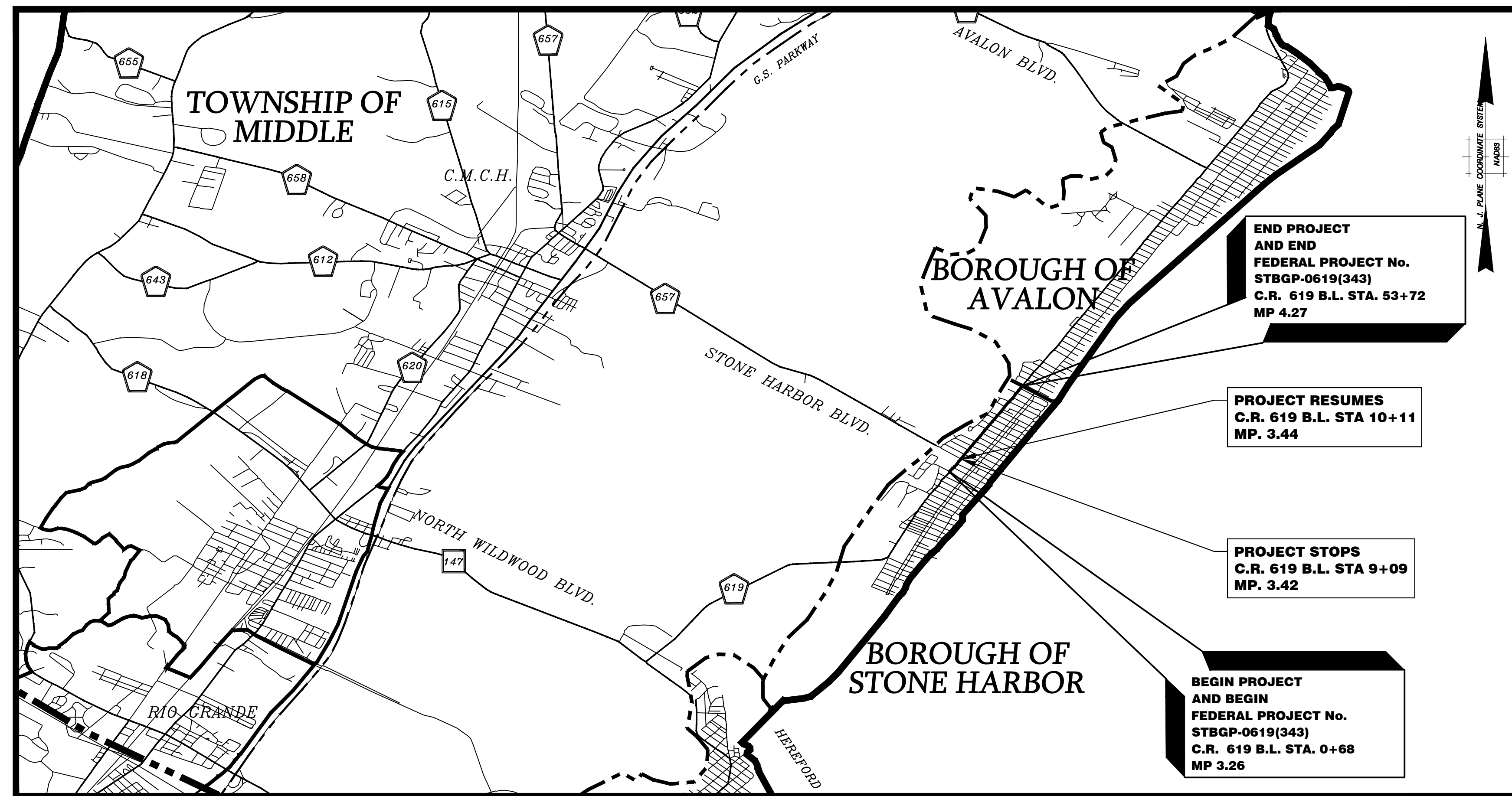
NJDOT JOB NO. 5910302



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



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 DATE

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

DATE

"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"

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

MICHAEL P. O'DONNELL
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03994700

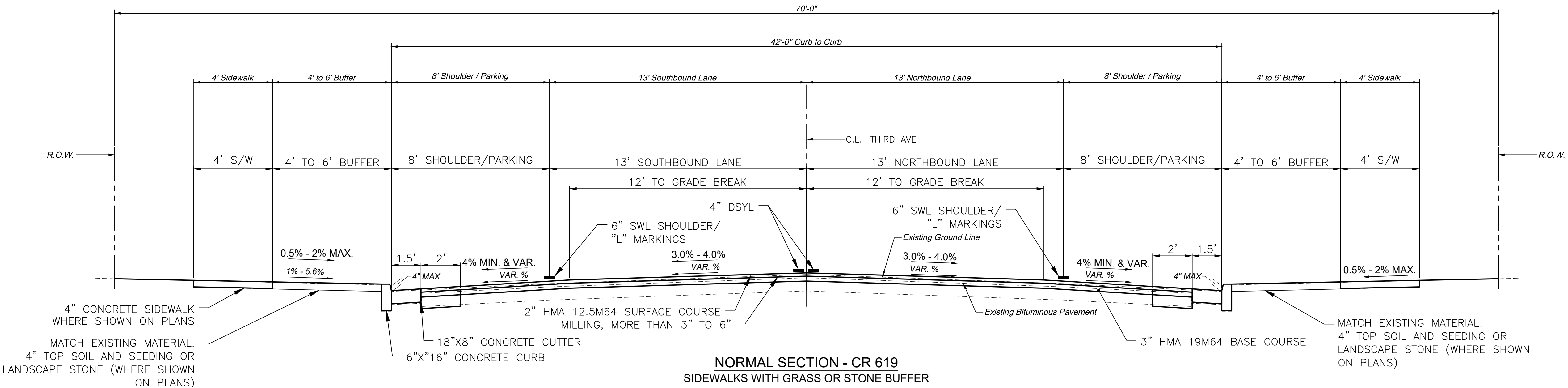
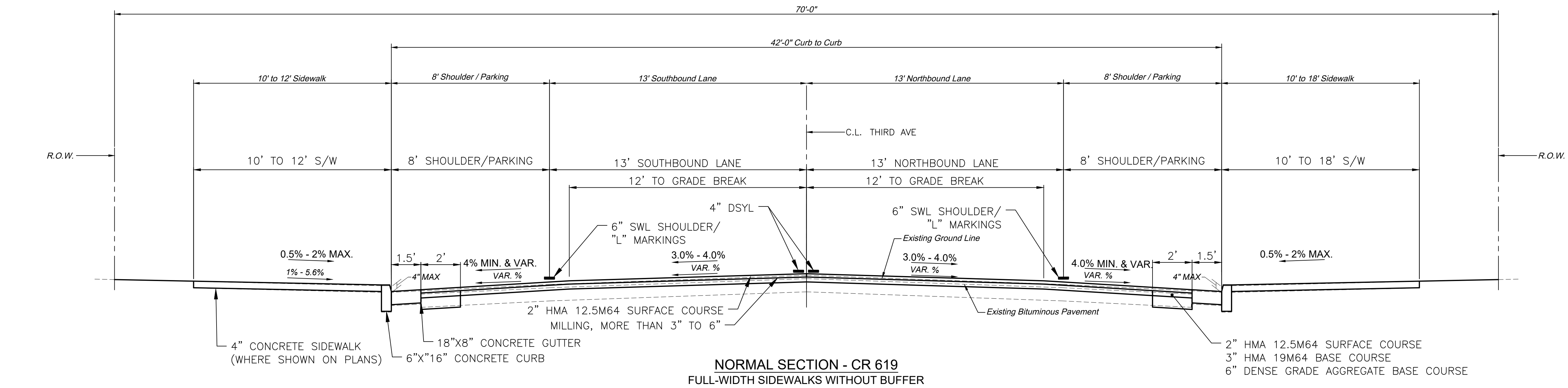
KEY MAP NOT TO SCALE

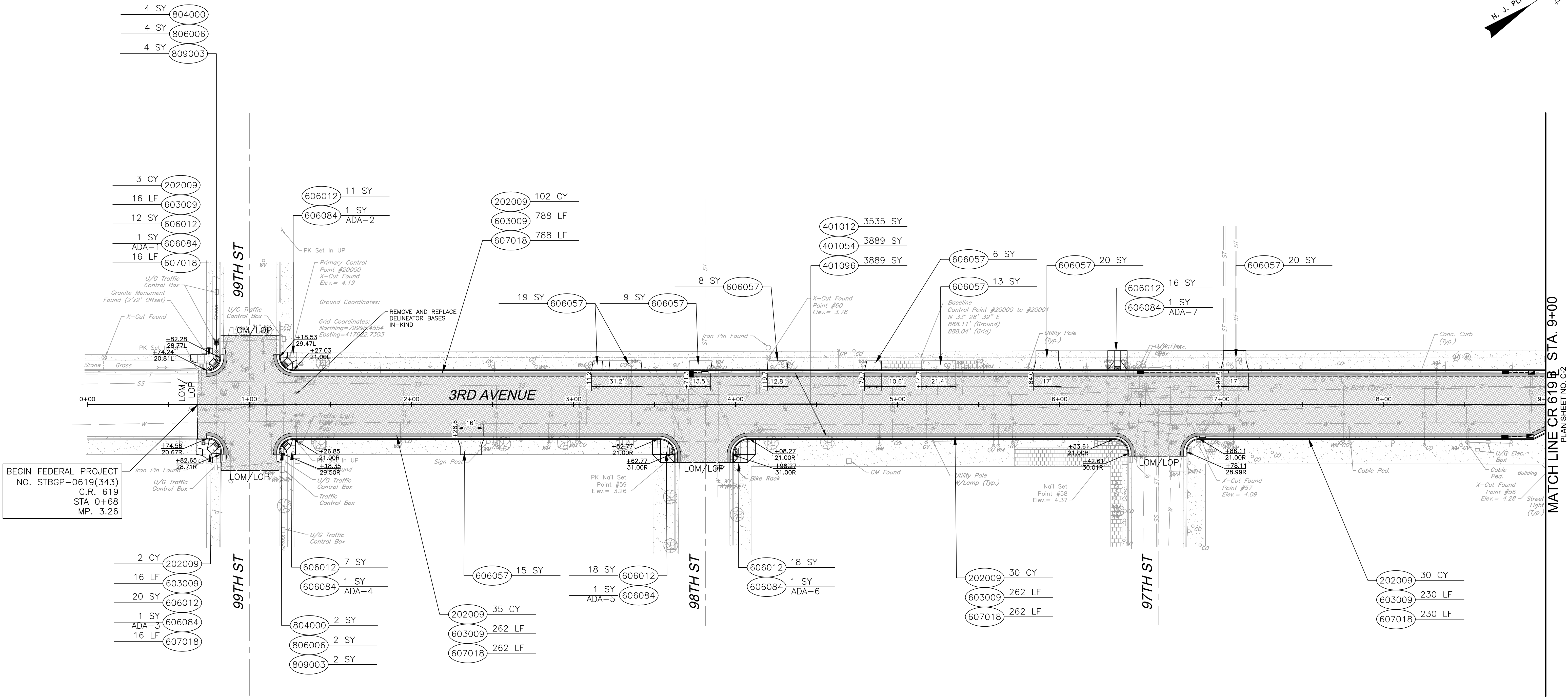
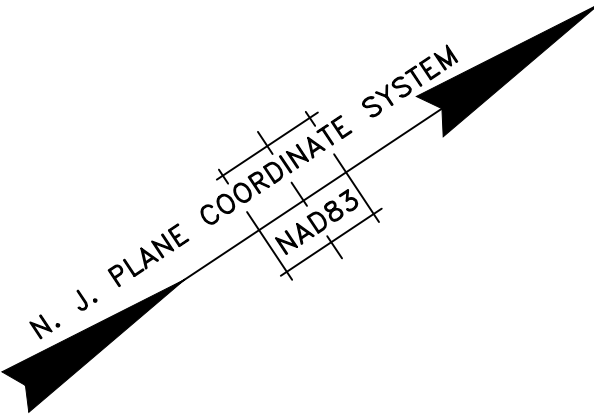
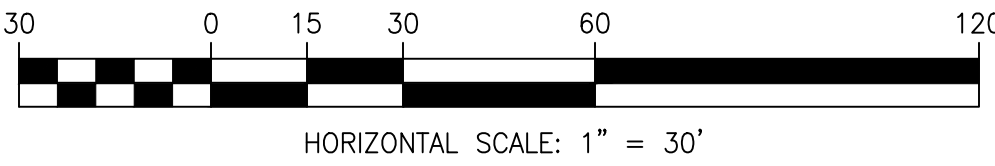
TOTAL LENGTH OF PROJECT = 5,304 FEET OR 1.01 MILES

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

[illegible]



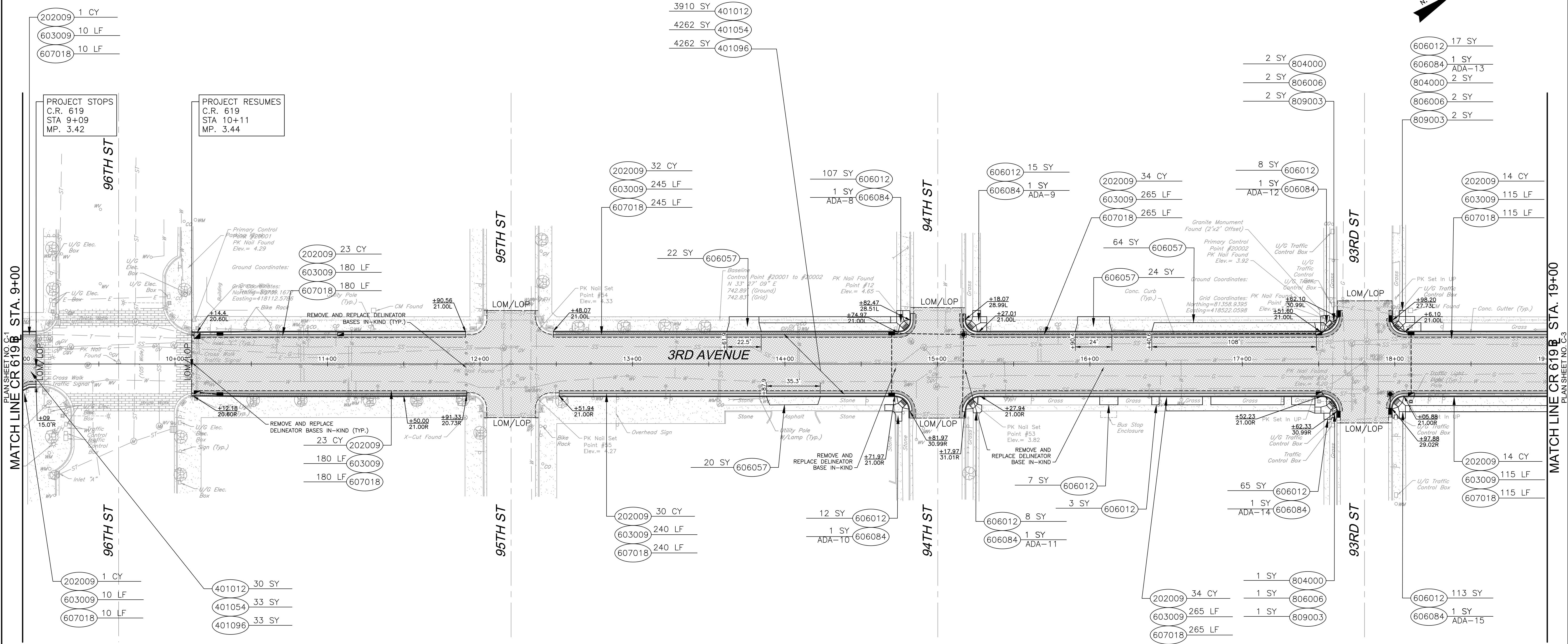
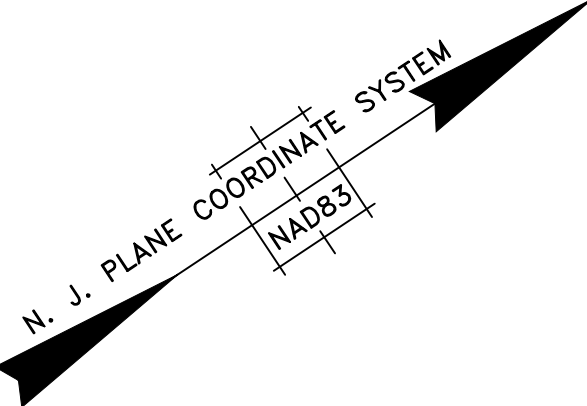
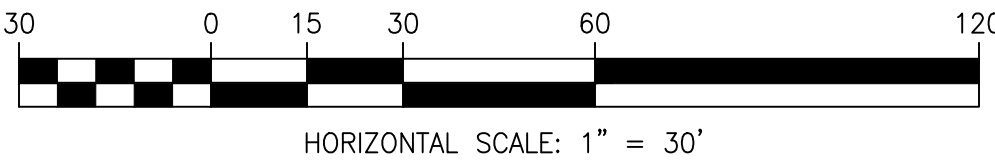


- NOTES:
1. ALL EXISTING STREETSCAPING ITEMS, INCLUDING BUT NOT LIMITED TO PLANTERS, BENCHES, AND SIGNS, THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED AND REINSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE."

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	207
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	3535
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	3889
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	3889
603009P	41	CONCRETE GUTTER, 8"X18"	LF	1574
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	102
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	110
606084P	46	DETECTABLE WARNING SURFACE	SY	7
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1574
804000P	76	TOPSOIL SPREADING, 4" THICK	SY	6
806006P	78	FERTILIZING AND SEEDING, TYPE A-3	SY	6
809003M	80	STRAW MULCHING	SY	6

STATION 0+00 TO 9+00

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER	
							DRAWN BY: JC	APRIL 2023
							SCALE: 1"=30'	SHEET 6 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	C-1		APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700	
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL, P.E.	



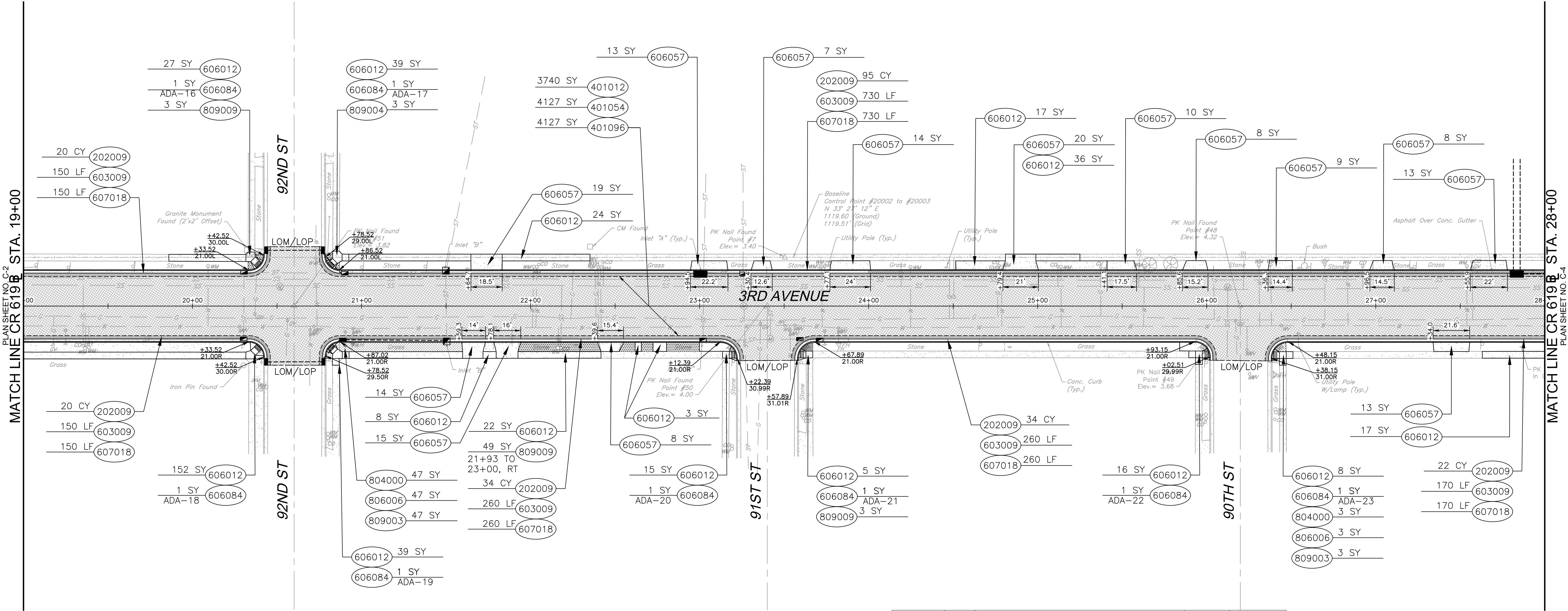
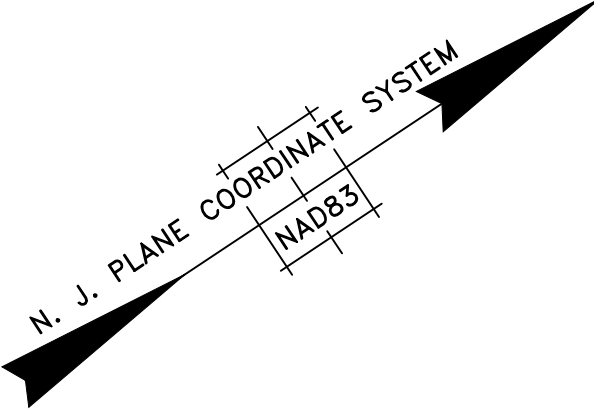
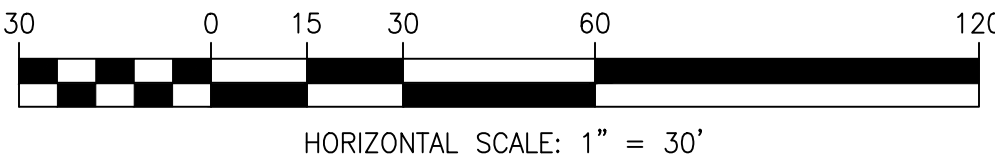
NOTES:

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."

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	268
203021P	22	I-14 SOIL AGGREGATE	CY	189
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	3940
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	4295
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	4295
603009P	41	CONCRETE GUTTER, 8"X18"	LF	1625
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	355
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	130
606084P	46	DETECTABLE WARNING SURFACE	SY	14
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1625
804000P	76	TOPSOIL SPREADING, 4" THICK	SY	5
806006P	78	FERTILIZING AND SEEDING, TYPE A-3	SY	5
809003M	80	STRAW MULCHING	SY	5

STATION 9+00 TO 19+00

				RESURFACING OF THIRD AVENUE (CR 619)		CONSTRUCTION PLAN			COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
									DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 7 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY		C-2			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. 24GA2864600			




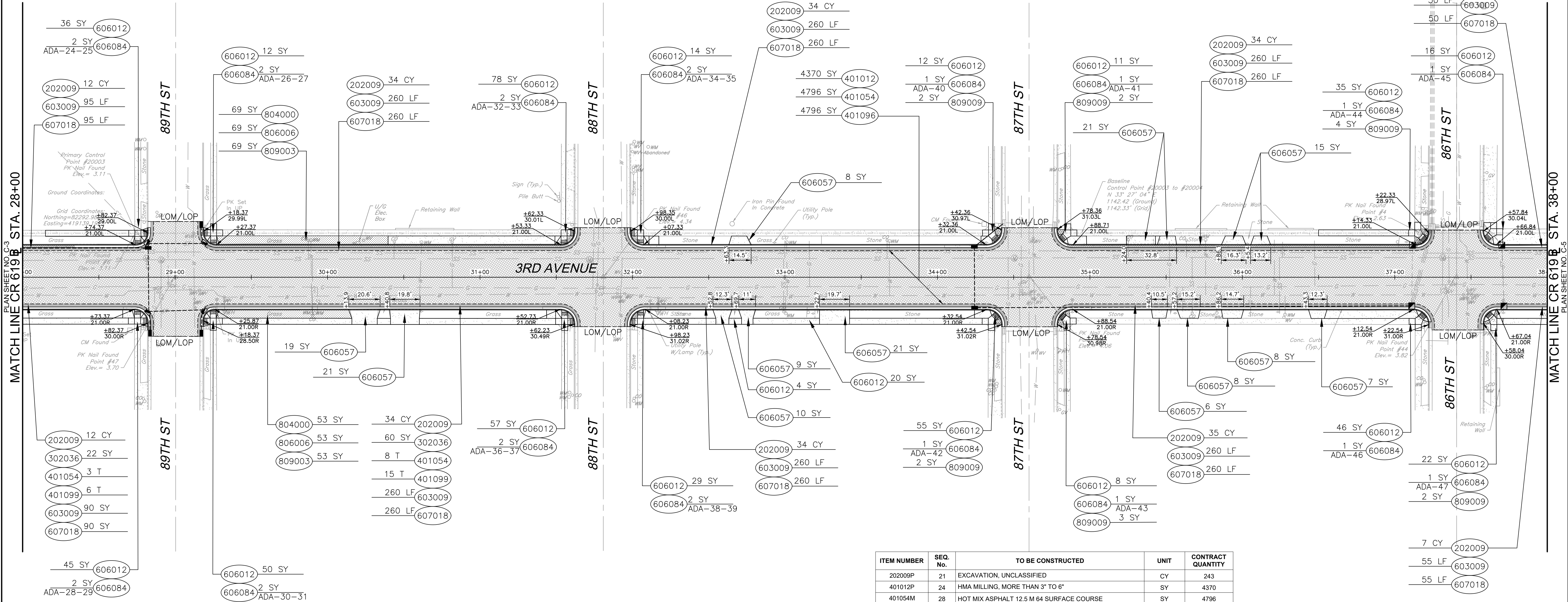
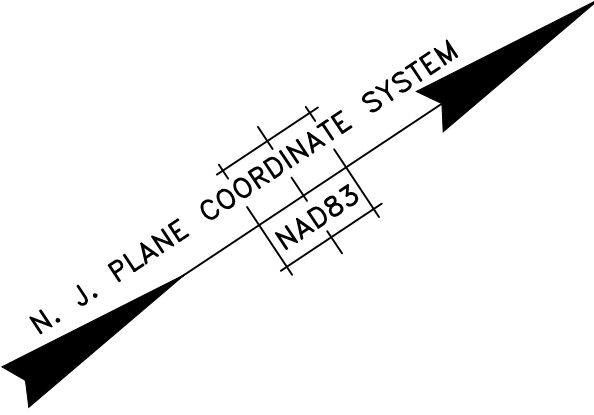
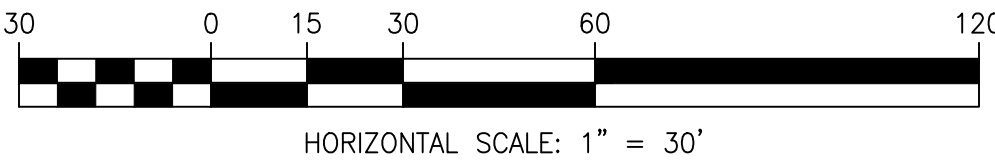
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	225
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	3740
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	4127
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	4127
603009P	41	CONCRETE GUTTER, 8"X18"	LF	1720
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	431
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	171
606084P	46	DETECTABLE WARNING SURFACE	SY	8
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1720
804000P	76	TOPSOIL SPREADING, 4" THICK	SY	50
806006P	78	FERTILIZING AND SEEDING, TYPE A-3	SY	50
809003M	80	STRAW MULCHING	SY	50
809009M	81	STONE MULCHING	SY	58

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



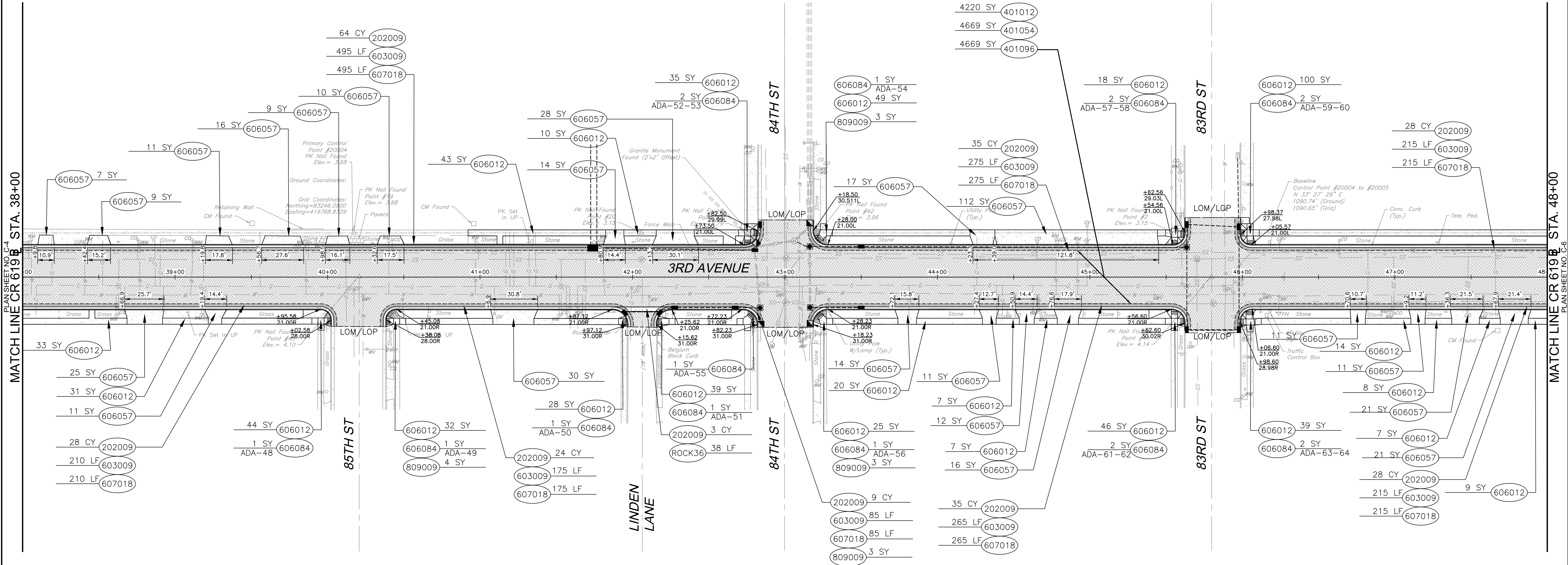
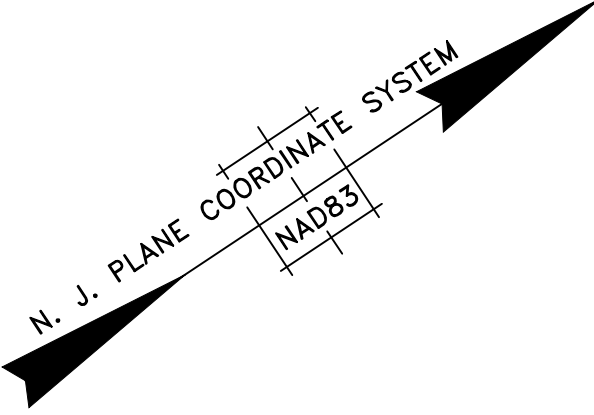
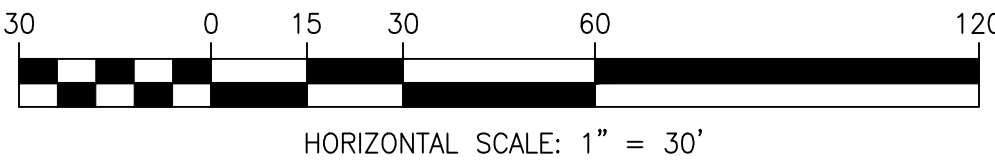
NOTES:

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."

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	243
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	4370
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	4796
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	4796
603009P	41	CONCRETE GUTTER, 8"x18"	LF	1850
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	550
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	154
606084P	46	DETECTABLE WARNING SURFACE	SY	28
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1850
804000P	76	TOPSOIL SPREADING, 4" THICK	SY	122
806006P	78	FERTILIZING AND SEEDING, TYPE A-3	SY	122
809003M	80	STRAW MULCHING	SY	122
809009M	81	STONE MULCHING	SY	15

STATION 28+00 TO 38+00

				RESURFACING OF THIRD AVENUE (CR 619)		CONSTRUCTION PLAN			COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER	
									DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 9 OF 52	
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY		C-4			APPROVED: _____ DATE 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24CA2864600	
BY	REVISION	CHK.	DATE							




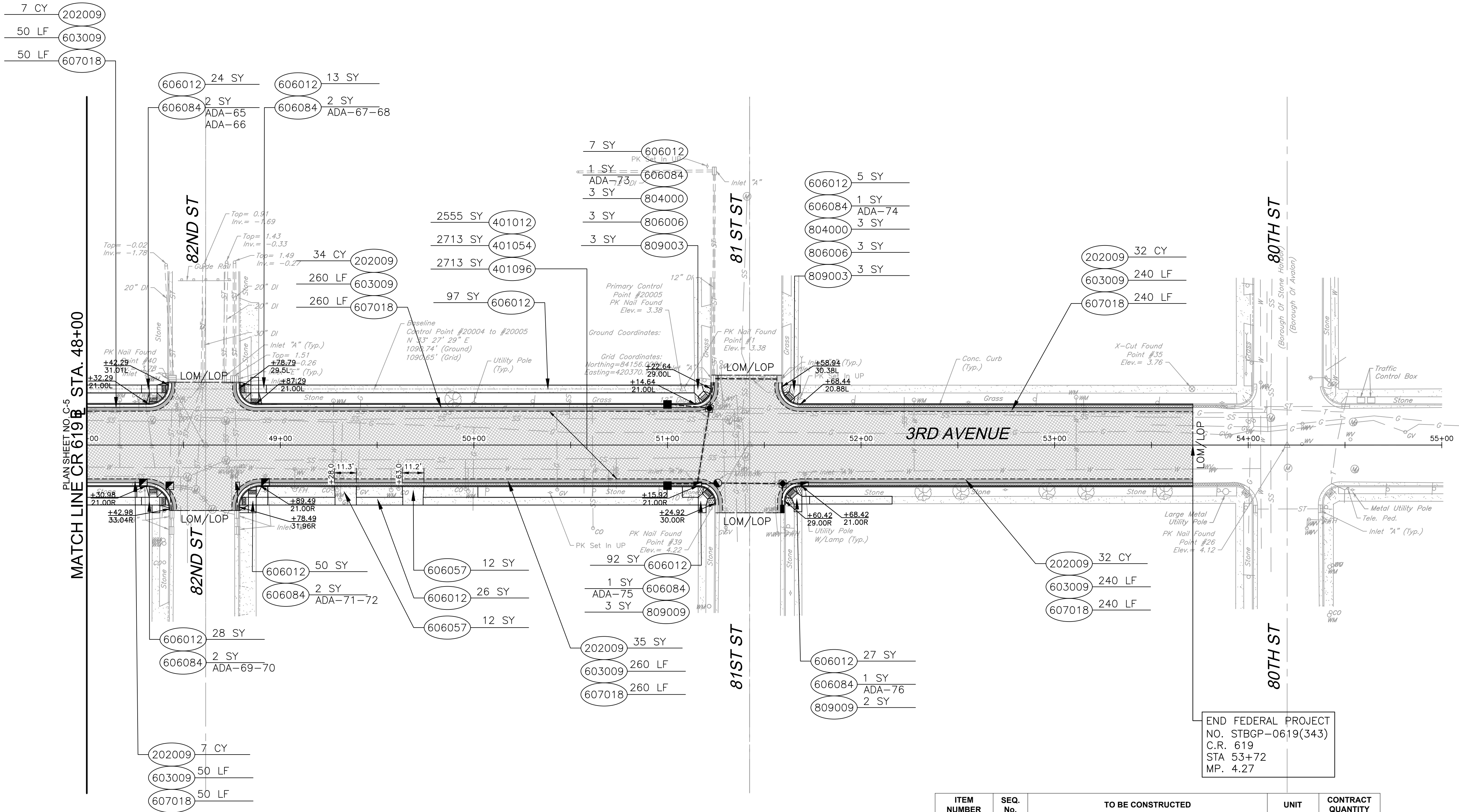
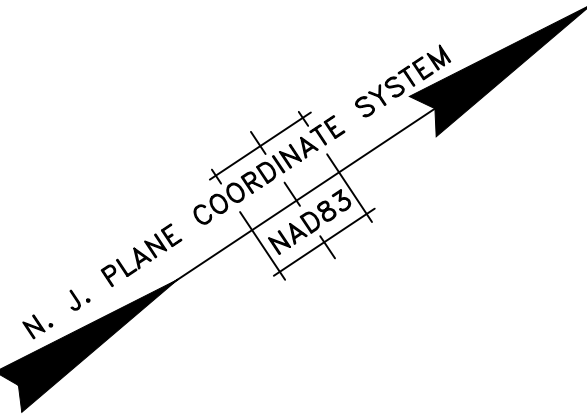
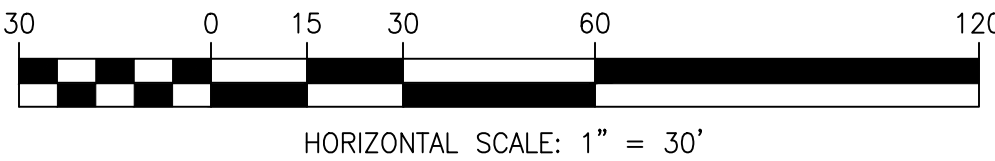
NOTES:

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ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	254
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	4240
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	4669
401096M	29	HOT MIX ASPHALT 19 M 64 BASE COURSE	SY	4669
603009P	41	CONCRETE GUTTER, 8"X18"	LF	1935
ROCK36	42	ROCKER GUTTER, 8"X36"	LF	38
606012P	43	CONCRETE SIDEWALK, 4" THICK	SY	644
606057P	45	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	416
606084P	46	DETECTABLE WARNING SURFACE	SY	22
607018P	47	9" X 16" CONCRETE VERTICAL CURB	LF	1935
809009M	81	STONE MULCHING	SY	13

STATION 38+00 TO 48+00

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 10 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	C-5		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. 24GA2864600					



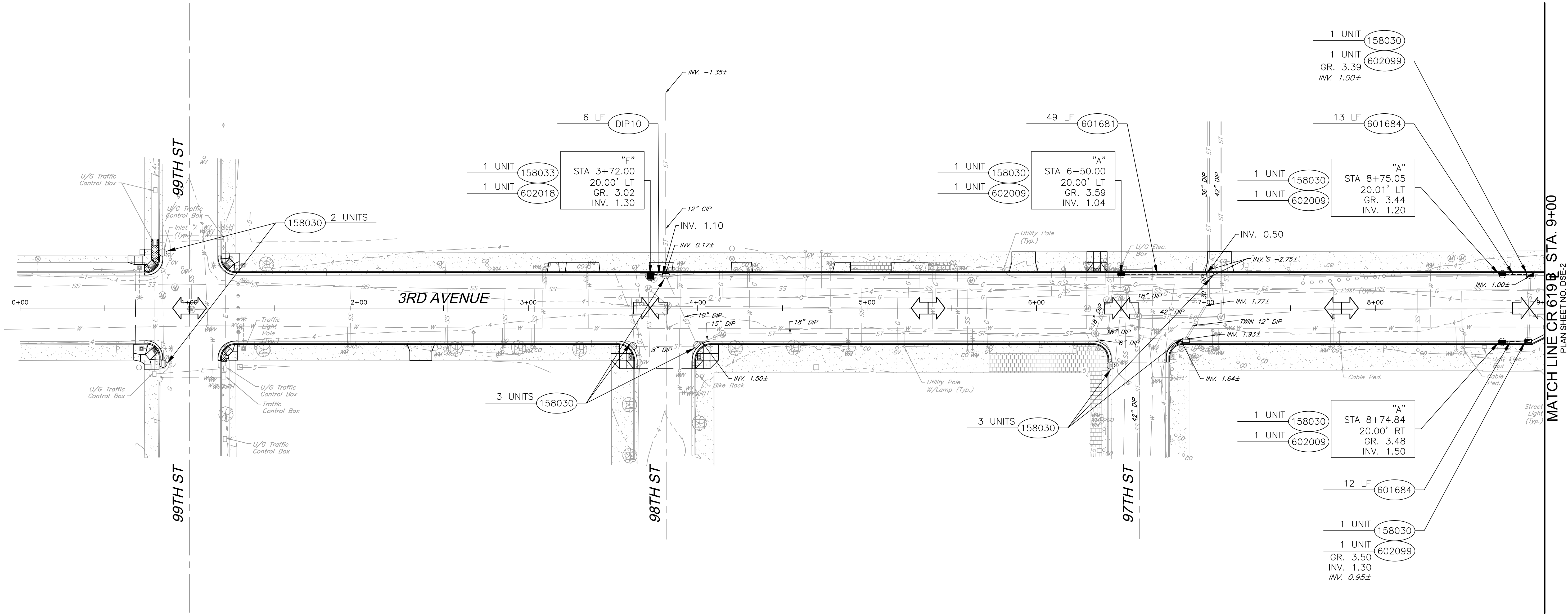
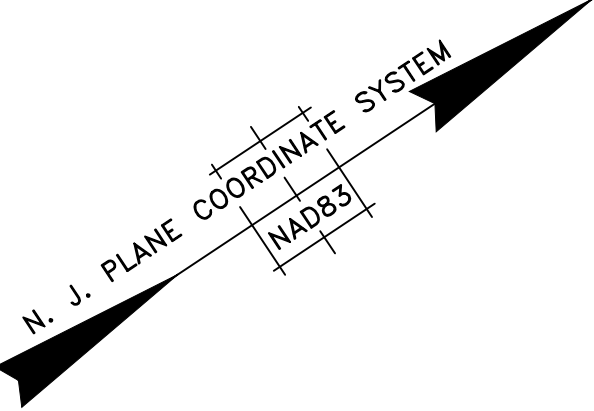
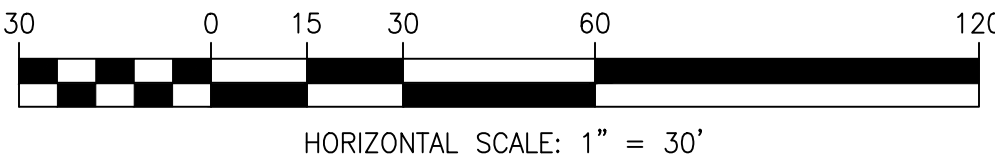
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ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
202009P	21	EXCAVATION, UNCLASSIFIED	CY	146
401012P	24	HMA MILLING, MORE THAN 3" TO 6"	SY	2555
401054M	28	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	SY	2713
401096M	29	HOT MIX ASPHALT 19 M 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

STATION 48+00 TO 55+00

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER		
							DRAWN BY: JC	APRIL 2023	SCALE: 1"=30' SHEET 11 OF 52
							APPROVED: _____ 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE		
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	C-6		MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600		



LEGEND


○ INLET FILTER

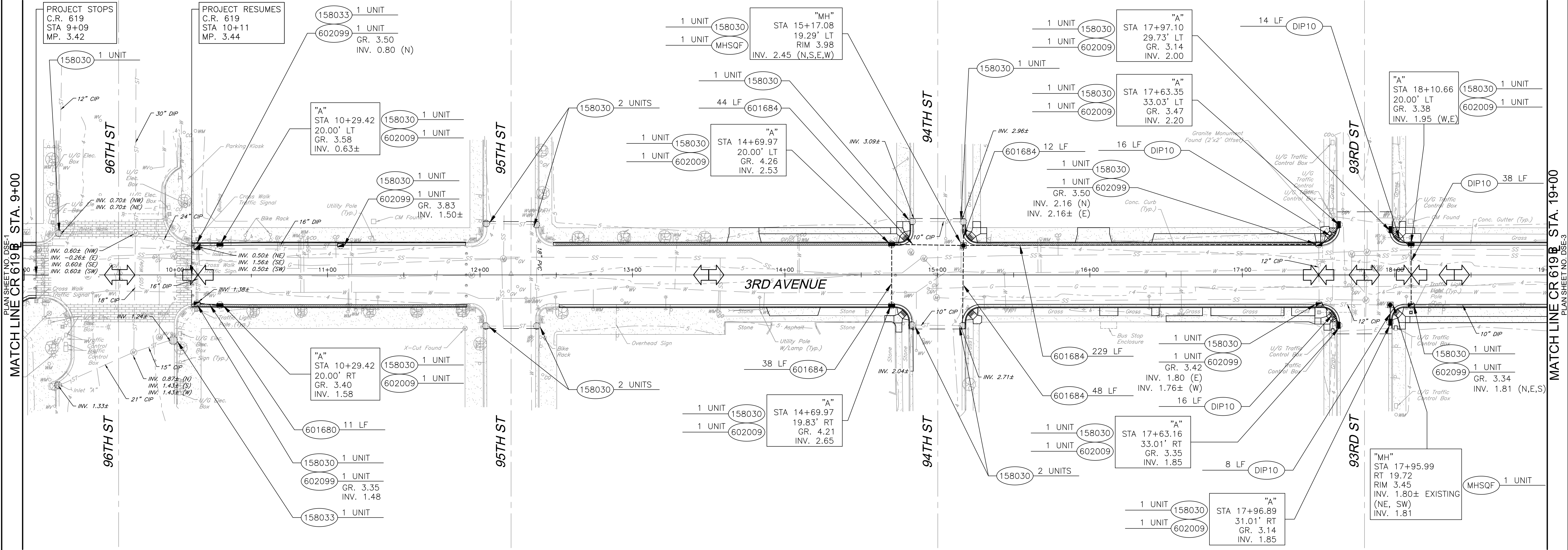
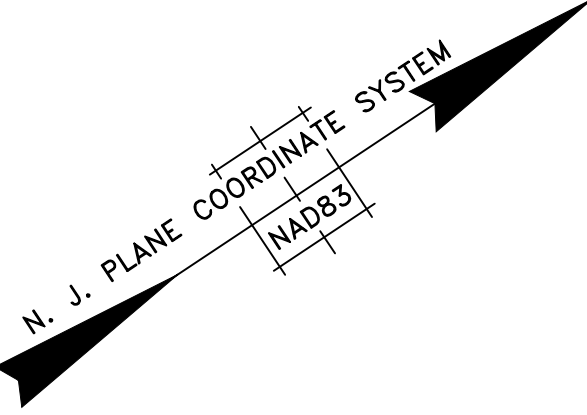
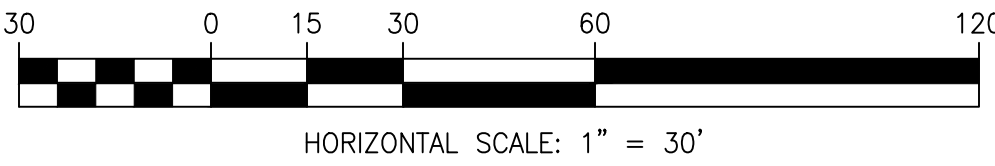
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2, 2' X 4'	UNIT	13
158033M	6	INLET FILTER TYPE 2, 4' X 4'	UNIT	1
DIP10	31	10" DUCTILE IRON PIPE	LF	6
601681M	33	18" DUCTILE IRON PIPE	LF	49
601684M	34	12" DUCTILE IRON PIPE	LF	25
602009M	35	INLET, TYPE A	UNIT	3
602018M	37	INLET, TYPE E	UNIT	1
602099M	39	RESET EXISTING CASTING	UNIT	2

NOTES:

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

STATION 0+00 TO 9+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 12 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	DSE-1		APPROVED: _____		04-2023 DATE	
BY	REVISION	CHK.	DATE				NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700		MICHAEL P. O'DONNELL, P.E.	



PLAN SHEET NO. DSE-1
MATCH LINE CR 619B STA. 9+00

PLAN SHEET NO. DSE-3
MATCH LINE CR 619B STA. 19+00


LEGEND
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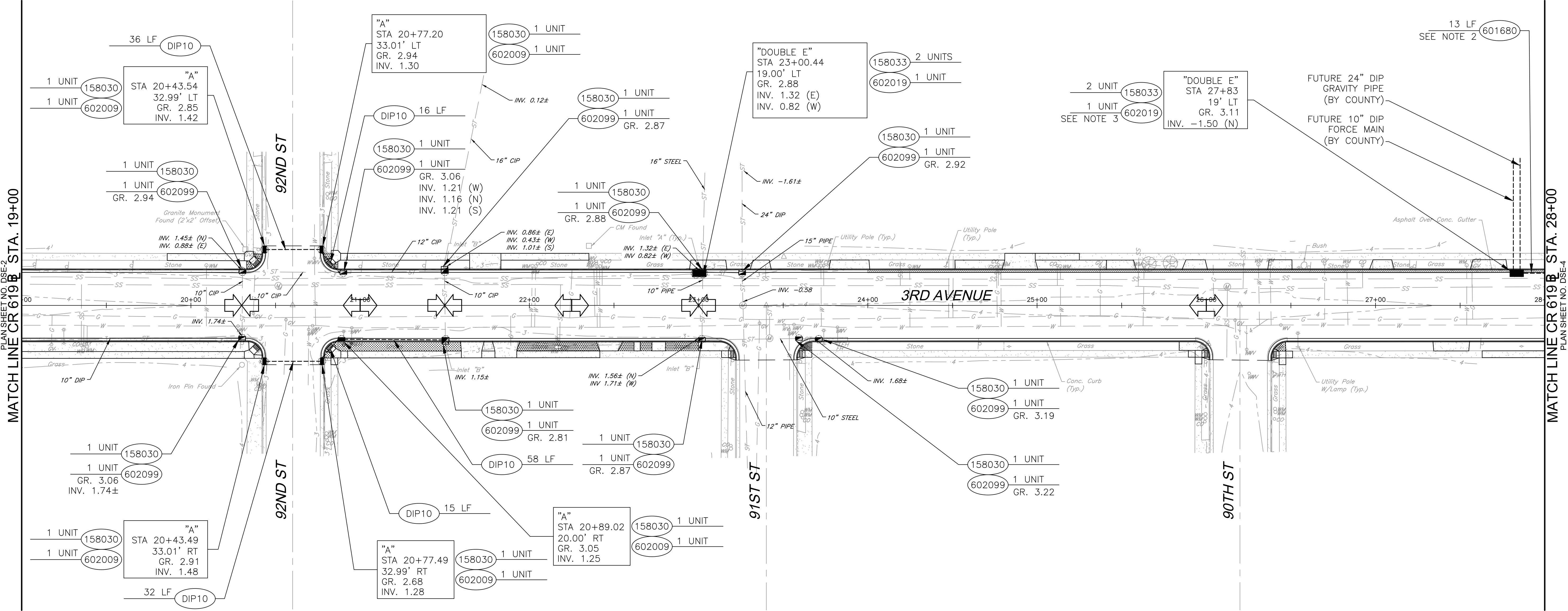
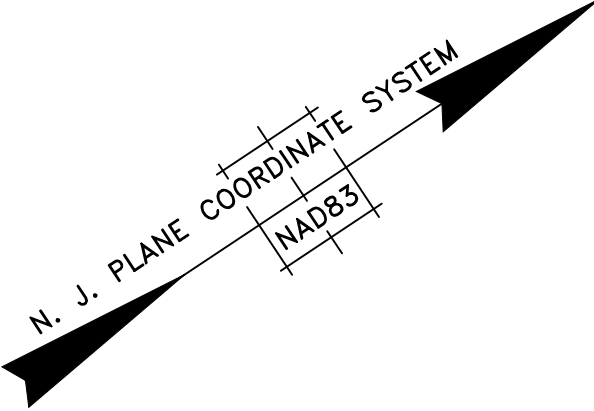
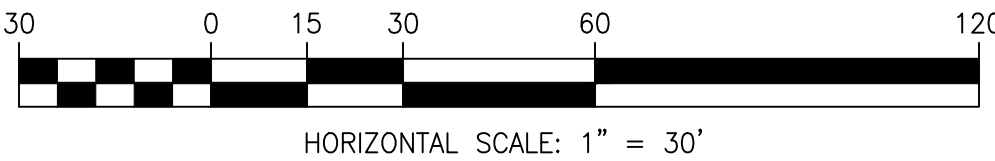
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2, 2' X 4'	UNIT	24
158033M	6	INLET FILTER TYPE 2, 4' X 4'	UNIT	2
DIP10	31	10" DUCTILE IRON PIPE	LF	92
601680M	32	16" DUCTILE IRON PIPE	LF	11
601684M	34	12" DUCTILE IRON PIPE	LF	371
602009M	35	INLET, TYPE A	UNIT	9
602099M	39	RESET EXISTING CASTING	UNIT	7
MHSQF	40	MANHOLE, SQUARE FRAME/ CIRCULAR COVER	UNIT	2

NOTES:

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

STATION 9+00 TO 19+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER					
									DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 13 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	DSE-2		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. 24GA2864600	



LEGEND


○ INLET FILTER

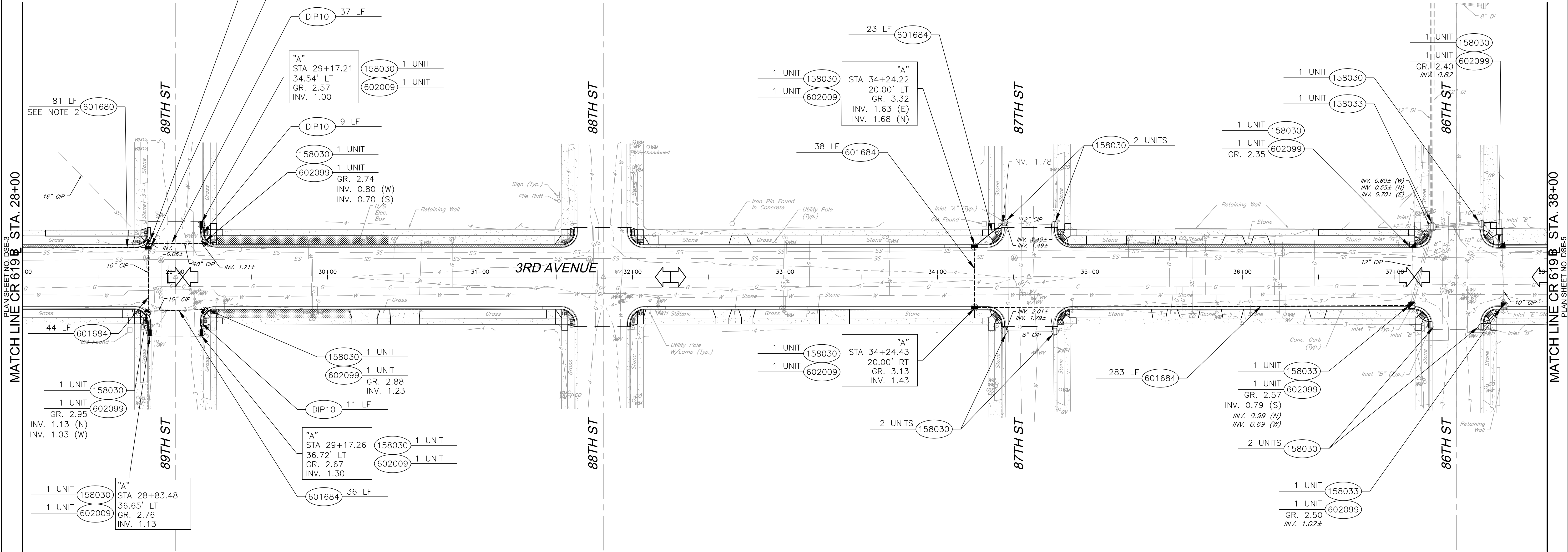
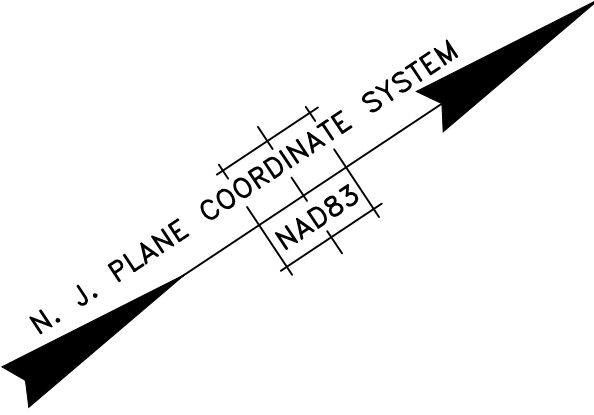
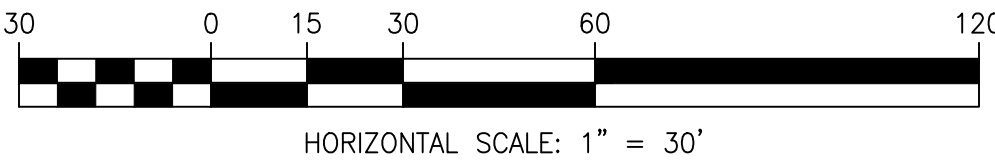
NOTES:

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

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2, 2' X 4'	UNIT	14
158033M	6	INLET FILTER TYPE 2, 4' X 4'	UNIT	4
DIP10	31	10" DUCTILE IRON PIPE	LF	157
601680M	32	16" DUCTILE IRON PIPE	LF	13
602009M	35	INLET, TYPE A	UNIT	5
602019M	38	INLET, TYPE DOUBLE E	UNIT	2
602099M	39	RESET EXISTING CASTING	UNIT	8

STATION 19+00 TO 28+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
								DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY			DSE-3	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. 24GA2864600		



PLAN SHEET NO. DSE-3
MATCH LINE CR 619B STA. 28+00


MATCH LINE CR 619B STA. 38+00
PLAN SHEET NO. DSE-5

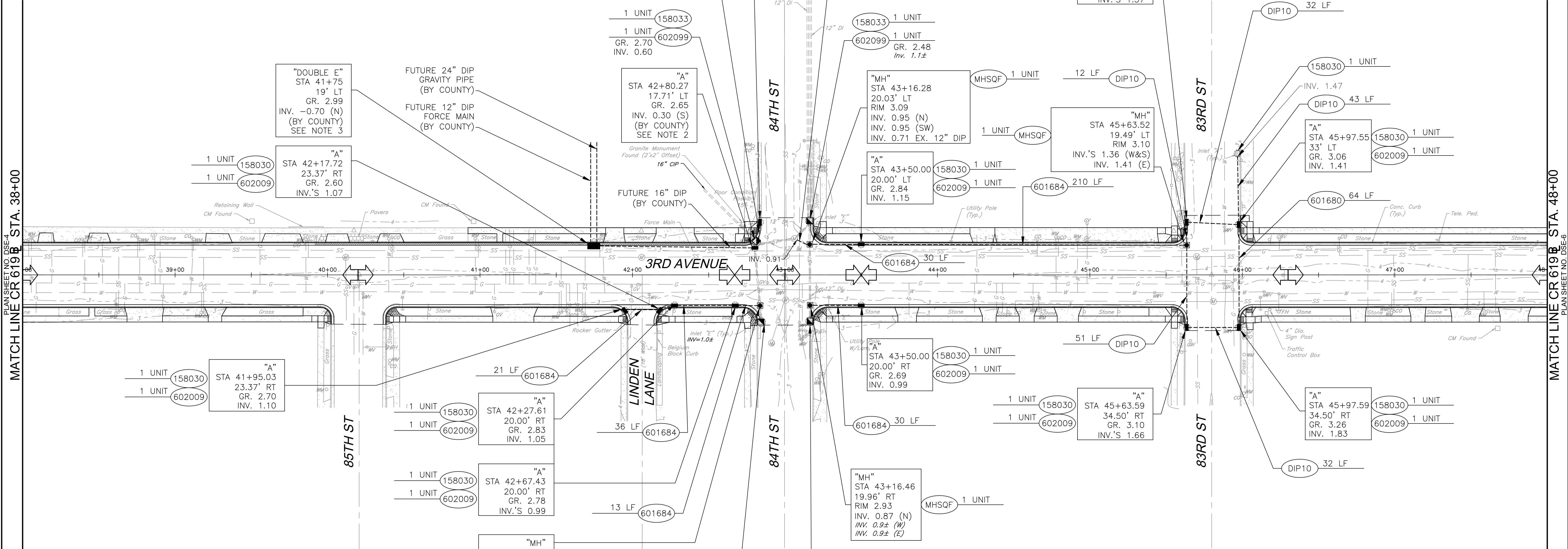
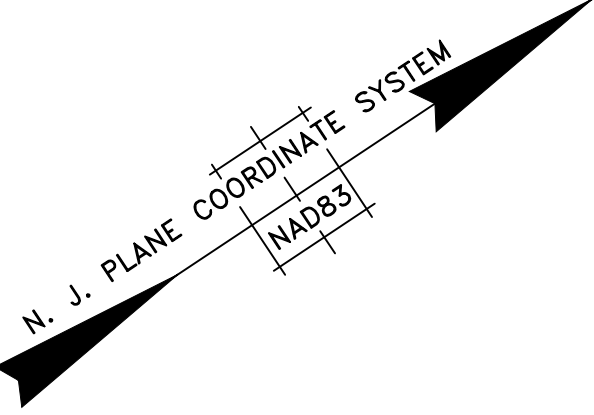
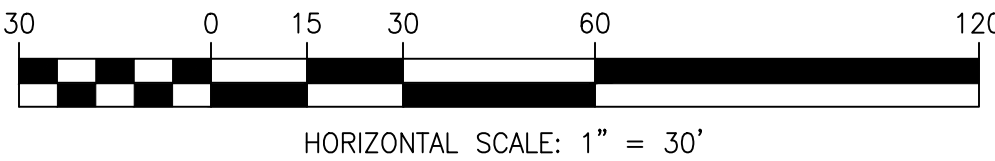
LEGEND
○ INLET FILTER

- NOTES:
1. ALL EXISTING STORM DRAINAGE PIPE INVERTS AND DIAMETERS SHALL BE VERIFIED IN THE FIELD.
 2. 16" DIP OUTLET PIPE OPENING TO BE TEMPORARILY BLOCKED IN PROPOSED INLET UNTIL DOWNSTREAM 24" DIP GRAVITY LINE IS INSTALLED (BY COUNTY).

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2, 2' X 4'	UNIT	19
158033M	6	INLET FILTER TYPE 2, 4' X 4'	UNIT	3
DIP10	31	10" DUCTILE IRON PIPE	LF	57
601680M	32	16" DUCTILE IRON PIPE	LF	81
601684M	34	12" DUCTILE IRON PIPE	LF	424
602009M	35	INLET, TYPE A	UNIT	5
602099M	39	RESET EXISTING CASTING	UNIT	9

STATION 28+00 TO 38+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 15 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	DSE-4		APPROVED: _____		04-2023 DATE	
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL, P.E.		NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600	




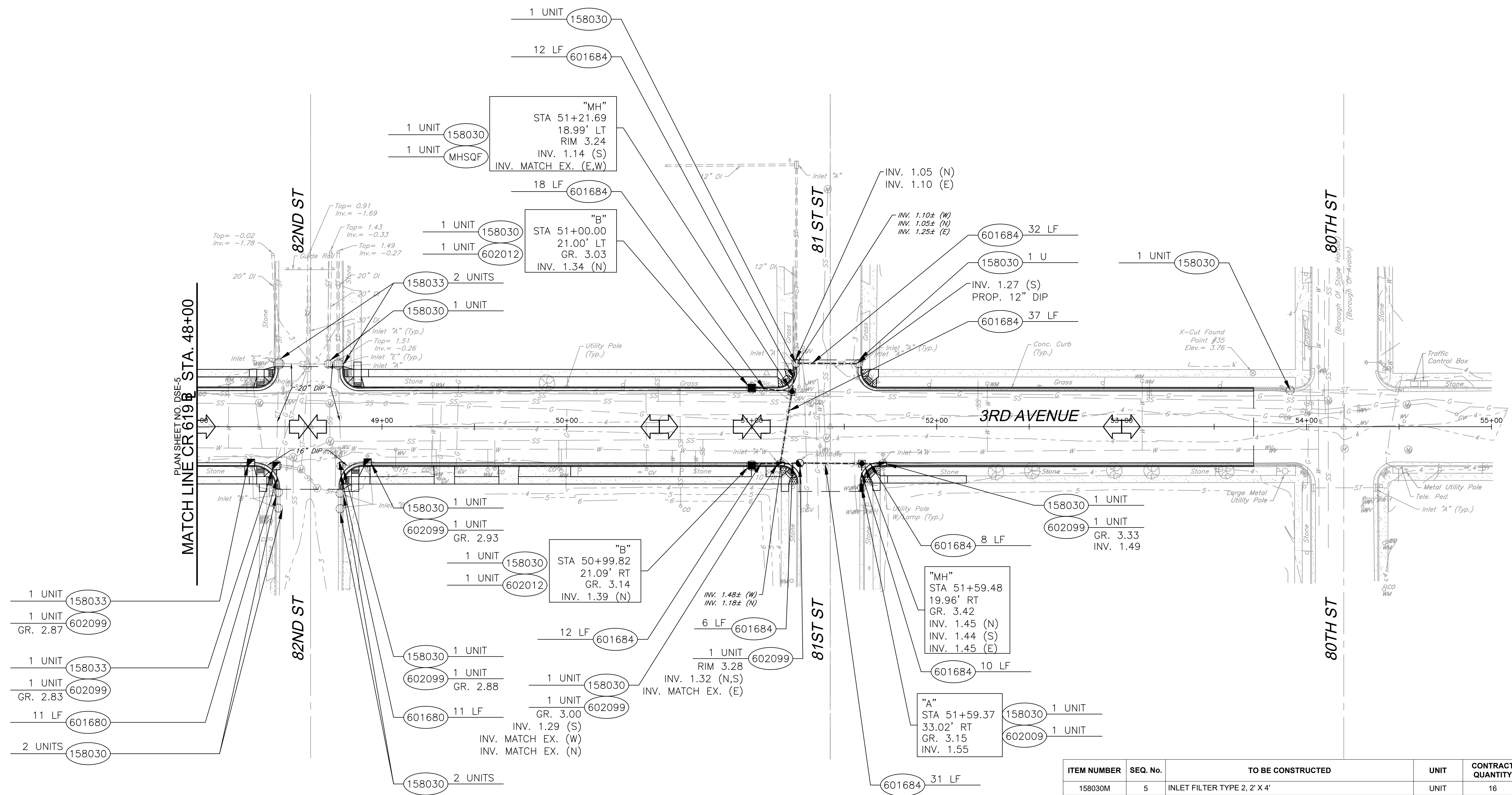
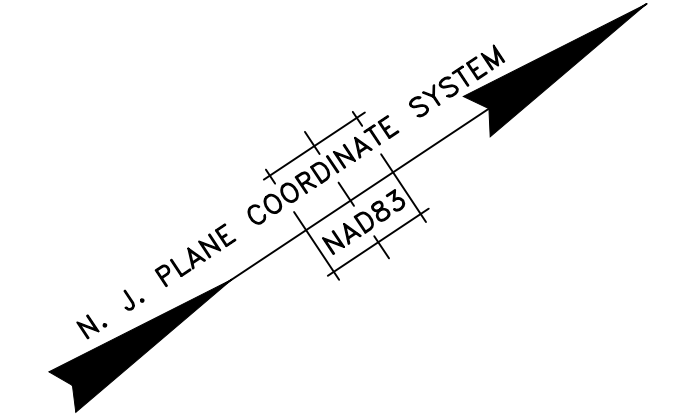
LEGEND
○ INLET FILTER

- NOTES:
- ALL EXISTING STORM DRAINAGE PIPE INVERTS AND DIAMETERS SHALL BE VERIFIED IN THE FIELD.
 - 16" DIP OUTLET PIPE OPENING TO BE TEMPORARILY BLOCKED IN PROPOSED INLET UNTIL DOWNSTREAM 24" DIP GRAVITY LINE IS INSTALLED (BY COUNTY).
 - INSTALL DOUBLE "E" INLET WITH KNOCKOUTS FOR FUTURE PIPE CONNECTIONS (BY COUNTY). LOCATION TO BE VERIFIED AT PROPERTY LINE PER COUNTY.

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2. 2' X 4'	UNIT	12
158033M	6	INLET FILTER TYPE 2. 4' X 4'	UNIT	4
DIP10	31	10" DUCTILE IRON PIPE	LF	170
601680M	32	16" DUCTILE IRON PIPE	LF	64
601684M	34	12" DUCTILE IRON PIPE	LF	357
602009M	35	INLET, TYPE A	UNIT	11
602099M	39	RESET EXISTING CASTING	UNIT	7
MHSQF	40	MANHOLE, SQUARE FRAME/ CIRCULAR COVER	UNIT	4

STATION 38+00 TO 48+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
								DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY			DSE-5	APPROVED: _____		04-2023 DATE
BY	REVISION	CHK.	DATE				NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700		MICHAEL P. O'DONNELL, P.E.	
							STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600			

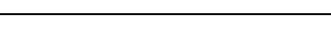


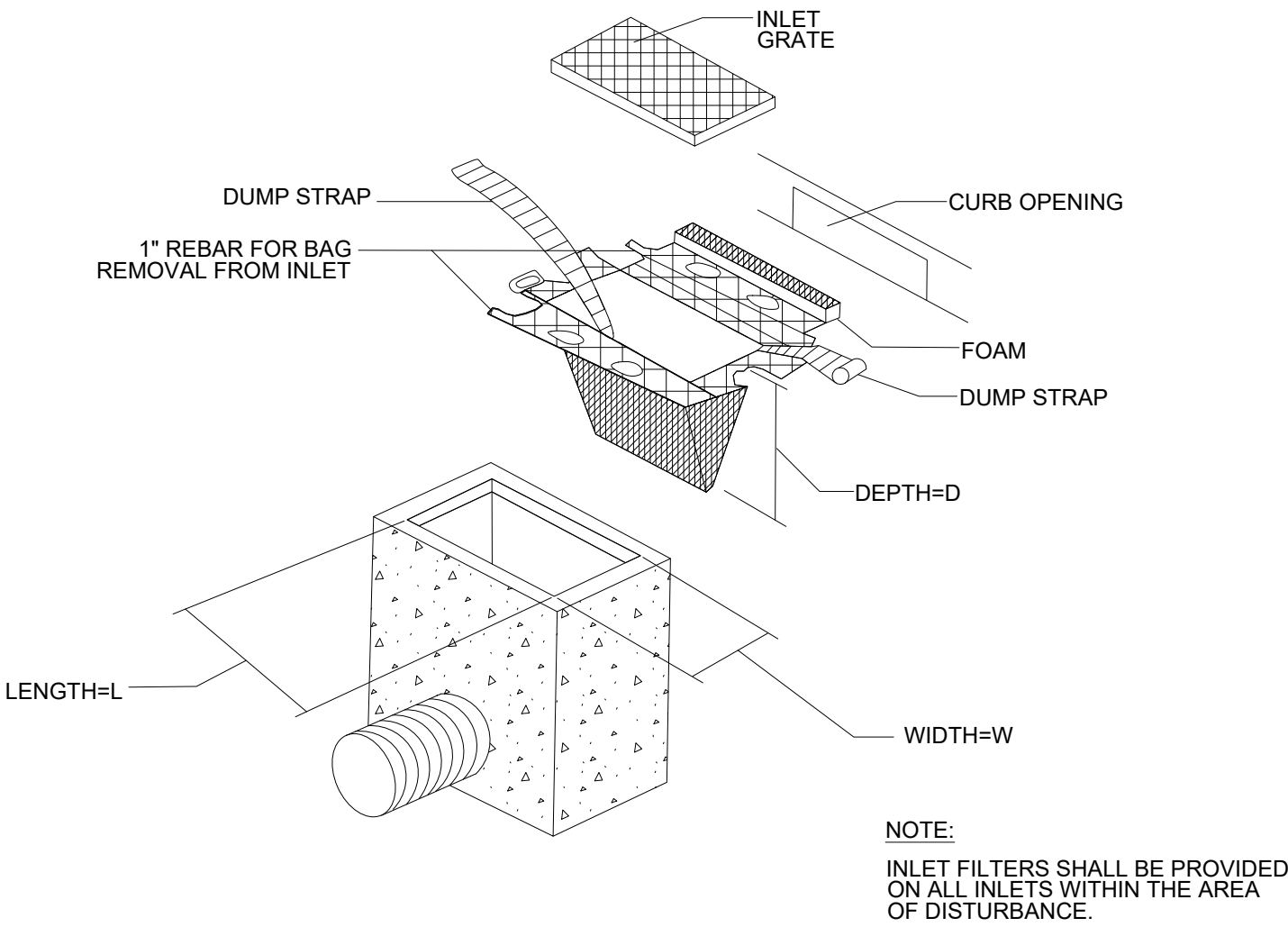
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
158030M	5	INLET FILTER TYPE 2, 2' X 4'	UNIT	16
158033M	6	INLET FILTER TYPE 2, 4' X 4'	UNIT	4
601680M	32	16" DUCTILE IRON PIPE	LF	22
601684M	34	12" DUCTILE IRON PIPE	LF	166
602009M	35	INLET, TYPE A	UNIT	1
602012M	36	INLET, TYPE B	UNIT	2
MHSQF	40	MANHOLE, SQUARE FRAME/ CIRCULAR COVER	UNIT	2

NOTES:

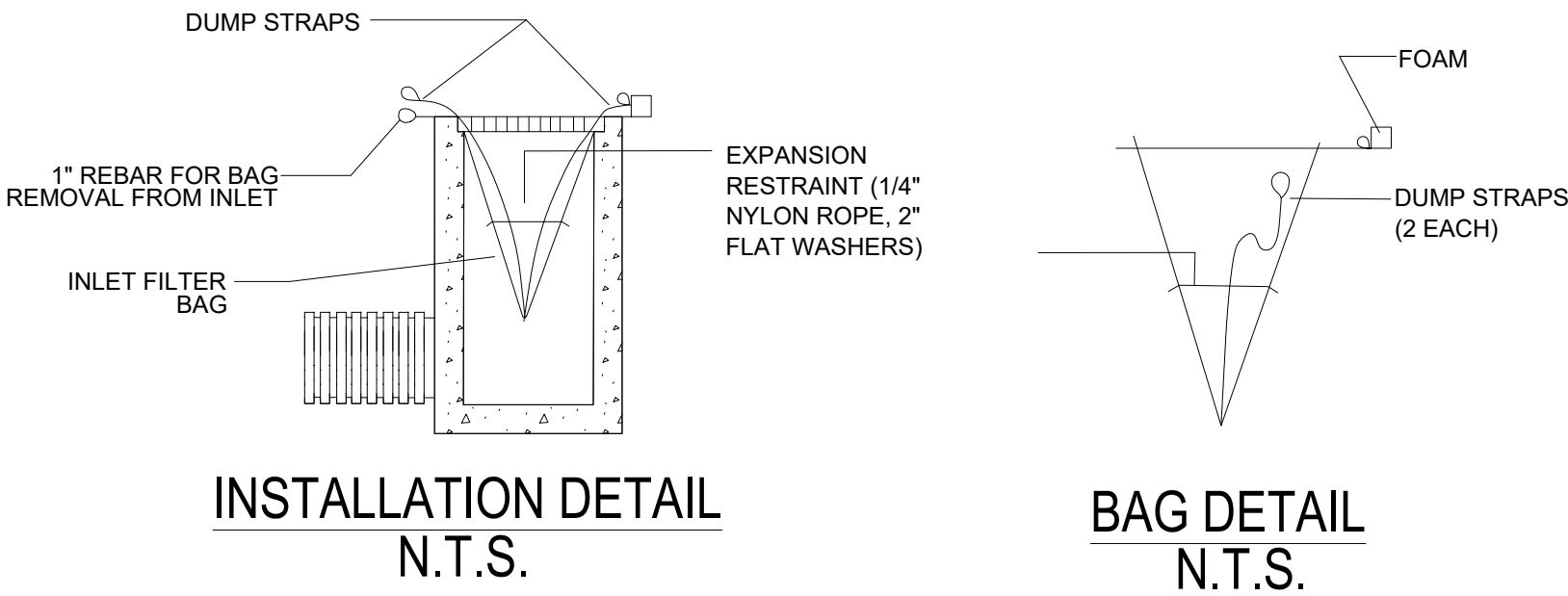
1. ALL EXISTING STORM DRAINAGE PIPE INVERTS AND DIAMETERS SHALL BE VERIFIED IN THE FIELD

STATION 48+00 TO 55+00

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER						
							BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	DSE-6	DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 17 OF 52	
									APPROVED:	04-2023			
BY	REVISION	CHK.	DATE						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						

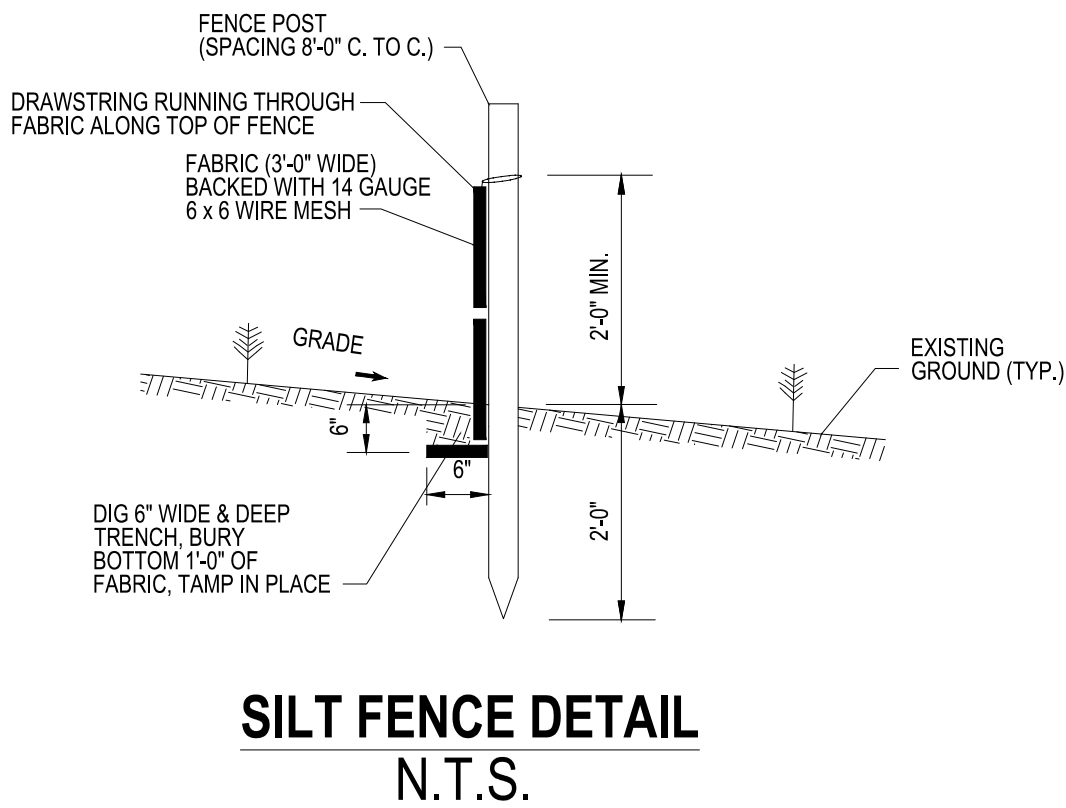


INLET FILTERS, TYPE 2
N.T.S.

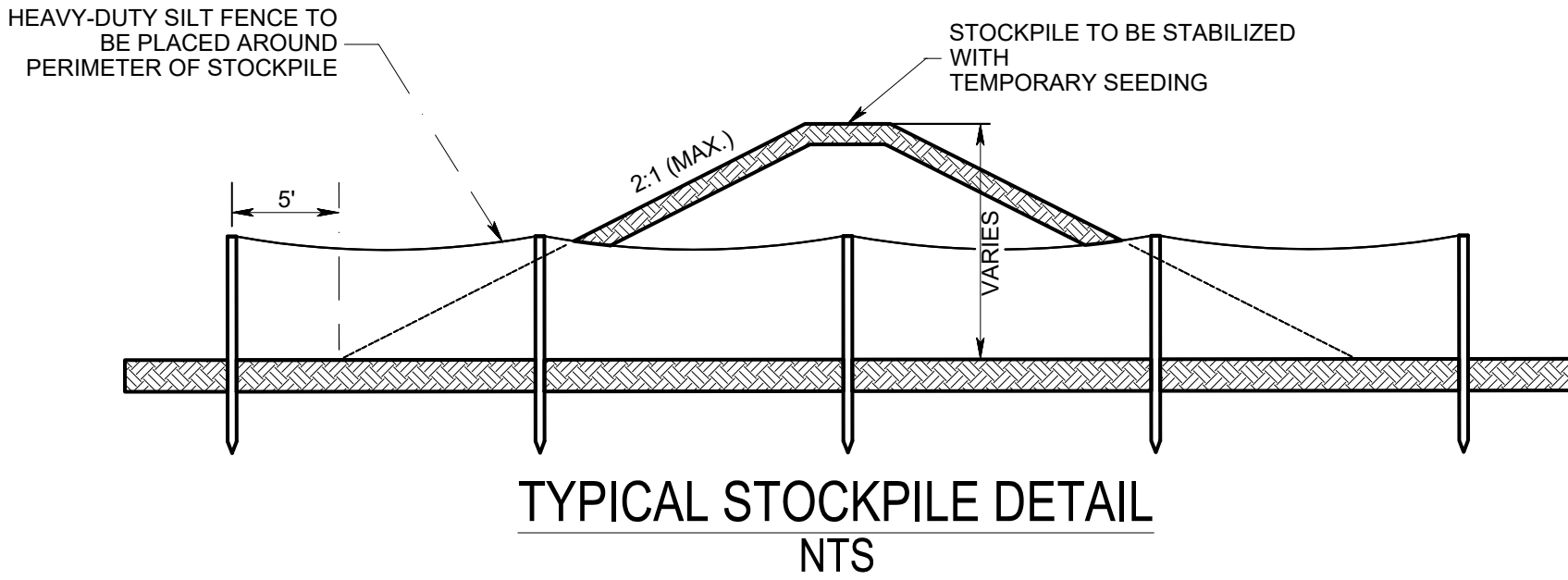


INSTALLATION DETAIL
N.T.S.

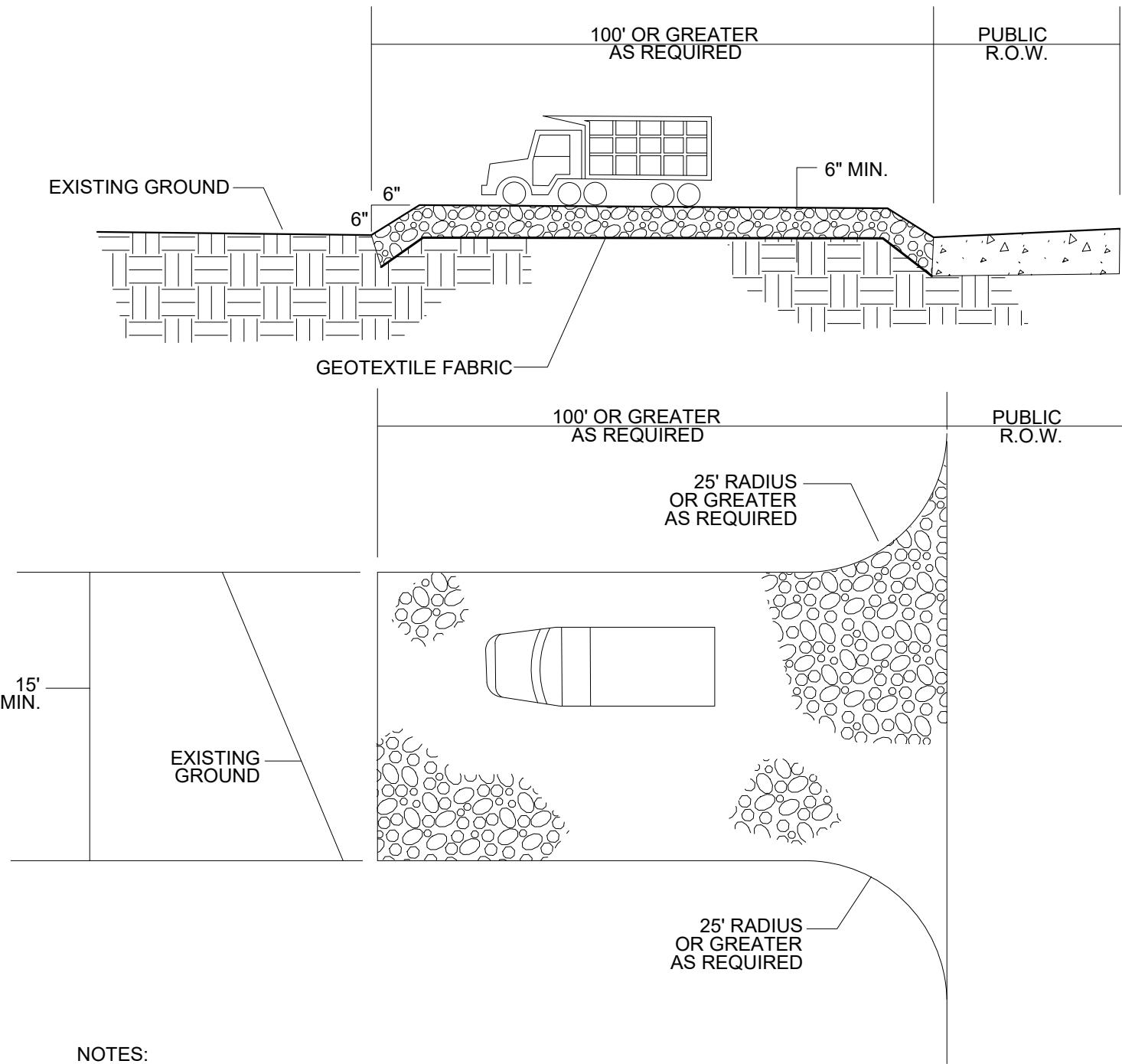
BAG DETAIL
N.T.S.



SILT FENCE DETAIL
N.T.S.

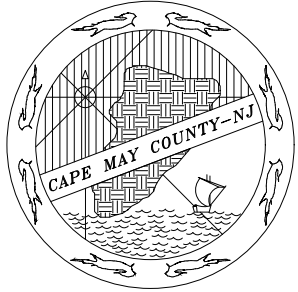


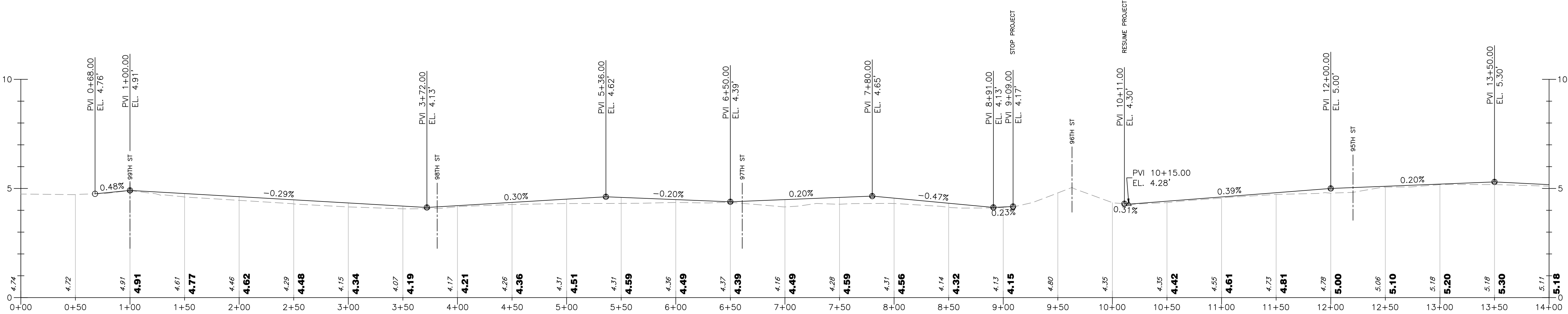
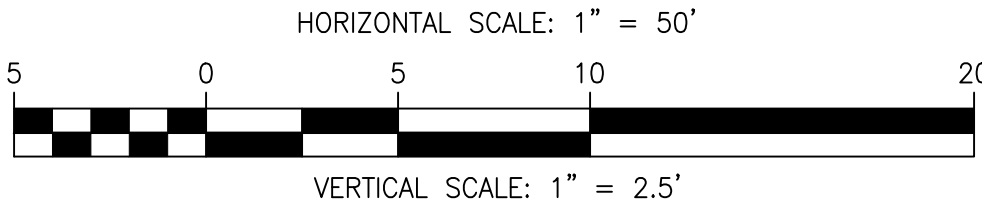
TYPICAL STOCKPILE DETAIL
NTS



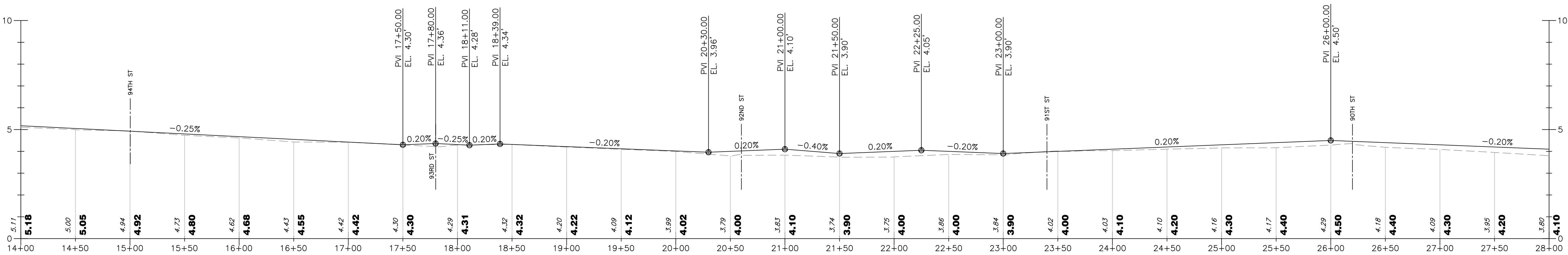
- NOTES:
1. PROVIDE TRANSITION BETWEEN THE STABILIZED CONSTRUCTION ENTRANCE AND THE PUBLIC RIGHT OF WAY.
 2. TEMPORARILY STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
 3. TO BE USED IF CONTRACTOR REQUIRES OFF-SITE STORAGE.

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

				RESURFACING OF THIRD AVENUE (CR 619)	DRAINAGE & SOIL EROSION CONTROL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SESC DETAILS		DRAWN BY: JC APRIL 2023 SCALE: SHEET 19 OF 52
BY	REVISION	CHK.	DATE				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. 24GA2864400



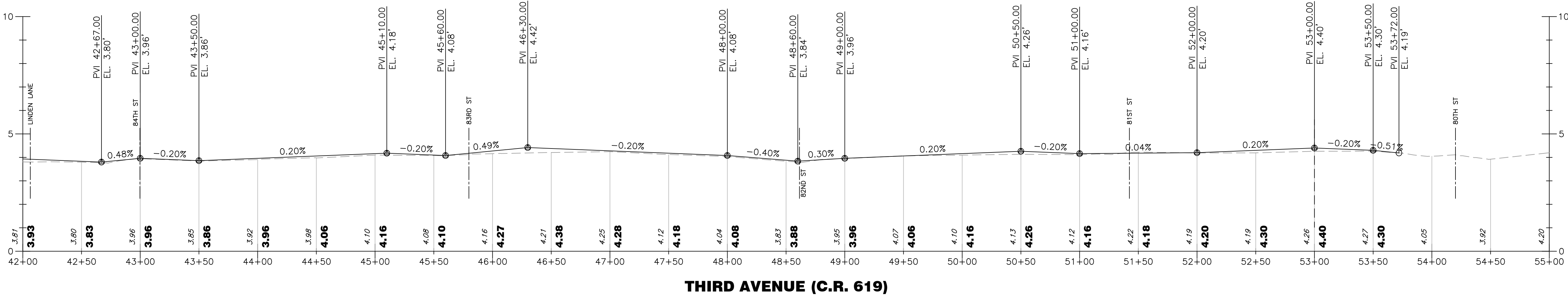
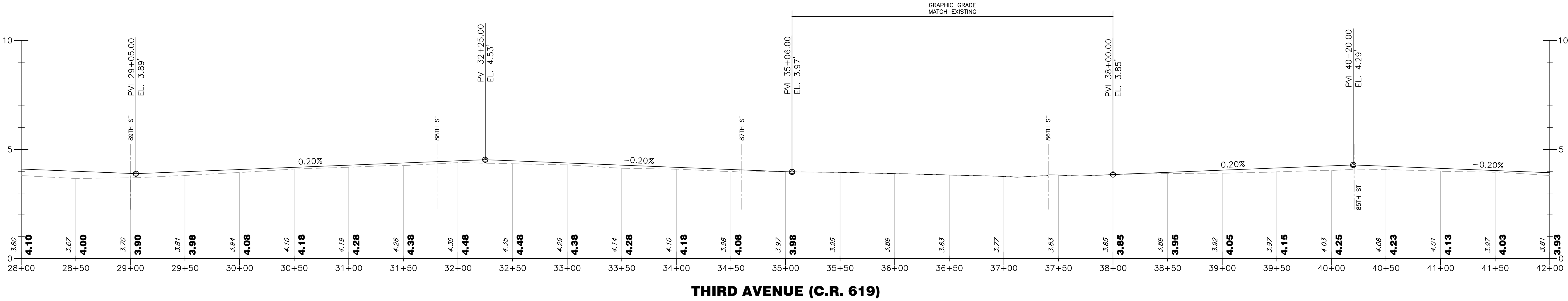
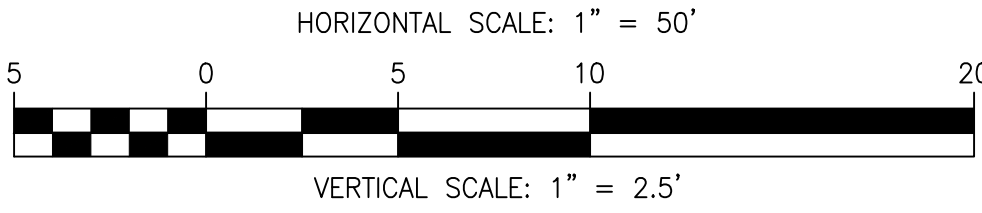
THIRD AVENUE (C.R. 619)



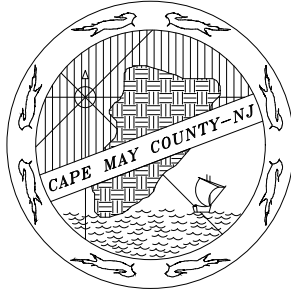
THIRD AVENUE (C.R. 619)

STATION 0+00 TO 28+00

				RESURFACING OF THIRD AVENUE (CR 619)	PROFILE		COUNTY OF CAPE MAY	
							OFFICE OF THE COUNTY ENGINEER	
							DRAWN BY: JC	APRIL 2023
							SCALE:	SHEET 20 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	P-1		APPROVED:	
							NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700	
							DATE	
BY	REVISION		CHK.	DATE			MICHAEL P. O'DONNELL, P.E.	



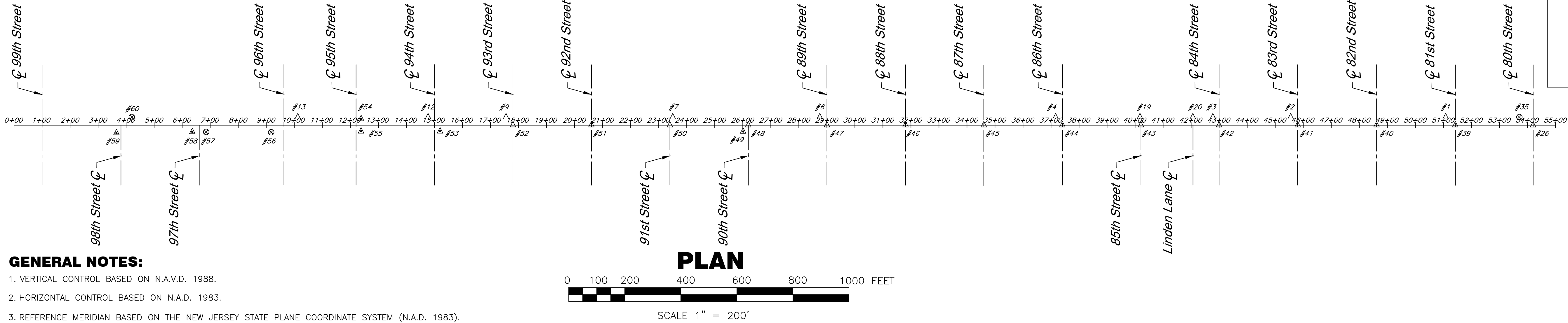
STATION 28+00 TO 55+00

				RESURFACING OF THIRD AVENUE (CR 619)	PROFILE		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER		
							DRAWN BY: JC	APRIL 2023	SCALE: SHEET 21 OF 52
							APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE		
BY	REVISION		CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	P-2	MICHAEL P. O'DONNELL, P.E.		
							STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600		

ELEVATION BENCHMARK DATA							
POINT No.	STATION	OFFSET	CENTERLINE	NORTH COORD. (GROUND)	EAST COORD. (GROUND)	DESCRIPTION	ELEVATION
1	51+08.01	28.97' LT.	C.R. 619	84156.1912	420370.3077	P.K. FOUND	3.38
2	45+54.96	28.92' LT.	C.R. 619	83694.7576	420065.4437	P.K. FOUND	3.15
3	42+77.42	28.85' LT.	C.R. 619	83463.1725	419912.4959	P.K. FOUND	2.79
4	37+16.39	28.95' LT.	C.R. 619	82995.1585	419603.1112	P.K. FOUND	2.63
6	28+74.83	28.87' LT.	C.R. 619	82293.0005	419139.2128	P.K. FOUND	3.11
7	23+50.42	28.80' LT.	C.R. 619	81855.4453	418850.1519	P.K. FOUND	3.40
9	17+55.25	28.78' LT.	C.R. 619	81358.8886	418522.0412	P.K. FOUND	3.92
12	14+77.08	28.72' LT.	C.R. 619	81126.7805	418368.7378	P.K. FOUND	4.65
13	10+12.37	28.72' LT.	C.R. 619	80739.0727	418112.5351	P.K. FOUND	4.29
19	40+17.23	28.96' LT.	C.R. 619	83246.1573	419768.9550	P.K. FOUND	3.68
20	42+05.85	28.86' LT.	C.R. 619	83403.4597	419873.0245	P.K. FOUND	3.15
26	54+20.11	0.17' RT.	C.R. 619	84400.5137	420566.6866	P.K. FOUND	4.12
35	53+70.97	28.99' LT.	C.R. 619	84375.5924	420515.2699	X-CUT FOUND	3.76
39	51+42.42	0.12' RT.	C.R. 619	84168.8617	420413.5476	P.K. FOUND	4.22
40	48+61.42	0.34' LT.	C.R. 619	83934.6810	420258.2512	P.K. FOUND	3.78
41	45+79.89	0.28' LT.	C.R. 619	83699.7674	420103.0889	P.K. FOUND	4.14
42	42+99.73	0.41' LT.	C.R. 619	83466.1010	419948.5156	P.K. FOUND	3.96
43	40+20.74	0.62' LT.	C.R. 619	83233.4607	419794.5349	P.K. FOUND	4.10

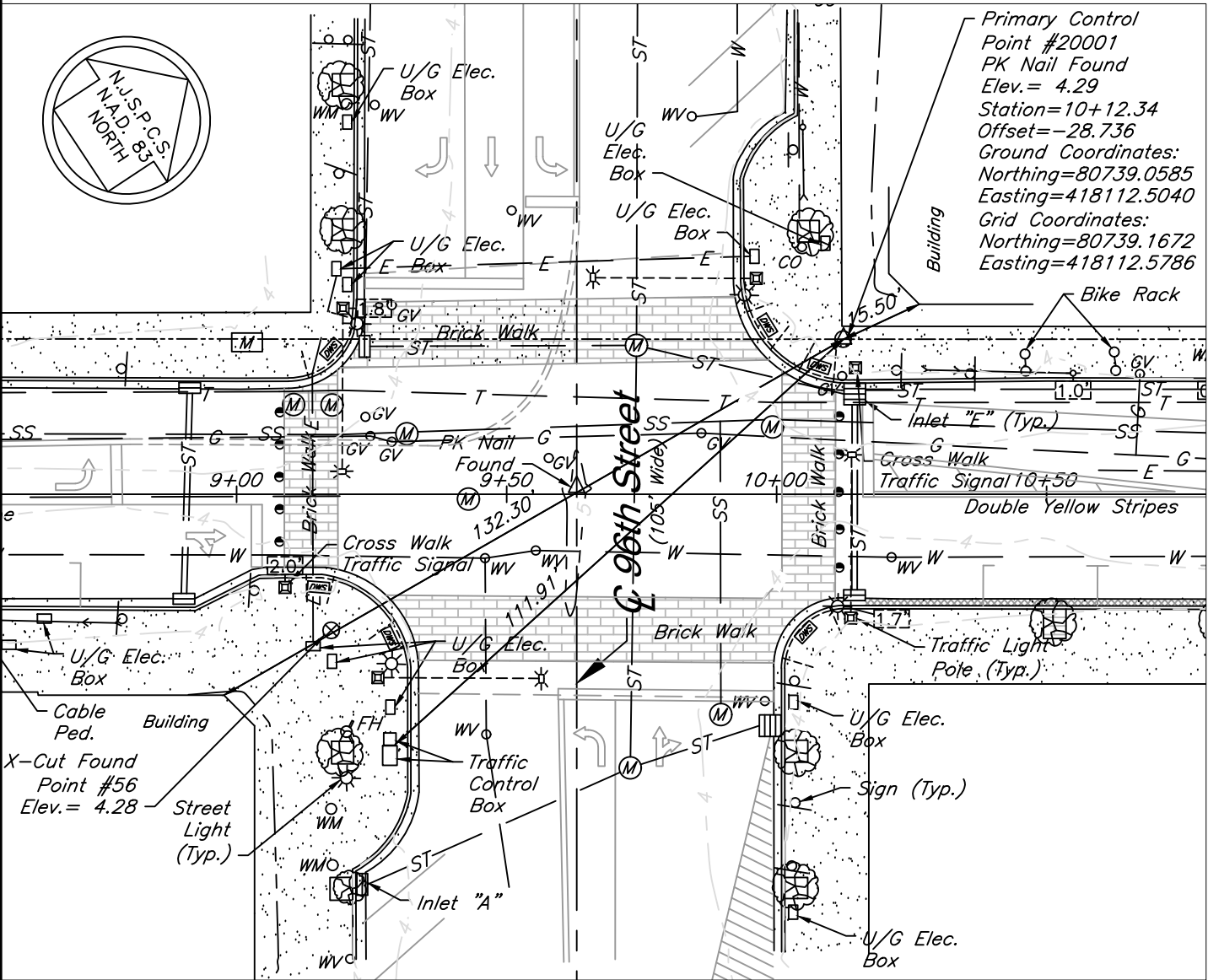
ELEVATION BENCHMARK DATA							
POINT No.	STATION	OFFSET	CENTERLINE	NORTH COORD. (GROUND)	EAST COORD. (GROUND)	DESCRIPTION	ELEVATION
44	37+40.54	0.58' LT.	C.R. 619	82999.6653	419640.0849	P.K. FOUND	3.82
45	34+60.11	0.74" RT.	C.R. 619	82764.9739	419486.5827	P.K. FOUND	4.06
46	31+80.87	0.19' LT.	C.R. 619	82532.5160	419331.8595	P.K. FOUND	4.34
47	29+00.40	0.24' RT.	C.R. 619	82298.2848	419177.5872	P.K. FOUND	3.70
48	26+19.89	0.14' LT.	C.R. 619	82064.4687	419022.6301	P.K. FOUND	4.32
49	26+01.25	22.59' RT.	C.R. 619	82036.3884	419031.3095	P.K. SET	3.68
50	23+40.03	0.17' RT.	C.R. 619	81830.8060	418868.5953	P.K. FOUND	4.00
51	20+60.10	0.12' LT.	C.R. 619	81597.4231	418714.0211	P.K. FOUND	3.82
52	17+80.10	0.42' LT.	C.R. 619	81363.9874	418559.4093	P.K. FOUND	4.20
53	15+20.00	21.81' RT.	C.R. 619	81134.7320	418434.5596	P.K. SET	3.82
54	12+38.47	22.05' LT.	C.R. 619	80924.0318	418242.7478	P.K. SET	4.33
55	12+38.09	21.91' RT.	C.R. 619	80899.4771	418279.2208	P.K. SET	4.27
56	9+17.51	25.22' RT.	C.R. 619	80630.1942	418105.2391	X-CUT FOUND	4.28
57	6+85.65	24.18' RT.	C.R. 619	80437.3284	417976.5476	X-CUT FOUND	4.09
58	6+36.02	23.90' RT.	C.R. 619	80396.0735	417948.9421	NAIL SET	4.37
59	3+65.37	27.93' RT.	C.R. 619	80168.0502	417803.0931	P.K. SET	3.26
60	4+20.23	29.11' LT.	C.R. 619	80245.2736	417785.7523	X-CUT FOUND	3.76

NOTE:
THESE CONTROL POINTS ARE TO BE USED FOR ELEVATION CONTROL ONLY.

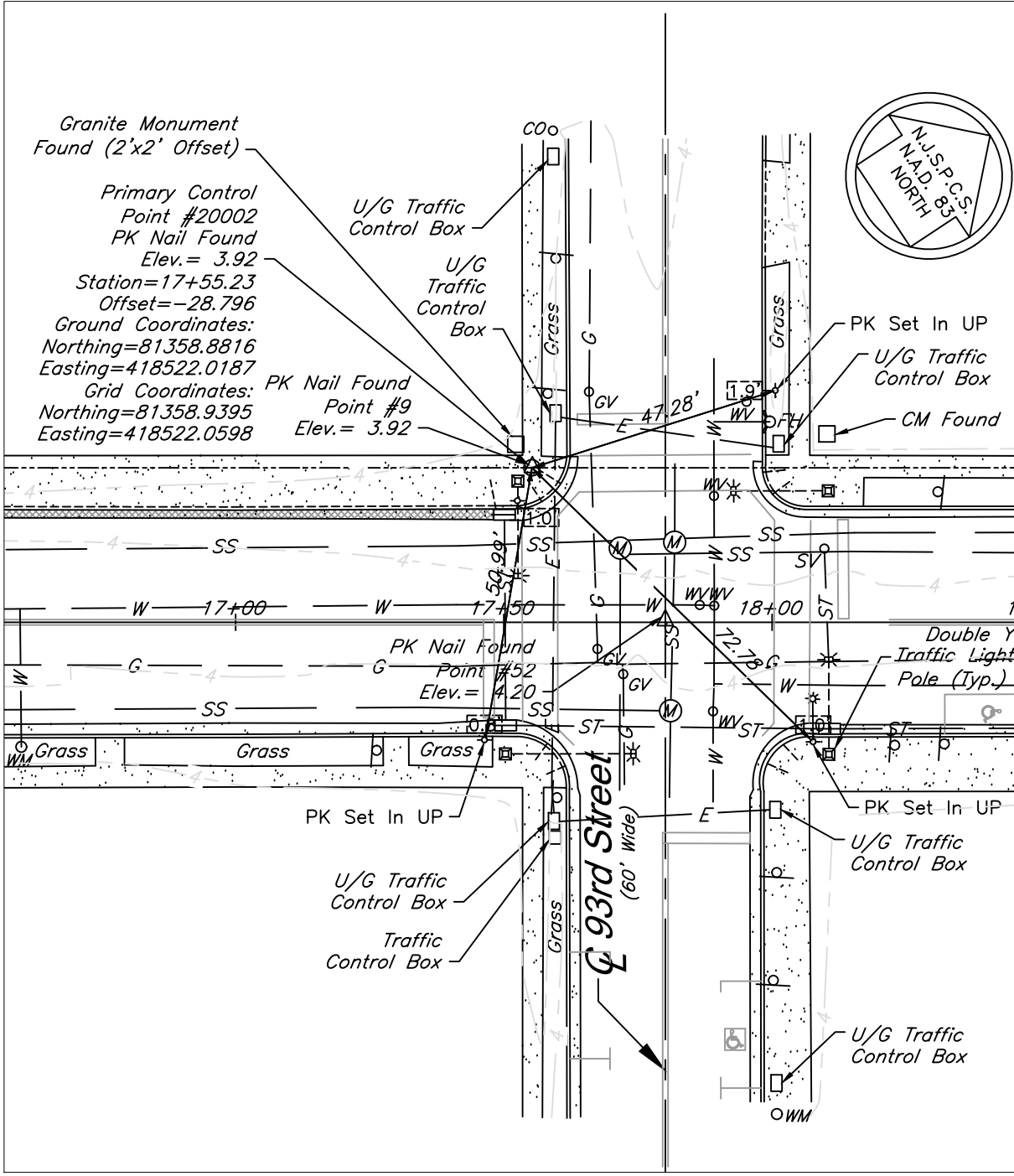


GENERAL NOTES:

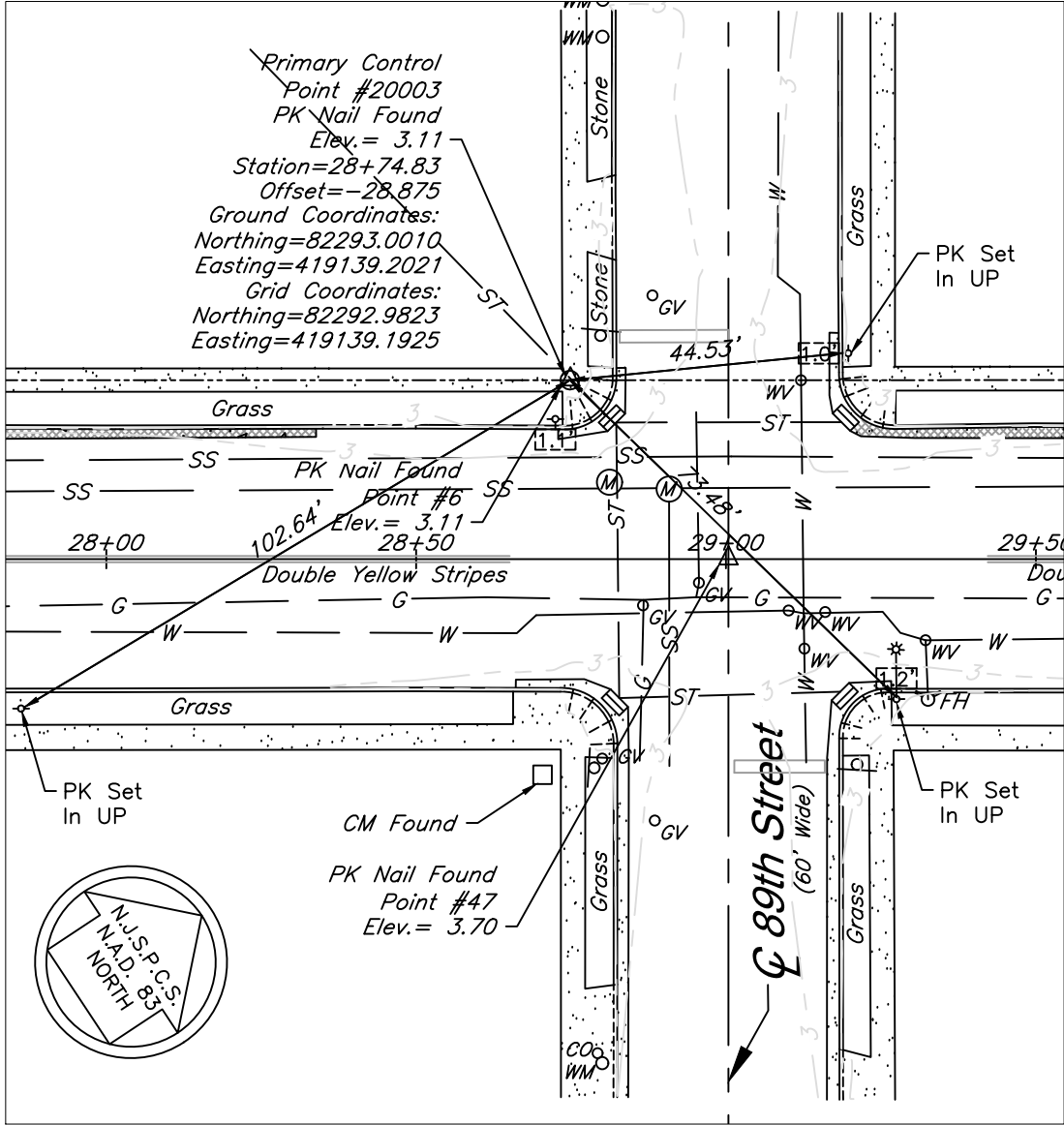
1. VERTICAL CONTROL BASED ON N.A.V.D. 1988.
2. HORIZONTAL CONTROL BASED ON N.A.D. 1983.
3. REFERENCE MERIDIAN BASED ON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (N.A.D. 1983).
4. THE EXISTING BASELINE SHOWN HEREON WAS PREPARED BY GIBSON ASSOCIATES, P.A. IN A NEW JERSEY STATE PLANE GRID COORDINATE SYSTEM. GRID AND GROUND DISTANCES ARE ILLUSTRATED ON THE BASELINE OF THESE PLANS. TO CONVERT GRID DISTANCES TO GROUND DISTANCES, MULTIPLY EACH GRID DISTANCE BY THE SCALE FACTOR OF 1.000082.



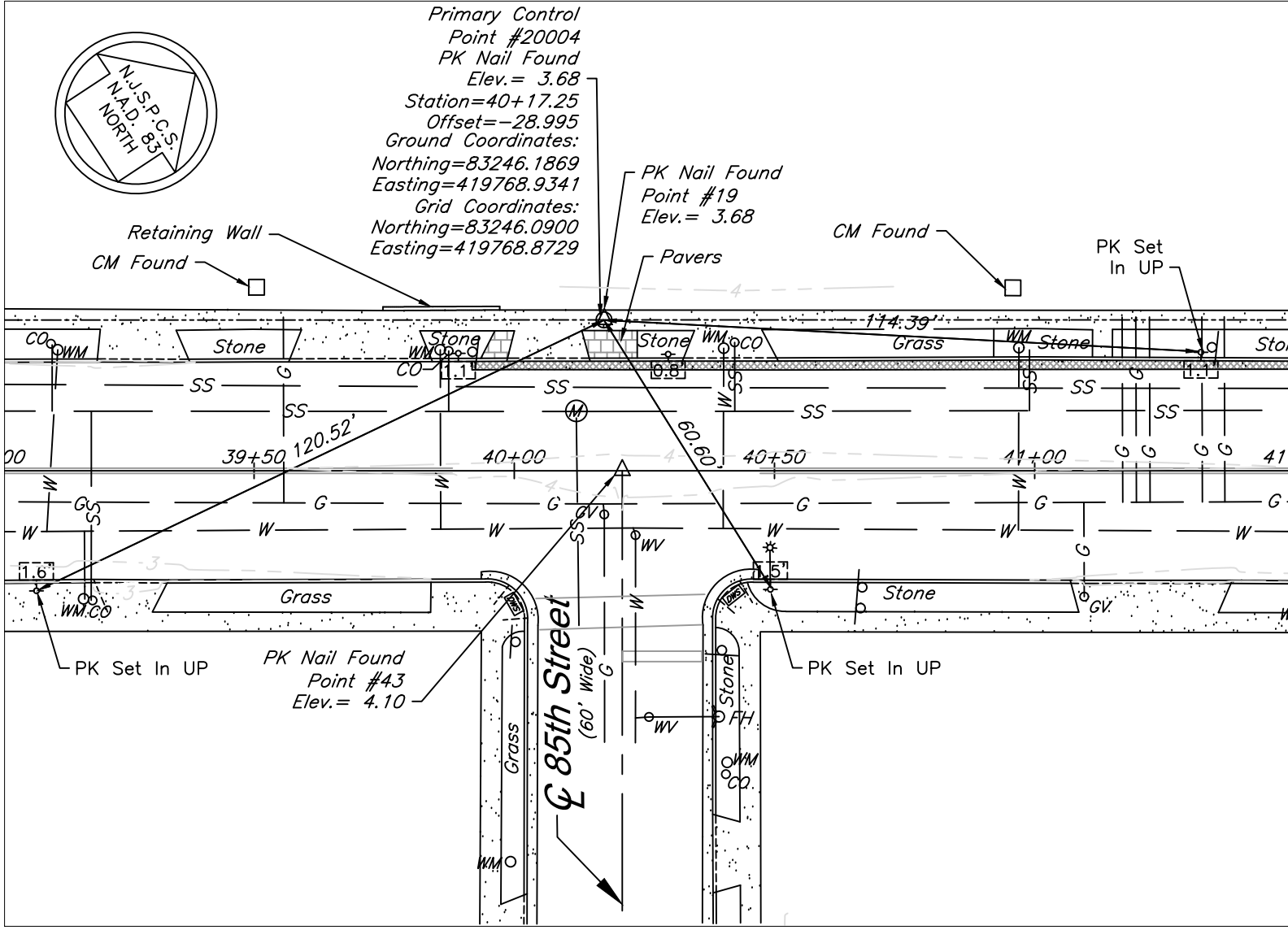
PRIMARY CONTROL POINT #20001
SCALE = 1" = 30'



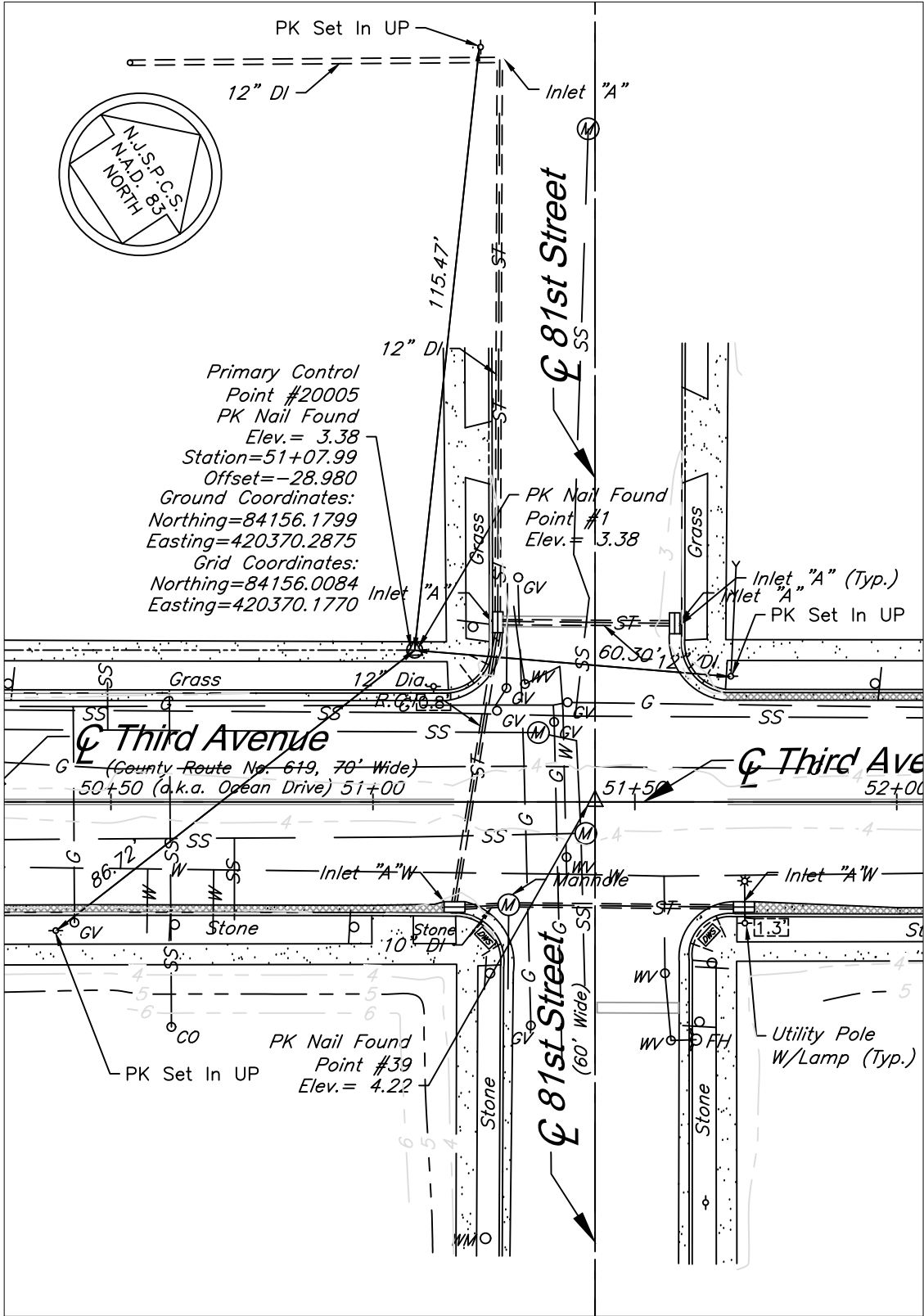
PRIMARY CONTROL POINT #20002
SCALE = 1" = 30'



PRIMARY CONTROL POINT #20003
SCALE = 1" = 30'



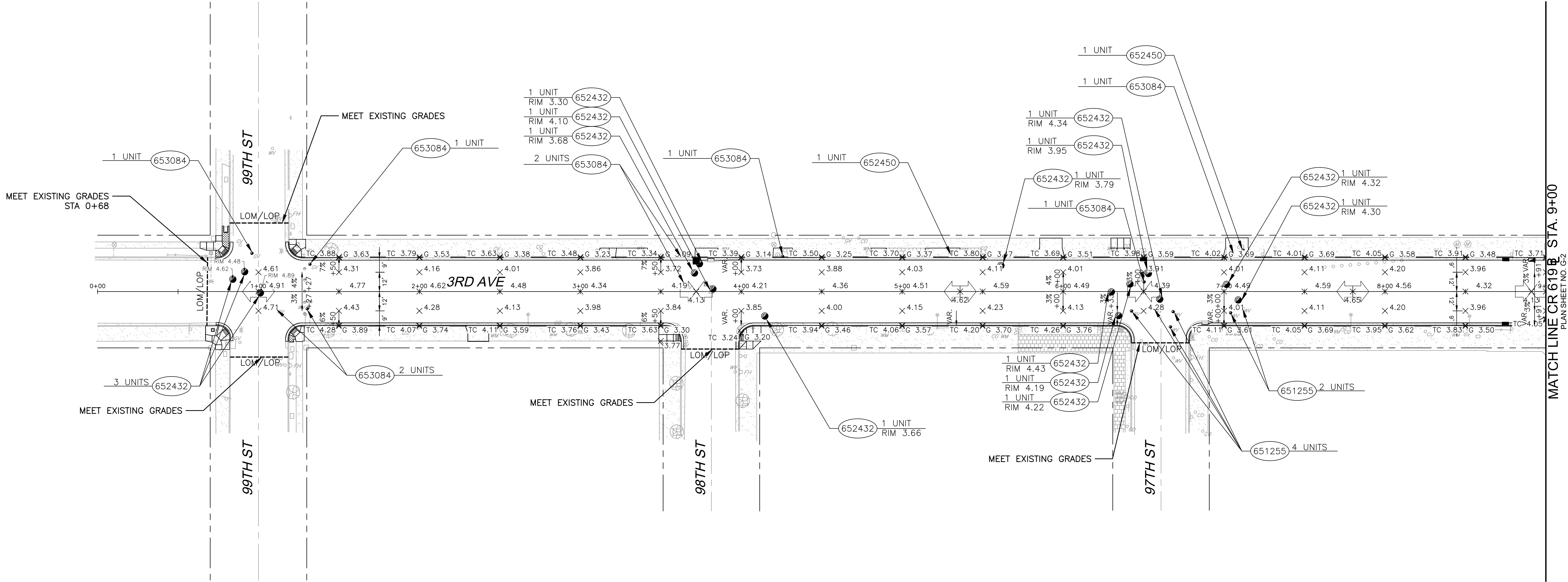
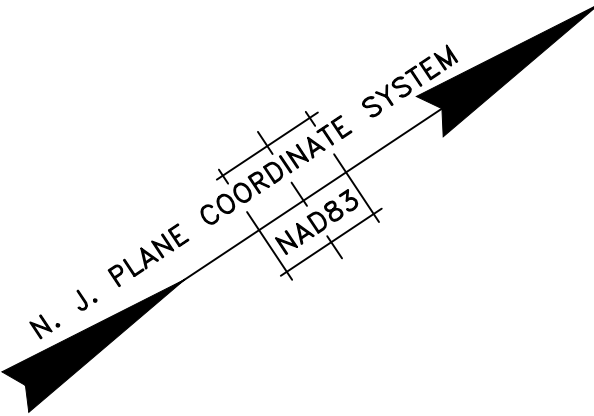
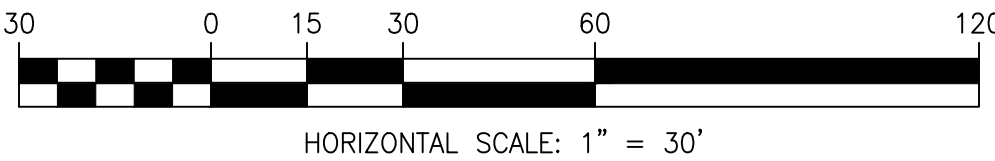
PRIMARY CONTROL POINT #20004
SCALE = 1" = 30'



PRIMARY CONTROL POINT #20005
SCALE = 1" = 30'

BASELINE CONTROL POINTS & TIES

				RESURFACING OF THIRD AVENUE (CR 619)	TIES		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER	
								DRAWN BY: JC APRIL 2023 SCALE: SHEET 22 OF 52
								APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	T-1	MICHAEL P. O'DONNELL, P.E.	STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24CA28844000	

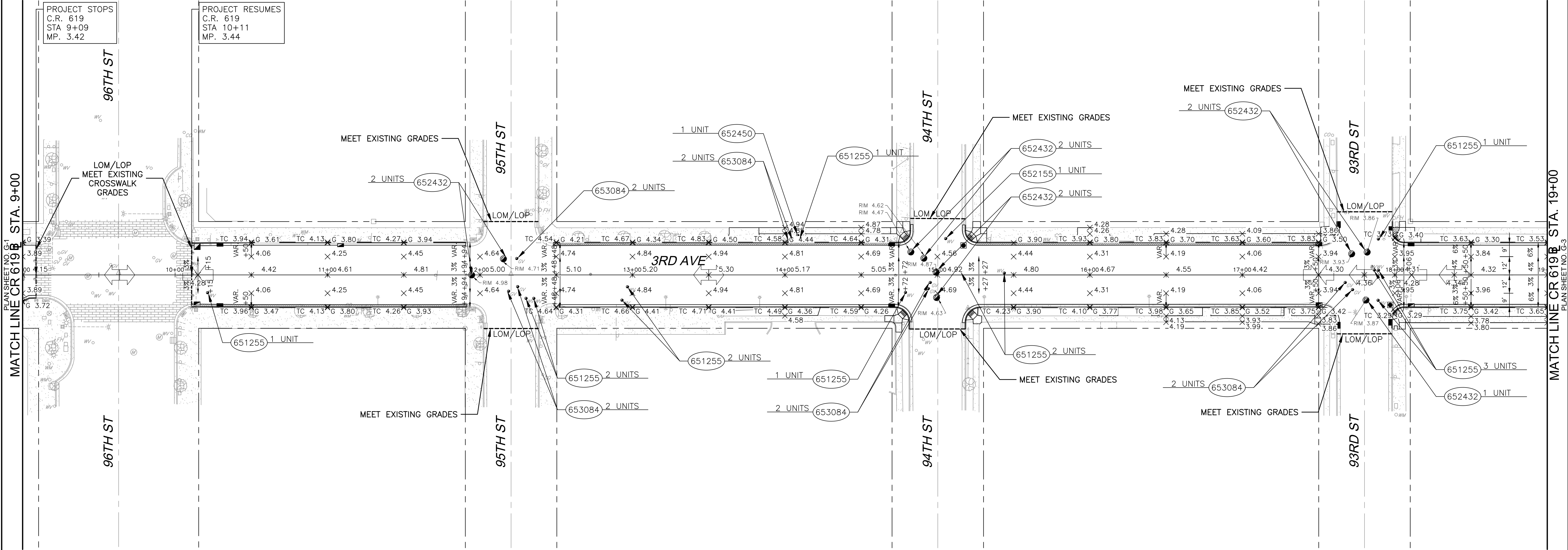
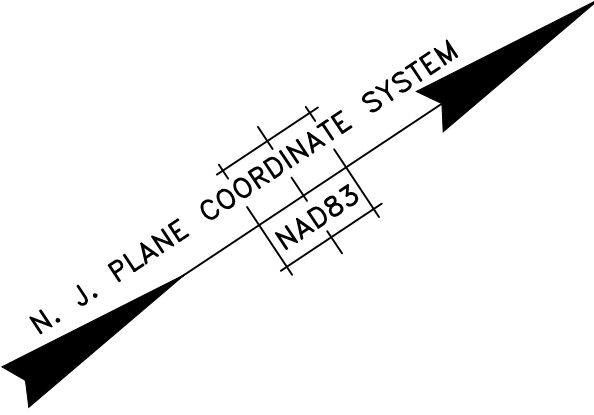
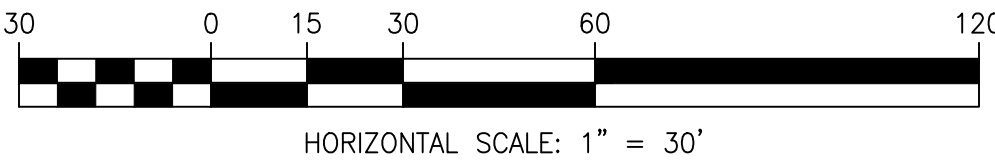


- NOTES:
- 1. SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.
 - 2. SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.
 - 3. ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

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 UTILITY PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 23 OF 52			
							APPROVED: _____ DATE 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700			
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600			



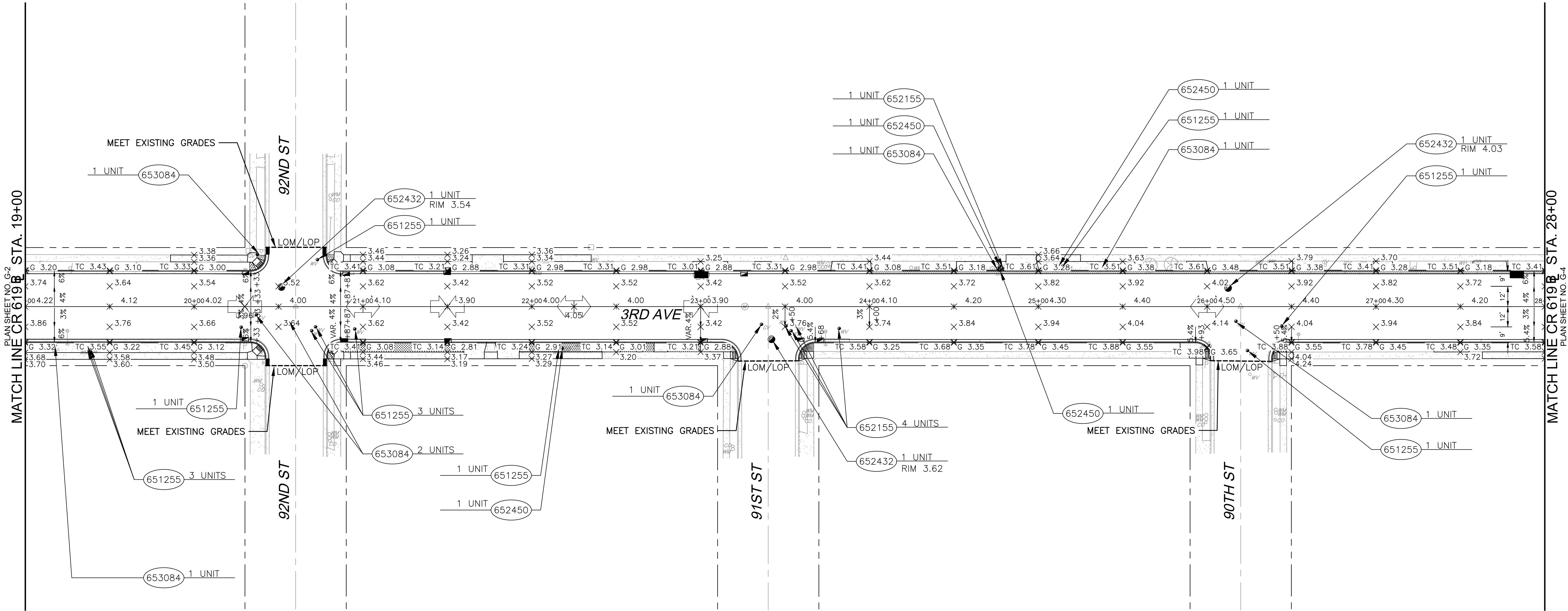
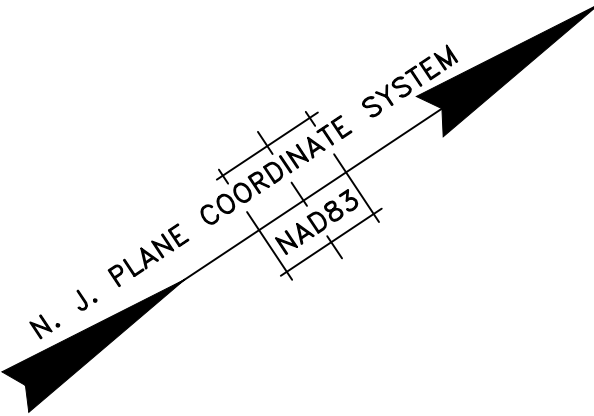
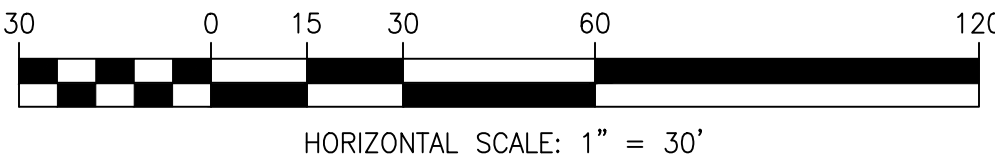
NOTES:

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 OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 24 OF 52
							APPROVED: _____ DATE 04-2023
							NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-2		MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600




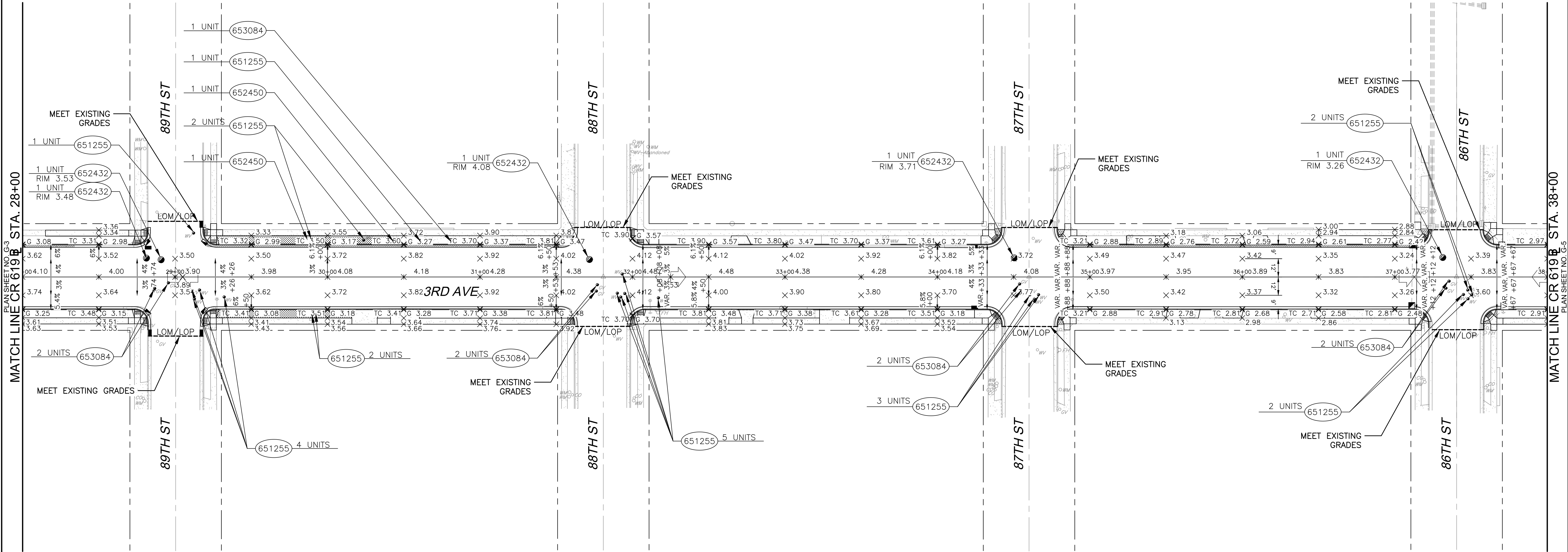
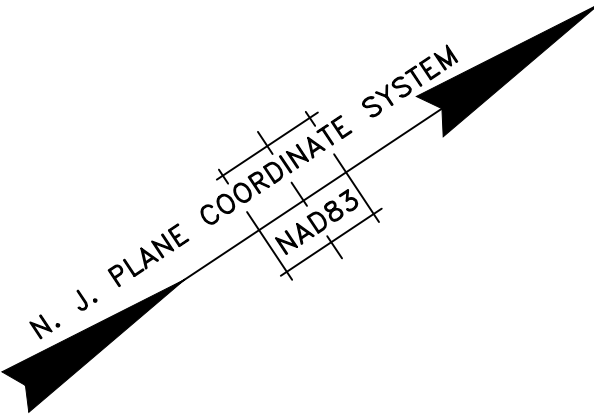
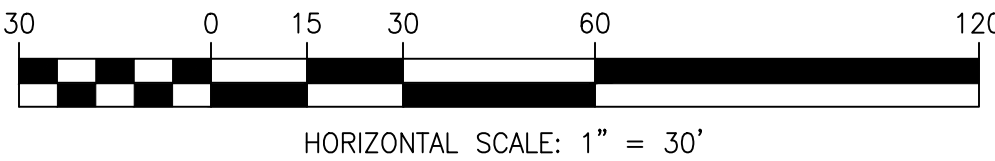
NOTES:

- SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.
- SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.
- 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		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER				
									DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 25 OF 52
									APPROVED: _____ 04-2023 DATE			
					BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-3		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							

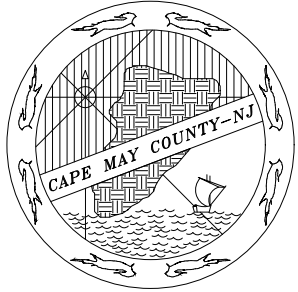


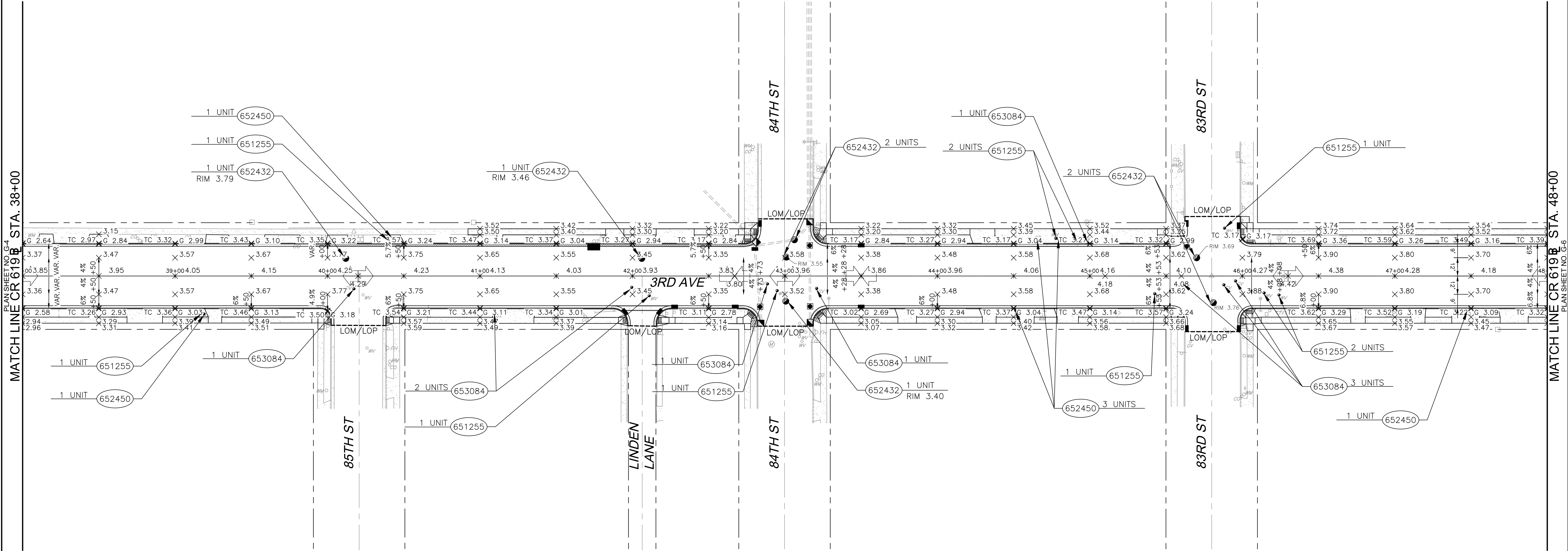
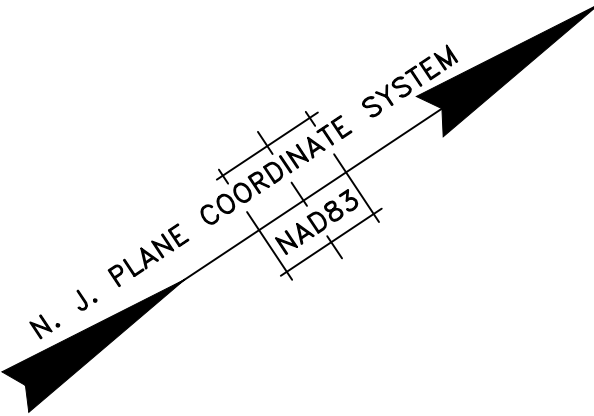
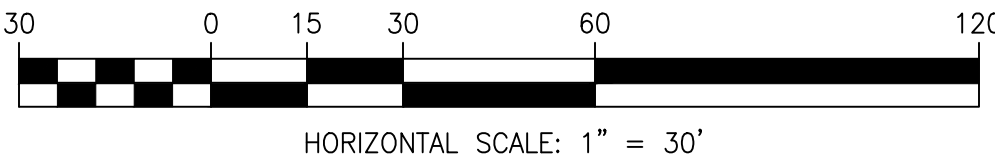
NOTES:

- 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.

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

BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	GRADING AND UTILITY PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER		
							DRAWN BY: JC	APRIL 2023	SCALE: 1"=30' SHEET 26 OF 52
							APPROVED: _____ 04-2023		
							MICHAEL P. O'DONNELL, P.E.		
							STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864400		



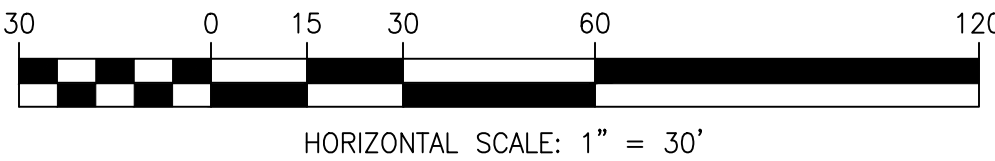
- NOTES:
- SEE DRAINAGE & SOIL EROSION CONTROL PLAN SHEETS FOR INLET GRATE ELEVATIONS AND STORM MANHOLE RIM ELEVATIONS.
 - SEE ADA RAMP DETAIL SHEETS FOR ADA RAMP GRADES.
 - ALL PROPOSED SIDEWALK AND DRIVEWAY REPLACEMENT SHALL MEET EXISTING SIDEWALK GRADES AT LIMIT OF PROPOSED WORK.

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

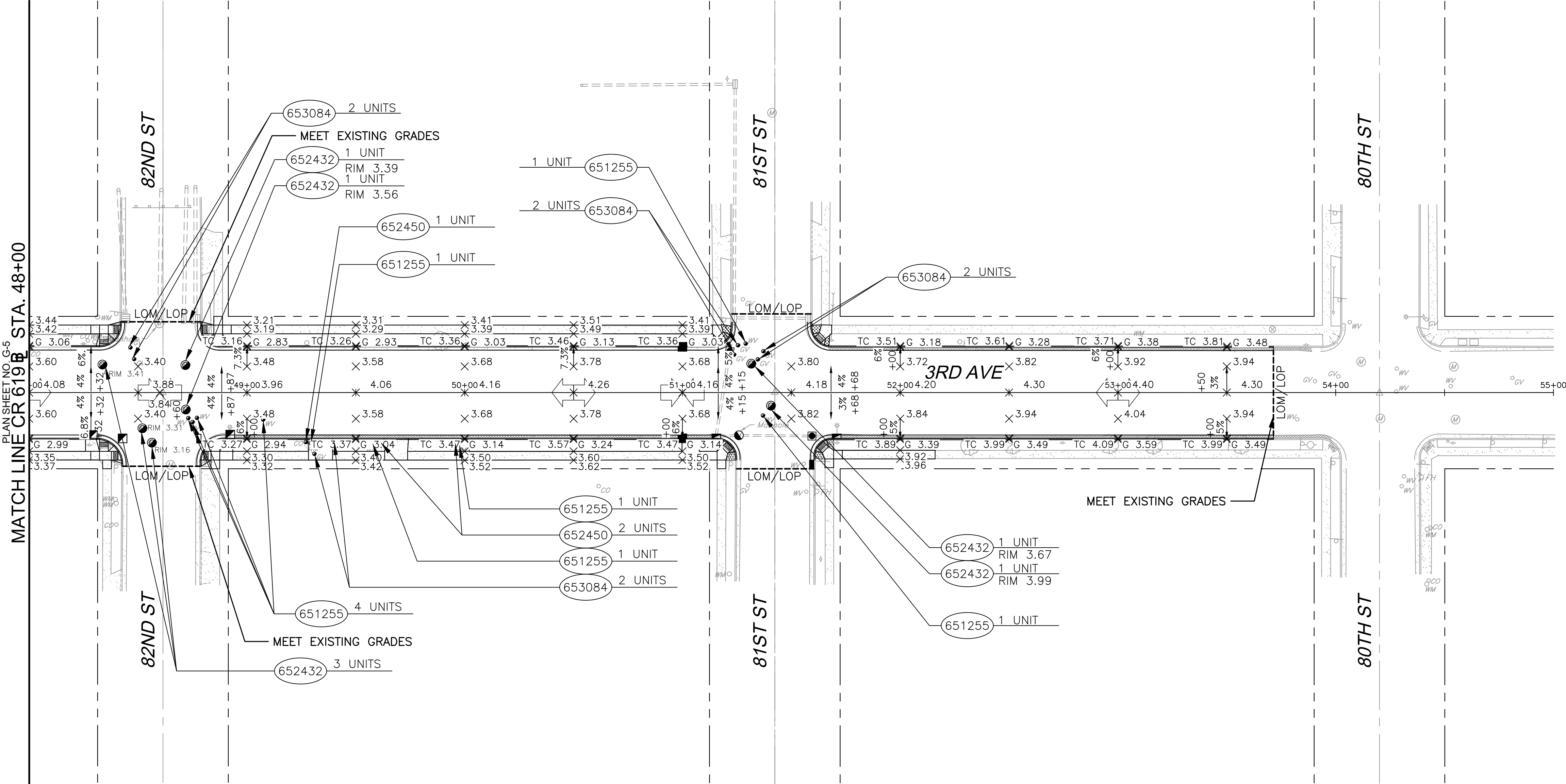
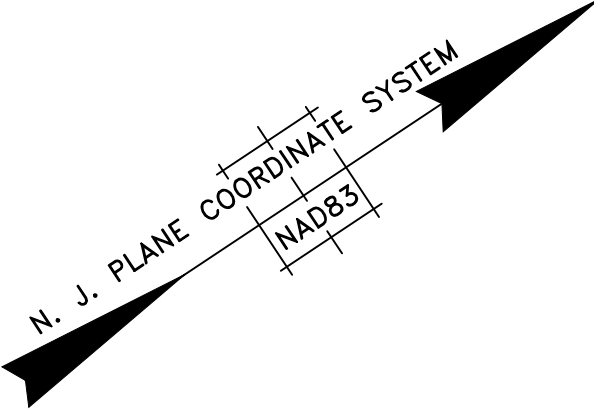
STATION 38+00 TO 48+00

				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-5		

DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 27 OF 52
APPROVED: MICHAEL P. O'DONNELL, P.E.			04-2023
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700			DATE
STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600			



STATE	FEDERAL PROJECT NO.
N.J.	STBGP-0619(343)



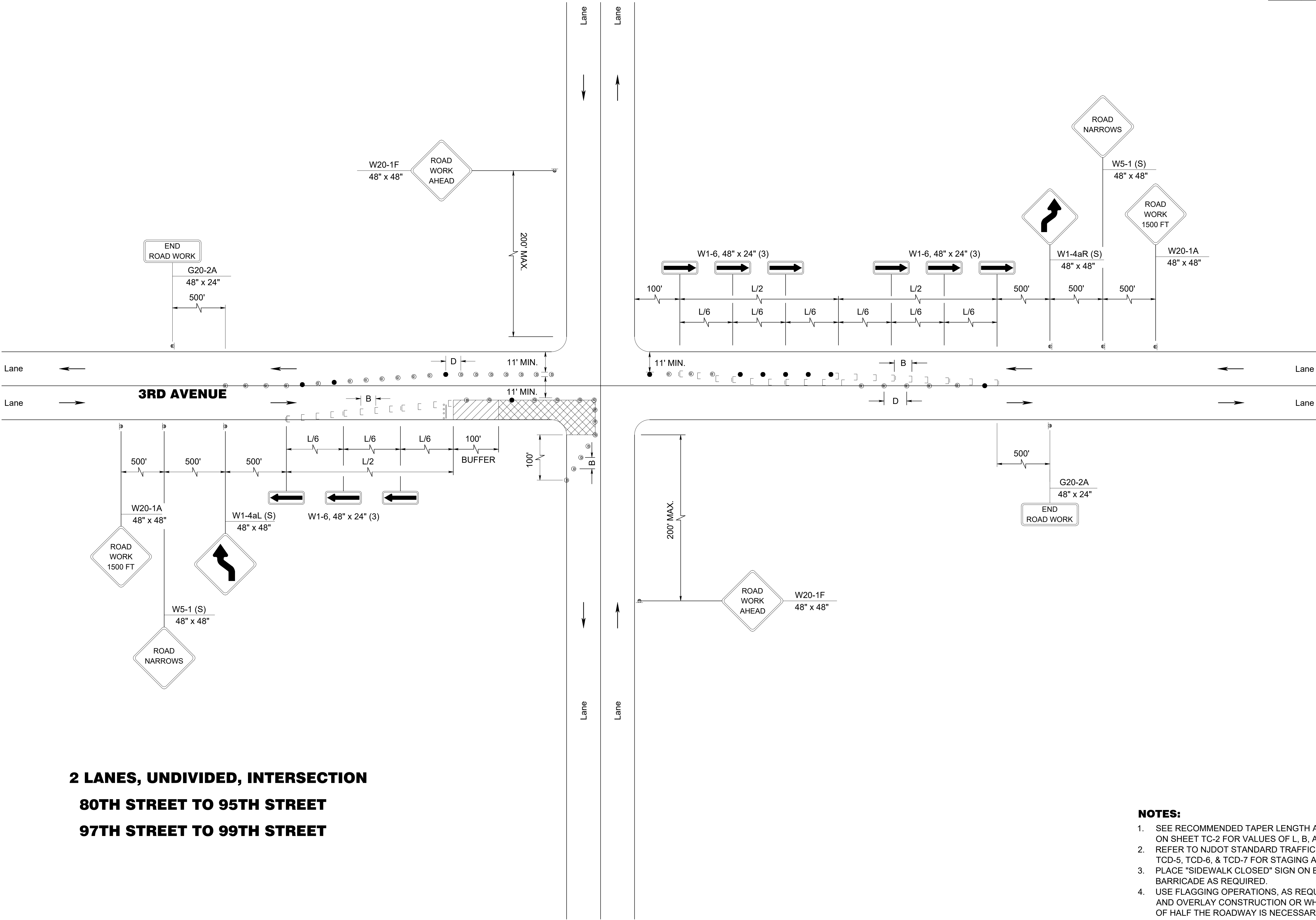
NOTES:

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.

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	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

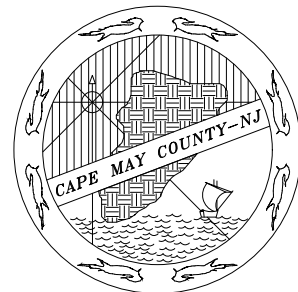
STATION 48+00 TO 55+00

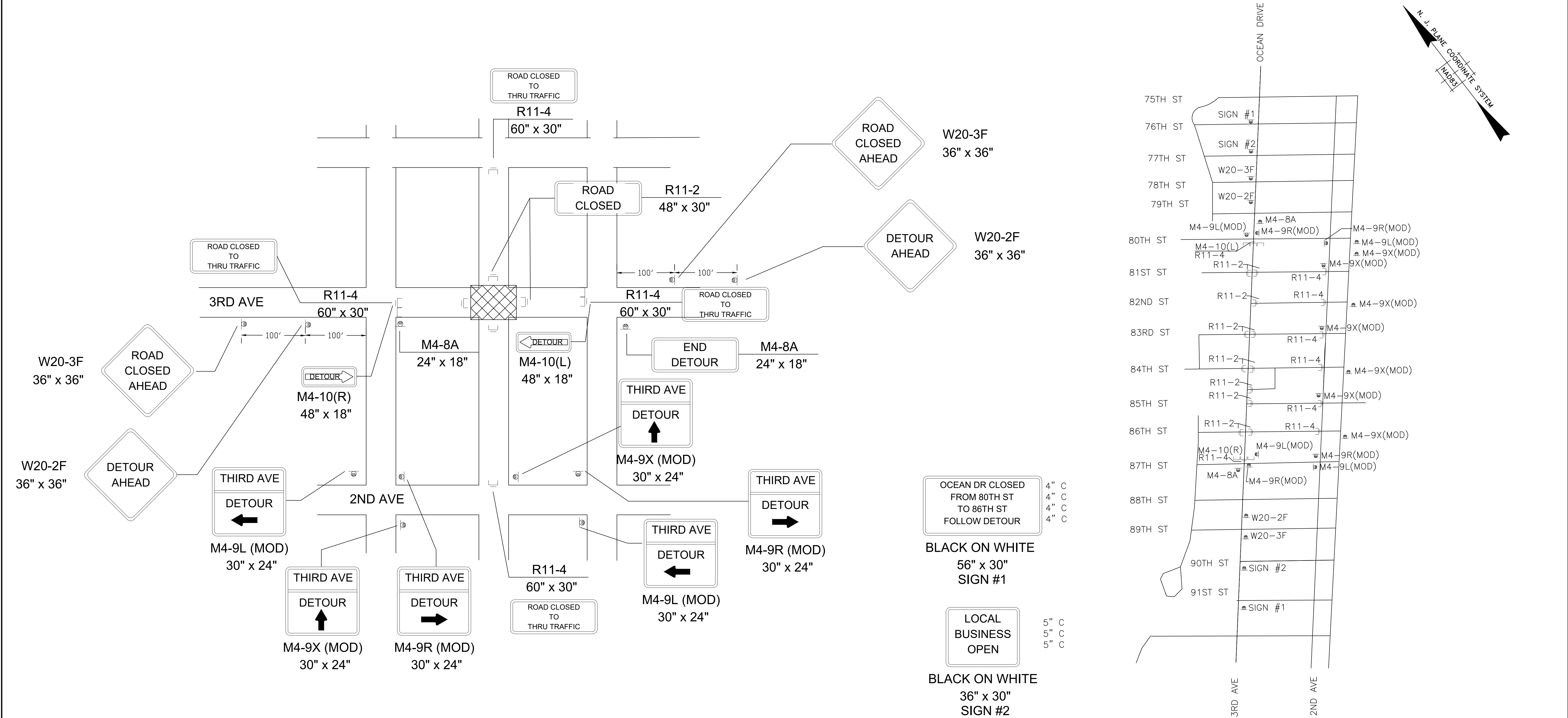
				RESURFACING OF THIRD AVENUE (CR 619)	GRADING AND UTILITY PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 28 OF 52
							APPROVED: _____ DATE 04-2023
							MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	G-6		



2 LANES, UNDIVIDED, INTERSECTION
80TH STREET TO 95TH STREET
97TH STREET TO 99TH STREET

- NOTES:**
- 1. SEE RECOMMENDED TAPER LENGTH AND SPACING TABLE ON SHEET TC-2 FOR VALUES OF L, B, AND D.
 - 2. REFER TO NJDOT STANDARD TRAFFIC CONTROL DETAILS TCD-5, TCD-6, & TCD-7 FOR STAGING AT 96TH STREET.
 - 3. PLACE "SIDEWALK CLOSED" SIGN ON BREAKAWAY BARRICADE AS REQUIRED.
 - 4. USE FLAGGING OPERATIONS, AS REQUIRED, FOR MILLING AND OVERLAY CONSTRUCTION OR WHEREVER CLOSURE OF HALF THE ROADWAY IS NECESSARY.

				RESURFACING OF THIRD AVENUE (CR 619)	MAINTENANCE AND PROTECTION OF TRAFFIC		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC	APRIL 2023	SCALE:	SHEET 32 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	TC-4		APPROVED: _____		04-2023	
BY	REVISION	CHK.	DATE				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		



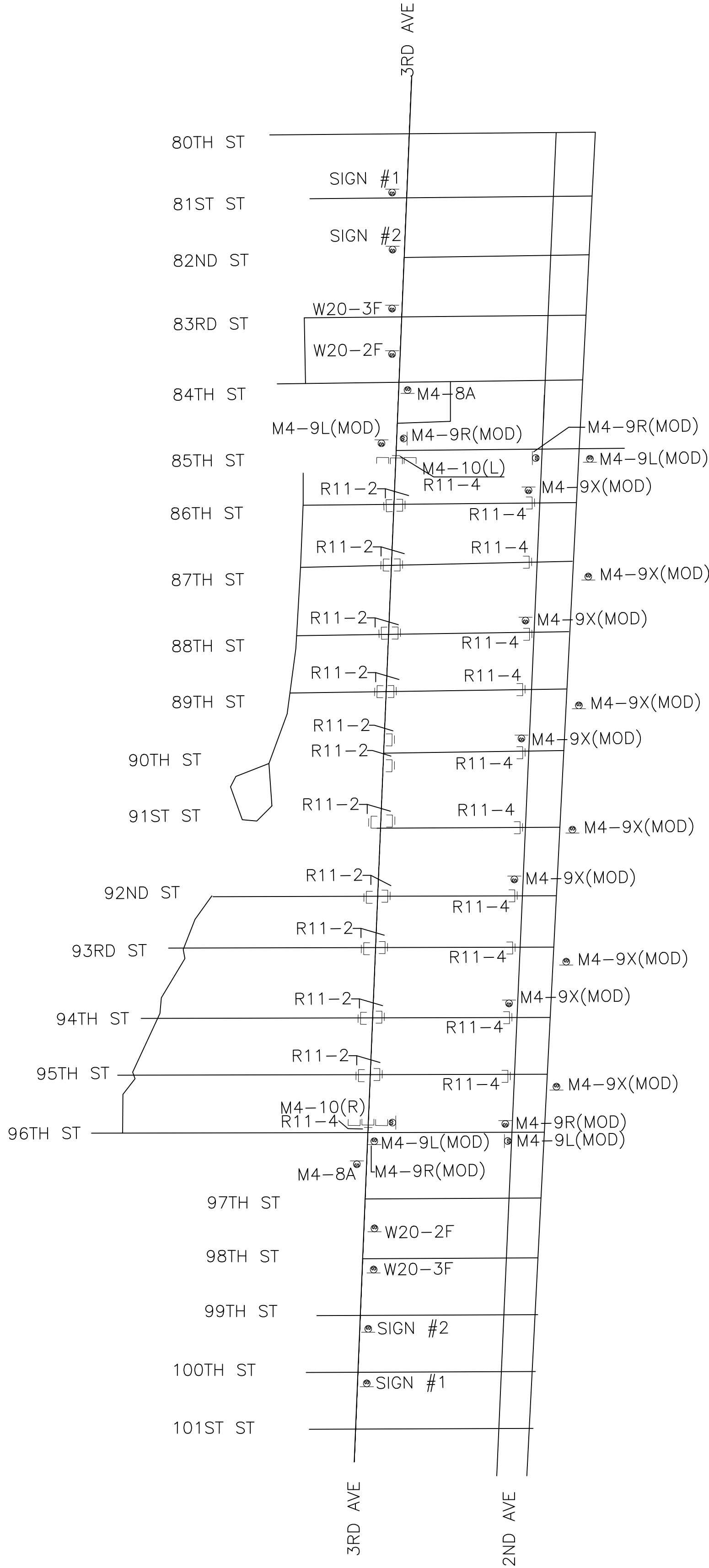
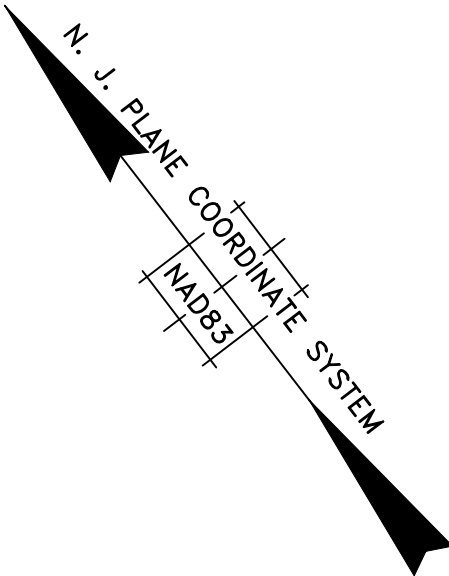
SINGLE BLOCK DETOUR

PHASE 1 DETOUR PLAN

WORK ZONE: 3RD AVE, BETWEEN 80TH ST AND 86TH 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.

				RESURFACING OF THIRD AVENUE (CR 619)	MAINTENANCE AND PROTECTION OF TRAFFIC		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER	
							DRAWN BY: JC	APRIL 2023
							SCALE:	SHEET 33 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	TC-5		APPROVED: 04-2023	
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL, P.E.	



PHASE 2A DETOUR PLAN

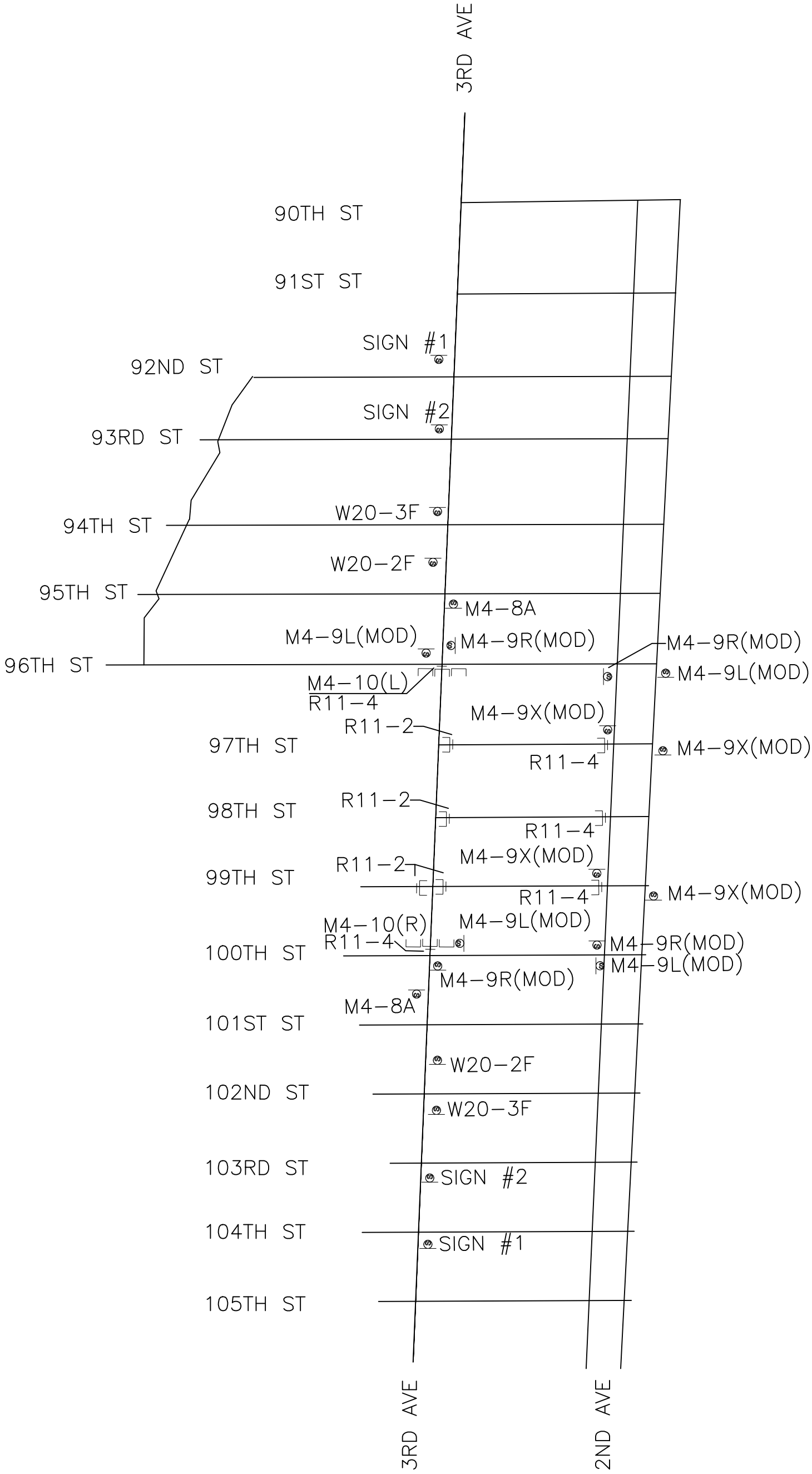
WORK ZONE: 3RD AVE, BETWEEN 86TH ST AND 96TH ST

OCEAN DR CLOSED
FROM 86TH ST
TO 96TH ST
FOLLOW DETOUR

BLACK ON WHITE
56" x 30"
SIGN #1

LOCAL
BUSINESS
OPEN

BLACK ON WHITE
36" x 30"
SIGN #2



PHASE 2B DETOUR PLAN

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

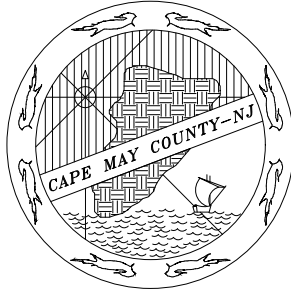
OCEAN DR CLOSED
FROM 96TH ST
TO 99TH ST
FOLLOW DETOUR

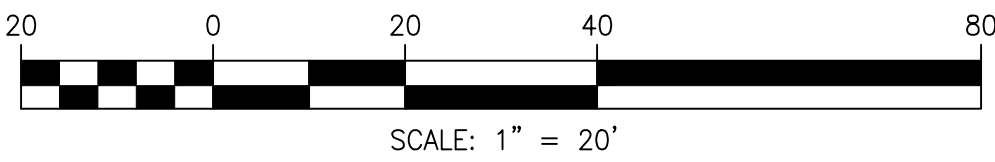
BLACK ON WHITE
56" x 30"
SIGN #1

LOCAL
BUSINESS
OPEN

BLACK ON WHITE
36" x 30"
SIGN #2

- 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.

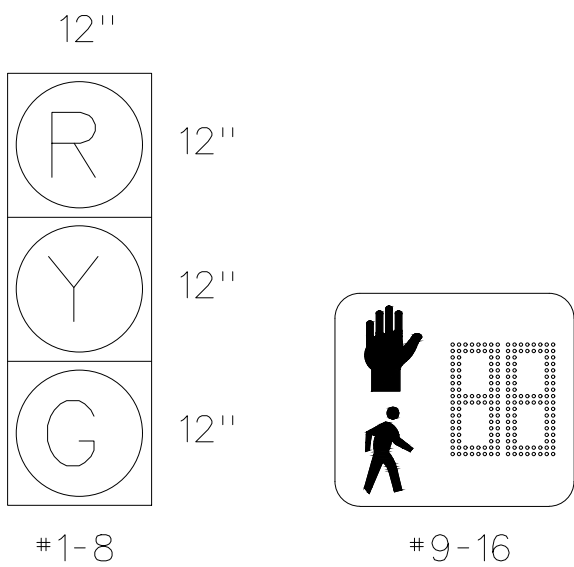
				RESURFACING OF THIRD AVENUE (CR 619)	MAINTENANCE AND PROTECTION OF TRAFFIC		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER		
							DRAWN BY: JC	APRIL 2023	SCALE: SHEET 34 OF 52
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	TC-6		APPROVED: 04-2023		
							NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE		
BY	REVISION	CHK.	DATE				MICHAEL P. O'DONNELL, P.E.		



STATE	FEDERAL PROJECT NO.
N.J.	STBGP-0619(343)

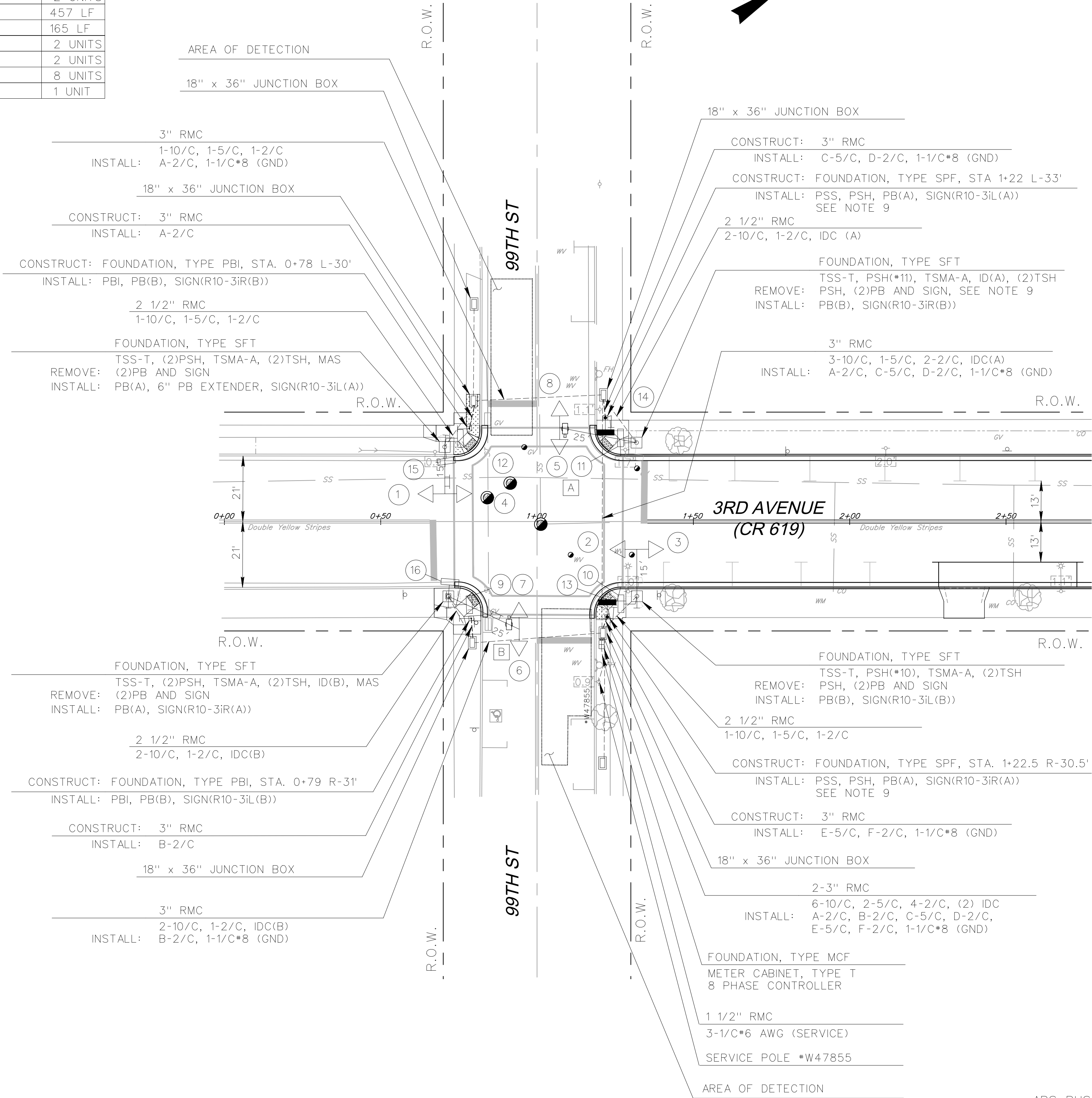
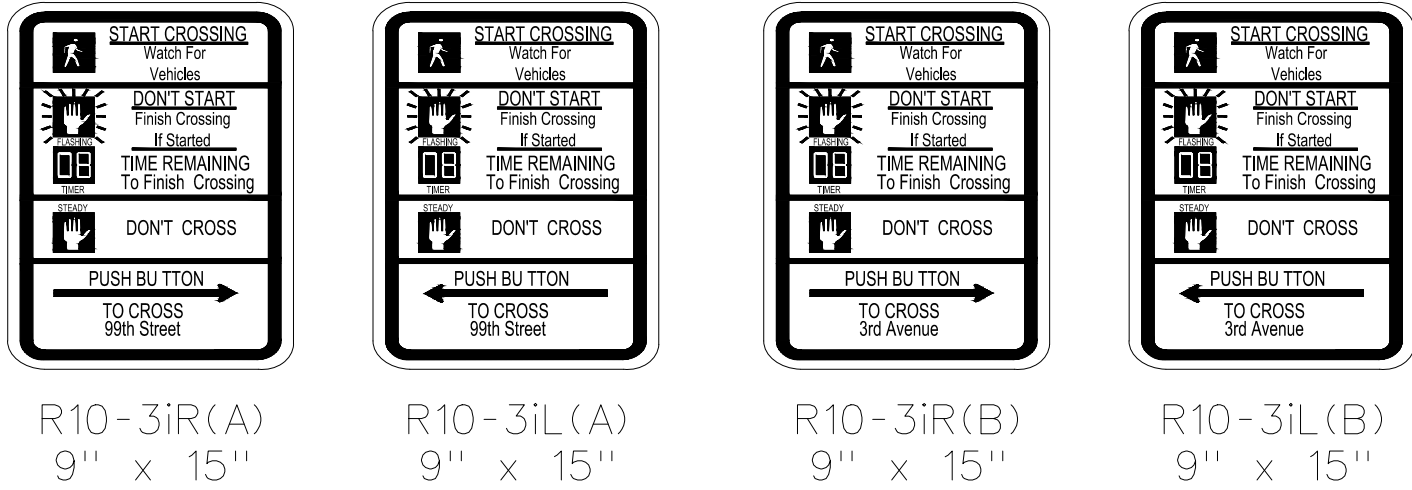
ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
701021P	3" RIGID METALLIC CONDUIT	28 LF
701135M	FOUNDATION, TYPE SPF	2 UNITS
701192P	GROUND WIRE, NO. 8 AWG	269 LF
702018M	PEDESTRIAN SIGNAL STANDARD	2 UNITS
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	457 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	165 LF
702038M	PUSH BUTTON INSTALLATION	2 UNITS
702039M	PEDESTRIAN SIGNAL HEAD	2 UNITS
702041M	PUSH BUTTON ASSEMBLIES, TYPE APS	8 UNITS
702060M	CONTROLLER TURN-ON	1 UNIT

SIGNAL FACES



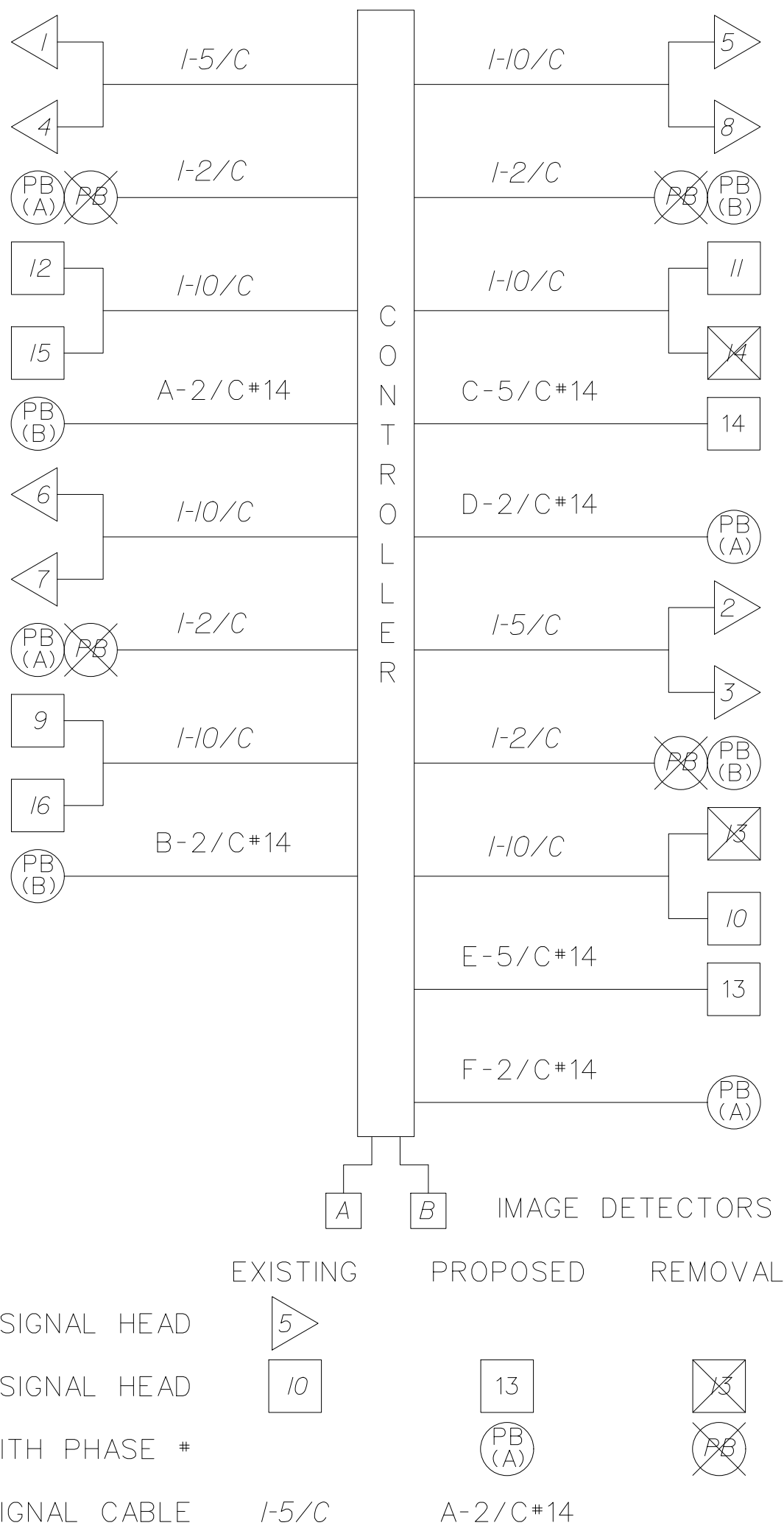
- SIGNAL HEADS NO. 1-8 ARE RIGID MOUNTED.
- ADJUST ALL VEHICULAR SIGNAL HEADS TO MAINTAIN MIN. 15'-6" VERTICAL CLEARANCE TO THE PROPOSED ROADWAY PAVEMENT ELEVATIONS AS NEEDED.


SIGN DETAILS

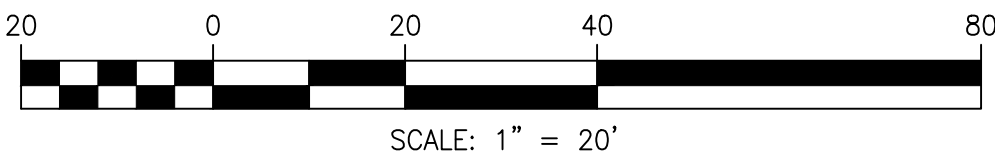


- CONSTRUCTION NOTES:
- FOLLOW NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) 2007 ELECTRICAL BUREAU STANDARD, 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CAPE MAY COUNTY STANDARDS, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE FOR ALL MATERIAL AND INSTALLATION PROCEDURES.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT INFORMATION IS OBTAINED FROM THE AS-BUILT DRAWINGS. CONTRACTOR TO PERFORM FIELD VERIFICATION PRIOR TO ANY CONSTRUCTION WORK.
 - 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.
 - INSTALL PEDESTRIAN PUSH BUTTON WITHIN A MAXIMUM OF 10" REACHABLE DISTANCE FROM ADJACENT PEDESTRIAN RAMP LANDING AREA/SIDEWALK IN COMPLIANCE WITH ADA REQUIREMENTS AND MUTCD STANDARDS. ALL PUSH BUTTONS ARE TYPE APS AND TO BE ADA COMPLIANT.
 - INSTALL GROUND WIRES CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM.
 - COORDINATE WITH THE COUNTY OF CAPE MAY AND UTILITY COMPANY TO ENSURE THE INTERSECTION IS ILLUMINATED PROPERLY.
 - COORDINATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT WITH THE EXISTING TRAFFIC SIGNAL REMOVAL TO MAINTAIN TRAFFIC SIGNAL OPERATION DURING CONSTRUCTION.
 - MAINTAIN EXISTING CONDUITS, CABLES, AND CONTROLLER CABINET.
 - RELOCATE THE EXISTING COUNTDOWN TYPE PEDESTRIAN SIGNAL HEAD FOR CROSSING 3rd AVENUE TO THE PROPOSED PEDESTRIAN SIGNAL STANDARD (PSS), THE COST OF RELOCATION IS PAID UNDER ITEM PEDESTRIAN SIGNAL HEAD. COVER ALL HOLES ON THE TRAFFIC SIGNAL POLE FOR THE REMOVED EQUIPMENT.
 - ALL CROSSWALK STRIPING IS HIGH VISIBILITY TYPE, SEE SIGNING AND STRIPING PLANS FOR DETAILS.

BLOCK WIRING DIAGRAM



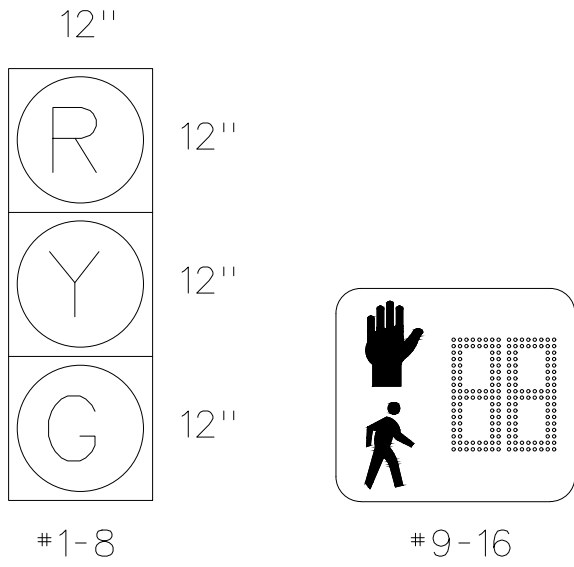
				RESURFACING OF THIRD AVENUE (CR 619)	ELECTRICAL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=20' SHEET 35 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	E-1		APPROVED: _____		04-2023 DATE	
BY	REVISION	CHK.	DATE				NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700		MICHAEL P. O'DONNELL, P.E.	



STATE	FEDERAL PROJECT NO.
N.J.	STBGP-0619(343)

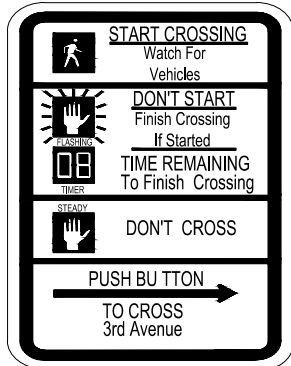
ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
701021P	3" RIGID METALLIC CONDUIT	16 LF
701135M	FOUNDATION, TYPE SPF	2 UNITS
701192P	GROUND WIRE, NO. 8 AWG	324 LF
702018M	PEDESTRIAN SIGNAL STANDARD	2 UNITS
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	228 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	456 LF
702039M	PEDESTRIAN SIGNAL HEAD	4 UNITS
702041M	PUSH BUTTON ASSEMBLIES, TYPE APS	4 UNITS
702045M	IMAGE DETECTOR	2 UNITS
702060M	CONTROLLER TURN-ON	1 UNIT

SIGNAL FACES

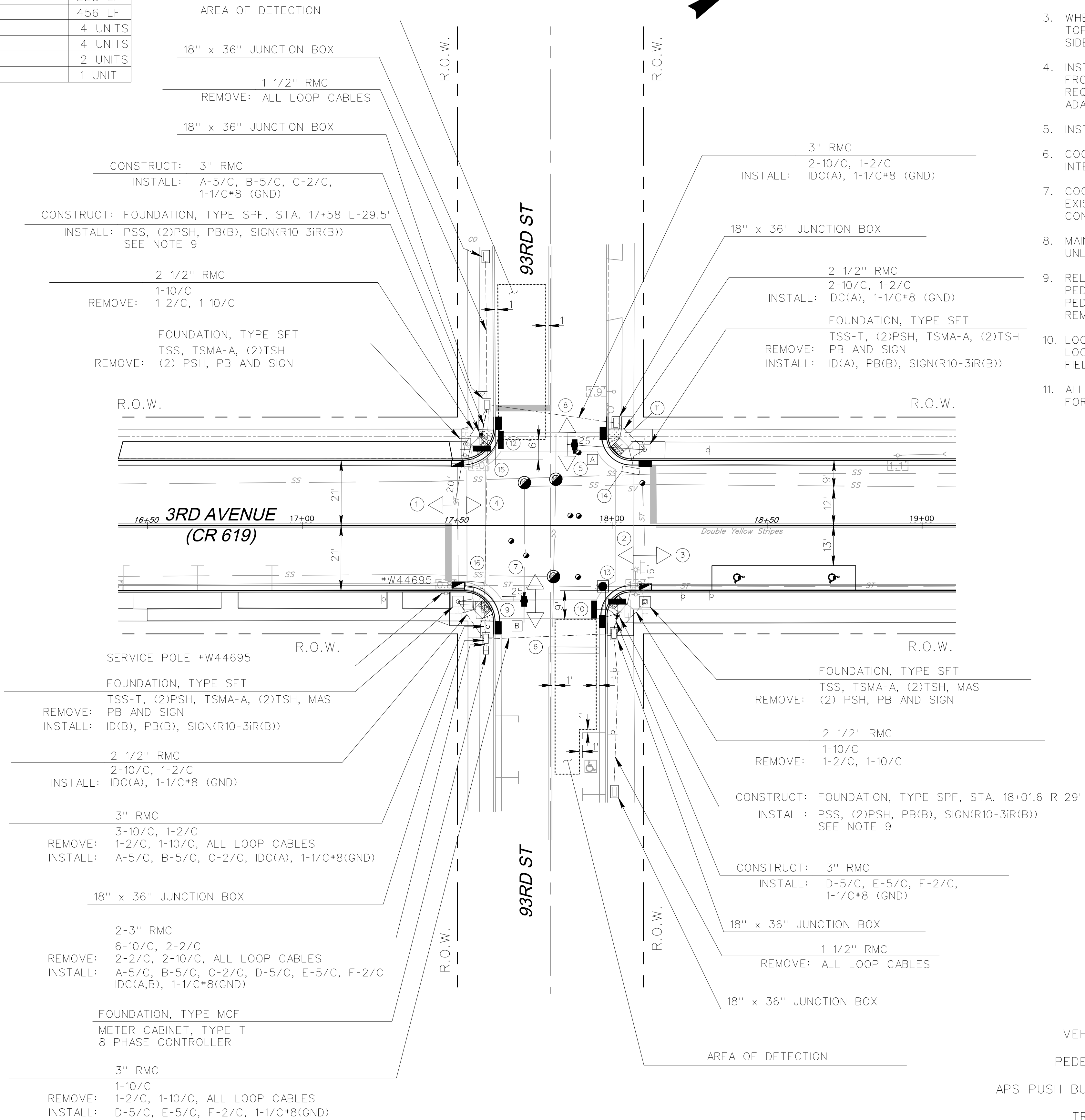


1. SIGNAL HEADS NO. 5-8 ARE RIGID MOUNTED.
2. ADJUST ALL VEHICULAR SIGNAL HEADS TO MAINTAIN MIN. 15'-6" VERTICAL CLEARANCE TO THE PROPOSED ROADWAY PAVEMENT ELEVATIONS AS NEEDED.

SIGN DETAILS

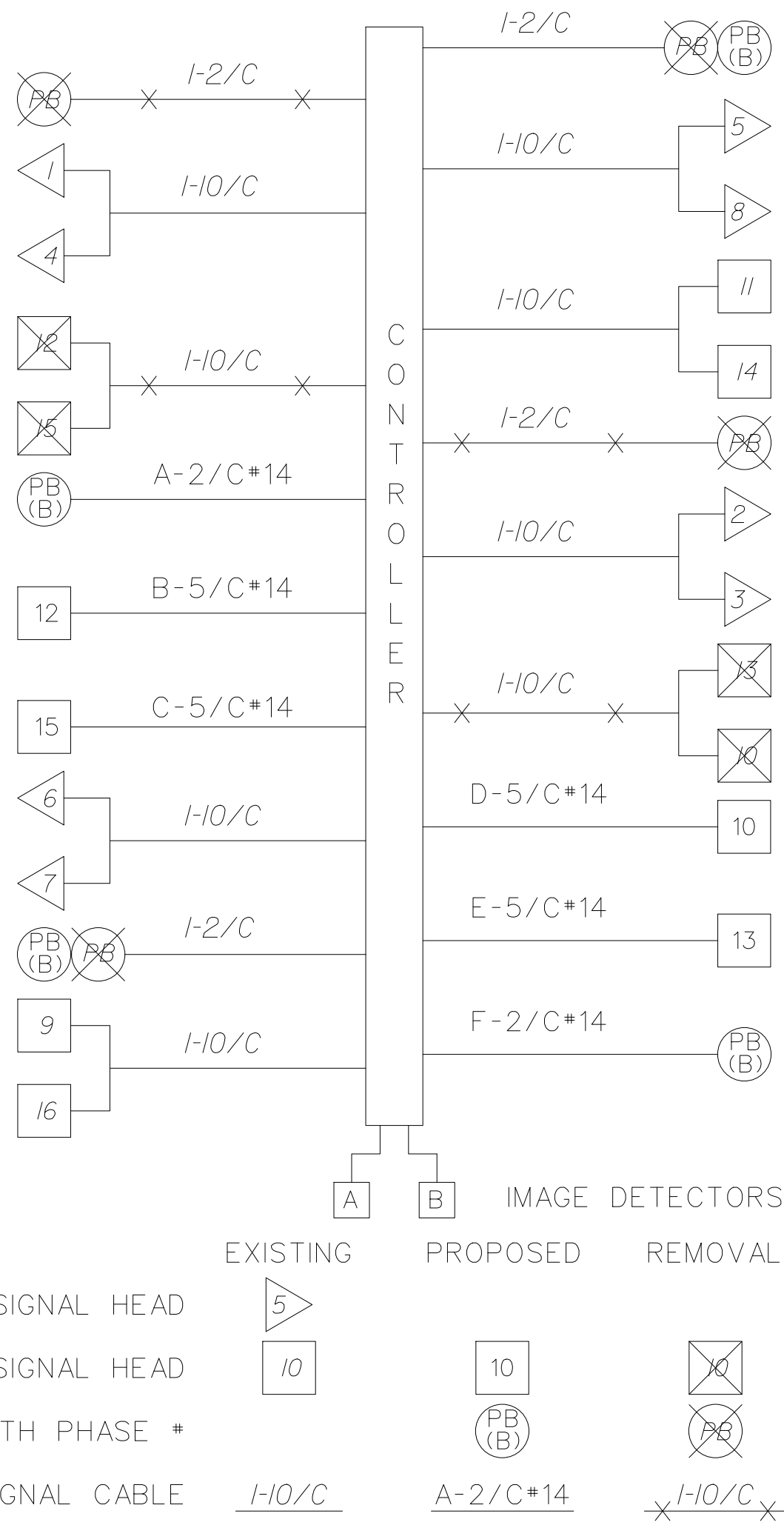



R10-3iR(B)
9" x 15"

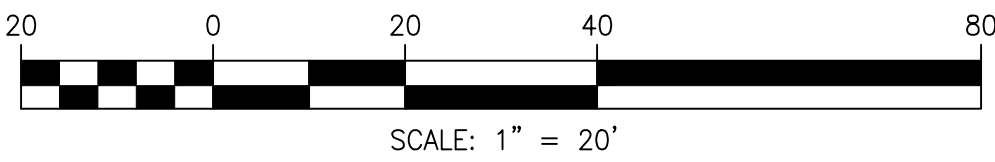


- CONSTRUCTION NOTES:
1. FOLLOW NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) 2007 ELECTRICAL BUREAU STANDARD, 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CAPE MAY COUNTY STANDARDS, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE FOR ALL MATERIAL AND INSTALLATION PROCEDURES.
 2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT INFORMATION IS OBTAINED FROM THE AS-BUILT DRAWINGS. CONTRACTOR TO PERFORM FIELD VERIFICATION PRIOR TO ANY CONSTRUCTION WORK. ABANDON ALL EXISTING LOOP DETECTORS AND REMOVE THE DETECTOR CABLES.
 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. INSTALL PEDESTRIAN PUSH BUTTON WITHIN A MAXIMUM OF 10" REACHABLE DISTANCE FROM ADJACENT PEDESTRIAN RAMP LANDING AREA/SIDEWALK IN COMPLIANCE WITH ADA REQUIREMENTS AND MUTCD STANDARDS. ALL PUSH BUTTONS ARE TYPE APS AND TO BE ADA COMPLIANT.
 5. INSTALL GROUND WIRES CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM.
 6. COORDINATE WITH 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 EXISTING CONDUITS, CABLES, CONTROLLER CABINET, AND ELECTRICAL SERVICE UNLESS OTHERWISE NOTED ON THE PLAN.
 9. RELOCATE THE EXISTING COUNTDOWN TYPE PEDESTRIAN SIGNAL HEAD TO THE PROPOSED PEDESTRIAN SIGNAL STANDARD (PSS), THE COST OF RELOCATION IS PAID UNDER ITEM PEDESTRIAN SIGNAL HEAD. COVER ALL HOLES ON THE TRAFFIC SIGNAL POLES FOR THE REMOVED EQUIPMENT.
 10. LOCATIONS OF IMAGE DETECTORS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS ARE TO BE SELECTED BY THE MANUFACTURER REPRESENTATIVES IN THE FIELD FOR THE OPTIMUM RESULT AT THE DETECTION AREAS SHOWN ON THE PLAN.
 11. ALL CROSSWALK STRIPING IS HIGH VISIBILITY TYPE, SEE SIGNING AND STRIPING PLANS FOR DETAILS.

BLOCK WIRING DIAGRAM

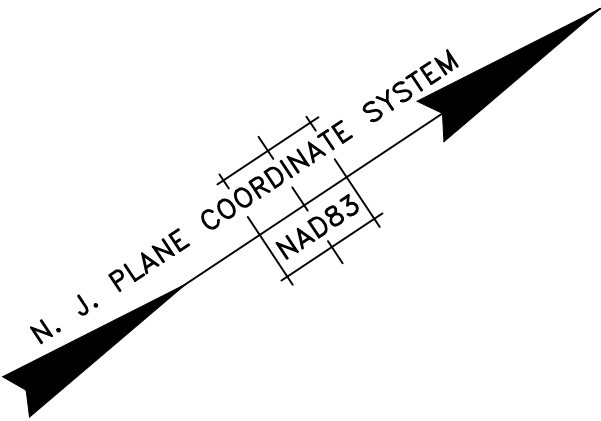


				RESURFACING OF THIRD AVENUE (CR 619)	ELECTRICAL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER					
									DRAWN BY: JC	APRIL 2023	SCALE: 1"=20'	SHEET 36 OF 52
									APPROVED:		04-2023	
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	E-2			NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO.24GE003994700 DATE				
							MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA28064600					



STATE	FEDERAL PROJECT NO.
N.J.	STBGP-0619(343)

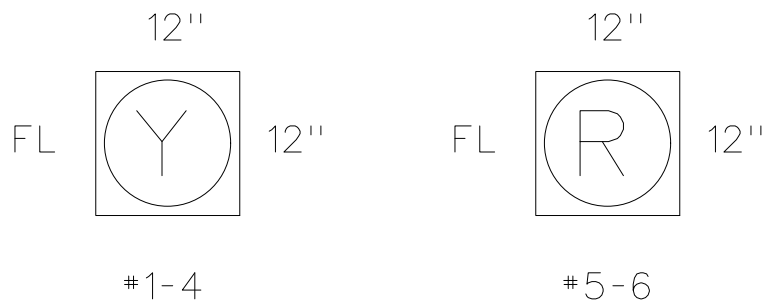
ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
201003P	CLEARING SITE	LUMP SUM
701021P	3" RIGID METALLIC CONDUIT	148 LF
701099M	17" X 30" JUNCTION BOX	3 UNITS
701144M	FOUNDATION, TYPE SFK	2 UNITS
701192P	GROUND WIRE, NO. 8 AWG	216 LF
702012M	TRAFFIC SIGNAL STANDARD, ALUMINUM	2 UNITS
702021M	TRAFFIC SIGNAL 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



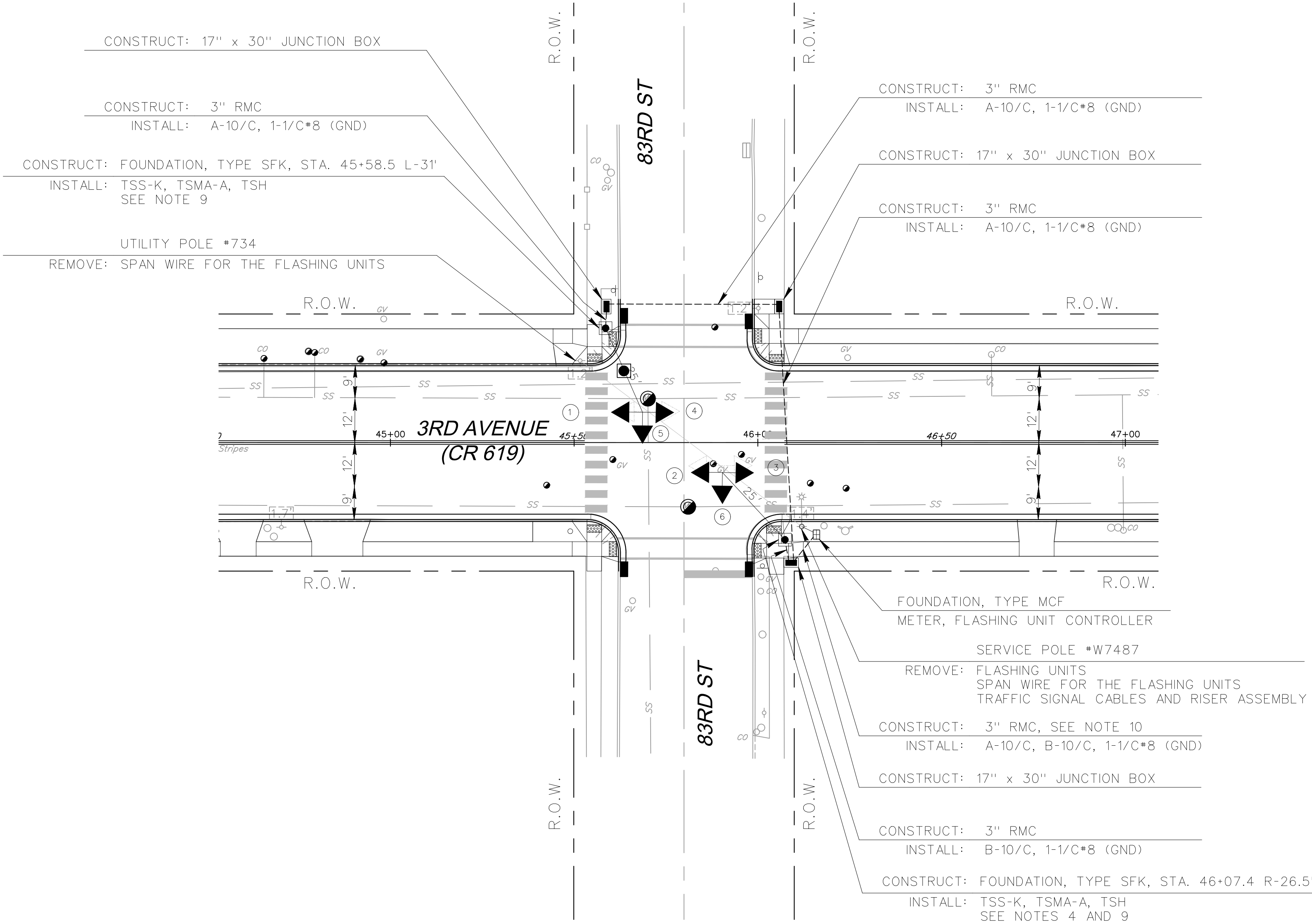
CONSTRUCTION NOTES:

- 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.
- 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.
- 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.
- 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.
- INSTALL GROUND WIRES CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM.
- COORDINATE WITH THE COUNTY OF CAPE MAY AND UTILITY COMPANY TO ENSURE THE INTERSECTION IS ILLUMINATED PROPERLY.
- COORDINATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT WITH THE EXISTING TRAFFIC SIGNAL REMOVAL TO MAINTAIN TRAFFIC SIGNAL OPERATION DURING CONSTRUCTION.
- MAINTAIN THE EXISTING CONTROLLER CABINET AND ELECTRICAL FEED.
- 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".
- CONNECT THE EXISTING TRAFFIC SIGNAL CABLE CONDUIT ENTRANCE FOR THE PROPOSE UNDERGROUND CONDUIT.
- ALL CROSSWALK STRIPING IS HIGH VISIBILITY TYPE, SEE SIGNING AND STRIPING PLANS FOR DETAILS.

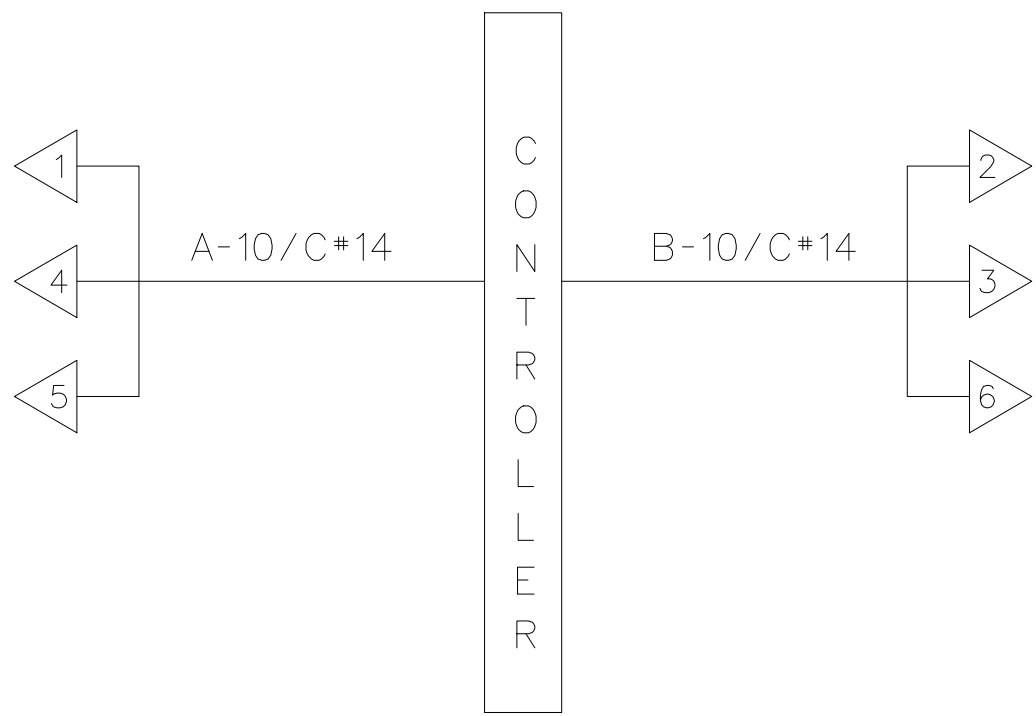
SIGNAL FACES



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



BLOCK WIRING DIAGRAM

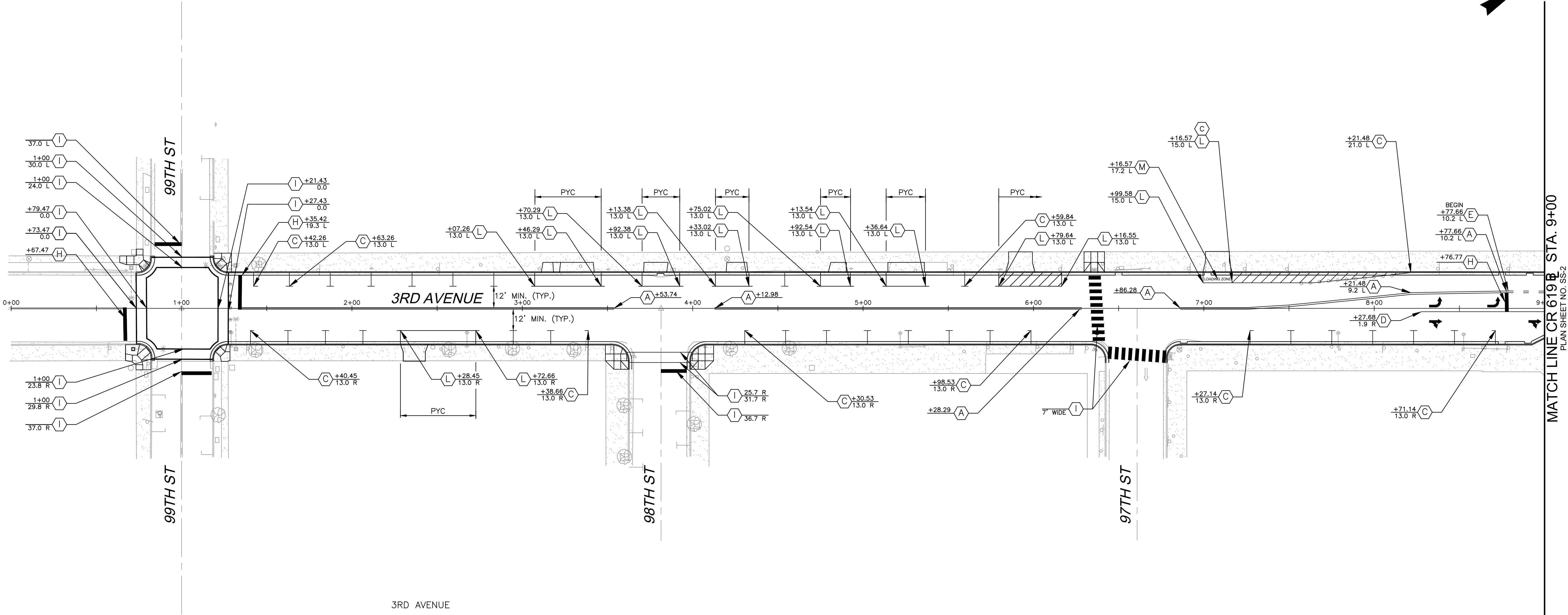
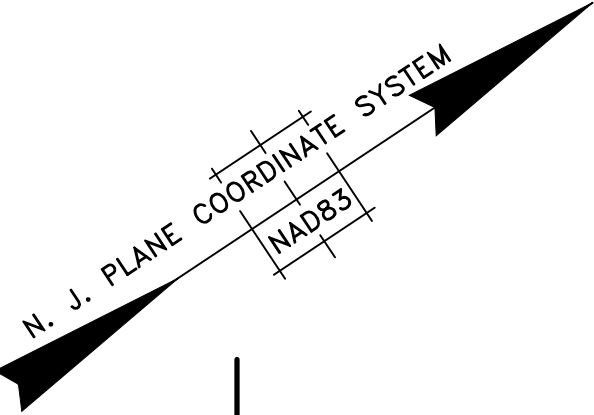
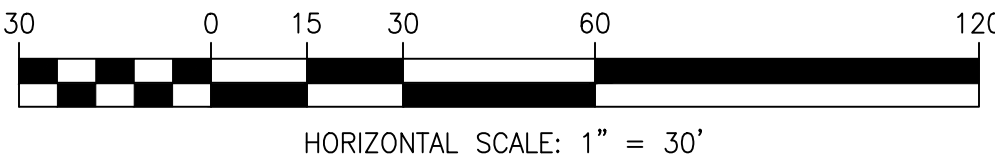


VEHICULAR SIGNAL HEAD
TRAFFIC SIGNAL CABLE

PROPOSED



				RESURFACING OF THIRD AVENUE (CR 619)	ELECTRICAL PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
							DRAWN BY: JC APRIL 2023 SCALE: 1"=20' SHEET 37 OF 52
							APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	E-3		MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864400



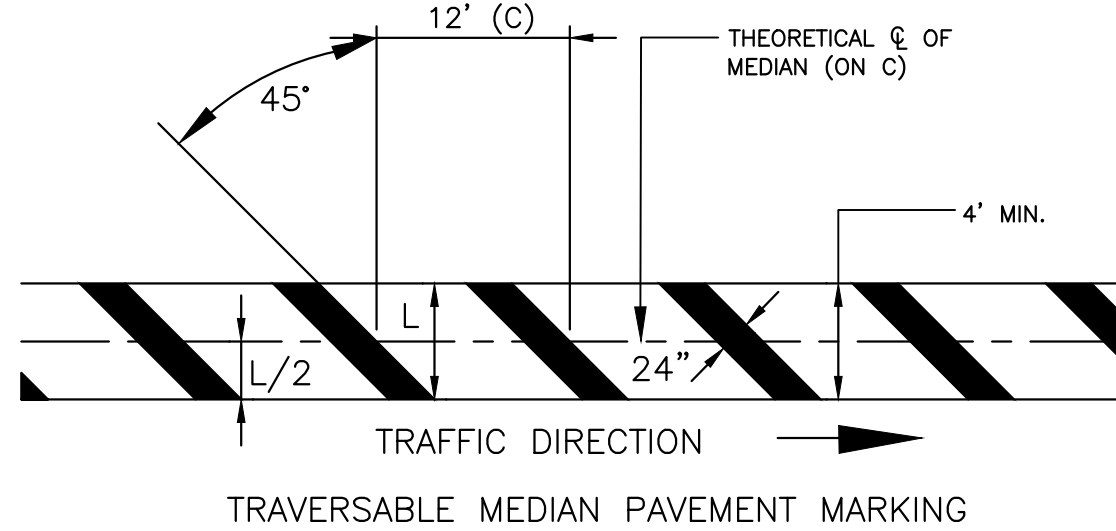
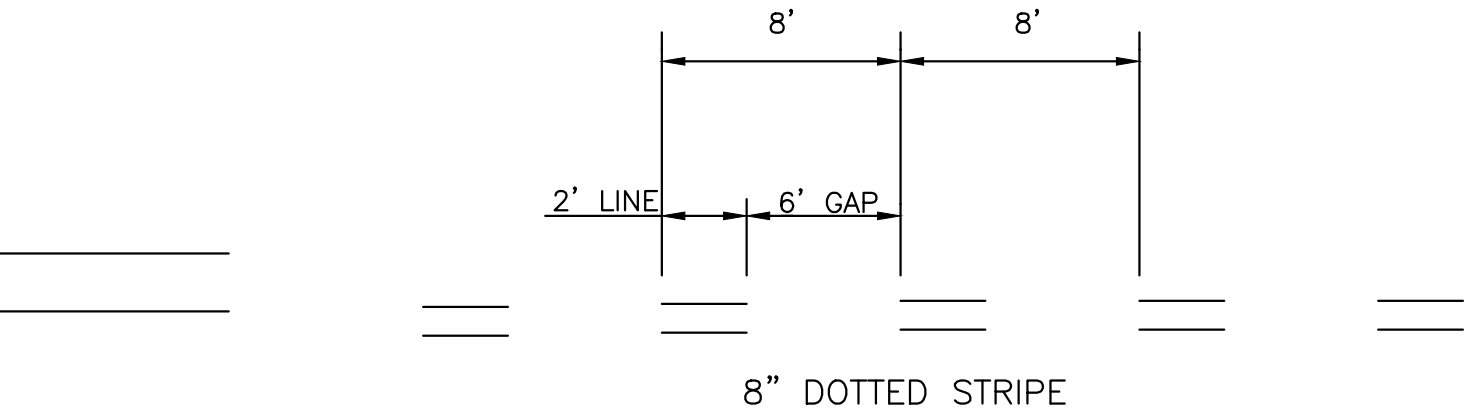
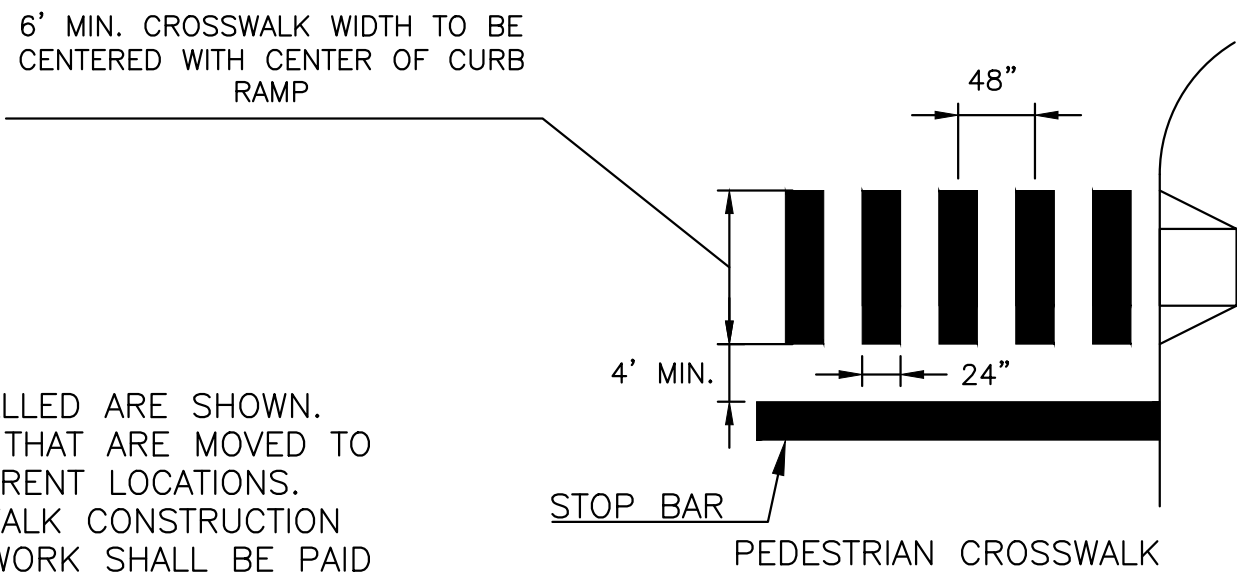
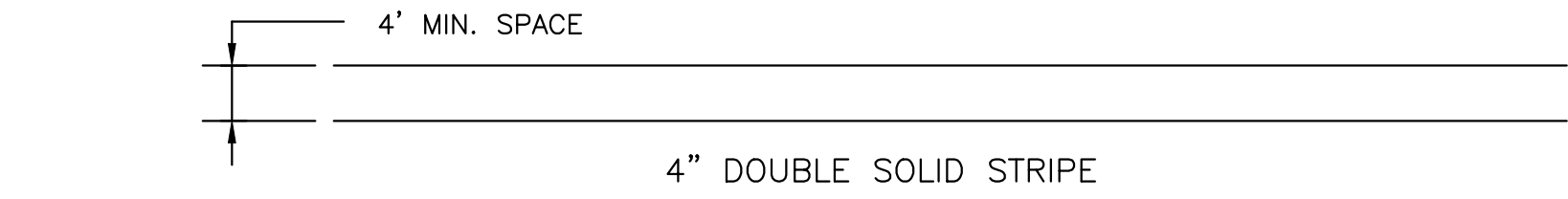
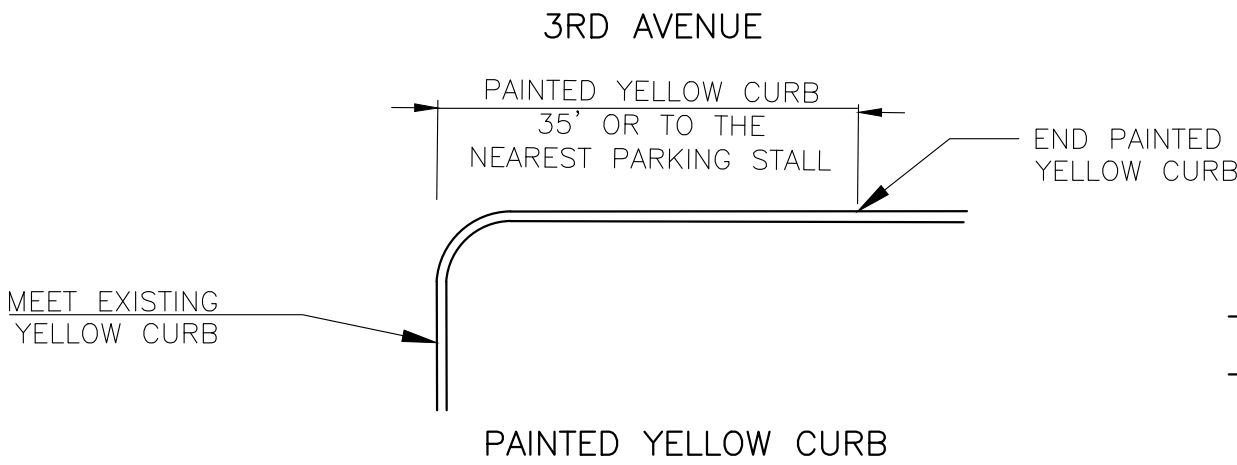
LEGEND

PYC PAINTED YELLOW CURB

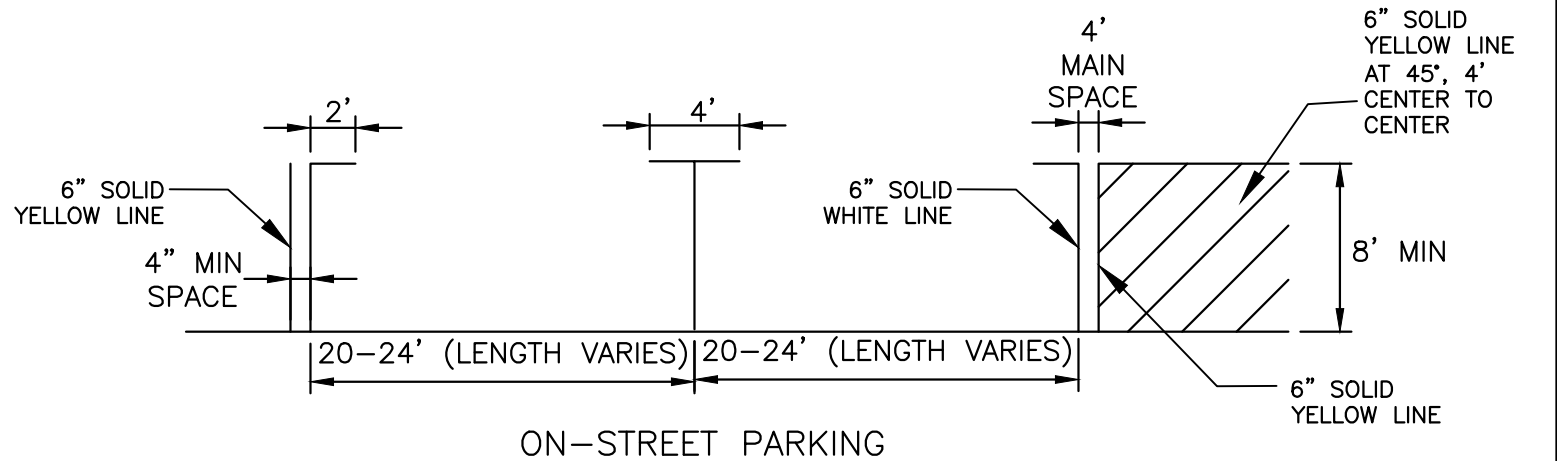
- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
- (C) 6" SOLID WHITE STRIPE
- (D) 8" SOLID WHITE STRIPE
- (E) 4" DOTTED YELLOW STRIPE, 2' LINE, 6" GAP
- (F) 8" DOTTED WHITE STRIPE, 2' LINE, 6" GAP
- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
- (H) 24" TRAFFIC MARKING, LINE (WHITE)
- (I) 12" TRAFFIC MARKING, LINE (WHITE)
- (J) TRAFFIC MARKING, SYMBOL (WHITE)
- (K) 6" SOLID BLUE STRIPE
- (L) 6" SOLID YELLOW STRIPE
- (M) TRAFFIC MARKING, SYMBOL (YELLOW)

NOTES:

- ONLY SIGNS THAT ARE TO BE REMOVED, RELOCATED OR INSTALLED ARE SHOWN. EXISTING SIGNS TO REMAIN ARE NOT SHOWN. EXISTING SIGNS THAT ARE MOVED TO ACCOMMODATE CONSTRUCTION SHALL BE RESET AT THEIR CURRENT LOCATIONS.
- ALL EXISTING SIGNS THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED, AND INSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE".
- CURB ALONG NO PARKING AREAS SHALL BE PAINTED YELLOW AS WELL AS CURB AT INTERSECTIONS. PAINTED YELLOW CURB AT INTERSECTIONS SHALL EXTEND 35' OR TO THE NEAREST PARKING STALL AS SHOWN IN THE DETAIL.




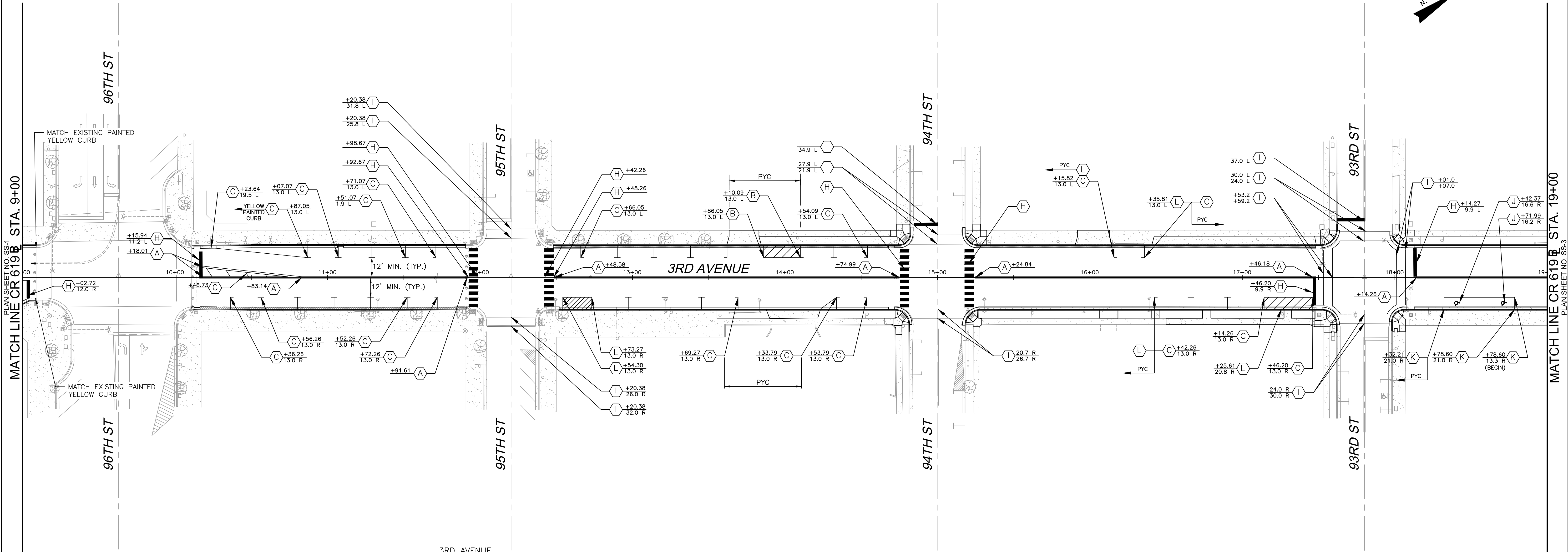
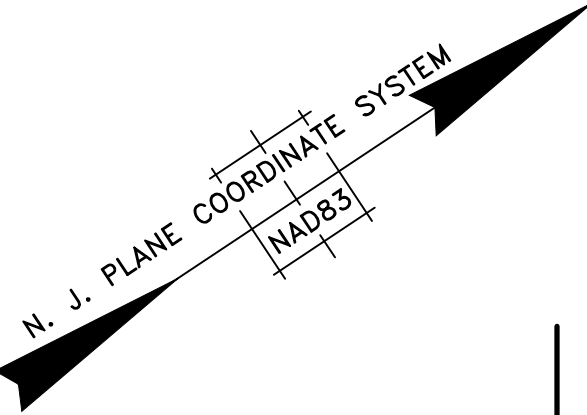
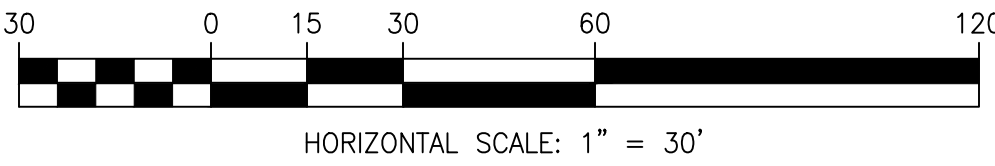
TYPICAL STRIPING DETAILS
NOT TO SCALE



ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
610003M	48	TRAFFIC STRIPES, 4"	LF	1272
610006M	49	TRAFFIC STRIPES, 6"	LF	1030
610007M	50	TRAFFIC STRIPES, 8"	LF	72
610016M	51	TRAFFIC MARKING LINES, 12"	LF	453
610017M	52	TRAFFIC MARKING LINES, 24"	LF	133
610060M	53	TRAFFIC MARKINGS SYMBOLS	SF	65

STATION 0+00 TO 9+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
									DRAWN BY: JC	APRIL 2023
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SS-1		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. 24GA2864600			
BY	REVISION	CHK.	DATE							



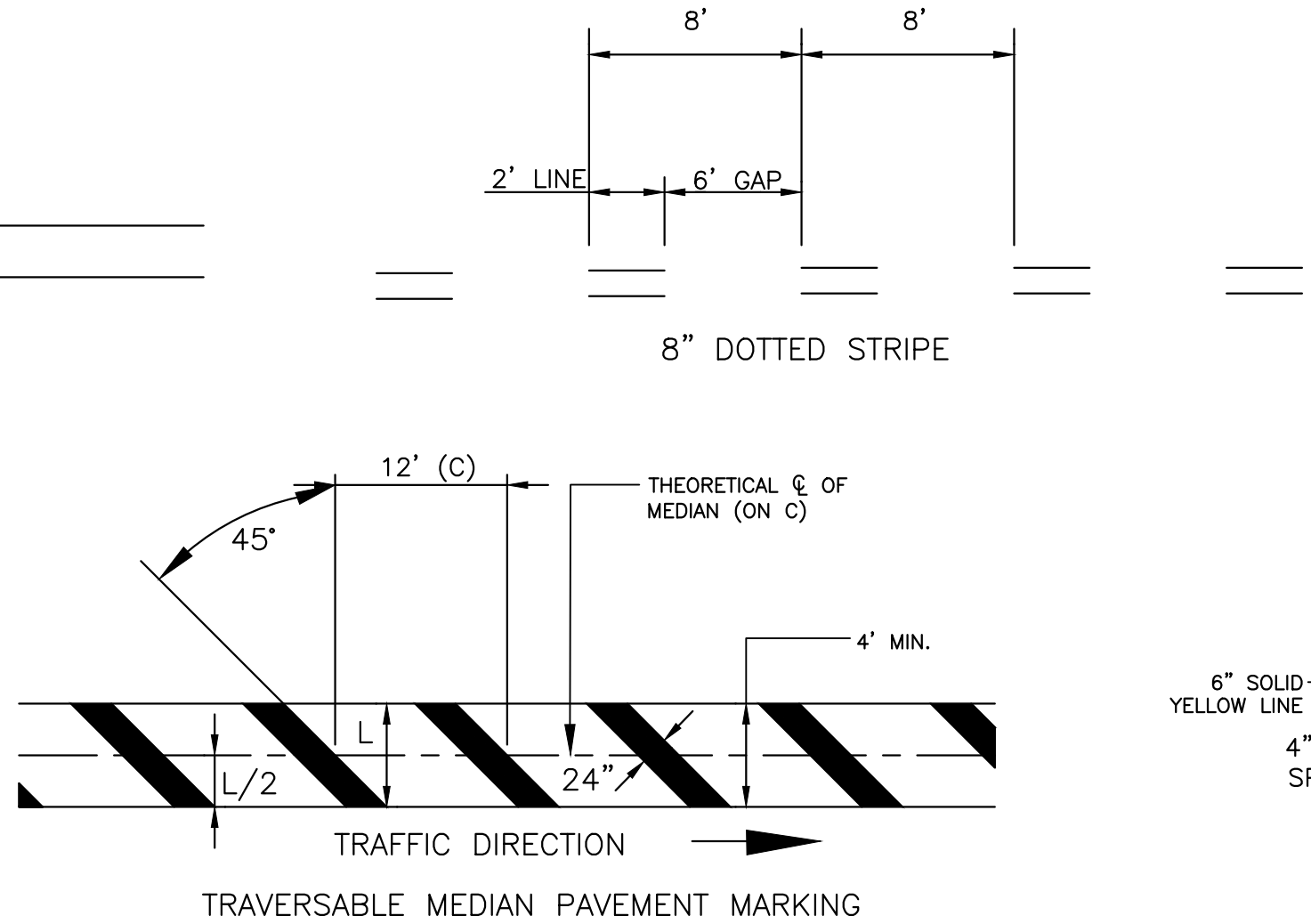
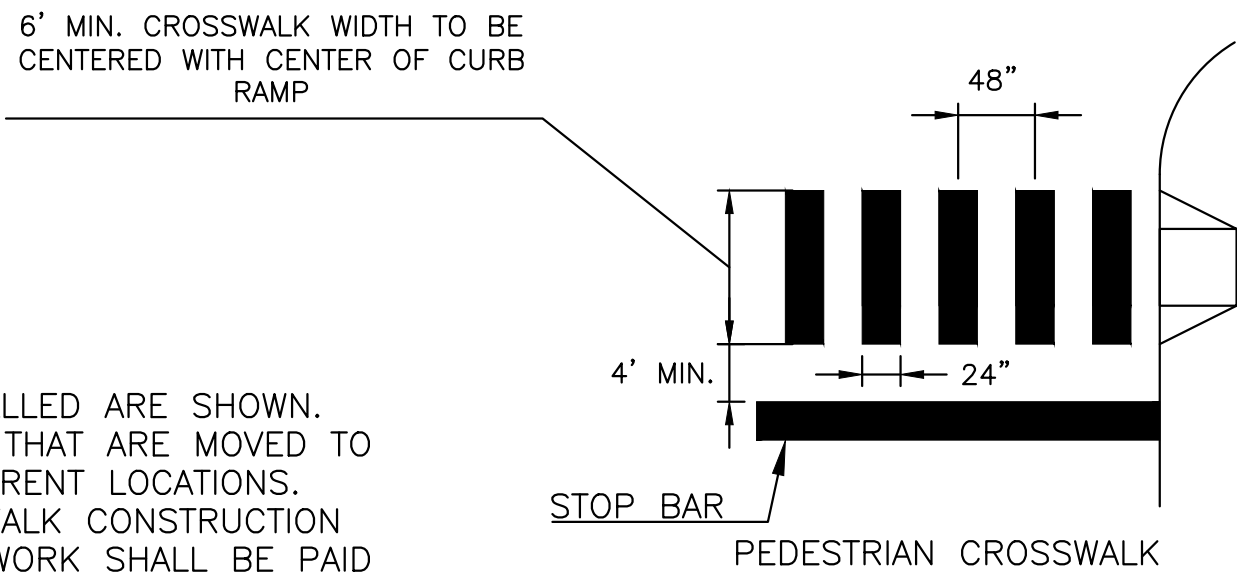
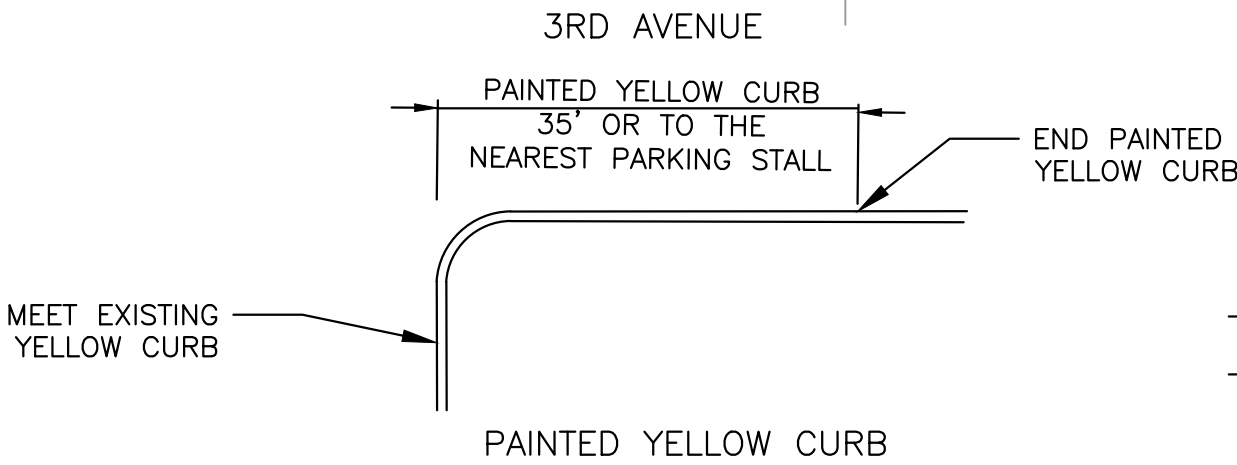
LEGEND

PYC PAINTED YELLOW CURB

- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
- (C) 6" SOLID WHITE STRIPE
- (D) 8" SOLID WHITE STRIPE
- (E) 4" DOTTED YELLOW STRIPE, 2' LINE, 6' GAP
- (F) 8" DOTTED WHITE STRIPE, 2' LINE, 6" GAP
- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
- (H) 24" TRAFFIC MARKING, LINE (WHITE)
- (I) 12" TRAFFIC MARKING, LINE (WHITE)
- (J) TRAFFIC MARKING, SYMBOL (WHITE)
- (K) 6" SOLID BLUE STRIPE
- (L) 6" SOLID YELLOW STRIPE
- (M) TRAFFIC MARKING, SYMBOL (YELLOW)

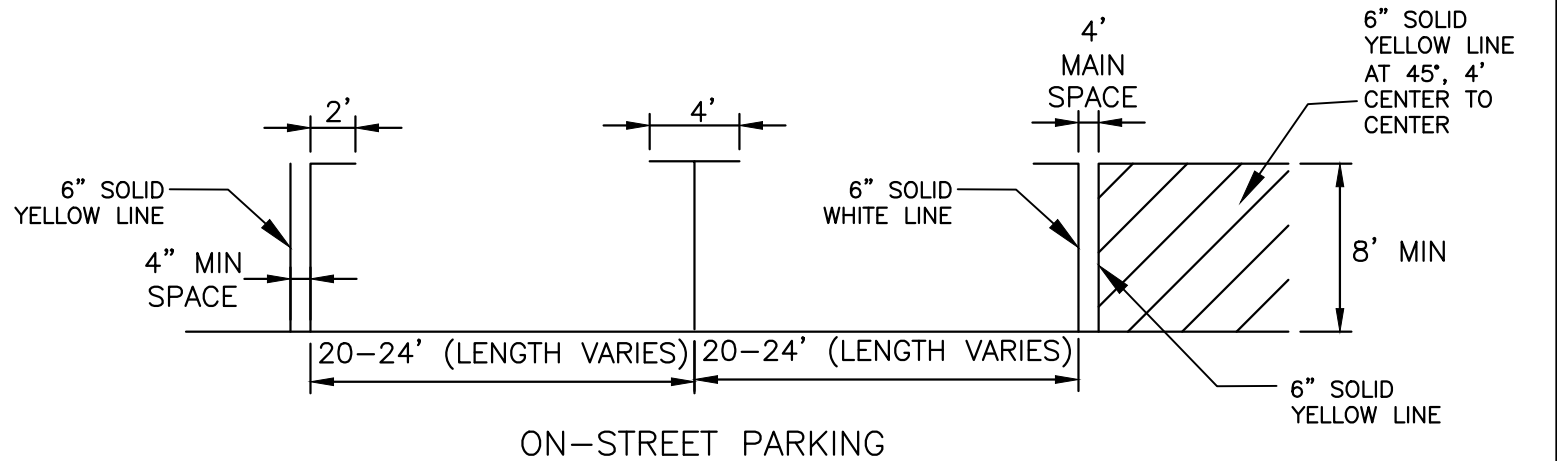
NOTES:

- ONLY SIGNS THAT ARE TO BE REMOVED, RELOCATED OR INSTALLED ARE SHOWN. EXISTING SIGNS TO REMAIN ARE NOT SHOWN. EXISTING SIGNS THAT ARE MOVED TO ACCOMMODATE CONSTRUCTION SHALL BE RESET AT THEIR CURRENT LOCATIONS.
- ALL EXISTING SIGNS THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED, AND INSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE".
- CURB ALONG NO PARKING AREAS SHALL BE PAINTED YELLOW AS WELL AS CURB AT INTERSECTIONS. PAINTED YELLOW CURB AT INTERSECTIONS SHALL EXTEND 35' OR TO THE NEAREST PARKING STALL AS SHOWN IN THE DETAIL.




TYPICAL STRIPING DETAILS
NOT TO SCALE

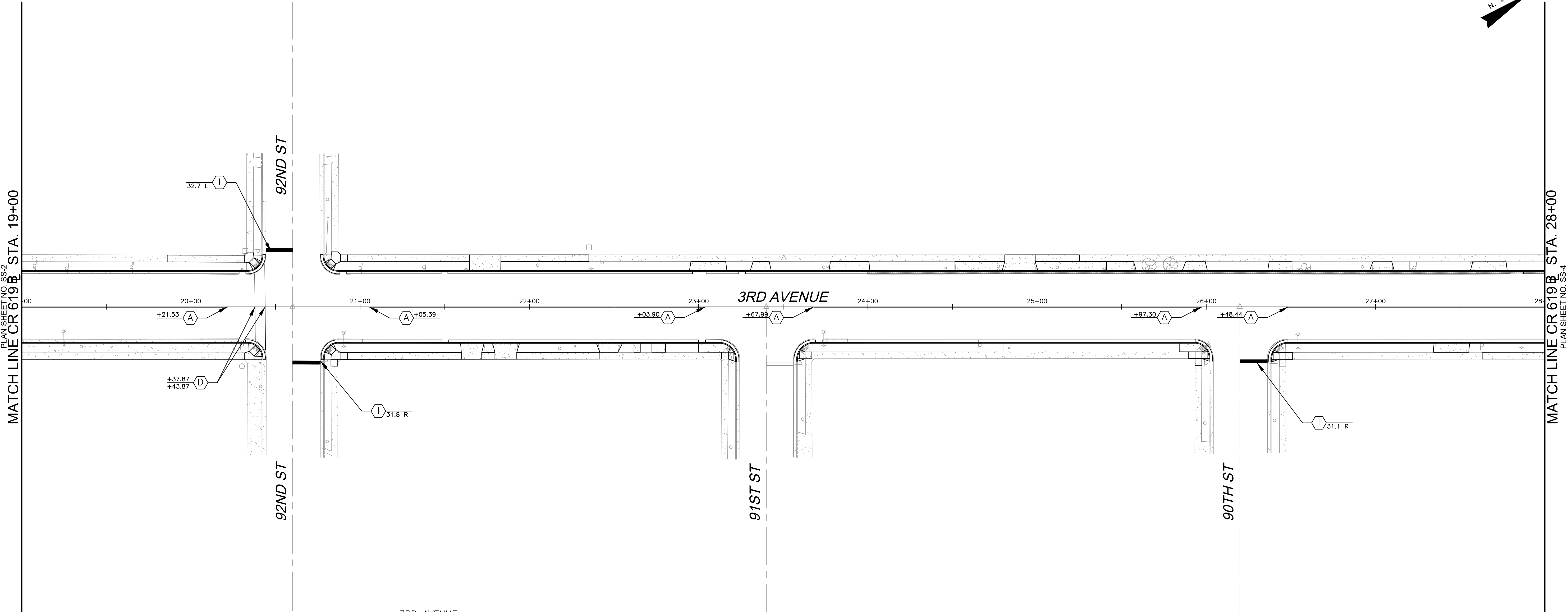
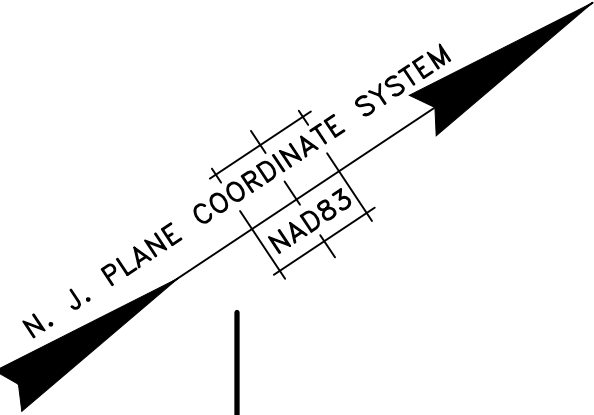
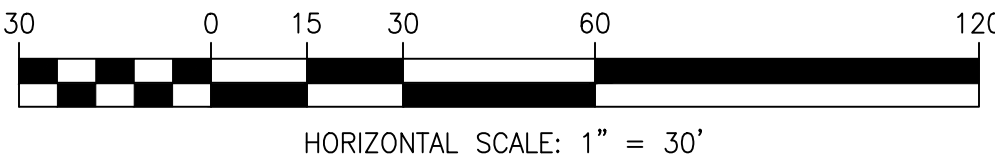
ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
610003M	48	TRAFFIC STRIPES, 4"	LF	1590
610006M	49	TRAFFIC STRIPES, 6"	LF	1030
610007M	50	TRAFFIC STRIPES, 8"	LF	5
610016M	51	TRAFFIC MARKING LINES, 12"	LF	633
610017M	52	TRAFFIC MARKING LINES, 24"	LF	360
610060M	53	TRAFFIC MARKINGS SYMBOLS	SF	6



ON-STREET PARKING

STATION 9+00 TO 19+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 39 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SS-2		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			



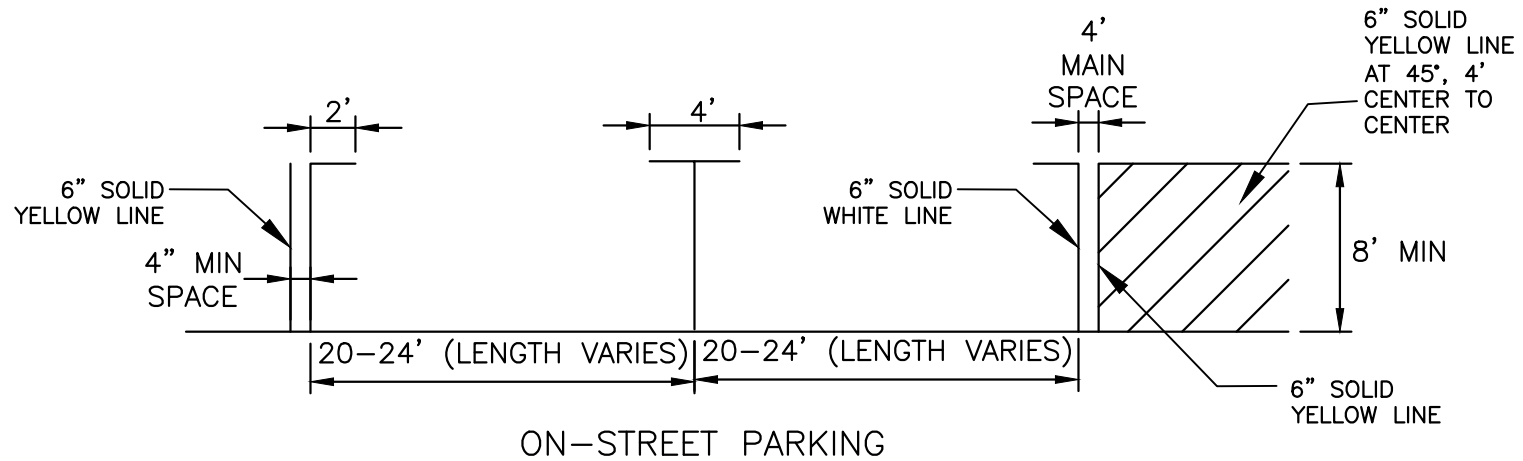
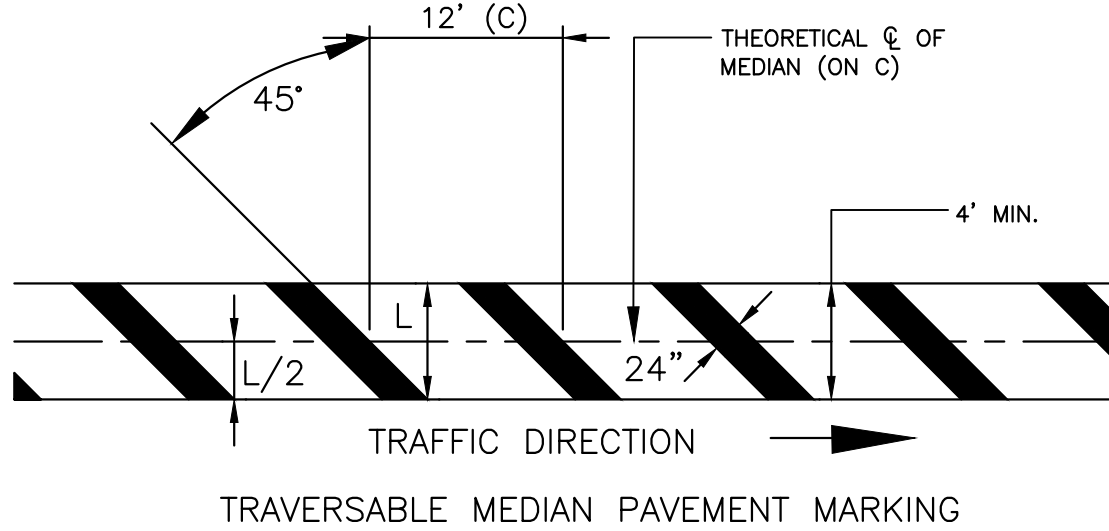
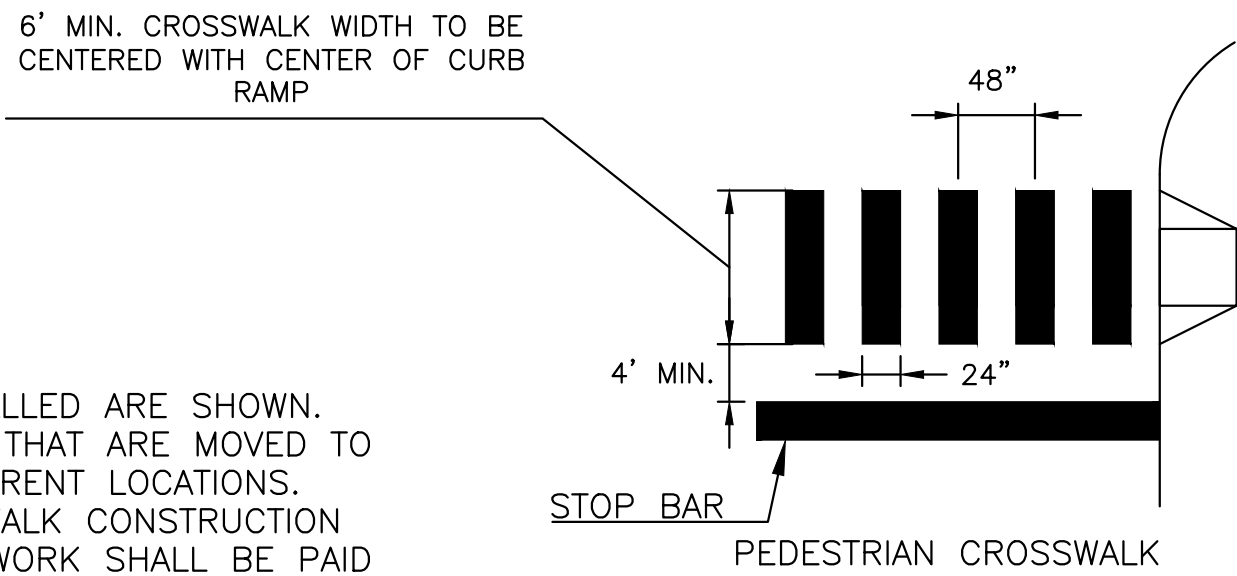
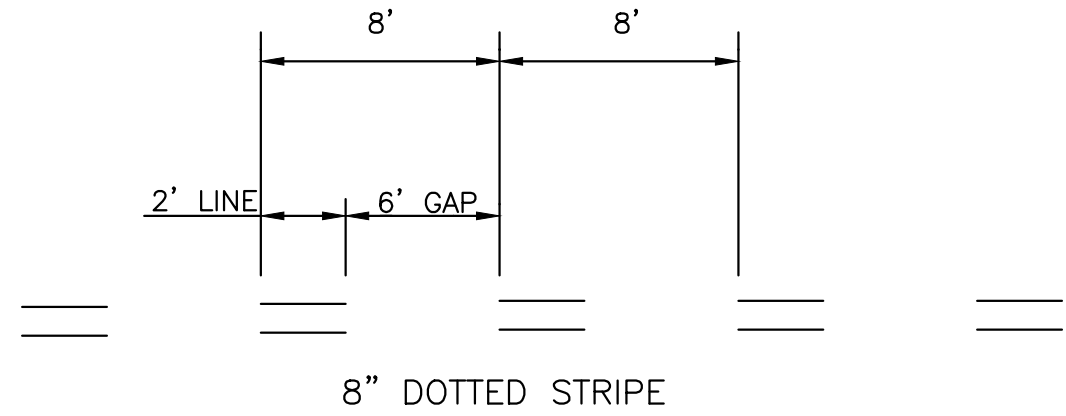
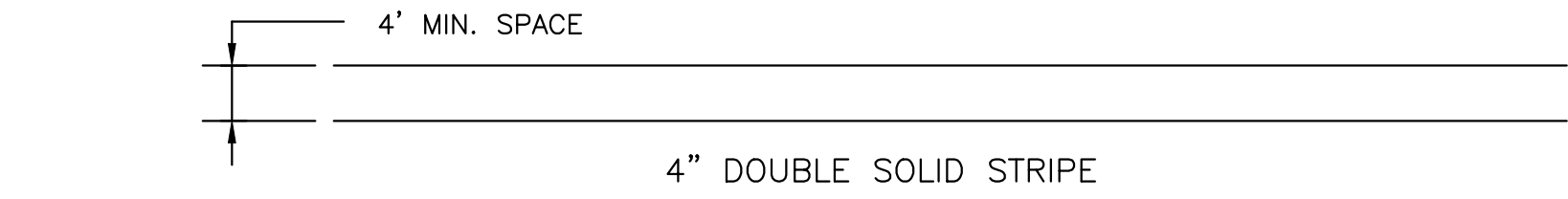
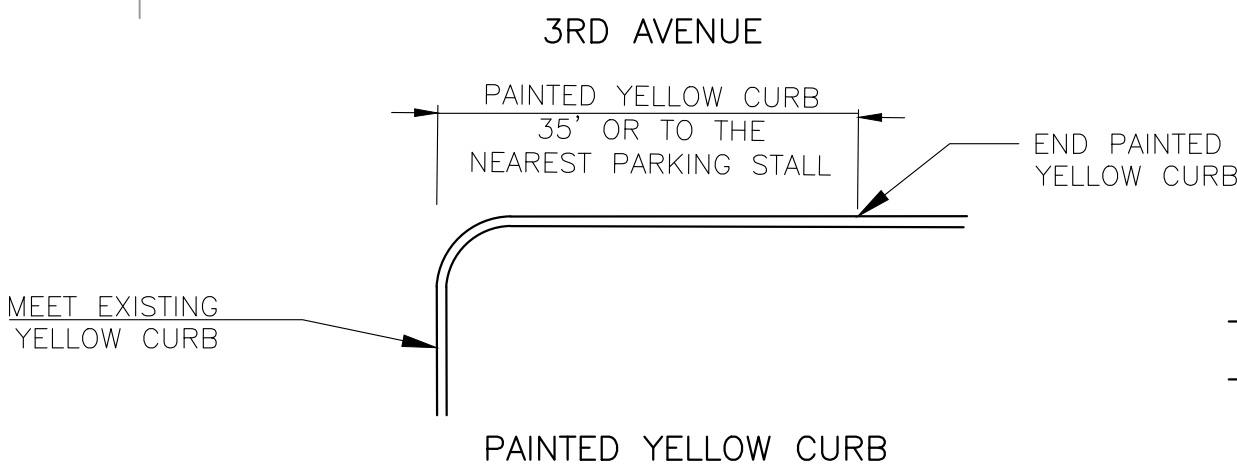
LEGEND

PYC PAINTED YELLOW CURB

- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
- (C) 6" SOLID WHITE STRIPE
- (D) 8" SOLID WHITE STRIPE
- (E) 4" DOTTED YELLOW STRIPE, 2' LINE, 6' GAP
- (F) 8" DOTTED WHITE STRIPE, 2' LINE, 6" GAP
- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
- (H) 24" TRAFFIC MARKING, LINE (WHITE)
- (I) 12" TRAFFIC MARKING, LINE (WHITE)
- (J) TRAFFIC MARKING, SYMBOL (WHITE)
- (K) 6" SOLID BLUE STRIPE
- (L) 6" SOLID YELLOW STRIPE
- (M) TRAFFIC MARKING, SYMBOL (YELLOW)

NOTES:


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- ALL EXISTING SIGNS THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED, AND INSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE".
- CURB ALONG NO PARKING AREAS SHALL BE PAINTED YELLOW AS WELL AS CURB AT INTERSECTIONS. PAINTED YELLOW CURB AT INTERSECTIONS SHALL EXTEND 35' OR TO THE NEAREST PARKING STALL AS SHOWN IN THE DETAIL.

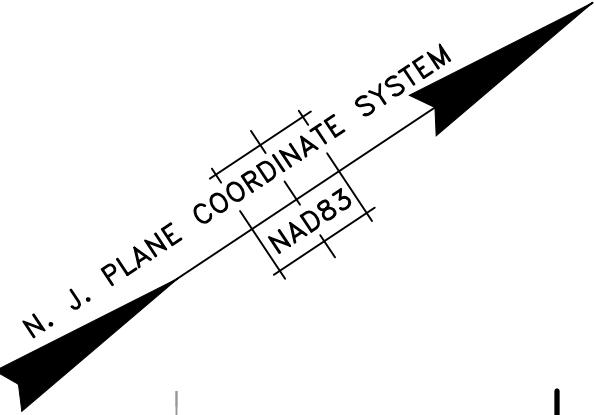
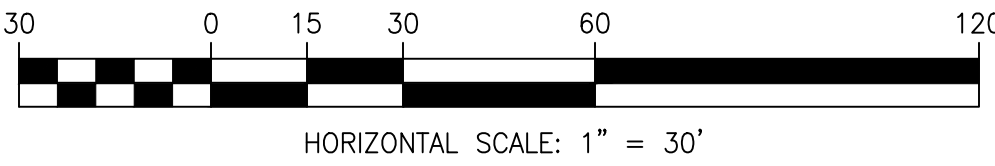


TYPICAL STRIPING DETAILS
NOT TO SCALE

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
610003M	48	TRAFFIC STRIPES, 4"	LF	1344
610007M	50	TRAFFIC STRIPES, 8"	LF	90
610016M	51	TRAFFIC MARKING LINES, 12"	LF	54

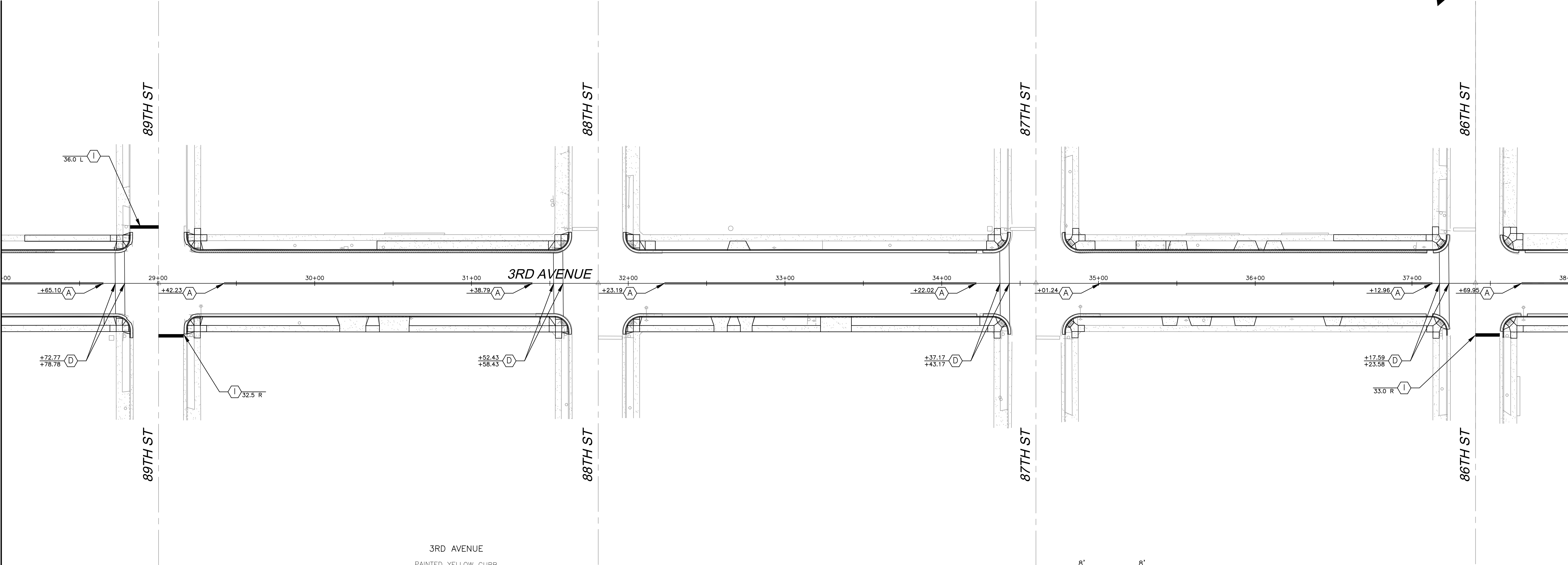
STATION 19+00 TO 28+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER				
								DRAWN BY: JC	APRIL 2023	SCALE: 1"=30'	SHEET 40 OF 52
								APPROVED: 04-2023			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY			SS-3	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. 24GA2864600			



PLAN SHEET NO. SS-3
MATCH LINE CR 619 B STA. 28+00

PLAN SHEET NO. SS-5
MATCH LINE CR 619 B STA. 38+00



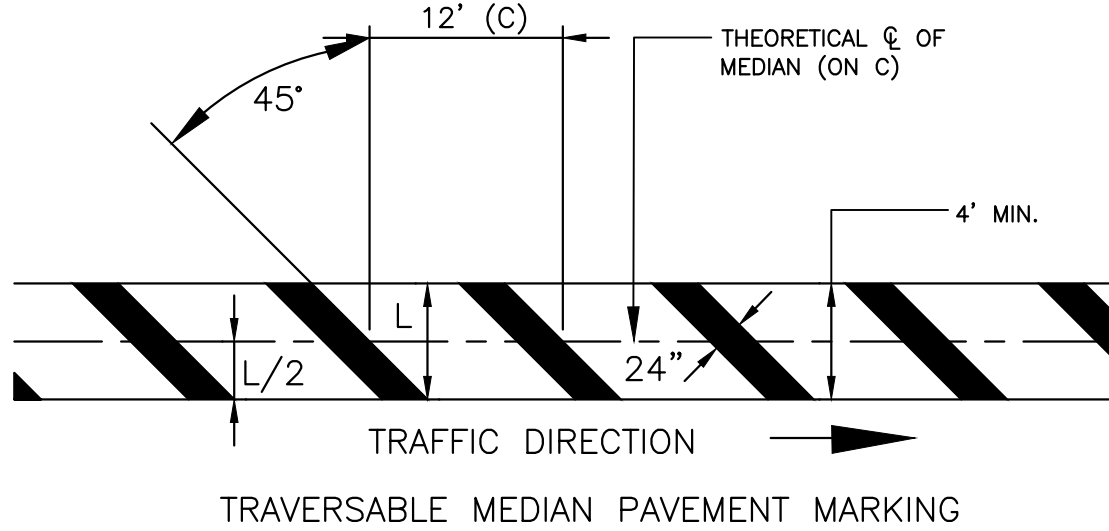
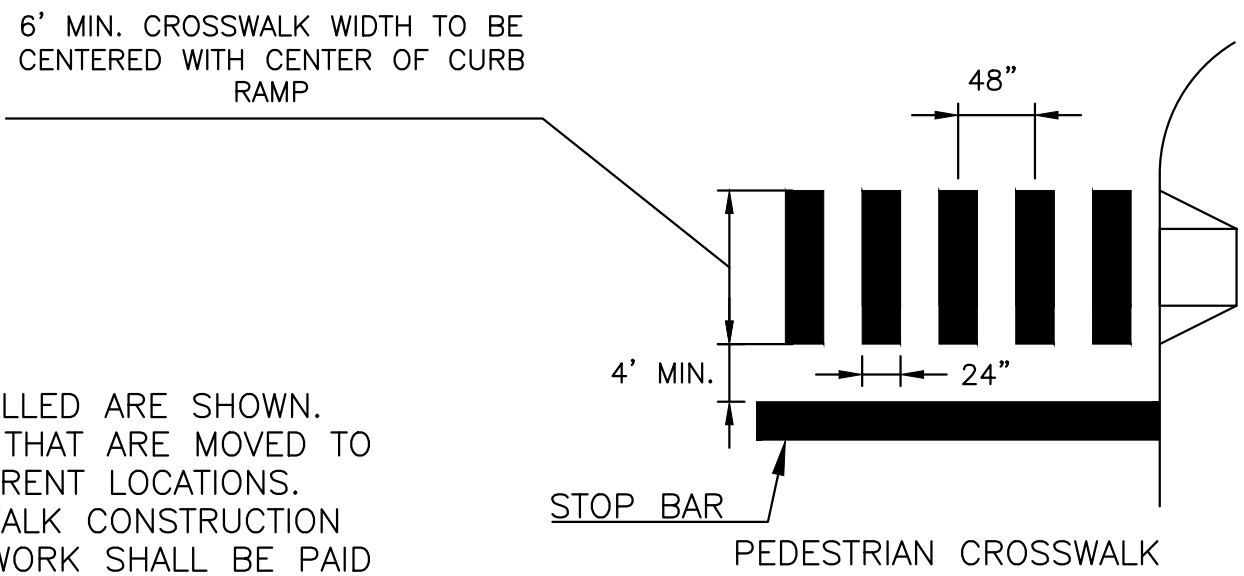
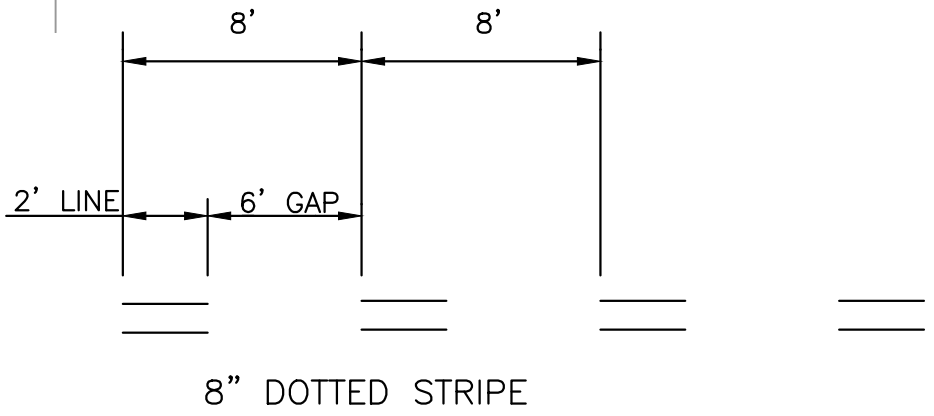
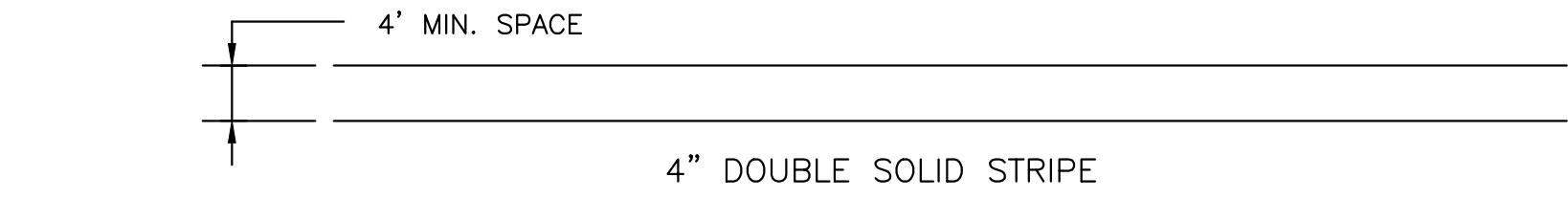
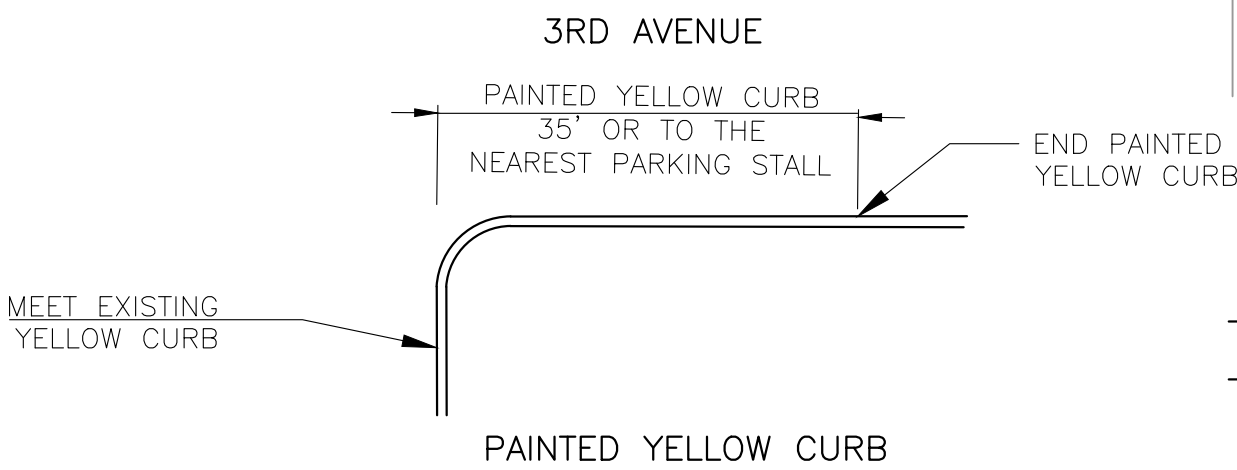
LEGEND

PYC PAINTED YELLOW CURB

- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
- (C) 6" SOLID WHITE STRIPE
- (D) 8" SOLID WHITE STRIPE
- (E) 4" DOTTED YELLOW STRIPE, 2' LINE, 6' GAP
- (F) 8" DOTTED WHITE STRIPE, 2' LINE, 6' GAP
- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
- (H) 24" TRAFFIC MARKING, LINE (WHITE)
- (I) 12" TRAFFIC MARKING, LINE (WHITE)
- (J) TRAFFIC MARKING, SYMBOL (WHITE)
- (K) 6" SOLID BLUE STRIPE
- (L) 6" SOLID YELLOW STRIPE
- (M) TRAFFIC MARKING, SYMBOL (YELLOW)

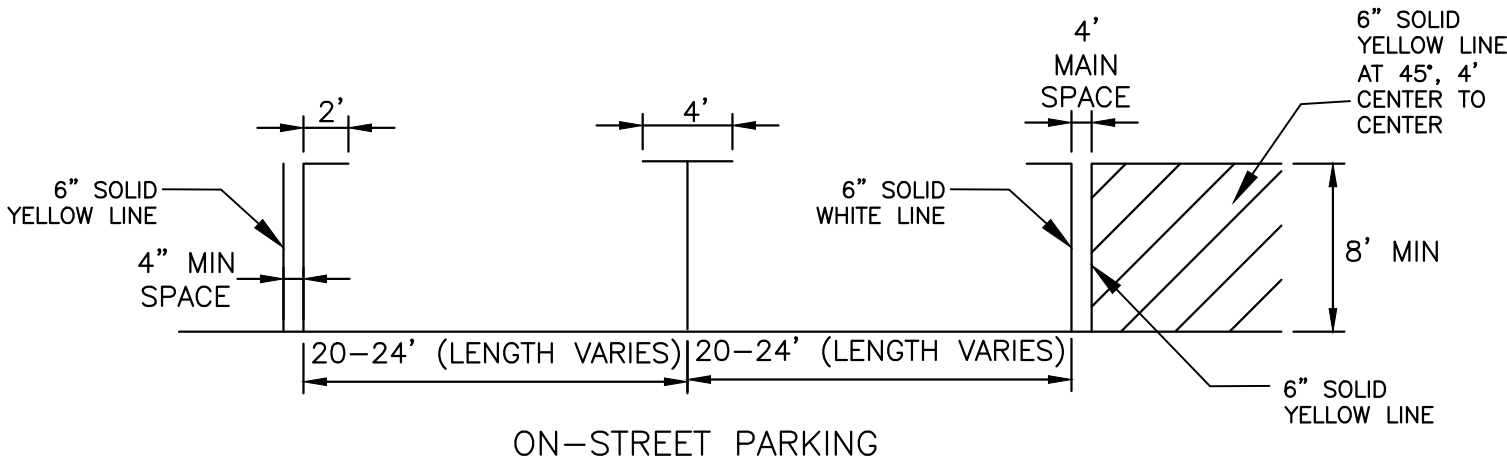
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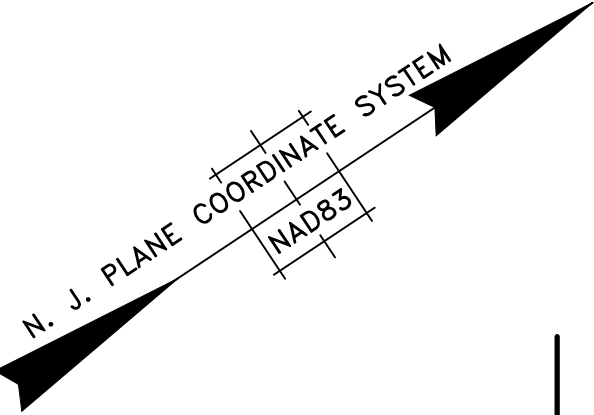
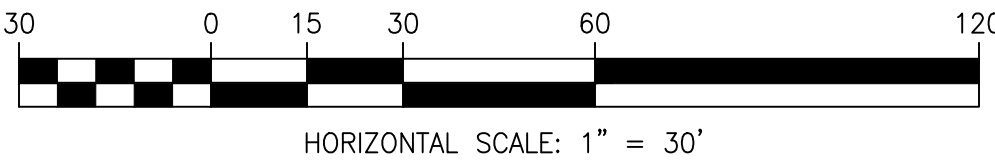
TYPICAL STRIPING DETAILS
NOT TO SCALE

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
610003M	48	TRAFFIC STRIPES, 4"	LF	1410
610007M	50	TRAFFIC STRIPES, 8"	LF	350
610016M	51	TRAFFIC MARKING LINES, 12"	LF	54



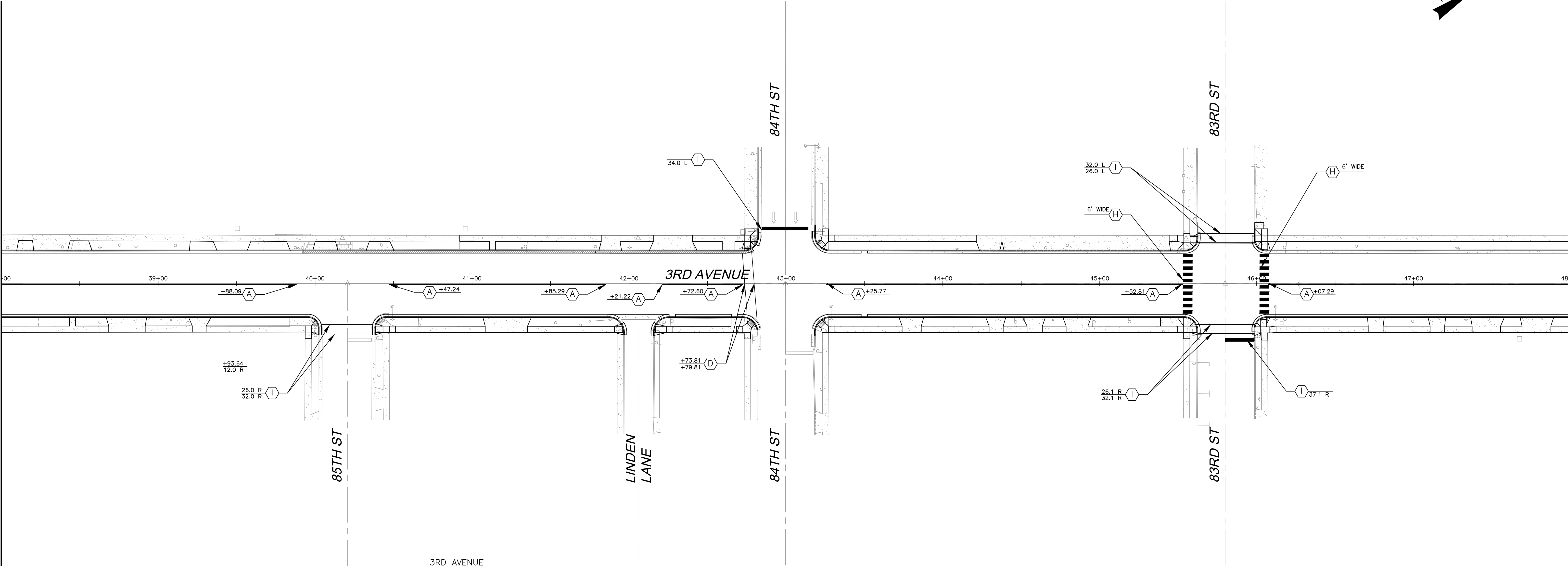
STATION 28+00 TO 38+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 41 OF 52
							APPROVED: _____ 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SS-4		MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864400



PLAN SHEET NO. SS-4
MATCH LINE CR 619 @ STA. 38+00

PLAN SHEET NO. SS-6
MATCH LINE CR 619 @ STA. 48+00



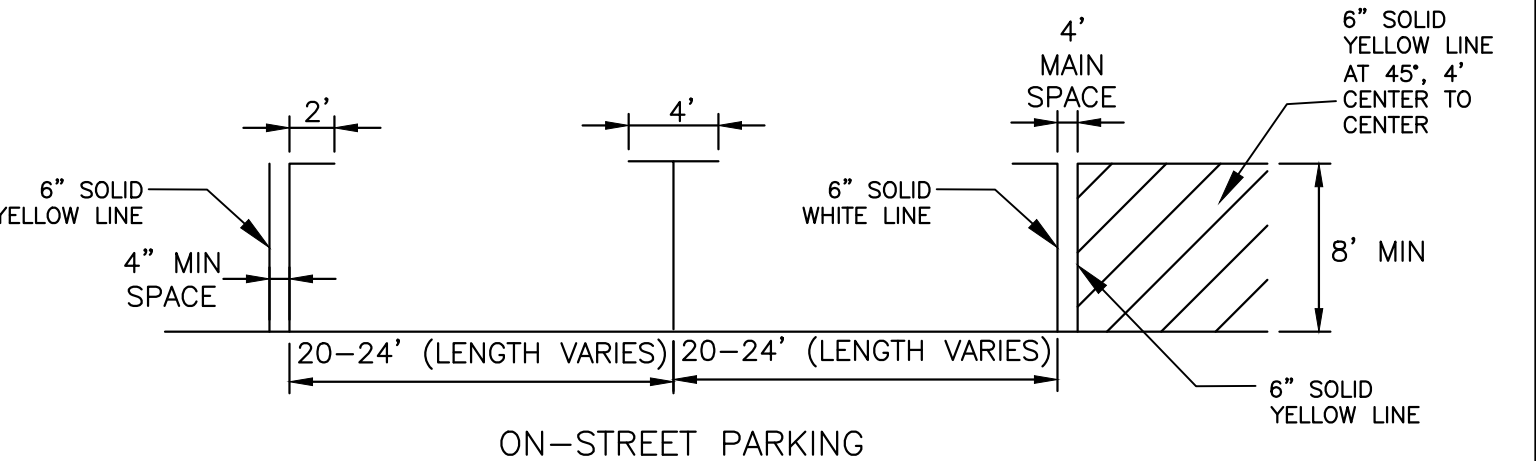
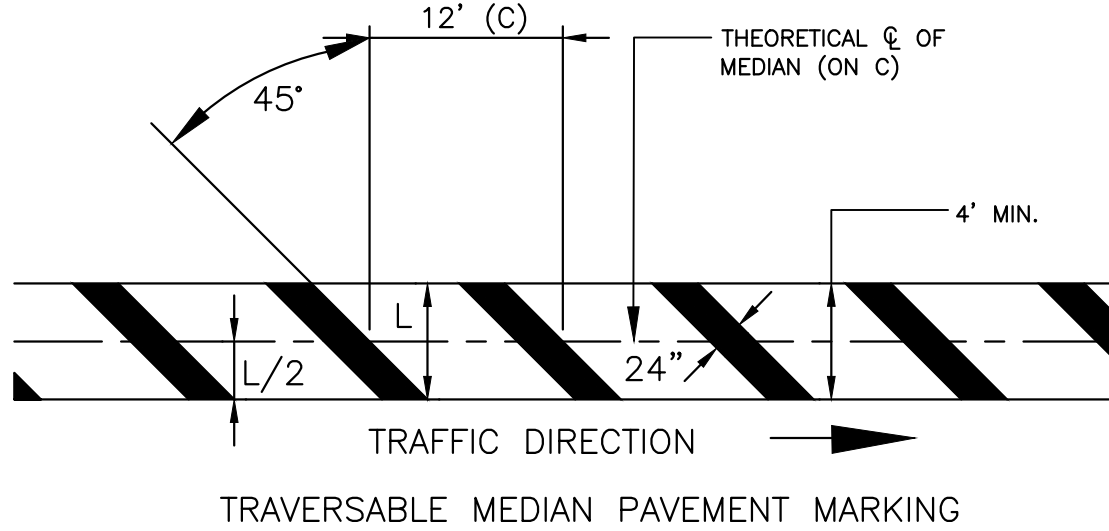
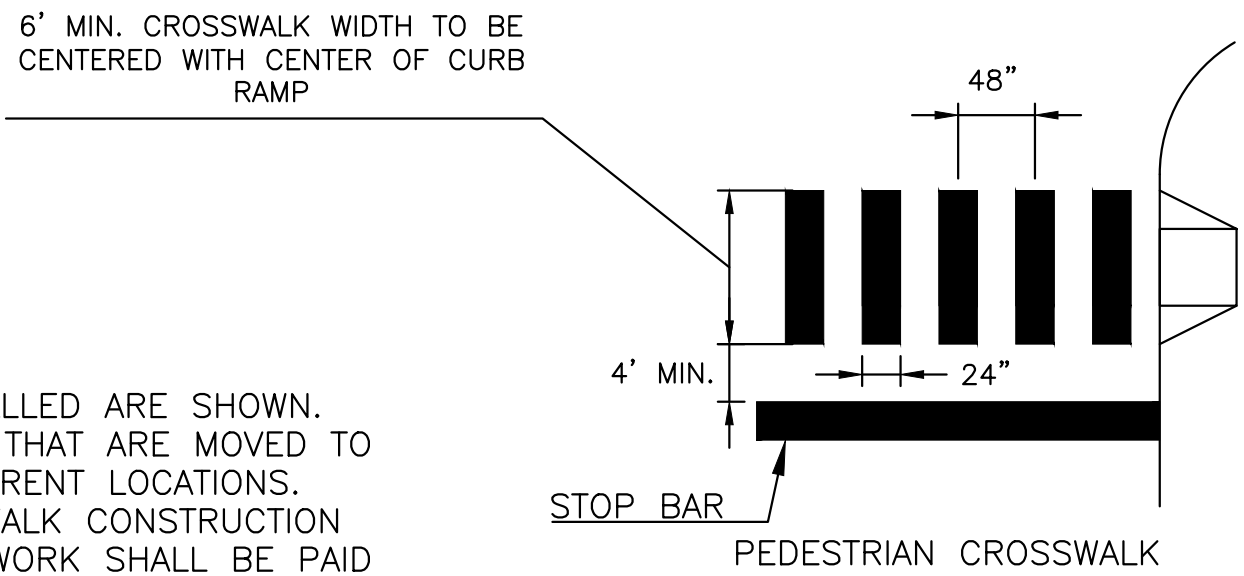
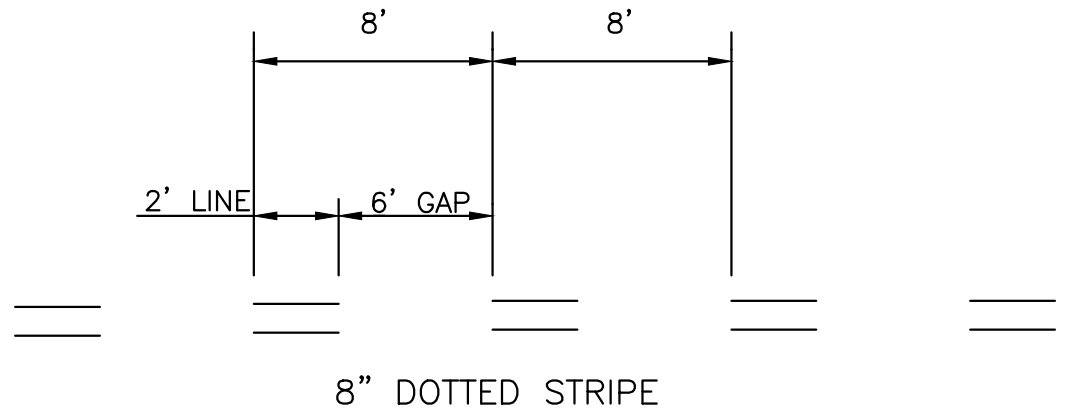
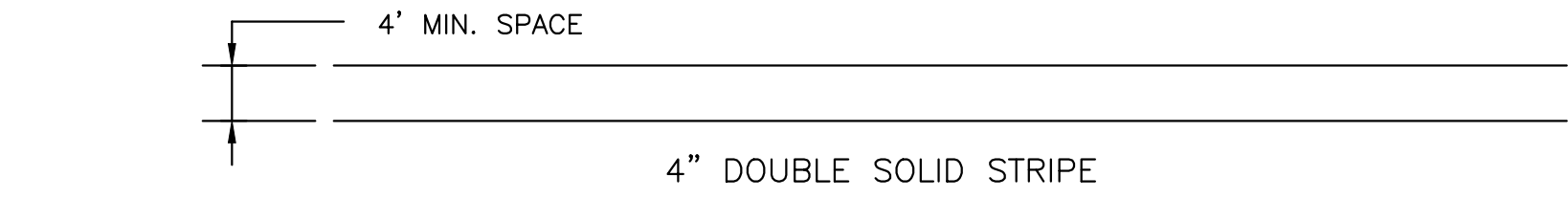
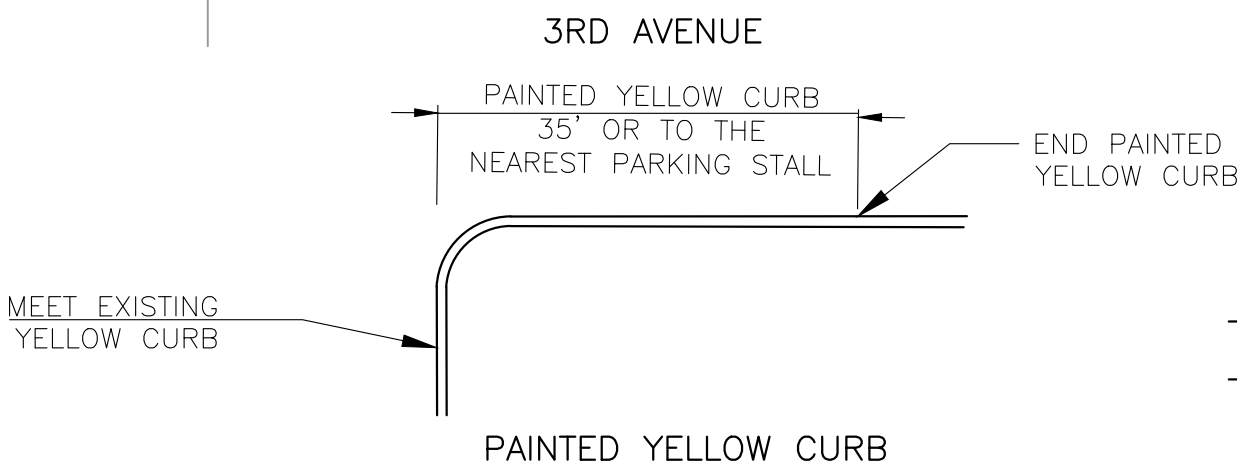
LEGEND

PYC PAINTED YELLOW CURB

- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
- (C) 6" SOLID WHITE STRIPE
- (D) 8" SOLID WHITE STRIPE
- (E) 4" DOTTED YELLOW STRIPE, 2' LINE, 6' GAP
- (F) 8" DOTTED WHITE STRIPE, 2' LINE, 6" GAP
- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
- (H) 24" TRAFFIC MARKING, LINE (WHITE)
- (I) 12" TRAFFIC MARKING, LINE (WHITE)
- (J) TRAFFIC MARKING, SYMBOL (WHITE)
- (K) 6" SOLID BLUE STRIPE
- (L) 6" SOLID YELLOW STRIPE
- (M) TRAFFIC MARKING, SYMBOL (YELLOW)

NOTES:


- ONLY SIGNS THAT ARE TO BE REMOVED, RELOCATED OR INSTALLED ARE SHOWN. EXISTING SIGNS TO REMAIN ARE NOT SHOWN. EXISTING SIGNS THAT ARE MOVED TO ACCOMMODATE CONSTRUCTION SHALL BE RESET AT THEIR CURRENT LOCATIONS.
- ALL EXISTING SIGNS THAT ARE IMPACTED BY CURB AND SIDEWALK CONSTRUCTION SHALL BE REMOVED, STORED, AND INSTALLED IN-KIND. THIS WORK SHALL BE PAID FOR UNDER "CLEARING SITE".
- CURB ALONG NO PARKING AREAS SHALL BE PAINTED YELLOW AS WELL AS CURB AT INTERSECTIONS. PAINTED YELLOW CURB AT INTERSECTIONS SHALL EXTEND 35' OR TO THE NEAREST PARKING STALL AS SHOWN IN THE DETAIL.

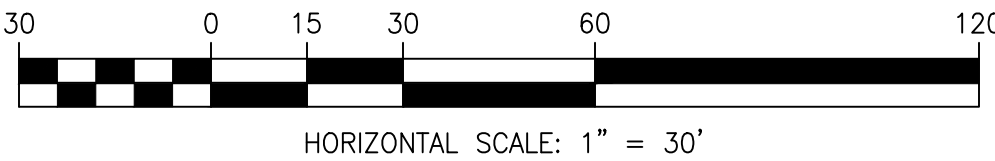


TYPICAL STRIPING DETAILS
NOT TO SCALE

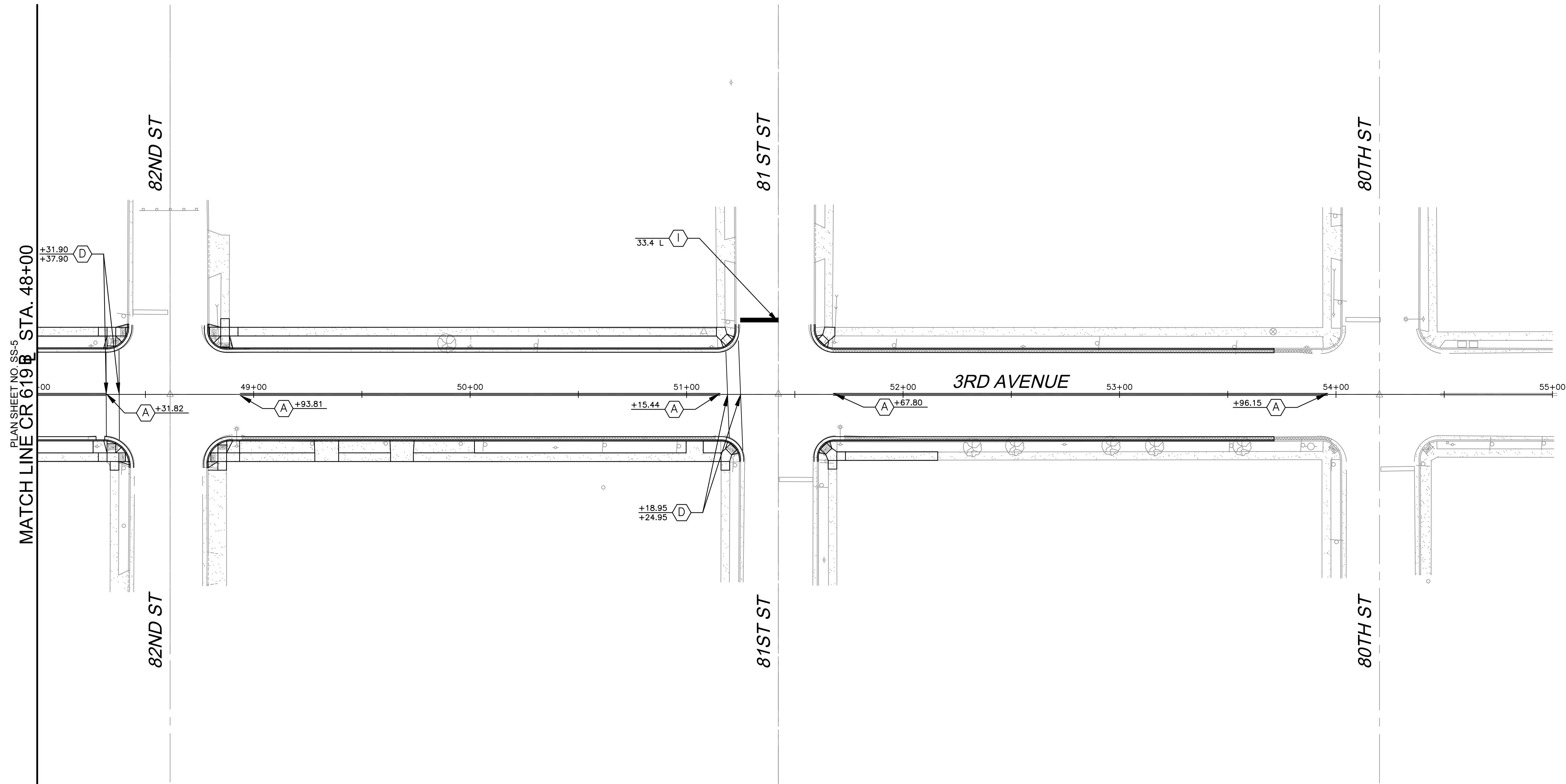
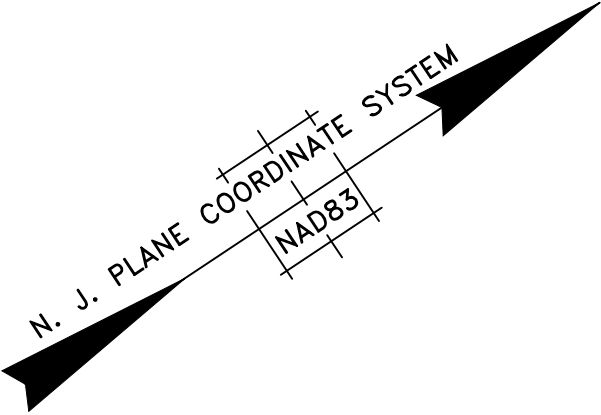
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610003M	48	TRAFFIC STRIPES, 4"	LF	1610
610007M	50	TRAFFIC STRIPES, 8"	LF	85
610016M	51	TRAFFIC MARKING LINES, 12"	LF	266
610017M	52	TRAFFIC MARKING LINES, 24"	LF	120

STATION 38+00 TO 48+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
									DRAWN BY: JC	APRIL 2023
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SS-5		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	



STATE	FEDERAL PROJECT NO.
N.J.	STBGP-0619(343)



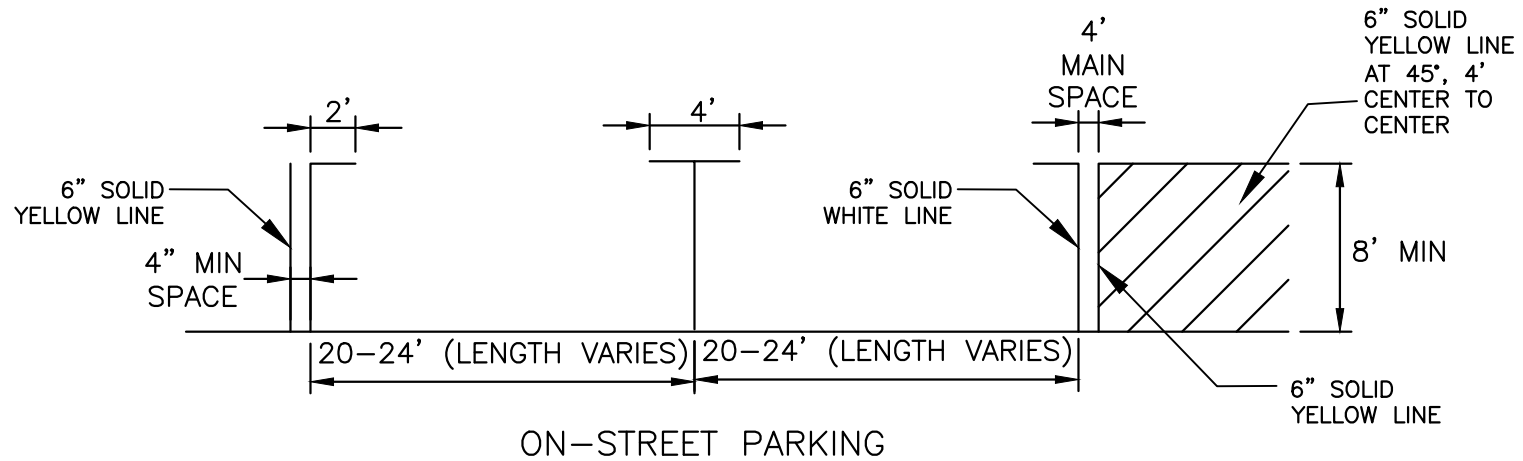
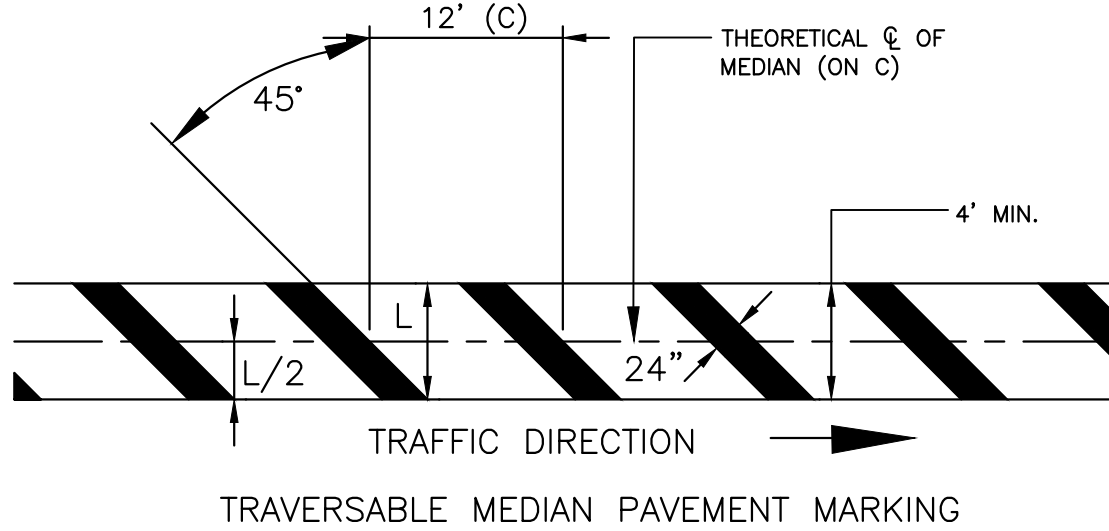
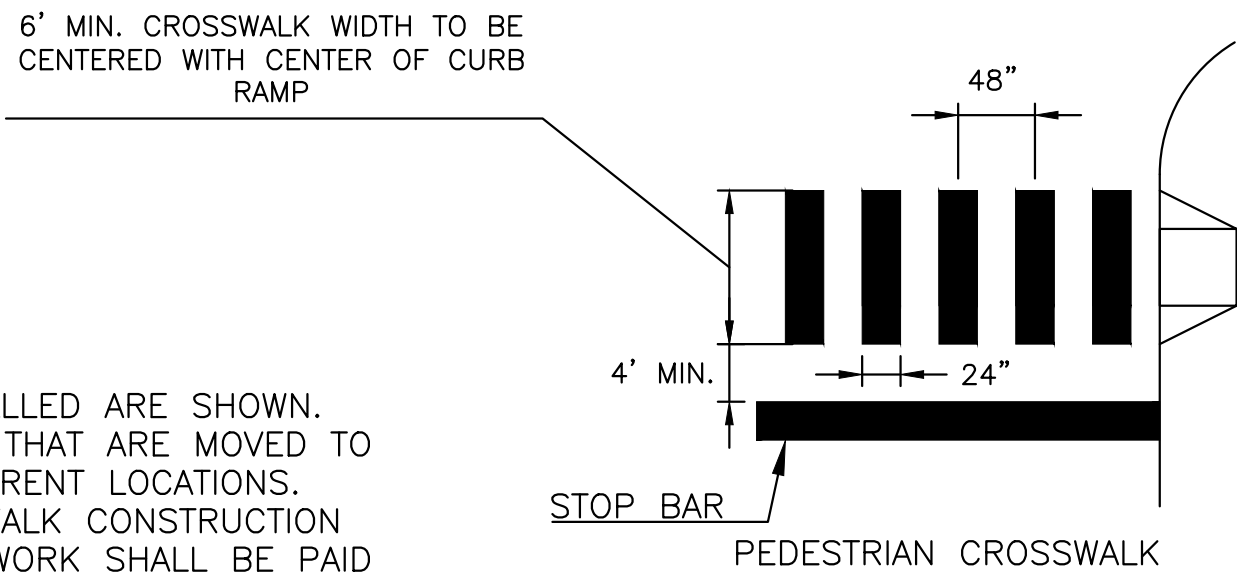
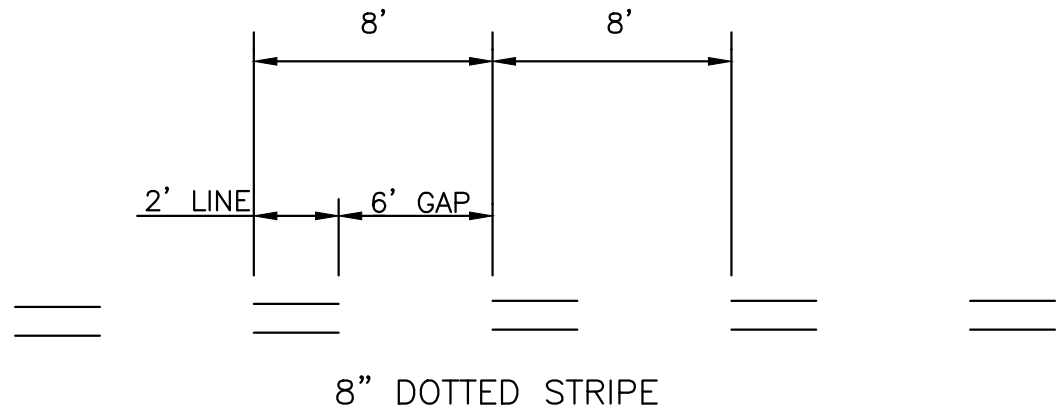
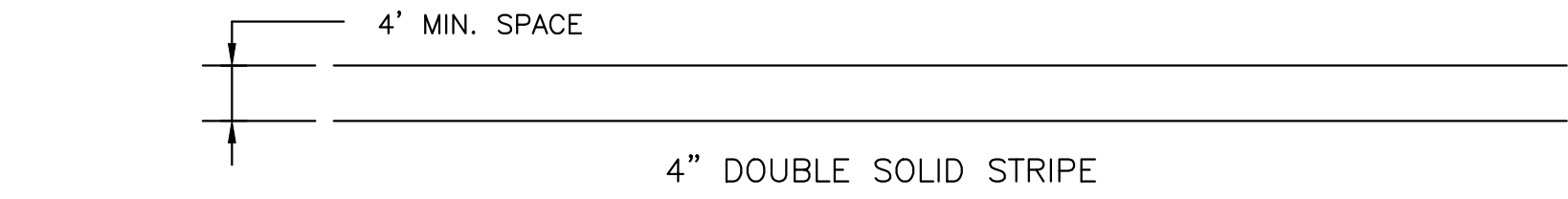
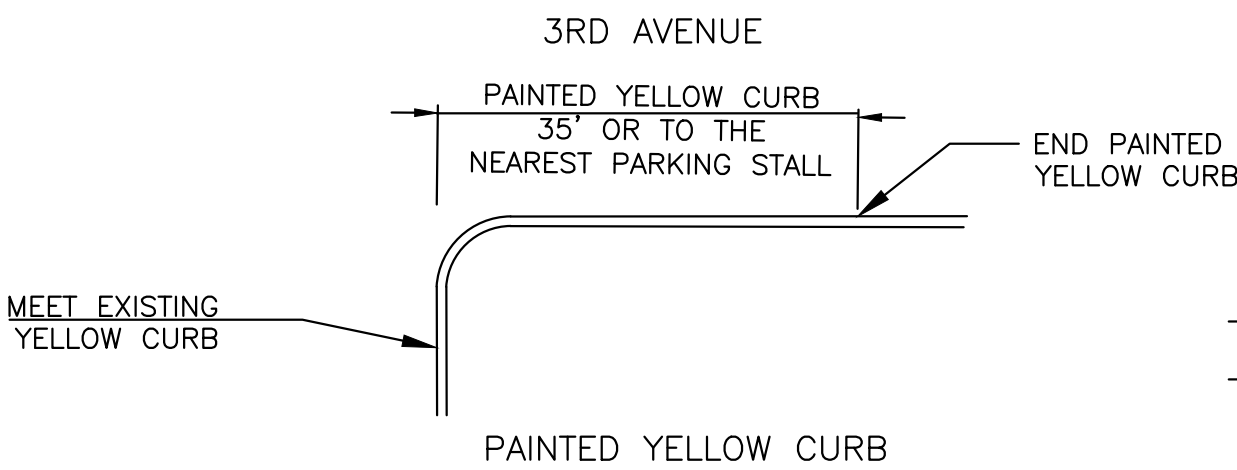
LEGEND

PYC PAINTED YELLOW CURB

- (A) 4" DOUBLE YELLOW STRIPE
- (B) 4" SOLID YELLOW STRIPE
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- (G) 24" TRAFFIC MARKING, LINE, 45°, 12' C. TO C. (WHITE OR YELLOW)
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NOTES:


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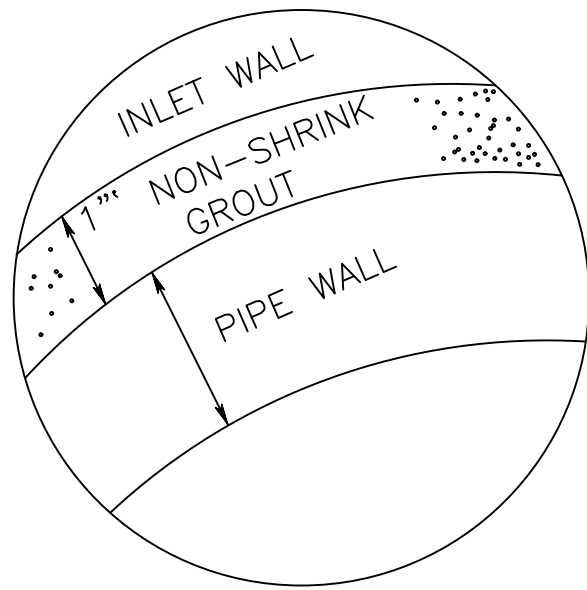


TYPICAL STRIPING DETAILS
NOT TO SCALE

ITEM NUMBER	SEQ. No.	TO BE CONSTRUCTED	UNIT	CONTRACT QUANTITY
610003M	48	TRAFFIC STRIPES, 4"	LF	940
610007M	50	TRAFFIC STRIPES, 8"	LF	170
610016M	51	TRAFFIC MARKING LINES, 12"	LF	18

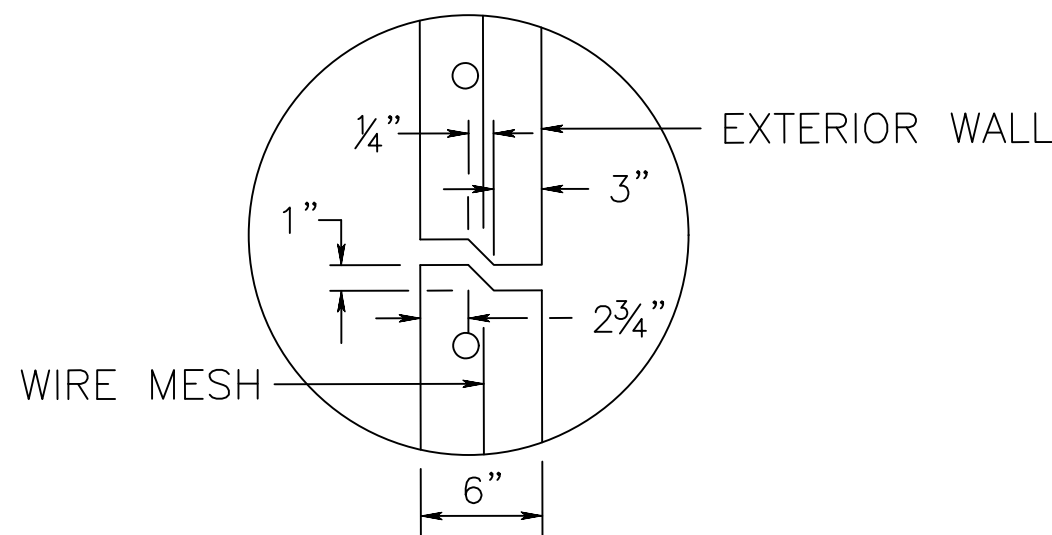
STATION 48+00 TO 55+00

				RESURFACING OF THIRD AVENUE (CR 619)	SIGNING AND STRIPING PLAN		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER			
							DRAWN BY: JC APRIL 2023 SCALE: 1"=30' SHEET 43 OF 52			
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	SS-6		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. 24GA2864600			



CONNECTION OF PIPE AND INLET FOR PRECAST INLET

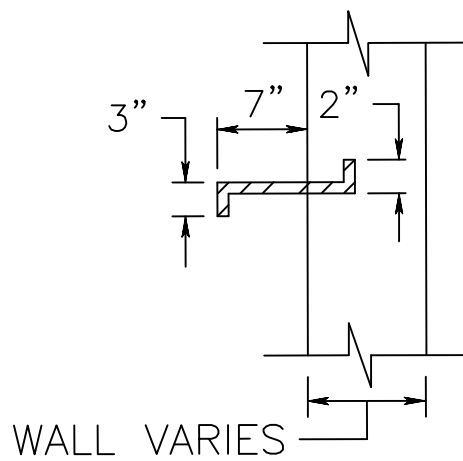
CD-602-1.1



RISER JOINT DETAIL FOR PRECAST INLETS

NOTE:
JOINT TO BE GROUTED WITH MORTAR BY CONTRACTOR

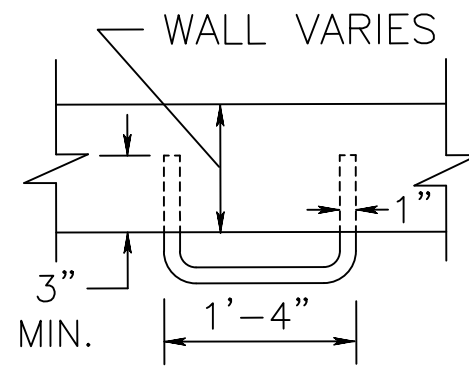
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ELEVATION

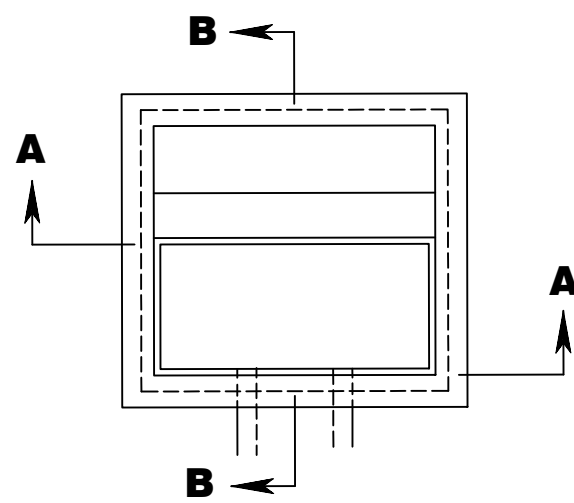
NOTE:
LADDER RUNGS FACING TRAFFIC 12" C TO C

LADDER RUNG DETAIL



PLAN

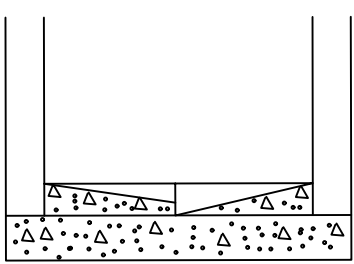
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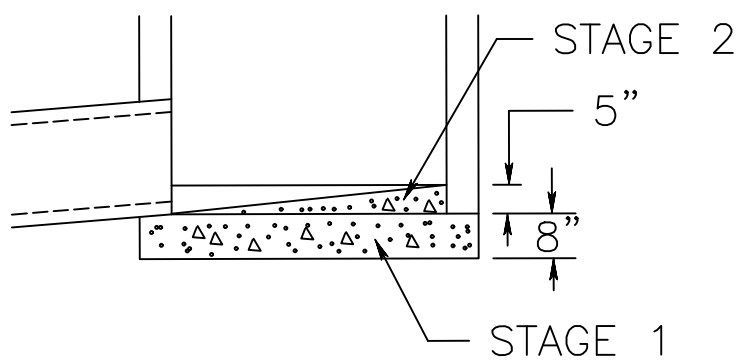
NOTE:
FOUNDATION AND INVERT TO BE CONSTRUCTED IN TWO STAGES. THE TOP SURFACE OF STAGE 1 TO BE LEFT ROUGH.

DETAIL OF INVERT FOR INLET WITHOUT CONTINUOUS PIPE

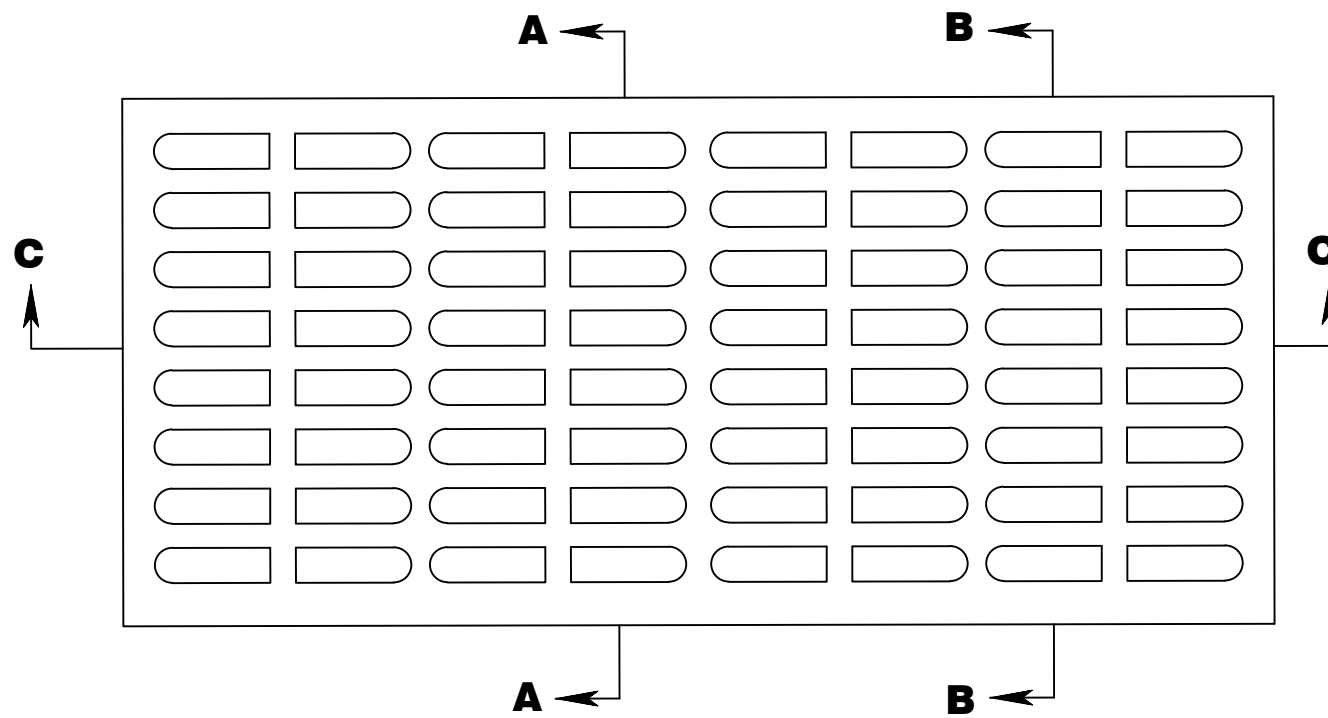
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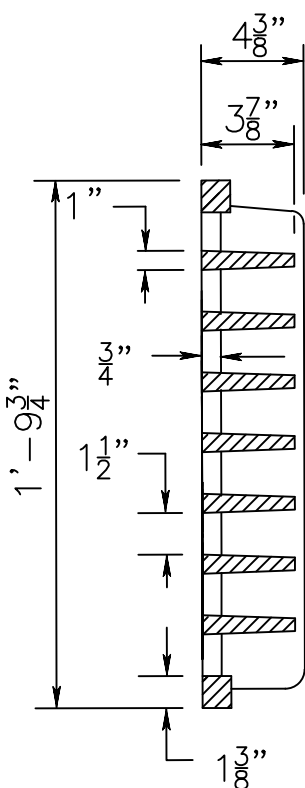
SECTION A-A



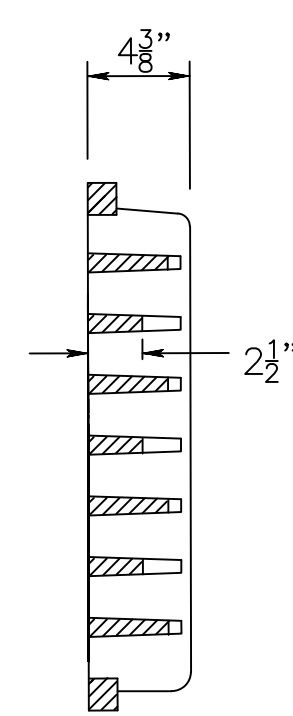
SECTION B-B



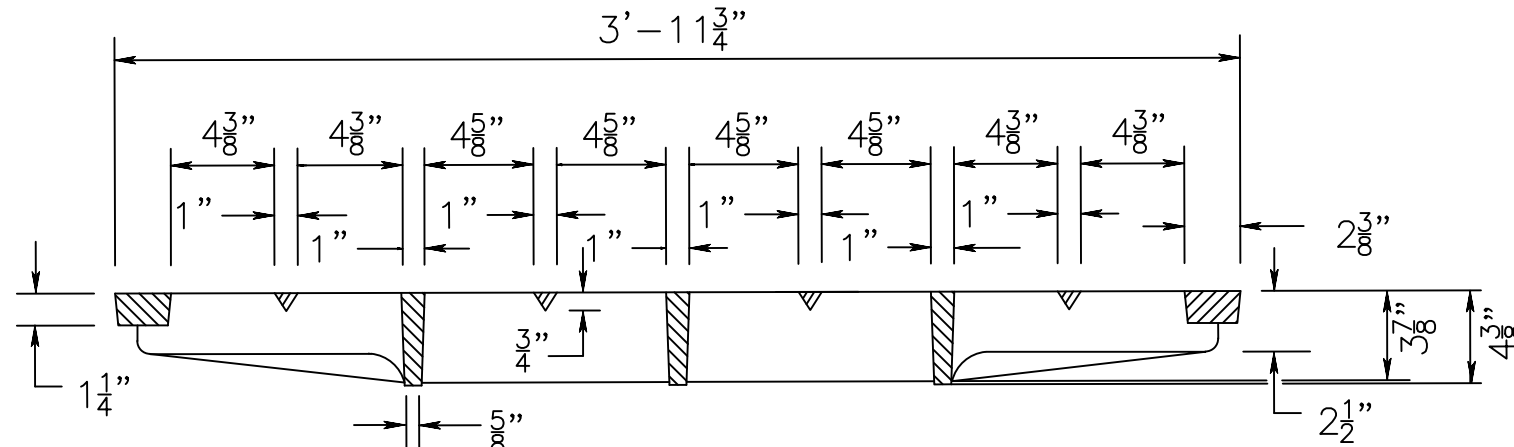
WEIGHT 300 ± 15 LBS.



SECTION A-A



SECTION B-B



SECTION C-C

NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

BICYCLE SAFE GRATE (CAST IRON)

CD-602-1.8

GENERAL NOTES:

- 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.
- CORBELLING OF INLET WALLS WILL BE PERMITTED AT THE RATE OF INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORBEL 6 INCHES PER WALL.
- 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.
- 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.
- 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.
- ADJUST CASTINGS FOR PRECAST INLETS TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES MAXIMUM.
- 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.
- MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2, AND B MODIFIED:

DEPTH BELOW TOP OF GRATE	HORIZONTAL REINF.	VERTICAL REINF.	WALL 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 @ 6" C.C.	#13 @ 18" C.C.	6"

REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR.

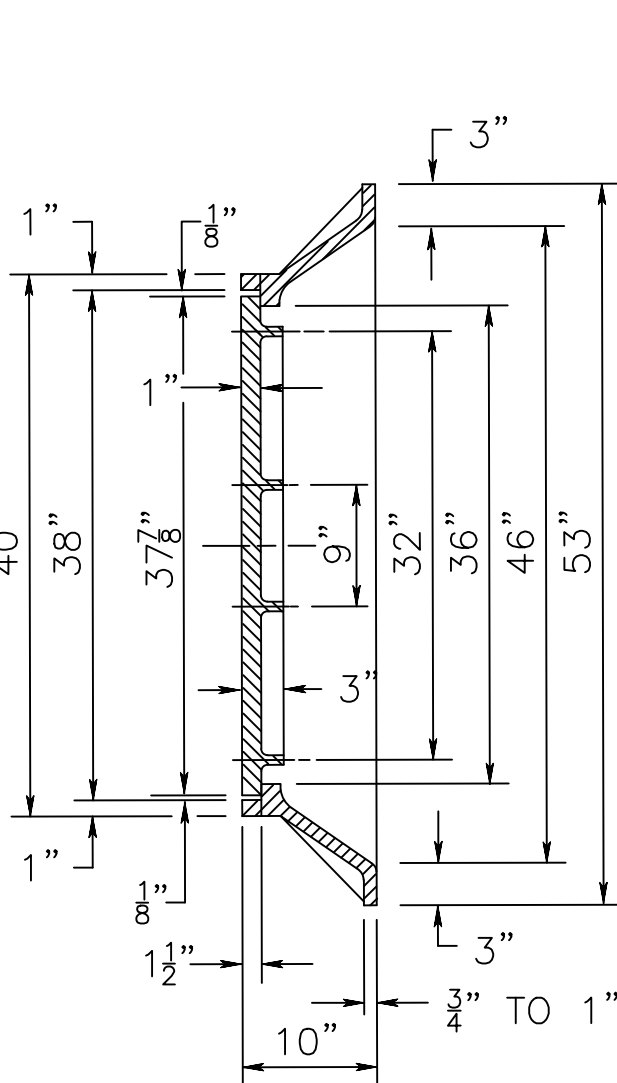
ALTERNATE REINFORCEMENT

DEPTH BELOW TOP OF GRATE	REINFORCEMENT
0' TO 10'-0"	WWF 3 x 6 W6 WIRES SPACED AT 3" TO RUN HORIZONTAL IN ALL CASES.
10'-1" TO 15'-0"	WWF 3 x 6 W6 ADD #10 REINFORCEMENT STEEL @ 18" HORIZONTAL.
15'-1" TO 20'-0"	WWF 3 x 6 W6 ADD #10 REINFORCEMENT STEEL @ 9" HORIZONTAL OR ADD #13 REINFORCEMENT STEEL AT 15" HORIZONTAL.
- DIMENSIONS, WEIGHTS, AND OTHER CRITERIA SHOWN ON THESE DETAILS ARE FOR CLASS 35B CAST IRON.

CD-602-1.6

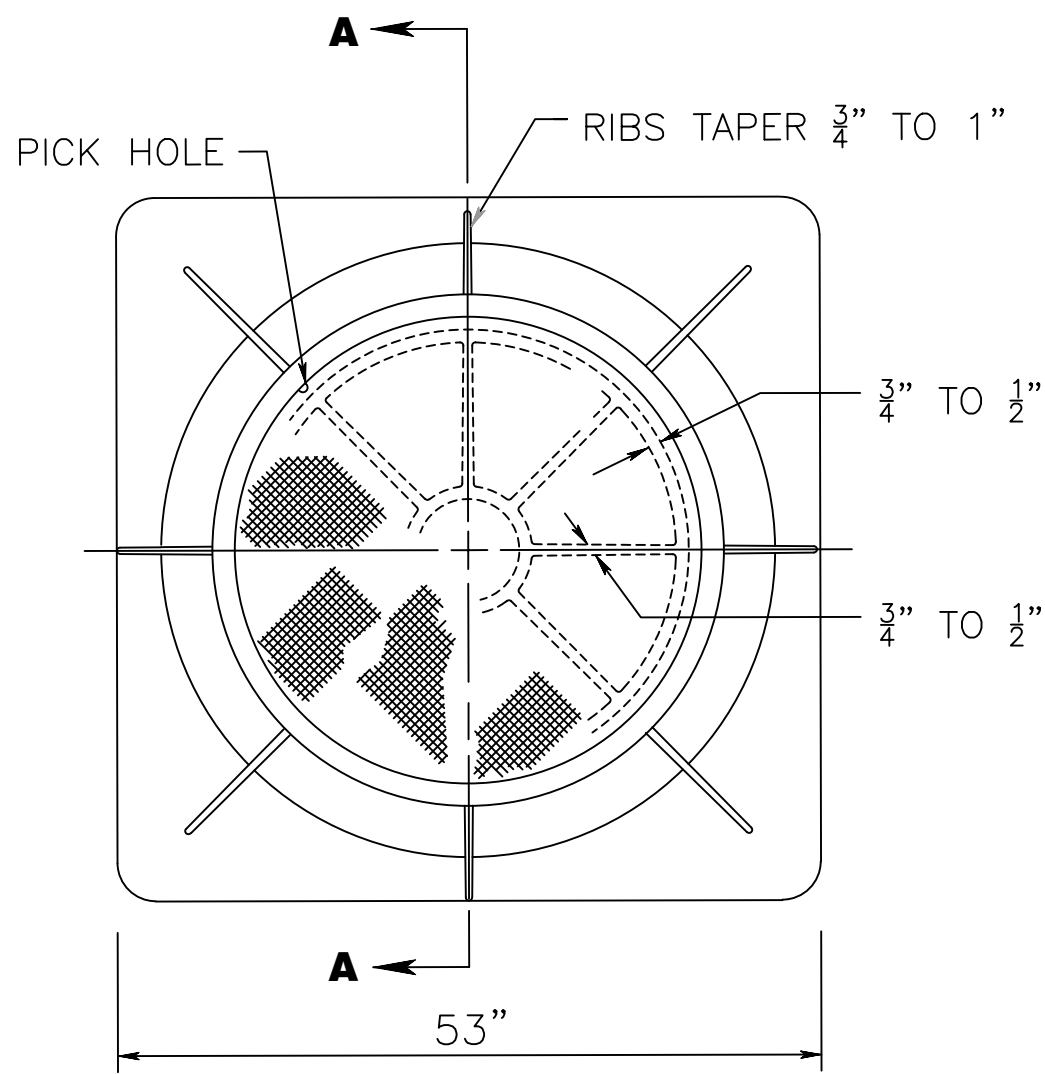
NOTE:

REINFORCEMENT STEEL IS IN METRIC UNITS.



NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

SQUARE FRAMED MANHOLE CASTING, CIRCULAR COVER



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

RESURFACING OF THIRD AVENUE (CR 619)

BOROUGH OF STONE HARBOR, CAPE MAY COUNTY

CONSTRUCTION DETAILS

CD-1

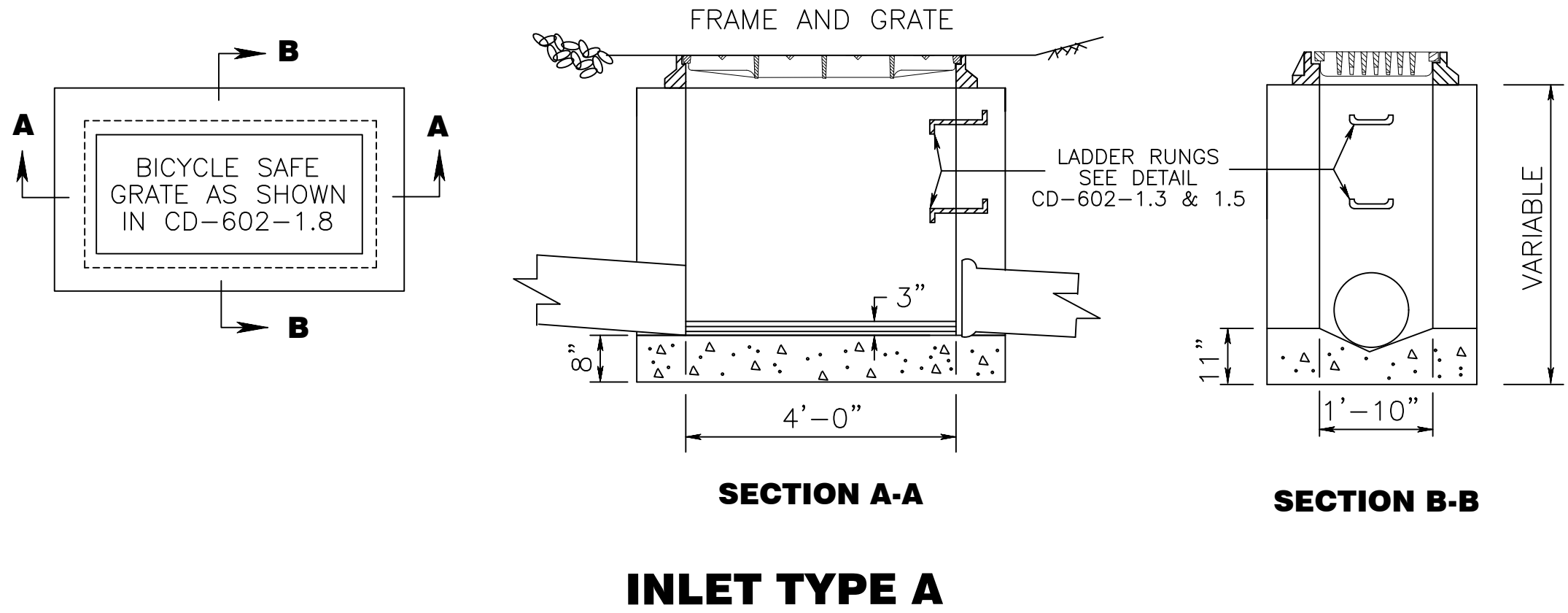


COUNTY OF CAPE MAY
OFFICE OF THE COUNTY ENGINEER

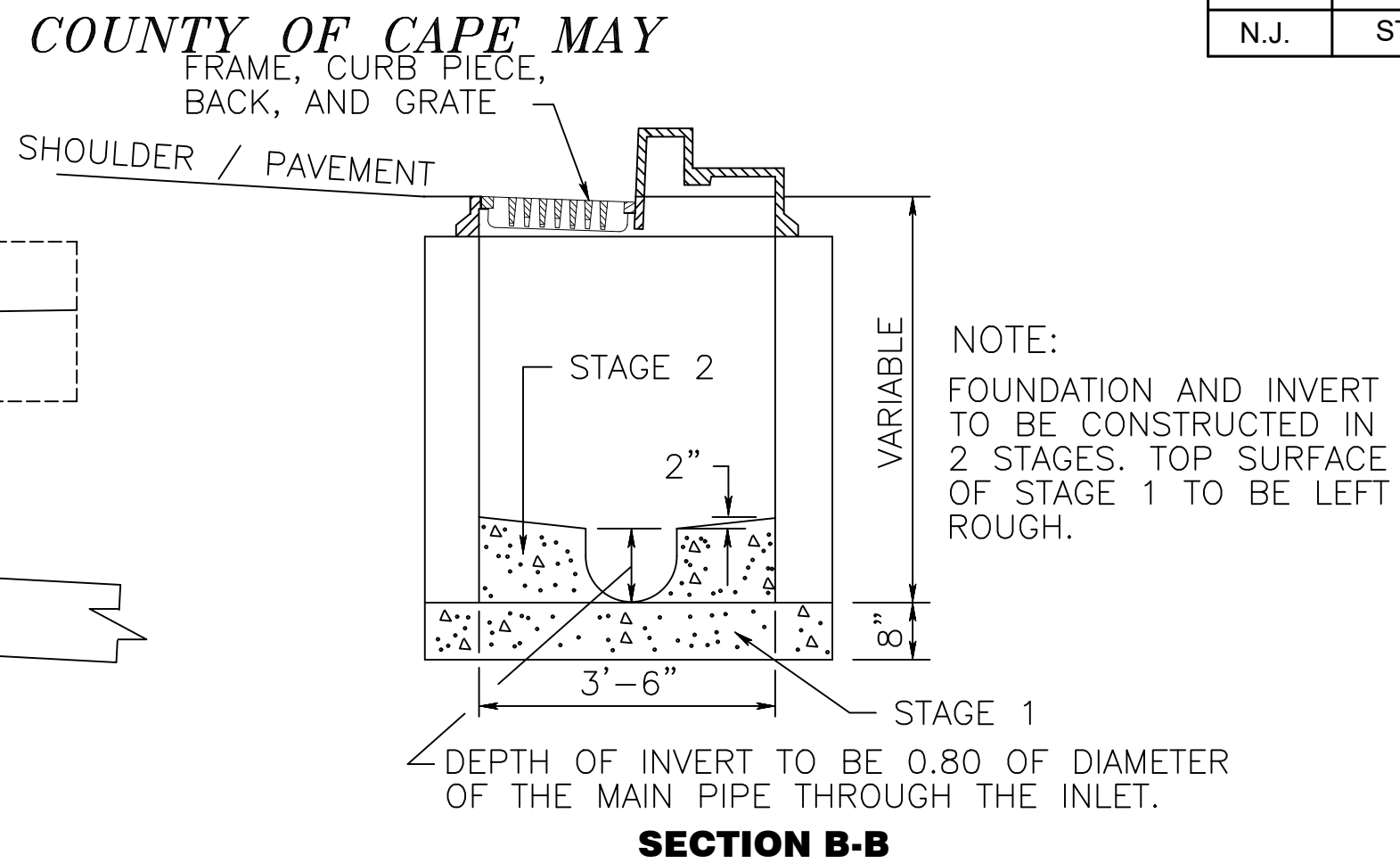
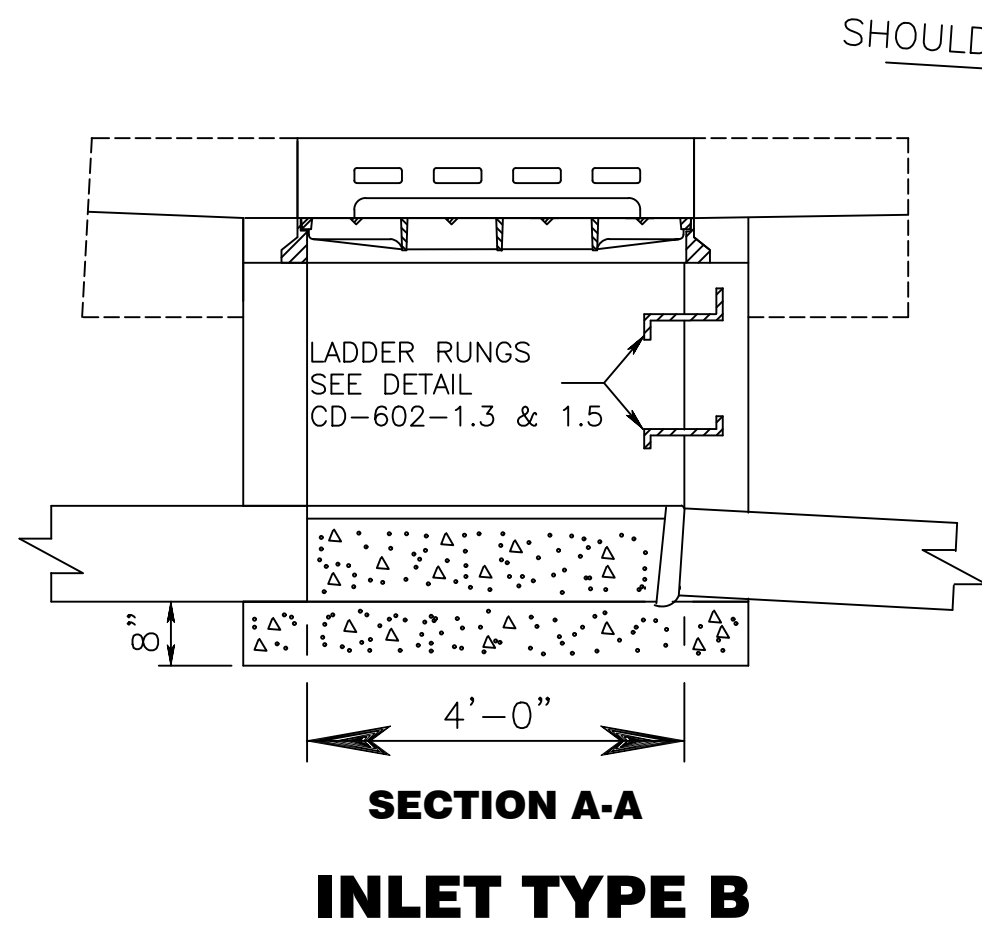
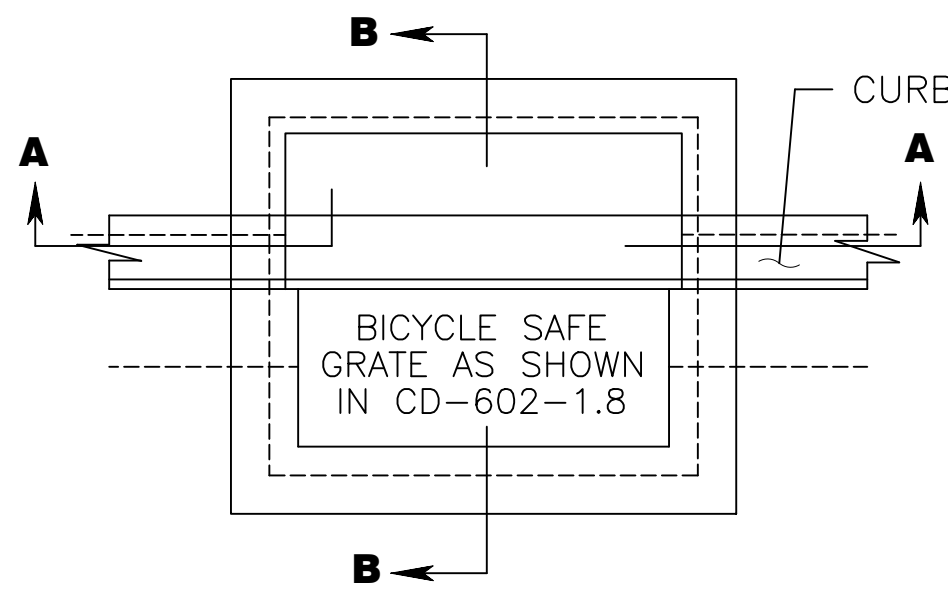
DRAWN BY: JC APRIL 2023 SCALE: SHEET 44 OF 52

APPROVED: NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE 04-2023

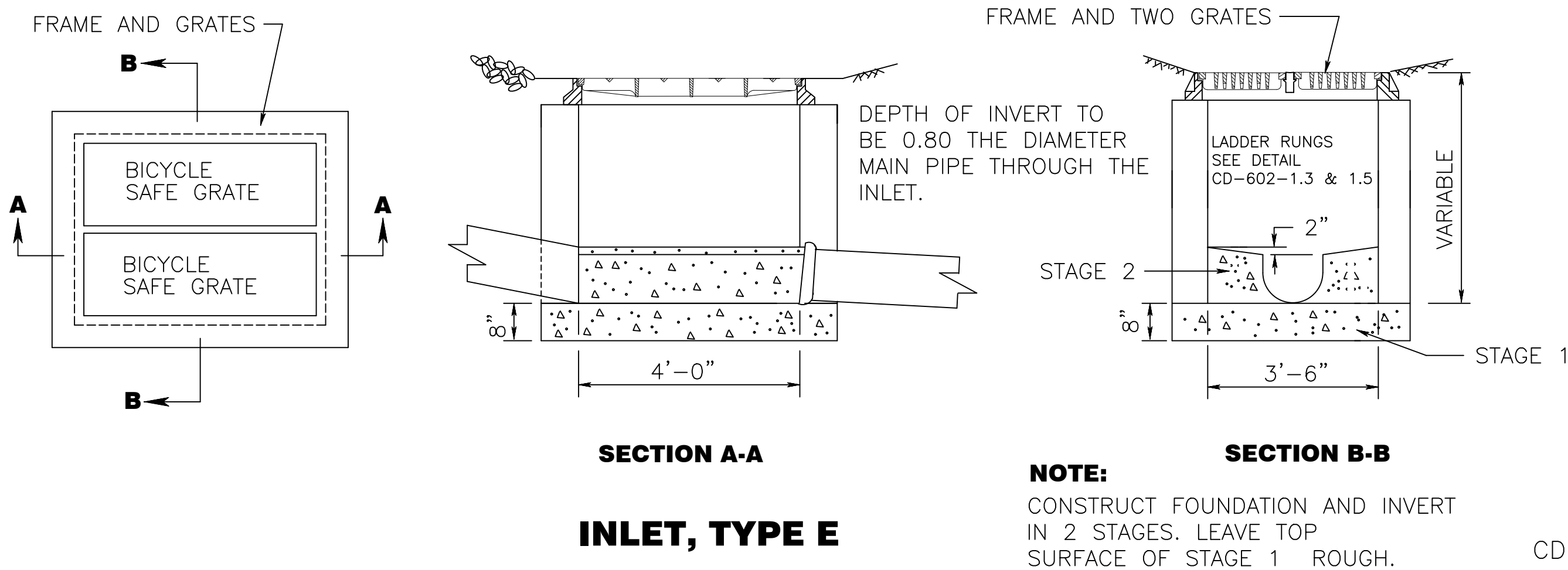
MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600



CD-602-2.1

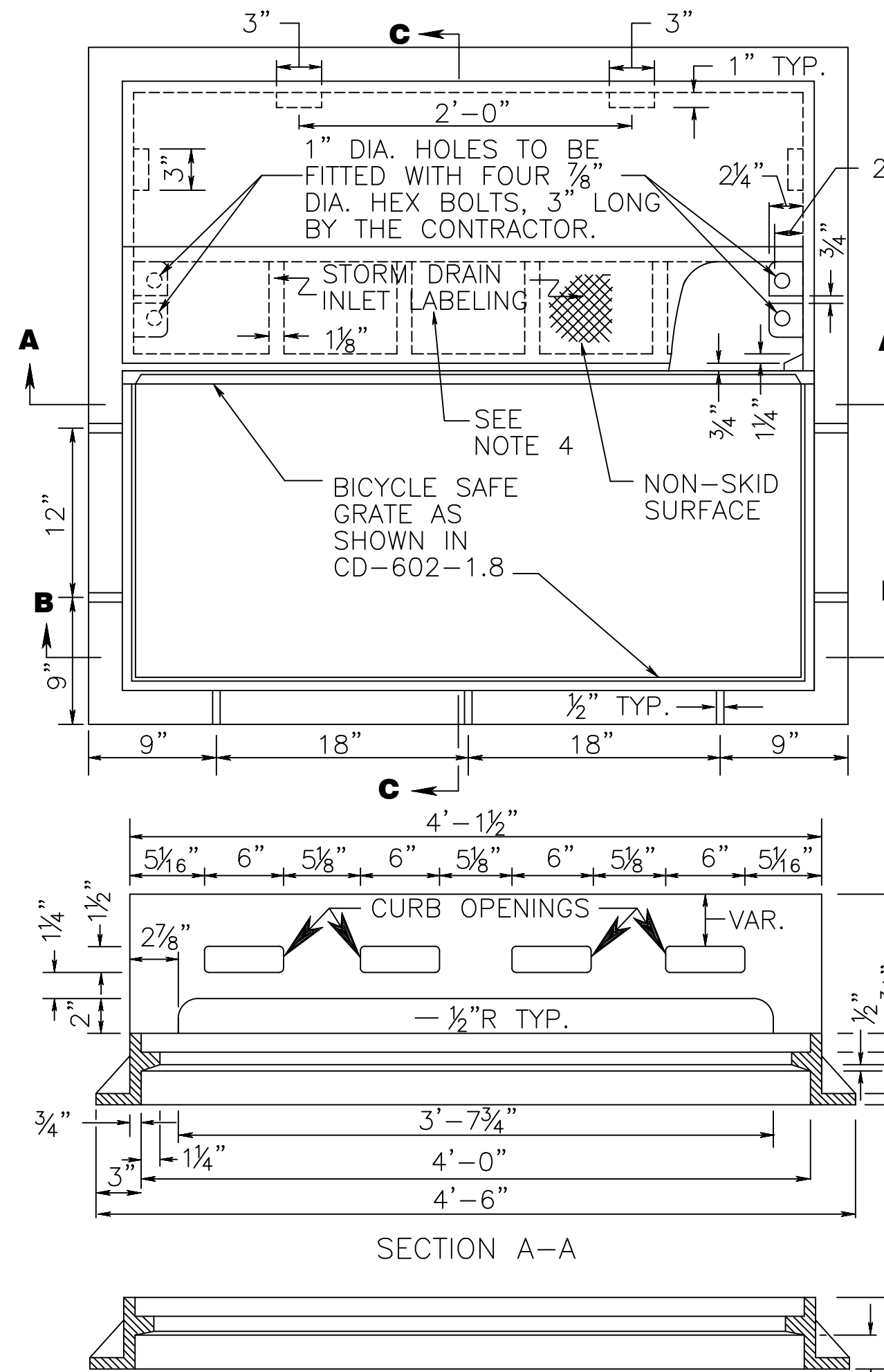


CD-602-2.2



NOTE:
CONSTRUCT FOUNDATION AND INVERT
IN 2 STAGES. LEAVE TOP
SURFACE OF STAGE 1 ROUGH.

CD-602-4.2



WEIGHTS CLASS 35B

WEIGHT OF GRATE = 300 ± 15 LBS
WEIGHT OF FRAME = 312#
WEIGHT OF BACK = 120#

WEIGHT OF CURB PIECE

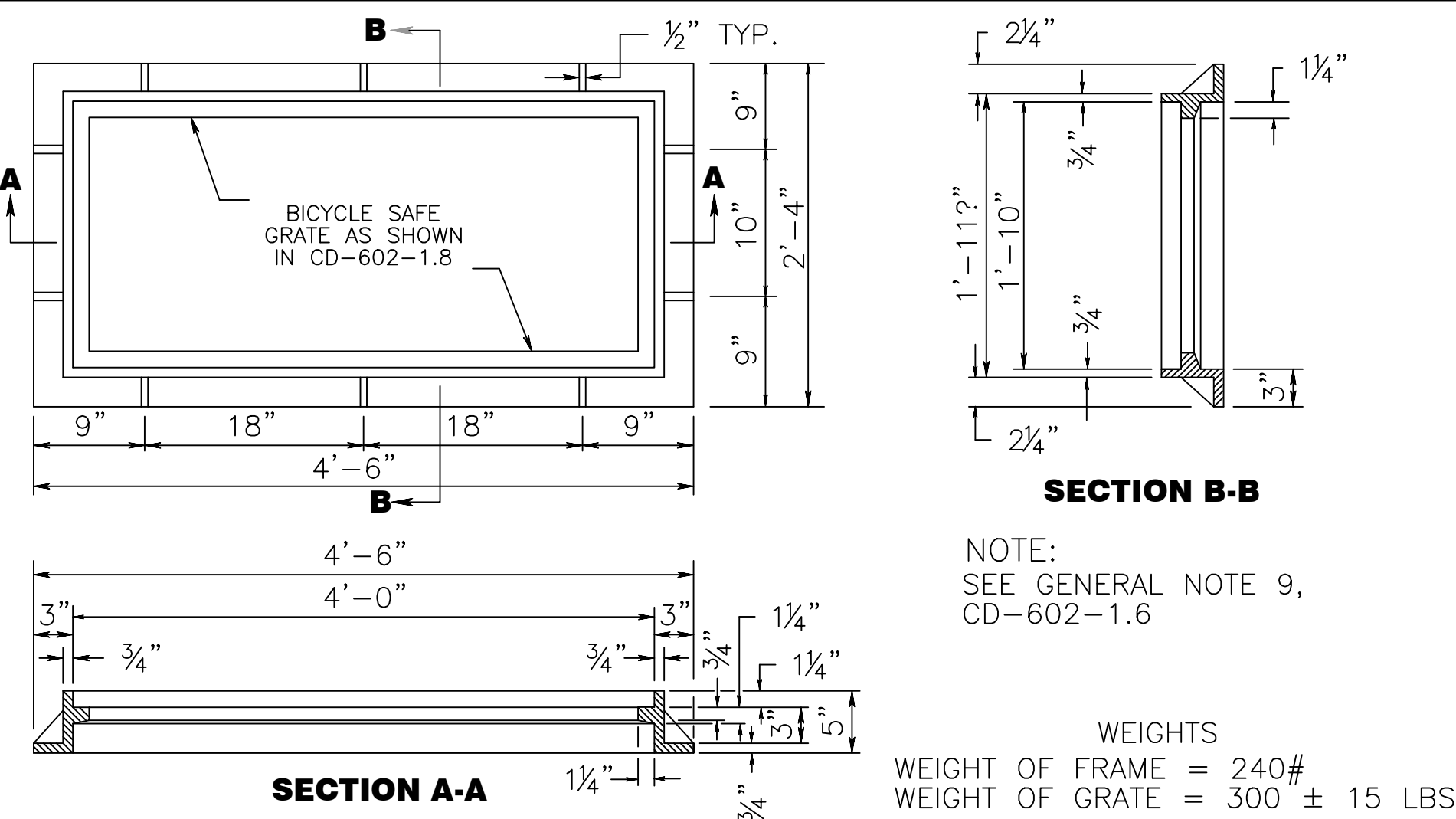
6"	= 125#
8"	= 167#
10"	= 209#
12"	= 251#

NOTES:

1. SEE ALTERNATE BACK PLATE DETAIL CD-602-2.5
2. SEE GENERAL NOTE 9, CD-602-1.6
3. THE CLEAR SPACE IN THE CURB OPENING OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS TWO OR MORE CLEAR SPACES, MUST HAVE AN AREA OF NO MORE THAN SEVEN (7.0) SQUARE INCHES, OR BE NO GREATER THAN TWO (2.0) INCHES ACROSS THE SMALLEST DIMENSION.
4. STORM DRAIN INLET LABEL TO READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE RE. INCLUDE FISH LOGOS ON BOTH SIDES OF THE LABEL.
5. FOR 2" CURB PIECE, USE DRIVEWAY ACCESS PLATE - SEE CD-602-2A.1

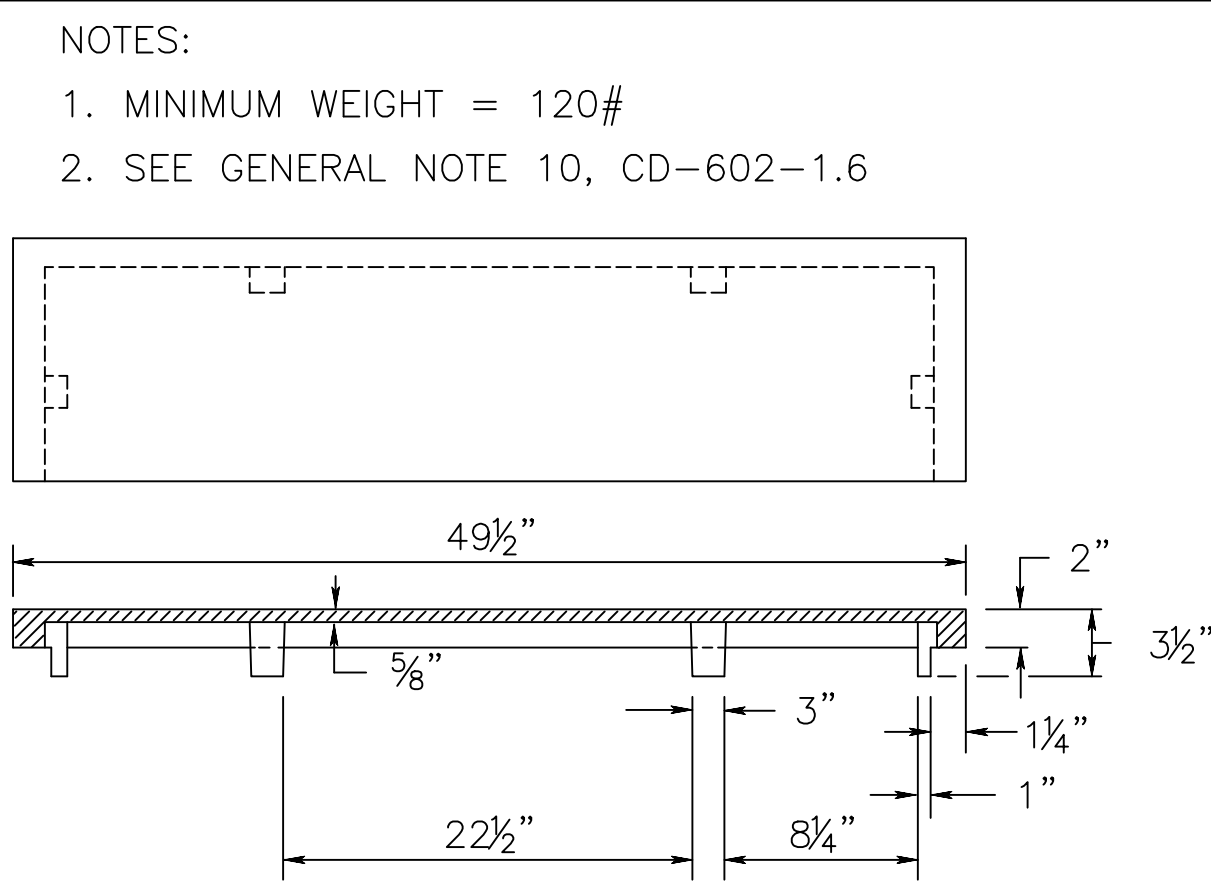
INLET TYPE B AND TYPE C CASTING

CD-602-2.6



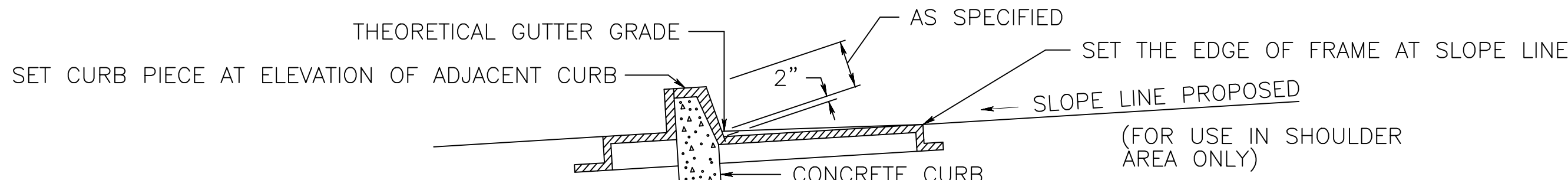
INLET TYPE A CASTING

CD-602-2.4



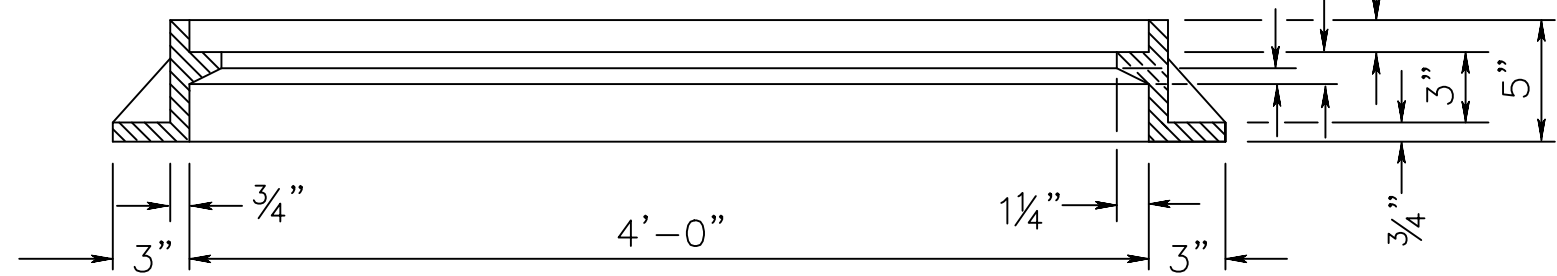
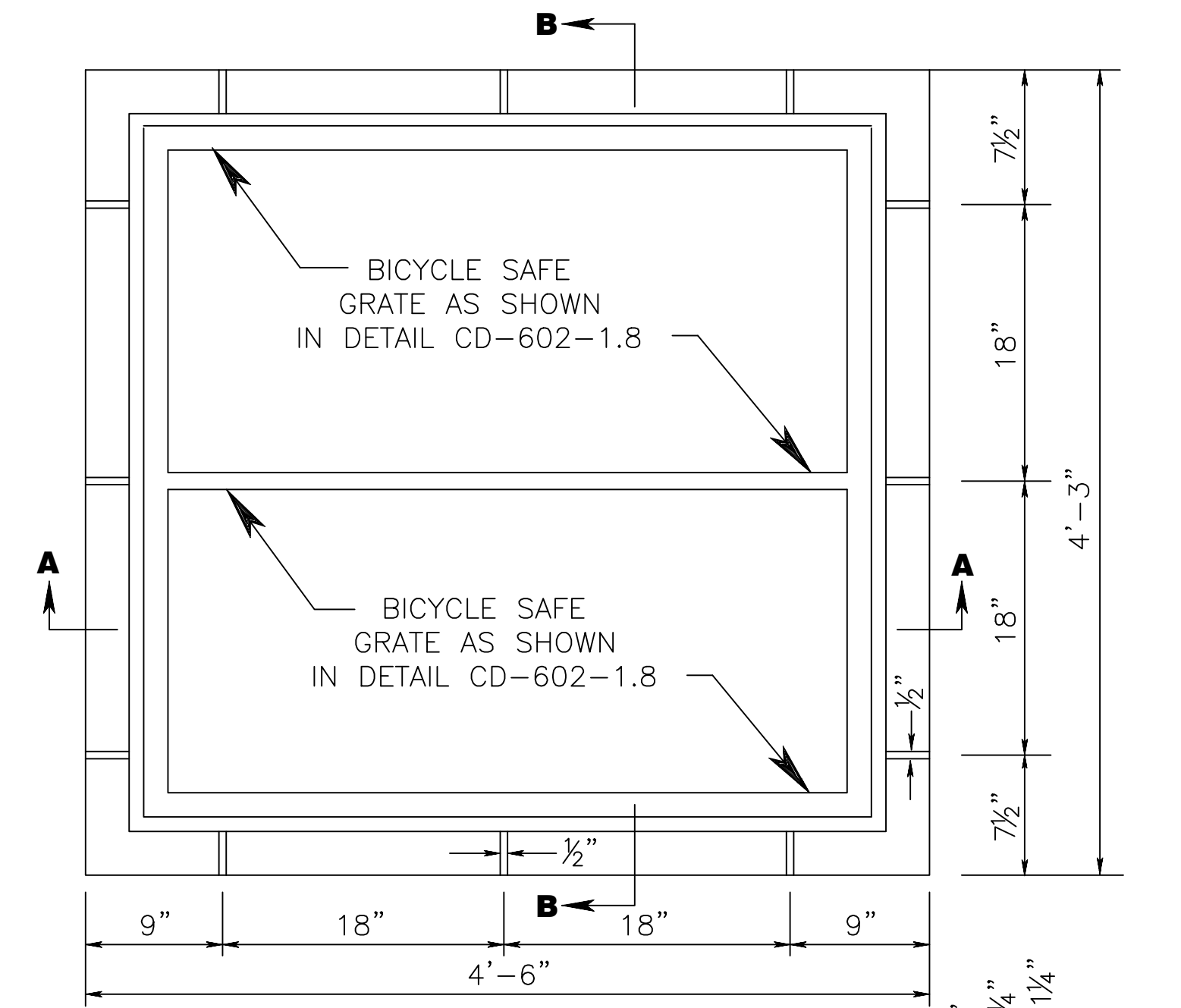
ALTERNATE BACK PLATE

CD-602-2.5

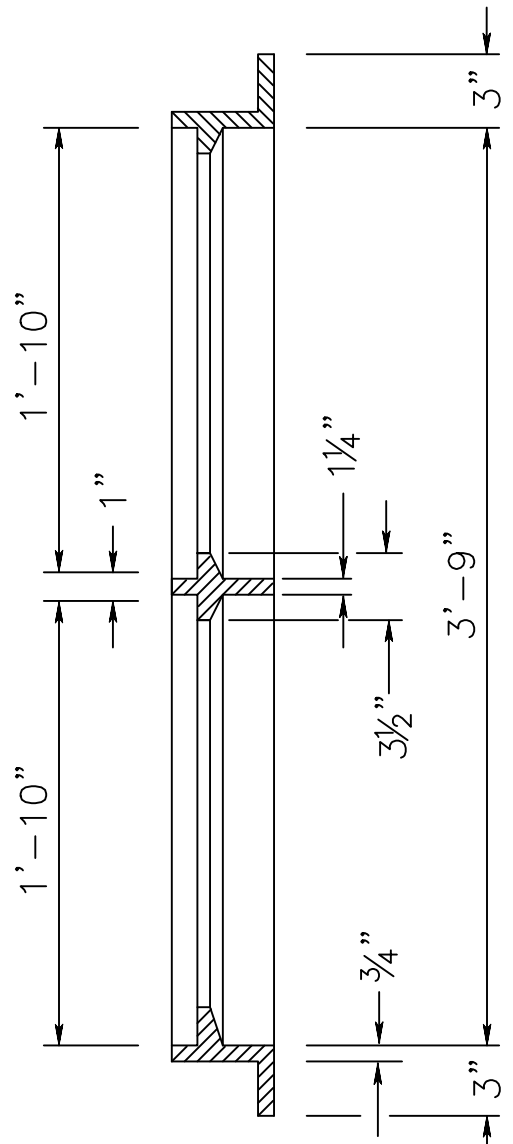


**METHOD OF SETTING CASTING FOR B TYPE INLET
WHERE CURB PIECE HEIGHT IS 2" GREATER THAN CURB FACE**

CD-602-2.7



SECTION A-A
FRAME FOR INLET, TYPE E

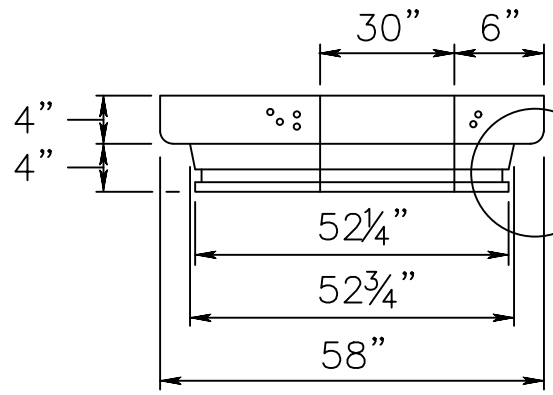


SECTION B-B

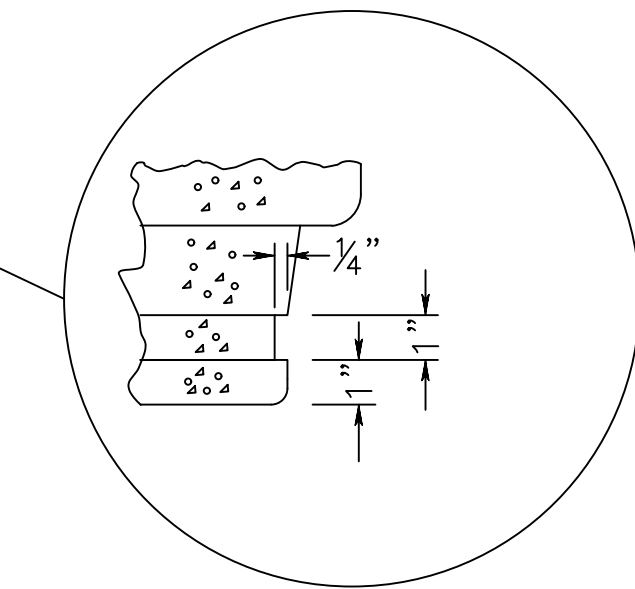
WEIGHT OF FRAME = 435#
WEIGHT OF EACH GRATE = 300 ± 15 LBS

NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

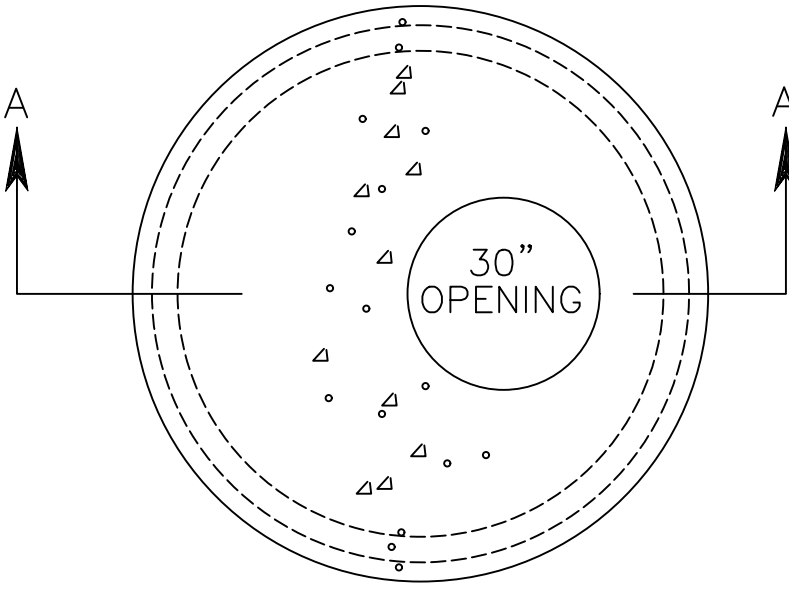
CD-602-4.3



SECTION A-A



**GROOVE FOR "O" RING
RUBBER GASKET**

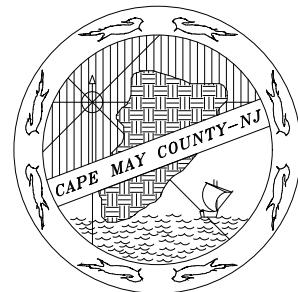


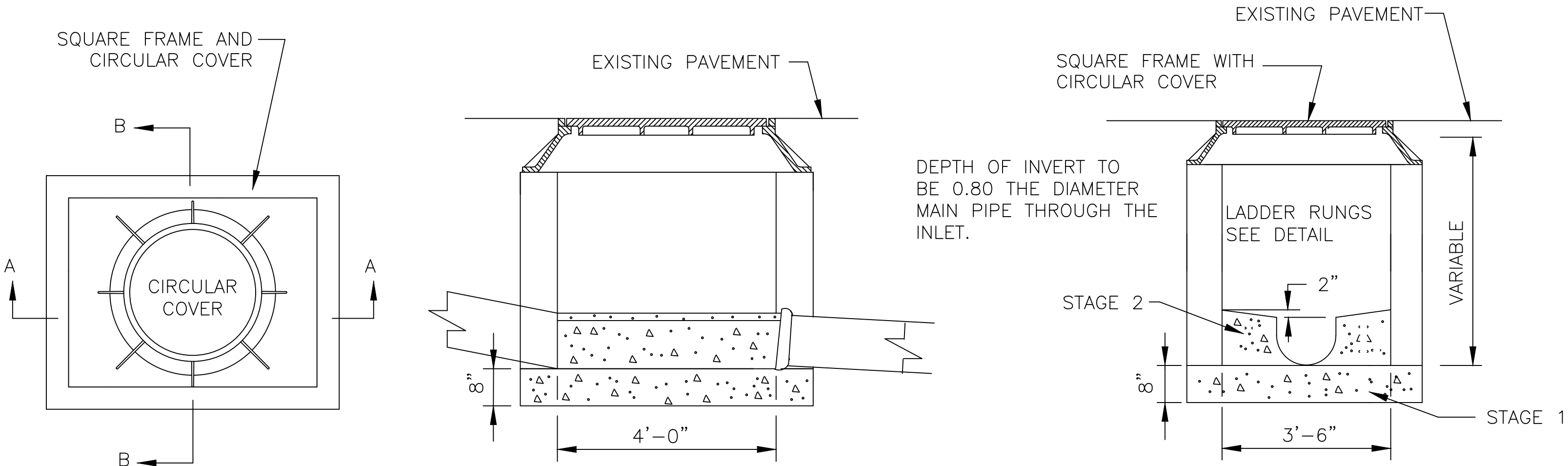
PLAN

NOTE:
USE IN LIEU OF CONICAL SECTION WHEN
HEIGHT OF MANHOLE IS LESS THAN 4 FEET

48" PRECAST REINFORCED CONCRETE MANHOLE FLAT TOP

CD-602-9.2

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION DETAILS		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER				
							DRAWN BY: JC	APRIL 2023	SCALE:	SHEET 46 OF 52	
							APPROVED: 04-2023				
				BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	CD-3		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				
BY	REVISION		CHK.	DATE							



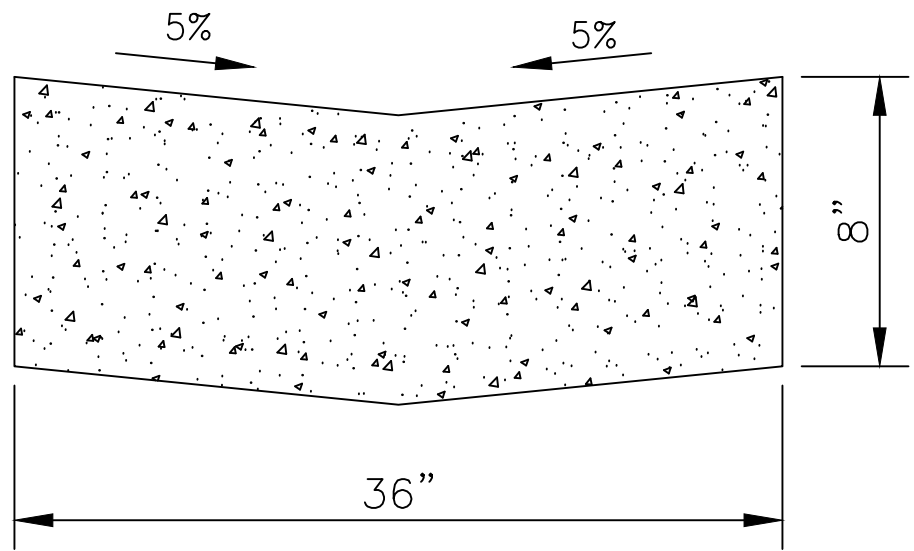
SECTION A-A

SECTION B-B

- NOTES:**
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.

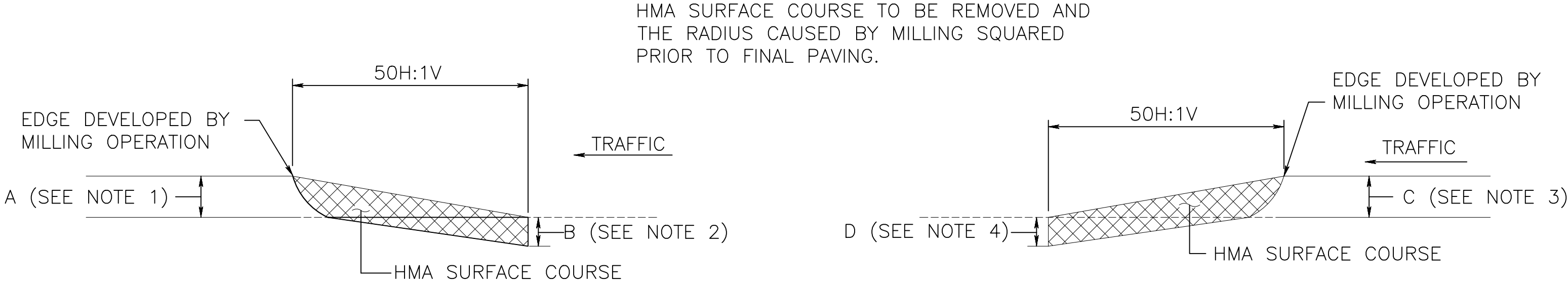
MANHOLE, SQUARE FRAME, CIRCULAR COVER

N.T.S.



CONCRETE ROCKER GUTTER

N.T.S.

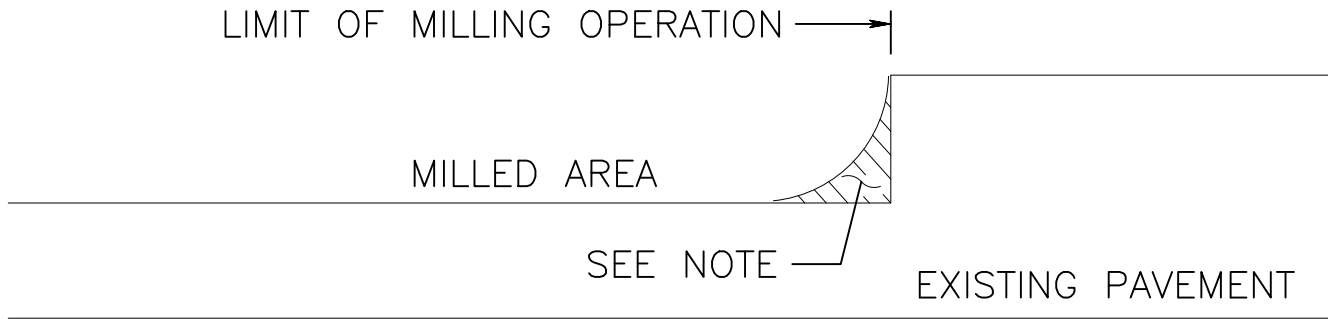


NOTES:

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.

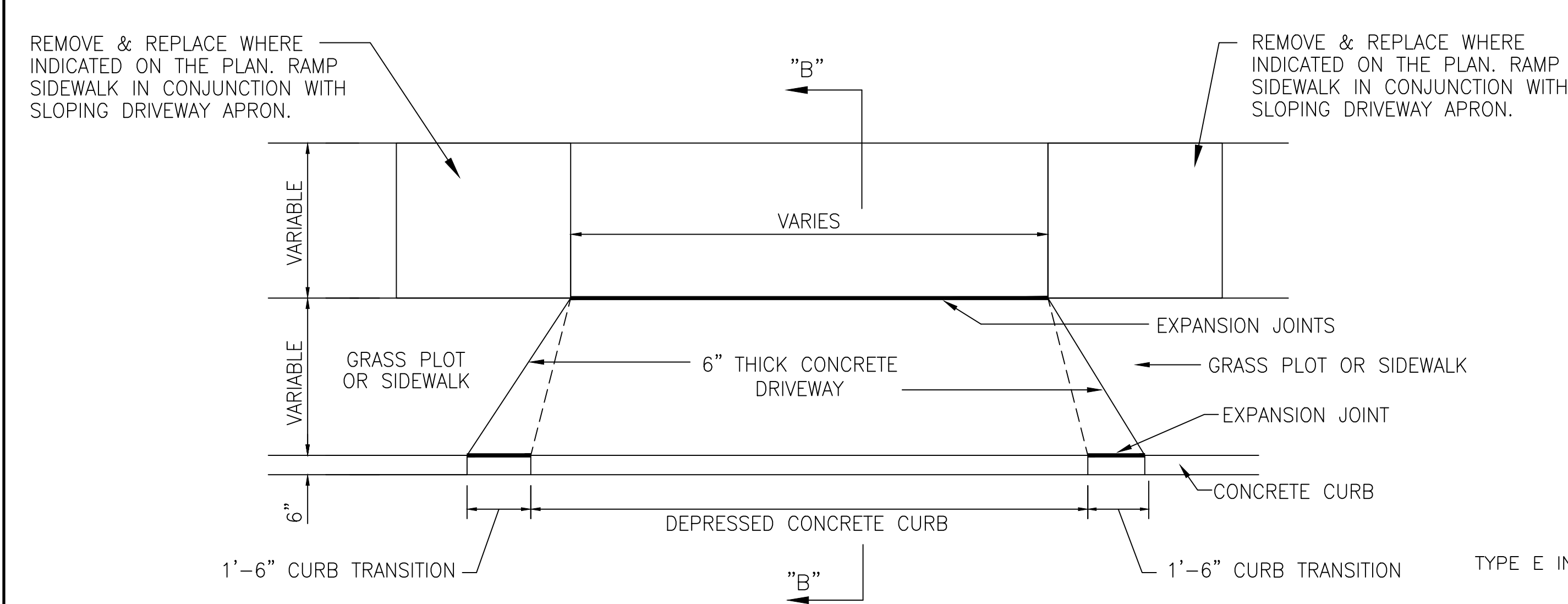
END TREATMENT FOR MILLING OPERATIONS

CD-401-1.2

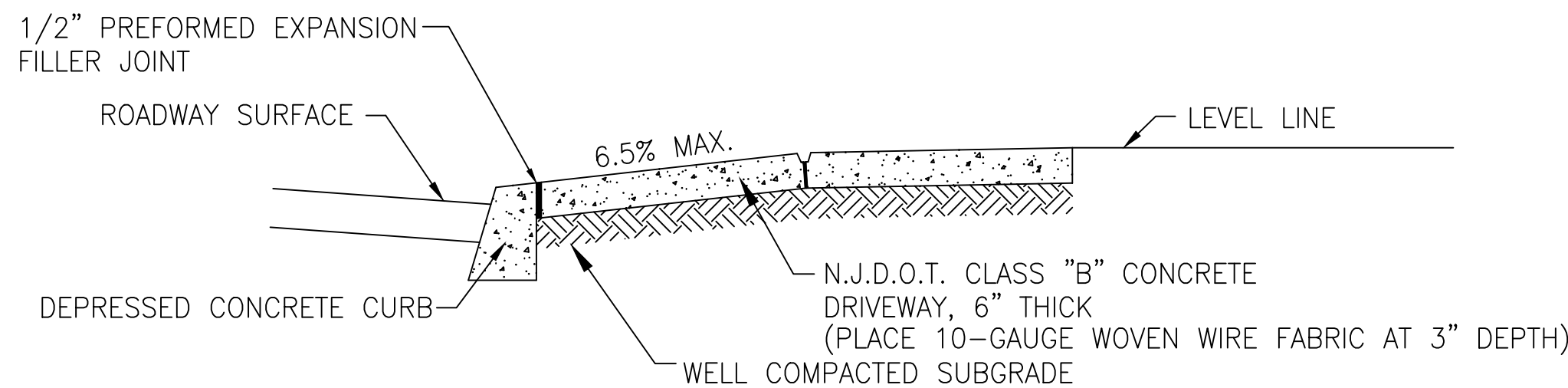
TYPICAL TRENCH DETAIL FOR PIPE

N.T.S.

				RESURFACING OF THIRD AVENUE (CR 619)	CONSTRUCTION DETAILS		COUNTY OF CAPE MAY OFFICE OF THE COUNTY ENGINEER
							DRAWN BY: JC APRIL 2023 SCALE: SHEET 47 OF 52
							APPROVED: 04-2023 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO 24GE03994700 DATE
BY	REVISION	CHK.	DATE	BOROUGH OF STONE HARBOR, CAPE MAY COUNTY	CD-4		MICHAEL P. O'DONNELL, P.E. STANTEC CONSULTING SERVICES, INC. MOUNT LAUREL, NEW JERSEY C.O.A. No. 24GA2864600



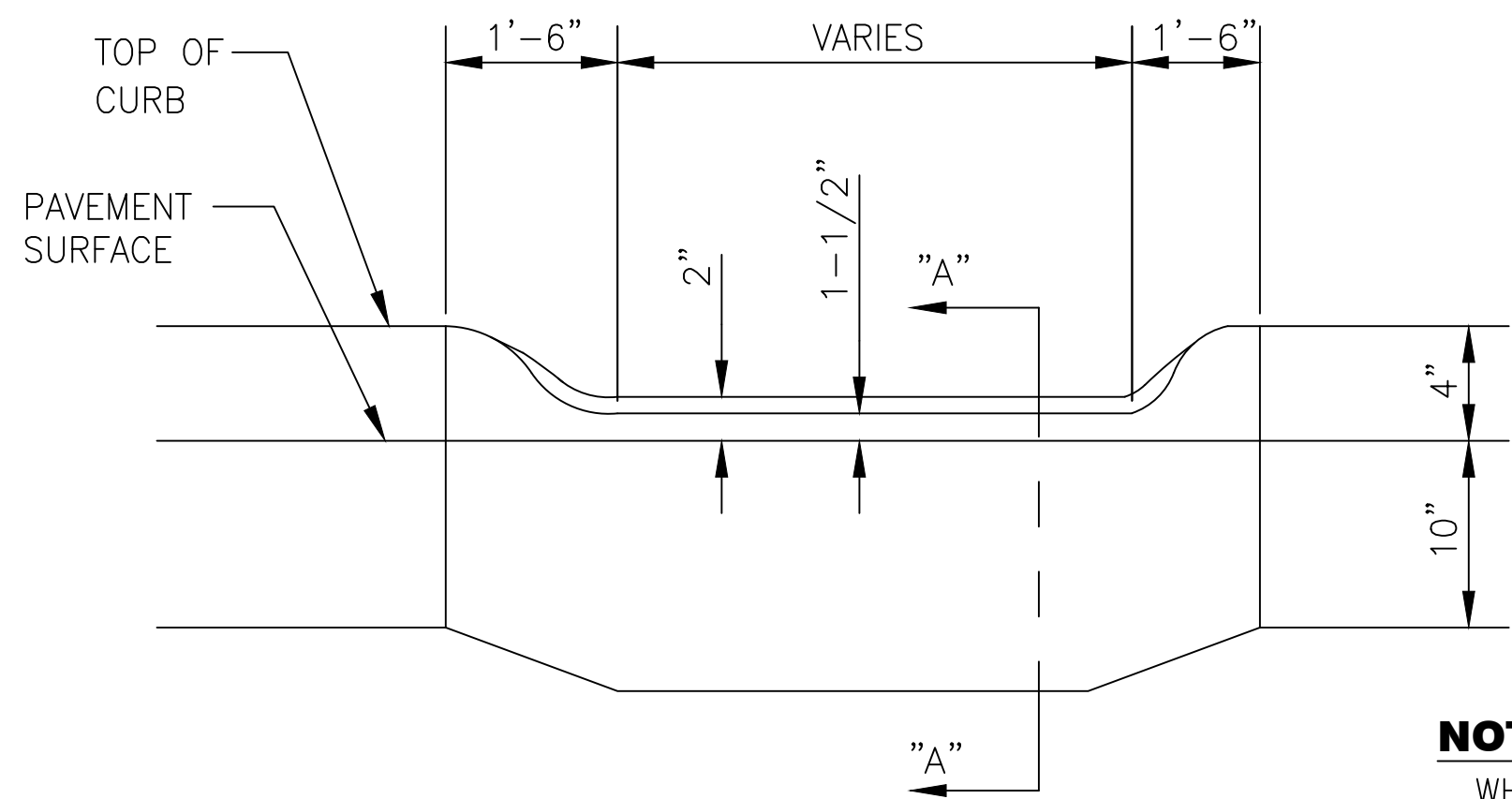
PLAN VIEW
N.T.S.



SECTION B-B
N.T.S.

CONCRETE DRIVEWAY, REINFORCED, 6" THICK

(APPLICABLE WITH STANDARD CURB)
N.T.S.



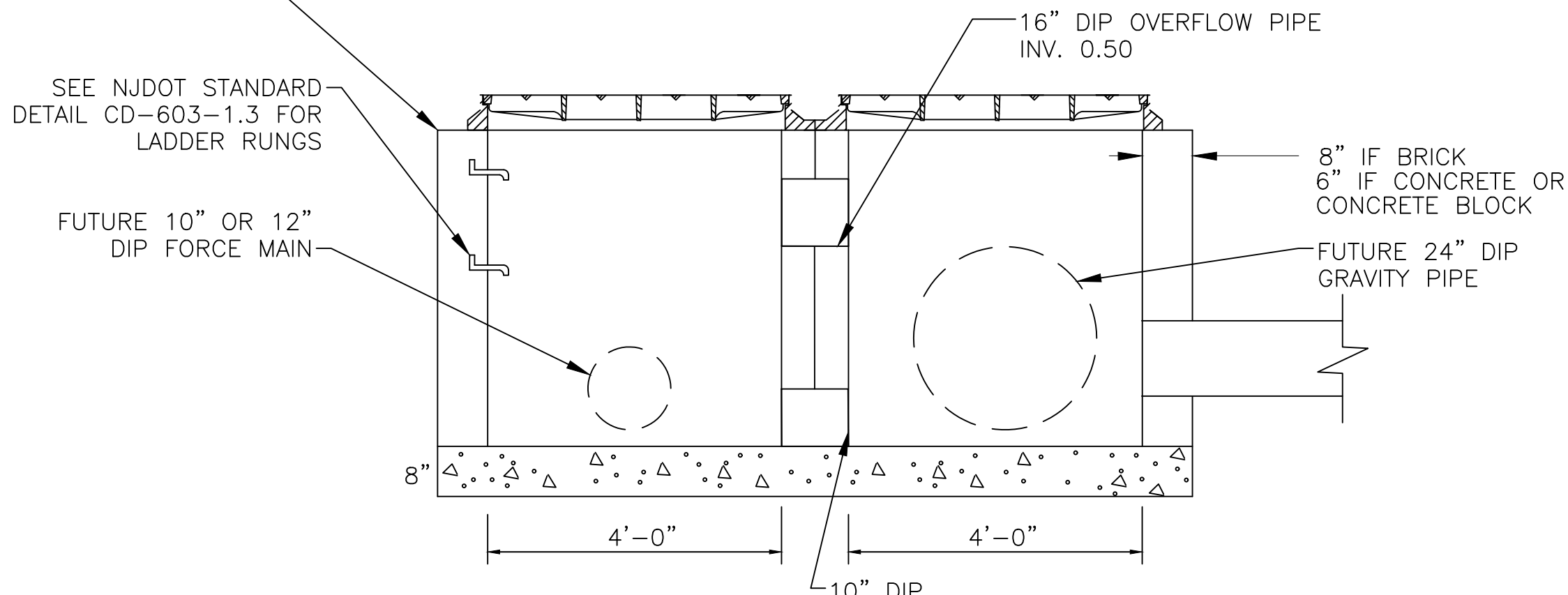
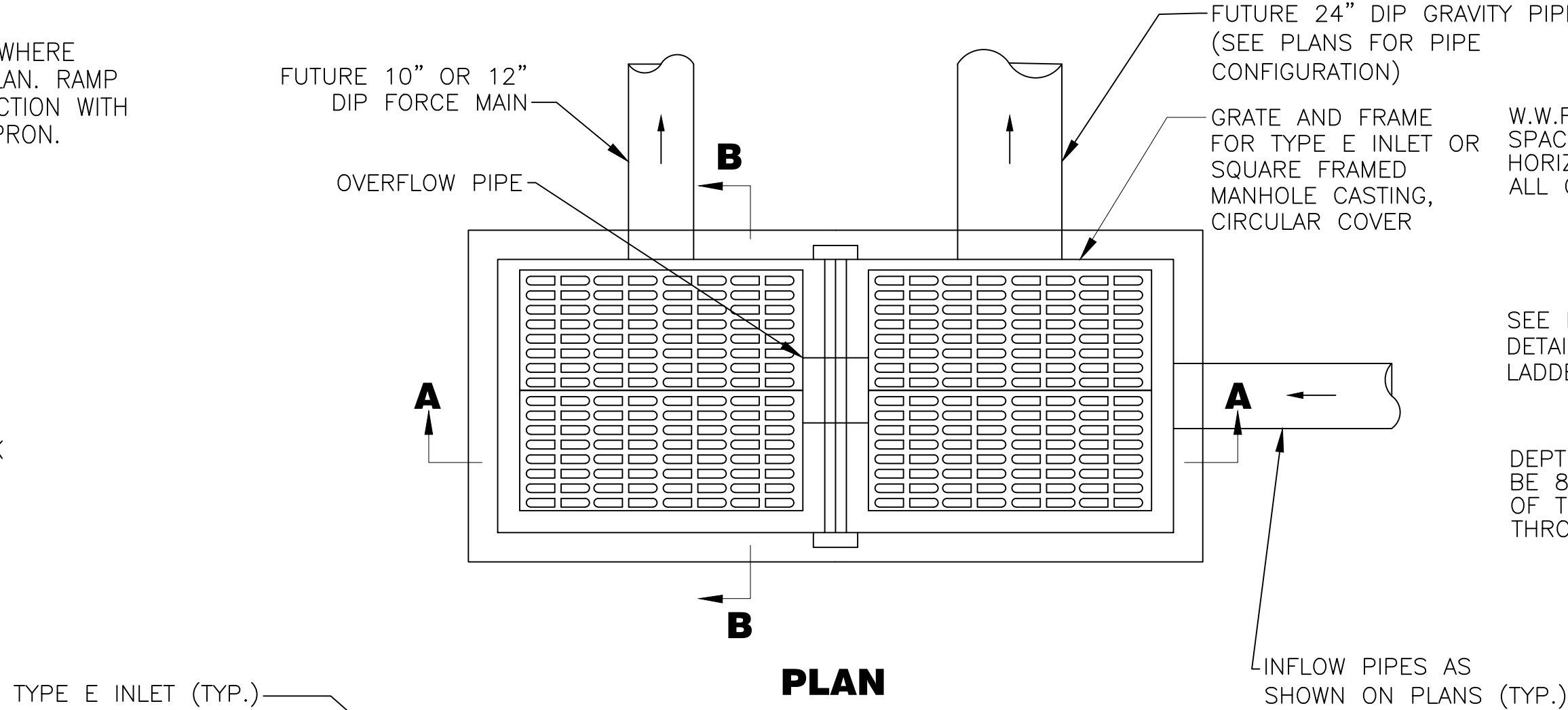
ELEVATION

DEPRESSED CURB DETAIL

N.T.S.

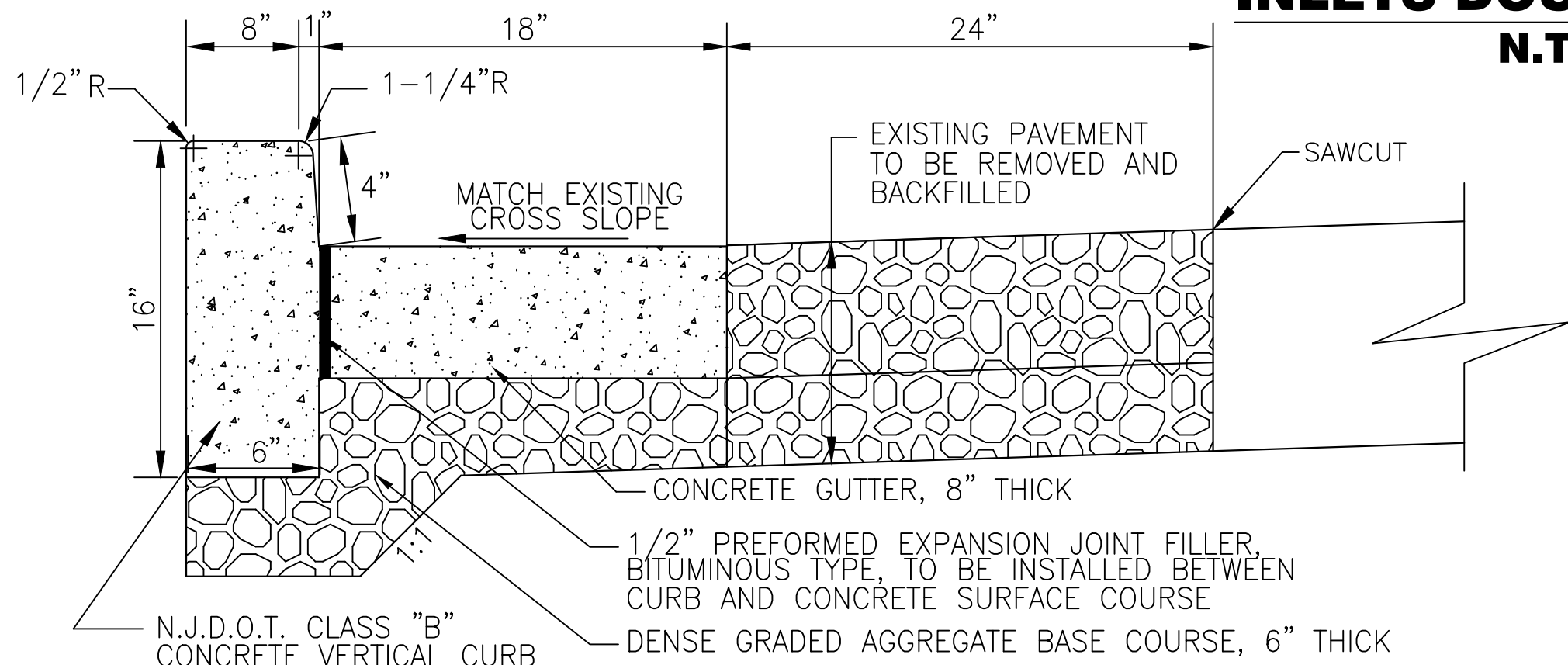
NOTE:
WHERE DEPRESSED CURB IS LOCATED AT PEDESTRIAN WALK, A.D.A. REGULATIONS TO BE FOLLOWED

SECTION "A-A"



SECTION A-A

INLETS DOUBLE TYPE E
N.T.S.

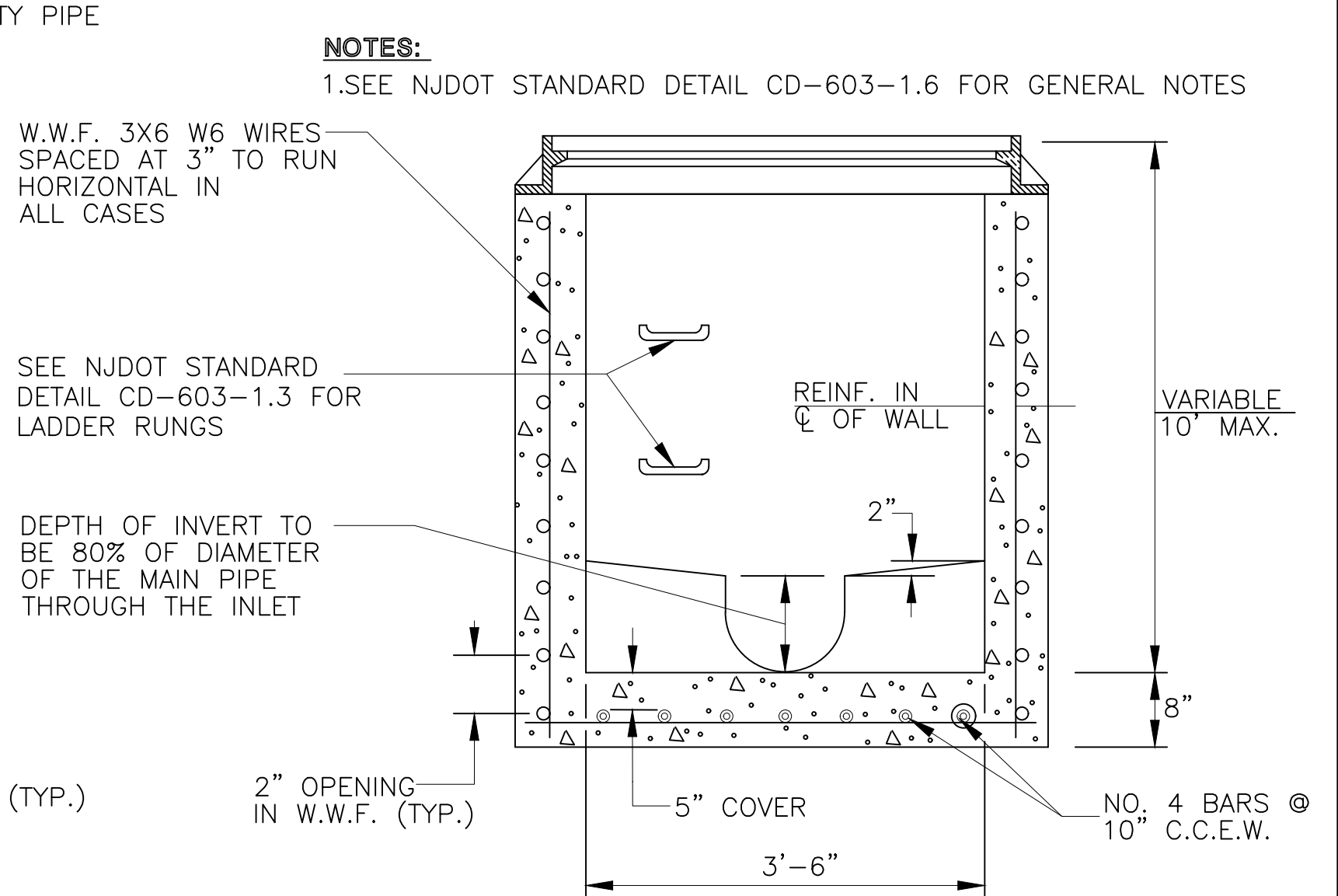


NOTES

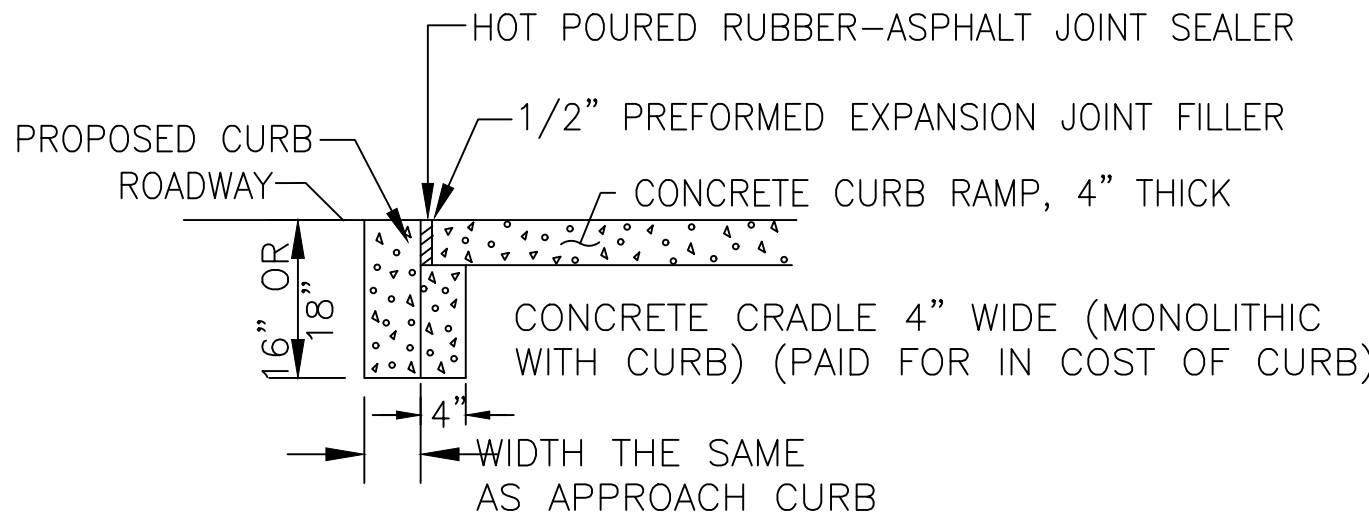
1. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 10'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.
2. EXPANSION JOINTS THRU AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.
3. BACKFILL 24" TRENCH WITH DGA. COMPACT DGA AND LEVEL TO MATCH EXISTING PAVEMENT SURFACE. REMOVE 5" OF DGA UPON START OF MILLING OPERATION. REMAINING DGA TO BE BASE FOR THE HMA BASE AND SURFACE COURSES.
4. THE COST OF THE DGA BEDDING AND BACKFILL TO BE INCLUDED IN THE COST OF THE CONCRETE GUTTER, 8"x18"

9" x 16" CONCRETE VERTICAL CURB
AND CONCRETE GUTTER, 8"x18"

N.T.S.

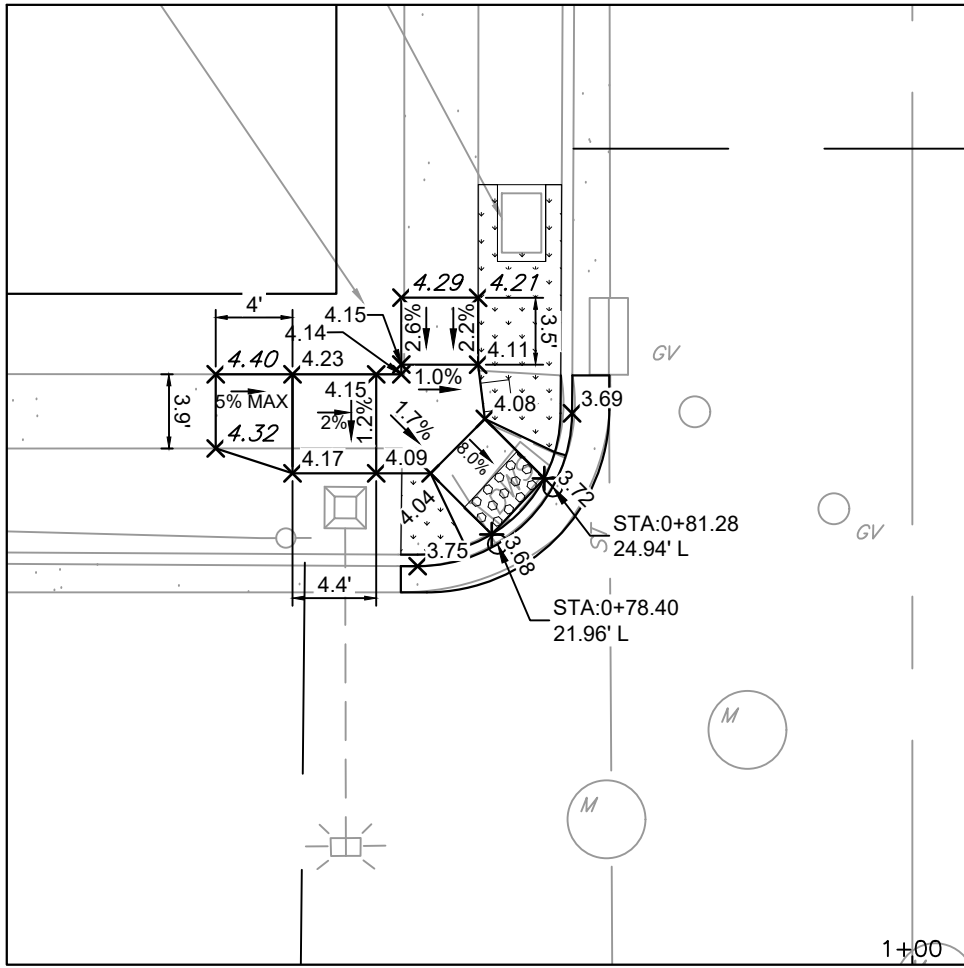


INLET TYPE E STATION:	STA 27+83	STA 41+75	STA 23+00
GRATE	3.11	2.99	2.88
PROPOSED 16" DIP IN	-1.50	-0.70	-
FUTURE 10" DIP FORCE MAIN	-2.50	-	-
FUTURE 12" DIP FORCE MAIN	-	-1.50	-
FUTURE 24" DIP GRAVITY PIPE	-2.50	-1.50	-
EXISTING PIPE IN			1.32
EXISTING PIPE OUT			0.82
SUMP FLOOR ELEVATION	-4.50	-3.50	-1.80

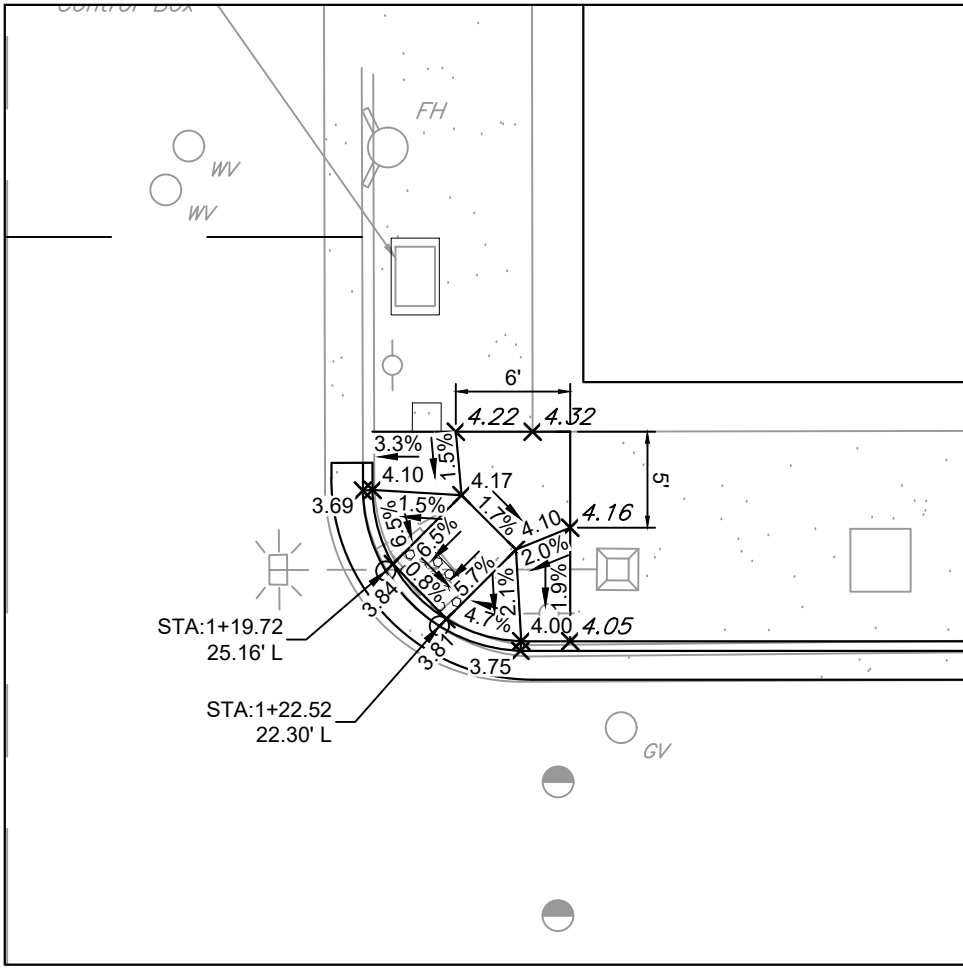


DROPPED CURB AND CRADLE AT CURB RAMP

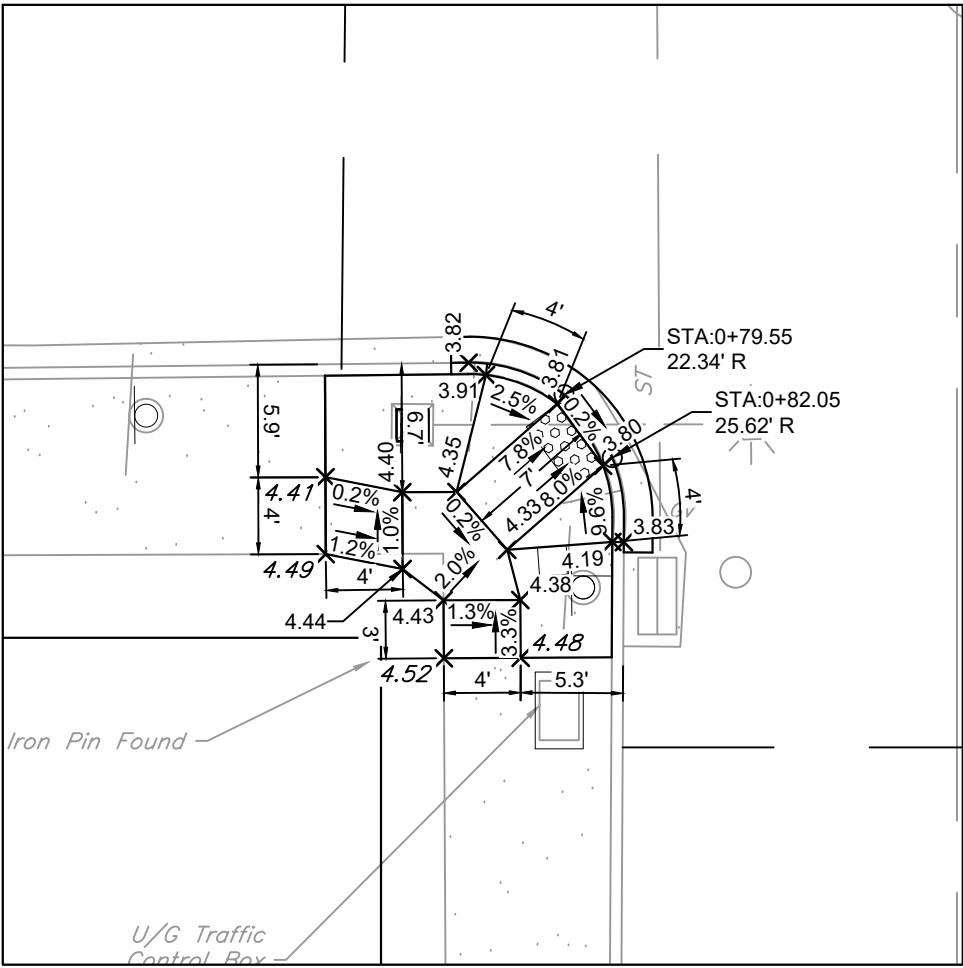
N.T.S.



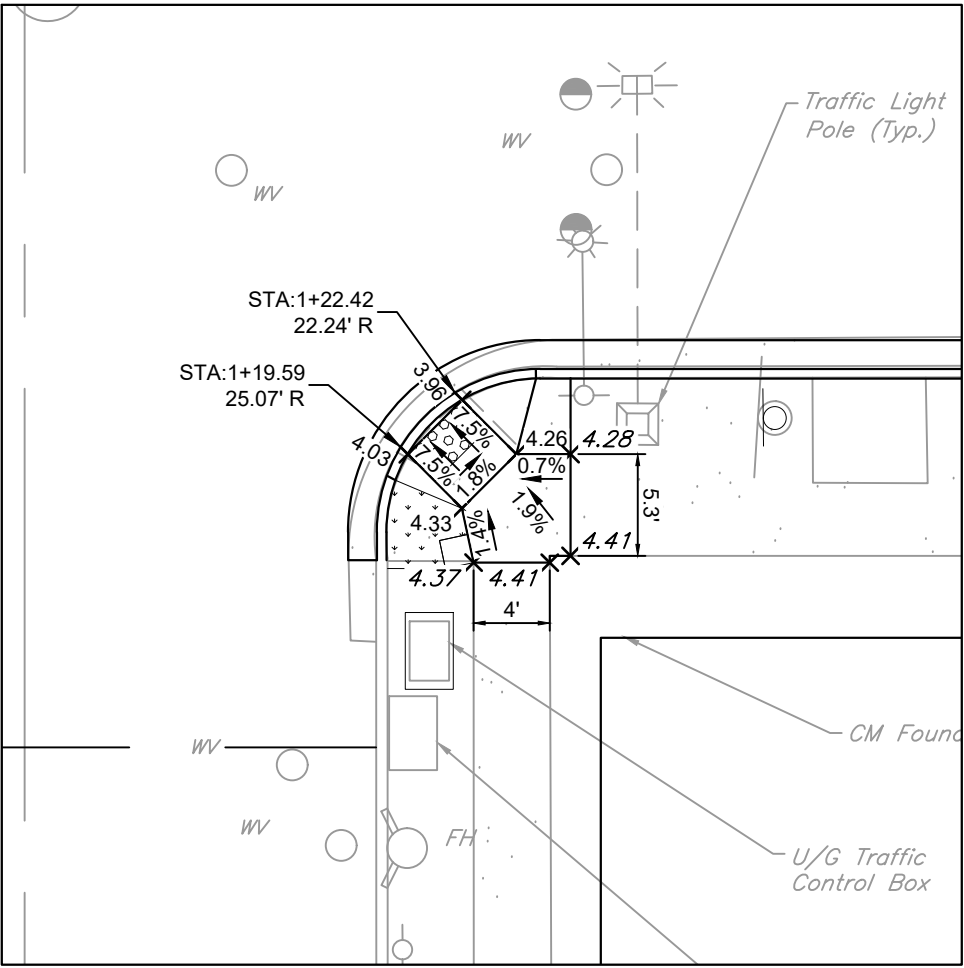
CURB RAMP 1
(TYPE 4)
SEE C-1



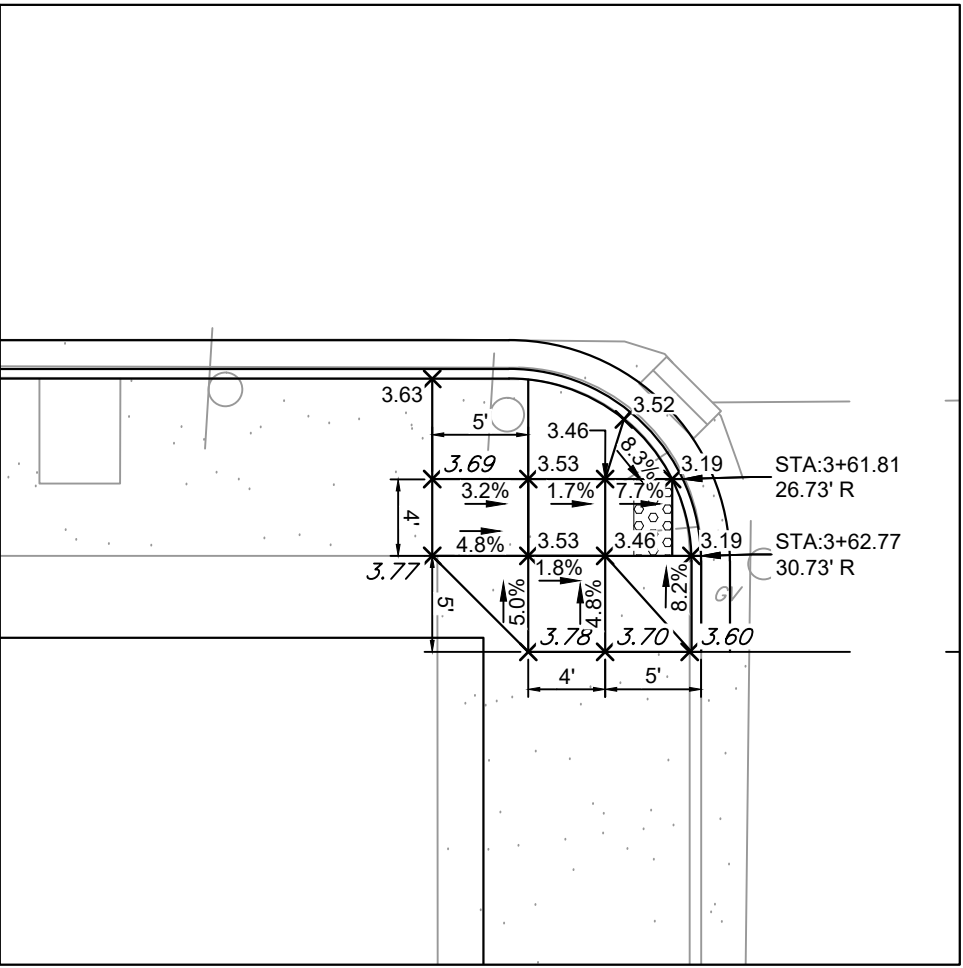
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SEE C-1



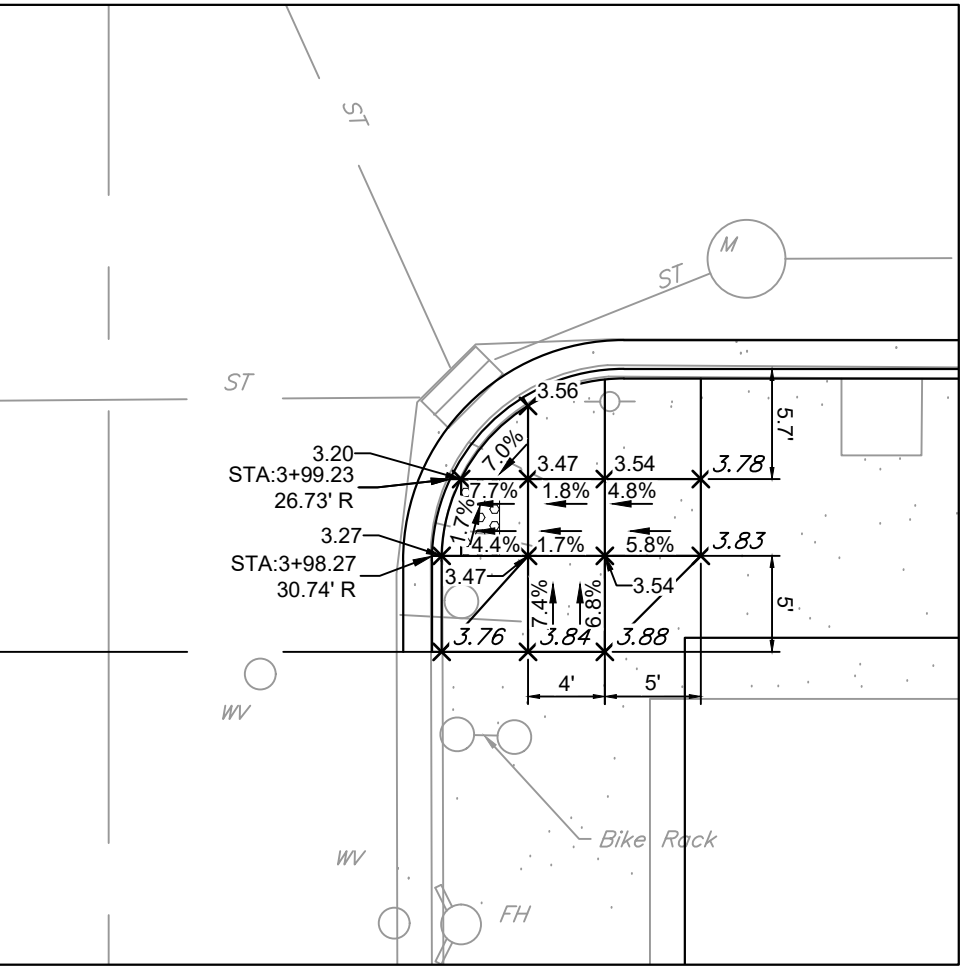
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(TYPE 3)
SEE C-1



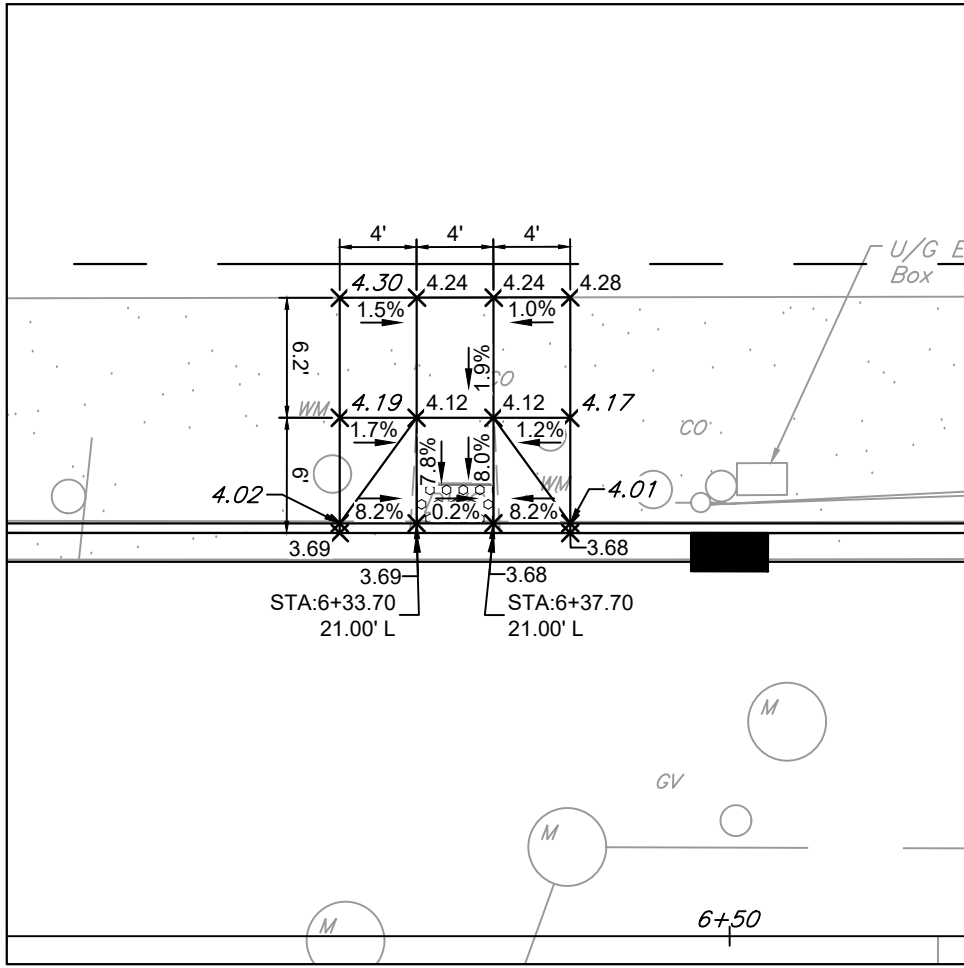
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SEE C-1



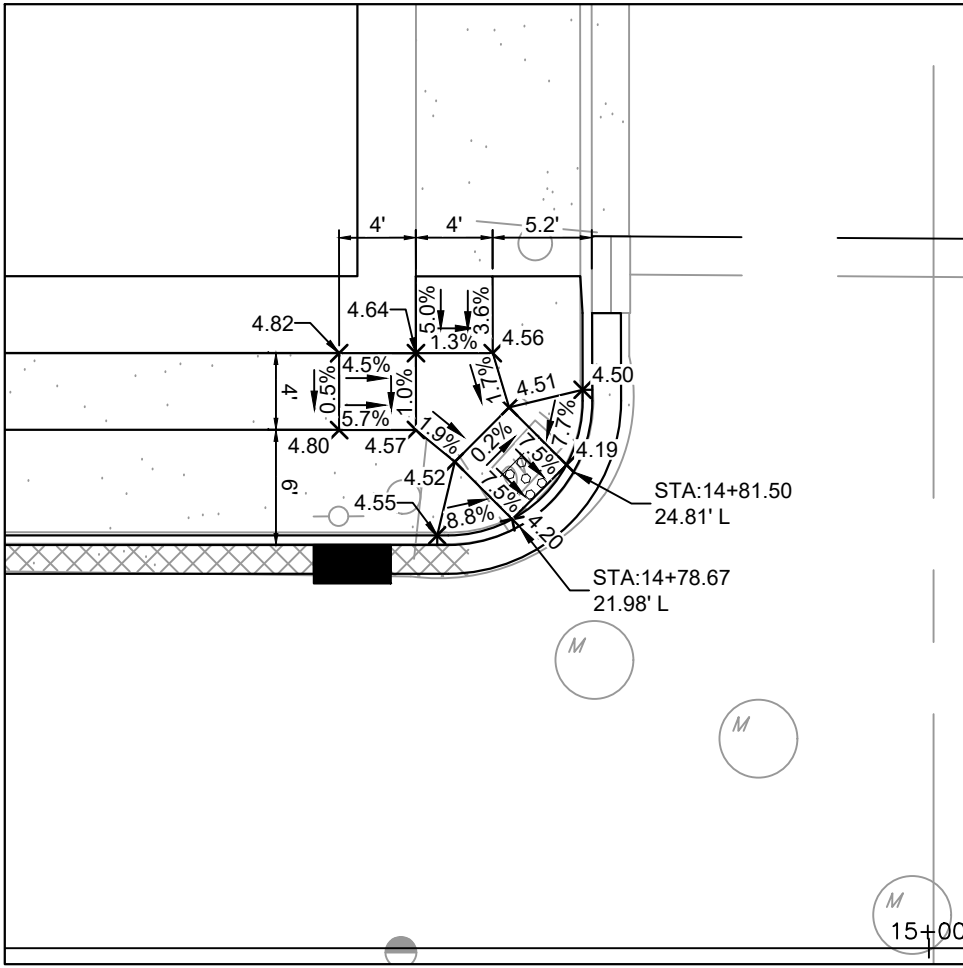
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SEE C-1



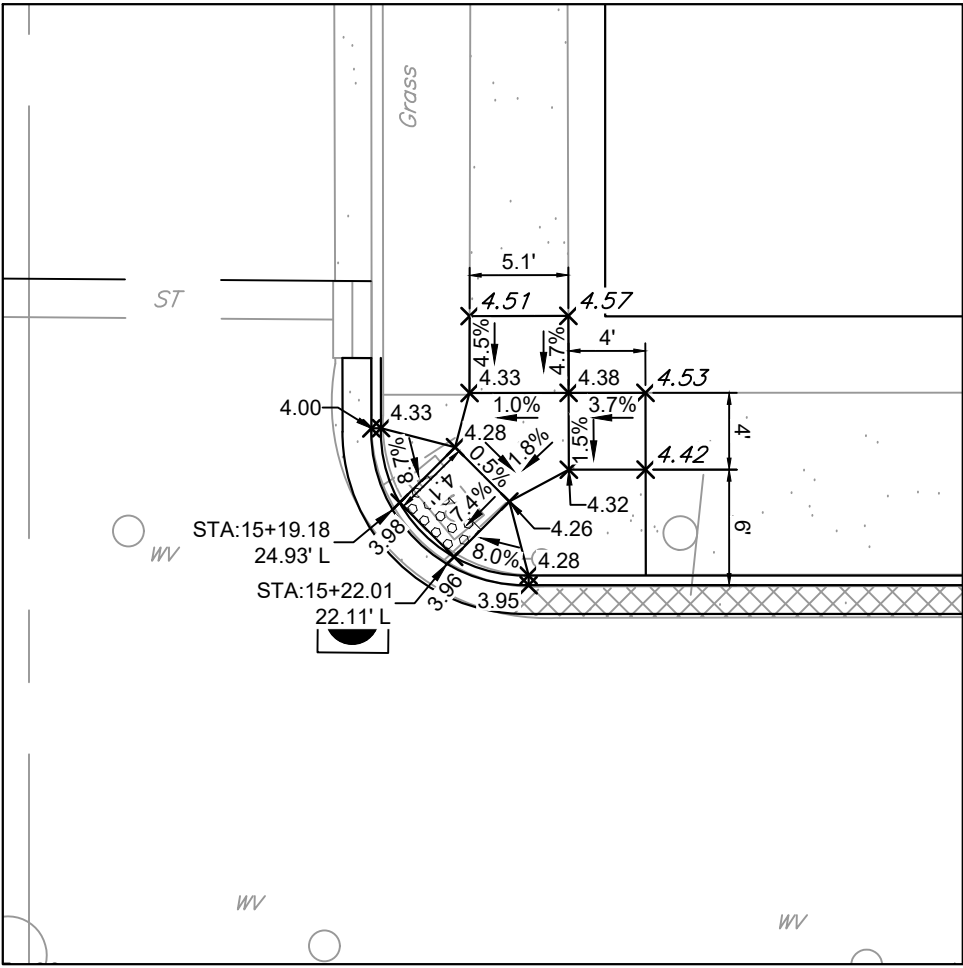
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SEE C-1



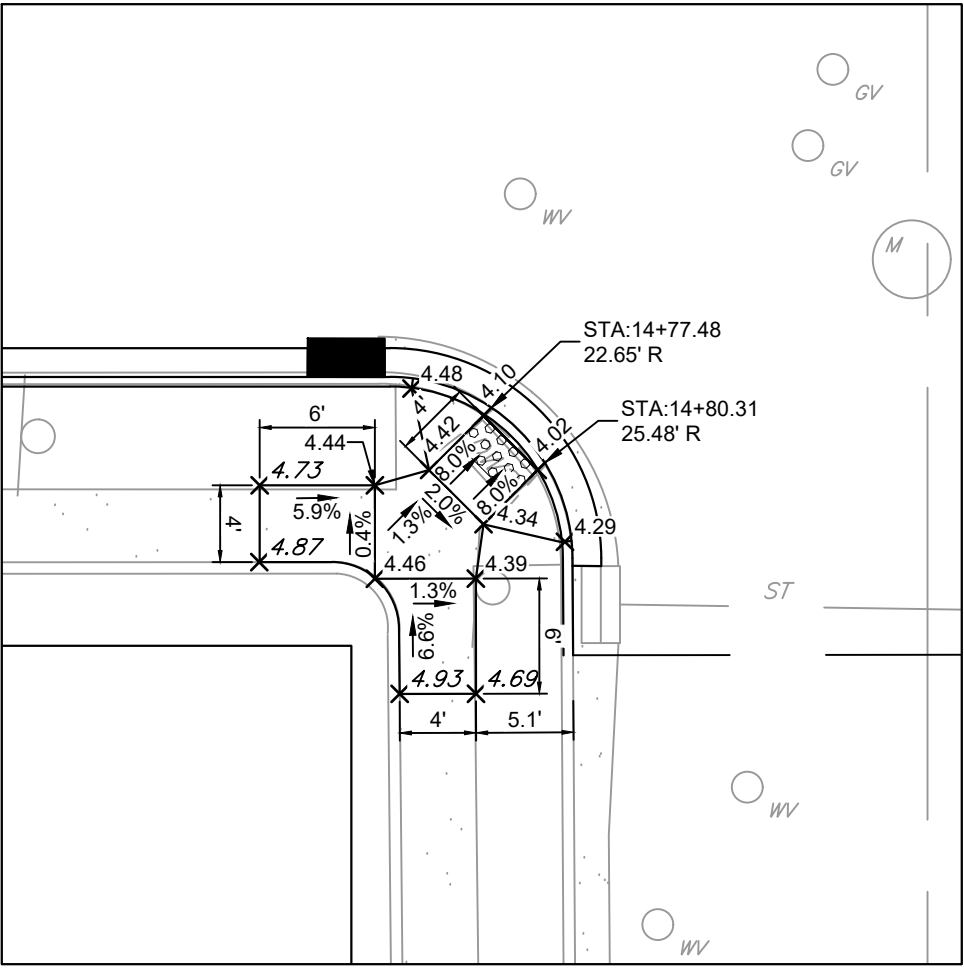
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SEE C-1



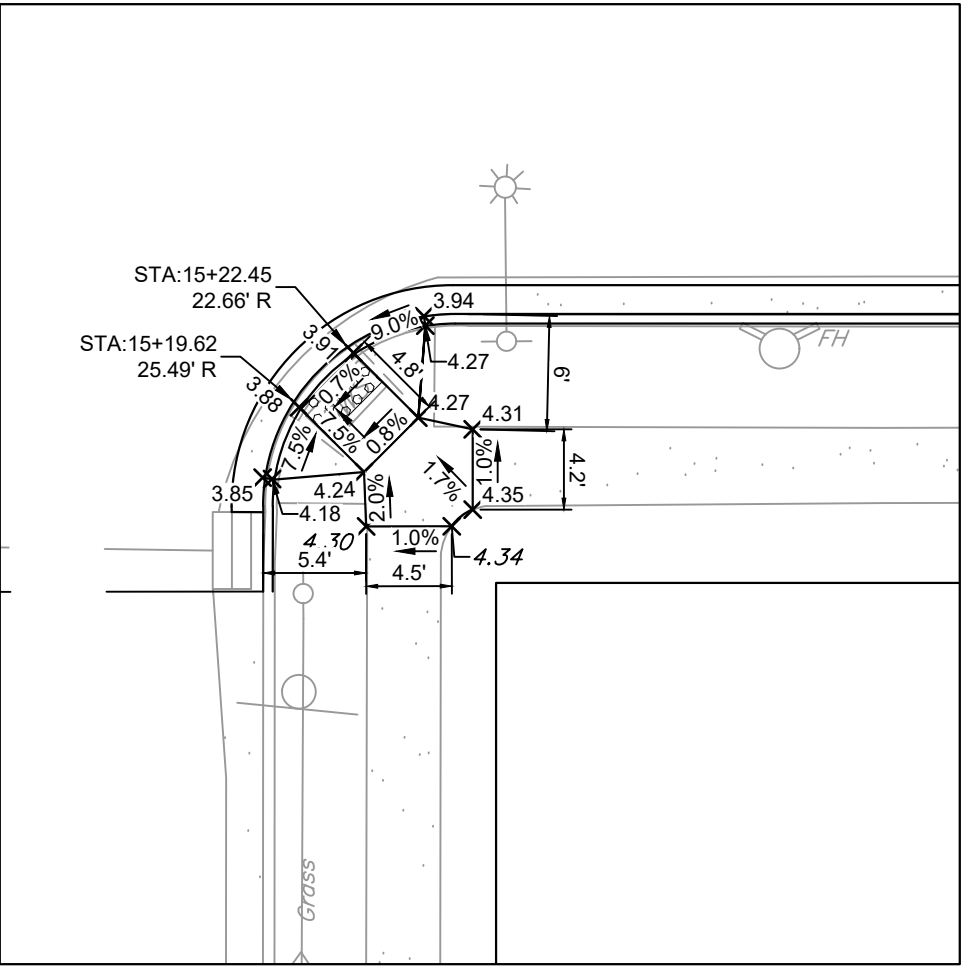
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SEE C-2



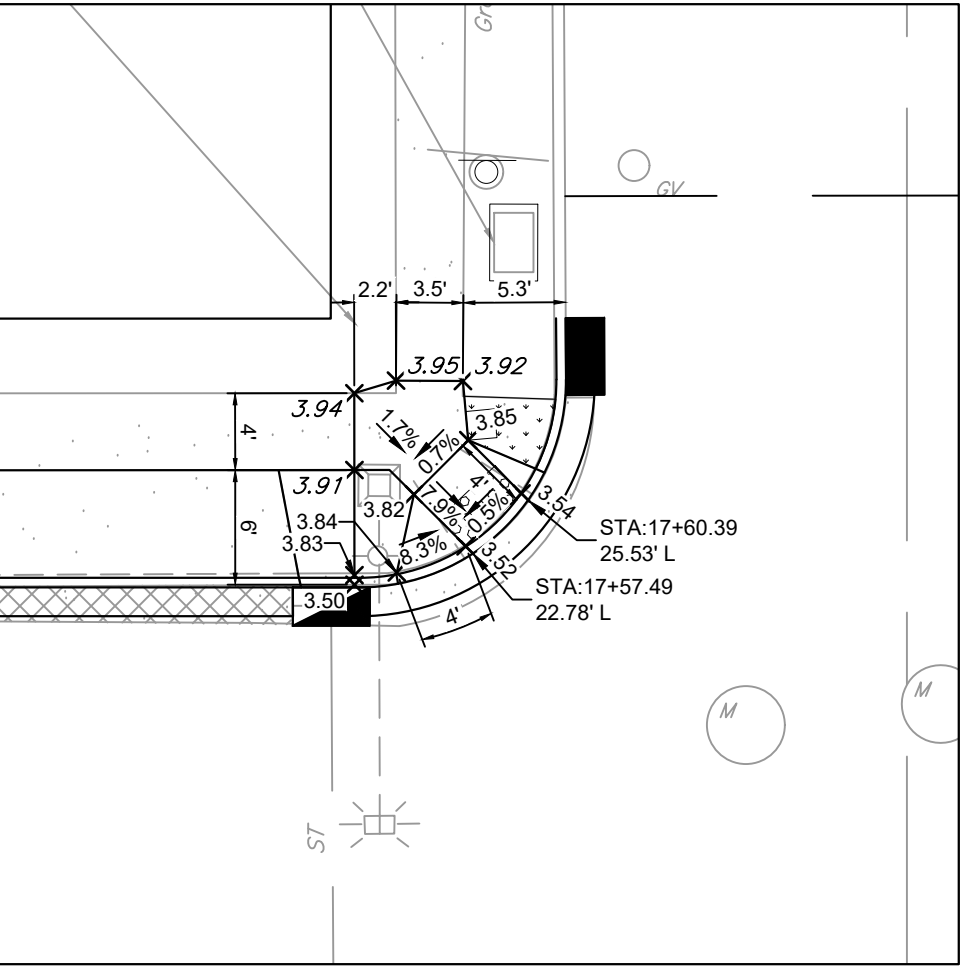
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SEE C-2



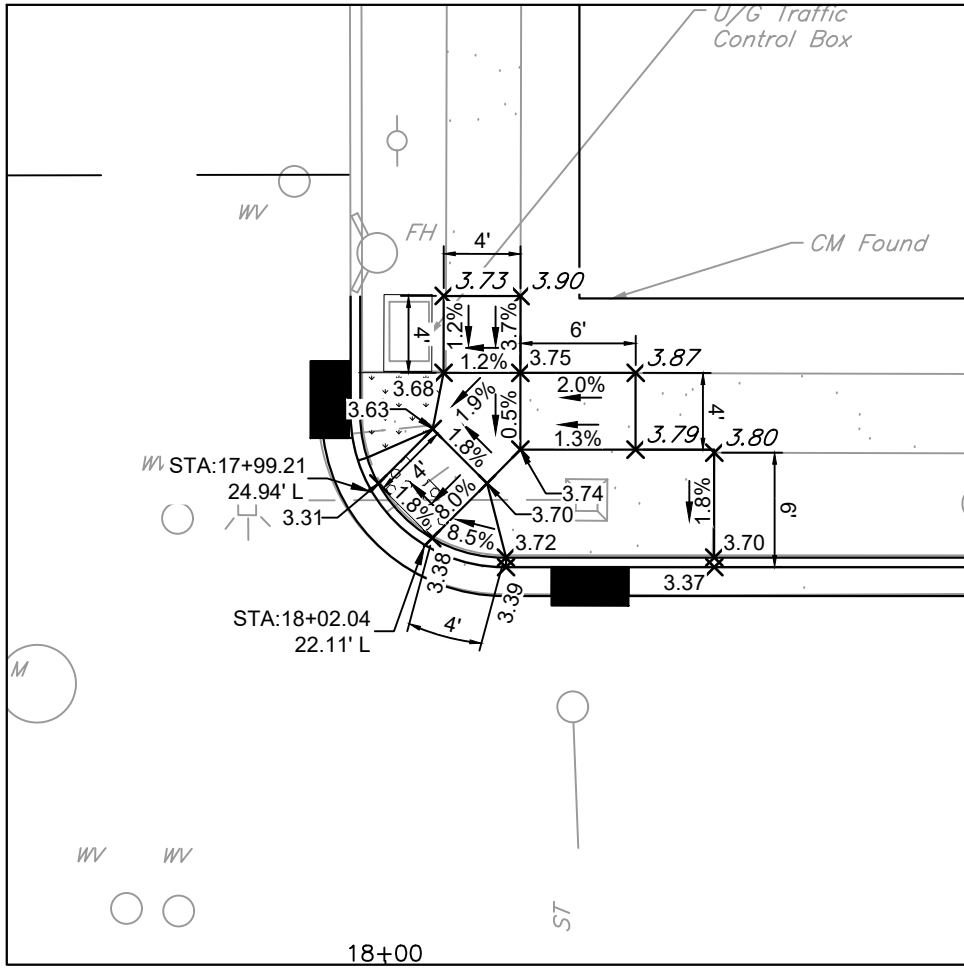
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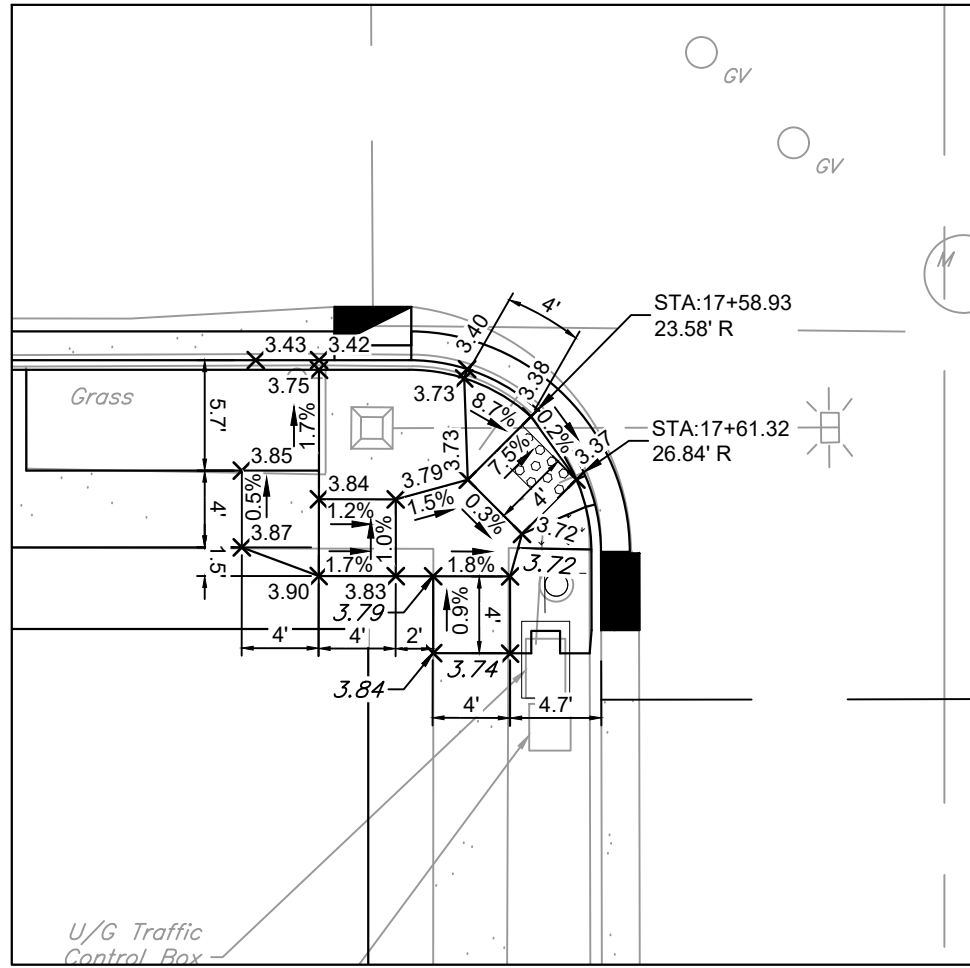
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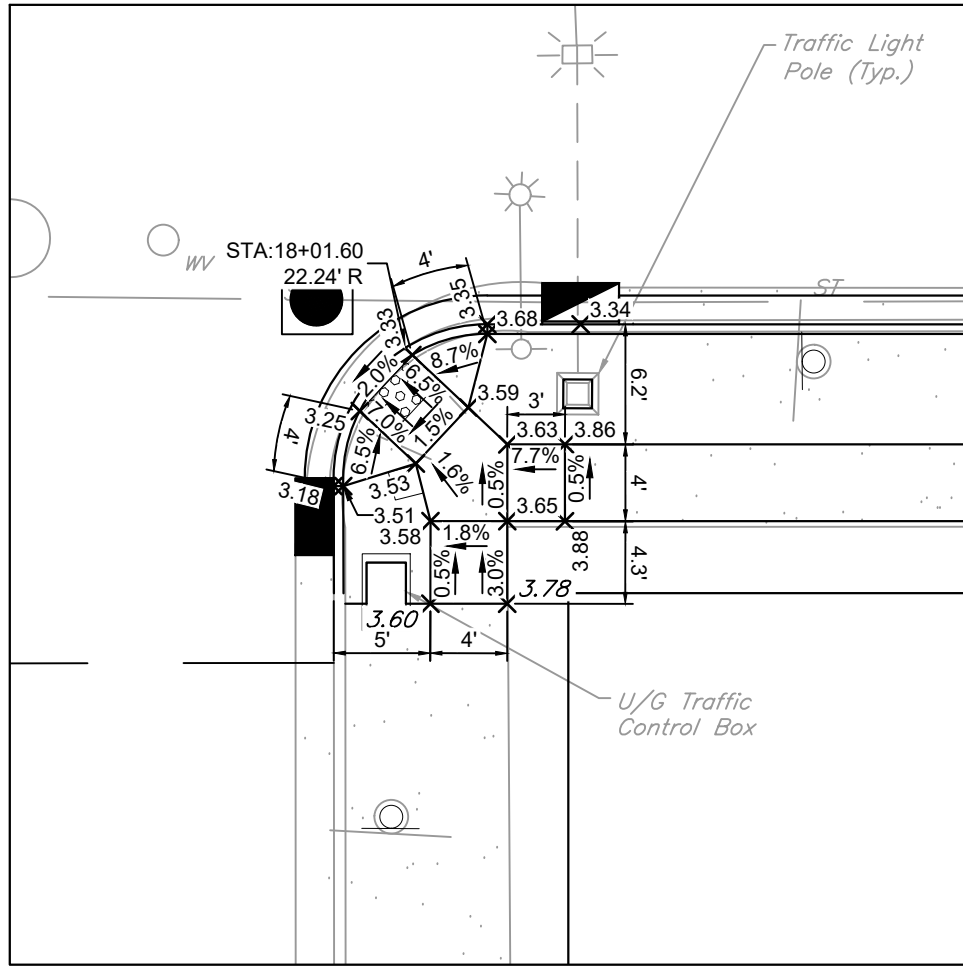
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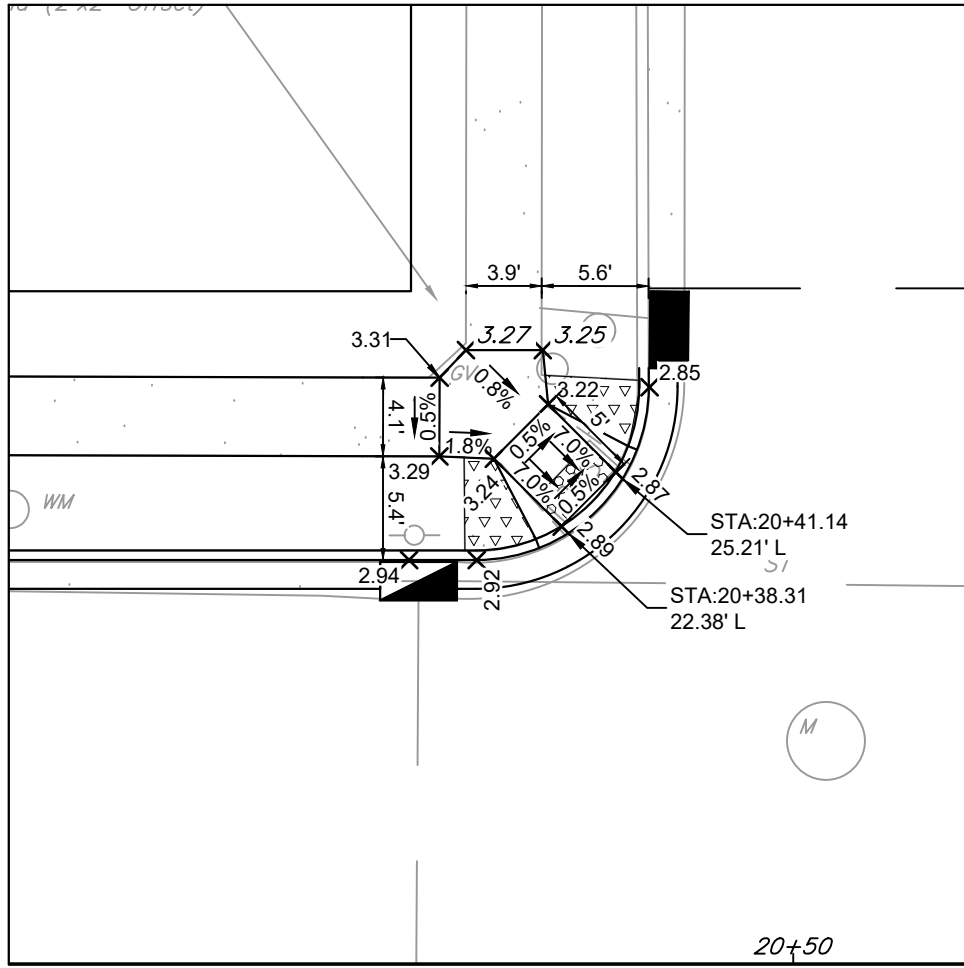
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SEE C-2



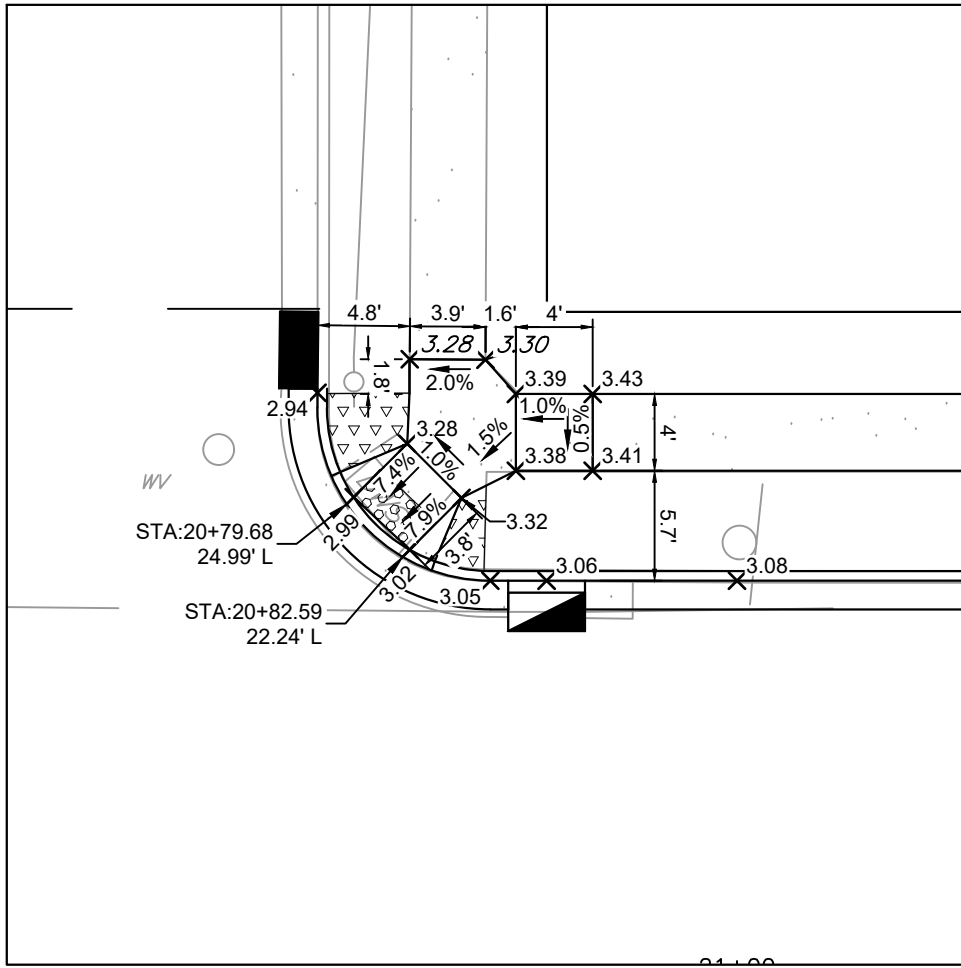
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SEE C-2



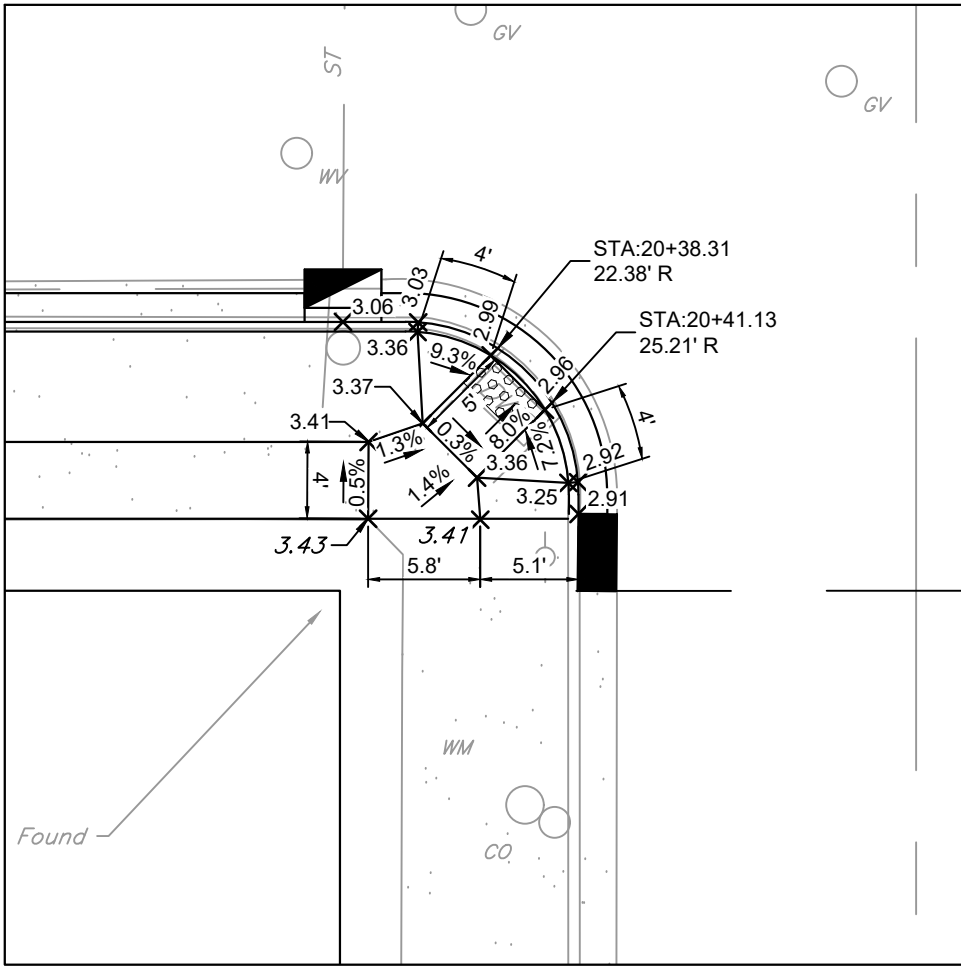
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SEE C-2



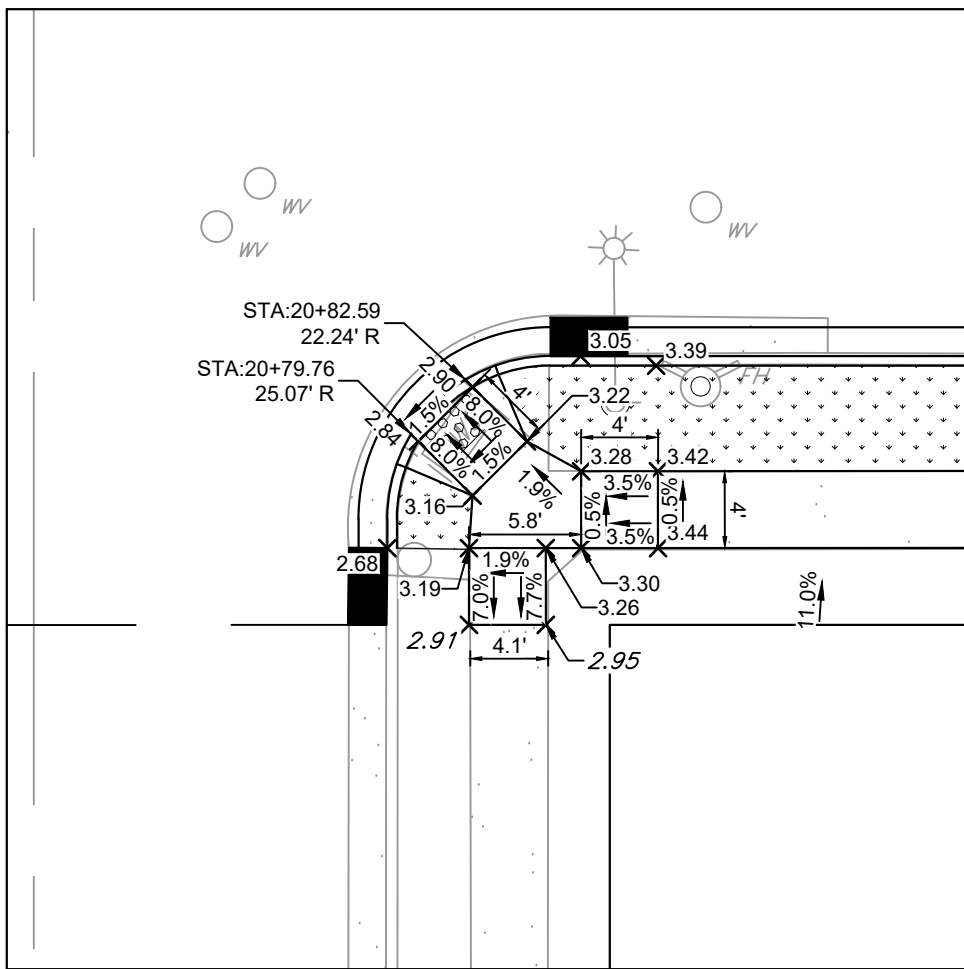
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SEE C-3



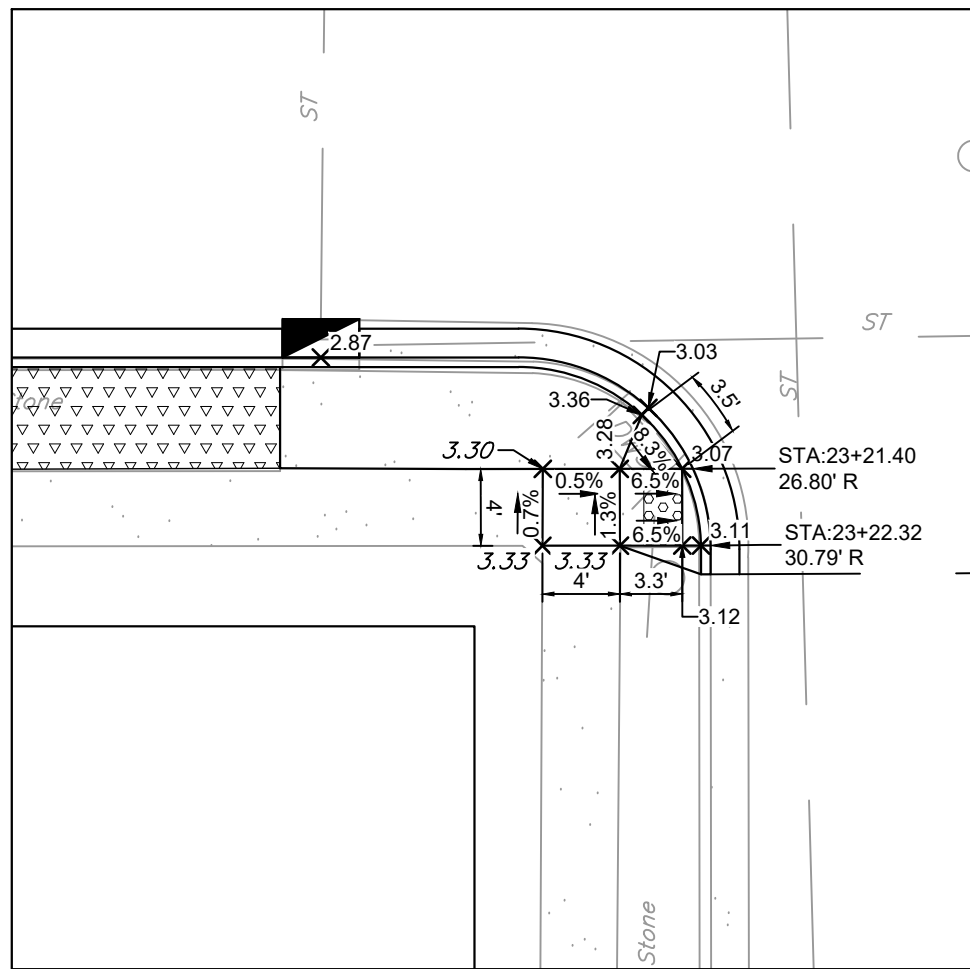
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SEE C-3



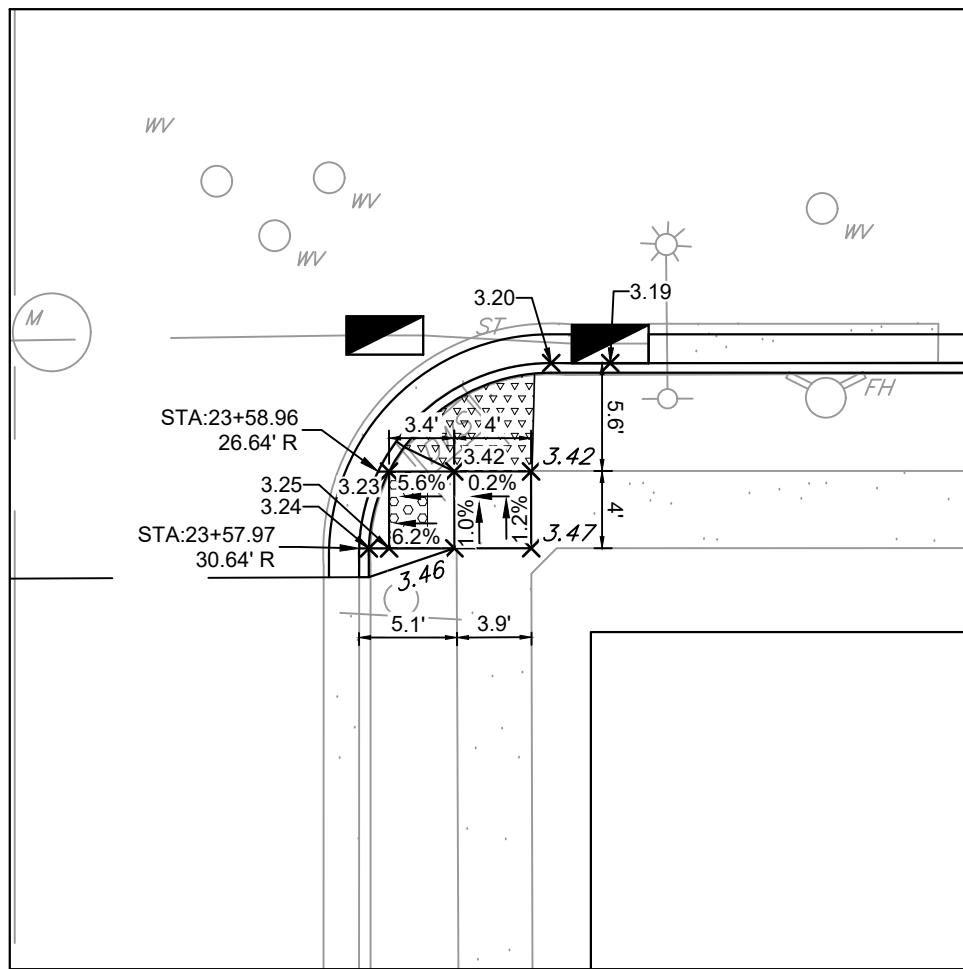
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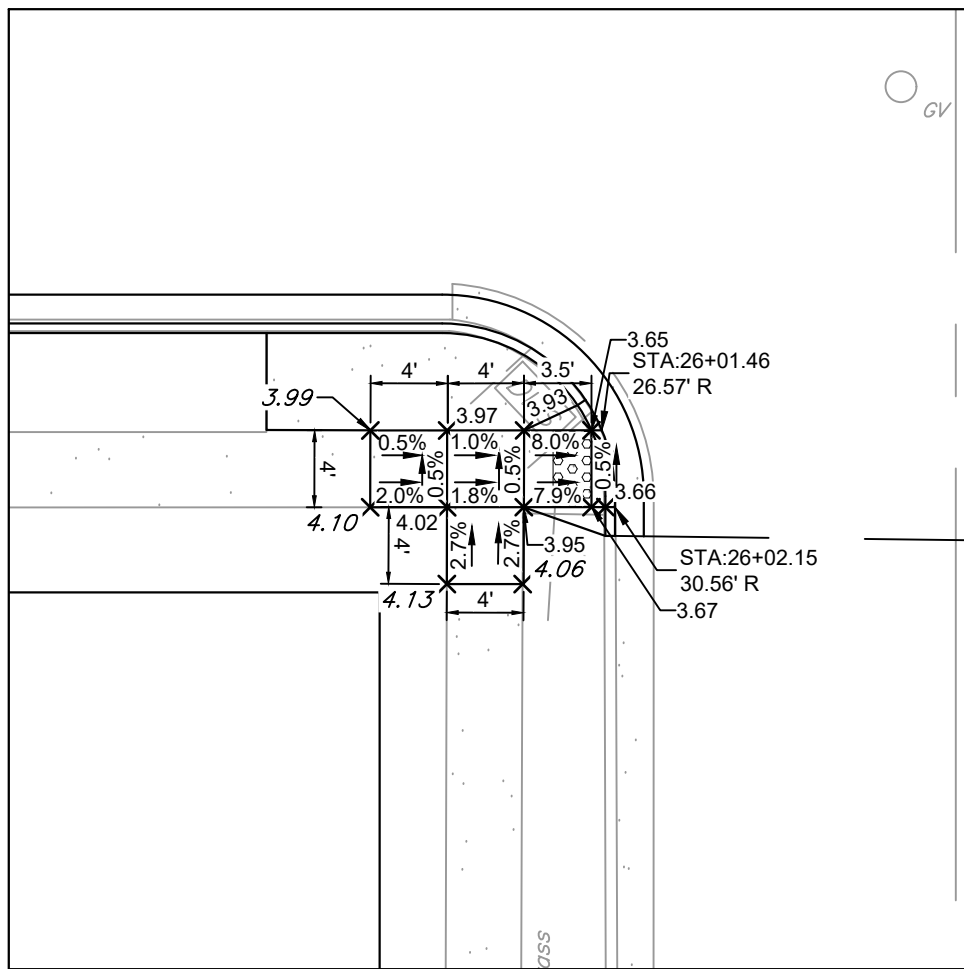
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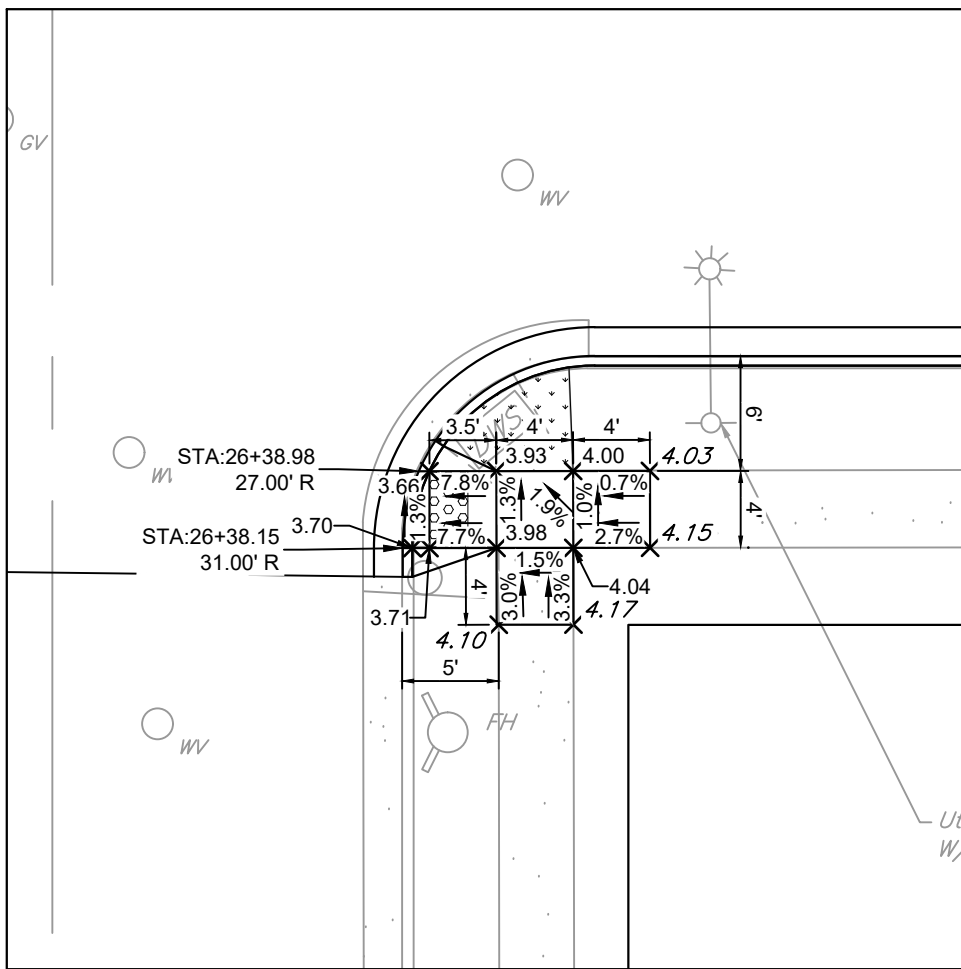
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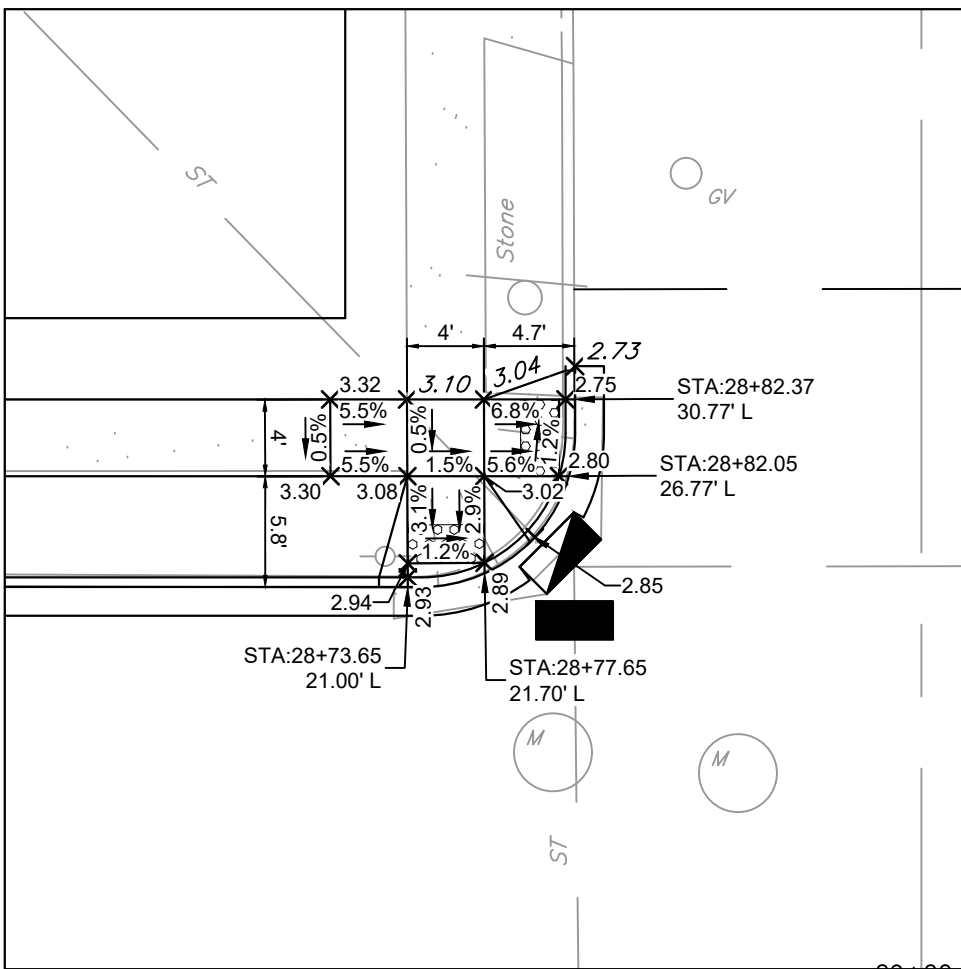
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SEE C-3



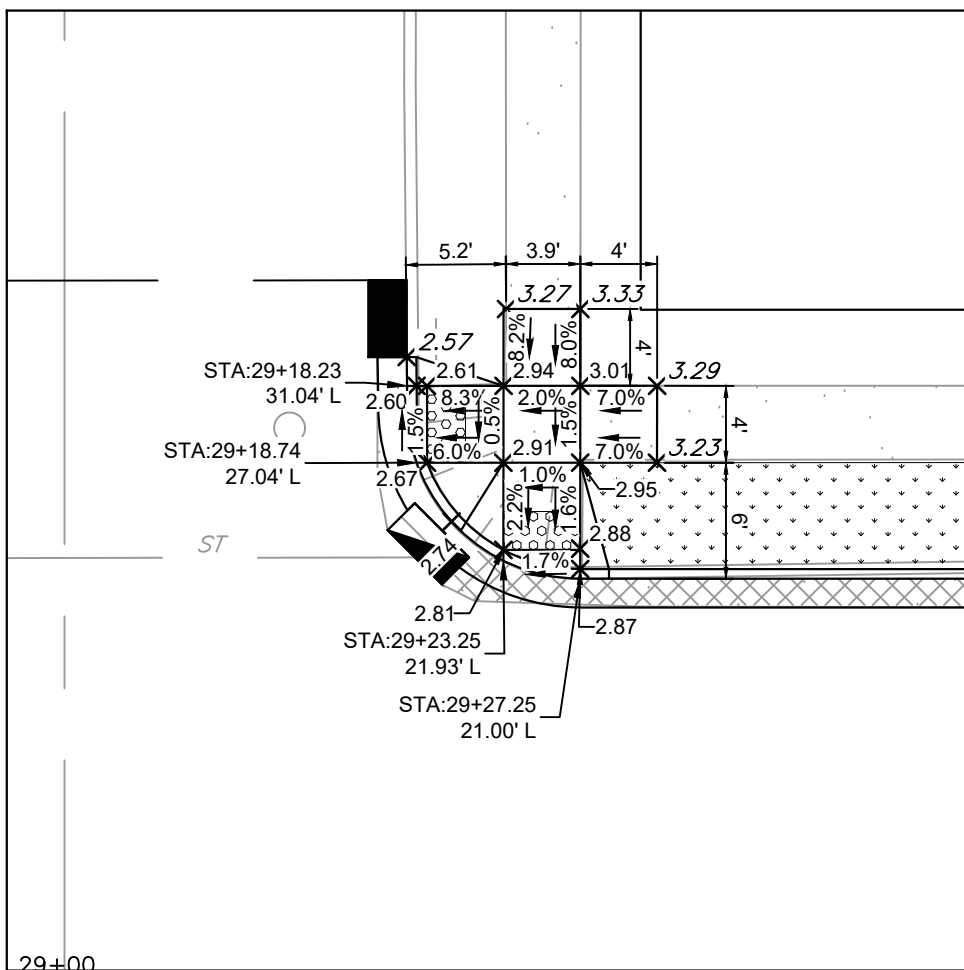
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SEE C-3



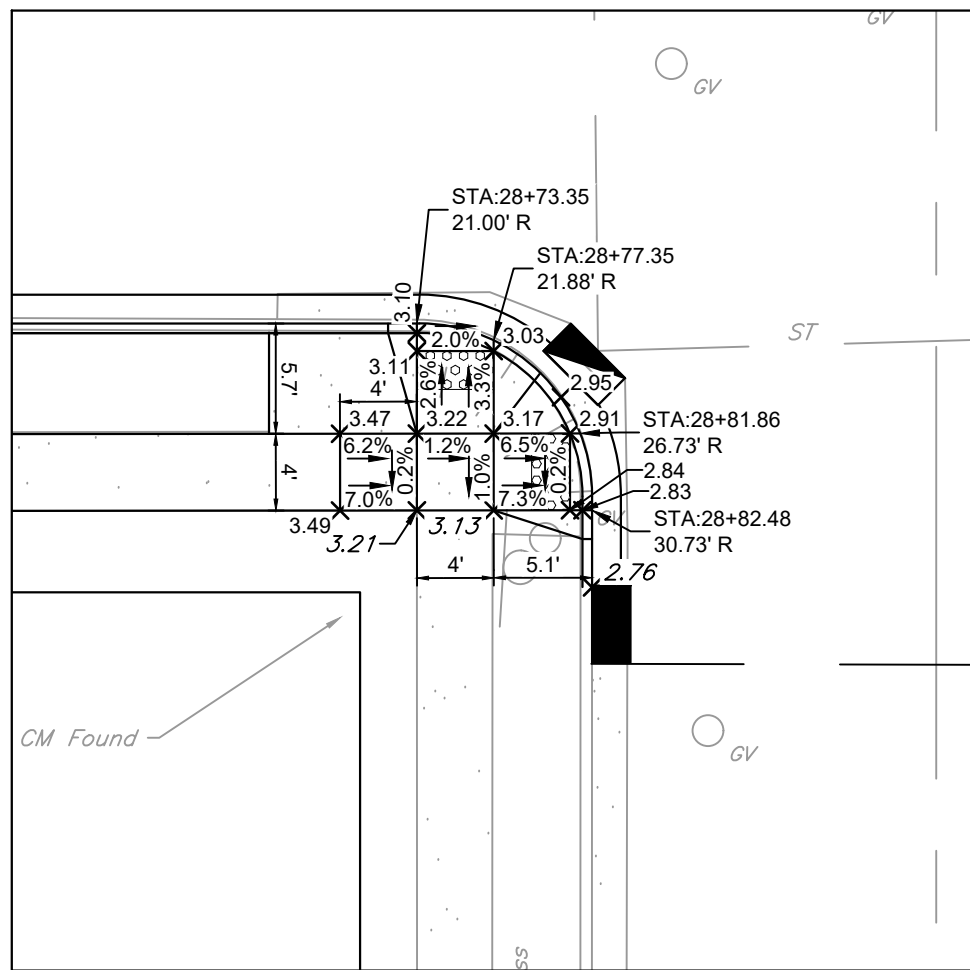
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SEE C-3



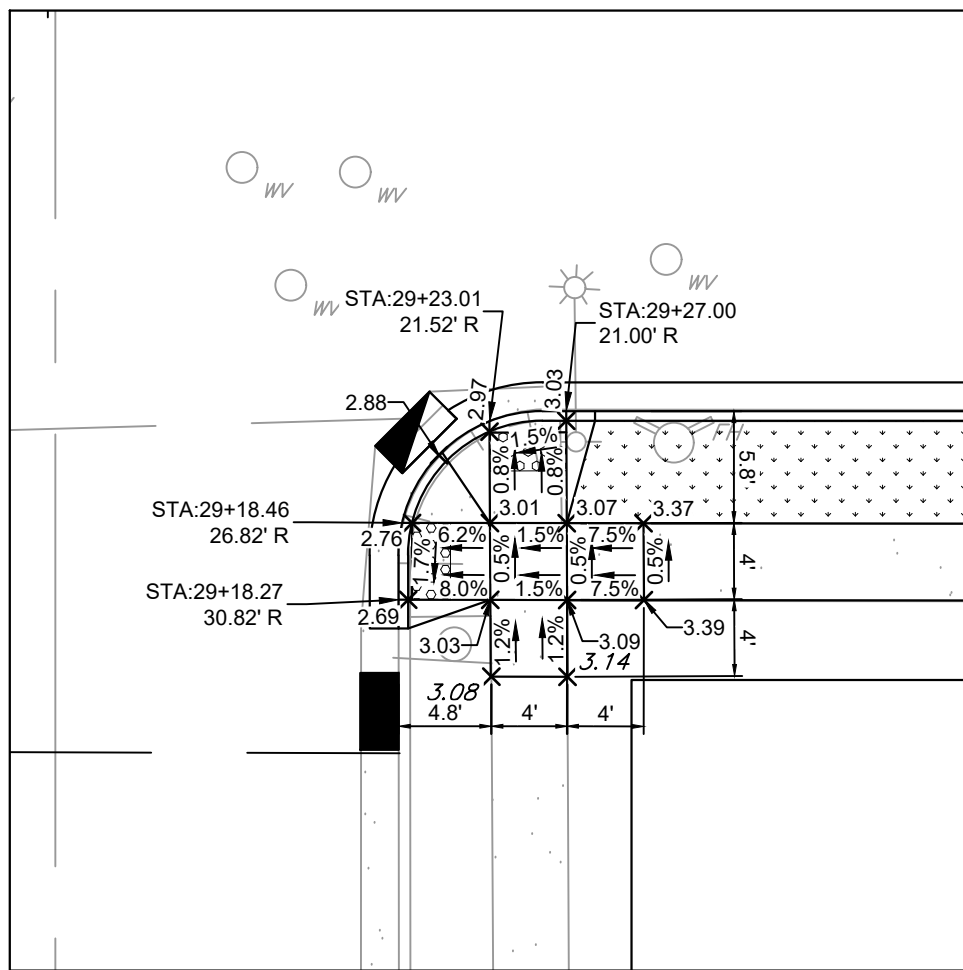
CURB RAMPS 24 & 25
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SEE C-4



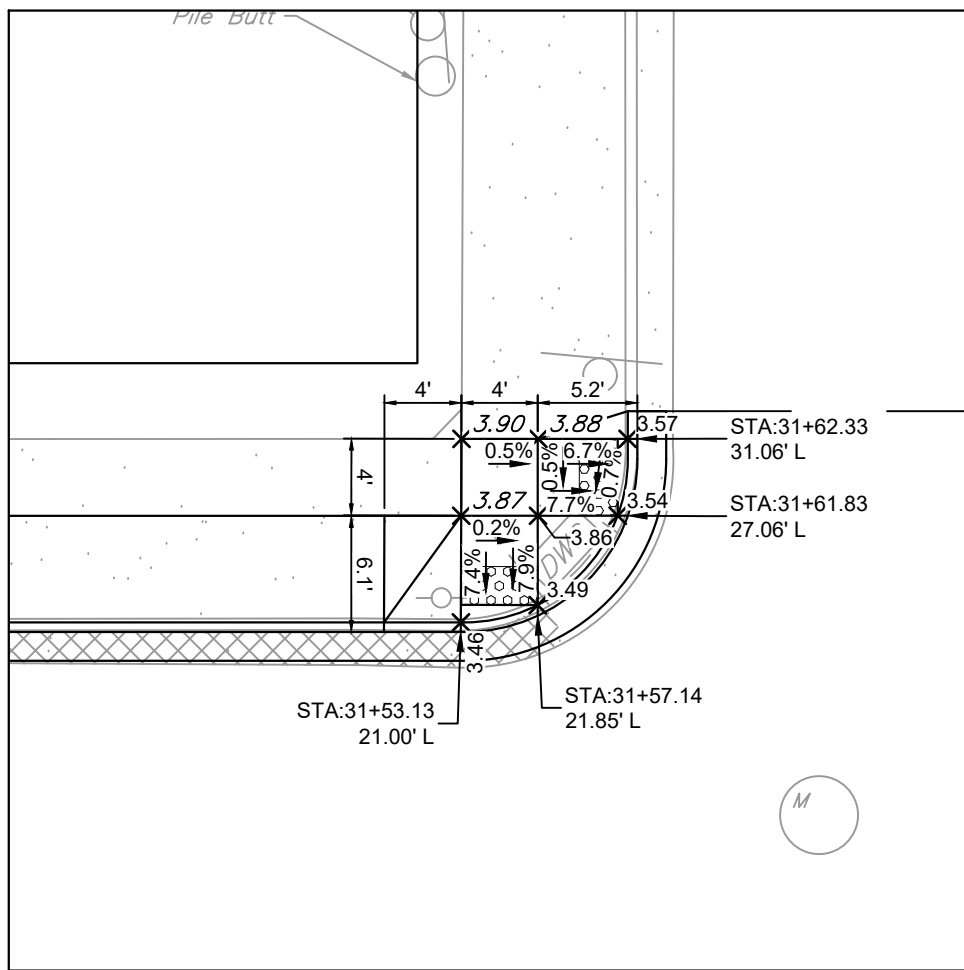
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SEE C-4



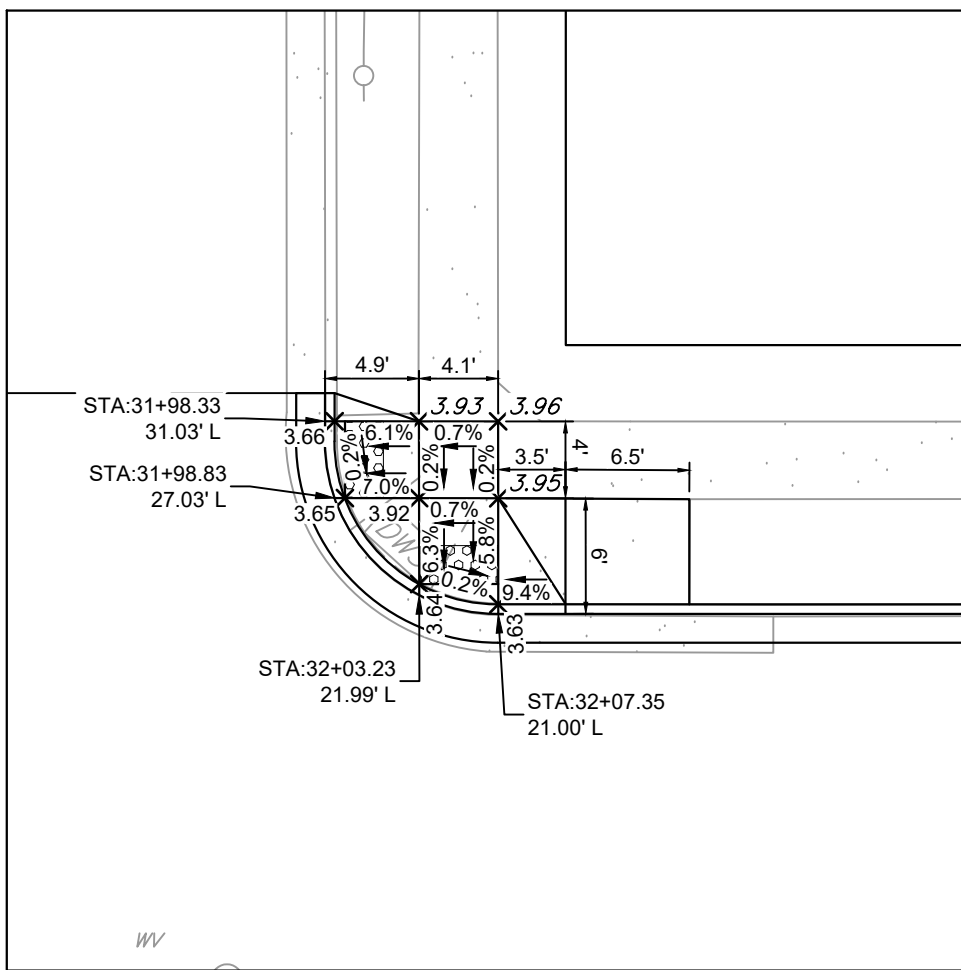
CURB RAMPS 28 & 29
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SEE C-4



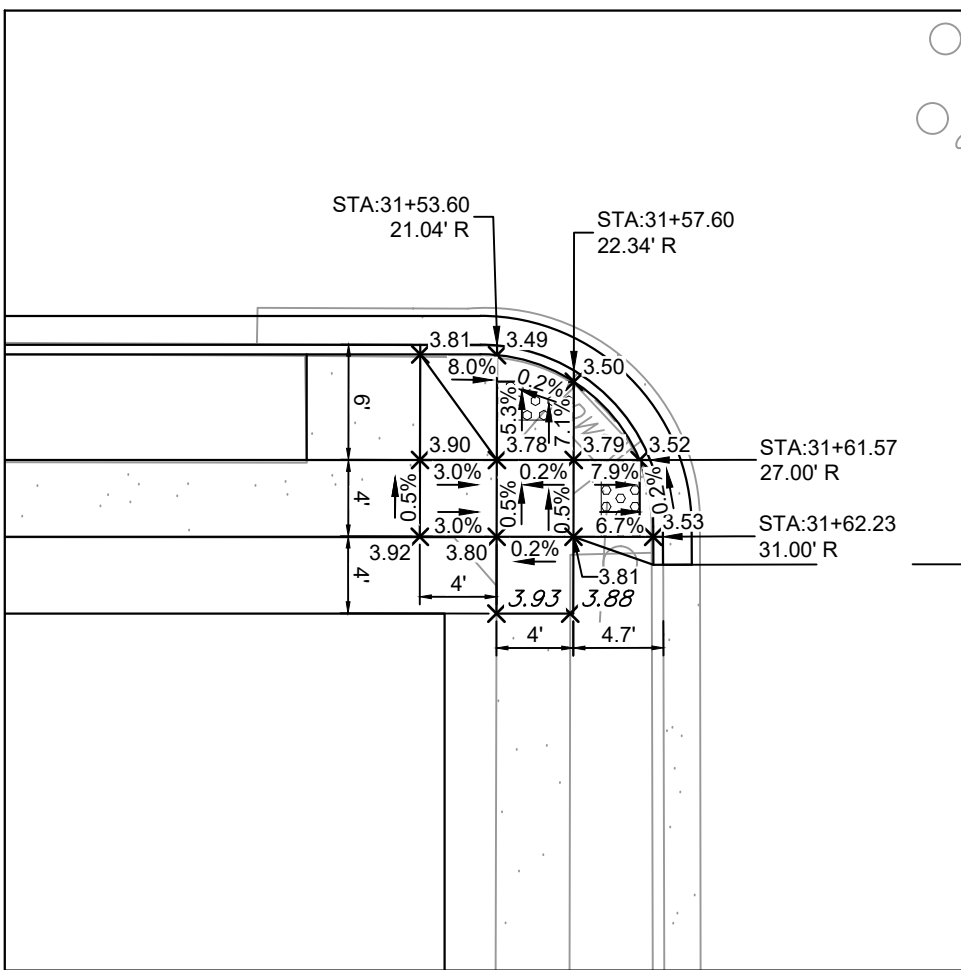
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SEE C-4



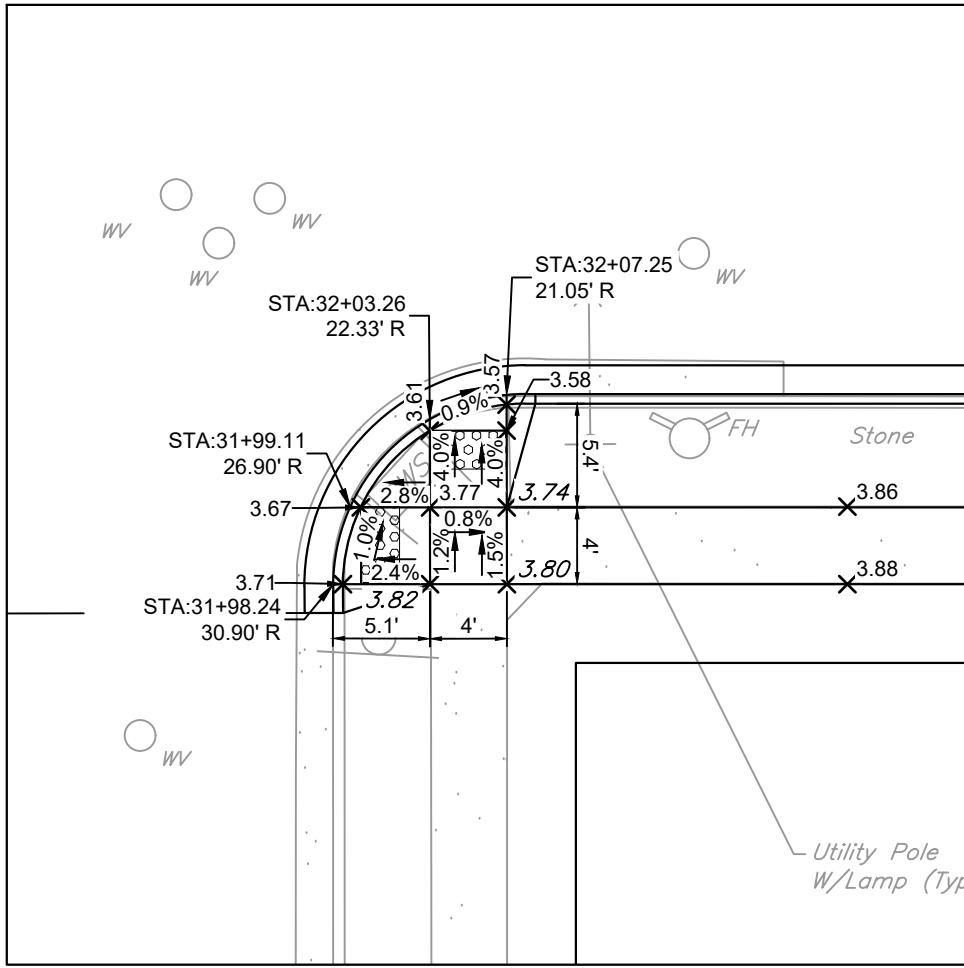
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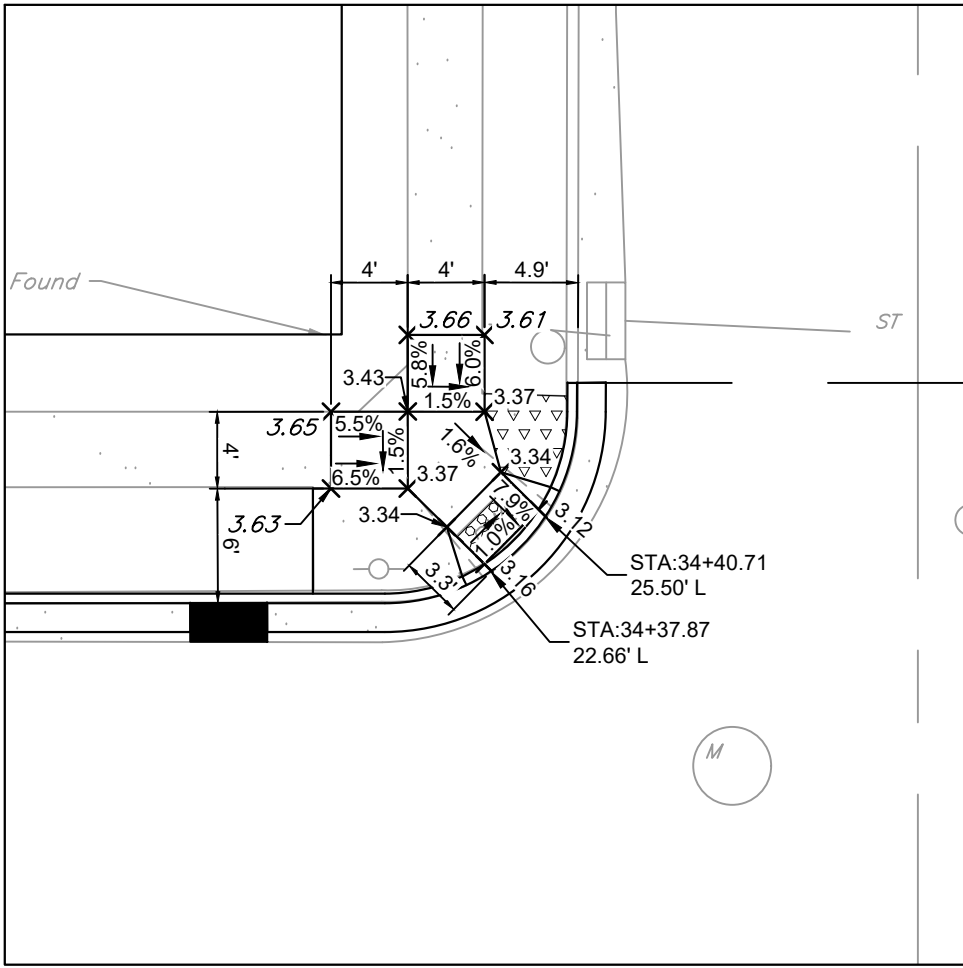
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SEE C-4



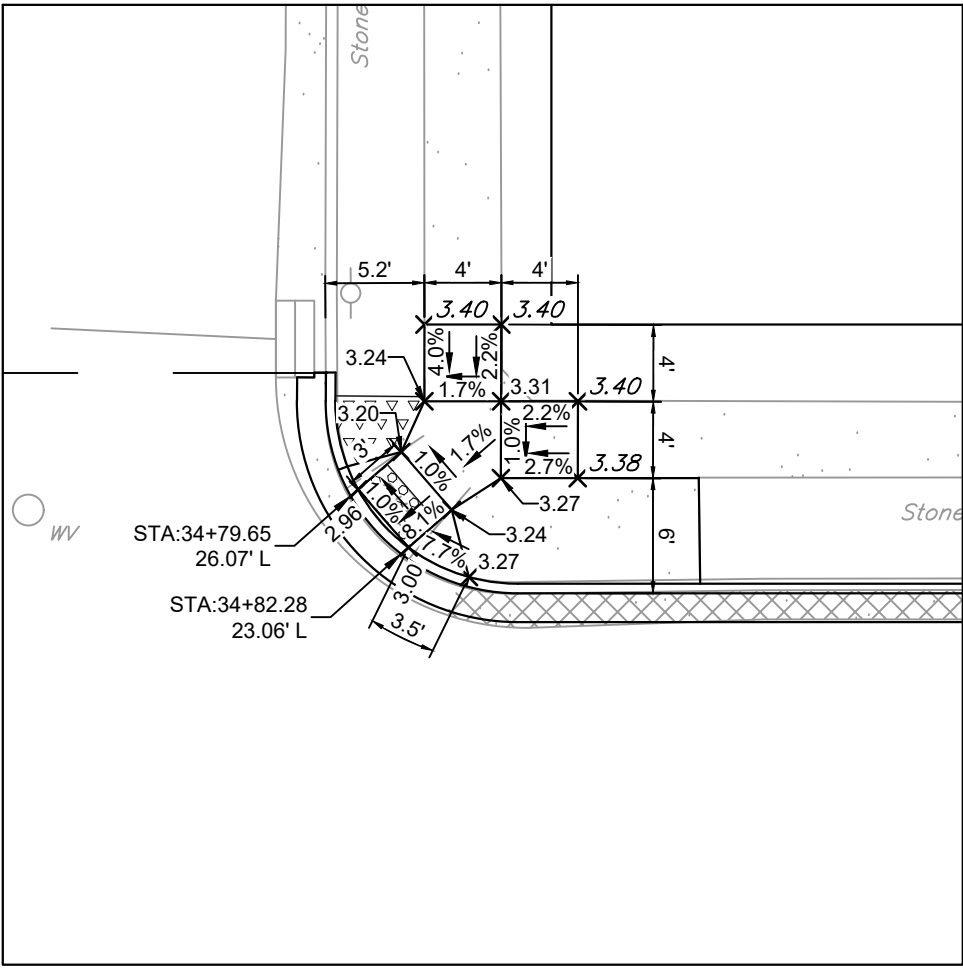
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SEE C-4



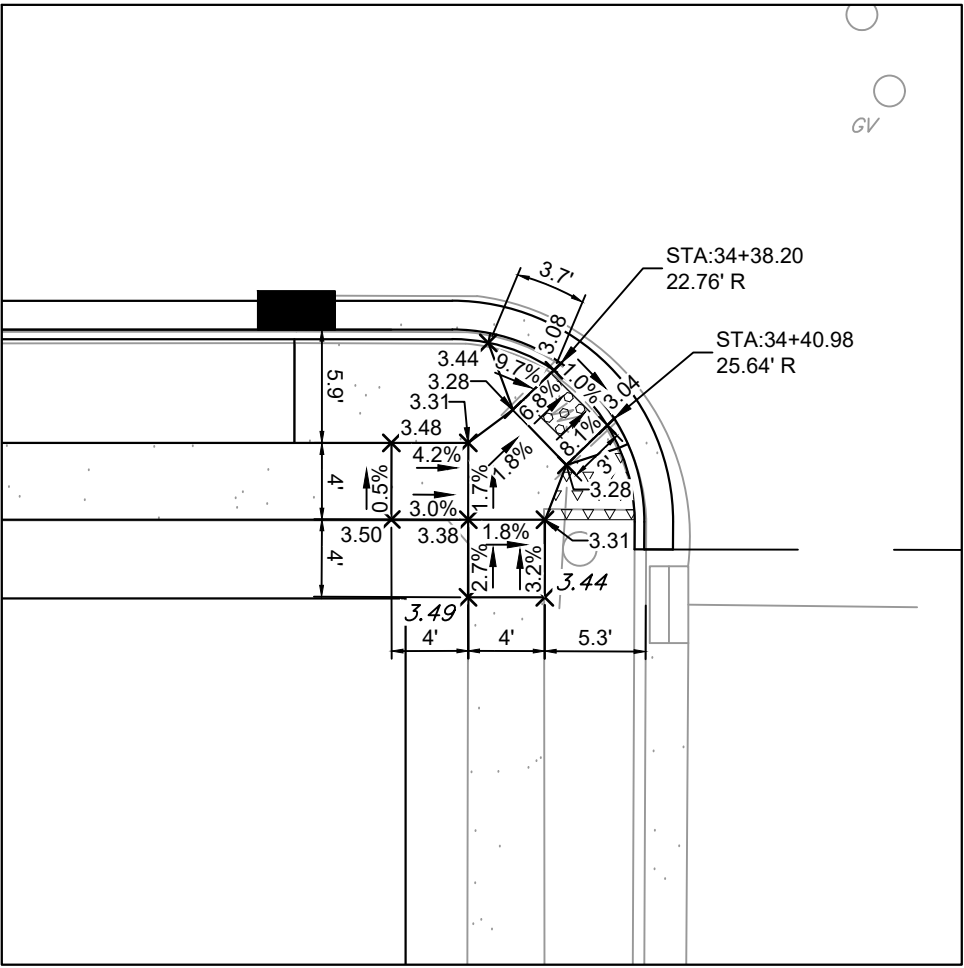
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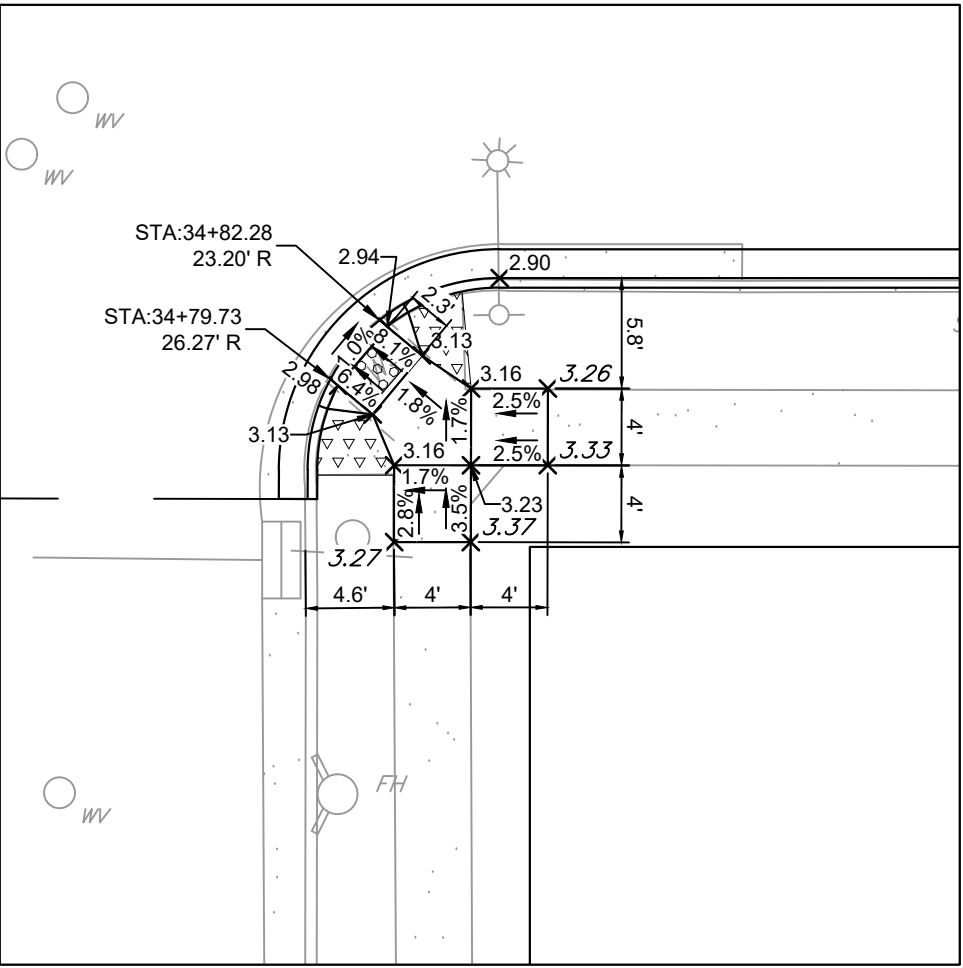
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SEE C-4



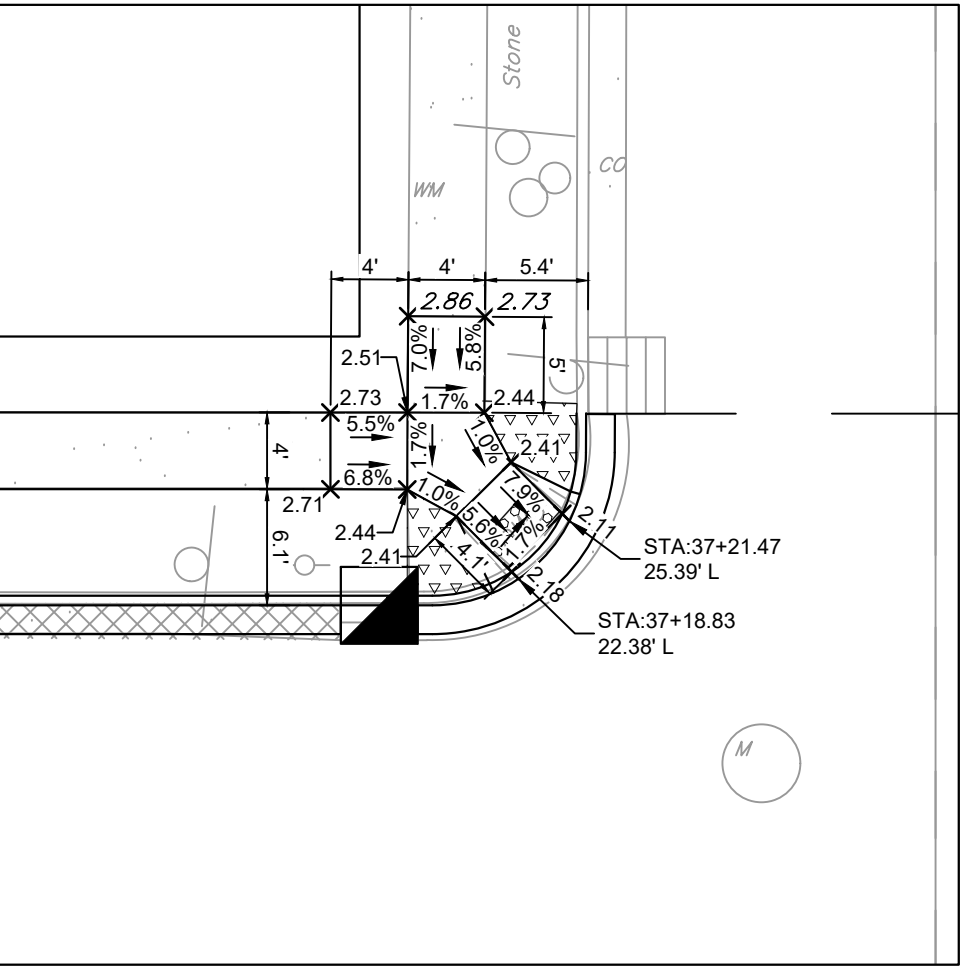
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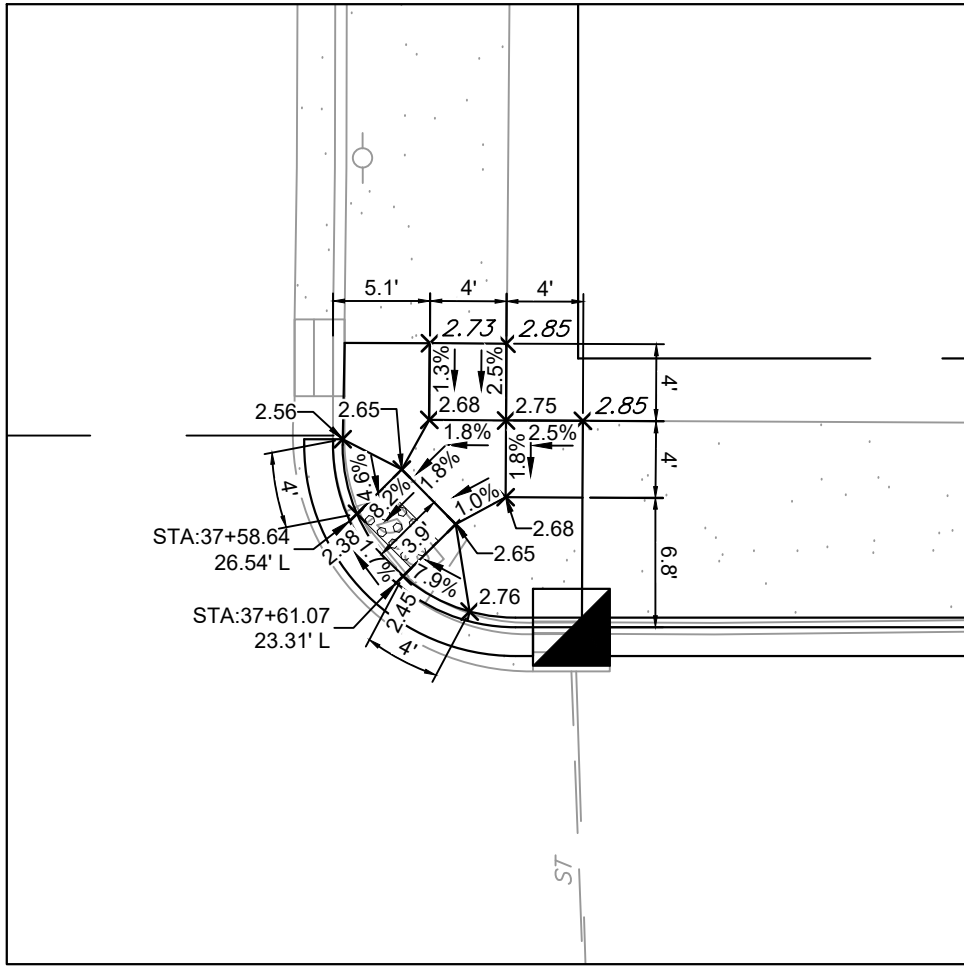
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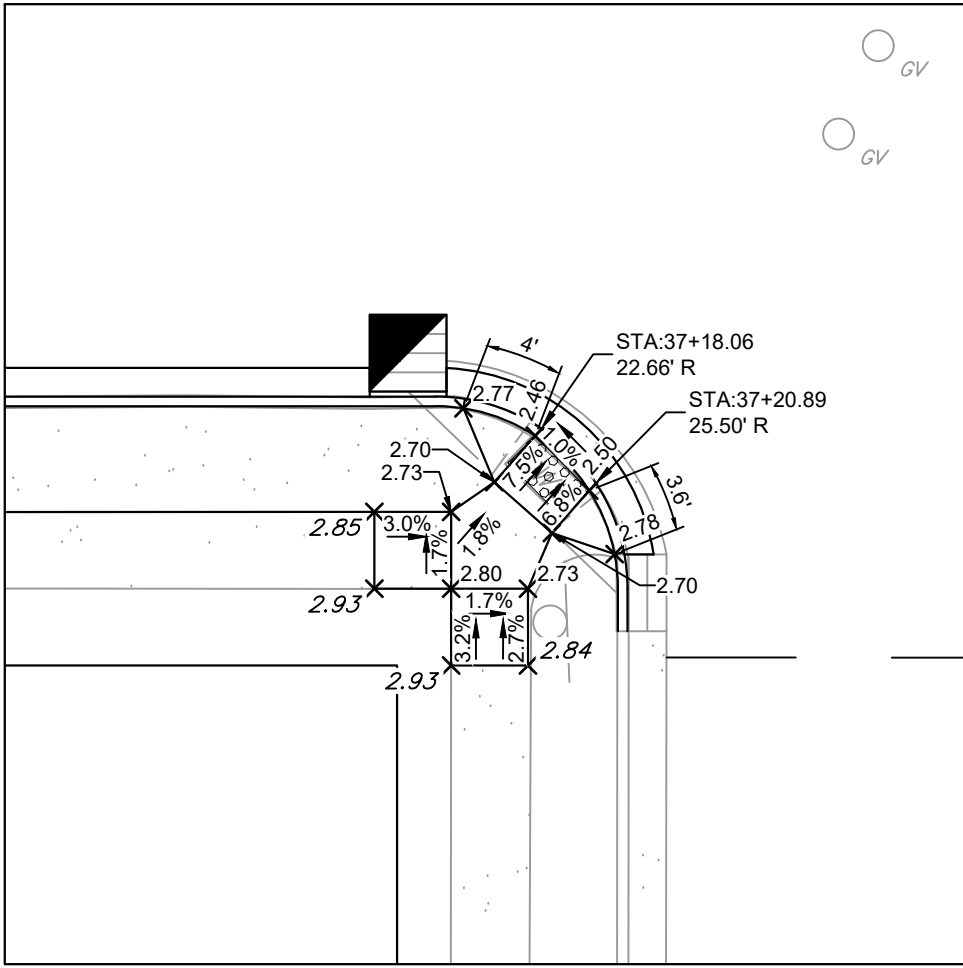
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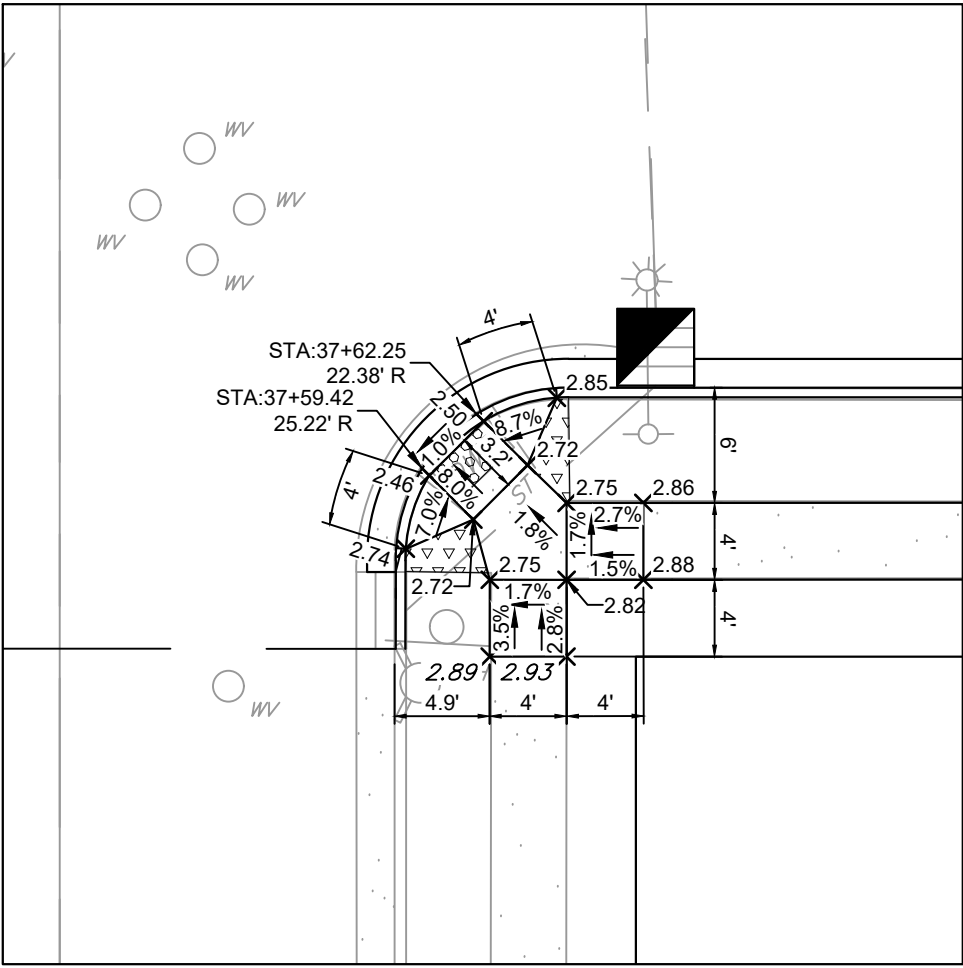
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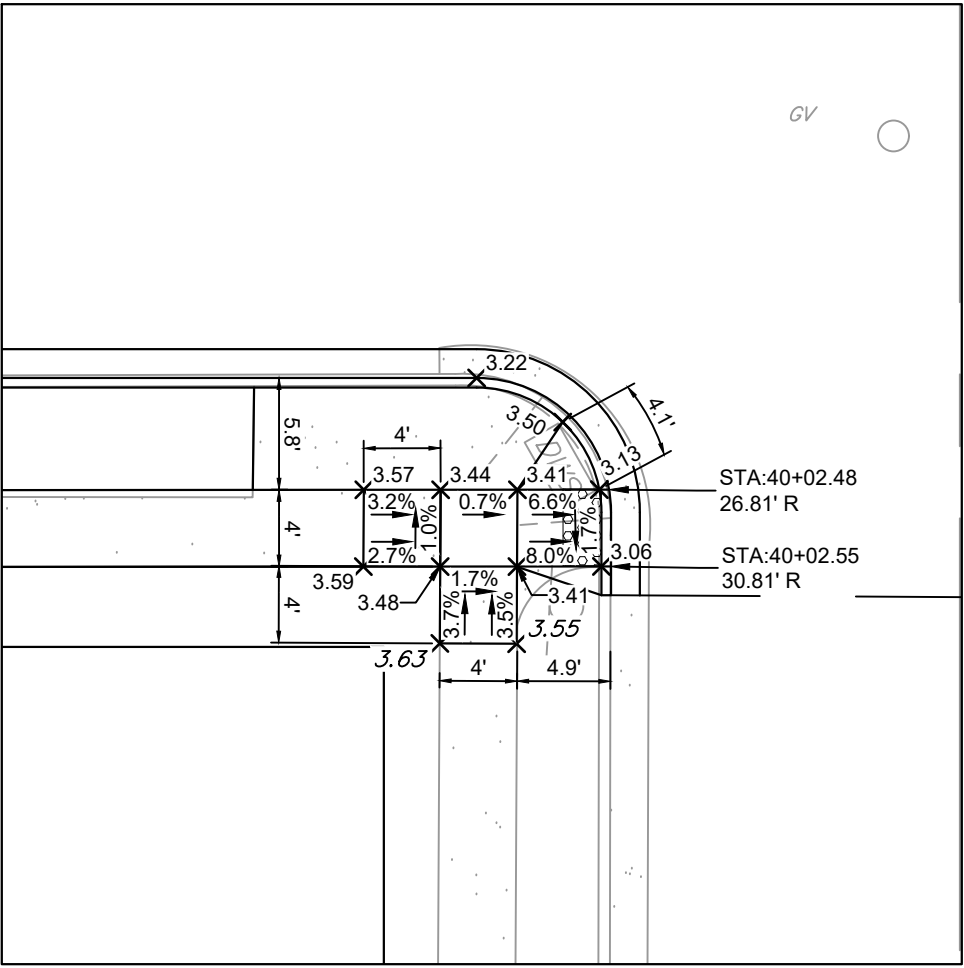
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SEE C-4



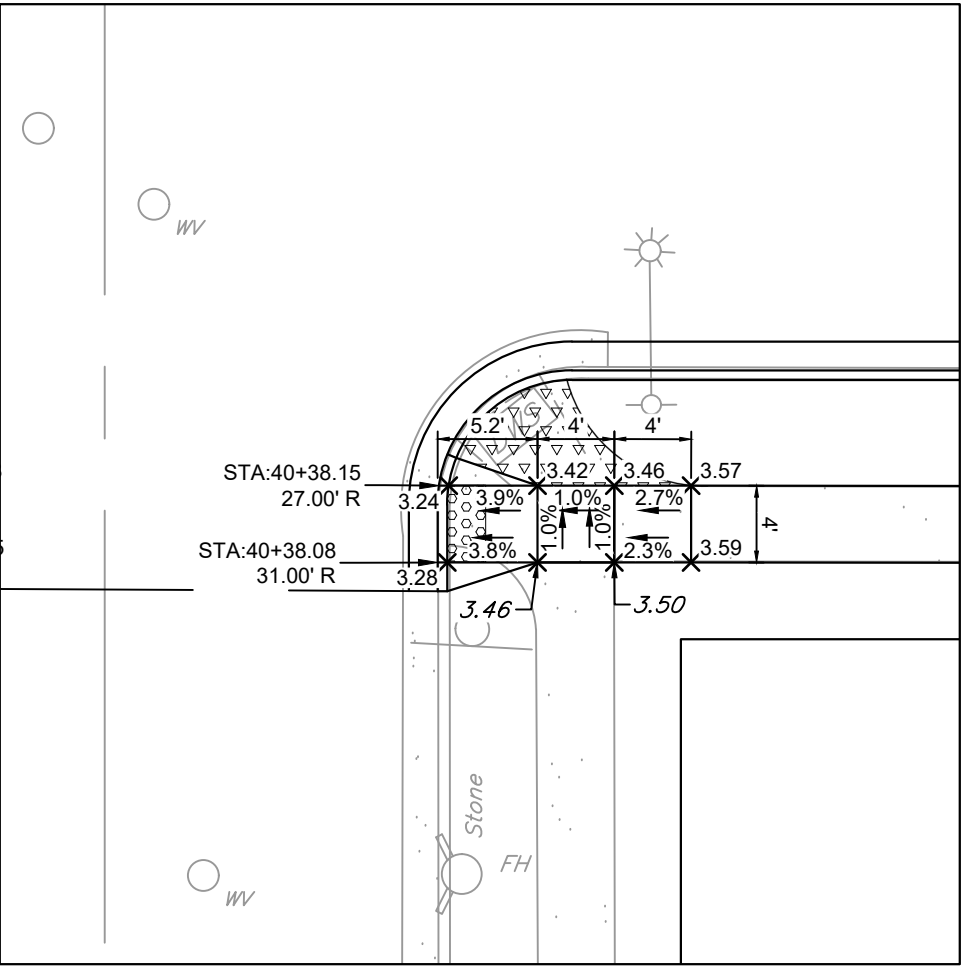
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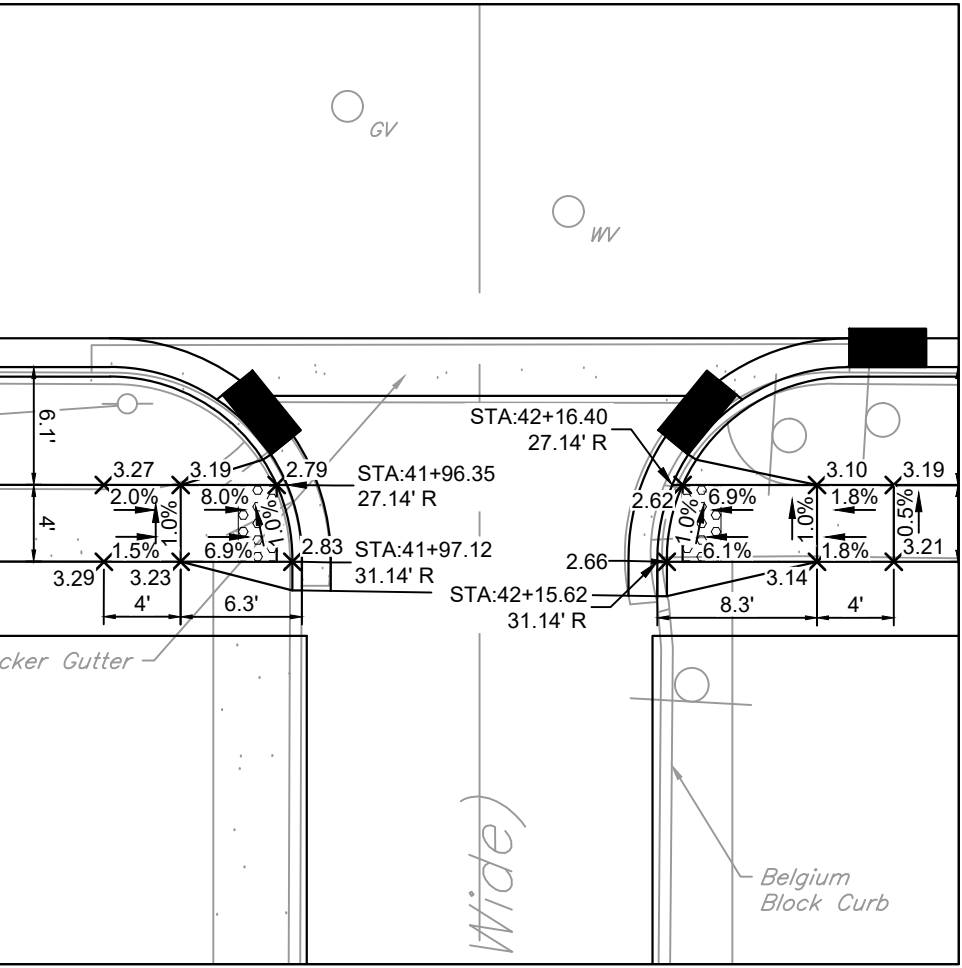
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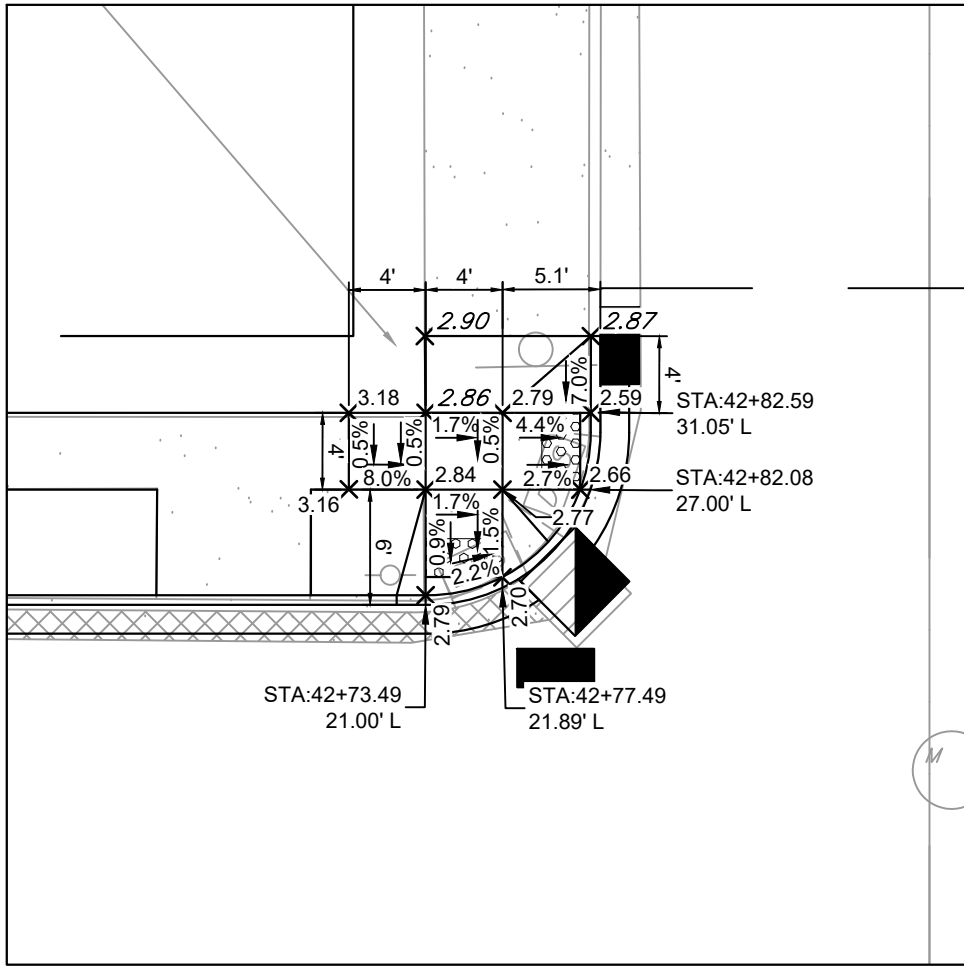
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SEE C-5



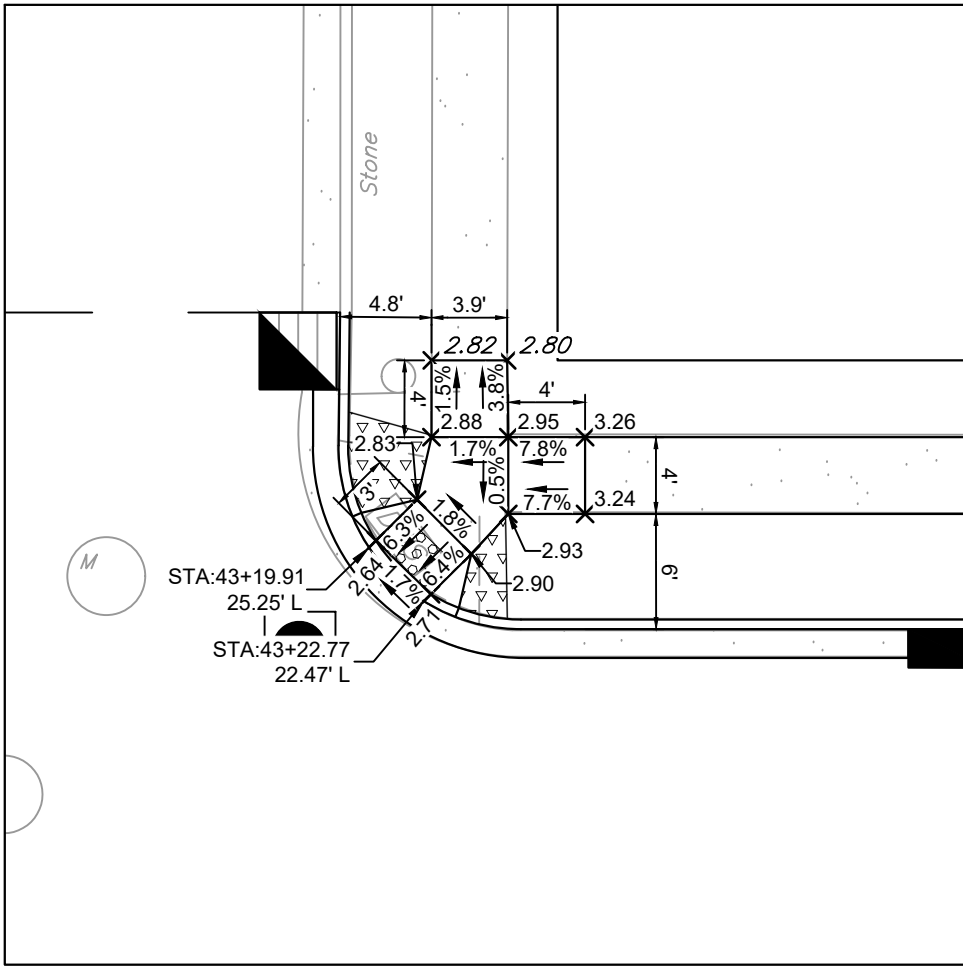
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SEE C-5



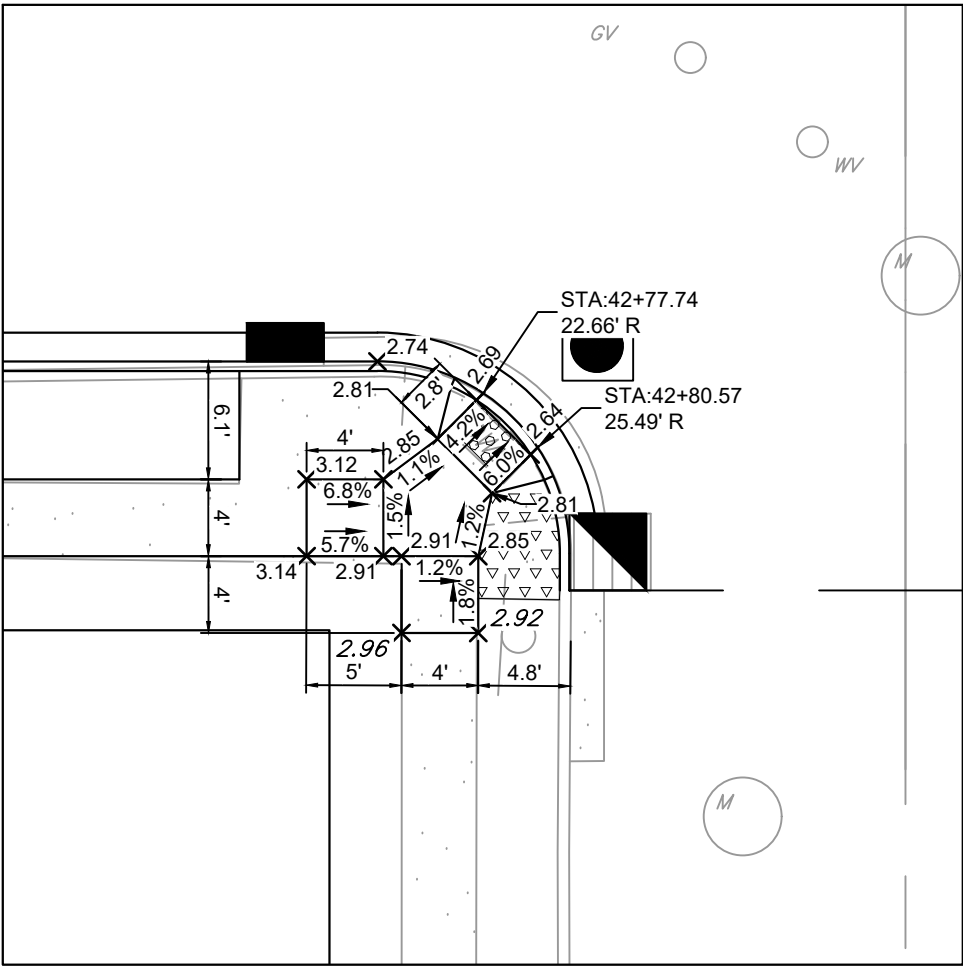
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SEE C-5



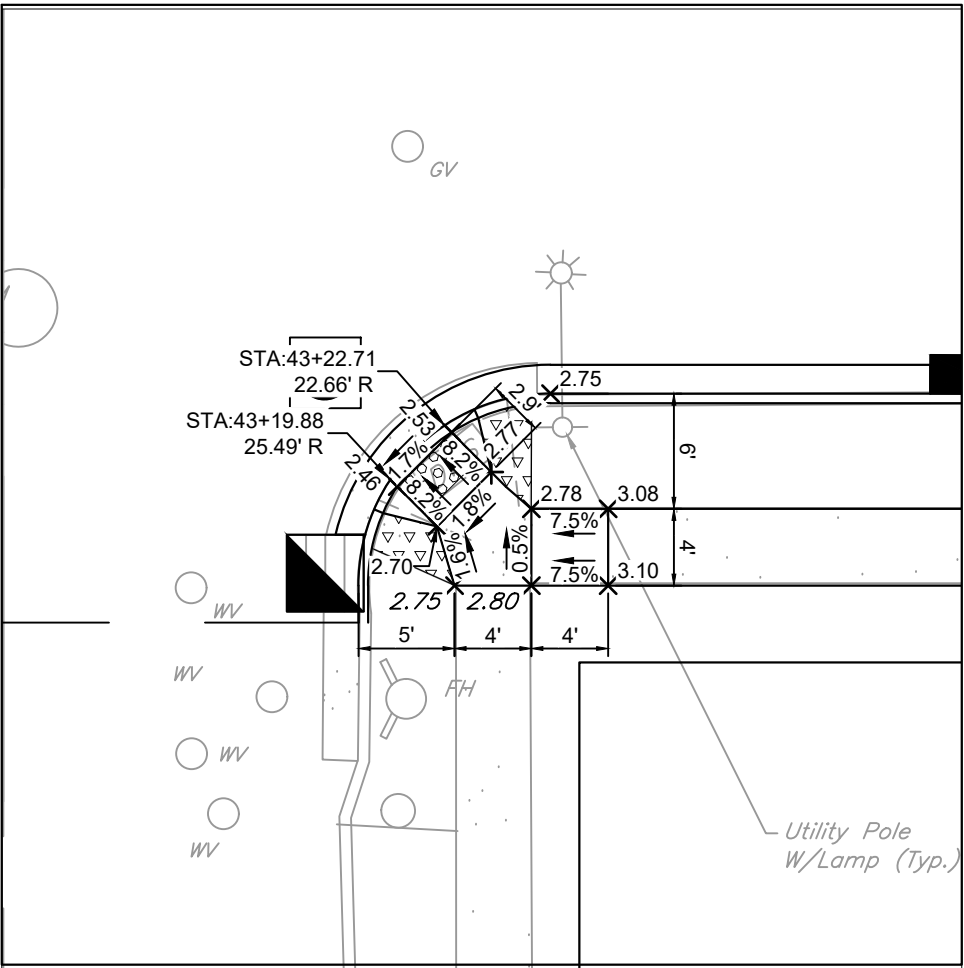
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SEE C-5



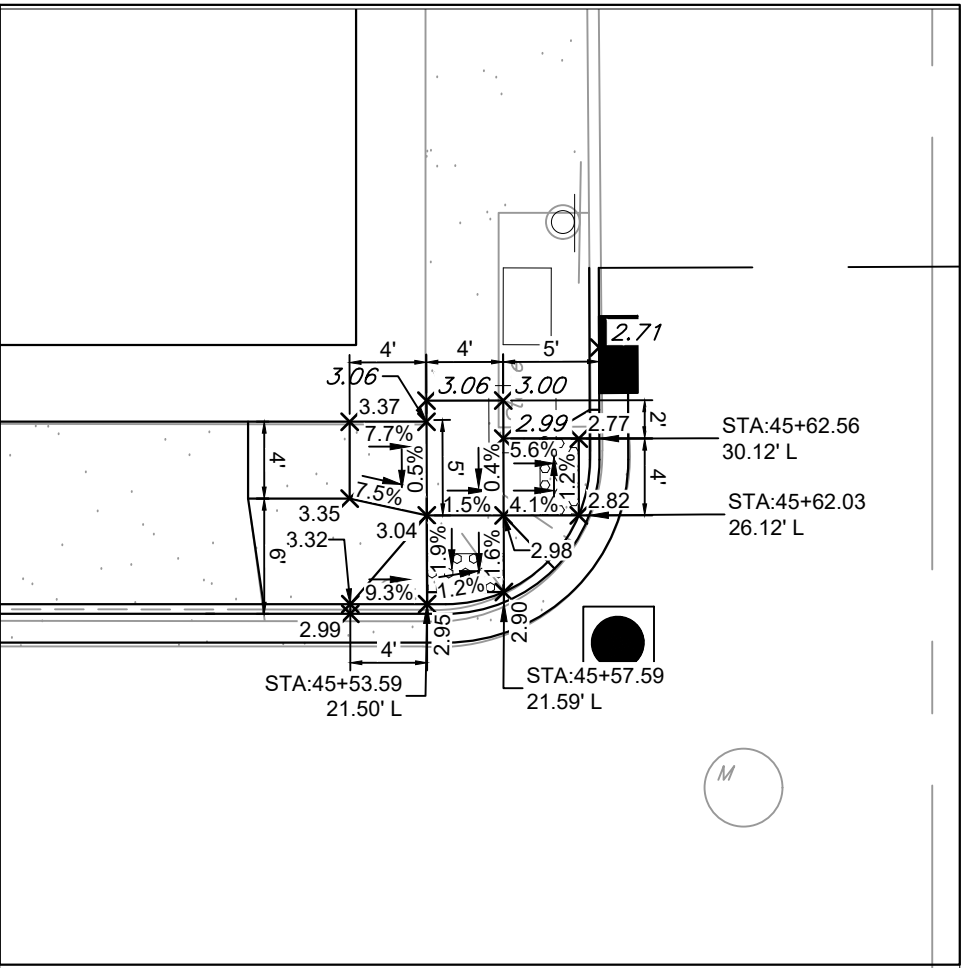
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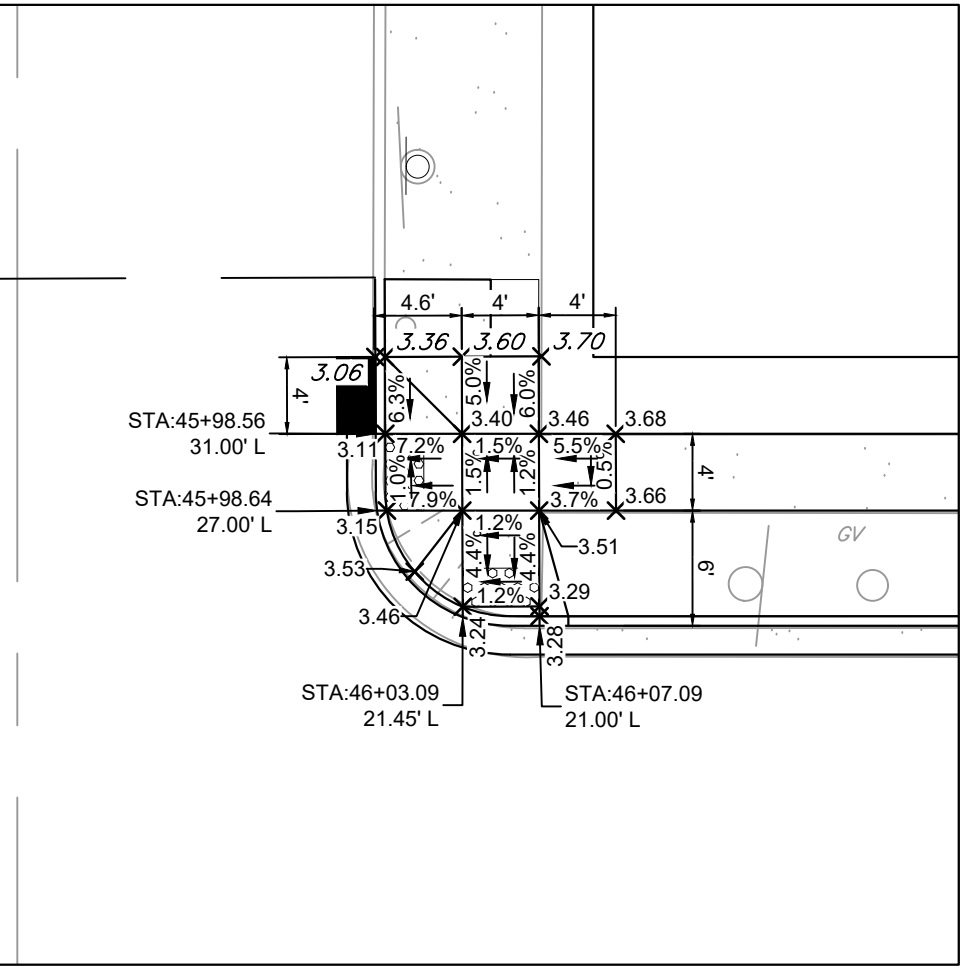
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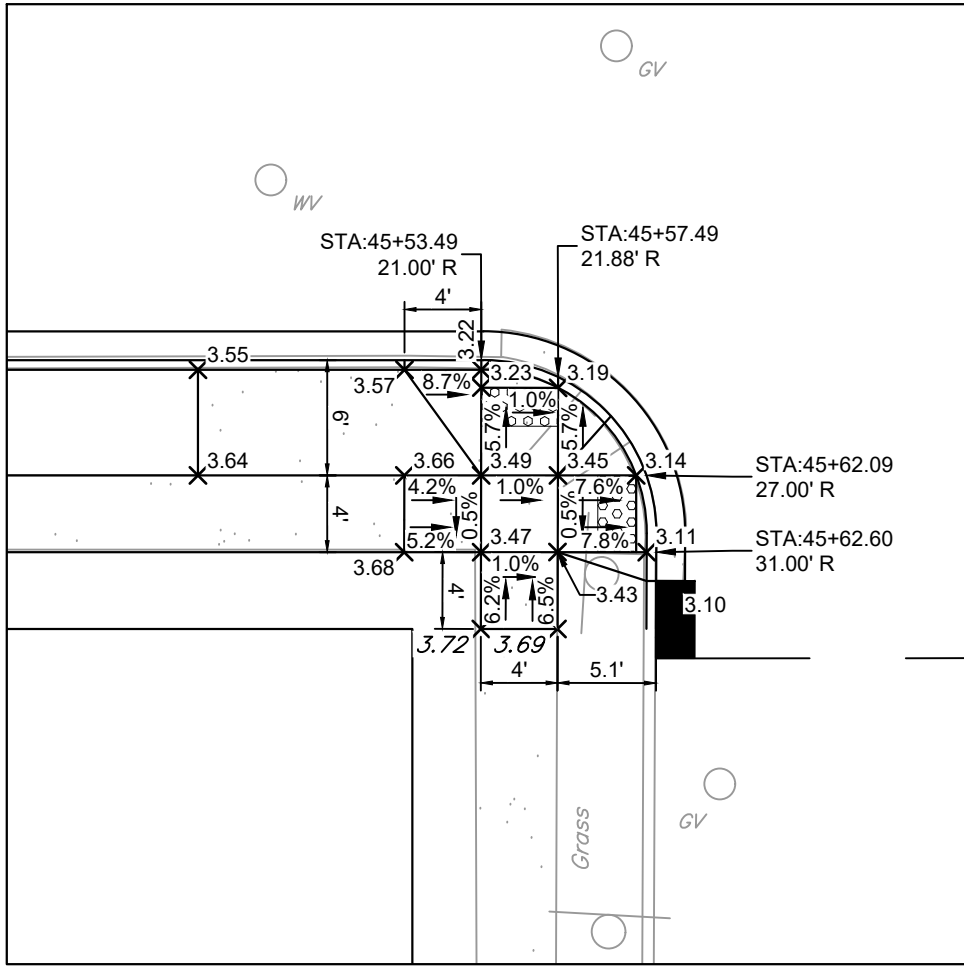
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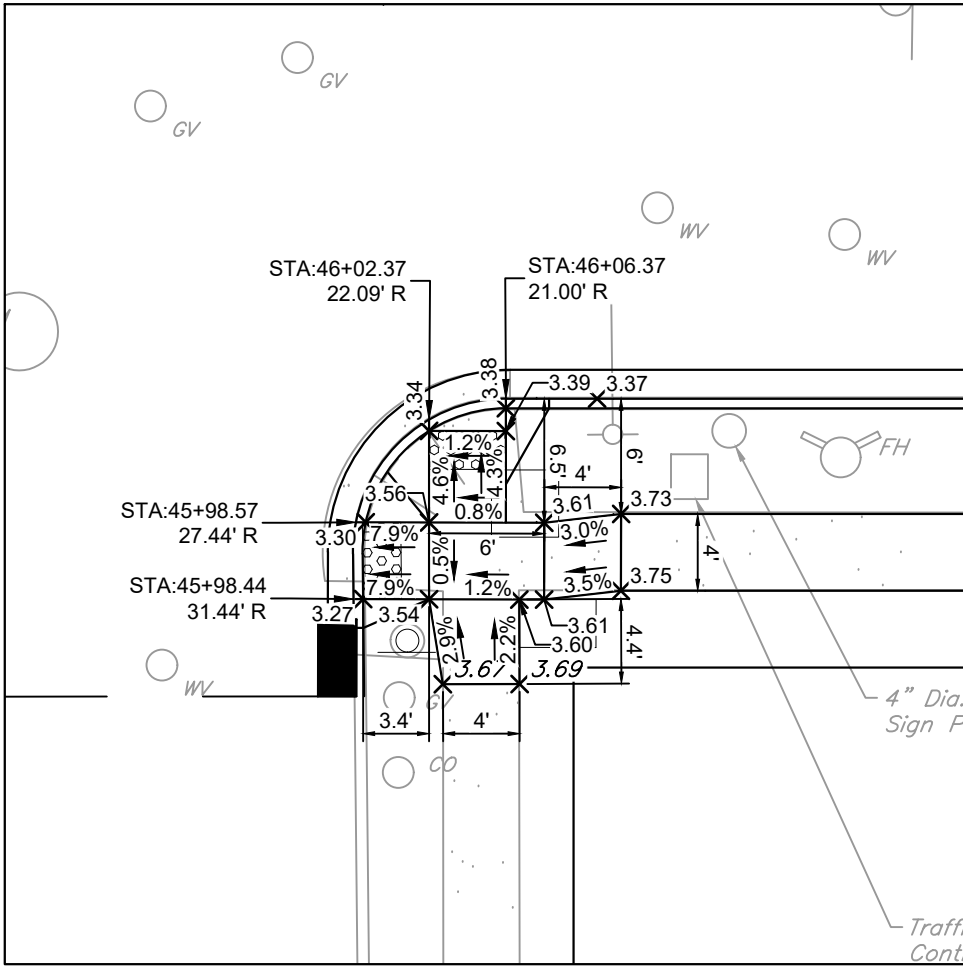
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SEE C-5



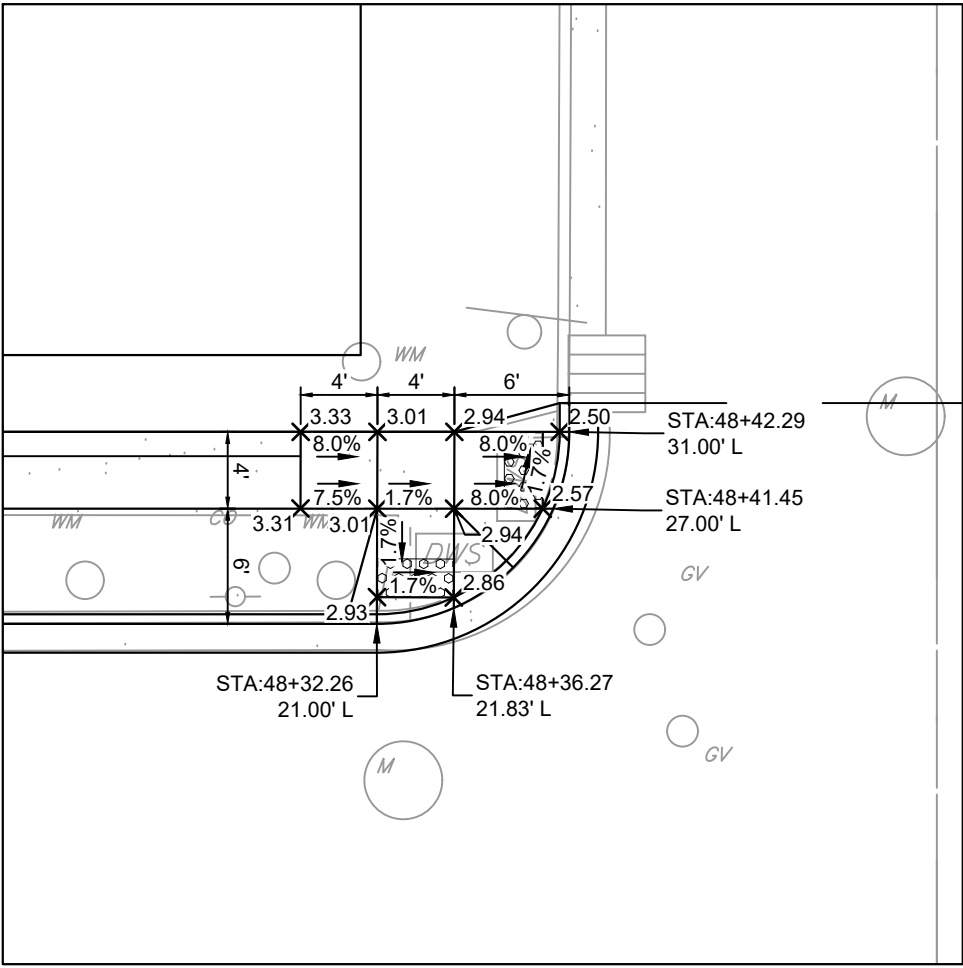
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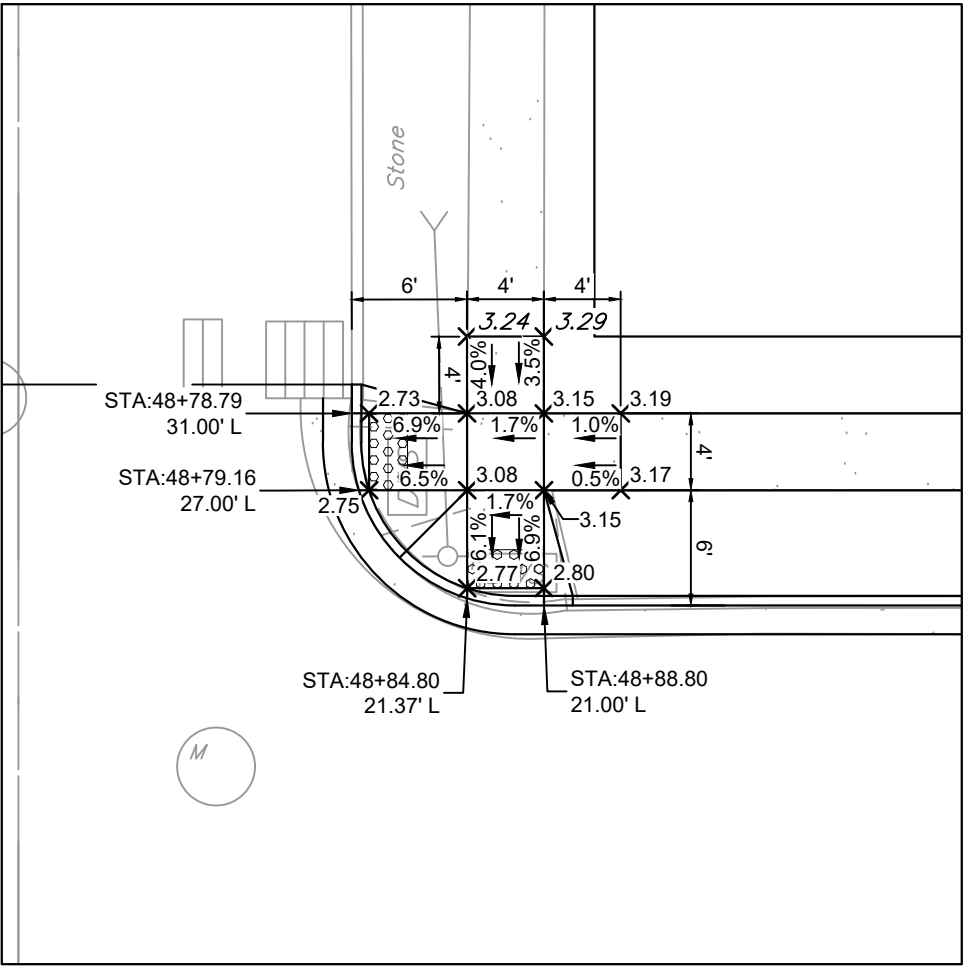
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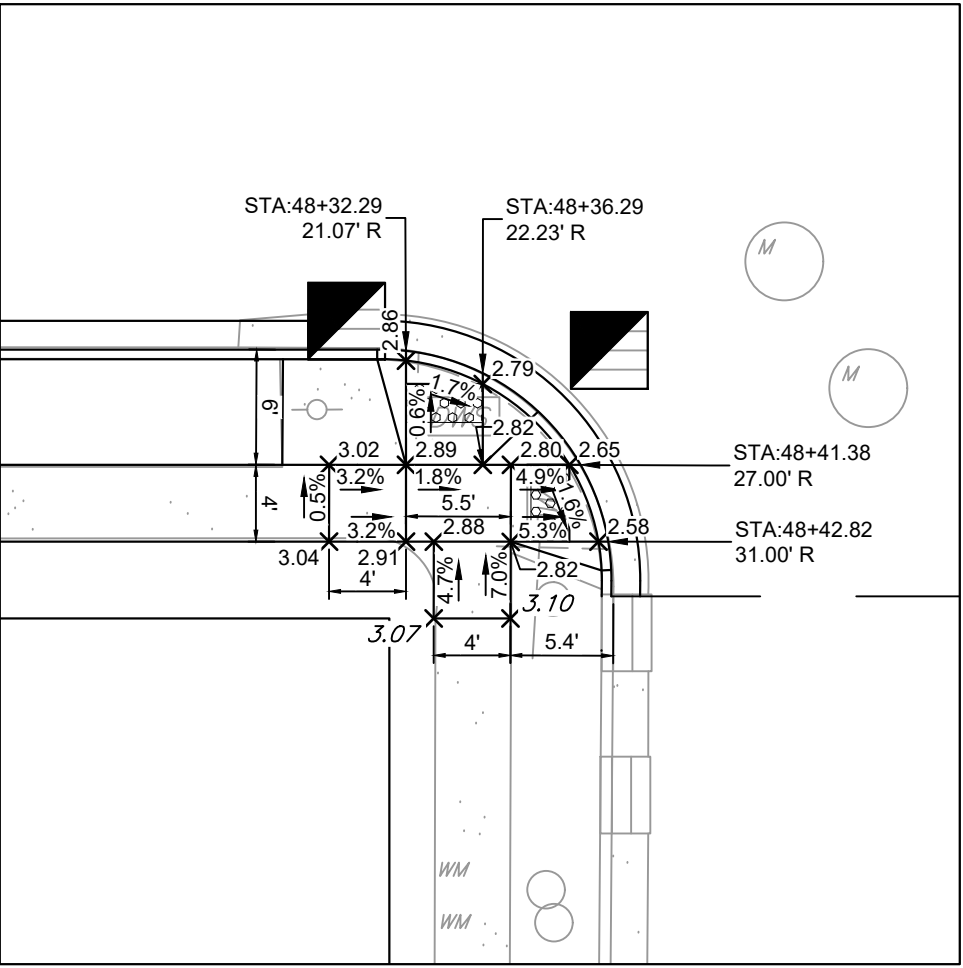
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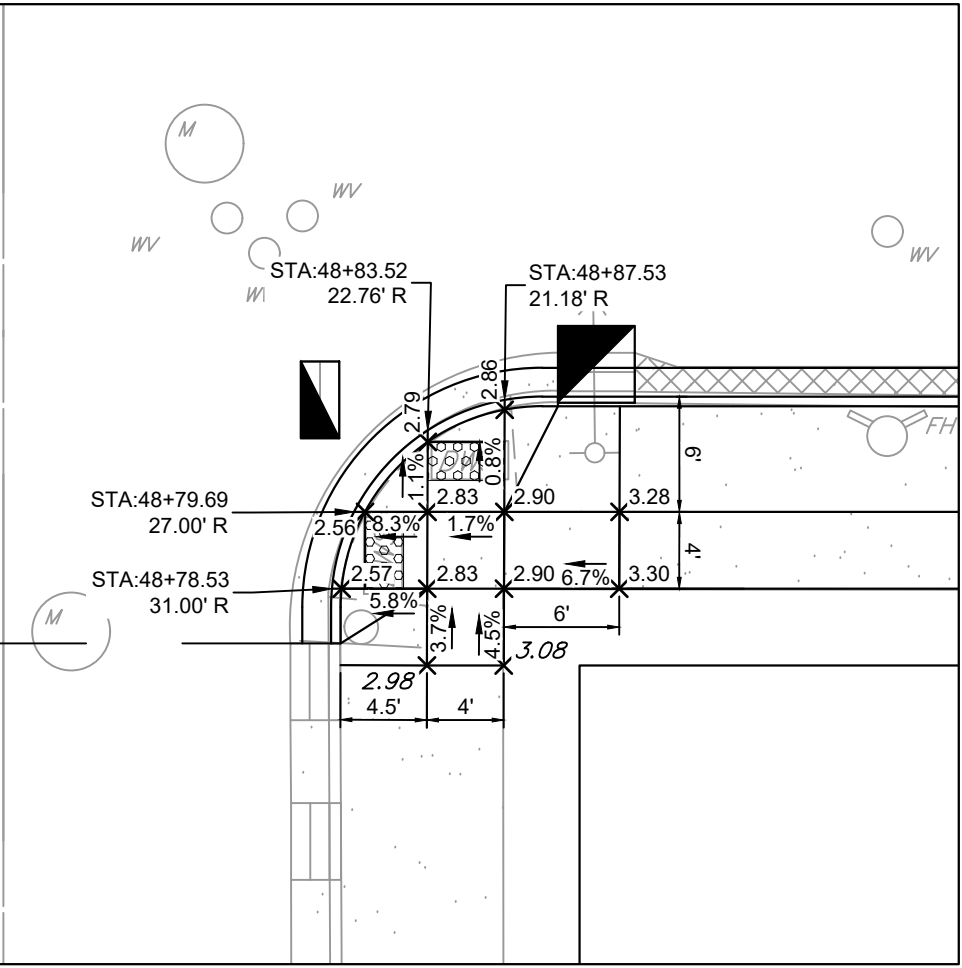
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SEE C-6



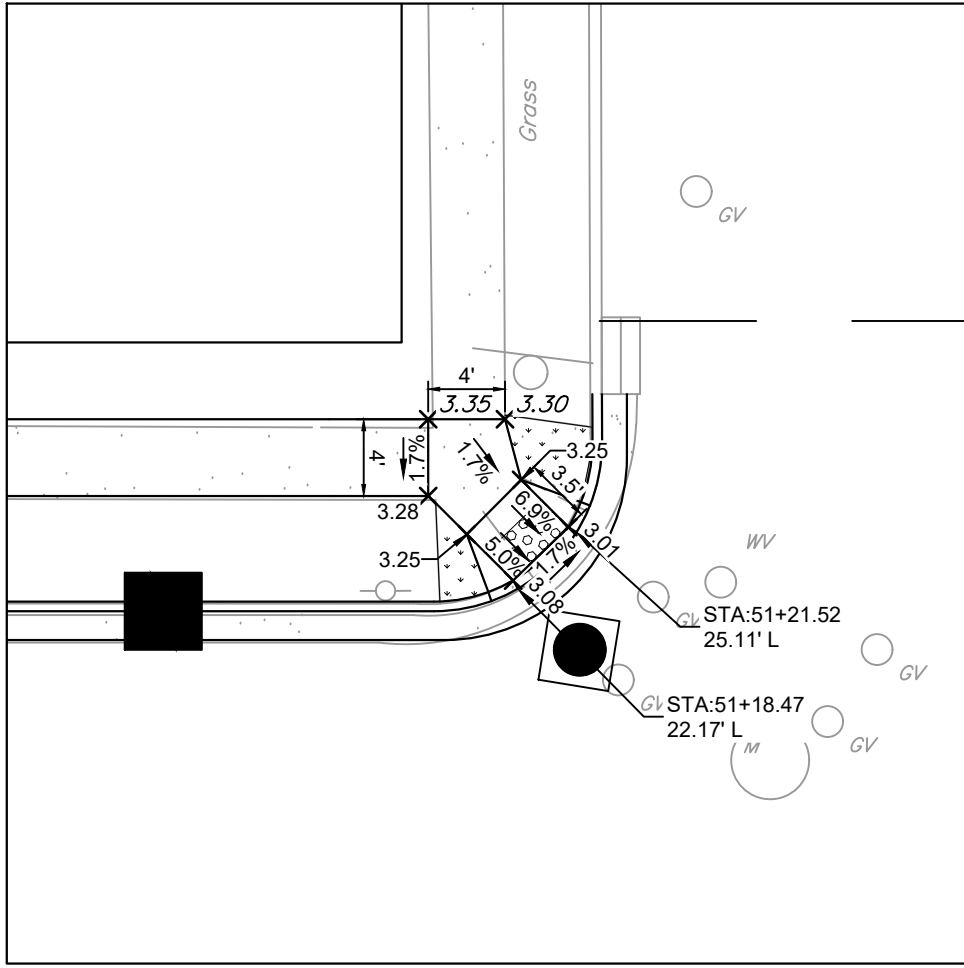
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SEE C-6



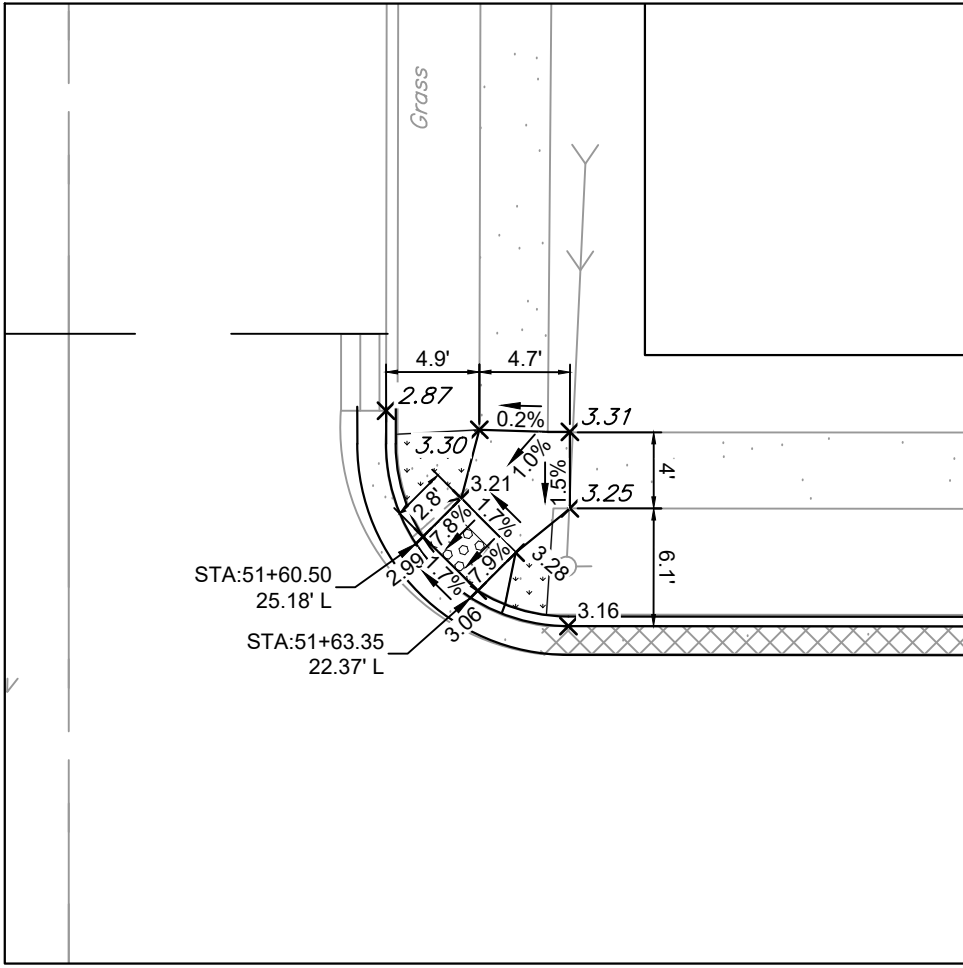
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SEE C-6



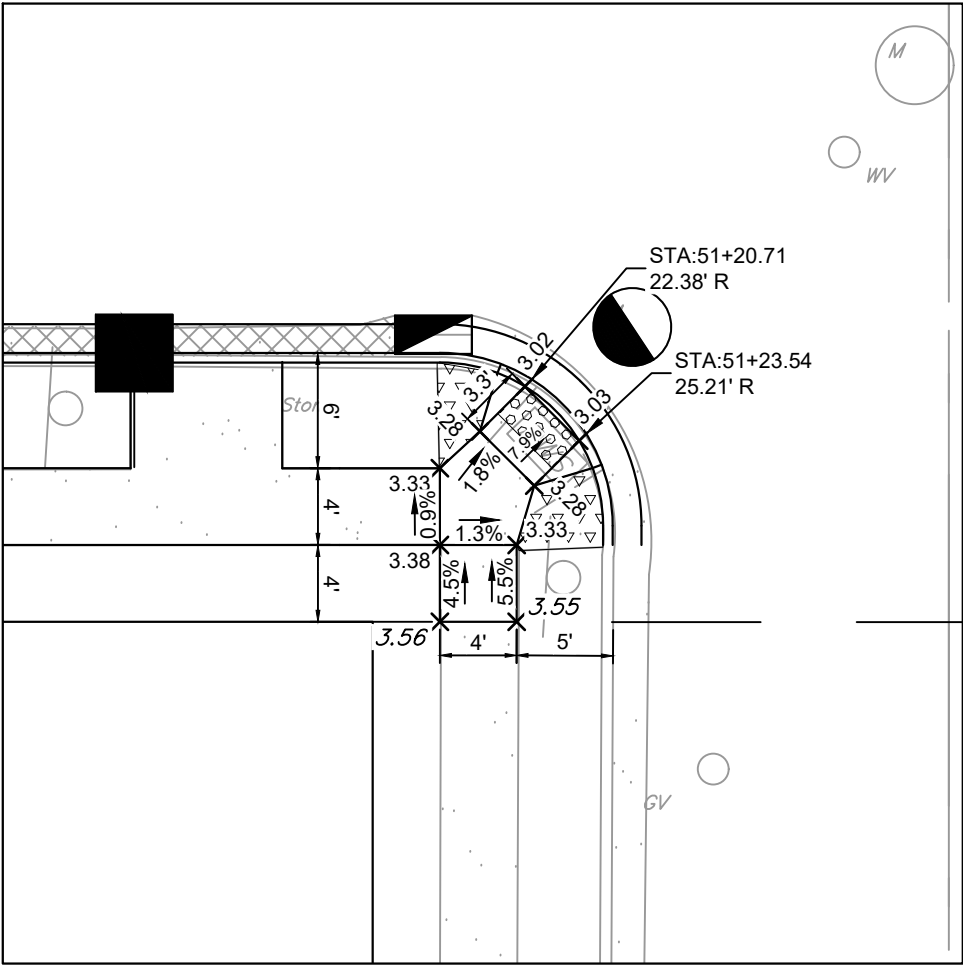
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SEE C-6



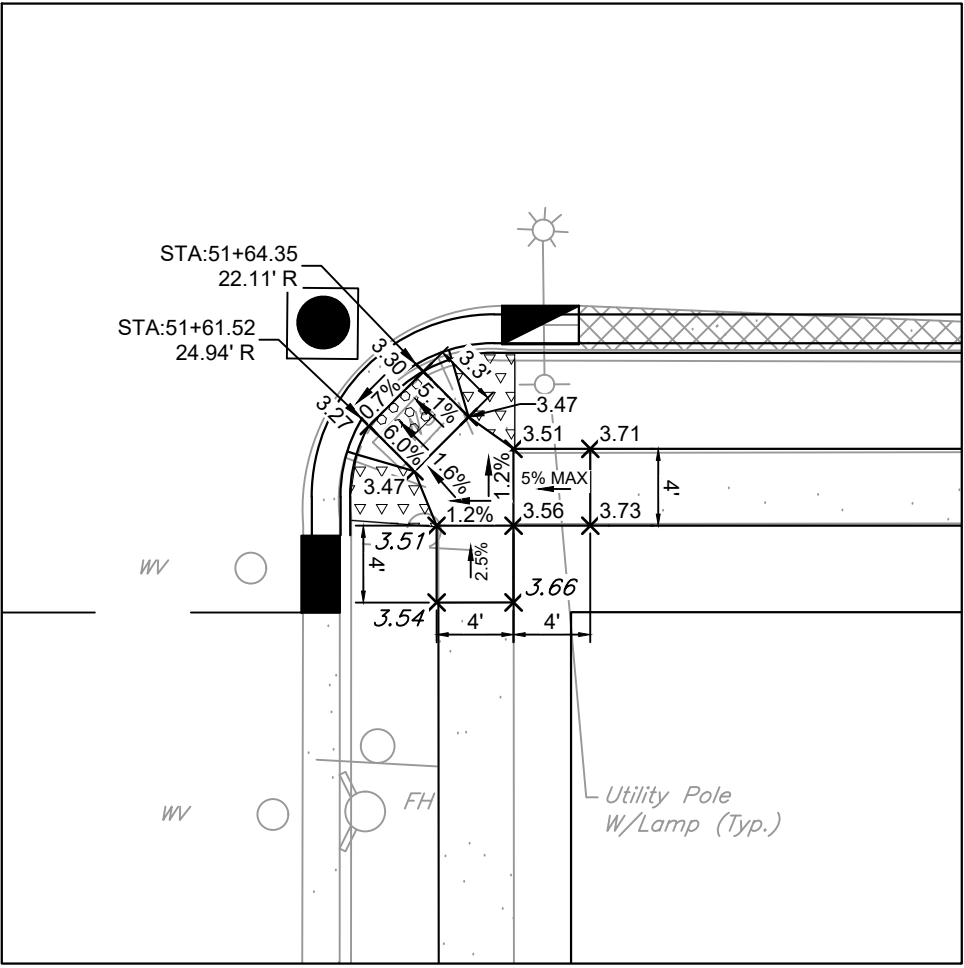
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SEE C-6



CURB RAMP 74
(TYPE 2)
SEE C-6



CURB RAMP 75
(TYPE 4)
SEE C-6



CURB RAMP 76
(TYPE 4)
SEE C-6