PROJECT DIVISION	PROJECT NO.
ATLANTIC COUNTY PROJECT NUMBER (S)	HWY-999X-00-2017-009
FEDERAL PROJECT NUMBER (S)	CMAQ-0629 (360)
NJDOT JOB NUMBER (S)	5500333

County of Atlantic

Department of Regional Planning and Development, Division of Engineering

P.O. BOX 719, RT. 9 & DOLPHIN AVENUE NORTHFIELD, NJ 08225

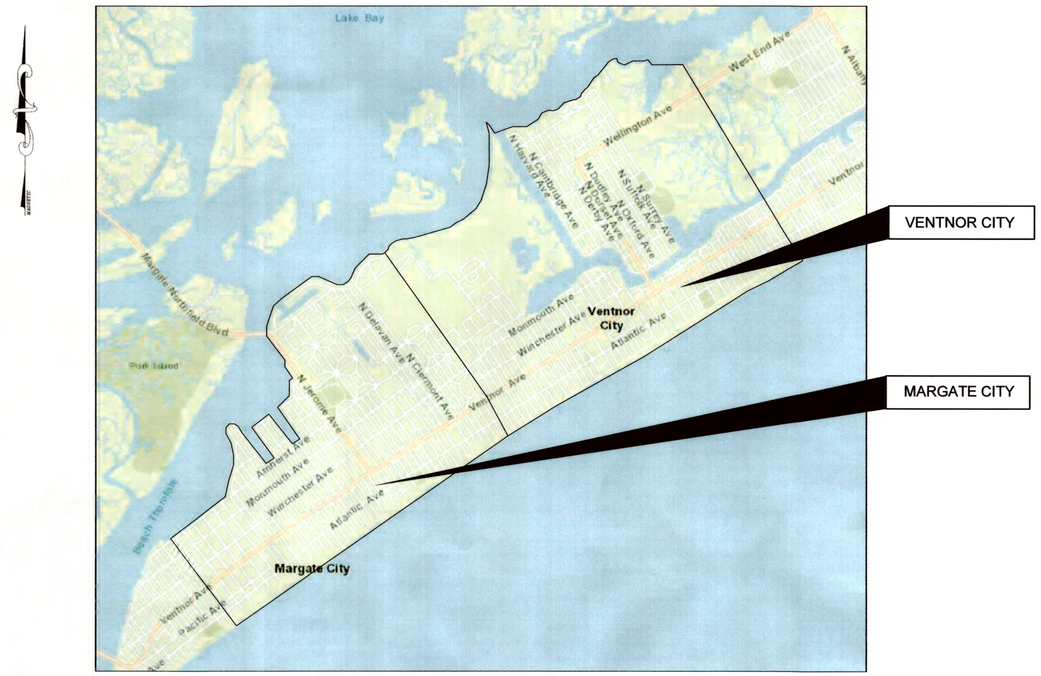
2020
PLANS OF
MARGATE-VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

MARGATE CITY & VENTNOR CITY
IN ATLANTIC COUNTY, NJ

OCTOBER 2019

UTILITIES
ATLANTIC COUNTY UTILITIES AUTHORITY
SOUTH JERSEY GAS CO. (GAS MAINS)
ATLANTIC CITY ELECTRIC
VERIZON TELEPHONE
COMCAST CABLE

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	ESTIMATE OF QUANTITIES AND GENERAL NOTES
3	GENERAL RACK LOCATION MAP
4	LEGEND
5-8	BICYCLE RACK DETAILS
9-10	BICYCLE RACK SPACING REQUIREMENTS
11	MARGATE BEACH BLOCK INSTALLATION DETAILS
12-20	MARGATE INSTALLATION DETAILS
21-30	VENTNOR INSTALLATION DETAILS



KEY MAP
NOT TO SCALE

Know what's below. Call before you dig.

"CHANGES MADE TO THESE PLANS SINCE SIGNATURE BY THE CONSULTANT MAY BE DETERMINED BY COMPARISON OF THE PLANS FILED AT THE COUNTY WITH THOSE FILED AT THE OFFICE OF THE CONSULTANT."

REMINGTON & VERNICK ENGINEERS

CERTIFICATE OF AUTHORIZATION NO. 24GA28003800

SIGNATURE & DATE 12·18·19

FRANK J. SENEY, PE

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 35321

Approved By County Executive

Date: 12-20-19

DENNIS LEVINSON

Recommended for Approval
By County Engineer

Date: 12-20-19

MARK V. SHOURDS

GENERAL NOTES

1. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF MUNICIPALITY, WILL NOT BE DAMAGED.
2. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON THE SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES" WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
3. THE CONTRACTOR SHALL BE REQUIRED TO PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH ALL APPLICABLE OSHA REGULATIONS.
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THE PROJECT, THE EXACT EXTENT OF WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
5. THE CONTRACTOR IS REQUIRED TO TAKE FIELD MEASUREMENTS OF ALL INSTALLATION SITES TO CONFIRM MINIMUM SPACING REQUIREMENTS ARE MET. THE LOCATION AND ORIENTATION OF EACH RACK SHALL BE APPROVED BY THE MUNICIPALITY PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF IMPENDING WORK AND FIELD VERIFY THE ACTUAL LOCATIONS OF ALL UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION.
7. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES FOR THIS CONTRACT. WHERE WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE WORK SHALL BE COORDINATED WITH THE UTILITY COMPANY.
8. ANY EXISTING BIKE RACKS, PLANTERS, SIGNS OR OTHER ITEMS THAT ARE TO BE REMOVED BY THIS PROJECT ARE CONSIDERED TO BE THE PROPERTY OF THE CITY OF MARGATE OR VENTNOR. THE CONTRACTOR SHALL COORDINATE THE RETURN OF ALL ITEMS WITH THE RESPECTIVE CITY.
9. THE CONTRACTOR SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT (HOP) FOR ALL WORK INVOLVING RACK INSTALLATION WITHIN ATLANTIC COUNTY RIGHT OF WAY.
10. NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 AND CURRENT SUPPLEMENTARY SPECIFICATIONS THERETO GOVERN.
11. STANDARD NJDOT CONSTRUCTION DETAILS PER CURRENT EDITION AND AS UPDATED BY BASELINE DOCUMENT CHANGES FROM LINK AS FOLLOWS: HTTPS://WWW.STATE.NJ.US/TRANSPORTATION/ENG/#DRAWINGS GOVERN.

SURVEY NOTES AND REFERENCES

1. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ON THESE PLANS ARE BASED ON EXISTING DEEDS, PROPERTY CONTROL, FILED MAPS AND THE CURRENT TAX MAPS OF THE CITIES OF VENTNOR AND MARGATE, ATLANTIC COUNTY, NEW JERSEY.

ENVIRONMENTAL COMMENTS

1. CONSTRUCTION STAGING ACTIVITIES (INCLUDING THE STORAGE OF EQUIPMENT/VEHICLES/MATERIALS) ARE PROHIBITED IN ENVIRONMENTALLY SENSITIVE AREAS. IF THE CONTRACTOR WISHES TO USE THESE AREAS OR ACCESS THESE AREAS FOR ANY REASON, ALL APPROPRIATE PERMITS/APPROVALS MUST BE OBTAINED PRIOR TO SUCH USE.
2. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. IF ACID-PRODUCING SOILS ARE ENCOUNTERED DURING CONSTRUCTION, THEY SHALL BE TREATED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND AS SPECIFIED IN NJDOT SPECIFICATIONS.
3. IF THERE ARE ANY CHANGES TO THE PROPOSED ACTIVITIES, THE CHANGES MUST BE RE-EVALUATED BY THE NJDOT BUREAU OF ENVIRONMENTAL PROGRAM RESOURCES (BEPR) TO DETERMINE THE NEED FOR ADDITIONAL REGULATORY COMPLIANCE. THIS MAY REQUIRE COORDINATION WITH REGULATORY AGENCIES.
4. THE PROJECT SPONSOR SHOULD COORDINATE WITH THE OFFICIAL HAVING JURISDICTION OVER THE PARK FACILITY(IES) AND REQUEST A LETTER THAT INDICATES THAT THE PROPOSED IMPROVEMENTS (BICYCLE RACKS) WILL NOT HAVE A NEGATIVE IMPACT ON THE PARK FACILITY OR USE.

ESTIMATE OF QUANTITIES

#	DESCRIPTION	Margate		Ventnor		Totals	
		No. of Racks	Bike Capacity	No. of Racks	Bike Capacity	No. of Racks	Bike Capacity
1	Inverted "U" with Logo Panel - Surface Mount	15	30	16	32	31	62
2	Inverted "U" with Logo Panel - Surface Mount with Foundation	15	30	0	0	15	30
3	Oval Rack w/Galvanized Square Tubing - Surface Mount	63	126	0	0	63	126
4	Oval Rack w/Galvanized Square Tubing - Surface Mount with Foundation	33	66	0	0	33	66
5	Oval Rack w/Galvanized Round Tubing - Surface Mount	0	0	0	0	0	0
6	Oval Rack w/Galvanized Round Tubing -Surface Mount with Foundation	0	0	48	96	48	96
7	On-Street Parking Corral - Surface Track Mount (1 unit includes 5 racks)	5	10	0	0	5	10
8	On-Street Parking Corral - Custom Wave Rack	0	0	13	26	13	26
	Amount/Totals	**131**	**262**	**77**	**154**	**208**	**416**

NOTE: DETAILS FOR ITEMS LISTED ARE SHOWN ON SHEETS 5-8.

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800

FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

SEAL OF COUNTY OF ATLANTIC 1837 NEW JERSEY

DIVISION OF ENGINEERING

MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
24GE 04026400

COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

ESTIMATE OF QUANTITIES AND GENERAL NOTES

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

ATLANTIC COUNTY PROJECT NUMBER (S): HWY-999X-00-2017-009
FEDERAL PROJECT NUMBER (S): CMAQ-0629 (360)
NJDOT JOB NUMBER (S): 5500333
Drawn By: JAR/SPB
Checked By: JAR/SPB/DSK
Date: 08/29/2019
CADD File Name: EDQ-0100F002 - Atlantic County Format
CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG



GENERAL RACK LOCATION MAP

LEGEND

- (VX) = VENTNOR BICYCLE RACK LOCATION (20 TOTAL SITES)
- (MX) = MARGATE BICYCLE RACK LOCATION (17 TOTAL SITES)
- (M1)—(M54) = MARGATE BEACH BLOCK BICYCLE RACKS (54 TOTAL SITES)

NOTE: INSTALLATION DETAILS FOR EACH INDIVIDUAL LOCATION ARE INCLUDED ON SHEETS 11 TO 30

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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GENERAL RACK LOCATION MAP

MARGATE - VENTNOR
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Checked By: JAR/SPB/DSK
Date: 08/29/2019
CADD File Name: 0100F002 - Margate & Ventnor - Rack Location Map.dwg
CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG

3
30

STANDARD LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED

UTILITIES

DESCRIPTION	EXISTING	PROPOSED
OVERHEAD WIRE	OHW	
SANITARY FORCE MAIN PIPE	FM	FM
STORM SEWER PIPE ≤12"	D	D
STORM SEWER PIPE >12"	(SIZE & TYPE)	(SIZE & TYPE)
GAS SERVICE	G	G
SANITARY SEWER PIPE ≤12"	S	S
SANITARY SEWER PIPE >12"	(SIZE & TYPE)	(SIZE & TYPE)
ELECTRIC SERVICE	E	E
FIBER OPTIC SERVICE	FO	FO
TELEPHONE SERVICE	T	T
COMMUNICATIONS SERVICE	C	C
IRRIGATION PIPE	IRR	IRR
WATER SERVICE	W	W
WATER SHUT-OFF		
WATER METER		
WATER VALVE		NEW RESET
WATER HYDRANT		NEW RESET
WELL		
YARD HYDRANT		
METER PIT		
GAS SHUT-OFF		
GAS METER		
GAS VALVE		NEW RESET
GAS LINE MARKER		
CLEANOUT		
SEWER VENT		
INLET TYPE A		NEW RESET/SET RECONSTRUCT
INLET TYPE B		NEW RESET/SET RECONSTRUCT
INLET TYPE E		NEW RESET/SET RECONSTRUCT
AREA DRAIN		
MANHOLES	SANITARY, DRAINAGE, TELEPHONE, WATER, CATV, UNDERDRAIN, ELECTRIC, GAS, UNKNOWN	NEW RESET RECONSTRUCT
IRRIGATION CONTROL VALVE		NEW RESET
IRRIGATION BOX		
IRRIGATION CONTROL BOX		
SPRINKLER HEAD		
UNKNOWN VALVE		
COMMUNICATIONS PEDESTAL		
COMMUNICATIONS LINE MARKER		
TELEPHONE PEDESTAL		
TELEPHONE LINE MARKER		
ELEC. BOX		
ELEC. METER		
ELEC. TRANSFORMER PAD		
ELEC. VAULT		
ELEC. LINE MARKER		
UTILITY POLE	STANDARD, W/ LIGHT, W/ SOLAR	
GUY ANCHOR		
ELEC. OUTLET		
LIGHTS	POLE, AREA	
VENT		
VENT PIPE		

SURVEY

DESCRIPTION	EXISTING	PROPOSED
CROWS FOOT		
AERIAL TARGET		
CONCRETE MONUMENT		(SET)
PK / MAG NAIL DRILL HOLE SPIKE		(SET)
DRILL HOLE W/ WINGS		
STAKE		(SET)
HUB		(SET)
PIN W/ CAP IRON PIPE IRON PIN		(SET)
CROSS CUT		(SET)
DISK		
STONE		
REBAR		
BASELINE	7+00	8+00
CENTERLINE		
EASEMENT		
RIGHT-OF-WAY		
PROPERTY BOUNDARY		
ADJACENT PROPERTY BOUNDARY		
RAILROAD TRACKS		
STATE BOUNDARY		
MUNICIPAL / COUNTY BOUNDARY		

ENVIRONMENTAL

DESCRIPTION	EXISTING	PROPOSED
BORING LOCATION	B-#	B-#
MONITORING WELL LOCATION	MW-#	MW-#
TEST PIT LOCATION	TP-#	TP-#
FRESHWATER WETLAND FLAG	FW-#	
FRESHWATER WETLAND LINE		
FRESHWATER WETLAND BUFFER		
EDGE OF WATER		
STREAM CENTERLINE		

LANDSCAPING

DESCRIPTION	EXISTING	PROPOSED
GRASS/SOD		
DECIDUOUS TREE		SHADE ORNAMENTAL
SHRUBS / BUSH		
EVERGREENS		
STUMP		
WOODS / TREE LINE		
WIRE FENCE		
SPLIT RAIL FENCE		
WOOD / VINYL FENCE		
CHAIN-LINK FENCE	X X	X X

GRADING

DESCRIPTION	EXISTING	PROPOSED
TOP OF BANK / DITCH	TB	
BOTTOM OF BANK / DITCH	BB	
CONTOUR (MAJOR)		5
CONTOUR (MINOR)		3
FLOW LINE / SWALE		
TIME OF CONCENTRATION		
SPOT GRADE	x3.48	TC5.45 GL4.95
ROADWAY GRADE	TC5.45 GL4.95	
DRAINAGE FLOW		

SITE & ROADWORK

DESCRIPTION	EXISTING	PROPOSED
EDGE OF PAVEMENT		
CURB		
PAVEMENT / CONC. / SIDEWALK	BITUMINOUS/ASPHALT, CONCRETE, BRICK/PAVERS, STONE	ASPHALT DRIVEWAY, CONCRETE, BRICK/PAVERS, STONE, MILLING
LIMIT OF EXCAVATION		
GUIDE RAIL		
BOLLARD		
MAILBOX		
SIGNS		
FLAG POLE		
BENCH		
PILE		
DETECTABLE WARNING SURFACE		
TYPICAL STRIPING		
ADA STRIPING		
TRAFFIC CONTROL BOX		
TRAFFIC LIGHT		(ARM TO SCALE)
DEPT. OF TRANSPORTATION MANHOLE		
STATE HIGHWAY DEPARTMENT	MANHOLE, BOX	
RAILROAD CROSSING BEACON		
CALL BOX		
OIL FILL		
UNDERGROUND STORAGE TANK LID	UST	
RISER PIPE		
RAISED PAVEMENT MARKER		

MISC.

DESCRIPTION	EXISTING	PROPOSED
BBQ GRILL		
WATER FOUNTAIN		
KIOSK		
AIR CONDITIONER		
PARKING METER		
FIRE CONTROL VALVE		
BARRICADE		

GENERAL

DESCRIPTION	EXISTING	PROPOSED
PHOTO LOCATION		
BENCHMARK LOCATION	BM X	
TYPICAL SECTION ARROW		A
MATCH LINE		
TYPICAL NORTH ARROW		

NORTH POINT TO BE USED ON STANDARD CONSTRUCTION SHEETS WHERE BEARINGS REFER TO STATE PLANE COORDINATE SYSTEM.

ABBREVIATIONS

APR. APRON	E.B., W.B., N.B., S.B. EASTBOUND, WESTBOUND, NORTHBOUND, SOUTHBOUND	PC POINT OF CURVATURE	S.H.D. STATE HIGHWAY DEPARTMENT
BL BASELINE	G GUTTER	PI POINT OF INFLECTION	SHLD. SHOULDER
BM BENCH MARK	GR GRATE	PT POINT OF TANGENCY	STY. STORY
BIT. BITUMINOUS	HW HEADWALL	PK PARKER KAYLON MASONRY NAIL	T.B.A. TO BE ABANDONED
BLDG. BUILDING	H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE	PROP. PROPOSED	T.B.R. TO BE REMOVED
CL CENTERLINE	INV. INVERT	P.V.C. POLYVINYL CHLORIDE PIPE	TC TOP OF CURB
C.I.P. CAST IRON PIPE	IP IRON PIN	PVC POINT OF VERTICAL CURVATURE	TEL TELEPHONE
CONC. CONCRETE	J.B. JUNCTION BOX	PVI POINT OF VERTICAL INTERSECTION	TEMP. TEMPORARY
C.M.P. CORRUGATED METAL PIPE	L.S.T. LANDSCAPE TIE	PVT POINT OF VERTICAL TANGENCY	TYP. TYPICAL
CULV. CULVERT	L.O.M. LIMIT OF MILLING	R RADIUS	U.D. UNDERDRAIN
D.C. DEPRESSED CURB	L.O.P. LIMIT OF PAVING	R.C.P. REINFORCED CONCRETE PIPE	U.P. UTILITY POLE
DH DRILL HOLE	MB MAILBOX	RMC RIGID METALLIC CONDUIT	VAR. VARIES
DIA. DIAMETER	MAX. MAXIMUM	R.O.W. RIGHT OF WAY	WM WATER METER
DWY DRIVEWAY	MIN. MINIMUM	R.R. RAILROAD	
D.I.P. DUCTILE IRON PIPE	NO. NUMBER	RTE. ROUTE	
EL. ELEVATION	N.T.S. NOT TO SCALE	SAN. SANITARY	
EX. EXISTING	PERF. PERFORATED	SWK. SIDEWALK	

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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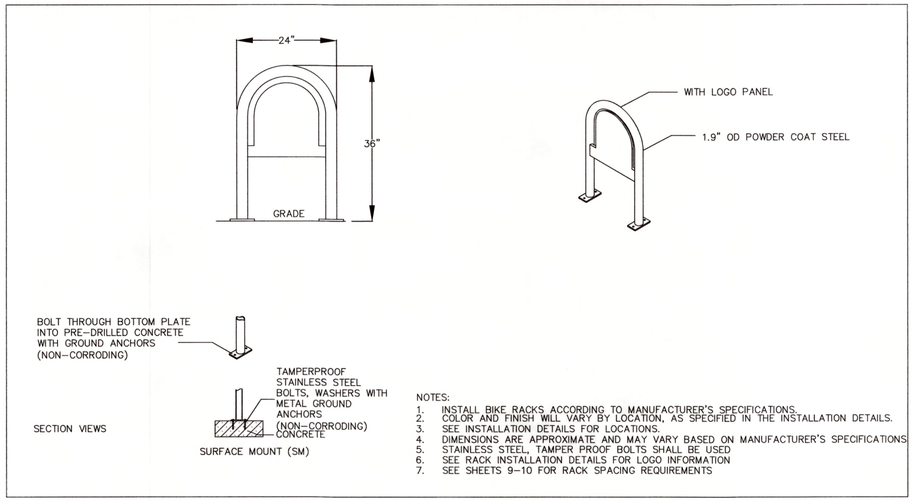
COUNTY OF ATLANTIC
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LEGEND

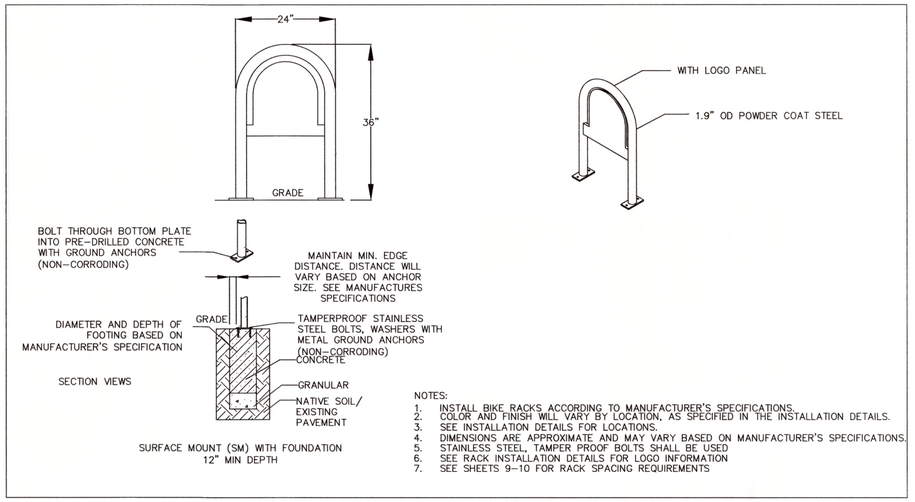
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CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG

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INVERTED U WITH LOGO PANEL – SURFACE MOUNT (ITEM NO.1)



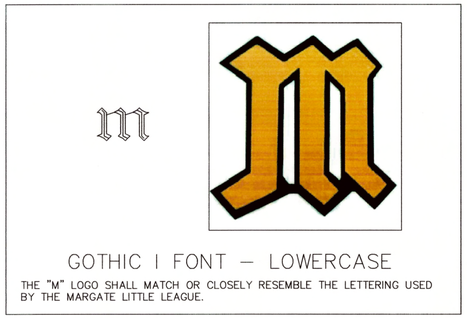
INVERTED U WITH LOGO PANEL – SURFACE MOUNT WITH FOUNDATION (ITEM NO.2)



CUSTOM LUCY LOGO

CUSTOM LOGO NOTES:

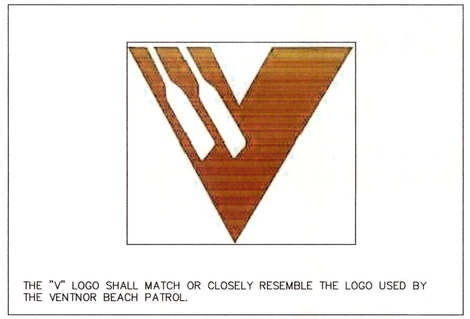
1. CUSTOM LOGOS TO BE USED FOR LOCATIONS SPECIFIED.
2. IF MANUFACTURER CANNOT REPLICATE ANY CUSTOM LOGO, CONSULT WITH THE APPROPRIATE CITY FOR A SECONDARY OPTION.



GOTHIC I FONT – LOWERCASE

THE "M" LOGO SHALL MATCH OR CLOSELY RESEMBLE THE LETTERING USED BY THE MARGATE LITTLE LEAGUE.

CUSTOM "M" LOGO



THE "V" LOGO SHALL MATCH OR CLOSELY RESEMBLE THE LOGO USED BY THE VENTNOR BEACH PATROL.

CUSTOM "V" LOGO

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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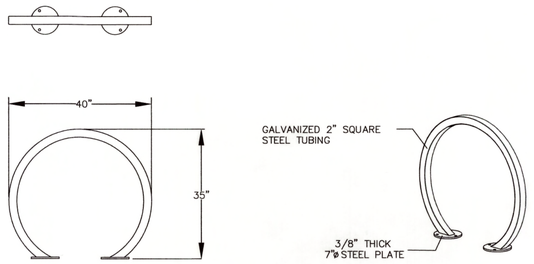
COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

BICYCLE RACK DETAILS
INVERTED U RACK WITH LOGO

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

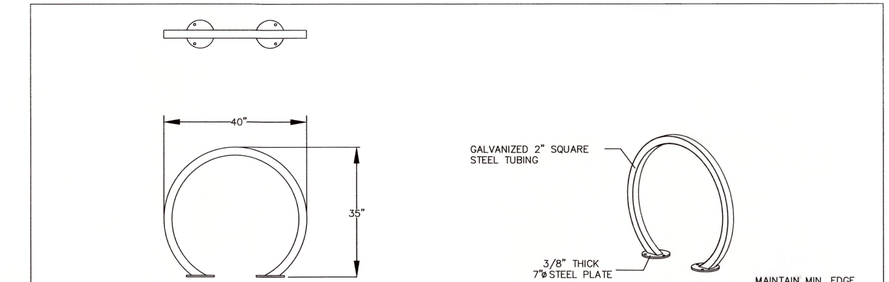
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CADD File Name: 0100F002 - Margate Beach Blocks - General Rack Details.dwg
CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG

5
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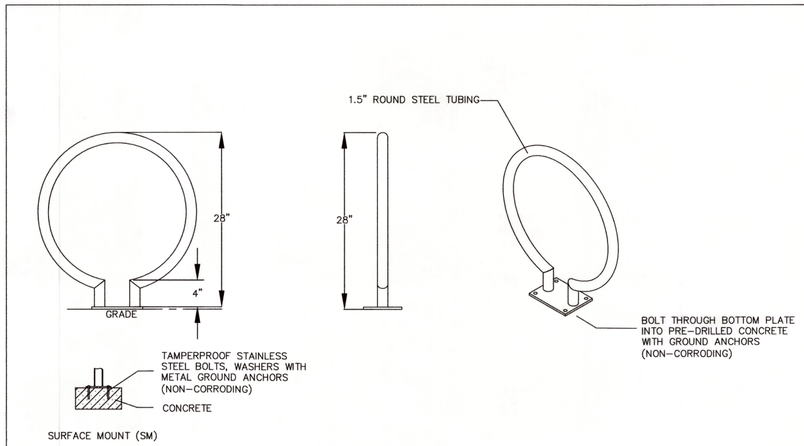
NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. SEE INSTALLATION DETAILS FOR LOCATIONS.
3. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.
4. STAINLESS STEEL, TAMPER PROOF BOLTS SHALL BE USED
5. SEE SHEETS 9-10 FOR RACK SPACING REQUIREMENTS
6. LOCATIONS AT BEACH BLOCK ENDS TO BE CONFIRMED DURING INSPECTION ACCORDING TO SPECIFICATIONS

OVAL RACK WITH GALVANIZED SQUARE TUBING - SURFACE MOUNT
(ITEM NO. 3)



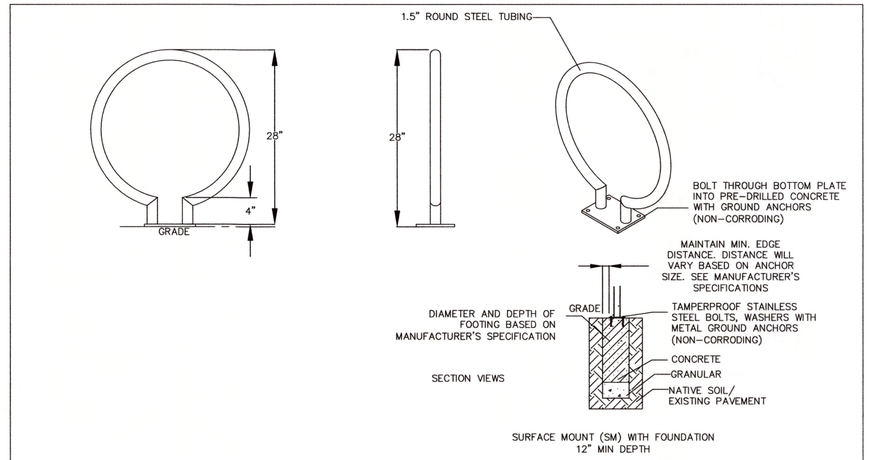
NOTES:
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2. SEE INSTALLATION DETAIL FOR LOCATIONS.
3. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.
4. STAINLESS STEEL, TAMPER PROOF BOLTS SHALL BE USED
5. SEE SHEETS 9-10 FOR RACK SPACING REQUIREMENTS
6. LOCATIONS AT BEACH BLOCK ENDS TO BE CONFIRMED DURING INSPECTION ACCORDING TO SPECIFICATIONS

OVAL RACK WITH GALVANIZED SQUARE TUBING - SURFACE MOUNT (SM) WITH FOUNDATION
(ITEM NO. 4)



NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. COLOR AND FINISH WILL VARY BY LOCATION, AS SPECIFIED IN THE INSTALLATION DETAILS.
3. SEE INSTALLATION DETAILS PLANS FOR LOCATIONS.
4. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.
5. STAINLESS STEEL, TAMPER PROOF BOLTS SHALL BE USED
6. SEE SHEETS 9-10 FOR RACK SPACING REQUIREMENTS

OVAL RACK WITH GALVANIZED ROUND TUBING - SURFACE MOUNT
(ITEM NO. 5)



NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. COLOR AND FINISH WILL VARY BY LOCATION, AS SPECIFIED IN THE INSTALLATION DETAILS.
3. SEE INSTALLATION DETAILS PLANS FOR LOCATIONS.
4. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.
5. STAINLESS STEEL, TAMPER PROOF BOLTS SHALL BE USED
6. SEE SHEETS 9-10 FOR RACK SPACING REQUIREMENTS

OVAL RACK WITH GALVANIZED ROUND TUBING - SURFACE MOUNT (SM) WITH FOUNDATION
(ITEM NO. 6)

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800
FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

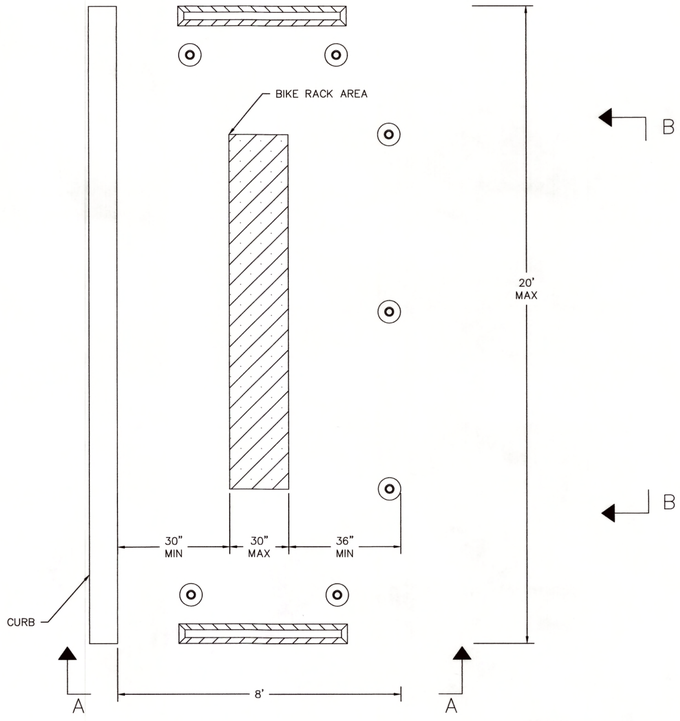
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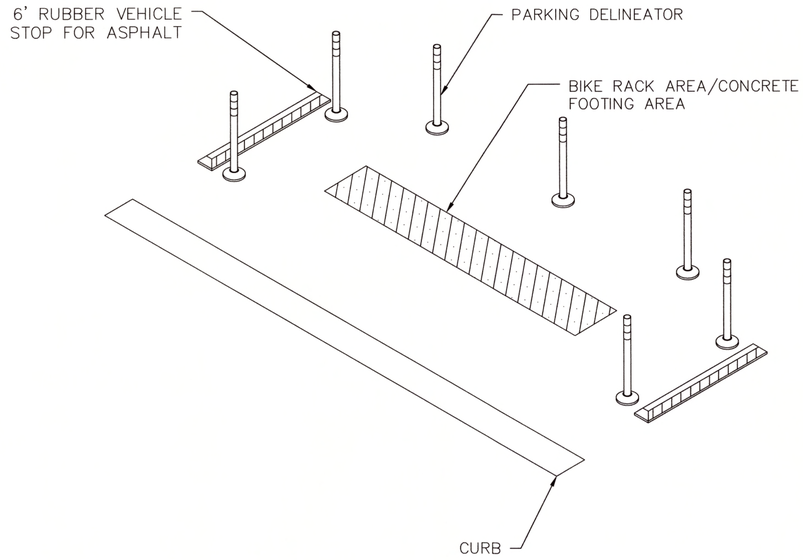
DIVISION OF ENGINEERING
MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
24GE 04026400

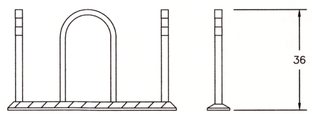
COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING AND DEVELOPMENT

BICYCLE RACK DETAILS
OVAL RACK
MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

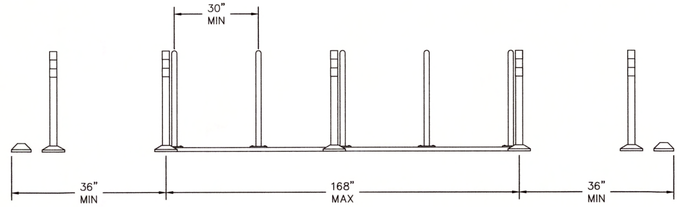
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FEDERAL PROJECT NUMBER (S) CMAQ-0629 (360)
NJDOT JOB NUMBER (S) 5500333
Drawn By: JAR/SPB
Checked By: JAR/SPB/DSK Date: 08/29/2019
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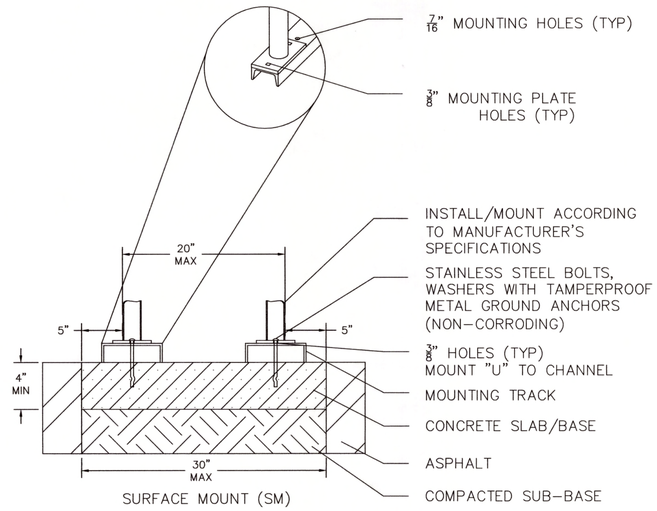




A–A SECTION



B–B SECTION



SURFACE MOUNT (SM)

ON-STREET PARKING CORRAL – SURFACE TRACK MOUNT (ITEM NO.7)

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CITY OF MARGATE TO SELECT COLOR(FINISH), SEE SHEET 17.
3. SEE INSTALLATION DETAILS FOR LOCATION.

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800

FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

DIVISION OF ENGINEERING

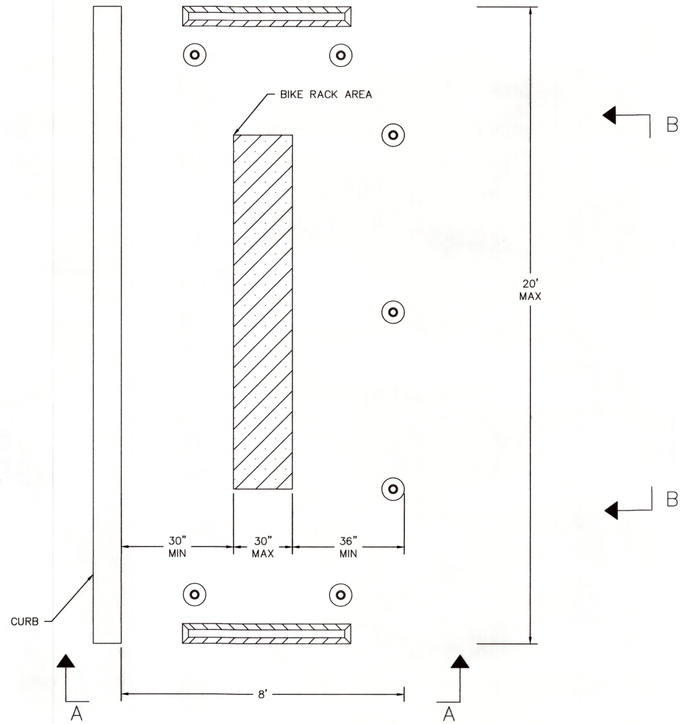
MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
24GE 04026400

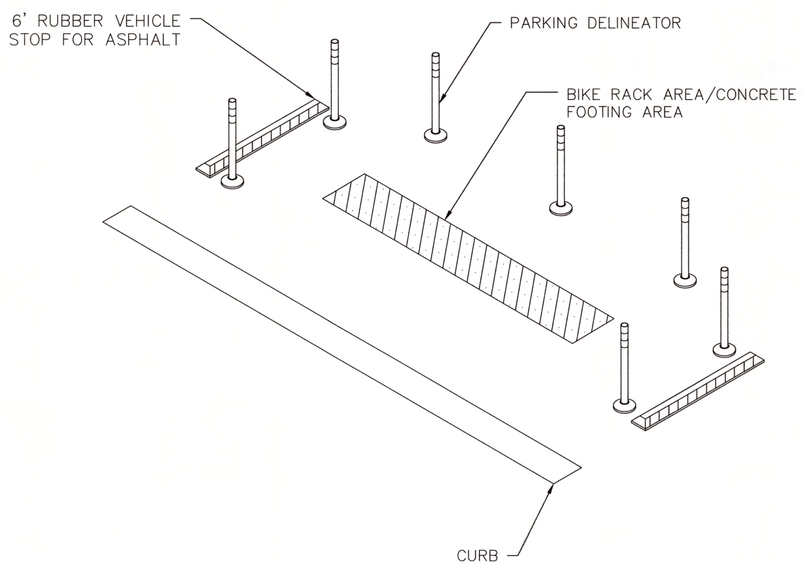
COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

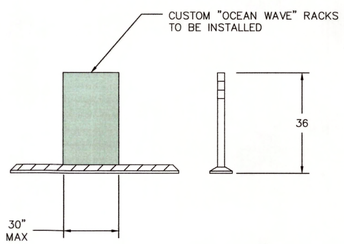
BICYCLE RACK DETAILS ON-STREET CORRAL

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

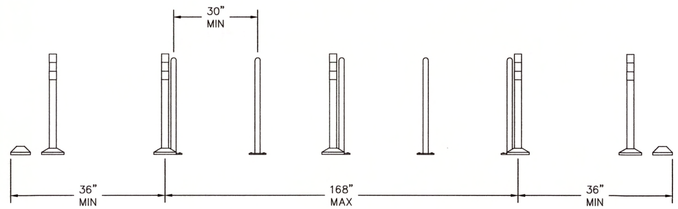
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FEDERAL PROJECT NUMBER (S): CMAQ-0629 (360)
NJDOT JOB NUMBER (S): 5500333
Drawn By: JAR/SPB
Checked By: JAR/SPB/DSK
Date: 08/29/2019
CADD File Name: 0100F002 - Margate Beach Blocks - General Rack Details.dwg
CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG



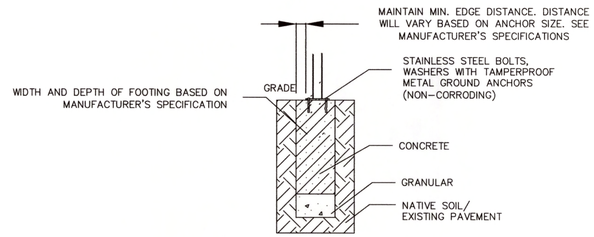




A–A SECTION



B–B SECTION



SURFACE MOUNT (SM) WITH FOUNDATION
12" MIN DEPTH

ON–STREET PARKING CORRAL – CUSTOM RACK WITH FOUNDATION (ITEM NO.8)

NOTES:
1. INSTALL CUSTOM BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CITY OF VENTNOR TO SELECT COLOR(FINISH), SEE INSTALLATION DETAILS FOR ADDED INFORMATION.
3. SEE INSTALLATION DETAILS FOR LOCATION.

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800

FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

SEAL OF COUNTY OF ATLANTIC 1837 NEW JERSEY

DIVISION OF ENGINEERING

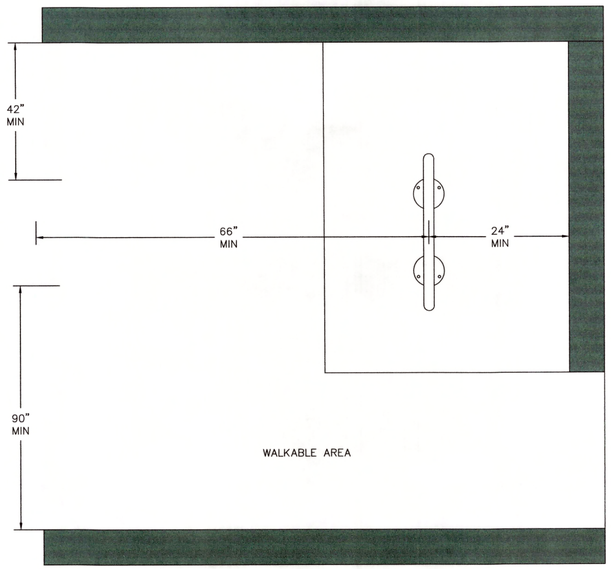
MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
24GE 04026400

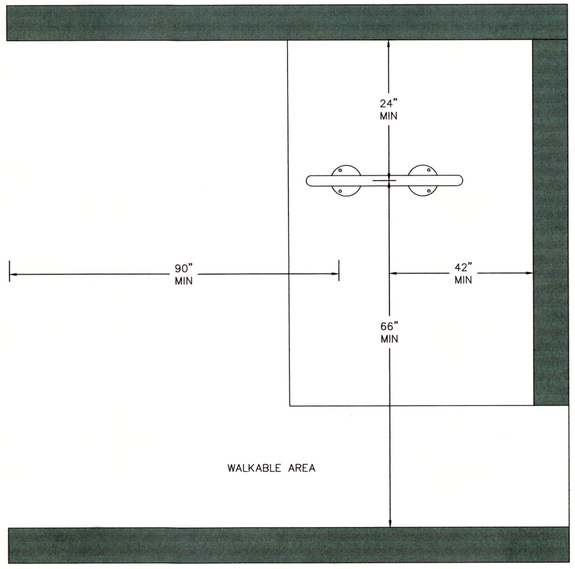
COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

BICYCLE RACK DETAILS ON-STREET CORRAL

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

ATLANTIC COUNTY PROJECT NUMBER (S) HWY-999X-00-2017-009
FEDERAL PROJECT NUMBER (S) CMAQ-0629 (360)
NJDOT JOB NUMBER (S) 5500333
Drawn By: JAR/SPB
Checked By: JAR/SPB/DSK Date: 08/29/2019
CADD File Name: 0100F002 - Margate Beach Blocks - General Rack Details.dwg
CADD File Path: M:\Transportation_Bridge\Atlantic County\0100F002 - Bicycle Infrastructure\DWG





NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. COLOR AND FINISH WILL VARY BY LOCATION, AS SPECIFIED IN THE INSTALLATION DETAILS.
3. SEE INSTALLATION DETAILS FOR LOCATIONS.
4. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.

SHADED AREA REPRESENTS ALL LIMITING FEATURES SUCH AS WALLS, CURB, BENCHES, TREES, ETC.

SINGLE RACK SPACING REQUIREMENTS

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800

FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

DIVISION OF ENGINEERING

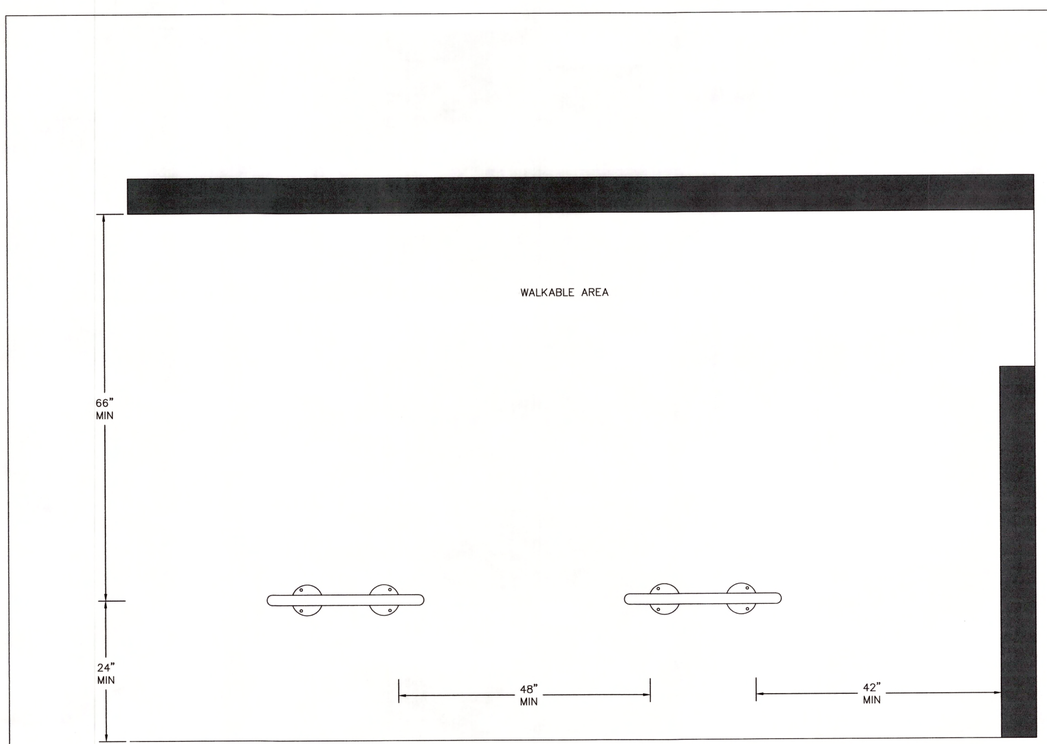
MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
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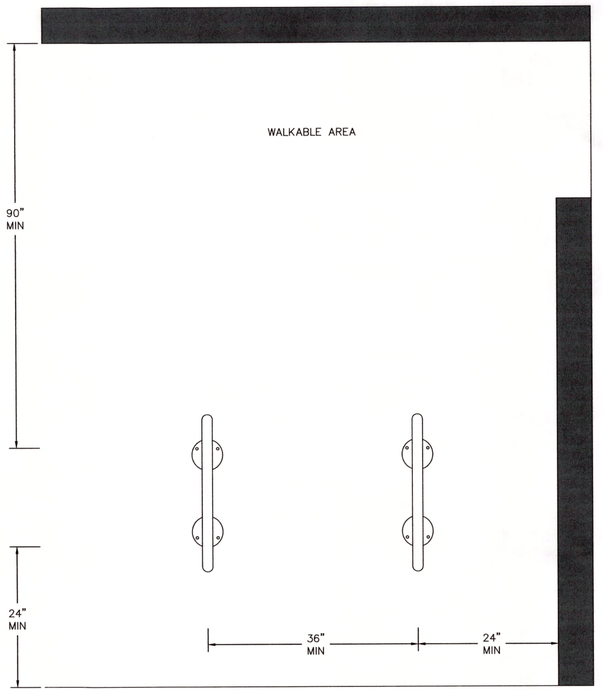
COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

BICYCLE RACK SPACING REQUIREMENTS - SINGLE RACK

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

ATLANTIC COUNTY PROJECT NUMBER (S) HWY-999X-00-2017-009
FEDERAL PROJECT NUMBER (S) CMAQ-0629 (360)
NJDOT JOB NUMBER (S) 5500333
Drawn By: JAR/SPB
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NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. COLOR AND FINISH WILL VARY BY LOCATION, AS SPECIFIED IN THE INSTALLATION DETAILS.
3. SEE INSTALLATION DETAILS FOR LOCATIONS.
4. DIMENSIONS ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER'S SPECIFICATIONS.

SHADED AREA REPRESENTS ALL LIMITING FEATURES SUCH AS WALLS, CURB, BENCHES, TREES, ETC.

MULTI-RACK SPACING REQUIREMENTS

REVISIONS			
NO.	DATE	DESCRIPTION	BY

REMINGTON & VERNICK ENGINEERS
CERTIFICATE OF AUTHORIZATION
No. 24GA28003800

FRANK J. SENEY JR.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
35321

DIVISION OF ENGINEERING

MARK V. SHOURDS
COUNTY ENGINEER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NUMBER
24GE 04026400

COUNTY OF ATLANTIC
DEPARTMENT OF REGIONAL PLANNING
AND DEVELOPMENT

BICYCLE RACK SPACING REQUIREMENTS - MULTI RACK

MARGATE - VENTNOR
BICYCLE INFRASTRUCTURE PROJECT

ATLANTIC COUNTY PROJECT NUMBER (S): HWY-999X-00-2017-009
FEDERAL PROJECT NUMBER (S): CMAQ-0629 (360)
NJDOT JOB NUMBER (S): 5500333
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