

# REPLACEMENT OF SECURITY PERIMETER FENCE

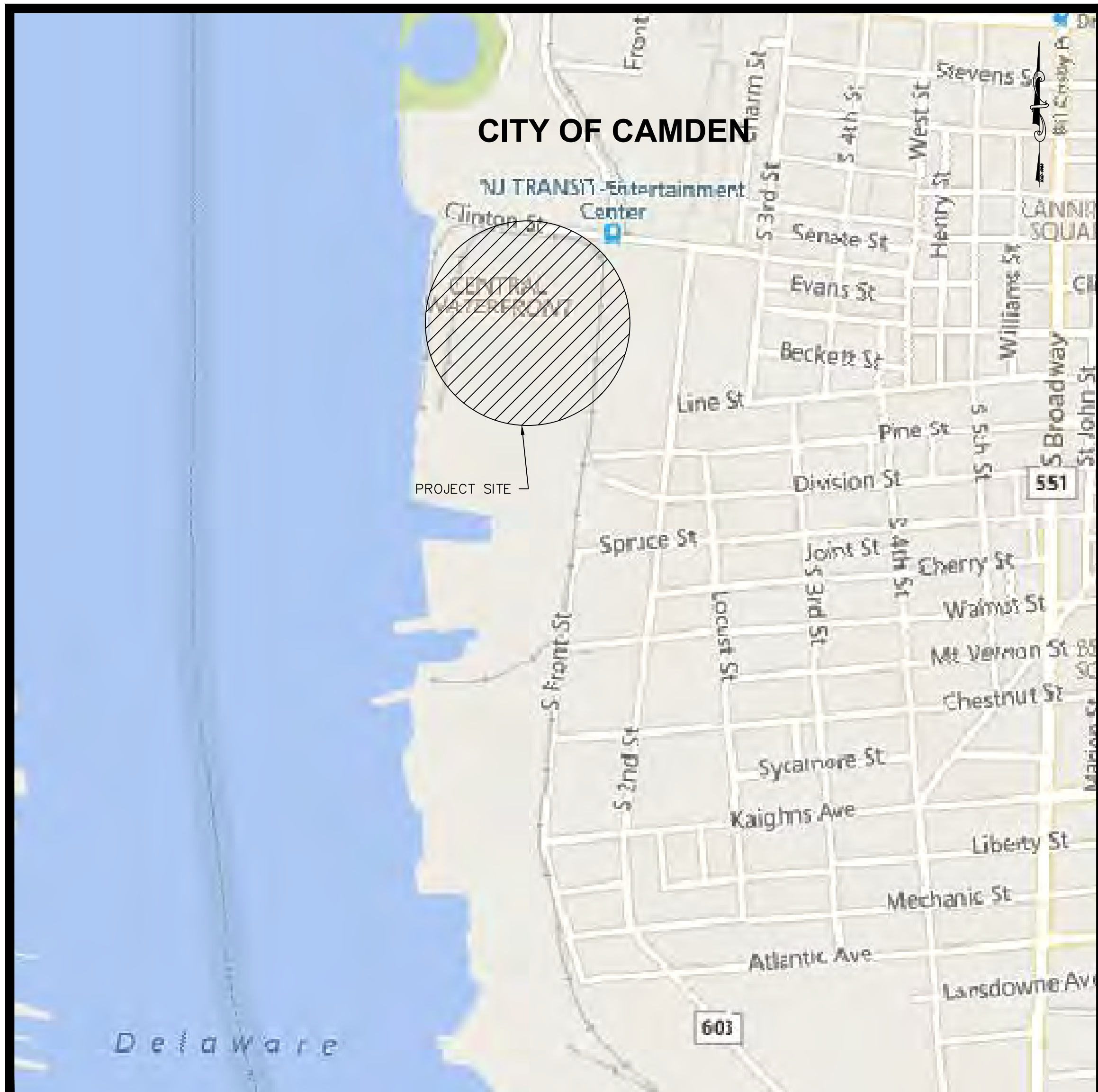
## BALZANO MARINE TERMINAL



**REMINGTON & VERNICK ENGINEERS**  
 2059 SPRINGDALE ROAD  
 CHERRY HILL, NJ 08003  
 (856) 795-9595, FAX (856) 795-1882  
 WEB SITE ADDRESS : WWW.RVE.COM  
 Certification of Authorization: 24 CA 28003300  
 ~ENGINEERING EXCELLENCE~

DATE:  
**WILLIAM M. BISIRRI**  
 NJ PROFESSIONAL ENGINEER LIC. No. 51082

LIST OF UTILITIES	
<b>WATER &amp; SEWER:</b>	<b>CAMDEN WATER L.L.C.</b> 1257 S. SECOND ST. CAMDEN, NJ 08104 856-635-1264
<b>WATER:</b>	<b>NEW JERSEY AMERICAN WATER CO.</b> 213 CARRIAGE LANE DELRAN, NJ 08075
<b>GAS:</b>	<b>PSE&amp;G GAS DISTRIBUTION DIVISION</b> 300 CONNECTICUT DRIVE BURLINGTON, NJ 08086 856-778-6776 ATTN: GEORGE BAKER
<b>ELECTRIC:</b>	<b>PSE&amp;G ELECTRIC DISTRIBUTION DIVISION</b> 300 NEW ALBANY ROAD MOORESTOWN, NJ 08057 856-573-2077 ATTN: BOB SODER
<b>CABLE:</b>	<b>COMCAST</b> 1250 HADDONFIELD ROAD CHERRY HILL, NJ 08034 856-272-1000
<b>TELEPHONE:</b>	<b>VERIZON - NEW JERSEY</b> 10 TANSBORO ROAD BERLIN, NJ 08009
<b>AT&amp;T:</b>	<b>TRANSCONTINENTAL CABLE ROUTE</b> UNDERGROUND LOCATION SERVICE NEW JERSEY UTILITIES ASSOCIATION 800-252-1133



SHEET INDEX	
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**PROJECT LOCATION MAP**

SCALE: 1" = 1000'

<b>FUNDING SOURCE:</b>
<b>SJPC</b>


THE ELECTRONIC VERSION OF THE 2019 NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EFFECTIVE SEPTEMBER 1, 2019, AS REFERENCED IN BASELINE DOCUMENT CHANGE ANNOUNCEMENT BDC19S-01, UNLESS MODIFIED WITHIN THE TECHNICAL SPECIFICATIONS OF THIS CONTRACT, SHALL GOVERN.

THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION\TRAFFIC CONTROL\BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2007 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

### CITY OF CAMDEN

### CAMDEN COUNTY, NEW JERSEY

OCTOBER, 2021

 **New Jersey One Call**  
**CALL BEFORE YOU DIG**  
**811 or 1-800-272-1000**  
**ITS THE LAW**  
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT NJ ONE CALL PRIOR TO THE START OF CONSTRUCTION. CALL FOR MARKOUTS THREE (3) FULL BUSINESS DAYS IN ADVANCE AND BEGIN EXCAVATION WITHIN 10 DAYS. ALL CONTRACTORS ON-SITE MUST HAVE THEIR OWN MARKOUT.

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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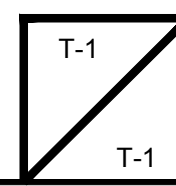
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**TITLE SHEET**

SOUTH JERSEY PORT CORPORATION  
**REPLACEMENT OF SECURITY PERIMETER FENCE**  
**BALZANO MARINE TERMINAL**

CITY OF CAMDEN  
 CAMDEN COUNTY  
 NEW JERSEY

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# STANDARD LEGEND

NOTE: ALL SYMBOLS MAY NOT BE USED

ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	
<b>UTILITIES</b>	OVERHEAD WIRE			<b>SURVEY</b>	CROWS FOOT	Y		<b>SITE &amp; ROADWORK</b>	EDGE OF PAVEMENT			
	SANITARY FORCE MAIN PIPE				AERIAL TARGET					CURB		
	STORM SEWER PIPE ≤ 12"				CONCRETE MONUMENT					PAVEMENT / CONC. / SIDEWALK		
	STORM SEWER PIPE > 12"				PK / MAG NAIL							
	GAS SERVICE				DRILL HOLE SPIKE							
	SANITARY SEWER PIPE ≤ 12"				DRILL HOLE W/ WINGS							
	SANITARY SEWER PIPE > 12"				STAKE							
	ELECTRIC SERVICE				HUB							
	FIBER OPTIC SERVICE				PIN W/ CAP							
	TELEPHONE SERVICE				IRON PIPE							
	COMMUNICATIONS SERVICE				IRON PIN							
	IRRIGATION PIPE				CROSS CUT							
	WATER SERVICE				DISK							
	WATER SHUT-OFF				STONE							
	WATER METER				REBAR							
	WATER VALVE				BASELINE							
	WATER HYDRANT				CENTERLINE							
	WELL				EASEMENT							
	YARD HYDRANT				RIGHT-OF-WAY							
	METER PIT				PROPERTY BOUNDARY							
	GAS SHUT-OFF				ADJACENT PROPERTY BOUNDARY							
	GAS METER				RAILROAD TRACKS							
	GAS VALVE				STATE BOUNDARY							
	GAS LINE MARKER				MUNICIPAL / COUNTY BOUNDARY							
	CLEANOUT											
	SEWER VENT											
	INLET TYPE A											
	INLET TYPE B											
	INLET TYPE E											
	AREA DRAIN											
	MANHOLES											
	IRRIGATION CONTROL VALVE											
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												
GUY ANCHOR												
ELEC. OUTLET												
LIGHTS												
VENT												
VENT PIPE												



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**LEGEND**

SOUTH JERSEY PORT CORPORATION  
 REPLACEMENT OF SECURITY PERIMETER FENCE  
 BALZANO MARINE TERMINAL  
 CITY OF CAMDEN  
 CAMDEN COUNTY  
 NEW JERSEY

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ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
001	REMOVAL OF VEGETATION	1	LS	SEE PLAN NOTES FOR LOCATION
002	6' ORNAMENTAL ALUMINUM FENCE	175	LF	
003	8' HIGH CHAIN LINK FENCE WITH BARBED WIRE TOP	1450	LF	
004	10' HIGH CHAIN LINK FENCE WITH BARBED WIRE TOP AND PRIVACY SLATS	1000	LF	
005	8' HIGH BI-FOLD GATE	1	EA	G4
006	8' HIGH RAIL GATE	1	EA	G6
007	10' HIGH RAIL GATE WITH BARBED WIRE TOP AND PRIVACY SLATS	1	EA	G1
008	8' HIGH DOUBLE SWING GATE	2	EA	G5, G7
009	8' HIGH SINGLE SWING GATE	1	EA	G8
010	10' HIGH DOUBLE SWING GATE WITH BARBED WIRE TOP AND PRIVACY SLATS	2	EA	G2, G3

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL PAVED AND CONCRETE AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- ALL GRASSED OR WOODED AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.
- APPROXIMATE DEPTH OF ALL WATER MAINS ARE ± 4 FEET.
- APPROXIMATE DEPTH OF ALL GAS MAINS ARE ± 3 FEET.
- ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.
- FENCING TO COMPLY WITH UNITED FACILITIES CRITERIA (UFC) 4-022-03, SECURITY FENCES AND GATES.
- GATE IDENTIFICATION PLACARDS AND ALL FENCE SIGNS SHALL BE REMOVED PRIOR TO CONSTRUCTION AND PRESERVED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL REPLACE ALL GATE IDENTIFICATION PLACARDS AND FENCE SIGNS UPON COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL RESTORE ALL GATE ALARMS AND OTHER FENCE SECURITY DEVICES TO FULL WORKING ORDER UPON COMPLETION OF CONSTRUCTION.

CONSTRUCTION STAGING REQUIREMENTS:

OPTION A:

- SECURITY FENCE REPLACEMENT SHALL BE LIMITED TO ONE (1), 400' (FEET) LENGTH OF FENCE MAXIMUM AT A TIME.
- WHEN FENCE SECTIONS ARE REMOVED, A PORT SECURITY GUARD SHALL BE POSTED AT THAT LOCATION FOR THE DURATION OF THE WORK AND/OR UNTIL FENCE SECTION HAS BEEN REPLACED AND THE SECURITY PERIMETER FENCE IS DEEMED SECURE.
- THE INTENT OF THIS PROCEDURE IS TO ENSURE THAT NO SECTION OF THE FENCE IS REMOVED BEYOND THAT WHICH CANNOT BE FULLY REPLACED DURING ONE WORK DAY.
- AT THE END OF EACH WORK DAY, THE PORT PERIMETER SECURITY FENCING SHALL BE FULLY INTACT AND SECURE IN ACCORDANCE WITH USCG REQUIREMENTS.

OPTION B:

- SHOULD THE CONTRACTOR ELECT TO USE TEMPORARY FENCING/BARRIERS TO ALLOW FOR MORE THAN 400' (FEET) OF FENCE REMOVAL AT A TIME, THE FOLLOWING WILL BE REQUIRED: TEMPORARY FENCING LAYOUT, MATERIALS AND LENGTH OF FENCE REMOVAL SUBJECT TO ENGINEER APPROVAL.
- TEMPORARY FENCING SHALL MEET USCG STANDARDS AND REQUIREMENTS.
- POSTS FOR TEMPORARY FENCING SHALL BE ADEQUATELY ANCHORED INTO THE GROUND. FENCE POST STANDS ON GRADE ARE NOT ACCEPTABLE.
- AN APPROVED TEMPORARY FENCING SYSTEM SHALL BE INSTALLED SUCH THAT IT REMAINS IN PLACE AT ALL TIMES AND THE PORT REMAINS SECURE. ANY OPENINGS IN THE SECURITY PERIMETER, HOWEVER TEMPORARY, SHALL BE APPROVED BY THE ENGINEER AND SHALL HAVE A PORT SECURITY GUARD POSTED FOR THE DURATION OF THE OPENING.

**ESTIMATE OF QUANTITIES**

SOUTH JERSEY PORT CORPORATION  
 REPLACEMENT OF SECURITY PERIMETER FENCE  
 BALZANO MARINE TERMINAL  
 CITY OF CAMDEN CAMDEN COUNTY NEW JERSEY

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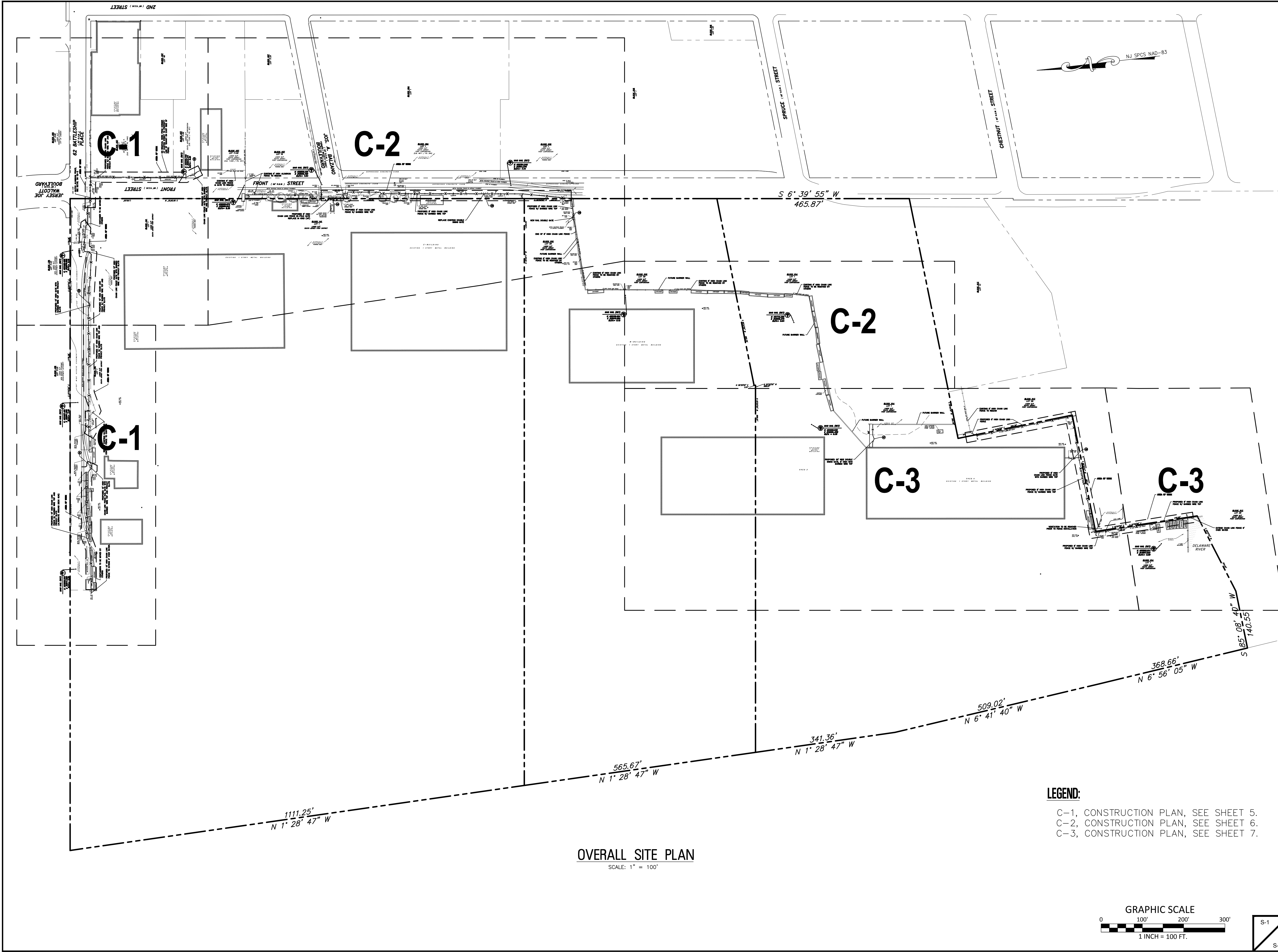
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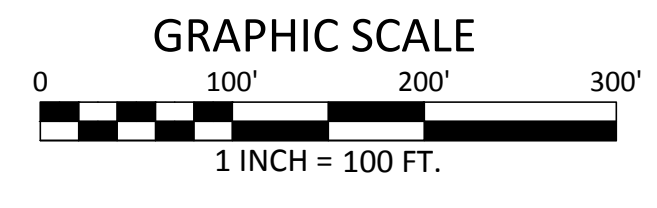
**OVERALL SITE PLAN**  
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**OVERALL SITE PLAN**  
 SCALE: 1" = 100'

**LEGEND:**  
 C-1, CONSTRUCTION PLAN, SEE SHEET 5.  
 C-2, CONSTRUCTION PLAN, SEE SHEET 6.  
 C-3, CONSTRUCTION PLAN, SEE SHEET 7.



S-1  
 S-1



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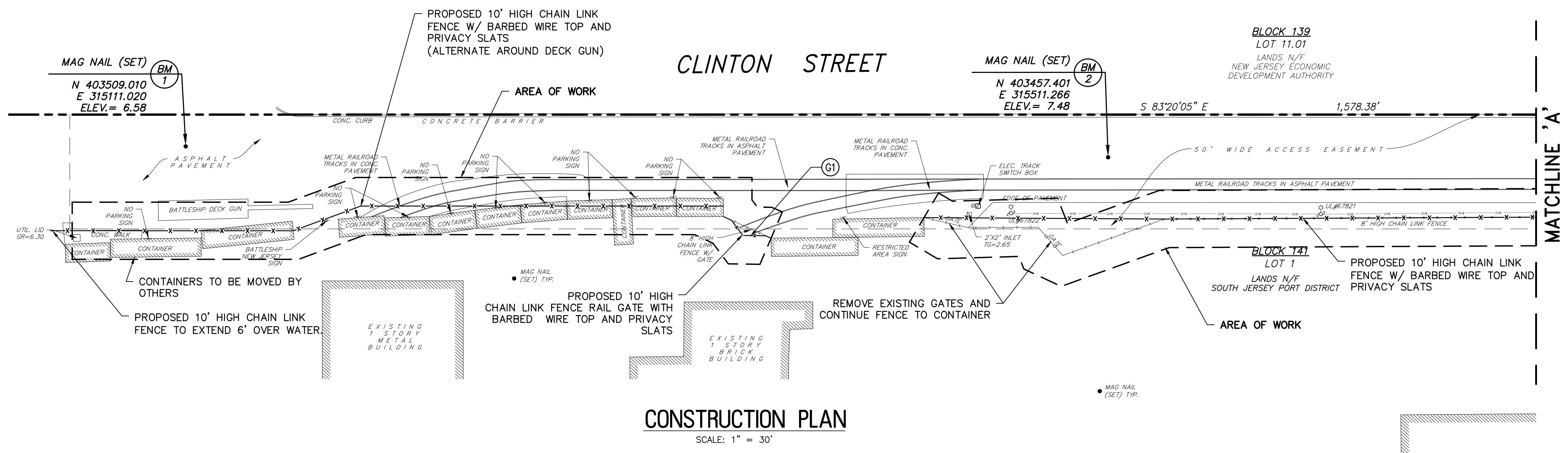
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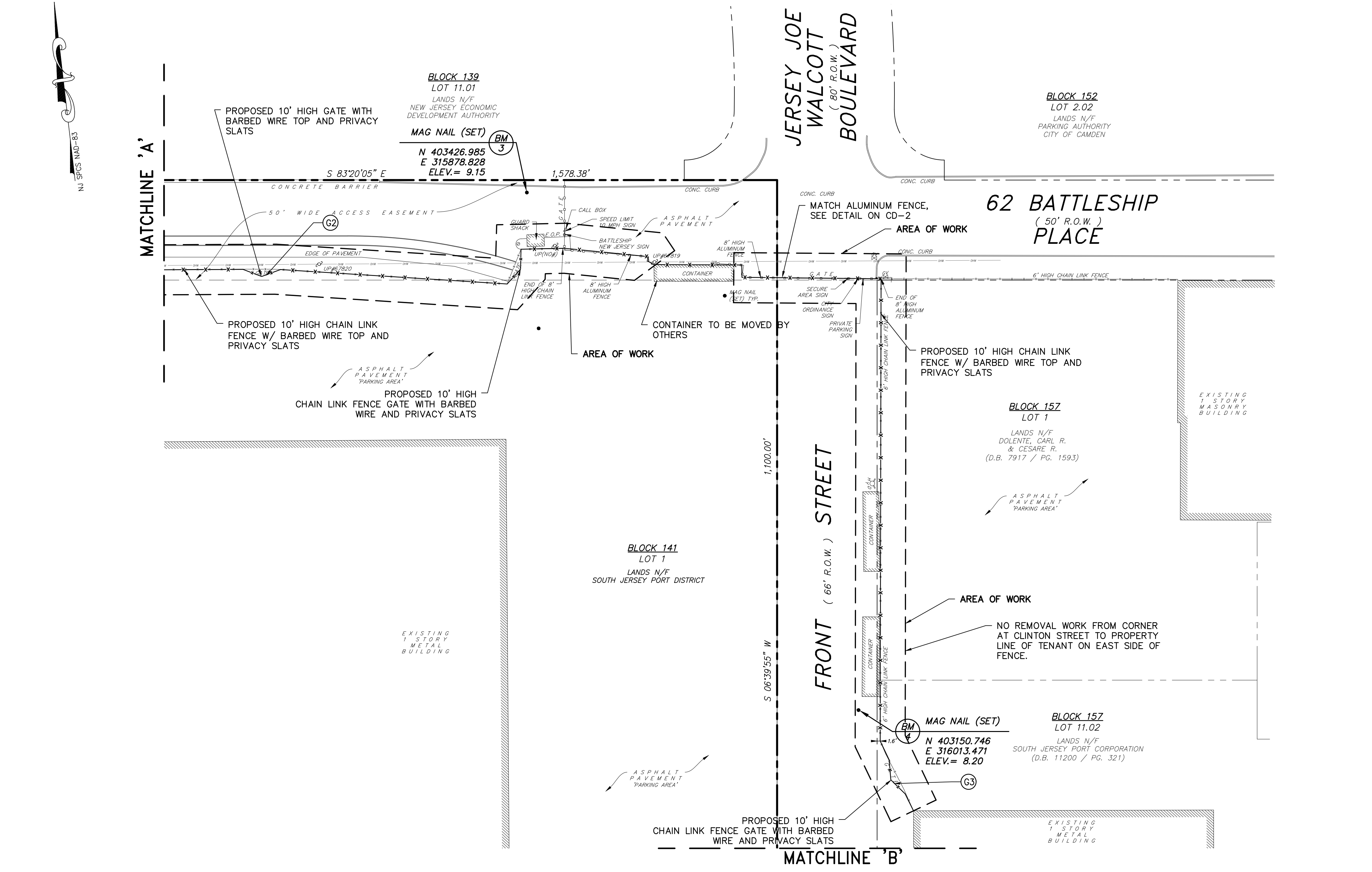
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**CONSTRUCTION PLAN**  
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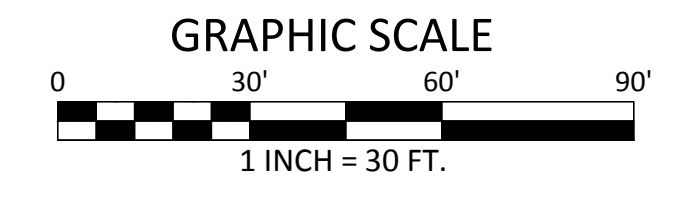
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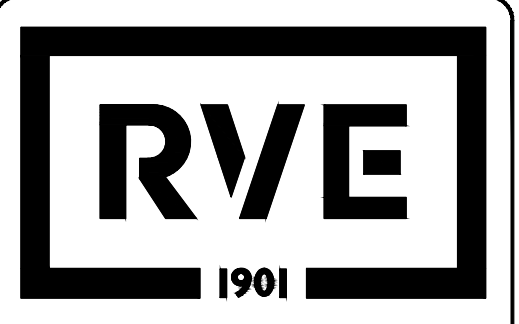
**CONSTRUCTION PLAN**  
 SCALE: 1" = 30'



**CONSTRUCTION PLAN**  
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C-1  
 C-3



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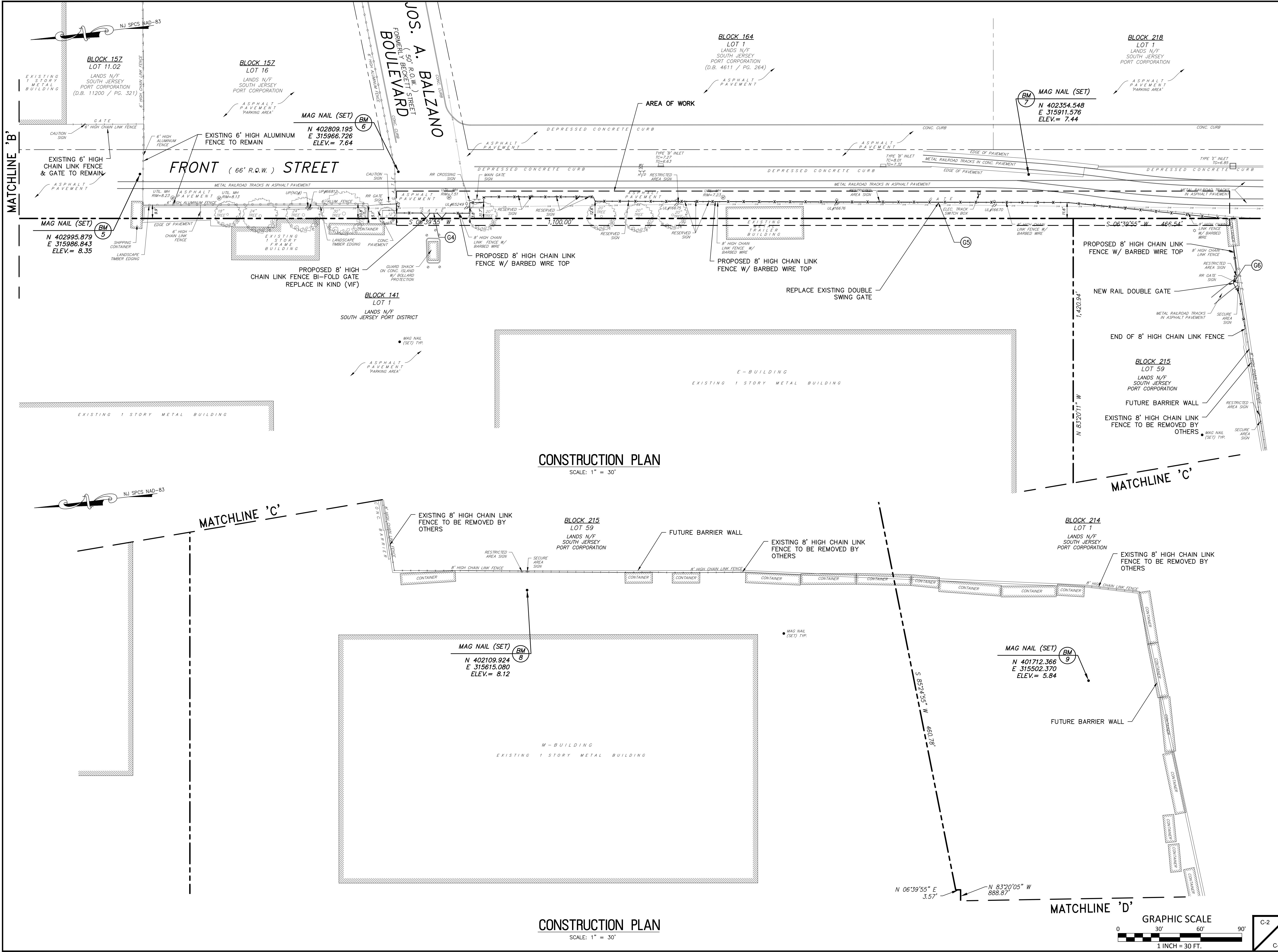
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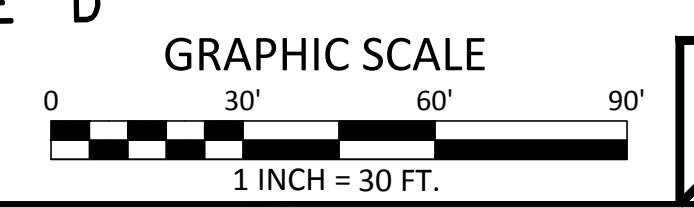
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**CONSTRUCTION PLAN**  
 SCALE: 1" = 30'

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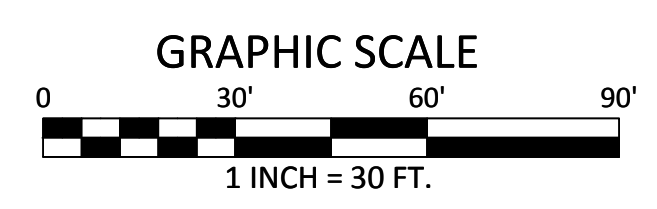
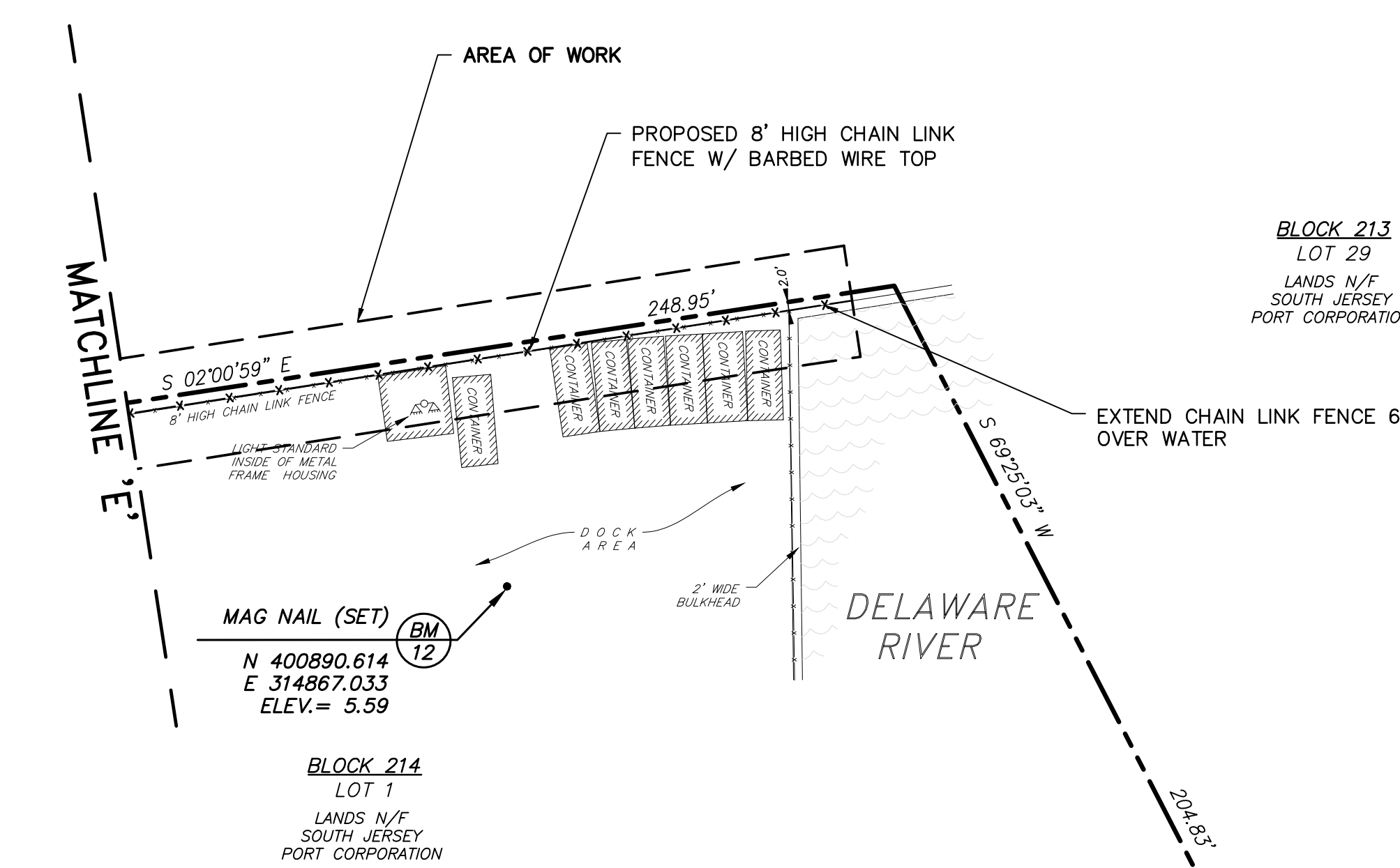
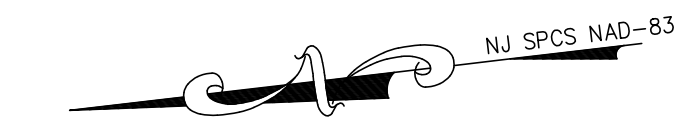
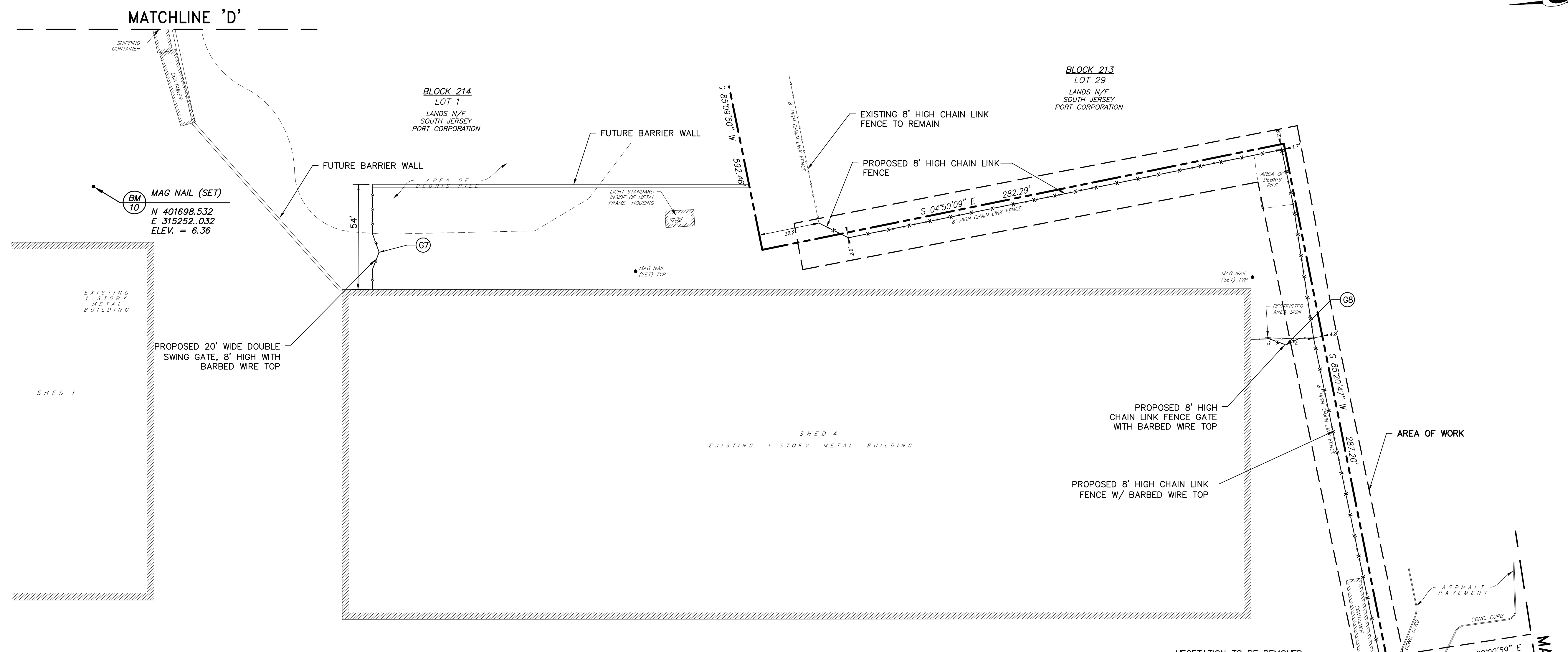
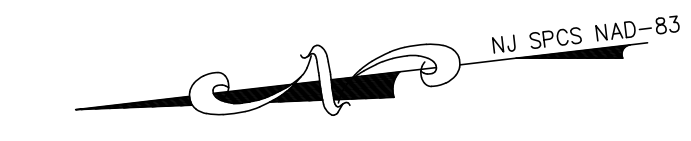
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DATE:	4/20/2021	JOB NO.:	3965X001
SHEET No.:			7 of 11



C-3  
 C-3

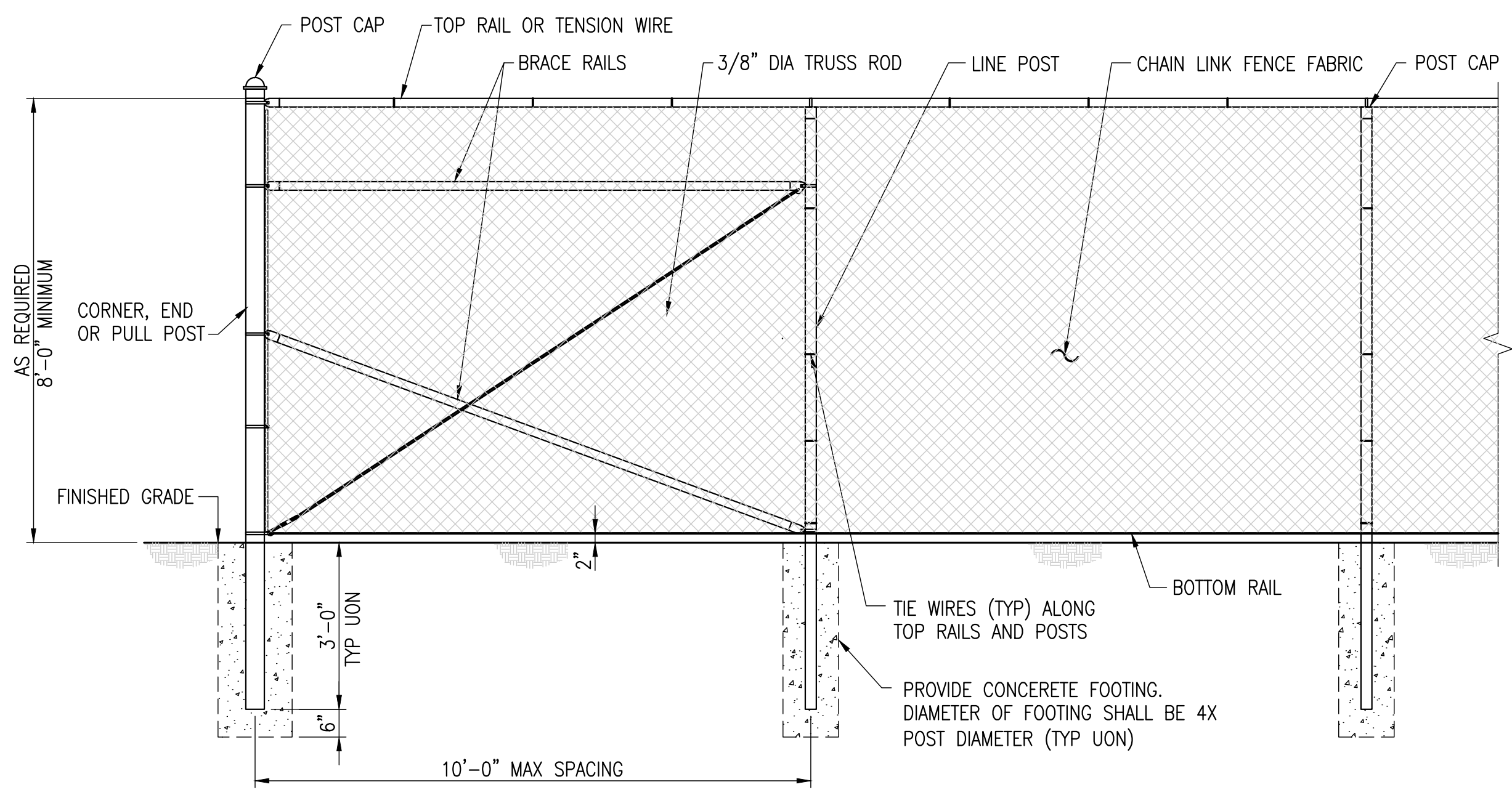


**REMINGTON & VERNICK ENGINEERS**  
 2059 SPRINGDALE ROAD  
 CHERRY HILL, NJ 08003  
 (856) 795-9595, FAX (856) 795-1882  
 WEB SITE ADDRESS : WWW.RVE.COM  
 Certification of Authorization: 24 CA 28003300  
 ~ENGINEERING EXCELLENCE~

DATE: \_\_\_\_\_  
**WILLIAM M. BISIRRI**  
 NJ PROFESSIONAL ENGINEER LIC. No. 51082

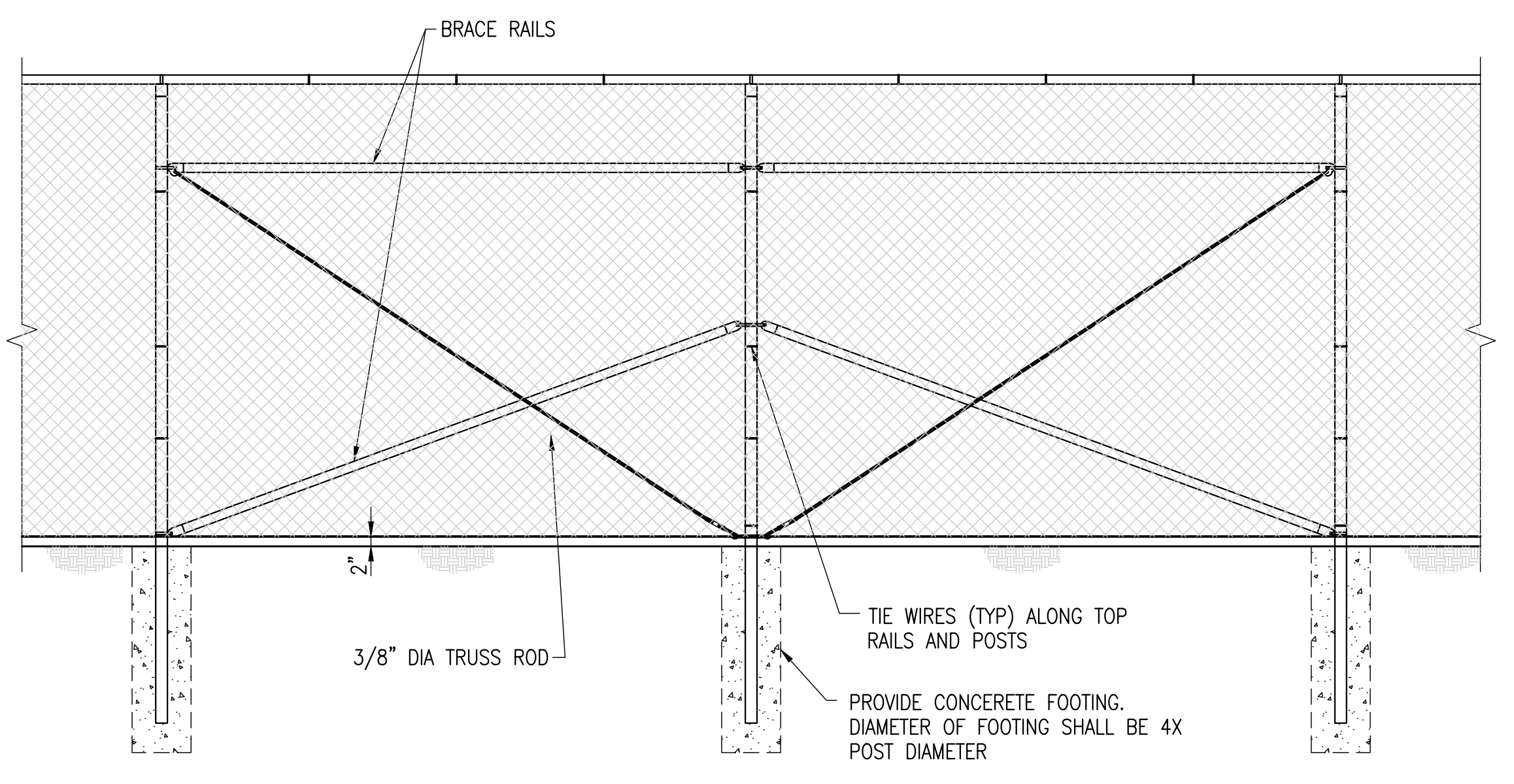
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**TYPICAL FENCE AND CORNER PANEL ELEVATION**

SCALE: 1" = 1'-0"

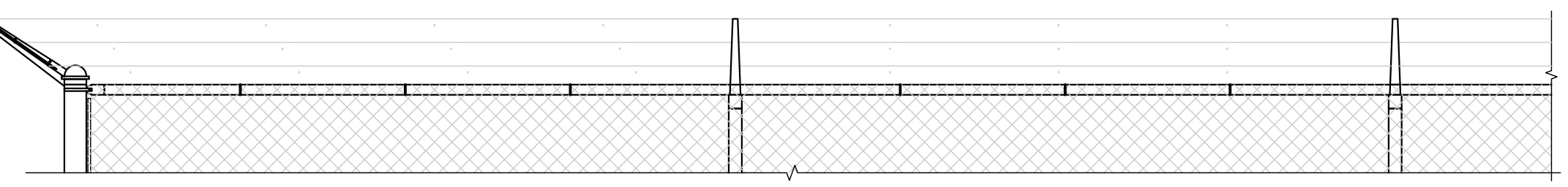


**TYPICAL FENCE AND BRACED PANEL ELEVATION**

SCALE: 1" = 1'-0"

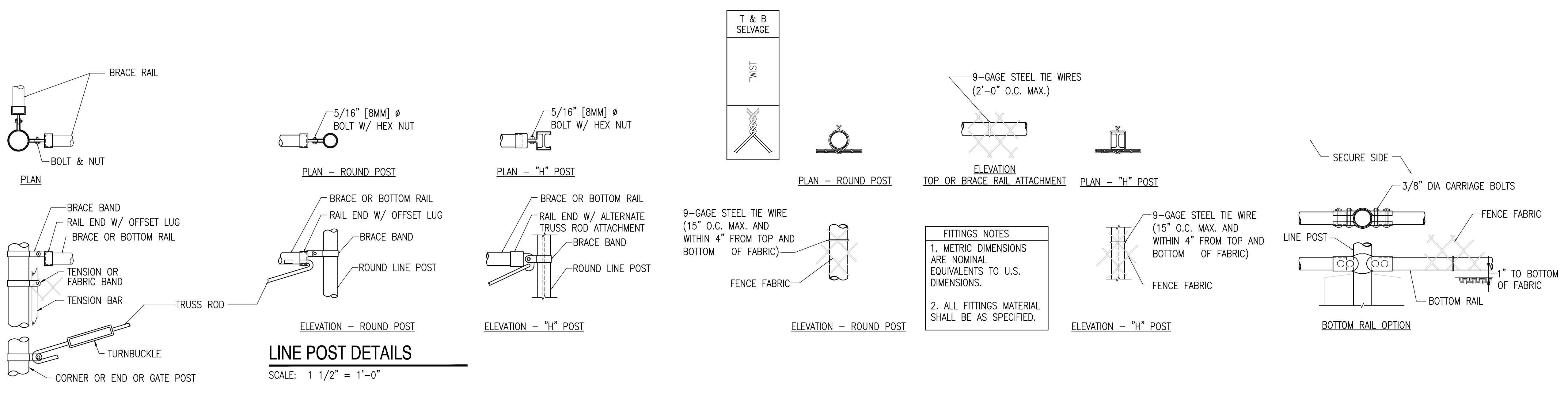
NOTE (1): A BOTTOM RAIL CAN BE ADDED FOR SECURITY, IT SHALL BE INSTALLED APPROX 3" ABOVE GRADE (A MINIMUM OF 2" AND A MAXIMUM OF 4"). HARDWARE SHALL BE WELDED OR SHOT NAILED TO POSTS AND RAILS IN ORDER TO SECURE IN PLACE. ATTACH FABRIC TO NEW BOTTOM RAIL TO ELIMINATE POSSIBILITY OF PEELING UP FABRIC.

NOTE (2): SOME LOCATIONS MAY REQUIRE 8' OF FABRIC.



**TYPICAL 3 STRAND BARBED WIRE AND SINGLE EXTENSION ARM CONFIGURATION**

SCALE: 1" = 1'-0"



**CORNER OR END POSTS**

SCALE: 1 1/2" = 1'-0"

**LINE POST DETAILS**

SCALE: 1 1/2" = 1'-0"

**CHAIN-LINK FENCE AND DETAILS**

**GRAPHIC SCALES**

1" = 1'-0" [0 6" 1' 2']  
 1 1/2" = 1'-0" [0 4" 8" 1'-4"]

CD-1  
 CD-3

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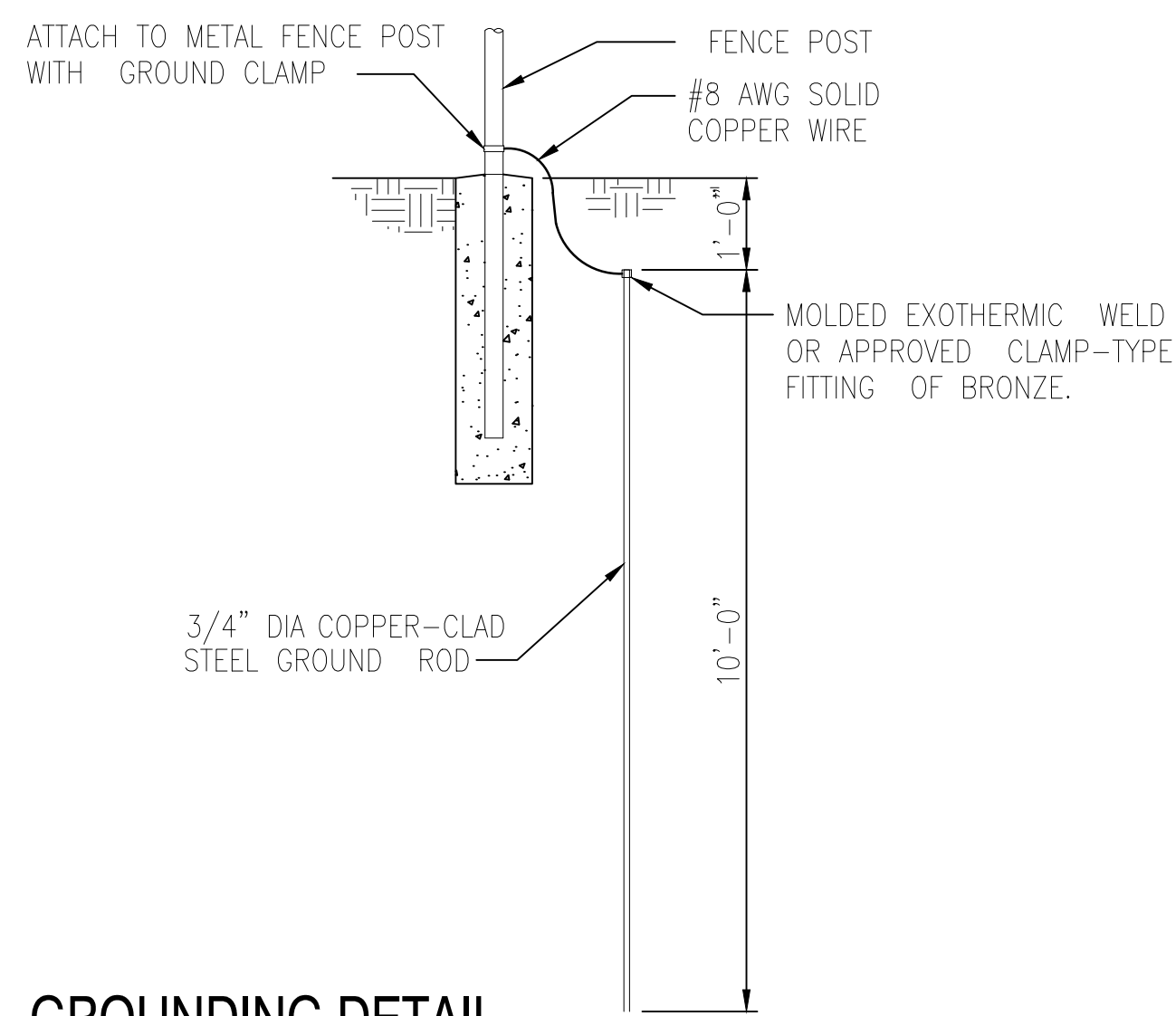
NO.	REVISION	DATE	BY

**CONSTRUCTION DETAILS**

SOUTH JERSEY PORT CORPORATION  
**REPLACEMENT OF SECURITY PERIMETER FENCE**  
 BALZANO MARINE TERMINAL  
 CAMDEN COUNTY  
 CITY OF CAMDEN  
 NEW JERSEY

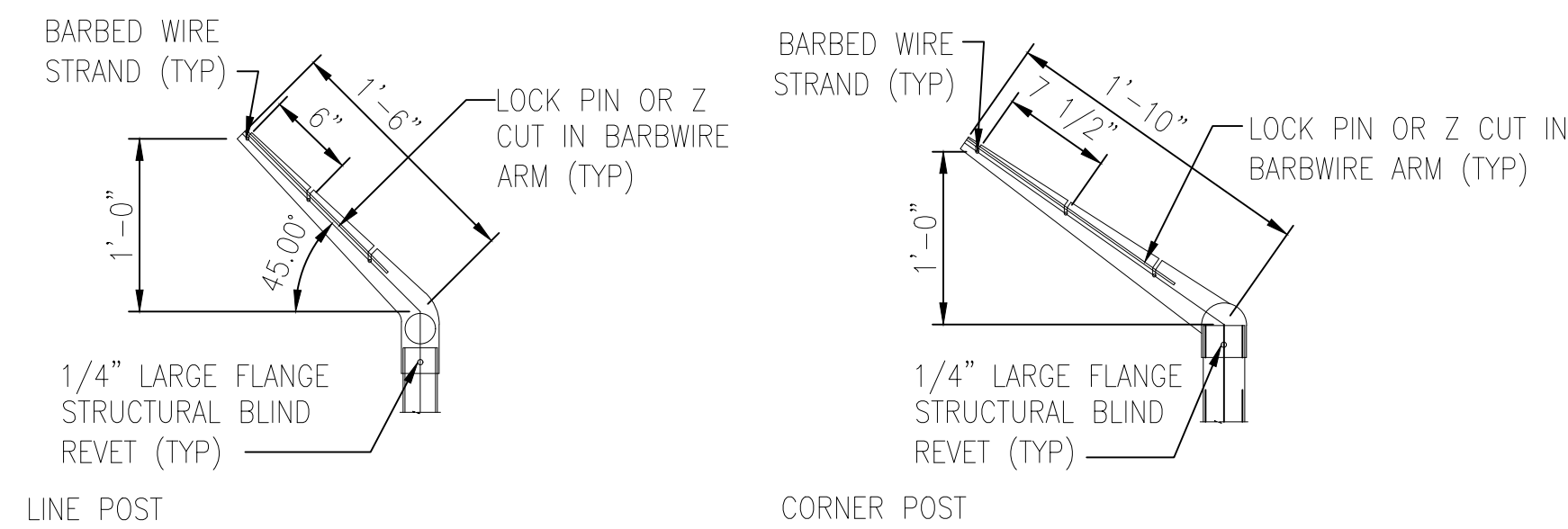
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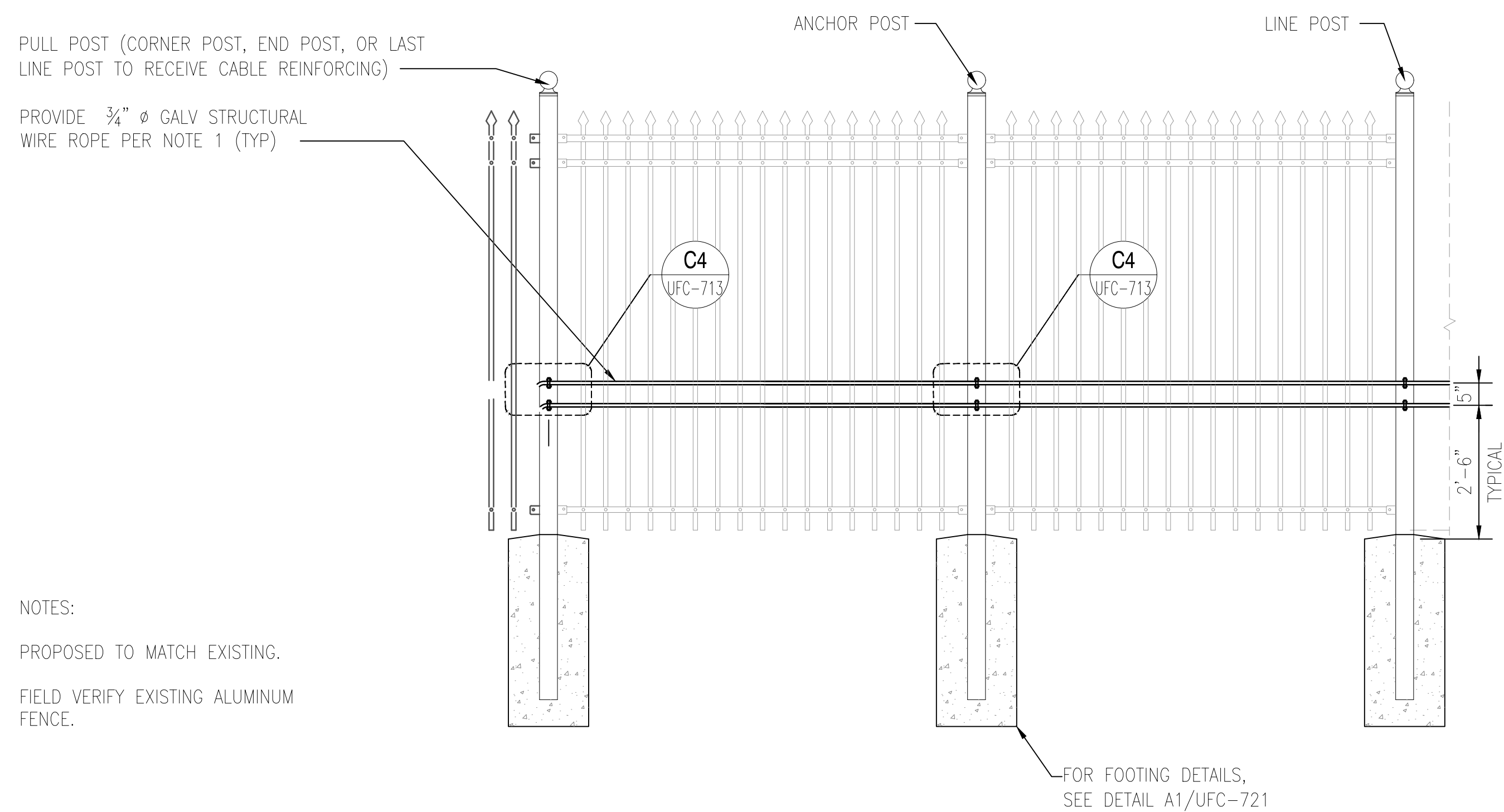
**GROUNDING DETAIL**

NO SCALE



**SINGLE EXTENSION ARM DETAILS**

SCALE: 1" = 1'-0"



NOTES:

PROPOSED TO MATCH EXISTING.  
FIELD VERIFY EXISTING ALUMINUM FENCE.

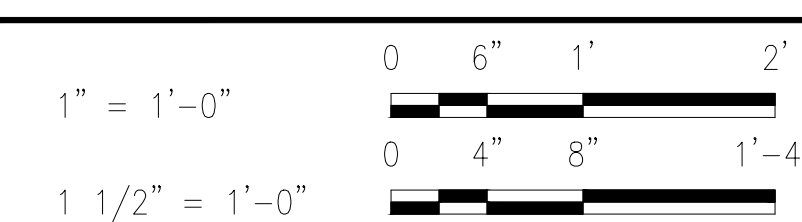
**TYPICAL ELEVATION OF ALUMINUM FENCE**

SCALE: 1/2" = 1'-0"

A1  
UFC-720 | UFC-720

**BARBED WIRE ARRANGEMENT DETAILS  
CHAIN LINK CANTILEVERED GATE DETAILS**

**GRAPHIC SCALES**



**RVE**  
1901  
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NO.	REVISION	DATE	BY

**CONSTRUCTION DETAILS**

SOUTH JERSEY PORT CORPORATION  
**REPLACEMENT OF SECURITY PERIMETER FENCE  
BALZANO MARINE TERMINAL**  
CITY OF CAMDEN CAMDEN COUNTY NEW JERSEY

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4/20/2021	9 of 11		
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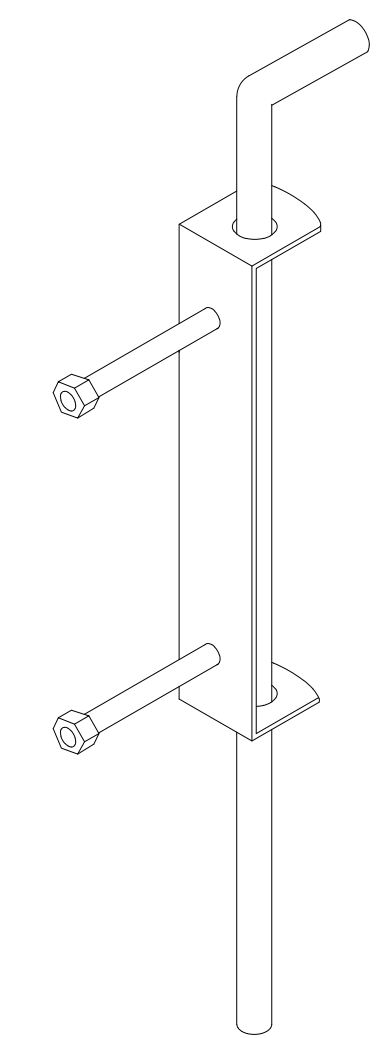
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**CONSTRUCTION DETAILS**  
 SOUTH JERSEY PORT CORPORATION  
 REPLACEMENT OF SECURITY PERIMETER FENCE  
 BALZANO MARINE TERMINAL  
 CITY OF CAMDEN  
 CAMDEN COUNTY  
 NEW JERSEY

DRAWN BY	DESIGN BY	CHECKED BY	SCALE
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JOB No.	3965X001		10 of 11

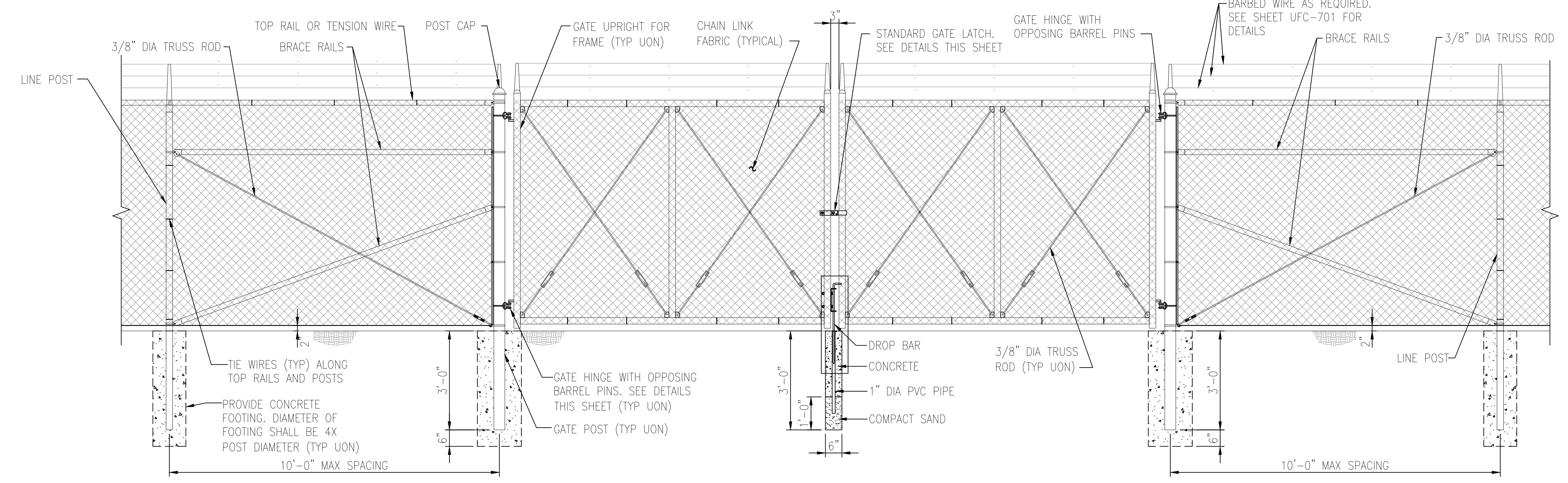
NOTE: PROVIDE ONE DROP BAR FOR EACH LEAF (TYP). ASSOCIATED GALV SLEEVES TO BE INSTALLED FLUSH WILL GRADE AT FULLY OPEN AND CLOSED POSITIONS. CONTRACTOR SHALL PROVIDE 6" LAYER OF #10 STONE BELOW BOTTOM OF SLEEVE TO ALLOW FOR DRAINAGE.



**DETAIL: DROP BAR**  
 NOT TO SCALE

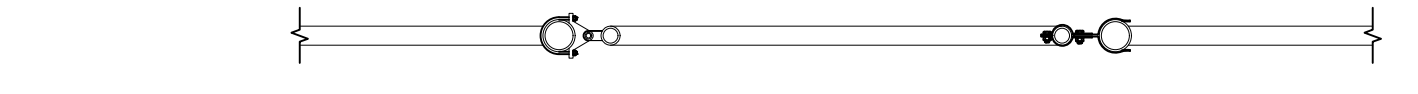
**PLAN - DOUBLE SWING GATE**

SCALE: 1" = 1'-0"



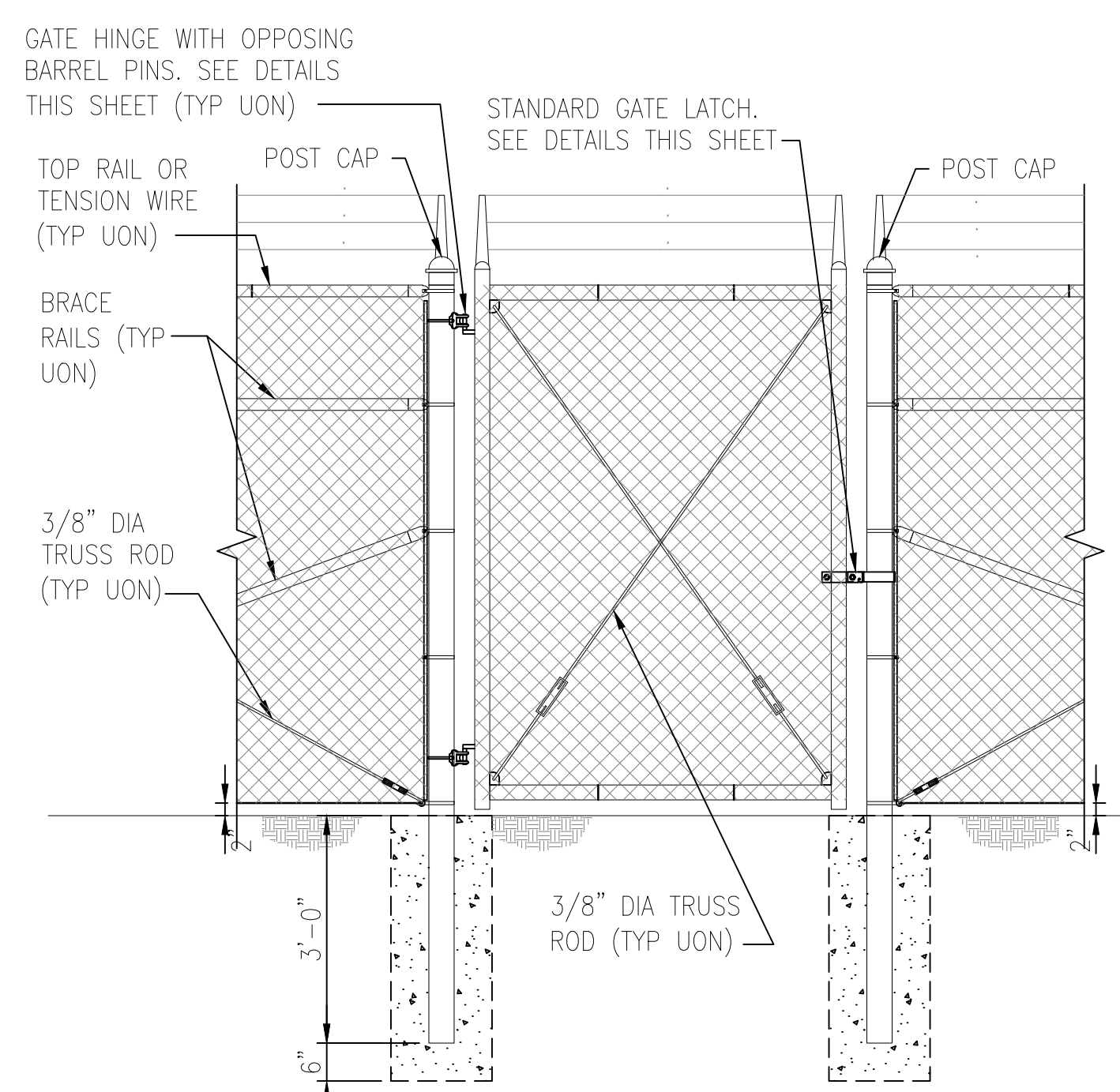
**TYPICAL 20' WIDE DOUBLE SWING GATE ELEVATION, G2, G3, G5, G7**

SCALE: 1/2" = 1'-0"



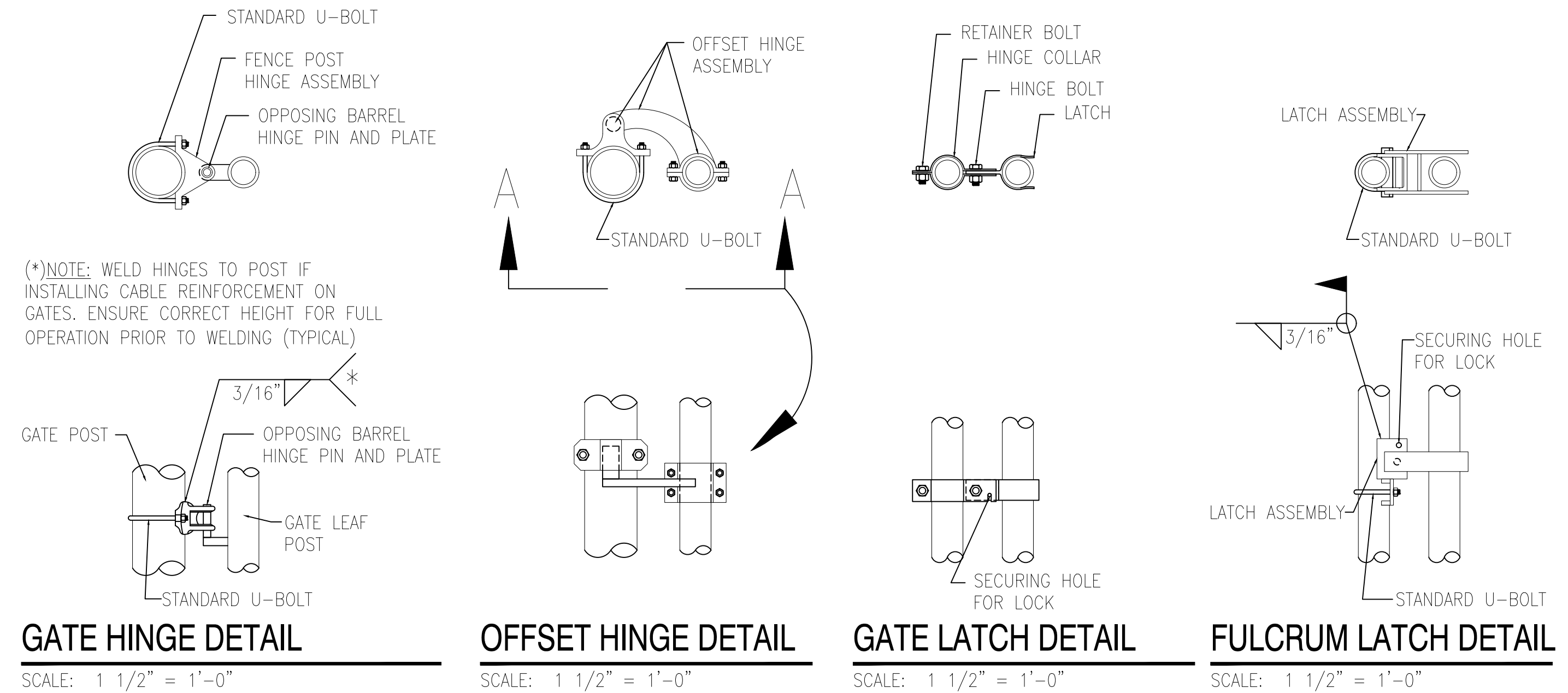
**PLAN SINGLE SWING GATE**

SCALE: 1" = 1'-0"



**5'-0" WIDE TYPICAL FENCE SINGLE SWING GATE ELEVATION, G8**

SCALE: 1/2" = 1'-0"



**GATE HINGE DETAIL** SCALE: 1 1/2" = 1'-0"  
**OFFSET HINGE DETAIL** SCALE: 1 1/2" = 1'-0"  
**GATE LATCH DETAIL** SCALE: 1 1/2" = 1'-0"  
**FULCRUM LATCH DETAIL** SCALE: 1 1/2" = 1'-0"

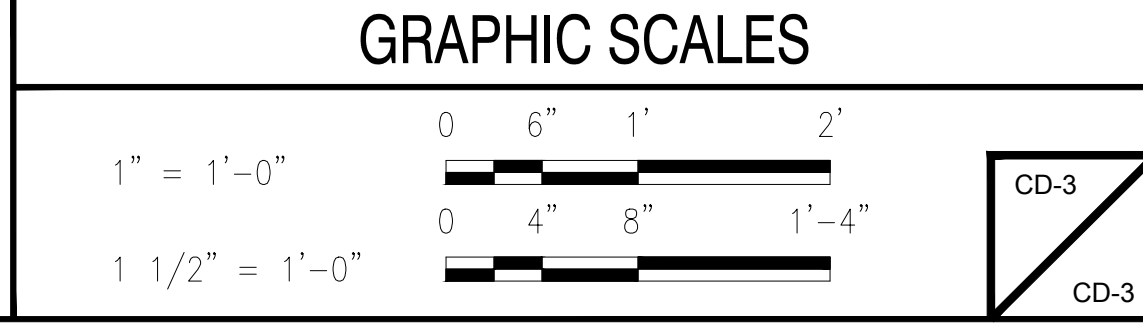
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
8'-0" [2438MM]	7'-10" [2388MM]	6'-8 1/2" [2045MM]

SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQUARE & ROUND SIZES	POST TO UPRIGHT
3'-0" [914MM]	2.5" [63.5MM] SQ x 3/16" TH OR 2.875" [73MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
THROUGH		
6'-0" [1829MM]	4" [102MM] SQ x 3/16" TH OR 4" [102MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
THROUGH		
12'-0" [3657MM]	6" [153MM] SQ x 3/16" TH OR 6.625" [168MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
THROUGH		
19'-0" [5790MM]	8" [203MM] SQ x 1/4" TH OR 8.625" [219MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
THROUGH		
23'-0" [7010MM]		

GATE POSTS & FOUNDATIONS: GATE POST SIZE AND ASSOCIATED FOOTING DIAMETER TO BE DETERMINED BY MANUFACTURER, BASED ON LEAF WEIGHT & DIMENSION, BUT NOT LESS THAN DIAMETER SHOWN ON THESE DRAWINGS. MINIMUM FOOTING DIAMETERS (TO BE FILLED W/4000 PSI CONC): 40" Ø FOR 8" POST; 36" Ø FOR 6" POST; 24" Ø FOR 4" POST; OTHER SIZES TO BE DESIGNED BY MFR OR KTR. NO FOOTING WIDTH SHALL BE LESS THAN 4(X) THE POST WIDTH.

NOTE: IF GATE HINGES ARE NOT OPPOSING (AS SHOWN ABOVE) OR LEAF IS NOT LOCKED MECHANICALLY TO THE HINGES, WELD AN ANGLE, PLATE, OR BLOCK ABOVE HINGE TO RESTRICT LEAF FROM BEING REMOVED OR LIFTED OFF. RESTRICTION SHALL NOT HINDER OPERATION OF GATE.

**BARBED WIRE ARRANGEMENT DETAILS**



CD-3

DATE:  
**WILLIAM M. BISIRRI**  
NJ PROFESSIONAL ENGINEER LIC. No. 51082

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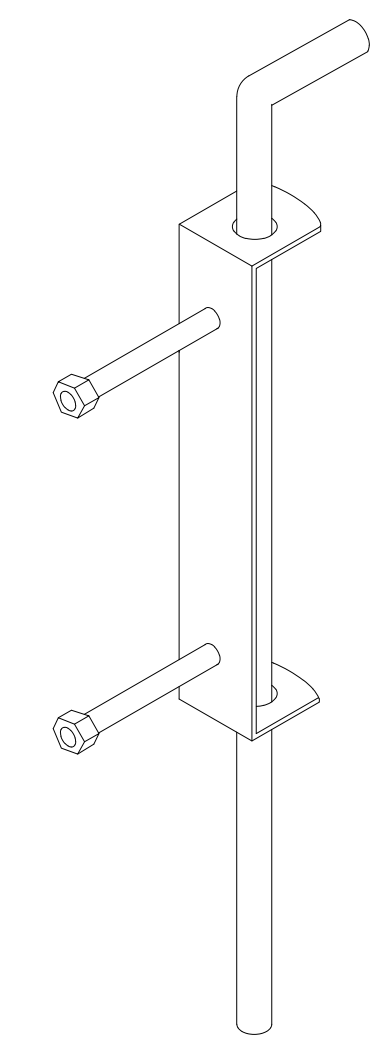
NO.	REVISION	DATE	BY

**CONSTRUCTION DETAILS**

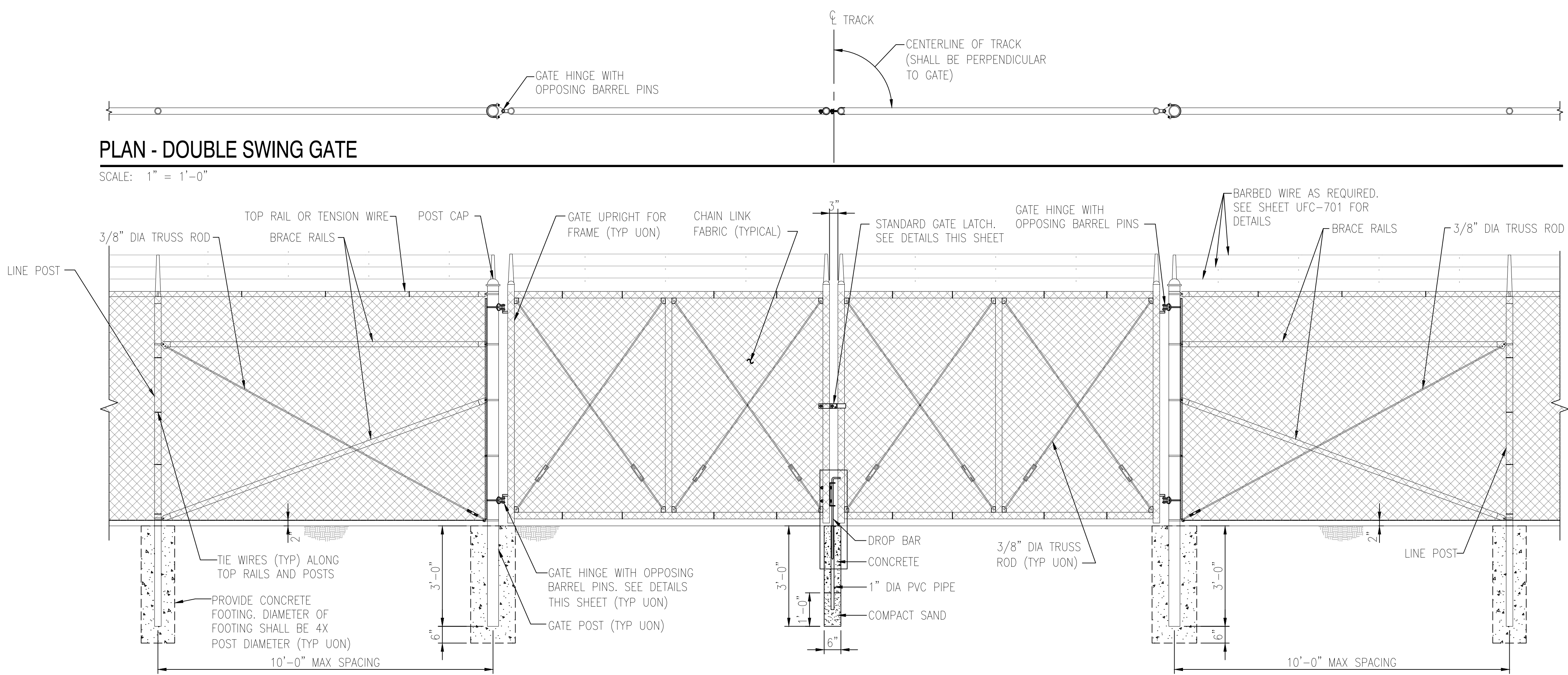
SOUTH JERSEY PORT CORPORATION  
REPLACEMENT OF SECURITY PERIMETER FENCE  
BALZANO MARINE TERMINAL  
CITY OF CAMDEN  
CAMDEN COUNTY  
NEW JERSEY

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11 of 11			

NOTE: PROVIDE ONE DROP BAR FOR EACH LEAF (TYP). ASSOCIATED GALV SLEEVES TO BE INSTALLED FLUSH WILL GRADE AT FULLY OPEN AND CLOSED POSITIONS. CONTRACTOR SHALL PROVIDE 6" LAYER OF #10 STONE BELOW BOTTOM OF SLEEVE TO ALLOW FOR DRAINAGE.



**DETAIL: DROP BAR**  
NOT TO SCALE



**PLAN - DOUBLE SWING GATE**  
SCALE: 1" = 1'-0"

**TYPICAL 21' WIDE DOUBLE SWING GATE ELEVATION (RAIL GATE), G1, G6**

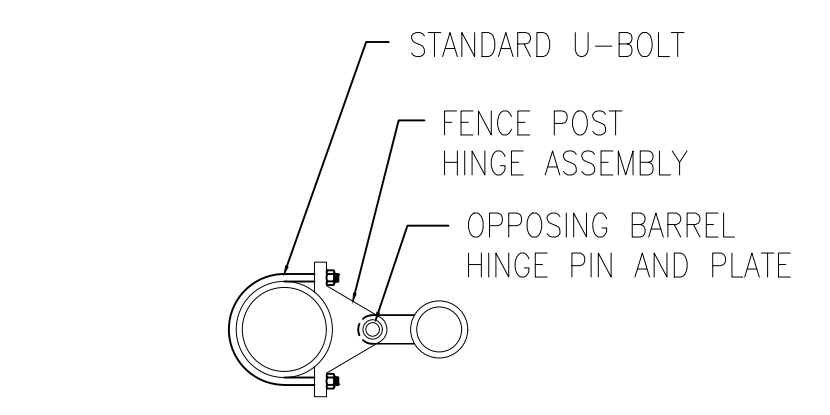
SCALE: 1/2" = 1'-0"

SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
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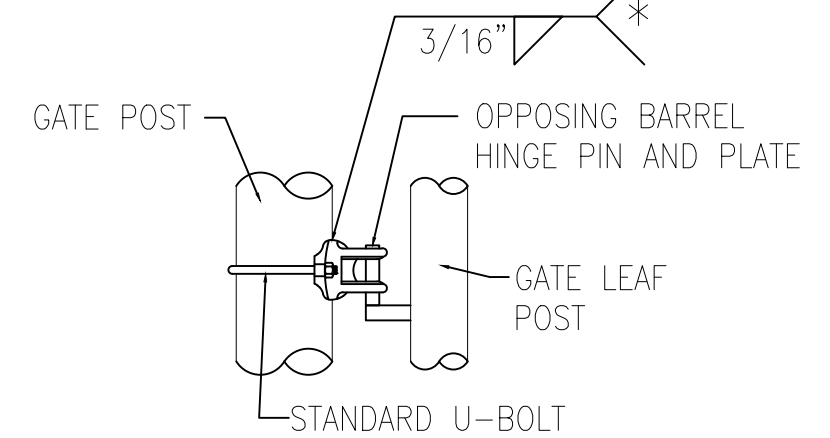
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQUARE & ROUND SIZES	POST TO UPRIGHT
3'-0" [914MM]	2.5" [63.5MM] SQ x 3/16" TH OR 2.875" [73MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
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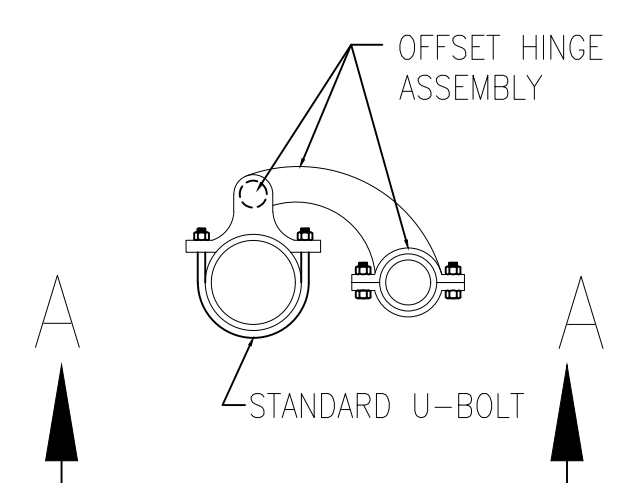
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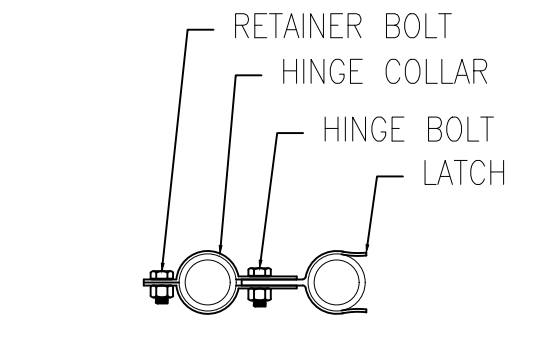
(\*NOTE: WELD HINGES TO POST IF INSTALLING CABLE REINFORCEMENT ON GATES. ENSURE CORRECT HEIGHT FOR FULL OPERATION PRIOR TO WELDING (TYPICAL))



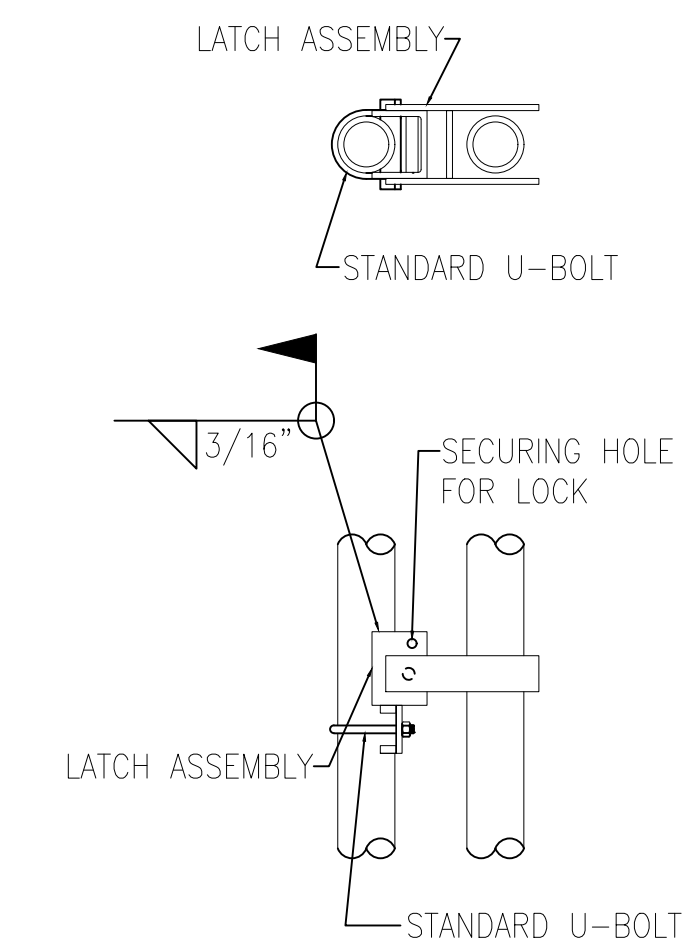
**GATE HINGE DETAIL**  
SCALE: 1 1/2" = 1'-0"



**OFFSET HINGE DETAIL**  
SCALE: 1 1/2" = 1'-0"

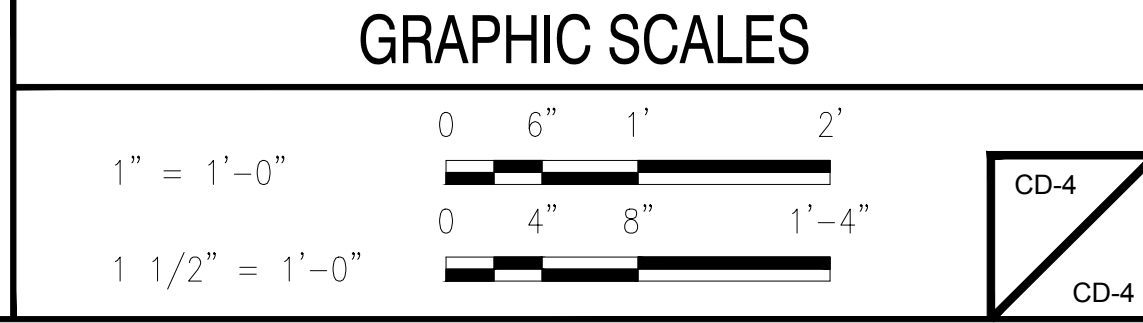


**GATE LATCH DETAIL**  
SCALE: 1 1/2" = 1'-0"



**FULCRUM LATCH DETAIL**  
SCALE: 1 1/2" = 1'-0"

**BARBED WIRE ARRANGEMENT DETAILS**



CD-4