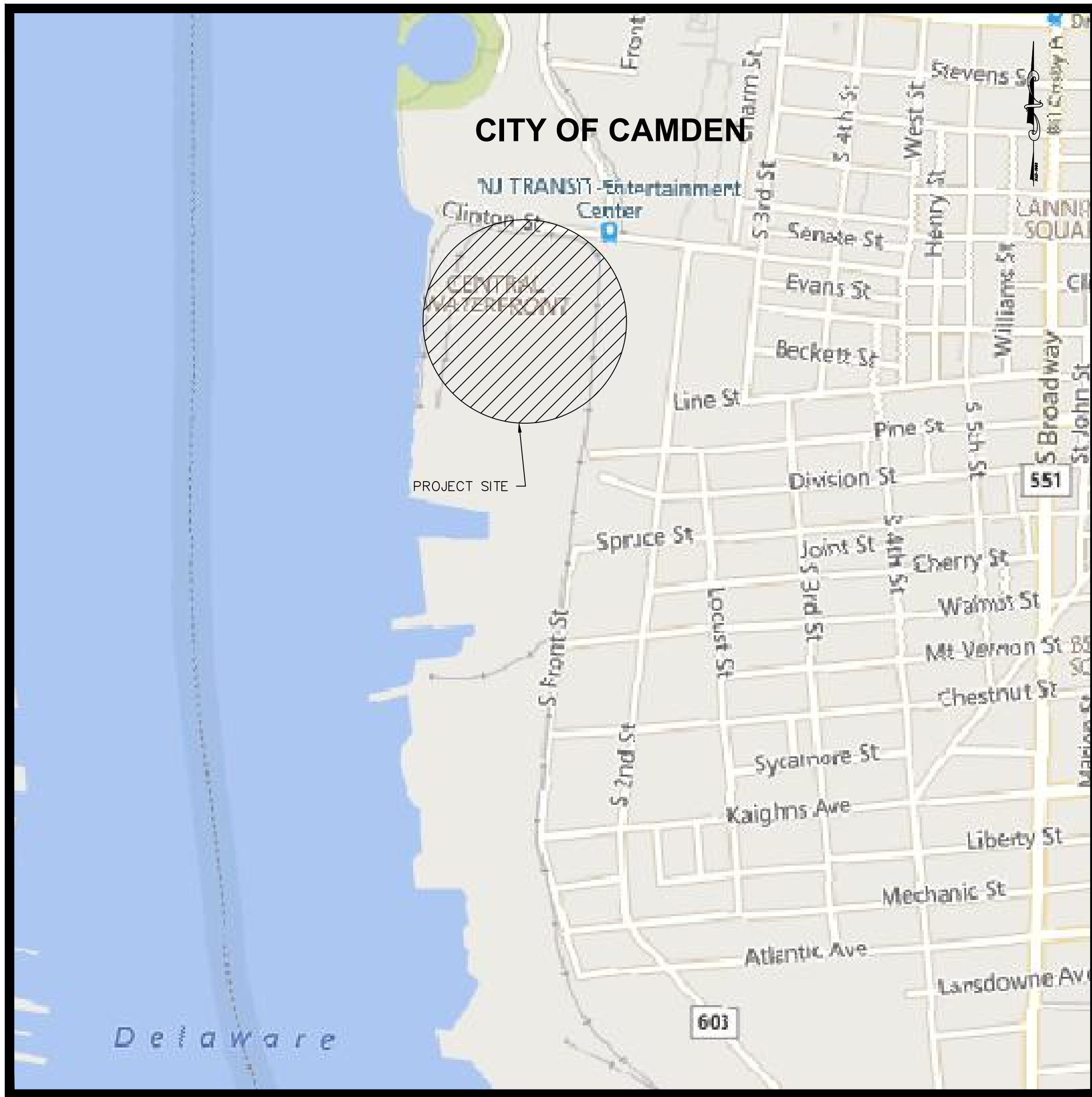


REPLACEMENT OF SECURITY PERIMETER FENCE BALZANO MARINE TERMINAL



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

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



SHEET INDEX	
SHEET #	DESCRIPTION
1	TITLE
2	LEGEND
3	ESTIMATE & GENERAL NOTES
4	OVERALL SITE PLAN
5 - 7	CONSTRUCTION PLAN
8 - 11	CONSTRUCTION DETAILS

FUNDING SOURCE:
SJPC

PROJECT LOCATION MAP

SCALE: 1" = 1000'

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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NO.	REVISION	DATE	BY

TITLE SHEET
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:
CFC	DHS	WMB	AS NOTED
DATE:	SHEET No.:		
4/20/2021	1 of 11		
JOB No.:	3965X001		

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STANDARD LEGEND

NOTE: ALL SYMBOLS MAY NOT BE USED

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: _____
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ITEM	DESCRIPTION	EXISTING	PROPOSED
	OVERHEAD WIRE	— <i>DHW</i> —	
	SANITARY FORCE MAIN PIPE	— <i>FM</i> —	— FM —
	STORM SEWER PIPE ≤ 12"	— <i>D</i> —	— D —
	STORM SEWER PIPE > 12"	== <i>(SIZE & TYPE)</i> ==	== (SIZE & TYPE) ==
	GAS SERVICE	— <i>G</i> —	— G —
	SANITARY SEWER PIPE ≤ 12"	— <i>S</i> —	— S —
	SANITARY SEWER PIPE > 12"	== <i>(SIZE & TYPE)</i> ==	== (SIZE & TYPE) ==
	ELECTRIC SERVICE	— <i>E</i> —	— E —
	FIBER OPTIC SERVICE	— <i>FO</i> —	— FO —
	TELEPHONE SERVICE	— <i>T</i> —	— T —
	COMMUNICATIONS SERVICE	— <i>C</i> —	— C —
	IRRIGATION PIPE	— <i>IRR</i> —	— IRR —
	WATER SERVICE	— <i>W</i> —	— W —
	WATER SHUT-OFF	⊕ _W	
	WATER METER	⊕ _M	⊕ _M
	WATER VALVE	⊕ _V	⊕ _V NEW ⊕ _V RESET
	WATER HYDRANT	⊕ _{HD}	⊕ _{HD} NEW ⊕ _{HD} RESET
	WELL	⊕	●
	YARD HYDRANT	⊕	
	METER PIT	⊕	
	GAS SHUT-OFF	⊕ _G	
	GAS METER	⊕ _M	
	GAS VALVE	⊕ _V	⊕ _V NEW ⊕ _V 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	⊕ <i>SANITARY</i> ⊕ <i>DRAINAGE</i> ⊕ <i>TELEPHONE</i> ⊕ <i>WATER</i> ⊕ <i>CATV</i> ⊕ <i>UNDERDRAIN</i> ⊕ <i>ELECTRIC</i> ⊕ <i>GAS</i> ⊕ <i>UNKNOWN</i>	⊕ 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	⊕ <i>STANDARD</i> ⊕ <i>W/ LIGHT</i> ⊕ <i>W/ SOLAR</i>	⊕
	GUY ANCHOR	⊕	●
	ELEC. OUTLET	⊕	●
	LIGHTS	⊕ <i>POLE</i> ⊕ <i>AREA</i>	●
	VENT	⊕	
	VENT PIPE	⊕	

ITEM	DESCRIPTION	EXISTING	PROPOSED
	CROWS FOOT	∩	
	AERIAL TARGET		+
	CONCRETE MONUMENT	□	■ (SET)
	PK / MAG NAIL	○	● (SET)
	DRILL HOLE	○	
	SPIKE	○	
	DRILL HOLE W/ WINGS	—○—	
	STAKE	△	▲ (SET)
	HUB	△	△ (SET)
	PIN W/ CAP	●	● (SET)
	IRON PIPE	●	● (SET)
	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	---	---
SURVEY	BORING LOCATION	⊕ <i>B-#</i>	⊕ <i>B-#</i>
	MONITORING WELL LOCATION	⊕ <i>MW-#</i>	⊕ <i>MW-#</i>
ENVIRONMENTAL	TEST PIT LOCATION	⊕ <i>TP-#</i>	⊕ <i>TP-#</i>
	FRESHWATER WETLAND FLAG	⊕ <i>FW-#</i>	
	FRESHWATER WETLAND LINE	---	---
	FRESHWATER WETLAND BUFFER	---	---
	EDGE OF WATER	---	---
	STREAM CENTERLINE	---	---
LANDSCAPING	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 —	
GRADING	TOP OF BANK / DITCH	— 70 —	— 70 —
	BOTTOM OF BANK / DITCH	— 80 —	— 80 —
	CONTOUR (MAJOR)	— 5 —	— 5 —
	CONTOUR (MINOR)	— 3 —	— 3 —
	FLOW LINE / SWALE	— ∇ —	— ∇ —
	TIME OF CONCENTRATION	— ∇ —	— ∇ —
	SPOT GRADE	x 3.48	x 3.48
	ROADWAY GRADE	725.45 GL4.95	TC5.45 GL4.95
	DRAINAGE FLOW	→	→

ITEM	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	⊕ <i>MANHOLE</i> ⊕ <i>BOX</i>		
	RAILROAD CROSSING BEACON	⊕	⊕	
	CALL BOX	⊕	⊕	
	OIL FILL	○	○	
	UNDERGROUND STORAGE TANK LID	⊕	⊕	
	RISER PIPE	⊕	⊕	
	RAISED PAVEMENT MARKER	○	○	
MISC.	BBQ GRILL	⊕		
	WATER FOUNTAIN	⊕		
	KIOSK	⊕		
	AIR CONDITIONER	⊕		
	PARKING METER	⊕		
	FIRE CONTROL VALVE	⊕		
	BARRICADE	—	—	
GENERAL	PHOTO LOCATION		⊕	
	BENCHMARK LOCATION	⊕ <i>BM</i> <i>X</i>		
	TYPICAL SECTION ARROW	—	→ <i>A</i>	
	MATCH LINE	—	—	
	TYPICAL NORTH ARROW	→	→	
ABBREVIATIONS	APR. APRON	E.B., W.B., EASTBOUND, WESTBOUND.	PC POINT OF CURVATURE	S.H.D. STATE HIGHWAY DEPARTMENT
	BL BASELINE	N.B., S.B. NORTHBOUND, SOUTHBOUND	PI POINT OF INFLECTION	SHLD. SHOULDER
	BM BENCH MARK	G GUTTER	PT POINT OF TANGENCY	STY. STORY
	BIT. BITUMINOUS	GR GRATE	PK PARKER KAYLON MASONRY NAIL	T.B.A. TO BE ABANDONED
	BLDG. BUILDING	HW HEADWALL	PROP. PROPOSED	T.B.R. TO BE REMOVED
	CL CENTERLINE	H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE	P.V.C. POLYVINYL CHLORIDE PIPE	TC TOP OF CURB
	CONC. CONCRETE	INV. INVERT	PVC POINT OF VERTICAL CURVATURE	TEL TELEPHONE
	C.I.P. CAST IRON PIPE	IP IRON PIN	PVI POINT OF VERTICAL INTERSECTION	TEMP. TEMPORARY
	CULV. CULVERT	J.B. JUNCTION BOX	PVT POINT OF VERTICAL TANGENCY	TYP. TYPICAL
	C.M.P. CORRUGATED METAL PIPE	L.S.T. LANDSCAPE TIE	R RADIUS	U.D. UNDERDRAIN
	CULV. CULVERT	L.O.M. LIMIT OF MILLING	R.C.P. REINFORCED CONCRETE PIPE	U.P. UTILITY POLE
	D.C. DEPRESSED CURB	L.O.P. LIMIT OF PAVING	R.M.C. RIGID METALLIC CONDUIT	VAR. VARIES
	DH DRILL HOLE	MB MAILBOX	R.O.W. RIGHT OF WAY	VIF VERIFY IN FIELD
	DIA. DIAMETER	MAX. MAXIMUM	R.R. RAILROAD	WM WATER METER
	D.WY. DRIVEWAY	MIN. MINIMUM	RTE. ROUTE	
	D.I.P. DUCTILE IRON PIPE	NO. NUMBER	SAN. SANITARY	
	EL. ELEVATION	N.T.S. NOT TO SCALE	SWK. SIDEWALK	
	EX. EXISTING	PERF. PERFORATED		

UTILITIES

SITE & ROADWORK

MISC.

GENERAL

ABBREVIATIONS

No.	REVISION	DATE	BY/CHK

LEGEND
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:
CFC	DHS	WMB	AS NOTED
DATE:	DATE:		
4/20/2021			
	JOB No.:		
	3965X001		
	SHEET No.:		
	2	of 11	

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	
	10' HIGH CHAIN LINK FENCE WITH BARBED WIRE TOP AND PRIVACY SLATS			
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:

1. 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.
2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. 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.
5. ALL GRASSED OR WOODED AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
6. 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.
7. 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.
8. APPROXIMATE DEPTH OF ALL WATER MAINS ARE ± 4 FEET.
9. APPROXIMATE DEPTH OF ALL GAS MAINS ARE ± 3 FEET.
10. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.
11. FENCING TO COMPLY WITH UNITED FACILITIES CRITERIA (UFC) 4-022-03, SECURITY FENCES AND GATES.
12. GATE IDENTIFICATION PLACARDS AND ALL FENCE SIGNS SHALL BE REMOVED PRIOR TO CONSTRUCTION AND PRESERVED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
13. CONTRACTOR SHALL REPLACE ALL GATE IDENTIFICATION PLACARDS AND FENCE SIGNS UPON COMPLETION OF CONSTRUCTION.
14. CONTRACTOR SHALL RESTORE ALL GATE ALARMS AND OTHER FENCE SECURITY DEVICES TO FULL WORKING ORDER UPON COMPLETION OF CONSTRUCTION.

CONSTRUCTION STAGING REQUIREMENTS:

OPTION A:

1. SECURITY FENCE REPLACEMENT SHALL BE LIMITED TO ONE (1), 400' (FEET) LENGTH OF FENCE MAXIMUM AT A TIME.
2. 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.
3. 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.
4. 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:

1. 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.
2. TEMPORARY FENCING SHALL MEET USCG STANDARDS AND REQUIREMENTS.
3. POSTS FOR TEMPORARY FENCING SHALL BE ADEQUATELY ANCHORED INTO THE GROUND. FENCE POST STANDS ON GRADE ARE NOT ACCEPTABLE.
4. 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.



REMINGTON & VERNICK ENGINEERS
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~ENGINEERING EXCELLENCE~

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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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4/20/2021		3 of 11	
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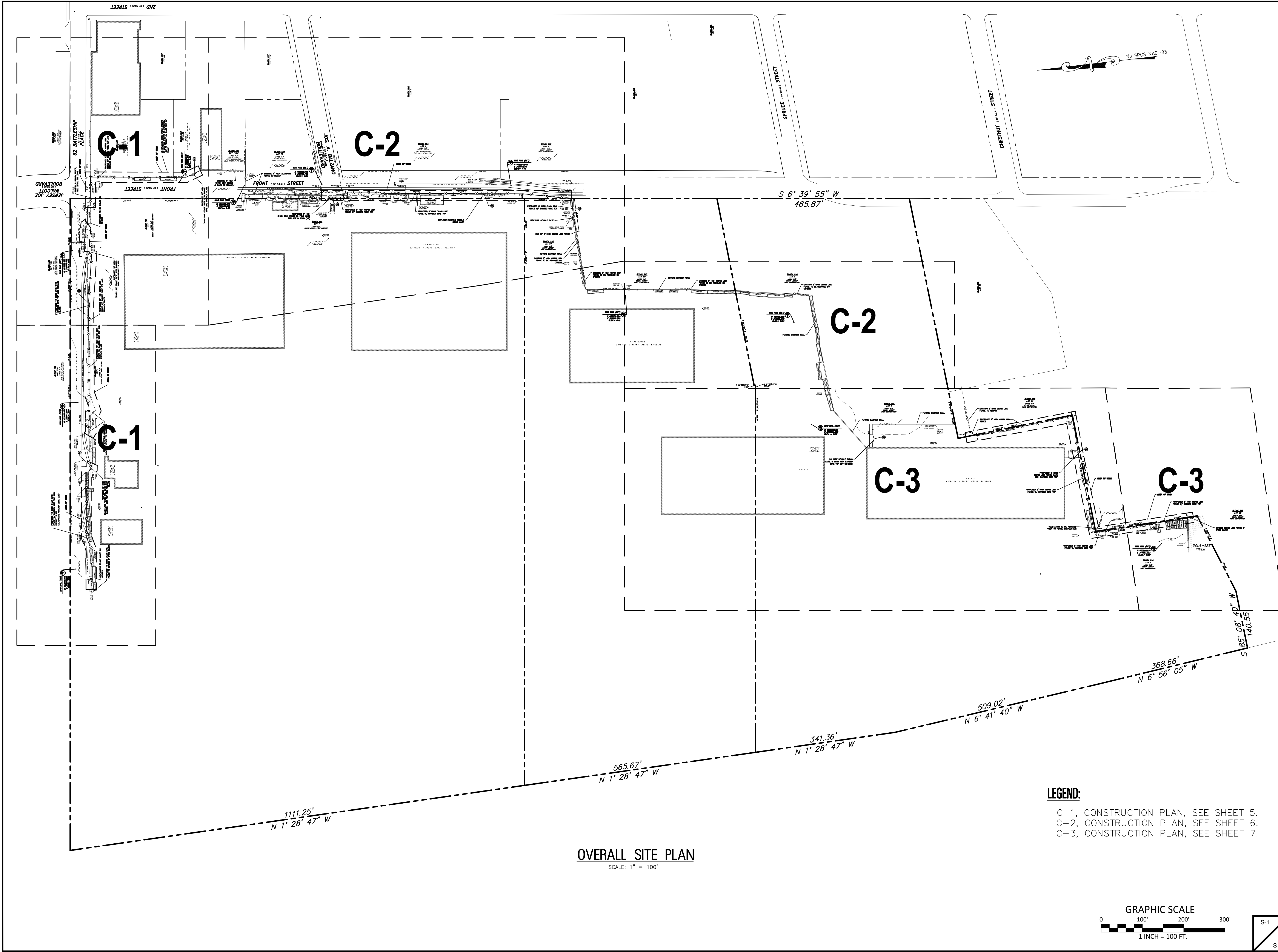
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OVERALL SITE PLAN

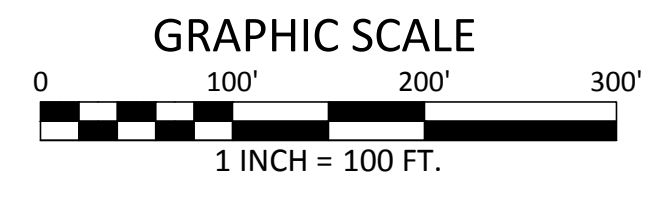
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BALZANO MARINE TERMINAL
 CITY OF CAMDEN CAMDEN COUNTY NEW JERSEY

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JOB No.:	3965X001		
		4 of 11	



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.



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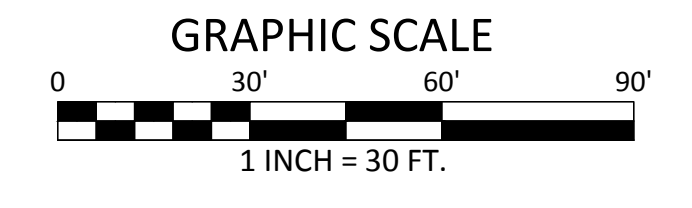
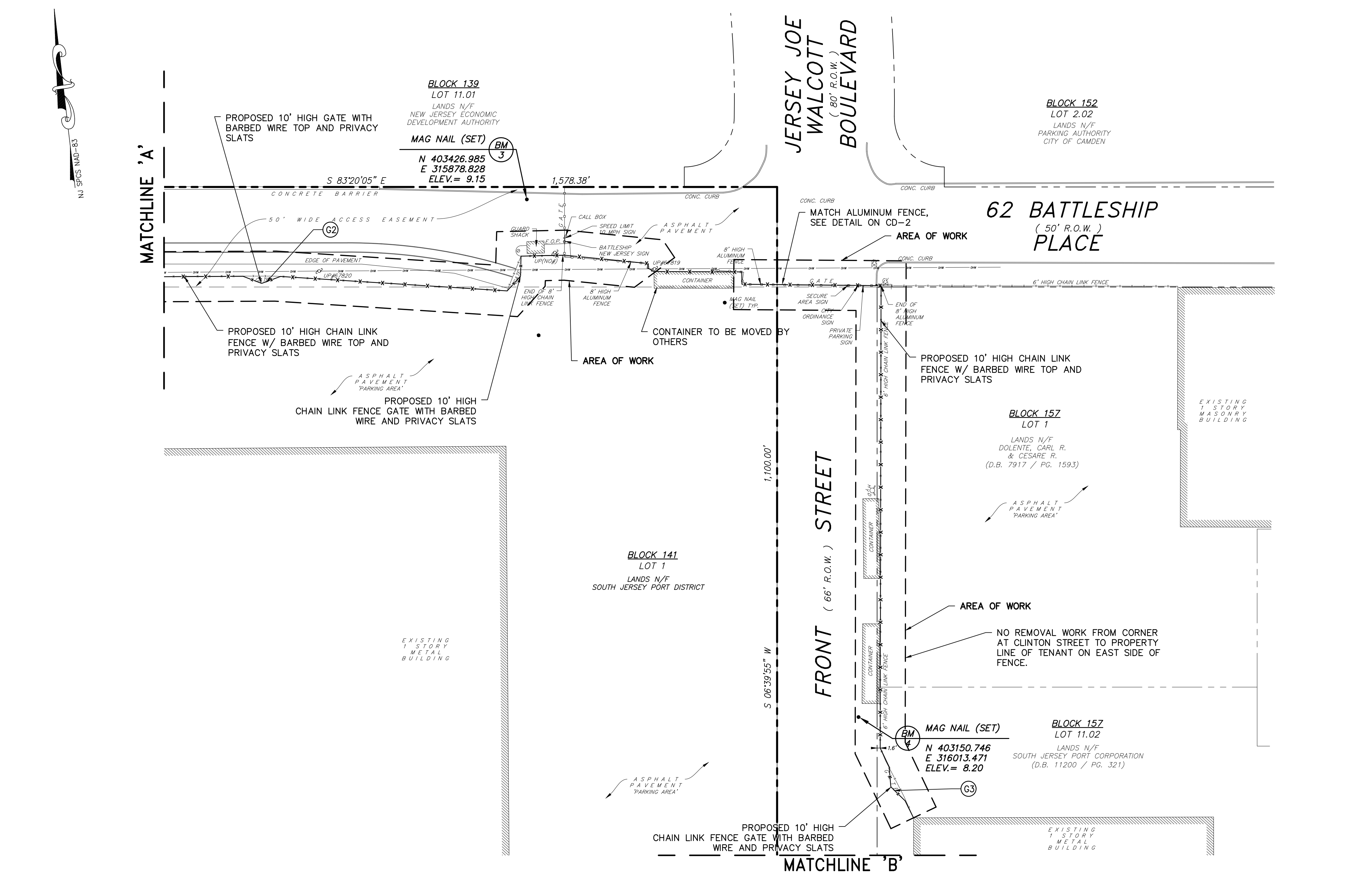
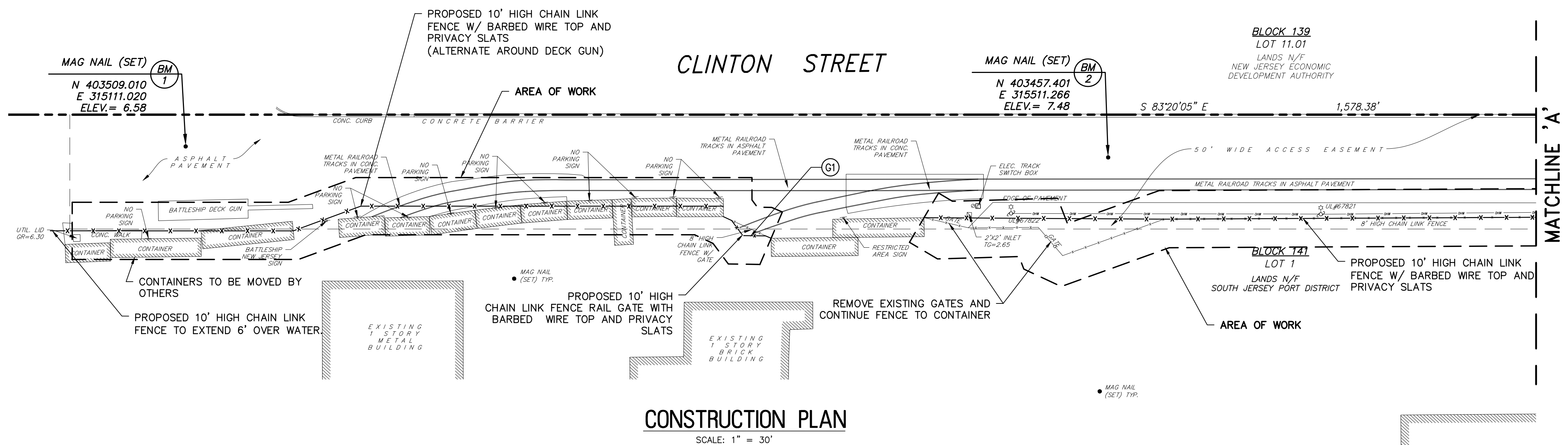
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NO.	REVISION	DATE	BY

CONSTRUCTION PLAN
 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:
CFC	DHS	WMB	AS NOTED
DATE:	4/20/2021		
JOB No.:	3965X001		5 of 11



C-1
 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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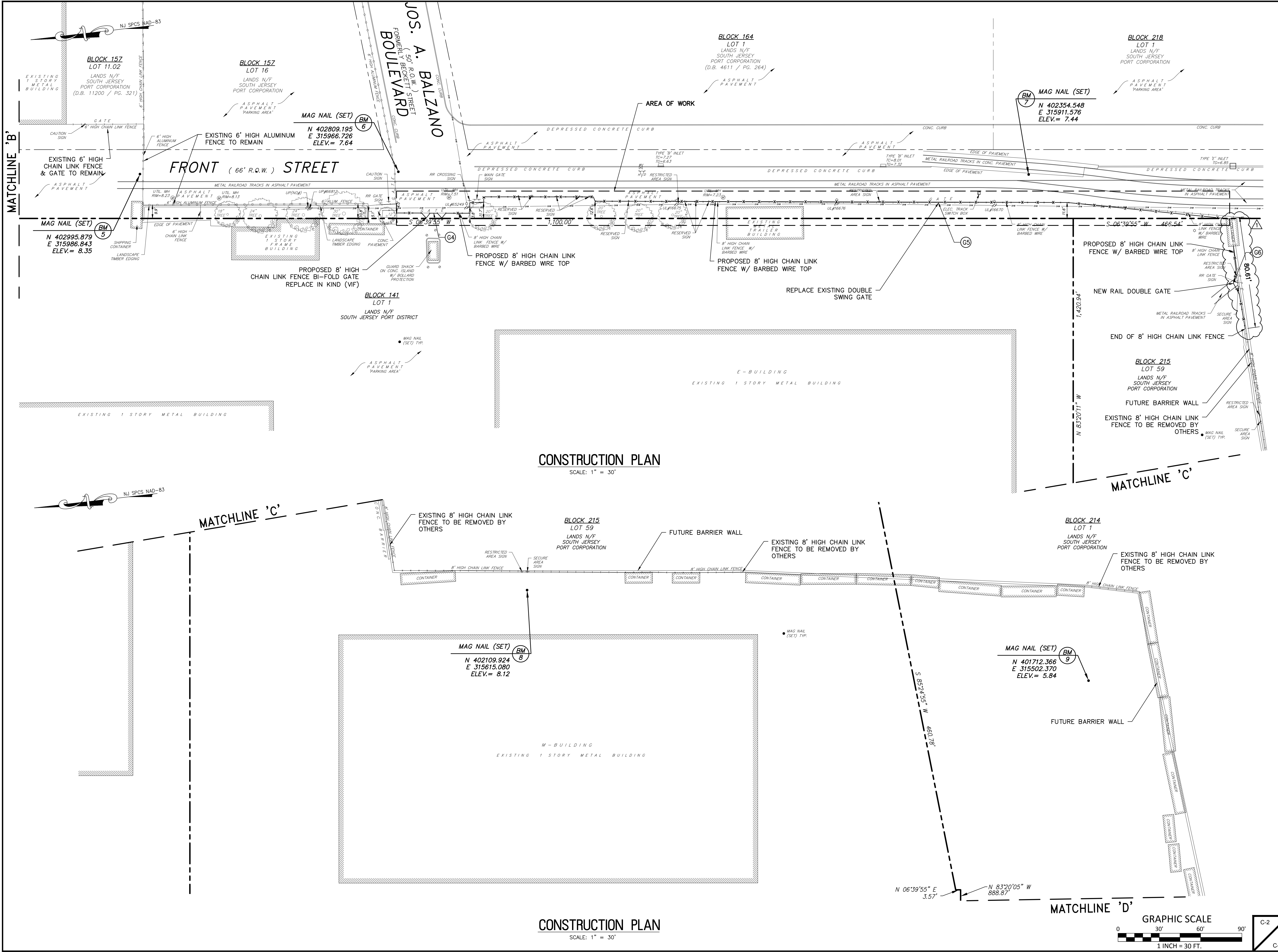
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NO.	REVISION	DATE	BY	CHK

CONSTRUCTION PLAN

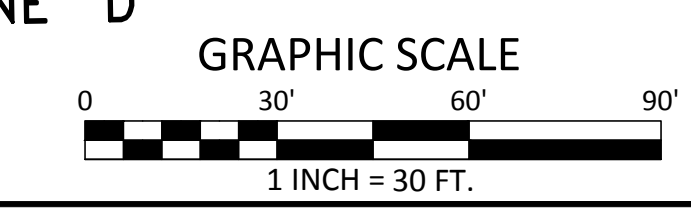
SOUTH JERSEY PORT CORPORATION
 REPLACEMENT OF SECURITY PERIMETER FENCE
 BALZANO MARINE TERMINAL
 CITY OF CAMDEN
 CAMDEN COUNTY
 NEW JERSEY

DRAWN BY	DESIGN BY	CHECKED BY	SCALE
CFC	DHS	WMB	AS NOTED
DATE:	4/20/2021		
JOB No.:	3965X001		
SHEET No.:	6	of 11	



CONSTRUCTION PLAN
 SCALE: 1" = 30'

CONSTRUCTION PLAN
 SCALE: 1" = 30'





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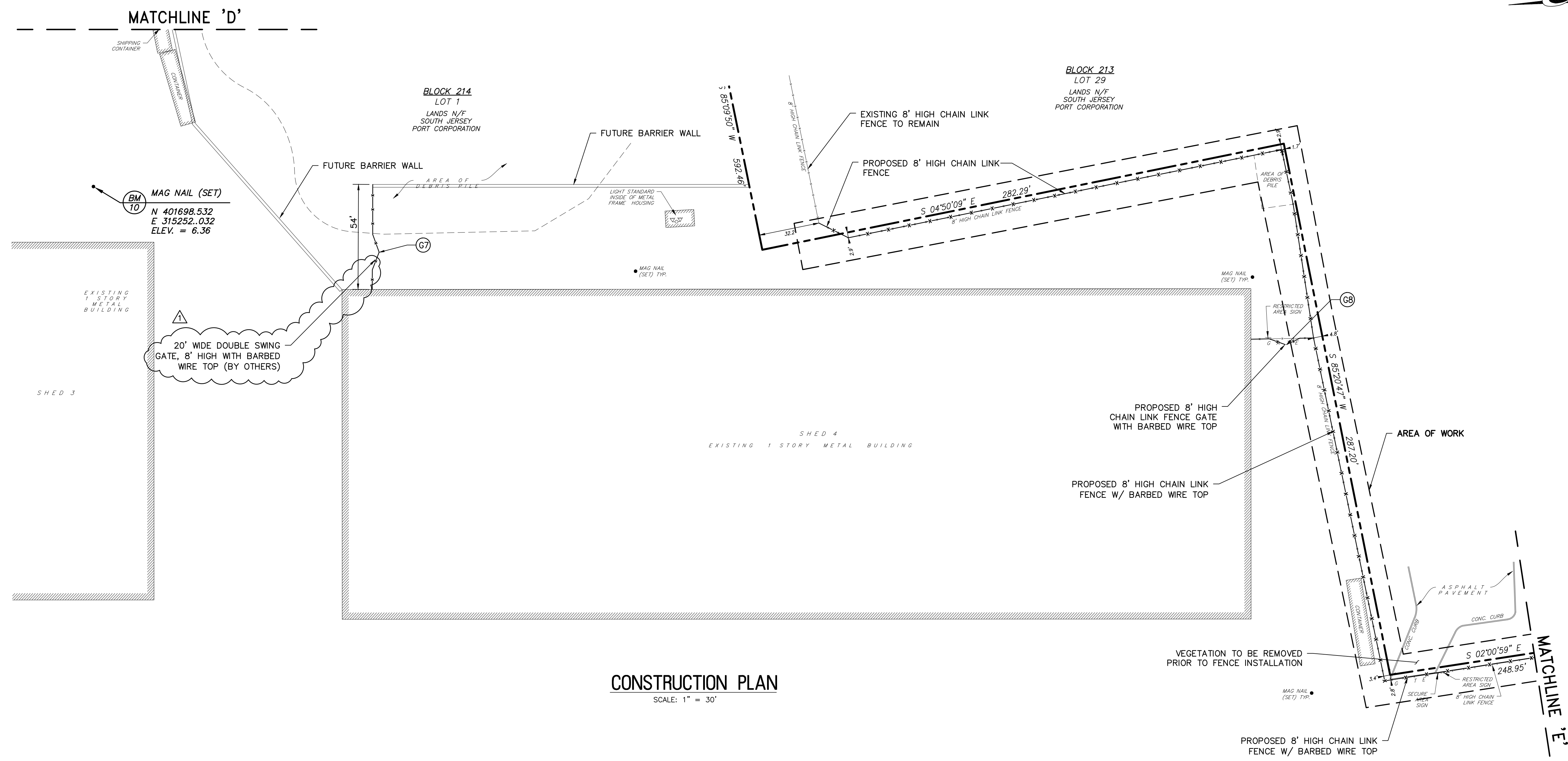
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1		11/22/2021	CFC/MBM

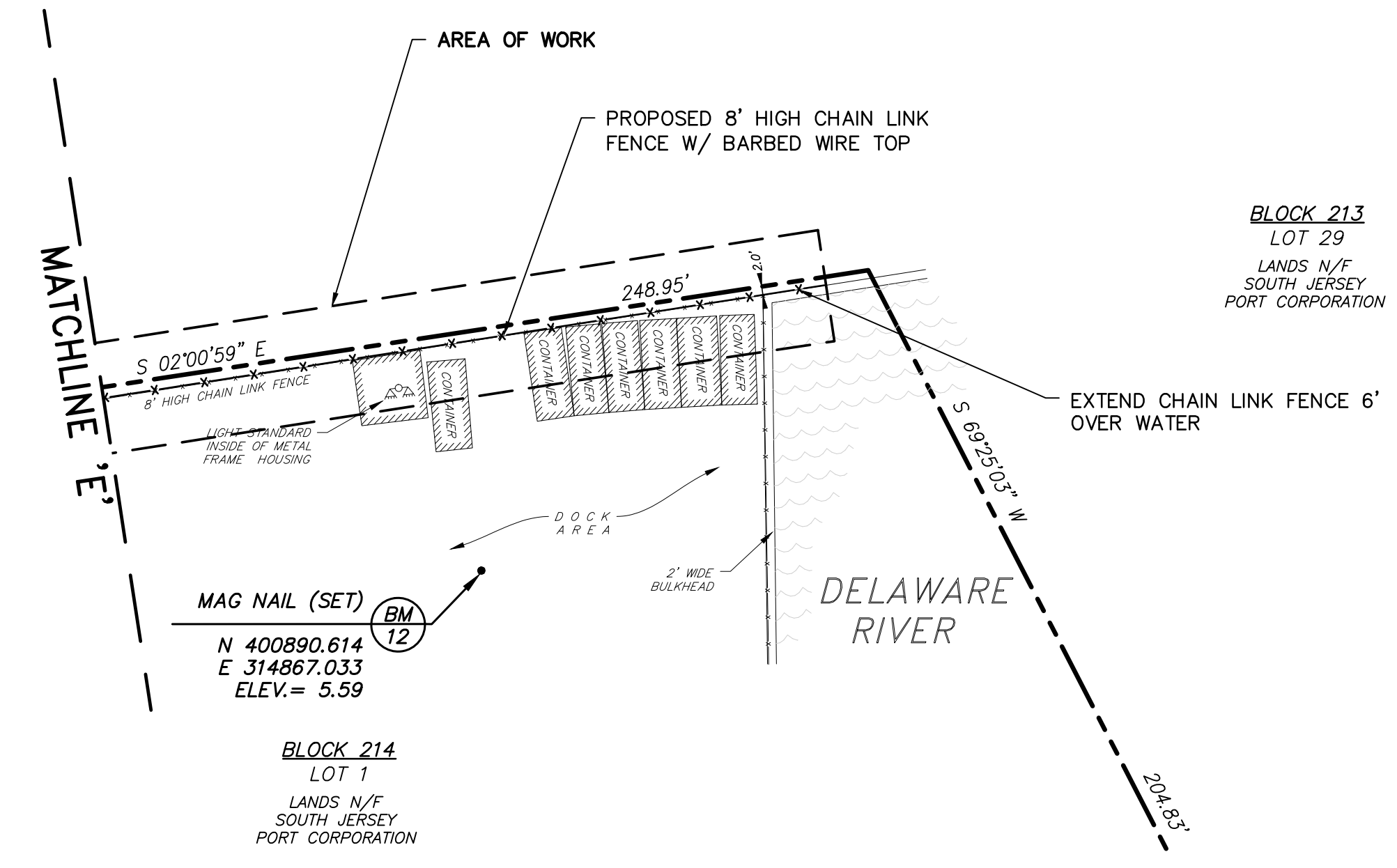
CONSTRUCTION PLAN

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

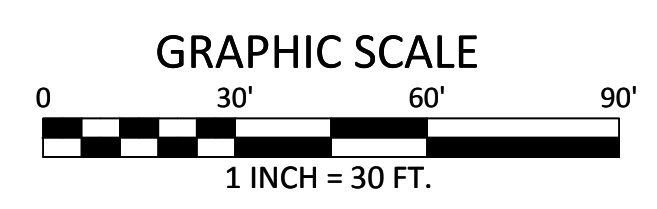
DATE	SCALE
4/20/2021	AS NOTED
3965X001	7 of 11



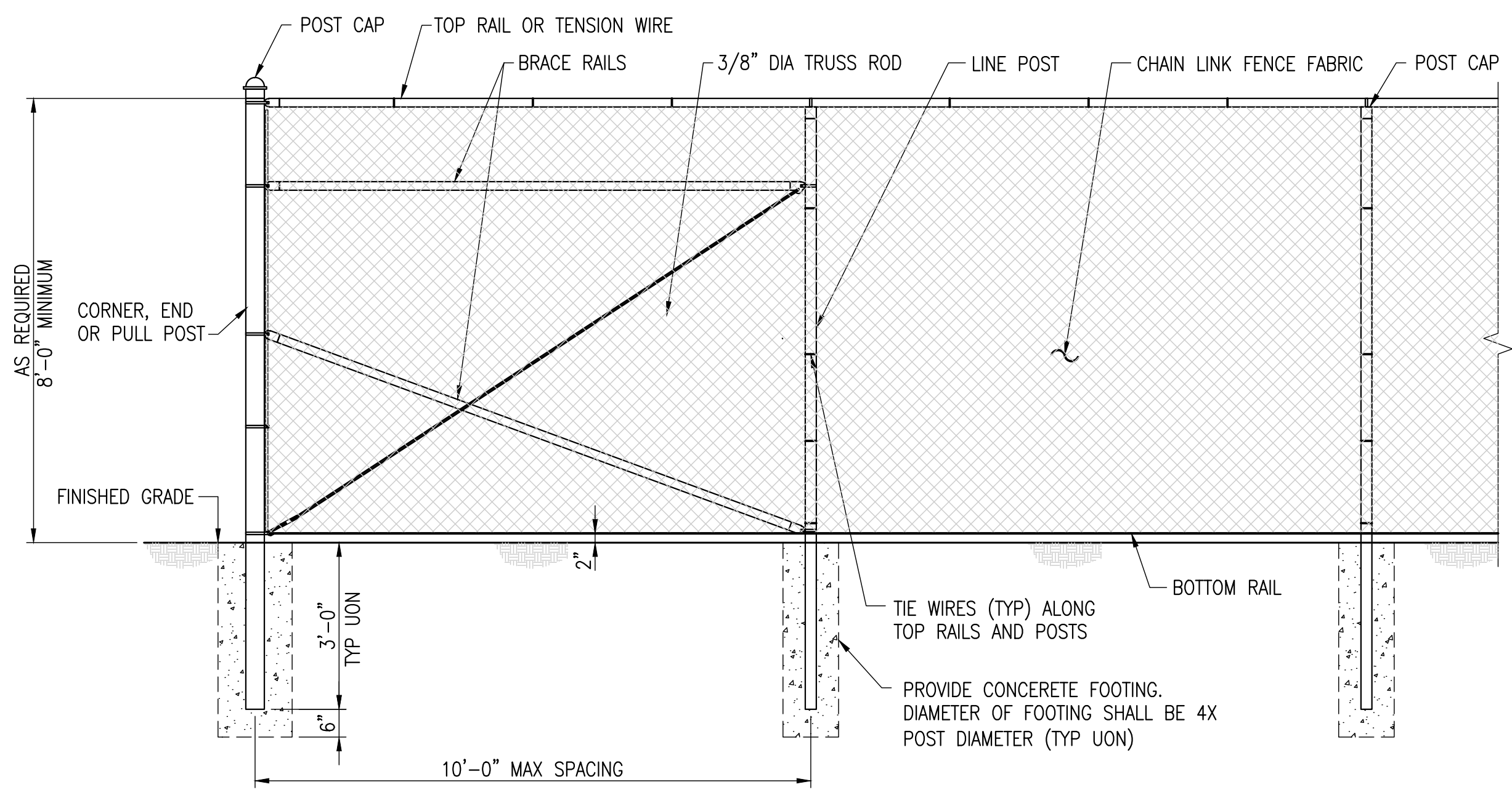
CONSTRUCTION PLAN
 SCALE: 1" = 30'



CONSTRUCTION PLAN
 SCALE: 1" = 30'

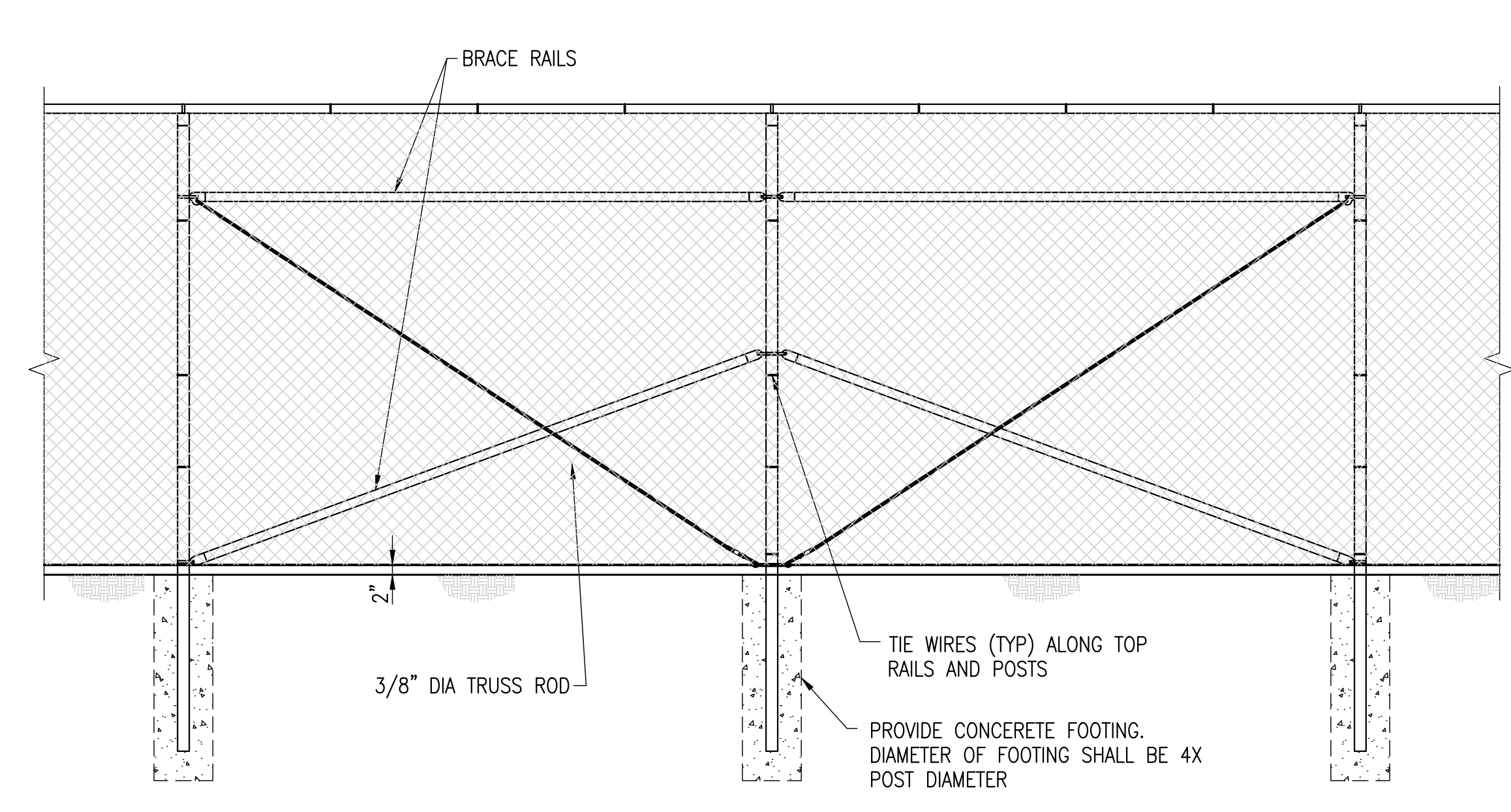


C-3



TYPICAL FENCE AND CORNER PANEL ELEVATION

SCALE: 1" = 1'-0"

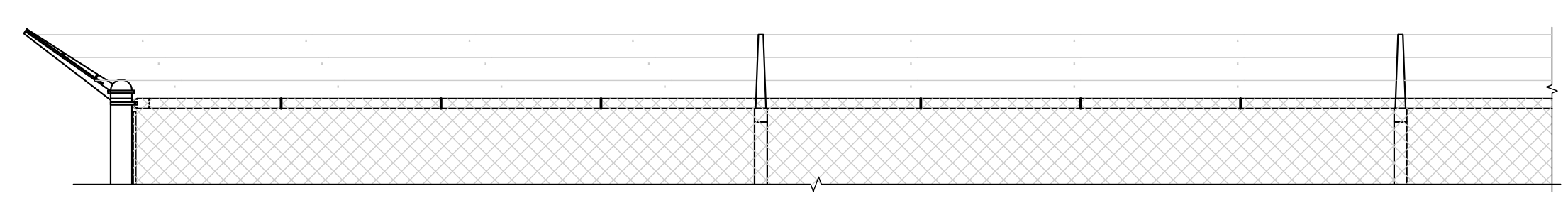


TYPICAL FENCE AND BRACED PANEL ELEVATION

SCALE: 1" = 1'-0"

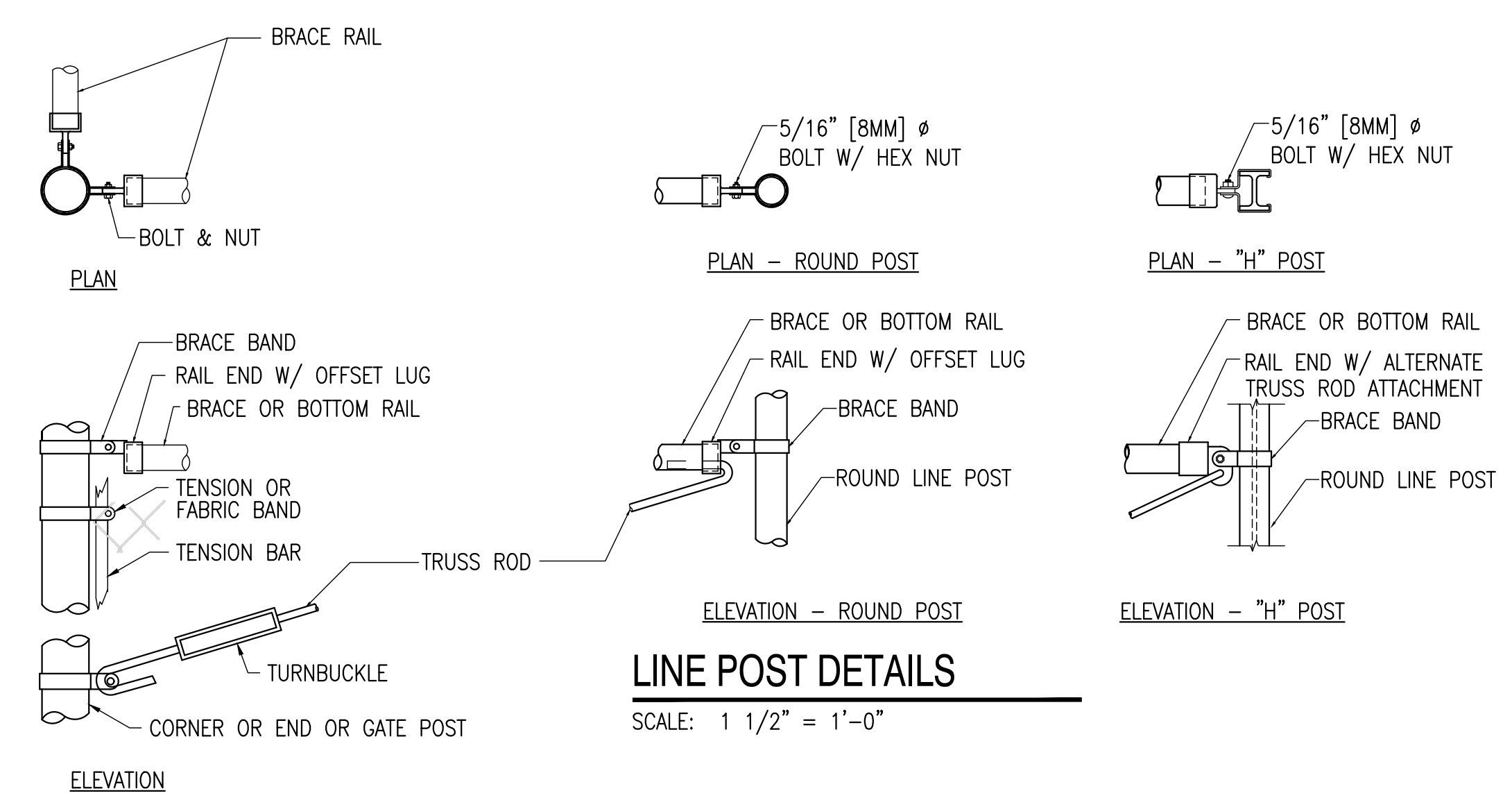
NOTE (1): A BOTTOM RAIL CAN BE ADDED FOR SECURITY, IT SHALL BE INSTALLED APPROX 3" ABOVE GRADE (A MINIMUM OF 2" AND A MAXIMUM OF 4"). HARDWARE SHALL BE WELDED OR SHOT NAILED TO POSTS AND RAILS IN ORDER TO SECURE IN PLACE. ATTACH FABRIC TO NEW BOTTOM RAIL TO ELIMINATE POSSIBILITY OF PEELING UP FABRIC.

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



TYPICAL 3 STRAND BARBED WIRE AND SINGLE EXTENSION ARM CONFIGURATION

SCALE: 1" = 1'-0"

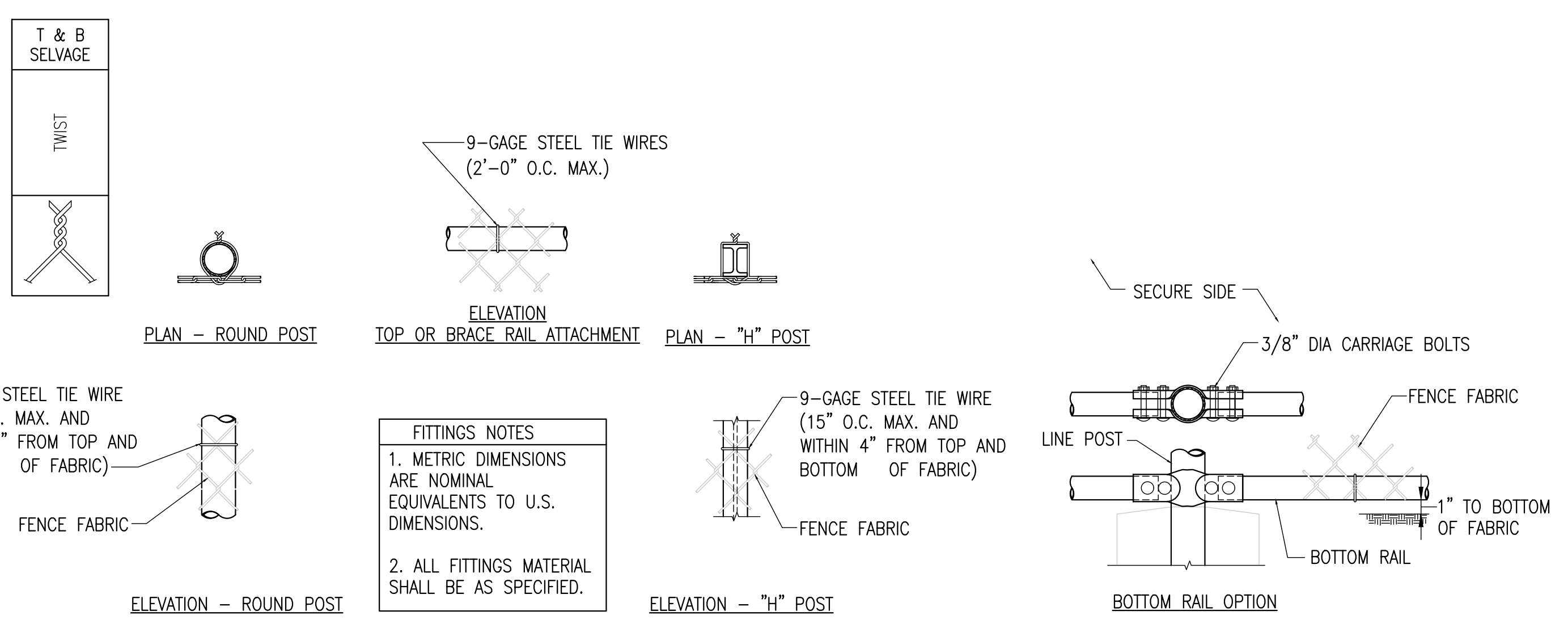


LINE POST DETAILS

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

CORNER OR END POSTS

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



FITTINGS NOTES

1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.

2. ALL FITTINGS MATERIAL SHALL BE AS SPECIFIED.

CHAIN-LINK FENCE AND DETAILS

GRAPHIC SCALES	
1" = 1'-0"	
1 1/2" = 1'-0"	

CD-1
CD-3

DROWN BY: CFC	DESIGN BY: DHS	CHECKED BY: WMB	SCALE: AS NOTED
DATE: 4/20/2021			SHEET No.: 8 of 11
JOB No.: 3965X001			

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1901

REMINGTON & VERNICK ENGINEERS

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BALZANO MARINE TERMINAL
NEW JERSEY
CITY OF CAMDEN
CAMDEN COUNTY

DATE:
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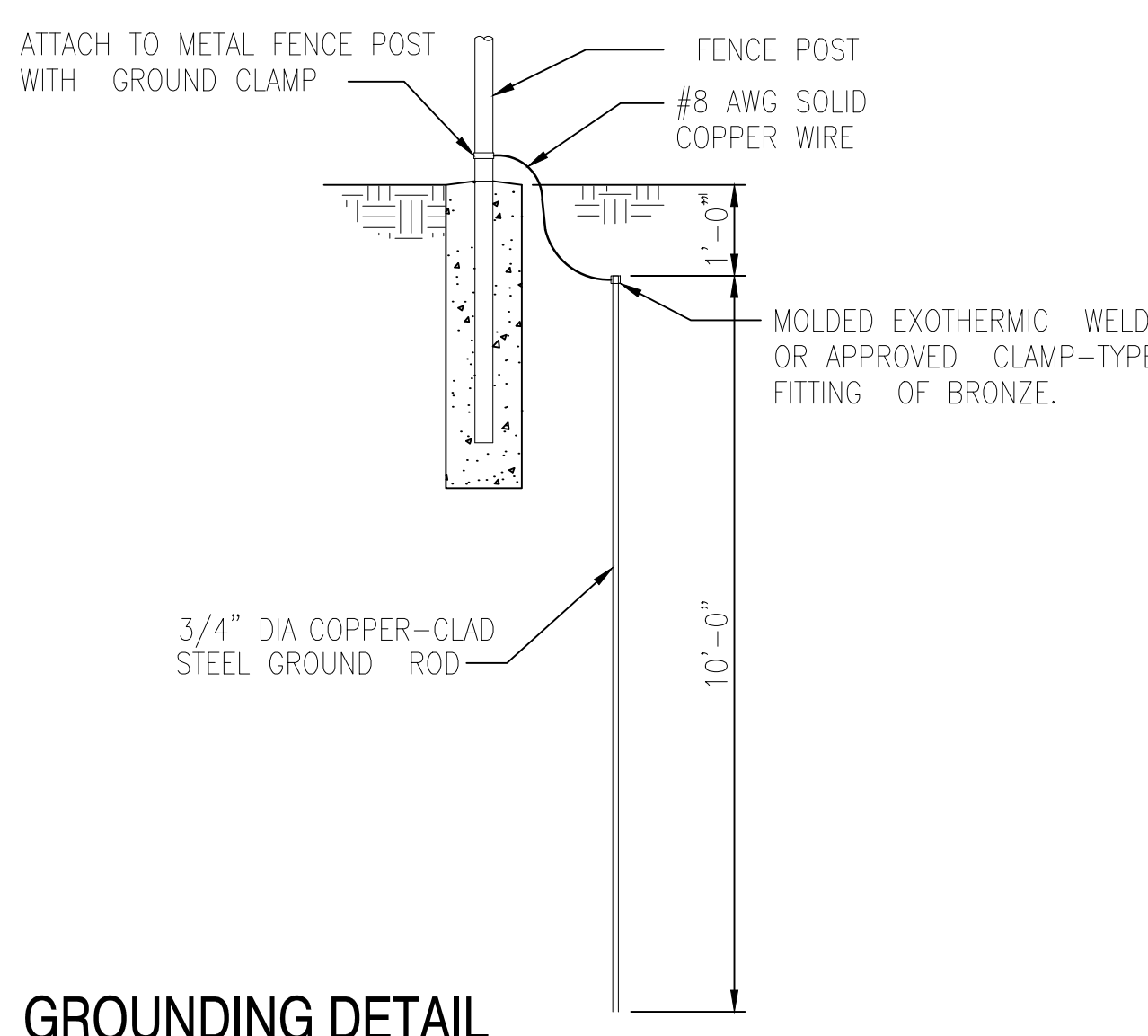
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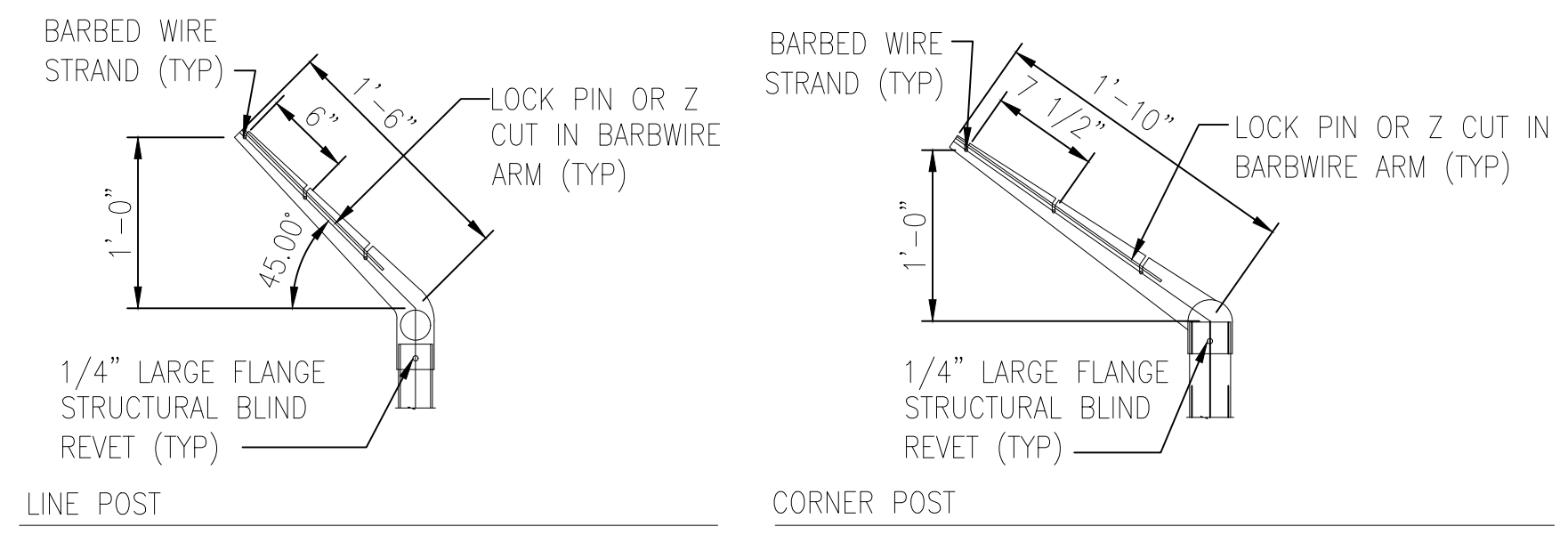
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CITY OF CAMDEN CAMDEN COUNTY NEW JERSEY

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4/20/2021	3965X001		9 of 11



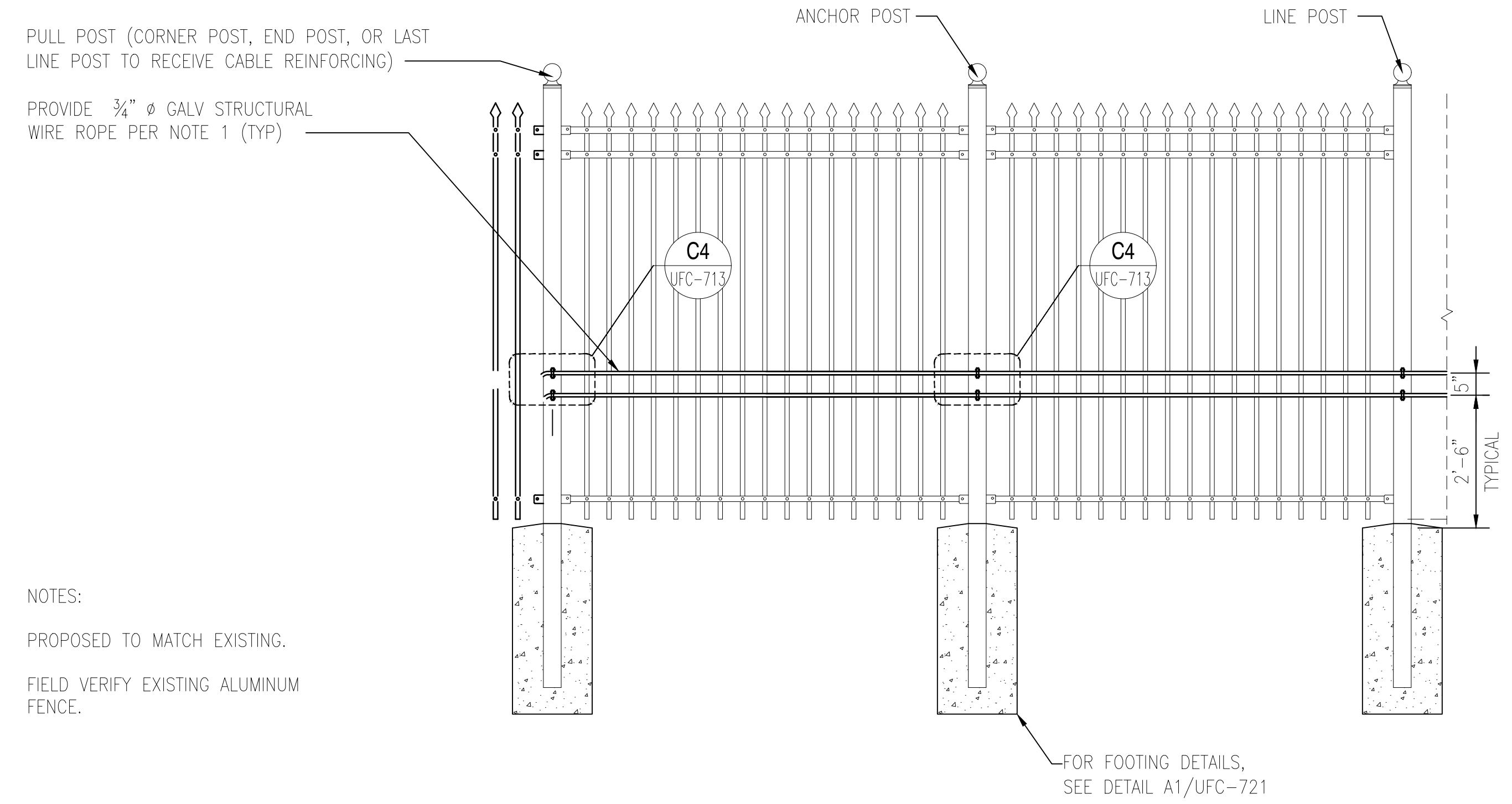
GROUNDING DETAIL

NO SCALE



SINGLE EXTENSION ARM DETAILS

SCALE: 1" = 1'-0"



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

1" = 1'-0" 0 6" 1' 2'

1 1/2" = 1'-0" 0 4" 8" 1'-4"

CD-2 CD-3



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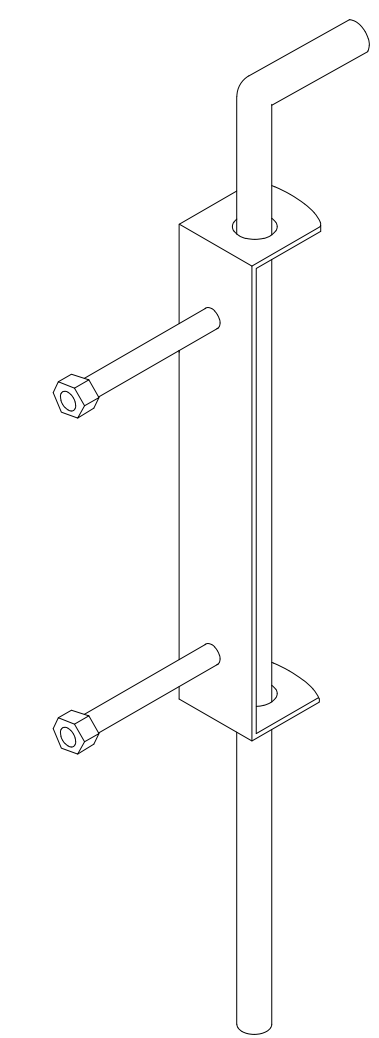
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CONSTRUCTION DETAILS

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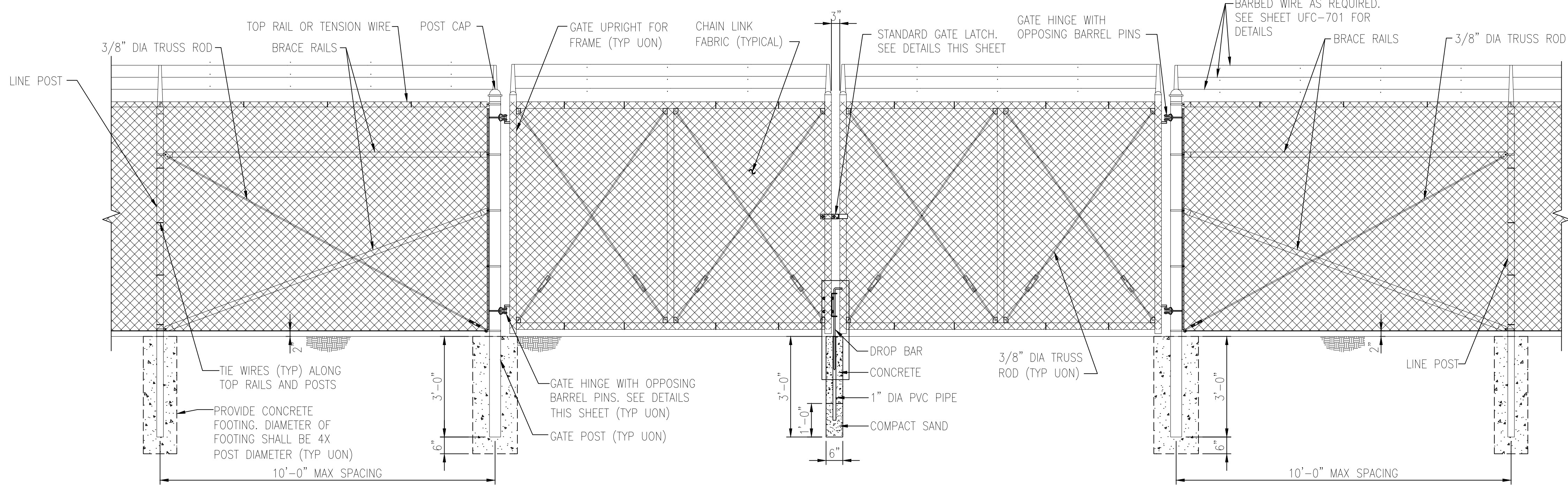
NOTE: PROVIDE ONE DROP BAR FOR EACH LEAF (TYP). ASSOCIATED GALV SLEEVES TO BE INSTALLED FLUSH WILL GRADE AT FULLY OPEN AND CLOSED POSITIONS. CONTRACTOR SHALL PROVIDE 6" LAYER OF #10 STONE BELOW BOTTOM OF SLEEVE TO ALLOW FOR DRAINAGE.



DETAIL: DROP BAR
 NOT TO SCALE

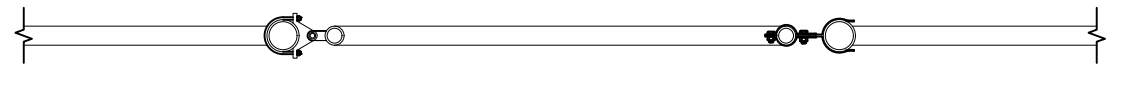
PLAN - DOUBLE SWING GATE

SCALE: 1" = 1'-0"



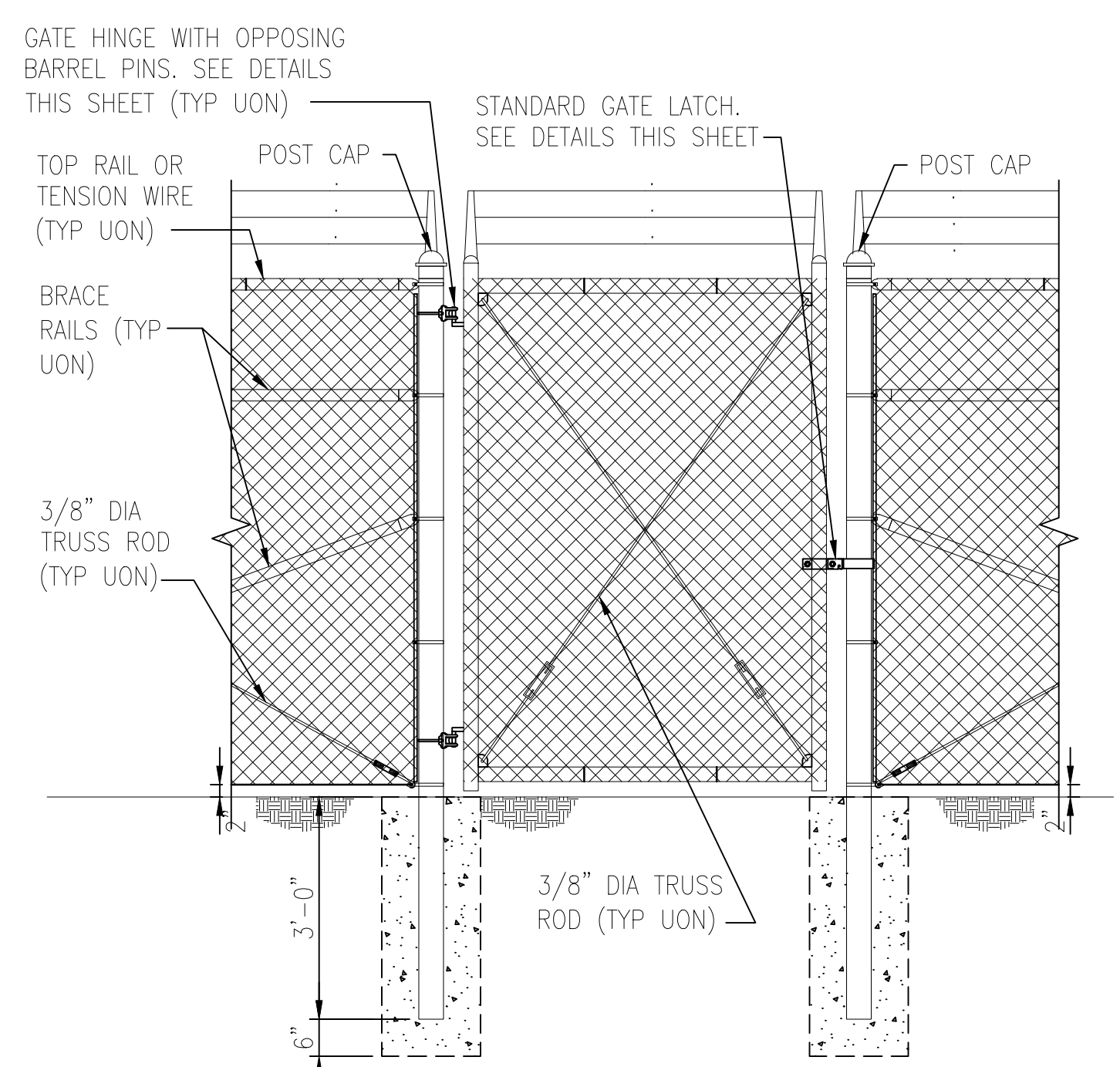
TYPICAL 20' WIDE DOUBLE SWING GATE ELEVATION, G2, G3, G5, G7

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



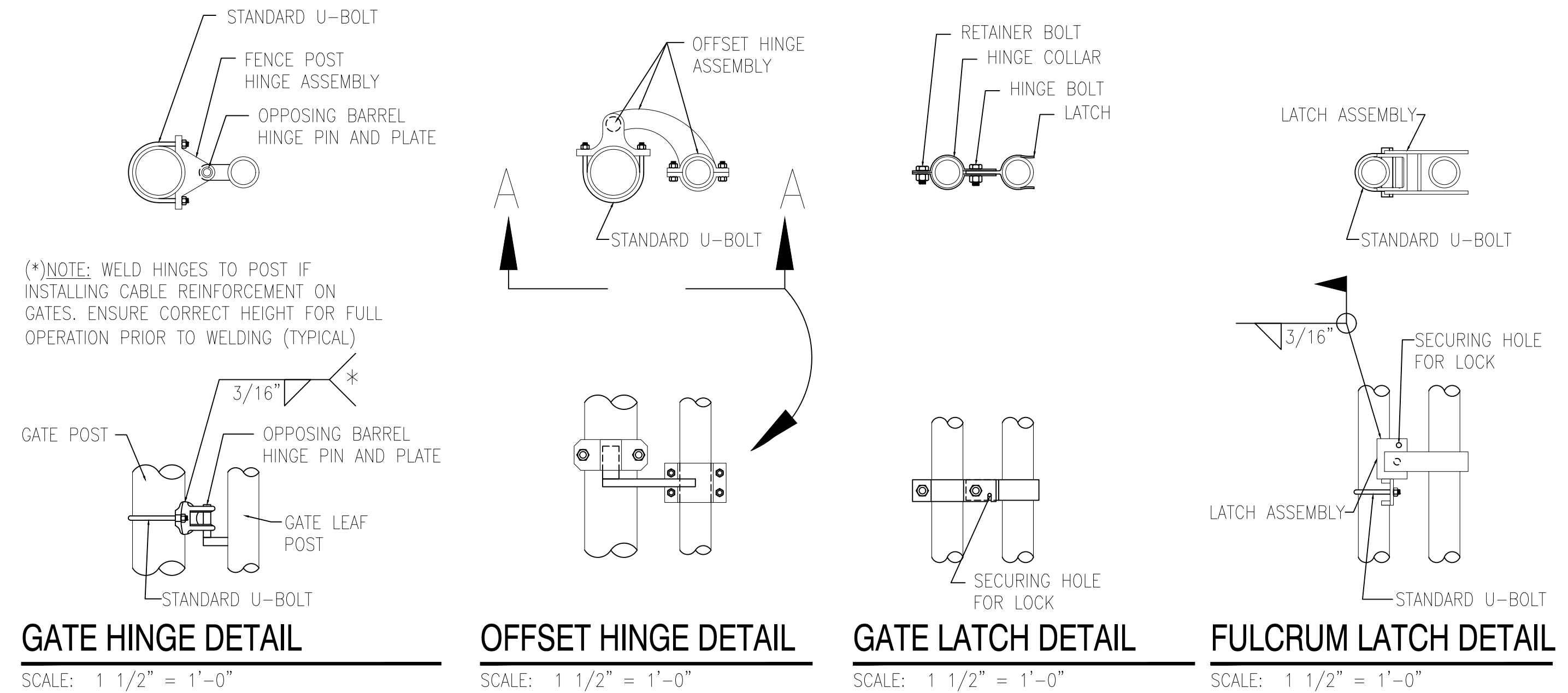
PLAN SINGLE SWING GATE

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"

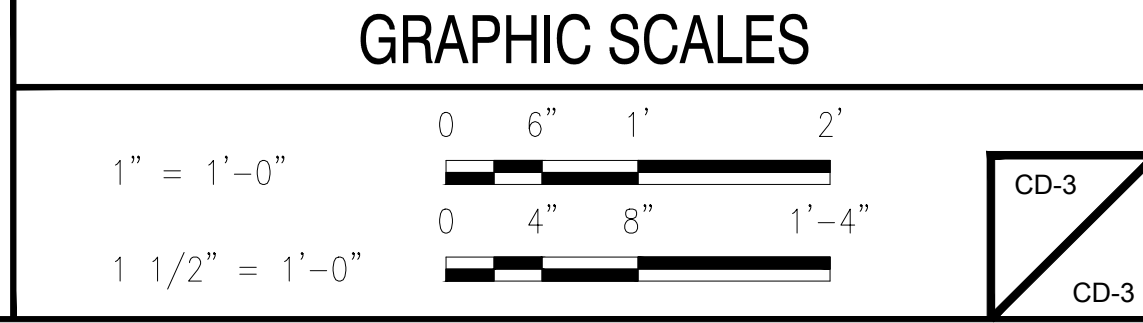
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
NOM HT INCLUDING BARBED WIRE	ACTUAL DIM	ACTUAL DIM
8'-0" [2438MM]	7'-10" [2388MM]	6'-8 1/2" [2045MM]

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]
6'-0" [1829MM]	4" [102MM] SQ x 3/16" TH OR 4" [102MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
12'-0" [3657MM]	6" [153MM] SQ x 3/16" TH OR 6.625" [168MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
19'-0" [5790MM]	8" [203MM] SQ x 1/4" TH OR 8.625" [219MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

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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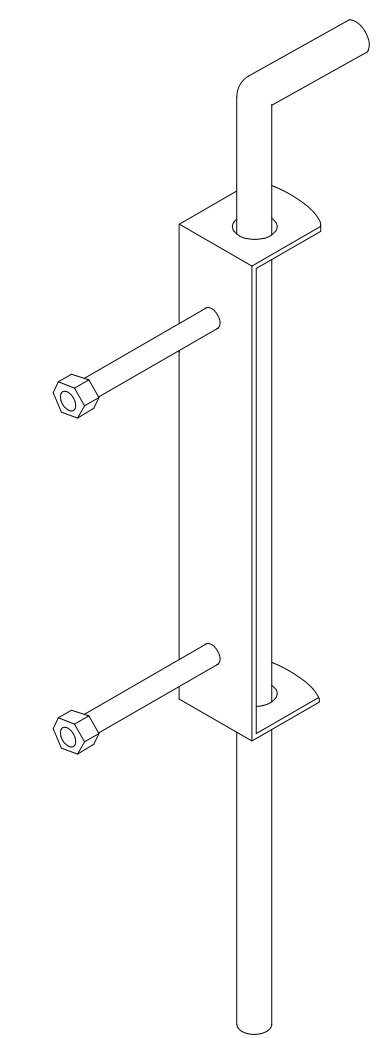
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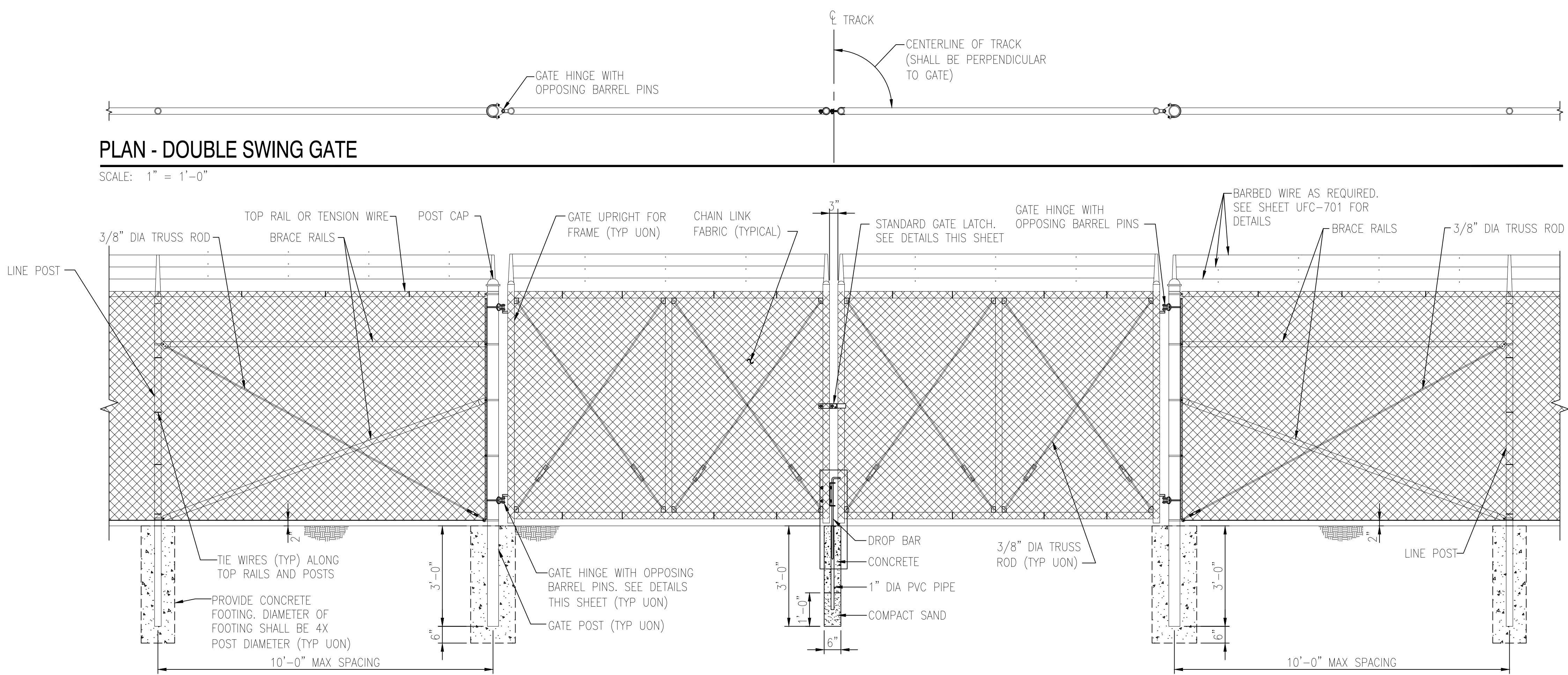
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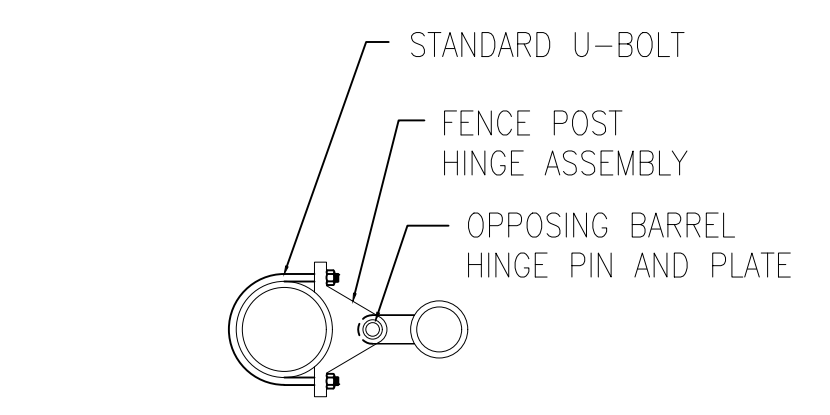
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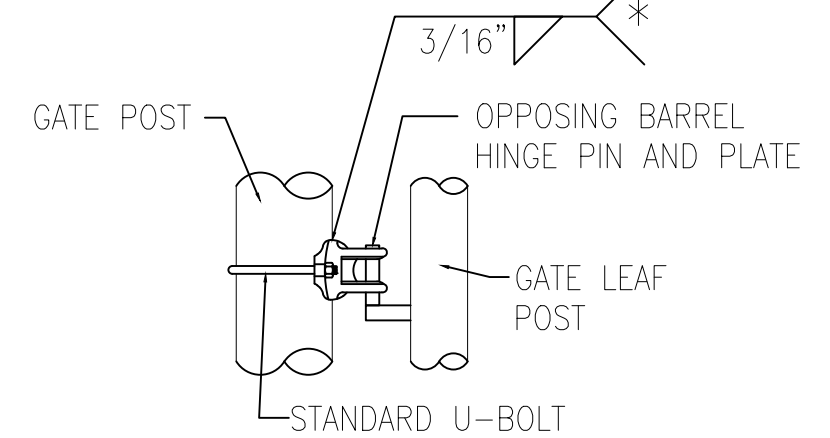
DETAIL: DROP BAR
NOT TO SCALE



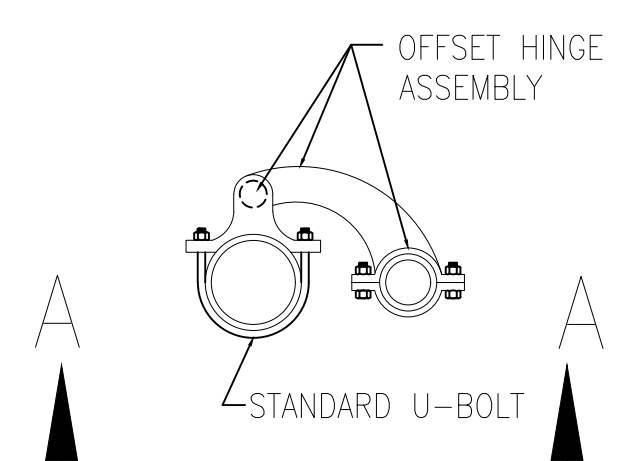
TYPICAL 21' WIDE DOUBLE SWING GATE ELEVATION (RAIL GATE), G1, G6
SCALE: 1/2" = 1'-0"



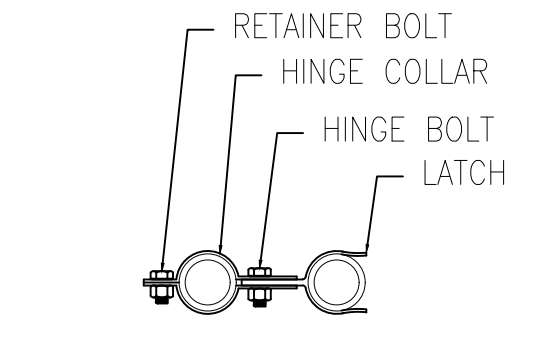
(*NOTE: WELD HINGES TO POST IF INSTALLING CABLE REINFORCEMENT ON GATES. ENSURE CORRECT HEIGHT FOR FULL OPERATION PRIOR TO WELDING (TYPICAL)



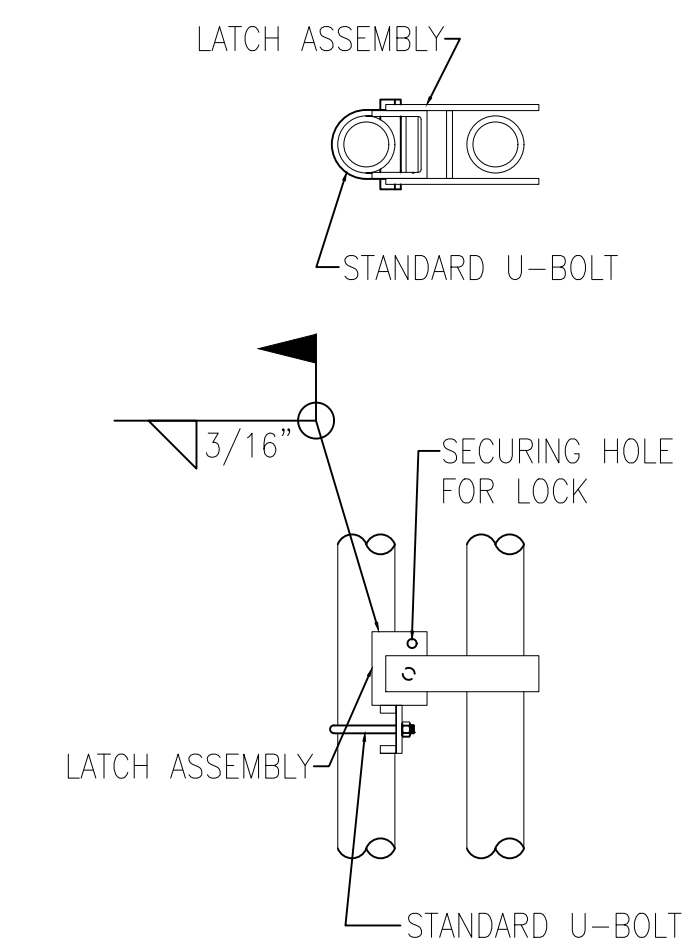
GATE HINGE DETAIL
SCALE: 1 1/2" = 1'-0"



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"

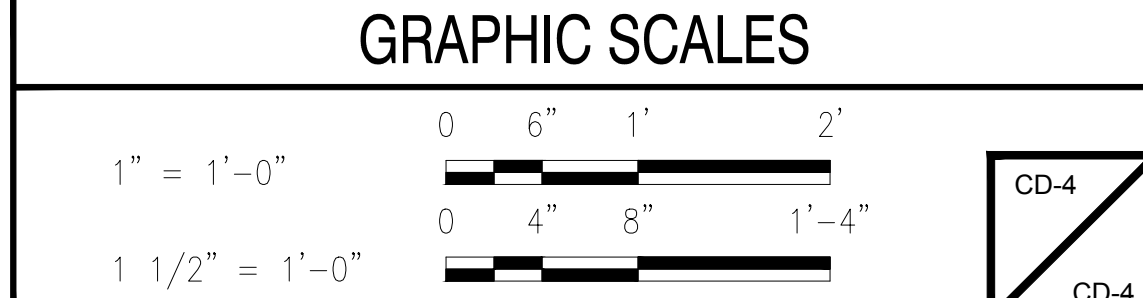
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
8'-0" [2438MM]	7'-10" [2388MM]	6'-8 1/2" [2045MM]

SINGLE LEAF GATES		
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BARBED WIRE ARRANGEMENT DETAILS



CD-4