

STATE OF MAINE DEPARTMENT OF TRANSPORTATION

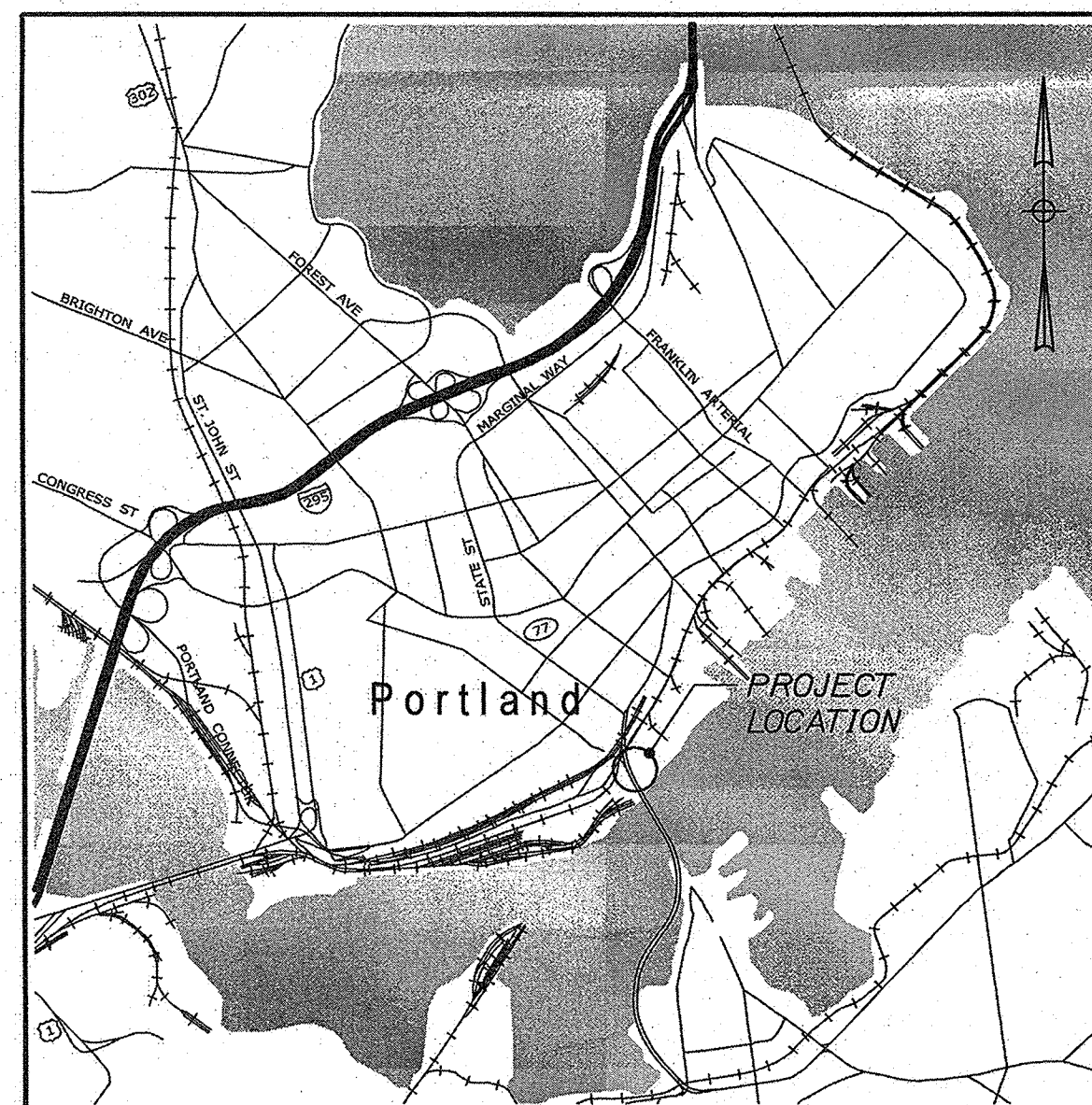
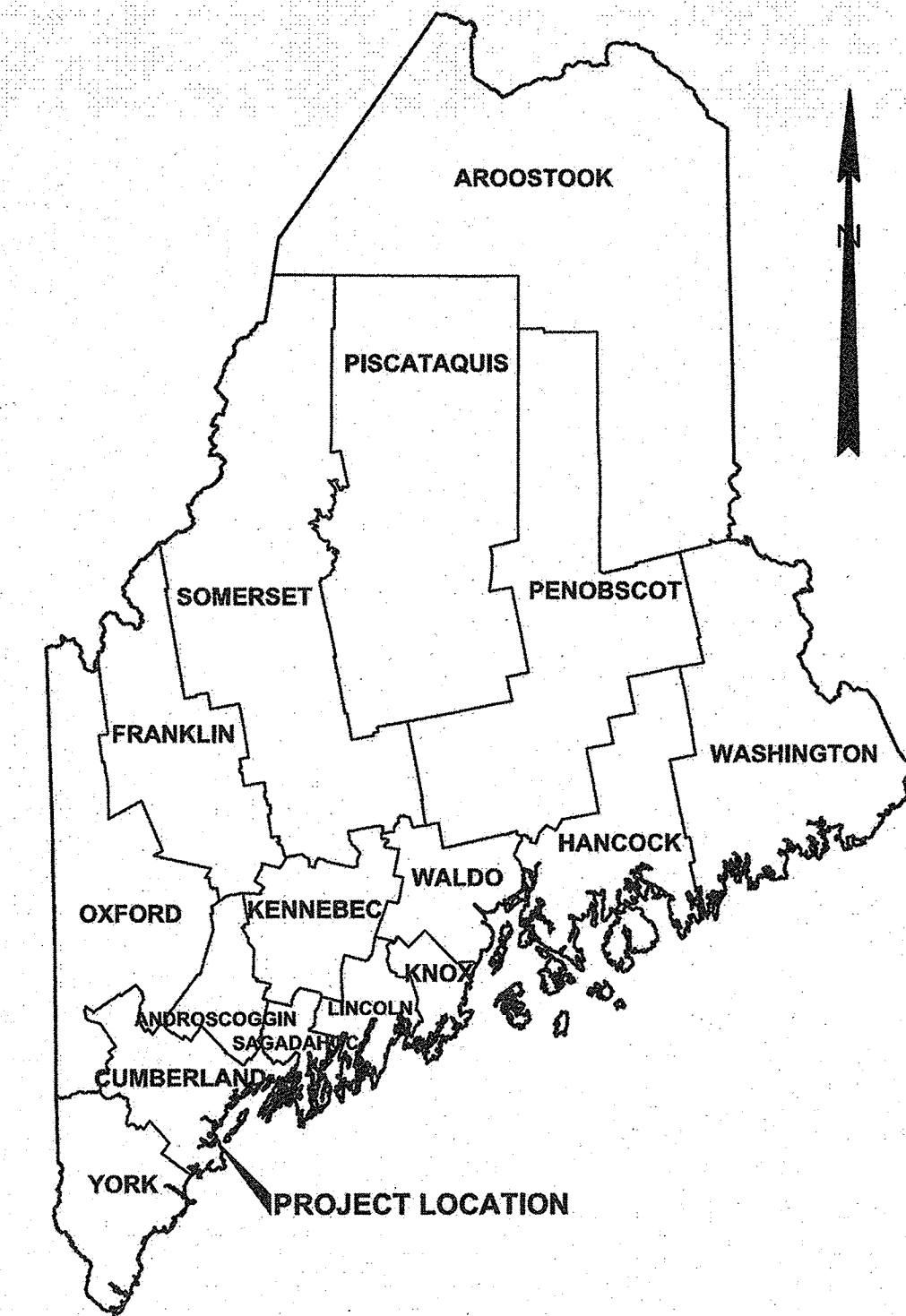


CITY OF PORTLAND CUMBERLAND COUNTY

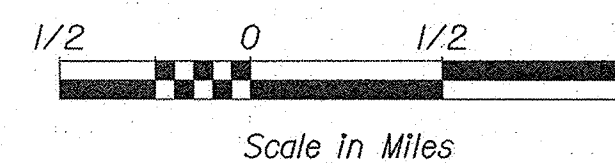
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT

PORTLAND INTERNATIONAL MARINE TERMINAL TERMINAL GRADING & PAVING

FEDERAL PROJECT NO. STP-2194(207)
WIN: 021942.07



LOCATION MAP



Scale in Miles

INDEX OF SHEETS

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SITE PLANS

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ELECTRICAL PLANS

E01	8	ELECTRICAL PLAN
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THE PROFESSIONAL ENGINEER WHOSE STAMP APPEARS ON THIS COVER SHEET
BEARS RESPONSIBILITY FOR THE FOLLOWING SHEETS WITHIN THIS DRAWING SET:

GENERAL	G01-G03
SITE PLANS	C01-C04

ADDITIONAL WORK APPEARS WITHIN THIS DRAWING SET AND IS THE
RESPONSIBILITY OF THE FOLLOWING ORGANIZATIONS, WHOSE STAMP APPEARS ON
THOSE INDIVIDUAL SHEETS:

ELECTRICAL PLANS	E01	ELECTRICAL DESIGN	BARTLETT DESIGN, INC.
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]*
COMMISSIONER: *[Signature]*
DATE: 3/2/18

CHIEF ENGINEER: *[Signature]*
DATE: 2/24/18

ROLAND A. LAVALLEE
No. 6462
LICENSED PROFESSIONAL ENGINEER

[Signature]
SIGNATURE: *[Signature]*
P.E. NUMBER: 6452
DATE: 2/24/18

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	JOEL C. KITTRIDGE
DESIGNER	CRAG R. MORIN, P.E.
CONSULTANT	HNTB CORPORATION
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PORTLAND INTERNATIONAL MARINE TERMINAL
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT
TERMINAL GRADING & PAVING
CUMBERLAND COUNTY

PORTLAND

TITLE SHEET

SHEET NUMBER

G01
1 OF 8



WIN 021942.07 FEDERAL PROJECT NO. STP-2194(207)

GENERAL NOTES:

- THESE DRAWINGS FORM PART OF THE CONTRACT DOCUMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ELEVATIONS AND SOUNDINGS ARE IN FEET BASED ON PROJECT DATUM, NGVD29.
- CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.
- ALL DIMENSIONS, ELEVATIONS, & CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- ALL NORTH ARROWS SHOWN ARE GRID NORTH BASED ON NAD83 MAINE WEST.
- THE EXACT SIZE & LOCATION OF ALL EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES PRESENT AND CONSTRUCTION SHALL BE COORDINATED WITH THE RESIDENT.
- EXISTING FEATURES WERE SURVEYED BY OWEN HASKELL, INC., IN JUNE 2017 AND FEBRUARY 2018, AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.
- METHODS OF CONSTRUCTION AND ERECTION ARE THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE SPECIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN ENVIRONMENTAL CONTROLS AS REQUIRED BY FEDERAL, STATE, AND MUNICIPAL REGULATIONS AND PERMITS. ENVIRONMENTAL CONTROLS SHALL INCLUDE BUT NOT BE LIMITED TO NOISE, LIQUIDS, AND DUST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO STRUCTURES OR INJURIES TO THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY FACILITIES FOR THE PROTECTION OF THE WORK, WORKERS, AND PUBLIC SAFETY.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS AND PERMITS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR, SAFETY, AND HEALTH, U.S. ARMY CORPS OF ENGINEERS, AND STATE/LOCAL WETLANDS CONTROL.
- THE CONTRACTOR MAY BE CHARGED AN ADDITIONAL COST OF REINSPECTION OR RETEST WHEN PRIOR REJECTION MAKES REINSPECTION OR RETEST NECESSARY.
- CONSTRUCTION ACTIVITY WHICH GENERATES LOUD NOISE OR VIBRATION ARE LIMITED TO THE HOURS NOTED IN THE SPECIFICATIONS.
- THE PORTLAND INTERNATIONAL MARINE TERMINAL IS IN COMPLIANCE WITH MTA 33 CFR PART 105. SPECIFIC DESIGN DETAILS AND CONSTRUCTION SEQUENCING ARE PROVIDED TO ENSURE COMPLIANCE IS MAINTAINED THROUGHOUT THE PROJECT. CONTRACTOR MAY PROPOSE VARIATIONS TO THE CONSTRUCTION PHASES SHOWN HEREIN UPON COMMENCEMENT OF CONSTRUCTION ACTIVITIES BUT SHALL NOT ASSUME THAT PROPOSED VARIATIONS WILL BE AUTHORIZED. ALL ACTIVITIES SHALL BE COORDINATED WITH THE PORT OPERATOR.
- THE CONTRACTOR, ITS EMPLOYEES, AND SUBCONTRACTORS SHALL OBTAIN SECURITY PASSES INCLUDING TWIC CARDS AND INTERNATIONAL MARINE TERMINAL ID'S FOR THE DURATION OF THE PROJECT. NO PERSONNEL WILL BE PERMITTED OUTSIDE THE DESIGNATED PRIMARY CONSTRUCTION ZONE WITHOUT THE REQUIRED SECURITY PASS.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES DURING THE PROJECT. PERIODIC SWEEPING OF PAVEMENT SURFACES WITHIN THE CONSTRUCTION AREA MAY BE REQUIRED DURING CONSTRUCTION AS DIRECTED BY THE RESIDENT AND REQUIRED BY MAINEDOT EROSION CONTROL SPECIFICATIONS.
- ALL SCALES ARE INTENDED FOR FULL SIZE 22X34-INCH DRAWINGS.

CODES:

- AASHTO, "LRFD BRIDGE SPECIFICATIONS", 8TH EDITION, 2017
- MAINEDOT HIGHWAY DESIGN GUIDE, FEBRUARY 2015 EDITION AND ENGINEERING INSTRUCTIONS

ENVIRONMENTAL NOTES:

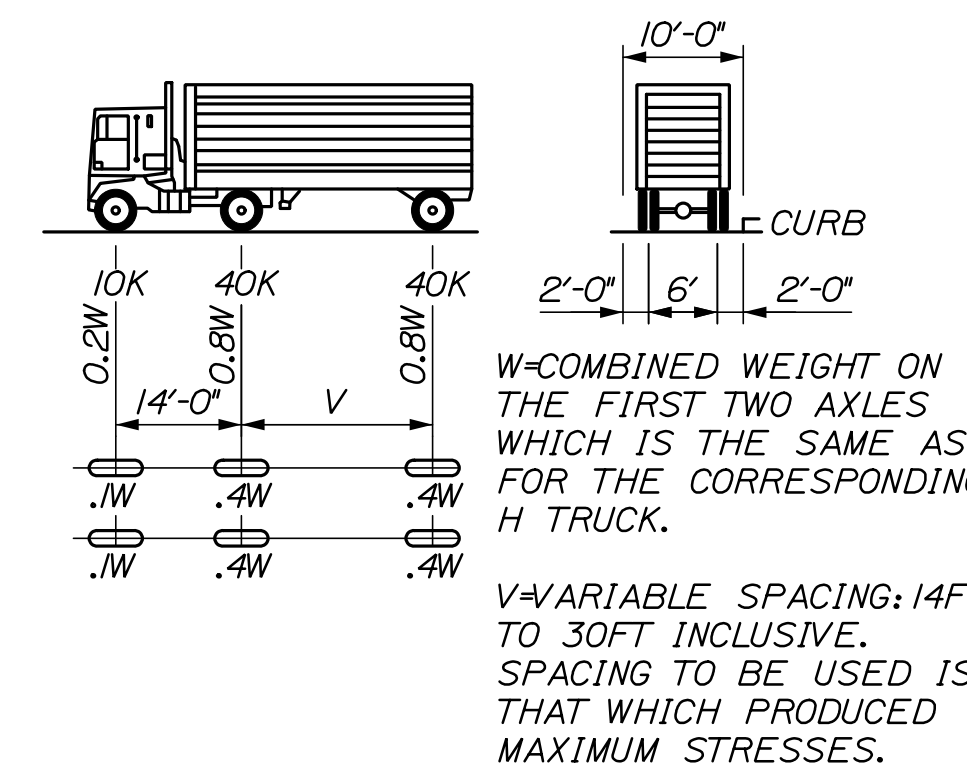
1. DUE TO THE INDUSTRIAL HISTORY OF THE SITE, COAL ASH MAY BE PRESENT IN ISOLATED AREAS ON THIS PROJECT. THIS MATERIAL IS IDENTIFIED AS BEING FINE-GRAINED BLACK MATERIAL. THIS MATERIAL, IF ENCOUNTERED, MUST BE REUSED ON-SITE AS FILL MATERIAL. IF THE MATERIAL CANNOT BE REUSED ON SITE, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPROVALS OR PERMITS AND ANY REQUIRED ANALYTICAL RESULTS FOR PROPER DISPOSAL AT A LICENSED MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) FACILITY. THE CONTRACTOR SHALL REMAIN ALERT FOR EVIDENCE OF CONTAMINATION AND SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM IMPACTED SOILS. ALSO, IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE SENIOR GEOLOGIST IN THE MAINE DEPARTMENT OF TRANSPORTATION OFFICE OF SAFETY COMPLIANCE (MAINEDOT-OSC) AT 207-624-3004 AND THE MDEP AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

ABBREVIATIONS:

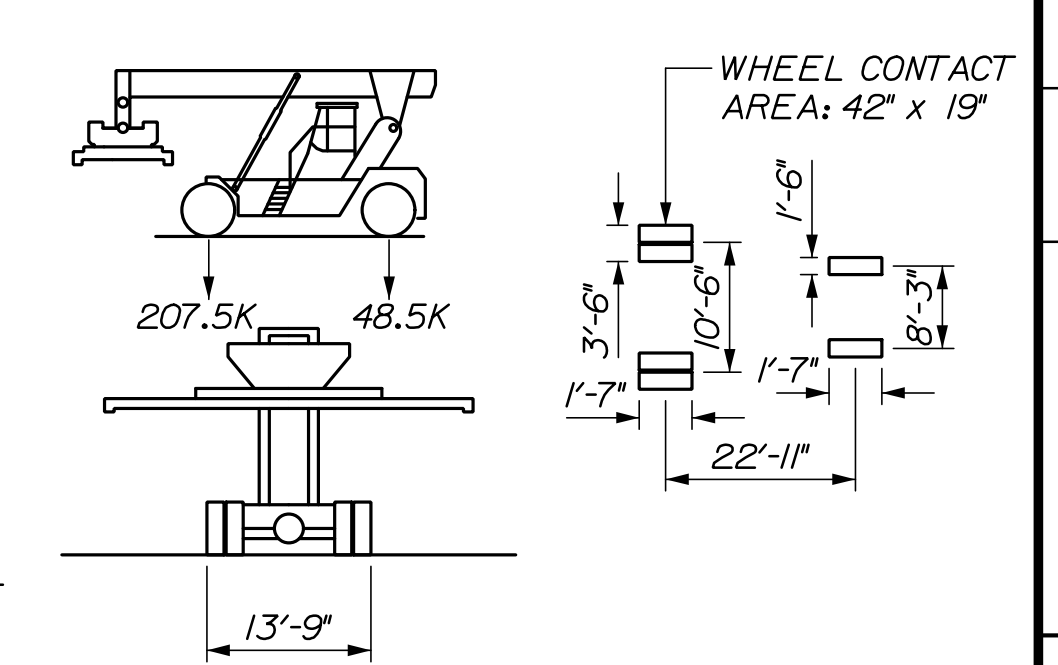
BLDG	BUILDING
CB	CATCH BASIN
CIP	CAST-IN-PLACE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CY	CUBIC YARD
DIA	DIAMETER
EA	EACH
EF	EACH FACE
EL	ELEVATION IN FEET
EW	EACH WAY
EXP. JT.	EXPANSION JOINT
FFE	FIRST FLOOR ELEVATION
FS	FAR SIDE
HDG	HOT DIPPED GALVANIZED
HSS	HOLLOW STRUCTURAL SECTIONS
ID	INSIDE DIAMETER
IMT	INTERNATIONAL MARINE TERMINAL
K (KIP)	1000 POUNDS
LBS	POUNDS
LF	LINEAR FEET
MAX	MAXIMUM
MIL	.001 INCHES
MIN.	MINIMUM
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
PSF	POUNDS PER SQUARE FOOT
R	RADIUS
REF	REFERENCE
REQ'D	REQUIRED
SF	SQUARE FEET
SS	STAINLESS STEEL
STD	STANDARD
SWL	SAFE WORKING LOAD
TBM	TEMPORARY BENCHMARK
TEMP	TEMPORARY
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED

LEGEND:

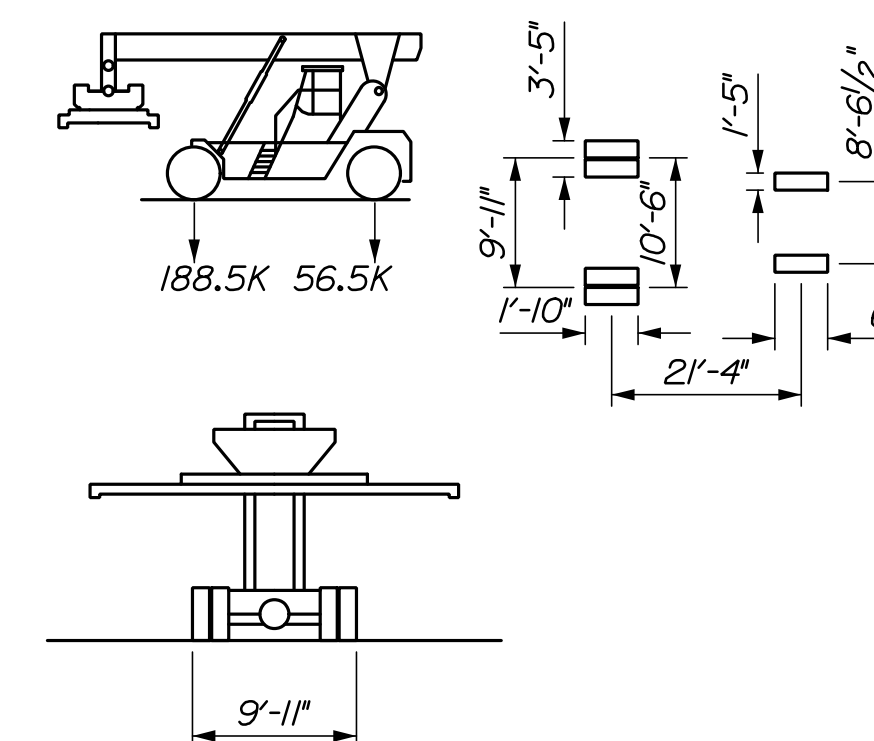
	PLATE
	CENTER LINE
	REINFORCING BAR SIZE
	SPOT ELEVATION (FEET)
	PROJECT BENCHMARK
	TEST BORINGS
	FIRE HYDRANT
	UNDERGROUND ELECTRIC BOX
	EXISTING LIGHT POLE
	PROPOSED LIGHT POLE
	HARDWOOD TREE
	SANITARY MANHOLE
	WATER GATE
	CATCH BASIN
	DRAIN MANHOLE
	MANHOLE
	TELEPHONE MANHOLE
	ELECTRICAL MANHOLE
	EXISTING CHAIN LINK FENCE
	GUARD RAIL
	ELECTRIC LINES
	SANITARY SEWER
	STORM DRAIN
	TELEPHONE
	WATER
	GAS
	CURBING
	RAILROAD TRACKS
	BEDROCK
	CONCRETE
	SAND
	STEEL



DESIGN: HS 25 TRUCK



DESIGN: MI-JACK 50 RS LOADED RAIL STACKER



DESIGN: KALMAR DRF450-65S5 LOADED RAIL STACKER

TIDAL DATA:	NGVD29	MLLW
TOP OF PIER DECK (ALONG EDGE OF DECK)	15.32±	19.84
FIRST FLOOR ELEVATION (FFE), OFFICE BUILDING	13.77	18.29
100 YR FLOOD RECURRENCE FLOOD WAVE ZONE (BFE) (V ZONE)	12.00	16.52
100 YR RECURRENCE FLOOD ZONE (STILL WATER)	10.00	14.52
HIGHEST OBSERVED WATER LEVEL (02/07/78)	9.61	14.13
MEAN HIGHER HIGH WATER (MHHW)	5.39	9.91
MEAN HIGH WATER (MHW)	4.95	9.47
NOTIONAL GEODETIC VERTICAL DATUM (NGVD) 1929	0.00	4.52
MEAN LOW WATER (MLW)	-4.18	0.34
MEAN LOWER LOW WATER (MLLW)	-4.52	0.00
LOWEST OBSERVED WATER LEVEL (11/30/55)	-7.97	-3.45

NOAA TIDAL STATION ID: 8418150, PORTLAND, CASCO BAY, MAINE
EPOCH: 1983-2001, UNITS: FEET

Date: 3/6/2018

Username:

Division:

Filename: 002_GeneralNotes (G02).dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP 2194(207)
WIN
021942.07

PROJ. MANAGER	DATE	BY	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	02/18	P. Bishop			
CHECKED-REVIEWED	02/18	C. Martin			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

PORTLAND INTERNATIONAL MARINE TERMINAL	GENERAL NOTES
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT	
TERMINAL GRADING & PAVING	
CUMBERLAND COUNTY	
PORTLAND	

GENERAL NOTES

SHEET NUMBER
G02
2 OF 8



QUANTITY TABLE			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
202.110	Removing, Storing, and Resetting Objects (Fire Pull Box, Keycard Reader)	EA	3
202.01	Remove Utility Pole	LS	1
203.20	Common Excavation	CY	1,420
304.09	Aggregate Base Course - Crushed - Type A	CY	670
304.104	Aggregate Subbase Course - Gravel - Type D	CY	340
403.2071	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size (Polymer Modified), Base	TON	580
403.2081	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Polymer Modified), Surface	TON	1,370
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course, Polymer Modified)	TON	140
409.15	Bituminous Tack Coat, Applied	Gal	1020
419.30	Saw Cutting Bituminous Pavement	LF	650
504.7011	Install 20-ft Tall Utility Pole	LS	1
604.18	Adjusting Manhole or Catch Basin to Grade	EA	18
607.1701	Temporary Chain Link Fence - 6 Ft, Moveable	LF	115
607.232	Chain Link Fence Gate - 3 ft	EA	1
607.4911	Motorized Slide Gate - 24 Feet	EA	1
607.4927	Remove Motorized Slide Gate, 20-ft, Chain Link	EA	1
626.332	36-inch Diameter Foundation	CY	2
626.74	Panelboard	LS	1
626.742	Fire Alarm Pull Station	LS	1
626.743	Card Reader	LS	1
626.744	Fiber Optic Cable	LS	1
639.18	Field Office, Type A	EA	1
656.75	Temporary Soil Erosion and Water Pollution Control	LS	1
659.10	Mobilization	LS	1

SHEET NUMBER
G03



PORTLAND INTERNATIONAL MARINE TERMINAL
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT
TERMINAL GRADING & PAVING
PORTLAND
CUMBERLAND COUNTY
QUANTITY SHEET

PROJ. MANAGER	DATE
DESIGN-DETAILED	02/18
CHECKED-REVIEWED	02/18
DESIGN-DETAILED2	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BY
P. Bishop
C. Marin

SIGNATURE
P.E. NUMBER
DATE

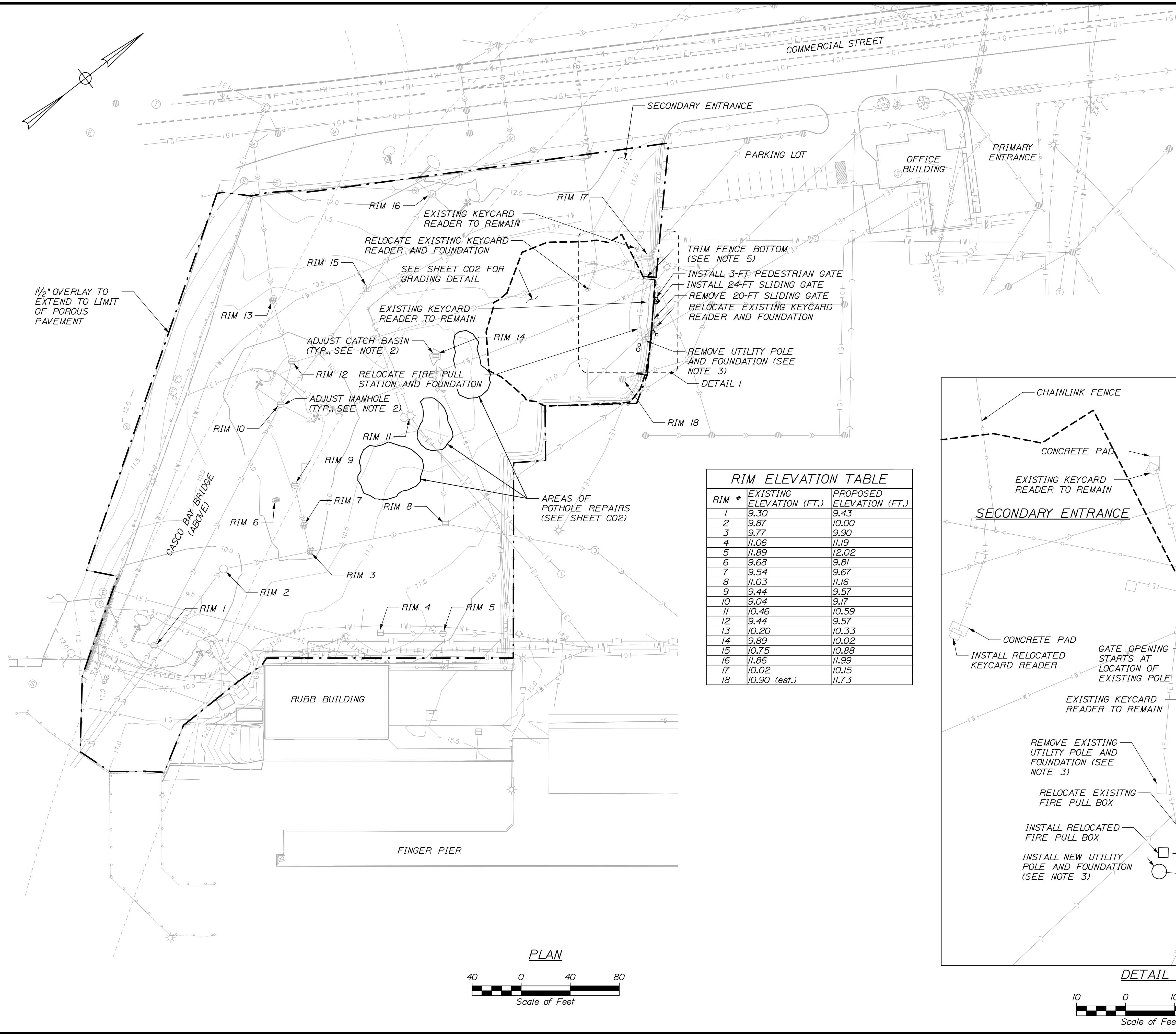
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP 2194(207)
WIN
021942.07

Date: 3/6/2018

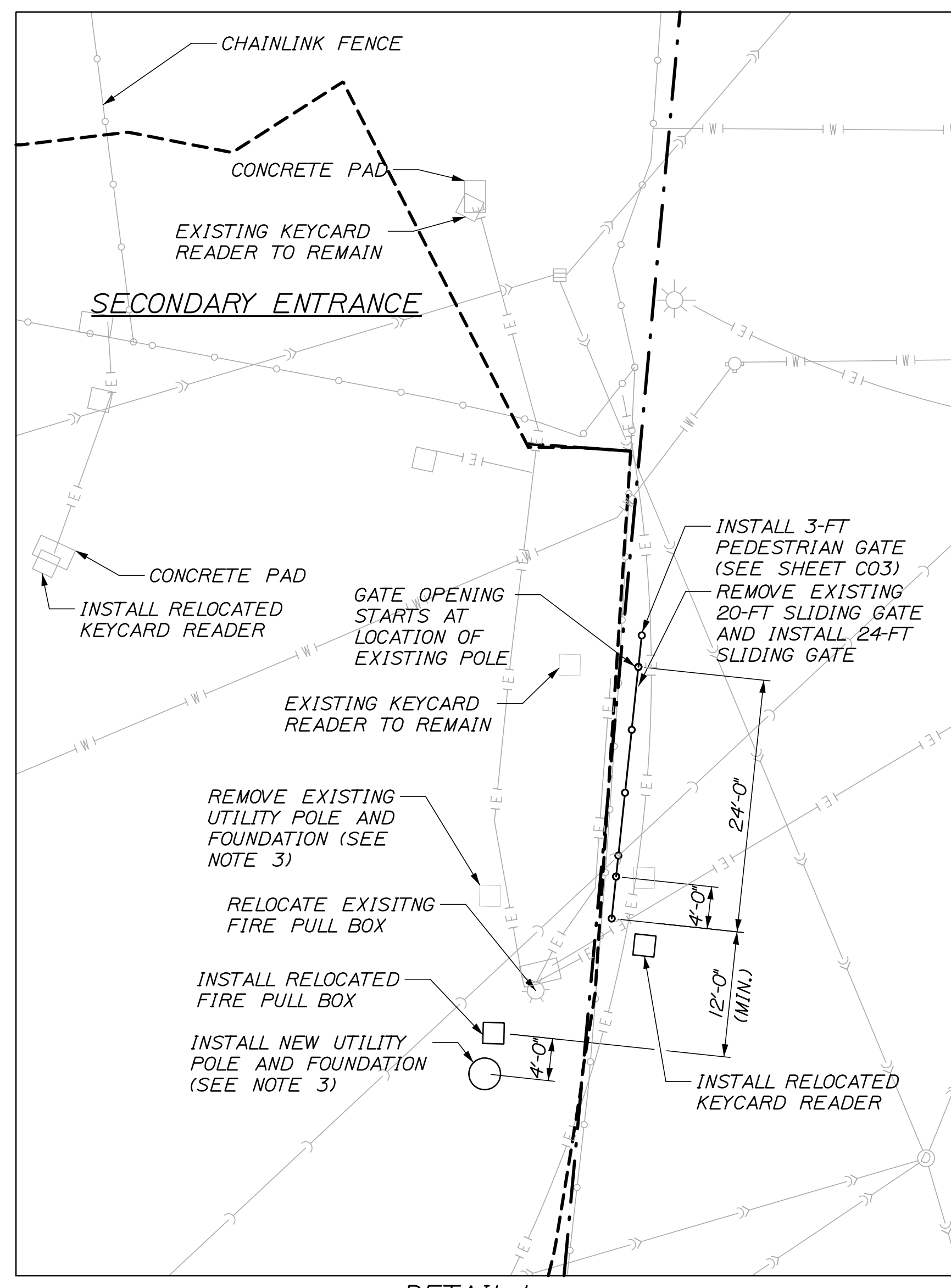
Username:

Division:

Filename: 004_Site Plan(C01).dgn



RIM ELEVATION TABLE		
RIM #	EXISTING ELEVATION (FT.)	PROPOSED ELEVATION (FT.)
1	9.30	9.43
2	9.87	10.00
3	9.77	9.90
4	11.06	11.19
5	11.89	12.02
6	9.68	9.81
7	9.54	9.67
8	11.03	11.16
9	9.44	9.57
10	9.04	9.17
11	10.46	10.59
12	9.44	9.57
13	10.20	10.33
14	9.89	10.02
15	10.75	10.88
16	11.86	11.99
17	10.02	10.15
18	10.90 (est.)	11.73



LEGEND:

- - - PERIMETER OF REGION TO RECEIVE 1/2" BITUMINOUS SURFACE COURSE OVERLAY
- - - FULL DEPTH RECONSTRUCTION WITH 30" AGGREGATE SUBBASE AND BITUMINOUS PAVEMENT LIMITS PER DETAIL ON SHEET C02

NOTES:

- CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- ADJUST RIM ELEVATIONS TO ACCOUNT FOR FINAL 1/2" SURFACE COURSE OVERLAY AT FINAL PAVING. RIM ELEVATIONS SHALL BE RAISED TO THE PROPOSED ELEVATION SHOWN IN THE RIM ELEVATION TABLE.
- THE EXISTING UTILITY POLE FOUNDATION MAY BE REUSED FOR THE PROPOSED UTILITY POLE IF DEEMED ACCEPTABLE BY THE RESIDENT ENGINEER UPON ITS REMOVAL.
- THE CONTRACTOR SHALL ENSURE THE FINAL 1/2" SURFACE COURSE OVERLAY TRANSITIONS SMOOTHLY FROM THE DOMESTIC LOT TO THE POROUS PAVEMENT AND FENCE ALONG COMMERCIAL STREET.
- TRIM BOTTOM OF CHAINLINK FENCE AS NEEDED TO ACCEPT PAVEMENT. INCIDENTAL TO CONTRACT.

**STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP 2194(207)**

**WIN
021942.07**

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
	J. Burns	J. Burns						
BY	P. Bishop	C. Morin						
DATE	02/18	02/18						
								SIGNATURE
								P.E. NUMBER
								DATE

**PORTLAND INTERNATIONAL MARINE TERMINAL
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT
TERMINAL GRADING & PAVING
CUMBERLAND COUNTY**

PORTLAND

SITE PLAN

SHEET NUMBER
C01

4 OF 8

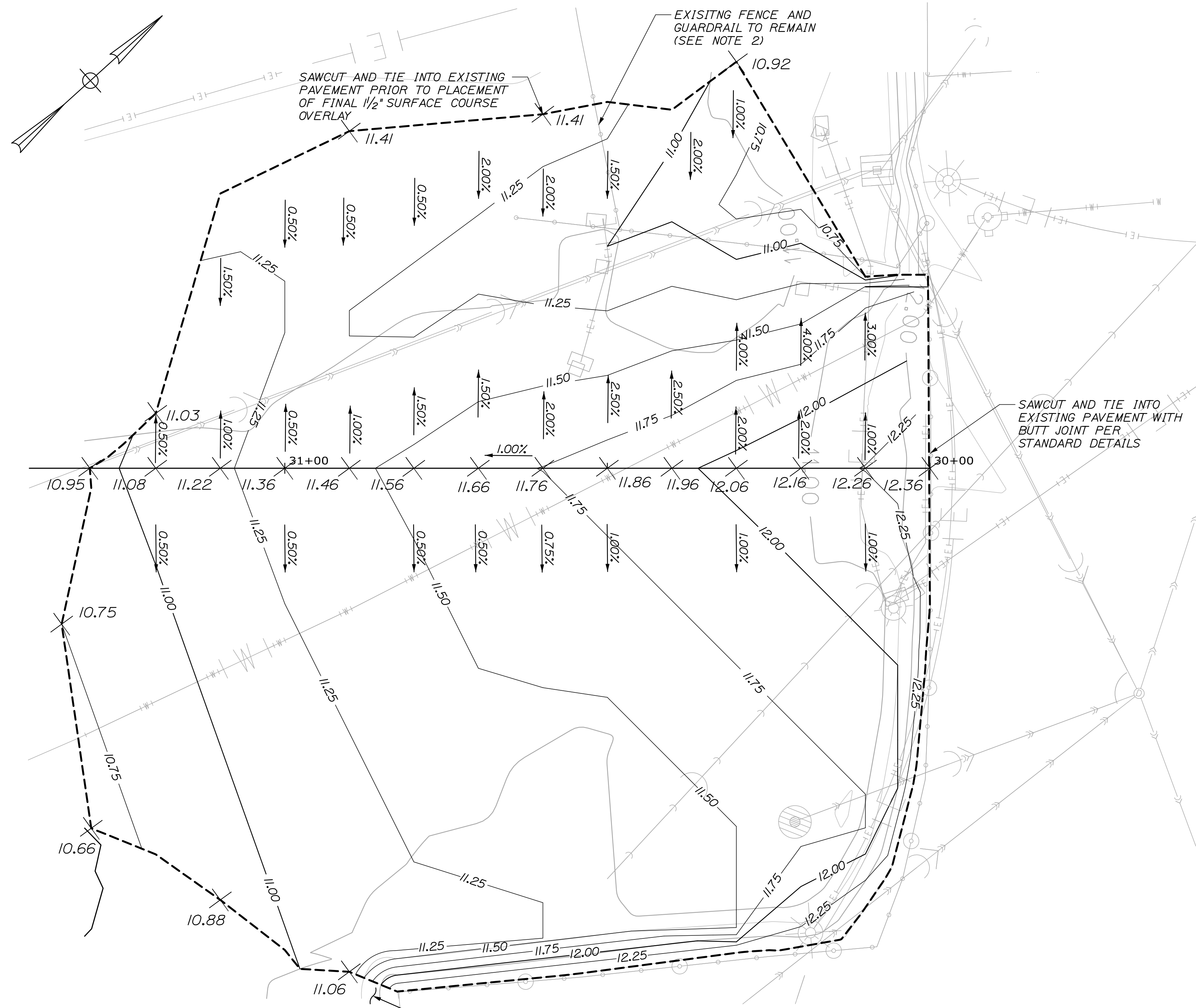


Date: 3/6/2018

Username:

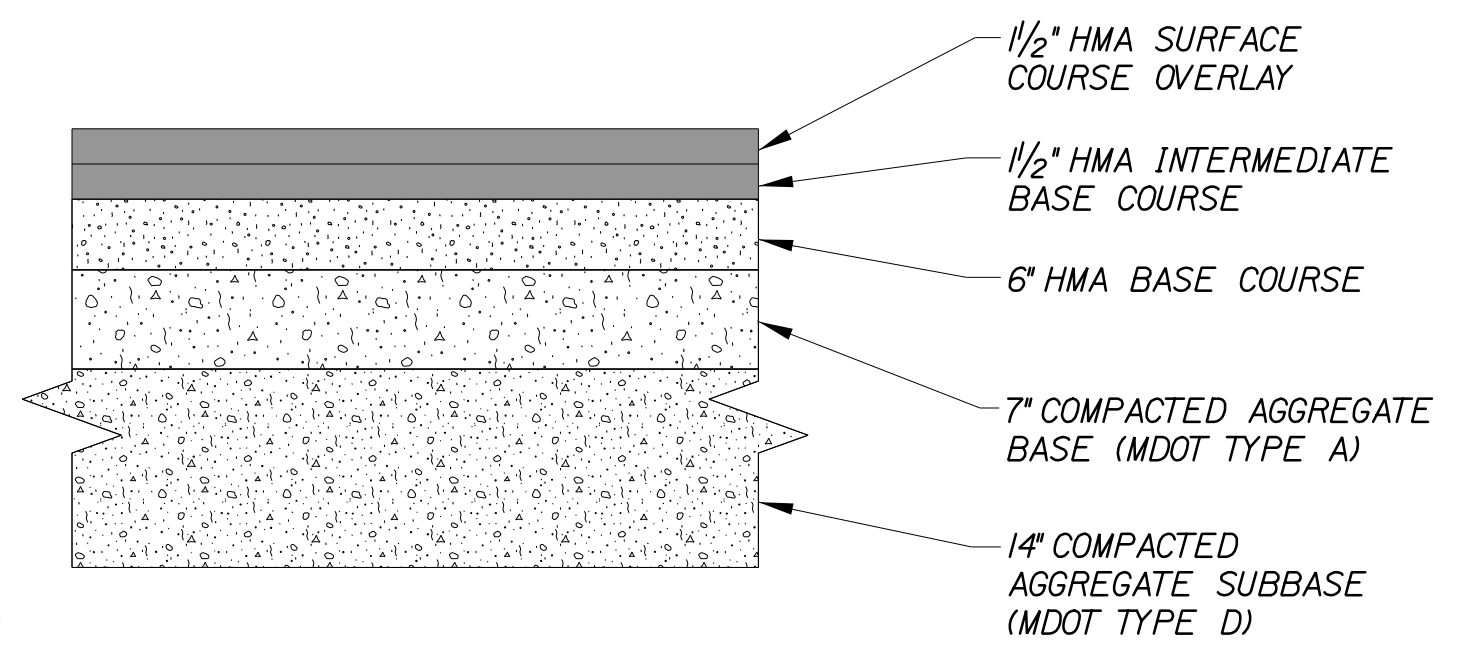
Division:

Filename: 005_Site Grading Plan (C02).dgn

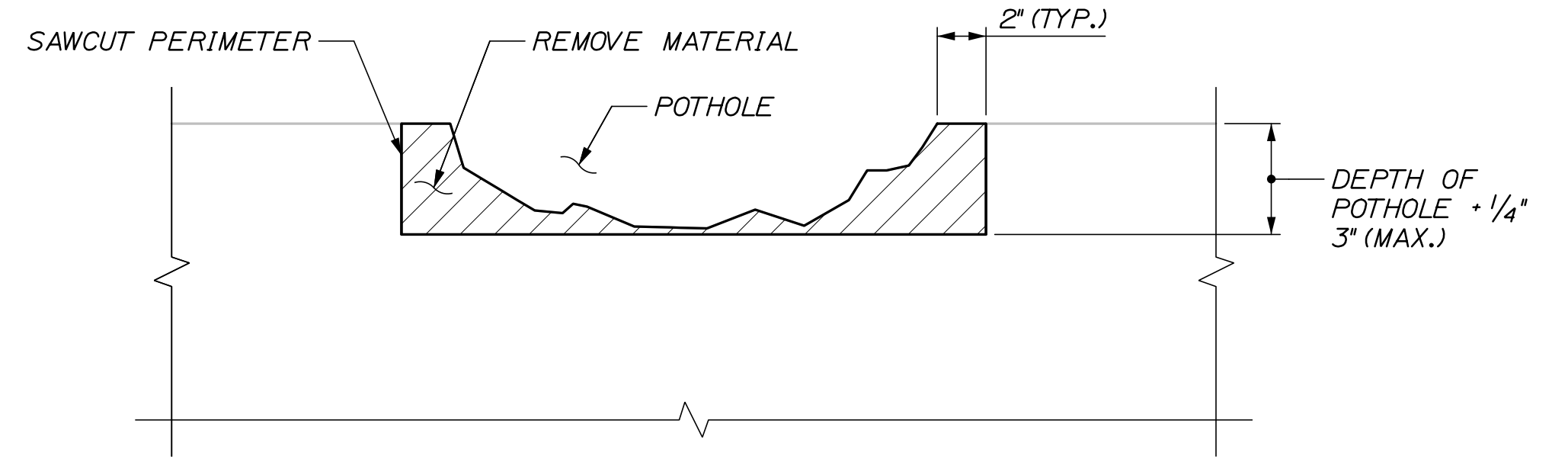


NOTES:

1. SPOT ELEVATIONS AND CONTOURS SHOWN ON GRADING PLAN ARE PRIOR TO PLACEMENT OF FINAL 1/2" SURFACE COURSE OVERLAY.
2. FOR SECURITY REASONS, THE EXISTING FENCE AND GUARDRAIL SHALL REMAIN IN PLACE DURING CONSTRUCTION. TEMPORARY REMOVALS (AND RESETTling) MIGHT BE POSSIBLE AT THE PORT AUTHORITY'S DISCRETION TO FACILITATE PAVEMENT INSTALLATION.



NEW PAVEMENT DETAIL
NOT TO SCALE



PAVEMENT POT HOLE REPAIR SECTION

PAVEMENT POT HOLE REPAIR PROCEDURE:

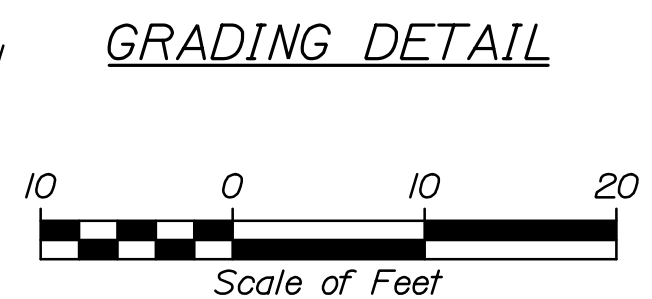
1. PRIOR TO THE START OF THE POT HOLE REPAIR, THE RESIDENT AND THE CONTRACTOR SHALL AGREE ON THE SQUARE FOOTAGE OF REPAIRS TO BE PERFORMED. MARK THE AREAS TO BE REMOVED.
2. MILL THE PAVEMENT TO THE DEPTH AND WIDTH SHOWN AND CLEAN OF LOOSE MATERIAL, DIRT, VEGETATION, AND OTHER DEBRIS. LOOSE MATERIALS SHALL BE REMOVED FROM THE PAVEMENT SURFACE.
3. APPLY HOT RUBBERIZED ASPHALT TO THE VERTICAL SURFACES AND BITUMINOUS TACK COAT TO THE HORIZONTAL SURFACE.
4. FILL THE MILLED AREA WITH HOT BITUMINOUS PAVEMENT, 12.5 MM IN CONFORMANCE WITH STANDARD SPECIFICATIONS SECTION 401.

MATERIALS:

- HOT RUBBER ASPHALT
 1. ASTM D6690 TYPE IV
- HOT MIX ASPHALT
 1. 12.5mm AND SECTIONS 401 AND 403
- BITUMINOUS TACK COAT
 1. CONFORM TO MAINEDOT SECTION 409

REPAIR AREA QUANTITIES (EST.)

- A1 = 100 SF 10FT X 10FT
- A2 = 225 SF 15FT X 15FT
- A3 = 400 SF 20FT X 20FT



TIE INTO EXISTING 1:1 PAVED SLOPE IN THIS AREA

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP 2194(207)		WIN 021942.07	
DATE	02/18	BY	P. Bishop C. Morin	SIGNATURE	
PROJ. MANAGER	A. Sweet	CHECKED-REVIEWED	L. Driscoll	DESIGN-DETAILED	
DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		REVISIONS 5		REVISIONS 6	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
PORTLAND INTERNATIONAL MARINE TERMINAL MAINE INTERMODAL PORT PRODUCTIVITY PROJECT TERMINAL GRADING & PAVING CUMBERLAND COUNTY			SHEET NUMBER C02		
PORTLAND			5 OF 8		

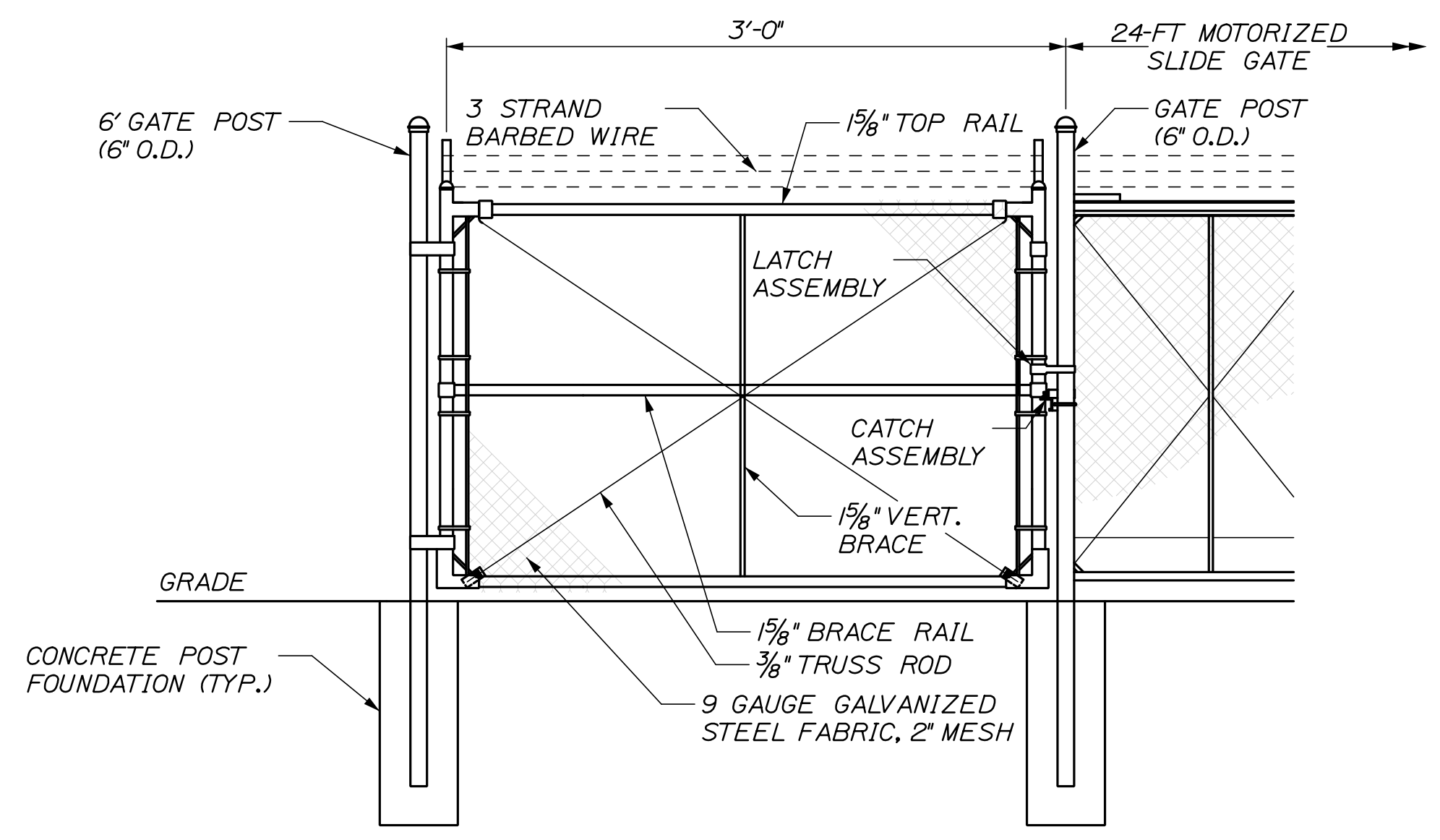


Date: 3/6/2018

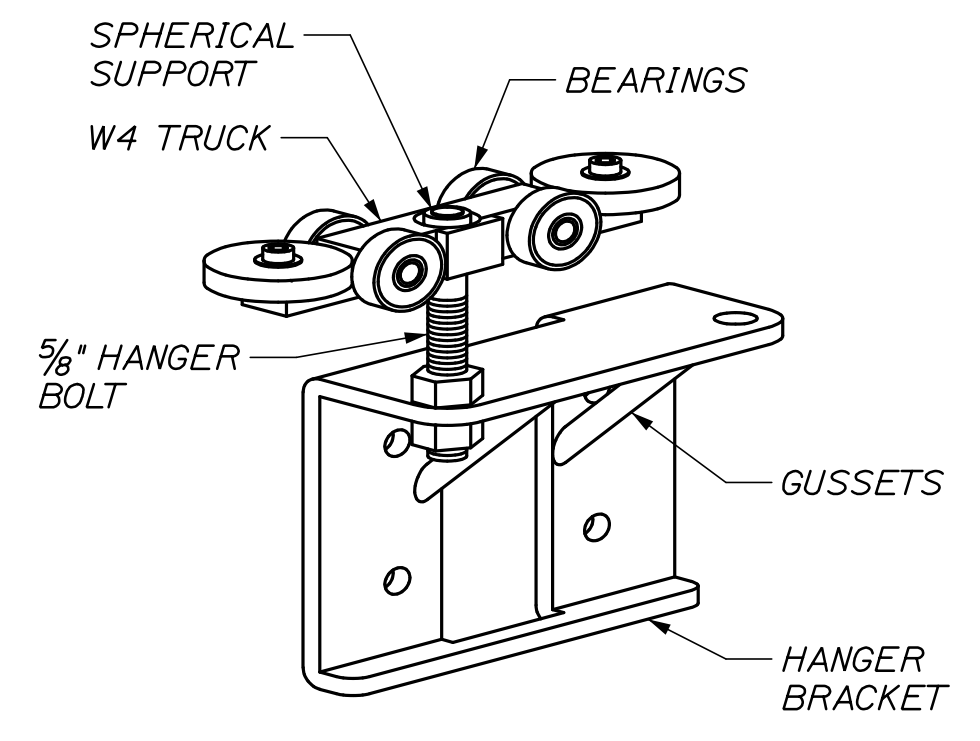
Username:

Division:

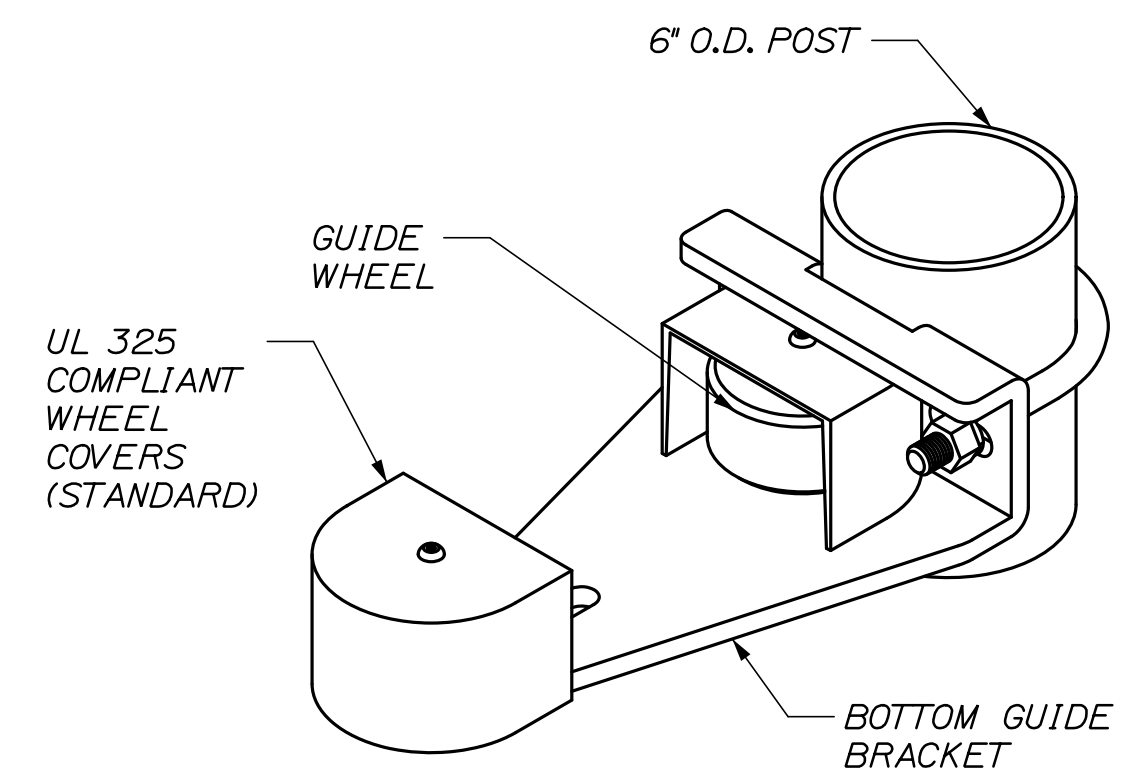
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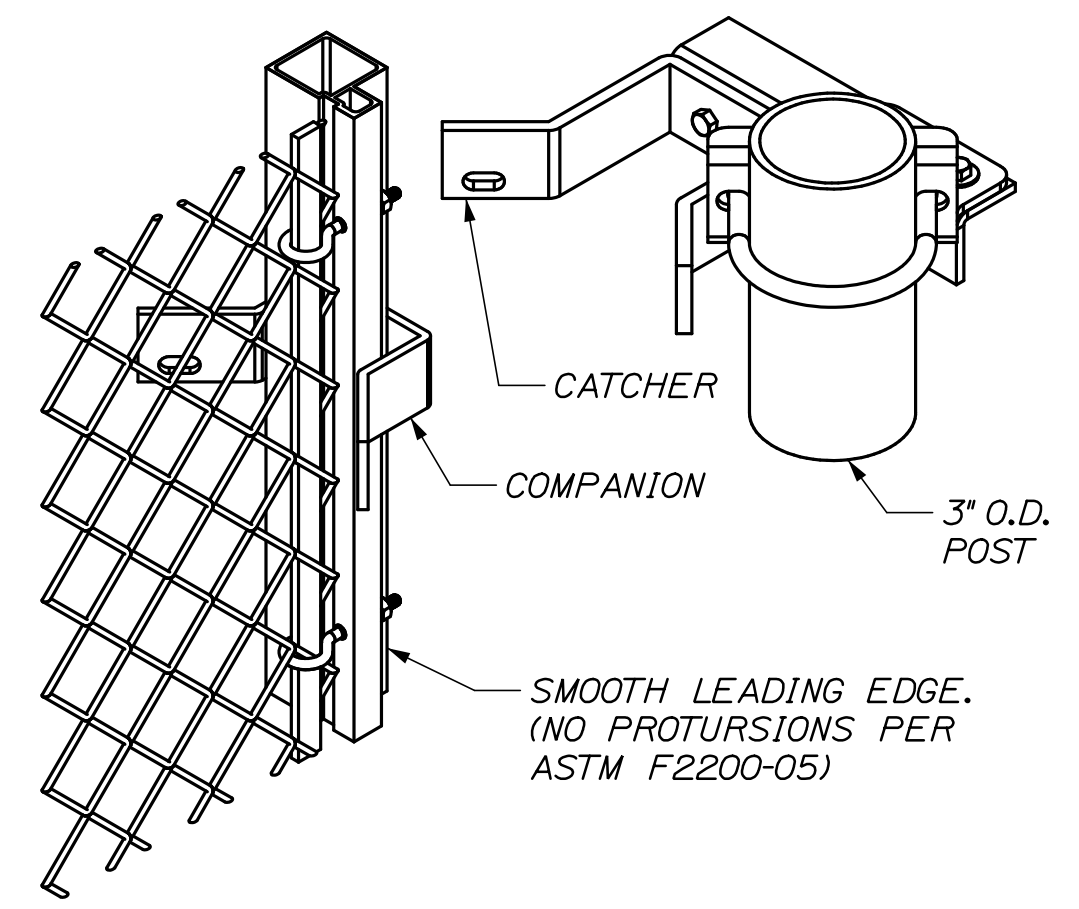
PEDESTRIAN GATE DETAIL
N.T.S.



GATE HANGER
ASSEMBLY DETAIL
N.T.S.

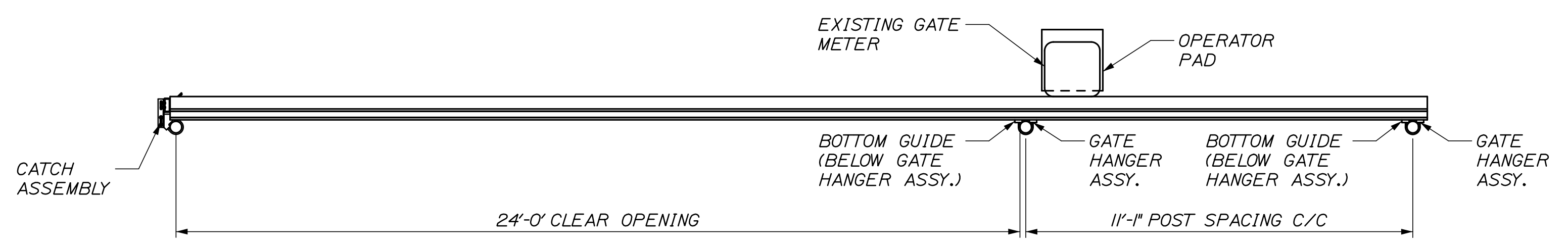


BOTTOM GUIDE DETAIL
N.T.S.

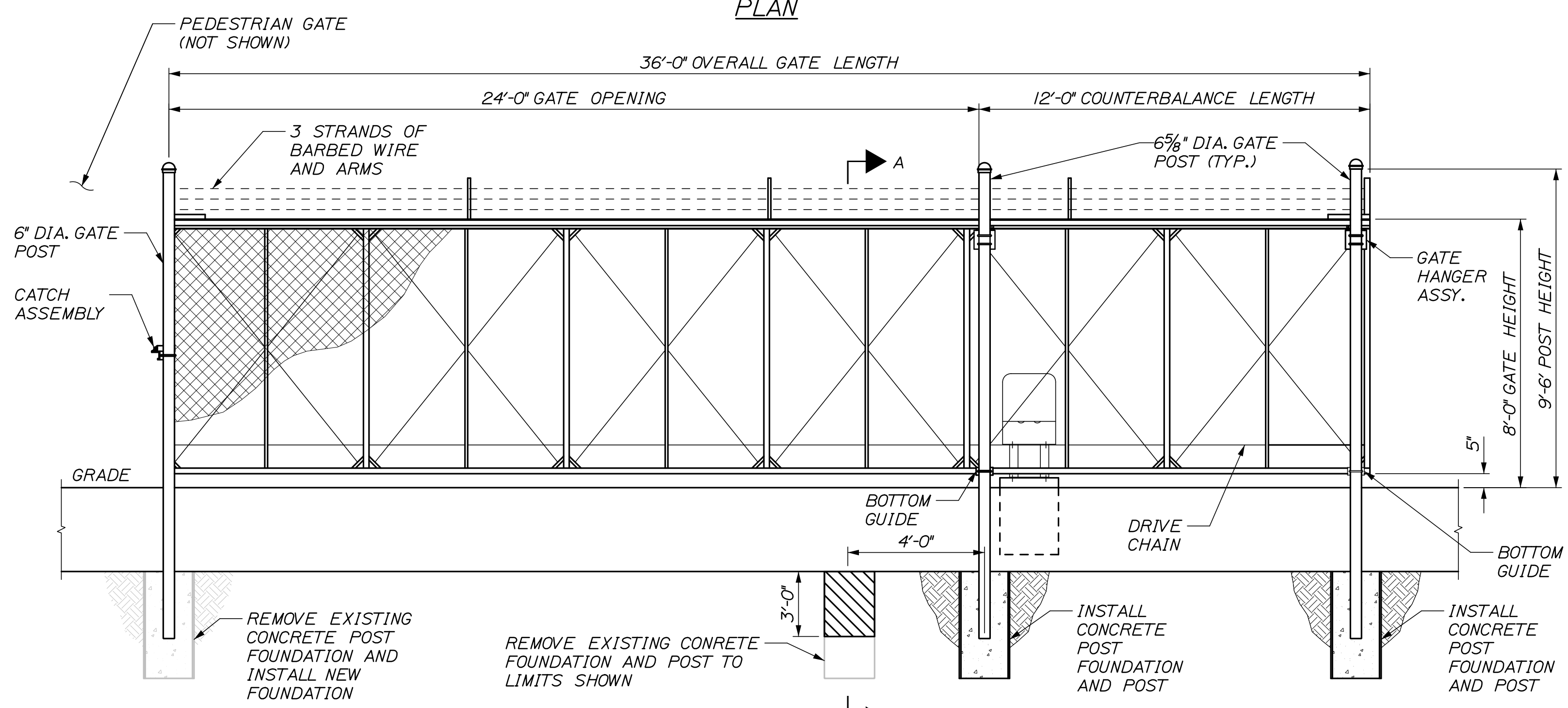


CATCH ASSEMBLY DETAIL
N.T.S.

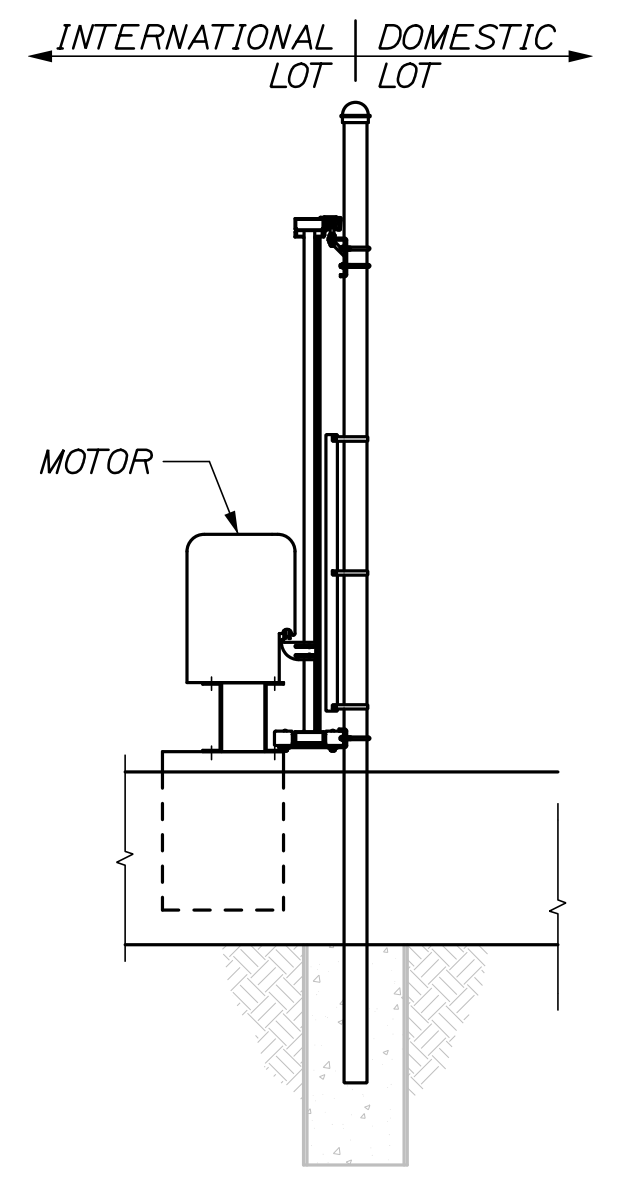
MOTORIZED SLIDING GATE NOTES:
 1. INSTALLATION OF MOTOR AND CONCRETE FOUNDATION SHALL BE INCIDENTAL TO THE SLIDING GATE PAY ITEM.



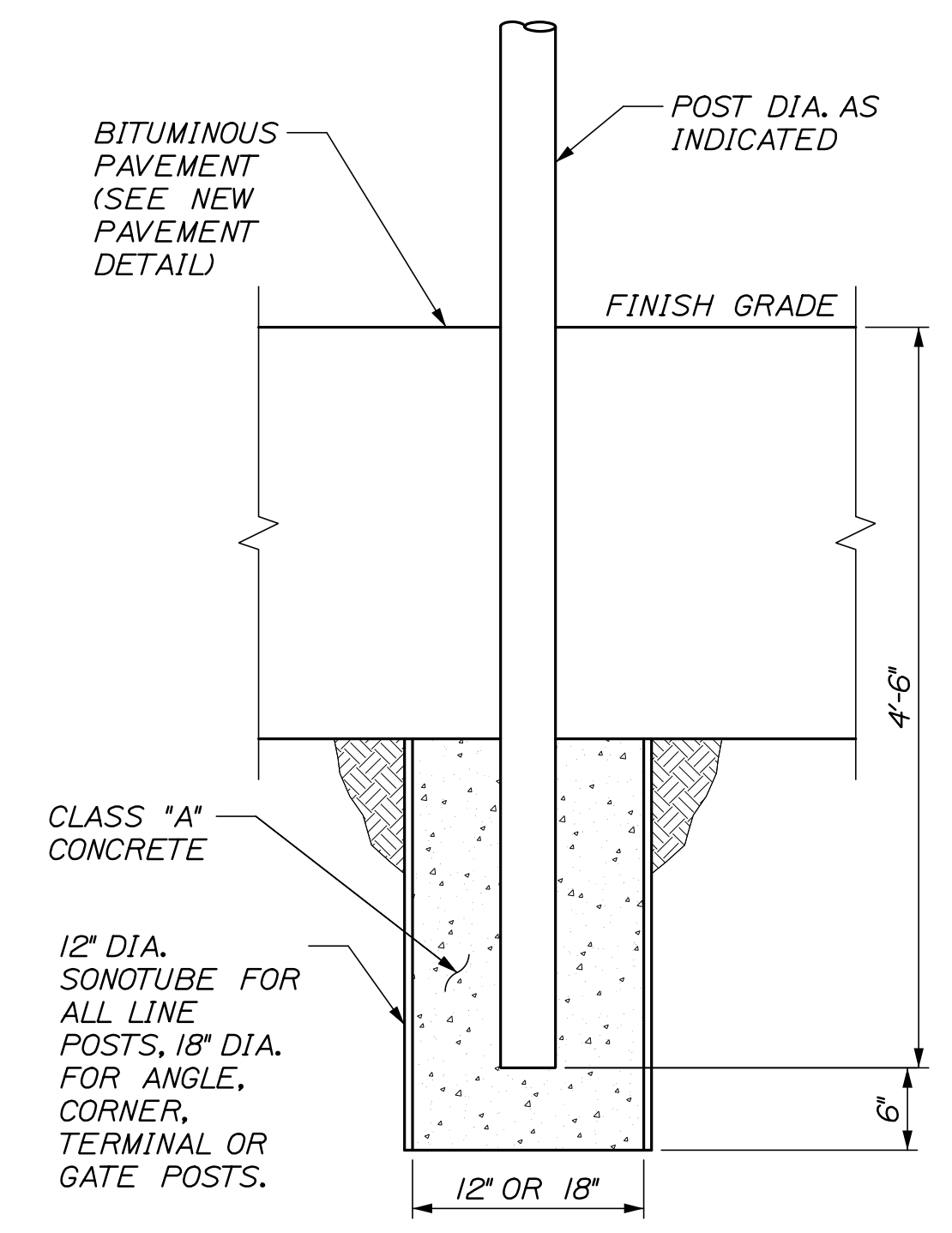
PLAN



24'-0" SLIDE GATE DETAIL
N.T.S.



SECTION A-A



FENCE/GATE POST DETAIL
N.T.S.

NOTES:
 1. ALL POSTS ARE NOMINAL PIPE SIZE, SCHEDULE 40, GALVANIZED STEEL.
 2. PATCH ALL PAVEMENT (FOLLOWING CURING OF CONCRETE BASES) TO MATCH EXISTING MATERIAL AND THICKNESS.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP 2194(207)		WIN 021942.07	
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2
J. Burns	J. Burns	J. Burns	J. Burns	REVISIONS 3	REVISIONS 4
BY	DATE	DATE	SIGNATURE	P.E. NUMBER	DATE
P. Bishop C. Morin	02/18	02/18			
PORTLAND INTERNATIONAL MARINE TERMINAL MAINE INTERMODAL PORT PRODUCTIVITY PROJECT TERMINAL GRADING & PAVING CUMBERLAND COUNTY					
SITE DETAILS					
SHEET NUMBER					
C03					
6 OF 8					

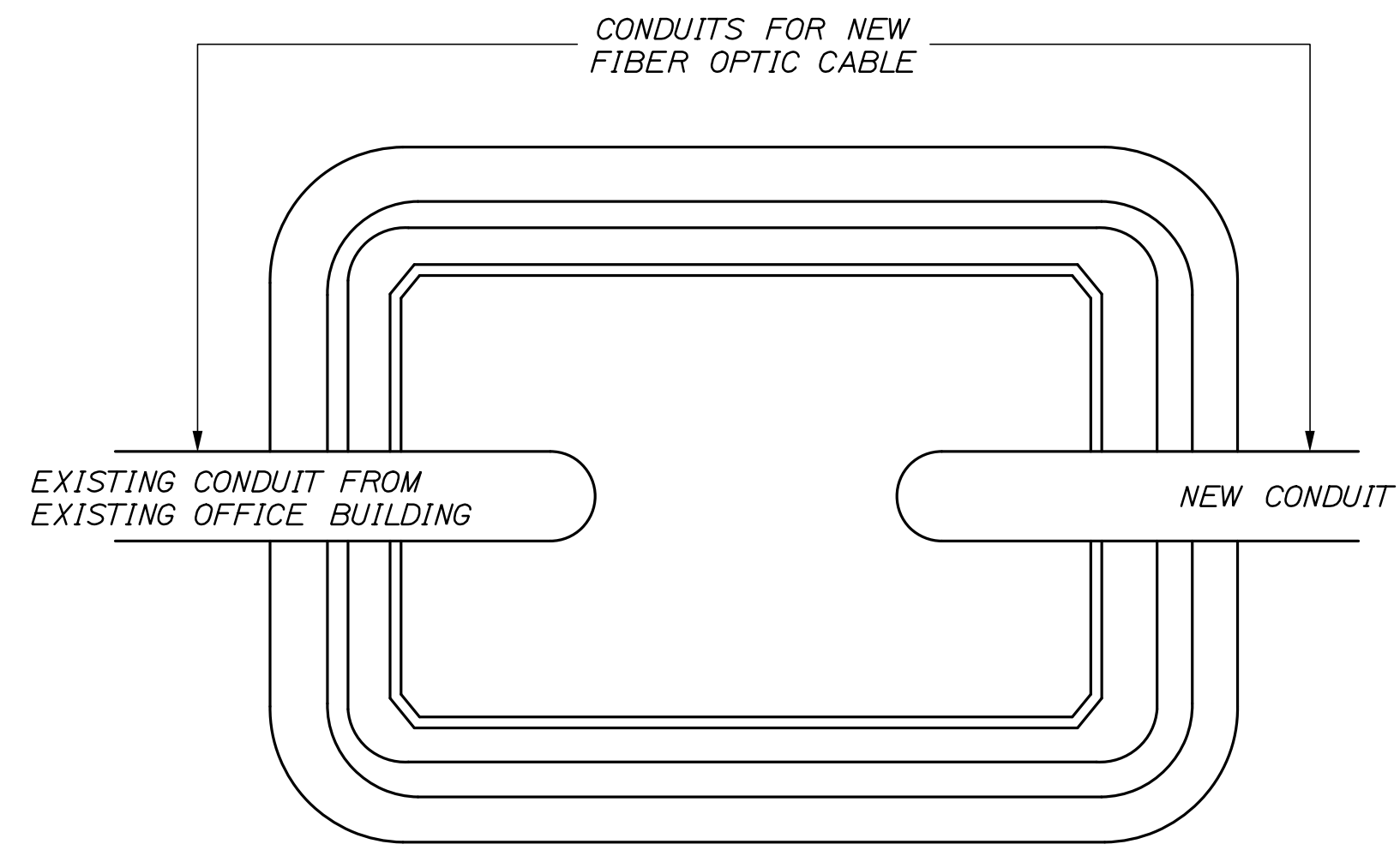


Date: 3/6/2018

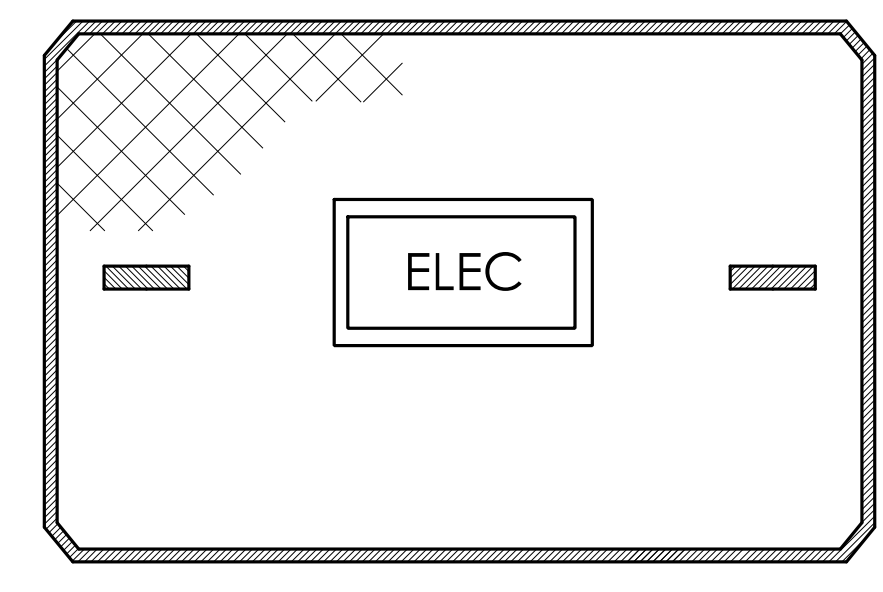
Username:

Division:

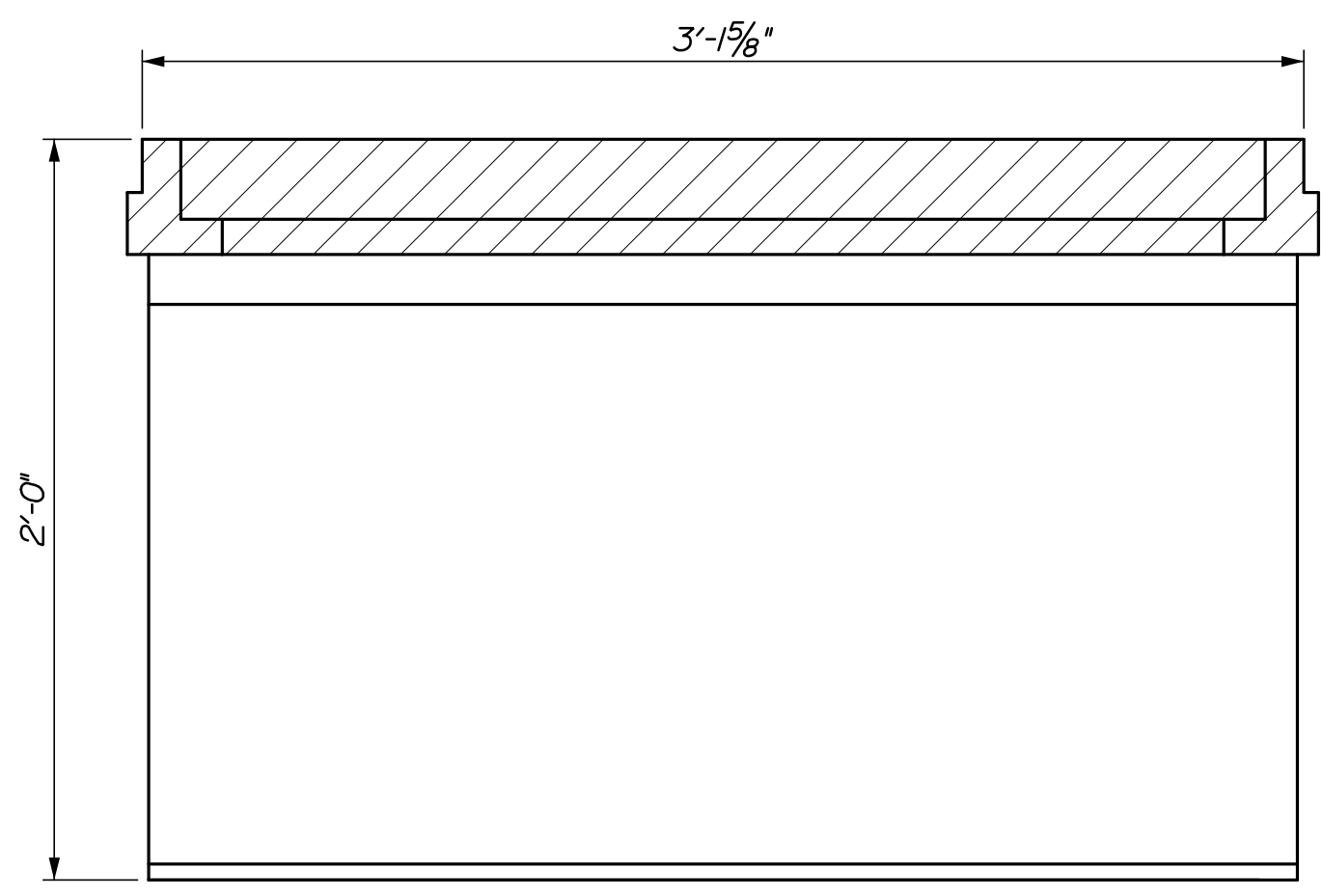
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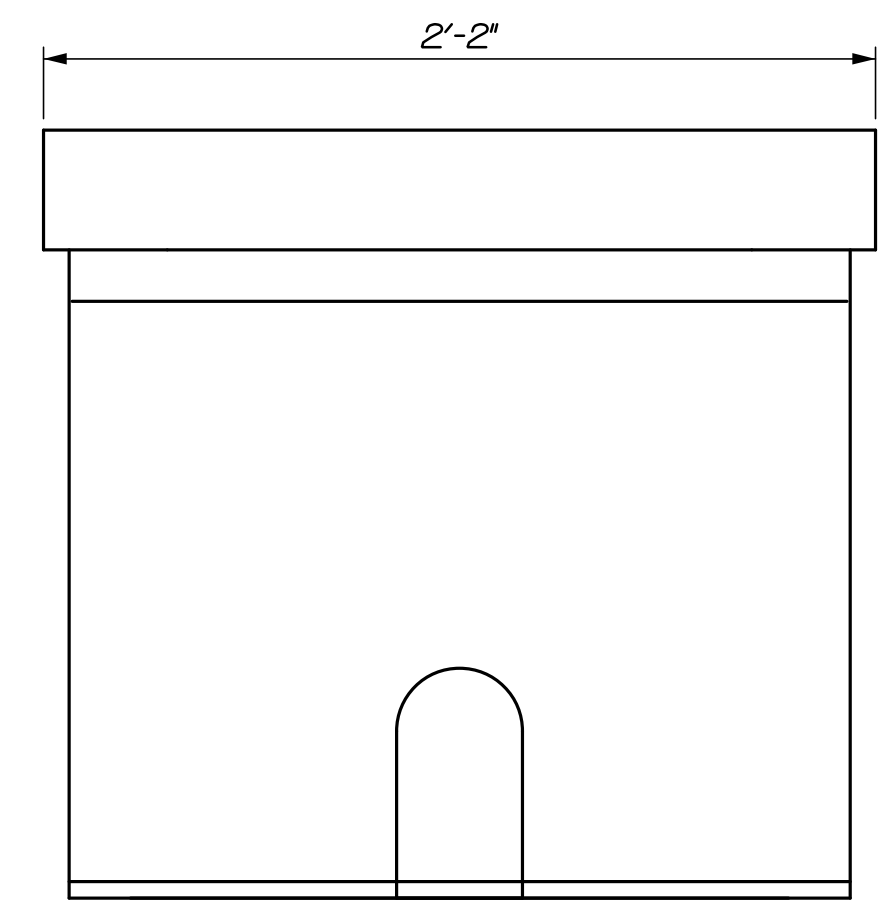
PLAN VIEW



COVER DETAIL



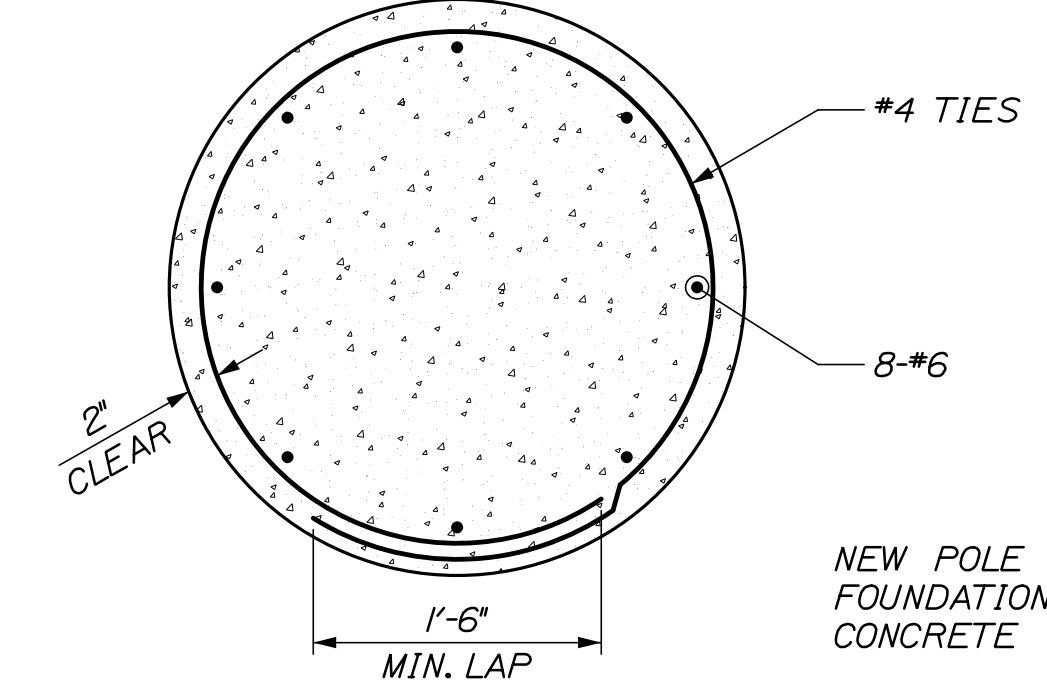
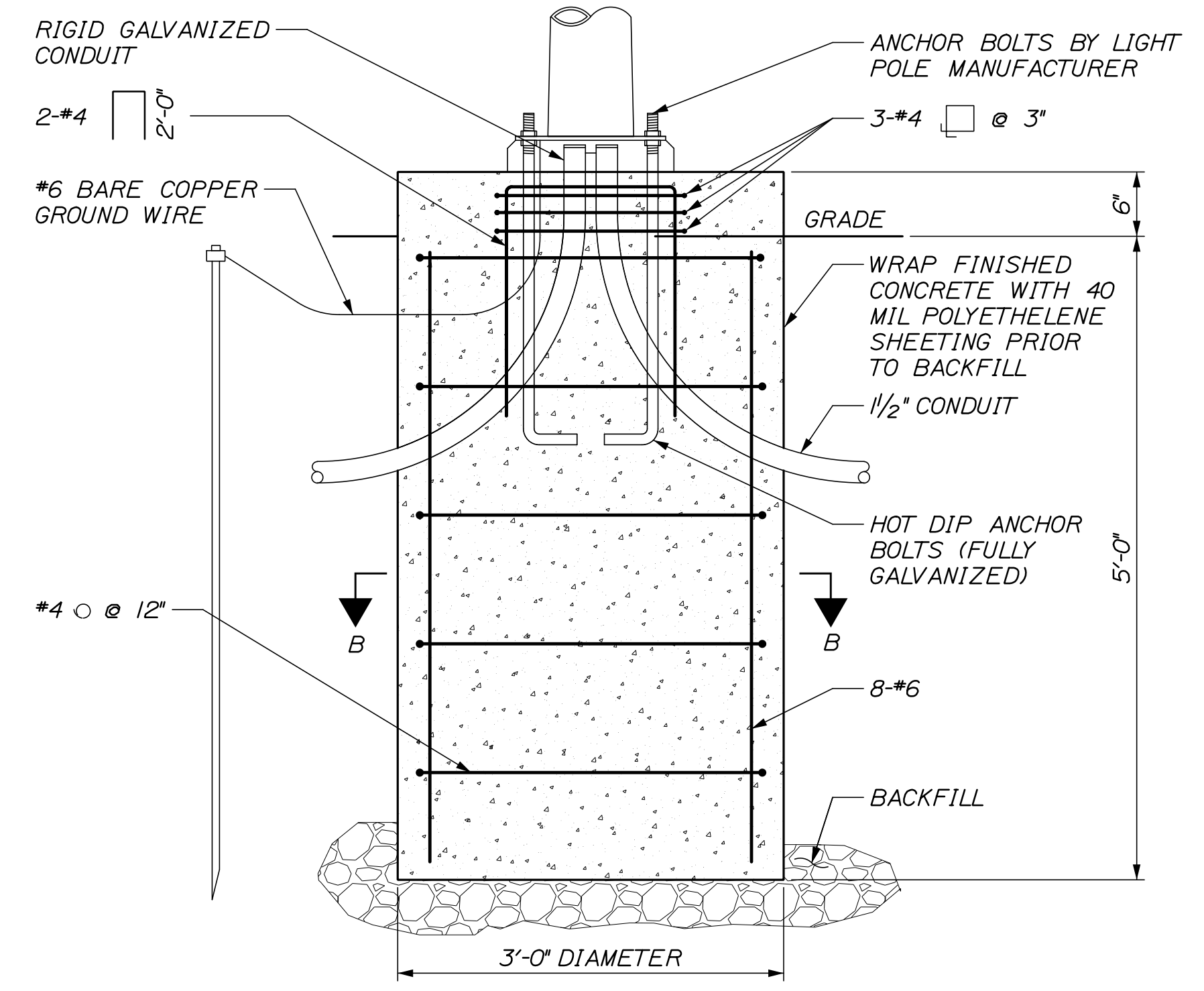
ELEVATION - BOX & COVER
(W/ STRAIGHT WALL)



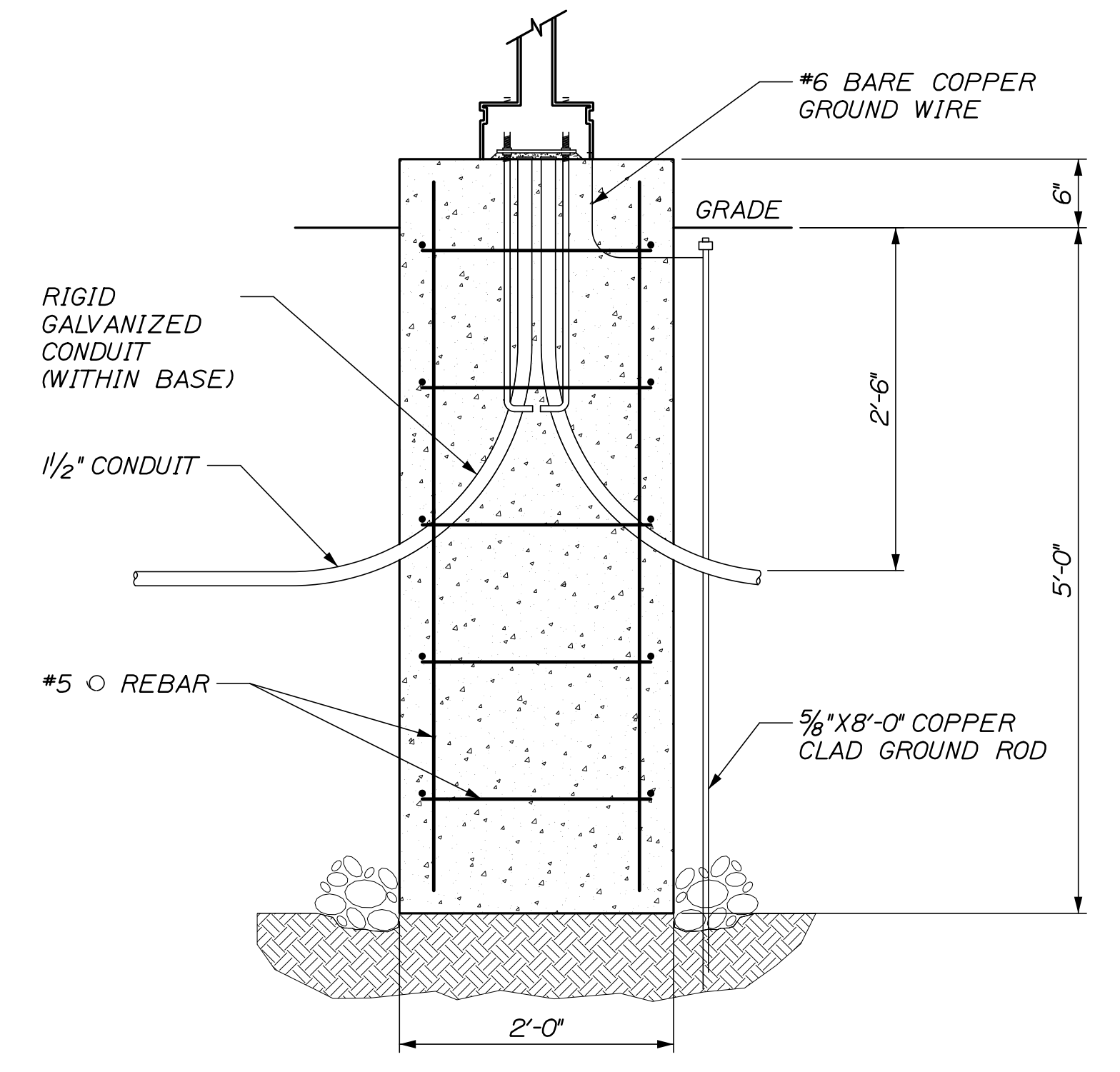
END VIEW

- PULL BOX DETAIL NOTES:**
- BOXES AND COVERS SHALL BE RATED FOR VEHICLE TRAFFIC.
 - PROVIDE 8" GRAVEL BASE MINIMUM UNDER ALL BOXES.

IN-GROUND BOX DETAILS
SCALE: 2" = 1'-0"



SECTION B-B
UTILITY POLE AND FOUNDATION DETAIL
N.T.S.



FIRE PULL BOX FOUNDATION DETAIL
N.T.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP 2194(207)
WIN
021942.07

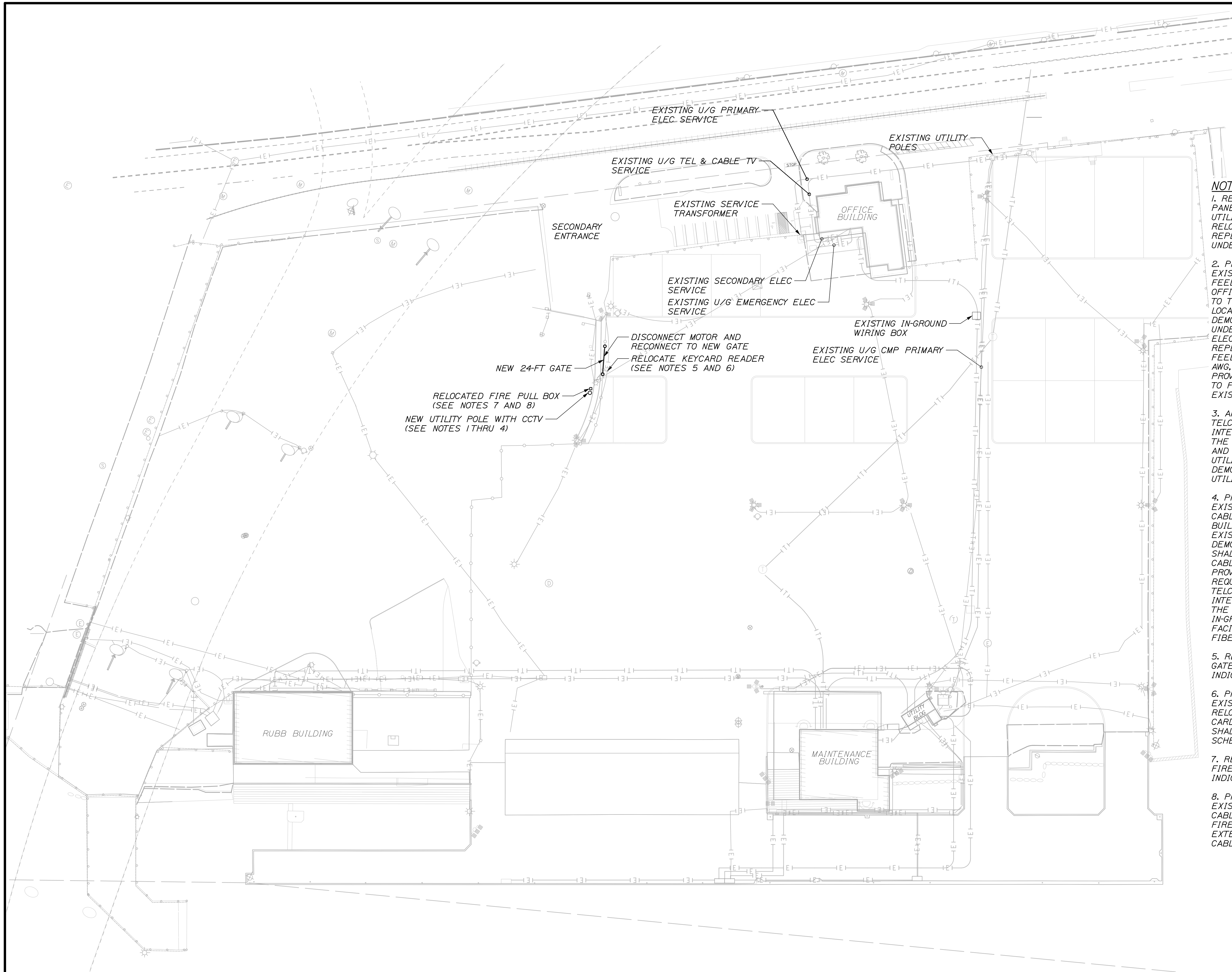
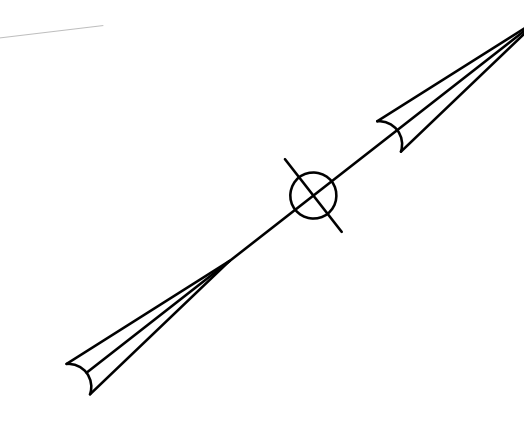
PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	02/18	P. Bishop	02/18
CHECKED-REVIEWED	02/18	C. Martin	02/18
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

PORTLAND INTERNATIONAL MARINE TERMINAL
MAINE INTERMODAL PORT PRODUCTIVITY PROJECT
TERMINAL GRADING & PAVING
CUMBERLAND COUNTY
PORTLAND
MISCELLANEOUS DETAILS

SHEET NUMBER
C04
7 OF 8





- NOTES:**
1. RELOCATE THE EXISTING ELECTRICAL PANELBOARD THAT IS INSTALLED ON THE UTILITY POLE TO BE DEMOLISHED. RELOCATE THE PANEL TO THE ADJACENT REPLACEMENT POLE BEING PROVIDED UNDER THIS CONTRACT.
 2. PROVIDE AN EXTENSION OF THE EXISTING UNDERGROUND ELECTRICAL FEEDER THAT ORIGINATES IN THE OFFICE BUILDING AND PRESENTLY RUNS TO THE EXISTING ELECTRICAL PANEL LOCATED ON THE UTILITY POLE TO BE DEMOLISHED. EXTEND THE FEEDER UNDERGROUND TO THE RELOCATED ELECTRICAL PANELBOARD ON THE REPLACEMENT UTILITY POLE. THE FEEDER EXTENSION SHALL BE (3) #4 AWG, IN A 2" PVC SCHED 40 CONDUIT. PROVIDE AN IN-GROUND ELECTRICAL BOX TO FACILITATE THE EXTENSION OF THE EXISTING PANEL FEEDER.
 3. ARRANGE WITH THE OWNER'S TELCOM/SECURITY CONSULTANT GALAXIE INTEGRATED TECHNOLOGIES TO RELOCATE THE EXISTING SURVEILLANCE CAMERAS AND TRANSMITTER FROM THE EXISTING UTILITY POLE THAT IS TO BE DEMOLISHED TO THE REPLACEMENT UTILITY POLE.
 4. PROVIDE A REPLACEMENT OF THE EXISTING UNDERGROUND FIBER OPTIC CABLE THAT ORIGINATES IN THE OFFICE BUILDING AND EXTENDS TO THE EXISTING UTILITY POLE THAT IS TO BE DEMOLISHED. THE FIBER OPTIC CABLE SHALL BE 12 STRAND MULTIMODE. THE CABLE SHALL NOT HAVE SPLICES. PROVIDE 2" PVC SCHED 40 CONDUIT AS REQUIRED. ARRANGE WITH THE OWNER'S TELCOM/SECURITY CONSULTANT GALAXIE INTEGRATED TECHNOLOGIES TO MAKE THE CABLE CONNECTIONS. PROVIDE AN IN-GROUND ELECTRICAL BOX TO FACILITATE THE EXTENSION OF THE FIBER OPTIC CABLE.
 5. RELOCATE THE EXISTING POST AND GATE ENTRANCE CARD READER AS INDICATED ON THE PLAN.
 6. PROVIDE AN EXTENSION OF THE EXISTING UNDERGROUND CABLE TO THE RELOCATED EXISTING GATE ENTRANCE CARD READER. THE CABLE EXTENSION SHALL BE 4-PAIR CAT6 IN A 1" PVC SCHED 40 CONDUIT.
 7. RELOCATE THE EXISTING POST AND FIRE ALARM PULL STATION AS INDICATED ON THE PLAN.
 8. PROVIDE AN EXTENSION OF THE EXISTING UNDERGROUND FIRE ALARM CABLE TO THE RELOCATED EXISTING FIRE ALARM PULL STATION. THE CABLE EXTENSION SHALL BE FIRE ALARM CABLE TO MATCH THE EXISTING CABLE.

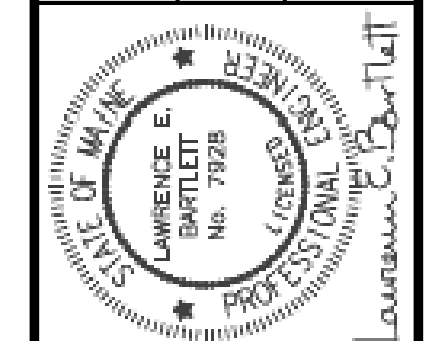
Date: 3/6/2018

Username:

Division:

Filename: 008_Electrical Plan (E01).dgn

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP 2194(207)
 WIN
 021942.07



PROJ. MANAGER	CHECKED	REVIEWED	DATE
L. Bartlett	L. Bartlett	L. Bartlett	02/18
			02/18

DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
L. Bartlett	L. Bartlett						

PORTLAND INTERNATIONAL MARINE TERMINAL
 MAINE INTERMODAL PORT PRODUCTIVITY PROJECT
 TERMINAL GRADING & PAVING
 CUMBERLAND COUNTY
 PORTLAND
ELECTRICAL PLAN

SHEET NUMBER
E01
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