

Addendum #2

This Addendum modifies, amends, and supplements designated parts of the Contract Documents, Specifications and Drawings for:

Lewiston Armory Unheated Storage Building Project, Lewiston, Maine Project No. 23SC20-313-D, Bid Number #22-026

Directorate of Facilities Engineering

17 June 2022

It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers for various portions of the work of any changes or modifications contained in this Addendum.

Clarification Items:

1. Q: Spec section 102213 – Wire Mesh Partitions, Section 2.4 Heavy-Duty Wire Mesh Partitions, A. Mesh: - Two types of mesh are listed – crimped diamond and welded type. The Drawings note “Welded Wire Mesh Partitions” on AE220. Please clarify if crimped type is allowable or if the mesh must be welded type.
A: Please provide welded wire mesh partitions.
2. Q: Please confirm the location of the existing panel that will be feeding the new panel. I will also require pictures of this panel and breakers, so I know what type of breaker to provide. When onsite we couldn't locate this panel.
A: The existing panel connection is MDP, position 2, located in room 116B. Connect to the existing 100A, 3P breaker in position 2. No new breaker is required, the existing 100, 3P breaker will be used for new connection. (SEE PHOTOS BELOW.)
3. Q: Please provide pictures of the existing manholes (Covers off and pictures of the inside of the manhole) that we need to connect to per the drawings.
A: Conduit connections at existing manholes are not proposed as part of this project. Refer to drawings CS101 and ES101 for conduit routing. (SEE PHOTOS BELOW.)
4. Q: Plan ES101 shows adding a handhole for the fuel station and connecting to the existing UG conduit. You don't show this as a separate conduit going back to panel GP in the new building. It shows one 2" conduit that I am assuming is for the panel feed and not the fueling station feed. Please provide direction on this.
A: The 2" conduit running between the handhole and the proposed building will contain feeds for both the proposed building and the fuel tank, which will be fed from the panel in the new building.
5. Q: Plan CS101 Handhole to fuel station shows a 1" conduit but on plan C-502 detail 5 shows 1-1/2" RMC and 1". Please confirm what size conduit is required.
A: The conduit running from the handhole to the panel pedestal will be 1". Detail 5/C-502 has been revised.

6. Q: Plan C-502 detail 4 – shows that RMC through the concrete. Detail 5 shows RMC expansion fitting. Please confirm that this is required where the conduits are within the concrete pad.

A: Provide expansion fittings on all above-grade portions of all conduits.

7. Q: Plan C-502 detail 6 - Please confirm conduit size for the existing conduit runs where we need to tie into. Assuming that these existing runs are spares and are empty conduits?

A: New 2" conduit from new panelboard GP in storage facility to the handhole. MEARNG indicates that the existing conduit is 4" (abandoned line from the disconnection of the 3rd platoon storage building) is connected to the handhole, back to the readiness center. See detail 6/C-502 for handhole.

8. Q: Plan E-101 Conduit marking schedule – Will color conduit be excepted and eliminate color banding?

A: Banding must be used on surface-mounted conduit.

9. Q: Please confirm the following requirements in the specs:

Warranty

Q: Lighting, EM Lighting/Batteries – 5 years parts and labor

A: Correct, lighting warranty is 5 years.

Q: All items – 1 year warranty

A: 1 year warranty unless noted otherwise.

Attic Stock/Spare Parts – Electrical

Q: Please confirm that there are no spare parts or attic stock required for electrical materials.

A: Spare parts or stock are not required for electrical materials.

10. Q: Plan E-101 is showing fused disconnect switch for the overhead garage doors. Why does this need to be fused? Can we use a rated two pole toggle switch for the means of disconnect?

A: An HP-rated, lockable toggle switch is acceptable.

11. Q: Keynote 2 – Mount remote inverter for exterior fixtures. Can you provide a spec or an equal to model for the inverter you're looking for?

A: Lightgear 125W or approved equal sized for connected load, per sheet E-001 fixture schedule note 2.

12. Q: Sheet S-001 – Concrete Note # 2 calls for concrete exposed to weather to be 5000 PSI. Foundation Walls to be 4500 PSI. Since the foundation wall has exposed concrete above finished floor that will be exposed to weather, are we to use 5000 PSI mix for the foundation walls?

A: The foundation walls can use the 4500 PSI concrete.

Drawing Items:

1. **Drawing CS101, Plan 1 - ADD** demolition of three (3) 8' x 20' metal storage containers.

2. **Drawing CG101, Detail 3** – Provide underdrain **sand** at stone drip edge as indicated on revised detail (attached).
3. **Drawing CS101, Plan 2 and Drawing C-502, Detail 2** - Revise size and location of fuel storage cabinet pad as indicated on attached Drawings.
4. **Drawing C-502, Detail 5** – Revise above ground conduit size to 1-inch.
5. **Drawing E-001** – Revise Panelboard Schedule as indicated on revised plan (attached).
6. **Drawing ES101, Keynote 2** – Revise as indicated on attached plan.
7. **Drawing E-101** – Revise circuiting for exterior GFCI of receptacles as indicated on revised plan (attached).

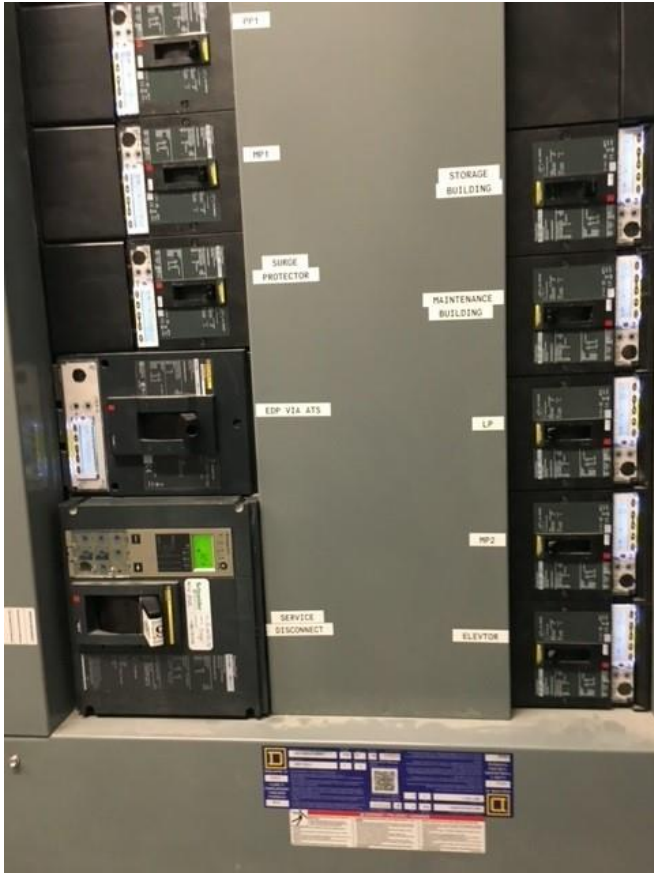
Specification Items:

1. **Specification 312000, Paragraph 2.1 – ADD:** K. Underdrain Sand: Clean, free draining-sand, free from organic matter, frozen material, and conforming to MDOT subsection 703.22, "Underdrain Backfill Material, Type B."
2. **Specification 024116, Paragraph 1.8.C – DELETE** paragraph in its entirety and replace with the following:
 - C. Hazardous Materials: With the exception of Universal Waste, it is not expected that hazardous materials will be encountered in the Work.
 1. Universal Waste: Lamps in existing 4' Fluorescent fixtures are to be removed and separated from general construction waste and protected from breakage. Lamps are to be disposed of in accordance with the requirements of the State of Maine and EPA or other local authority having jurisdiction.
 2. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by the Contractor at a negotiated rate.
3. **Specification 102213, Paragraph 2.4.A – DELETE subsection 1**, in its entirety.

Attachments:

4. Drawing CS101, Revised June 17, 2022.
5. Drawing CG101, Revised June 17, 2022.
6. Drawing C-502, Revised June 17, 2022.
7. Drawing E-001, Revised June 17, 2022.
8. Drawing ES101, Revised June 17, 2022.
9. Drawing E-101, Revised June 17, 2022.

Photos:



Panel Board MDP, Armory Room 116B



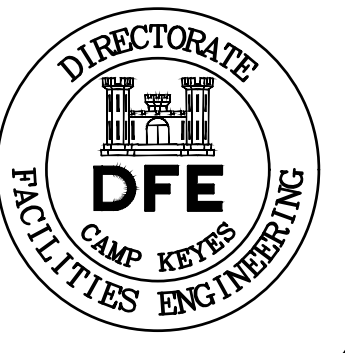
Panel Board – Detail



Electrical Manhole



Electrical Manhole



PLAN REVISIONS	
Rev#	Description
1	ADDED 2
	Date: 06/17/22
	Appr. JSD

DESIGNED BY: JSD
 DRAWN BY: JSD
 CHECKED BY: JSD
 DATE: 06/02/2022
 SCALE: AS NOTED
 DFE PROJECT NO: 235C20-313

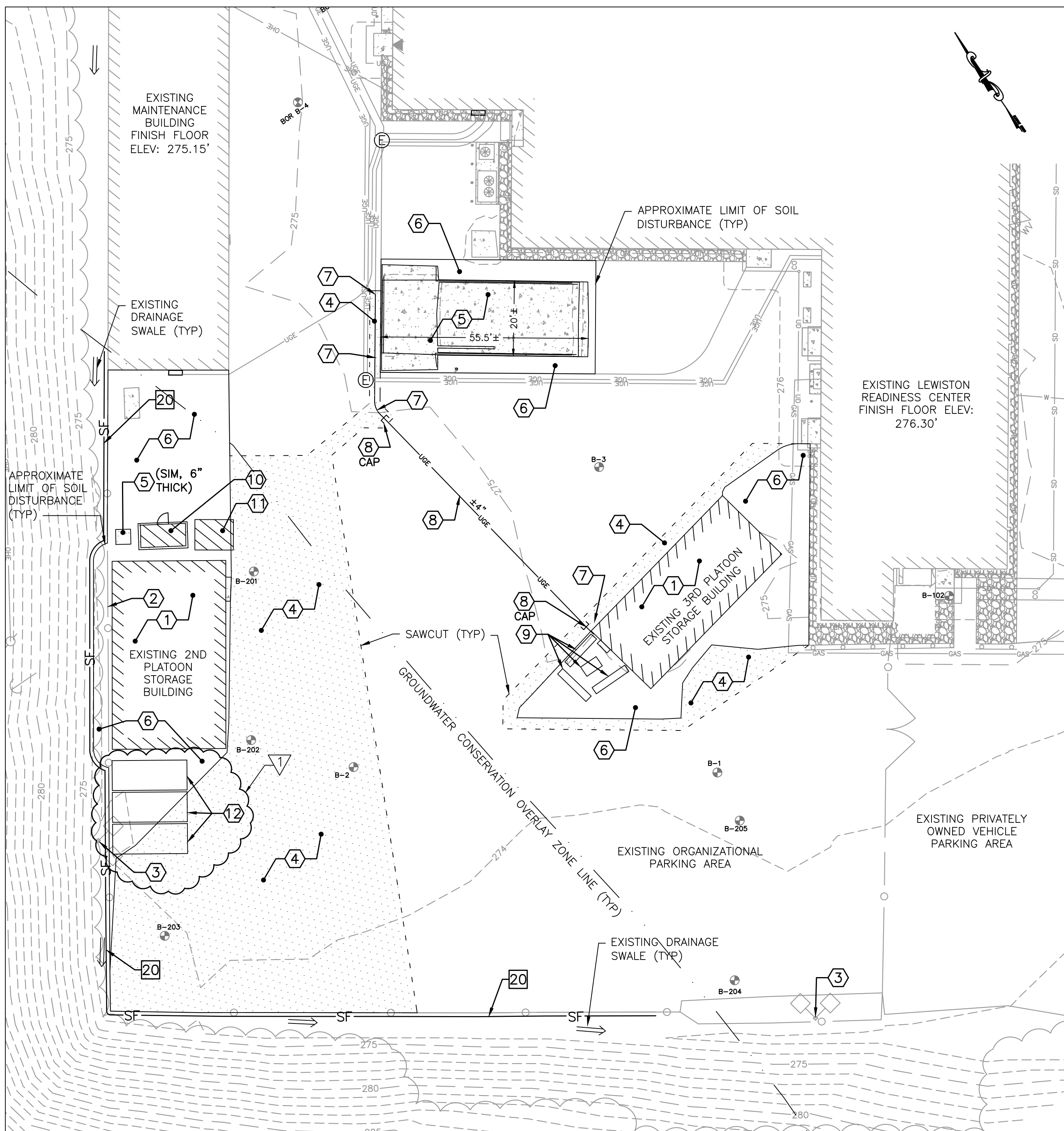
STATE OF MAINE
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 207-283-0193

LEWISTON ARMORY
 UNHEATED STORAGE BUILDING
 55 ALFRED A. PLOURDE PARKWAY
 LEWISTON, MAINE

REMOVALS PLAN AND SITE PLAN

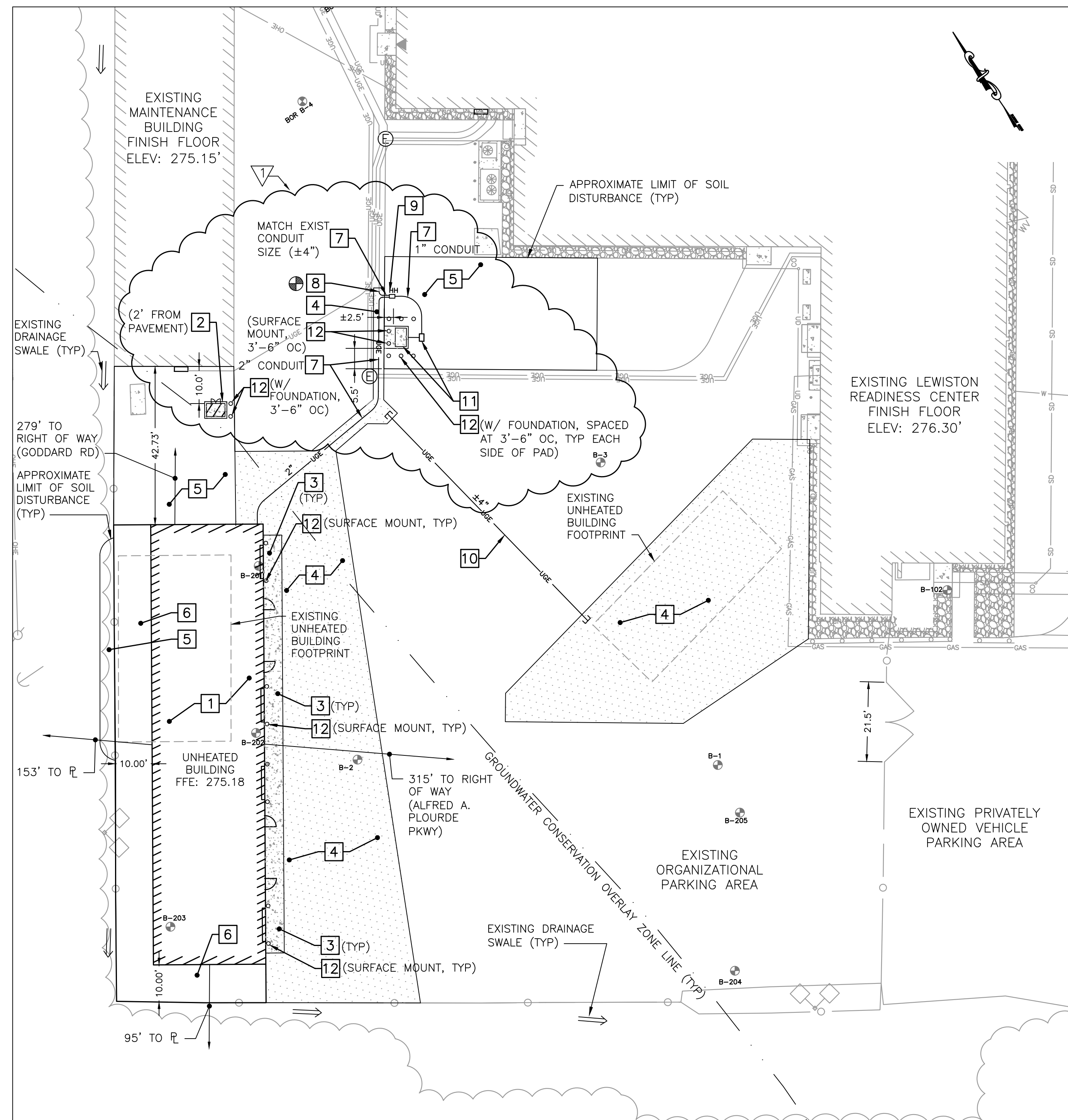
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SHEET ID:
CS101
 SHEET: 7 OF 32



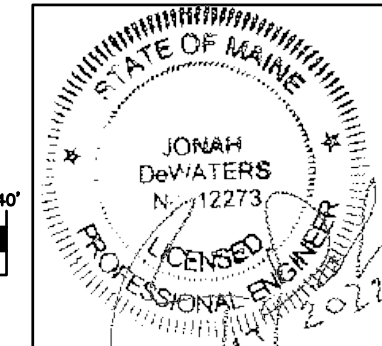
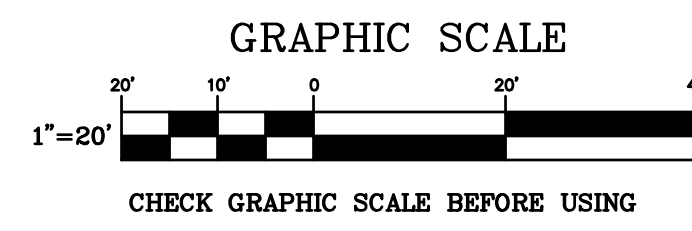
1 REMOVALS PLAN
 CS101 SCALE: 1"=20'

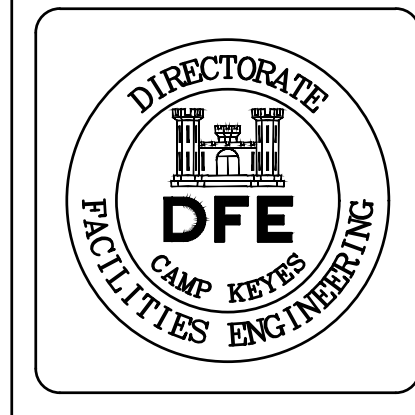
- KEYNOTES (REMOVALS PLAN ONLY)**
- REMOVE EXISTING BUILDING AND FOUNDATION AND REFILL EXCAVATION WITH COMPACTED GRANULAR BORROW. SEE SHEETS AD101 AND AD102.
 - TEMPORARILY SUPPORT EXISTING SECURITY FENCE DURING BUILDING REMOVAL. SEE NOTE 1, SHEET CX101.
 - VERIFY ROUTING OF WIRING TO PARKING LOT LIGHTING PRIOR TO BUILDING REMOVAL AND DO NOT DAMAGE DURING CONSTRUCTION.
 - SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT, ±4" THICK.
 - REMOVE EXISTING REINFORCED CONCRETE SPILL CONTAINMENT PAD AND RAMP, ±18" THICK
 - STRIP EXISTING TOPSOIL, ±4" THICK. DO NOT STOCKPILE TOPSOIL ON SITE UNLESS STOCKPILE LOCATION IS APPROVED BY THE OWNER.
 - REMOVE PORTION OF EXISTING CONDUIT, ±2" DIAMETER
 - CAP ENDS OF EXISTING CONDUIT AND ABANDON IN PLACE.
 - DISCONNECT EXISTING ELECTRICAL CONDUIT AND WIRING, REMOVE (3) JERSEY BARRIERS, AND RELOCATE EXISTING 560 GALLON ABOVE GROUND FUEL TANK AND PUMP TO LOCATION INDICATED ON 2/CS101. PUMP OUT FUEL PRIOR TO MOVING THE TANK. AFFIX PERMANENT VINYL ADHESIVE NFPA 704-COMPLIANT DIAMOND HAZARD SIGN TO EACH SIDE OF THE TANK. HAZARD SIGN SHALL BE 1 (BLUE)/2 (RED)/0 (YELLOW).
 - REMOVE EXISTING ±8' TALL CINDER BLOCK FUEL STORAGE BUILDING AND REINFORCED CONCRETE PAD.
 - REMOVE EXISTING WOODEN SHED, NOT SET ON FOOTINGS.
 - REMOVE EXISTING ±20'x±8' METAL STORAGE CONTAINER.
 - 13-19 NOT USED.
 - SILT FENCE. SEE DETAIL 1/C-501



2 SITE PLAN
 CS101 SCALE: 1"=20'

- KEYNOTES (SITE PLAN ONLY)**
- UNHEATED STORAGE BUILDING. SEE SHEETS AE101 AND SB101 AND DETAIL 2/CG101
 - FUEL STORAGE CABINET ON REINFORCED CONCRETE PAD. SEE DETAIL 2/C-502
 - REINFORCED CONCRETE STOOP. SEE DRAWING SB101
 - ASPHALT CONCRETE PAVEMENT. SEE DETAIL 1/C-502
 - TURF (ALL DISTURBED AREAS UNLESS INDICATED OTHERWISE) - 6" PLANTING SOIL, SEED, FERTILIZER MULCH
 - CRUSHED STONE DRIP EDGE. SEE DETAIL 3/CG101
 - UNDERGROUND ELECTRIC CONDUIT IN CONDUIT TRENCH. SEE DETAIL 4/C-502
 - CONNECT TO EXISTING UNDERGROUND ELECTRIC CONDUIT. MATCH EXISTING CONDUIT SIZE AT CONNECTION (±4")
 - HANDHOLE. SEE DETAIL 6/C-502
 - ABANDONED ELECTRIC CONDUIT.
 - RELOCATED ABOVE GROUND FUEL TANK AND PUMP ON REINFORCED CONCRETE PAD WITH PEDESTAL-MOUNTED ELECTRICAL DISCONNECT FOR FUEL PUMP. AFFIX PERMANENT VINYL ADHESIVE NFPA 704-COMPLIANT DIAMOND HAZARD SIGN TO ALL EACH SIDE OF THE TANK. HAZARD SIGN SHALL BE 1 (BLUE)/2 (RED)/0 (YELLOW). SEE DETAILS 3/C-502 AND 5-C/502
 - BOLLARD (TYPE INDICATED WITH KEYNOTE). SEE DETAIL 3/C-502





PLAN REVISIONS		Date	Appr.
1	ADDENDUM 2	06/17/22	JSD

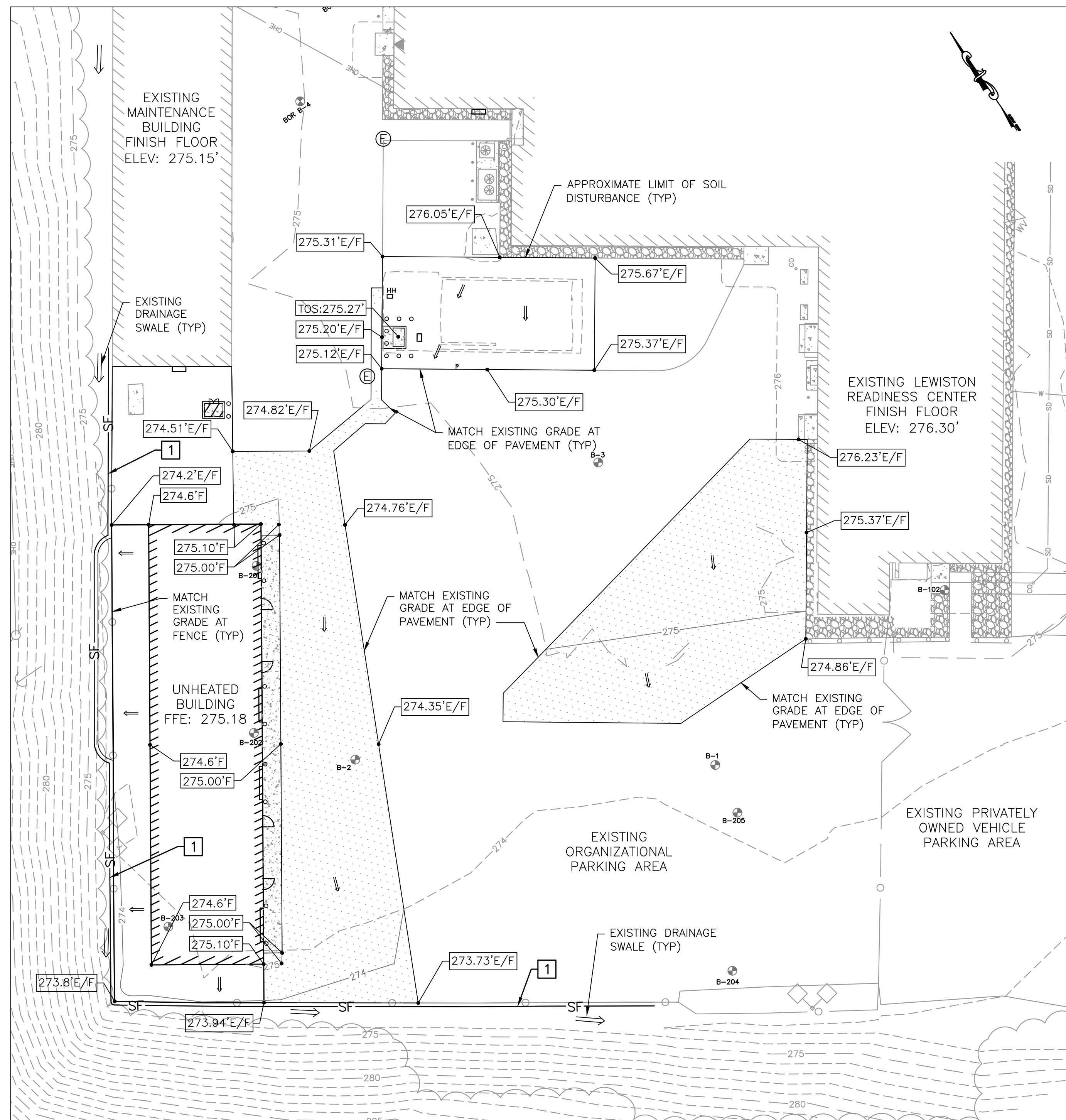
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CHECKED BY:	JSD
DATE:	06/02/2022
SCALE:	AS NOTED
DFE PROJECT NO.:	235C20-313

STATE OF MAINE
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LEWISTON ARMORY
 UNHEATED STORAGE BUILDING
 55 ALFRED A. PLOURDE PARKWAY
 LEWISTON, MAINE
 GRADING, DRAINAGE AND EROSION
 CONTROL PLAN AND SITE DETAILS

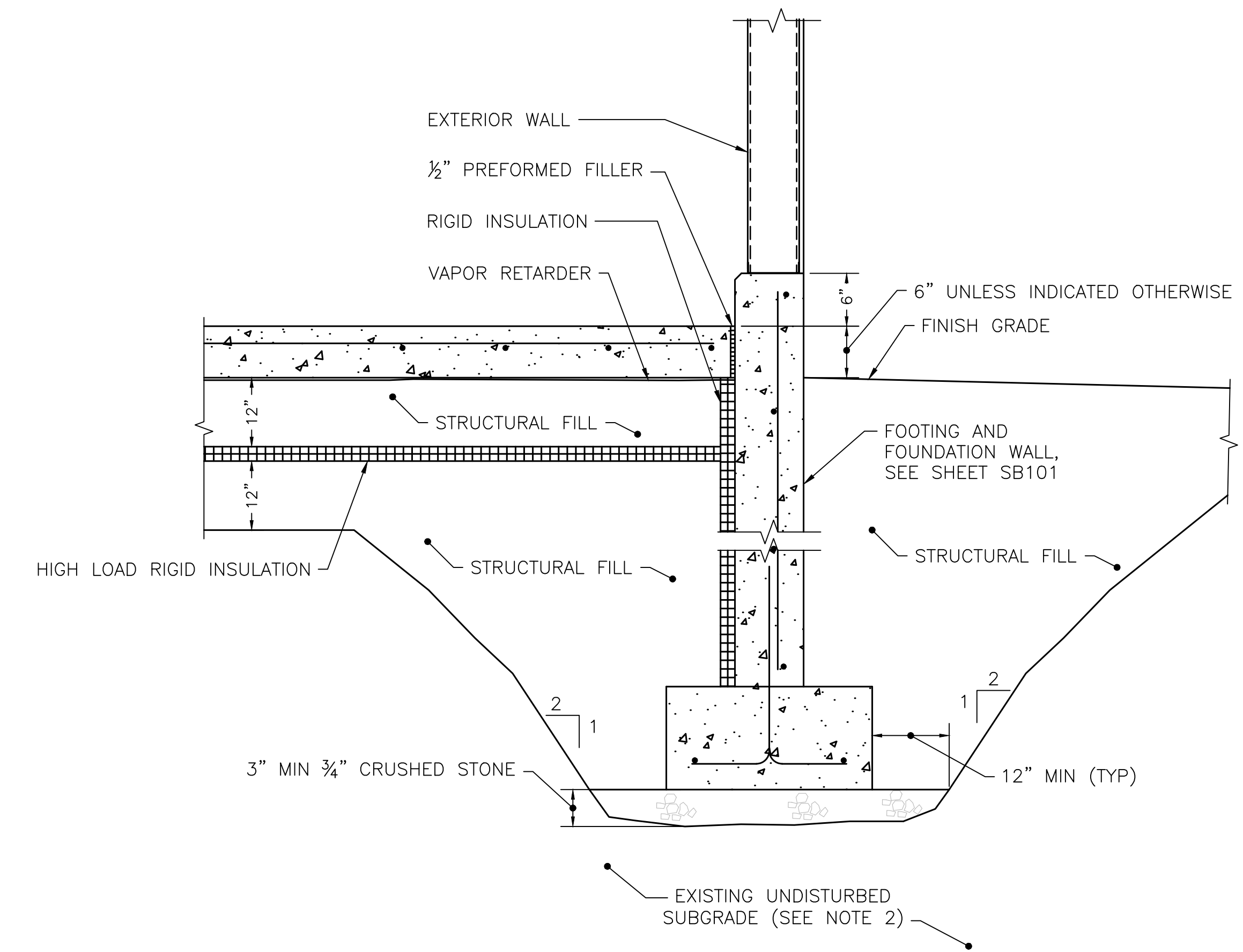
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 CG101
 SHEET: 8 OF 32



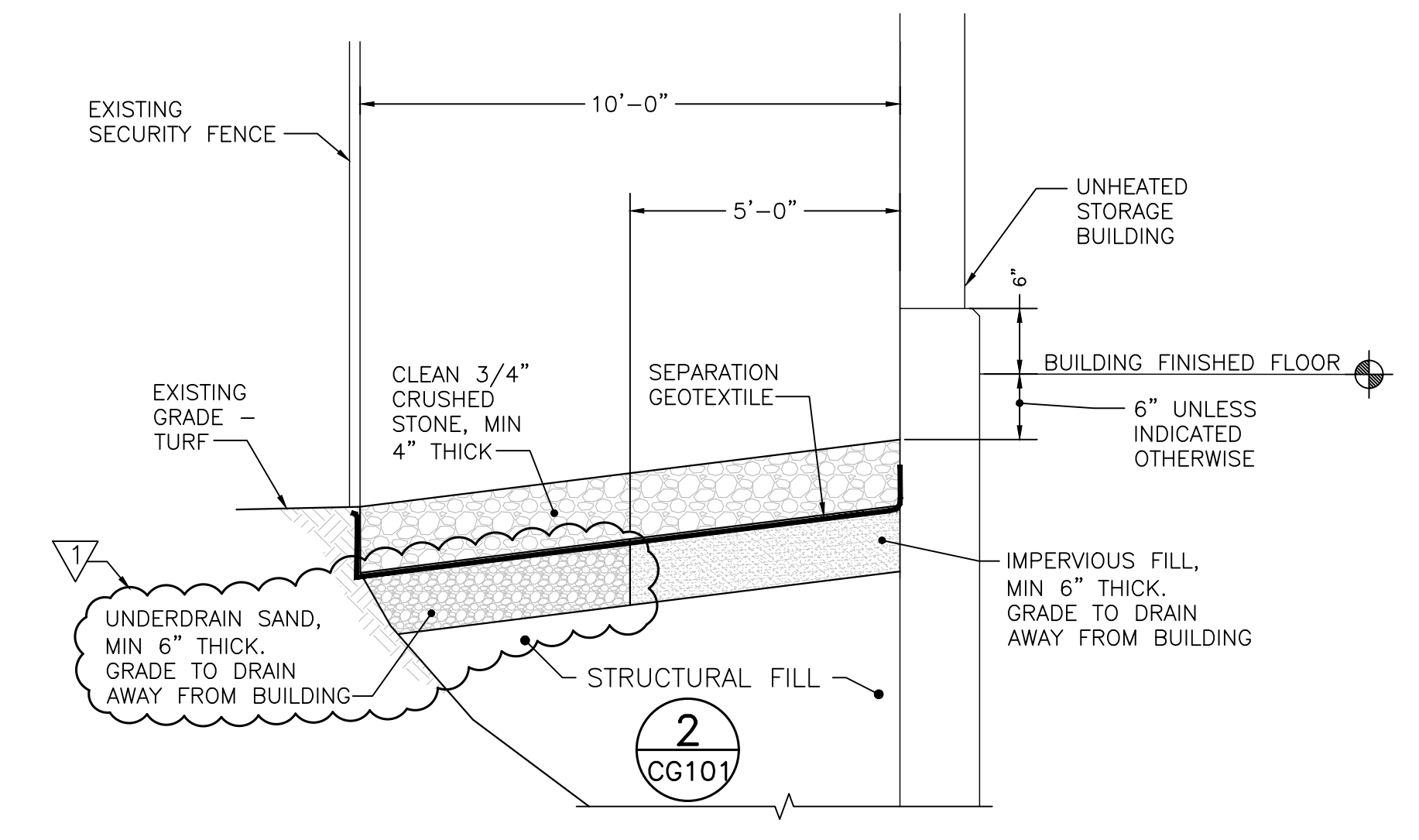
1 GRADING AND EROSION CONTROL PLAN
 CG101 SCALE: 1"=20'

KEYNOTES (SITE PLAN ONLY)
 1 SILT FENCE. SEE DETAIL 1/C-501

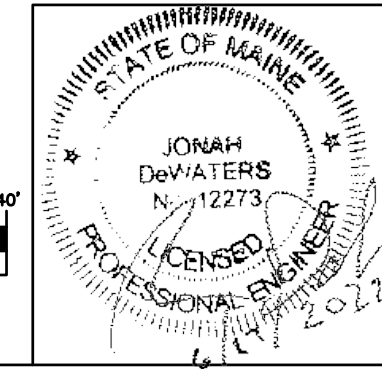
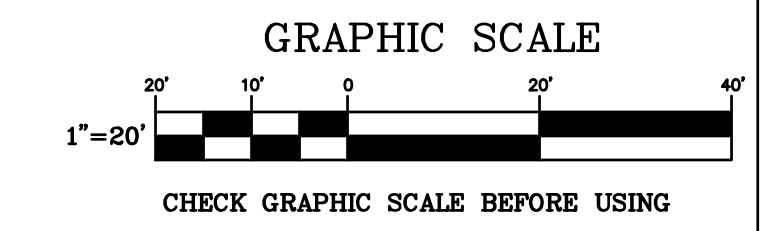


- FOUNDATION PREPARATION NOTES:
- REFER TO SHEET SB101 FOR FOUNDATION AND FOOTING INFORMATION.
 - EXISTING SUBGRADE IS SUSCEPTIBLE TO STRENGTH LOSS IF DISTURBED. EXCAVATE FOR FOOTINGS USING A SMOOTH-EDGED BUCKET TO PREVENT DISTURBANCE. IF SUBGRADE BECOMES WET OR DISTURBED, OVER-EXCAVATE AND RE-FILL WITH SUITABLE MATERIAL AS DIRECTED BY THE OWNER/ARCHITECT AT NO COST TO THE OWNER.

2 FOUNDATION PREPARATION DETAIL
 CG101 NOT TO SCALE



3 TYP. STONE DRIP EDGE DETAIL
 CG101 NOT TO SCALE

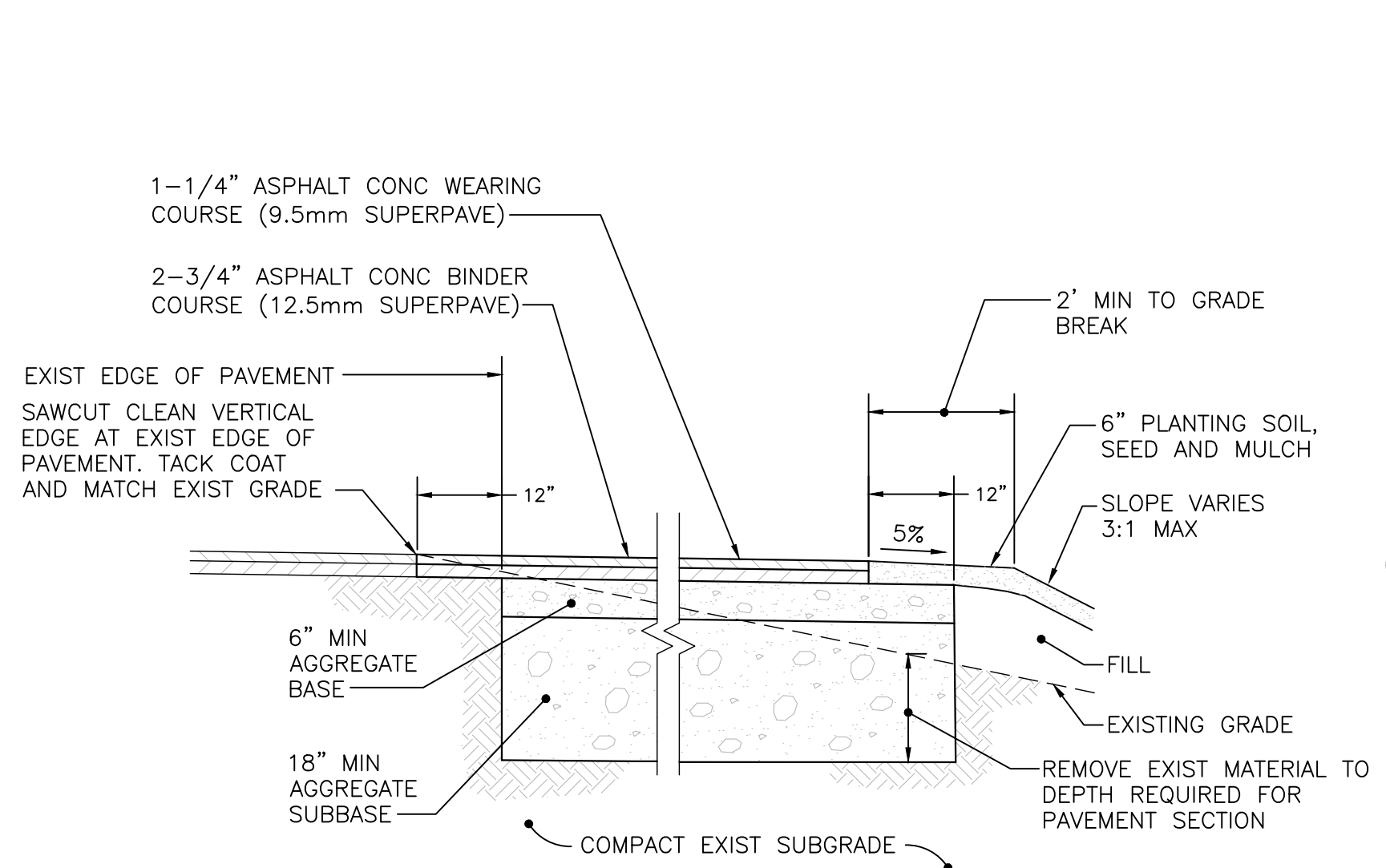


PLAN REVISIONS	Date	Appr.
	06/17/22	JSD

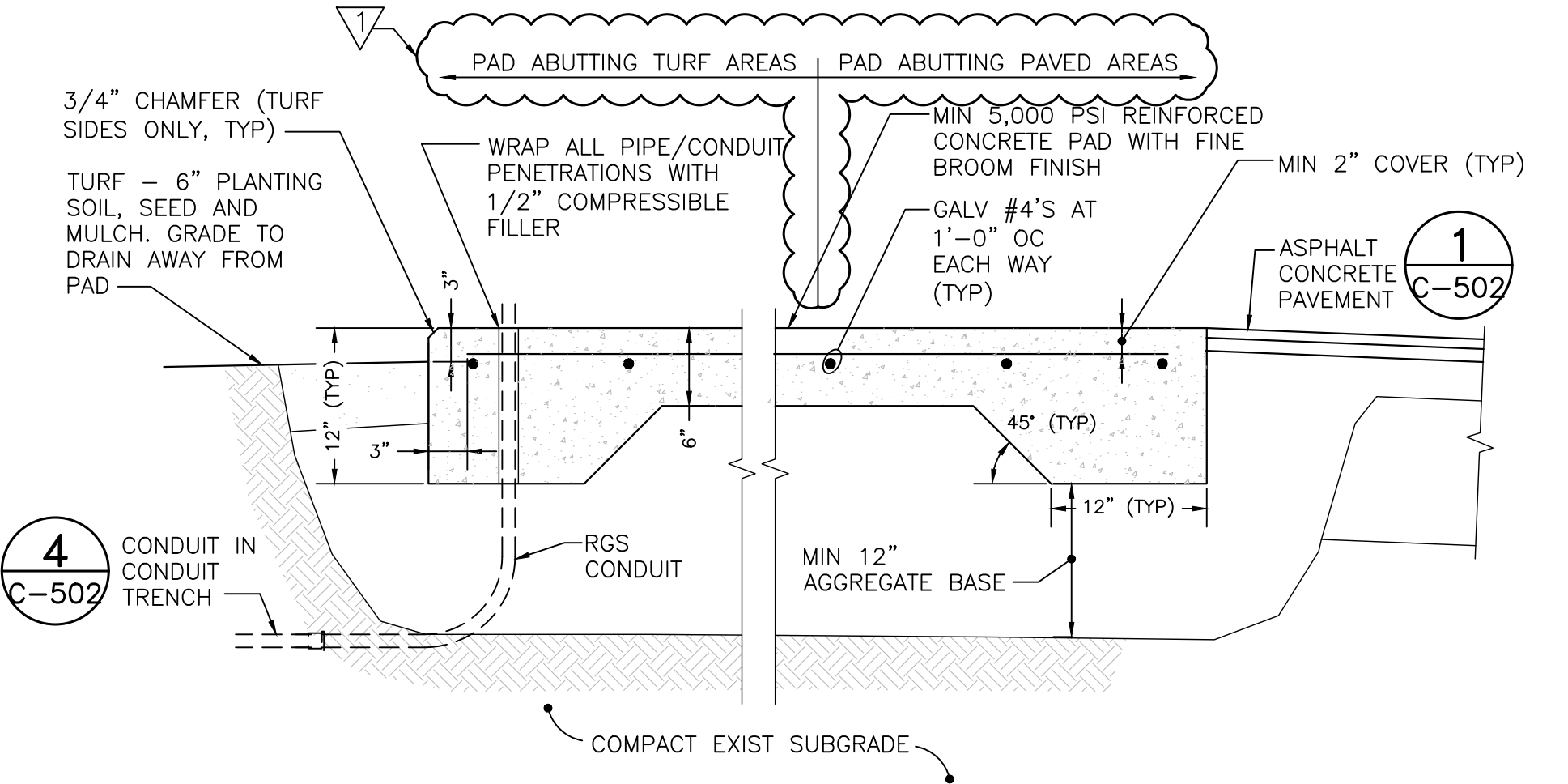
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LEWISTON ARMOY UNHEATED STORAGE BUILDING 55 ALFRED A. PLOURDE PARKWAY LEWISTON, MAINE	SITE DETAILS
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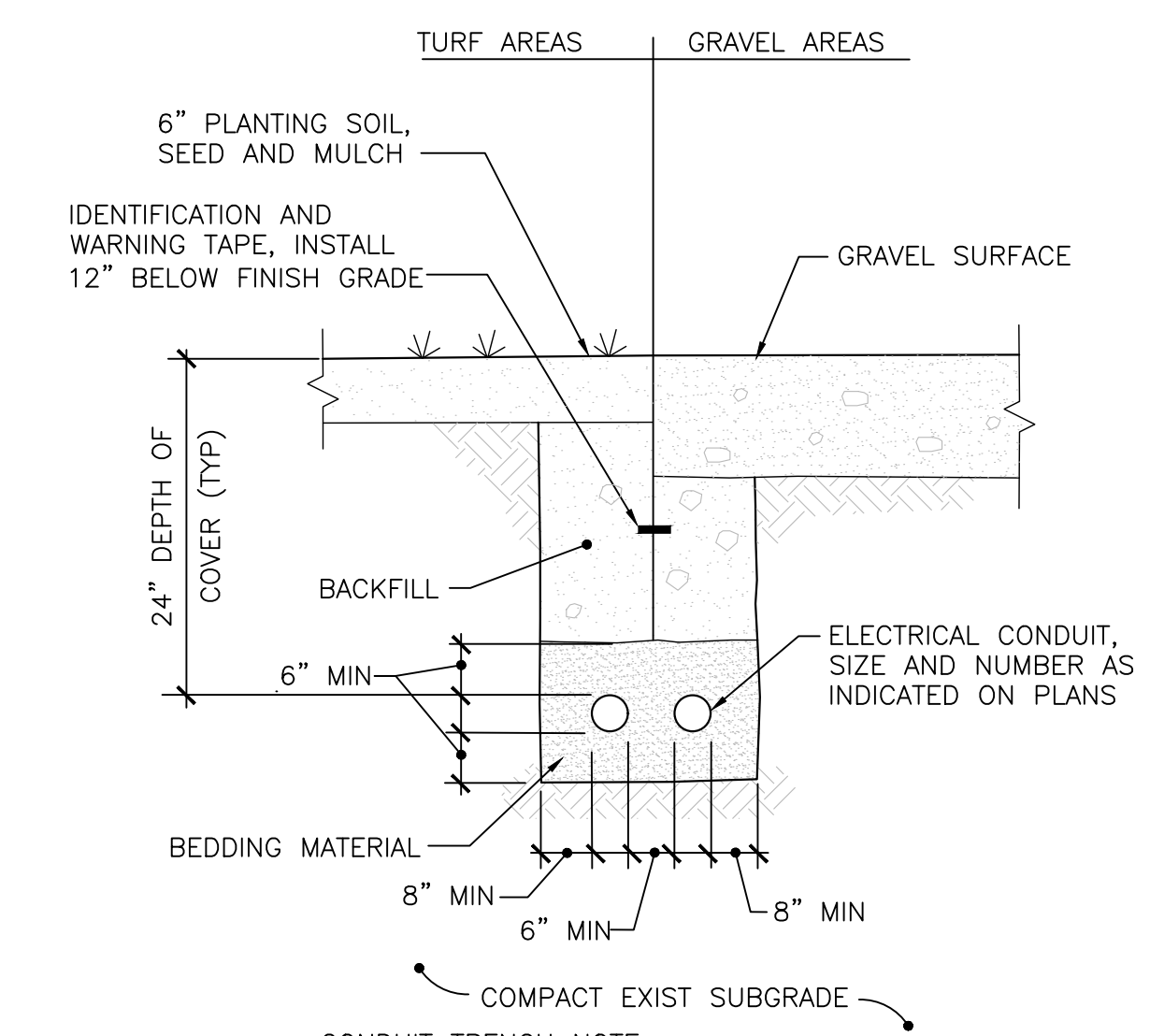


1 TYP ASPHALT CONCRETE PAVEMENT DETAIL (FULL DEPTH) NOT TO SCALE
 CS101.C-502

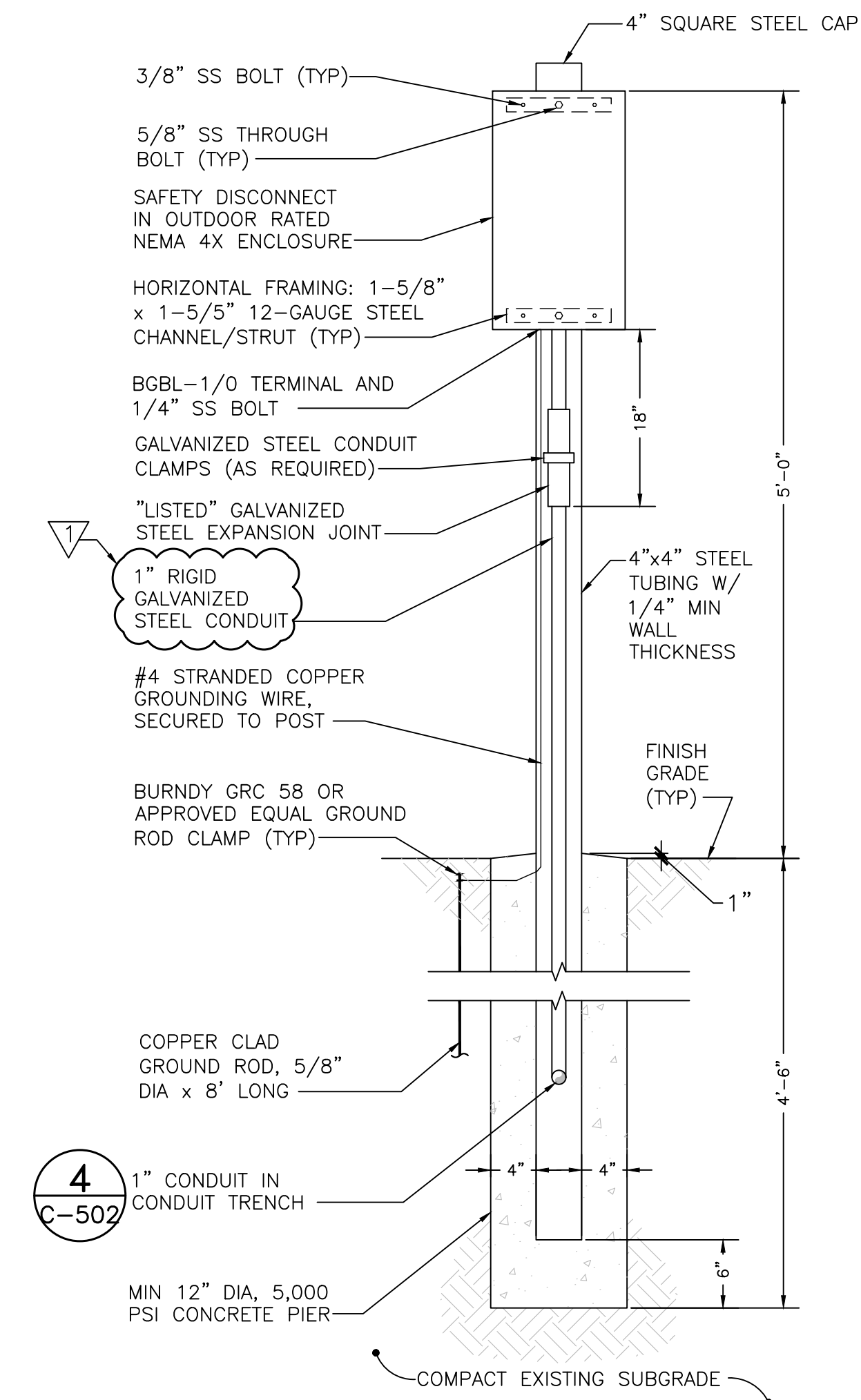


- CONCRETE PAD NOTES**
- COORDINATE EXACT PAD SIZE WITH MANUFACTURER'S RECOMMENDATIONS FOR EQUIPMENT SELECTED. THE APPROXIMATE PAD SIZES ARE:
 a. FUEL TANK PAD: 6'-6" x 6'-0"
 b. TIRE STORAGE CABINET: 4'-6" x 6'-0"
 - COORDINATE SLEEVE OR CONDUIT PENETRATIONS THROUGH CONCRETE PADS WITH EQUIPMENT.
 - ANCHOR EQUIPMENT TO PADS WITH GALVANIZED OR STAINLESS STEEL CONCRETE ANCHORS IN ACCORDANCE WITH MANUFACTURER'S/SUPPLIER'S REQUIREMENTS.
 - ALL CONDUIT BENDS AND CONDUIT PENETRATIONS THROUGH CONCRETE SLABS SHALL BE RIGID GALVANIZED STEEL.

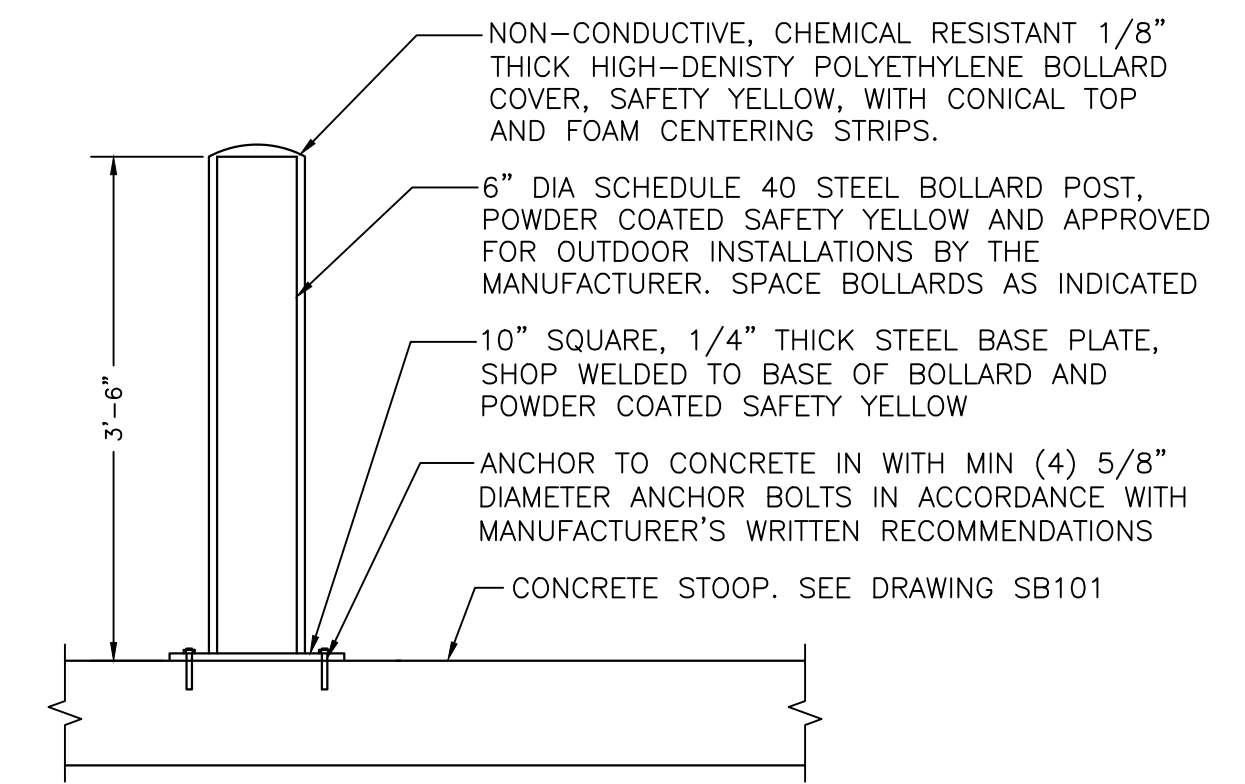
2 TYP CONCRETE PAD DETAIL NOT TO SCALE
 CS101.C-502



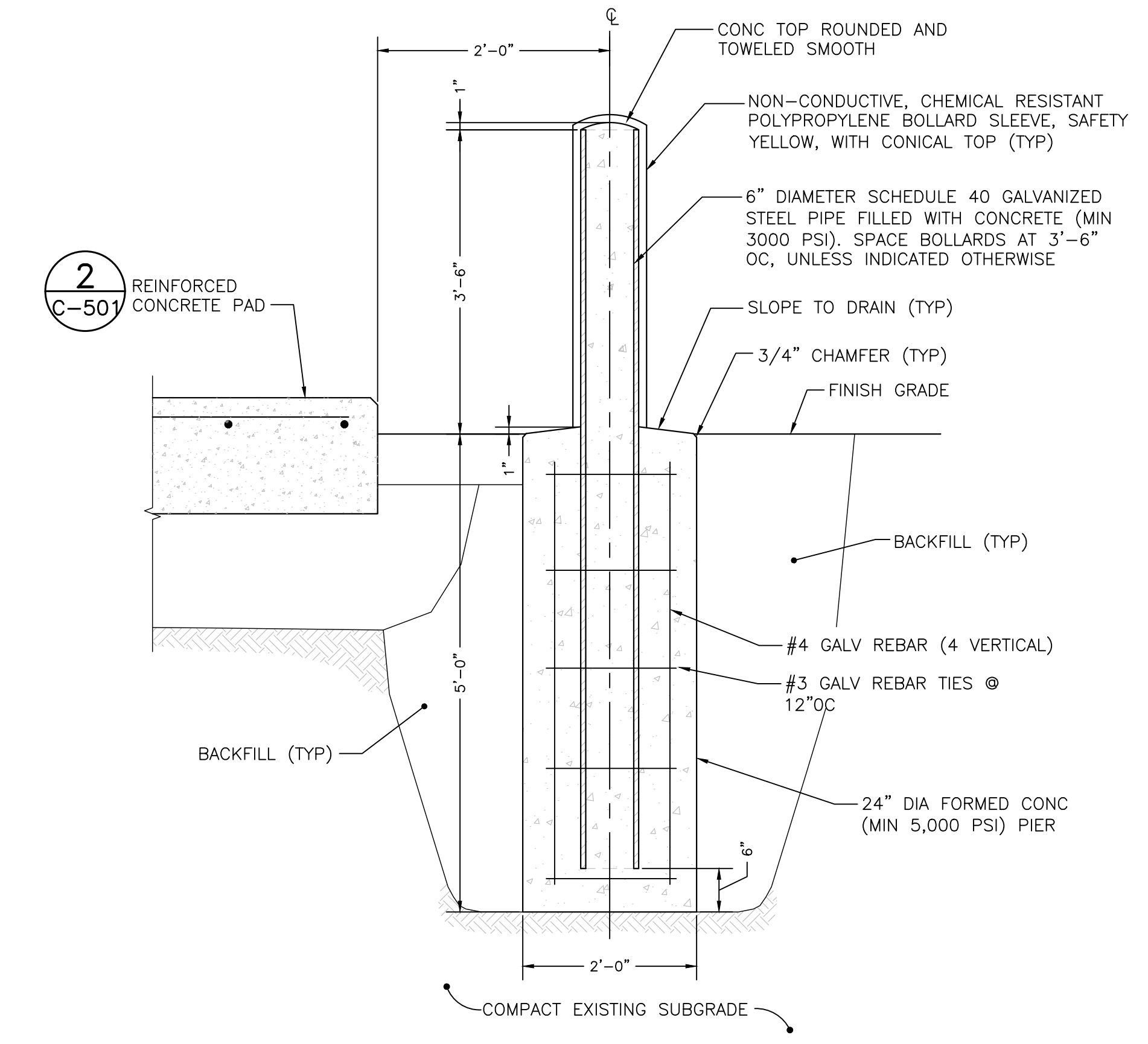
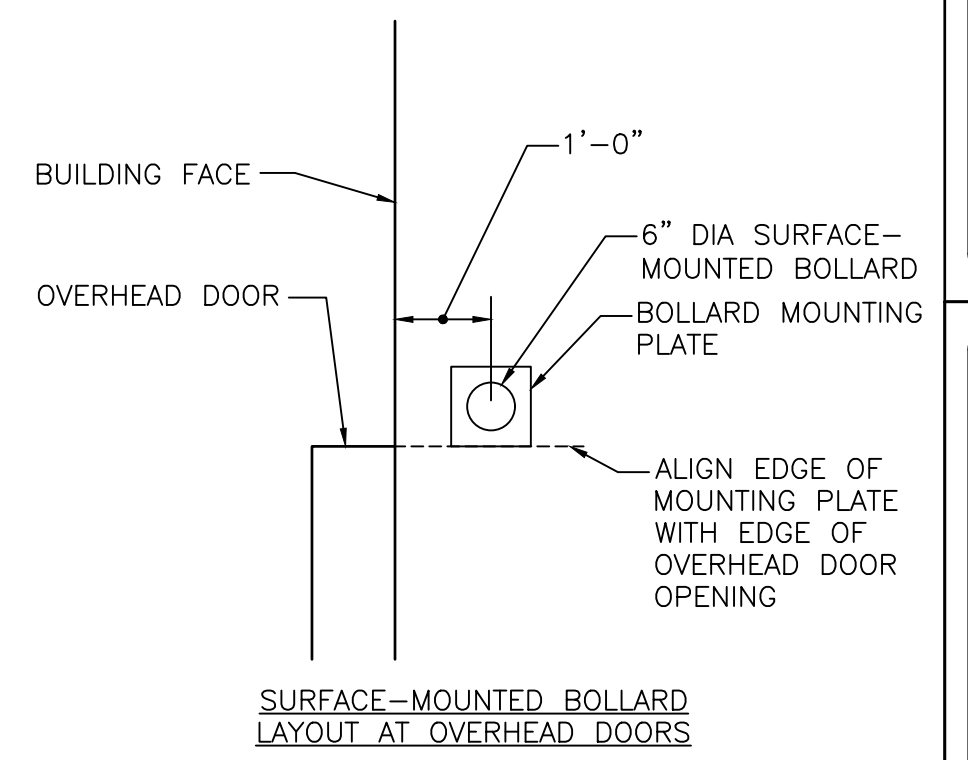
- CONDUIT TRENCH NOTE:**
- MAINTAIN 12" MIN SEPARATION BETWEEN COMMUNICATIONS AND ELECTRICAL CONDUITS.
 - ABOVE GRADE CONDUIT, EXPOSED EXTERIOR CONDUIT AND VERTICAL BENDS MUST BE RIGID GALVANIZED STEEL.
- 4 TYP CONDUIT TRENCH DETAIL NOT TO SCALE**
 CS101.C-502



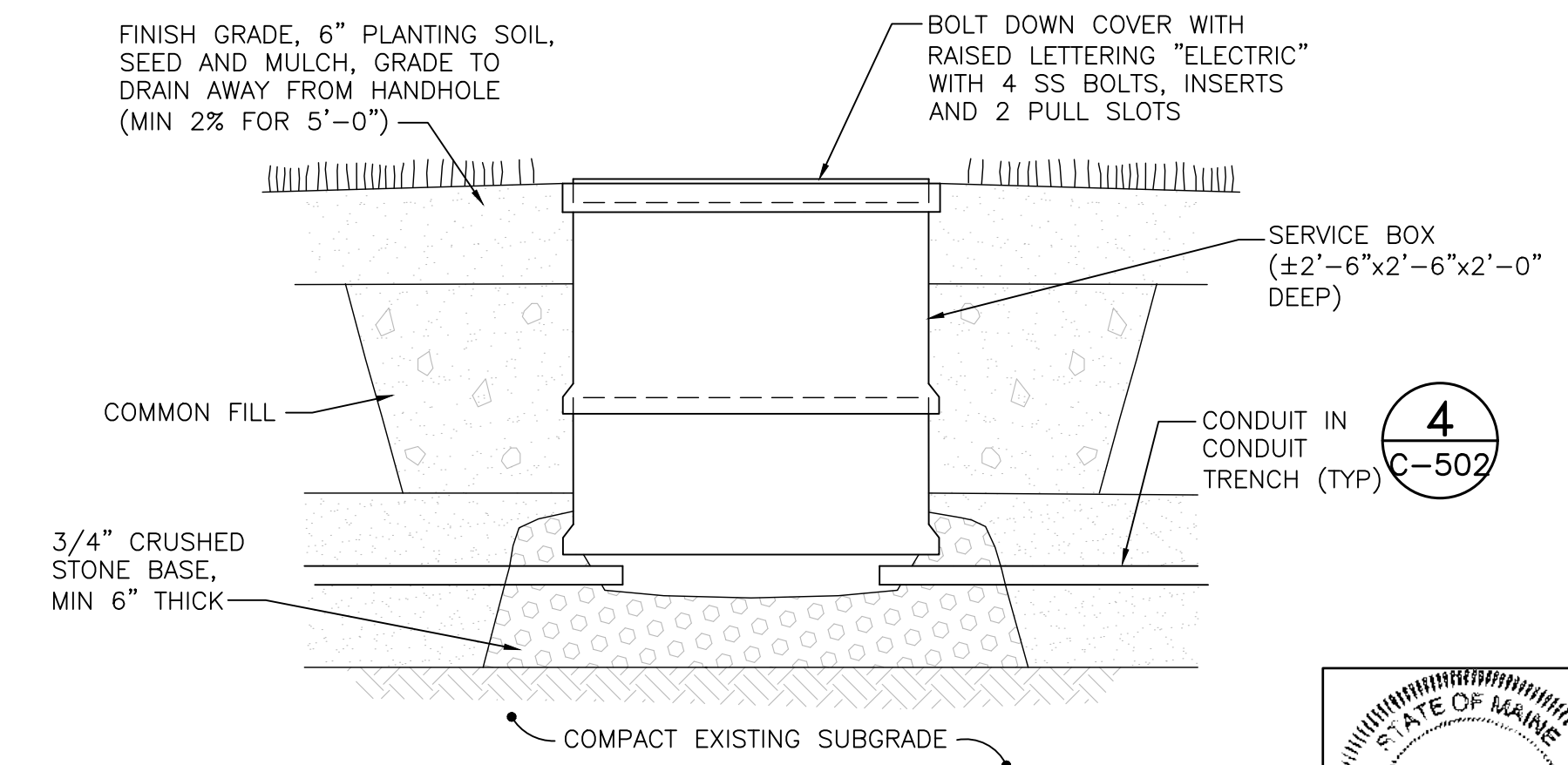
- STEEL POSTS, HORIZONTAL FRAMING, BASE PLATES, AND ALL OTHER APPURTENANCES SHALL BE GALVANIZED STEEL.
- 5 ELECTRICAL PANEL PEDESTAL DETAIL NOT TO SCALE**
 CS101.C-502



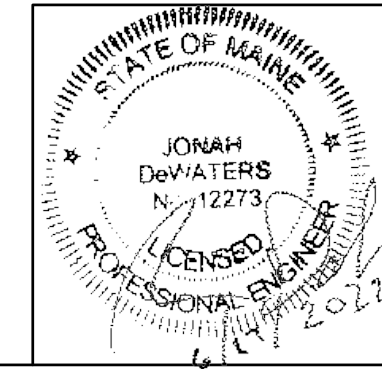
SURFACE-MOUNTED BOLLARD



3 TYP BOLLARD DETAILS NOT TO SCALE
 CS101.C-502



6 HANDHOLE DETAIL NOT TO SCALE
 CS101.C-502



ELECTRICAL SYMBOLS

LIGHTING
NOTE: UPPER CASE SUBSCRIPTS INDICATE FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE.

S	120/277V, 20A LIGHT SWITCH, SPECIFICATION GRADE
A	WALL MOUNTED FIXTURE WITH EMERGENCY DRIVER SUBSCRIPT INDICATES FIXTURE TYPE
□	1'x4' LED FIXTURE
⊕	OCCUPANCY SENSOR
	BLANK = COMBINATION W = WALL SWITCH TYPE
⊕	EMERGENCY LIGHT, BATTERY POWERED TWO LAMPS. WP = WET LOCATION LOWER CASE SUBSCRIPT INDICATES LOCAL CIRCUIT TO WHICH UNIT IS CONNECTED
⊕	ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE OR DOUBLE FACE.
⊕	EXTERIOR PHOTOCELL

RECEPTACLES

⊕	DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20R C = CEILING
⊕G	DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20R SUBSCRIPT "G" INDICATES GROUND FAULT INTERRUPT, WP INDICATES WEATHERPROOF GROUND FAULT INTERRUPT.

LINE TYPE LEGEND

-----	REMOVE EXISTING ITEMS
_____	EXIST ITEMS TO REMAIN
_____	PROVIDE ITEMS
S	PROVIDE SWITCH (INSTALLATION DRAWINGS)
-----	UNDERGROUND ELECTRIC
-----	UNDERGROUND ELECTRIC

GENERAL

⊕	MOTOR
⊕	NON-FUSED DISCONNECT SWITCH HP RATED, LOCKABLE TOGGLE SWITCH
⊕	FUSED DISCONNECT SWITCH
⊕	JUNCTION BOX
A-1	BRANCH CIRCUIT HOMERUN, A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER
■	PANELBOARD
EGB	ELECTRICAL GROUNDING BUSBAR

GROUNDING

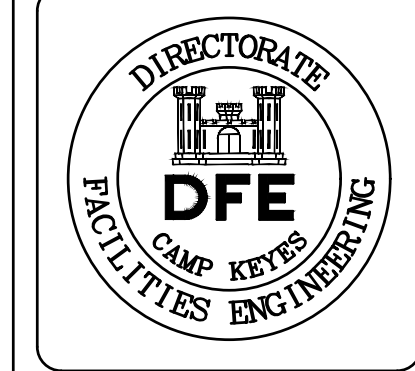
⊕	GROUND ROD, COPPER CLAD
■	PUSH BUTTON

ELECTRICAL ABBREVIATIONS

A, AMP	AMPERE
A3P	AMPERES, 3-POLE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUCTOR, CONDUIT, CEILING
CAT	CATALOG, CATEGORY
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
DWG	DRAWING
EMT	ELECTRICAL METALLIC TUBING
G	GROUND; GROUND FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
H	HEATING LOAD TYPE FOR PANEL SCHEDULE
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
KCMIL	KILO-CIRCULAR MILS
KVA	KILO-VOLT-AMPERE
KW	KILO-WATT
L	LIGHTING LOAD TYPE FOR PANEL SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
M	MOTOR LOAD TYPE FOR PANEL SCHEDULE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUG ONLY
N	NEUTRAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO, #	NUMBER
OCC	OCCUPANCY
⊕	PHASE
P	POLE
P/O	PART OF
R	RECEPTACLE LOAD TYPE FOR PANEL SCHEDULE
REC	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMC	RIGID METAL CONDUIT
SPD	SURGE PROTECTION DEVICE
SQ	SQUARE
SW	SWITCH
THHN	HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
THWN	MOISTURE & HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
TPA	TRAP PRIMER
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UGE	UNDERGROUND ELECTRICAL
UL	UNDERWRITERS LABORATORIES
V	VOLT
VA	VOLT AMPERE
W	WATT, WIRE
W/	WITH
WP	WEATHERPROOF

ELECTRICAL GENERAL NOTES

- ELECTRICAL INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND STATE AND LOCAL CODES.
- WORK MUST BE COORDINATED WITH ARCHITECTURAL, CIVIL, AND STRUCTURAL TRADES.
- ELECTRICAL EQUIPMENT AND WIRING MUST BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
- LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL AND EQUIPMENT MUST BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, WORK TO AVOID INTERFERENCE.
- A SEPARATE GREEN GROUNDING CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. METAL CONDUIT MUST BE GROUNDED BUT NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
- THE CONTRACTOR MUST VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR MUST PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER'S REPRESENTATIVE.
- CONDUCTORS MUST BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE.
- CONDUIT MUST BE MINIMUM 3/4" UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR EACH 15A 1P, 15A 2P, 20A 1P AND 20A 2P BRANCH CIRCUIT MUST BE 2 #12 + #12G, IN 3/4" C.
- A SEPARATE NEUTRAL CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL 120V CIRCUIT.
- SEAL CONDUIT INTERIOR TO PROHIBIT PASSAGE OF MOISTURE. PROVIDE SEALANT PRODUCT INTENDED FOR SUCH USE. PROVIDE AT CONDUITS PENETRATING FOUNDATION WALLS, AND EXTERIOR WALLS.



PLAN REVISIONS

NO.	DATE	DESCRIPTION
1	06/17/22	KAO
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ADDENDUM 2
1 Description

LIGHTING FIXTURE SCHEDULE

BASIS OF DESIGN NOTE: FIXTURE MANUFACTURER AND CATALOG NUMBERS ARE LISTED TO ESTABLISH QUALITY, PERFORMANCE, AND AESTHETICS. OTHER MANUFACTURERS ARE ACCEPTABLE OF THE PROPOSED LIGHT FIXTURES MEET THE SPECIFIED REQUIREMENTS.

TYPE	DESCRIPTION	SOURCE (LUMENS)	VOLTS	W/VA	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
A	HIGH BAY	LED (3276)	120	30.6	SURFACE	1,3	COLUMBIA	LAW4-35MW-EU
E	EXTERIOR WALL MOUNT LED	LED (762)	120	10.8	WALL	2,4	HUBBELL OUTDOOR	LNC2-9L-070-2-LGS-SCP-20F
⊕	EXIT SIGN - SINGLE FACE	LED'S (2)	120	2	UNIVERSAL	-	DUAL LITE	EVE-U-R-W-E
⊕	DUAL HEAD EMERGENCY LIGHT W/BATTERY	LED	12	10.8	WALL	-	HUBBEL	LM-16-12-1205L

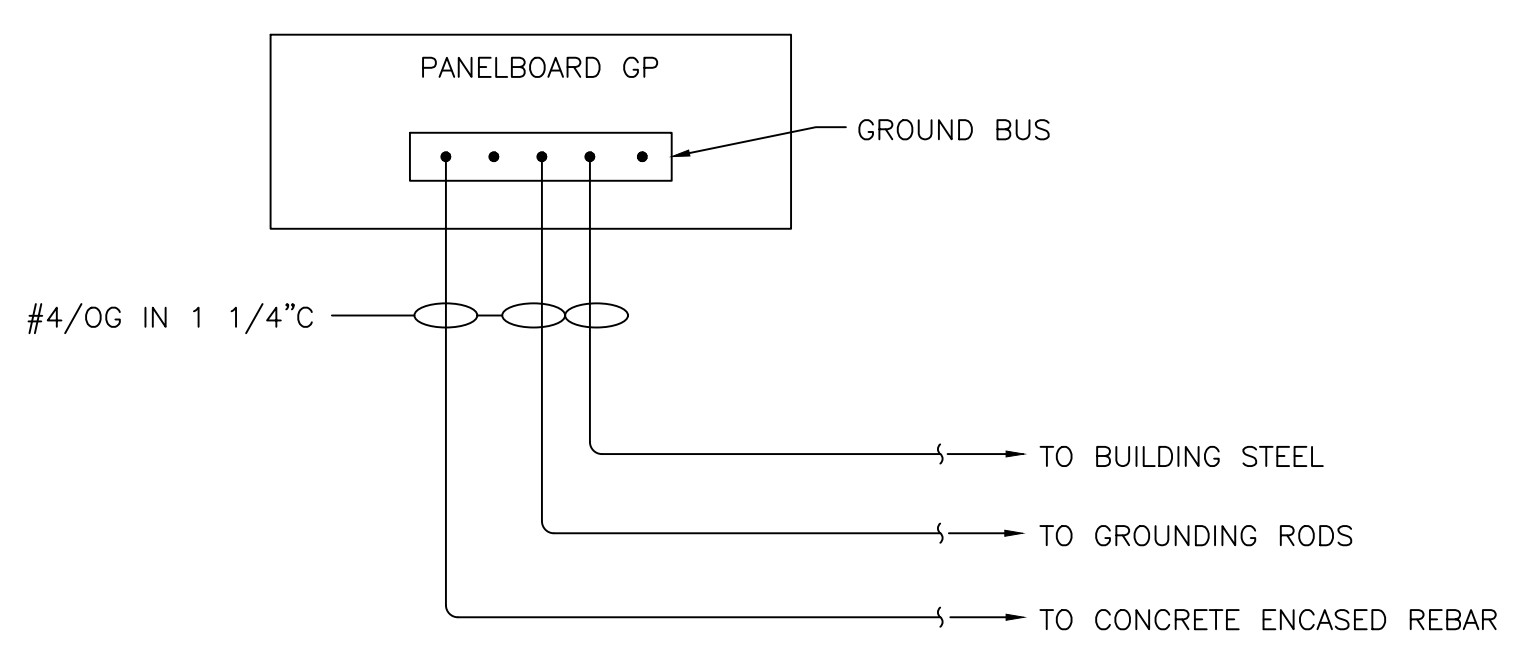
- FIXTURE SCHEDULE NOTES:**
- COORDINATE MOUNTING WITH ARCHITECTURAL TRADE.
 - PROVIDE REMOTE MOUNTED EMERGENCY INVERTER TO OPERATE EXTERIOR FIXTURES LITEGEAR 12SW, SIZE FOR CONNECTED LOAD.
 - COORDINATE MOUNTING TYPE WITH CEILING.
 - MOUNT AT 12 FEET.

PANELBOARD SCHEDULE GP

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR		LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C			TRIP	POLE			A	B	C	
1	9			GARAGE DOOR OPENER (DOOR 104A)	M	20	2	R	REC - RM 101	10			2
3		9						R	REC - RM 102		6		4
5			9	GARAGE DOOR OPENER (DOOR 103A)	M	20	2	R	REC - RM 103			12	6
7	9							R	REC - RM 104	9			8
9		9		GARAGE DOOR OPENER (DOOR 102A)	M	20	2	L	LIGHTING 103 & 104		4.6		10
11			9					L	LIGHTING 101 & 102			4.6	12
13	9			GARAGE DOOR OPENER (DOOR 101A)	M	20	2		EXTERIOR LIGHTING				14
15		9							SPARE				16
17				SPARE		20	1		SPARE				18
19				SPARE		20	1		SPARE				20
21				SPARE		20	2		FUEL DISPENSING EQUIPMENT		4.9		22
23												4.9	24
	47	42.5	39.5	TOTAL/PHASE									

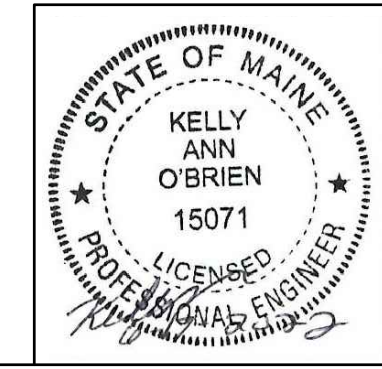
VOLTS: 120/208, 3 PHASE, 4 WIRE
 MCB: MLO:
 FAULT AMPS: 10,000 KAIC

DESIGNATION: GP
 LOCATION: STORAGE 104
 MOUNTING: SURFACE



- ELECTRIC SERVICE GROUNDING DETAIL NOTES**
- COMPLY WITH NEC, SPECIFICALLY NEC 250.50 AND 250.52.
 - PROVIDE THERMAL WELDED OR IRREVERSIBLE COMPRESSION CONNECTIONS.
 - MINIMUM CONDUCTOR SIZE TO GROUND RODS MUST BE #1/0 COPPER.
 - MINIMUM CONDUCTOR SIZE TO OTHER GROUNDING ELECTRODES MUST BE #4/0 COPPER.
 - GROUND ROD CONNECTION MUST BE UL LISTED, SUITABLE FOR DIRECT BURIAL, THERMAL WELD.
 - CONDUCTORS AND CONDUIT MUST BE CONCEALED.

1 GROUNDING ELECTRODE SYSTEM DETAIL
E-001 NOT TO SCALE



DESIGNED BY: KAO
 DRAWN BY: BPD
 CHECKED BY: KAO
 DATE: 06/02/2022
 SCALE: AS NOTED
 DFE PROJECT NO: 235C20-313

STATE OF MAINE
 DEPARTMENT OF DEFENSE, VETERANS AND EMERGENCY MANAGEMENT
 OAK POINT ASSOCIATES
 ARCHITECTURE, ENGINEERING, & PLANNING
 231 MAIN STREET
 BIDDEFORD, MAINE
 207-283-0193

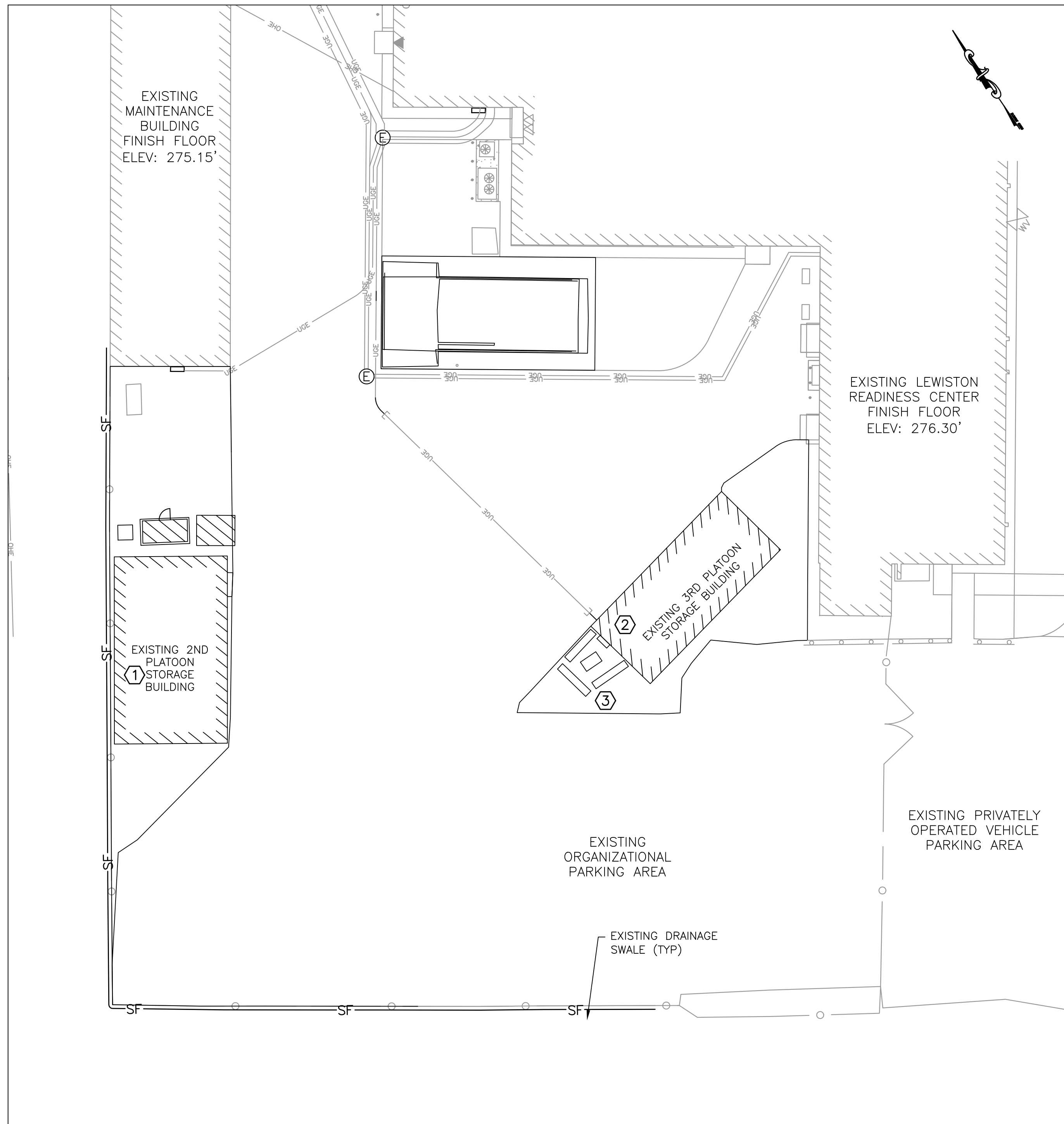
LEWISTON ARMORY
 UNHEATED STORAGE BUILDING
 55 ALFRED A. PLOURDE PARKWAY
 LEWISTON, MAINE

ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES, DETAILS, AND SCHEDULES

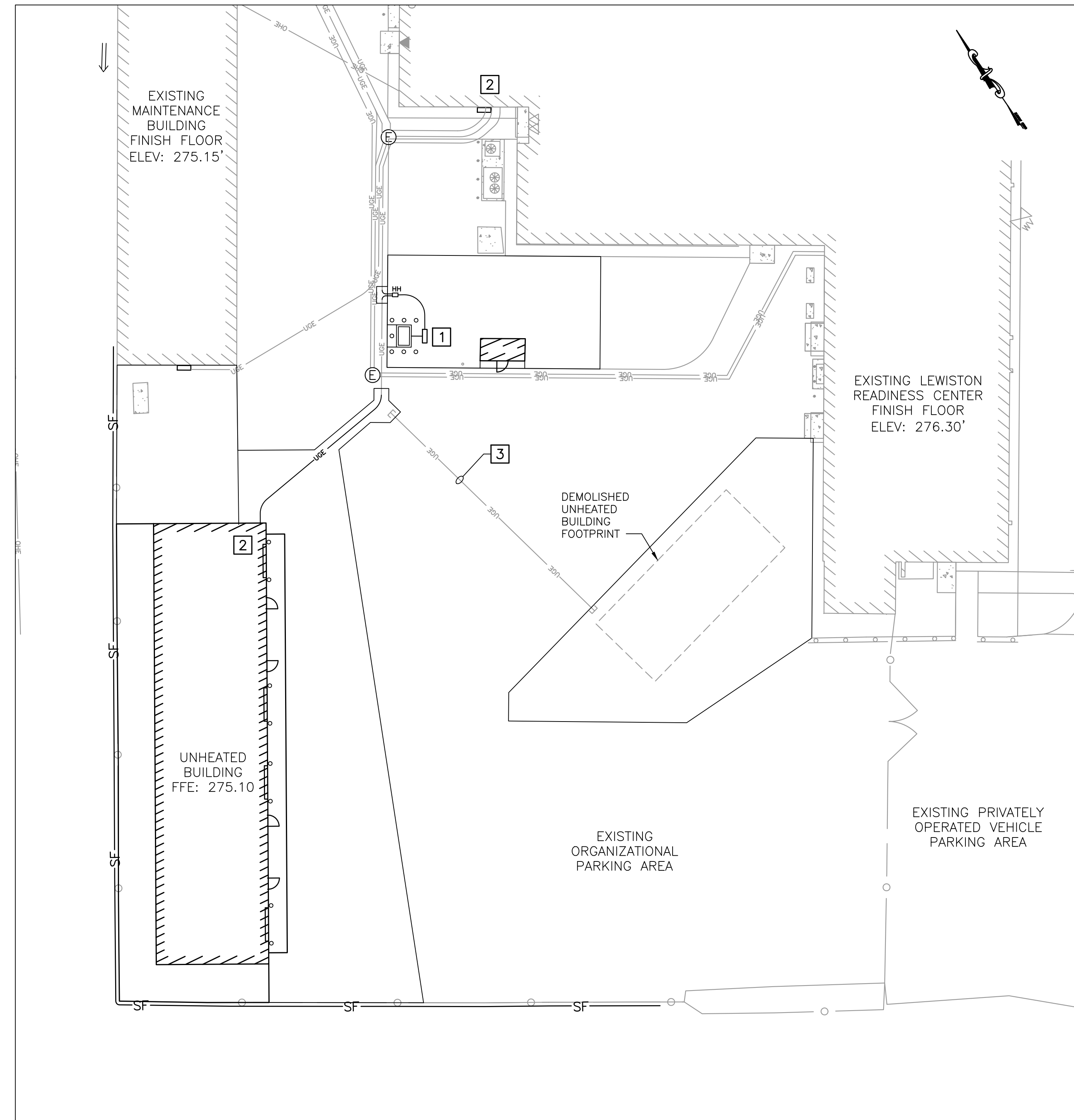
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1 ELECTRICAL SITE REMOVALS PLAN
ES101 SCALE: 1"=20'



2 ELECTRICAL SITE PLAN
ES101 SCALE: 1"=20'

GENERAL NOTE

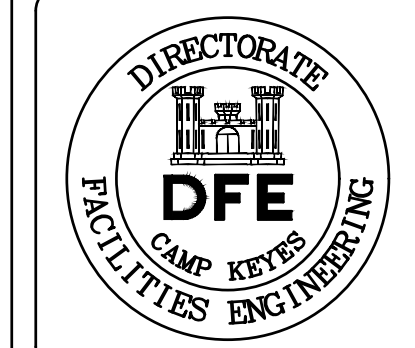
- REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES, DETAILS, AND SCHEDULES.

KEYNOTES (REMOVALS SITE PLAN ONLY)

- REMOVE CONNECTION TO SITE LIGHTING. PULL BACK WIRING TO NEAREST SITE LIGHT FIXTURE.
- REMOVE CONNECTION TO THE EXISTING 100A PANELBOARD IN THE STORAGE BUILDING. PULL BACK WIRING TO SOURCE IN READINESS CENTER.
- REMOVE CONNECTION TO FUEL TANK AND PUMP TO BE RELOCATED.

KEYNOTES (SITE PLAN ONLY)

- PROVIDE FUSED SAFETY DISCONNECT AND CONNECTION TO RELOCATED FUEL DISPENSING EQUIPMENT. SIZE FUSE TO MATCH FUEL DISPENSING EQUIPMENT. ROUTE THROUGH NEW HAND HOLE AND 2" CONDUIT BACK TO UNHEATED STORAGE BUILDING. CONNECT TO GP-22.24. REFER TO SHEET C-502, DETAIL 5 FOR PEDESTAL MOUNTING.
- PROVIDE CONNECTION FROM PANELBOARD GP TO EXISTING PANELBOARD IN MAIN ELECTRICAL ROOM (116B). PROVIDE 4 #1 + #8G, 2" C. (CONNECT TO EXISTING) 3 POLE, 100A BREAKER IN EXISTING PANELBOARD (116B) IN READINESS CENTER.
- ABANDONED.



PLAN REVISIONS	
Rev#	Description
1	ADDENDUM 2
	Date: 06/17/22
	Appr. KAO

DESIGNED BY: KAO
 DRAWN BY: BPD
 CHECKED BY: KAO
 DATE: 06/02/2022
 SCALE: AS NOTED
 DFE PROJECT NO: 235C20-313

STATE OF MAINE
 DEPARTMENT OF DEFENSE, VETERANS
 AND EMERGENCY MANAGEMENT

OAK POINT ASSOCIATES
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 231 MAIN STREET
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 207-283-0193

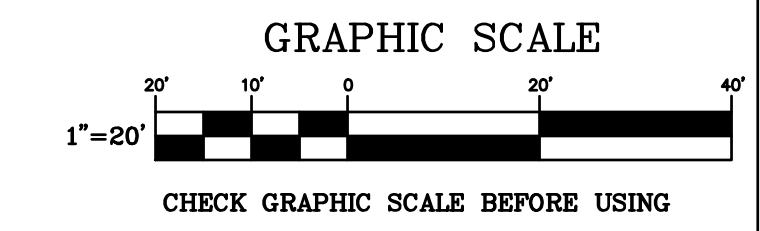
LEWISTON ARMORY
 UNHEATED STORAGE BUILDING
 55 ALFRED A. FLOURDE PARKWAY
 LEWISTON, MAINE

ELECTRICAL REMOVALS SITE PLAN
 AND ELECTRICAL SITE PLANS

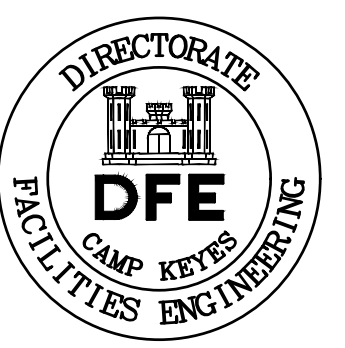
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SHEET ID:
ES101
 SHEET: 31 of 32



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PLAN REVISIONS	
Rev#	Description
1	ADDENDUM 2
06/17/22	KAO
	Date
	Appr.

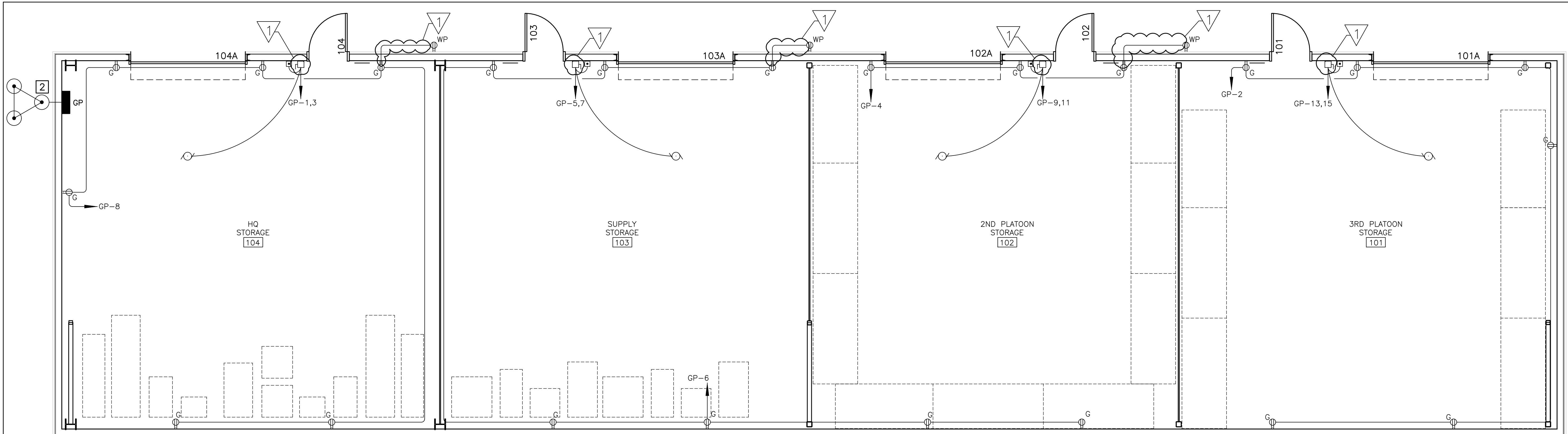
DESIGNED BY: KAO	DRAWN BY: BPD	CHECKED BY: KAO	DATE: 06/02/2022
SCALE: AS NOTED	DFE PROJECT NO: 235C20-313		

STATE OF MAINE
 DEPARTMENT OF DEFENSE, VETERANS
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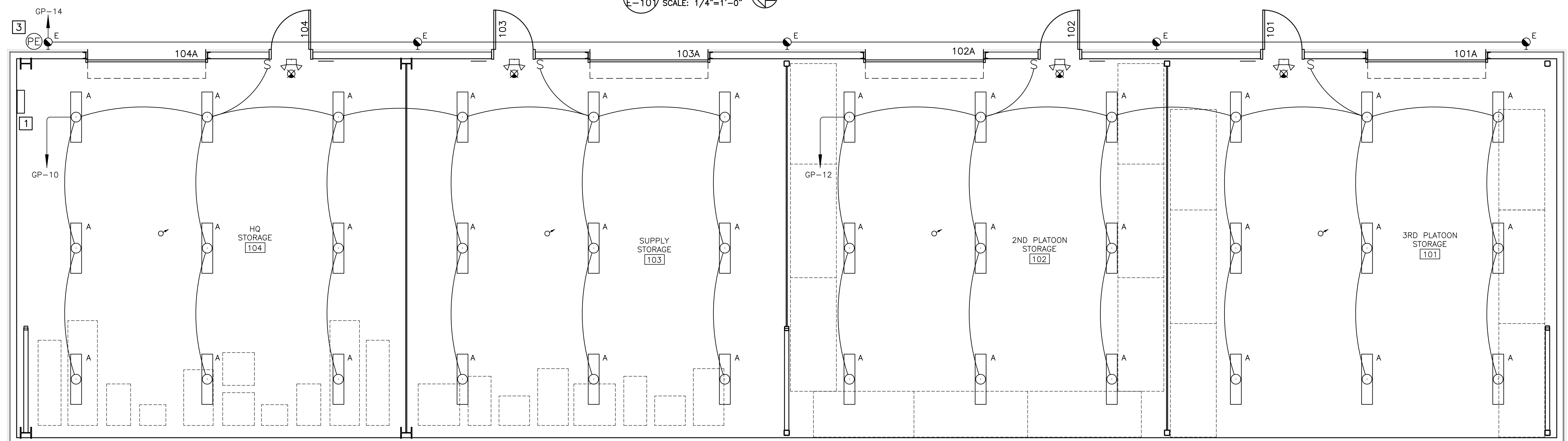
LEWISTON ARMORY
 UNHEATED STORAGE BUILDING
 55 ALFRED A. FLOURDE PARKWAY
 LEWISTON, MAINE
 ELECTRICAL POWER AND LIGHTING PLANS

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SHEET ID:
 E-101
 SHEET: 32 OF 32



1 ELECTRICAL PLAN
 E-101 SCALE: 1/4"=1'-0"



2 LIGHTING PLAN
 E-101 SCALE: 1/4"=1'-0"

GENERAL NOTES:

- REFER TO SHEET E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES, DETAILS, AND SCHEDULES.
- CONNECT EXIT SIGNS AND EMERGENCY FIXTURES TO LOCAL LIGHTING CIRCUITS AHEAD OF ANY SWITCHES, OCCUPANCY, SENSORS, ETC.

KEYNOTE: (THIS SHEET ONLY)

- MOUNT REMOTE INVERTER FOR EXTERIOR FIXTURES, CONNECT TO TYPE E FIXTURES.
- REFER TO SHEET E-001 DETAIL 1 FOR GROUNDING CONNECTIONS.
- PROVIDE DAWN TO DUSK CONTROL.

CONDUIT MARKING SCHEDULE					
SYSTEM	CONDUIT COLOR	ABOVE CEILING COLOR	FITTING COLOR	J BOX COLOR	BANDING: WHERE SURFACE MOUNTED
SURFACE	PAINTED TO MATCH EXISTING	SILVER (GALVANIZED)	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING
120V POWER	FACTORY SILVER	SILVER (GALVANIZED)	SILVER	SILVER	2" WIDE SILVER BAND
LIGHTING	FACTORY SILVER	YELLOW	YELLOW	YELLOW	2" WIDE YELLOW BAND
EMERGENCY LIGHTS	FACTORY SILVER	ORANGE	ORANGE	ORANGE	2" WIDE ORANGE BAND

- CONDUIT MARKING SCHEDULE NOTES:
- PROVIDE BANDS AT MAX SPACING OF 20 FEET.
 - PROVIDE BANDS ON EACH SIDE OF WALL OR FLOOR PENETRATIONS.
 - PROVIDE LABEL WITHIN JUNCTION BOXES TO INDICATE SERVICE TYPE.

