

GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMMUNICATIONS WITH ALL CITY, COUNTY, STATE, FEDERAL REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL AGENCIES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS AUTHORIZED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE VERIZON REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF A CONFLICT WITH THE APPLICABLE SPECIFICATIONS, THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE PROJECT CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S VENDOR'S SPECIFICATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ALL NECESSARY NOTATIONS, CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES, REQUIREMENTS AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, FAVEMENTS, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AS FEASIBLE AND REMOVE ALL DEBRIS, CONSTRUCTION AND DISPOSE OF ALL DEBRIS, TRASH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. DETAILS OF EQUIPMENT TO BE REMOVED IN ORDER TO PROTECT THE PROPERTY SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL NOTIFY THE VERIZON REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO REMOVE OR MATERIALLY ALTER ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED BY THE VERIZON REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC., ON THE JOB.
16. ALL UNISTRUT, HARDWARE, AND OUTDOOR JUNCTION BOXES SHALL BE GALVANIZED STEEL, FOR FIELD CUTS OF GALVANIZED ITEMS, FIRST COAT SHALL BE COLD GALVANIZED AND SECOND COAT SHALL BE MARINE GRADE GALVANIZED.
17. GENERAL CONTRACTOR TO PROVIDE PORTABLE BATHROOM FACILITIES DURING CONSTRUCTION.
18. RETURN ANY UNUSED MATERIALS WITH REQUIRED DOCUMENTATION TO THE VERIZON WAREHOUSE WITHIN 14 BUSINESS DAYS OF PROJECT COMPLETION. GENERAL CONTRACTOR NEEDS TO BE ACCOMPANIED WITH AN RMA FORM AND PACKAGING REQUIREMENTS STIPULATED BY THE VZN CONSTRUCTION ENGINEER.
19. WITHIN 24 HOURS, CONTRACTOR SHALL OUP AN REMEDY TICKET WITH THE VZN NOCC, AND PERFORM DAILY VISUAL MONITORING OR PROVIDE AN REMEDY MONITORING DEVICE UNTIL THE SITE IS ON AIR.
20. FILL OUT THE PROVIDED ENVIRONMENTAL EVALUATION SUMMARY (EES) AND SUBMIT WITHIN 24 HOURS OF COMPLETION OF THE WORK OUTLINED IN ATTACHMENT 'A' OF THE FORM.
21. CONTRACTOR IS RESPONSIBLE FOR STORAGE OF ALL MATERIALS PROVIDED BY VERIZON, AND IS LIABLE FOR THOSE MATERIALS ONCE PICKED UP FROM THE WAREHOUSE.
22. CONTRACTOR SHALL PERFORM A PUNCH WALK WITH VZN CONSTRUCTION TO OFFER CONTRACT REPRESENTATIVE PRIOR TO DECLARING CONSTRUCTION COMPLETE.
23. GENERAL CONTRACTOR SHALL PROVIDE A 10LBS. DRY-CHEMICAL FIRE EXTINGUISHER ON SITE DURING CONSTRUCTION. UPON COMPLETION OF ALL WORK, CONTRACTOR SHALL REMOVE FIRE EXTINGUISHER FROM SITE.

CODE ANALYSIS OVERALL SITE

APPLICABLE BUILDING CODES:	2017 DC BUILDING CODE 2015 IBC WITH 2017 DCMR12A SUPPLEMENT 2015 IBC WITH 2017 DCMR12J SUPPLEMENT. 2014 NEC WITH 2017 DCMR12C SUPPLEMENT 2015 IF6C WITH 2017 DCMR12D SUPPLEMENT. 2015 IFC WITH 2017 DCMR12H SUPPLEMENT 2012 IGCC WITH 2017 DCMR12K SUPPLEMENT 2015 IECC WITH 2017 DCMR12I SUPPLEMENT 2015 IPC WITH 2017 DCMR12G SUPPLEMENT 2015 IMC WITH 2017 DCMR12E SUPPLEMENT
INDUSTRY STANDARDS:	ASCE/SEI 7-2010 2010 ANSI/AISC 360 2010 ANSI/AISC 341 2010 ANSI S1000-07/52 2009 AISI S1000-07/51 2004 ASTM A325 OR A440 2015 AWS D1.1 2014 ACI 318 2011 ACI 530 2011 ACI 530.1 2016 TIA 222-G 2015 TIA 607-C 2012 IEEE81 2005 IEEE1100 2002 IEEE C62.41 TELECORDIA GR-1275 TELECORDIA GR-1503 1991 ANSI T1.311 FOR TELECOM 2011 NFPA 780 LIGHTNING PROTECTION CODE 2011

SITE INFORMATION	
USE GROUP:	UTILITY (U)
CONSTRUCTION TYPE:	IIB
PROPOSED COMPOUND AREA:	315 SQ. FT.
PAD AREA: (VERIZON WIRELESS EQUIPMENT PAD)	33 SQ. FT.
PAD AREA: (VERIZON WIRELESS GENERATOR PAD)	24.5 SQ. FT.
UTILITY COMPANY:	PEPCO

GENERATOR USE

THE PROPOSED VERIZON WIRELESS GENERATOR IS AN OPTIONAL STAND-BY UNIT AND DOES NOT SUPPLY LIFE SAFETY EQUIPMENT. THE GENERATOR IS USED TO BACKUP THE TELEPHONE EXCHANGE EQUIPMENT IN ORDER TO KEEP THE CELL SITE IN FULL OPERATION IN THE EVENT OF NORMAL UTILITY POWER FAIL. THEREFORE, NFPA 110 DOES NOT APPLY.

INDEX OF DRAWINGS

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PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF NEW VERIZON WIRELESS CONCRETE EQUIPMENT AND GENERATOR PADS FOR MOUNTING OF VERIZON WIRELESS EQUIPMENT AND STAND-BY GENERATOR WITHIN A PROPOSED FENCED COMPOUND. THE ASSOCIATED TWELVE (12) ANTENNAS WILL BE MOUNTED ON A PROPOSED 44'-0" REPLACEMENT LIGHT POLE AT A RAD CENTER OF 90'-0".

DIRECTIONS TO SITE

FROM JUNCTION DRIVE:

- MERGE ONTO MD-32 EAST
- TAKE EXIT #10C TO MERGE ONTO BALTIMORE-WASHINGTON PARKWAY
- TAKE RAMP ON RIGHT FOR US-50 WEST
- KEEP STRAIGHT TO STAY ON US-50 WEST
- CONTINUE ON MONTANA AVENUE NORTHEAST
- TURN LEFT ONTO US SOUTH RHODE ISLAND AVENUE NORTHEAST
- TURN RIGHT ONTO V STREET NORTHEAST
- TURN LEFT ONTO LINCOLN ROAD NORTHEAST
- TURN LEFT ONTO T STREET NORTHEAST
- TURN RIGHT ONTO LANGLEY COMMUNITY PARK NORTHEAST
- DESTINATION WILL BE ON YOUR RIGHT

VERIZON WIRELESS REVIEW

BUILDING OWNER	DATE
ENGINEERING	DATE
OPERATIONS	DATE
CONSTRUCTION	DATE

BUILDING OWNER	DATE
ENGINEERING	DATE
OPERATIONS	DATE
CONSTRUCTION	DATE



TEI

TELECENT ENGINEERING INC.
2216 Commerce Road, Suite 1
Forest Hill, MD 21050
410-692-5816
www.tel-eng.com



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RHODE ISLAND AVE
101 STREET NE
WASHINGTON D.C. 20002
DISTRICT OF COLUMBIA

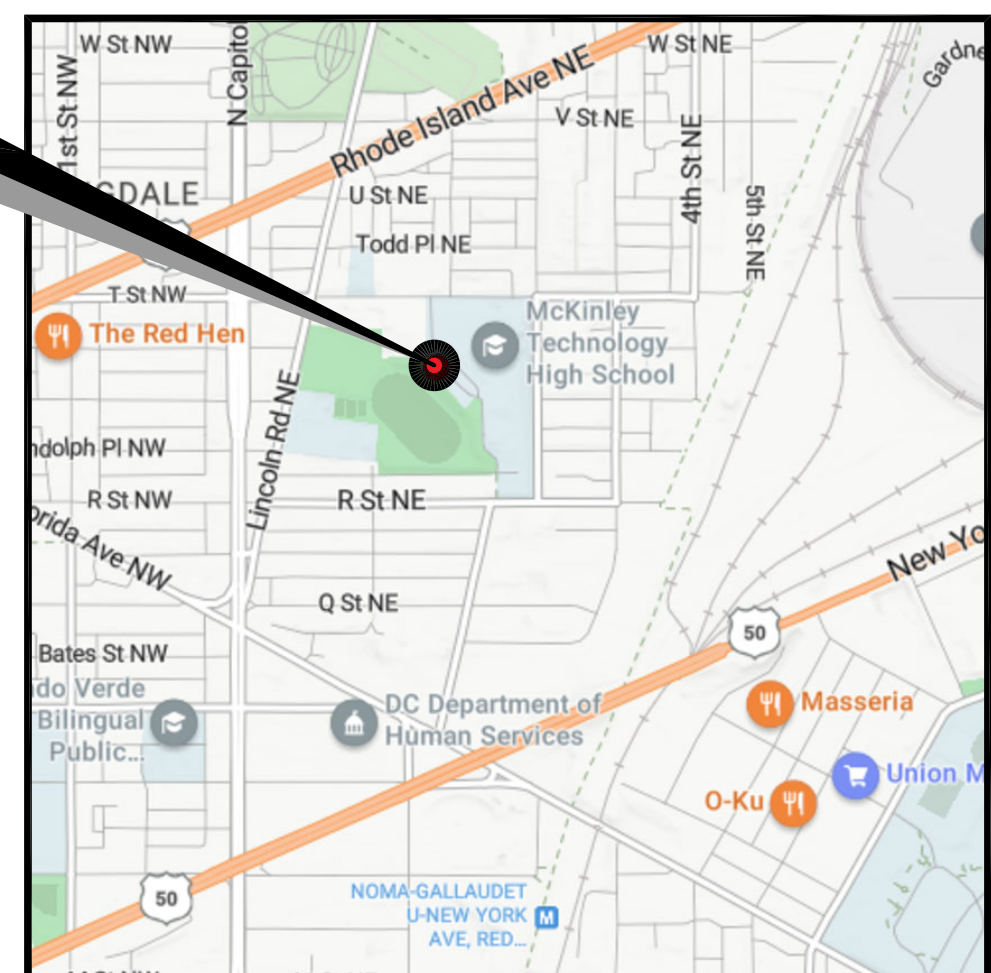
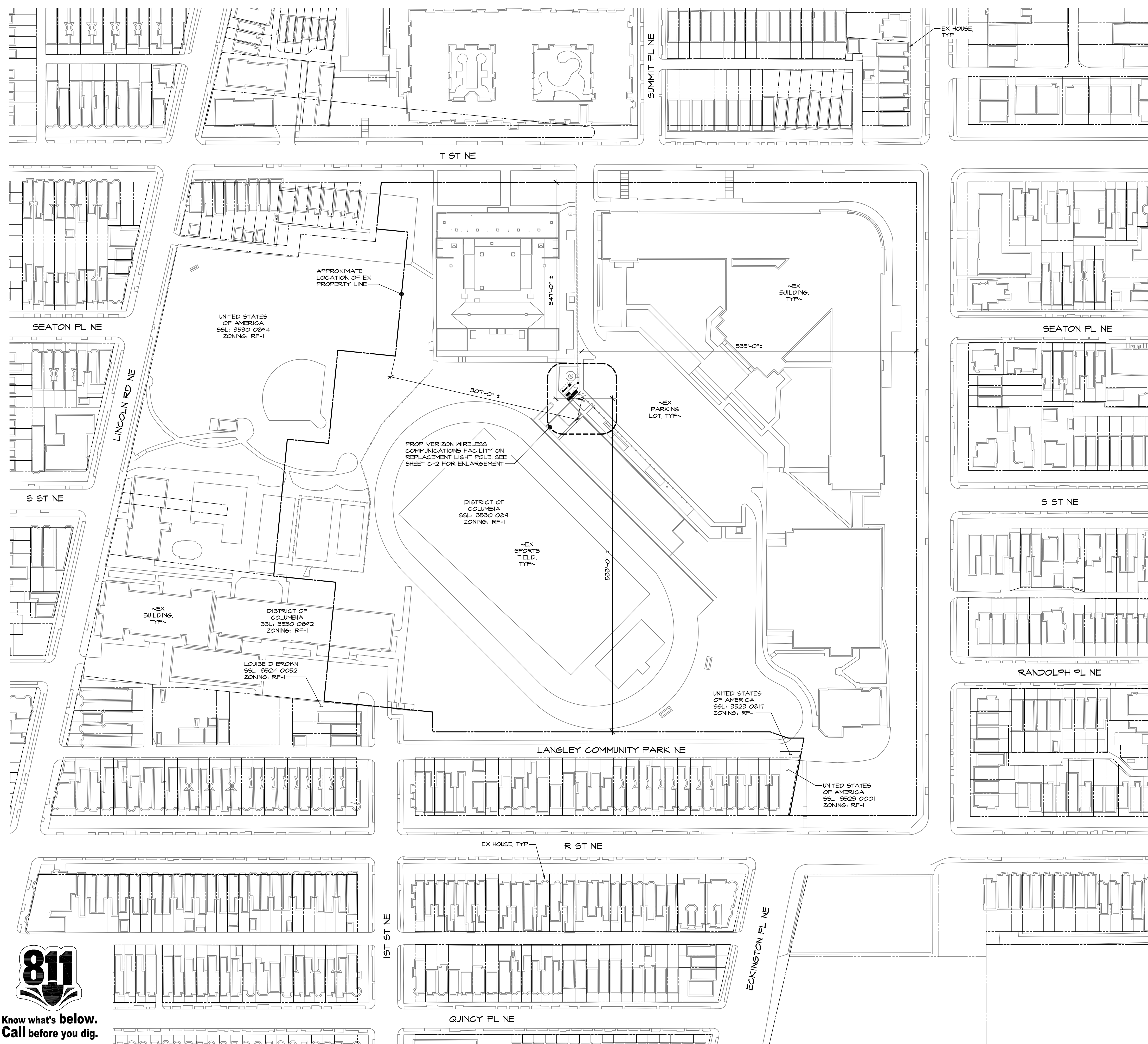
DESCRIPTION	DATE
VZW COMMENTS	08/08/2
PERMIT DRAWINGS	06/26/2

PROJECT NO: 23002Y

E:

PLAN, INDEX OF DRAWINGS, AND CODE ANALYSIS

CS-|
000|



VICINITY MAP
SCALE: 1" = 1000'

SITE NOTES:

- APPLICANT: VERIZON WIRELESS
12010 JUNCTION DRIVE, STE 300
ANNAPOLIS, MD 20701
TEL. (301) 512-2000
FAX (301) 512-2186
2. PROPERTY OWNER: DISTRICT OF COLUMBIA
2000 14TH ST NW
6TH FLOOR
WASHINGTON, DC 20004
3. SITE DATA: DEED BOOK, 1858 PAGE, *
SSL ID, 3890 0841
TRACT AREA, 400,247.0 SF
NEIGHBORHOOD, 014
ADDRESS: 101 T ST NE
WASHINGTON, DC 20002
EXISTING USE, SCHOOL / TELECOMMUNICATIONS
4. ZONING: RF-1 - RESIDENTIAL FLAT
5. HORIZONTAL AND VERTICAL CONTROL SHOWN HEREON IS BASED ON A GPS LATITUDE BY MORRIS & RITCHIE ASSOCIATES, INC., DATED DECEMBER 13, 2023:
LATITUDE: N89° 54' 52.32" (38.914592°) GROUND ELEVATION: 145.00' AMSL (AVG.)
LONGITUDE: W77° 00' 19.64" (-77.005470°) PROPOSED STRUCTURE HEIGHT: 44.00' ASL
TOTAL ELEVATION HEIGHT: 294.00' AMSL
6. TOTAL DISTURBED AREA = 960 SF
7. THE PROPOSED FACILITIES WILL CONSIST OF ONE (1) 11'-0" LONG x 3'-0" WIDE CONCRETE EQUIPMENT PAD, ONE (1) 7'-0" LONG x 3'-6" WIDE CONCRETE GENERATOR PAD AND ASSOCIATED ELECTRICAL EQUIPMENT WITHIN A GRAVELED 30'-0" x 90'-0" FIFTEEN (12) ANTENNAS SHALL BE MOUNTED ON A NEW 4'-0" REPLACEMENT TILT POLE WITH A RAD CENTER ELEVATION OF 90'-0" ABOVE GRADE LEVEL FOR THE RECEPTION OF VERIZON WIRELESS COMMUNICATIONS.
8. THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR AIRCRAFT WARNING OR OTHER SAFETY RECORDS.
9. THE APPLICANT WILL PROVIDE A CERTIFICATION FROM A REGISTERED ENGINEER THAT THE STRUCTURE WILL MEET THE APPLICABLE DESIGN STANDARDS FOR WIND LOADS PER THE REQUIREMENTS OF THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION.
10. IF THE ANTENNAS ARE NO LONGER USED FOR TELECOMMUNICATIONS PURPOSES FOR A CONTINUOUS PERIOD OF ONE (1) YEAR, THEY SHALL BE REMOVED BY THE ANTENNA OWNER AT OWNER'S EXPENSE.
11. NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
12. STORMWATER MANAGEMENT NOTE: NO STORMWATER MANAGEMENT IS REQUIRED FOR THIS SITE.
13. BOUNDARY SHOWN PER CITY RECORDS.
14. THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. PLAN IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
15. ALL DETAILS SHOWN ARE "STANDARD" OR "TYPICAL" FOR REFERENCE ONLY. FOR ACTUAL DETAILS, SEE ARCHITECTURAL, STRUCTURAL, OR CONSTRUCTION PLANS BY OTHERS.
16. STRUCTURAL ANALYSIS/DESIGN TO BE PERFORMED BY OTHERS AT CLIENT AND/OR OWNER'S DISCRETION PRIOR TO COMMENCEMENT OF ANY WORK.
17. THE COMMUNICATION EQUIPMENT SHALL BE UNMANNED, WITH INFREQUENT VISITS (FOUR OR FEWER PER YEAR) BY MAINTENANCE PERSONNEL, AND WITH ACCESS AND PARKING FOR NO MORE THAN ONE VEHICLE. THE PROPOSED FACILITY IS NOT FOR HUMAN OCCUPATION AND THEREFORE HANDICAP ACCESS IS NOT REQUIRED.
18. THE PROPOSED COMMUNICATIONS EQUIPMENT, ANTENNAS AND RELATED MOUNTING DEVICES DO NOT EXCEED TWELVE (12) FEET IN TOTAL HEIGHT.

GENERAL NOTES

1. CONTRACTOR SHALL NOT "MISS UTILITY" (B)1 48 HOURS PRIOR TO DOING ANY EXCAVATION IN THIS AREA. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS AND DEPTHS ARE NEARLY CORRECT. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR PLANNING PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO, DAMAGE TO EXISTING UTILITIES, DAMAGE TO ANY AND ALL UNDERGROUND UTILITIES, DAMAGE TO UTILITIES OR PROPERTY OF OTHER BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES, THE LATEST EDITION THEREOF.
3. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS.
5. THESE PLANS ARE NOT FOR RECORDATION OR CONVEYANCE.
6. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.

SETBACK CHART		
	REQUIRED	PROVIDED
NORTH	94'-0"	347'-0"±
EAST	94'-0"	535'-0"±
SOUTH	94'-0"	533'-0"±
WEST	94'-0"	307'-0"±



**MORRIS & RITCHIE
ASSOCIATES, INC.**
Civil / Structural Engineers
1220-B East Joppa Road, Suite 4
Towson, Maryland 21286
410-821-1690
410-821-1748 Fax



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101 T STREET NE
WASHINGTON, DC 20002
(DISTRICT OF COLUMBIA)

REVISIONS:		
NO.	DESCRIPTION	DATE
	VZW COMMENTS	08/09/24
	PERMIT DRAWINGS	06/26/24

DESIGNED BY:	BES
DRAWN BY:	DNT/UY
REVIEWED BY:	AJL
PROJECT NO:	10427.3337
DATE:	03/10/2024

TITLE:

Site Plan

SHEET:

C-1



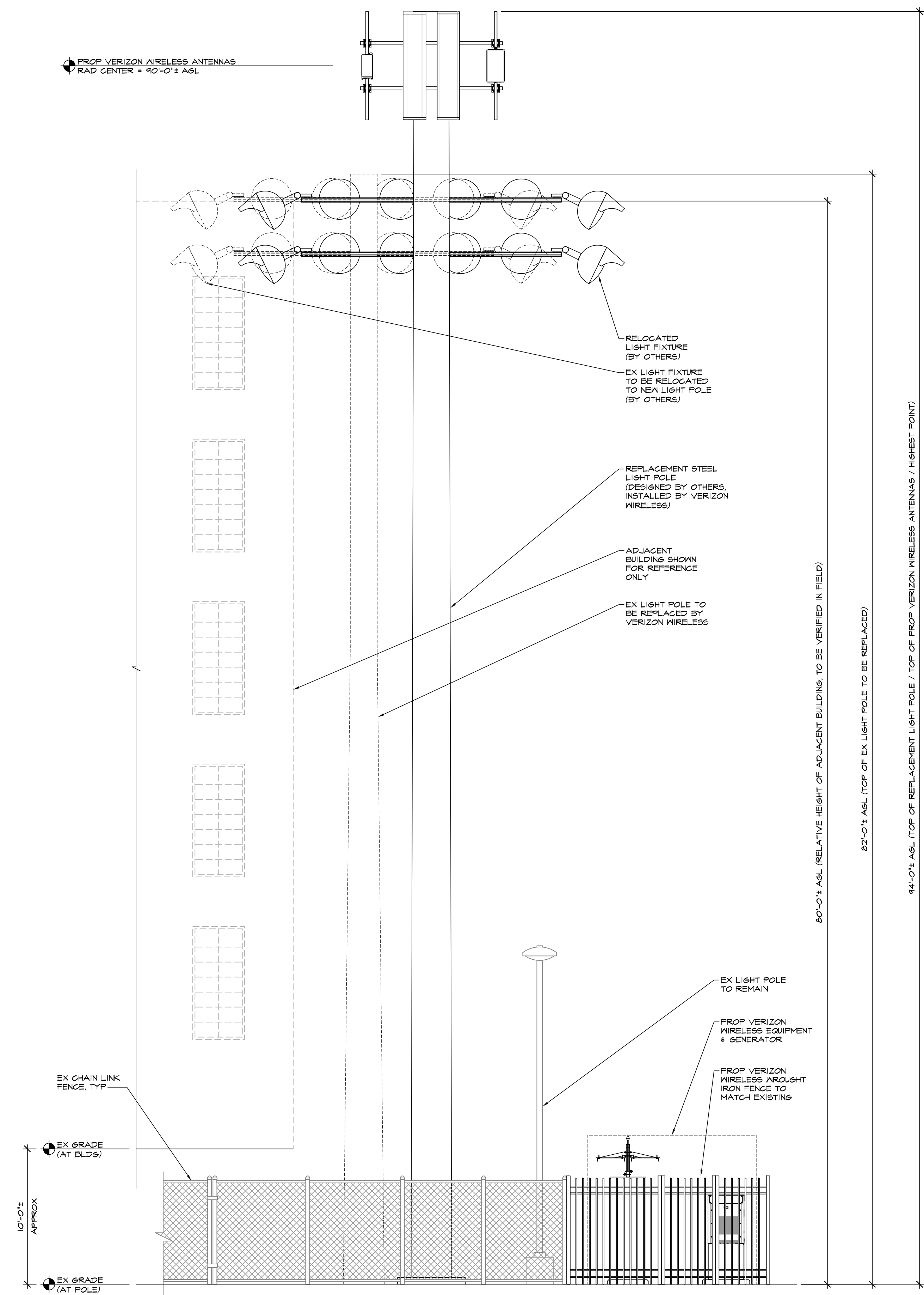
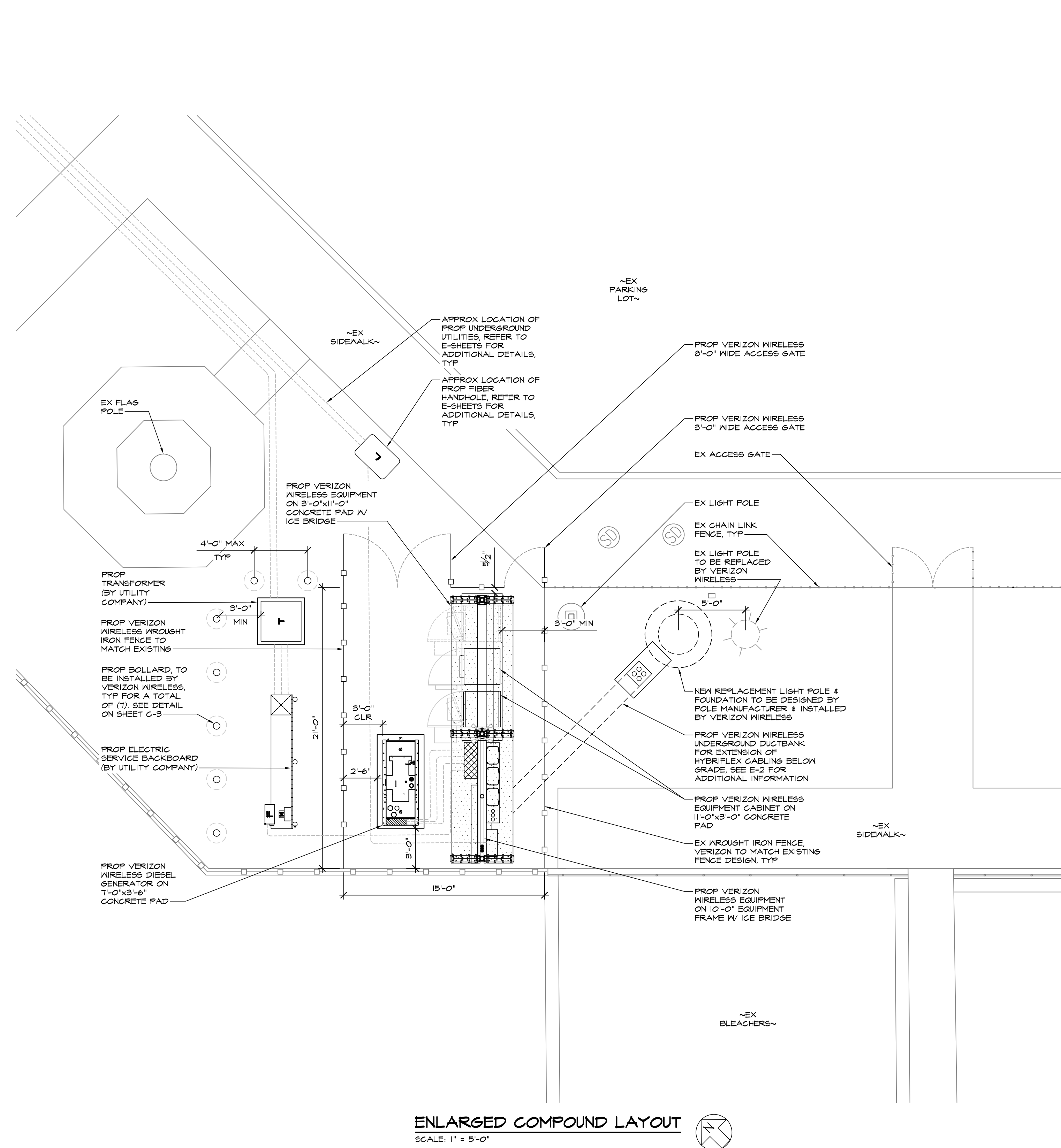
Know what's **below.**
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PROTECT YOURSELF, GIVE THREE

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

SITE PLAN
SCALE: 1" = 80'-0"





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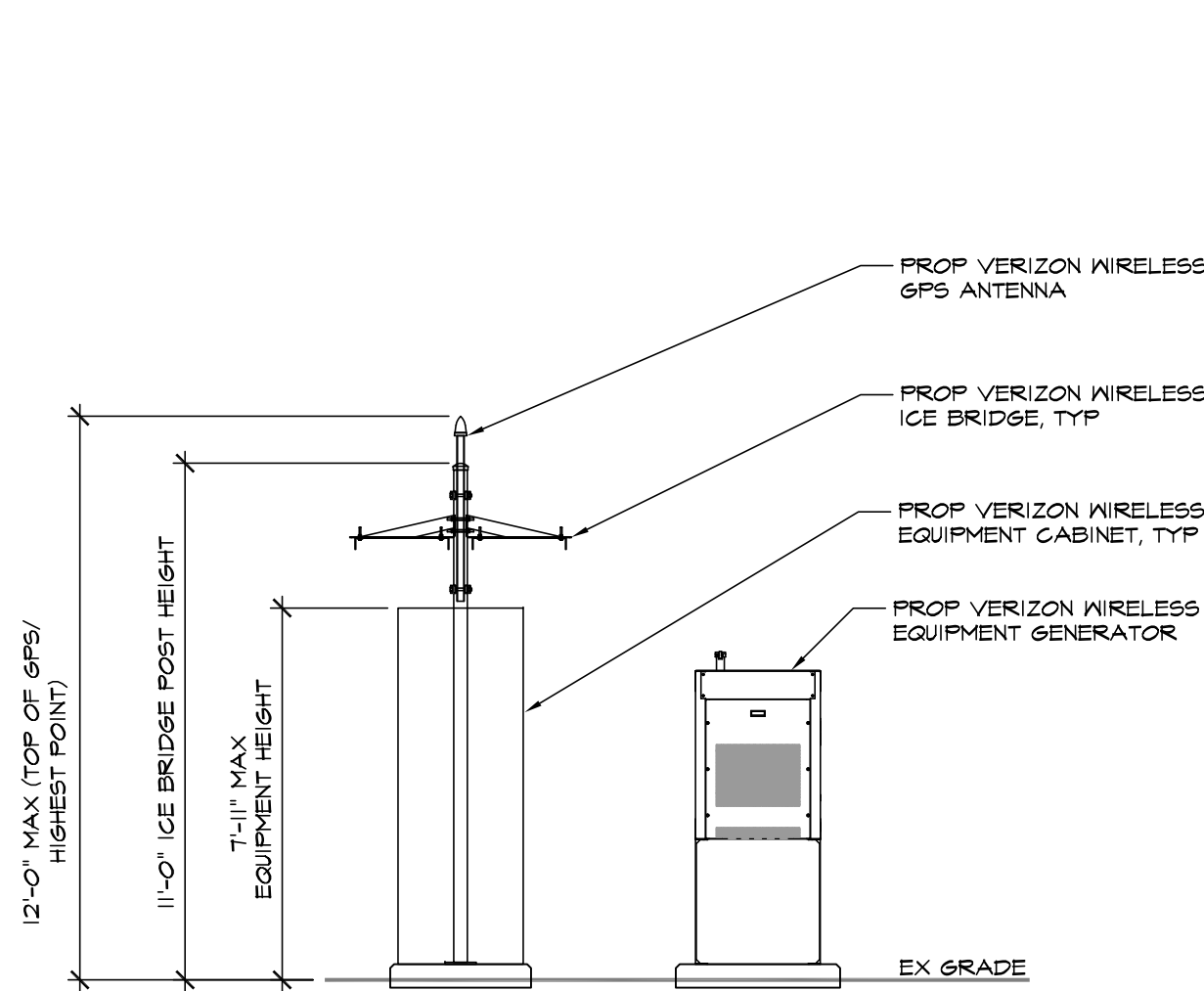
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NO.	DESCRIPTION	DATE
	VZW COMMENTS	08/09/24
	PERMIT DRAWINGS	06/26/24
DESIGNED BY:		BES
DRAWN BY:		DNT/JY
REVIEWED BY:		AJL
PROJECT NO:		10427.3337
DATE:		03/18/2024

TITLE:

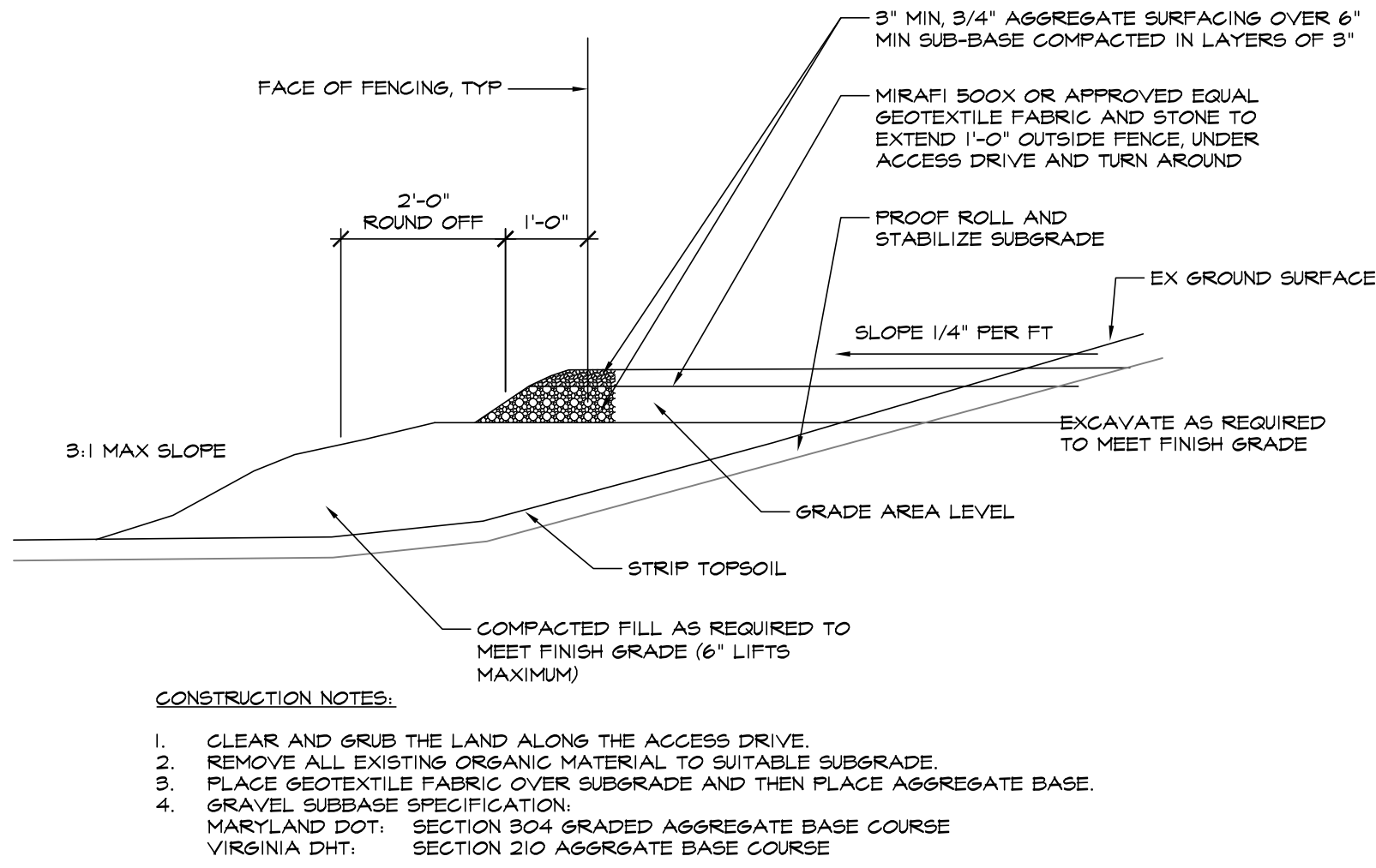
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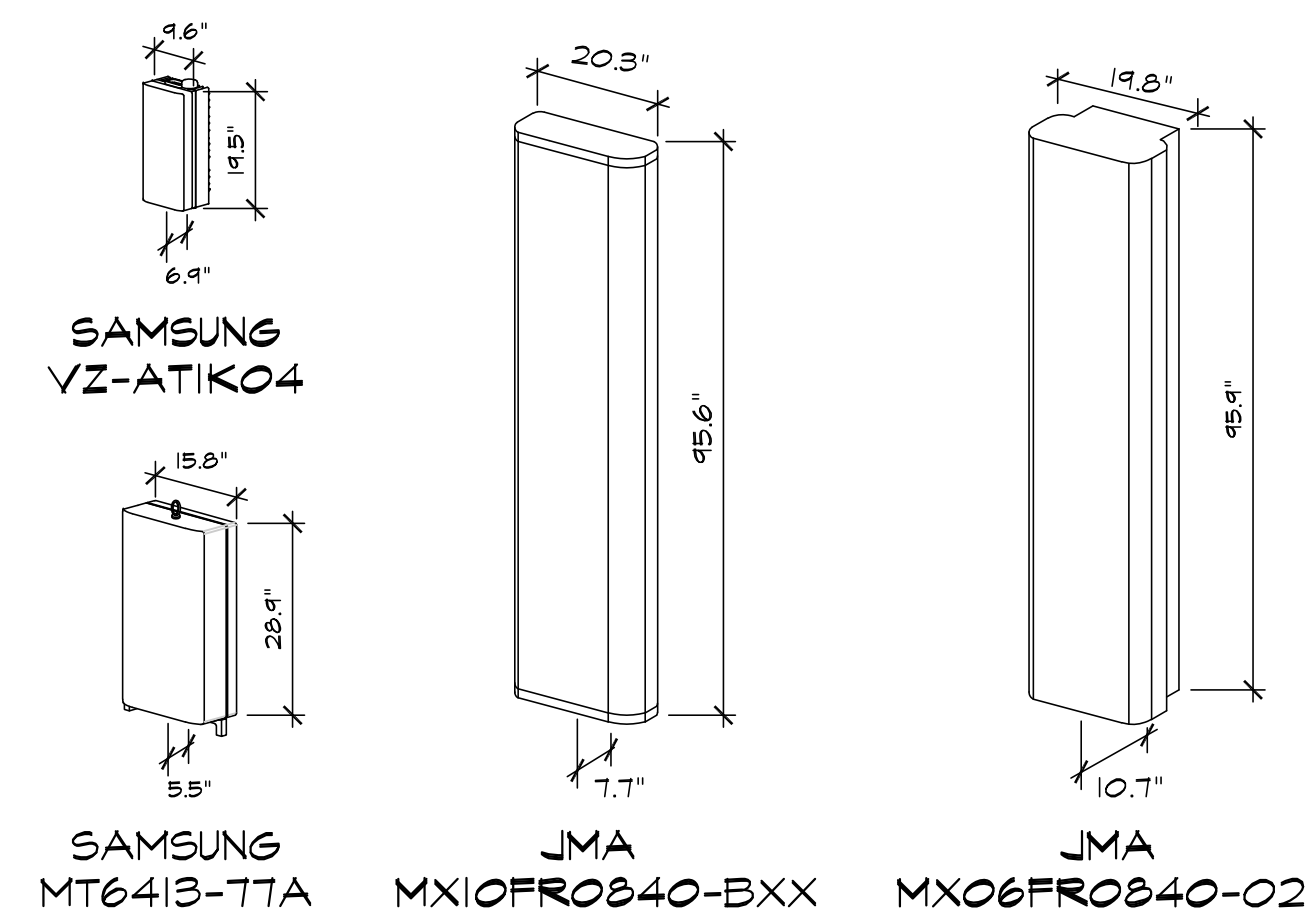
C-2



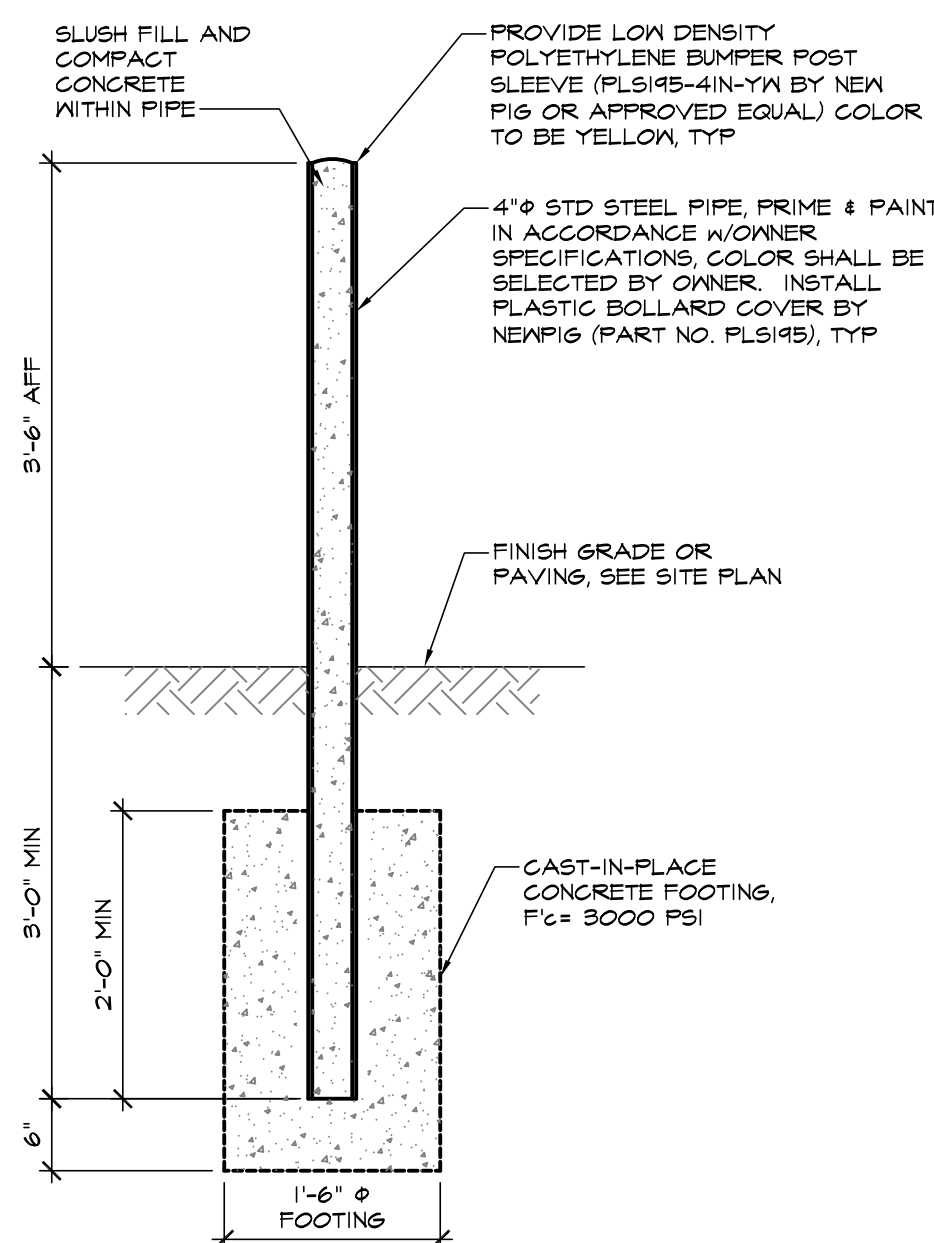
CONCRETE PAD ELEVATION W/ DIESEL GENERATOR
SCALE: 1/4" = 1'-0"



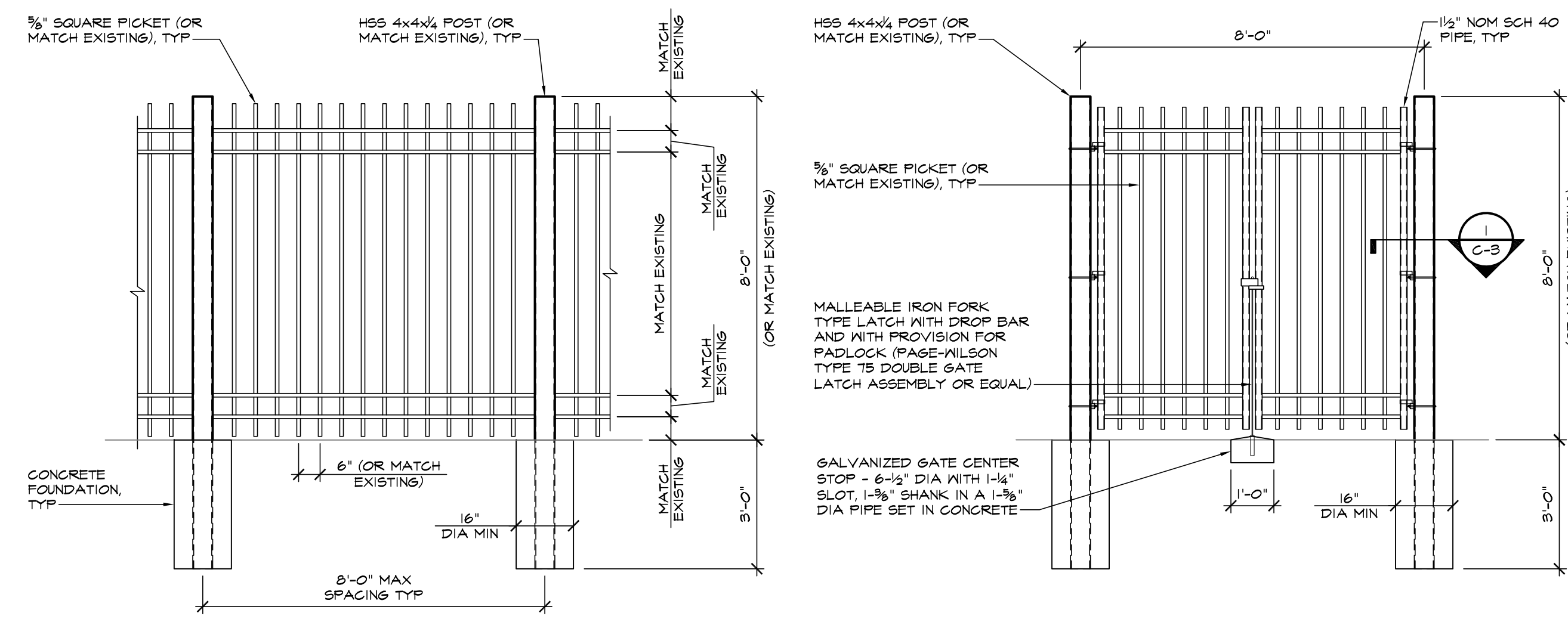
LEASE AREA, ACCESS DRIVE & TURN AROUND AREA SURFACING
SCALE: 1/2" = 1'-0"



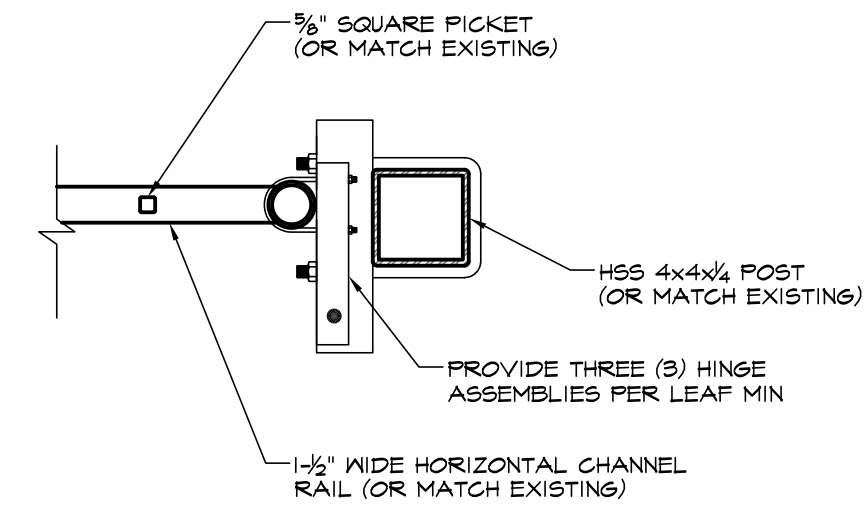
VERIZON WIRELESS ANTENNA DETAILS
NOT TO SCALE



4" CONCRETE BOLLARD
SCALE: 3/4" = 1'-0"



A TYP WROUGHT IRON FENCE AND GATE DETAIL
SCALE: 3/8" = 1'-0"



C-3 RAIL TO PIPE CONNECTION
SCALE: 1-1/2" = 1'-0"

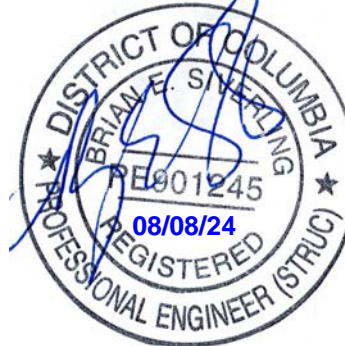


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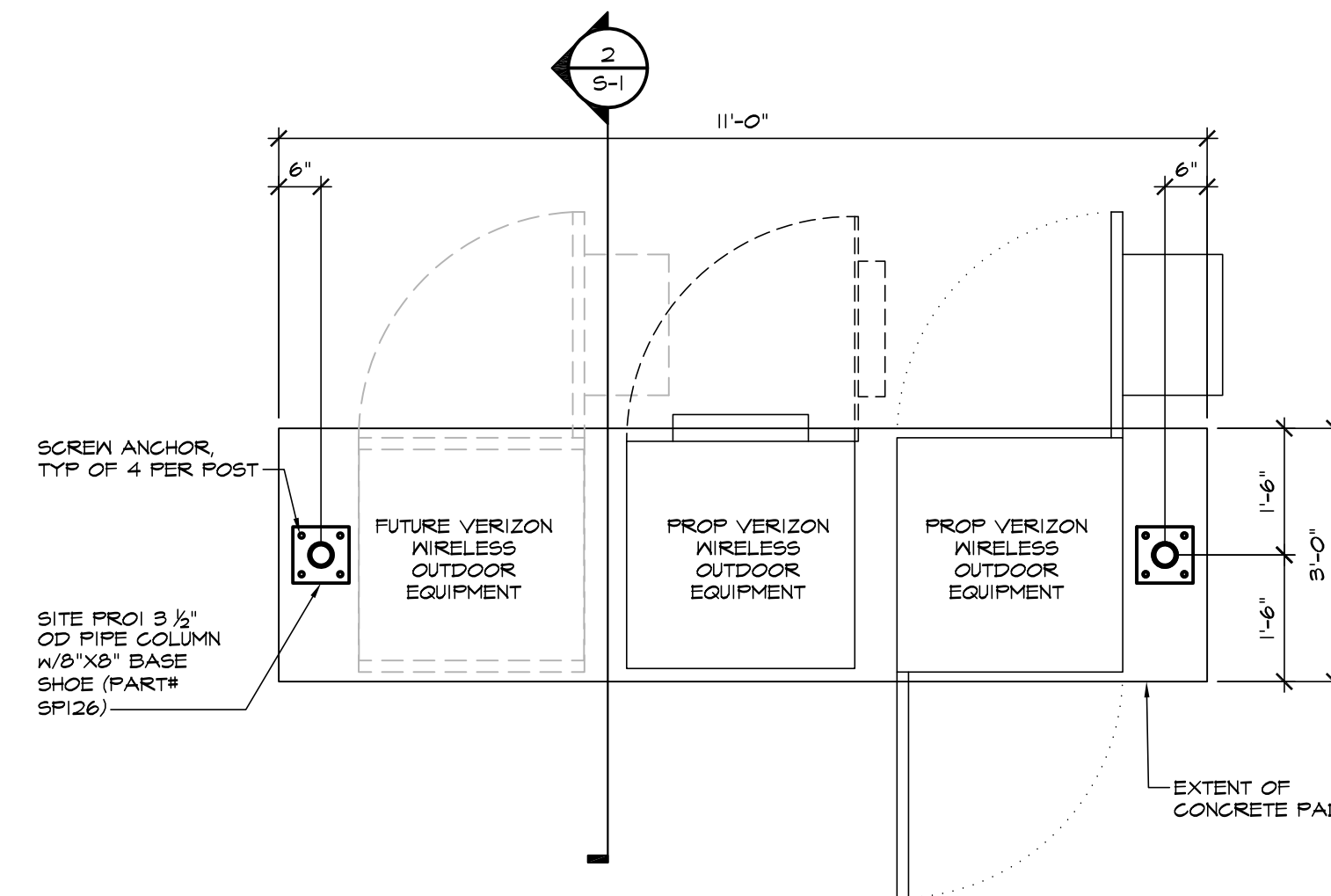
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NO.	DESCRIPTION	DATE

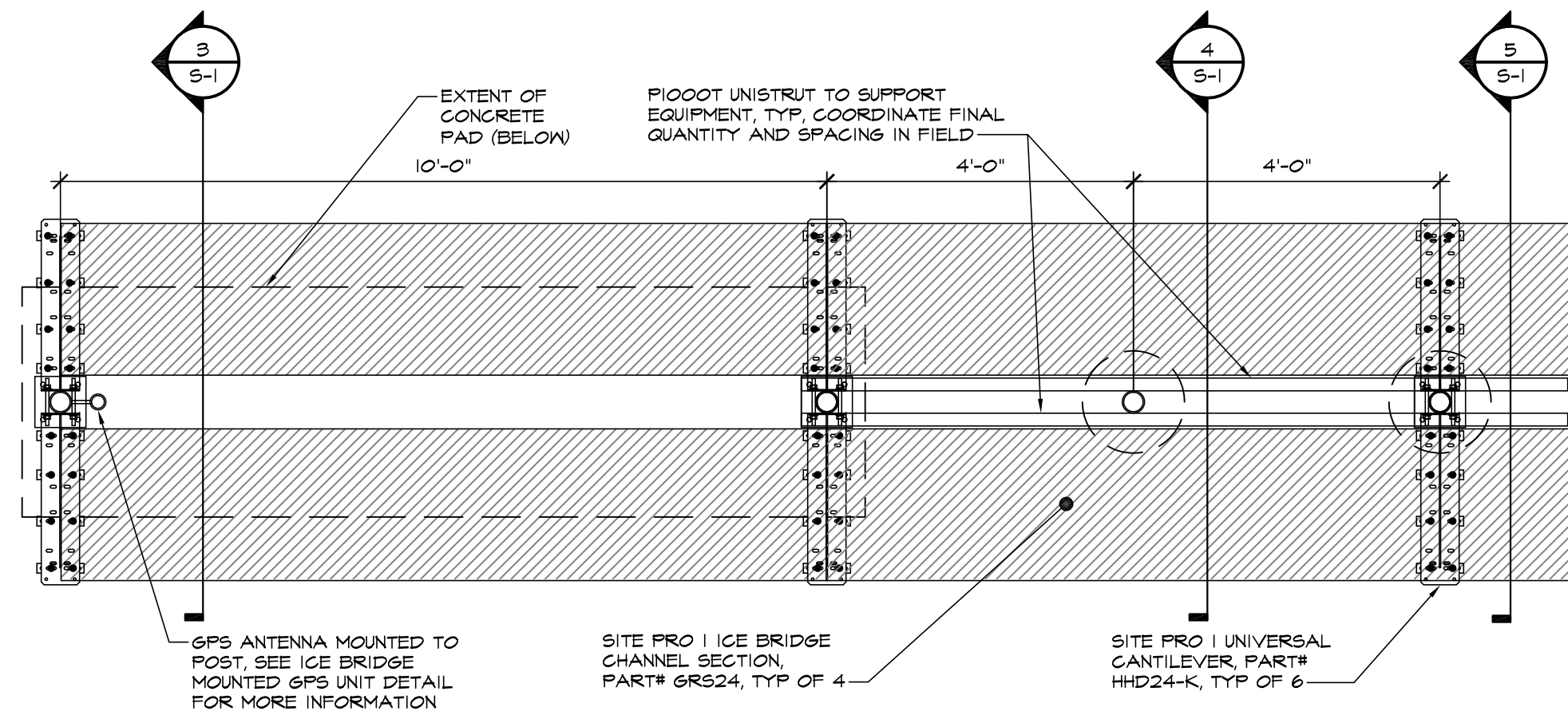
DESIGNED BY: BES
DRAWN BY: DNT/UY
REVIEWED BY: AJL
PROJECT NO: 10427.3337
DATE: 03/18/2024

TITLE:
**Antenna
& Equipment
Details**

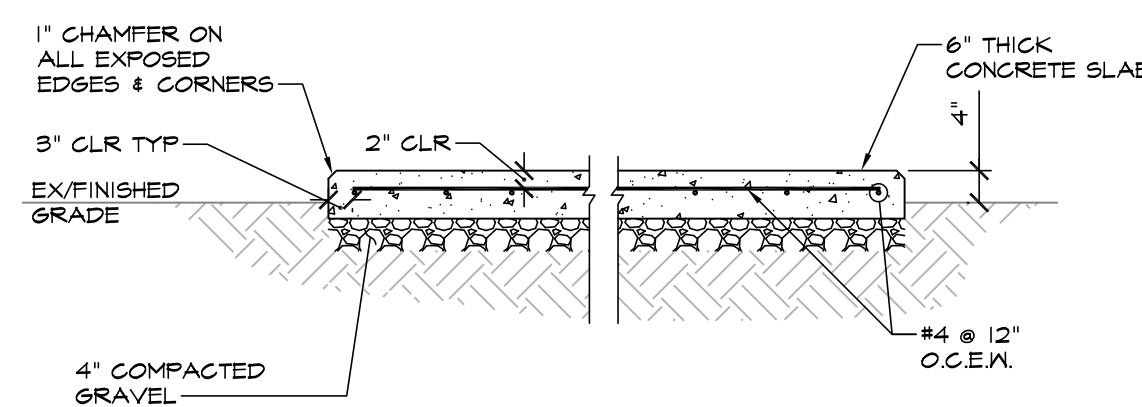
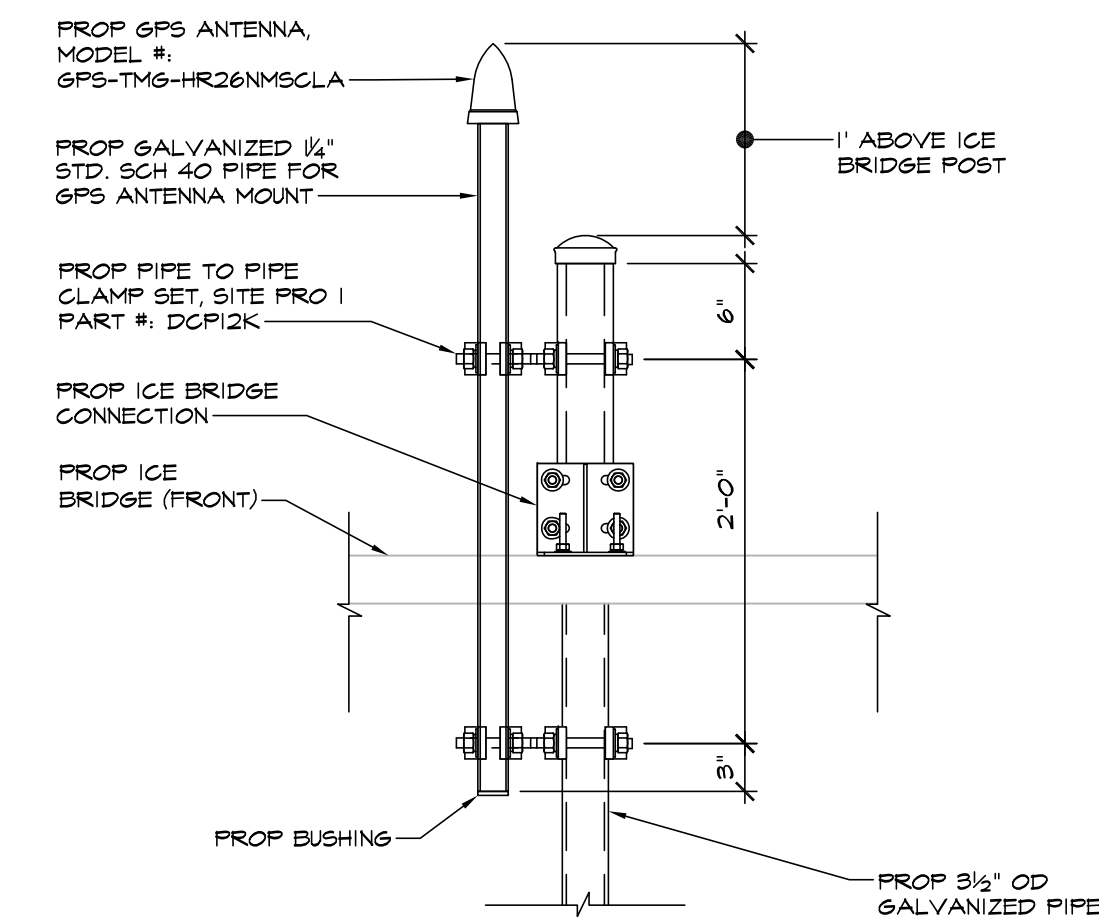
SHEET:
C-3



SLAB-ON-GRADE PLAN
SCALE: 1/2" = 1'-0"



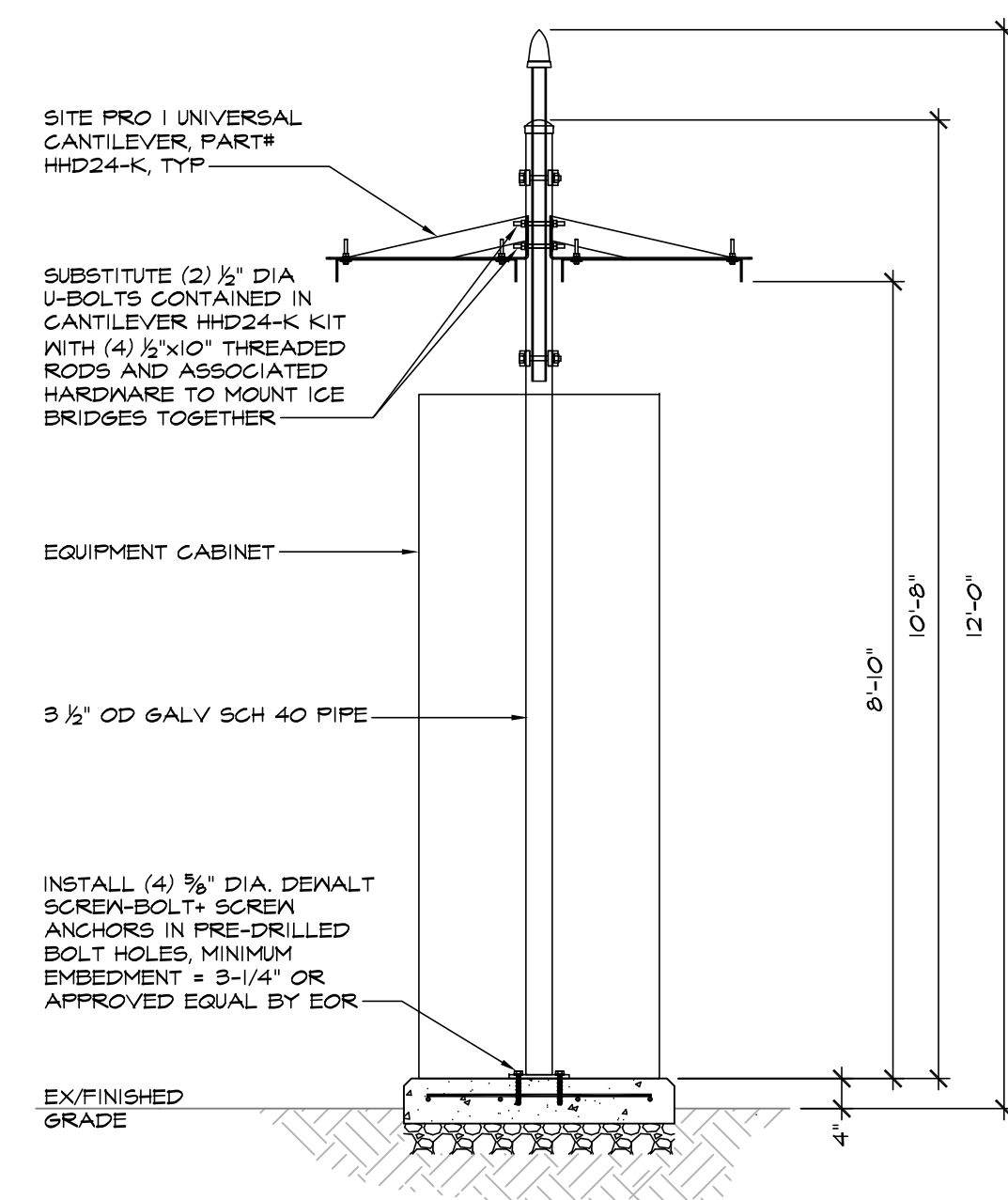
EQUIPMENT ICE BRIDGE PLAN
SCALE: 1/2" = 1'-0"



2
S-1

CONCRETE EQUIPMENT PAD

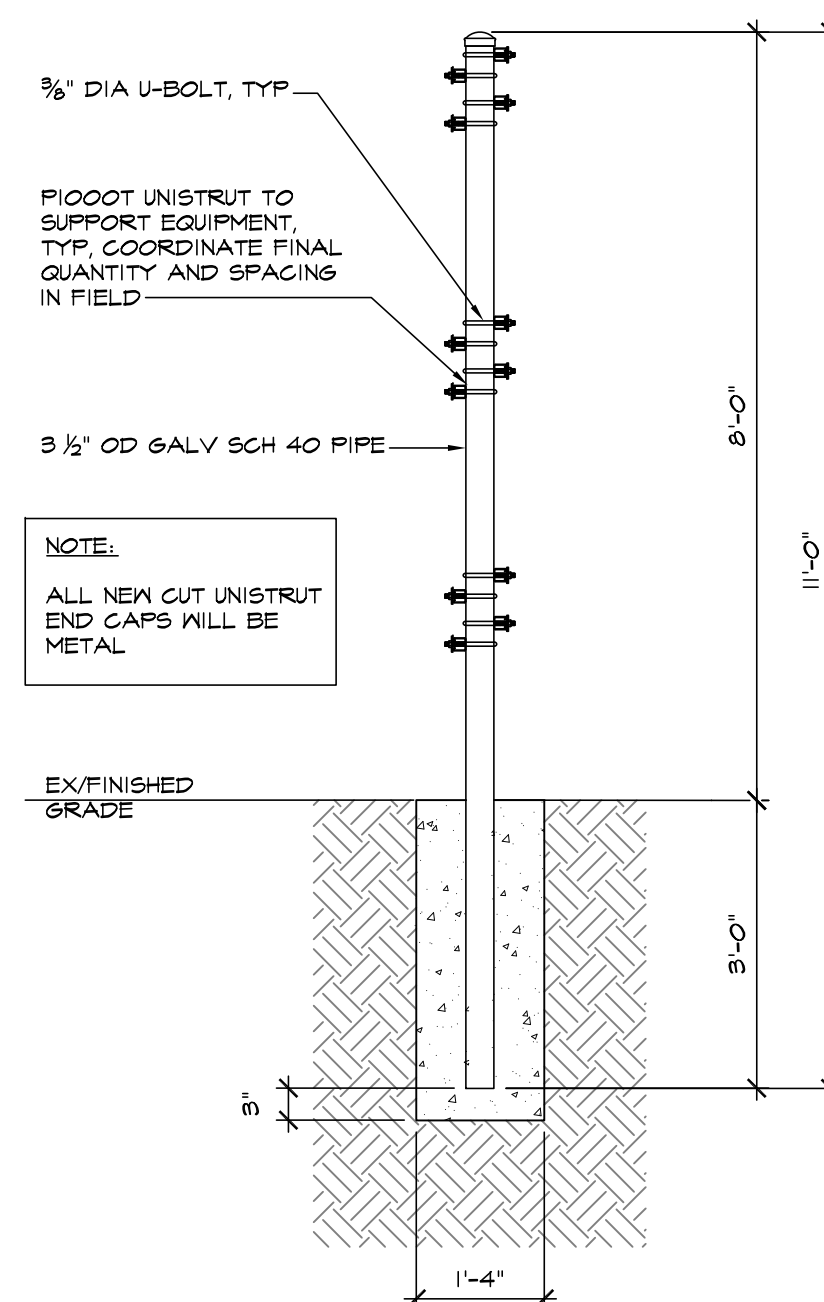
SCALE: 1/2" = 1'-0"



MOUNTED TO CONCRETE PAD

ICE BRIDGE/ H-FRAME SUPPORT

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

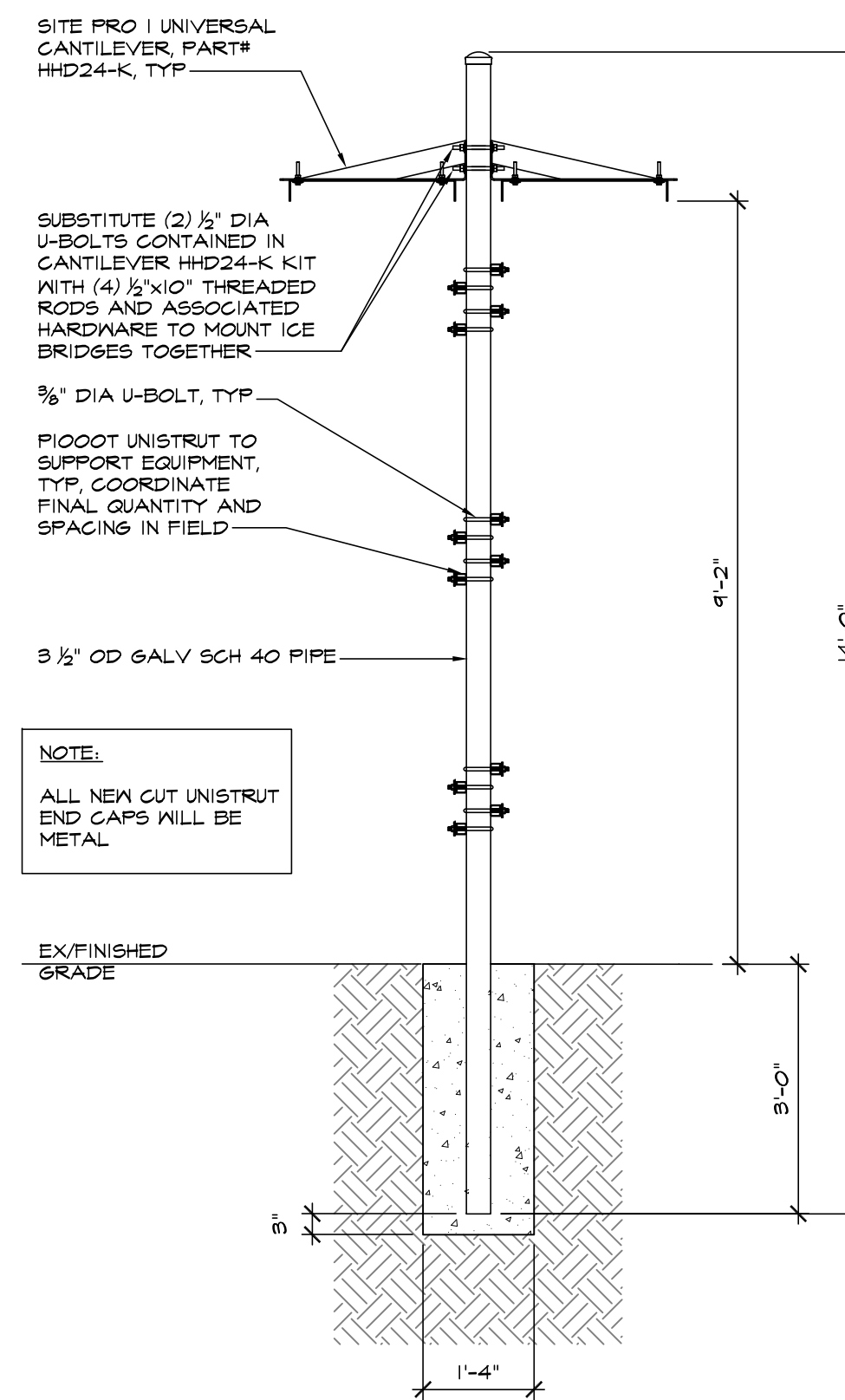


DIRECT BURIED

4
S-1

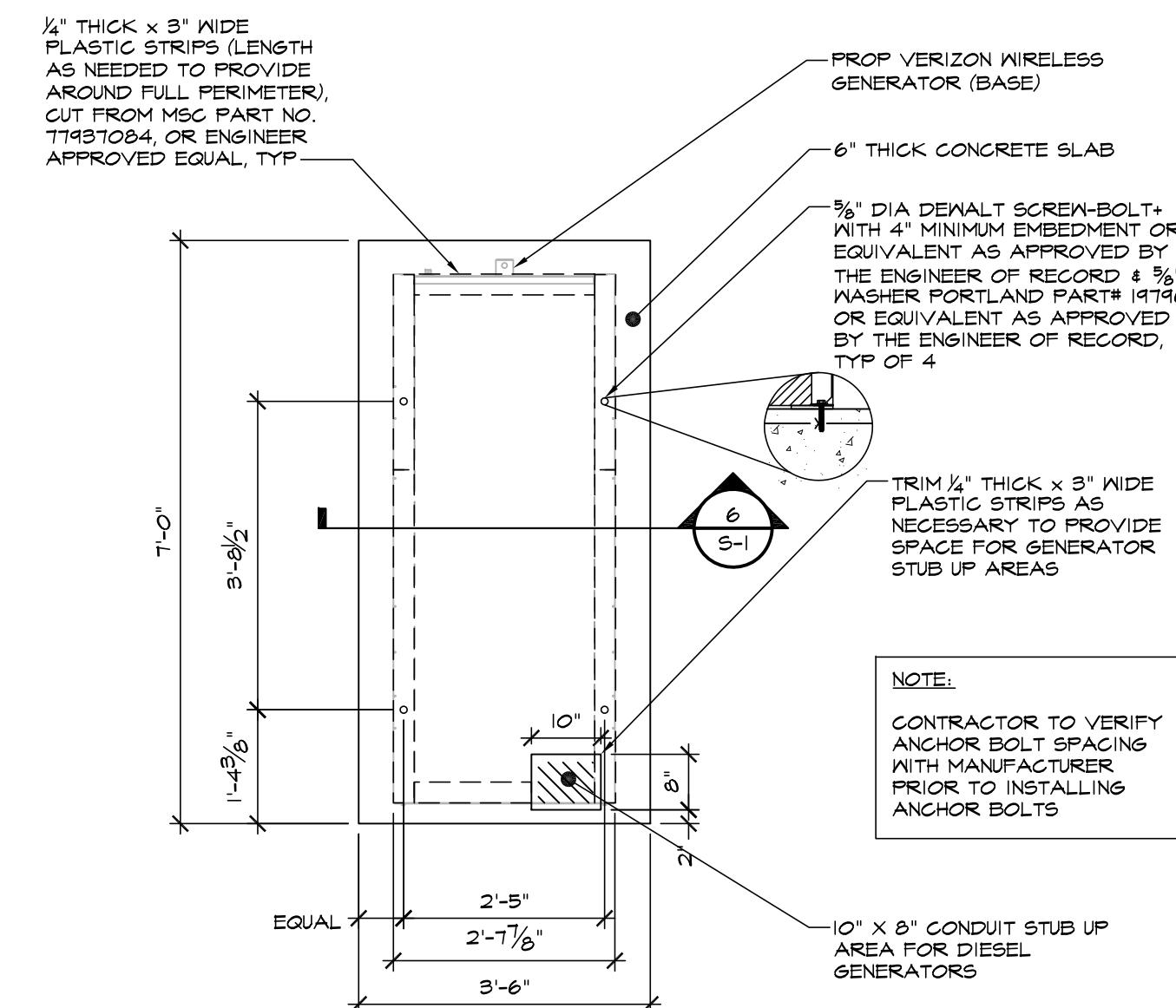
H-FRAME SUPPORT

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

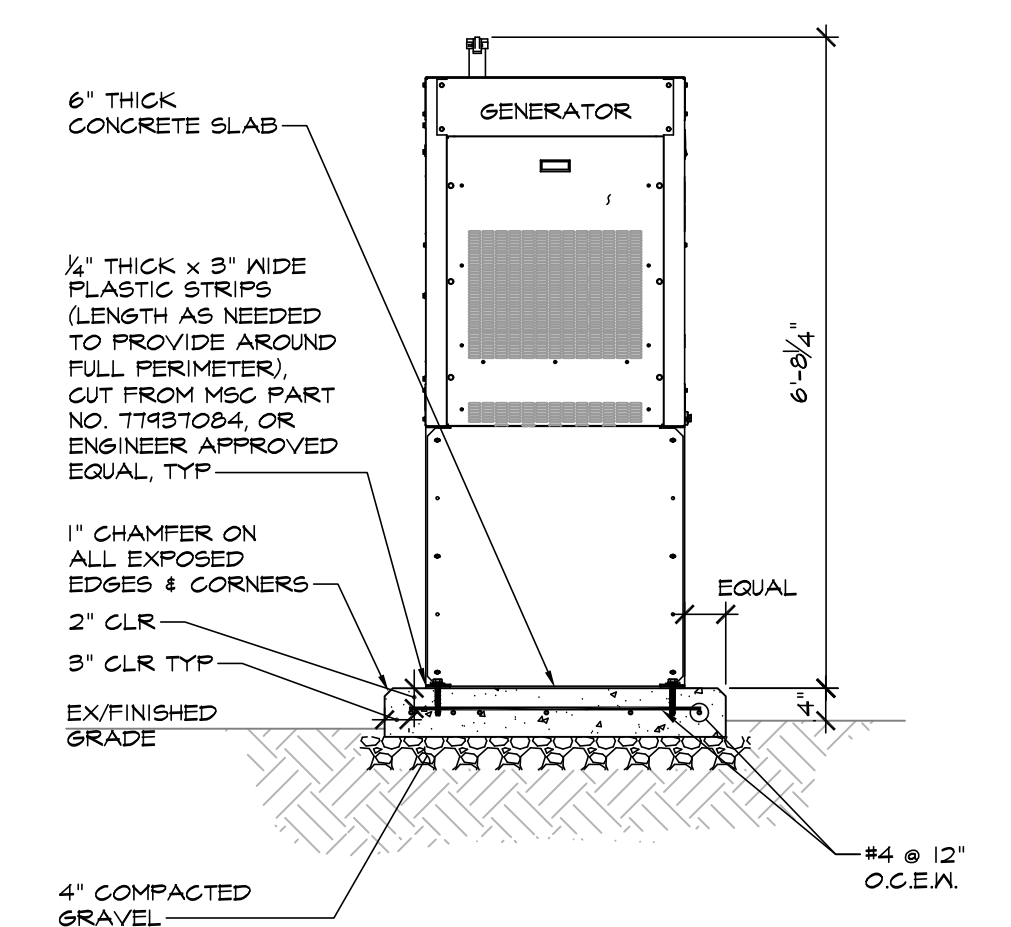


DIRECT BURIED

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C 30KW GENERATOR BOLT/ SPACER PAD PATTERN (DIESEL)
SCALE: 1/2" = 1'-0"



6
S-1

GENERATOR FOUNDATION SLAB

SCALE: $\frac{1}{2}" = 1'-0"$



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THIS DRAWING DOES NOT INCLUDE NECESSARY
COMPONENTS FOR CONSTRUCTION SAFETY. ALL
CONSTRUCTION MUST BE DONE IN COMPLIANCE
WITH THE OCCUPATIONAL SAFETY AND HEALTH
ACT OF 1970 AND ALL RULES AND REGULATIONS
THERE TO APPURTENANT.



**MORRIS & RITCHIE
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Civil / Structural Engineers
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I AM RESPONSIBLE FOR DETERMINING THAT THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION ARE IN COMPLIANCE WITH ALL LAWS AND REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED, OR DIRECTLY SUPERVISED THE DEVELOPMENT OF THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION.

verizon
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WASHINGTON, DC 20002
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REVISONS:		
NO.	DESCRIPTION	DATE
	VZW COMMENTS	08/09/24
	PERMIT DRAWINGS	06/26/24
DESIGNED BY:		BES
DRAWN BY:		DNT/JY
REVIEWED BY:		AJL
PROJECT NO:		10427.3337
DATE:		03/18/2024

TITLE:

**Structural
Details**

SHEET:

S-1

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
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2. NO WIRE SMALLER THAN NO. TWELVE (12) AWG SHALL BE USED UNLESS OTHERWISE INDICATED. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FROM TERMINAL BOARD TO POINT OF FINAL CONNECTION, AND NO SPLICE SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES. ALL CONDUCTORS SHALL BE COLOR CODED AS INDICATED. ALL WIRES SHALL BE AT LEAST 1/2" AND LARGER SHALL BE STRANDED. THE CONTRACTOR SHALL MAKE WIRING CONNECTIONS OF ALL ELECTRICAL EQUIPMENT REQUIRING ELECTRICAL SERVICE. WIRES AND CABLES SHALL BE AS MANUFACTURED BY PIRELLI, ROYAL AND TRIANGLE OR EQUIVALENT.
3. ALL WIRING SHALL BE COLOR CODED. MATCH EXISTING SYSTEM COLOR CODING WHERE APPLICABLE.

- C. DISCONNECTS:

11. FURNISH AND INSTALL SAFETY SWITCHES WHERE INDICATED AND AS REQUIRED FOR MOTOR OUTLETS OR OTHER EQUIPMENT. SWITCHES SHALL BE OF SIZE, NUMBER OF POLES AND FUSED OR NON-FUSED, AS REQUIRED FOR JOB CONDITIONS AND THE NATIONAL ELECTRICAL CODE.

- D. PANELBOARDS:

1. THE CONTRACTOR SHALL BALANCE THE LOADS ON ALL PANELBOARDS AS CLOSELY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.
2. FURNISH AND INSTALL, WHERE INDICATED ON THE DRAWINGS, AUTOMATIC CIRCUIT BREAKER PANELBOARDS COMPLETE WITH ENCLOSING CABINETS, ENCLOSURES SHALL BE NEMA 3B WHERE EXPOSED TO WEATHER AS INDICATED. PANELBOARDS AND ENCLOSING CABINETS SHALL MEET ALL STANDARDS ESTABLISHED BY UNDERWRITERS' LABORATORIES, INC. AND REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.

3. ALL PANELBOARD INTERIORS SHALL BE FACTORY ASSEMBLED, COMPLETE WITH CIRCUIT BREAKERS AS SCHEDULED ON THE DRAWINGS. INTERIORS SHALL BE DESIGNED AND ASSEMBLED SO THAT ANY INDIVIDUAL BREAKER CAN BE REPLACED WITHOUT DISTURBING ADJACENT UNITS, WITHOUT REMOVING MAIN BUS, AND SHALL EMPLOY SEQUENCE BUSSING, MAIN BUSES AND BACK PANS OF DISTRIBUTION AND OVER PANELBOARDS SHALL BE OF SUCH DESIGN THAT CIRCUIT BREAKERS MAY BE CHANGED WITHOUT ADDITIONAL DRILLING, MACHINING, OR TAPPING. ALL CIRCUIT BREAKERS SHALL BE QUICK-MAKE AND SHALL BE TRIP INDICATING.

4. PANELBOARDS SHALL EMPLOY PLUG-IN BREAKERS OF NOT LESS THAN 22,000 SYMMETRICAL A.I.C. AT 120 VOLTS OR 240 VOLTS AS REQUIRED. PANELBOARDS SHALL BE EQUIPPED WITH COPPER BUS BARS, FURNISH SQUARE D, GENERAL ELECTRIC, OR WESTINGHOUSE AS INDICATED ON THE PANELBOARD SCHEDULE AND AS FOLLOWS:

<u>MANUFACTURER</u>	<u>DESIGNATION</u>	<u>TYPE</u>
INTERSECT	"PPI"	AA300G-IPH-42-3R

5. PANELBOARDS SHALL BE EQUIPPED WITH A TYPEWRITTEN DIRECTORY, INDICATING PLAINLY WHAT EACH CIRCUIT OF THE PANEL CONTROLS.
6. PANELBOARD SHALL BE EQUIPPED WITH A COVER THAT HAS A CLASP THAT ALLOWS FOR THE INSTALLATION OF A PAD LOCK. PANELBOARD SHALL NOT BE EQUIPPED WITH KEY LOCK COVER.

7. PANELBOARDS SHALL EMPLOY PLUG-IN CIRCUIT BREAKERS ONLY, BOLT-ON CIRCUIT BREAKERS SHALL NOT BE USED.

1. PROVIDE GROUND FOR ALL RACEWAYS, DEVICES, AND UTILIZATION EQUIPMENT PERMANENTLY AND EFFECTIVELY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AS HERINAFTER SPECIFIED. ALL GROUNDING AND BONDING CONNECTIONS SHALL BE SOLDERLESS.
2. PROVIDE INSULATED GROUNDING CONDUCTORS FOR FEEDER AND BRANCH CIRCUIT WIRING AS CALLED FOR ON THE PLANS, PROVIDE GROUNDING BLOCKS, TERMINALS, ETC., FOR CONNECTION OF GROUND WIRE IN ALL DISTRIBUTION EQUIPMENT.

- ### 3. SECTION 16400 - SERVICE & DISTRIBUTION

- A. ELECTRICAL SERVICE:

1. ELECTRICAL POWER TO THE NEW EQUIPMENT PAD SHALL BE EXTENDED FROM THE PROPOSED UTILITY METER AND SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH MOUNTED ON NEW ELECTRIC SERVICE BACKBOARD. LABEL METER AND DISCONNECT SWITCH WITH PHENOLIC NAMEPLATES READING "VERIZON WIRELESS".

- B. COMMUNICATIONS SERVICE:

1. TELEPHONE SERVICE SHALL BE EXTENDED BY THE TELEPHONE COMPANY, PROVIDE SERVICE CONDUITS, BACKBOARDS, SLEEVES, AND OTHER EQUIPMENT SHOWN ON THE DRAWINGS FOR USE BY THE TELEPHONE COMPANY. ALL CHARGES BY THE UTILITY COMPANY SHALL BE PAID BY THE OWNER.
2. ALL ELBOWS IN CONDUIT RUNS SHALL BE WIDE SKEEP FIELD BENDS, INSTALL PULL BOXES AS REQUIRED AND WHERE DIRECTED BY THE TELEPHONE COMPANY AND/OR AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.

3. PROVIDE 1/4" POLYPROPYLENE PULL ROPE IN ALL CONDUITS LEFT EMPTY. ALL CONDUITS SHALL BE TERMINATED WITH NYLON INSULATING BUSHINGS.
4. PROVIDE ONE (1) CONDUIT AS SHOWN ON DRAWINGS BETWEEN TELEPHONE COMPANY DEMARC AND DEMARC LOCATED ON EQUIPMENT BACKBOARD.
5. FIBER SPLICES, IF NECESSARY, SHALL BE FUSION SPLICES. MECHANICAL CONNECTIONS ARE NOT PERMITTED.

- C. STAND-BY GENERATOR:

- I. THE CONTRACTOR SHALL INSTALL THE OWNER FURNISHED KOHLER STAND-BY GENERATOR. VERIZON WIRELESS HAS PRE-PURCHASED THE FOLLOWING EQUIPMENT:

- GENERATOR: 120/240 VOLT, 1 ϕ , 3 WIRE, 30 KW DIESEL POWERED GENERATOR WITH A SOUND ATTENUATED, WEATHERPROOF ENCLOSURE. GENERATOR SHALL BE FURNISHED WITH A 2PI50A MAIN LINE CIRCUIT BREAKER.

2. COORDINATE ALL INSTALLATION REQUIREMENTS WITH VERIZON WIRELESS AND THE EQUIPMENT MANUFACTURER.

3. PROVIDE ALL MATERIALS FOR STARTUP AND TESTING; TURN OVER A COMPLETE, FUNCTIONAL SYSTEM TO VERIZON WIRELESS.

4. GENERATOR SHALL BE SUPPLIED WITH WEATHERPROOF HOUSING, SILENCER MOUNTING KIT FOR HOUSING AND CRITICAL EXHAUST SILENCER.

NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER LINE OF THE OUTLET BOX UNLESS OTHERWISE INDICATED.

- | (NEMA 3R) | | PANEL PP1 | | | |
|---|------------------|--|-------------|------------------|------------------------------|
| 120/240 VOLTS 1Ø 3 WIRE 200 AMP MAIN C.B. | | | | | |
| DESCRIPTION | B
R
K
R | C
K
T | C
K
T | B
R
K
R | DESCRIPTION |
| EQUIPMENT LIGHTING | 20 | 1 | 2 | 20 | BATTERY CHARGER |
| CHARLES CABINET RECTP. | 20 | 3 | 4 | 20 | BLOCK HEATER |
| CHARLES CABINET RECTIFIER 1 | 30 | 5 | 6 | 30 | CHARLES CABINET RECTIFIER 7 |
| CHARLES CABINET RECTIFIER 2 | 30 | 9 | 10 | 30 | CHARLES CABINET RECTIFIER 8 |
| CHARLES CABINET RECTIFIER 3 | 30 | 11 | 12 | 30 | CHARLES CABINET RECTIFIER 9 |
| CHARLES CABINET RECTIFIER 4 | 30 | 15 | 16 | 30 | CHARLES CABINET RECTIFIER 10 |
| CHARLES CABINET RECTIFIER 5 | 30 | 21 | 22 | 30 | CHARLES CABINET RECTIFIER 11 |
| CHARLES CABINET RECTIFIER 6 | 30 | 23 | 24 | 30 | CHARLES CABINET RECTIFIER 12 |
| SPACE | - | 29 | 30 | 20 | GFI RECEPTACLE |
| SPACE | - | 31 | 32 | - | SPACE |
| SPACE | - | 33 | 34 | - | SPACE |
| SPACE | - | 35 | 36 | - | SPACE |
| SPACE | - | 37 | 38 | - | SPACE |
| SPACE | - | 39 | 40 | - | SPACE |
| SPACE | - | 41 | 42 | - | SPACE |
| LIGHTING LOAD: | | 0.04 KVA x 125% = 0.05 KVA | | | |
| RECEPTACLE LOAD: | | 0.36 KVA | | | |
| MISC. LOAD: | | 1.68 KVA | | | |
| CHARLES CABINET LOAD: | | 11.52 KVA | | | |
| TOTAL LOAD: | | 13.62 KVA = 56.75 A @ 120/240V, 1Ø, 3Ø | | | |

* CONTRACTOR SHALL FIELD COORDINATE OVERCURRENT PROTECTION WITH MANUFACTURER'S RECOMMENDATIONS.

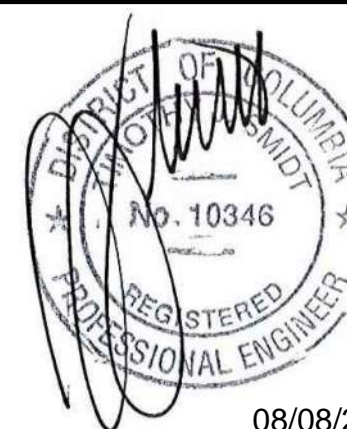
*** PANEL SCHEDULE SHALL NOT BE HAND-WRITTEN.

ELECTRICAL ENGINEER PROVIDED AND INSTALLED PEEL-AND-STICK PANEL SCHEDULE AT TIME OF PUNCH WALK. LABEL SHALL BE MOUNTED ON INSIDE COVER OF VERIZON WIRELESS PANEL TYP1. PANEL SCHEDULE SHALL BE TYPED (NOT HAND-WRITTEN) AND CLEARLY IDENTIFY EACH CIRCUIT AS SHOWN ON THE PANEL SCHEDULE ABOVE. CONTRACTOR SHALL CLEARLY LABEL EACH CIRCUIT NUMBER NEXT TO EACH BREAKER POSITION.

TYPE	LAMPS	MOUNTING	DESCRIPTION/VOLTAGE	CATALOG NO.
A	2750 LUMENS 25 WATT LED 4000K	SURFACE	UL LISTED RIG LOCATION LED SURFACE MOUNT WITH NUTTED DIE CAST-ALUMINUM, CORROSION-RESISTANT HOUSING IN DARK BRONZE OR WHITE FINISH AND SEALED LENSES, FULLY GASKETED TO PROTECT LEDS WITH TWO (2) ADJUSTABLE HEADS (120V)	LITHONIA LED FLOODLIGHT CATALOG NUMBER: HXG LED 2RH 40K 120 DDB

- * NO PHOTOCELL OR MOTION DETECTOR. FIXTURE SHALL BE CONNECTED TO SWITCHED PORTION OF LIGHTING CIRCUIT AND BE CONTROLLED BY SPRING-WOUND TIMER SWITCH.

- *** NO LIGHT FIXTURE SUBSTITUTIONS, FIXTURES SHALL BE PROVIDED AS SPECIFIED.



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LAST REV.:

PROJECT NO: 23002Y

DATE: JUNE 26, 2024

SCALE: AS NOTED

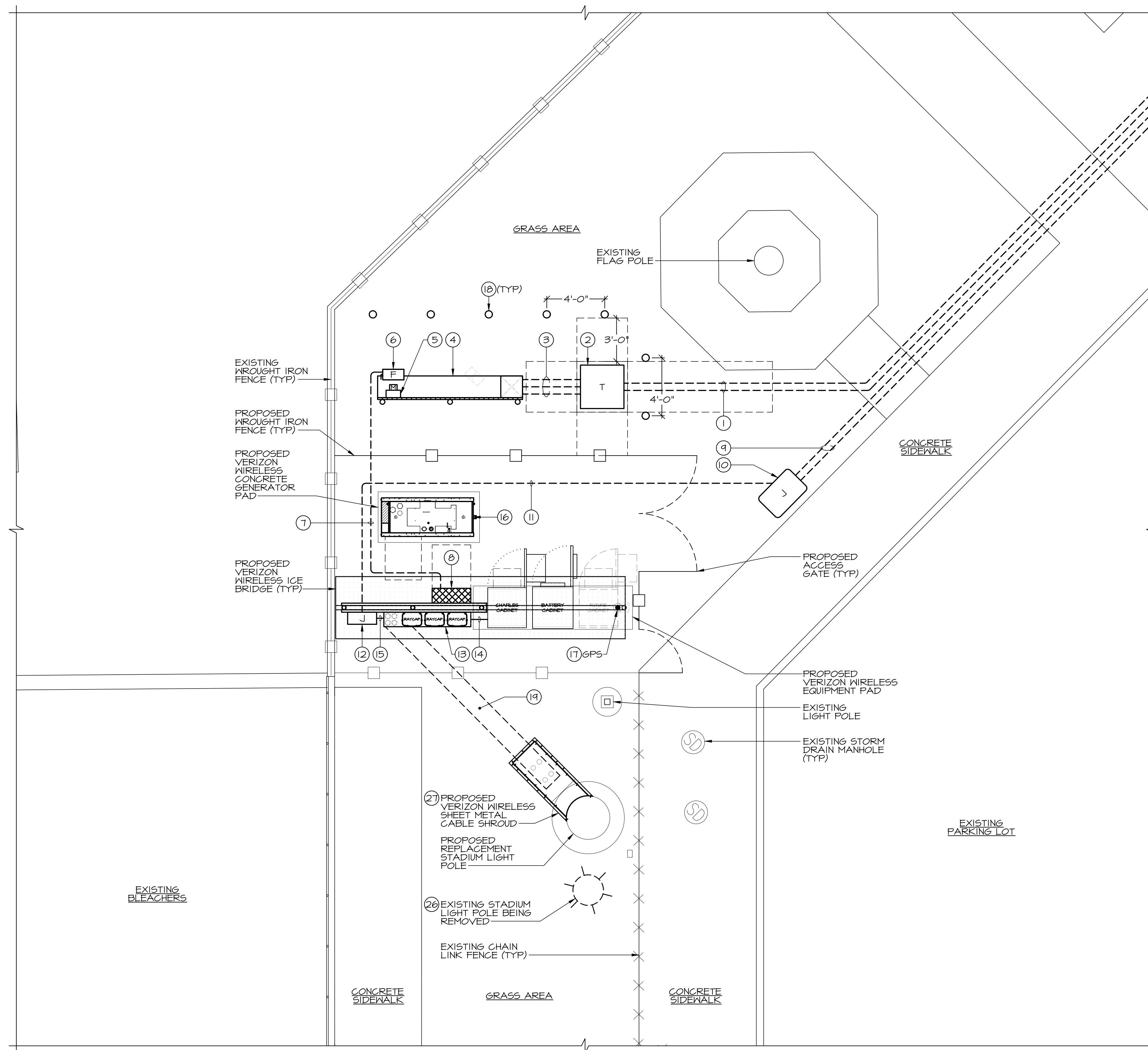
TITLE:

ELECTRICAL SPECIFICATIONS, SYMBOLS LIST, AND SCHEDULES

SHEET:

III-1

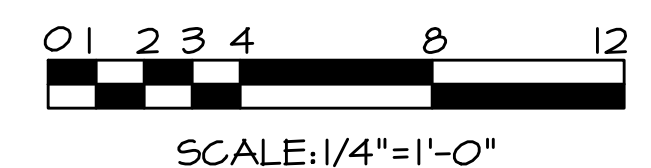
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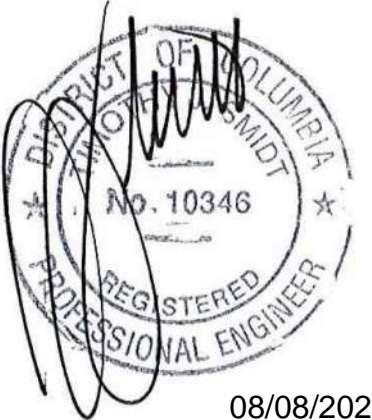
DRAWING NOTES

- (1) EXTEND TWO (2) - 4" EMPTY SCHEDULE 40 PVC CONDUITS BELOW GRADE FROM PROPOSED UTILITY COMPANY TRANSFORMER TO EXISTING UTILITY COMPANY TRANSFORMER #1463944 3300 (APPROXIMATELY 375 L.F.). COORDINATE EXACT ROUTING AND TERMINATION POINT WITH UTILITY COMPANY IN THE FIELD PRIOR TO START OF WORK. PROVIDE NYLON PULL ROPE AND ENDCAPS. REFER TO ROUTING SCHEDULE E-3 FOR ADDITIONAL INFORMATION. COORDINATE UTILITY SOURCE TO BE USED FOR EXTENSION OF PROPOSED INCOMING ELECTRIC SERVICE WITH UTILITY COMPANY PRIOR TO START OF WORK.
- (2) PROPOSED LOCATION OF UTILITY COMPANY FURNISHED AND INSTALLED, GRADE MOUNTED TRANSFORMER. CONTRACTOR PROVIDED AND INSTALLED GRADE MOUNTING BOX. COORDINATE EXACT LOCATION WITH UTILITY COMPANY IN THE FIELD.
- (3) EXTEND THREE (3) - 4" EMPTY SCHEDULE 40 PVC CONDUITS FROM PROPOSED UTILITY COMPANY BACKBOARD/TROUGH TO PROPOSED UTILITY COMPANY TRANSFORMER. COORDINATE EXACT CONDUIT ROUTING AND TERMINATION LOCATIONS WITH THE UTILITY COMPANY IN THE FIELD. PROVIDE NYLON PULL ROPE AND ENDCAPS.
- (4) PROPOSED 10'-0" LONG UTILITY SERVICE BACKBOARD WITH 10"x10"x10"-0" SEALABLE WEATHERPROOF TROUGH. TROUGH COVERS MUST BE REMOVABLE AND MUST BE IN SECTIONS SMALL ENOUGH TO BE HANDLED BY ONE PERSON (A MAXIMUM OF 30" IN LENGTH PER SECTION). FINAL BACKBOARD AND TROUGH REQUIREMENTS SHALL COMPLY WITH PECCO STANDARDS. REFER TO DETAILS ON SHEET E-8 FOR ADDITIONAL INFORMATION.
- (5) CONTRACTOR PROVIDED AND INSTALLED WEATHERPROOF, 120/240V, 1Ø, 3W, 200A METER CAN MOUNTED ON BACKBOARD. METER GLOBE PROVIDED AND INSTALLED BY UTILITY COMPANY. PROVIDE PHENOLIC NAMEPLATE READING "VERIZON WIRELESS" BELOW METER GLOBE.
- (6) PROVIDE AND INSTALL WEATHERPROOF, 240 VOLT SERVICE ENTRANCE RATED, 2P 200A FUSED SERVICE DISCONNECT SWITCH WITH TWO (2) 200A CLASS RRI FUSES MOUNTED ON BACKBOARD. PROVIDE PHENOLIC NAMEPLATE READING "VERIZON WIRELESS", COORDINATE A.I.C. RATING WITH UTILITY COMPANY PRIOR TO ORDERING. PROVIDE CAUTION TWO SOURCES OF SUPPLY STICKER ON SERVICE DISCONNECT SWITCH. BACKGROUND SHALL BE YELLOW WITH BLACK BLOCK STYLE LETTERING. REFER TO DETAIL, SHEET E-3.
- (7) EXTEND 343/0 + 46 GRD - 2" CONDUIT BELOW GRADE. COORDINATE EXACT ROUTING WITH VERIZON WIRELESS REPRESENTATIVE IN THE FIELD.
- (8) VERIZON WIRELESS PROVIDED. CONTRACTOR INSTALLED WEATHERPROOF 120/240 VOLT, 1Ø, 3W, 200A MCB INTEGRATED LOAD CENTER. PROVIDE WITH INTEGRATED AUTOMATIC TRANSFER SWITCH AND SURGE PROTECTION POINT PANEL ON PROPOSED VERIZON WIRELESS EQUIPMENT BACKBOARD. REFER TO PANEL SCHEDULE AND SPECIFICATIONS, SHEET E-1 FOR ADDITIONAL INFORMATION. COORDINATE ALL REQUIREMENTS WITH VERIZON WIRELESS REPRESENTATIVE PRIOR TO ORDERING. ALL CONDUITS FROM INTERSECT PANEL MUST ENTER/EXIT THROUGH SIDE, REAR OR BOTTOM. CONDUIT INSTALLATION MUST UTILIZE THE METHOD AND INCLUDE ALL NECESSARY FITTINGS, SEALANTS, ETC. TO MAINTAIN NEMA RATING OF ENCLOSURE. WHEN DRILLING INTO INTERSECT PANEL, ATS MUST BE COVERED TO AVOID METALLIC SHAVINGS DROPPING INTO ATS CONTACTS. PANELBOARD SHALL BE EQUIPPED WITH A COVER THAT HAS A CLASP THAT ALLOWS FOR THE INSTALLATION OF A PAD LOCK. PANELBOARD SHALL NOT BE EQUIPPED WITH KEY LOCK COVER.
- (9) EXTEND TWO (2) - 4" SCHEDULE 40 PVC CONDUITS FROM PROPOSED FIBER HANDHOLE TO PROPERTY LINE AT T STREET NE (APPROXIMATELY 375 L.F.). COORDINATE EXACT ROUTING AND TERMINATION POINT WITH VERIZON REPRESENTATIVE IN THE FIELD PRIOR TO START OF WORK. PROVIDE NYLON PULL ROPE AND ENDCAPS. REFER TO ROUTING SITE PLAN, SHEET E-5 FOR ADDITIONAL INFORMATION. PROVIDE LANDLINE SHALL PROVIDE AND INSTALL INRDUITS AS REQUIRED. COORDINATE UTILITY SOURCE TO BE USED FOR EXTENSION OF PROPOSED INCOMING TELCO SERVICE WITH UTILITY COMPANY PRIOR TO START OF WORK.
- (10) PROVIDE 24"x36"x36" DEEP PULLBOX FOR EXTENSION OF TELEPHONE SERVICE CABLES. JUNCTION BOX SHALL BE COMPOSITE QUAZITE CAT. #P2436BB OR AN APPROVED EQUAL. PROVIDE 6" OF PEA GRAVEL IN BASE OF BOX. COORDINATE PULLBOX REQUIREMENTS/LOCATION WITH UTILITY COMPANY IN THE FIELD.
- (11) EXTEND ONE (1) - 3" CONDUIT BELOW GRADE FROM PROPOSED HANDHOLE TO PROPOSED FIBER HOFFMAN BOX MOUNTED ON EQUIPMENT BACKBOARD FOR EXTENSION OF FIBER. REFER TO DETAIL, SHEET E-7. COORDINATE EXACT ROUTING WITH VERIZON WIRELESS REPRESENTATIVE IN THE FIELD.
- (12) PROPOSED LOCATION OF WEATHERPROOF, 24"x4"x24"x10" DEEP HINGED FIBER HOFFMAN BOX MOUNTED ON EQUIPMENT BACKBOARD ADJACENT TO RAYCAP TROUGH. HOFFMAN BOX SHALL BE FURNISHED WITH PLYWOOD BACKBOARD AND BE EQUIPPED WITH A COVER THAT HAS A CLASP THAT ALLOWS FOR THE INSTALLATION OF A PAD LOCK. PROVIDE PHENOLIC NAMEPLATE ON FRONT OF HOFFMAN BOX LABELED, "VERIZON WIRELESS FIBER".
- (13) PROPOSED LOCATION OF WEATHERPROOF, 12"H (MIN) X 12"D X 6'-0" LONG TROUGH MOUNTED ON EQUIPMENT BACKBOARD BELOW RAYCAP OVP BOXES. REFER TO DETAIL, SHEET E-4 FOR ADDITIONAL INFORMATION AND DETAILS.
- (14) PROPOSED CONDUITS FROM SIDE OF CHARLES CABINET TO SIDE OF RAYCAP TROUGH FOR EXTENSION OF FIBER PRIOR TO START OF WORK. REFER TO SHEET E-3 FOR ADDITIONAL INFORMATION. **NO SEALTIGHT OR PVC CONDUIT ABOVE GRADE SHALL BE PERMITTED.**
- (15) PROPOSED CONDUITS FROM SIDE OF RAYCAP TROUGH TO FIBER HOFFMAN BOX FOR EXTENSION OF DC POWER AND FIBER. REFER TO SHEET E-3 FOR ADDITIONAL INFORMATION. **NO SEALTIGHT OR PVC CONDUIT ABOVE GRADE SHALL BE PERMITTED.**
- (16) VERIZON WIRELESS PROVIDED. CONTRACTOR INSTALLED 30 KW DIESEL GENERATOR MOUNTED ON CONCRETE PAD. REFER TO SPECIFICATIONS, SHEET E-1 AND DETAILS, SHEET E-6 FOR ADDITIONAL INFORMATION.
- (17) VERIZON WIRELESS PROVIDED AND CONTRACTOR INSTALLED GPS ANTENNA (MODEL #GPS-TMG-HR26NCM) MOUNTED HIGH ABOVE ICE BRIDGE ON ICE BRIDGE SUPPORT POST. CONTRACTOR SHALL LEAVE ICE BRIDGE POST FURTHEST FROM TOWER HIGH FOR MOUNTING OF GPS ANTENNA. REFER TO STRUCTURAL FOR MOUNTING DETAILS.
- (18) PROPOSED LOCATION OF CONCRETE PROTECTIVE BOLLARD AROUND UTILITY COMPANY TRANSFORMER TO MEET THE REQUIREMENTS OF THE UTILITY COMPANY. REFER TO DETAIL, SHEET E-8.
- (19) PROPOSED LOCATION OF VERIZON WIRELESS UNDERGROUND DUCTBANK FOR EXTENSION OF HYBRIFLEX CABLES BELOW GRADE. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. REFER TO DETAILS, SHEET E-11, AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (20) ALL CONDUITS BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUITS EXTENDING BELOW AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE SCHEDULE 80 PVC. ALL CONDUITS ABOVE GRADE AND/OR EXPOSED TO THE ELEMENTS SHALL BE RIGID GALVANIZED STEEL. **NO SEALTIGHT OR PVC CONDUIT ABOVE GRADE SHALL BE PERMITTED.** ALL CONDUITS ENTERING CABINETS, EQUIPMENT, AND GENERATOR SHALL BE PLUGGED WITH DUCT SEAL (MINIMUM OF 1" INTO CONDUIT). PROVIDE AND INSTALL RODENT BLOCKER (XCLUDER OR APPROVED EQUAL) WITHIN TELCO CONDUITS FOR RODENT AND PEST DETERRENT (SHALL NOT BE USED IN ELECTRICAL CONDUITS).
- (21) ALL METALLIC ITEMS (UNISTRUT, POSTS, HARDWARE, ETC.) SHALL BE GALVANIZED STEEL. PROVIDE AND INSTALL METALLIC UNISTRUT END CAPS WITH SNAP-IN CLIPS ON ENDS OF ALL CUT UNISTRUT. SNAP-IN CLIPS MUST BE PROVIDED TO ENSURE END CAPS ARE SECURELY FASTENED TO UNISTRUT. CADDT SLIP NUTS SHALL BE UTILIZED FOR FASTENING ALL ITEMS TO UNISTRUT. SPRING NUTS SHALL NOT BE USED.
- (22) CONDUIT ROUTING IS DIAGRAMMATIC. EXACT CONDUIT ROUTE SHALL BE COORDINATED WITH VERIZON WIRELESS REPRESENTATIVE IN THE FIELD.
- (23) REFER TO DRAWING PREPARED BY MRA FOR SITE PLAN.
- (24) CONTRACTOR SHALL OBTAIN THE LATEST ELECTRIC SERVICE DESIGN DRAWINGS FROM THE UTILITY COMPANY PRIOR TO START OF WORK. UTILITY COMPANY DRAWINGS SHALL SUPERCEDE ELECTRIC SERVICE DESIGN AS SHOWN IN CONSTRUCTION DOCUMENTS. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY AND VERIZON WIRELESS REPRESENTATIVE.
- (25) THE SPECIFIED OPTIONAL STAND-BY GENERATOR IS NOT A SEPARATELY DERIVED SYSTEM. THE CONTRACTOR SHALL VERIFY THAT THE AUTOMATIC TRANSFER SWITCH DOES NOT SWITCH THE NEUTRAL CONDUCTOR. IF THE MANUFACTURER INSTALLED A MAIN BONDING JUMPER IN THE GENERATOR, THE CONTRACTOR SHALL DISCONNECT AND REMOVE THE JUMPER TO PREVENT VIOLATING NEC ARTICLE 250.6, OBJECTABLE CURRENT OVER GROUNDING CONDUCTORS.
- (26) EXISTING STADIUM LIGHT POLE TO BE REMOVED AND REPLACED. CONTRACTOR SHALL TRACE LIGHTING CIRCUIT BACK TO SOURCE, DE-ENERGIZE, AND PREPARE FOR RELOCATION TO NEW POLE. COORDINATE RELOCATION OF STADIUM LIGHTS AND ASSOCIATED LIGHT CONTROLLER BOXES WITH LANDLORD REPRESENTATIVE.
- (27) PROPOSED LOCATION OF VERIZON WIRELESS SHEET METAL SHROUD FOR EXTENSION OF HYBRIFLEX CABLES UP FROM BELOW GRADE. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. REFER TO DETAILS, SHEET E-11, AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

NOTE:
THE SITE PLAN IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND THE EXACT LOCATION OF THE VERIZON WIRELESS EQUIPMENT PAD SHALL BE COORDINATED WITH FINAL CIVIL DRAWINGS PRIOR TO START OF WORK.



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DISTRICT OF COLUMBIA

REVISIONS:

No.	DESCRIPTION	DATE
	VzW COMMENTS	08/08/24
	PERMIT DRAWINGS	06/26/24

LAST REV.:

PROJECT NO:	23002Y
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DATE: JUNE 26, 2024

SCALE:	AS NOTED
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TITLE:	
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POWER SITE PLAN
AND NOTES

SHEET:

E-2
EOO2

TEI#23002Y

- (1) PROVIDE 10'-0" KINDORF BACKBOARD FOR MOUNTING OF VERIZON WIRELESS EQUIPMENT. EQUIPMENT BACKBOARD SHALL UTILIZE 10'-0" LONG, CONTINUOUS SECTIONS OF INSTRUIT ON FRONT AND REAR OF BACKBOARD. REFER TO STRUCTURAL DRAWINGS FOR DETAILS. ELECTRICAL CONTRACTOR SHALL LEAVE BACKBOARD POSTS LONG TO BE CUT BY TOWER CREW.
- (2) VERIZON WIRELESS PROVIDED, CONTRACTOR INSTALLED WEATHERPROOF (20/240 VOLT, 1Ø, 3W, 200 AMP MCB INTEGRATED LOAD CENTER PANEL WITH INTEGRATED AUTOMATIC TRANSFER SWITCH AND SURGE PROTECTION, MOUNT PANEL ON PROPOSED VERIZON WIRELESS EQUIPMENT BACKBOARD. REFER TO PANEL SCHEDULE AND SPECIFICATIONS, SHEET E-1 FOR ADDITIONAL INFORMATION. COORDINATE ALL REQUIREMENTS WITH VERIZON WIRELESS REPRESENTATIVE PRIOR TO ORDERING. ALL CONDUITS FOR INTERCEPT PADS MUST ENTER EXACTLY THROUGH SIDE REAR OR BOTTOM CONDUIT INSTALLATIONS MUST UTILIZE MYERS HUBS AND INCLUDE ALL NECESSARY FITTINGS, SEALANTS, ETC. TO MAINTAIN NEMA RATING OF ENCLOSURE. WHEN DRILLING INTO INTERSECT PANEL, ATS MUST BE COVERED TO AVOID METALLIC SHAVINGS DROPPING INTO ATS CONTACTS. PANELBOARD SHALL BE EQUIPPED WITH A COVER THAT HAS A CLASP THAT ALLOWS FOR THE INSTALLATION OF A PAD LOCK. PANELBOARD SHALL NOT BE EQUIPPED WITH KEY LOCK COVER.
- (3) VERIZON WIRELESS PROVIDED, CONTRACTOR INSTALLED 6" PLINTH KIT MOUNTED ON BOTTOM OF CHARLES AND BATTERY CABINETS. CONSTRUCTION MANAGER AND GENERAL CONTRACTOR SHALL INSURE THAT THE GASKET THAT COMES WITH PLINTH IS INSTALLED BENEATH THE CABINET.
- (4) VERIZON WIRELESS PROVIDED, CONTRACTOR INSTALLED (4) 6" LONG CONDUIT KIT FOR INTERCONNECTING CHARLES AND BATTERY CABINETS. COORDINATE REQUIREMENTS WITH VERIZON WIRELESS REPRESENTATIVE PRIOR TO START OF WORK.
- (5) CHARLES AND BATTERY CABINETS SHALL BE INSTALLED TO ALLOW FOR A MINIMUM 36" DOOR SWING CLEARANCE AT FRONT AND BACK OF CABINETS. CONSTRUCTION MANAGER AND GENERAL CONTRACTOR SHALL INSURE THAT THE ISOLATION PAD THAT COMES WITH CHARLES AND BATTERY CABINETS ARE INSTALLED BENEATH THE CABINETS. ALL P-TOUCH LABELS SHALL BE PRINTED ON MINIMUM 1/2" PAPER USING AERIAL BOLD FONT.
- (6) CONTRACTOR SHALL TERMINATE ALARMS WIRING ON ALARMS TERMINAL BLOCK PROVIDED WITH CHARLES CABINET. REFER TO ALARM LEADS DETAIL, SHEET E-6 FOR ADDITIONAL INFORMATION.
- (7) EXTEND 1 1/2" RIGID GALVANIZED STEEL CONDUIT FROM VERIZON WIRELESS PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER #1-4 WIRING (Ø10 AWG + Ø10 GRD). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS AND WIRING SHALL BE EXTENDED IN INNERDUCT INSIDE OF CABINET. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (8) EXTEND ADDITIONAL 1 1/2" RIGID GALVANIZED STEEL CONDUIT FROM VERIZON WIRELESS PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER #5-8 WIRING (Ø10 AWG + Ø10 GRD). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS AND WIRING SHALL BE EXTENDED IN INNERDUCT INSIDE OF CABINET. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (9) EXTEND ADDITIONAL 1 1/2" RIGID GALVANIZED STEEL CONDUIT FROM VERIZON WIRELESS PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER #1-12 WIRING (Ø10 AWG + Ø10 GRD). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS AND WIRING SHALL BE EXTENDED IN INNERDUCT INSIDE OF CABINET. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (10) EXTEND 3/4" RIGID GALVANIZED STEEL CONDUIT FROM VERIZON WIRELESS PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF CABINET RECEPTACLE WIRING (Ø12 AWG + Ø12 GRD). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS AND WIRING SHALL BE EXTENDED IN INNERDUCT INSIDE OF CABINET. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (11) PROVIDE AND INSTALL RAYCAP MAIN DISTRIBUTION BOX WITH TWELVE (12) OVP MOUNTED ON VERIZON WIRELESS EQUIPMENT BACKBOARD ADJACENT TO RAYCAP CABLE COMPRESSOR. PROVIDE AND INSTALL RAYCAP MAIN DISTRIBUTION BOX WITH EACH RAYCAP MAIN DISTRIBUTION BOX. ALL P-TOUCH LABELS SHALL BE PRINTED ON MINIMUM 1/2" PAPER USING AERIAL BOLD FONT.
- (12) CONTRACTOR SHALL PROVIDE AND INSTALL SIX (6) RIGID GALVANIZED STEEL CONDUITS FROM BOTTOM OF EACH RAYCAP BOX TO TOP OF TROUGH. REFER TO DETAILS, SHEET E-4. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (13) PROVIDE AND INSTALL (NEMA 3R) 12" (MIN.) X 12" X 6'-0" LONG TROUGH MOUNTED ON EQUIPMENT BACKBOARD BELOW RAYCAP OVP BOXES. REFER TO DETAILS, SHEET E-4.
- (14) CONTRACTOR SHALL EXTEND 2" RIGID GALVANIZED STEEL CONDUIT FROM SIDE OF CHARLES CABINET TO SIDE OF RAYCAP TROUGH FOR EXTENSION OF RAYCAP #6AWG DC CONDUCTORS. CONTRACTOR SHALL EXTEND HALF OF THE DC CONDUCTORS TO REMAINING RAYCAP TROUGH AND REMAINING HALF TO ADDITIONAL CONDUIT (NOTE #15). REFER TO DETAILS, SHEET E-4. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE AND NOT EXCEED 24" IN LENGTH. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (15) CONTRACTOR SHALL EXTEND ADDITIONAL 2" RIGID GALVANIZED STEEL CONDUIT FROM SIDE OF CHARLES CABINET TO SIDE OF RAYCAP TROUGH FOR EXTENSION OF THE REMAINING RAYCAP #6AWG DC CONDUCTORS. REFER TO DETAILS, SHEET E-4. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE AND NOT EXCEED 24" IN LENGTH. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (16) CONTRACTOR SHALL EXTEND ONE (1) 2" RIGID GALVANIZED STEEL CONDUIT FROM SIDE OF CHARLES CABINET TO SIDE OF RAYCAP TROUGH FOR EXTENSION OF RAYCAP ALARMS AND FIBER. REFER TO DETAILS, SHEET E-4. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**
- (17) CONTRACTOR SHALL UTILIZE RAYCAP CABLE COMPRESSION FITTING FOR EXTENSION OF HYBRIFLEX CABLES INTO BOTTOM OF TROUGH. REFER TO RAYCAP DETAILS, SHEET E-4 AND DUCT/BANK DETAILS, SHEET E-11.
- (18) PROPOSED LOCATION OF WEATHERPROOF, 24"X 4" 24"X 4" DEEP HINGED FIBER HOFFMAN BOX MOUNTED ON EQUIPMENT BACKBOARD ADJACENT TO RAYCAP TROUGH. HOFFMAN BOX SHALL BE FURNISHED WITH PLYWOOD BACKBOARD AND BE EQUIPPED WITH A COVER THAT HAS A CLASP THAT ALLOWS FOR THE INSTALLATION OF A PAD LOCK. PROVIDE PHENOLIC NAMEPLATE ON FRONT OF HOFFMAN BOX LABELED, "VERIZON WIRELESS FIBER".

1) EXTEND ONE (1) - 2" RIGID GALVANIZED STEEL CONDUIT FROM BOTTOM OF PROPOSED FIBER HOFFMAN BOX TO SIDE OF RAYCAP TROUGH FOR EXTENSION OF FIBER. CONTRACTOR SHALL UTILIZE 2" CONDUIT BETWEEN RAYCAP TROUGH AND CHARLES CABINET FOR EXTENSION OF 24-PAIR (40-STRAND) FLEX CABLE WITH LC CONNECTORS AT EACH END (ALL TERMINATED) FROM FIBER HOFFMAN BOX TO CHARLES CABINET. **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED.**

2) EXTEND 2#6 AWG DC WIRING IN 1" RIGID GALVANIZED STEEL CONDUIT FROM PROPOSED FIBER HOFFMAN BOX TO NEW 50A DC BREAKER ON RECTIFIER PLANT MOUNTED INSIDE CHARLES EQUIPMENT CABINET. CONTRACTOR SHALL UTILIZE 2" RIGID GALVANIZED STEEL CONDUITS BETWEEN RAYCAP TROUGH AND CHARLES CABINET FOR EXTENSION OF DC WIRING. CAP AND GROUNDING WIRE SHALL BE INSTALLED TO THE FUTURE USE OF A DC OND/S. ABOVE GRADE AND/OR EXPOSED TO WEATHER SHALL BE INSTALLED ON RECTIFIER PLANT, LABEL DC BREAKER "FIBER HOFFMAN BOX". **NO SEALTIGHT OR PVC CONDUIT SHALL BE PERMITTED. IN THE EVENT FIBER SERVICE TO THE SITE WILL BE DARK FIBER, DC POWER WIRING AND CIRCUIT BREAKER MAY BE OMITTED. COORDINATE FIBER SERVICE TO SITE WITH VERIZON WIRELESS REPRESENTATIVE.**

3) PROVIDE AND INSTALL EXTERIOR GRADE, SPRING WOUND TIMER SWITCH IN WEATHERPROOF ENCLOSURE FOR CONTROL OF VERIZON WIRELESS EQUIPMENT AREA LIGHTING. TIMER SWITCH SHALL BE INTERMATIC OR APPROVED EQUAL WITH 60 MINUTE WARMUP SETTING. MOUNT SWITCH ON BACKBOARD SUPPORT POST ADJACENT TO INTERSECT PANEL WITHIN WEATHERPROOF GROUNDING BOX WITHIN WEATHERPROOF GANG BOX COVER. PROVIDE MANUFACTURED INTERMATIC (MODEL #NP1250N-VXD). COORDINATE EXACT MOUNTING LOCATION WITH VERIZON REPRESENTATIVE IN THE FIELD.

4) PROVIDE LIGHT FIXTURE AS DESIGNATED BY AN UPPERCASE SUBSCRIPT. SECURE LIGHT FIXTURES VERTICALLY TO UNDERSIDE OF ICE BRIDGE WITH DUAL HEADS FACING OUTWARD AS SHOWN. FIXTURES SHALL NOT CONTAIN A PHOTOCELL OR MOTION DETECTOR. FIXTURES SHALL BE CONNECTED TO SWITCHED PORTION OF LIGHTING CIRCUIT AND BE CONTROLLED BY SPRING-WOUND TIMER SWITCH. REFER TO FIXTURE SCHEDULE, SHEET E-1. **NO LIGHT FIXTURE SUBSTITUTIONS.**

5) VERIZON WIRELESS PROVIDED AND CONTRACTOR INSTALLED GPS ANTENNA (MODEL #6P5-TG6-HR26NCM) MOUNTED HIGH ABOVE ICE BRIDGE ON ICE BRIDGE SUPPORT POST. CONTRACTOR SHALL LEAVE ICE BRIDGE POST FURTHEST FROM TOWER HIGH FOR MOUNTING OF GPS ANTENNA. REFER TO STRUCTURAL FOR MOUNTING DETAILS.

6) ALL METALLIC ITEMS (UNISTRUT, POSTS, HARDWARE, ETC.) SHALL BE GALVANIZED STEEL. PROVIDE AND INSTALL METALLIC UNISTRUT END CAPS WITH SNAP-IN CLIPS ON ENDS OF ALL CUT UNISTRUT. SNAP-IN CLIPS MUST BE PROVIDED TO ENSURE END CAPS ARE SECURELY FASTENED TO UNISTRUT. CADDY SLICK NUTS SHALL BE UTILIZED FOR FASTENING ALL ITEMS TO UNISTRUT. SPRING NUTS SHALL NOT BE USED.

7) ALL CONDUITS BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUITS EXTENDING BELOW AREAS SUBJECT TO VERIZON WIRELESS SHALL BE SCHEDULE 40 PVC. ALL CONDUITS ABOVE GRADE AND/OR EXPOSED TO WEATHER SHALL BE RIGID GALVANIZED STEEL. **NO SEALTIGHT OR PVC CONDUIT ABOVE GRADE SHALL BE PERMITTED. ALL CONDUITS ENTERING CABINETS, EQUIPMENT, AND GENERATOR SHALL BE PLUGGED WITH DUCT SEAL (MINIMUM OF 1" INTO CONDUIT). PROVIDE AND INSTALL RODENT BLOCKER (XGLUDER OR APPROVED EQUAL) WITHIN TELCO CONDUITS FOR RODENT AND PEST DETERRENT (SHALL NOT BE USED IN ELECTRICAL CONDUITS).**

8) FIBER SPLICES, IF NECESSARY, SHALL BE FUSION SPLICES. MECHANICAL CONNECTIONS ARE NOT PERMITTED.

9) PROPOSED VERIZON WIRELESS EQUIPMENT BACKBOARD SHALL BE ALIGNED WITH CENTER OF CHARLES EQUIPMENT CABINET TO ALLOW FOR FRONT OF RAYCAP TROUGH TO BE MOUNTED IN LINE WITH BACK OF CHARLES CABINET. CONTRACTOR SHALL UTILIZE THE FACTORY KNOCK-OUTS IN CHARLES CABINET FOR INSTALLATION OF CONDUITS INTO CHARLES CABINET.

10) CONTRACTOR SHALL OBTAIN THE LATEST ELECTRIC SERVICE DESIGN DRAWINGS FROM THE UTILITY COMPANY PRIOR TO START OF WORK. UTILITY COMPANY DRAWINGS SHALL SUPERSEDE ELECTRIC SERVICE DESIGN AS SHOWN IN CONSTRUCTION DOCUMENTS. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY AND VERIZON WIRELESS REPRESENTATIVE.

11) CONTRACTOR SHALL UTILIZE ZINC DIE-CAST MYERS HUBS ONLY (EATON GROUSE-HINDS HUB BASIC SCR-1TIE SERIES OR APPROVED EQUAL) FOR ALL CONDUIT PENETRATIONS INTO CHARLES CABINET, INTERSECT PANEL, RAYCAP TROUGH, AND FIBER HOFFMAN/CHARLES CUBE CABINET. MYERS HUBS SHALL BE NEMA 3R RATED AND FURNISHED WITH INSULATED THROAT AND POSITIVE LOCKING FASTENING. BACKBOARD AND TROUGH REQUIREMENTS SHALL BE SEALTIGHT ON ALL THREADS FOR ADDITIONAL WEATHERPROOF SEALING. ALL MYERS HUBS SHALL BE TIGHTENED AND SEALED WEATHERTIGHT UPON COMPLETION OF ALL WORK.

12) EXTEND TWO (2) - 4" EMPTY SCHEDULE 40 PVC CONDUITS BELOW GRADE FROM PROPOSED UTILITY COMPANY TRANSFORMER TO EXISTING UTILITY COMPANY TRANSFORMER #149344 3300 (APPROXIMATELY 375 LF). COORDINATE EXACT ROUTING AND TERMINATION POINT WITH UTILITY COMPANY IN THE FIELD PRIOR TO START OF WORK. PROVIDE NYLON PULL ROPE AND ENDCAPS. REFER TO ROUTING SITE PLAN, SHEET E-7 FOR ADDITIONAL INFORMATION. COORDINATE UTILITY SOURCE TO BE USED FOR EXTENSION OF PROPOSED INCOMING ELECTRIC SERVICE WITH UTILITY COMPANY PRIOR TO START OF WORK.

13) PROPOSED LOCATION OF UTILITY COMPANY FURNISHED AND INSTALLED, GRADE MOUNTED TRANSFORMER. CONTRACTOR PROVIDED AND INSTALLED GRADE MOUNTING BOX. COORDINATE EXACT LOCATION WITH UTILITY COMPANY IN THE FIELD.

14) EXTEND THREE (3) - 4" EMPTY SCHEDULE 40 PVC CONDUITS FROM PROPOSED UTILITY COMPANY BACKBOARD/TROUGH TO PROPOSED UTILITY COMPANY TRANSFORMER. COORDINATE EXACT CONDUIT ROUTING AND TERMINATION LOCATIONS WITH THE UTILITY COMPANY IN THE FIELD. PROVIDE NYLON PULL ROPE AND ENDCAPS.

15) PROPOSED 10'-0" LONG UTILITY SERVICE BACKBOARD WITH 10"x10"x10'-0" SEALABLE WEATHERPROOF TROUGH. TROUGH COVERS MUST BE REMOVABLE AND MUST BE IN SECTIONS SHALL BE TO BE HANDLED BY ONE PERSON (A MAXIMUM OF 30" LENGTH). TROUGH, FINAL BACKBOARD AND TROUGH REQUIREMENTS SHALL COMPLY WITH PERCO STANDARDS. REFER TO DETAILS ON SHEET E-8 FOR ADDITIONAL INFORMATION.

16) CONTRACTOR PROVIDED AND INSTALLED WEATHERPROOF 120/240V, 18, 3W, 200A METER CAN MOUNTED ON BACKBOARD. METER GLOBE PROVIDED AND INSTALLED BY UTILITY COMPANY. PROVIDE HINGED NAMEPLATE READING "VERIZON WIRELESS" BELOW METER GLOBE.

Diagram illustrating the proposed Verizon Wireless Generator Pad and equipment layout. The diagram shows a cross-section of the equipment pad, including the generator pad, equipment cabinets, and future expansion areas.

Labels and Callouts:

- PROPOSED VERIZON WIRELESS GENERATOR PAD
- 41
- 42
- 43
- 44
- 45
- 46
- SPACE RESERVED FOR FUTURE GROWTH. NO EQUIPMENT TO BE INSTALLED IN THIS AREA.
- 53
- 2
- PP1-30
- 100FT
- CHARLES CABINET
- BATTERY CABINET
- FUTURE CABINET
- PROPOSED VERIZON WIRELESS EQUIPMENT PAD
- 1
- 27
- 10
- 19
- 20
- 13
- 11 (TYP)
- 14
- 15
- 16
- 3
- 5
- 3
- 5
- 40
- 7
- 8
- 9
- 10
- 47
- 48
- 49

PROPOSED VERIZON WIRELESS GENERATOR PAD

7'-0"

3'-6"

NEC 36" MIN. REQUIRED CLEARANCE (TYP)

10'-0"

SPACE RESERVED FOR FUTURE GROWTH. NO EQUIPMENT TO BE INSTALLED IN THIS AREA.

J

BAYCAB

BAYCAB

BAYCAB

CHARLES CABINET

BATTERY CABINET

FUTURE CABINET

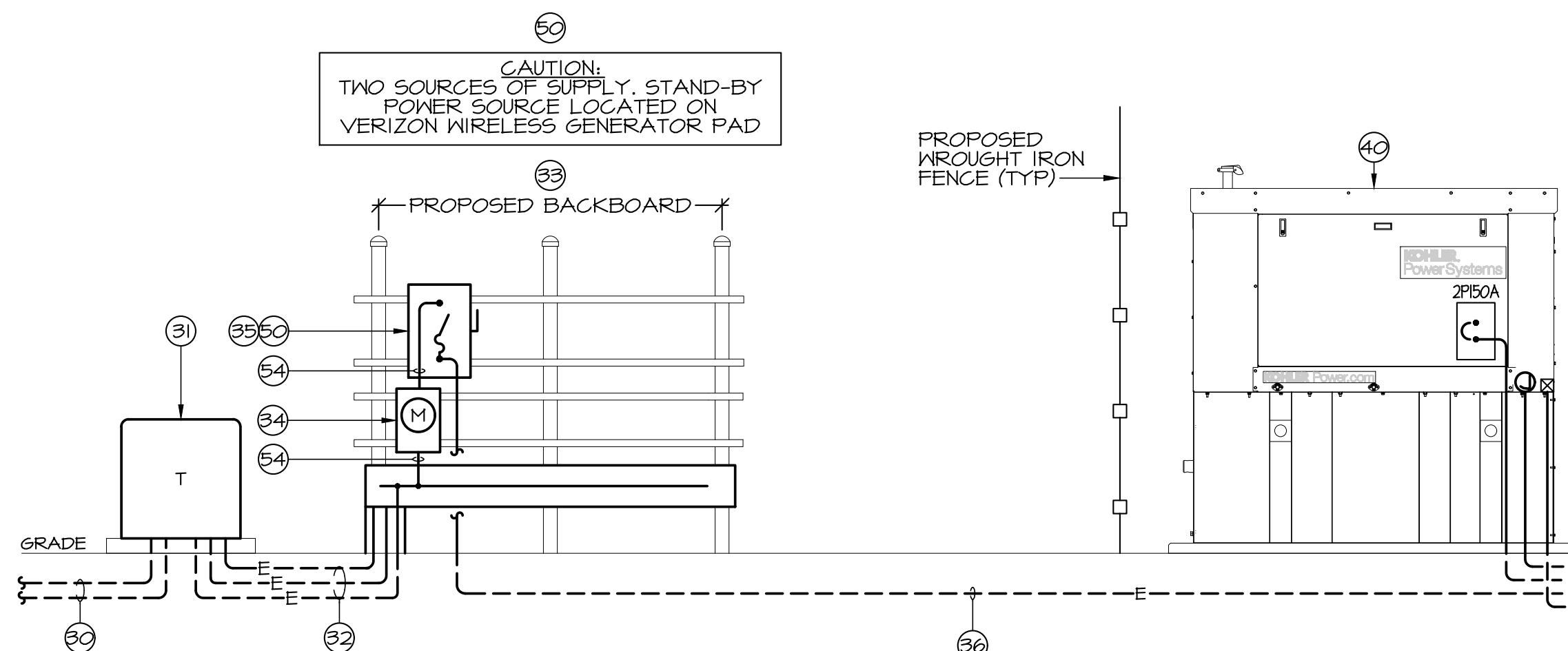
3'-0"

11'-0"

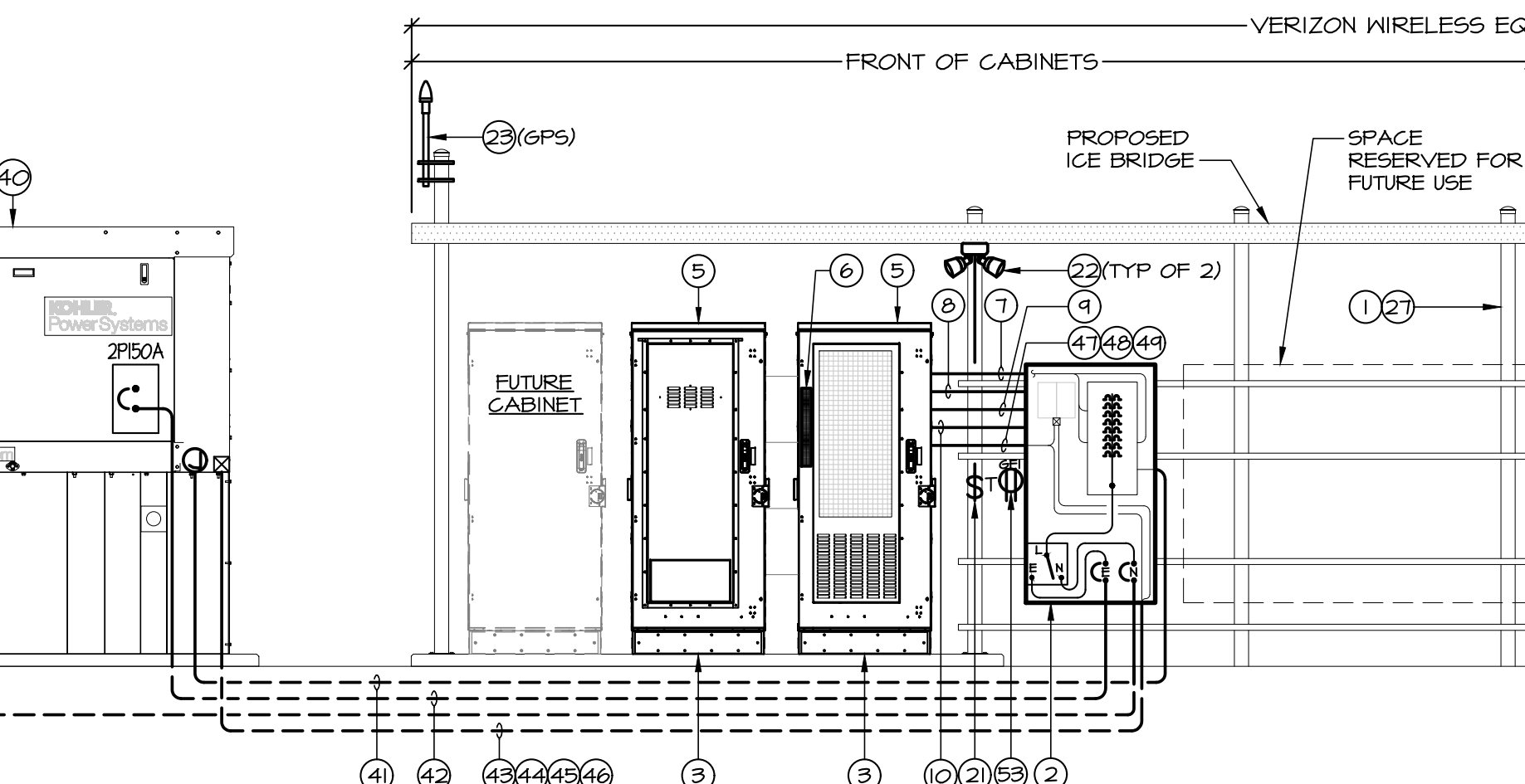
PROPOSED VERIZON WIRELESS EQUIPMENT PAD

OWNER PROVIDED EQUIPMENT

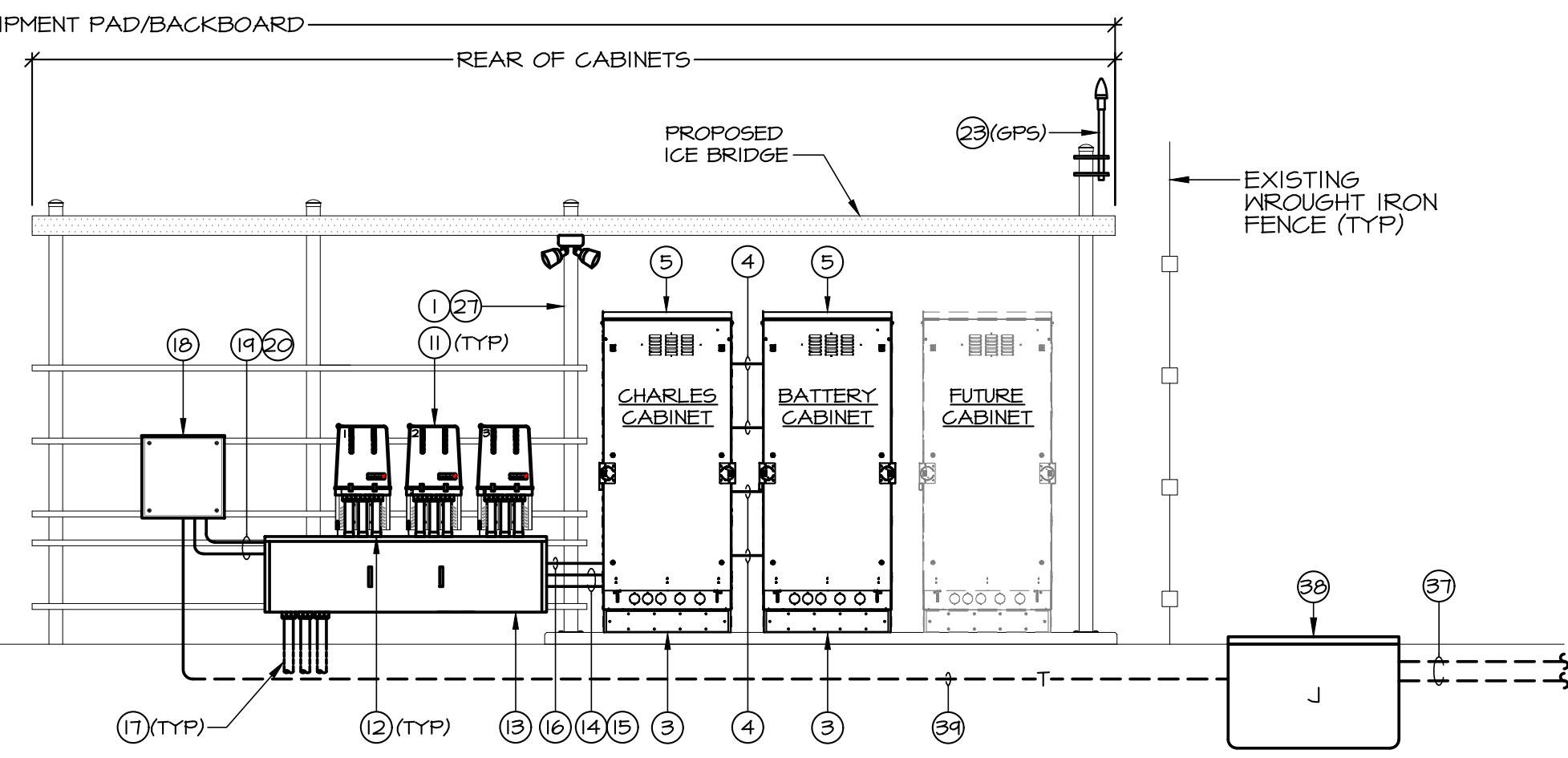
SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"



0 1 2 3 4 8 12

SCALE: 1/4" = 1'-0"



E-3
E003



1
2
3
4
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11

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