

DW TOWER, LLC

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1603 GOLF COURSE ROAD SE, SUITE 4
RIO RANCHO, NM 87124



UTAH MARKET OFFICE
136 SOUTH MAIN STREET, SUITE 400
SALT LAKE CITY, UTAH 84101

CORPORATE OFFICE
3129 TIGER RUN COURT, SUITE #206
CARLSBAD, CALIFORNIA 92010

DRAWN BY: JAY C
CHECKED BY: DAN T

REV	DATE	DESCRIPTION
0	07.03.2024	CONSTRUCTION DWGS

19669 - BOAT LAUNCH MW
SE SEC 7, T42S, R19E
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
- RAWLAND SITE --

SHEET TITLE
TITLE SHEET
VICINITY MAP
GENERAL INFORMATION

SHEET NUMBER
T100

SITE NAME: 19669 - BOAT LAUNCH MW

SITE INFORMATION

APPLICANT:
DW TOWER, LLC
1603 GOLF COURSE ROAD SE, SUITE 4
RIO RANCHO, NM 87124

SITE ADDRESS:
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531

LATITUDE AND LONGITUDE:
N 37°08'56.81", W 109°51'31.45"

ZONING JURISDICTION:
MEXICAN HAT CITY

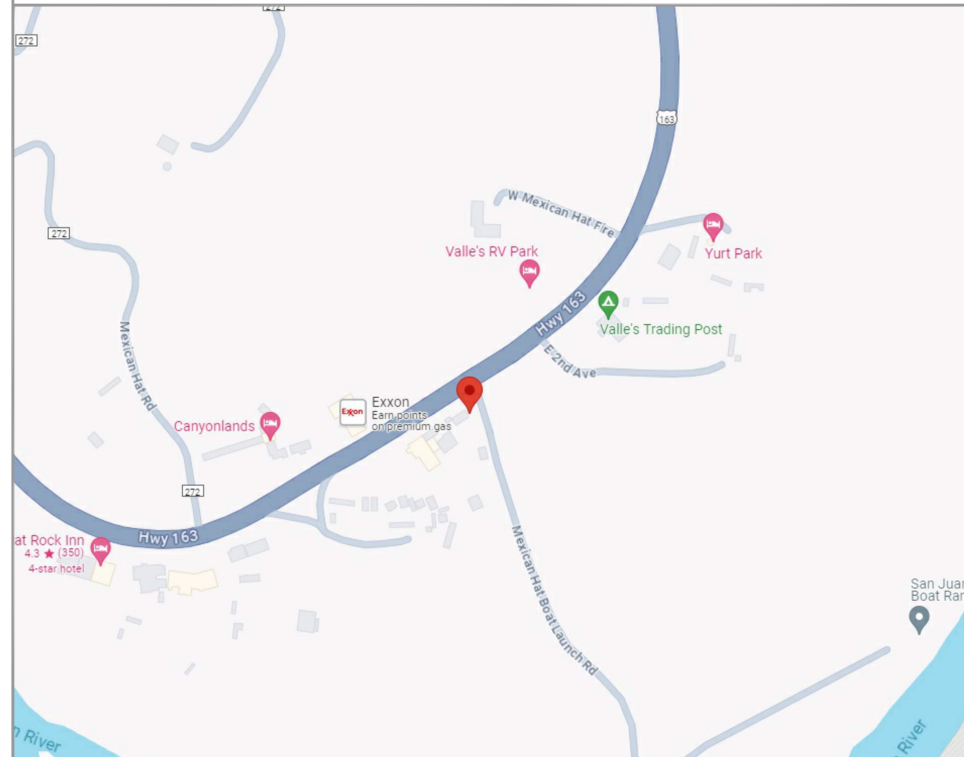
PROJECT DESCRIPTION:
DWT IS PROPOSING TO INSTALL A MICROWAVE DISH UPON A 25' TALL POLE WITH AN EQUIPMENT CABINET LOCATED UPON A CONCRETE PAD

TYPE OF CONSTRUCTION:
MICROWAVE DISH ON POLE, EQUIPMENT CABINET ON CONCRETE PAD

HANDICAP REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAP ACCESS REQUIREMENTS DO NOT APPLY

POWER COMPANY:
ROCKY MOUNTAIN POWER, 1-888-221-7070

LOCATION MAP



DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, AND EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

DRIVING DIRECTIONS

FROM THE DWT OFFICES IN NEW MEXICO, TAKE I-40 WEST FOR 134 MILES TO EXIT #20 IN GALLUP NM FOR MUNOZ BLVD. TURN RIGHT AND GO NORTH FOR 7.2 MILES TO NM 264 W AND CONTINUE WEST FOR 16.7 MILES TO INDIAN ROUTE 12 JUST AFTER YOU CROSS THE BORDER INTO ARIZONA. TURN RIGHT AND CONTINUE NORTH ON I.R. 12 FOR 72 MILES AT WHICH POINT IT TURNS INTO U.S. 191 IN ROUND ROCK, CONTINUE ANOTHER 26.4 MILES UNTIL YOU REACH U.S. 163 IN UTAH. TURN LEFT AND GO WEST FOR 19.9 MILES UNTIL YOU REACH THE SITE LOCATION ON THE LEFT (SOUTH) SIDE OF THE ROAD AT THE COORDINATES LISTED ON THIS PAGE.

UTAH CODE COMPLIANCE

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF INTERNATIONAL BUILDING CODE (2021 IBC) AND NATIONAL ELECTRIC CODE (2020 NEC), ALONG WITH ALL APPLICABLE FEDERAL, STATE, COUNTY, AND MUNICIPAL BUILDING CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE CONSTRUCTION OF THIS PROJECT, SHALL APPLY THROUGHOUT. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

DRAWING INDEX

SHEET NO.	SHEET TITLE	REV	REV DATE
SURV	SITE SURVEY	0	
C100	OVERALL SITE PLAN	0	
C101	ENLARGED SITE PLAN	0	
C200	SITE ELEVATIONS	0	
C300	SITE GRADING, UTILITY RACK, FENCING	0	
C301	GENERAL AND SITE WORK NOTES	0	
S100	EQUIPMENT CABINET SLAB	0	
S102	STRUCTURAL NOTES	0	
E100	GROUNDING SITE PLAN	0	
E200	GROUND BAR, TEST WELL, GROUND ROD	0	
E201	ONE-LINE DIAGRAM, TRENCHING	0	

CONTACT INFORMATION

SITE ACQUISITION AND CONSTRUCTION MANAGEMENT:
DW TOWER, LLC
1603 GOLF COURSE ROAD SE, SUITE A4
RIO RANCHO, NM 87124
CONTACT: MIKE FRAZIER
PHONE: 602-859-9306



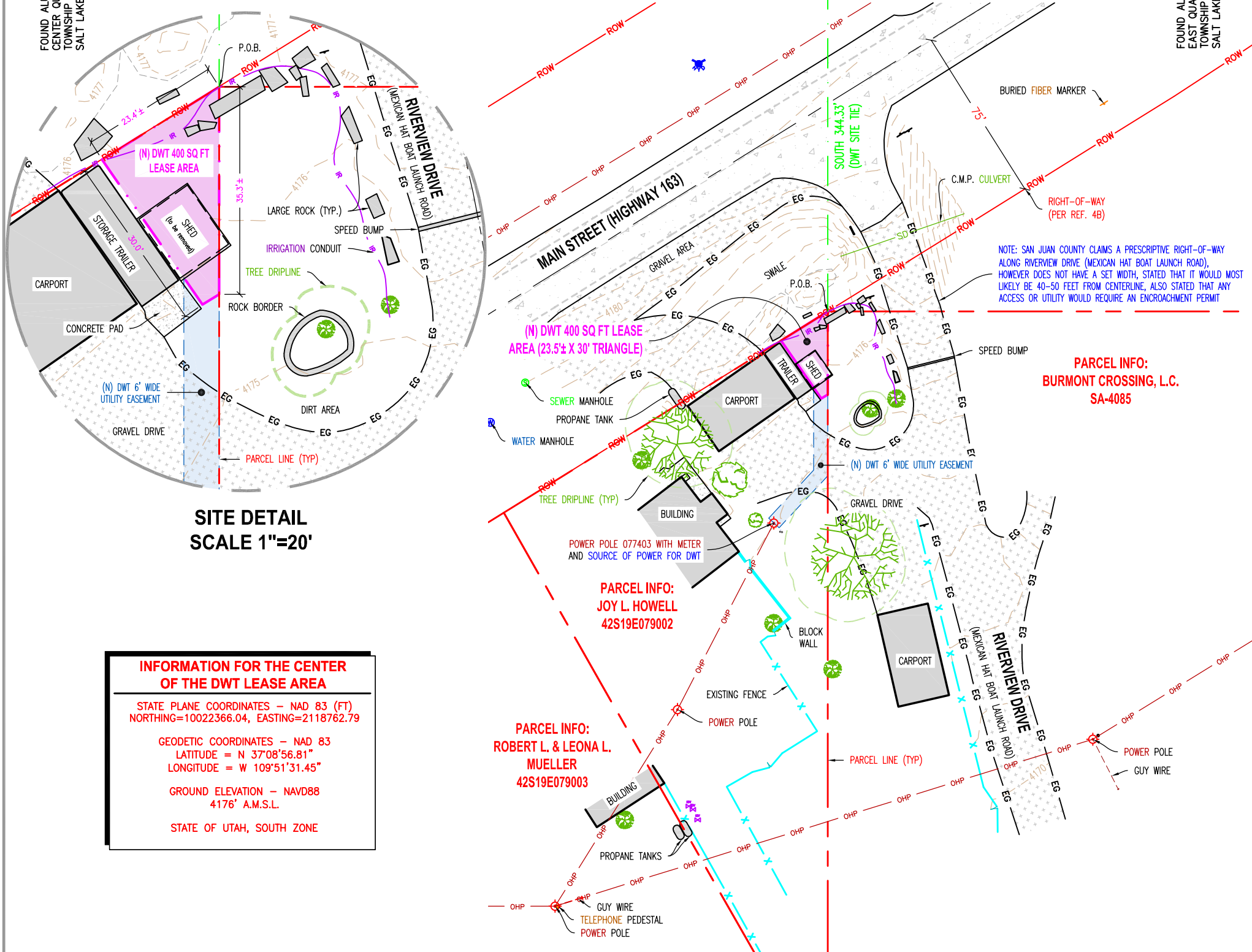
UNDERGROUND SERVICE ALERT, CALL 'BLUE STAKES OF UTAH' @ 811 OR 1-800-662-4111
THREE WORKING DAYS BEFORE YOU DIG



BASIS OF BEARING
 N89°46'48"W 2641.93' (M)
 1127.05' - (DWT SITE TIE)

FOUND ALUMINUM CAP MONUMENT
 CENTER QUARTER CORNER SECTION 7,
 TOWNSHIP 42 SOUTH, RANGE 19 EAST,
 SALT LAKE BASE AND MERIDIAN

FOUND ALUMINUM CAP MONUMENT
 EAST QUARTER CORNER SECTION 7,
 TOWNSHIP 42 SOUTH, RANGE 19 EAST,
 SALT LAKE BASE AND MERIDIAN



SITE DETAIL
 SCALE 1"=20'

INFORMATION FOR THE CENTER OF THE DWT LEASE AREA

STATE PLANE COORDINATES - NAD 83 (FT)
 NORTHING=10022366.04, EASTING=2118762.79

GEODETIC COORDINATES - NAD 83
 LATITUDE = N 37°08'56.81"
 LONGITUDE = W 109°51'31.45"

GROUND ELEVATION - NAVD88
 4176' A.M.S.L.

STATE OF UTAH, SOUTH ZONE

CERTIFICATE OF SURVEY:
 I, JERRY FLETCHER, PROFESSIONAL LAND SURVEYOR, STATE OF UTAH, LICENSE NUMBER 6436064, CERTIFY THAT I HAVE SUPERVISED A SURVEY ON THE GROUND AS SHOWN HEREON:

DWT LEASE SITE DESCRIPTION:
 LOCATED IN THE SOUTHEAST QUARTER OF SECTION 7, TOWNSHIP 42 SOUTH, RANGE 19 EAST, SALT LAKE BASE AND MERIDIAN, SAN JUAN COUNTY, STATE OF UTAH, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT LOCATED NORTH 89°46'48" WEST 1127.05 FEET ALONG SECTION LINE AND SOUTH 344.33 FEET FROM THE EAST QUARTER CORNER OF SECTION 7, TOWNSHIP 42 SOUTH, RANGE 19 EAST, SALT LAKE BASE AND MERIDIAN (BASIS OF BEARING BEING BETWEEN THE EAST QUARTER CORNER AND THE CENTER QUARTER CORNER OF SAID SECTION 7) AND RUNNING THENCE SOUTH 35.27 FEET; THENCE SOUTH 58°09'00" WEST 3.30 FEET; THENCE NORTH 34°44'58" WEST 30.00 FEET, MORE OR LESS, TO THE SOUTH RIGHT-OF-WAY LINE OF HIGHWAY 163; THENCE ALONG SAID RIGHT-OF-WAY LINE, NORTH 58°09'00" EAST 23.43 FEET TO THE POINT OF BEGINNING.

CONTAINS: 400 SQ. FT. OR 0.009 ACRES, MORE OR LESS, (AS DESCRIBED).

DWT UTILITY EASEMENT DESCRIPTION:
 A 6 FOOT WIDE UTILITY EASEMENT FOR THE PURPOSE OF INSTALLING UNDERGROUND UTILITIES, BEING 3 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BEGINNING AT A POINT ON THE SOUTHWESTERLY LINE OF THE DWT LEASE AREA, SAID POINT BEING NORTH 89°46'48" WEST 1130.05 FEET ALONG SECTION LINE AND SOUTH 381.07 FEET FROM THE EAST QUARTER CORNER OF SECTION 7, TOWNSHIP 42 SOUTH, RANGE 19 EAST, SALT LAKE BASE AND MERIDIAN (BASIS OF BEARING BEING BETWEEN THE EAST QUARTER CORNER AND THE CENTER QUARTER CORNER OF SAID SECTION 7) AND RUNNING THENCE SOUTH 31.87 FEET; THENCE SOUTH 43°09'00" WEST 29.14 FEET, MORE OR LESS, TO AN EXISTING POWER POLE AND TERMINATING.

CONTAINS: 0.009 ACRES, MORE OR LESS, (AS DESCRIBED).

NARRATIVE:
 (1) THE PURPOSE OF THIS SURVEY IS TO LOCATE AND SURVEY A PROPOSED COMMUNICATIONS TOWER SITE.

(2) THE BASIS OF BEARING USED FOR THIS SURVEY IS AS SHOWN ON THIS PLAT, FROM FOUND MONUMENTS AS LOCATED IN THE FIELD.

(M) = MEASURED BEARING OR DISTANCE.
 (R) = RECORDED BEARING OR DISTANCE.
 (CALC) = CALCULATED BEARING OR DISTANCE.

(3) PARCEL LINES ARE SHOWN AS REFERENCE PER RECORD INFORMATION AND DOES NOT CONSTITUTE OR PURPORT TO BE A BOUNDARY SURVEY.

(4) REFERENCE PLATS:
 (A) BUREAU OF LAND MANAGEMENT, TOWNSHIP 42 SOUTH, RANGE 19 EAST, OF THE SALT LAKE MERIDIAN, UTAH. DEPENDENT RESURVEY AND SUBDIVISION OF SECTION PLAT, DATED MAY 13, 2003.
 (B) U.D.O.T. PROJECT 0402(SP1686) RIGHT-OF-WAY PLAN SHEETS AND 4 FOR HIGHWAY 163, DATED 1960.

(5) SCHEDULE B NOTES PER TOWER TITLE, FILE NO. MTA-174938-PR, DATED 04/17/1989-04/15/2024:
 (A) LIENS AND REQUIREMENTS LISTED AS NONE OF RECORD. (NOT SHOWN ON PLAT)
 (B) EASEMENTS AND RESTRICTIONS LISTED AS NONE OF RECORD. (NOT SHOWN ON PLAT)

(6) SURVEY MATTERS FROM ABOVE REFERENCED TITLE REPORT HAVE BEEN REVIEWED AND SHOWN OR LISTED AS PROVIDED ON PLAT.

NOTE: SAN JUAN COUNTY CLAIMS A PRESCRIPTIVE RIGHT-OF-WAY ALONG RIVERVIEW DRIVE (MEXICAN HAT BOAT LAUNCH ROAD), HOWEVER DOES NOT HAVE A SET WIDTH, STATED THAT IT WOULD MOST LIKELY BE 40-50 FEET FROM CENTERLINE, ALSO STATED THAT ANY ACCESS OR UTILITY WOULD REQUIRE AN ENCROACHMENT PERMIT

PARCEL INFO:
 BURMONT CROSSING, L.C.
 SA-4085

PARCEL INFO:
 JOY L. HOWELL
 42S19E079002

PARCEL INFO:
 ROBERT L. & LEONA L. MUELLER
 42S19E079003

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CORPORATE OFFICE
 3129 TIGER RUN COURT, SUITE #206
 CARLSBAD, CALIFORNIA 92010

SURVEY PREPARED BY:

 SUPERIOR SURVEYING, LLC
 PHONE: 801-230-8968
 EMAIL: JERRY@SUPERIOR-SURVEYING.COM

DRAWN BY: JERRY F
 CHECKED BY: JERRY F

REV	DATE	DESCRIPTION
0	06.28.2024	SITE SURVEY

REV	DATE	DESCRIPTION
0	06.28.2024	SITE SURVEY



19669 - BOAT LAUNCH MW
 SE SEC 7, T42S, R19E
 100 HIGHWAY 163
 MEXICAN HAT, UTAH 84531
 -- RAWLAND SITE --

SHEET TITLE
SITE SURVEY

SHEET NUMBER
SURV

ASAC INFORMATION SHEET 91:003

INFORMATION REGARDING SURVEY DATA SUBMITTED TO THE FAA

FAA Order 8260.19c requires proponents of certain proposed construction (located beneath instrument procedures) provide the FAA with a site survey and/or letter, from a licensed land surveyor, which certifies the site coordinates and the surface elevation at the site. On October 15, 1992, the FAA started using the North American Datum of 1983 (NAD-83), and therefore all site coordinates should be based on NAD-83. The FAA requires that the survey letter contain an accuracy statement that meets accuracy tolerances required by the FAA. The most requested tolerances are +/- 50 feet in the horizontal and +/- 20 feet in the vertical (2-C). When the site coordinates and/or site elevation can be certified to a greater accuracy than requested by the FAA, please do so.

In order to avoid FAA processing delays, the original site survey or certifying letter should be attached to the 7460 when it is filed at the FAA's regional office. It must be signed and sealed by the licensed land surveyor having performed or supervised the survey.

The FAA accuracy codes and a sample accuracy statement are listed below.

ACCURACY CODES:

<u>HORIZONTAL</u>		<u>VERTICAL</u>	
<u>Code</u>	<u>Tolerance</u>	<u>Code</u>	<u>Tolerance</u>
1	+/- 15 ft	A	+/- 3 ft
2	+/- 50 ft	B	+/- 10 ft
3	+/- 100 ft	C	+/- 20 ft
4	+/- 250 ft	D	+/- 50 ft
5	+/- 500 ft	E	+/- 125 ft
6	+/- 1000 ft	F	+/- 250 ft
7	+/- 1/2 NM	G	+/- 500 ft
8	+/- 1 NM	H	+/- 1000 ft
9	Unknown	I	Unknown

Date: JULY 2, 2024

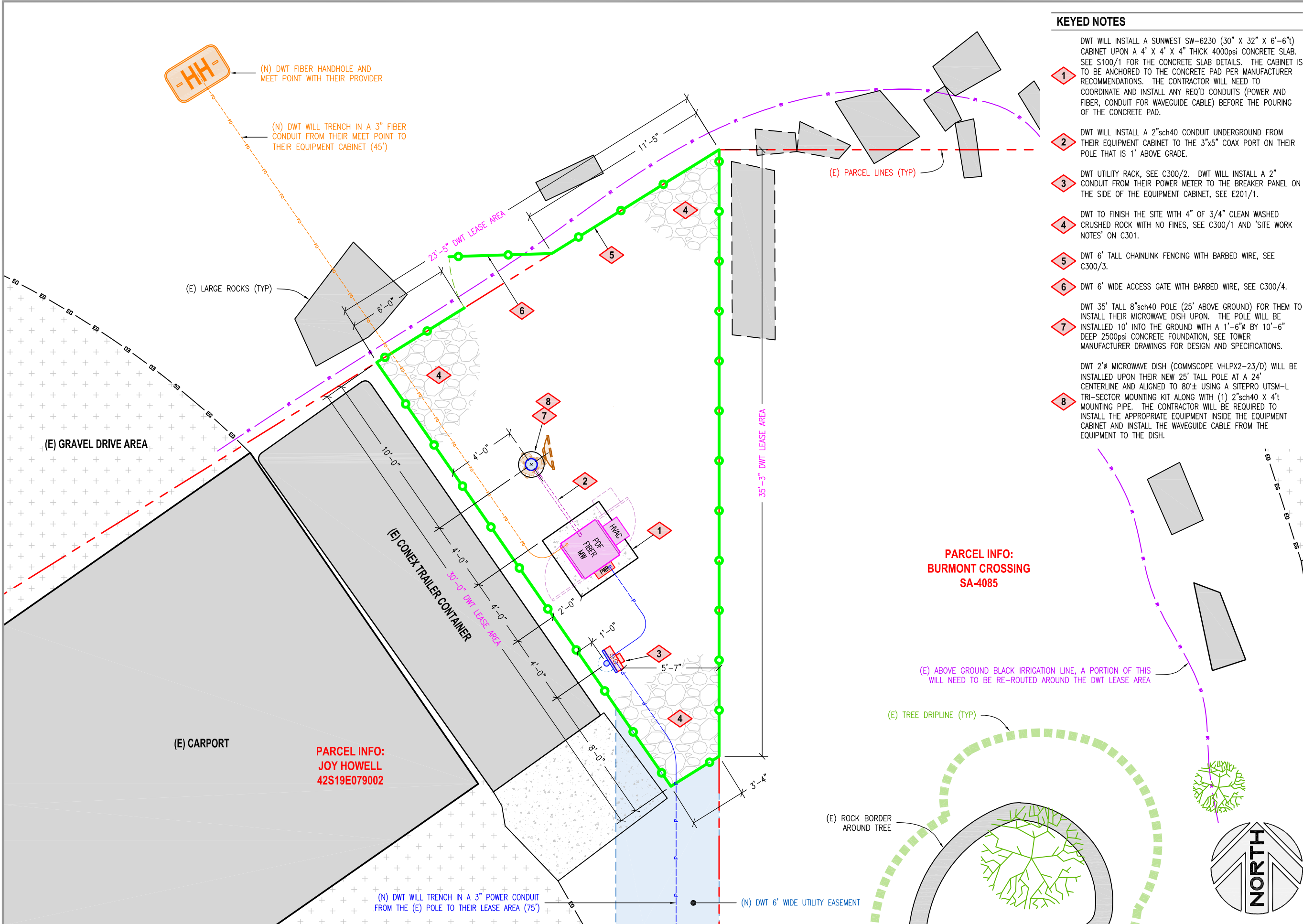
Re: 19669 - BOAT LAUNCH MW
SE 1/4 OF SECTION 7, TOWNSHIP 42 SOUTH, RANGE 19 EAST, SALT LAKE MERIDIAN

I certify that the latitude of N 37°08'56.81", and the longitude of W 109°51'31.45", are accurate to within 15 feet horizontally and the site elevation of 4176 feet, AMSL (American Mean Sea Level), is accurate to within +/- 3 feet vertically. The horizontal datum (coordinates) are in terms of the North American Datum of 1983 (NAD-83) and are expressed as degrees, minutes and seconds, to the nearest (tenth/hundredth) of a second. The vertical datum (heights) are in terms of the (NAVD88) and are determined to the nearest foot.



Professional Licensed Land Surveyor: _____
1-A FAA Letter Jerry Fletcher, Utah LS no. 6436064

EXISTING WATER
 EXISTING STORM DRAIN
 EXISTING SEWER
 EXISTING TELCO/FIBER
 EXISTING POWER
 EXISTING FENCING
 EXISTING RIGHT-OF-WAY LINE
 EXISTING PARCEL LINE
 DWT FIBER INSTALL
 DWT FIBER
 DWT POWER INSTALL
 DWT POWER
 DWT UTILITY EASEMENT
 DWT UTILITY
 DWT ACCESS/UTILITY EASEMENT
 DWT TOWERS LEASE AREA



KEYED NOTES

- 1 DWT WILL INSTALL A SUNWEST SW-6230 (30" X 32" X 6'-6") CABINET UPON A 4' X 4' X 4" THICK 4000psi CONCRETE SLAB. SEE S100/1 FOR THE CONCRETE SLAB DETAILS. THE CABINET IS TO BE ANCHORED TO THE CONCRETE PAD PER MANUFACTURER RECOMMENDATIONS. THE CONTRACTOR WILL NEED TO COORDINATE AND INSTALL ANY REQ'D CONDUITS (POWER AND FIBER, CONDUIT FOR WAVEGUIDE CABLE) BEFORE THE POURING OF THE CONCRETE PAD.
- 2 DWT WILL INSTALL A 2"sch40 CONDUIT UNDERGROUND FROM THEIR EQUIPMENT CABINET TO THE 3"x5" COAX PORT ON THEIR POLE THAT IS 1' ABOVE GRADE.
- 3 DWT UTILITY RACK, SEE C300/2. DWT WILL INSTALL A 2" CONDUIT FROM THEIR POWER METER TO THE BREAKER PANEL ON THE SIDE OF THE EQUIPMENT CABINET, SEE E201/1.
- 4 DWT TO FINISH THE SITE WITH 4" OF 3/4" CLEAN WASHED CRUSHED ROCK WITH NO FINES, SEE C300/1 AND 'SITE WORK NOTES' ON C301.
- 5 DWT 6' TALL CHAINLINK FENCING WITH BARBED WIRE, SEE C300/3.
- 6 DWT 6' WIDE ACCESS GATE WITH BARBED WIRE, SEE C300/4.
- 7 DWT 35' TALL 8"sch40 POLE (25' ABOVE GROUND) FOR THEM TO INSTALL THEIR MICROWAVE DISH UPON. THE POLE WILL BE INSTALLED 10' INTO THE GROUND WITH A 1'-6"Ø BY 10'-6" DEEP 2500psi CONCRETE FOUNDATION, SEE TOWER MANUFACTURER DRAWINGS FOR DESIGN AND SPECIFICATIONS.
- 8 DWT 2'Ø MICROWAVE DISH (COMMSCOPE VHLPX2-23/D) WILL BE INSTALLED UPON THEIR NEW 25' TALL POLE AT A 24' CENTERLINE AND ALIGNED TO 80± USING A SITEPRO UTSM-L TRI-SECTOR MOUNTING KIT ALONG WITH (1) 2"sch40 X 4' MOUNTING PIPE. THE CONTRACTOR WILL BE REQUIRED TO INSTALL THE APPROPRIATE EQUIPMENT INSIDE THE EQUIPMENT CABINET AND INSTALL THE WAVEGUIDE CABLE FROM THE EQUIPMENT TO THE DISH.

DW TOWER, LLC

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Technology Associates

UTAH MARKET OFFICE
 136 SOUTH MAIN STREET, SUITE 400 SALT LAKE CITY, UTAH 84101

CORPORATE OFFICE
 3129 TIGER RUN COURT, SUITE #206 CARLSBAD, CALIFORNIA 92010

DRAWN BY: JAY C
 CHECKED BY: DAN T

REV	DATE	DESCRIPTION
0	07.03.2024	CONSTRUCTION DWGS

19669 - BOAT LAUNCH MW SE SEC 7, T42S, R19E 100 HIGHWAY 163 MEXICAN HAT, UTAH 84531 - RAWLAND SITE -

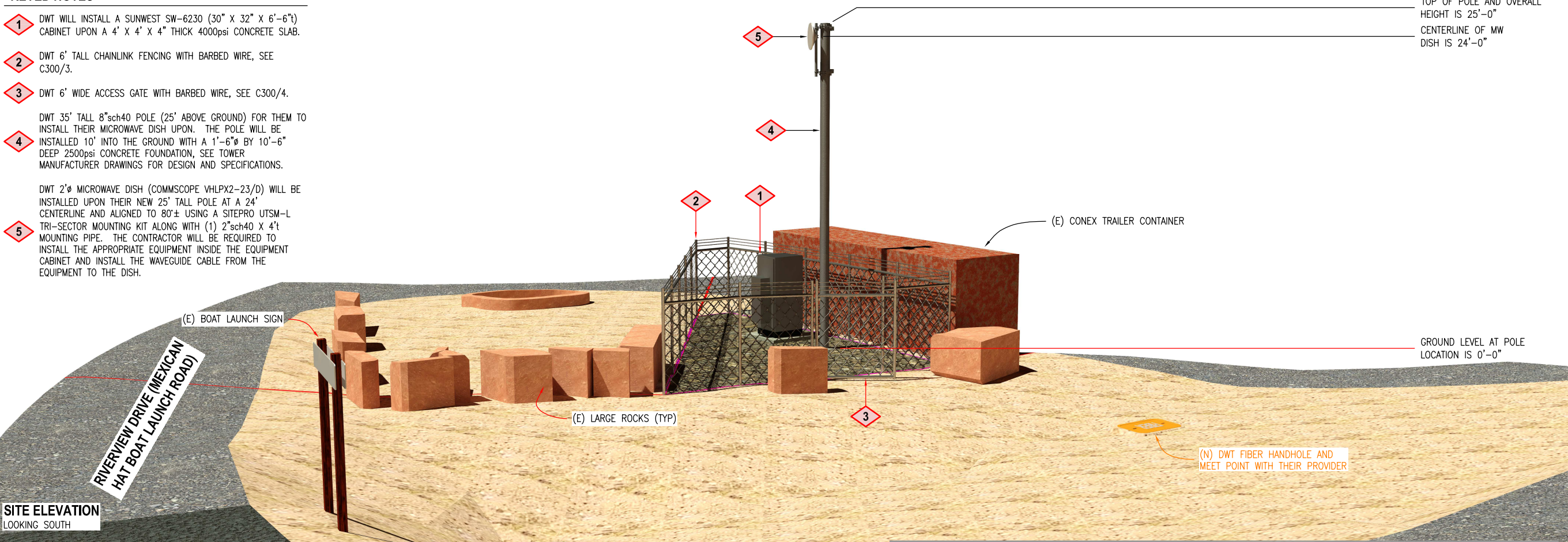
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
C101

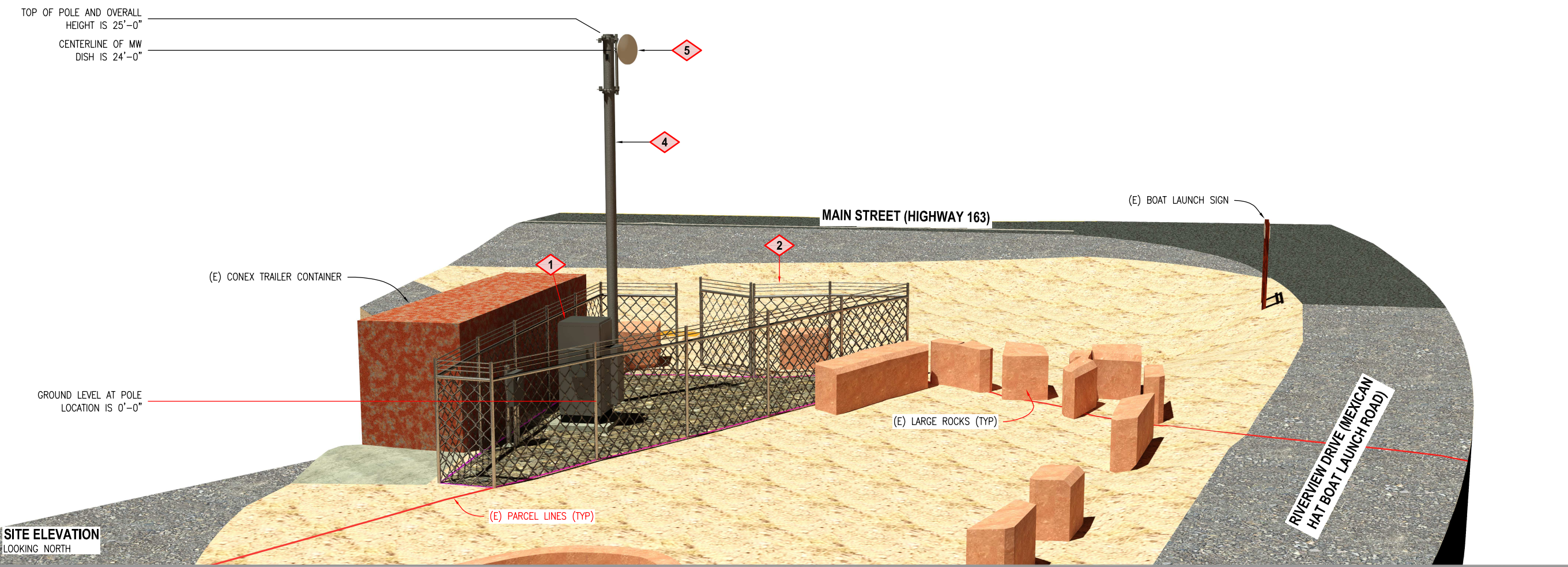
KEYED NOTES

- 1** DWT WILL INSTALL A SUNWEST SW-6230 (30" X 32" X 6'-6") CABINET UPON A 4' X 4' X 4" THICK 4000psi CONCRETE SLAB.
- 2** DWT 6' TALL CHAINLINK FENCING WITH BARBED WIRE, SEE C300/3.
- 3** DWT 6' WIDE ACCESS GATE WITH BARBED WIRE, SEE C300/4.
- 4** DWT 35' TALL 8"sch40 POLE (25' ABOVE GROUND) FOR THEM TO INSTALL THEIR MICROWAVE DISH UPON. THE POLE WILL BE INSTALLED 10' INTO THE GROUND WITH A 1'-6"Ø BY 10'-6" DEEP 2500psi CONCRETE FOUNDATION, SEE TOWER MANUFACTURER DRAWINGS FOR DESIGN AND SPECIFICATIONS.
- 5** DWT 2'Ø MICROWAVE DISH (COMMSCOPE VHLPX2-23/D) WILL BE INSTALLED UPON THEIR NEW 25' TALL POLE AT A 24' CENTERLINE AND ALIGNED TO 80± USING A SITEPRO UTM-S-L TRI-SECTOR MOUNTING KIT ALONG WITH (1) 2"sch40 X 4' MOUNTING PIPE. THE CONTRACTOR WILL BE REQUIRED TO INSTALL THE APPROPRIATE EQUIPMENT INSIDE THE EQUIPMENT CABINET AND INSTALL THE WAVEGUIDE CABLE FROM THE EQUIPMENT TO THE DISH.

TOP OF POLE AND OVERALL HEIGHT IS 25'-0"
 CENTERLINE OF MW DISH IS 24'-0"



SITE ELEVATION
 LOOKING SOUTH



SITE ELEVATION
 LOOKING NORTH

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19669 - BOAT LAUNCH MW
 SE SEC 7, T42S, R19E
 100 HIGHWAY 163
 MEXICAN HAT, UTAH 84531
 -- RAWLAND SITE --

SHEET TITLE
SITE ELEVATIONS

SHEET NUMBER
C200

EXISTING WATER
 EXISTING STORM DRAIN
 EXISTING SEWER
 EXISTING TELCO/FIBER
 EXISTING POWER
 EXISTING FENCING
 EXISTING UTILITY EASEMENT
 EXISTING RIGHT-OF-WAY LINE
 EXISTING ACCESS/UTILITY EASEMENT
 EXISTING PARCEL LINE
 DWT TOWERS LEASE AREA
 DWT FIBER INSTALL
 DWT FIBER INSTALL
 DWT POWER INSTALL
 DWT POWER INSTALL
 DWT UTILITY EASEMENT
 DWT UTILITY EASEMENT
 DWT ACCESS/UTILITY EASEMENT
 DWT ACCESS/UTILITY EASEMENT
 DWT TOWERS LEASE AREA
 DWT TOWERS LEASE AREA

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100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
-- RAWLAND SITE --

SHEET TITLE
SITE FINISH, UTILITY
RACM FENCING

SHEET NUMBER
C300

NOTE:

- ALL SERVICE EQUIPMENT SHALL MEET POWER COMPANY REQUIREMENTS AND BE REVIEWED AND APPROVED BY POWER COMPANY PRIOR TO BEGINNING WORK.
- ALL CONDUIT GOING TO UTILITY RACK TO BE GALVANIZED RIGID CONDUIT, AND ALL CONDUIT SIZES ARE TO BE FIELD VERIFIED.

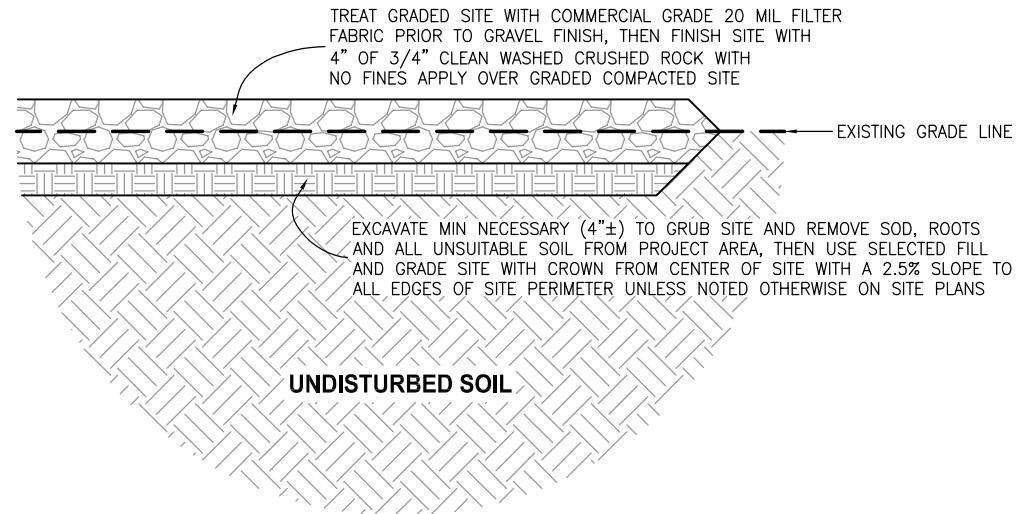
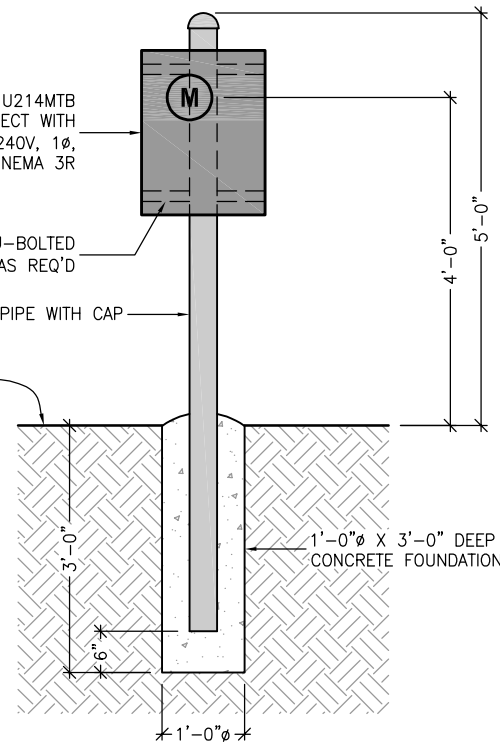
COOPER B-LINE COMMERCIAL RATED U214MTB
COMBINATION METER AND MAIN DISCONNECT WITH
UNDERGROUND FEED, 100A 120/240V, 1Ø,
3W, RING-TYPE, NEMA 3R

P1000T UNISTRUT U-BOLTED
TO SUPPORT PIPE AS REQ'D

3-1/2" SCH 40 GALVANIZED PIPE WITH CAP

FINISHED GRADE

1'-0"Ø X 3'-0" DEEP
CONCRETE FOUNDATION



SITE GRADING AND FINISHING

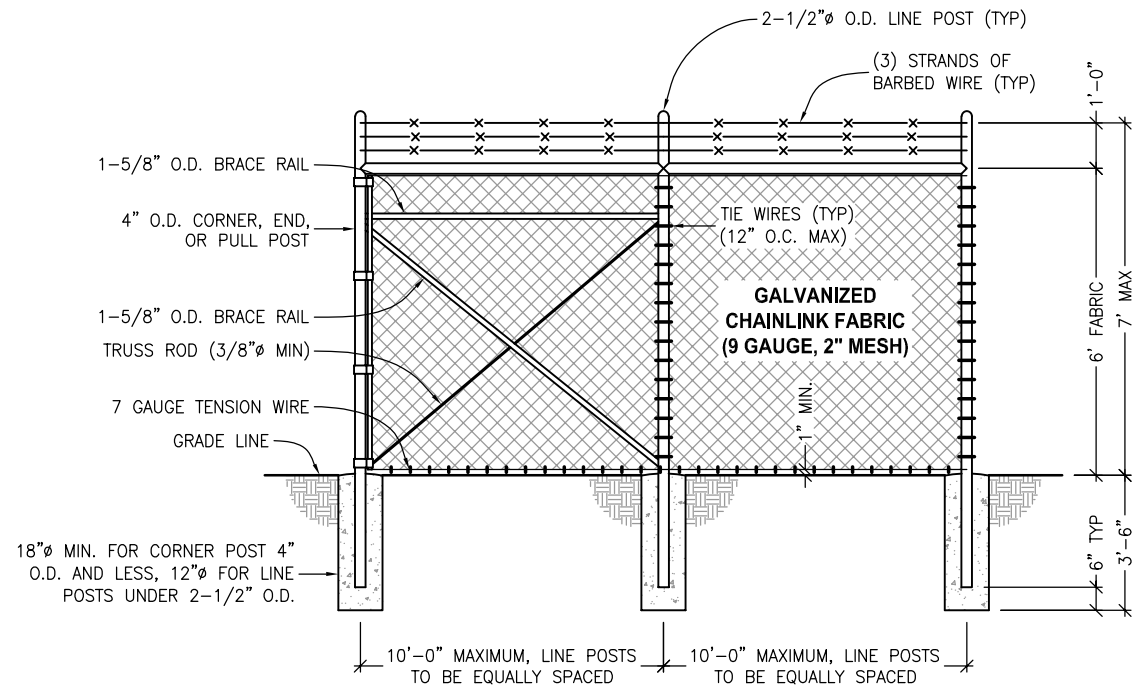
SCALE: NOT TO SCALE 1

UTILITY RACK

SCALE: NOT TO SCALE 2

NOTE: ALL FENCE POSTS TO BE SCHEDULE 40

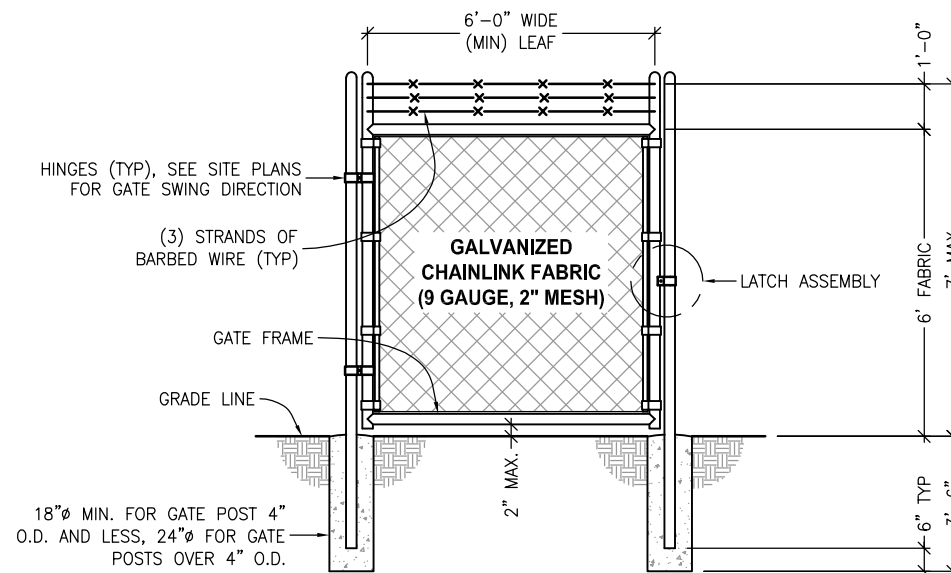
NOTE: ALL FENCE POSTS TO BE SCHEDULE 40



ELEVATION VIEW

CHAINLINK FENCING

SCALE: NOT TO SCALE 3



ELEVATION VIEW

SINGLE SWING GATE

SCALE: NOT TO SCALE 4

GENERAL NOTES:

(1) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF INTERNATIONAL BUILDING CODE (IBC) AND NATIONAL ELECTRIC CODE (NEC), ALONG WITH ALL APPLICABLE FEDERAL, STATE, COUNTY, AND MUNICIPAL BUILDING CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE CONSTRUCTION OF THIS PROJECT, SHALL APPLY THROUGHOUT.
THE DESIGN CRITERIA USED FOR THIS PROJECT ARE AS FOLLOWS: 2021 IBC, 2021 IECC, AND 2020 NEC.

(2) ALL GROUNDING IS TO BE IN ACCORDANCE WITH TIA/EIA 222, THE LATEST EDITION OF NFPA 780 FOR LIGHTNING PROTECTION, AND THE LATEST EDITION OF VZW NST046 (MACRO) AND SMALL CELL GROUNDING STANDARDS, SAID VZW STANDARDS SUPERCEDE ANY DISCREPANCIES SHOWN ON THESE DRAWINGS.

(3) ELECTRICAL SYSTEMS SHALL BE INSTALLED PER NEC AND IN ACCORDANCE WITH ALL APPLICABLE UTILITY COMPANY SPECIFICATIONS, LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

(4) PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.

(5) THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.

(6) THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITATION. (NO HANDICAP ACCESS IS REQUIRED).

(7) OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH.

(8) NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.

(9) DRAWINGS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY. THE WORK INDICATED ON THE DRAWINGS SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO COMPLETE THE WORK. VERIFY ALL EQUIPMENT LOCATIONS WITH CONSTRUCTION MANAGER.

(10) THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS MAY CHANGE IN THE FIELD. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS AND LOCATIONS AND REPORT ANY AND ALL DISCREPANCIES TO VERIZON WIRELESS PRIOR TO COMMENCING THE RELATED WORK. ANY MINOR ERRORS OR OMISSIONS IN THE DRAWINGS AND SPECIFICATIONS, DOES NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

(11) PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW SCOPE OF WORK AND BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, INCLUDING BUT NOT LIMITED TO DEMOLITION, MECHANICAL AND ELECTRICAL INSTALLATIONS AND THE OVERALL COORDINATION AND SHALL ADJUST BID ACCORDINGLY. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS ON THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN BEFORE PROCEEDING.

(12) NOTIFY CONSTRUCTION MANAGER OF ANY MAJOR DISCREPANCY REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.

(13) INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

(14) ALL TELEPHONE/RADIO EQUIPMENT LAYOUT, SPECIFICATIONS, PERFORMANCE, INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY CONSTRUCTION MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK AND CLEARANCE REQUIRED BY OTHERS RELATED TO SAID EQUIPMENT.

(15) ALL WORK PERFORMED AND MATERIALS SHALL MEET THE HIGHEST TRADE STANDARDS. AS A MINIMUM STANDARD, CONFORM WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.

(16) CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE ON THE JOB SITE AND SHALL SUPERVISE AND DIRECT ALL WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND WITH COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

(17) THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE PRESENT CONDITION OF ANY EXISTING BUILDINGS, LANDSCAPING, FENCING, EQUIPMENT, WALKS, DRIVES, AND ATTACHMENTS. IF ANY DAMAGE SHOULD OCCUR, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE DAMAGE TO A BETTER OR NEW CONDITION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THEIR WORK, SHALL BE PROTECTED AT ALL TIMES, EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.

(18) SEAL ALL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED OR F.M. APPROVED MATERIALS.

(19) DETAILS AND SCHEMATICS ARE TO PROPOSED TO SHOW END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE NECESSARY TO SUIT JOB CONDITIONS AND DIMENSIONS. SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

(20) VERIFY ALL FINAL EQUIPMENT LOCATIONS WITH OWNERS REPRESENTATIVE.

(21) DIMENSIONS ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED.

(22) CLEANUP AND SAFETY: KEEP PROJECT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND EQUIPMENT REMOVED AND NOT SPECIFIED AS REMAINING THE PROPERTY OF THE OWNER. LEAVE ROOM CLEAN (PREMISES IN A VACUUM AND BROOM CLEAN CONDITION) FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SYSTEMS EQUIPMENT IN A CLEAN WORKING ORDER UNTIL ACCEPTANCE OF THE PROJECT BY CONSTRUCTION MANAGER. CLEAN UP DAILY AT CONSTRUCTION MANAGERS DISCRETION.

(23) THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REDLINING THE CONSTRUCTION PLANS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE SITE. THIS WILL BE DONE AFTER THE SITE HAS BEEN AWARDED THE FINAL INSPECTION. TWO COPIES OF REDLINED DRAWINGS WILL BE PROVIDED TO CONSTRUCTION MANAGER.

(24) PHOTOS SHALL BE TAKEN OF THE SITE DAILY AT THE REQUEST OF THE CONSTRUCTION MANAGER. ALL WORK TO BE BURIED OR HIDDEN MUST BE PHOTOGRAPHED AND INSPECTED BY CONSTRUCTION MANAGER PRIOR TO BACK FILLING ETC. UNLESS OTHERWISE SPECIFIED BY CONSTRUCTION MANAGER.

(25) VERIFICATION THAT THE NEW OR EXISTING TOWER CAN SUPPORT THE PROPOSED ANTENNA LOADING IS TO BE DONE BY OTHERS.

SITE WORK:

(1) RELATED WORK: CONSTRUCTION OF BUILDING FOUNDATION, INSTALLATION OF UTILITY AND GROUNDING SYSTEM, ERECTION OF FENCE.

(2) DESCRIPTIONS OF ACCESS ROAD(S), TURNAROUND AREA(S), AND SITES ARE CONSTRUCTED TO PROVIDE A WELL DRAINED, EASILY MAINTAINED, EVEN SURFACE FOR MATERIAL AND EQUIPMENT DELIVERIES AND MAINTENANCE PERSONNEL ACCESS.

(3) QUALITY ASSURANCE:
(a) GRASS SEEDS SHALL BE APPLIED AND MAINTAINED AS RECOMMENDED BY THE SEED PRODUCER (IF REQUIRED).
(b) VEGETATION LANDSCAPING, IF INCLUDED WITHIN THE CONTRACT, WILL BE PLACED AND MAINTAINED AS RECOMMENDED BY NURSERY INDUSTRY STANDARDS.

(4) SEQUENCING:
(a) CONFIRM SURVEY STAKES AND SET ELEVATIONS PRIOR TO ANY CONSTRUCTION.
(b) THE COMPLETE ROAD AND SITE AREA WILL BE GRUBBED PRIOR TO FOUNDATION CONSTRUCTION OF PLACEMENT OF BACK FILL OR SUB-BASE MATERIAL.
(c) CONSTRUCT TEMPORARY CONSTRUCTION ZONE ACCESS DRIVE AND CONSTRUCTION AREA, INCLUDING ANY TEMPORARY FENCING REQUIRED TO MAINTAIN PUBLIC SAFETY DURING THE DURATION OF CONSTRUCTION.
(d) THE SITE AREA WILL BE BROUGHT TO SUB-BASE COURSE ELEVATION AND THE ACCESS ROAD TO BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATION.
(e) GRADE, SEED FERTILIZER AND MULCH DISTURBED AREAS IMMEDIATELY AFTER BRINGING SITE AND ACCESS ROAD TO BASE COURSE ELEVATION, WATER TO ENSURE GROWTH.
(f) REMOVE GRAVEL FROM TEMPORARY CONSTRUCTION ZONE TO AN AUTHORIZED AREA OR AS DIRECTED BY CONSTRUCTION MANAGER.

(5) SUBMITTALS, BEFORE CONSTRUCTION: IF LANDSCAPING IS APPLICABLE TO THE CONTRACT, TWO COPIES OF THE LANDSCAPE PLAN UNDER NURSERY LETTERHEAD. IF A LANDSCAPE ALLOWANCE WAS INCLUDED IN THE CONTRACT, AN ITEMIZED LISTING OF PROPOSED COSTS UNDER NURSERY LETTERHEAD (REFER TO SITE PLAN FOR LANDSCAPING REQUIREMENTS). SUBMIT FOR APPROVAL, 1/2 CUBIC FOOT OF THE PROPOSED SURFACE COURSE MATERIAL.

(6) WARRANTY:
(a) IN ADDITION TO THE WARRANTY ON ALL CONSTRUCTION COVERED IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL REPAIR ALL DAMAGE AND REPAIR AREA BACK AS CLOSE TO ORIGINAL CONDITION AS POSSIBLE TO LEASE AREA PROPERTY OR SURROUNDING CAUSED BY CONSTRUCTION.
(b) SOIL STERILIZATION APPLICATION WILL GUARANTEE VEGETATION FREE ROAD AND SITE AREAS FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
(c) DISTURBED AREAS WILL REFLECT GROWTH OF NEW GRASS COVER PRIOR TO FINAL INSPECTION.
(d) LANDSCAPING, IF INCLUDED WITHIN THE SCOPE OF THE CONTRACT, WILL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL INSPECTION.

(7) ALL FILL DIRT SHALL BE CLEAN AND NATURAL, FREE FROM ANY DELETERIOUS MATERIALS, ROOTS, ICE, SNOW, AND RUBBISH. A COPY OF ALL DELIVERY TICKETS SHALL BE SUBMITTED TO THE OWNERS REPRESENTATIVE WITHIN 24-HOURS FROM THE DELIVERY.

(8) ALL TRENCHES SHALL HAVE A 4" BASE OF CLEAN SAND FILL TO ACCEPT THE CONDUITS AND THEN ANOTHER 12" OF CLEAN SAND FILL ON TOP OF THE CONDUITS. THE REMAINDER OF THE TRENCH SHALL HAVE A CLEAN COMPACTIBLE FILL PLACED IN MAXIMUM LIFTS OF 8" AND MECHANICALLY COMPACTED TO A DENSITY OF 98% OF STANDARD PROCTOR MAXIMUM DENSITY. METALLIC WARNING TAPE SHALL BE PLACED AT 12" BELOW FINISHED GRADE ALONG THE ENTIRE TRENCH.

(9) ALL COMPACTION OF SITE AREAS SHALL BE ACCOMPLISHED BY MECHANICAL MEANS. LARGER AREAS SHALL BE COMPACTED BY A SHEEPS FOOT VIBRATORY ROLLER WEIGHING AT LEAST 5 TONS. SMALLER AREAS SHALL BE COMPACTED BY A POWER DRIVEN HAND HELD TAMPER. ALL COMPACTED AREAS SHALL BE COMPACTED TO WITHIN 95% OF STANDARD PROCTOR MAXIMUM DENSITY AND TESTED BY AN INDEPENDENT LABORATORY. THE OWNERS REPRESENTATIVE WILL PROVIDE THE CONTRACTOR WITH THE NAME AND NUMBER OF THE LABORATORY, BUT IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE TESTING. ANY SCHEDULING FOR A PROCTOR WILL BE THE CONTRACTORS RESPONSIBILITY AND MUST BE DONE IN A TIMELY FASHION TO ASSURE THE PROJECT WILL NOT BE DELAYED.

(10) ALL FILL OR STONE WILL BE PLACED IN MAXIMUM 8" LIFTS PRIOR TO COMPACTING.

(11) FINISH GRADE, INCLUDING TOP SURFACE COURSE, SHALL EXTEND 12" BEYOND THE SITE FENCE AND SHALL COVER THE AREA AS INDICATED.

(12) USE RIP RAP IN ANY AREAS WITH A SLOPE GREATER THAN 2:1.

(13) THE CONTRACTOR IS RESPONSIBLE TO ENSURE GROWTH OF THE SEED AND LANDSCAPING AREAS BY WATERING, STRAW, MULCH NET AND ANY OTHER PROPER LANDSCAPING METHOD NECESSARY. ALL AREAS MUST HAVE SUSTAINED GROWTH BY THE TIME OF COMPLETION OF THE PROJECT.

(14) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SOIL CONTROL, DUST SUPPRESSION, AND EROSION CONTROL DURING THE DURATION OF CONSTRUCTION, ANY DAMAGE TO ADJACENT OR DOWNSTREAM PROPERTIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR WILL BE RESPONSIBLE FOR:

(a) INSTALLING 30" TALL SILT FENCING (BURIED 6" MINIMUM WITH A 3" LIP) AROUND THE SITE CONSTRUCTION AND SPOILS AREA, THE SILT FENCING IS TO BE SECURED USING T-POSTS DRIVEN 1'-6" MINIMUM INTO THE GROUND AT 4'-0" O.C. MAXIMUM.
(b) INSTALLING SAND BAGS AROUND ANY STORM DRAIN INLETS FROM THE SITE AREA TO THE PUBLIC RIGHT-OF-WAY IN ORDER TO PREVENT SEDIMENTATION FROM ENTERING THE STORM DRAIN SYSTEM.
(c) PROVIDING A PRE-FABRICATED HAUL AWAY CONCRETE WASHOUT CONTAINER AND DISPOSE OF ANY UNUSED CONCRETE PROPERLY.
(d) PROVIDING TRACKING PADS NEAR THE SITE FOR MUD REMOVAL FROM CONSTRUCTION VEHICLES, THE CONTRACTOR WILL BE REQUIRED TO REMOVE ANY MUD/DEBRIS FROM THE VEHICLES BEFORE THEY LEAVE THE PROPERTY AS THE CONTRACTOR IS NOT ALLOWED TO TRACK ANY DEBRIS ONTO THE PUBLIC ROADS.
(e) PROVIDE A TEMPORARY RESTROOM FACILITY NEAR THE SITE LOCATION THAT CAN BE USED BY THE PEOPLE CONSTRUCTING THE FACILITY.

(15) THE CONTRACTOR IS TO MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO STAND OR POND. ANY DAMAGE TO STRUCTURES OR WORK ON THE SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST ASSOCIATED WITH REPAIRS FOR SUCH DAMAGE WILL BE AT THE CONTRACTORS EXPENSE.

(16) THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ALL DAMAGE TO THE SITE SUBSEQUENT TO THE INSTALLATION OF THE POWER AND TELCO LINES.

DEMOLITION:

(1) DEMOLITION SHALL BE CONTROLLED TO PREVENT THE SPREAD OF DUST TO OCCUPIED PORTIONS OR THE BUILDING.

(2) EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE, WORK DAMAGED BY CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING WORK.

(3) AT THE END OF EACH WORK DAY AND DURING INCLEMENT WEATHER, CLOSE ALL EXTERIOR OPENINGS WITH WEATHERPROOF COVER.

(4) REMOVE DEBRIS AND RUBBISH FROM THE SITE DAILY. DO NOT ALLOW DEBRIS AND RUBBISH TO ACCUMULATE IN BUILDING OR ON SITE.

PRODUCTS:

(1) ALL ROADWORK AND MATERIALS SHALL CONFORM TO ALL STATE AND LOCAL CODES AND IN ACCORDANCE WITH THE DEPARTMENT OF HIGHWAY AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS.

(2) SOIL STABILIZER FABRIC SHALL BE MIRAFI – 500X.

EXECUTION:

(1) INSPECTIONS: LOCAL BUILDING INSPECTORS SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS. UNLESS OTHERWISE SPECIFIED BY OWNER OR LOCAL JURISDICTION.

(2) PREPARATION:
(a) THE ACCESS ROAD, IF REQUIRED, WILL BE CONSTRUCTED FIRST BEFORE ANY OTHER WORK ON THE SITE IS PERMITTED. BRING THE ROAD TO SUB BASE COURSE TO ALLOW CONSTRUCTION TRAFFIC TO USE THE ROAD FOR THE PROJECT AND COMPLETE THE ROAD AFTER THE CONSTRUCTION OF THE SITE IS SUBSTANTIALLY COMPLETE.
(b) CLEAR TREES, BRUSH AND DEBRIS FROM SITE AREAS AND ACCESS ROAD RIGHT OF WAY AS DIRECTED BY CONSTRUCTION MANAGER.
(c) GRUB THE SITE AREA AND REMOVE A MINIMUM OF 6" TO ACHIEVE A STABLE SUB-BASE TO ACCEPT FILL OR OTHER MATERIAL SPECIFIED FOR THE SITE. THE GRUBBING SHALL BE REMOVED FROM THE SITE AND NOT REUSED IN ANY PART OF THIS PROJECT.
(d) UNLESS OTHERWISE INSTRUCTED BY CONSTRUCTION MANAGER TRANSPORT ALL REMOVED TREE, BRUSH AND DEBRIS FROM THE PROPERTY TO AN AUTHORIZED LANDFILL.
(e) PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL THE SOIL.
(f) WHERE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, LINE OF THE GRUBBED AREAS WITH STABILIZER MAT PRIOR TO PLACEMENT OF FILL OR BASE MATERIAL.

(3) INSTALLATION:
(a) THE SITE AND TURNAROUND AREAS SHALL BE AT THE SUB-BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS. GRADE OR FILL THE SITE AND ACCESS ROAD REQUIRED IN ORDER THAT UPON EVEN DISTRIBUTION OF SPOILS RESULTING FROM FOUNDATION EXCAVATIONS. THE RESULTING GRADE WILL CORRESPOND WITH SAID SUB-BASE COURSE, ELEVATIONS ARE TO BE CALCULATED FROM FINISHED GRADES OR SLOPES INDICATED. ALL SITES AND ACCESS ROADS ARE TO BE CONSTRUCTED TO HAVE A POSITIVE DRAINAGE FLOW AWAY FROM THE SITE AND EQUIPMENT. ANY DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS MUST BE BROUGHT TO THE ATTENTION OF VERIZON WIRELESS IMMEDIATELY.
(b) IF ANY, EXCESS SPOILS WILL BE CLEARED FROM JOB SITE AND NOT SPREAD BEYOND THE LIMITS OF THE LEASE PROPERTY UNLESS AUTHORIZED BY CONSTRUCTION MANAGER/AS AGREEMENT BY LANDOWNER.
(c) AVOID CREATING DEPRESSIONS WHERE WATER MAY POND.
(d) THE CONTRACT SHALL INCLUDE GRADING BANKING, DITCHING AND UNLESS OTHERWISE INDICATED, COVERING TWO INCHES OF SURFACE COURSE. ALL ROADS OR ROUTES UTILIZED FOR ACCESS TO THE SITE COMMENCING AT THE POINT OF INTERSECTION WITH THE NEAREST PUBLIC THOROUGHFARE.
(e) WHEN IMPROVING AN EXISTING ACCESS ROAD, GRADE THE EXISTING ROAD TO REMOVE ANY ORGANIC MATTER AND SMOOTH THE SURFACE BEFORE PLACING FILL OR STONE.
(f) THE FINISH GRADE, INCLUDING TOP SURFACE COURSE, SHALL EXTEND A MINIMUM OF ONE FOOT BEYOND THE SITE FENCE AND SHALL COVER THE AREA AS INDICATED, THE CONTRACTOR MAY BE REQUIRED TO ADJUST THE EXISTING GRADING TO ENSURE THERE ARE NO DRAINAGE ISSUES (STANDING WATER OR PONDING).
(g) RIPRAP SHALL BE APPLIED TO THE SIDE SLOPES OF ALL FENCED SITE AREAS, PARKING AREAS AND TO ALL OTHER SLOPES GREATER THAN 2:1.
(h) SEED FERTILIZER AND STRAW COVER SHALL BE APPLIED TO ALL OTHER DISTURBED AREAS AND DITCHES, DRAINAGE, SWALES, NOT OTHERWISE RIPRAPPED.
(i) UNDER NO CIRCUMSTANCES WILL DITCHES, SWALES, NOR CULVERTS BE PLACED SO THEY DIRECT WATER TOWARDS, OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO RAILROAD BALLAST. IF DESIGNS OR ELEVATIONS CONFLICT WITH THIS GUIDANCE VERIZON WIRELESS SHOULD BE ADVISED IMMEDIATELY.
(j) FOR ANY FLOOR OR WALL PENETRATIONS, THE CONTRACTOR WILL BE REQUIRED TO LOCATE ANY REINFORCING BARS PRESENT USING A RELIABLE NONDESTRUCTIVE TESTING METHOD APPROVED BY THE OWNER, THEN CORE DRILL AS NECESSARY TO ALLOW CONDUIT PENETRATION WITHOUT CUTTING EXISTING REINFORCING BARS. SEAL ALL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED OR F.M. APPROVED MATERIALS.

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DRAWN BY:	JAY C
CHECKED BY:	DAN T

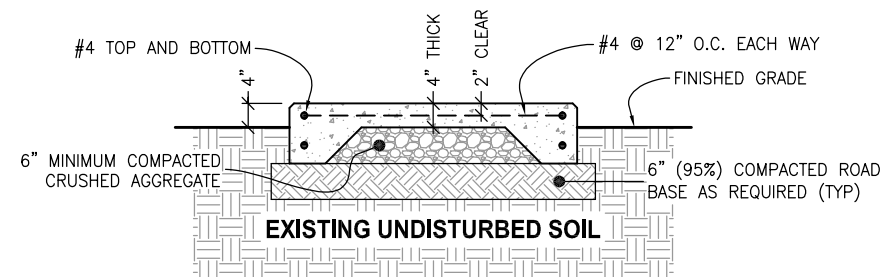
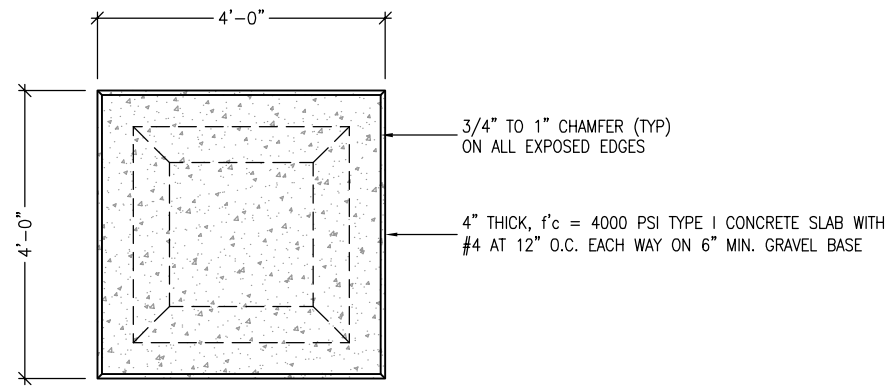
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REV	DATE	DESCRIPTION



**19669 - BOAT LAUNCH MW
SE SEC 7, T42S, R19E
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
-- RAWLAND SITE --**

SHEET TITLE
PROJECT NOTES

SHEET NUMBER
C301



NOT USED

EQUIPMENT CABINET CONCRETE SLAB

SCALE: NOT TO SCALE 1

NOT USED

SCALE: NOT TO SCALE 2

NOT USED

NOT USED

NOT USED

SCALE: NOT TO SCALE 3

NOT USED

SCALE: NOT TO SCALE 4

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DRAWN BY: JAY C

CHECKED BY: DAN T

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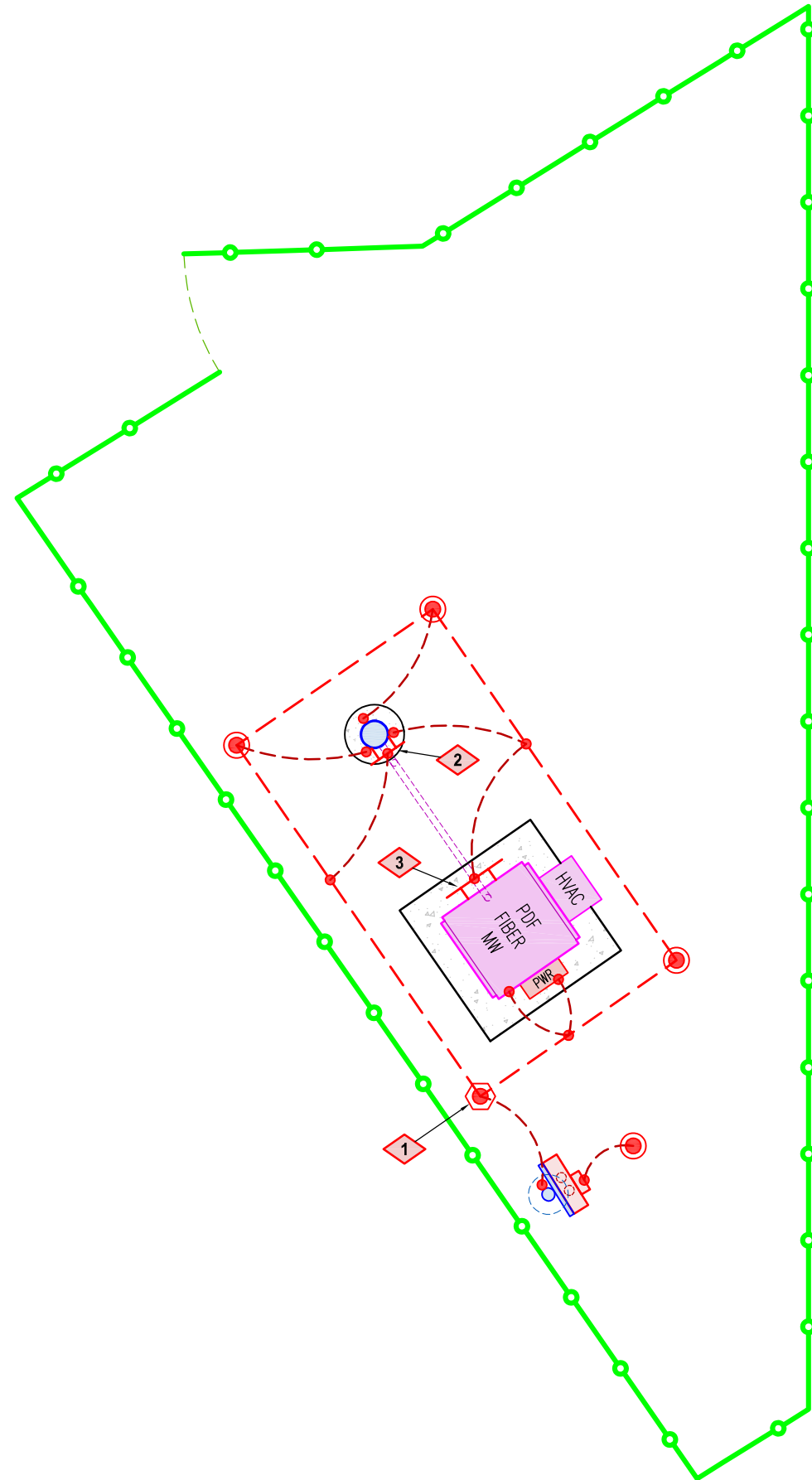
19669 - BOAT LAUNCH MW
SE SEC 7, T42S, R19E
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
- RAWLAND SITE -

SHEET TITLE
CABINET SLAB,

SHEET NUMBER
S100

KEYED NOTES

- EXTERNAL GROUND RING, #2 AWG SBTCW, 30" MINIMUM BELOW GRADE OR 6" BELOW FROST LINE.
- 5/8" X 8' COPPER GROUND ROD, SEE E201/3.
- CONNECTION TO GROUND RING.
- 1 GROUND TEST WELL, SEE E201/2.
- 2 GROUND BUS BAR ON TOWER, SEE E201/1.
- 3 GROUND BUS BAR MOUNTED ON SIDE OF EQUIPMENT CABINET, SUPPLIED BY MANUFACTURER, SEE E200/1.



GROUNDING NOTES: SEE E200 FOR MORE INFO

- (1) ALL GROUNDING IS TO BE IN ACCORDANCE WITH TIA/EIA 222, THE LATEST EDITION OF NFPA 780 FOR LIGHTNING PROTECTION.
- (2) ALL TOWER GROUNDS ARE TO BE EXTERNAL. NO CONDUITS WILL BE ALLOWED IN THE TOWER FOUNDATION.
- (3) A THIRD-PARTY CONTRACTOR SHALL PROVIDE THE TESTING OF THE GROUNDING SYSTEM BY CERTIFIED TESTING AGENT. THEY ARE TO PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. THE GROUNDING SYSTEM RESISTANCE TO THE GROUND SHALL NOT EXCEED 5 OHMS.
- (4) ALL ABOVE GRADE INTERIOR GROUNDING CONNECTORS SHALL BE DOUBLE-LUG COMPRESSION TYPE. ALL BELOW GRADE AND EXPOSED EXTERIOR GROUNDING CONNECTIONS TO PERMANENT EQUIPMENT AND FIXED BUILDING ELEMENTS SHALL BE CADWELDED TYPE. CARE SHALL BE TAKEN TO REVIEW CONNECTION LOCATIONS AND MATERIAL TYPES TO AVOID POSSIBLE GALVANIC CORROSION. ALL EXPOSED GROUNDING CONNECTIONS ARE TO BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS "NO-OXY" "NOAOLX" "PENETROX" OR "DEOX" (VERIFY PRODUCT WITH PROJECT MANAGER). ALL OUTDOOR HARDWARE (BOLTS, WASHERS AND NUTS) USED ON GROUNDING CONNECTIONS SHALL BE 18-8 STAINLESS STEEL. ALL INDOOR HARDWARE USED ON GROUNDING CONNECTIONS SHALL BE GRADE 5 STEEL.
- (5) ALL GROUND LUGS ARE TO BE A 'COMPRESSION' CONNECTION, NO MECHANICAL CONNECTIONS ARE ALLOWED.
- (6) RF CABLE IS TO BE GROUNDED WITH ANGLE ADAPTERS AT THE TOP OF THE TOWER, AT THE GROUND BAR AT THE TOWER BASE, AND AT THE EQUIPMENT PLATFORM.
- (7) CONTRACTOR IS TO INSTALL HOIST GRIPS BELOW GROUNDING KIT AT THE TOP OF THE TOWER.

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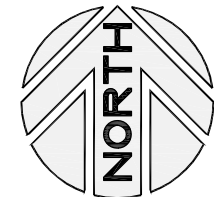
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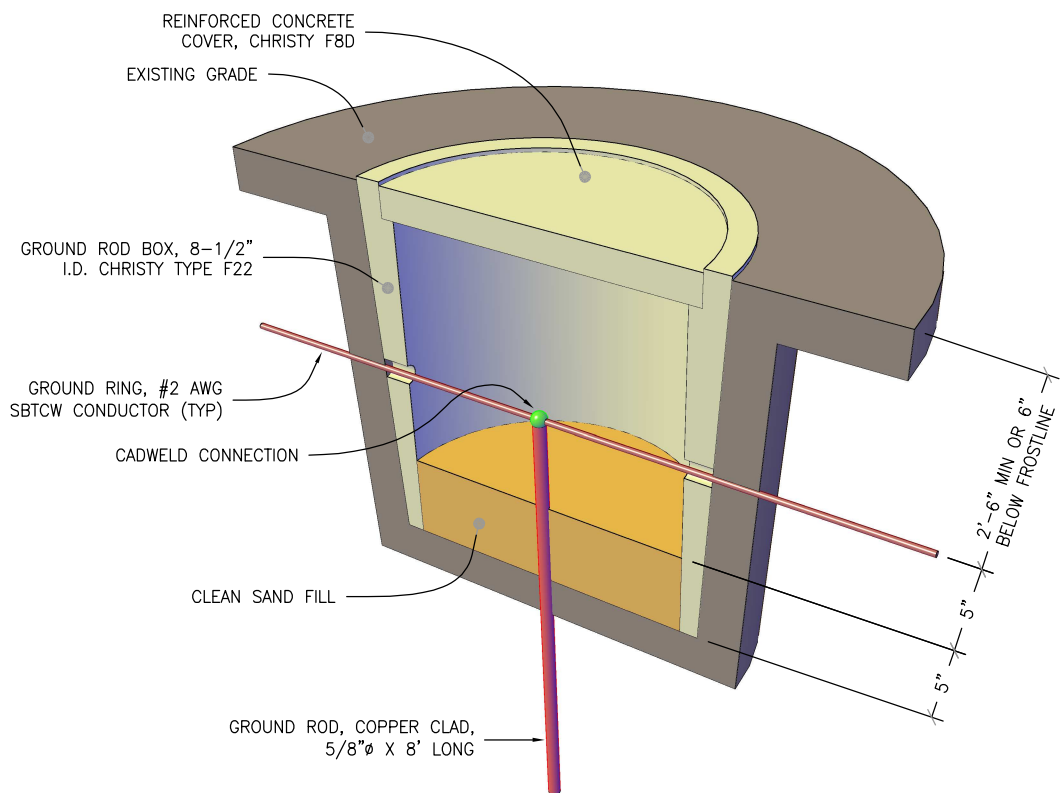
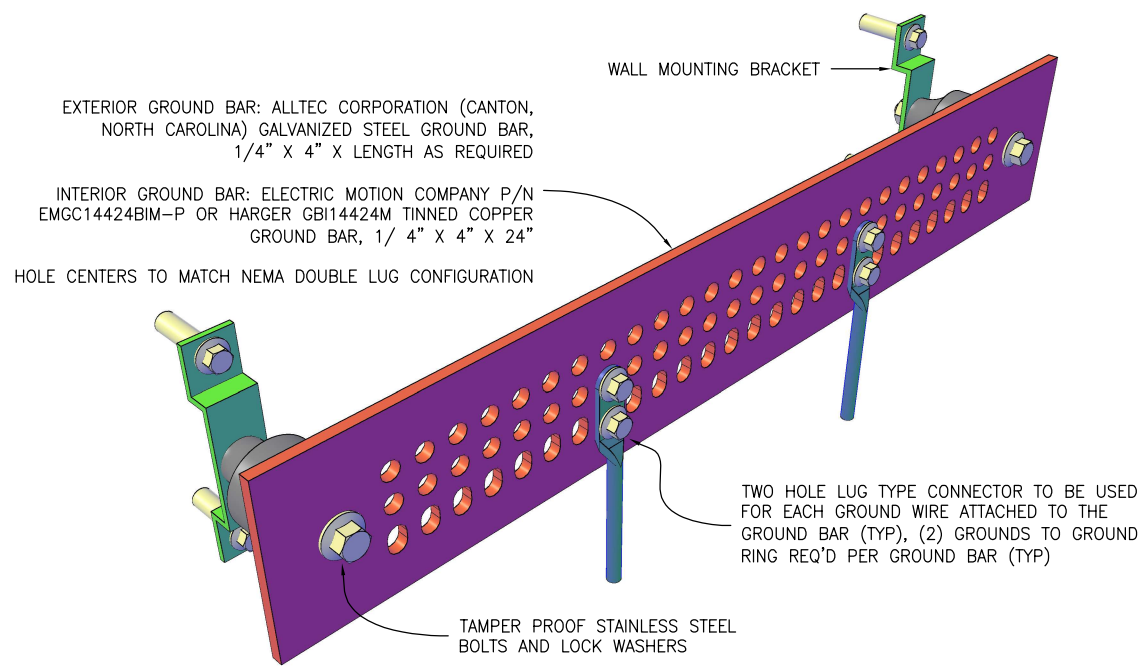
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100 HIGHWAY 163
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- RAWLAND SITE -

SHEET TITLE
GROUNDING SITE PLAN

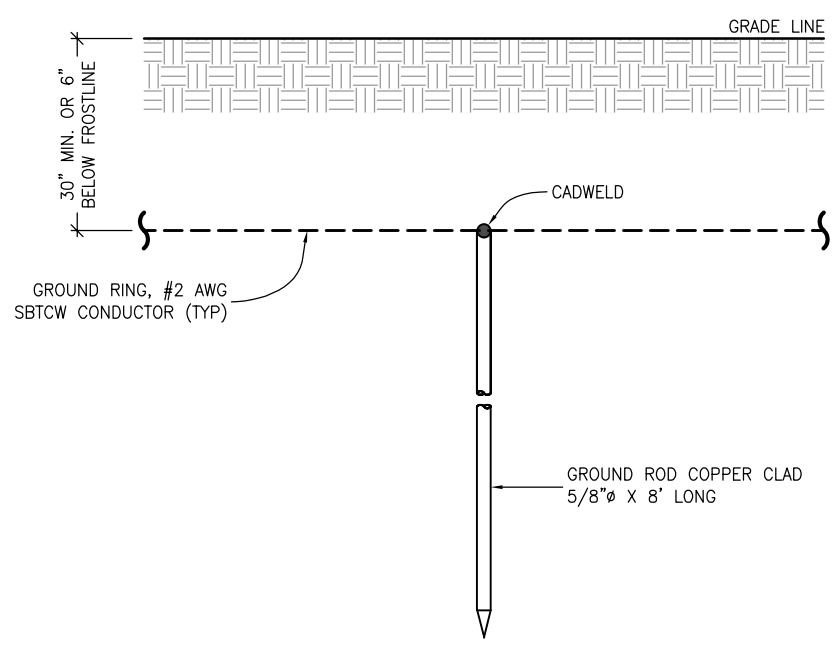
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E100



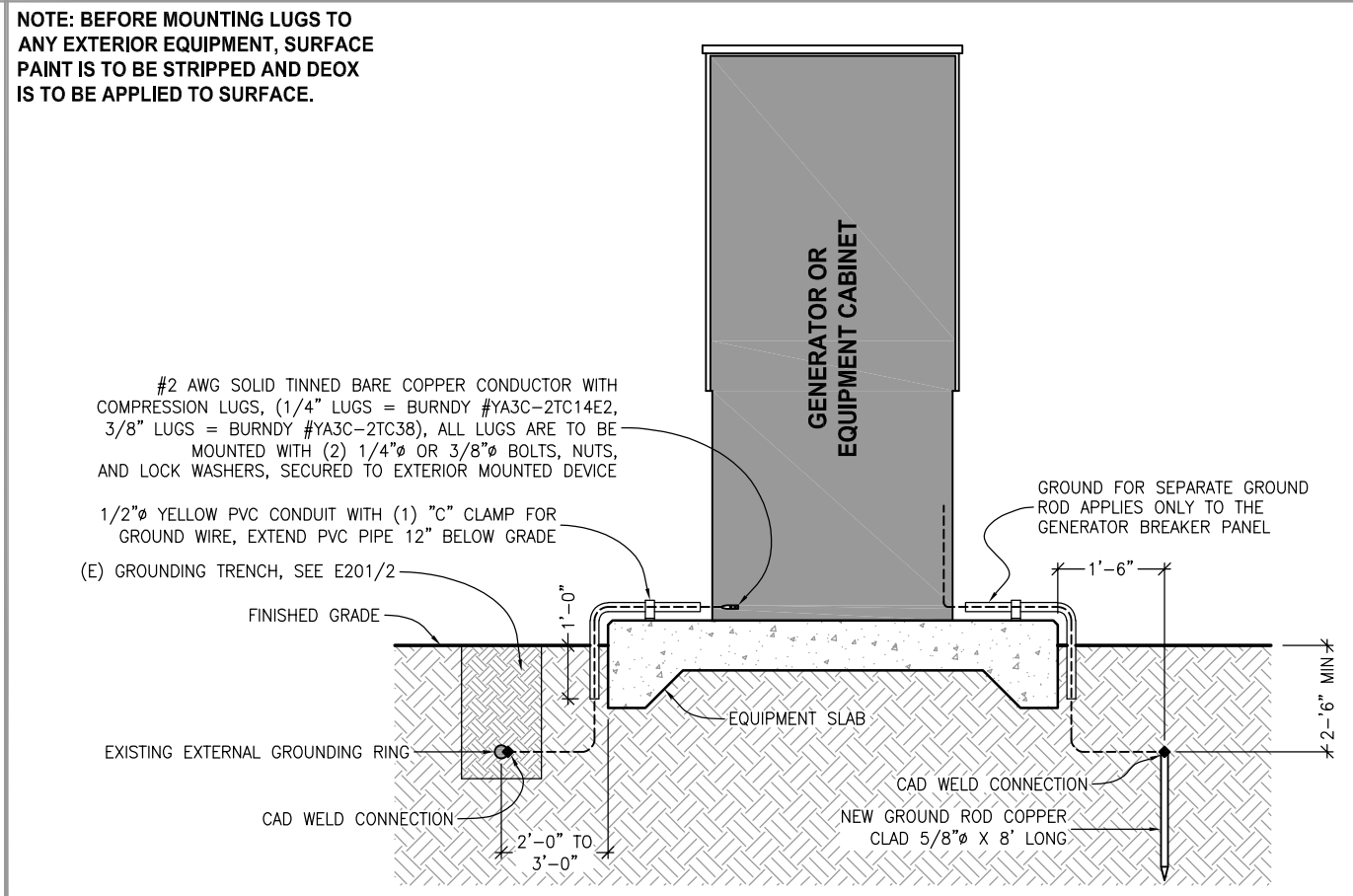


GROUND BAR SCALE: NOT TO SCALE 1

GROUND TEST WELL SCALE: NOT TO SCALE 2



GROUND ROD SCALE: NOT TO SCALE 3



EXTERIOR MOUNTED DEVICES SCALE: NOT TO SCALE 4

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REV	DATE	DESCRIPTION
0	07.03.2024	CONSTRUCTION DWGS

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SE SEC 7, T42S, R19E
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
- RAWLAND SITE -

SHEET TITLE
**GROUND BAR,
TEST WELL,
GROUND ROD**

SHEET NUMBER
E200

POWER NOTES:

(1) ALL SERVICE EQUIPMENT SHALL MEET EUSERC / POWER COMPANY REQUIREMENTS AND BE REVIEWED AND APPROVED BY POWER COMPANY PRIOR TO BEGINNING WORK.

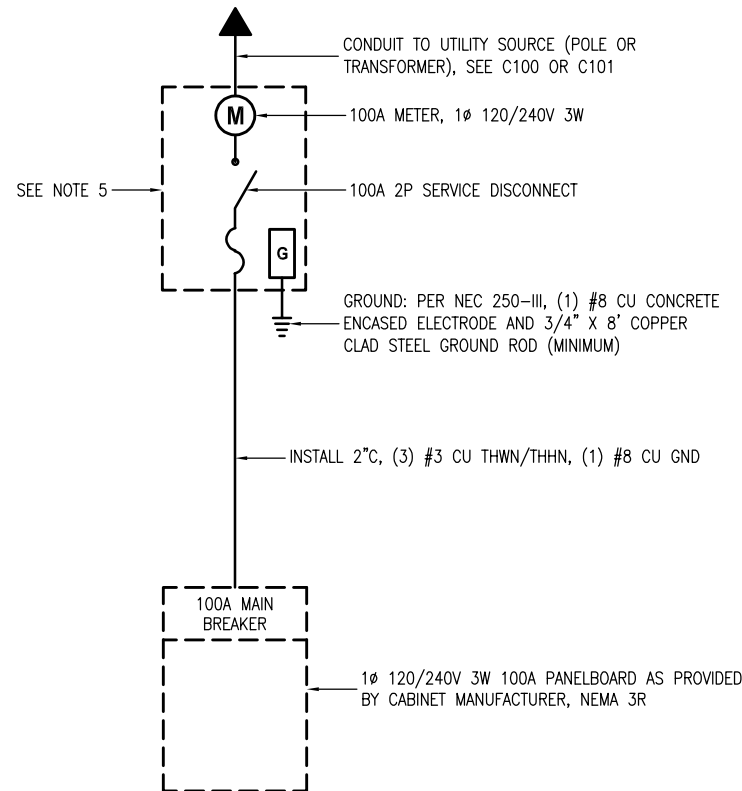
(2) ALL CONDUCTOR MUST BE COPPER UNLESS OTHERWISE SPECIFIED.

(3) CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY ENGINEERING PLANS AND SPECIFICATIONS ONLY.

(4) CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, PAY ALL UTILITY FEES AND INCLUDE REQUIREMENTS IN SCOPE.

(5) COOPER B-LINE COMMERCIAL ELECTRICAL SERVICE COMBINATION METER AND MAIN DISCONNECT, 100A 120/240V, 1-PHASE, 3-WIRE, RING-TYPE, NEMA 3R ENCLOSURE.

(6) THE DESIGN CRITERIA USED FOR THIS PROJECT WAS THE 2020 NEC.



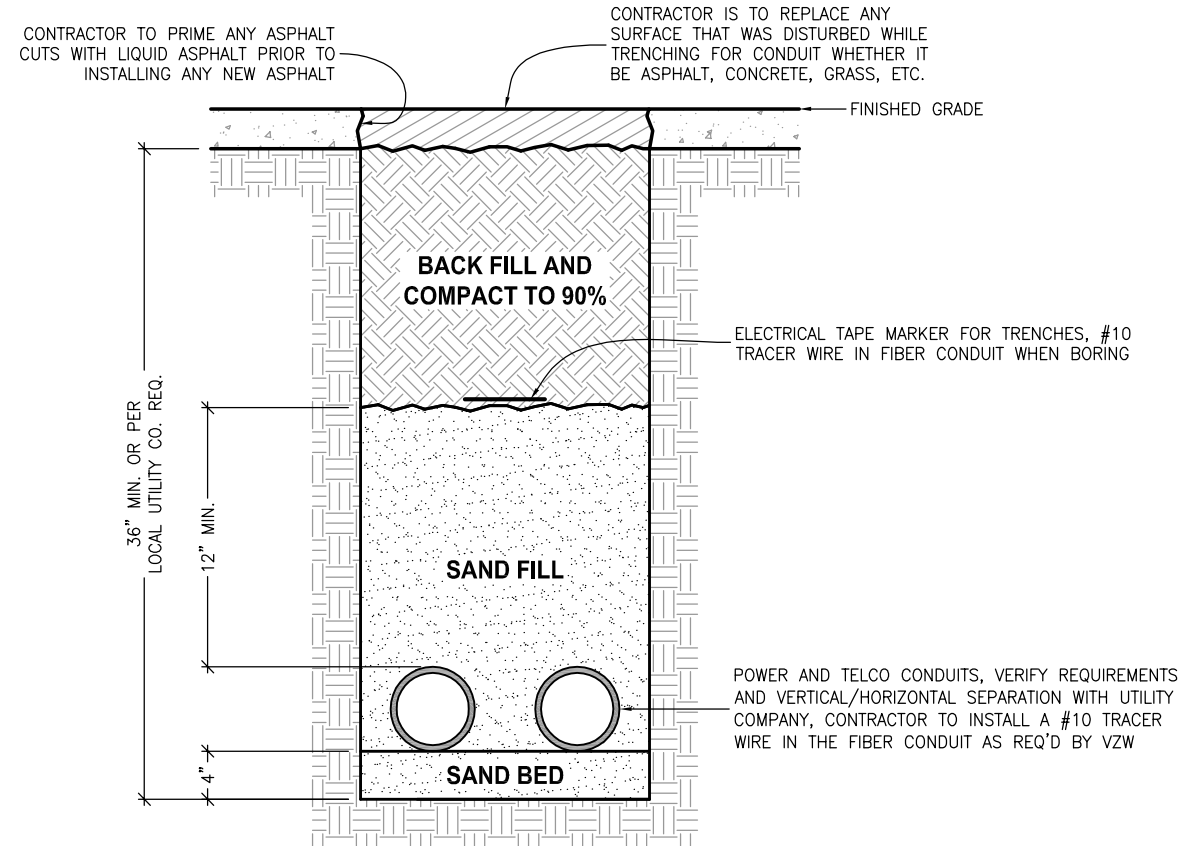
ELECTRICAL ONE-LINE DIAGRAM

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NOT USED

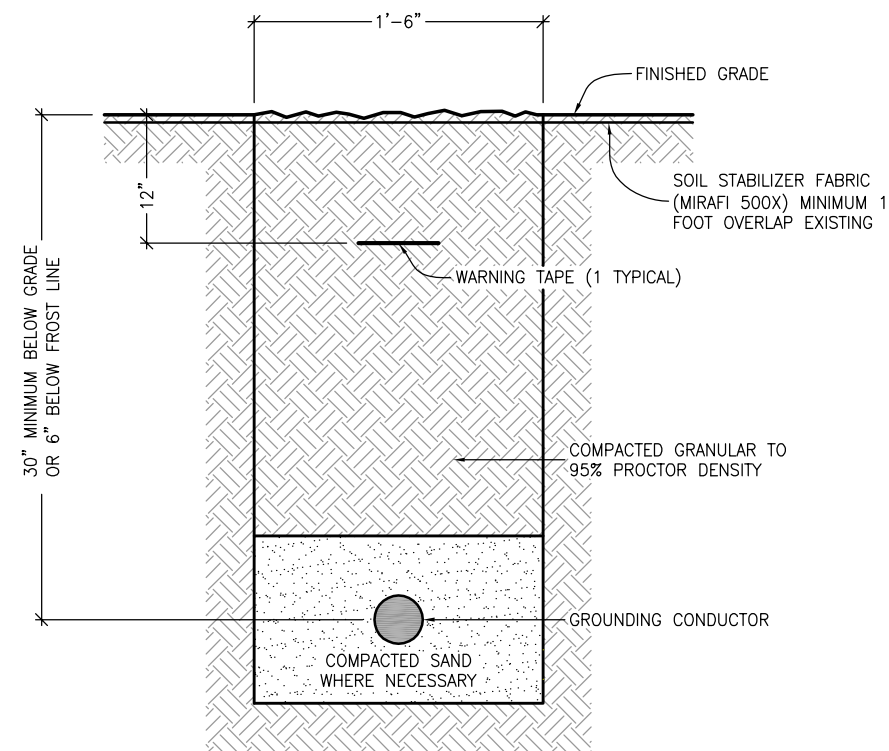
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SCALE: NOT TO SCALE 3



POWER / FIBER CONDUIT TRENCHING

SCALE: NOT TO SCALE 2



GROUNDING TRENCHING

SCALE: NOT TO SCALE 4

DW TOWER, LLC

1603 GOLF COURSE ROAD SE, SUITE 4 RIO RANCHO, NM 87124

Technology Associates

UTAH MARKET OFFICE
136 SOUTH MAIN STREET, SUITE 400 SALT LAKE CITY, UTAH 84101

CORPORATE OFFICE
3129 TIGER RUN COURT, SUITE #206 CARLSBAD, CALIFORNIA 92010

DRAWN BY: JAY C
CHECKED BY: DAN T

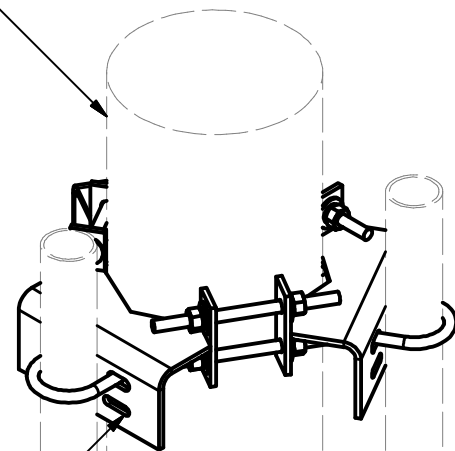
REV	DATE	DESCRIPTION
0	07.03.2024	CONSTRUCTION DWGS

19669 - BOAT LAUNCH MW
SE SEC 7, T42S, R19E
100 HIGHWAY 163
MEXICAN HAT, UTAH 84531
- RAWLAND SITE -

SHEET TITLE
**ONE-LINE DIAGRAM,
TRENCHING,**

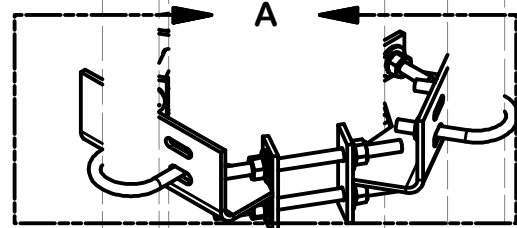
SHEET NUMBER
E201

CONNECTS TO EXISTING TOWER LEG:
6" TO 10"

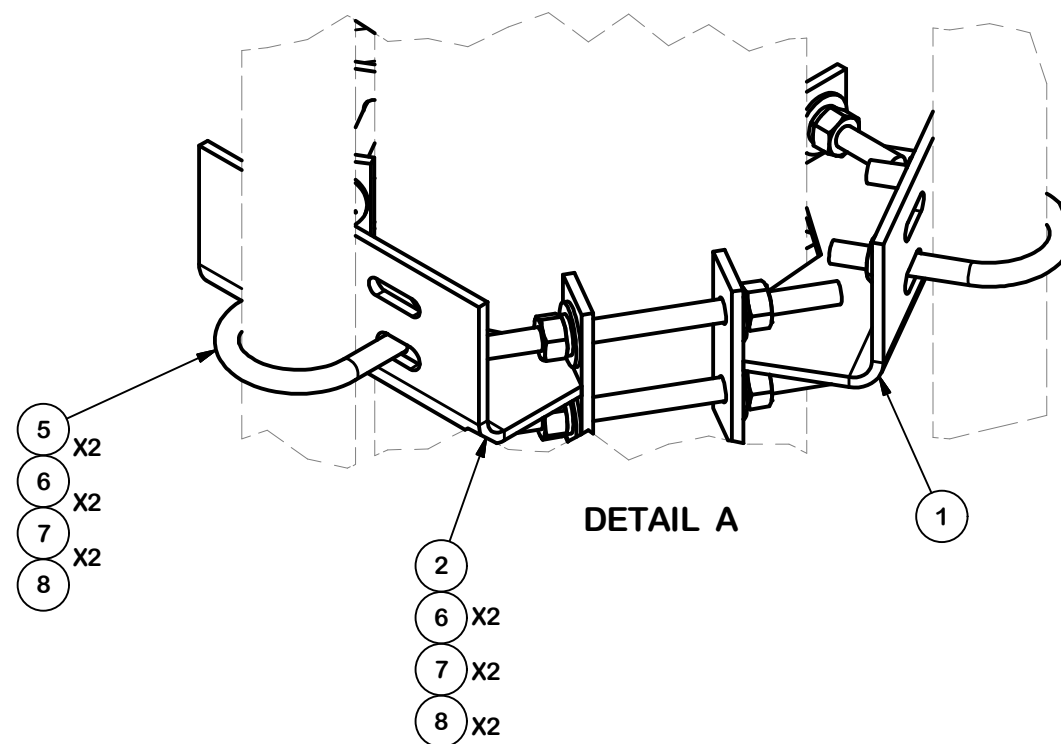


ATTACHMENT HARDWARE SOLD SEPARATELY
7/16" SLOTS CONNECT TO: 1.9"Ø, 2.375"Ø, 2.875"Ø, & 3.5"Ø MOUNT PIPES

MOUNT PIPES SOLD SEPARATELY
9/16" SLOTS CONNECT TO: 2.375"Ø, 2.875"Ø, & 3.5"Ø MOUNT PIPES



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	6	X-UTSML	UNIVERSAL TRI-SECTOR MOUNT WEDLEMNT FOR LARGER LEGS		4.65	27.88
2	12	G12R-8	1/2" x 8" THREADED ROD (HDG.)		0.45	5.35
3	6	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)		0.77	4.63
4	6	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	4.01
5	6	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	3.58
6	36	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	1.23
7	36	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.50
8	36	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	2.58
TOTAL WT. #						49.87



- 5 X2
- 6 X2
- 7 X2
- 8 X2

- 2
- 6 X2
- 7 X2
- 8 X2

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
 DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
 BENDS ARE ± 1/2 DEGREE
 ALL OTHER MACHINING (± 0.030")
 ALL OTHER ASSEMBLY (± 0.060")

PROPRIETARY NOTE:
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION
**UNIVERSAL TRI-SECTOR MOUNT KIT
 FOR LARGER LEGS**

CPD NO.	DRAWN BY CEK	ENG. APPROVAL 2/25/2020
CLASS 81	SUB 02	DRAWING USAGE CUSTOMER
	CHECKED BY BMC	2/25/2020

SITE PRO 1
 A valmont COMPANY

Engineering Support Team:
 1-888-753-7446

Locations:
 New York, NY
 Atlanta, GA
 Los Angeles, CA
 Plymouth, IN
 Salem, OR
 Dallas, TX
 Tampa, FL

PART NO. UTSM-L	PAGE 1 OF 2
DWG. NO. UTSM-L	