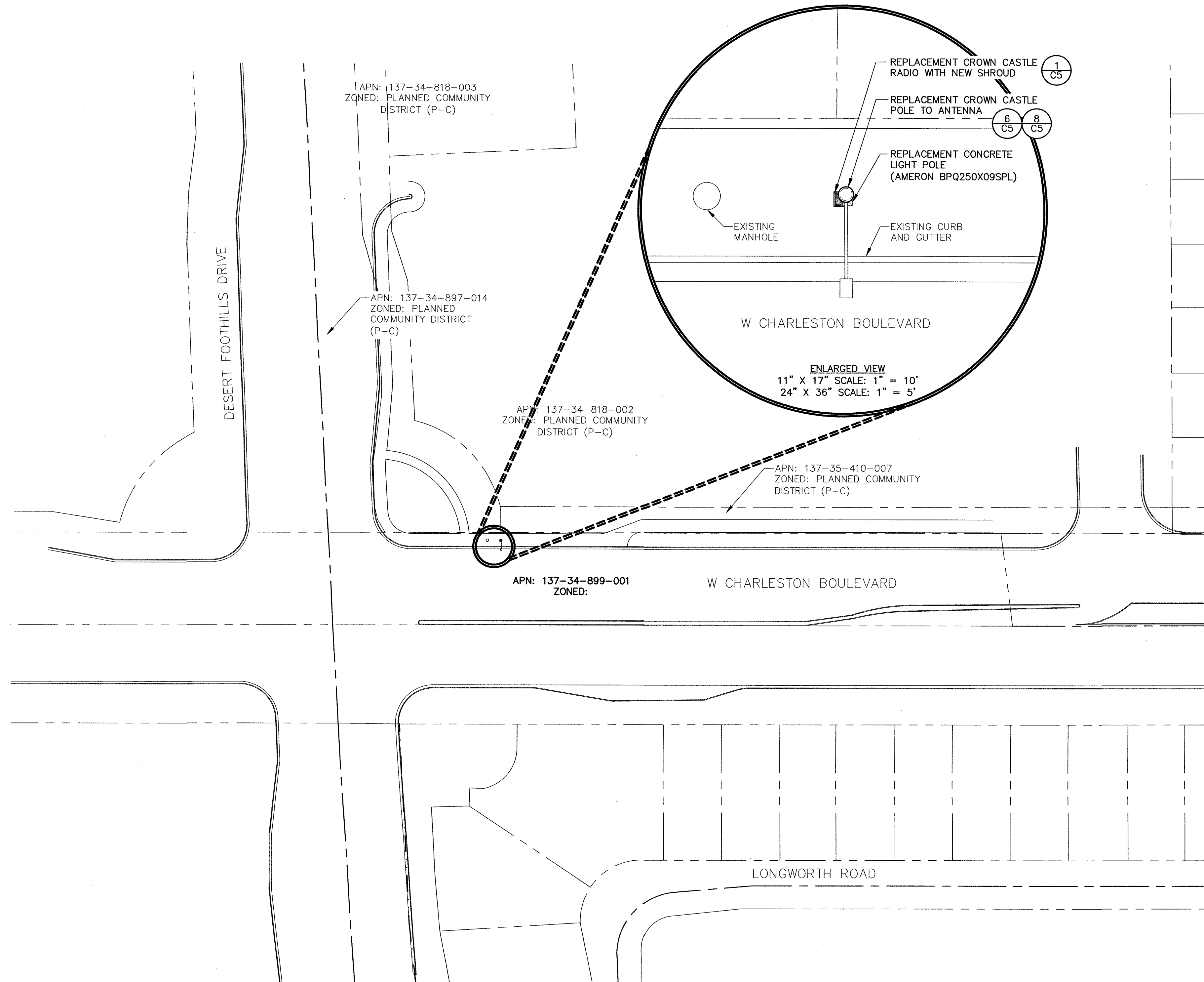




- ## PROJECT GENERAL NOTES

- ## CONSTRUCTION NOTES

C2	2
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LEGEND

- CENTERLINE
- EASEMENT
- RIGHT-OF-WAY
- CURB AND CUTTER
- EDGE OF SIDEWALK
- UNDERGROUND FIBER ROUTE
- FIRE HYDRANT
- STREET LIGHT



CROWN CASTLE NG WEST LLC
2055 SOUTH STEARMAN DRIVE
CHANDLER, ARIZONA 85286

PROJECT INFORMATION:

CROWN CASTLE ID #
LV031

DESERT FOOTHILLS DRIVE
LAS VEGAS, NEVADA 89138

CURRENT ISSUE DATE:

04/09/19

ISSUED FOR:

PROPOSED WORK

REV.: DATE: DESCRIPTION: BY:

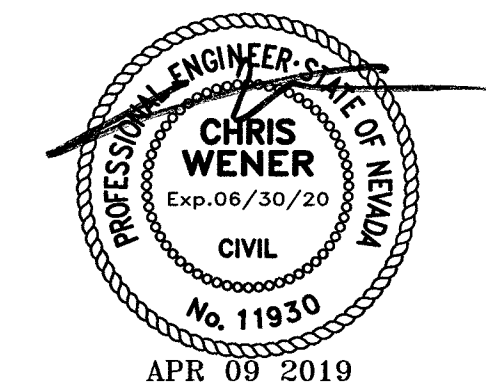
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2	02/06/19	POLE REVISION	R.C.
1	10/16/18	100% PERMITTING	R.S.
0	09/28/18	90% PERMITTING	D.C.

PLANS PREPARED BY:



SPECTRUM SERVICES, INC.
4850 WEST OQUENDO ROAD
LAS VEGAS, NEVADA 89118
PHONE: (702) 367-7705
FAX: (702) 367-8733

LICENSURE:



SHEET TITLE:

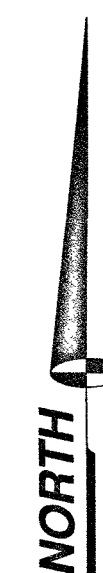
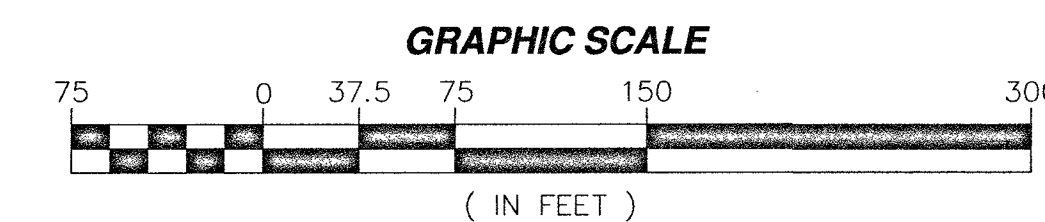
SITE PLAN

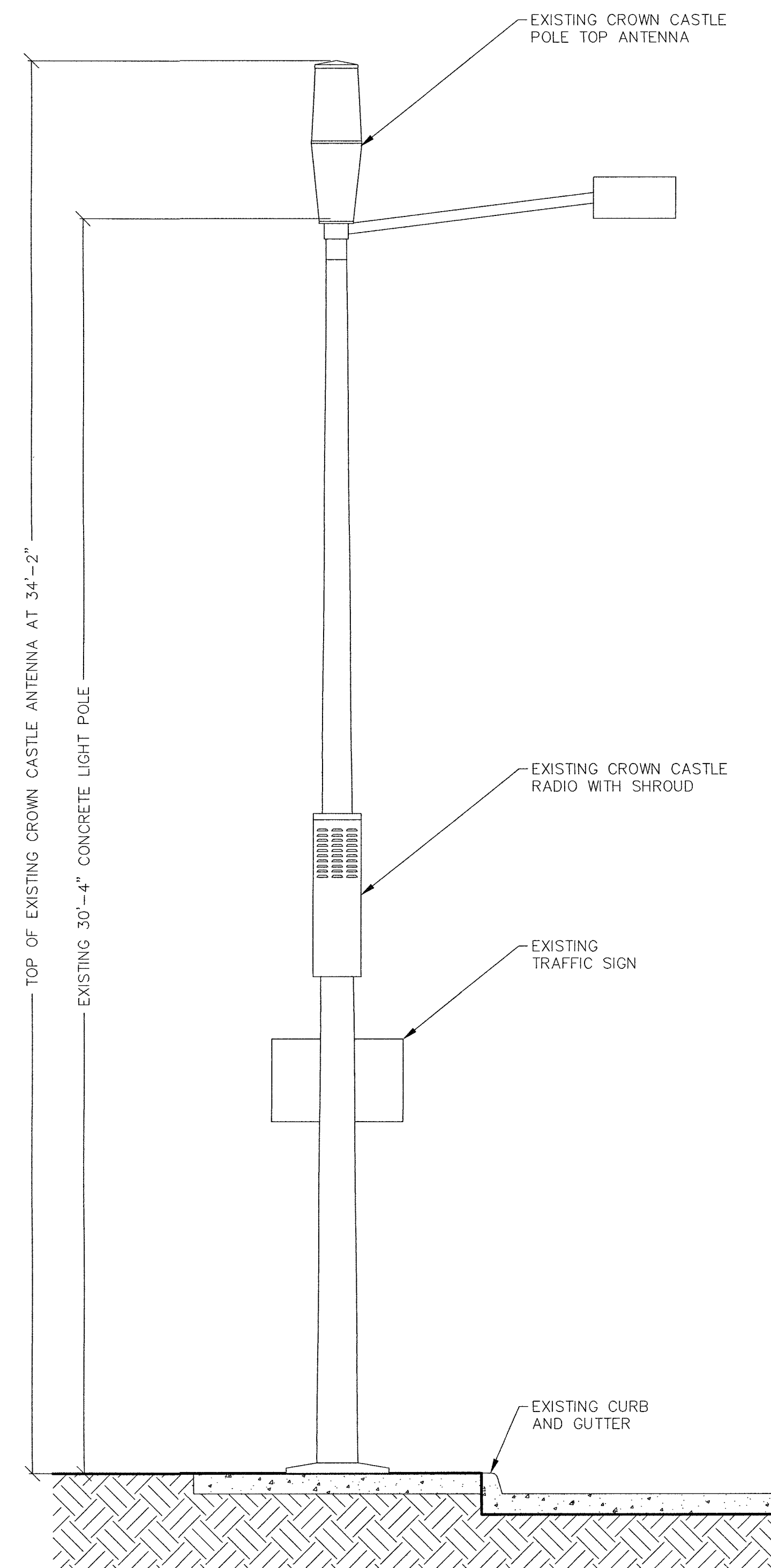
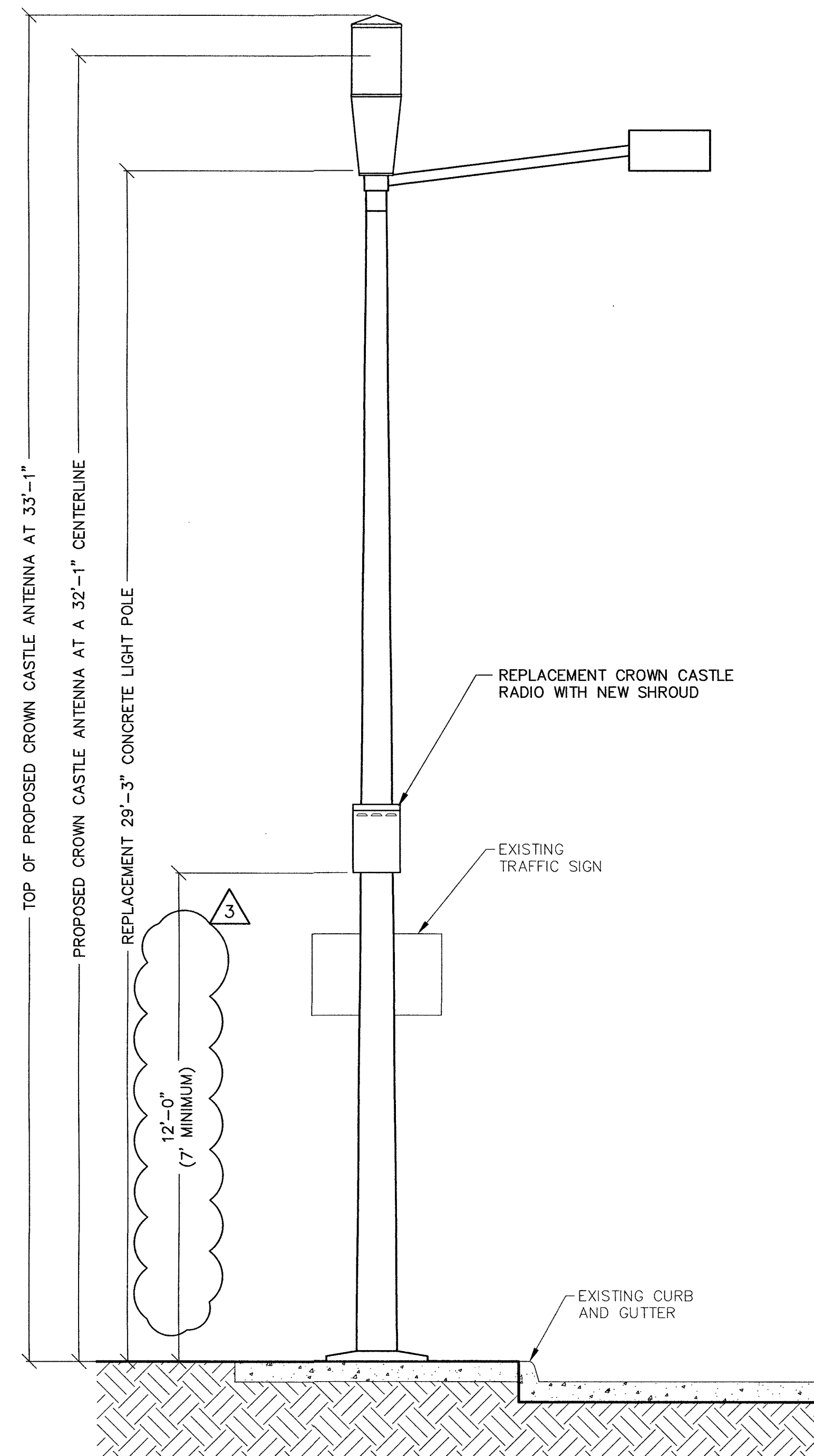
SHEET NUMBER: REVISION:

C3 2

SITE PLAN

11" X 17" SCALE 24" X 36" SCALE
1" = 150' 1" = 75' 1





PROPOSED WEST ELEVATION

11" X 17" SCALE 24" X 36" SCALE
1" = 5' 1" = 2'-6"

2

EXISTING WEST ELEVATION

11" X 17" SCALE 24" X 36" SCALE
1" = 5' 1" = 2'-6"

1



CROWN CASTLE NG WEST LLC
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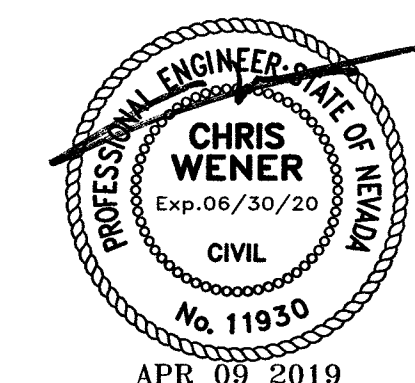
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3	04/09/19	LAND DEV. COMMENTS	R.S.
2	02/06/19	POLE REVISION	R.C.
1	10/16/18	100% PERMITTING	R.S.
0	09/28/18	90% PERMITTING	D.C.

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LICENSURE:



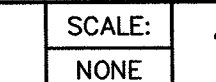
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EXISTING AND PROPOSED
WEST ELEVATION

SHEET NUMBER: REVISION:

C4

3



PROJECT INFORMATION:

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DESERT FOOTHILLS DRIVE
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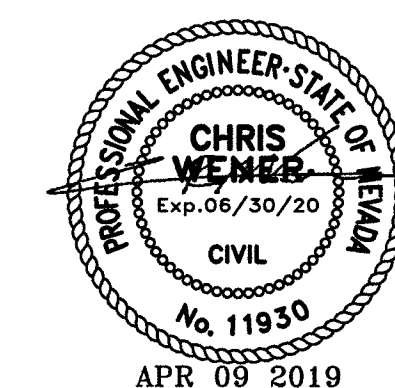
REV.	DATE	DESCRIPTION	BY
3	04/09/19	LAND DEV. COMMENTS	R.S.
2	02/06/19	POLE REVISION	R.C.
1	10/16/18	100% PERMITTING	R.S.
0	09/28/18	90% PERMITTING	D.C.

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SPECTRUM

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LICENSURE:



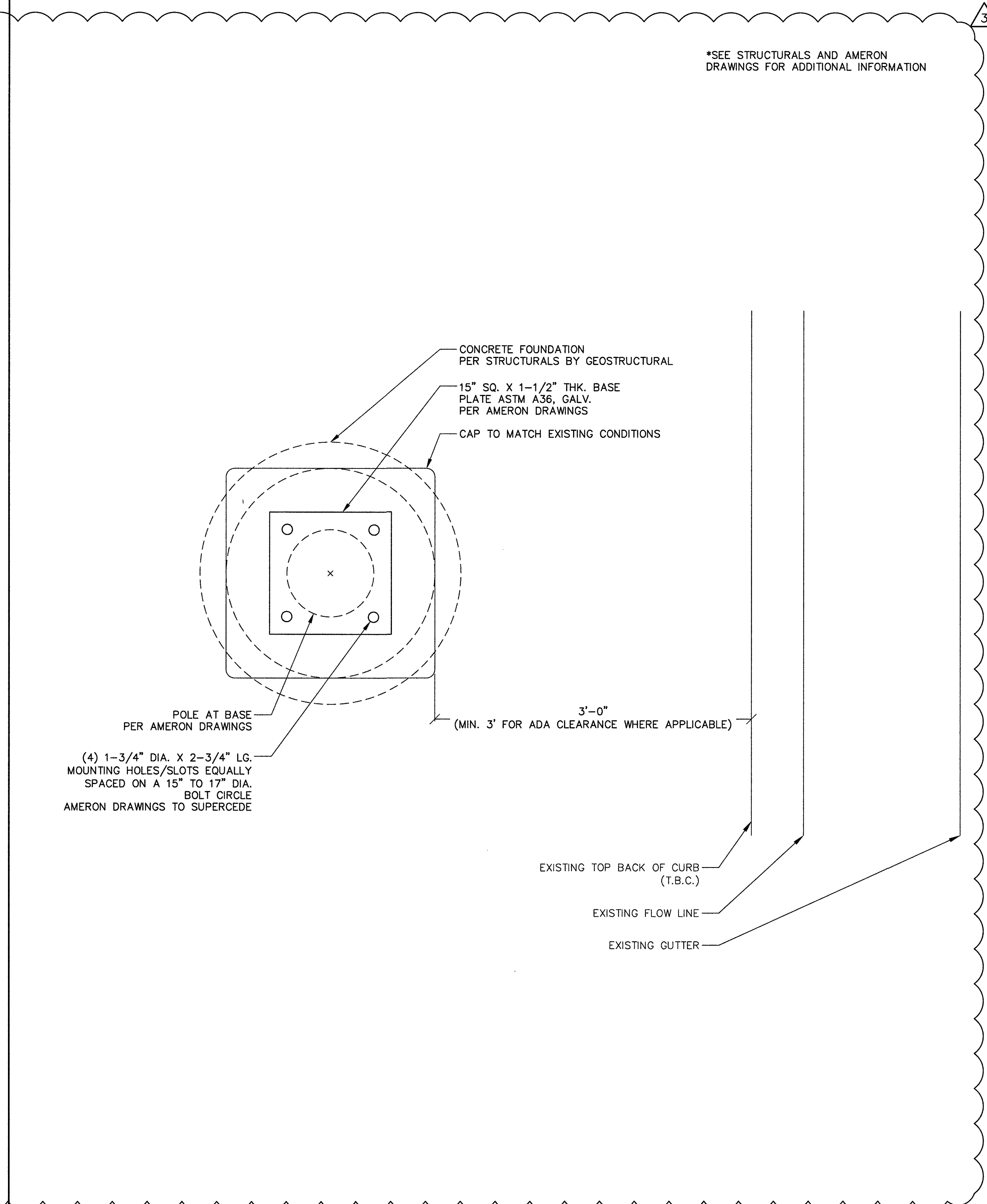
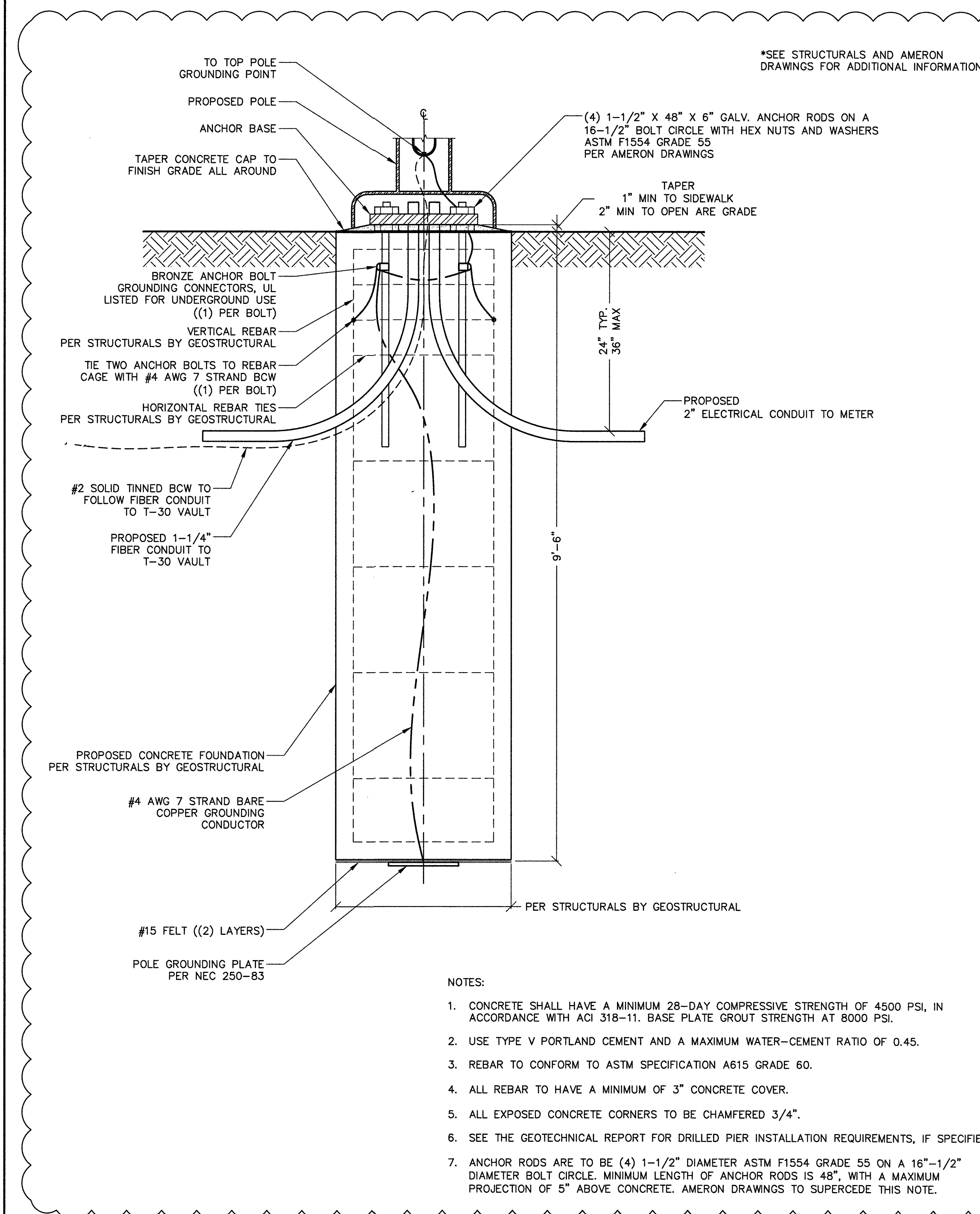
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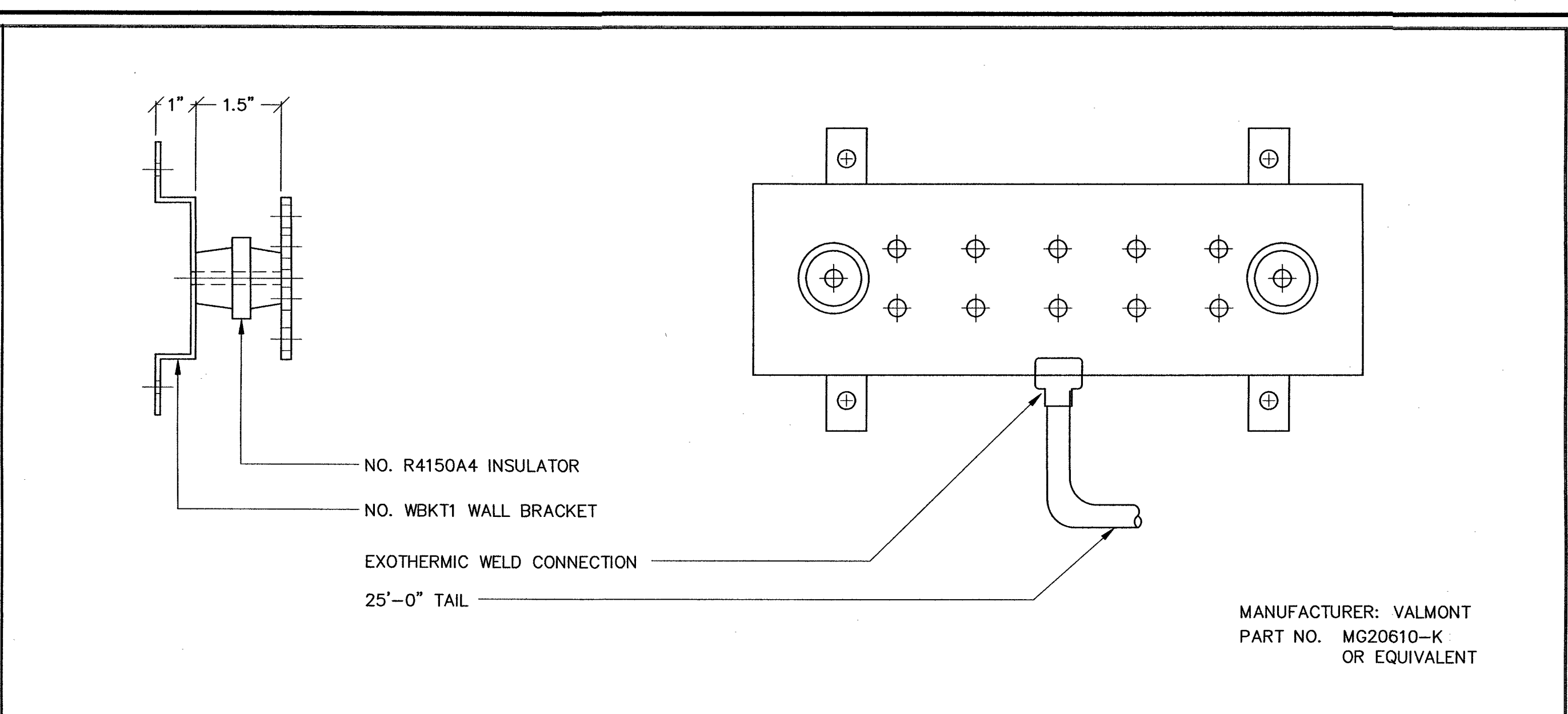
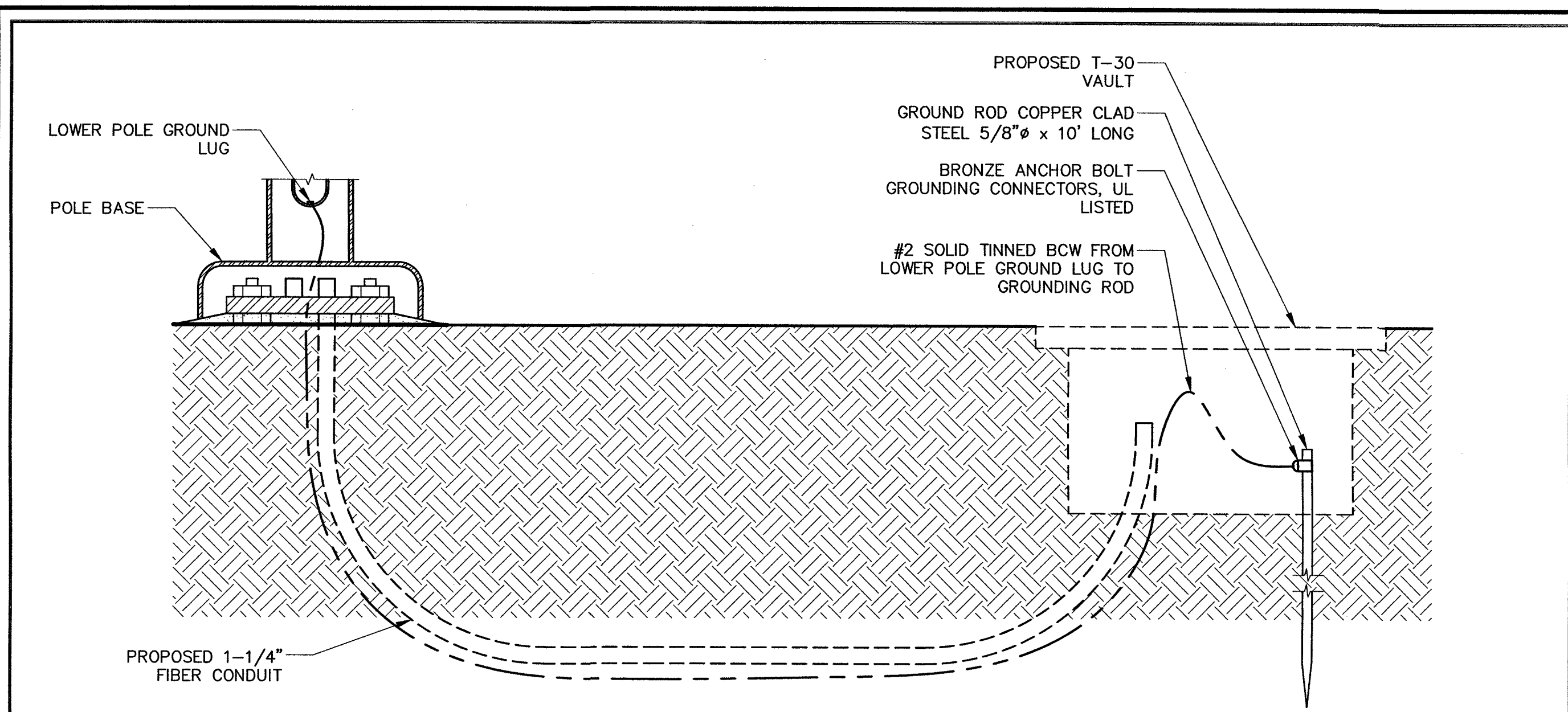
CONCRETE FOUNDATION
DETAILS

SHEET NUMBER: REVISION:

C6

3



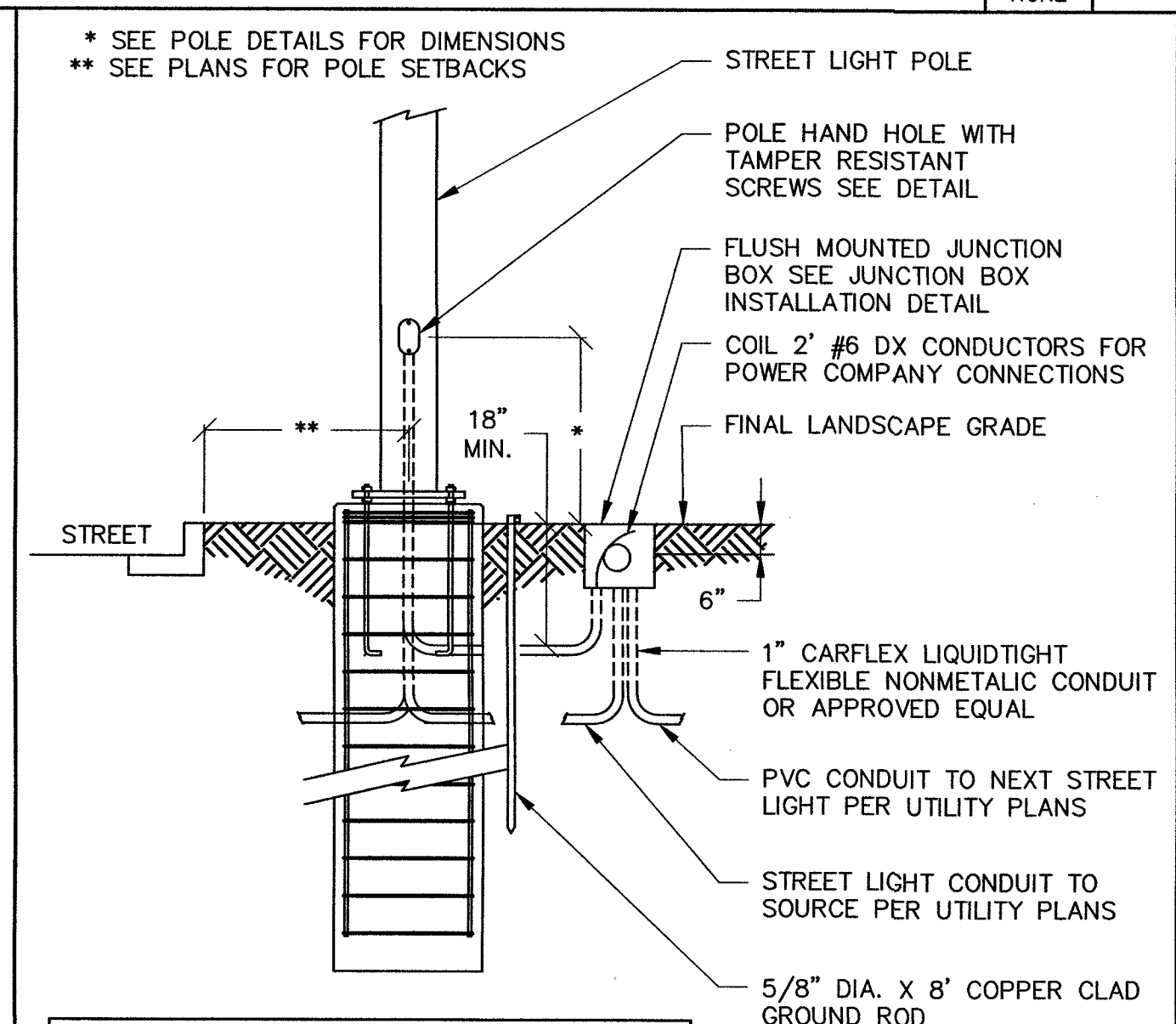


GROUND ROD SCALE: NONE **4**

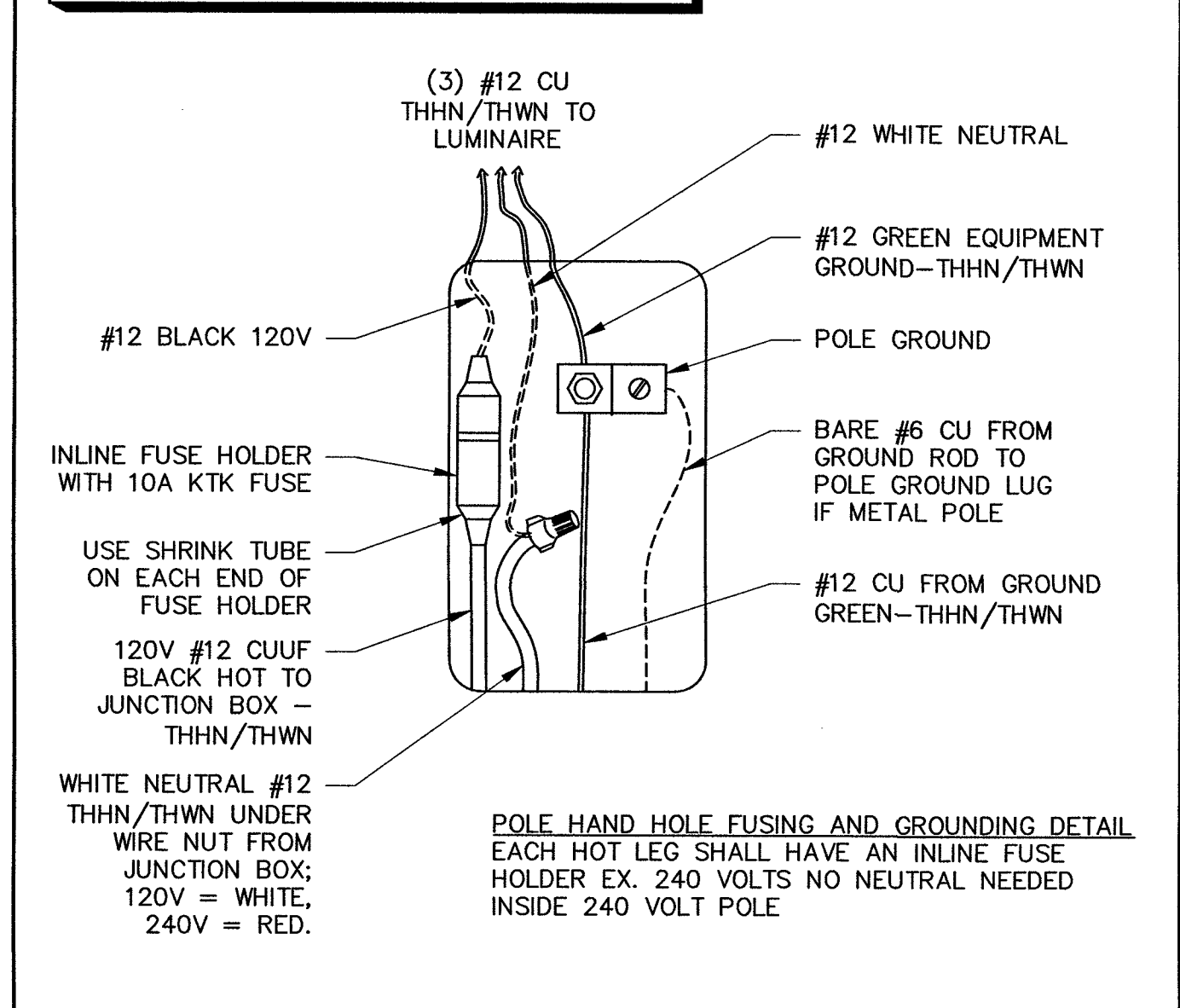
GROUND BAR SCALE: NONE **2**

- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS AND CARRIER GROUNDING STANDARD, LATEST REVISION.
- ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND RING TO GROUND BAR CONNECTIONS SHALL BE CADWELED QTY. (2) #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND BAR TO EQUIPMENT AND CABLES SHALL BE #2 AWG BTCW W/ DOUBLE LUG CONNECTIONS.
- GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
- GROUND BAR LOCATED BELOW WAVEGUIDE ENTRY PORT. CABLES SHALL BE #2 AWG BTCW/DOUBLE LUG CONNECTIONS. TWO PATHS TO GROUND RING.
- ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- EXTERIOR GROUNDING CONDUCTORS: BURIED TO A MINIMUM DEPTH OF 1'-6" BELOW FINISHED GRADE TO ALLOW FOR FUTURE CONSTRUCTION.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
- EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
- GROUND BARS:
EQUIPMENT GROUND BUSS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.

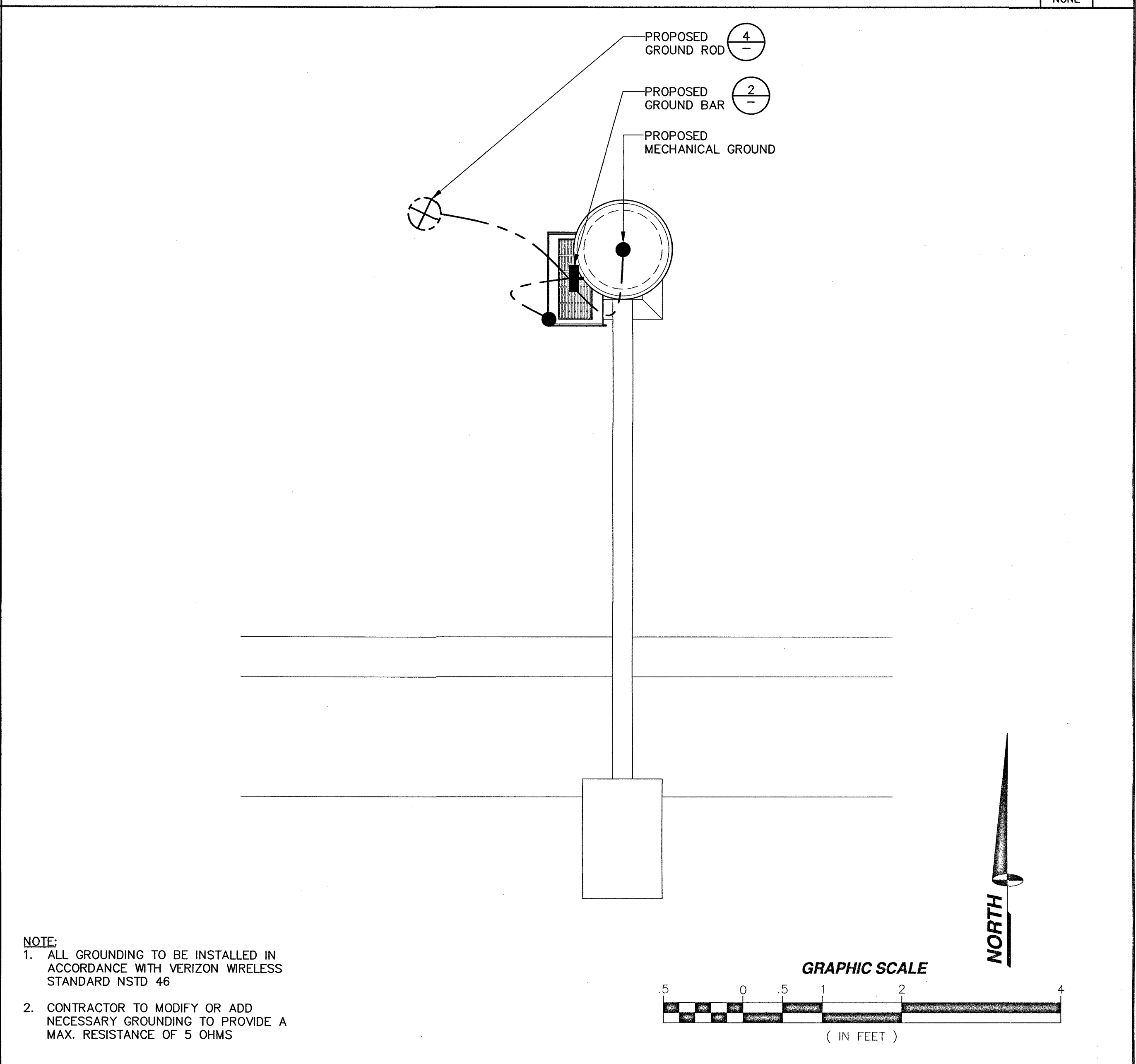
MAIN GROUND BUSS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- ALL BOLTED TORQUE CONNECTORS SHALL BE LONG-BARRELLED TYPES AND HAVE TWO HOLES FOR CONNECTION TO SURFACE AND NON-OXIDIZING AGENT APPLIED TO INHIBIT CORROSION.



NOTES:
THIS DETAIL IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL REFER TO POLE DRAWINGS AND CALCULATIONS FOR EXACT DETAIL.



GROUNDING NOTES SCALE: NONE **5** **STREET LIGHT WIRING AND GROUNDING** SCALE: NONE **3**



GROUNDING LAYOUT 11" X 17" SCALE 24" X 36" SCALE **1**

CROWN CASTLE NG WEST LLC
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0	09/28/18	90% PERMITTING	D.C.

PLANS PREPARED BY:

DGS
CONSULTING ENGINEERING SERVICES LLC

LICENSURE:

APR 09 2019

SHEET TITLE:

GROUNDING LAYOUT, NOTES & DETAILS

SHEET NUMBER: REVISION:

E1 **2**