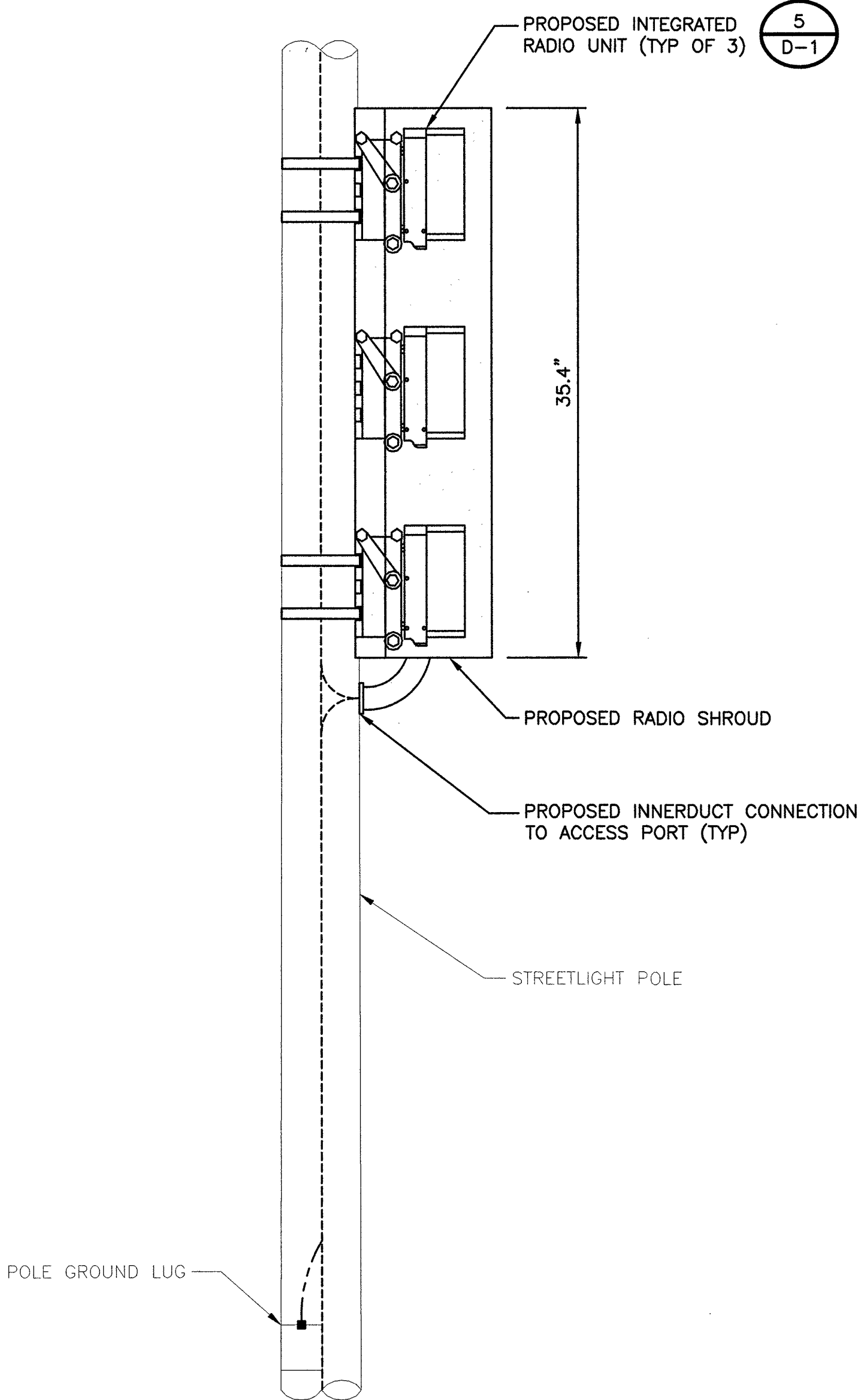


GENERAL CONSTRUCTION NOTES

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.).
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSFORMATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT; MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA & NBFU.
8. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
9. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS.
10. COMPLETE JOB SHALL BE GUARANTEED FOR A PRIOR OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
11. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
12. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
13. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
14. USE T-TAP CONNECTIONS ON ALL MULTI -CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
15. ALL CONDUCTORS SHALL BE COPPER.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES AND DRAWINGS.
18. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
19. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
20. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
21. WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM, NO BX OR ROMEX CABLE IS PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
22. GROUNDING CONDUCTORS SHALL BE SOLD TINED COPPER AND ANNEALED #2.
23. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.
24. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY SQUARE D COMPANY OR APPROVED EQUAL. ALL MATERIALS SHALL BE U.L. LISTED.
25. CONDUIT:
- a. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR RIGIDCONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
- b. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
- c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE, SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
- d. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
26. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
27. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
28. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.
29. THE ELECTRICAL INSTALLATION WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL WORK.
30. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH INTENT OF THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.

31. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FORM DEFECTS AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
32. ALL WORK TO BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
33. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES.
34. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, UNLESS NOTED OTHERWISE AND CO-ORDIANTED WITH THE GENERAL CONTRACTOR.
35. ELECTRICAL CONTRACTOR SHALL CO-ORINATE ALL WORK WITH CIVIL AND ARCHITECTURAL PLANS. THE REQUIREMENTS OF ALL EQUIPMENT ACTUALLY BEING INSTALLED SHALL BE VERIFIED PRIOR TO INSTALLING THE ELECTRICAL WORK.
36. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER TYPE THWN-2, THW-2, RHW-2, XHHW-2 #14, #12, & #10 SOLID, #8 AND LARGER STRANDED, UNLESS NOTED OTHERWISE.
37. ON COMPLETION OF THE WORK, THE INSTALLATION SHALL BE FREE FORM GROUNDS AND SHORT CIRCUITS.
38. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT AND CUSTOMER UPON COMPLETION OF THE JOB.
39. ELECTRICAL WORK SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED, INCLUDING BUT NOT LIMITED, TO COMPLETE ELECTRICAL SYSTEMS POWER AND LIGHTING, TELEPHONE CONDUIT SYSTEM, SIGNAL SYSTEMS, PANEL BOARDS(S), CONTROL WIRING, GROUNDING, CONDUIT ONLY SYSTEMS, ETC., AS INDICATED ON ELECTRICAL DRAWINGS AND/OR REQUIRED BY GOVERNING CODES.
40. RACEWAYS SHALL BE: RIGID STEEL CONDUIT: HOT-DIP GALVANIZED HEAVY WALL AS MANUFACTURED BY REPUBLIC, TRIANGLE OR EQUAL, RIGID POLYVINYL CHLORIDE CONDUIT (PVC): HEAVY WALLS SCHEDULE 40 AS MANUFACTURED BY CARLON ELECTRICAL, VISQUEEN OR EQUAL, ELECTRICAL METALLIC TUBING (EMT):ZINC-COATED THIN WALL AS MANUFACTURED BY TRIANGLE, REPUBLIC OR EQUAL
41. FUSE TYPE SHALL BE BUSSMANN RK-1 OR CLASS "J" FUSE.
42. PROVIDE ENGRAVED PLASTIC LABELS TO IDENTIFY ALL PANEL BOARDS, XFMRs., DISTRIBUTION PANELS, DISCONNECT SWITCHES, AND TRANSFER SWITCHES, LABELS SHALL READ IN THIS FASHION "A" 208Y/120V 3PH, 4W, 225A, CKT. BKR OR FUSES TYPE AND SIZES.
43. E.C. SHALL VERIFY AND TEST GROUND TO SOURCE TO A MAXIMUM OF 5 OHMS. IF THE GROUND TEST DOES NOT ACHIEVE THE 5 OHMS LESS, E.C. SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CONDUCTORS AND GROUND RODS TO ACHIEVE 5 OHMS MAXIMUM.
44. BEFORE SUBMITTING BID, VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS AND THE EXACT SERVING UTILITY POINTS OF CONNECTION.
45. THE ELECTRICAL CONTRACTOR (E.C) SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
46. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELECTRICAL MATERIALS, EQUIPMENT AND WORK, SHOWN ON THESE PLANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
47. E.C. SHALL FURNISH AND INSTALL ALL SWITCHES, CONDUITS, WIRES, BOXES, LIGHT FIXTURES (INCLUDING LAMPS), SERVICE DEVICES, RECEPTACLES, SWITCHBOARDS AND PANEL BOARDS, ETC. REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL SYSTEM.
48. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL/LOCATION INFORMATION RELATING TO THE ELECTRICAL DRAWINGS.
49. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGES AND HORSEPOWER RATINGS OF ALL MECHANICAL EQUIPMENT.
50. PRIOR TO INSTALLING ANY ELECTRICAL WORK. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND REQUIREMENTS ON THE JOB AND BY REFERENCE TO ARCHITECTURE, MECHANICAL AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
51. OUTLET AND JUNCTION BOXES SHALL BE SIZED PER CODE FOR THE QUANTITY OF WIRES THEY CONTAIN. SEE ARTICLE 370 OF N.E.C. PROVIDE ADDITIONAL BOXES AND EXTENSION RINGS AS REQUIRED.
52. ELECTRICAL CONTRACTOR SHALL COMPLY WITH CABLE BENDING RADIUS REQUIREMENTS PER CABLE MANUFACTURES SPECIFICATION.
53. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED, THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF INSTALLATION.
54. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY- RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF THE INSTALLATION.
55. PLANS INDICATE THE NUMBER OF PHASE NATURAL, AND GROUND CONDUCTORS WHERE MORE THAN THREE CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT (THREE OR LESS CONDUCTORS ARE NOT SHOWN). ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.
56. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, CIRCUITS SHALL CONSIST OF #12 PHASE AND GROUNDED (NEUTRAL CONDUCTORS) AND A #12 CU GROUND IN A 3/4" CONDUIT.
57. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD.
58. PRIOR TO TRENCHING IN ANY AREA THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA, CABLE T.V., GAS, AND WATER UTILITY PROVIDES (BLUE STRIKE) AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED, IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY ANY OBSTACLES IN THE PATH OF TRENCHING (PRIOR TO COMMENCING WORK). DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
59. ANY AND ALL WIRE THAT CARRIES A CURRENT MUST BE IN A CONDUIT. (GROUNDING WIRE FOR LOOPS, HALOS, ECT. IS CONSIDERED NON-CURRENT CARRYING.)
60. THE STRUCTURAL CAPACITY OF THE PROPOSED ANTENNA AND/OR RADIO MOUNTING HARDWARE IS DETERMINED BY THE MANUFACTURER, PLEASE REFER TO MANUFACTURER DOCUMENTATION FOR PROPER INSTALLATION METHODS AND CAPACITY LIMITS.



GENERAL NOTES

1

TYPICAL EQUIPMENT PLACEMENT DETAIL

NO SCALE

2



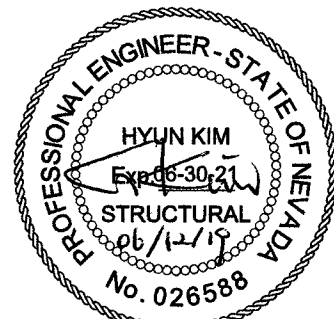
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PROJECT NO.	DRAWN BY	CHECKED BY
199064.4004	SRB	LEW

REV	DATE	DESCRIPTION
3	08/07/19	CITY COMMENTS
2	02/13/19	CITY COMMENTS
1	01/07/18	ISSUED FOR CONSTRUCTION
0	11/14/18	ISSUED FOR CONSTRUCTION



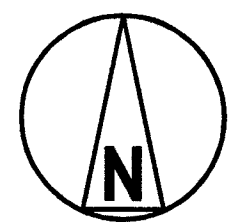
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SITE ADDRESS

33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
GENERAL CONSTRUCTION
NOTES

SHEET NUMBER
GN-1



OVERALL SITE PLAN

NOTES

1. REFERENCE USDCCA DETAIL #506 FOR POTHOLING AT ALL SEWER/STORM DRAIN CROSSINGS (SEE SHEET D-4)
2. POTHOLING TO BE CONDUCTED AT ALL INTERSECTIONS OF PROPOSED CONDUIT ROUTE WITH EXISTING STORM OR SANITARY SEWERS. POTHOLE LOCATIONS TO BE RESTORED PER USDCCA DETAIL #506 AS SHOWN ON D-4.

NO SCALE

1



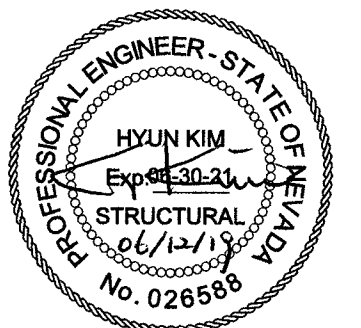
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SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER

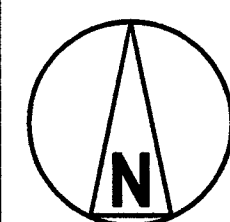
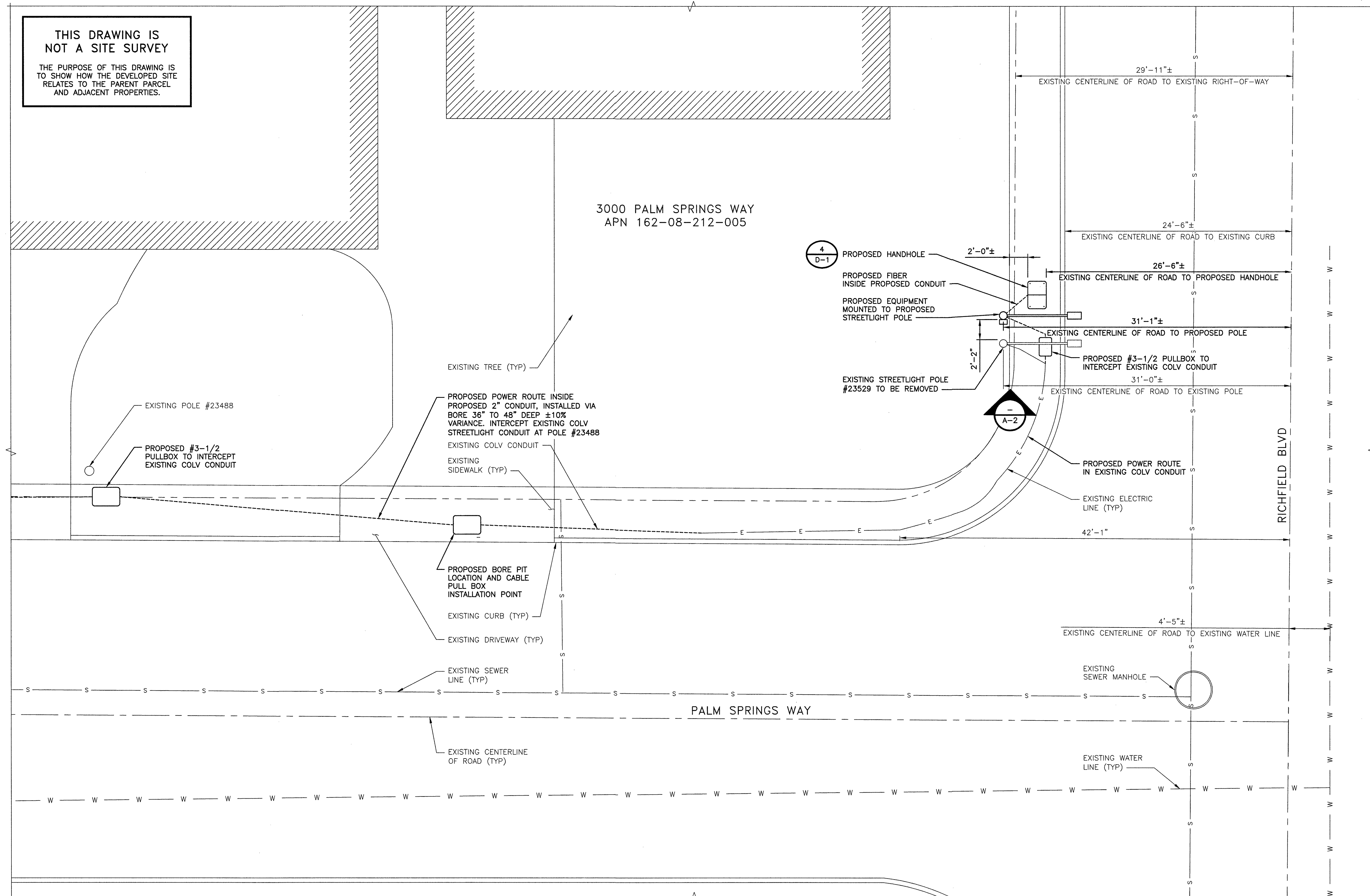
A-1

3

THIS DRAWING IS
NOT A SITE SURVEY

THE PURPOSE OF THIS DRAWING IS
TO SHOW HOW THE DEVELOPED SITE
RELATES TO THE PARENT PARCEL
AND ADJACENT PROPERTIES.

3000 PALM SPRINGS WAY
APN 162-08-212-005



ENLARGED SITE PLAN

6' 4' 2' 0' 5' 10'
3/16"=1'-0"

1



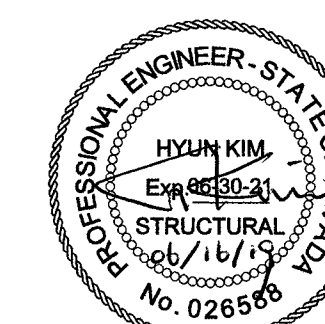
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SMALL CELL

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER

A-1.1 4

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AND ADJACENT PROPERTIES.



PROPOSED 200A
METER PEDESTAL

PROPOSED
CONCRETE CAP

PROPOSED BORE PIT
LOCATION AND CABLE PULL
BOX INSTALLATION POINT

PROPOSED POWER ROUTE INSIDE
PROPOSED 2" CONDUIT, INSTALLED VIA
BORE 36" TO 48" DEEP $\pm 10\%$
VARIANCE. INTERCEPT EXISTING COLV
STREETLIGHT CONDUIT AT POLE #23488

WILMINGTON WAY

EXISTING CENTERLINE
OF ROAD (TYP)

EXISTING SIDEWALK (TYP)

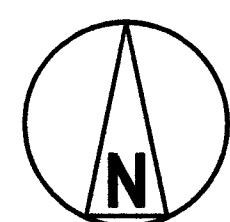
EXISTING CURB (TYP)

EXISTING POLE MOUNTED METER
#401213 (TO BE REMOVED PER
CITY OF LAS VEGAS)

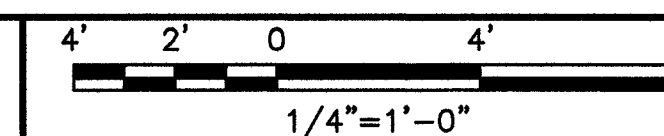
EXISTING BUILDING
(TYP)

PROPOSED BORE PIT
LOCATION AND CABLE PULL
BOX INSTALLATION POINT

3209 WILMINGTON WAY



ENLARGED SITE PLAN



COX



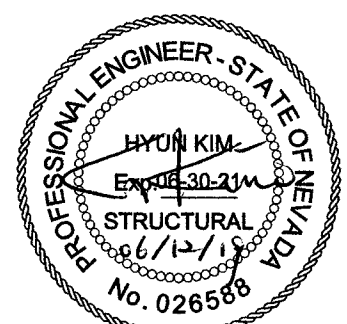
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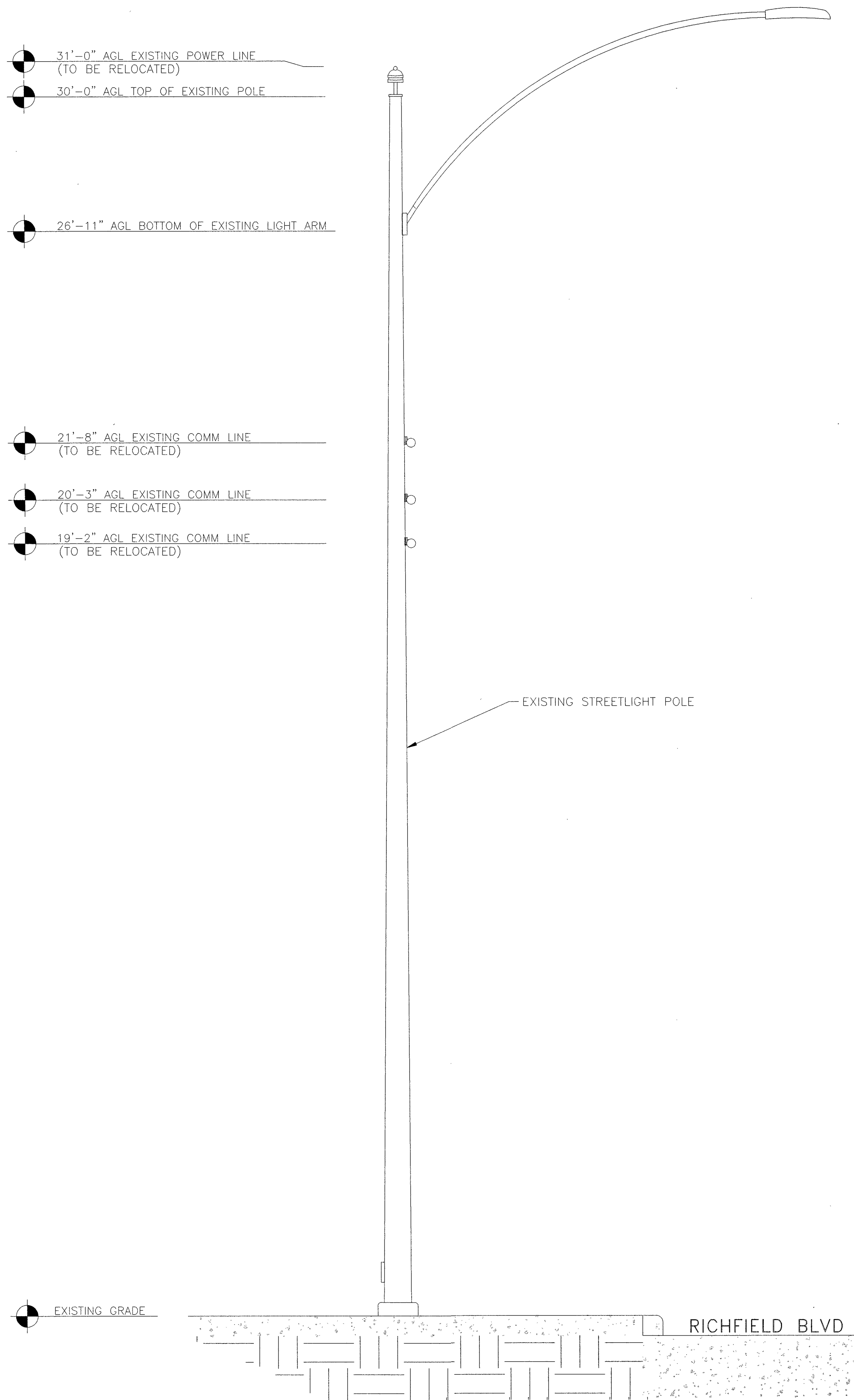
33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE

ENLARGED METER
SITE PLAN

SHEET NUMBER

A-1.2



31'-0" AGL EXISTING POWER LINE
(TO BE RELOCATED)

30'-0" AGL TOP OF EXISTING POLE

26'-11" AGL BOTTOM OF EXISTING LIGHT ARM

21'-8" AGL EXISTING COMM LINE
(TO BE RELOCATED)

20'-3" AGL EXISTING COMM LINE
(TO BE RELOCATED)

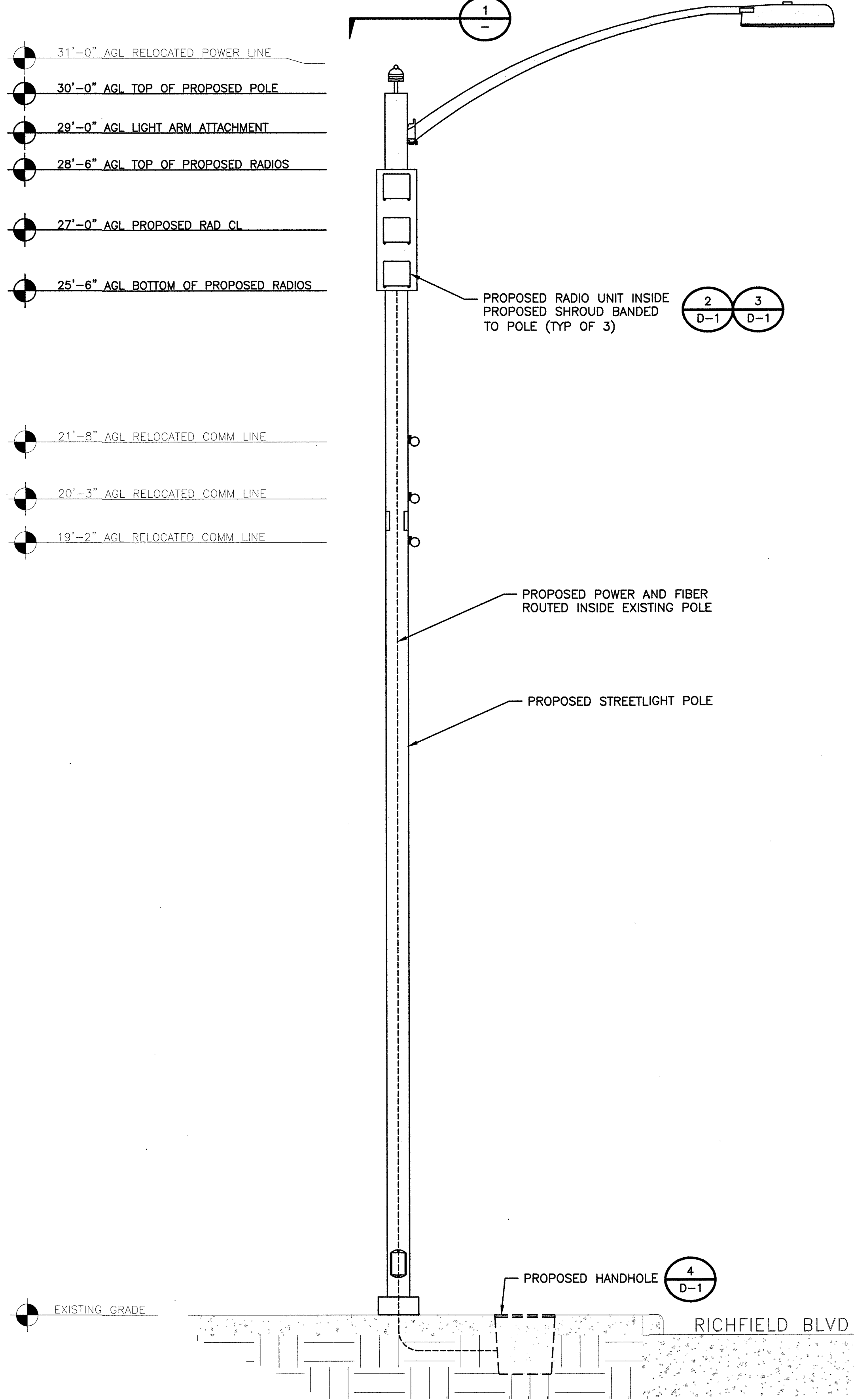
19'-2" AGL EXISTING COMM LINE
(TO BE RELOCATED)

EXISTING GRADE

EXISTING STREETLIGHT POLE

RICHFIELD BLVD

- NOTES**
1. PAINT PROPOSED EQUIPMENT TO MATCH POLE.
 2. ANTENNA ARRAY TO BE MOUNTED TO AZIMUTH 180.



31'-0" AGL RELOCATED POWER LINE

30'-0" AGL TOP OF PROPOSED POLE

29'-0" AGL LIGHT ARM ATTACHMENT

28'-6" AGL TOP OF PROPOSED RADIOS

27'-0" AGL PROPOSED RAD CL

25'-6" AGL BOTTOM OF PROPOSED RADIOS

21'-8" AGL RELOCATED COMM LINE

20'-3" AGL RELOCATED COMM LINE

19'-2" AGL RELOCATED COMM LINE

EXISTING GRADE

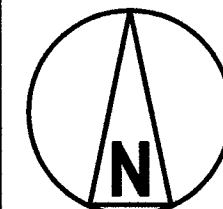
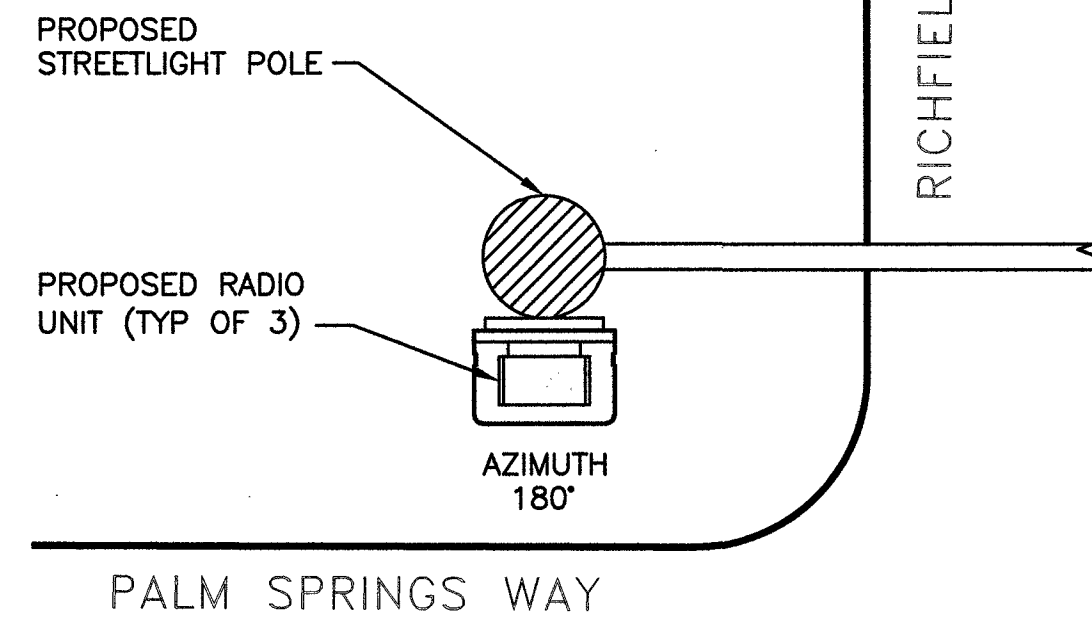
PROPOSED RADIO UNIT INSIDE
PROPOSED SHROUD BANDED
TO POLE (TYP OF 3)

PROPOSED POWER AND FIBER
ROUTED INSIDE EXISTING POLE

PROPOSED STREETLIGHT POLE

PROPOSED HANDHOLE

RICHFIELD BLVD



RADIO SPACE PLAN VIEW

NO SCALE

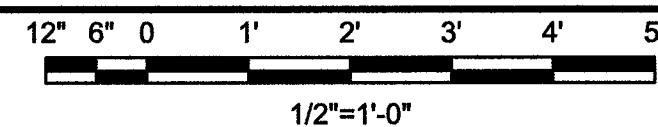
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NOT USED

NO SCALE

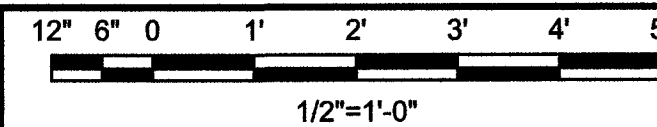
2

EXISTING SOUTH ELEVATION



A

PROPOSED SOUTH ELEVATION



B

NOT USED

NO SCALE

3

COX



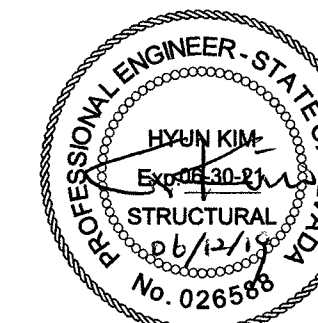
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199064.4004	SRB	LEW

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2	02/13/19	CITY COMMENTS
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0	11/14/18	ISSUED FOR CONSTRUCTION



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SITE ADDRESS

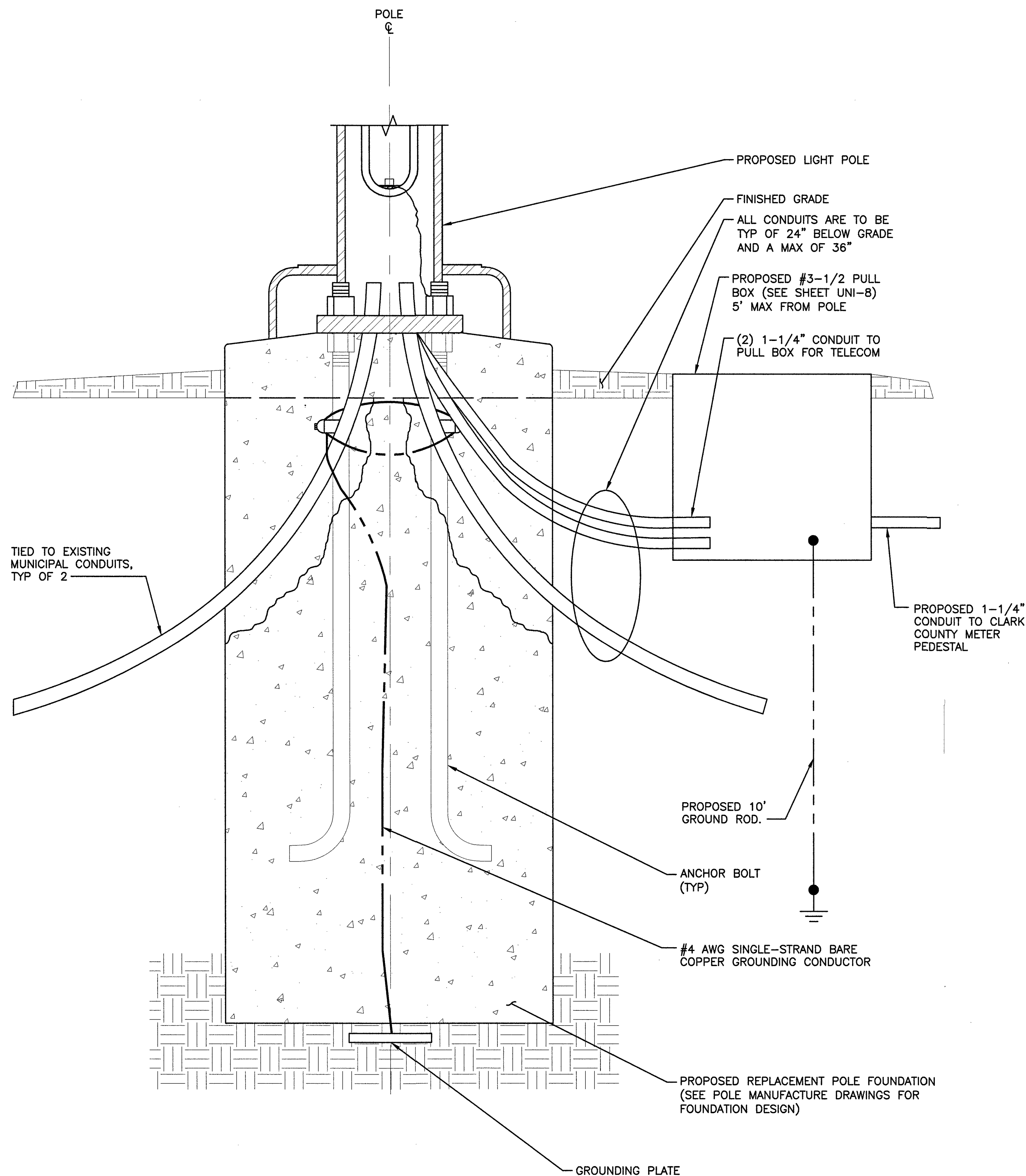
33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-2



POLE FOUNDATION & CONDUIT DETAIL

NO SCALE

1

NOT USED

NO SCALE

2



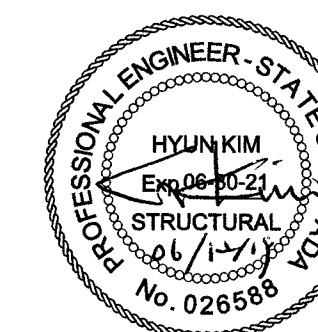
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VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
**FOUNDATION &
CONDUIT DETAILS**

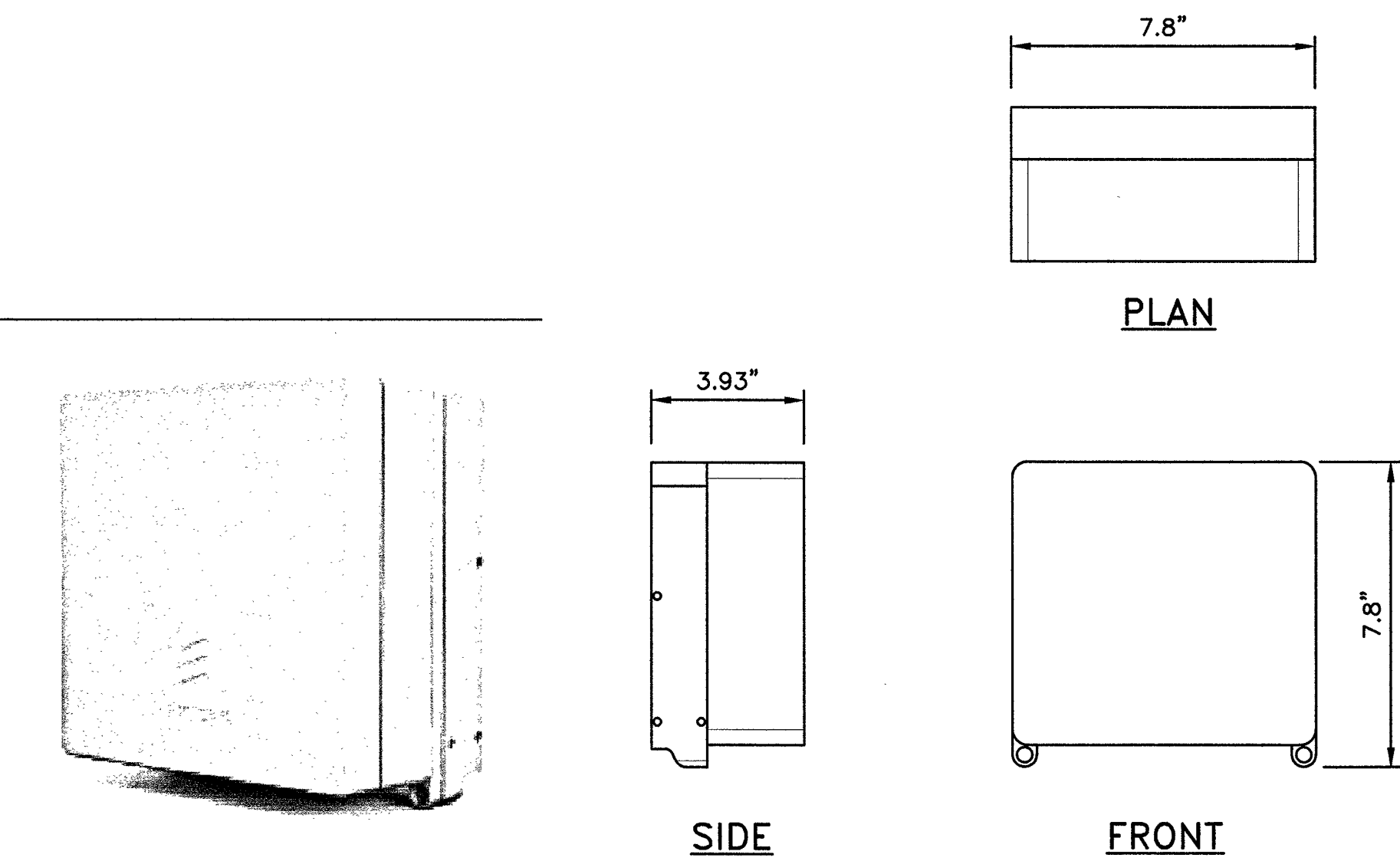
SHEET NUMBER

A-3

7

ERICSSON RRUS-2203/5

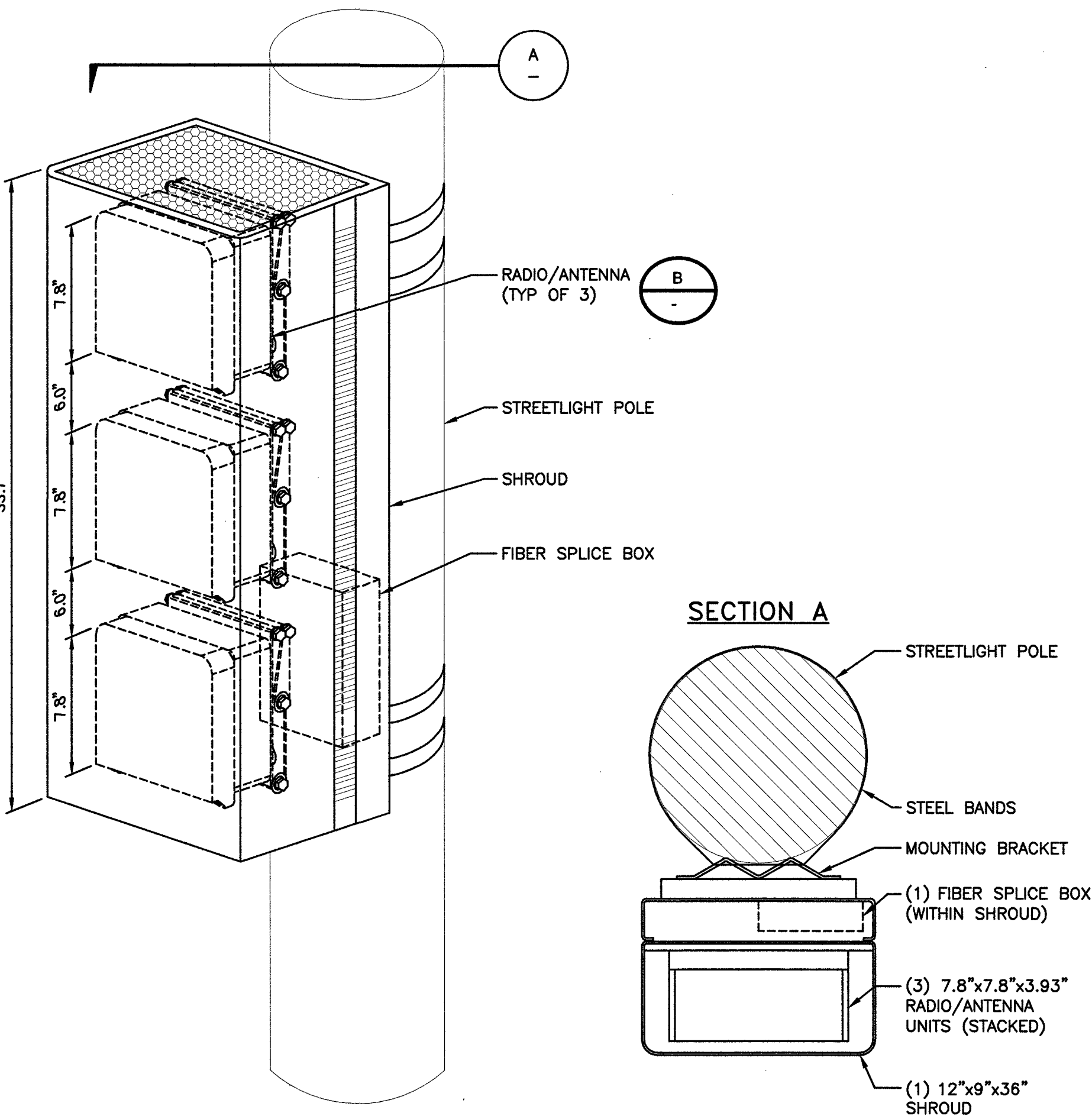
LENGTH: 7.8" (200MM)
WIDTH: 7.8" (200MM)
DEPTH: 3.93" (100MM)
TOTAL WEIGHT (WITHOUT BRACKETS): <9.9 LBS (4.5 Kg)



RADIO SPECIFICATIONS

NO SCALE

1



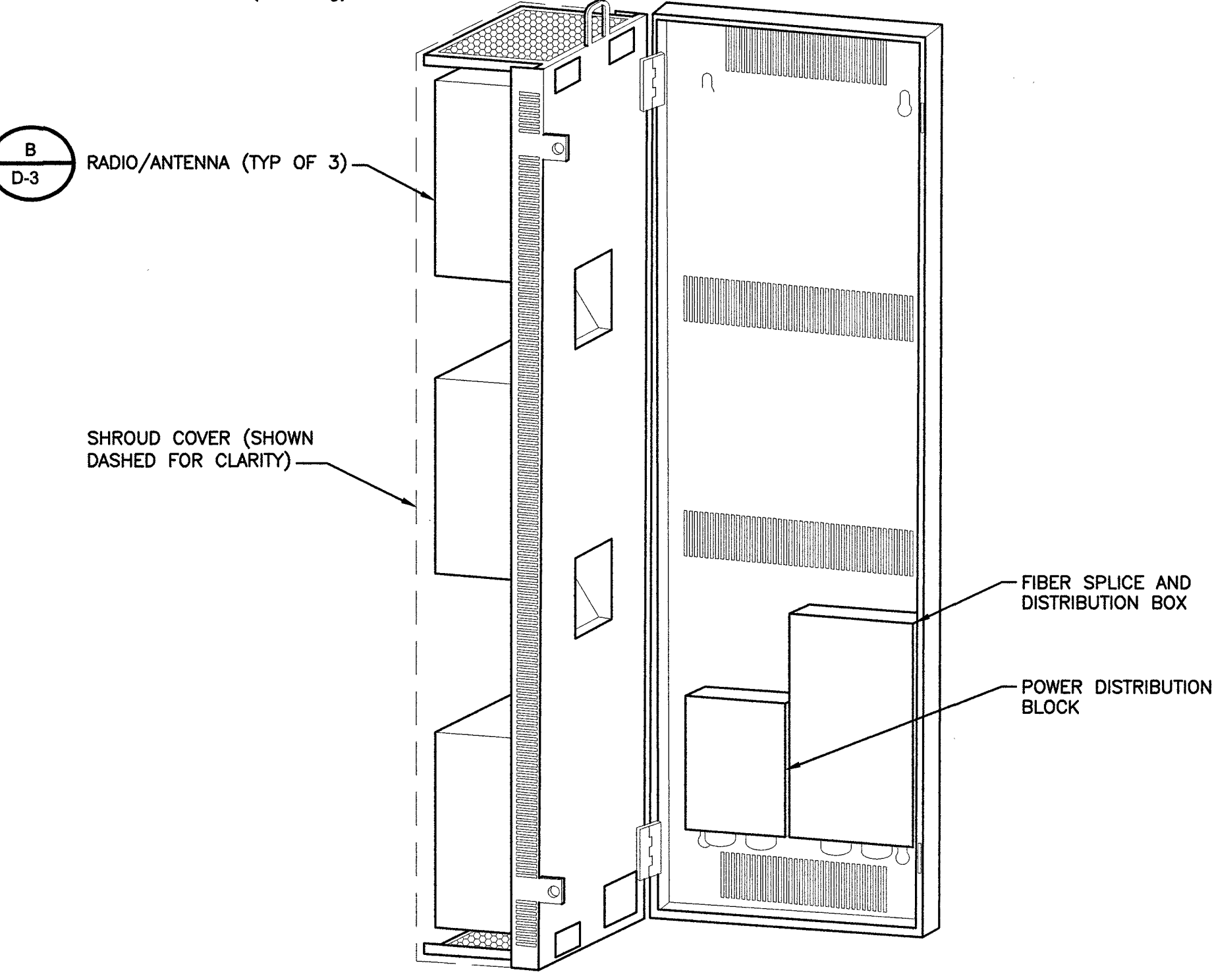
RADIO SHROUD MOUNTING DETAIL

NO SCALE

2

ERICSSON SMALL CELL SHROUD

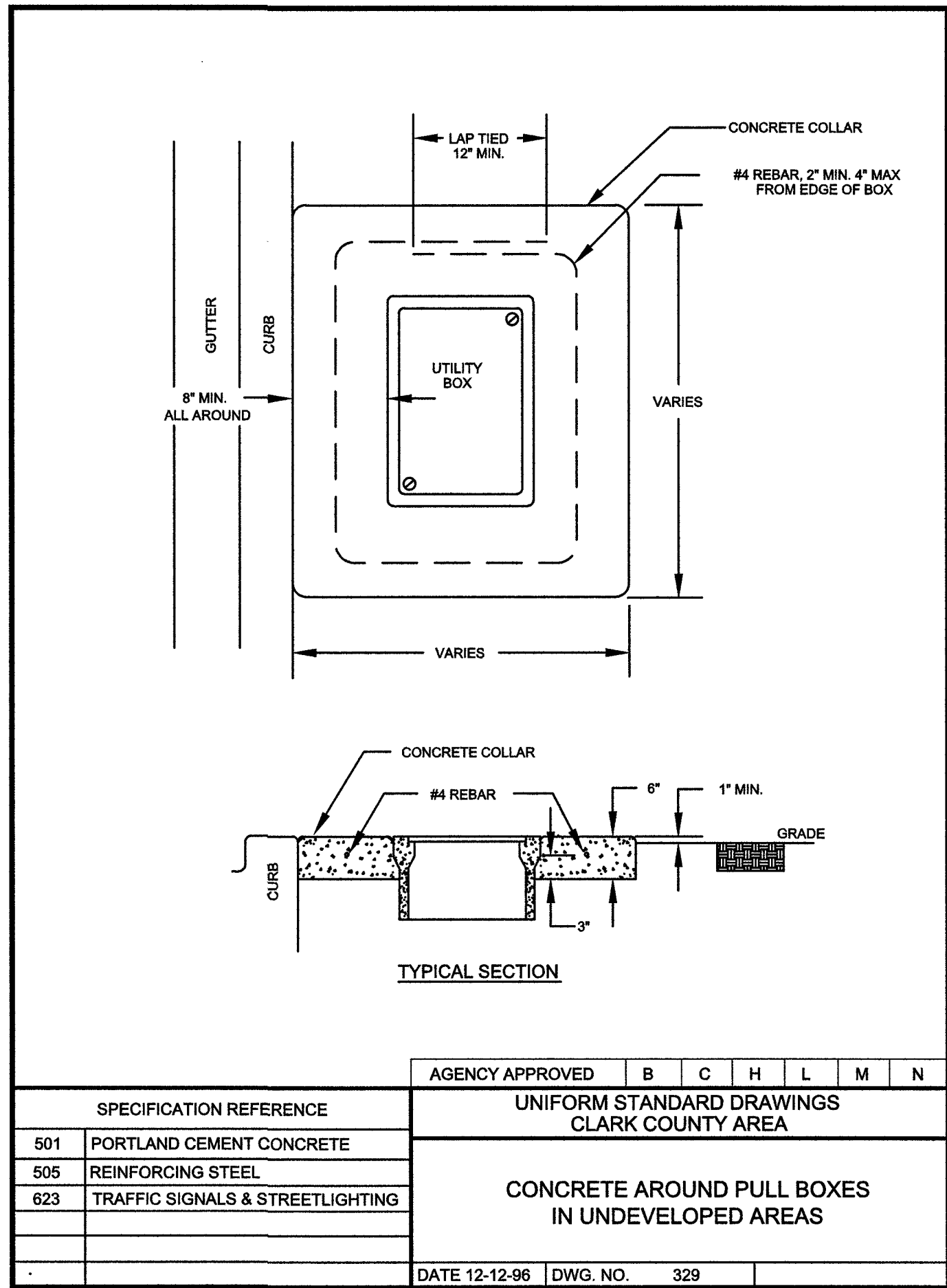
DEPTH: 9" (229 mm)
HEIGHT: 35.4" (899 mm)
WIDTH: 11.67" (296 mm)
WEIGHT: 90 LBS (40.5 kg)



RADIO SHROUD SPECIFICATIONS

NO SCALE

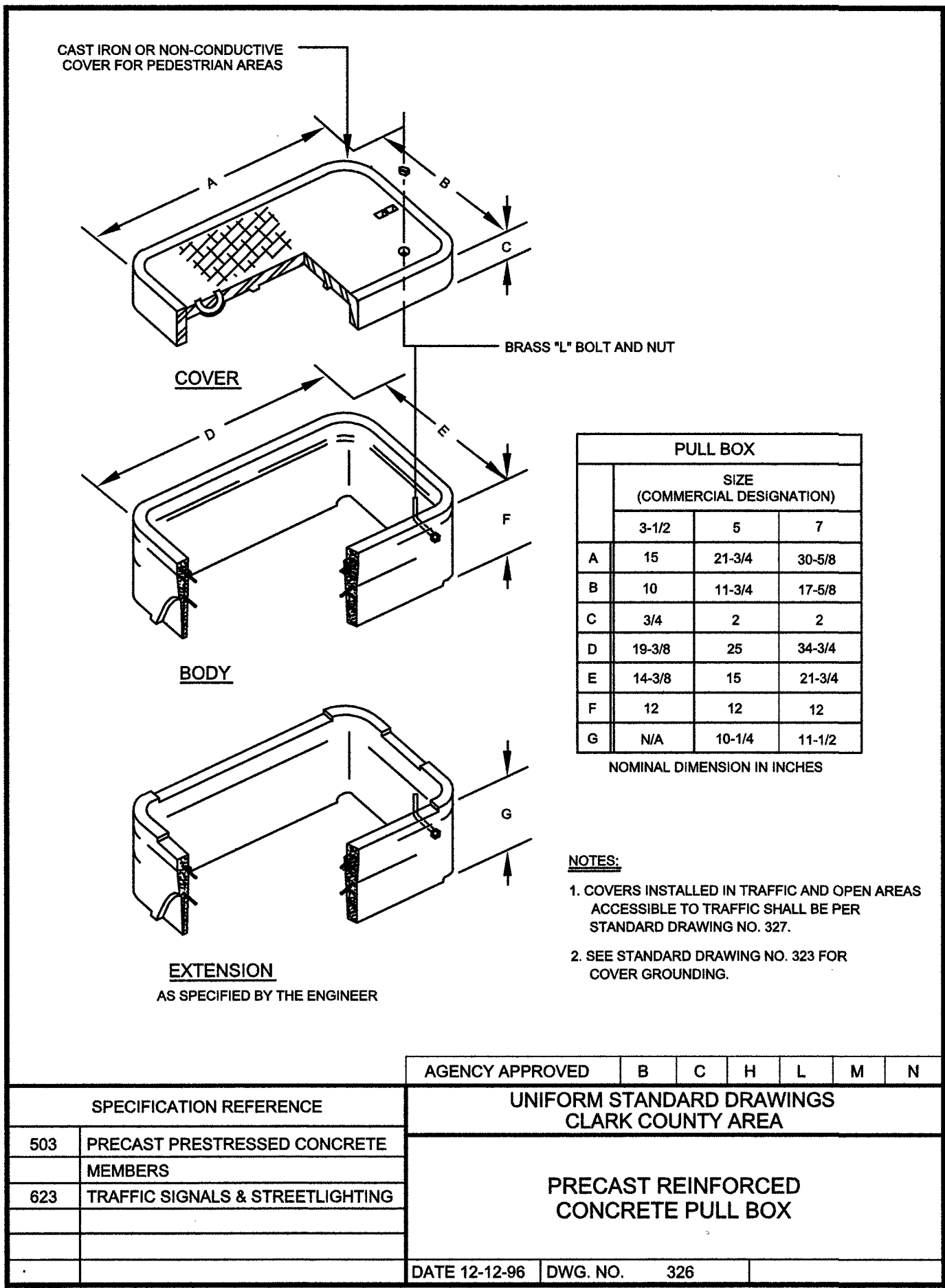
3



PULL BOX INSTALLATION DETAIL

NO SCALE

5



CONCRETE PULL BOX SPECIFICATIONS

NO SCALE

6



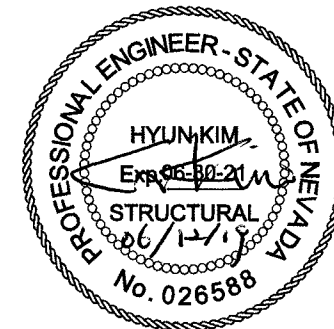
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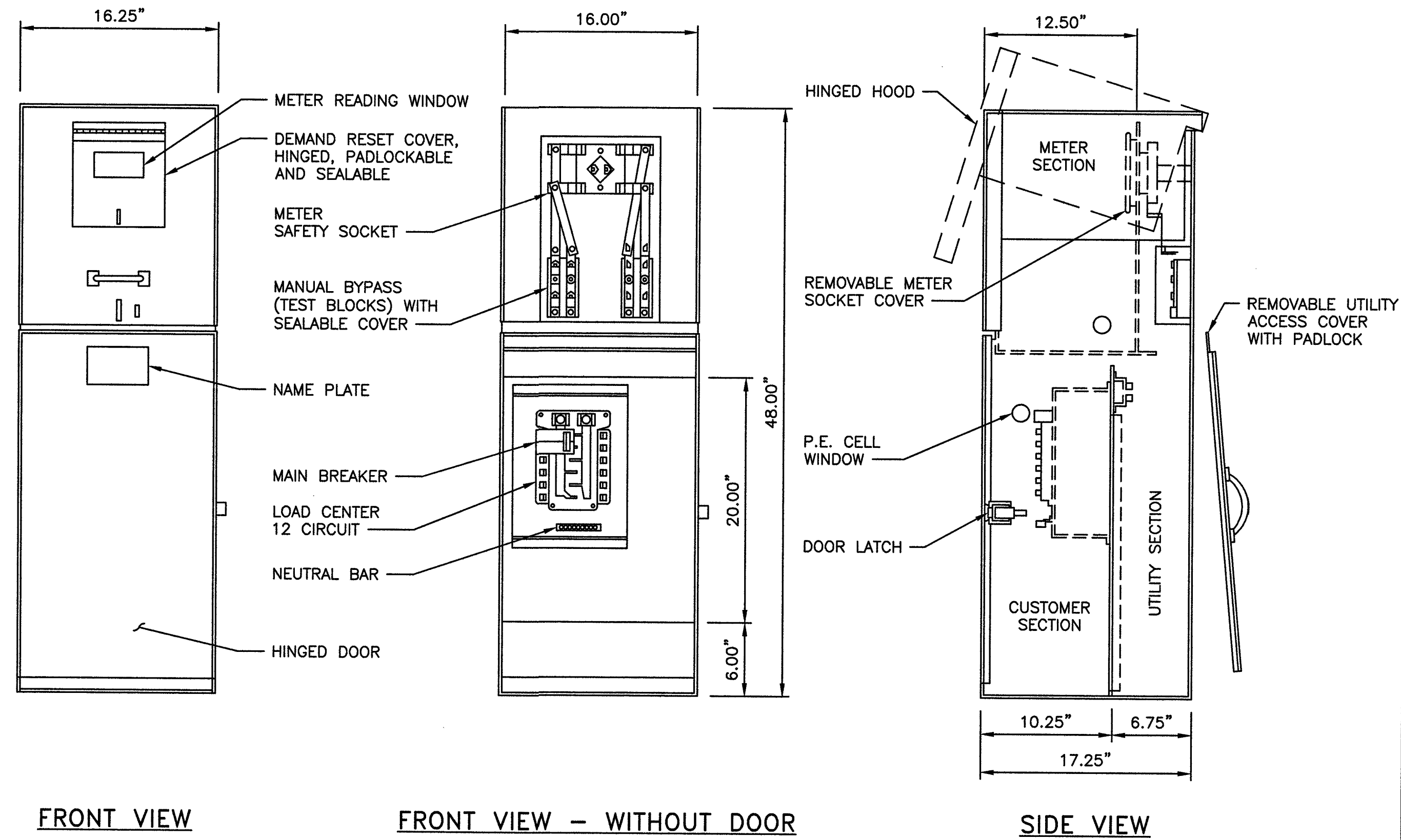
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3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER

D-1

MYERS MEUG16-M200 CALTRANS TYPE III-BF



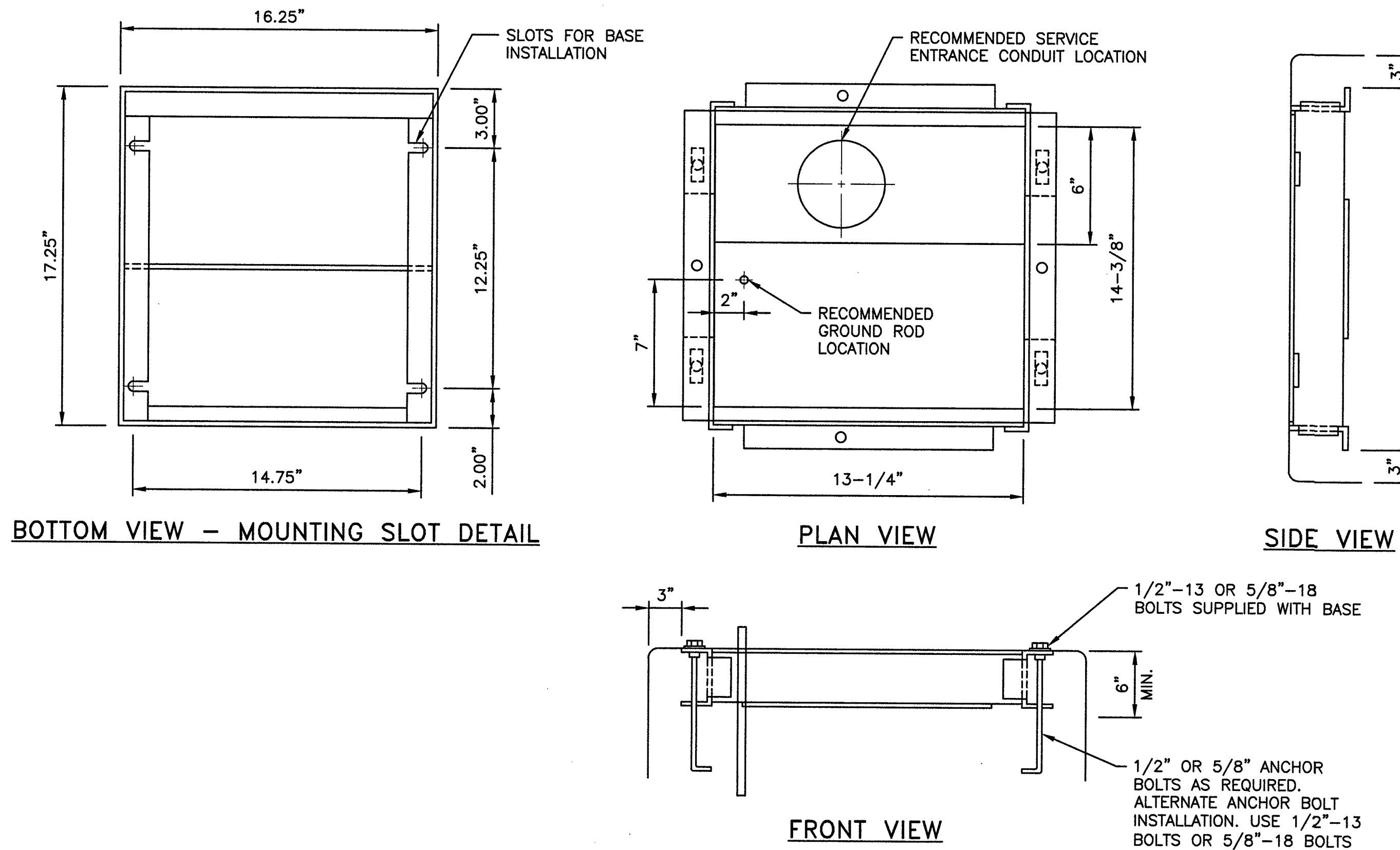
METER PEDESTAL DETAIL

NO SCALE

1

NOTES

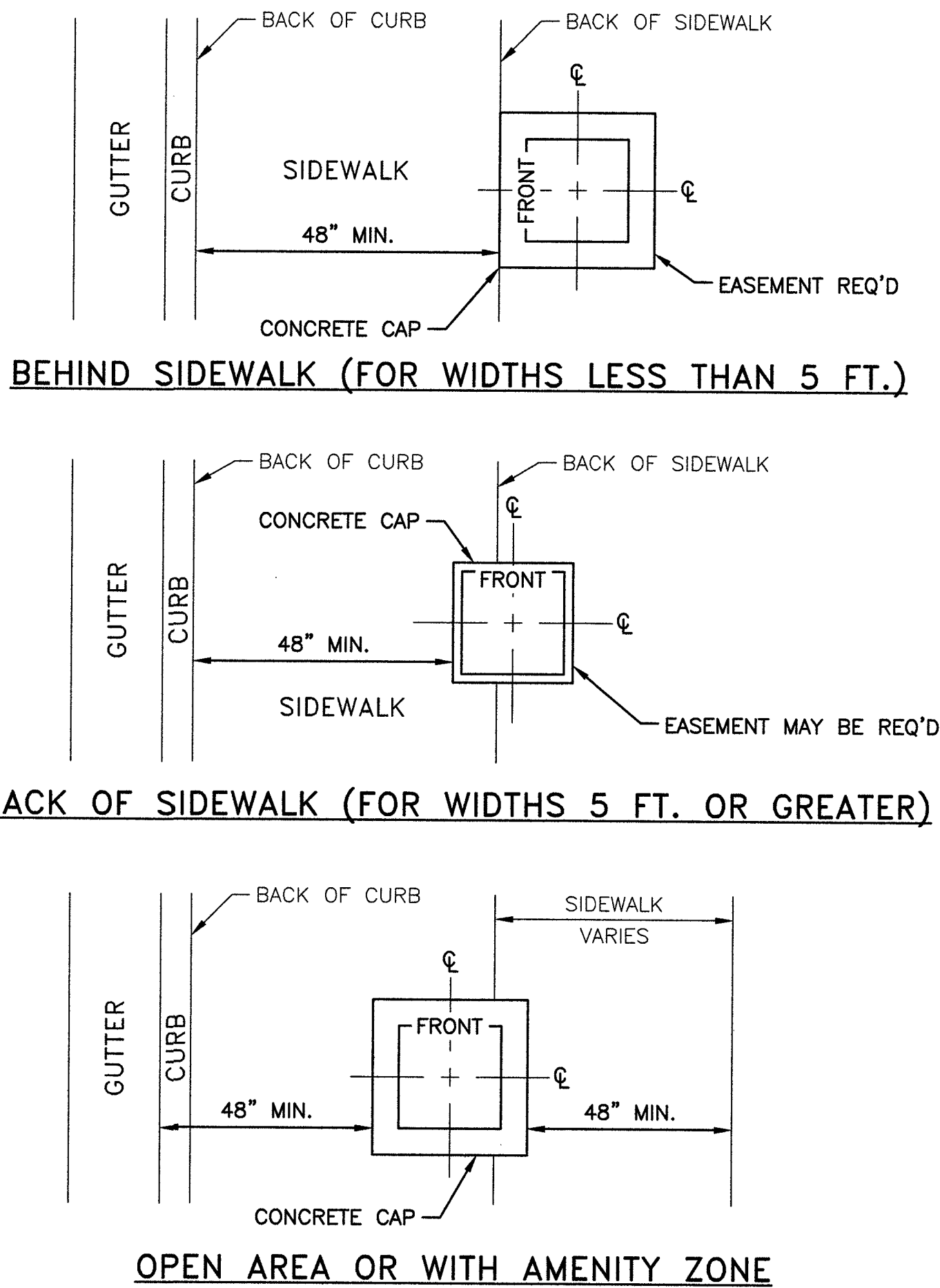
1. MINIMUM CLEARANCE REQUIRED 36" PER NEC 110-16, TYPICAL FRONT AND BACK.
2. FOUNDATION DIMENSIONS AND DEPTH PER JOB SPECIFICATIONS.



BASEPLATE DETAIL

NO SCALE

3



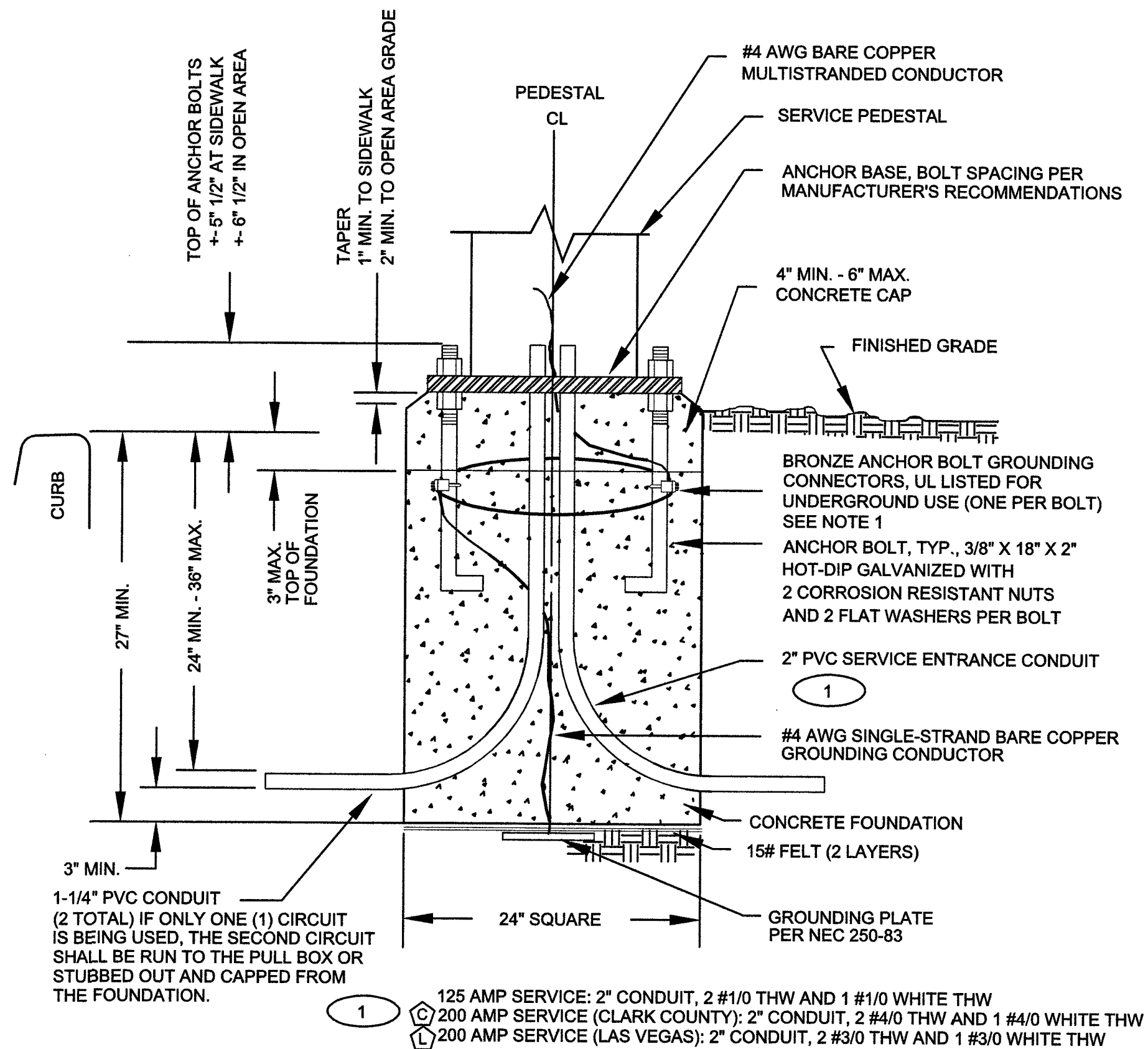
SERVICE PEDESTAL SETBACK DETAILS (USDCCA DRAWING #331)

NO SCALE

2

NOTES

1. BARE COPPER GROUNDING CONDUCTOR SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.
2. CABINET COVERS SHALL BE PARALLEL WITH CURB.
3. IN AREAS WHERE R/W PERMITS, THE CONCRETE BASE SHALL BE PLACED AT THE BACK EDGE OF THE SIDEWALK.
4. CABINET COVERS SHALL OPEN TOWARDS THE STREET WHEN CABINETS ARE LOCATED AT BACK OF WALK. CABINET COVERS SHALL OPEN PARALLEL TO THE SIDEWALK FACING THE DIRECTION OF TRAFFIC WHEN LOCATED WITHIN THE SIDEWALK.
5. WIRE SIZES ARE BASED ON UNDERGROUND FEED.
6. WIRE SIZES SHALL BE INCREASED FOR VOLTAGE DROP LIMITATION WHEN RUN IS LONG.



SERVICE PEDESTAL FOUNDATION DETAIL

NO SCALE

4

COX



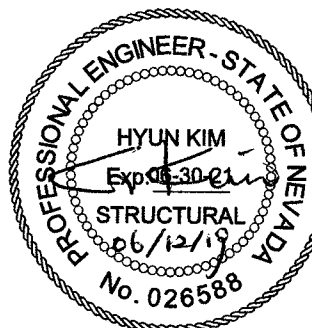
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LAS VEGAS, NV 89102
SMALL CELL

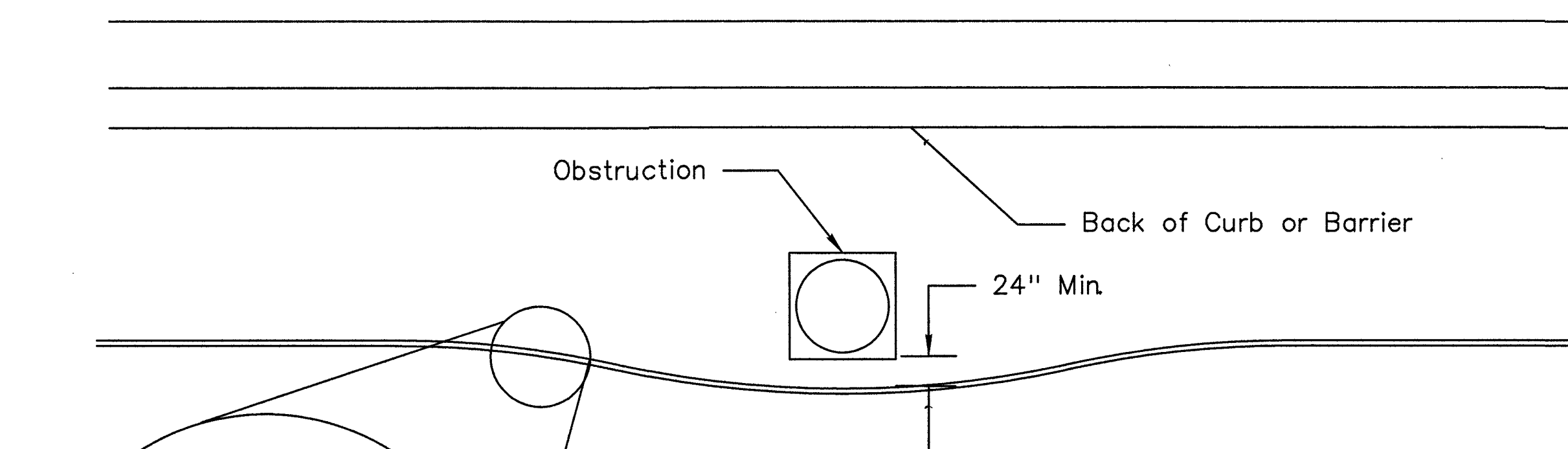
SHEET TITLE

METER PEDESTAL
DETAILS

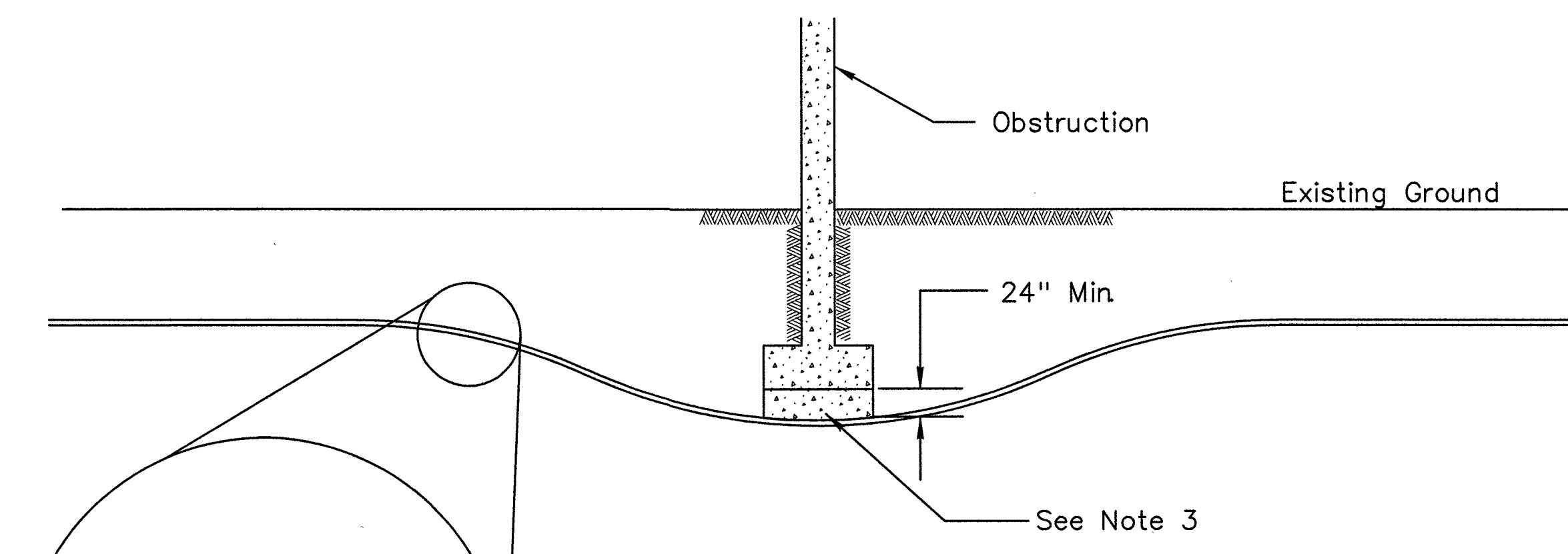
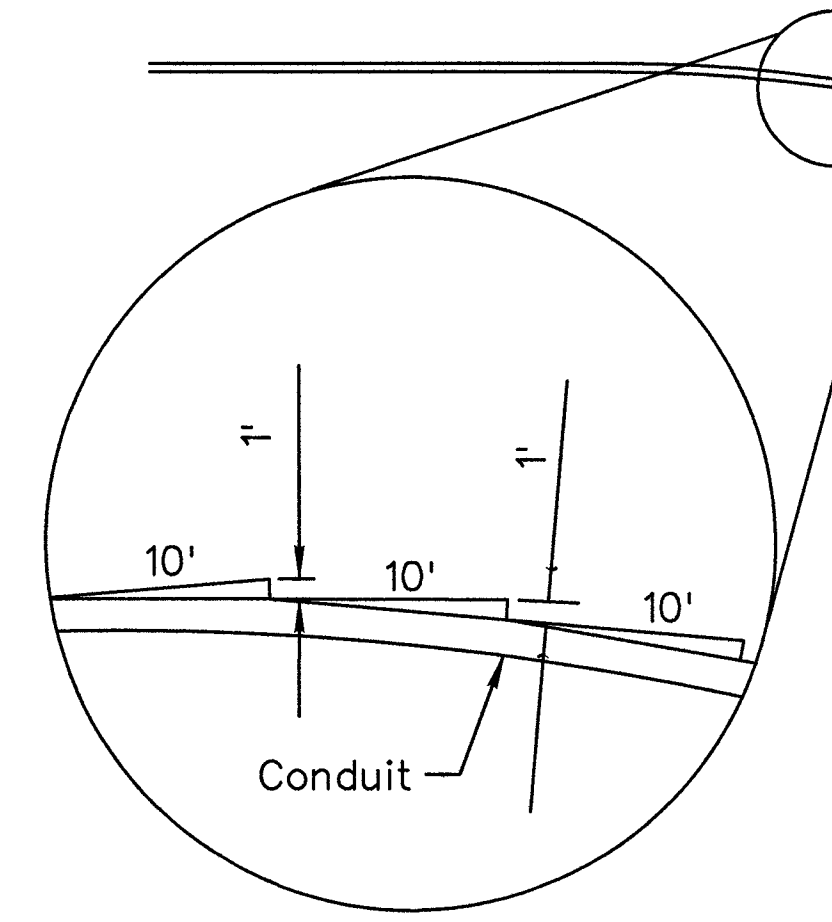
SHEET NUMBER

D-2

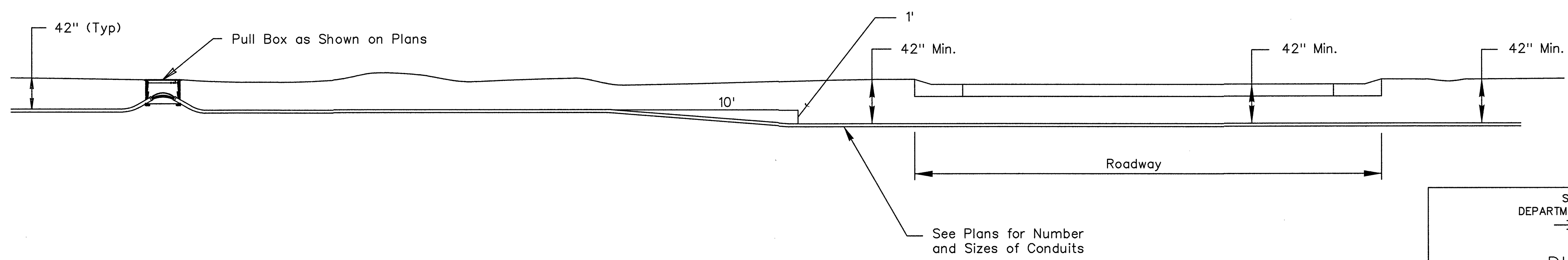
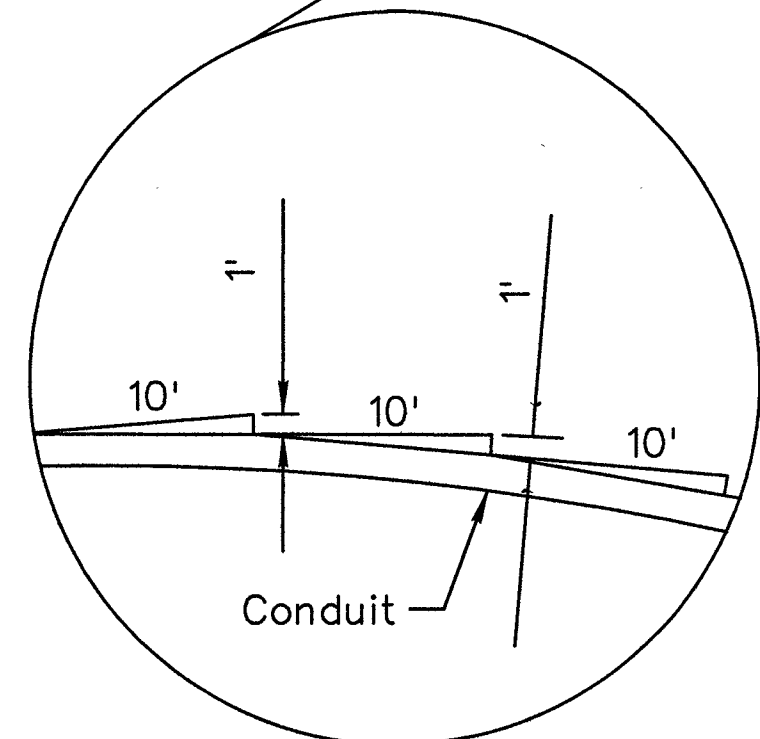
9



TYPICAL HORIZONTAL ROUTING OF CONDUIT AROUND AN OBSTRUCTION



TYPICAL VERTICAL ROUTING OF CONDUIT UNDER AN OBSTRUCTION



TYPICAL DIRECTIONAL DRILLING INSTALLATION

NOTES:

1. Use a back pulled or installation method that does not rotate or twist multiple conduits during installation.
2. Conduit deflection shall not exceed 1 foot in the horizontal or vertical direction per 10 feet in longitudinal direction. (typ.)
3. Conduit shall be routed no closer than 24 inches to any obstruction.
4. Core drilling through an obstruction may be used as an alternative method, subject to approval.
5. Backfill under footing shall be Class B slurry cement conforming to Subsection 207.02.02



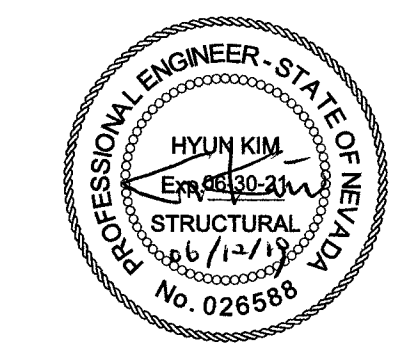
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SITE ADDRESS
33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
DRILLING DETAILS

SHEET NUMBER
D-3

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

DIRECTIONAL DRILLING DETAILS

T-30.3.2	(623)	Signed Original On File
ADOPTED 10/15	REVISED	CHIEF TRAFFIC OPS ENGR.

⚠

CAUTION

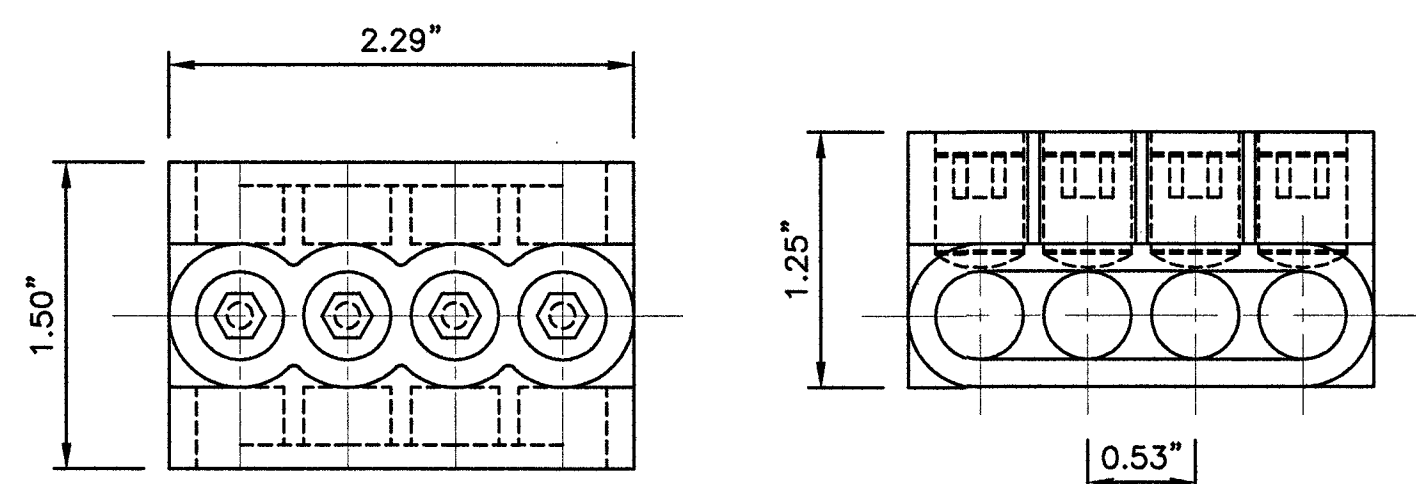
STAY BACK 3 ft.
TO PREVENT
RADIO FREQUENCY
EXPOSURES ABOVE FCC
LIMITS. CALL NOC
1-877-897-2475
TO POWER DOWN.
SITE ID: 33TM0202SMC

NOTICE

SMALL CELL SHUT OFF SWITCH
Push switch button turn off radio
while working within 3 ft. of the
device
Note: Once work is completed
turn switch back on

RF WARNING PLACARDS	NO SCALE	1
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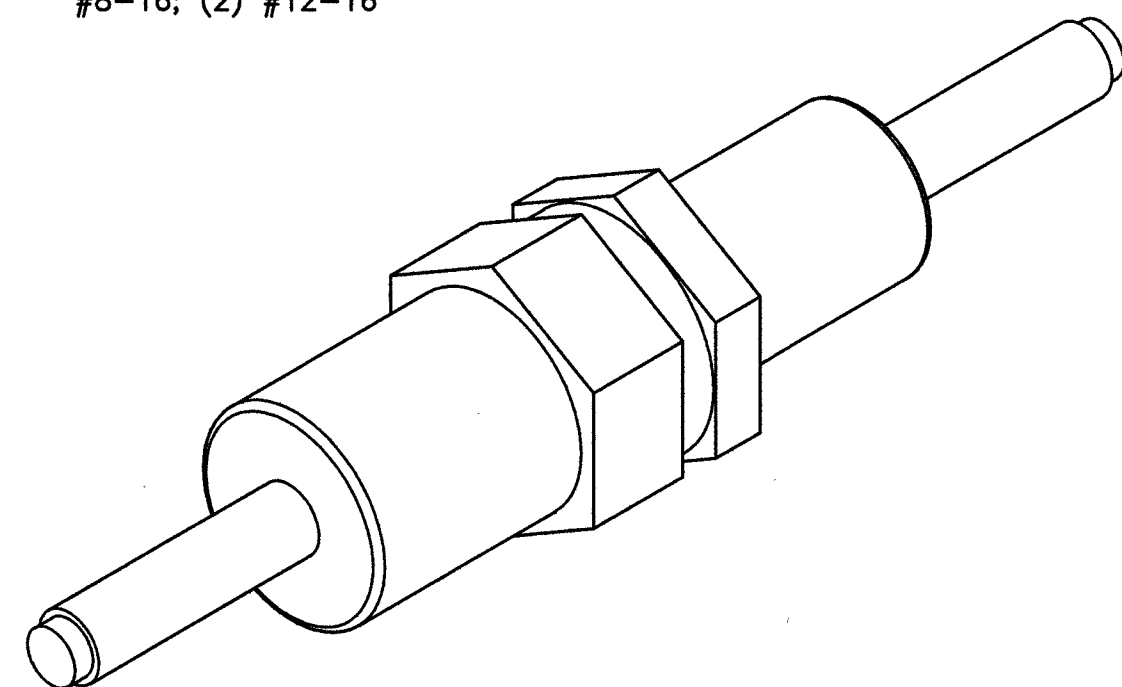
MULTI-TAP CONNECTOR WITH CLEAR INSULATION,
DOUBLE-SIDED (PCSB4-4-6Y)



CONNECTOR DETAIL	NO SCALE	2
------------------	----------	---

BUSSMAN HEB-AW-RLC-A

DIMENSIONS, LENGTH: 4.4"
WIRE RANGE: #8-16; (2) #12-16



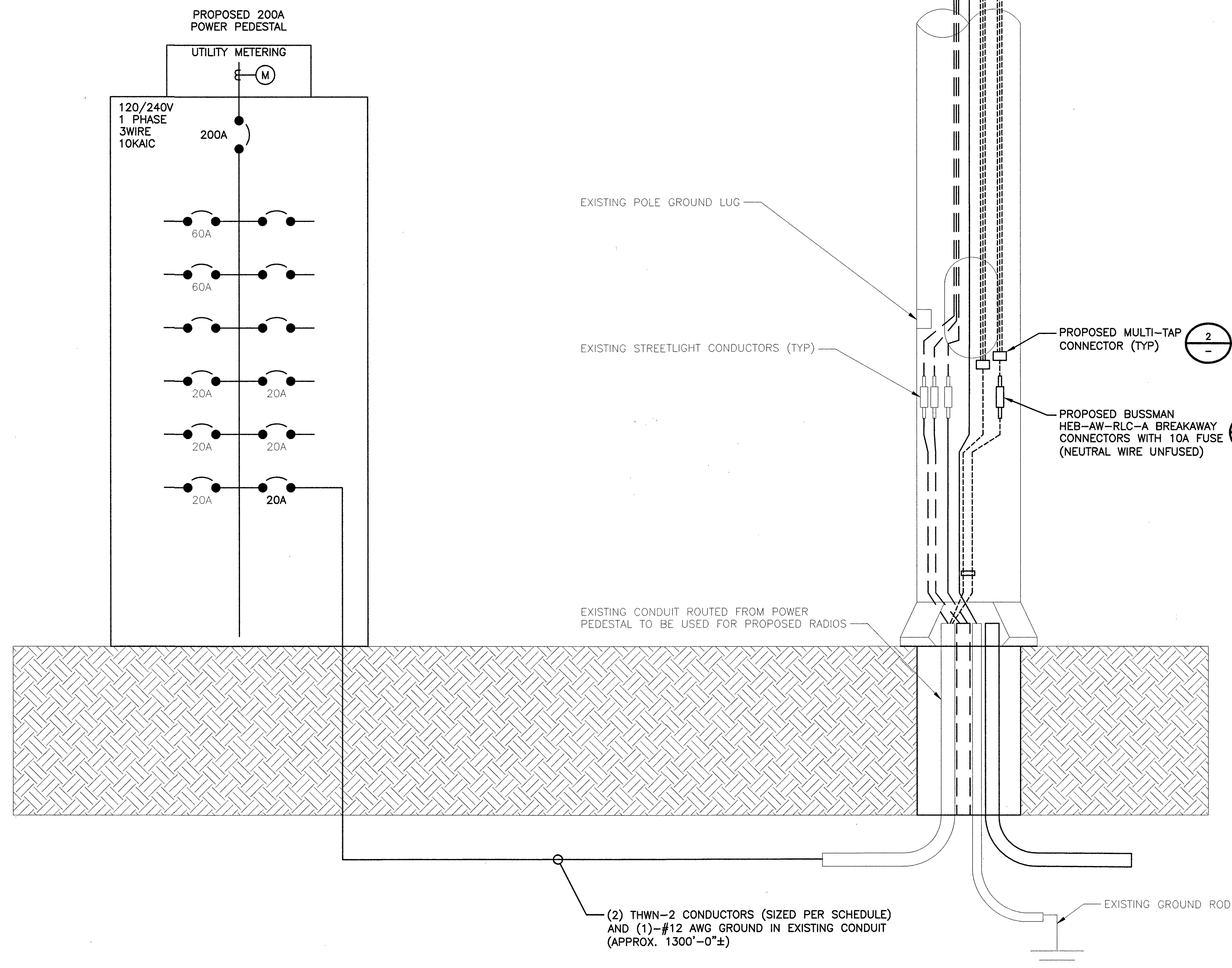
BREAKAWAY FUSE DETAIL	NO SCALE	3
-----------------------	----------	---

NOTES

- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL NEW CONDUCTOR WIRE TO BE INSTALLED SHALL BE COPPER THWN-2, THW-2, RHW-2, XHHW-2 WIRE UNLESS NOTED OTHERWISE.
- ALL GROUNDING AND BONDING TO BE PER THE RECOGNIZED EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
- ALL INSTALLED CONDUCTORS AND SIGNAL CABLES TO BE CLEARLY MARKED "COX COMMUNICATIONS" WITH BRASS OR FIBERGLASS TAGS.

120VAC FEEDER CONDUCTOR MAXIMUM DISTANCE

#12 AWG	385'-0"	3% VOLT DROP @ 2.34A
#10 AWG	642'-0"	3% VOLT DROP @ 2.34A
#8 AWG	987'-0"	3% VOLT DROP @ 2.34A
#6 AWG	1572'-0"	3% VOLT DROP @ 2.34A



TYPICAL POLE SITE TEMPLATE	NO SCALE	4
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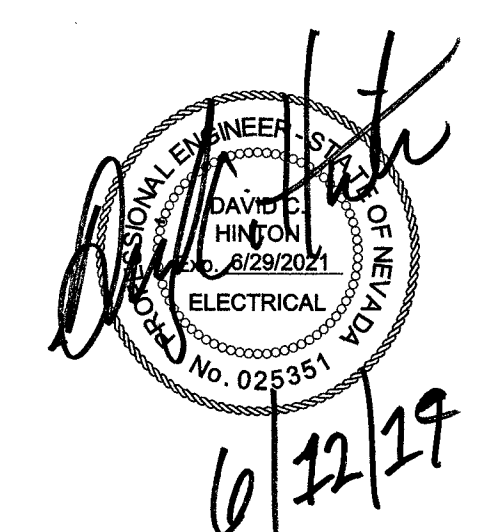


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33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
ELECTRICAL DETAILS
AND DIAGRAMS

SHEET NUMBER
E-1

EXISTING ELECTRICAL LOAD STUDY

EXISTING LOAD.....48.0 AMPS

EXISTING UTILITY SOURCE OF POWER

EXISTING CONDUITS WITH CONDUCTORS

EXISTING XX CIRCUIT PANEL

PROPOSED ELECTRICAL LOAD STUDY

EXISTING LOAD.....48.0 AMPS
SAFETY FACTOR 125%.....60.0 AMPS
PROPOSED LOAD.....6.69 AMPS
TOTAL LOAD.....64.69 AMPS
ALLOWED LOAD 80% OF 200 AMPS.....160 AMPS

EXISTING UTILITY SOURCE OF POWER

EXISTING CONDUITS WITH CONDUCTORS

PROPOSED 200 AMP METER—MEUG16—M200 (SEE SHEET D-2)

PROPOSED 12 CIRCUIT PANEL WITH (3) NEW 20 AMP SINGLE POLE BREAKERS FOR WIRELESS CARRIERS
TOTAL NEW LOAD 64.69 AMPS

EXISTING SINGLE LINE DIAGRAM

NO SCALE

1

PROPOSED SINGLE LINE DIAGRAM

NO SCALE

2

Site Name:3000 PALM SPRINGS WAY

MODEL NUMBER:MYERS MEUG16-M200

SITE NUMBER:33TM0202SMC

PHASE:1

WIRE:3

VOLTAGE:240 /120 Volts AC

BUSS RATING:200 AMPS

MAIN BREAKER:200 AMPS

MOUNT:SURFACE

ENCLOSURE TYPE:NEMA 3R

PANEL STATUS:PROPOSED

CKT	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	Demand Factor	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	Demand Factor	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT
1	MAINS	200	2	ON	0	1.00	1.00	7200		1.25	1.00	5760	ON	1	60	EXISTING LOAD	2
3					0	1.00	1.00		7200	1.25	1.00	5760	ON	1	60	EXISTING LOAD	4
5	PROPOSED COX SMALL CELL	20	1	NEW	450	1.00	1.25	1125		1.25	1.00	450	NEW	1	20	PROPOSED COX SMALL CELL	6
7	TELECOM (FUTURE)	20	1	OFF	0	1.00	1.00		0	1.00	1.00	0	OFF	1	20	TELECOM (FUTURE)	8
9	TELECOM (FUTURE)	20	1	OFF	0	1.00	1.00	0		1.00	1.00	0	OFF	1	20	TELECOM (FUTURE)	10
11									0								12
								PHASE A	PHASE B								
								8325	7200	VA							
										TOTAL	KVA	15.53					
										AMPS	64.69	≤ 80% OF MAIN BREAKER					

PROPOSED PANEL SCHEDULE AND CALCS

NO SCALE

3

COX

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PROJECT NO.199064.4004

DRAWN BYSRB

CHECKED BYLEW

306/07/19CITY COMMENTS

202/13/19CITY COMMENTS

101/07/18ISSUED FOR CONSTRUCTION

011/14/18ISSUED FOR CONSTRUCTION

REVDATEDESCRIPTION

DAVID C. HINTON

PROFESSIONAL ENGINEER

NO. 025351

6/12/19

SITE ADDRESS

33TM0202SMC
VG0034BA_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE

ELECTRICAL SINGLE LINE DIAGRAMS

SHEET NUMBER

E-213

1. FOR CONDUIT SIZE AND WIRING REQUIREMENTS FOR STREETLIGHT SERVICE, SEE STANDARD DRAWING NO. 332.S2 FOR LAS VEGAS AND CLARK COUNTY ONLY AND 332.S1 FOR ALL OTHER ENTITIES.
2. SEE STANDARD DRAWING NO. 321, 332.S1, OR 332.S2.



NO SCALE

1

1. 125 AMP SERVICE: 1 #4 WHITE THW
200 AMP SERVICE: 1 #1/0 WHITE THW



NO SCALE

2



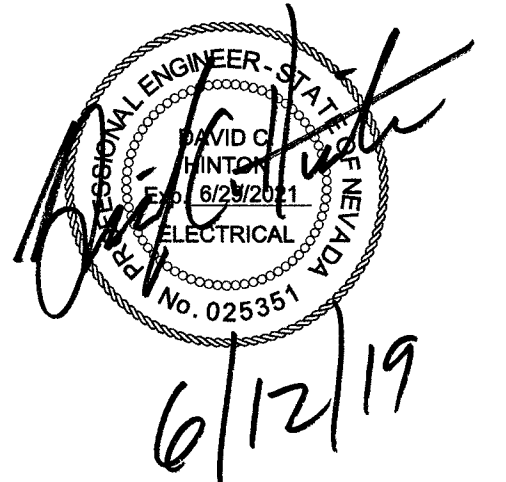
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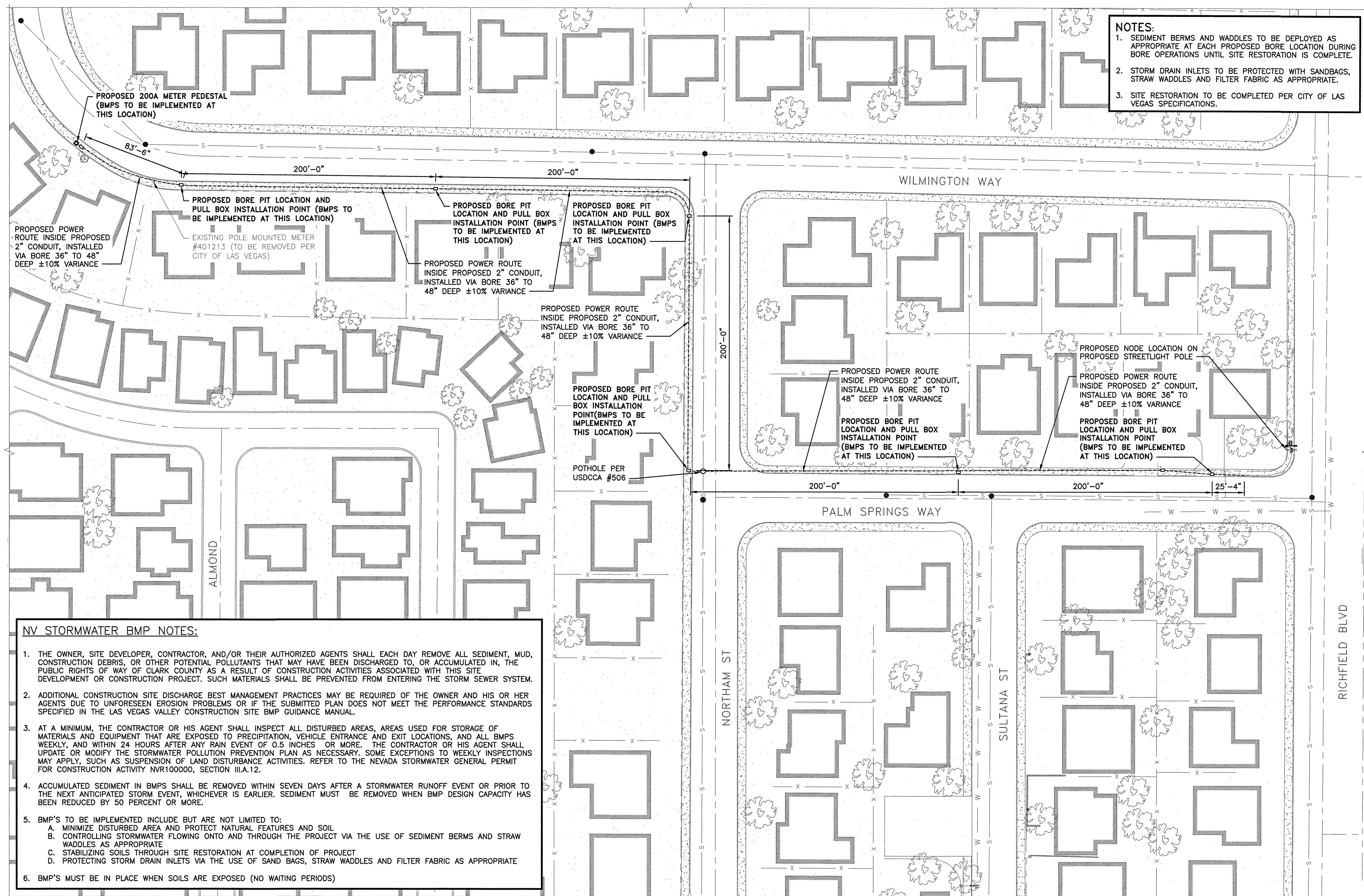
SHEET TITLE

GROUNDING DIAGRAMS

SHEET NUMBER

G-1

14



- NOTES:**
- 1. SEDIMENT BERMS AND WADDLES TO BE DEPLOYED AS APPROPRIATE AT EACH PROPOSED BORE LOCATION DURING BORE OPERATIONS UNTIL SITE RESTORATION IS COMPLETE.
 - 2. STORM DRAIN INLETS TO BE PROTECTED WITH SANDBAGS, STRAW WADDLES AND FILTER FABRIC AS APPROPRIATE.
 - 3. SITE RESTORATION TO BE COMPLETED PER CITY OF LAS VEGAS SPECIFICATIONS.

NV STORMWATER BMP NOTES:

- 1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- 2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- 3. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
- 4. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
- 5. BMP'S TO BE IMPLEMENTED INCLUDE BUT ARE NOT LIMITED TO:
 - A. MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL
 - B. CONTROLLING STORMWATER FLOWING ONTO AND THROUGH THE PROJECT VIA THE USE OF SEDIMENT BERMS AND STRAW WADDLES AS APPROPRIATE
 - C. STABILIZING SOILS THROUGH SITE RESTORATION AT COMPLETION OF PROJECT
 - D. PROTECTING STORM DRAIN INLETS VIA THE USE OF SAND BAGS, STRAW WADDLES AND FILTER FABRIC AS APPROPRIATE
- 6. BMP'S MUST BE IN PLACE WHEN SOILS ARE EXPOSED (NO WAITING PERIODS)

- NOTES**
- 1. REFERENCE USDOCA DETAIL #506 FOR POTHOLING AT ALL SEWER/STORM DRAIN CROSSINGS (SEE SHEET D-4)
 - 2. POTHOLING TO BE CONDUCTED AT ALL INTERSECTIONS OF PROPOSED CONDUIT ROUTE WITH EXISTING STORM OR SANITARY SEWERS. POTHOLE LOCATIONS TO BE RESTORED PER USDOCA DETAIL #506 AS SHOWN ON D-4.



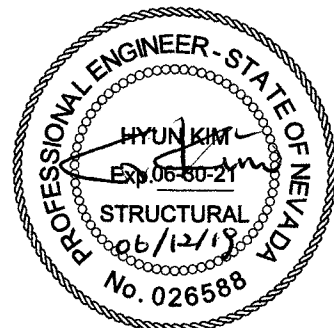
BLACK & VEATCH

BLACK & VEATCH CORPORATION
7760 FRANCE AVENUE SOUTH
SUITE 1200
BLOOMINGTON, MN 55435

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PROJECT NO.	DRAWN BY	CHECKED BY
199064.4004	SRB	LEW

REV	DATE	DESCRIPTION
3	06/07/19	CITY COMMENTS
2	02/13/19	CITY COMMENTS
1	01/07/18	ISSUED FOR CONSTRUCTION
0	11/14/18	ISSUED FOR CONSTRUCTION

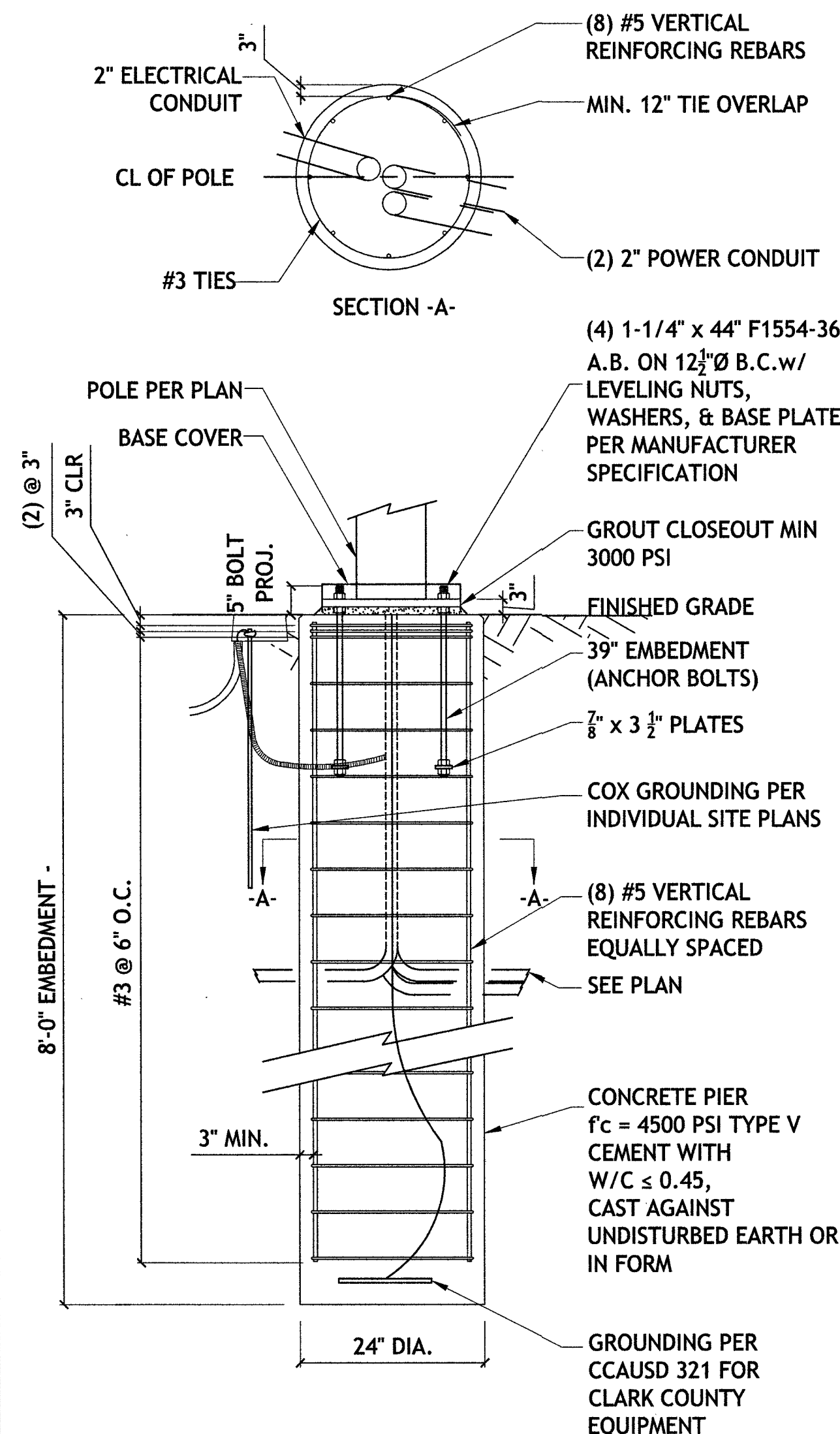
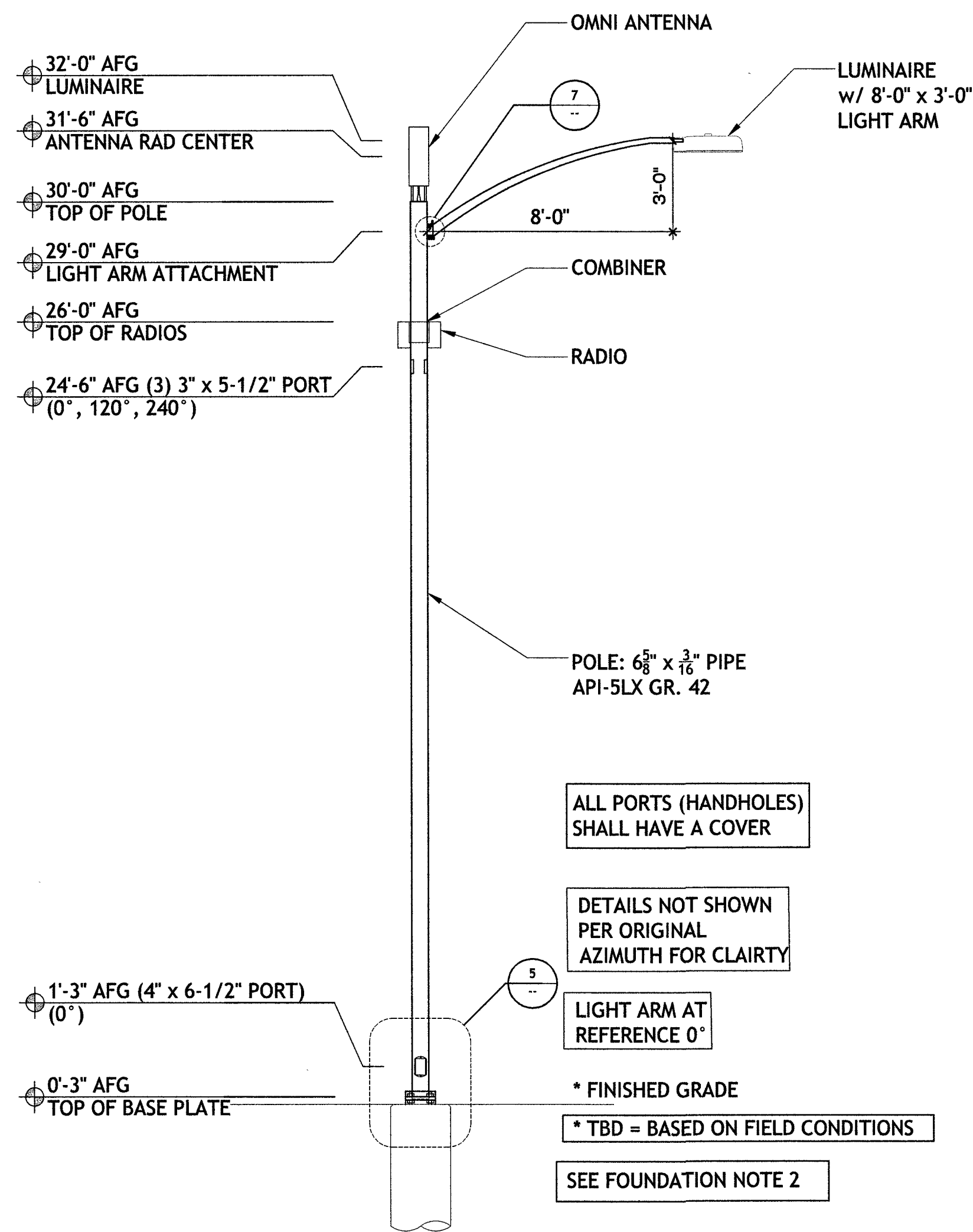


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ADDRESS
33TM0202SMC
VG00348A_51LAB
3000.25 PALM SPRINGS WAY
LAS VEGAS, NV 89102
SMALL CELL

SHEET TITLE
STORMWATER POLLUTION
PROTECTION PLAN

SHEET NUMBER
SWPPP-1



PROJECT NOTES:

1. AFTER FABRICATION THE POLE SHALL BE SANDBLASTED TO REMOVE ALL LOOSE SCALE, RUST, CORROSION PRODUCTS, GREASE, DIRT AND OTHER FOREIGN PRODUCTS. CLEAN POLE TO A MINIMUM OF "COMMERCIAL GRADE" SSPC SP-6.
2. AFTER SANDBLASTING, THE POLE SHALL BE GALVANIZED. THE GALVANIZING SHALL CONFORM WITH ASTM A123, LATEST EDITION, ZINC (HOT GALVANIZED) COATING IN PRODUCTS FABRICATED FROM ROLLED, PRESSED, AND FORGED STEELS, PLATES, BARS, AND STRIPS AND APS "GUIDELINES FOR THE GALVANIZING OF TUBULAR TRANSMISSION POLES".

GENERAL NOTES:

1. ALL STEEL SHALL MEET THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL" ASTM A36, UNLESS OTHERWISE NOTED ON THE STRUCTURAL PLANS OR BELOW.
2. ALL ROUND STEEL PIPE SHALL MEET THE REQUIREMENTS OF API 5LX-42.
3. ALL TUBE STEEL (SQUARE OR RECTANGULAR) SHALL MEET THE REQUIREMENTS OF ASTM A500 GRADE B (46 KSI YIELD POINT MATERIAL)
4. ALL WELDED CONNECTIONS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN WELDING SOCIETY AWS 01.1 CODE. ALL WELD ELECTRODES OR WIRE SHALL AT A MINIMUM CONFORM TO E70 ELECTRODES (70 KSI YIELD).
5. ALL STEEL SHAPES AND PLATES SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A123. ALL STEEL NUTS AND BOLTS AND ASSOCIATED HARDWARE SHALL BE HOT-DIPPED ACCORDING TO ASTM A153.

FOUNDATION NOTES:

1. STRUCTURAL DESIGN ACCEPTANCE IS VALID ONLY FOR POLE FOUNDATIONS INSTALLED ON LEVELED SURFACES. ANY FOUNDATION INSTALLED WITHIN (5FT) FROM A SLOPE WILL REQUIRE A SLOPE STABILITY ANALYSIS AND CALCULATIONS.
2. FOUNDATION SPECIFICATION PER CCAUSD #313, #320, #320.1, #321
3. FOUNDATION SOILS PER IBC 2018 Table 1806.2 - Material Class 5
4. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS, TYPE V CEMENT WITH W/C ≤ 0.45. ALL CONCRETE WORK SHALL CONFORM TO LATEST EDITION ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE". FOUNDATION CONSTRUCTION SHALL CONFORM TO ACI 336, "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF DRILLED PIERS.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60
6. ESTIMATED CONCRETE VOLUME: 0.93 CY
7. SPECIAL INSPECTION REQUIRED FOR :
DRILLED PIER CONSTRUCTION-CONTINUOUS
REINFORCING STEEL, ANCHOR BOLTS-PERIODIC
CONCRETE PLACEMENT-CONTINUOUS
CONCRETE STRENGTH-PERIODIC

ERECTION NOTES:

1. ALL ANTENNA COAXIAL CABLES SHALL BE RUN INSIDE THE MONOPOLE SHAFT.
2. THE CONTRACTOR SHALL INSTALL ANY ANTENNA AND MOUNT AS REQUIRED BY THE OWNER.
3. ALL ANCHOR BOLT NUTS SHALL BE TIGHTENED TO AISC SNUG TIGHT REQUIREMENTS. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.
4. ALL GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED UP WITH TWO COATS OF A COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.
5. THE ANCHOR BOLT TEMPLATES AND BASE PLATE WILL TYPICALLY HAVE AN AZIMUTH WELDED OR A NOTCH INDICATING THE CORRECT ORIENTATION OF THE ANCHOR BOLTS. THIS IS NECESSARY TO PROPERLY ORIENT THE MONOPOLE EXIT PORTS.

PROJECT INFORMATION

DATE: MAY 30, 2019
ISE JOB #: 13693 BY: PB
CUSTOMER: CEM-TEC CORPORATION
PRODUCT: 31'-6" SMALL CELL LIGHT POLE
SITE ID: COX 33TMO202SMC
LOCATION: LAS VEGAS, NEVADA

DESIGN CRITERION

2018 IBC, 105 MPH (3-SEC GUST) WIND SPEED,
ANSI/TIA-222-H, EXPOSURE C, TOPO CLASS 1,
TOWER CLASS II

DESIGN LOADS (UNFACTORED BASE WIND REACTIONS)

MOMENT = 11.444 FT-KIPS
SHEAR = 0.552 KIPS
AXIAL = 0.608 KIPS

POLE SPECIFICATIONS

POLE SECTION SHAPE: 6 5/8" x 3/16" PIPE
POLE LENGTH: 29'-9 7/8"
POLE MATERIAL: API-5LX GR. 42 (Fy = 42 KSI)
BASE PLATE: 1 1/4" x 12" SQUARE, ASTM A36
ANCHOR BOLTS: 1 1/4" Ø x 44" ASTM F1554-36

ALL OTHER STEEL SHAPES & PLATES - ASTM A36 U.N.O.

APPURTENANCES

ELEVATION (AFG)	(QTY)	DESCRIPTION
32'-0"	(1)	LUMINAIRE
31'-6"	(1)	OMNI ANTENNA
29'-0"	(1)	LIGHT ARM ATTACHMENT
26'-0"	(3)	RADIO
26'-0"	(2)	COMBINER

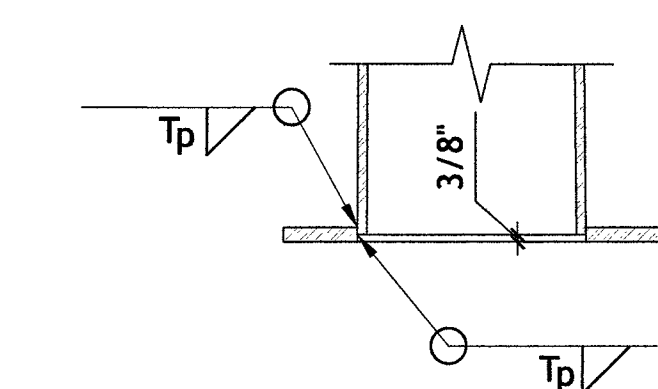
1 POLE ELEVATION

SCALE:
N.T.S.

2 PIER FOUNDATION

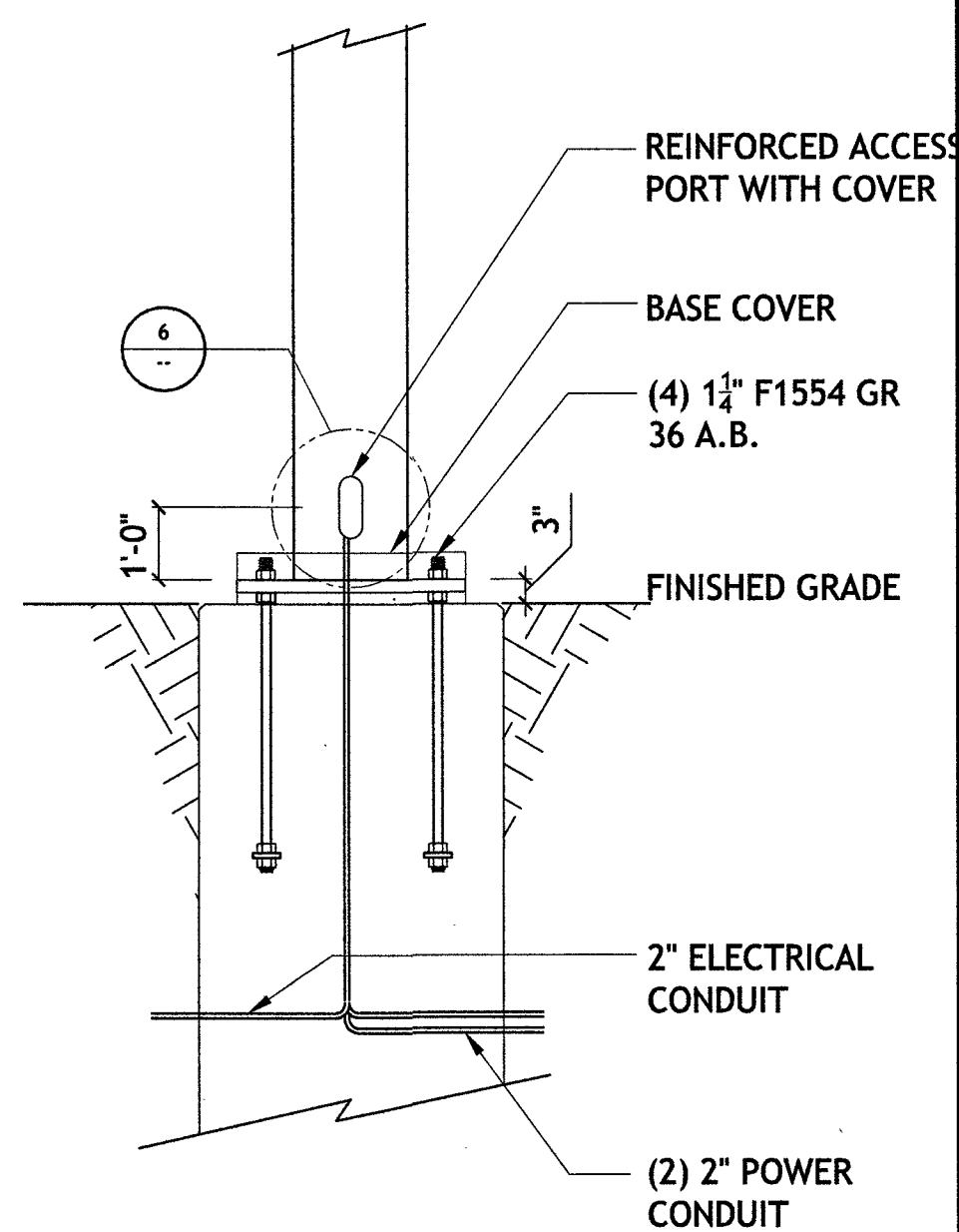
SCALE:
N.T.S.

Tp = THICKNESS OF POLE



3 POLE TO BASE PLATE WELD

SCALE:
N.T.S.



4 BASEPLATE

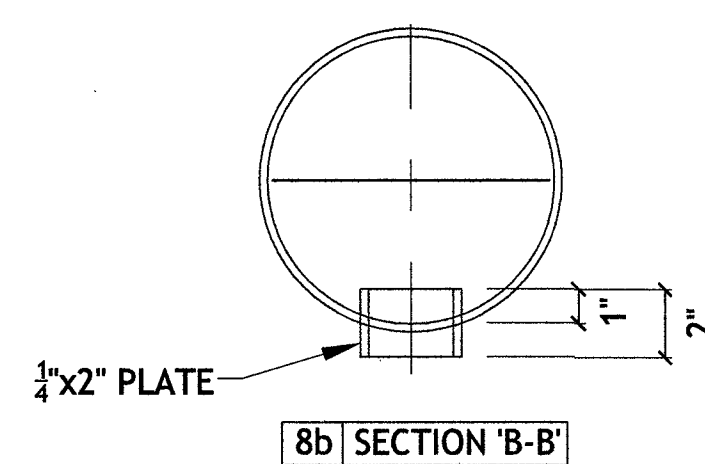
SCALE:
N.T.S.

5 BASE DETAIL

SCALE:
N.T.S.

ALL PORTS (HAND HOLES) SHALL HAVE A COVER

Tp = THICKNESS OF POLE



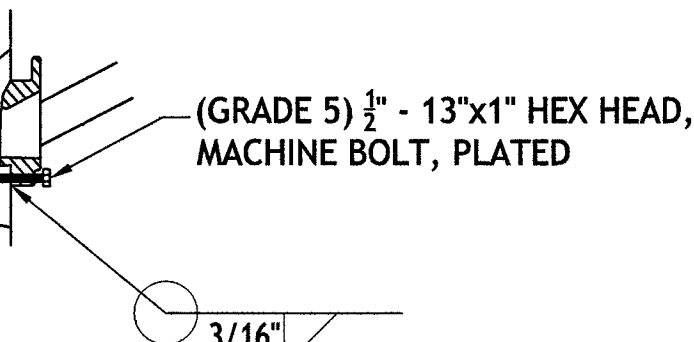
6 HAND HOLE DETAIL

SCALE:
N.T.S.

8 NOT USED

SCALE:
N.T.S.

CT 2 SIMPLEX FITTING OR EQUAL



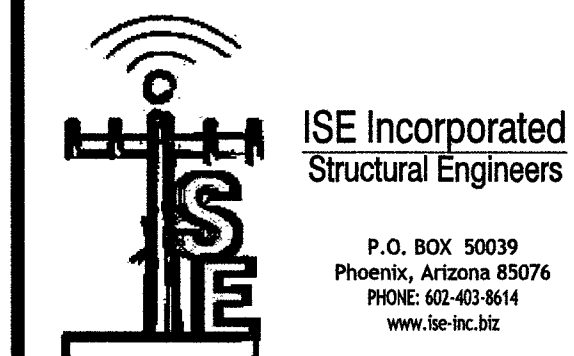
7 LIGHT ARM ATTACHMENT

SCALE:
N.T.S.

9 NOT USED

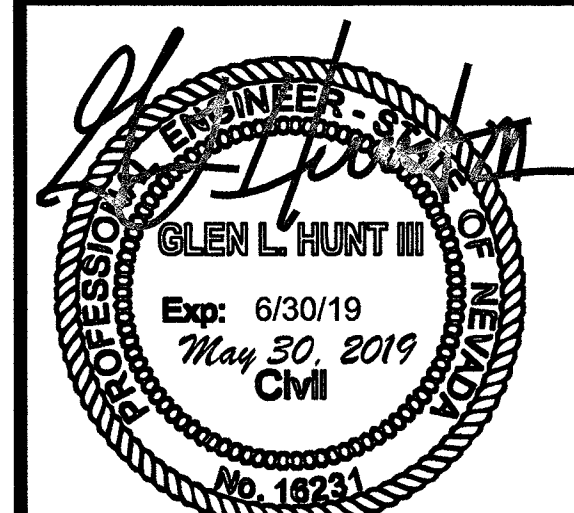


CEM-TEC CORPORATION
Steel Manufacturing Light Standards
3745 South 7th Avenue
Phoenix, Arizona 85041
(602) 268-8895 (Tel)
(602) 276-7251 (Fax)
Web: http://www.cem-tec.com



ISE JOB #: 13693

COX 33TMO202SMC
POLE DETAILS
LAS VEGAS, NEVADA



PROGRESS LOG

DATE	ISSUED TO CLIENT	BY
1 05/30/19	ISSUED TO CLIENT	PB

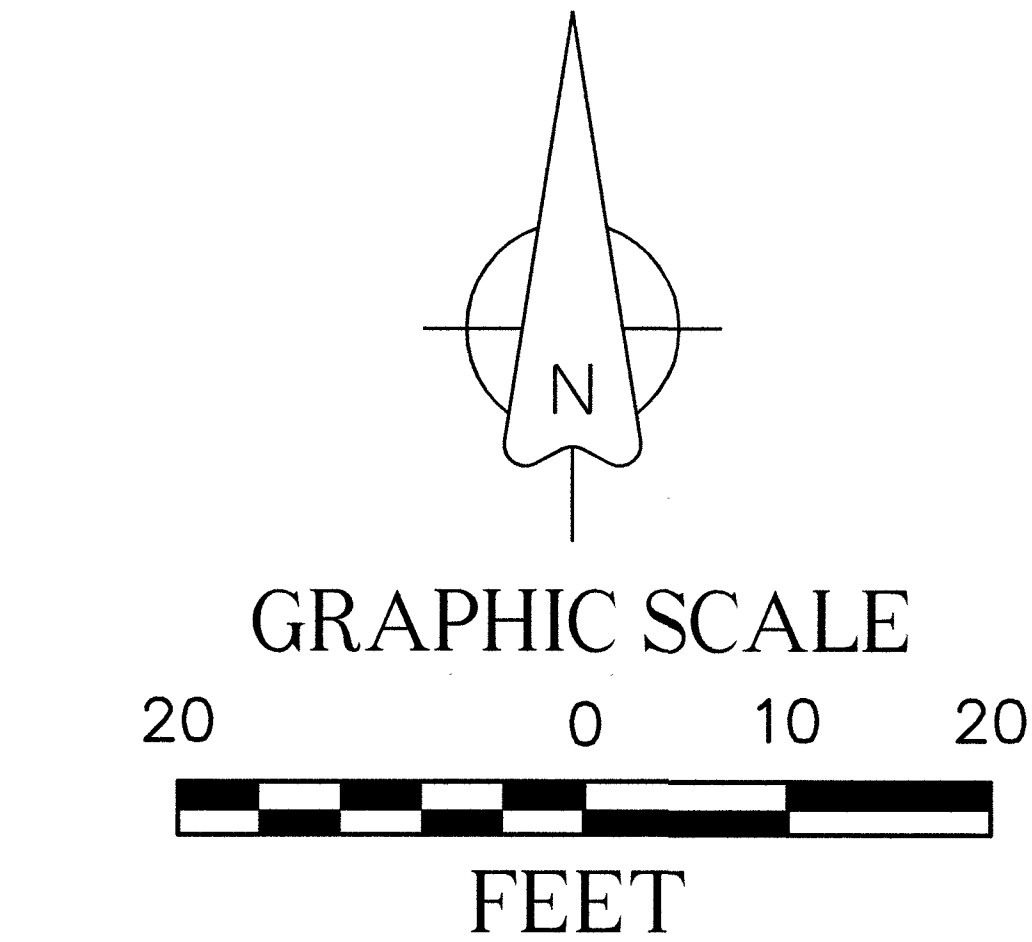
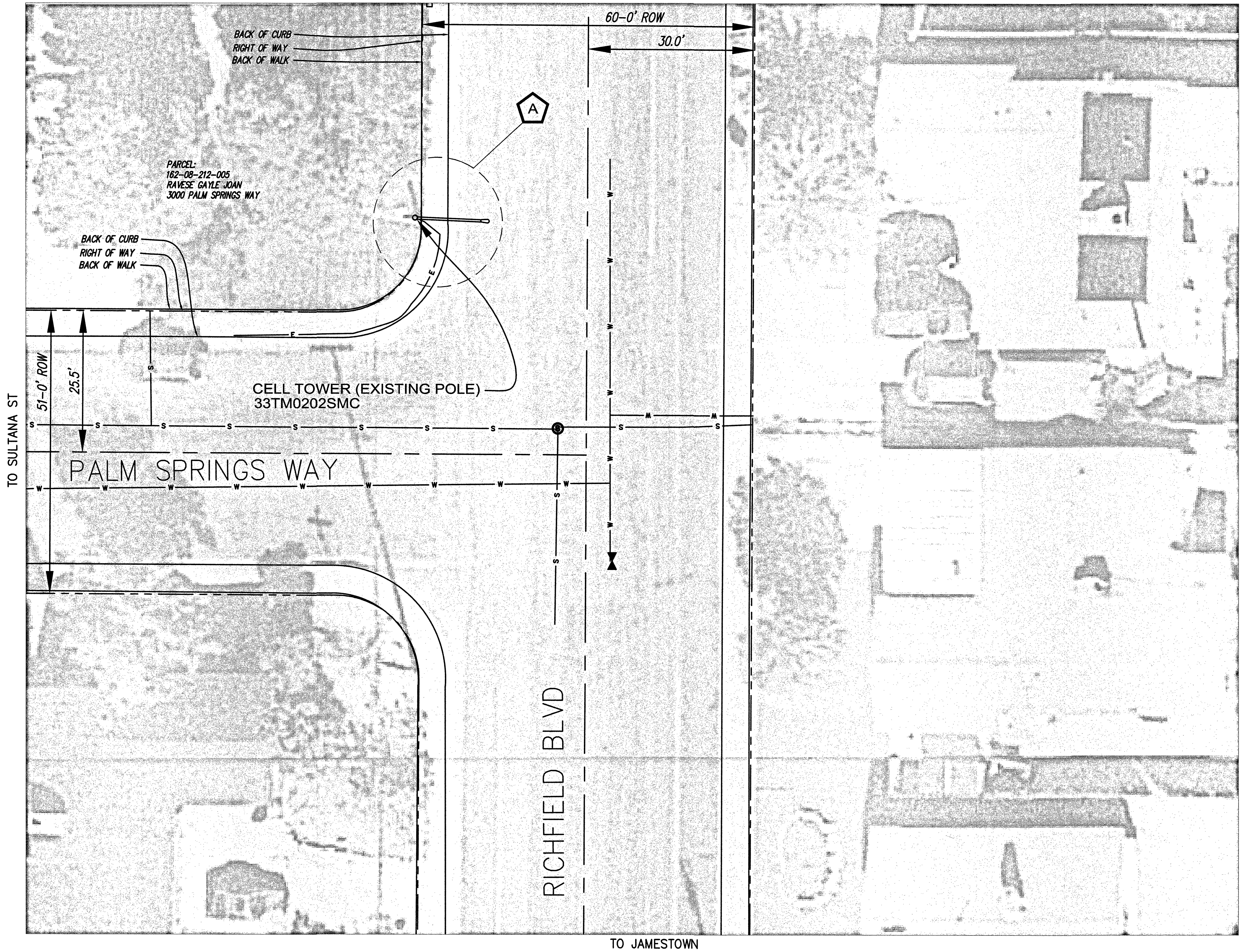
SHEET NUMBER PROGRESS

S1

0

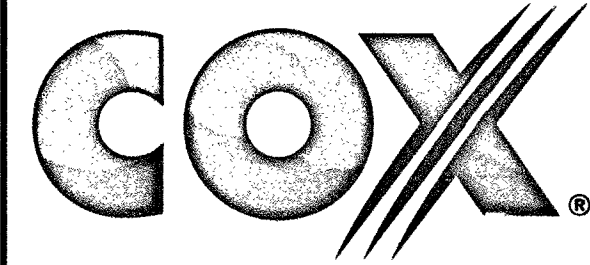
DRAWING DATE
May 30, 2019

SMALL CELL SITE SURVEY
SITE: 33TM0202SMC
SE¼NW¼, SECTION 08, TOWNSHIP 21 SOUTH, RANGE 61 EAST
TO WILMINGTON WAY



A LATITUDE: 36°08'21.38"N
LONGITUDE: 115°10'55.69"W
GROUND ELEVATION: 2,111.52'
NAVD '88

Legend	
	MONUMENT
	POLE
	DOWN GUY
	GAS VALVE
	PEDASTAL
	LAMP POST
	WATER VALVE
	FIRE HYDRANT
	WATER MANHOLE
	WATER METER
	SEWER MANHOLE
	UNKNOWN OR LABELED MANHOLE
	SANITARY SEWER MANHOLE
	STORM WATER MANHOLE
	ELECTRIC MANHOLE
	TELECOM MANHOLE
	TREE
FENCELINE	
ROW LINE	
CENTER LINE	
SEWER	S
TELEPHONE	T
WATER	W
ELECTRIC	E
GAS LINE	G
OVERHEAD ELEC	
FENCE BARB	X
PROPERTY LINE	



6205-B Peachtree Dunwoody Road NE
Atlanta, GA 30328

SITE ADDRESS:
3000.25 Palm Springs Way
LAS VEGAS, NV.

ENGINEERS:



BLACK & VEATCH

6 SUNSET WAY
SUITE B108
HENDERSON, NV 89014

SITE NO: 33TM0202SMC

DRAWN BY: KJC

CHECKED BY: CIS

REV	DATE	DESCRIPTION
A	10/8/18	PRELIMINARY SUBMITTAL

SURVEYOR:



CIS JOB NO:
CIS 315-2-2

SHEET TITLE
**SMALL CELL
SITE SURVEY**

SHEET NUMBER
1 OF 1



CITY OF LAS VEGAS

TRAFFIC ENGINEERING
FIELD OPERATIONS
3001 RONEMUS DRIVE
LAS VEGAS, NV 89128
PHONE: (702) 229-6331

SMALL CELL SITE SURVEY

- THIS FORM IDENTIFIES THE POTENTIAL POWER SUPPLY SOURCE FOR A PROPOSED SMALL CELL SITE
- THIS ONLY REPRESENTS THE CONDITIONS AT TIME OF SITE SURVEY
- FIELD CONDITIONS MAY CHANGE FROM THE TIME OF THE SITE SURVEY UNTIL THE START OF CONSTRUCTION

CONTRACTOR'S NAME: Cox WIRELESS USE AGREEMENT _____
WIRELESS SERVICE PROVIDER: _____ CONTACT NAME: _____
OFFICE: _____ MOBILE: _____ FAX: _____
POLE LOCATION & ID: 3000 Palm Springs Way SL#23529
CIRCLE ONE: NEW POLE / EXISTING POLE

PROPOSED SERVICE INFORMATION

Service Location	3207 Wilmington Way		ID# 401213	
Existing Meter #	CC030076456			
Existing Service Size	<u>60 Amp</u>	100 Amp	125 Amp	200 Amp
Street Light Circuit				
Service Type	Pedestal		<u>Role Mount</u>	
Current Application	Traffic Signal	<u>St. Lighting</u>	Both	
Existing Load			Amps	
Field Tested By:	B. Bradway		Date:	10/11/18
Notes: No Main/ No Spares/ Multiple cell sites on service. Not suitable for small cell site without upgrade.				

CLV REPRESENTATIVE

- TO BE COMPLETED BY TEFO STAFF

CLV FIELD REVIEWER'S NAME: B. Bradway FIELD REVIEW DATE: 10/11/2018
SENIOR/SUPVVISOR REVIEW SIGNATURE: [Signature] DATE REVIEWED BY SENIOR TECH: _____

BACKUP DOCUMENTATION

- DRAWINGS, PHOTOS, ETC

FILE NAME: _____ CREATION DATE: _____
FILE NAME: _____ CREATION DATE: _____
FILE NAME: _____ CREATION DATE: _____
Service Size _____ CREATION DATE: _____

NV POWER SERVICE ADDRESS LOAD BAY DOCUMENTATION FOR SPACE UTILIZATION