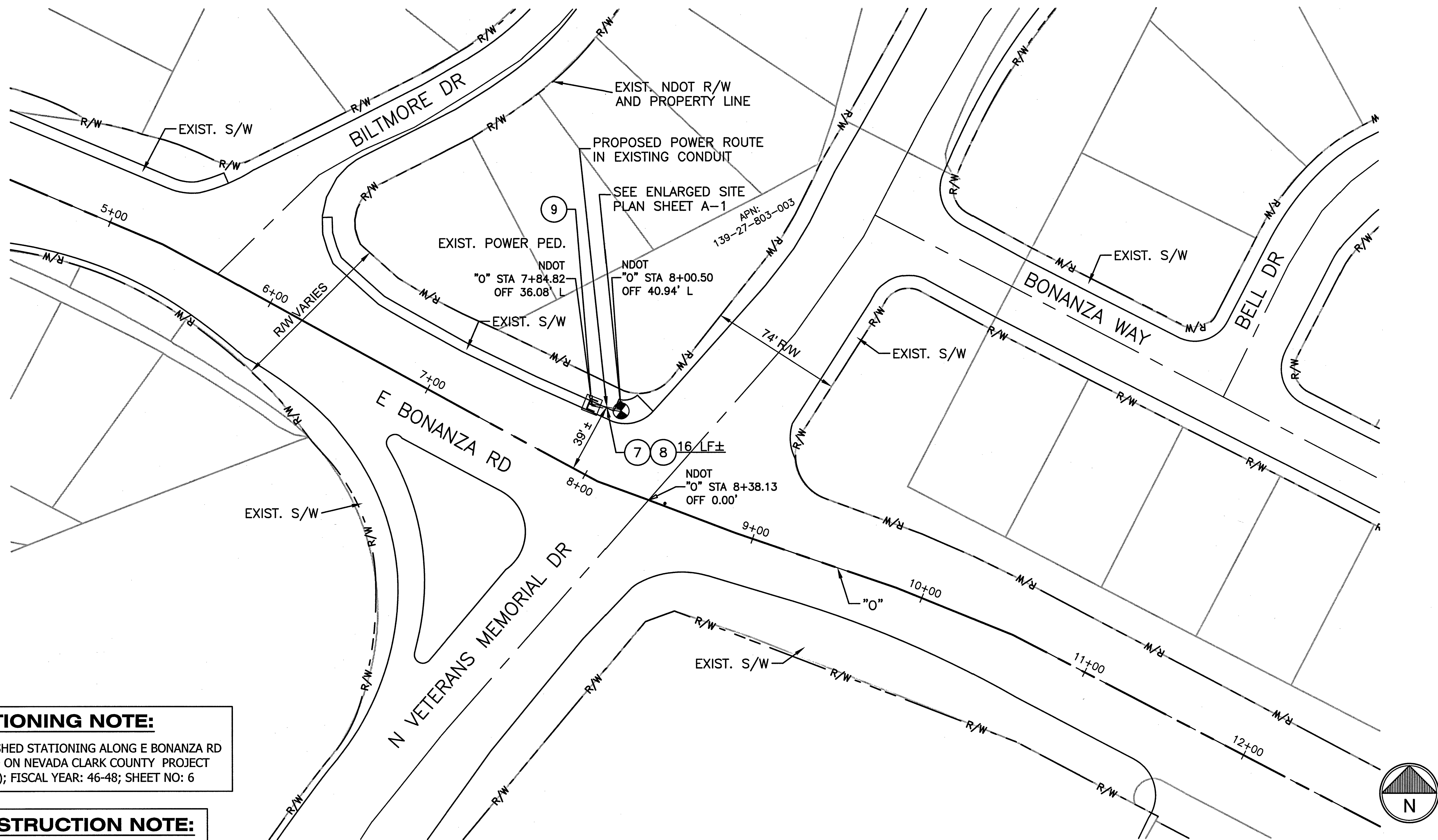


113138 - Bluestream-Cox-TMO-Vegas Small Cell_BAST.dwg - Sheet: C-63 - User: emoridan - May 04, 2018 - 8:34am



STATIONING NOTE:

ESTABLISHED STATIONING ALONG E BONANZA RD IS BASED ON NEVADA CLARK COUNTY PROJECT NO: 39(3); FISCAL YEAR: 46-48; SHEET NO: 6

CONSTRUCTION NOTE:

PROPOSED ELECTRIC TO BE INSTALLED IN EXISTING CONDUIT, NO NEW CONDUIT TO BE INSTALLED.

LEGEND:

- INDICATES EXISTING ST-LIGHT (NODE)
- INDICATES EXISTING SERVICE LOCATION
- INDICATES PROPOSED POWER SERVICE LINE
- INDICATES RIGHT-OF-WAY LINE
- INDICATES PROPERTY LINE/PARCEL LINE
- INDICATES ROAD CENTER LINE
- INDICATES EXISTING CONDUIT

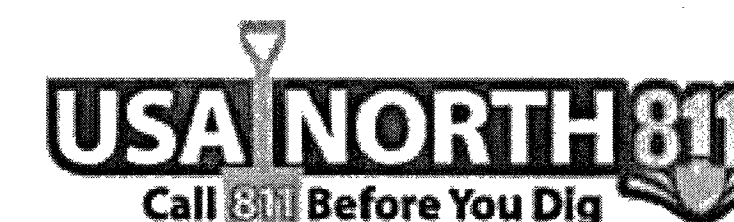
NOTE:

- CONTRACTOR SHALL COORDINATE WITH UTILITIES SERVICE PROVIDER.
- ROAD CENTER LINES WERE OBTAINED FROM CLARK COUNTY GIS DATA BASE AND ARE APPROXIMATE.
- RIGHT-OF-WAY LINES AND PROPERTY LINES WERE OBTAINED FROM THE CLARK COUNTY ASSESSORS GIS DATABASE AND ARE APPROXIMATE.

1 OVERALL SITE PLAN

KEY NOTES:

- EXISTING CITY OF LAS VEGAS STREET LIGHT CONDUIT, EXACT LOCATION TO BE FIELD VERIFIED.
- PROPOSED POWER ROUTE, CONDUCTOR TO BE PULLED THROUGH EXISTING CONDUIT (NO TRENCHING OR BORING REQUIRED).
- CONNECT TO EXISTING CITY OF LAS VEGAS POWER PEDESTAL

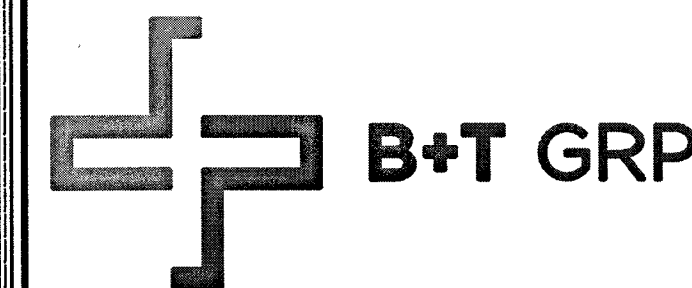


SCALE VERIFICATION

0 BAR IS ONE INCH ON ORIGINAL DRAWING. 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

SCALE: 1" = 60'



VG0001BA_41LAB
33TM0063SMC
241.25 E BONANZA RD
LAS VEGAS, NV 89101

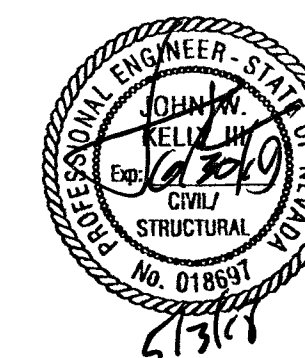
PROJECT NO: 113296.003

CHECKED BY: MEH

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	12/15/17	BDH	CONSTRUCTION
1	1/10/18	DKD	CONSTRUCTION
2	2/19/18	GEH	CONSTRUCTION
3	3/8/18	DKD	CONSTRUCTION
4	5/3/18	EAM	CONSTRUCTION

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12685
Expires 12/31/18



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SHEET NUMBER: REVISION:

C-1

4

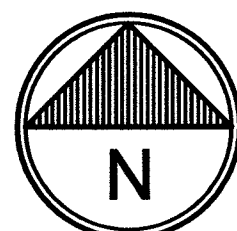
SHEET 2 OF 11



1 PHOTO ELEVATION
SCALE: N.T.S.



2 AERIAL SITE LOCATION
SCALE: N.T.S.

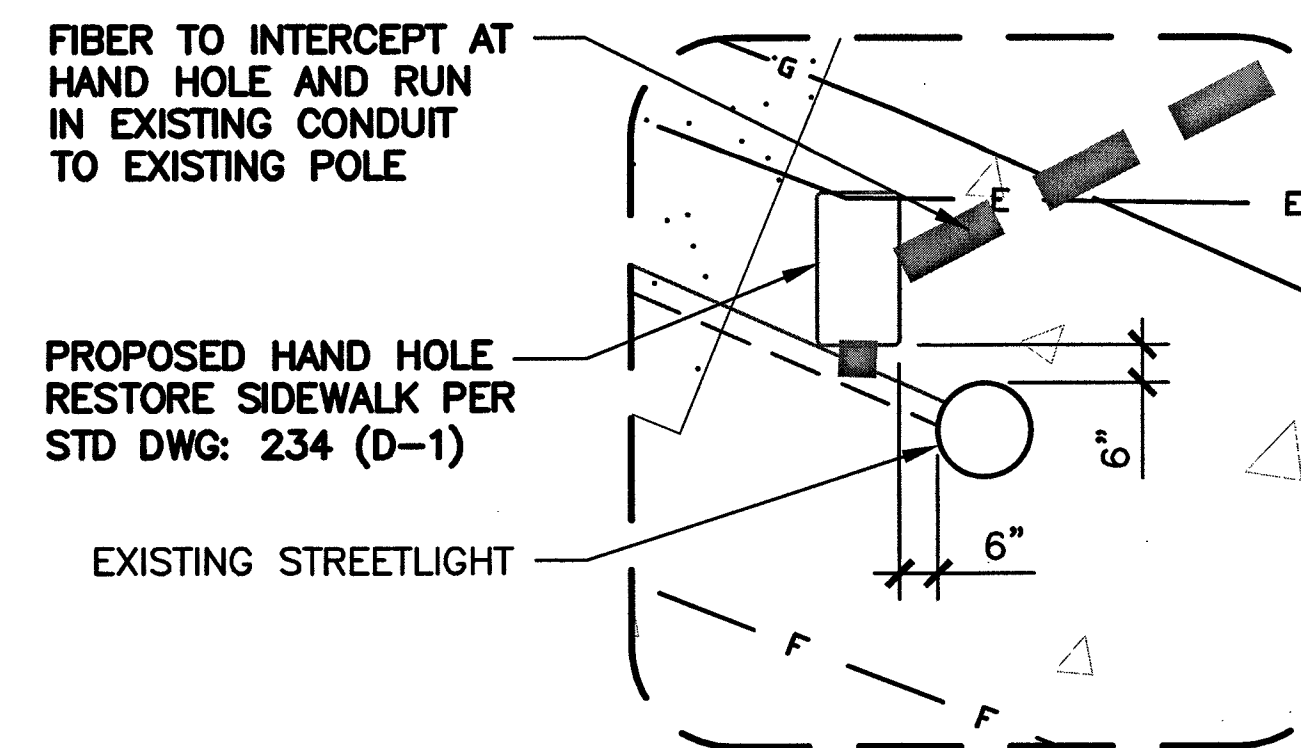


NOTE:
THIS SITE PLAN WAS GENERATED WITH THE USE OF A SURVEY. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.

NOTE:
THE EXISTING IMPROVEMENTS SHOWN HEREIN ARE BASED ON ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS PERFORMED ON MAY 31, 2017

LEGEND:
ROAD/EDGE OF PAVEMENT
CENTERLINE OF R.O.W.
RIGHT OF WAY
PROPERTY LINE

NDOT COLOR LEGEND:
BLUE: EXISTING
GREEN: REMOVE & REPLACE
RED: PROPOSED

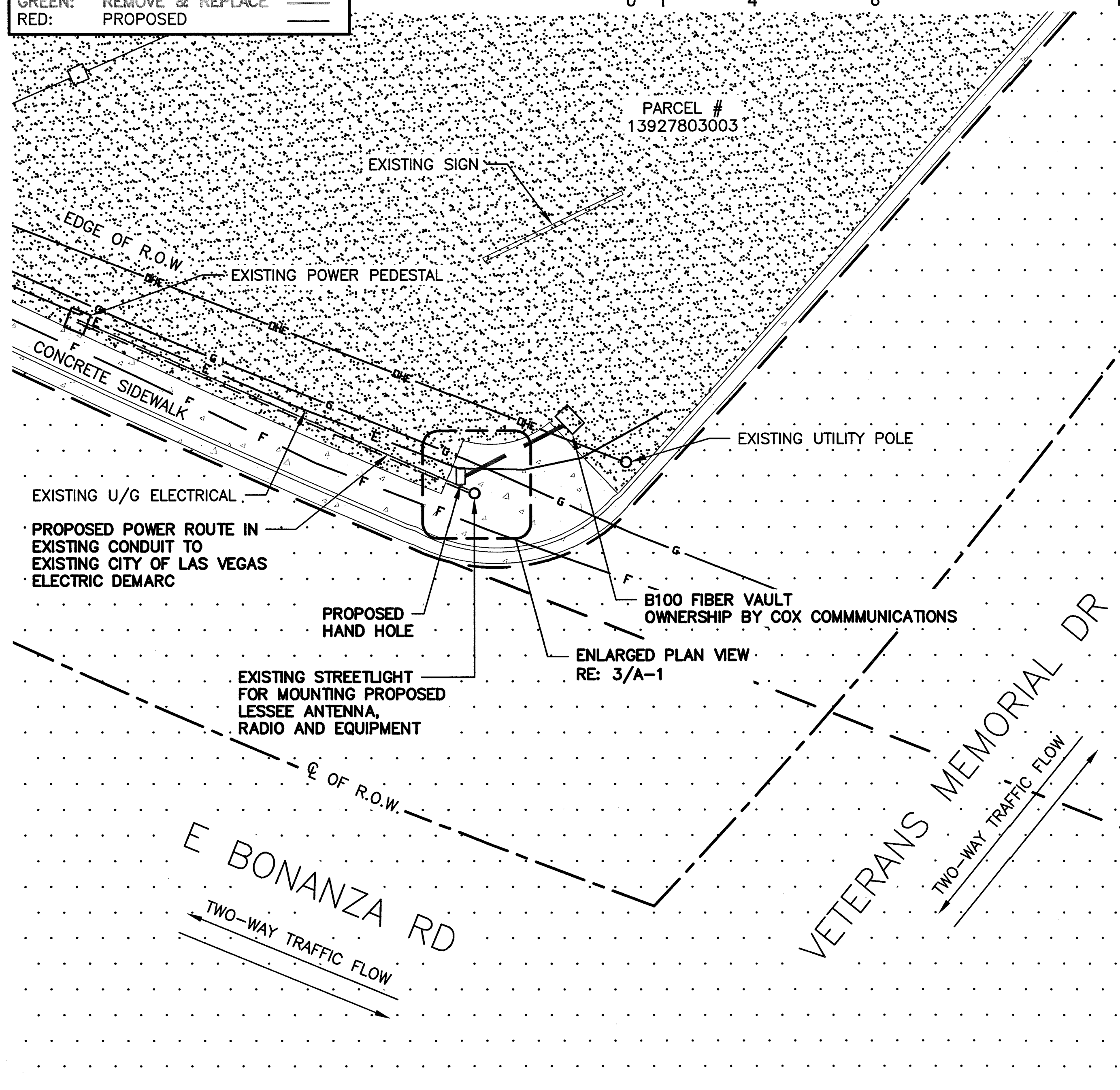


PROPOSED HAND HOLE
RESTORE SIDEWALK PER
STD DWG: 234 (D-1)

EXISTING STREETLIGHT

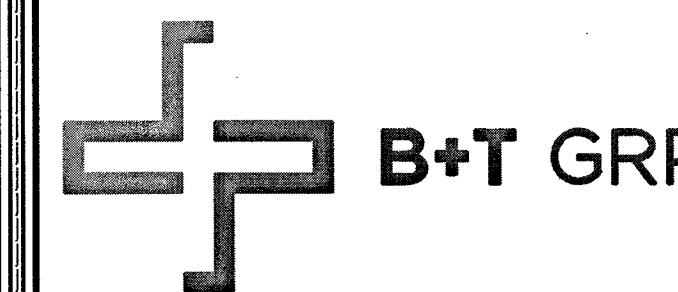
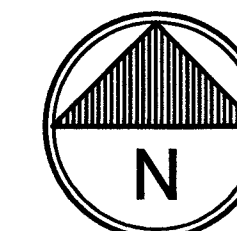
3 HAND HOLE PLACEMENT

SCALE: 0' 1' 4' 8' 16'



4 ENLARGED SITE PLAN

SCALE: 0' 10' 20' 30' 40'

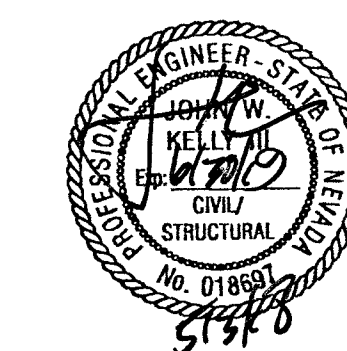


VG0001BA_41LAB
33TM0063SMC
241.25 E BONANZA RD
LAS VEGAS, NV 89101

PROJECT NO: 113296.003
CHECKED BY: MEH

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4	5/3/18	EAM	CONSTRUCTION

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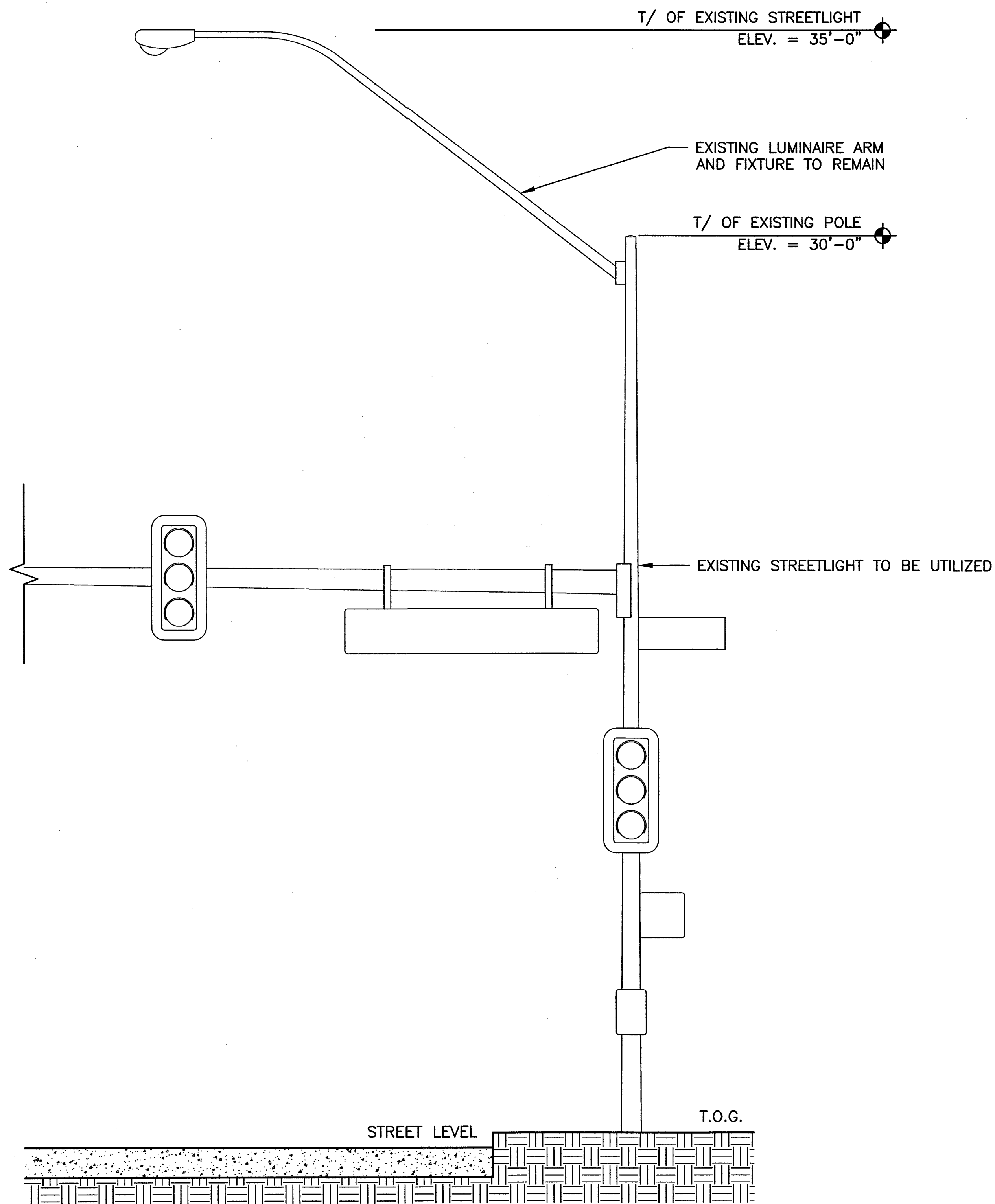
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: A-1
REVISION: 4

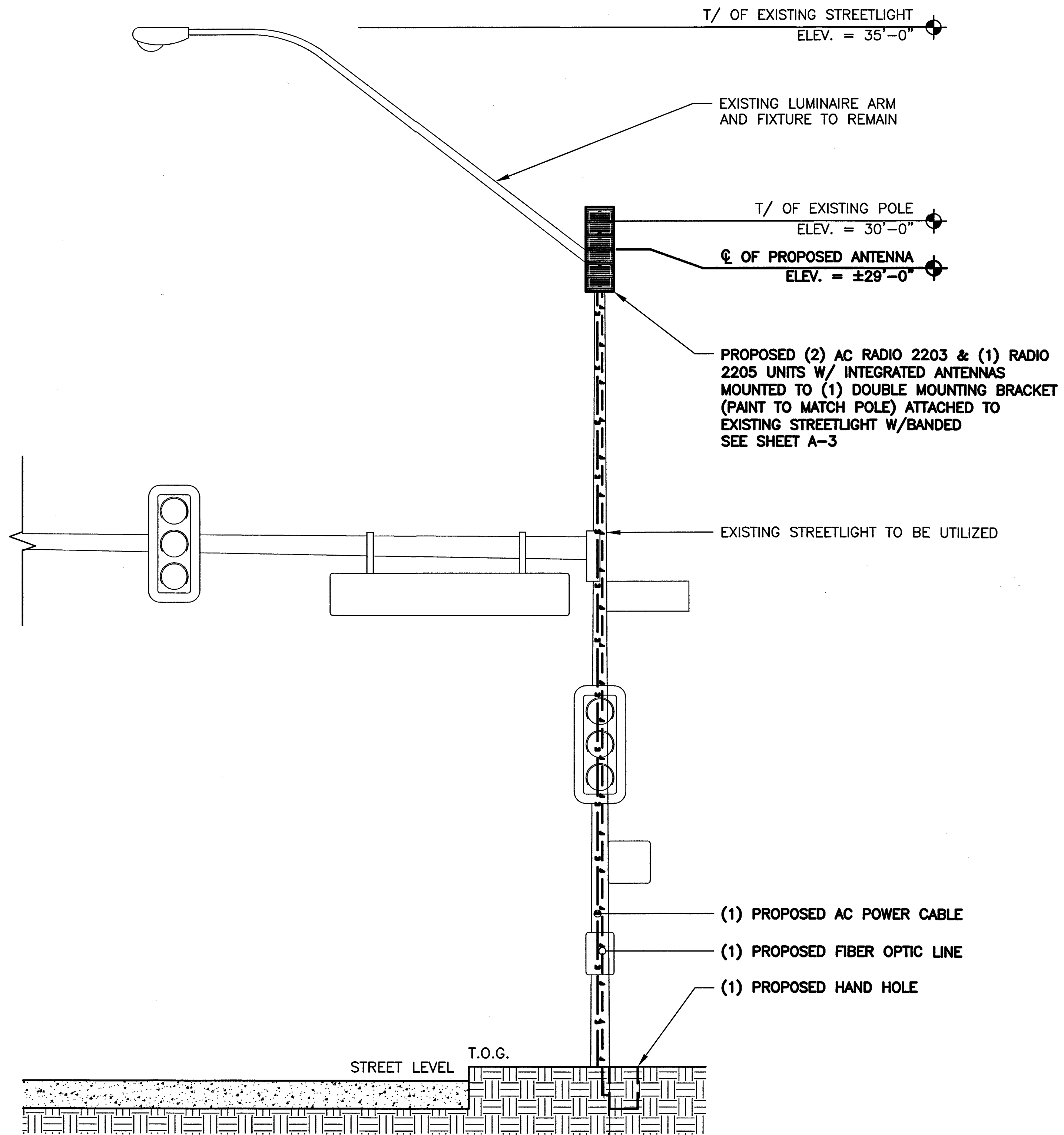
SHEET 3 OF 11

NOTE:
NEW EQUIPMENT SHOWN ON THIS PLAN HAS BEEN EVALUATED TO VERIFY THE POLE OR STRUCTURE HAS THE CAPACITY TO ADEQUATELY SUPPORT THE EQUIPMENT. PRIOR TO ANY INSTALLATION, CONTRACTOR SHALL REFER TO STRUCTURAL ANALYSIS FOR APPROVAL OF ADDITIONAL NEW APPURTENANCES.

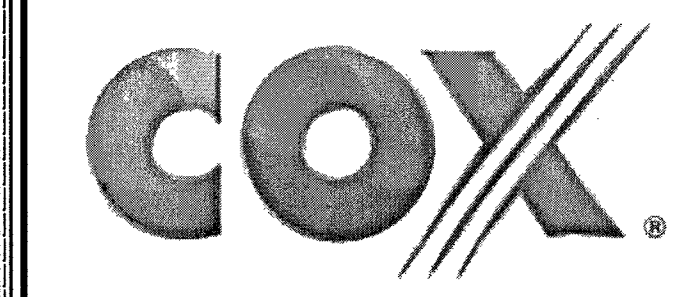
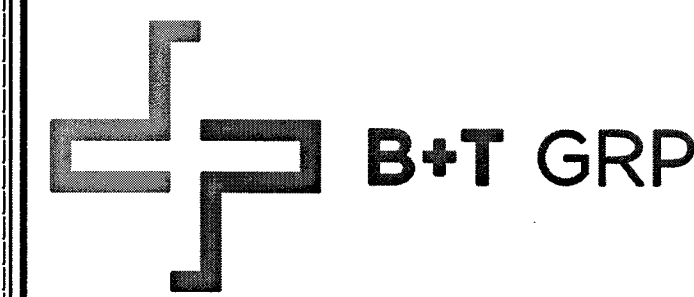
SITE NOTES:
1. ALL PROPOSED EQUIPMENT WILL BE PAINTED TO MATCH POLE, PER JURISDICTIONAL REQUIREMENT.



1 EXISTING POLE ELEVATION
SCALE: 0' 1' 4' 8' 16'



2 FINAL POLE ELEVATION
SCALE: 0' 1' 4' 8' 16'

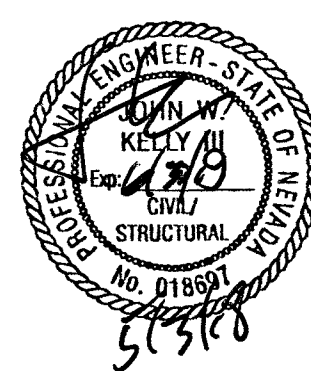


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LAS VEGAS, NV 89101

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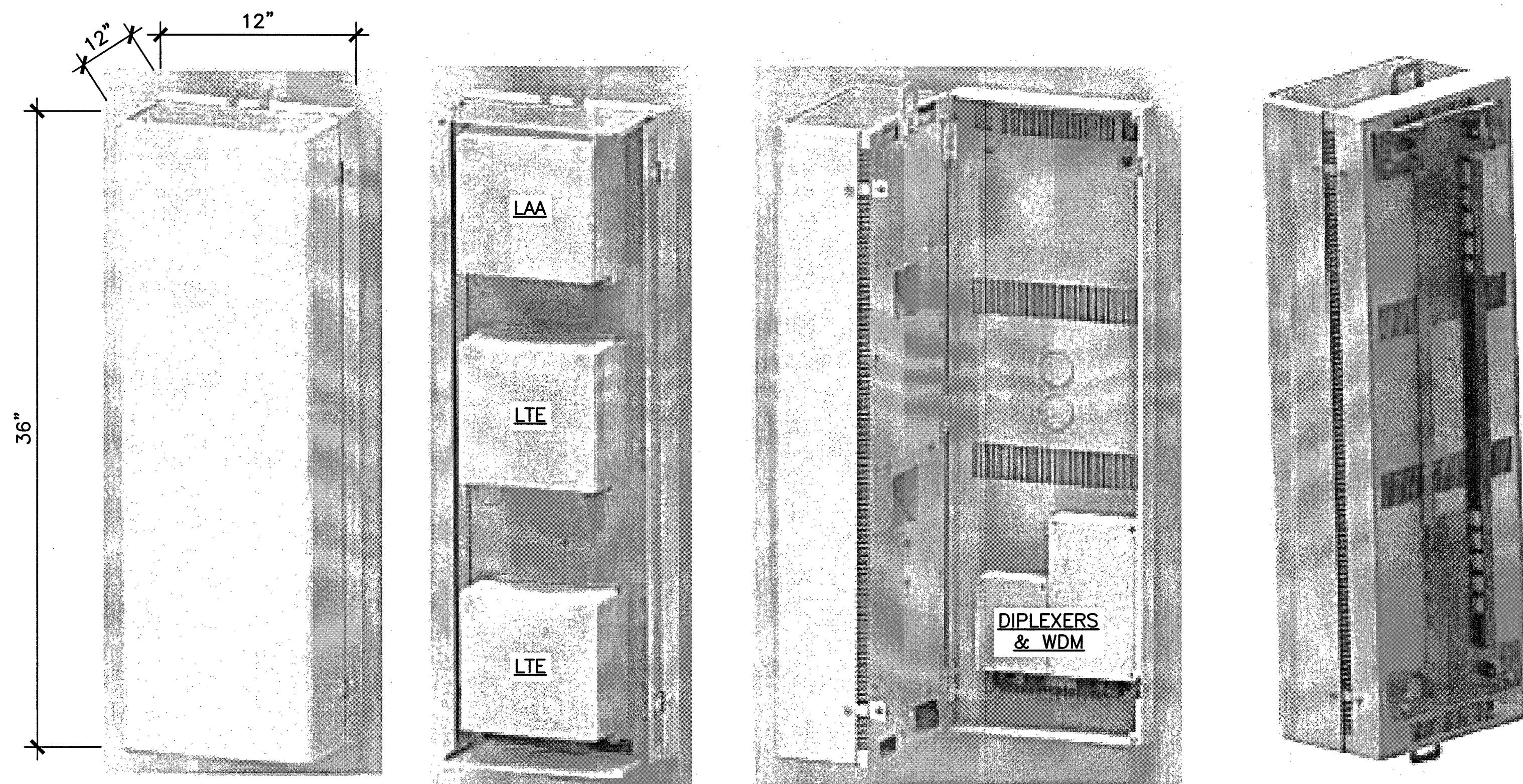
ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
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4	5/3/18	EAM	CONSTRUCTION

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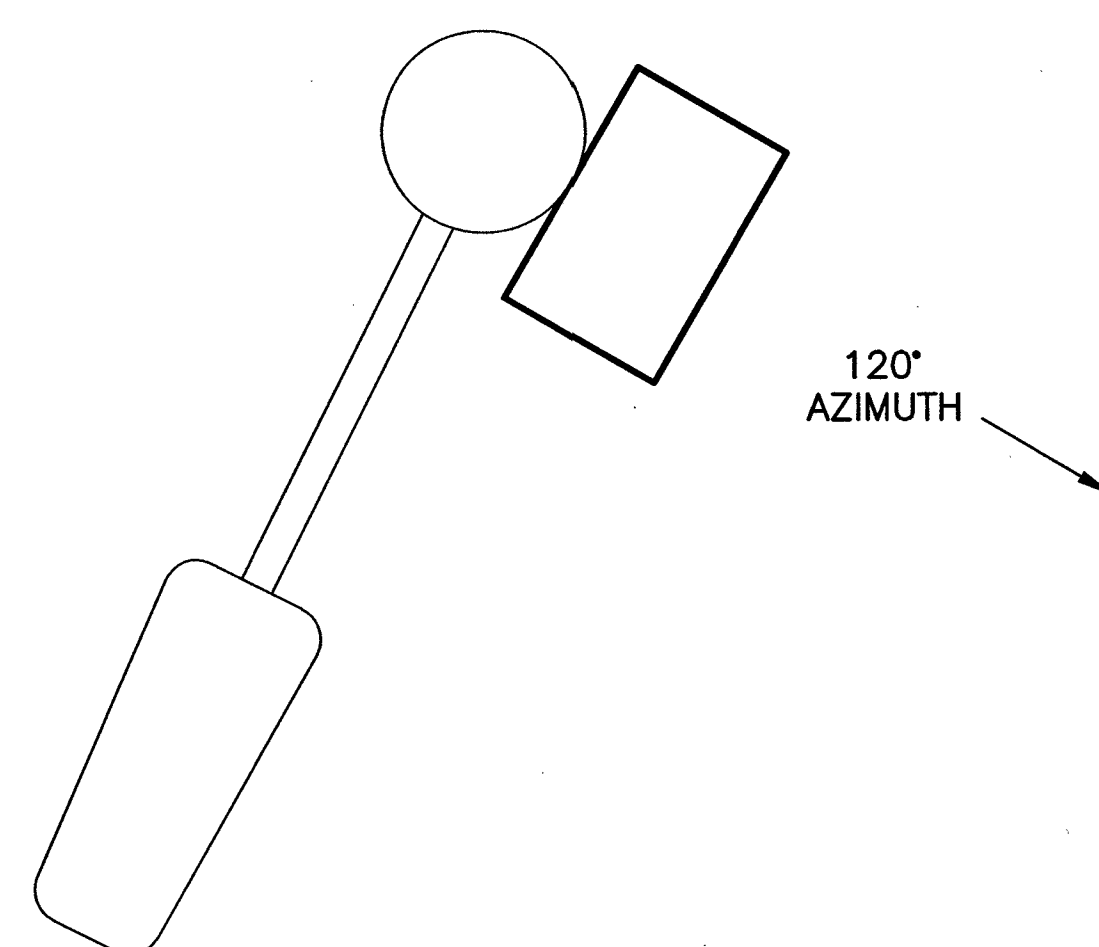
SHEET NUMBER: A-2
SHEET 4 OF 11
REVISION: 4



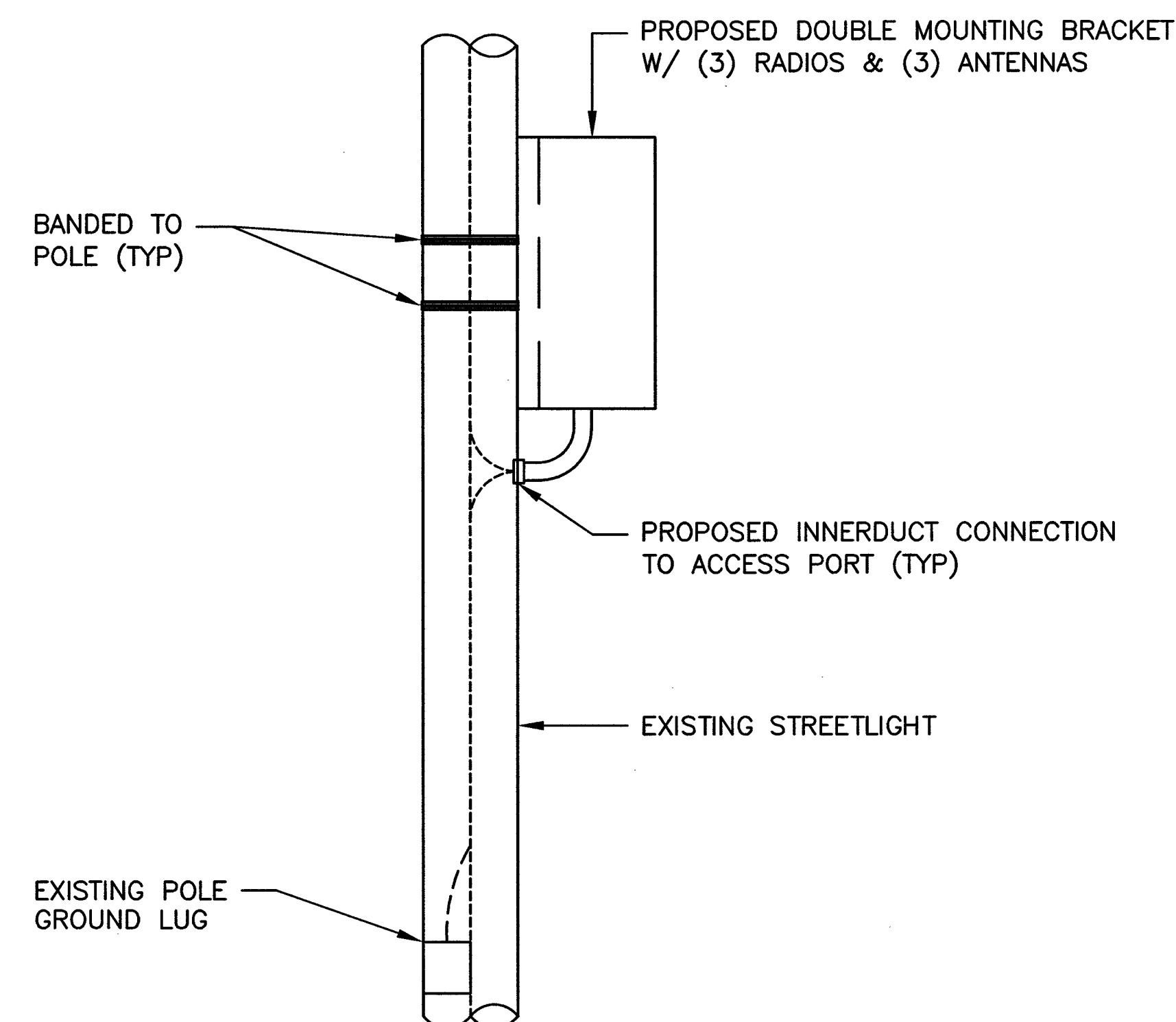
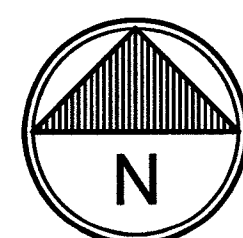
1 ANTENNA & RADIO MOUNT DETAIL
SCALE: N.T.S.

- ☐ Standard 3 radio (small cells) site solution
- ☐ Tech/Band support : LTE (B66 & B2) & LAA (B46)
- ☐ RRH Configuration (3 radios) : 2 x 2203 radio + 1x 2205 radio
- ☐ 2X2 MIMO support for LTE & LAA
- ☐ Integrated or External antenna option
 - Diplexers for external antenna for LTE
 - LAA radio connects directly to external antenna ports (no diplexing)
 - RF Transparent cover for integrated Panel antenna configuration
 - Integrated Omni antenna option is NOT available
- ☐ Passive Wave Division Multiplexing (WDM) to leverage single pair of dark fiber
- ☐ Form factor and weight : approx. 3cu ft (LxWxD : 36x12x12 in), approx. 90lbs
- ☐ Passively Cooled. No external fans
- ☐ No Power distribution unit inside the shroud
- ☐ Light pole or Utility pole mounting brackets

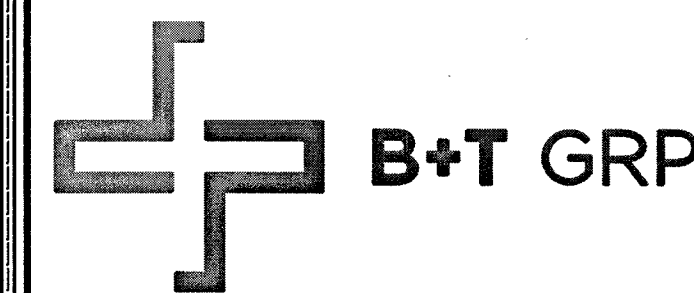
2 ERICSSON SMALL CELL SITE SOLUTION - 3 UNIT "FACE OUT"
SCALE: N.T.S.



3 ANTENNA PLAN VIEW
SCALE: N.T.S.



4 EQUIPMENT PLACEMENT DETAIL
SCALE: N.T.S.

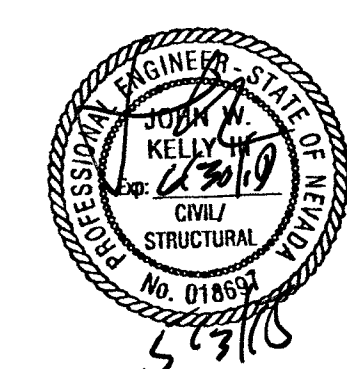


VG0001BA_41LAB
33TM0063SMC
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LAS VEGAS, NV 89101

PROJECT NO: 113296.003
CHECKED BY: MEH

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SHEET NUMBER: A-3
REVISION: 4
SHEET 5 OF 11



2
E-1

ELEVATION
SCALE: N.T.S.

THE CONTRACTOR MUST FIELD VERIFY
ALL MEASUREMENTS AND FIELD
CONDITIONS PRIOR TO THE
COMMENCEMENT OF CONSTRUCTION.

REplot
L18-00352-R001
107V7291-CBL



PLANS PREPARED BY:



Kimley»»Horn

655 NORTH FRANKLIN STREET, SUITE 150
TAMPA, FL 33602
PHONE (813) 620-1460
WWW.KIMLEY-HORN.COM

REV: DATE: DESCRIPTION: BY:

0	07/09/18	ISSUED FOR REVIEW	XQD

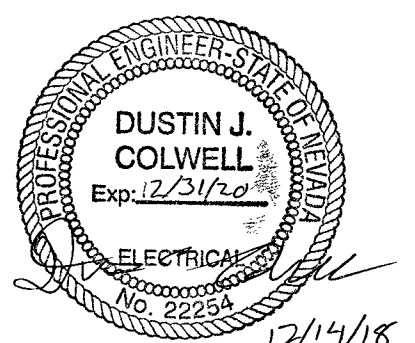
DRAWN BY: _____ CHECKED BY: _____

XQD	AWD
-----	-----

KHA PROJECT NUMBER: _____

148497002

ENGINEER SEAL: _____



PROJECT INFORMATION:

33TM0063CMC
241.25 EAST BONANZA RD.
LAS VEGAS, NV 89101

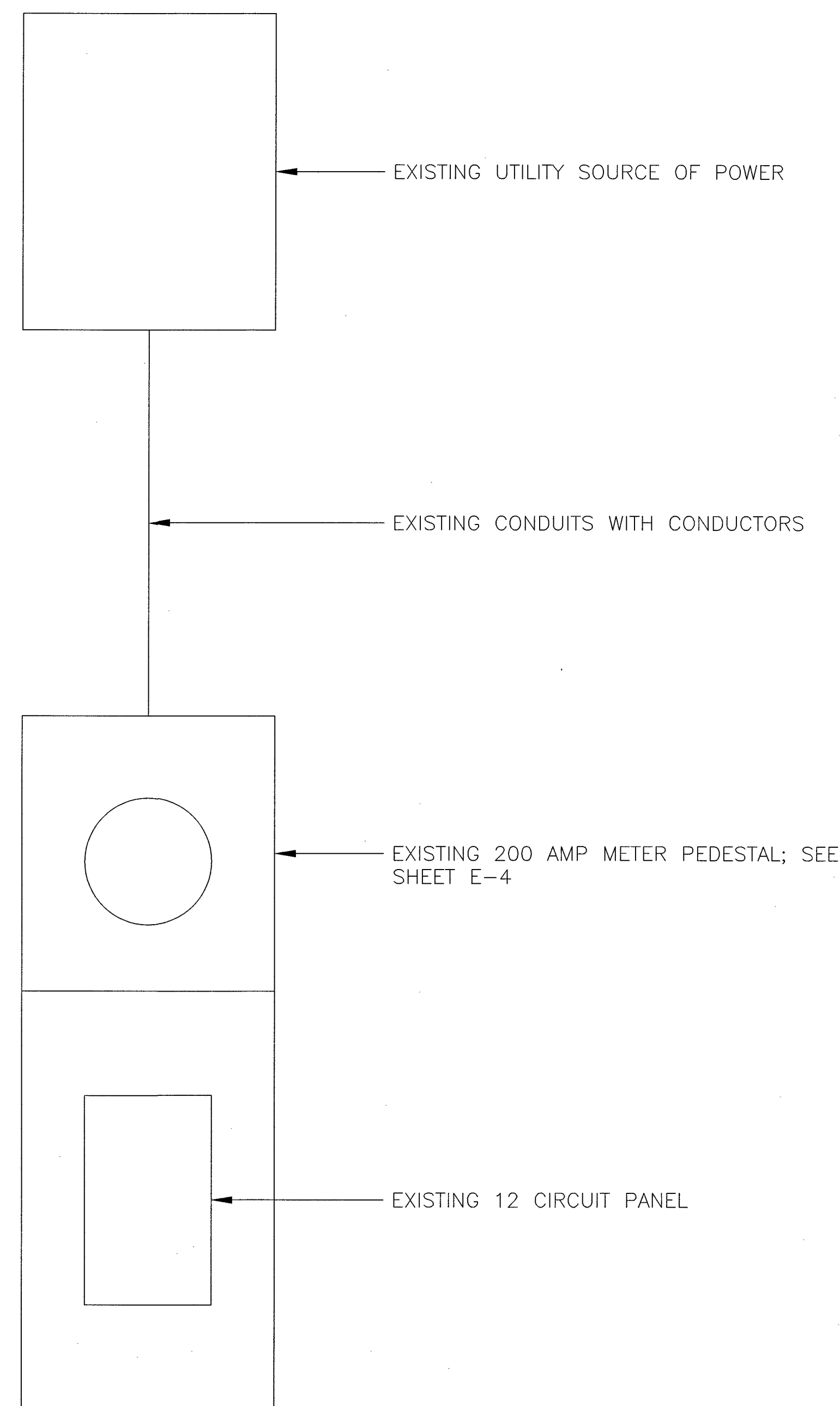
SHEET TITLE: _____

SITE PLAN & ELEVATION

SHEET NUMBER: _____

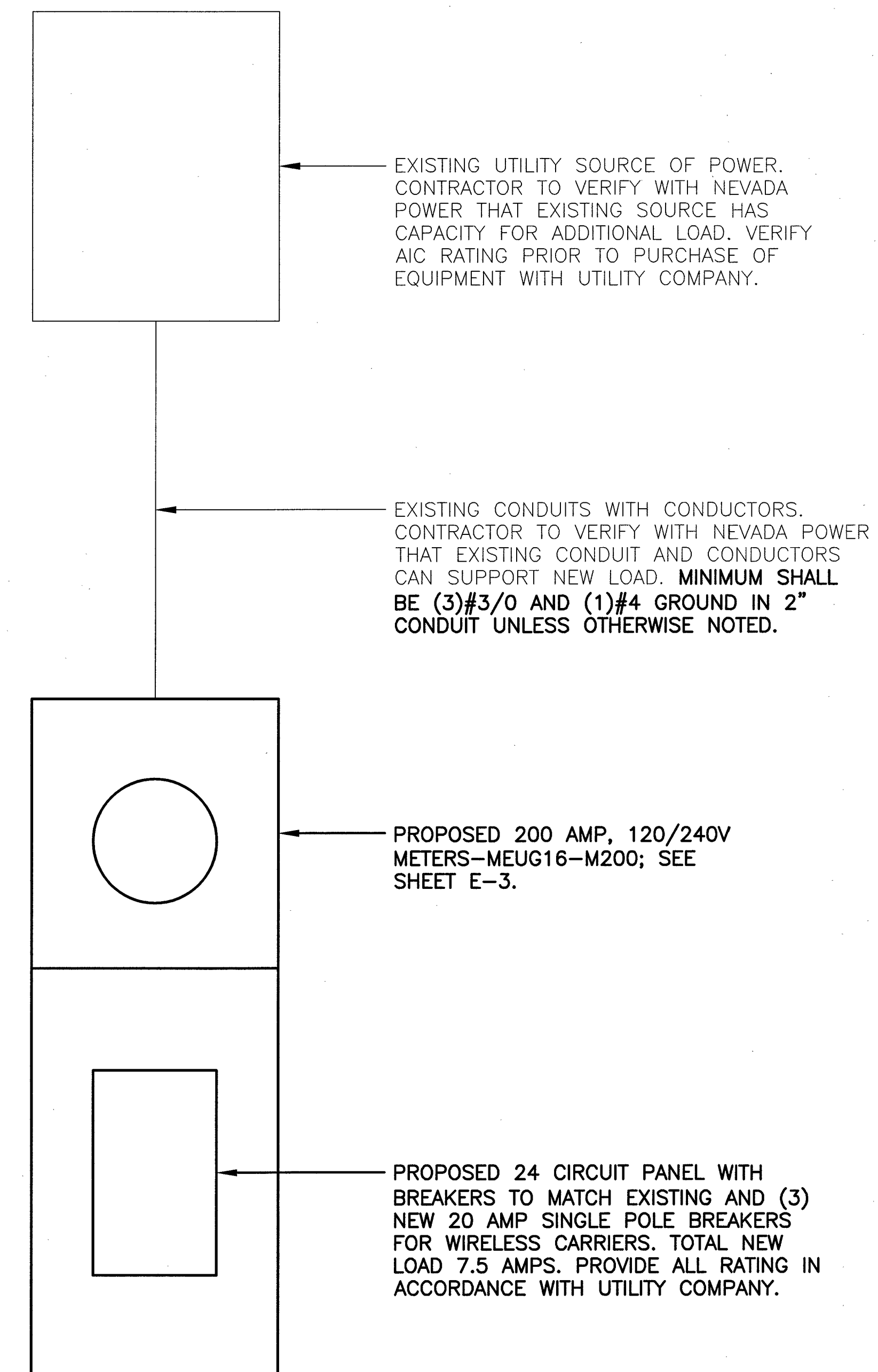
E-1

118-00352-R001	12/20/18
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EXISTING ELECTRICAL LOAD STUDY
EXISTING LOAD = 84.5 AMPS

1 EXISTING SINGLE LINE DIAGRAM



PROPOSED ELECTRICAL LOAD STUDY

EXISTING LOAD =	84.5 AMPS
PROPOSED LOAD =	7.5 AMPS
SAFETY FACTOR OF 125% =	115 AMPS
TOTAL LOAD =	115 AMPS

PROPOSED SINGLE LINE DIAGRAM

REPLOTT



PLANS PREPARED BY:



Kimley»»Horn

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TAMPA, FL 33602
PHONE (813) 620-1460
WWW.KIMLEY-HORN.COM

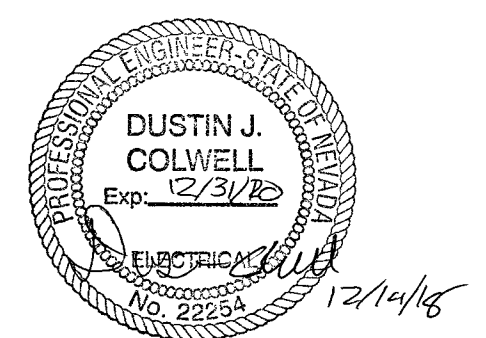
REV: DATE: DESCRIPTION: BY:

		PIC	
07/09/18		ISSUED FOR REVIEW	XQD

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KHA PROJECT NUMBER: _____

ENGINEER SEAL: _____



PROJECT INFORMATION:

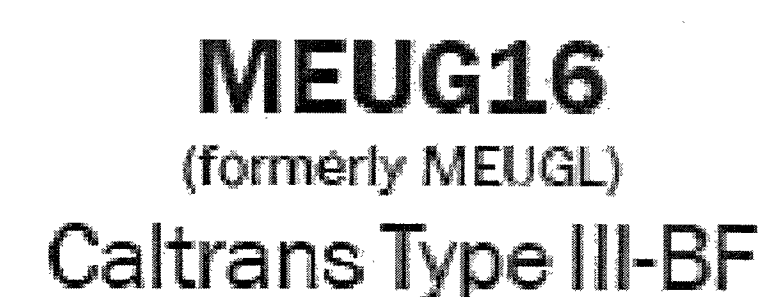
33TM0063CMC
241.25 EAST BONANZA RD.
LAS VEGAS, NV 89101

SHEET TITLE: _____

SINGLE LINE DIAGRAMS

SHEET NUMBER: _____

E-2



FRONT VIEW

10.35

METER READING WINDOW

DEMAND RESET COVER (Hinged Padlockable and Sealable)

NAME PLATE

HINGED DOOR

FRONT VIEW

UL

METER SAFETY SOCKET

MANUAL BYPASS (TEST BLOCK) REMOVABLE COVER

MAIN BREAKER

LOAD CENTER 15 CIRCUIT

NEUTRAL BAR

46.00

36.00

6.00

16.00

* CUSTOMER EQUIPMENT AREA IS 20 X 16.00 X 6.00

SIDE VIEW

HINGED DOOR

REMOVABLE METER SOCKET COVER

METER SECTION

SEALABLE PADLOCK HASP

15" CELL WINDOW

LATCH

CUSTOMER SECTION

UTILITY SECTION

UTILITY LAMING GUIDE

REMOVABLE UTILITY ACCESS COVER W/ WIRE BUSHING

PADLOCK HASP

12.00

10.50

6.75

17.25

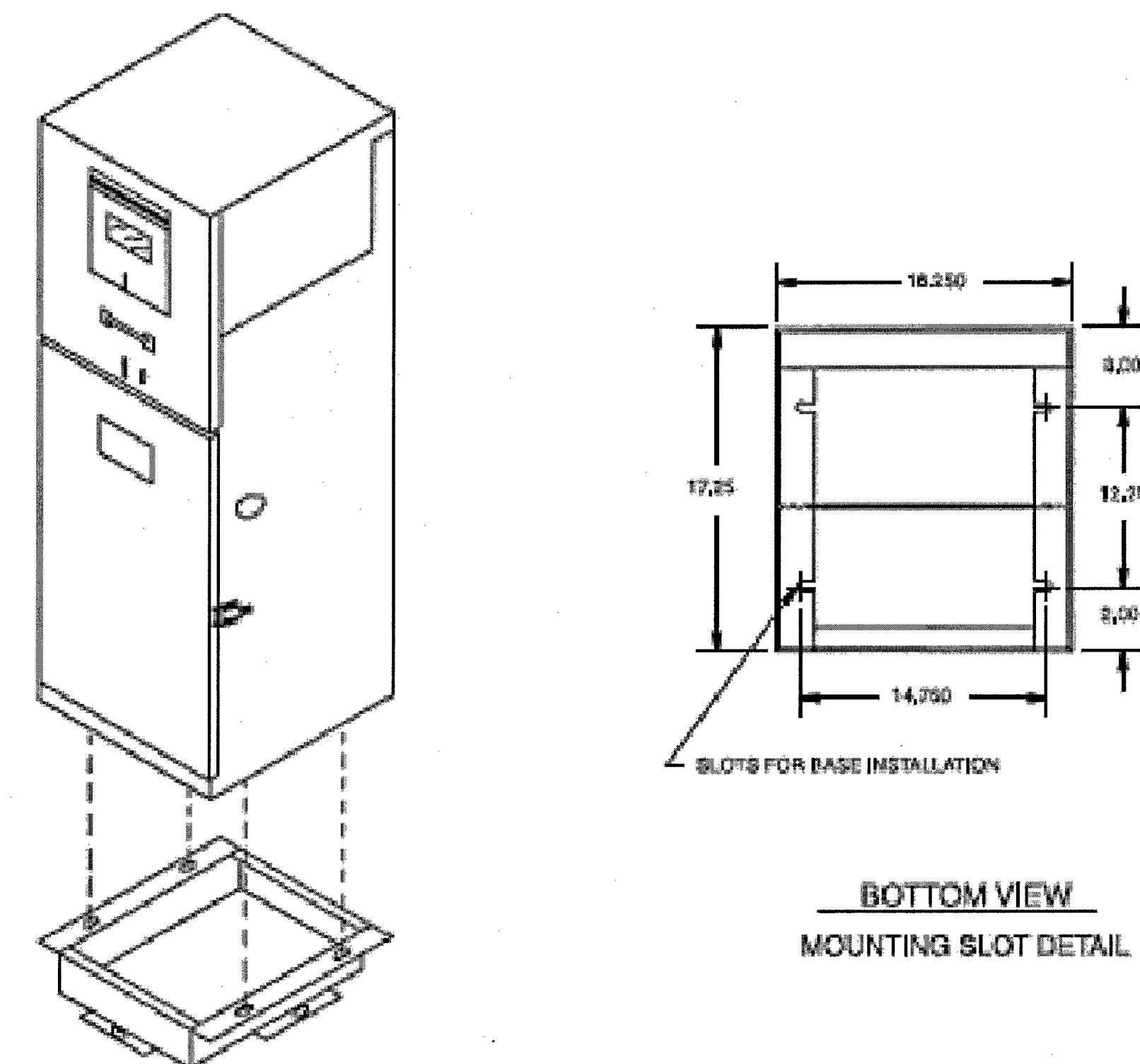
- Standard voltage 120/240V 1ø 3W.
- Meter Socket: 4 jaw, 100 amps or 200 amps.
- Meter socket with test blocks.
- 12 circuit copper bussed interior.
- Main Breaker: 100 amp or 200 amp, 10k AIC.
- Utility Landing Lugs: 200 amps, 250 kcmil.
- Utility test section.
- Vandal-resistant hinged door and dead front.
- Light green powder coat finish in accordance with ASTM B-117. Custom colors available.

- Maximum voltage 480Y/277V 3ø 4W (may effect optional equipment).
- 12 circuit interior may be increased to 30 circuit.
- Higher AIC available upon request.
- P.E. cell, test switch, lighting relay may be added to standard.
- Some equipment modifications available. Consult your factory representative.
- Meter Sockets: 5 jaw or 7 jaw, 100 amps or 200 amps.
- Uni-body construction available in steel, stainless steel, and aluminum.
- Pad Mounting Base available for concrete foundation. Order separately - MEUG16-BASE.
- Anchor Bolts. Order separately - 714548 (quantity 4).

- 12-gauge corrosion-resistant zinc-coated steel construction. Hood and covers 14-gauge.
- Rainproof Type 3R enclosure.
- Complies with Caltrans specification ES-2E.
- Meets EUSERC 308 requirements.
- All factory wiring is 600 volt rated copper.

- Acceptable circuit breakers are GE, ITE, Crouse-Hinds/Murray, Cutler-Hammer.
- Suitable for use without main when no more than six service disconnects are installed and used in accordance with article 384 of the NEC.
- Listed by Underwriters Laboratories, Inc.

For aluminum enclosure, order MEUG16A-
For stainless steel enclosure, order MEUG16X-



PLANS PREPARED BY



Kimley»»Horn

655 NORTH FRANKLIN STREET, SUITE 150
TAMPA, FL 33602
PHONE (813) 620-1460
WWW.KIMLEY-HORN.COM

REV: DATE: DESCRIPTION: BY:

		PK	1 24 19	
0	07/09/18	ISSUED FOR REVIEW		XQD

DRAWN BY: _____ CHECKED BY: _____

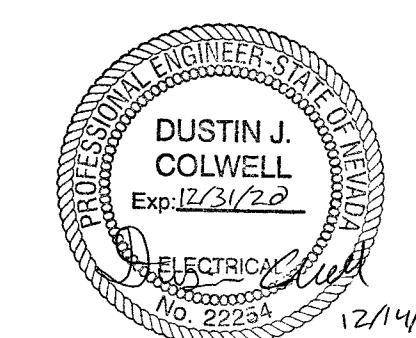
STATION 51		STATION 52	
YCB	AWD	YCB	AWD
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2	2	2	2
3	3	3	3
4	4	4	4
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6	6	6	6
7	7	7	7
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9	9	9	9
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100	100	100	100

XQD	AWD
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KHA PROJECT NUMBER: _____

148497002

ENGINEER SEAL: _____



PROJECT INFORMATION: _____

33TM0063CMC
241.25 EAST BONANZA RD.
LAS VEGAS, NV 89101

SHEET TITLE: _____

EQUIPMENT

DECLARATION

DETAILS

SHEET NUMBER _____

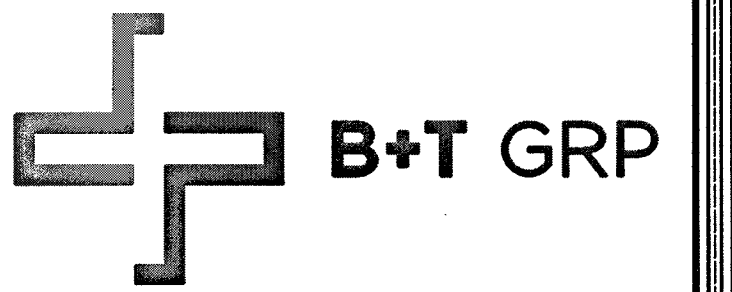
SHEET NUMBER: _____

11-2

E-3

[illegible]

RE PLOT

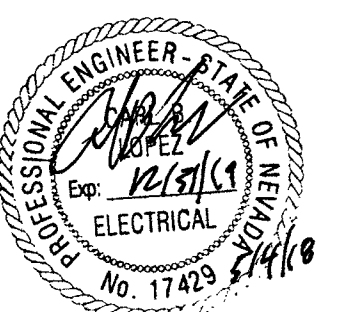


VG0001BA_41LAB
33TM0063SMC
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LAS VEGAS, NV 89101

PROJECT NO: 113296.003
CHECKED BY: MEH

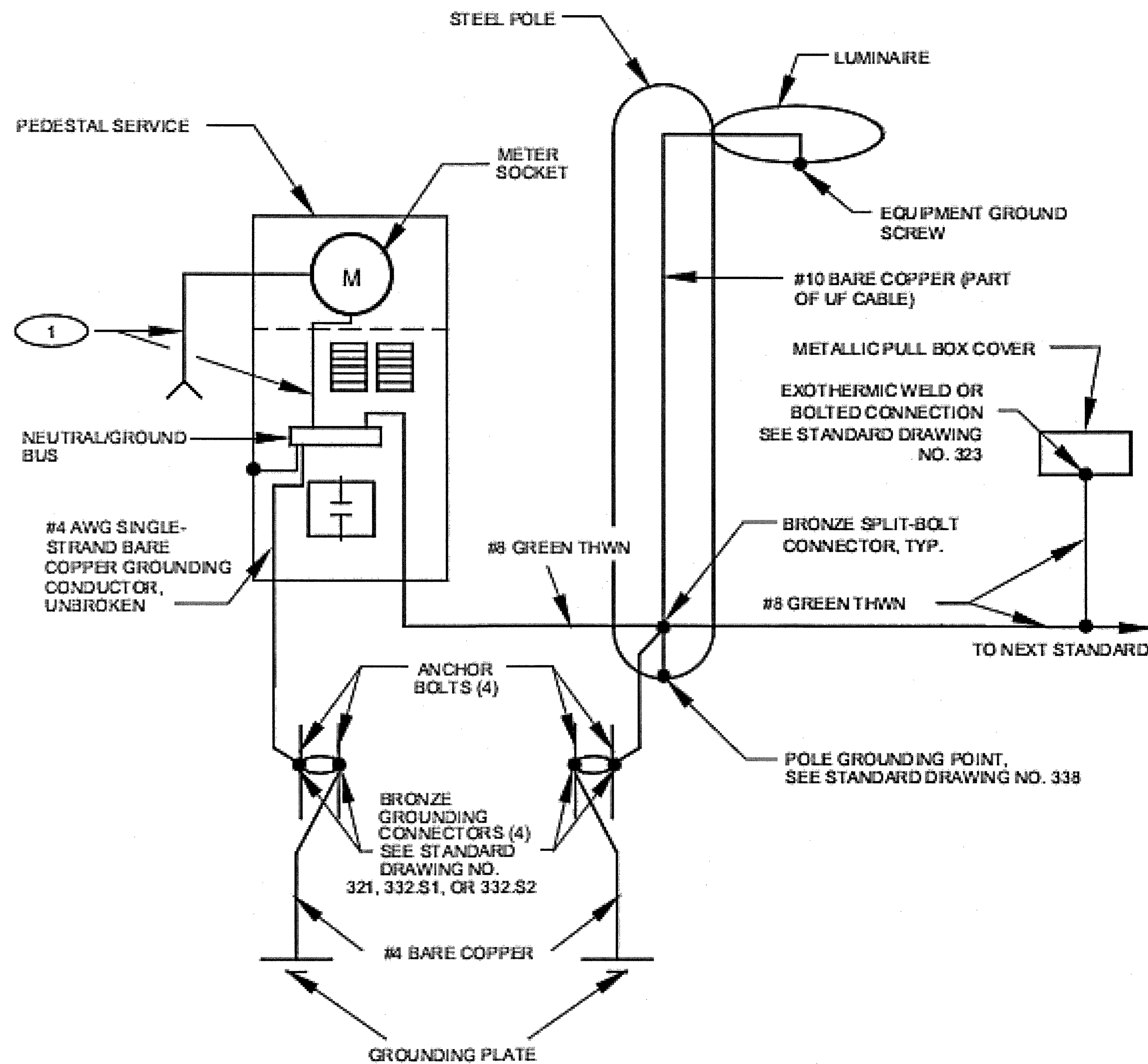
ISSUED FOR:			
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12685
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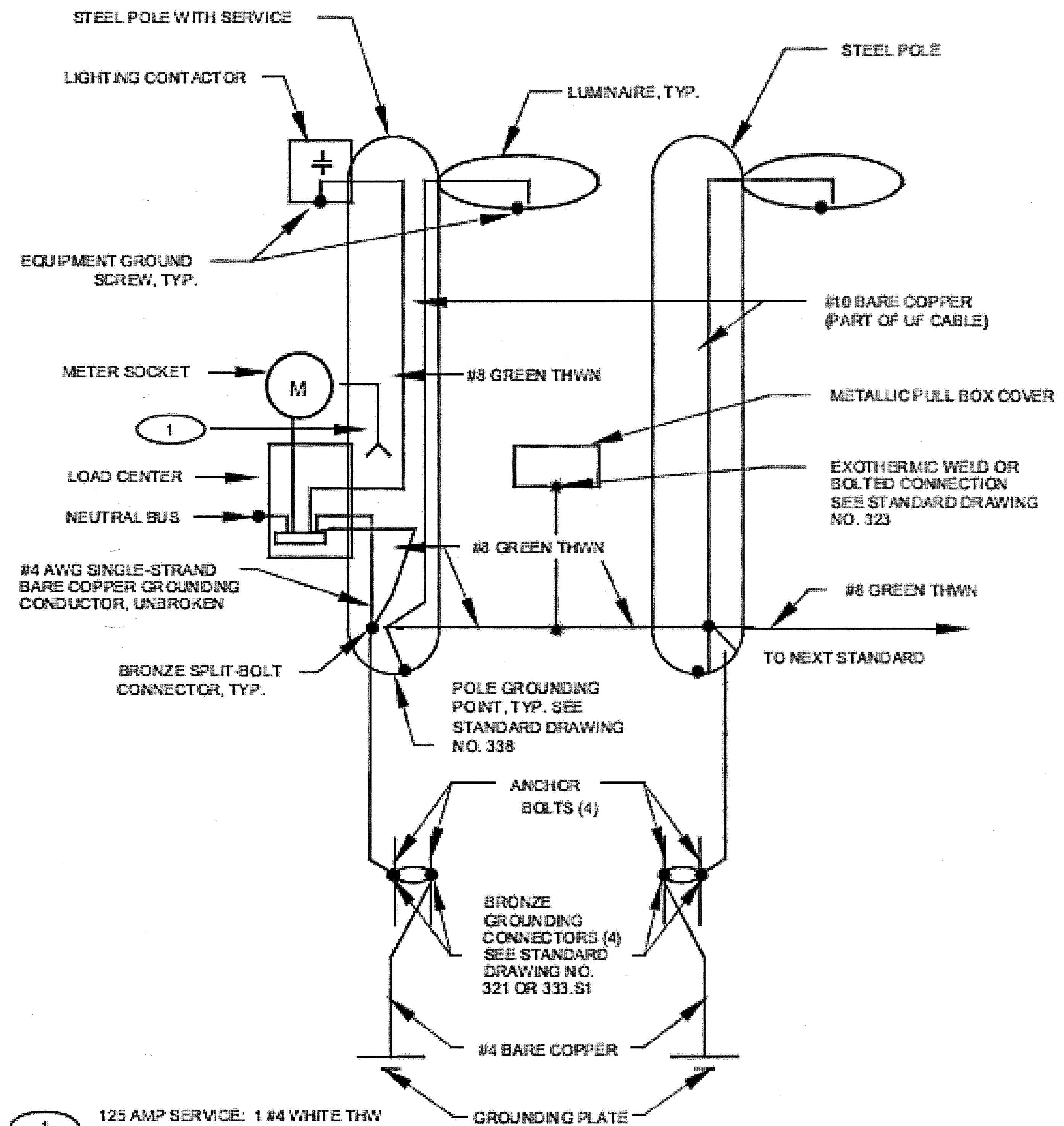
SHEET NUMBER: E-5
REVISION: 4
SHEET 10 OF 11



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

USDCCA DRAWING #336

1 SYSTEM GROUNDING PLAN WITH PEDESTAL SERVICE
SCALE: N.T.S.



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

USDCCA DRAWING #337

2 SYSTEM GROUNDING PLAN WITH POLE MOUNTED SERVICE
SCALE: N.T.S.

113296_33TM0063SMC_VG08007A_CDS.dwg -- Sheet:GN-1 -- User: emcorgan -- May 04, 2013 -- 8:30am

ENGINEER'S GENERAL NOTES

- 1. ALL EXISTING UTILITY LINES SHOWN ON THE PLANS ARE FROM AVAILABLE UTILITY RECORDS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION BEFORE STARTING CONSTRUCTION.
- 2. DISPOSAL OF ALL WASTE MATERIAL, AT AN APPROVED DISPOSAL SITE, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- 4. THE CONTRACTOR SHALL FURNISH ALL CONSTRUCTION STAKING AT HIS EXPENSE.
- 5. THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AHEAD OF CONSTRUCTION, TO ALLOW FOR ANY NECESSARY ADJUSTMENT IN GRADE LINE AND TO VERIFY PIPE TYPES FOR ORDERING PROPER TRANSITION AND/OR TIE-IN FITTINGS WHICH MAY BE REQUIRED.
- 6. TRENCH EXCAVATION, BACKFILLING AND COMPACTION SHALL BE IN ACCORDANCE WITH CLARK COUNTY UNIFORM STANDARD DRAWING NO. 208 EXCEPT AS NOTED OTHERWISE.
- 7. ALL EXISTING IMPROVEMENTS (PAVING, CURB, GUTTER, SIDEWALK, LANDSCAPING, ETC.) THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED "IN-KIND" AS DIRECTED BY THE ENGINEER, OWNER/DEVELOPER OR AGENCY INSPECTORS.
- 8. THE PLANS PREPARED FOR THIS PROJECT PRESENT A DESCRIPTION OF THE WORK TO BE ACCOMPLISHED.THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND DETERMINE, FROM HIS OWN INSPECTION, THE CONDITIONS UNDER WHICH IT IS TO BE PERFORMED.THE CONTRACTOR, BY MAKING HIS BID, REPRESENTS THAT HE HAS VISITED THE SITE AND FAMILIARIZED HIMSELF WITH LOCAL CONDITIONS, THE TYPE OF WORK TO BE PERFORMED, EVALUATED THE DIFFICULTY OF PERFORMING THE REQUIRED TASKS, AND THE LABOR, EQUIPMENT AND MATERIAL THAT ARE REQUIRED TO PROVIDE A COMPLETE PROJECT.

SPECIAL AS-BUILD PLAN NOTE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION AND SUBMITTAL OF ALL AS-BUILT PLANS TO THE GOVERNING AGENCY.

CLARK COUNTY CONSTRUCTION NOTES

- 1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE TO SCHEDULE AT (702) 455-4610. PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.
- 2. EXACT LOCATION OF ALL SAW-CUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
- 3. CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- 4. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ON-HALF (1/2") INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE).
- 5. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION.
- 6. PRIVATE STREETS, CURBS, GUTTERS, AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
- 7. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERCEPTION PER STANDARD DRAWING EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY CLARK COUNTY PUBLIC WORKS INSPECTOR.
- 8. PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. TRAFFIC, SCHOOL, OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST COORDINATING WITH THE DEPARTMENT OF PUBLIC WORKS INSPECTIONS AT (702) 455-4610.
- 9. THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
- 10. NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10) FEET OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATE ARE NOT TO BE CONSTRUED AS A TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICHEVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.
- 11. A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITTEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
- 12. COMPACTION TESTS ARE REQUIRED.

CITY OF LAS VEGAS GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- 2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
- 3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- 4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
- 6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- 7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
- 8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
- 9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS

SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

- 10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
 - 11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
 - 12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY,
- REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
- 13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
 - 14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
 - 15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

- 16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
- 17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- 18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- 19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF ± 0.09 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

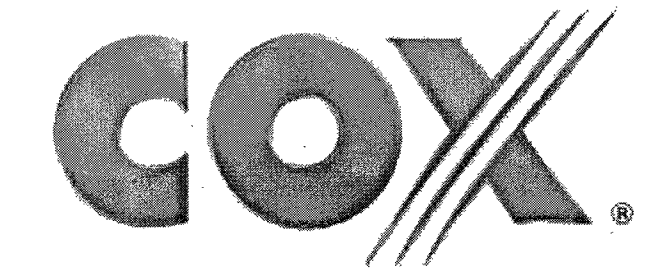
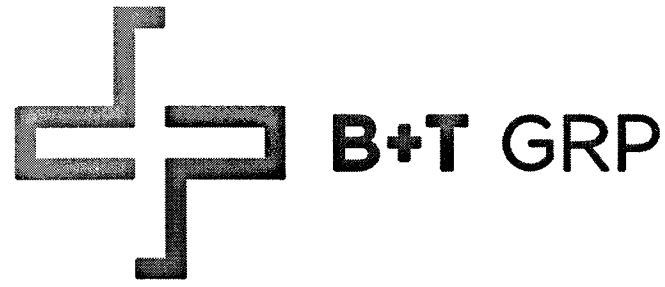
OR

SANITARY SEWER AND STORM DRAIN FACILITIES SHOWN ON THESE PLANS SHALL BE USED TO MEET THE REQUIREMENTS OF NRS 455 AND SHALL SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY. ANY DEVIATIONS FROM THE INFORMATION SHOWN SHALL BE NOTED AND SUBMITTED AS A REVISION TO THE PLANS AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION.

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.

23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

24. REVISED 02/03/15

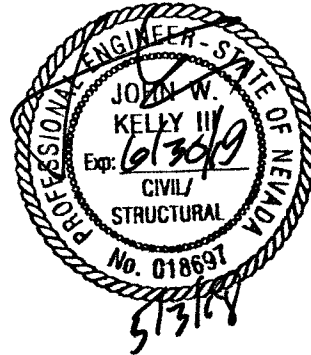


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33TM0063SMC
241.25 E BONANZA RD
LAS VEGAS, NV 89101

PROJECT NO: 113296.003
CHECKED BY: MEH

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
0	12/15/17	BDH	CONSTRUCTION
1	1/10/18	DKD	CONSTRUCTION
2	2/19/18	GEH	CONSTRUCTION
3	3/8/18	DKD	CONSTRUCTION
4	5/3/18	EAM	CONSTRUCTION

B&T ENGINEERING, INC.
12685
Expires 12/31/18



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.

SHEET NUMBER: GN-1
SHEET 11 OF 11
REVISION: 4