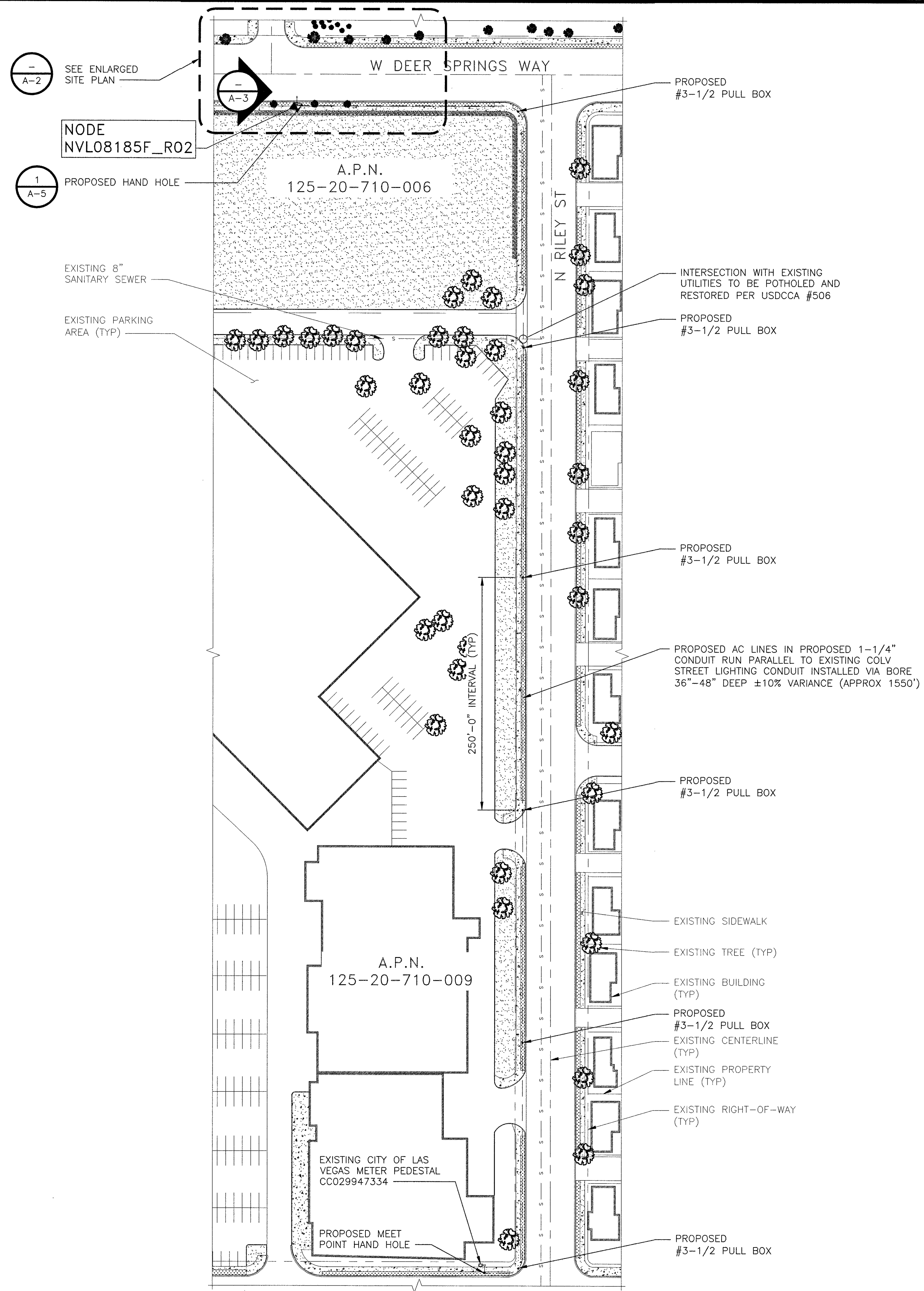




THIS DRAWING IS
NOT A SITE SURVEY
THE PURPOSE OF THIS DRAWING IS
TO SHOW HOW THE DEVELOPED SITE
RELATES TO THE PARENT PARCEL AND
ADJACENT PROPERTIES, R.O.W.
MEASUREMENTS ARE APPROXIMATIONS.



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135

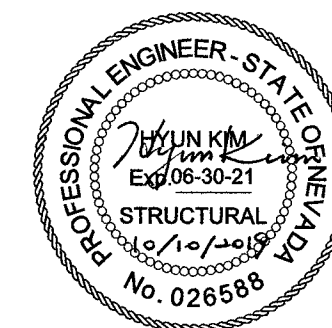


BLACK & VEATCH

BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO:	1487
DRAWN BY:	AVG
CHECKED BY:	GAC

REV	DATE	DESCRIPTION
1	10/09/19	AMENDED PER COMMENTS
0	03/26/19	ISSUED FOR CONSTRUCTION



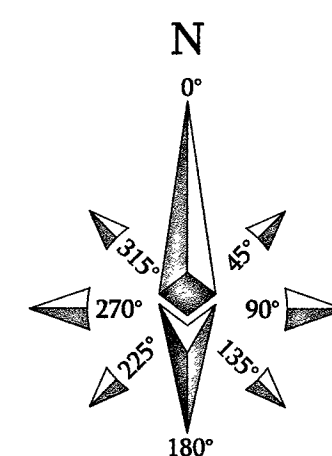
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NVL08185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

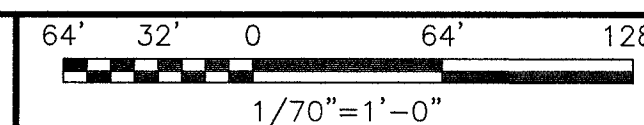
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER

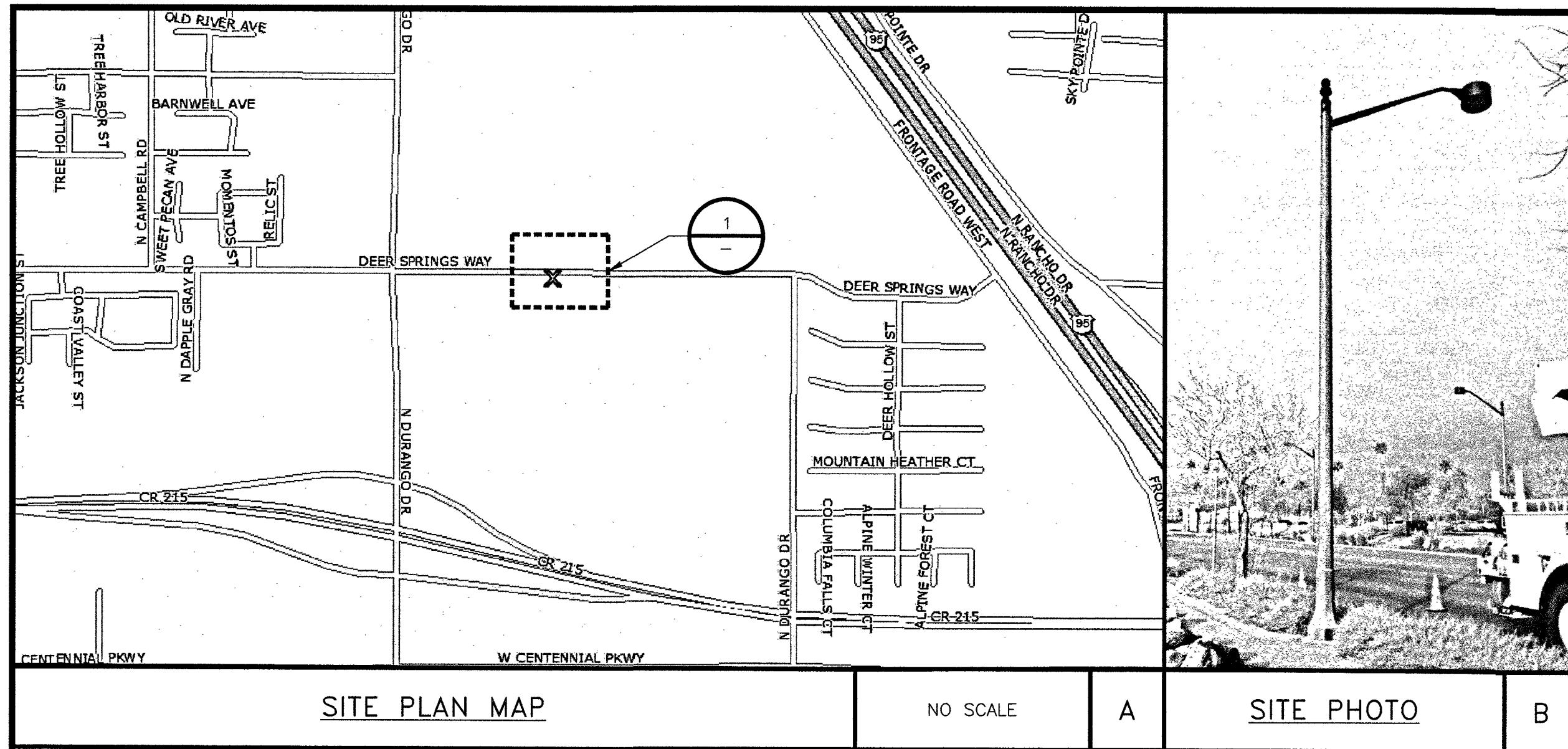
A-1



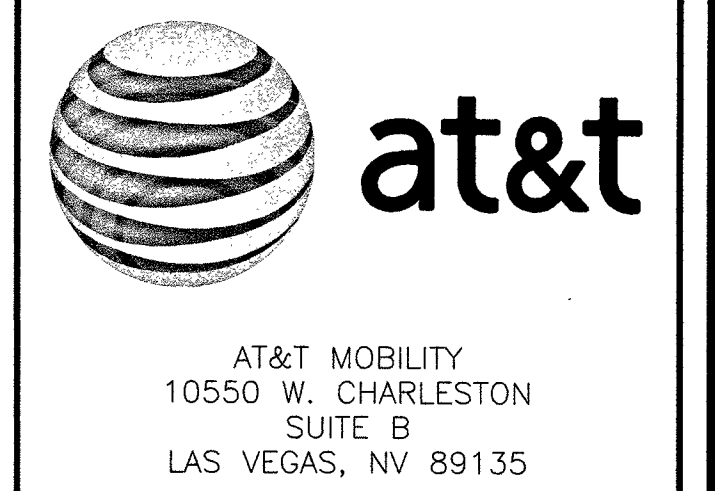
OVERALL SITE PLAN



A

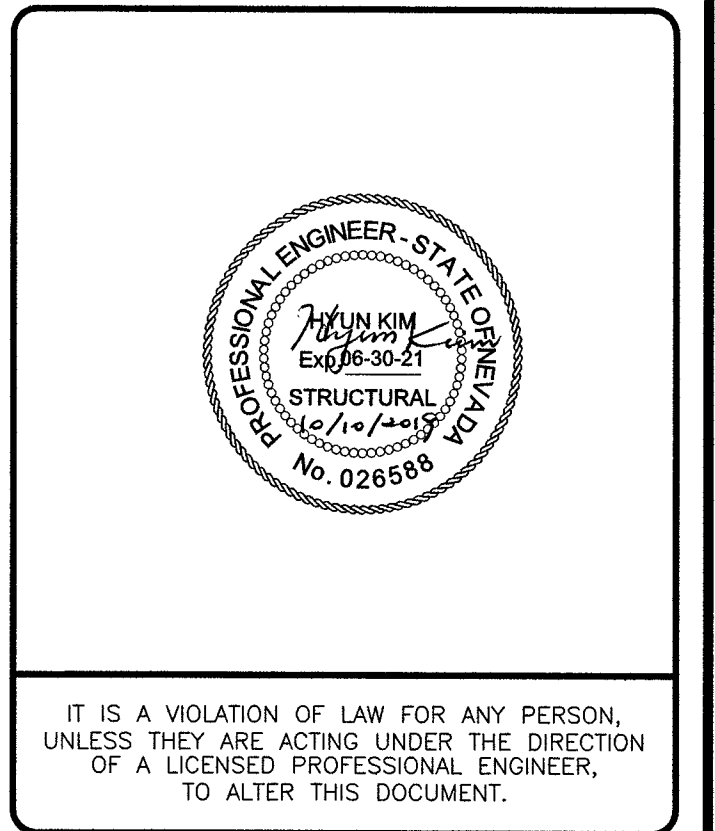


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PROJECT NO:	1487
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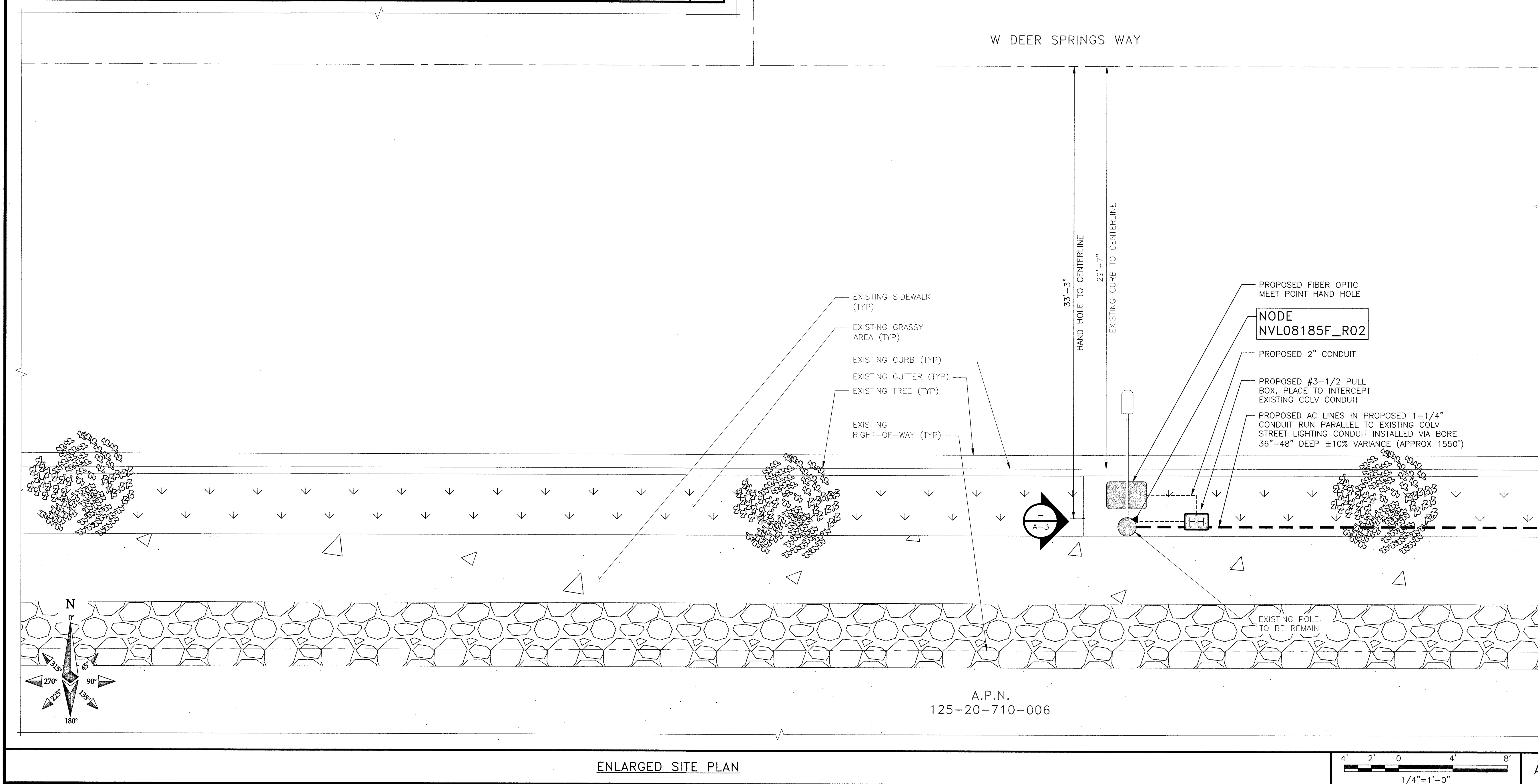
REV	DATE	DESCRIPTION
1	10/09/19	AMENDED PER COMMENTS
0	03/26/19	ISSUED FOR CONSTRUCTION

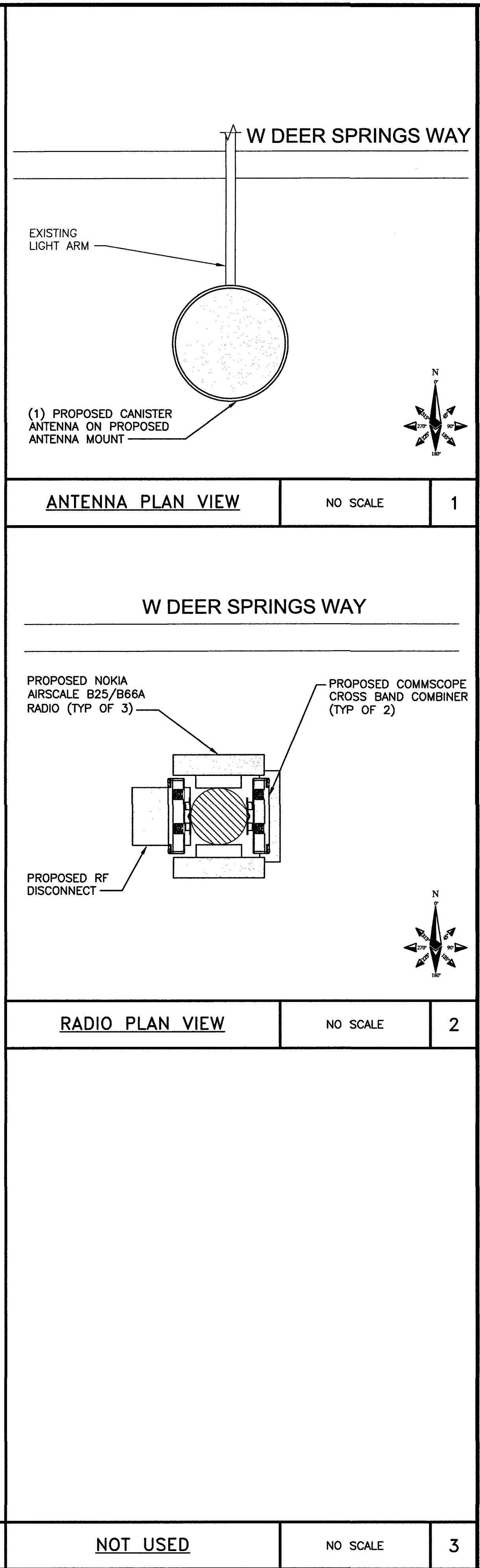
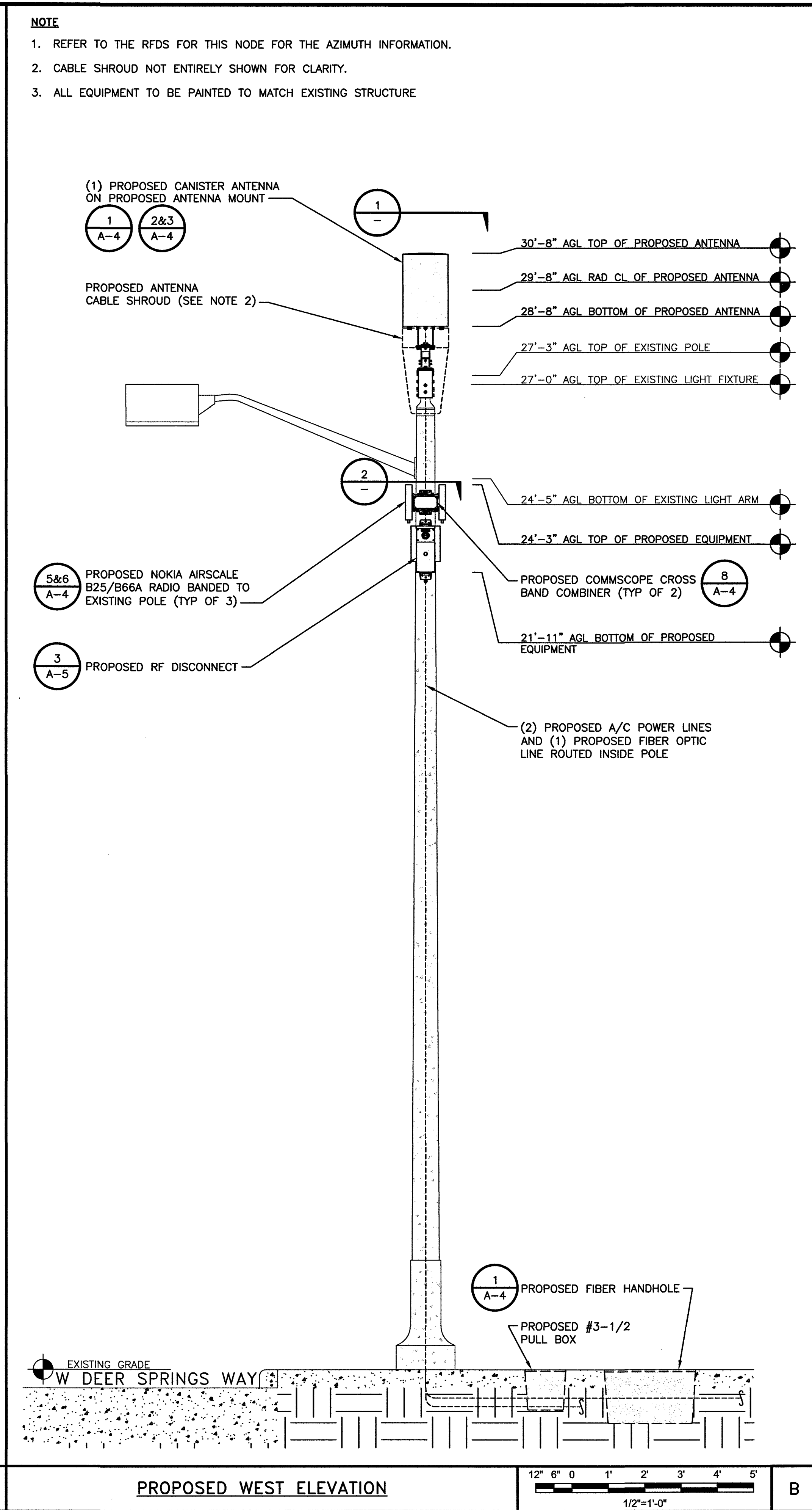
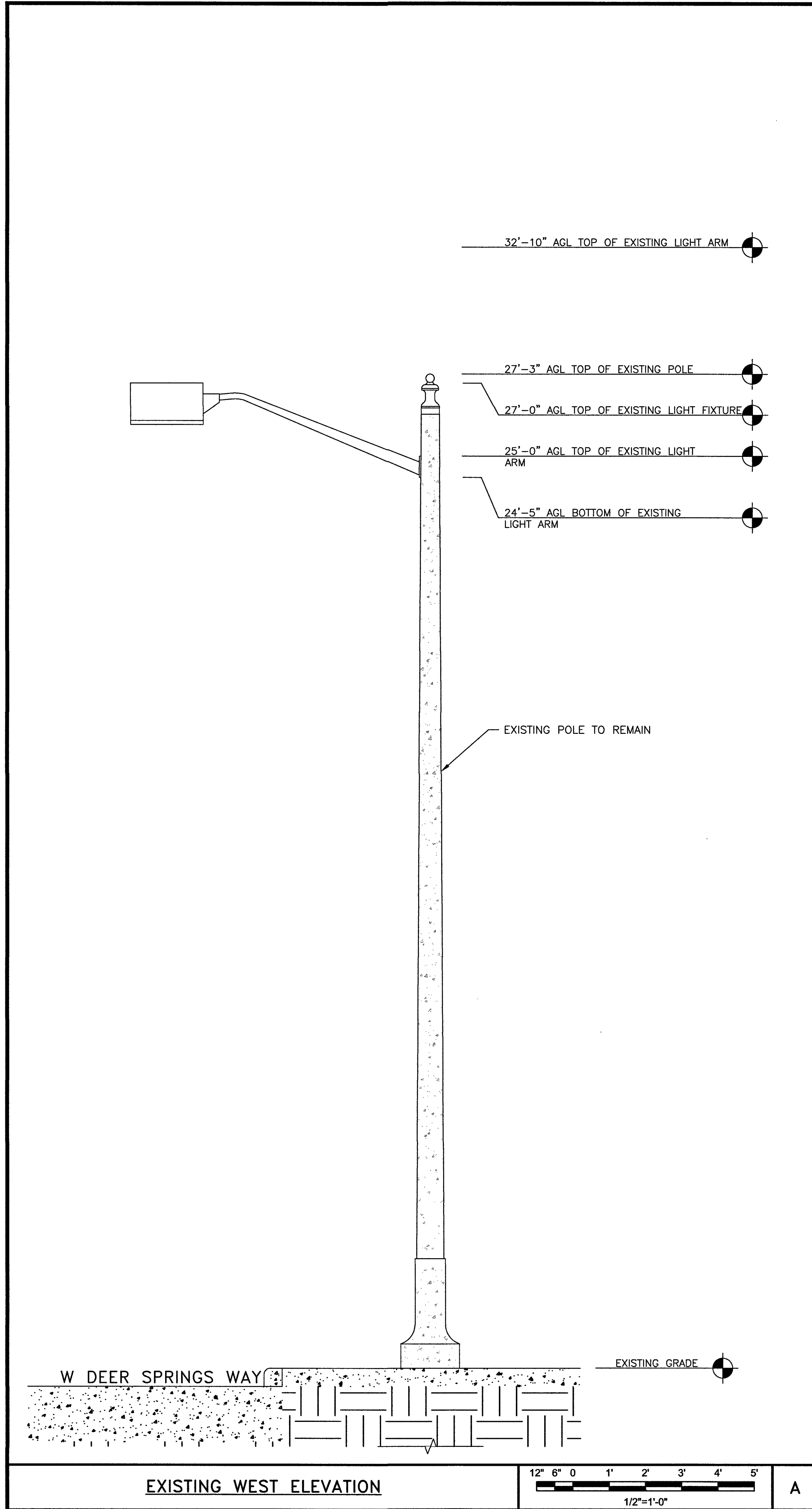


NVL08185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-2





AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135

BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 1487

DRAWN BY: AVG

CHECKED BY: GAC

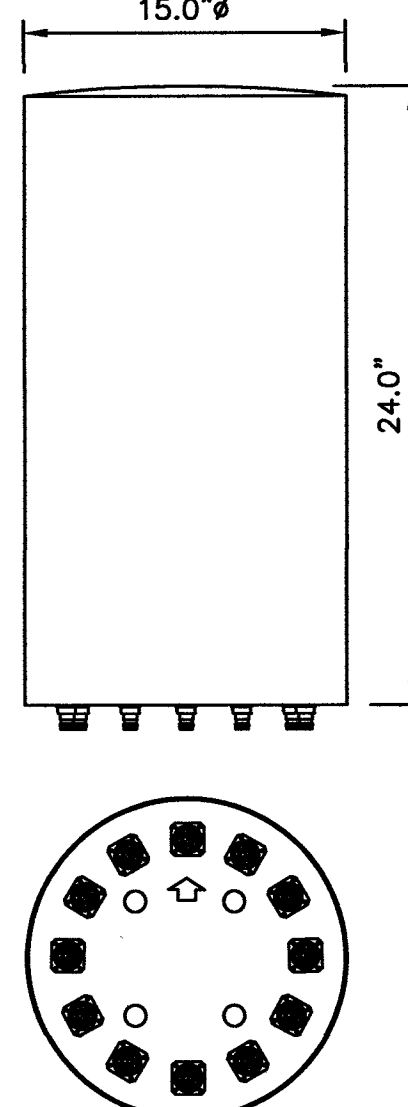
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NVL08185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-3

ACE ACOM-2F15D-12P DIAMETER: 15.0" (381mm) HEIGHT: 24.0" (610mm) VOLUME: 2.45ft³ TOTAL WEIGHT (WITHOUT CLAMP): 35.3 lbs (16 kg) CONNECTOR INTERFACE: 4.3-10 DIN FEMALE RF CONNECTOR LOCATION: BOTTOM RF CONNECTOR QUANTITY: 12 			CONCEALFAB 007948 DIMENSIONS HxWxL: 12.75"x6.65"x11.25" (324x169x285.75 mm) WEIGHT: 22.74 lbs (10.31 kg) * DETAIL IS FOR GRAPHIC REPRESENTATION, CONTRACTOR MUST REFERENCE MANUFACTURERS DRAWINGS PRIOR TO CONSTRUCTION. TOP VIEW FRONT VIEW SIDE VIEW ASSEMBLY VIEW APPLY ANTI-SEIZE TO ALL STAINLESS STEEL HARDWARE 2X BOLT HOLES FOR ALTERNATIVE ATTACHMENT WITH 3/4" LAG OR TIE BOLTS (NOT SUPPLIED) 3X 1" S.S. BAND CLAMPS (NOT SUPPLIED) THIS ASSEMBLY FITS POLE DIAMETERS 5" TO 8-3/8"			CONCEALFAB 900078 DIMENSIONS HxW (W/O BRACKET): 6.88"x7.00" (174.75x178mm) (WITH ANTENNA BRACKET): ±13.88"x7.00" (352.55x178mm) WEIGHT (WITHOUT BRACKET): 9.95 lbs (4.51 kg) * DETAIL IS FOR GRAPHIC REPRESENTATION, CONTRACTOR MUST REFERENCE MANUFACTURERS DRAWINGS PRIOR TO CONSTRUCTION. FRONT VIEW SECTION A MOUNT ASSEMBLY ANTENNA POLE TOP MOUNTING BRACKET, SUPPLIED BY OTHERS (ACOM-MK-TOP) ANTENNA MOUNTING BOLT 7/8" UNC X 2" LG, 18-8 SS ATTACH ADAPTER PLATE TO SLEEVE AFTER ATTACHING ANTENNA BRACKET UNIVERSAL CANTENNA SLEEVE FASTENERS USED FOR LEVELING USE ANTISEIZE, AS REQUIRED 2" NOMINAL (2.375" O.D.) MOUNTING POST (NOT SUPPLIED)			 AT&T MOBILITY 10550 W. CHARLESTON SUITE B LAS VEGAS, NV 89135																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
ANTENNA SPECIFICATIONS			NO SCALE	1	STANDARD POLE TOP MOUNT			NO SCALE	2	ANTENNA SLEEVE MOUNT			NO SCALE	3	PROJECT NO: 1487 DRAWN BY: AVG CHECKED BY: GAC 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NOTICE

RF energy emitted by this device may exceed the FCC's general public exposure limits. Stay at least 1 foot away from the device. Call 800-638-2822 for help if you need access within 1 foot.

RF NOTICE DECAL

NOTICE

AT&T operates antennas at this structure.

Above this point you are entering an area where radio frequency (RF) fields may exceed the FCC General Population Exposure limits.

Follow safety guidelines for working in an RF environment.

Keep 1 ft. away from the fronts of antennas.

Contact AT&T at 800-638-2822, opt. 9, 3 and follow their instructions prior to performing and maintenance or repairs above this point.

This is AT&T Site USID _____

CAUTION

AT&T operates antennas at this structure.

Above this point you are entering an area where radio frequency (RF) fields may exceed the FCC General Occupational Exposure limits.

Follow safety guidelines for working in an RF environment.

Keep 1 ft. away from the fronts of antennas.

Contact AT&T at 800-638-2822, opt. 9, 3 and follow their instructions prior to performing and maintenance or repairs above this point.

Cell Site USID _____

EME PLACARD/DECAL

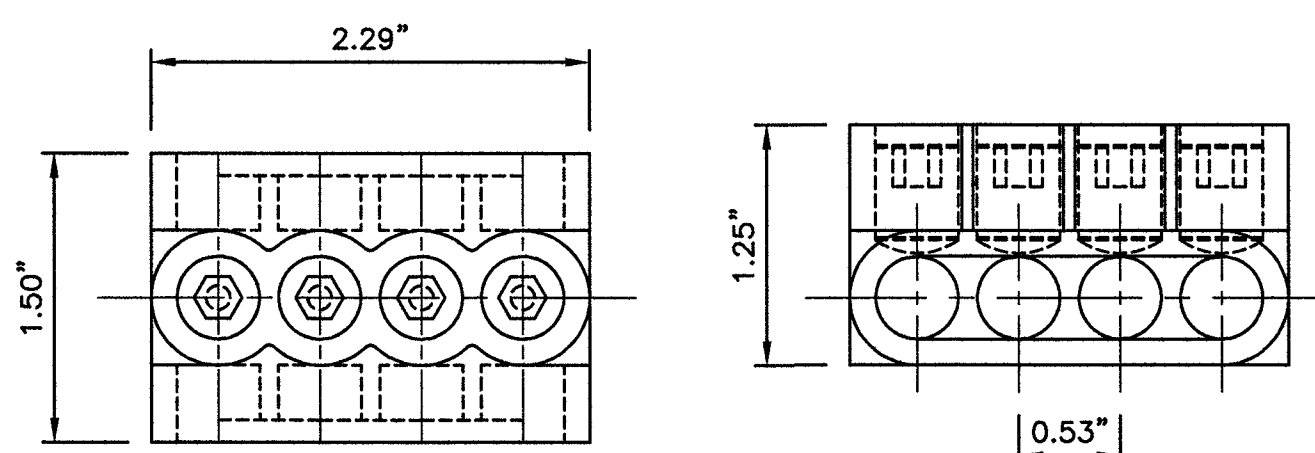
NOTE: SPECIFIC EME PLACARD WILL BE PLACED AFTER EME REPORT

RF SIGNAGE DETAIL

NO SCALE

1

MULTI-TAP CONNECTOR WITH CLEAR INSULATION, DOUBLE-SIDED (PCSB4-4-6Y)



CONNECTOR DETAIL

NO SCALE

2

BUSSMANN — HEB SERIES

BREAKAWAY MODEL#: HEB-AW-RLC-A (5.8" LONG)

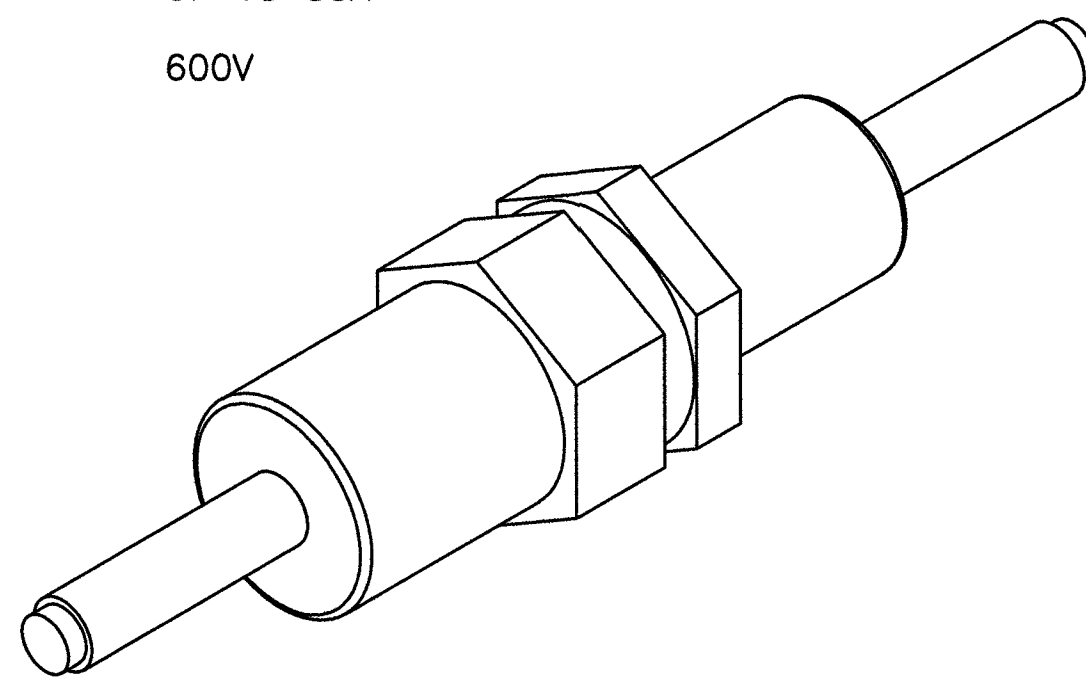
NON-BREAKAWAY MODEL#: HEB-AA (4.4" LONG)

WIRE RANGE: #8-16; (2) #12-16

RECOMMENDED FUSES: BAF, FNM, FNQ, KLM AND KTK

AMPS: UP TO 30A

VOLTS: 600V



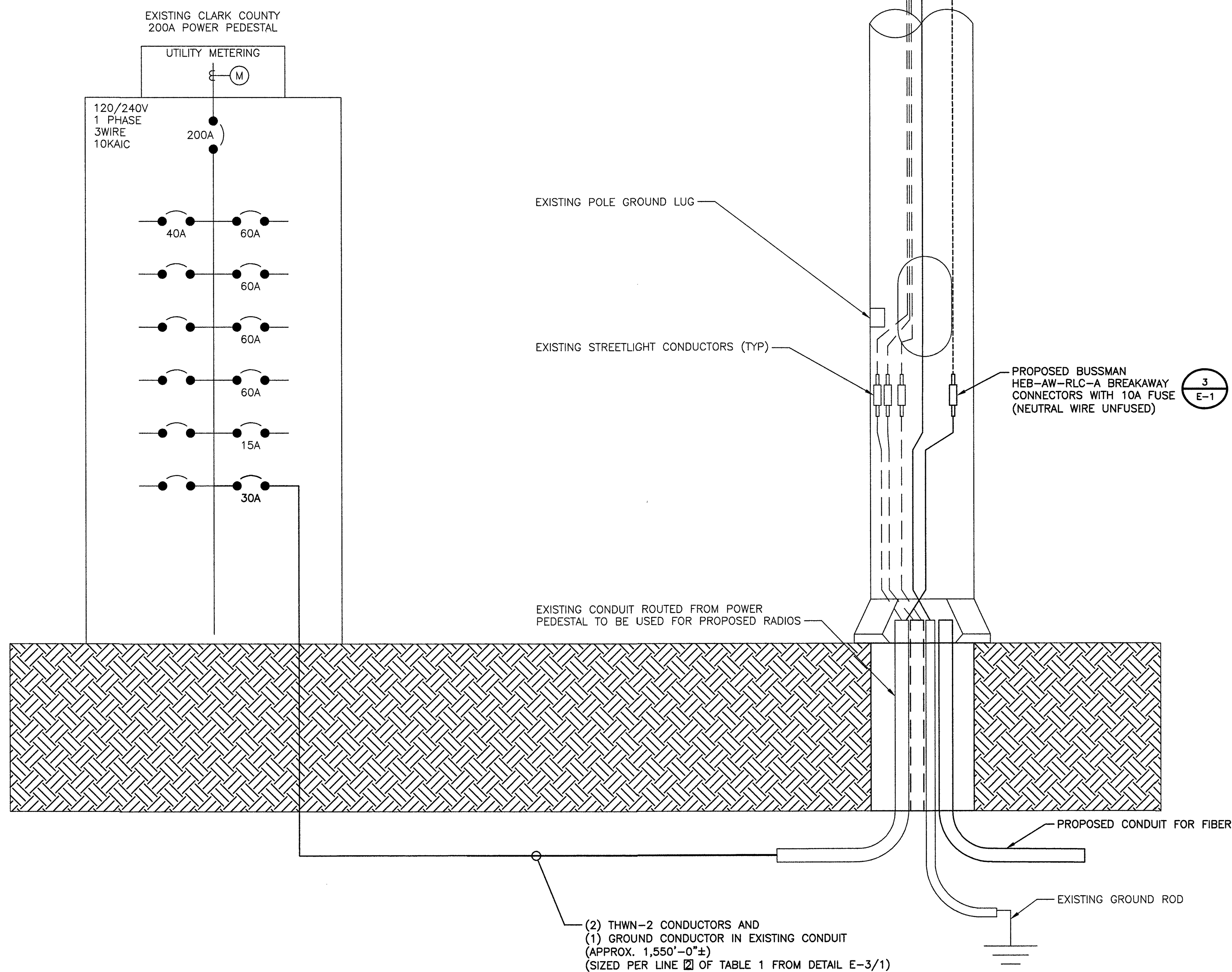
PROPOSED BREAKAWAY AND NON-BREAKAWAY IN-LINE FUSE HOLDER

NO SCALE

3

NOTES

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



TYPICAL POLE SITE TEMPLATE

NO SCALE

4



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

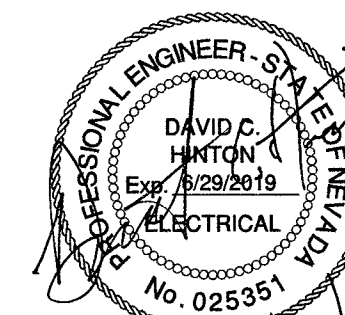
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 1487

DRAWN BY: AVG

CHECKED BY: GAC

REV	DATE	DESCRIPTION
0	03/26/19	ISSUED FOR CONSTRUCTION
1		
2		
3		
4		
5		
6		
7		
8		
9		



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.

NVLO8185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

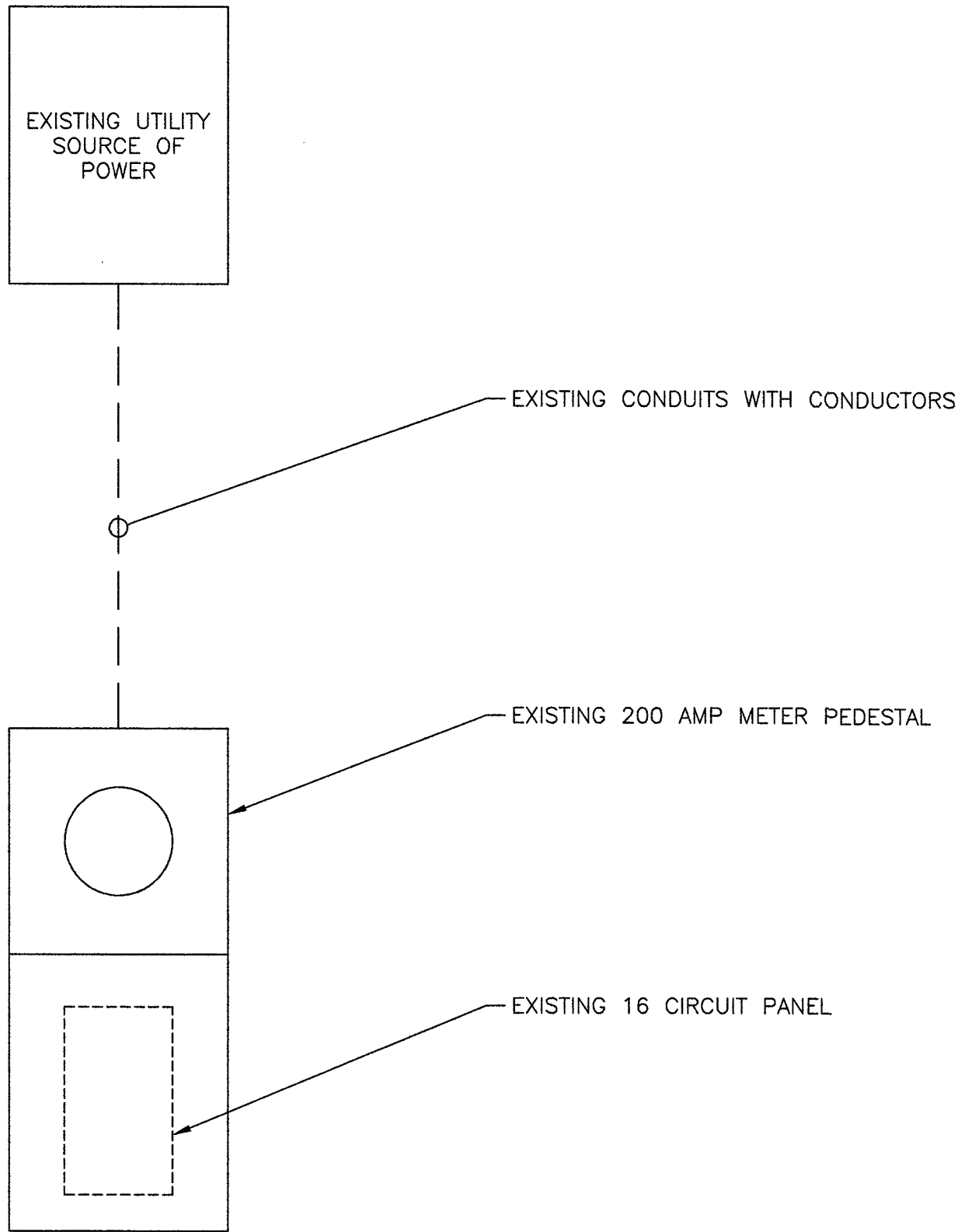
SHEET TITLE
ELECTRICAL DETAILS AND
DIAGRAMS

SHEET NUMBER

E-1

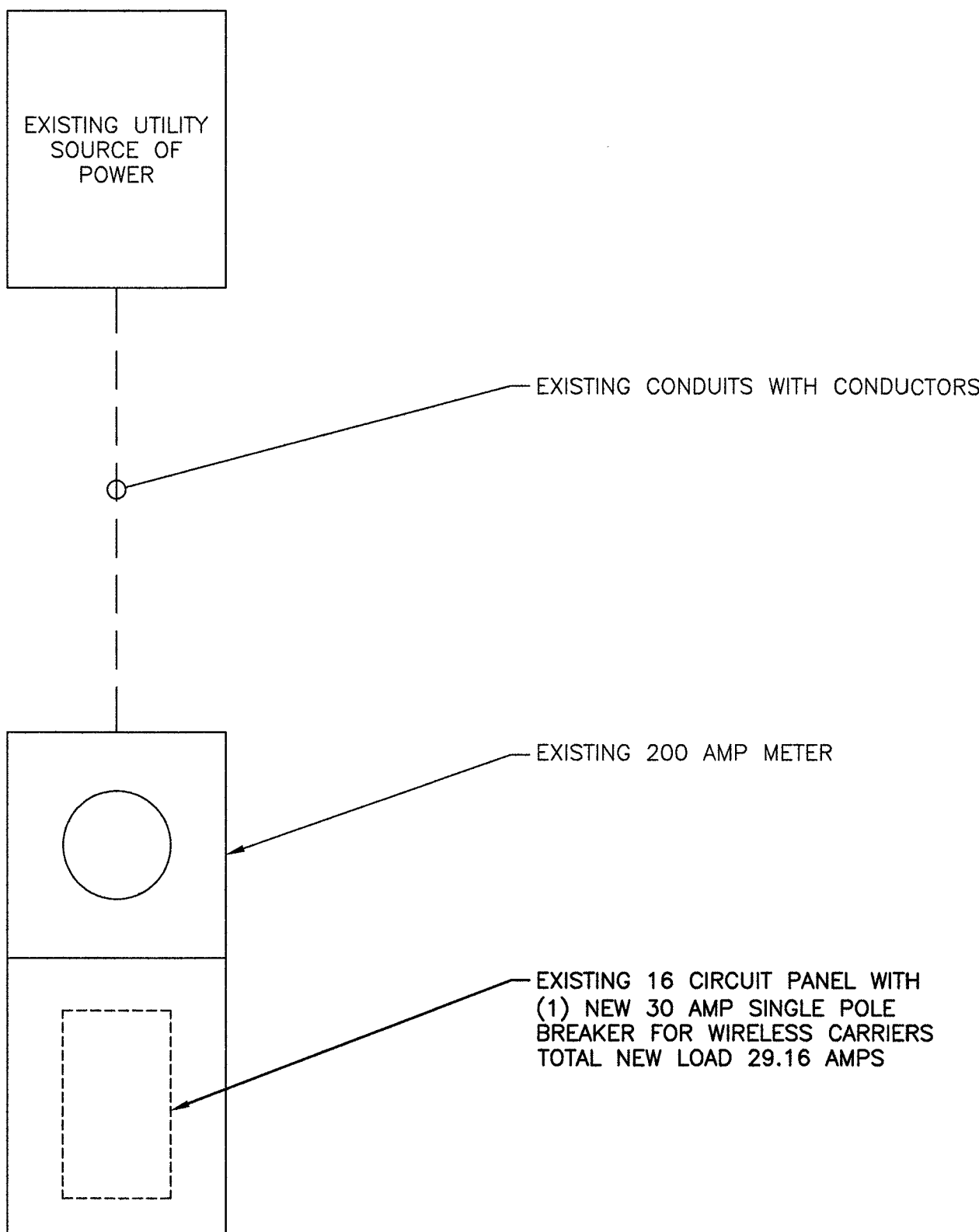
EXISTING ELECTRICAL LOAD STUDY

EXISTING LOAD.....21.50 AMPS
ALLOWED LOAD 80%.....160.00 AMPS



PROPOSED ELECTRICAL LOAD STUDY

EXISTING LOAD.....21.50 AMPS
SAFETY FACTOR 125%.....26.82 AMPS
PROPOSED LOAD.....02.34 AMPS
TOTAL LOAD.....29.16 AMPS
ALLOWED LOAD 80% OF 200 AMPS.....160.00 AMPS



EXISTING SINGLE LINE DIAGRAM

NO SCALE

1

PROPOSED SINGLE LINE DIAGRAM

NO SCALE

2

Site Name: 8613 W. DEER SPRINGS WAY		MODEL NUMBER:						EXISTING METER AND LOAD CENTER									
SITE NUMBER: NVL08185F_R02		PHASE:						1						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	SPARE	40	1	OFF	0	1.00	1.00	3150		1.25	1.00	2520	ON	2	60	STREET LIGHTS	2
3									3225	1.25	1.00	2580					4
5								0		1.00	1.00	0	ON	2	60	SPARE	6
7									0	1.00	1.00	0					8
9								60		1.00	1.00	60	ON	1	15	EXISTING LOAD	10
11									0								12
13								563		1.25	1.00	450	NEW	1	30	PROPOSED AT&T SMALL CELL	14
								PHASE A	PHASE B								
1. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.								3773	3225	VA							
								TOTAL		KVA	7.00						
										AMPS	29.16	≤ 80% OF MAIN BREAKER					

PROPOSED PANEL SCHEDULE AND CALCS

NO SCALE

3



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

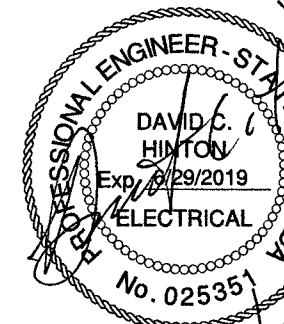
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 1487

DRAWN BY: AVG

CHECKED BY: GAC

0	03/26/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



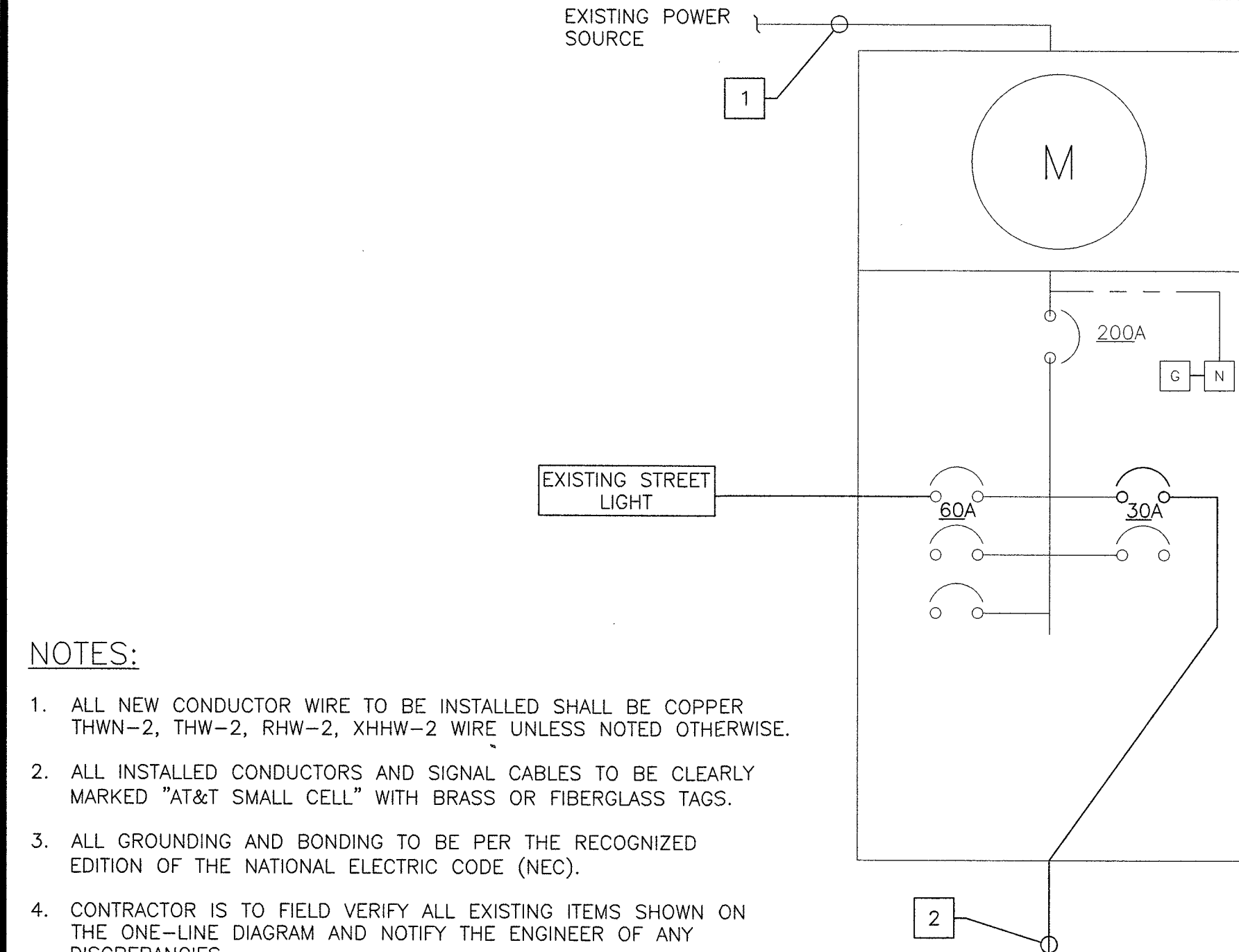
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TO ALTER THIS DOCUMENT.

NVL08185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE
ELECTRICAL SINGLE LINE
DIAGRAMS

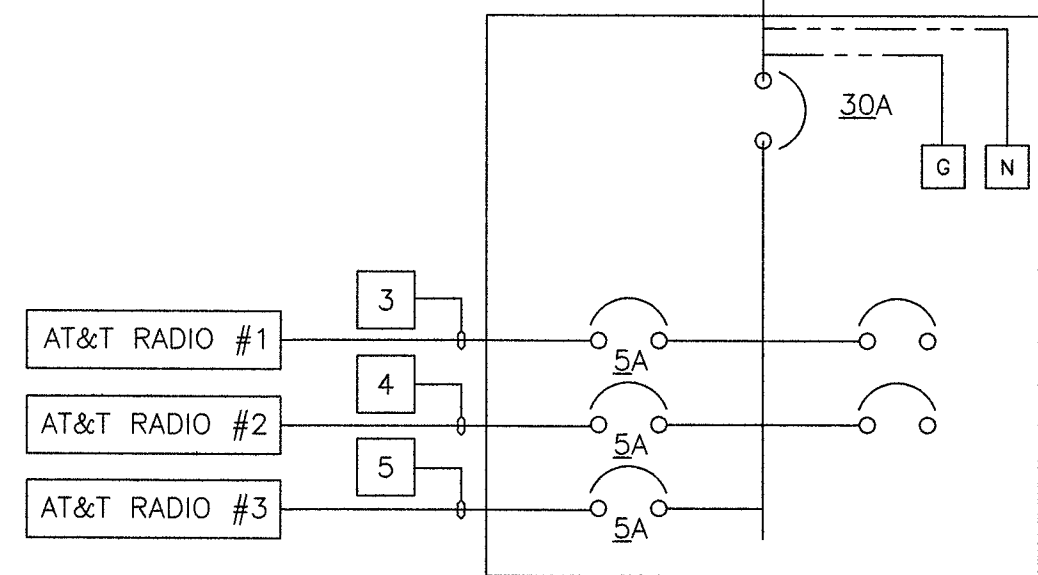
SHEET NUMBER

E-2



NO	FROM	TO	CONFIGURATION
1	UTILITY P.O.C.	EXISTING METER PEDESTAL	EXISTING
2	EXISTING METER PEDESTAL	AC LOAD CENTER/ SAFETY SWITCH	(2) #3 CU THHN/THWN-2 (1) #10 EGC IN MINIMUM 1-1/4" PVC CONDUIT
3	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #1	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC
4	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #2	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC
5	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #3	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC

TABLE 1



PROPOSED AT&T SMALL CELL LOAD CENTER WITH DISCONNECT (PTS90123 OR ENGINEER APPROVED EQUAL)
40A, 120VAC
1 PHASE, 2 WIRE
(SEE PANEL SCHEDULE FOR LOADING)

120VAC FEEDER CONDUCTOR MAXIMUM DISTANCE		
#10 CU AWG	<400'-0"	3% VOLT DROP @ 3.75A
#8 CU AWG	400' - 615'	3% VOLT DROP @ 3.75A
#6 CU AWG	615' - 980'	3% VOLT DROP @ 3.75A
#4 CU AWG	980' - 1550'	3% VOLT DROP @ 3.75A
#3 CU AWG	1550' - 1920'	3% VOLT DROP @ 3.75A

Site Name:		8613 W. DEER SPRINGS WAY										MODEL NUMBER:				PACTECHSOL PTS90123							
SITE NUMBER:		NVL08185F_R02										PHASE:		1				WIRE:		3			
VOLTAGE:		120				Volts AC						BUSS RATING:		40		AMPS							
MAIN BREAKER:		30		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	NOKIA AIRSCALE MICRO B25/B66 RRH	5	1	NEW	150	1.00	1.00	150									2						
2									0								4						
3	NOKIA AIRSCALE MICRO B25/B66 RRH	5	1	NEW	150	1.00	1.00	150									6						
4									0								8						
5	NOKIA AIRSCALE MICRO B25/B66 RRH	5	1	NEW	150	1.00	1.00	150									10						
PHASE A																		PHASE B					
1. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.								450	0	VA													
								TOTAL		KVA	0.45												
										AMPS	3.75	≤ 80% OF MAIN BREAKER											

ELECTRICAL ONE-LINE DIAGRAM (PICO)

NO SCALE

1

NOT USED

NO SCALE

2



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

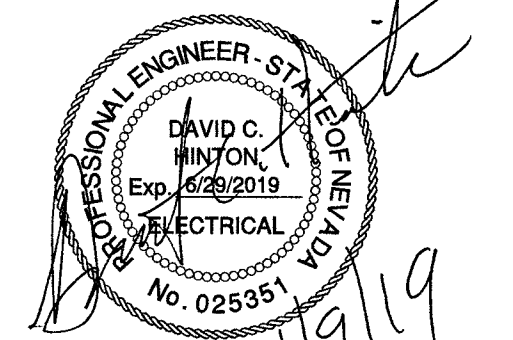
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
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PROJECT NO: 1487

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NVL08185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE
ELECTRICAL ON-LINE
DIAGRAM

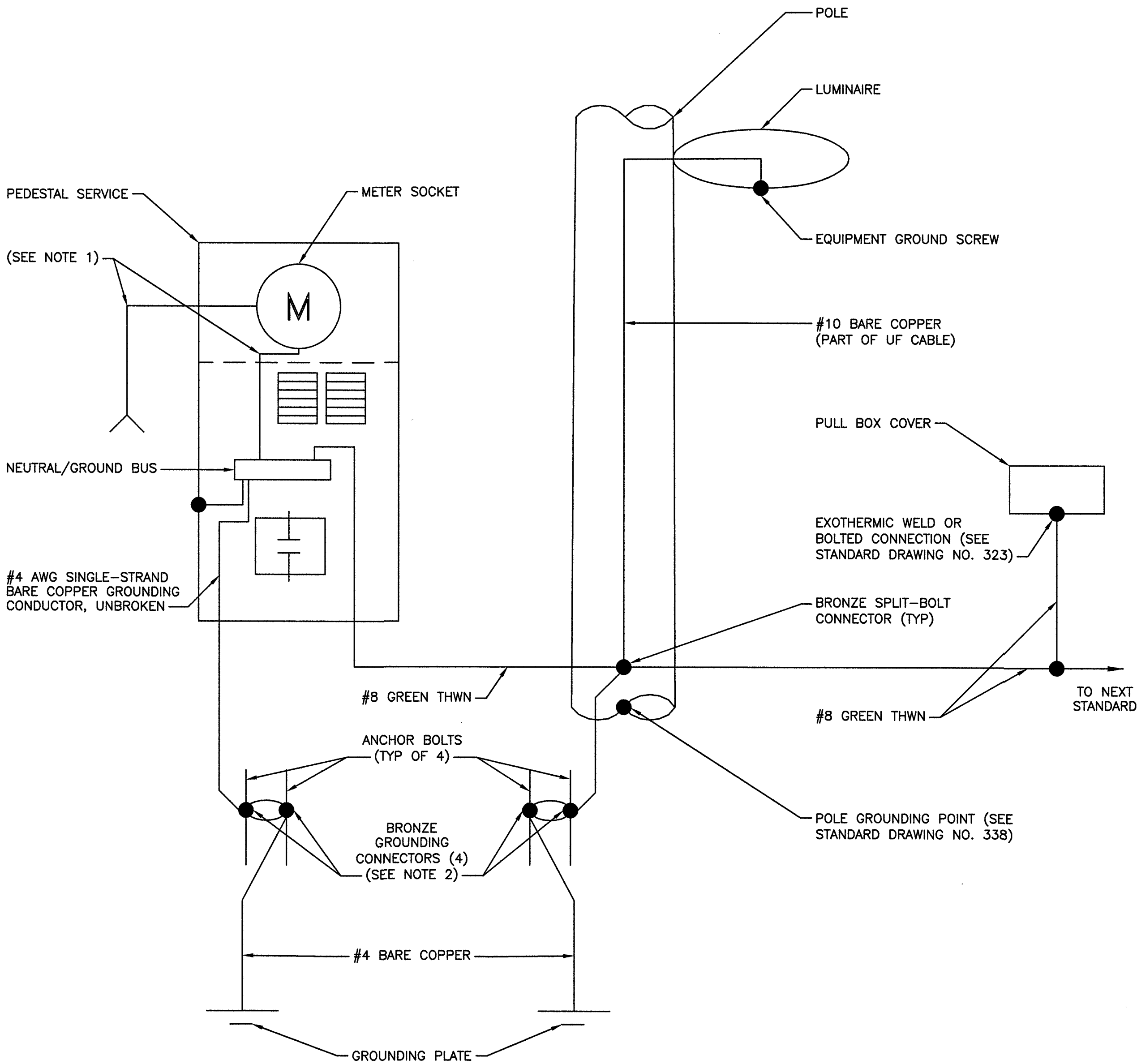
SHEET NUMBER

E-3

9

NOTES

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.



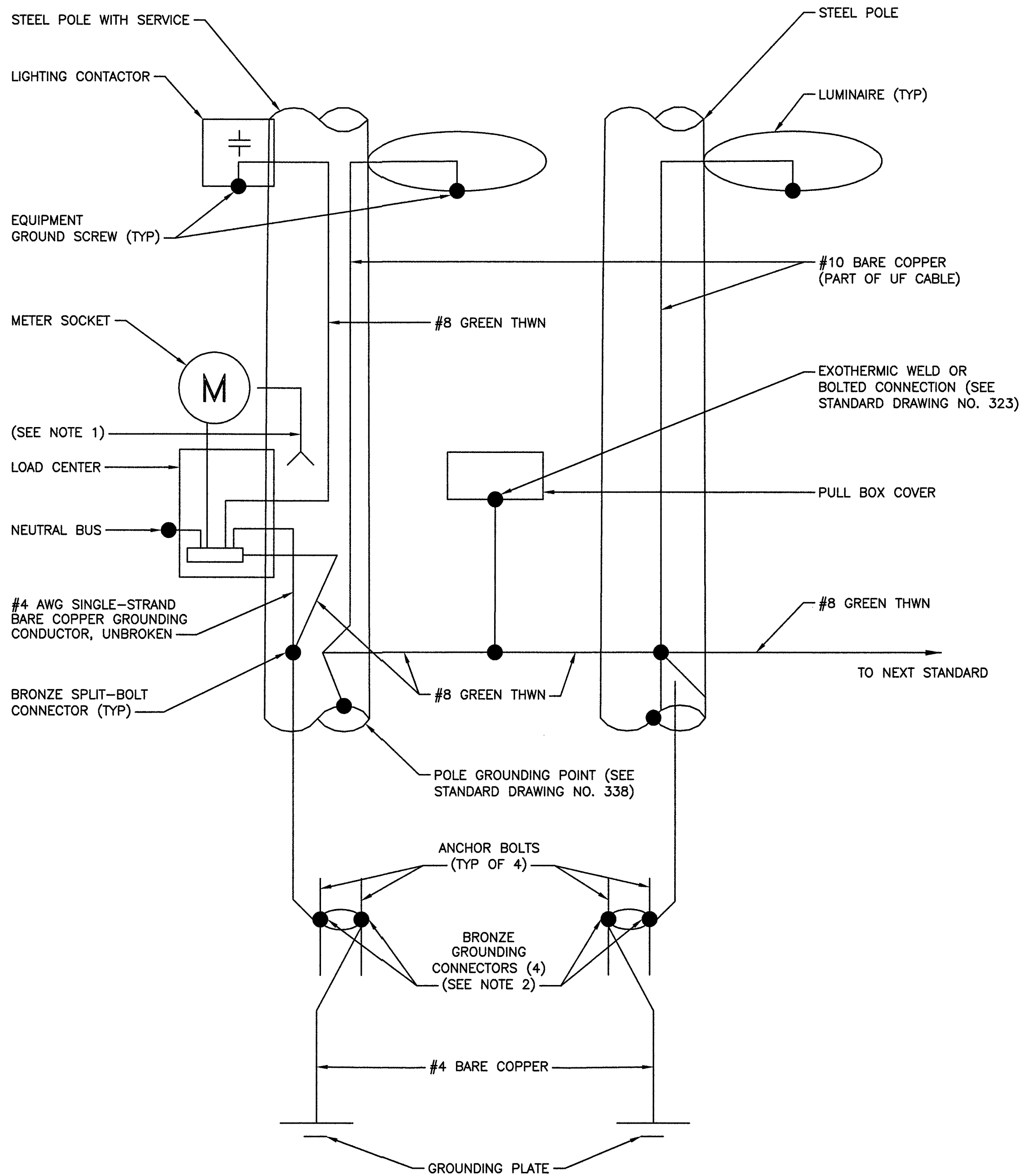
METER PEDESTAL GROUNDING DIAGRAM

NO SCALE

1

NOTES

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



POLE EQUIPMENT GROUNDING DIAGRAM

NO SCALE

2



AT&T MOBILITY
10550 W. CHARLESTON
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LAS VEGAS, NV 89135



BLACK & VEATCH

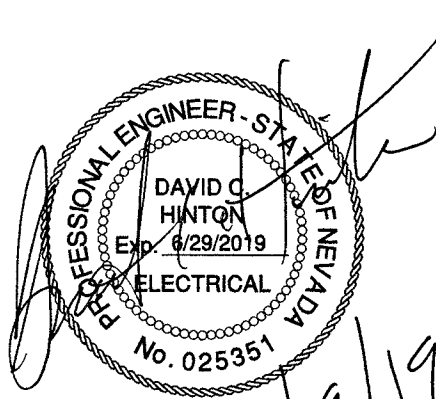
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ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE

GROUNDING DIAGRAMS

SHEET NUMBER

G-1 10

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – OVERLAND CONTRACTING INC. (B&V)
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – AT&T
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
3. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOWN DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER AND DSA PRIOR TO PROCEEDING.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13. SEAL ANY PENETRATION WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
14. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEViate FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
15. SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
16. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
17. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
21. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OT 2-A-10-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
24. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
25. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
27. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
29. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
30. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
31. CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
32. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
35. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
36. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
37. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
38. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
39. NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
40. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
41. CONTRACTOR TO ENSURE LOCATES ARE COMPLETED PRIOR TO DIGGING IN THE ROW. IF UTILITIES ARE INDICATED WITHIN 3 FEET OF THE PROPOSED ROUTE, OR IF CROSSING EXISTING UTILITY, CONTRACTOR TO POTHOLE EXISTING UTILITY TO DETERMINE DEPTH AND EXACT LOCATION PRIOR TO CONSTRUCTION. IF UTILITY IS DAMAGED DURING THE INSTALLATION OF THE NEW CONDUIT, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY IMMEDIATELY AND IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO HAVE ANY DAMAGE FIXED AND/OR REPAIRED PRIOR TO CLOSING THE EXCAVATION.

GENERAL NOTES

EXOTHERMIC CONNECTION

MECHANICAL CONNECTION

CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING BAR

GROUND ROD

TEST GROUND ROD WITH INSPECTION SLEEVE

SINGLE POLE SWITCH

DUPLEX RECEPTACLE

DUPLEX GFCI RECEPTACLE

FLUORESCENT LIGHTING FIXTURE
(2) TWO LAMPS 48-T8

SMOKE DETECTION (DC)

EMERGENCY LIGHTING (DC)

SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW
LED-1-25A400/51K-SR4-120-PE-DOBTXD

CHAIN LINK FENCE

WOOD/WROUGHT IRON FENCE

WALL STRUCTURE

LEASE AREA

PROPERTY LINE (PL)

SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE

UNDERGROUND POWER

UNDERGROUND TELCO

OVERHEAD POWER

OVERHEAD TELCO

UNDERGROUND TELCO/POWER

ABOVE GROUND POWER

ABOVE GROUND TELCO

ABOVE GROUND TELCO/POWER

ABOVE GROUND FIBER

ABOVE GROUND FIBER/POWER

UNDERGROUND FIBER

UNDERGROUND FIBER/POWER

UNDERGROUND DUCT

ABOVE GROUND POWER/AC

ABOVE GROND POWER/DC

SECTION REFERENCE

DETAIL REFERENCE

ELEVATION REFERENCE

BREAKLINE

LEGEND

AB ANCHOR BOLT

ABV ABOVE

AC ALTERNATING CURRENT

ADDL ADDITIONAL

AFF ABOVE FINISHED FLOOR

AFG ABOVE FINISHED GRADE

AIC AMPERAGE INTERRUPTION CAPACITY

ALUM ALUMINUM

ALT ALTERNATE

ANT ANTENNA

APPROX APPROXIMATE

ARCH ARCHITECTURAL

ATS AUTOMATIC TRANSFER SWITCH

AWG AMERICAN WIRE GAUGE

BATT BATTERY

BLDG BUILDING

BLK BLOCK

BLKG BLOCKING

BM BEAM

BTC BARE TINNED COPPER CONDUCTOR

BOF BOTTOM OF FOOTING

CAB CABINET

CANT CANTILEVERED

CEC CALIFORNIA ELECTRIC CODE

CHG CHARGING

CLG CEILING

CLR CLEAR

COL COLUMN

COMM COMMON

CONC CONCRETE

CONSTR CONSTRUCTION

DBL DOUBLE

DC DIRECT CURRENT

DEPT DEPARTMENT

DF DOUGLAS FIR

DIA DIAMETER

DIAG DIAGONAL

DIM DIMENSION

DWG DRAWING

DWL DOWEL

(E) EXISTING

EA EACH

EC ELECTRICAL CONDUCTOR

EL ELEVATION

ELEC ELECTRICAL

EMT ELECTRICAL METALLIC TUBING

ENG ENGINEER

EQ EQUAL

EXP EXPANSION

EXT EXTERIOR

FAB FABRICATION

FF FINISH FLOOR

FG FINISH GRADE

FIF FACILITY INTERFACE FRAME

FIN FINISH(ED)

FLR FLOOR

FDN FOUNDATION

FOC FACE OF CONCRETE

FOM FACE OF MASONRY

FOS FACE OF STUD

FOW FACE OF WALL

FS FINISH SURFACE

FT FOOT

FTG FOOTING

GA GAUGE

GEN GENERATOR

GFCI GROUND FAULT CIRCUIT INTERRUPTER

GLB GLUE LAMINATED BEAM

GLV GALVANIZED

GPS GLOBAL POSITIONING SYSTEM

GND GROUND

GSM GLOBAL SYSTEM FOR MOBILE

HDR HEADER

HGR HANGER

HVAC HEAT/VENTILATION/AIR CONDITIONING

HT HEIGHT

IGR INTERIOR GROUND RING

IN INCH

INT INTERIOR

LB(S) POUND(S)

LF LINEAR FEET

LTE LONG TERM EVOLUTION

MAS MASONRY

MAX MAXIMUM

MB MACHINE BOLT

MECH MECHANICAL

MFR MANUFACTURER

MGB MASTER GROUND BAR

MIN MINIMUM

MISC MISCELLANEOUS

MTL METAL

MTS MANUAL TRANSFER SWITCH

MW MICROWAVE

(N) NEW

NEC NATIONAL ELECTRIC CODE

NO.(#) NUMBER

NTS NOT TO SCALE

OC ON CENTER

OPNG OPENING

(P) PROPOSED

P/C PRECAST CONCRETE

PCS PERSONAL COMMUNICATION SERVICES

PCU PRIMARY CONTROL UNIT

PRC PRIMARY RADIO CABINET

PP POLARIZING PRESERVING

PSF POUNDS PER SQUARE FOOT

PSI POUNDS PER SQUARE INCH

PT PRESSURE TREATED

PWR POWER CABINET

QTY QUANTITY

RAD RADIUS

RECT RECTIFIER

REF REFERENCE

REINF REINFORCEMENT

REQ'D REQUIRED

RET REMOTE ELECTRIC TILT

RMC RIGID METALLIC CONDUIT

RRH REMOTE RADIO HEAD

RRU REMOTE RADIO UNIT

RWY RACEWAY

SCH SCHEDULE

SHT SHEET

SIAD SMART INTEGRATED DEVICE

SIM SIMILAR

SPEC SPECIFICATION

SQ SQUARE

SS STAINLESS STEEL

STD STANDARD

STL STEEL

STRUCT STRUCTURAL

TEMP TEMPORARY

THK THICKNESS

TMA TOWER MOUNTED AMPLIFIER

TN TOE NAIL

TOA TOP OF ANTENNA

TOC TOP OF CURB

TOF TOP OF FOUNDATION

TOP TOP OF PLATE (PARAPET)

TOS TOP OF STEEL

TOW TOP OF WALL

TVSS TRANSIENT VOLTAGE SUPPRESSION SYSTEM

TYP TYPICAL

UG UNDERGROUND

UL UNDERWRITERS LABORATORY

UNO UNLESS NOTED OTHERWISE

UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS

SYSTEM

UPS UNINTERRUPTIBLE POWER SYSTEM

(DC POWER PLANT)

VIF VERIFIED IN FIELD

W WIDE

W/ WITH

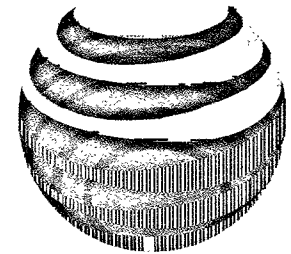
WD WOOD

W.P. WORK POINT

WP WEATHERPROOF

WT WEIGHT

ABBREVIATIONS



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

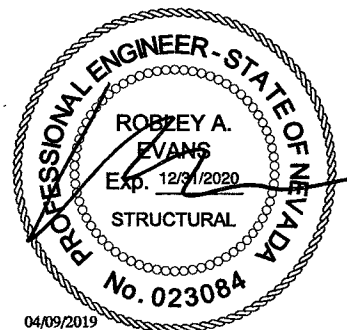
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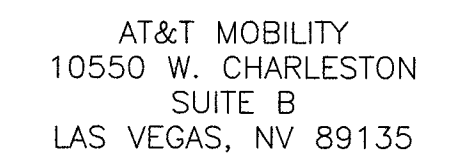


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ADJACENT TO
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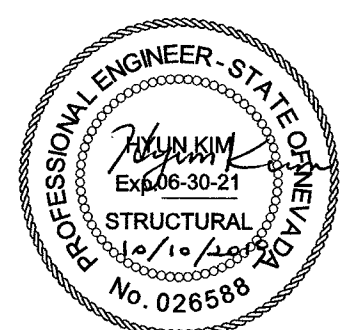
SHEET TITLE
GENERAL NOTES, LEGEND
AND ABBREVIATIONS

SHEET NUMBER
GN-1



BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

CHECKED BY:	GAC
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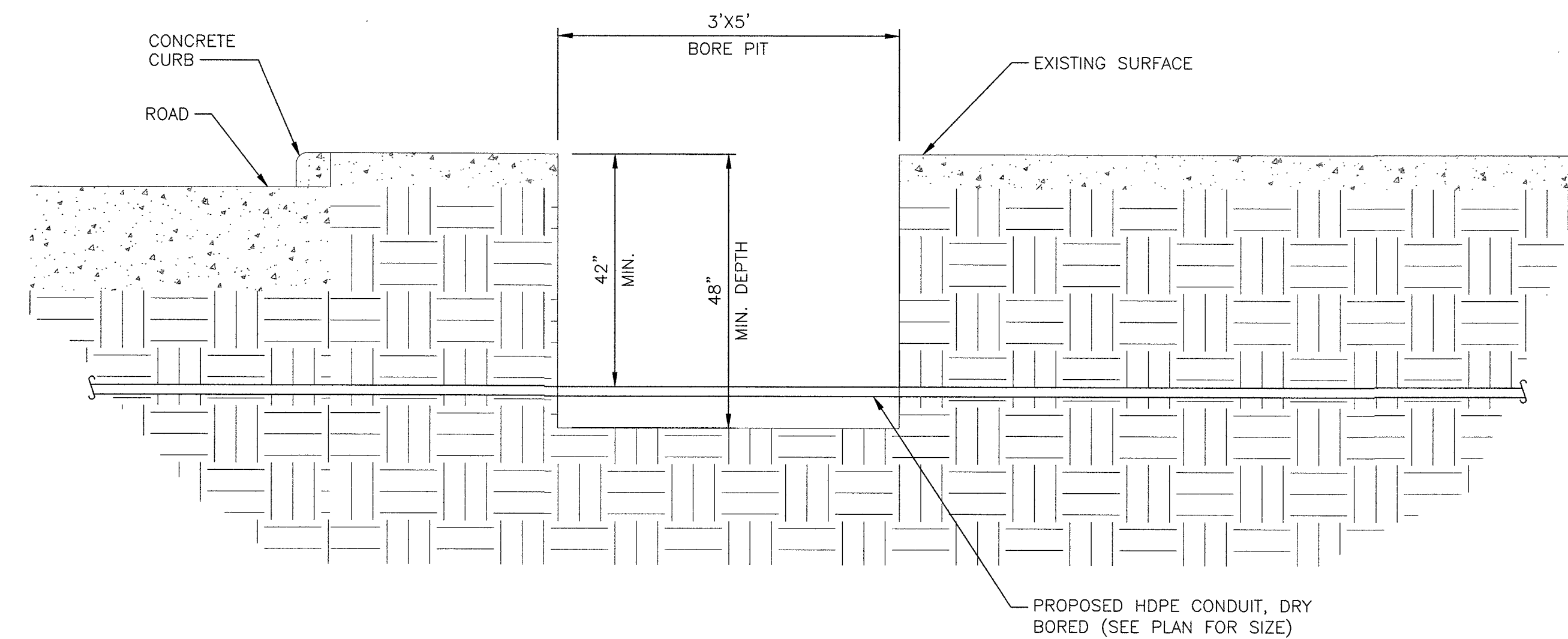
[illegible]

IT IS A VIOLATION OF LAW FOR ANY PERSON,
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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

NVLO8185F_R02
ADJACENT TO
8613 W. DEER SPRINGS WAY
LAS VEGAS, NV 89149
PICO SMALL CELL

SHEET TITLE
BORE PIT AND CONDUIT
INSTALLATION DETAILS

D-1



BORE PIT DETAIL

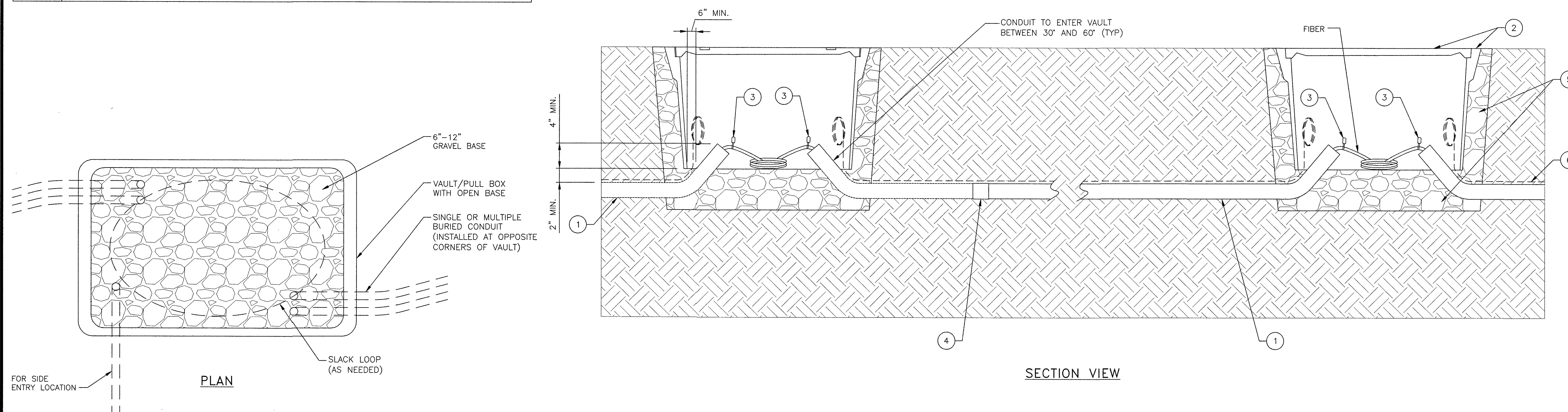
NO SCALE

1

ID#	DESCRIPTION
1	CONDUIT, 1.25" DIA, SMOOTH WALL, SDR 11 W/ PULL TAPE, HDPE, NO LUBE, ORANGE
2	PROPOSED VAULT/PULL BOX WITH COVER, SEE HAND HOLE DETAILS
3	POWER CABLE ID TAG
4	1.25" HDPE CONDUIT COUPLERS
5	SEE HAND HOLE DETAILS FOR PROPER VAULT/PULL BOX MATERIALS, BASED ON LOCATION
6	TRACER WIRE (#10)

NOTES:

1. CALL FOR UTILITY LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION.

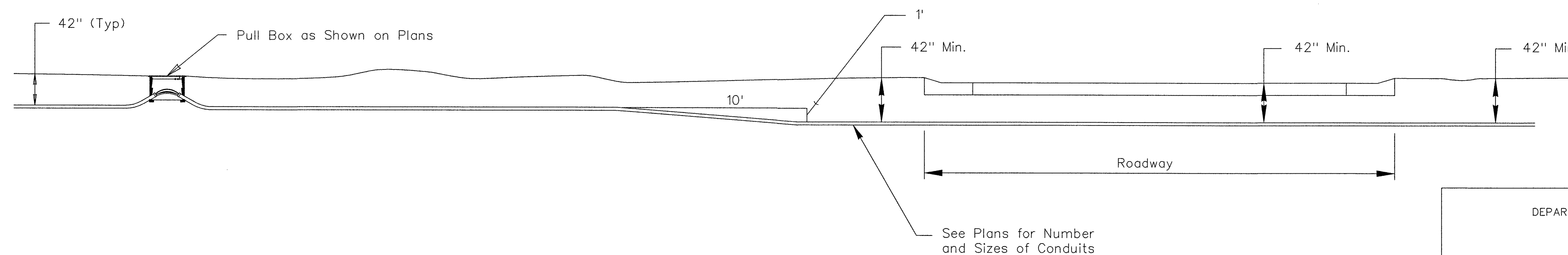
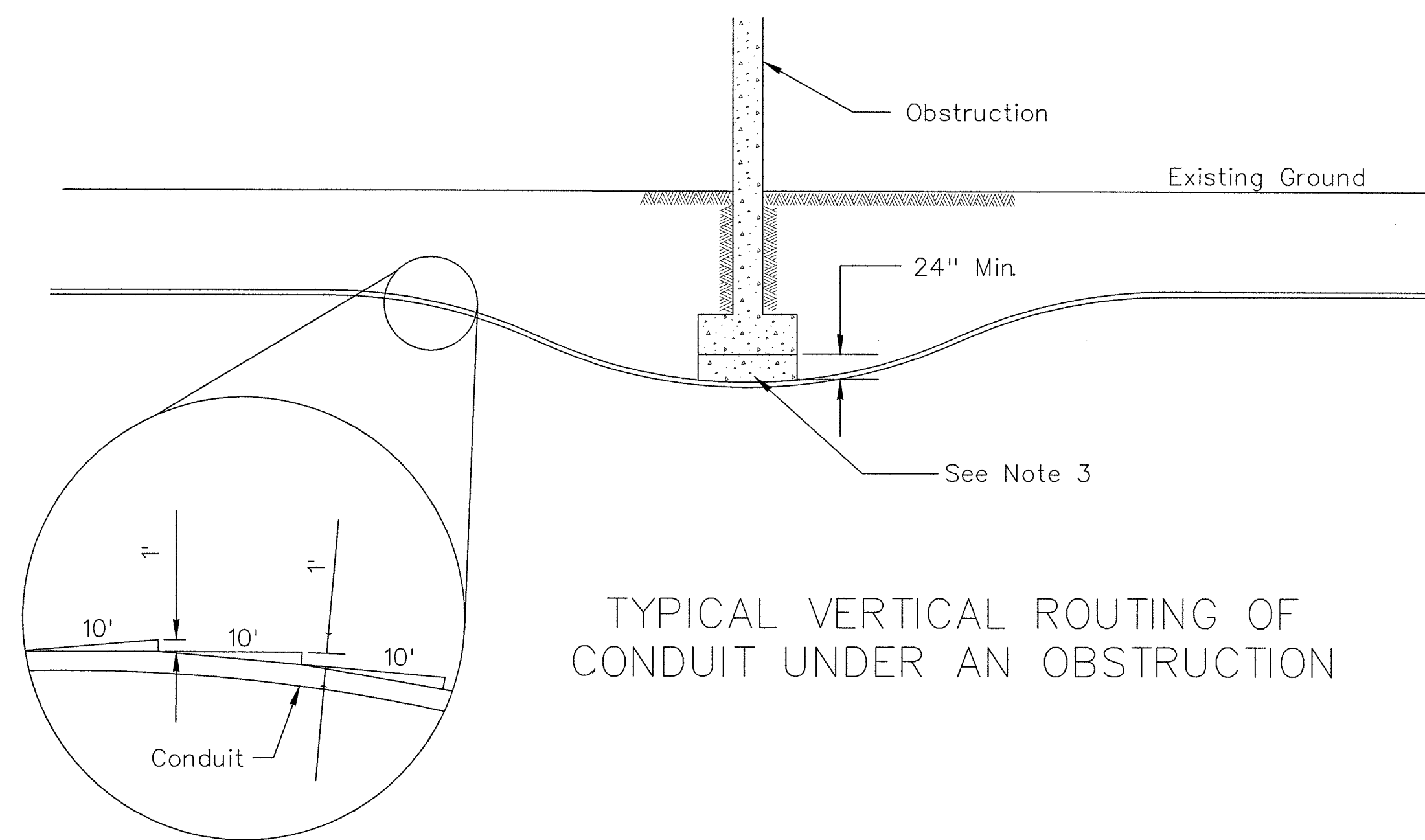
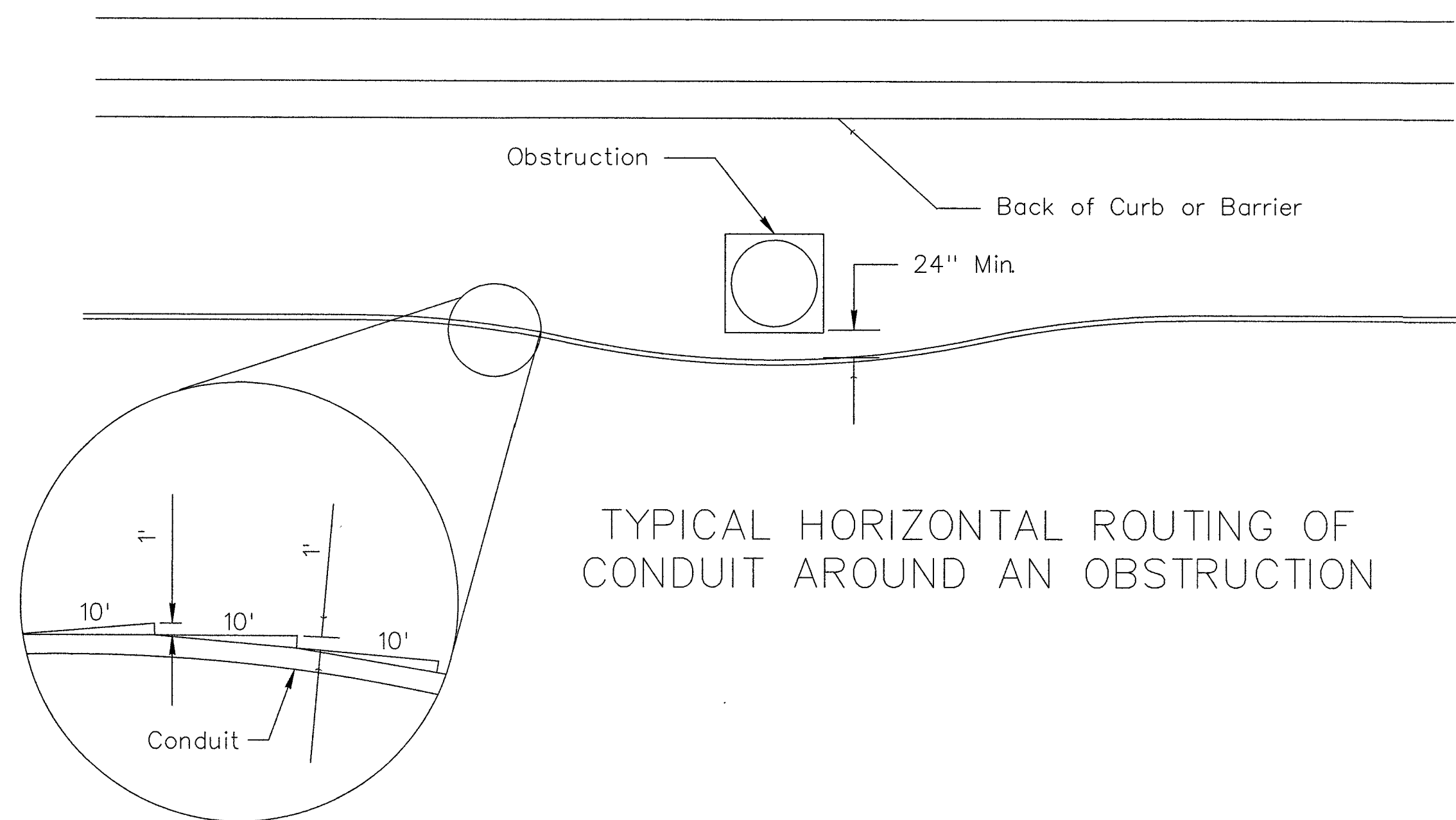


SECTION VIEW

UNDERGROUND CONDUIT INSTALLATION – BORE (WITH LOCATE WIRE)

NO SCALE

2



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



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135

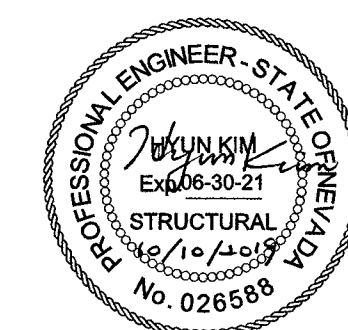


BLACK & VEATCH

BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO:	1487
DRAWN BY:	AVG
CHECKED BY:	GAC

REV	DATE	DESCRIPTION
1	10/09/19	AMENDED PER COMMENTS
0	03/26/19	ISSUED FOR CONSTRUCTION



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NVL08185F_R02
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PICO SMALL CELL

SHEET TITLE
DRILLING DETAILS

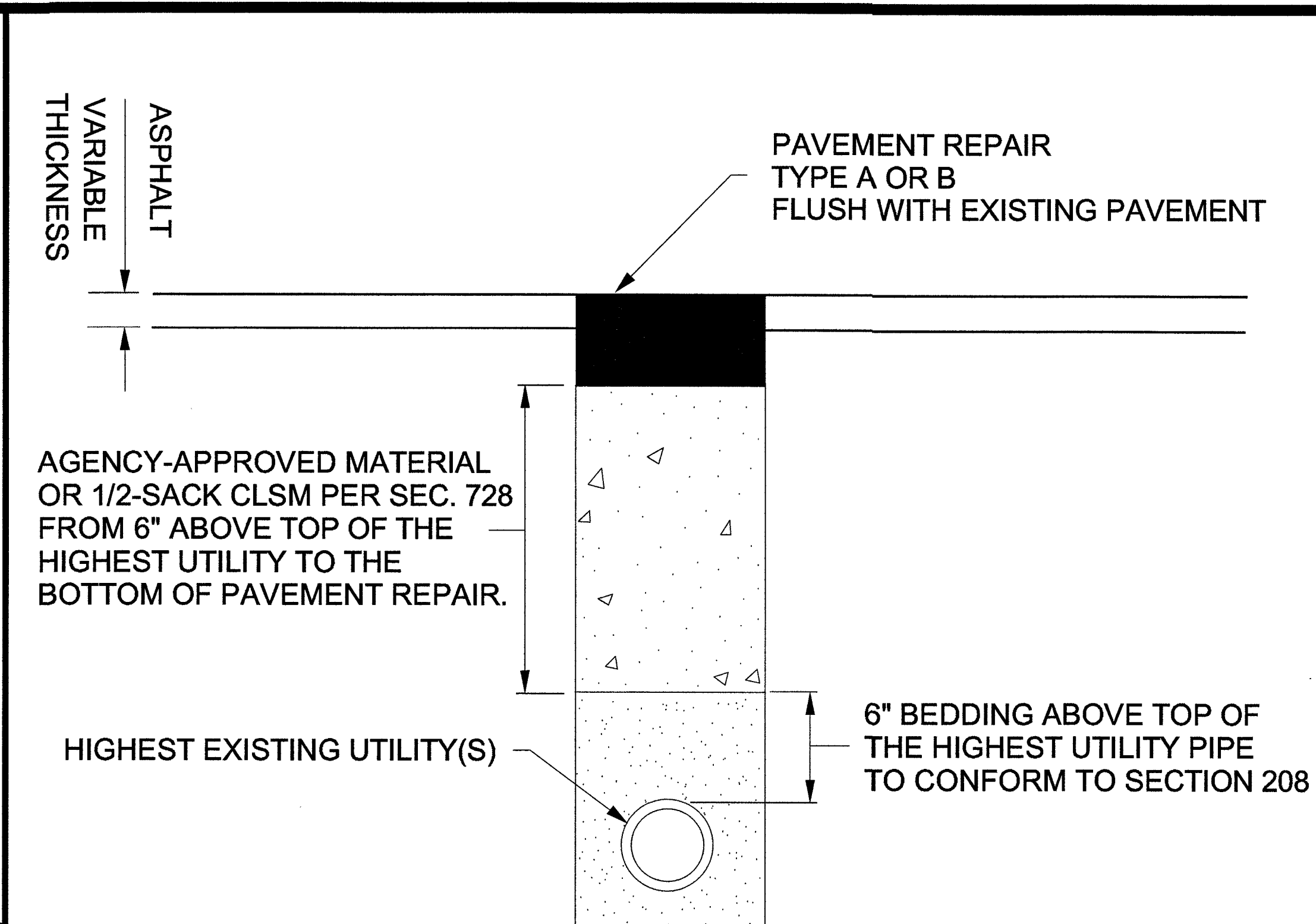
SHEET NUMBER

D-2

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.

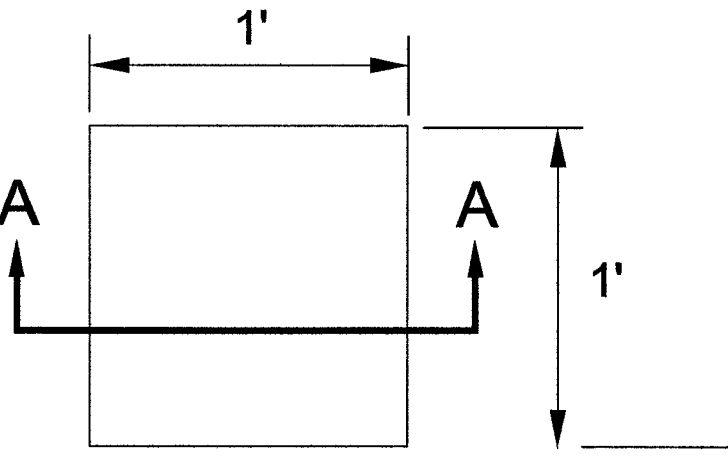
215	KEYHOLE POT HOLE EXCAVATION	SPECIFICATION REFERENCE
	AND BACKFILL	

DATE 01-01-12	DWG. NO. 506	UTILITY POT HOLE REPAIR

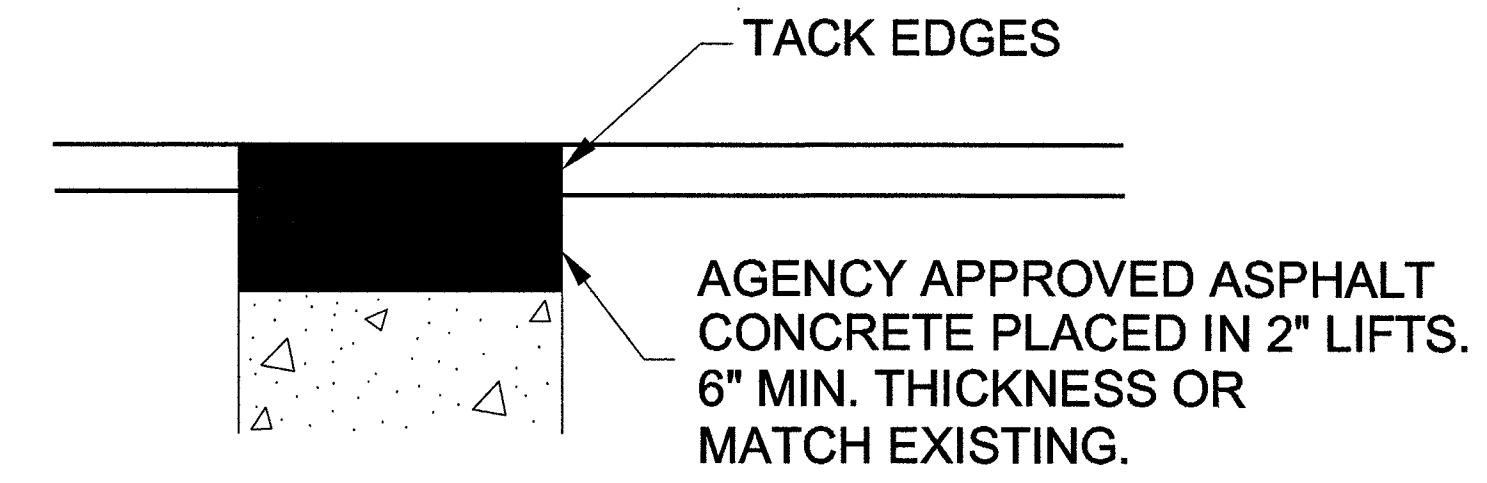


SECTION A-A

TYPE A - CUT & PATCH REPAIR
OPTIONAL FOR ROW WIDTH 60' OR LESS

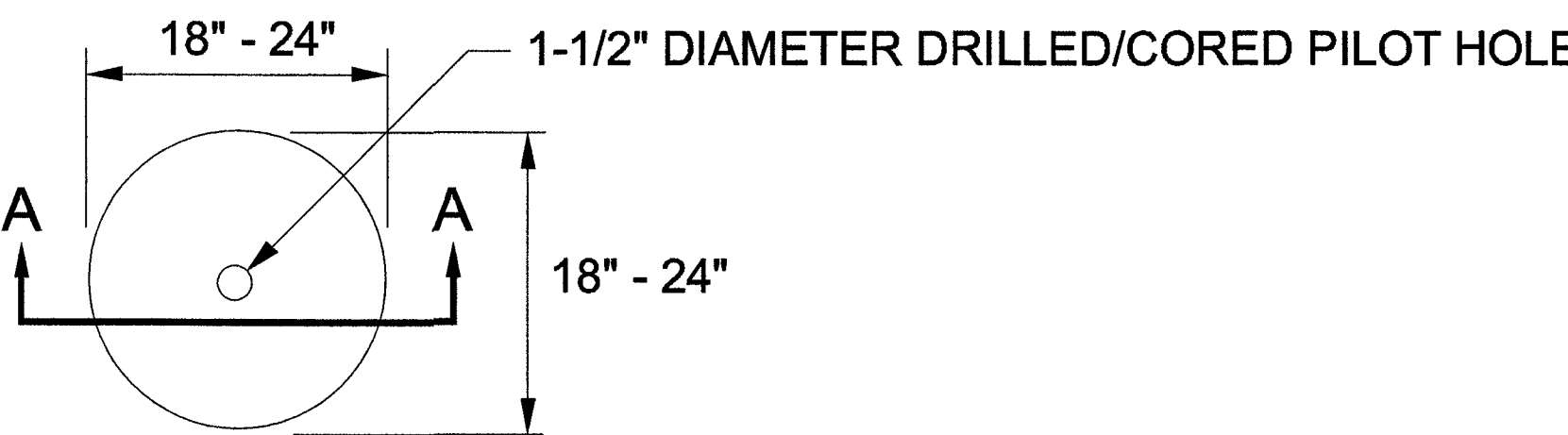


NOTE: EDGES SHALL BE CUT TO A NEAT VERTICAL FACE.
POT HOLE PLAN VIEW
(NOMINAL DIMENSIONS)

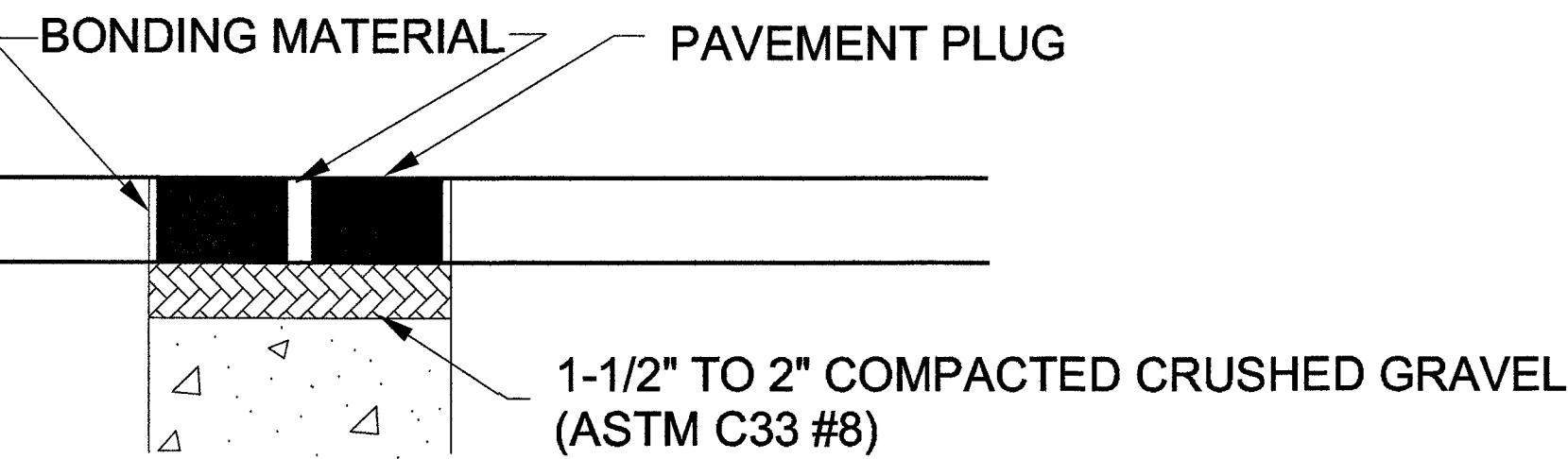


TYPE B - KEYHOLE REPAIR
REQUIRED FOR ROW WIDTH GREATER THAN 60'
OPTIONAL FOR ROW WIDTH 60' OR LESS

- NOTES:
1. CUT AND REMOVE PAVEMENT PLUG WITH AN APPROVED KEYHOLE CORING DEVICE. PAVEMENT TO BE CORED SHALL CONTAIN NO CRACKS AND SHALL BE AT LEAST 4" THICK. IF PLUG IS DAMAGED OR IS LESS THAN 4" THICK, REPLACE PLUG WITH A "FARMED" ASPHALT PLUG FROM AN APPROVED SITE. FARMED PLUGS SHALL BE AT LEAST 4" THICK AND AT LEAST ONE INCH THICKER THAN EXISTING ASPHALT.
 2. BONDING MATERIAL SHALL BE A SINGLE COMPONENT CEMENTITIOUS RAPID HARDENING, HIGH STRENGTH, WATERPROOF BONDING AGENT THAT ALLOWS THE CORE TO SUPPORT AT LEAST THREE TIMES AASHTO H-25 LOADING WITHIN 30 MINUTES OF APPLICATION. BOND AGENT MUST SHOW A MINIMUM 20 PSI BOND STRENGTH (ASTM C882) AND A MINIMUM 200 PSI COMPRESSIVE STRENGTH (ASTM C109) IN 30 MINUTES.
 3. AGENCY-APPROVED BACKFILL BELOW REPAIR SHALL BE PER SECTION 215.
 4. FILL KEYHOLE WITH BONDING MATERIAL DURING REPAIR.
 5. PRIOR AGENCY APPROVAL IS REQUIRED FOR MULTIPLE KEYHOLE REPAIRS WITHIN A GIVEN ROADWAY SEGMENT.
 6. A 5 YEAR WARRANTY IS REQUIRED ON ALL REPAIRS.



POT HOLE PLAN VIEW
(NOMINAL DIMENSIONS)



POT HOLE PROFILE

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POT HOLE REPAIR DETAILS

SHEET NUMBER
D-3