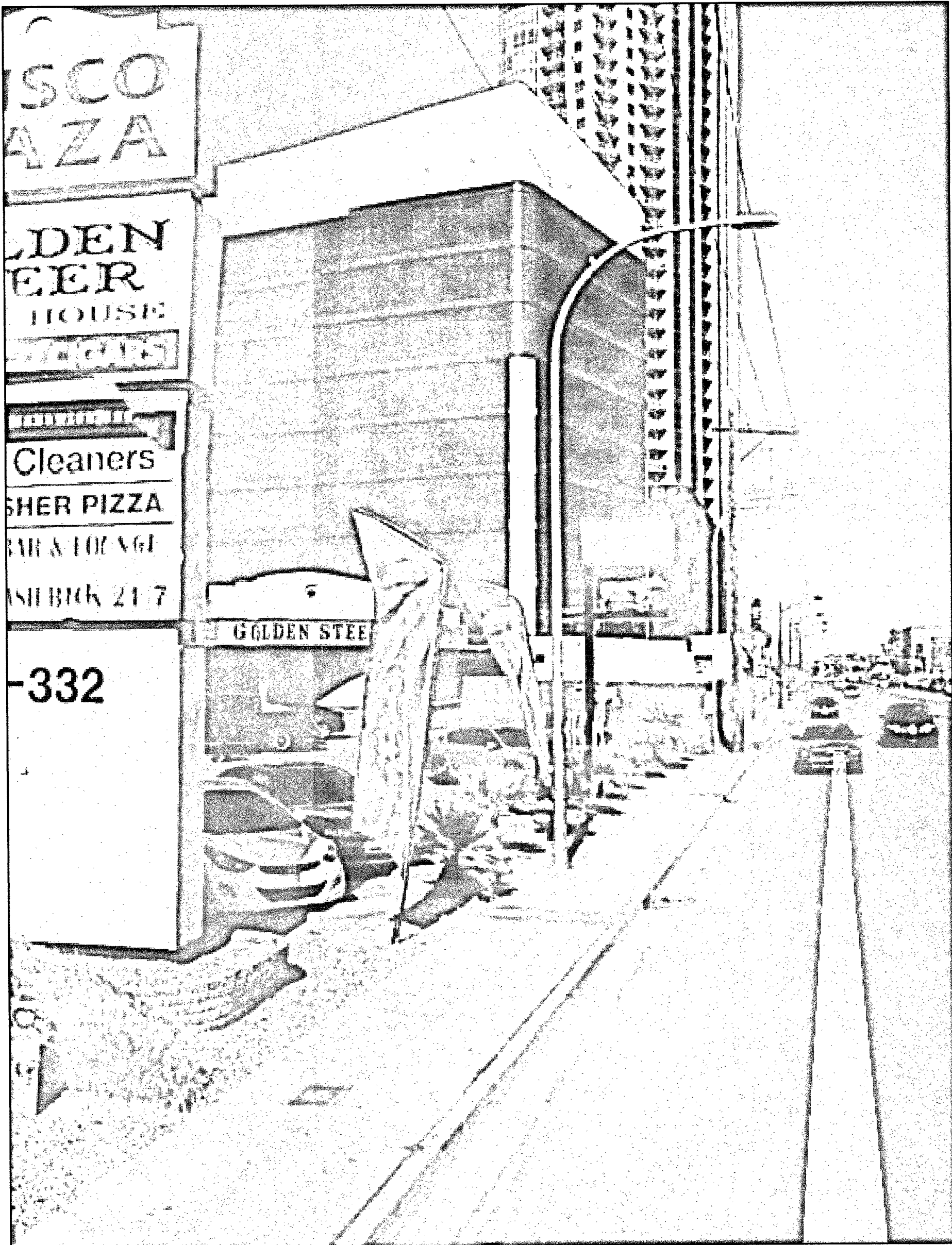




SITE PHOTO

1. THE FACILITY IS AN UNOCCUPIED SPECIALIZED MOBILE RADIO FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
4. THE CONTRACTOR SHALL RECEIVE IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES, OR REGULATION TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT MANAGER AND WITH LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 16 OF THE INTERNATIONAL BUILDING CODE REGARDING EARTHQUAKE PIPING. LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
11. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
12. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
15. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
16. CONTRACTOR IS TO SPRAY WITH EPA APPROVED WEED CONTROL PRIOR TO PLACING 4" AGGREGATE BASE GEOTECH FABRIC AND CRUSHED ROCK. TYPICAL INSIDE ENTIRE SITE.

PROJECT GENERAL NOTES

1. ELEVATIONS ARE NORTH AMERICAN VERTICAL DATUM 1988.
2. NO SURVEY PERFORMED; SITE MAPPING ONLY.
3. THE ENGINEER SPECTRUM SERVICES, INC. AND REPRESENTATIVES OF THE OWNER, MUST BE NOTIFIED AT LEAST TWO FULL DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AT (702) 367-7705.
4. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
5. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
6. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-CONSTRUCTED DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
7. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
8. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
10. THE BUILDING DEPARTMENT ISSUING THE BUILDING PERMIT SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK OR AS STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
11. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
12. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
13. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
14. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
15. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
16. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
17. THE GRADES WITHIN THE FENCED IN AREA ARE TO BE ACHIEVED BY COMPACTING CLEAN FILL TO A DENSITY OF 90% OF STANDARD PROCTOR AND REPAVING WITH ASPHALT CONCRETE TO MATCH EXISTING.
18. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPERS, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
19. DRIVEWAY CONSTRUCTION, GRADING AND DRAINAGE WORK SHALL CONFORM TO NEVADA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR THE ROAD AND BRIDGE CONSTRUCTION", LATEST EDITIONS, AND ALL APPLICABLE PROVISIONS OR LOCAL COUNTY ORDINANCES.
20. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
21. SPECIAL INSPECTION: SPECIAL INSPECTIONS ARE REQUIRED FOR HIGH STRENGTH BOLTING BY THIRD PARTY INSPECTOR.
22. CONCRETE: IF THE CONCRETE MIX ACHIEVES ITS DESIGN STRENGTH PRIOR TO 28 DAY BREAK TEST, IT IS ACCEPTABLE FOR FINAL REPORT.
23. COMPRESSIVE STRENGTH TEST SPECIMENS WITH DIMENSIONS OF 4" X 8" MAY BE USED.

CONSTRUCTION NOTES



PROJECT INFORMATION:

LSV_KHAN_SC
SW-NV-LVSTEXP4-VZW
SW-NV-LVSTRI-00135

UNADDRESSED POLE
SAHARA AVENUE AND
LAS VEGAS BOULEVARD
LAS VEGAS, NEVADA 89109

CURRENT ISSUE DATE:

05/05/17

ISSUED FOR:

PROPOSED WORK

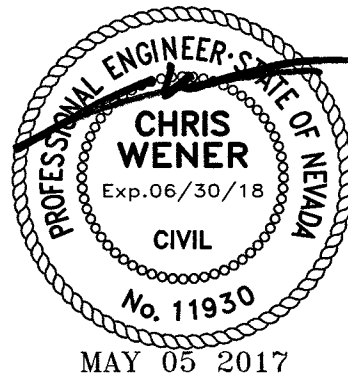
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REV.	DATE	DESCRIPTION	BY
2	05/05/17	BP REVISION	V.H.
1	03/20/17	100% PERMITTING	V.H.
0	03/17/17	90% PERMITTING	V.H.

PLANS PREPARED BY:



LICENSURE:



SHEET TITLE:

ABBREVIATIONS.
LEGEND, GENERAL &
CONSTRUCTION NOTES

SHEET NUMBER: REVISION:

C2

2

PROJECT INFORMATION:

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PLANS PREPARED BY:

SPECTRUM

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

LICENSURE:



SHEET TITLE:

SITE PLAN

SHEET NUMBER: REVISION:

C3

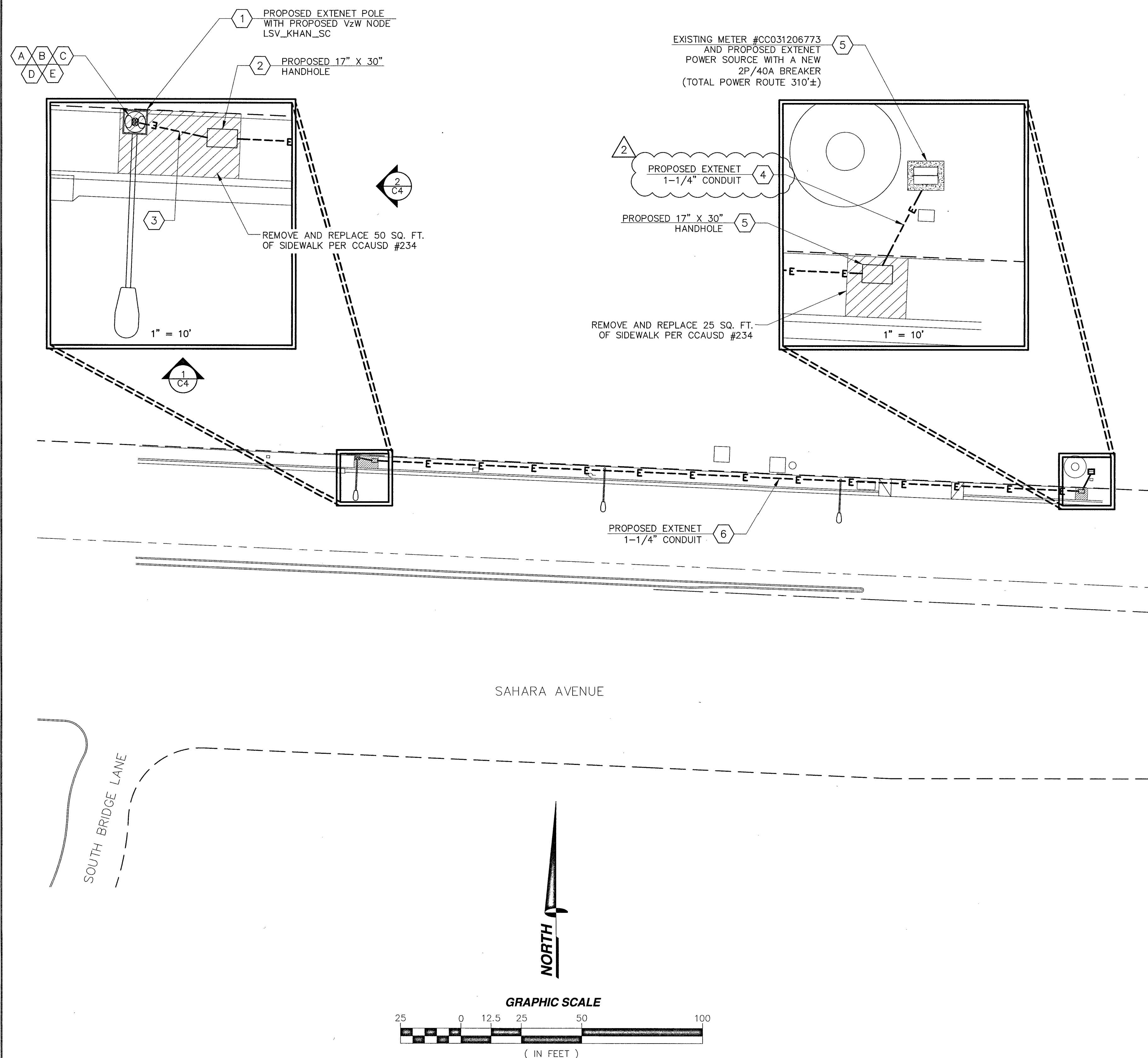
2

LEGEND

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

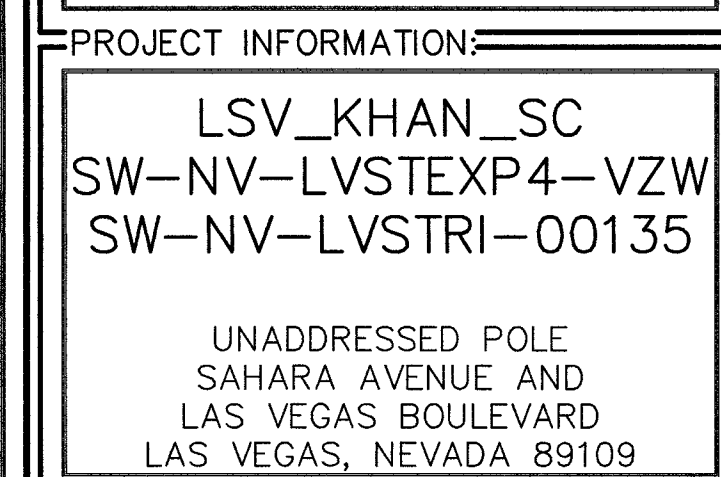
CONSTRUCTION NOTES

- PROPOSED 1-1/4" CONDUIT FOR POWER FROM NEW EXTENET POLE TO PROPOSED 17"x 30" VAULT AND (2) PROPOSED 1-1/4" CONDUITS FOR FIBER FROM EXTENET POLE TO PROPOSED 17"x30" VAULT. SEE DETAIL 1, SHEET C7.
- PROPOSED 17" X 30" EXTENET HANDHOLE. SEE DETAIL 2, SHEET C7 AND DETAIL 1, SHEET C8. REMOVE AND REPLACE SIDEWALK PANELS AS REQUIRED PER CCAUSD #234. SEE DETAIL 5, SHEET C7.
- OPEN TRENCH WITH (3) 1-1/4" CONDUITS. SEE DETAIL 3, SHEET C7. REMOVE AND REPLACE SIDEWALK PANELS AS REQUIRED PER CCAUSD #234. SEE DETAIL 5, SHEET C7.
- OPEN TRENCH WITH (1) 1-1/4" CONDUIT. SEE DETAILS 3 AND 5, SHEET C7.
- PROPOSED 17" X 30" EXTENET HANDHOLE. SEE DETAIL 2, SHEET C7 AND DETAIL 2, SHEET C8. REMOVE AND REPLACE SIDEWALK PANELS AS REQUIRED PER CCAUSD #234. SEE DETAIL 5, SHEET C7.
- N-DIRECTIONAL BORE WITH (1) 1-1/4" CONDUIT. SEE DETAILS 5, SHEET C7 AND DETAIL 3, SHEET C8.
- PROPOSED MOUNTING BRACKET ON PROPOSED EXTENET POLE. SEE DETAIL 1, SHEET C8.
- PROPOSED RRH ATTACHED TO MOUNTING BRACKET ON PROPOSED EXTENET POLE. SEE DETAIL 2, SHEET C8.
- PROPOSED DISTRIBUTION PANEL MOUNTED ON PROPOSED EXTENET POLE. SEE DETAIL 4, SHEET E1.
- PROPOSED ANTENNAS MOUNTED ON TOP OF PROPOSED EXTENET POLE SEE DETAIL 3 AND 4, SHEET C8.
- PROPOSED PANEL SCHEDULE FOR PROPOSED DISTRIBUTION PANEL SEE DETAIL 2, SHEET E1



SITE PLAN

11" X 17" SCALE | 24" X 36" SCALE
1" = 50' 1" = 25'



05/05/17

PROPOSED WORK

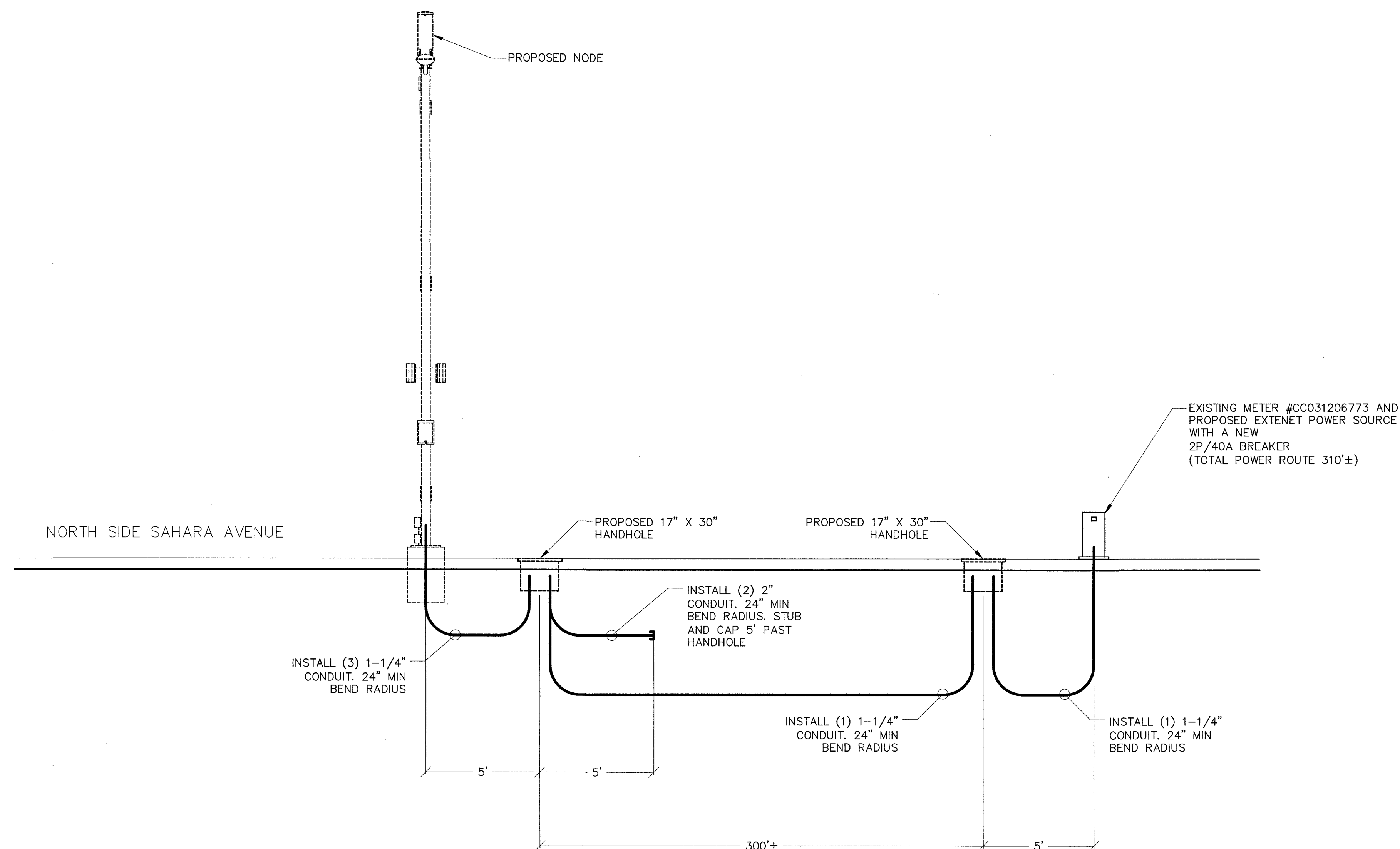
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SPECTRUM SERVICES, INC.
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CONDUIT DIAGRAM

C5

2



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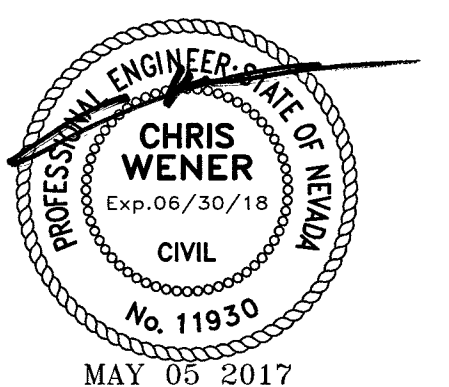
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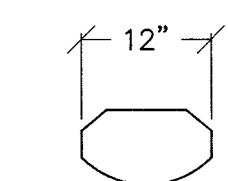
CONSTRUCTION DETAILS

SHEET NUMBER: REVISION:

C6 2

AMPHENOL HEX654CU0100x ANTENNA SPECIFICATIONS

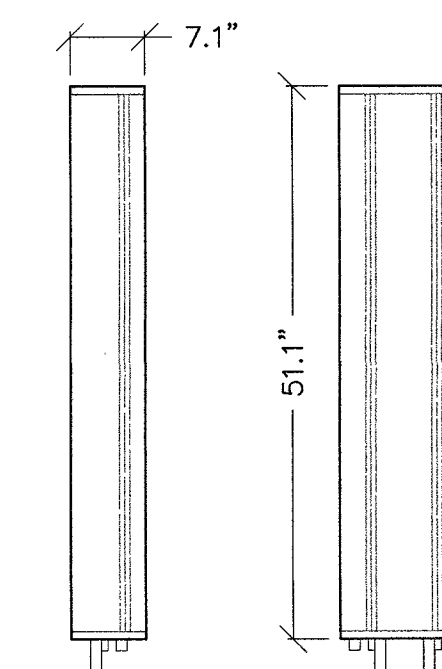
DIMENSION, LxWxD 1298x305x180mm (51.1"x12.0"x7.1")
NET WEIGHT 13.5 KG (29.8 LBS)
LIGHTNING PROTECTION DIRECT GROUND



TOP VIEW



BOTTOM VIEW



SIDE VIEW

FRONT VIEW

NOT USED

SCALE: NONE

5

ANTENNA DETAIL

SCALE: NONE

3

SPECIFICATIONS:

DESIGN CRITERIA:
POLE SHAFT:

ANCHOR BASE:

ANCHOR BOLTS:

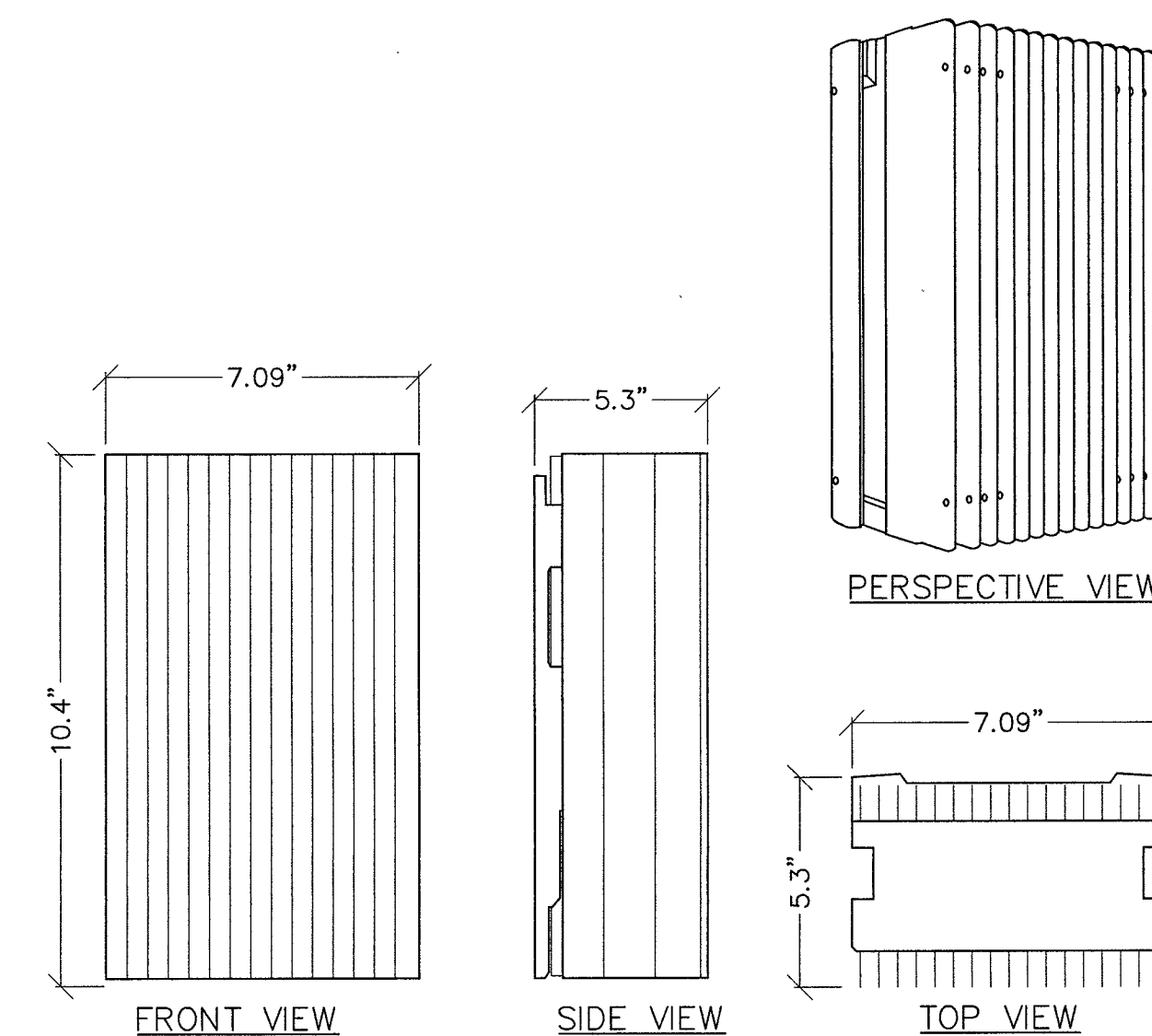
HANDHOLE:

FINISH:

POLE SHALL BE DESIGNED FOR 100 MPH STEADY WINDS. THE POLE SHAFT IS FABRICATED FROM A WELDABLE GRADE HOT-ROLLED CARBON STEEL PIPE AND HAS A MINIMUM YIELD STRENGTH OF 42,000 PSI. TUBING SHALL MEET ASTM-A36.
THE BASE PLATE IS FABRICATED FROM A STRUCTURAL QUALITY HOT-ROLLED CARBON PLATE THAT MEETS OR EXCEEDS THE REQUIREMENT OF ASTM-A36
ANCHOR BOLTS ARE FABRICATED FROM HOT-ROLLED CARBON STEEL BAR THAT MEET OR EXCEED REQUIREMENTS OF ASTM-A36. EACH BOLT HAS AN "L" BEND ON ONE END AND A MINIMUM 4" THREAD ON THE OTHER, WITH 2 NUTS AND 2 WASHERS (ASSEMBLED). THE ANCHOR BOLT IS HOT-DIPPED GALVANIZED PER ASTM-A153.
THE HANDHOLE CONSIST OF A 3" X 5" OVAL OPENING WITH 16 GAUGE COVER AND 2EA. 1/4" SCREWS. DOUBLE GROUNDING LUGS ARE INSTALLED INSIDE THE POLE SHAFT OPPOSITE THE HANDHOLE OPENING. THE POLE IS SAND BLASTED TO A NEAR WHITE FINISH AND TREATED WITH AN IRON PHOSPHATE SOLUTION. A HIGH QUALITY POLYESTER POWER IS THEN ELECTROSTATICALLY APPLIED AND CURED TO A MINIMUM 2.5 MIL. THICKNESS

NOKIA 9768 B66 (AWS1-3) 2x5W

COLOR: LIGHT GRAY
DIMENSIONS, H x W x D: 10.4" x 7.09" x 5.3"
VOLUME (WITHOUT ANTENNAS): <6.5L
WEIGHT, APPROXIMATELY (WITHOUT ANTENNAS): 15 LBS



FRONT VIEW

SIDE VIEW

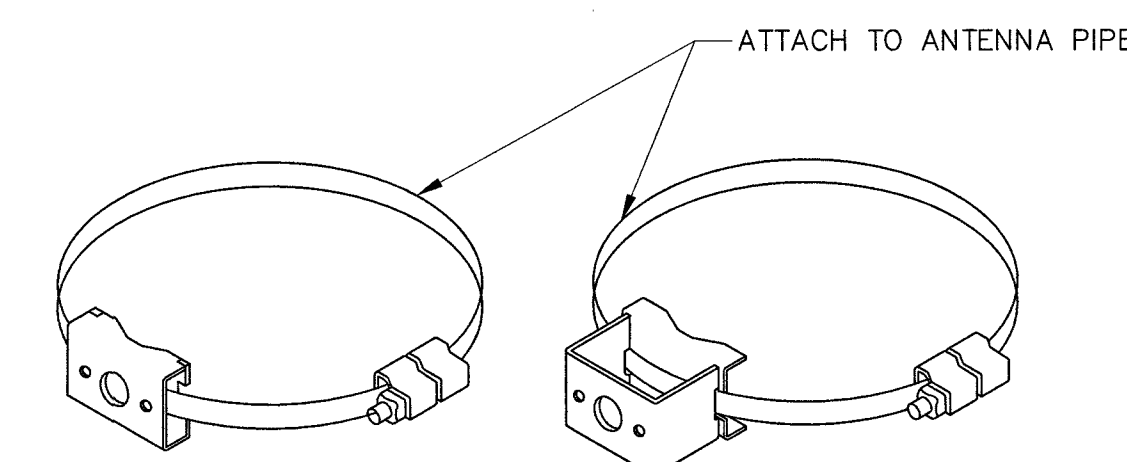
TOP VIEW

PERSPECTIVE VIEW

REMOTE RADIO HEAD (RRH)

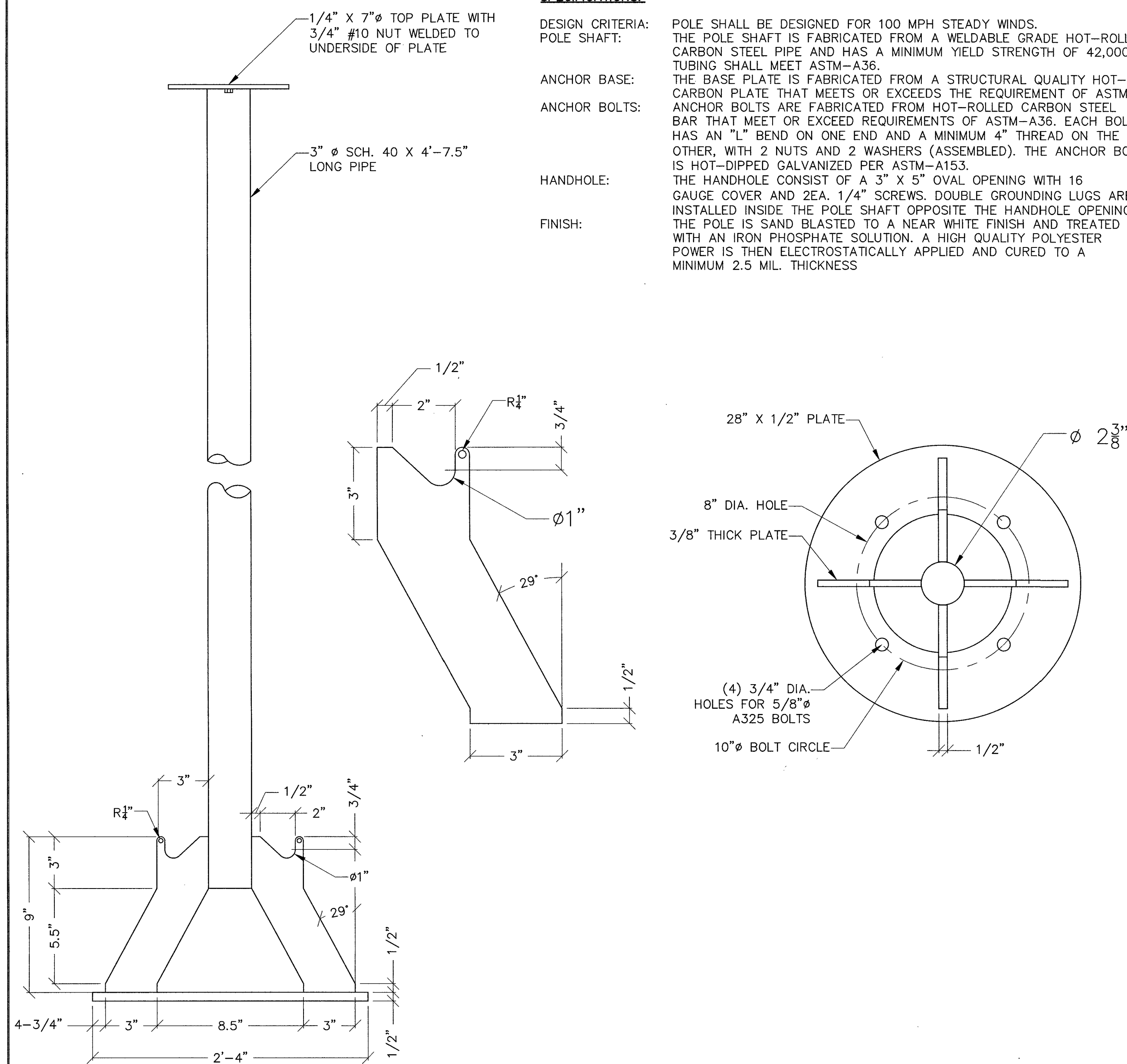
SCALE: NONE

2



POLE BAND WITH LOW PROFILE WELDMENT

POLE BAND WITH STANDARD WELDMENT



CEM-TEC APS ANTENNA MAST

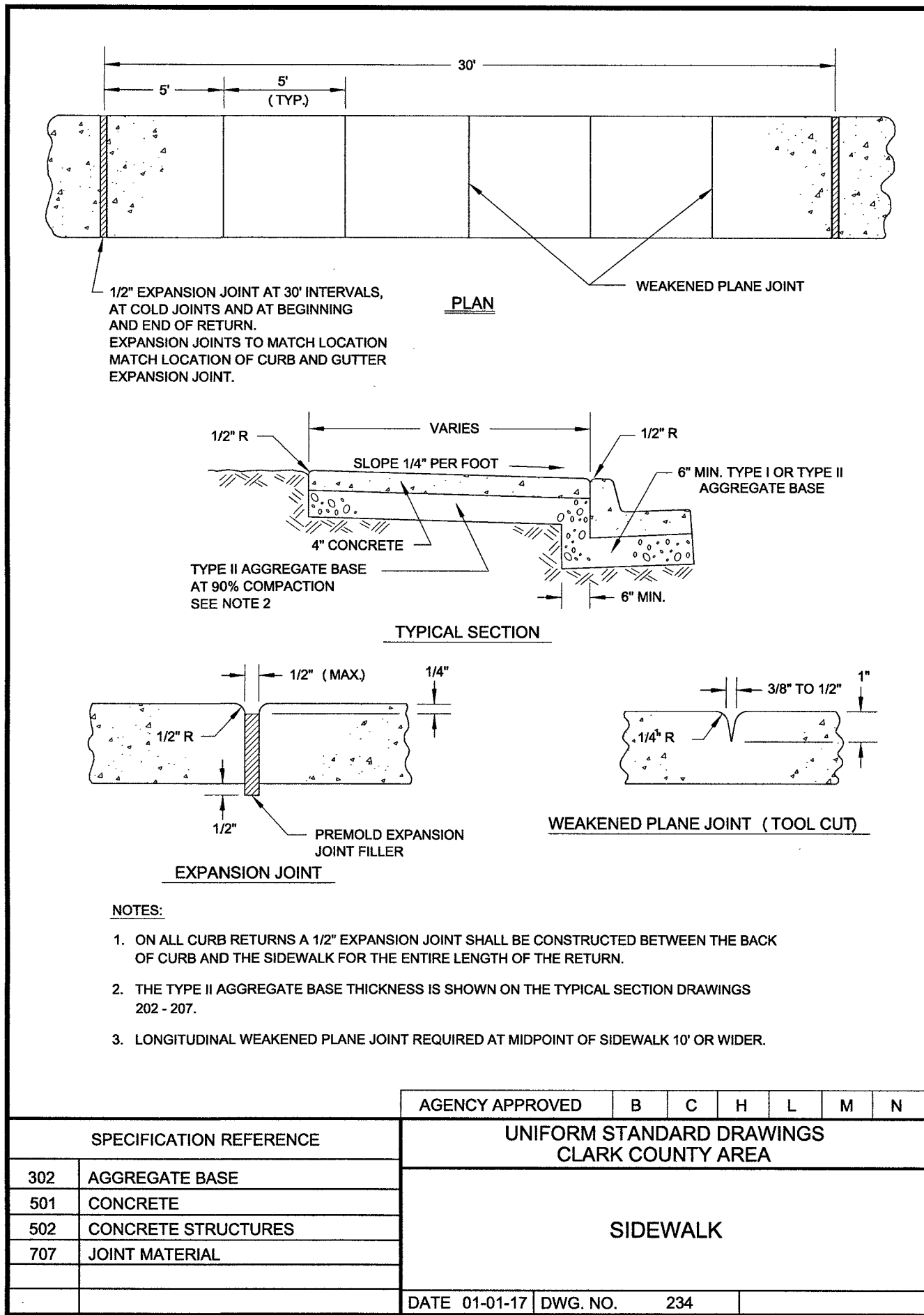
SCALE: NONE

4

MOUNTING BANDS

SCALE: NONE

1



CCAUSD #234 SIDEWALK RESTORATION

SCALE: 5
NONE

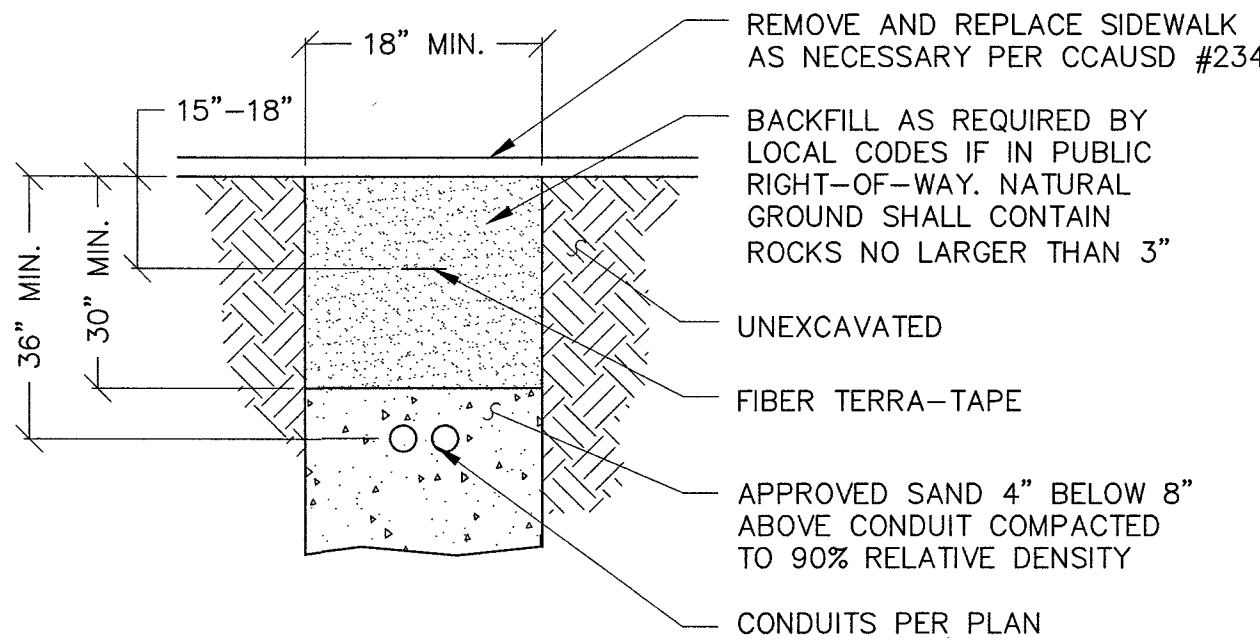
NOT USED

SCALE: 4
NONE

POLE POWER ROUTING

SCALE: 1
NONE

NOTE: TYPICAL INSTALLATION.
UTILITY DESIGN TAKES PRECEDENCE.



POWER AND FIBER TRENCHING

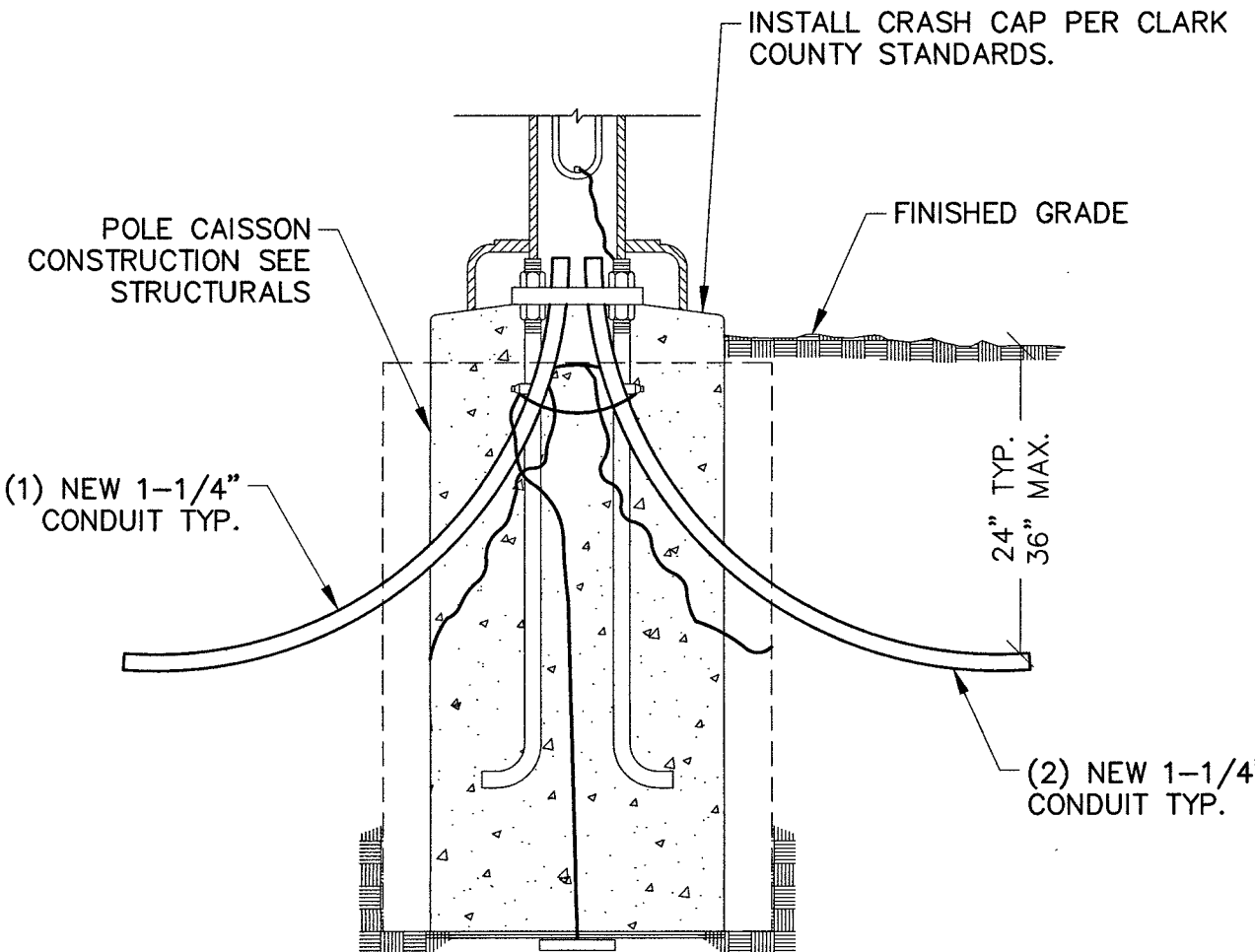
SCALE: 3
NONE

COVER FEATURES:
* PW - 10,400 LBS. WHEEL LOAD ON 10" X 10" PLATE.
* APPROX. WT. = 72 LBS.
* POLYMER CONCRETE
* ONE PIECE COVER
* FOUR BOLT DOWN
* COLOR: CONCRETE GRAY
* NON - SKID SURFACE

VAULT FEATURES:
* POLYMER CONCRETE RING AND FIBERGLASS REINFORCED POLYMER BODY
* COLOR OF RING: CONCRETE GRAY
* APPROX. WT. = 123 LBS.

17" X 30" HANDHOLE

SCALE: 2
NONE



SHEET TITLE:

CONSTRUCTION DETAILS

SHEET NUMBER: REVISION:

C7

2



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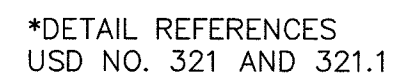
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LICENSURE:



- | | |
|--------|----------|
| SCALE: | 3 |
| NONE | |

SCALE:	2
NONE	

SCALE:	4
NONE	

SCALE:	1
NONE	



MAY 05 2017