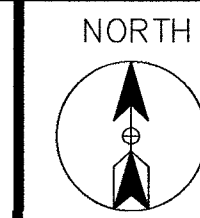


FQNID #:
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INDEX SHEET

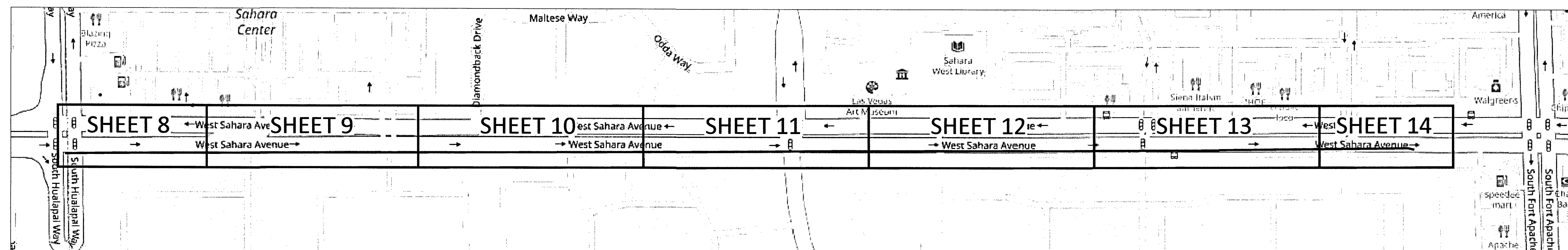
CITY OF LAS VEGAS, NEVADA



PROJECT: 917076, 917077,
917078, 917079,
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF LAS
VEGAS - 01-28-19
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
-------------------	----------

[illegible]

PROJECT LOCATION

PROJECT TOTALS SUMMARY

MATERIALS

2" HDPE CONDUIT(S):	42'
2.5" HDPE CONDUIT(S):	-
4" HDPE CONDUIT(S):	140'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	7
4' x 4' x 4' HANDHOLE(S):	-
MANHOLES:	-

WORK TYPE

AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	4,818'
TRENCH:	140'
ASPHALT CUT:	-
BORE:	-
 TOTAL NEW UG FOOTAGE:	 140'
TOTAL FOOTAGE:	4,958'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV BLUE WILLOW -
CITY OF LAS VEGAS - 01-28-19

PROJECT TITLE

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

[illegible]

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES, INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"=30'

VERTICAL:	NA
-----------	----

MP	TO MP
----	-------

SHEET 1 OF 15

FILE: LSV BLUE WILLOW -
CITY OF LAS VEGAS -
01-28-19

WILLOW\CONSTRUCTION DRAWINGS

GENERAL NOTES / CLARIFICATION NOTES

CITY OF LAS VEGAS GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLICWORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLICWORKS 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 SATISFACTORILY 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 (1/2") 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 CERTAINITIES 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

GENERAL NOTES

1. *WORLDCOM COMPRISES THE FOLLOWING OPERATING ENTITIES:
 - BROOKS FIBER PROPERTIES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - SOUTHERNET, INC.
 - MCI WORLDCOM NETWORK SERVICES, INC.
 - (COMPRISES MCI TELECOMMUNICATIONS CORP. (MCI LD) AND WORLDCOM NETWORK SERVICES, INC. (WORLDCOM LD)
 - MFS TELECOM, INC.
 - TELECOMXUSA, INC.
 - SOUTHERNET SYSTEMS, INC.
 - MCI WORLDCOM NETWORK SERVICES OF VIRGINIA
 - MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
 - *THE WORLDCOM FACILITIES WITHIN THIS CONSTRUCTION PACKAGE ARE HELD BY THE OPERATING ENTITY(IES) INDICATED IN BOLD TYPE.
2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, WORLDCOM TELECOMMUNICATIONS CORPORATIONS, AND THE RIGHT-OF-WAY GRANTOR.
3. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
 4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
 5. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT AND REPAIR IF DAMAGED.
 6. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
 7. EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
 8. SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
 9. BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK.
 10. ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (EG: PVC OR GSP/BSP), OR AS SPECIFIED.
 11. UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

ADDENDUM NOTES

CLARIFICATION NOTES

1. STATION
2. REFERENCE ORDER NUMBER
3. CLARIFICATION NO. AND/OR MINIMUM COVER
4. CLARIFICATION NO.
5. CLARIFICATION NO. AND/OR FOOTAGE
6. CLARIFICATION NO. AND/OR FOOTAGE
7. SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

- ```

210 JACK AND DRY BORE CONDUIT(S)
210 PLACE CONDUIT
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
213 ROCK ADDER
214 SLURRY BACKFILL ADDER
215 EXPOSE CONDUIT
216 EXPOSE CONDUIT AND RELOCATE
217 EXPOSE CONDUIT AND REPLACE/SUBSTITUTE
218 EXPOSE AND REMOVE CONDUIT
219 EXPOSE AND REMOVE CONDUIT (ABANDONED)
220 CONCRETE ENCASE
221 REMOVE CONCRETE ENCASEMENT
222 REMOVE CONCRETE CAP
240 PLACE HANDHOLE
244 REMOVE EXISTING HANDHOLE
245 RELOCATE HANHOLE
REPLACE/SUBSTITUTE HANDHOLE
247 EXCAVATE SPLICE PIT
250 PLACE MANHOLE
252 REMOVE EXISTING MANHOLE
255 RELOCATE PRECAST MANHOLE
256 REPLACE/SUBSTITUTE PRECAST MANHOLE
260 CONSTRUCT WALL
270 REMOVE AND RESTORE ASPHALT
280 REMOVE AND RESTORE CONCRETE
281 REMOVE AND RESTORE SIDEWALK
282 REMOVE AND RESTORE CURBING
310 ATTACH CONDUIT TO WALL OR STRUCTURE
315 DETACH CONDUIT FROM WALL OR STRUCTURE
320 CORE BORE
330 ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
410 PULL CABLE
411 PULL THROUGH DUCT (INNERDUCT)
415 REMOVE CABLE FROM CONDUIT
420 REPOSITION ACTIVE CABLE SLACK
510 DIRECT BURY CABLE
515 EXPOSE DIRECT BURIED CABLE
516 EXPOSE DIRECT BURIED CABLE AND RELOCATE
517 REMOVE AND DISPOSE OF CABLE
520 PLACE AERIAL CABLE
525 RELOCATE AERIAL CABLE
526 DELASH AERIAL CABLE
527 RELASH AERIAL CABLE
528 REMOVE AERIAL CABLE
530 PLACE POLE/PUSH BRACE
535 REMOVE POLE/PUSH BRACE
610 JETTING CONDUIT
620 EMBEDMENT PLDW
630 DIRECTIONAL BORE
710 PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM
WATER CROSSING SIGNS
711 PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING
HANDHOLES/MANHOLE
712 REMOVE BURIED CABLE MARKER POST/HARDWARE
714 REMOVE CONCRETE BURIED CABLE MARKER POST

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PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF LAS  
VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO. | QUANTITY |
|-------------------|----------|
|-------------------|----------|

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

LE: CELL SITE: LSV BLUE WILLOW  
CITY OF LAS VEGAS - 01-28-19

PROJECT TITLE

DATE: 1/28/2019

DRAWN BY: ADADKHAH

## REVISIONS

| DATE | DESCRIPTION | INITIAL |
|------|-------------|---------|
|      |             |         |
|      |             |         |
|      |             |         |
|      |             |         |
|      |             |         |

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## SCALE

HORIZONTAL :  $1''=30$

VERTICAL: NA

|    |       |
|----|-------|
| MP | TO MP |
|----|-------|

SHEET 2 OF

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS  
01-22-18



# NOTES CONTINUED/CONTACT SHEET

MCImetro Access Transmission Services Corp  
d/b/a Verizon Access Transmission Services

### OUTSIDE PLANT ENGINEERING:

PROJECT ENGINEER: CORY VANDENBOS  
SUPERVISOR: N/A  
MANAGER: N/A

OUTSIDE PLANT CONSTRUCTION:

PROJECT SUPERVISOR:  
FIELD CONST. SUPERINTENDENT:  
MANAGER: N/A

RIGHT-OF-WAY:

AGENT:  
MANAGER:

CONTRACTS:

COORDINATOR: N/A  
MANAGER: N/A

OTHERS:

PROGRAM MANAGER: N/A  
LIGHTWAVE ENGINEER: N/A  
CIVIL ENGINEER: N/A  
TERMINAL CONST. REP.: N/A  
SPLICING MANAGER: N/A  
TSD MANAGER: N/A

ENGINEERING CONTRACTOR

NAME OF FIRM: BPG DESIGNS 1-602-954-2223  
PROJECT MANAGER: CORY VENDENBOS 1-602-739-8813  
ENG. PROJECT SUPERVISOR:

CONSTRUCTION CONTRACTOR

NAME OF FIRM: TEAM FISHEL 1-702-644-4565  
PROJECT COORDINATOR:

## CITY GOVERNMENT

BUREAU OF ENGINEERING:

CITY ENGINEER:

## UTILITIES

|                          |                |
|--------------------------|----------------|
| WORLD.COM UTILITY LOCATE | 1-800-624-9675 |
| USA NORTH BLUESTAKE      | 811            |



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF LAS  
VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO. | QUANTITY |
|-------------------|----------|
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[illegible]

|                                      |                            |                                                                 |
|--------------------------------------|----------------------------|-----------------------------------------------------------------|
| MCI<br>COMMUNICATIONS SERVICES, INC. | OUTSIDE PLANT CONSTRUCTION | LOT: CELL SITE: LSV BLUE WILLOW<br>CITY OF LAS VEGAS - 01-28-19 |
|                                      |                            | PROJECT TITLE                                                   |

DATE: 1/28/2019

DRAWN BY: ADADKHAH

[illegible]

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SCALE

HORIZONTAL: 1"=30'

|           |    |
|-----------|----|
| VERTICAL: | NA |
|-----------|----|

MP \_\_\_\_\_ TO MP \_\_\_\_\_

SHEET 3 OF 15

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-18

0 10 20 30 40 50  
DRAWING SCALE IS IN FEET:  
(1"=60' AT 11"x17" print)  
(1"=30' AT 24"x36" print)

M:\VERIZON ONEFIBER\LAS VEGAS\LSV DURANGO\LSV BLUE WILLOW\CONSTRUCTION DRAWINGS



# SYMBOLS KEY

|                                                                | EXISTING/PROPOSED |
|----------------------------------------------------------------|-------------------|
| BURIED CABLE                                                   |                   |
| AERIAL CABLE                                                   |                   |
| SUBMARINE CABLE                                                |                   |
| FOGWIRE CABLE                                                  |                   |
| DIRECT BURIED HDPE                                             |                   |
| PVC OR SPLIT PVC CONDUIT                                       |                   |
| BSP/GSP OR SPLIT BSP/GSP CONDUIT                               |                   |
| STEEL CASING                                                   |                   |
| REMOVE AND RESTORE ASPHALT OR CONCRETE<br>(WIDTH AS INDICATED) |                   |
| CORE BORE                                                      |                   |
| JACK AND BORE                                                  |                   |
| DIRECTIONAL BORE                                               |                   |
| OPEN TRENCH                                                    |                   |
| FUTURE CABLE                                                   |                   |
| REMOVE CABLE                                                   |                   |
| TO BE REMOVED OR ABANDONED<br>(SHOWN FOR HDPE)                 |                   |
| AERIAL UTILITY (ELECTRIC)                                      |                   |
| UNDERGROUND UTILITY (TELEPHONE)                                |                   |
| MAIN TRACKS                                                    |                   |
| AUXILLARY TRACKS                                               |                   |
| CENTERLINE                                                     |                   |
| RIGHT-OF-WAY                                                   |                   |
| DITCH LINE                                                     |                   |
| CITY, COUNTY OR STATE BOUNDARY LINE                            |                   |
| PROPERTY LINE                                                  |                   |
| BLOCKWALL                                                      |                   |
| FENCE LINE                                                     |                   |
| GUARDRAIL                                                      |                   |
| TOP OF SLOPE                                                   |                   |
| TOE OF SLOPE                                                   |                   |

STEEL MARKER AND SIGN-(A)  
ALUMINUM "HUB"-STYLE MARKER-(B)  
FLAT MARKER-(C)  
TUBULAR MARKER-(D)  
TUBULAR MARKER, & ISOLATOR PROTECTOR-(E)

MILE POST MARKER  
NOTE:  
DASHED = NOT FOUND IN FIELD

PERMIT TRACKING FORM IDENTIFIER

UTILITY COVER DEPTH

HANDHOLE, VAULT OR PULLBOX

STREET LIGHT

WOOD POLE & STEEL POLE

ANCHOR ONLY

GUY ONLY

OVERHEAD GUY (ARROW IN DIRECTION OF PULL)

ANCHOR AND GUY

SIDEWALK ANCHOR AND GUY

FOREIGN ANCHOR AND GUY

PUSH BRACE (EXISTING POLE)

ACCOUNT CODE CHANGE (BURIED TO AERIAL)

RISER POLE

## BOND AND GROUND

CULVERT (SIZE AS INDICATED)

BRIDGE

METER

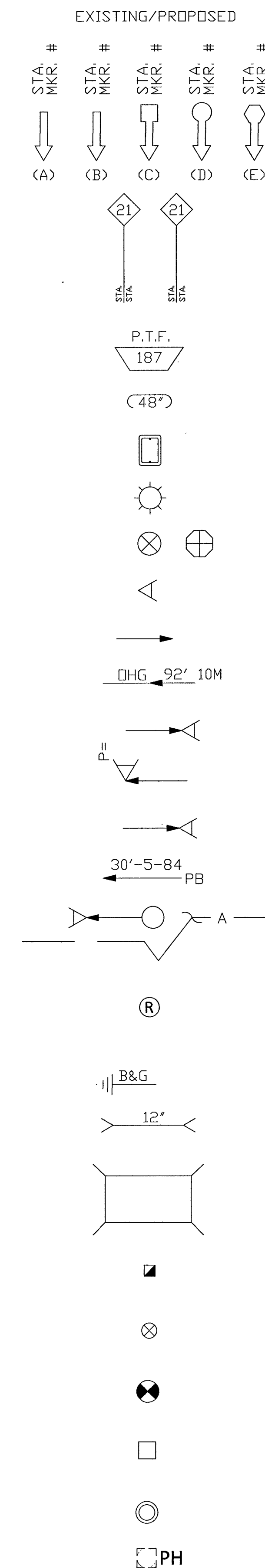
VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF LAS  
VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO. | QUANTITY |
|-------------------|----------|
|-------------------|----------|

[illegible]

MCI  
COMMUNICATIONS SERVICES, INC.

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| OUTSIDE PLANT CONSTRUCTION | TITLE: CELL SITE: LSV BLUE WILLOW -<br>CITY OF LAS VEGAS - 01-28-19 |
|                            | PROJECT TITLE                                                       |

DATE: 1/28/2019

DRAWN BY: ADADKHAH

[illegible]

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SCALE

HORIZONTAL: 1"=30'

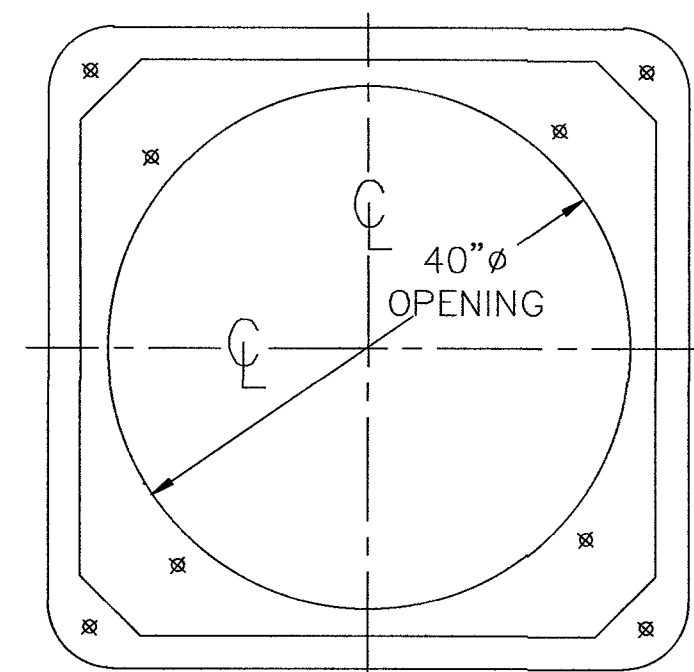
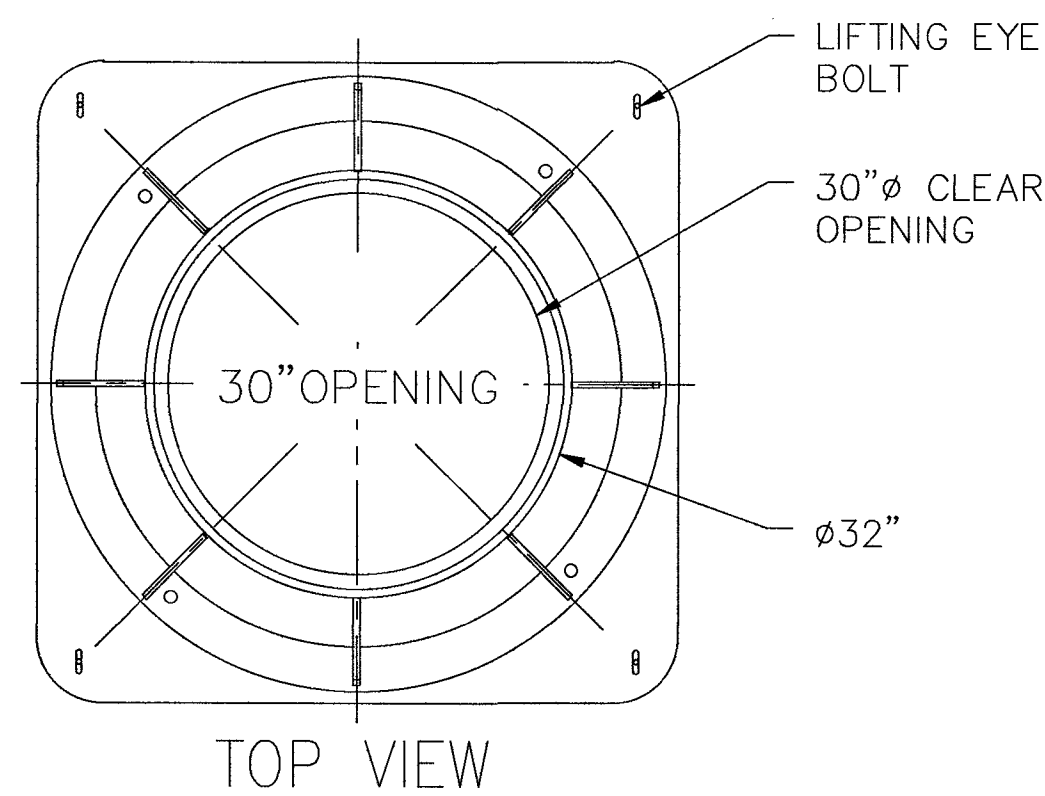
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| VERTICAL: | NA |
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| MP | TO MP |
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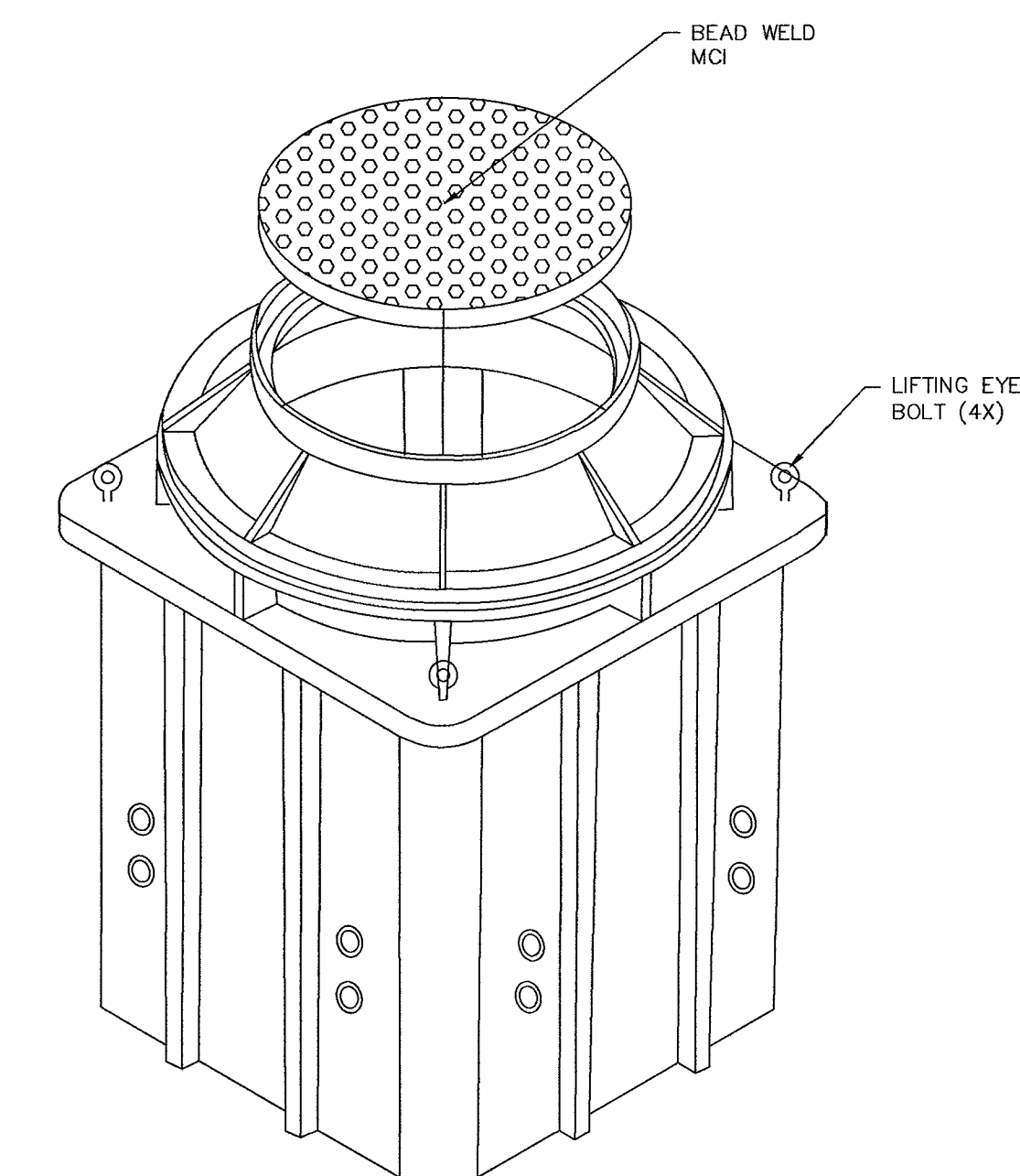
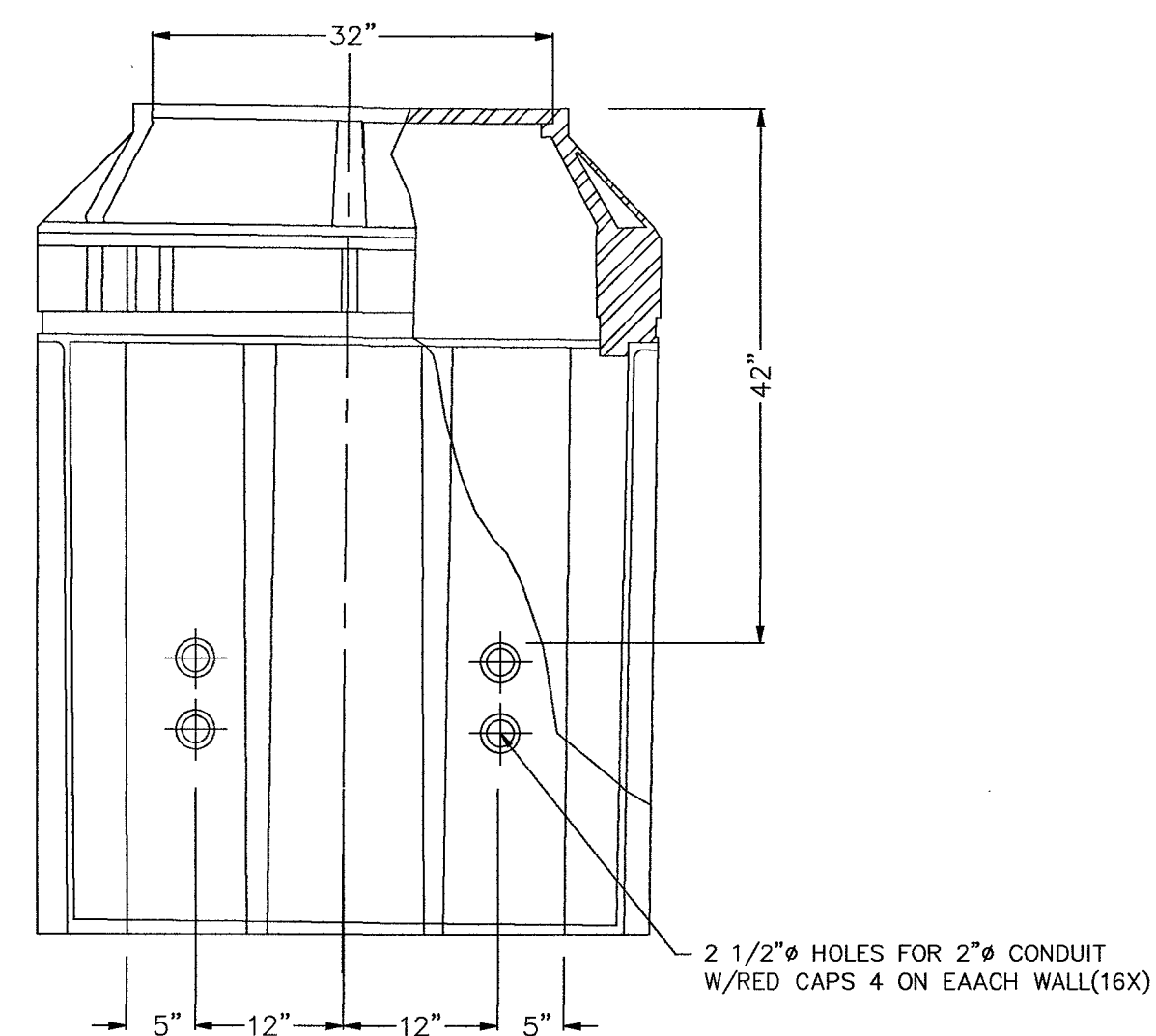
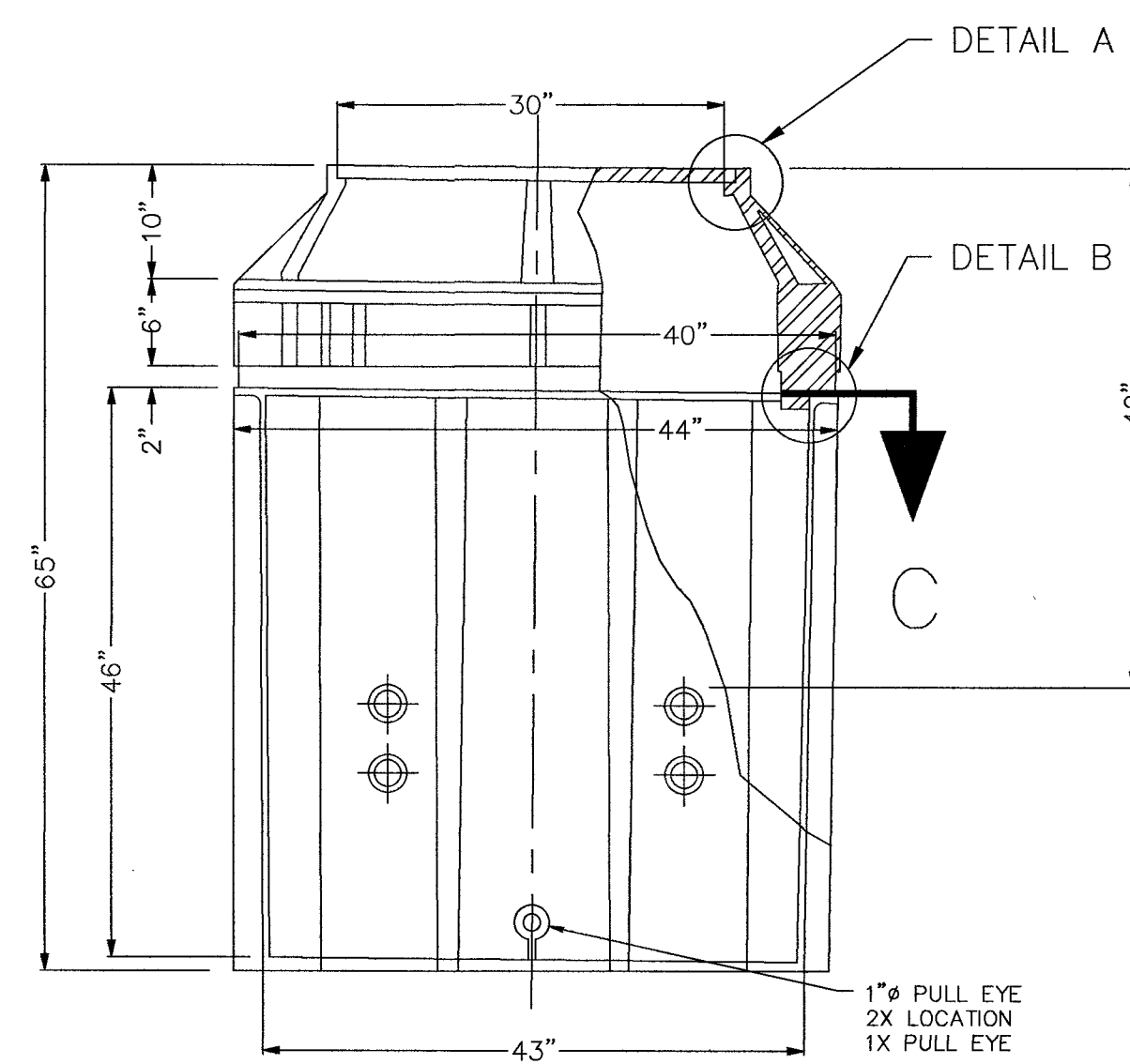
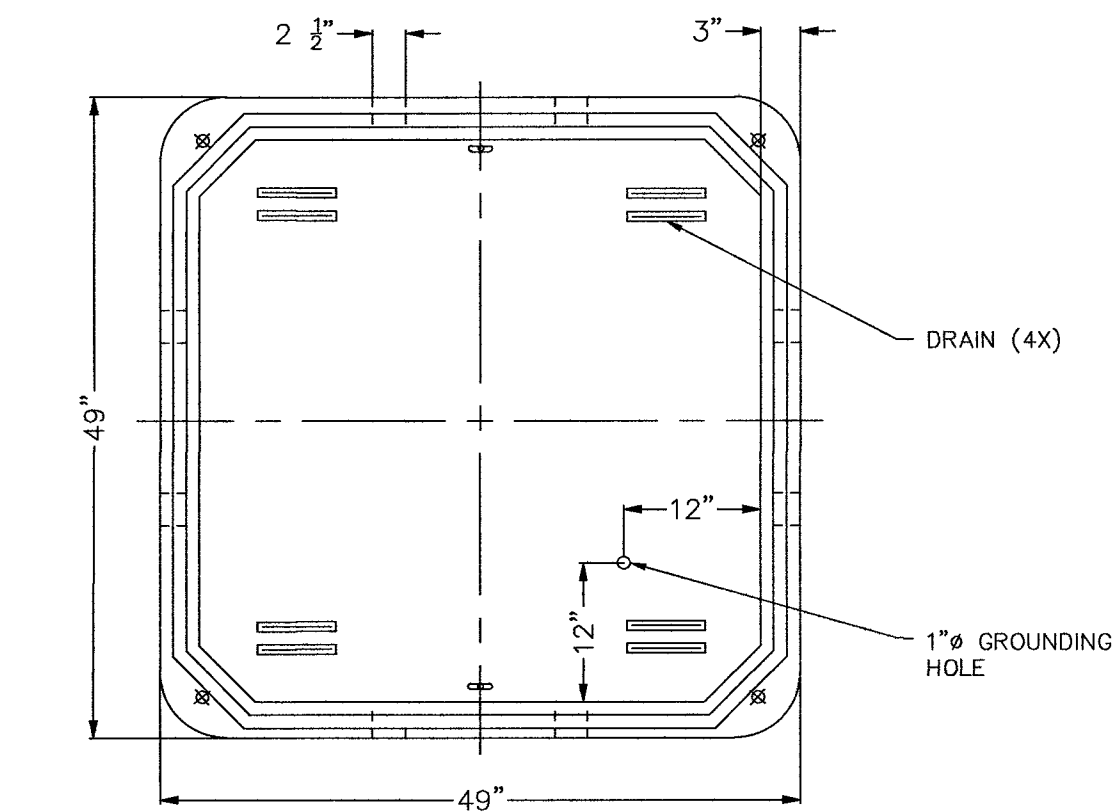
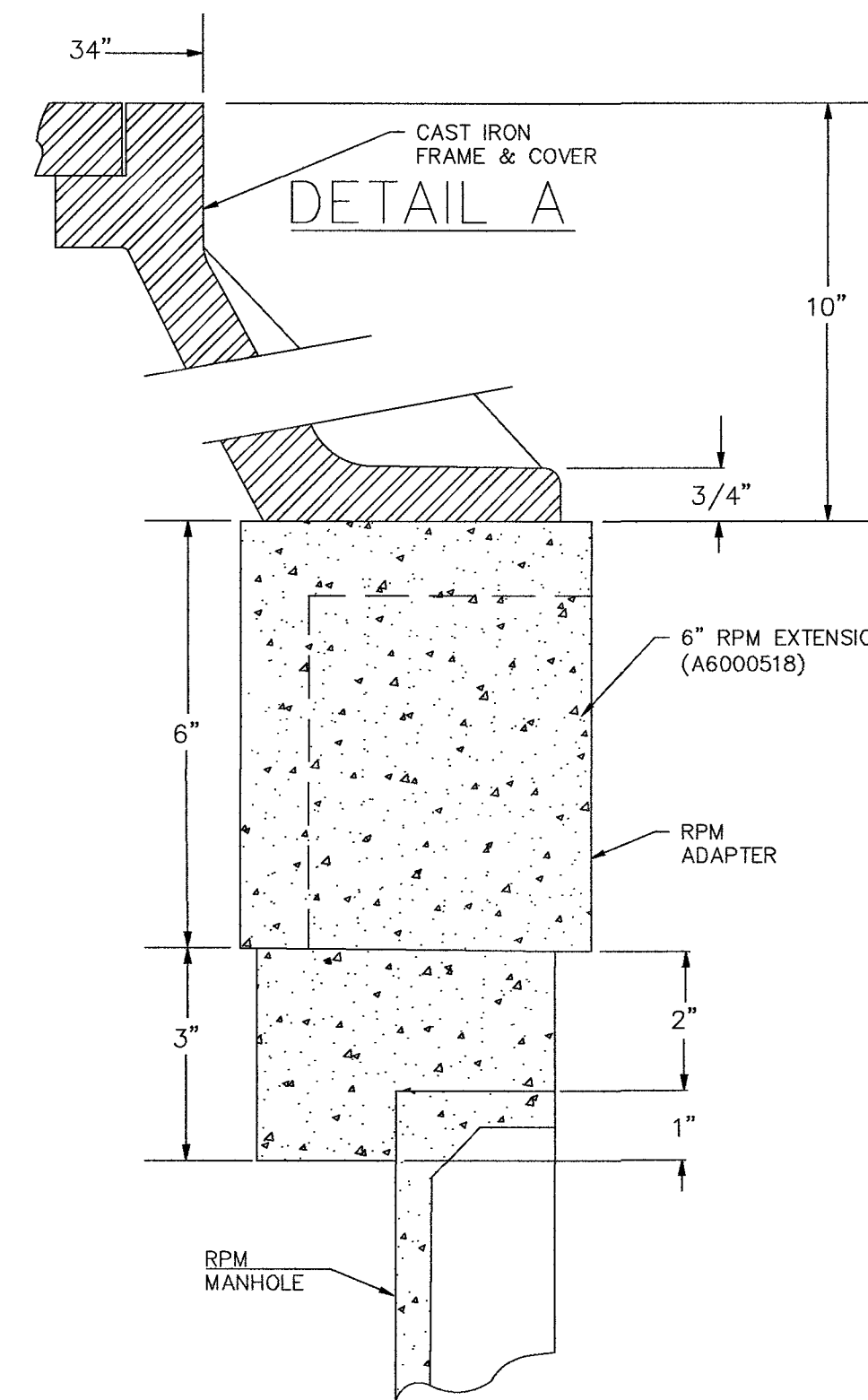
SHEET 4 OF 15

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19





POLYMER CONCRETE ADAPTER  
SECTION C-C



|                                                                     |              |                                                                             |                                    |
|---------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------|------------------------------------|
| 13230 SATICOY STREET<br>NORTH HOLLYWOOD, CA 91605<br>(818) 982-3500 |              | PART DESCRIPTION<br>4'X4'X4' POLYMER CONCRETE MANHOLE ASSEMBLY W/ EXTENSION |                                    |
| ARMORCAST PRODUCTS COMPANY                                          |              | CUSTOMER<br>MCI                                                             |                                    |
| DRAWN<br>GL                                                         | DATE<br>8/17 | SCALE<br>NONE                                                               | MAX LOAD<br>AASHTO H-20            |
| APPROV.<br>WS                                                       | DATE<br>8/17 | MATERIAL<br>FRP,RPM                                                         | DRAWING NUMBER<br>A6000514HTAPMC13 |



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF LAS  
VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19  
PROJECT TITLE

DATE: 1/28/2019  
DRAWN BY: ADADKHAH

| REVISIONS |             |         |
|-----------|-------------|---------|
| DATE      | DESCRIPTION | INITIAL |
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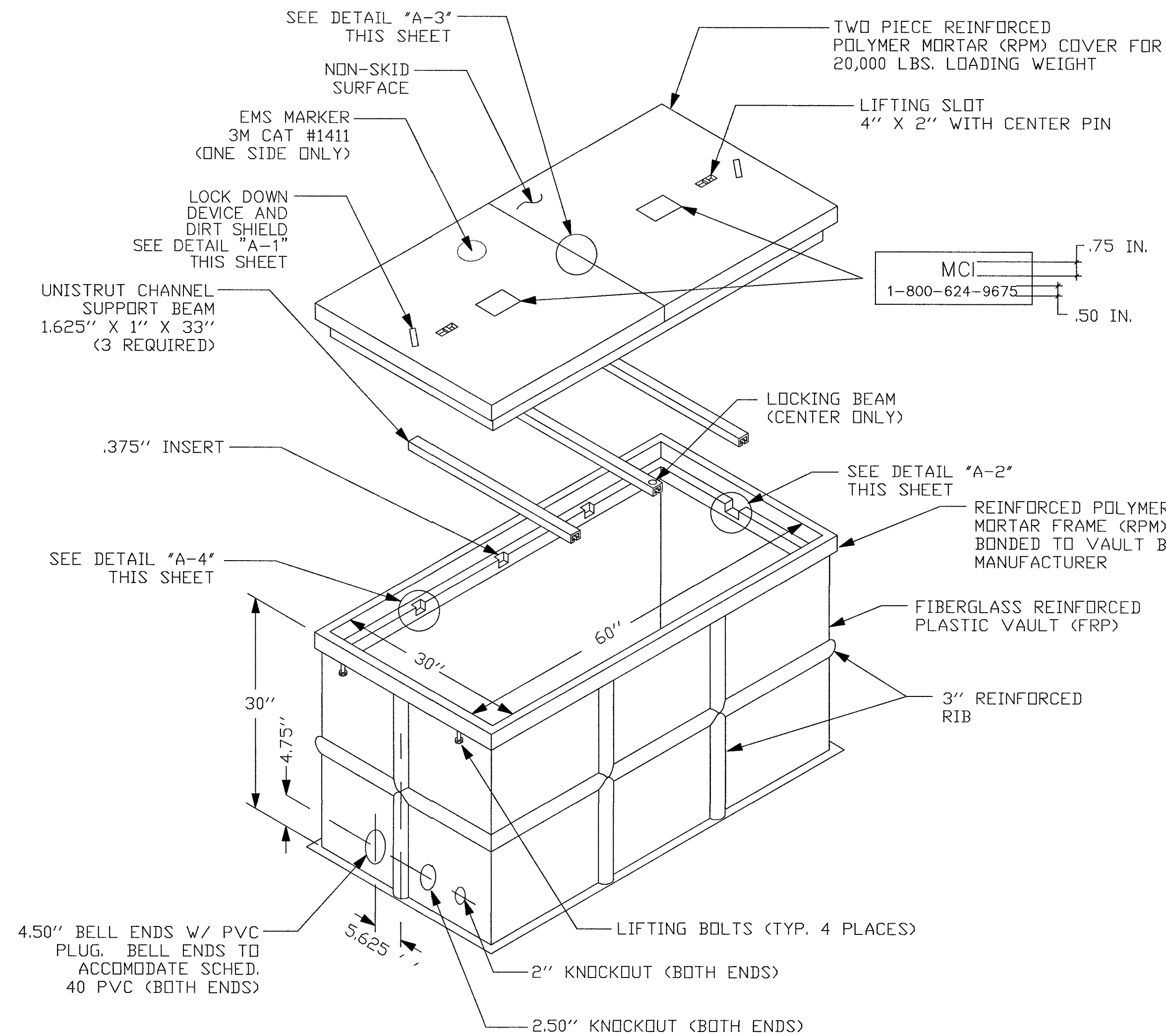
| SCALE       |                                                      |
|-------------|------------------------------------------------------|
| HORIZONTAL: | 1"=30'                                               |
| VERTICAL:   | NA                                                   |
| MP          | TO MP                                                |
| SHEET       | 5 OF 15                                              |
| FILE:       | LSV BLUE WILLOW -<br>CITY OF LAS VEGAS -<br>01-28-19 |

M:\VERIZON ONEFIBER\LAS VEGAS\LSV DURANGO\LSV BLUE WILLOW CONSTRUCTION DRAWINGS

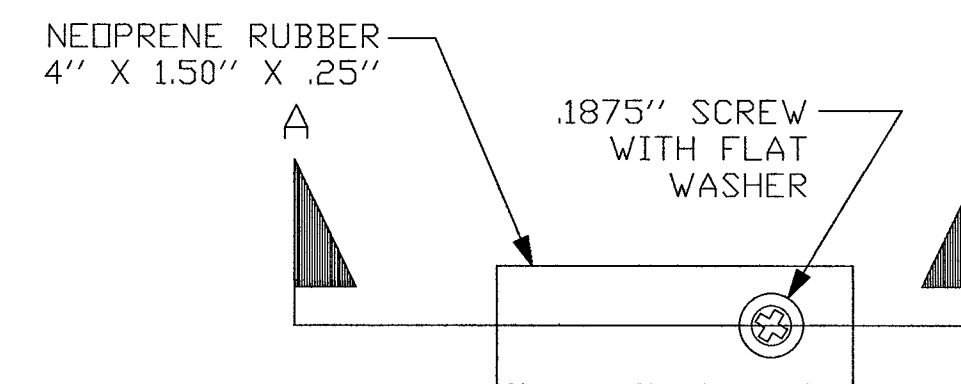


# 2.5' x 5' x 2.5' HANDHOLE DETAILS

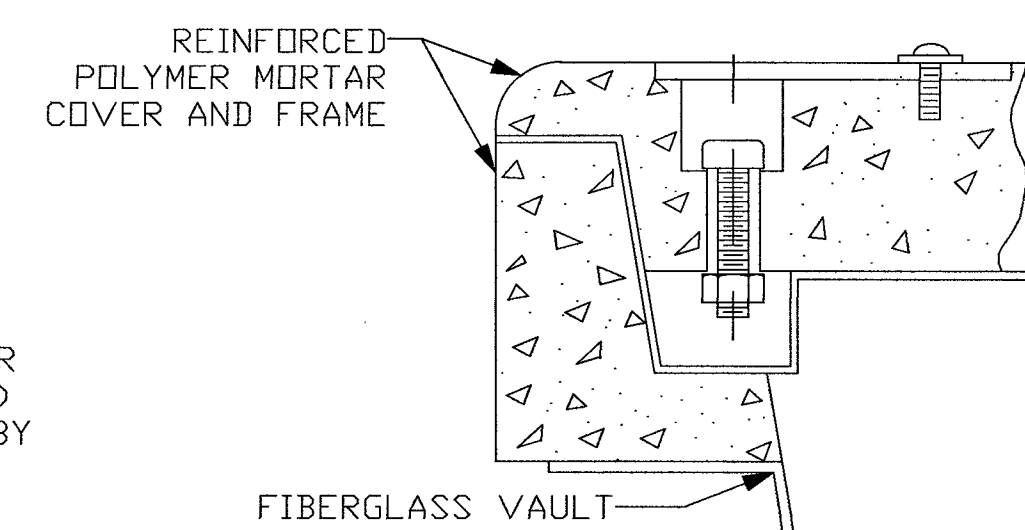
DETAIL "A"  
EXPLODED ISOMETRIC DETAIL



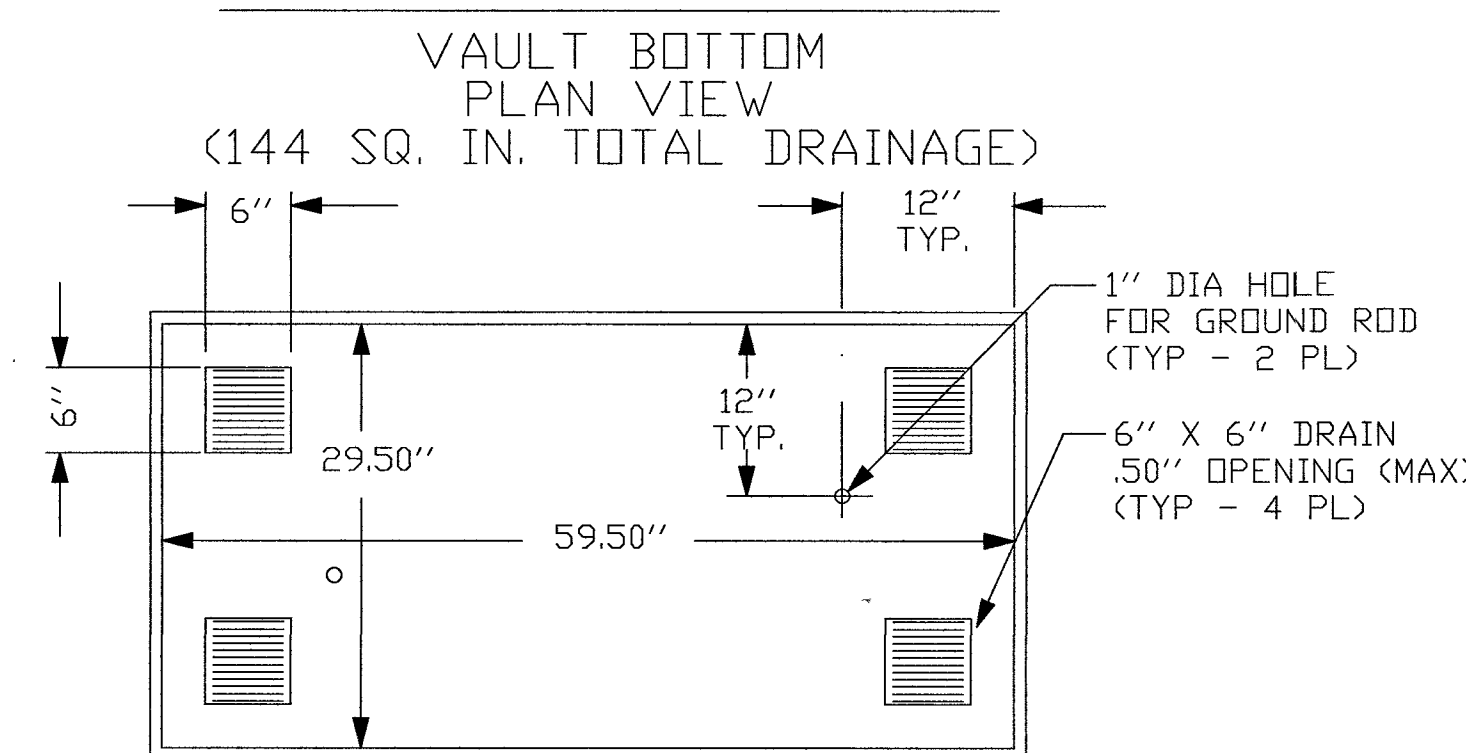
DETAIL "A-1"  
LOCK DOWN DEVICE



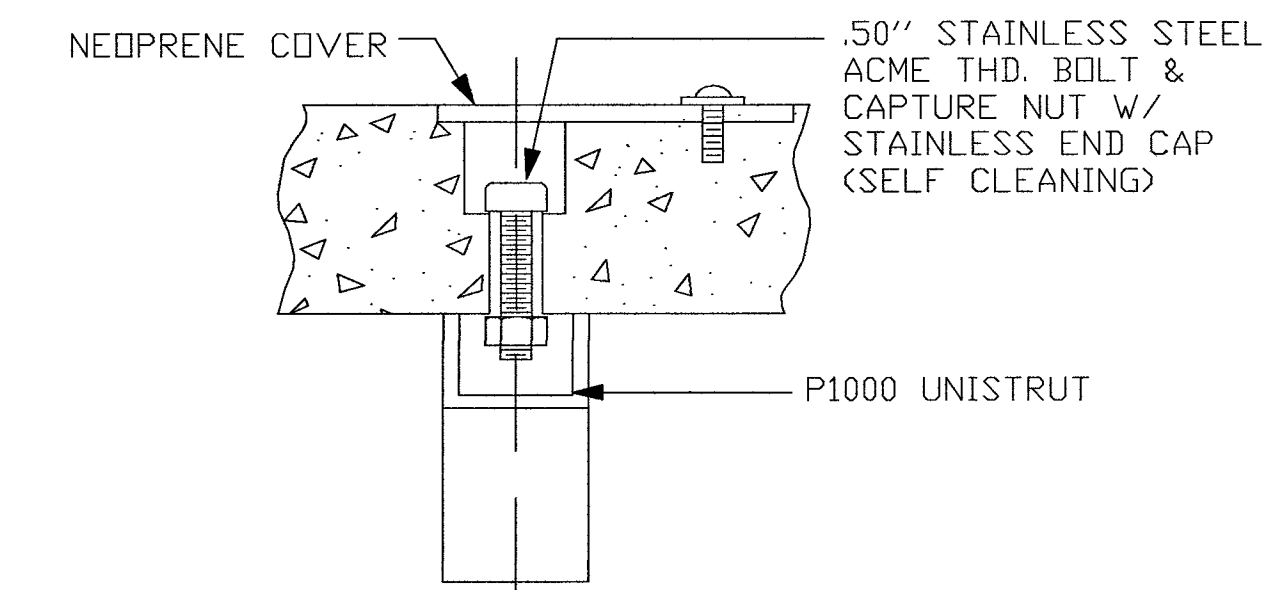
SECTION A-A  
LOCKING DEVICE CROSS SECTION



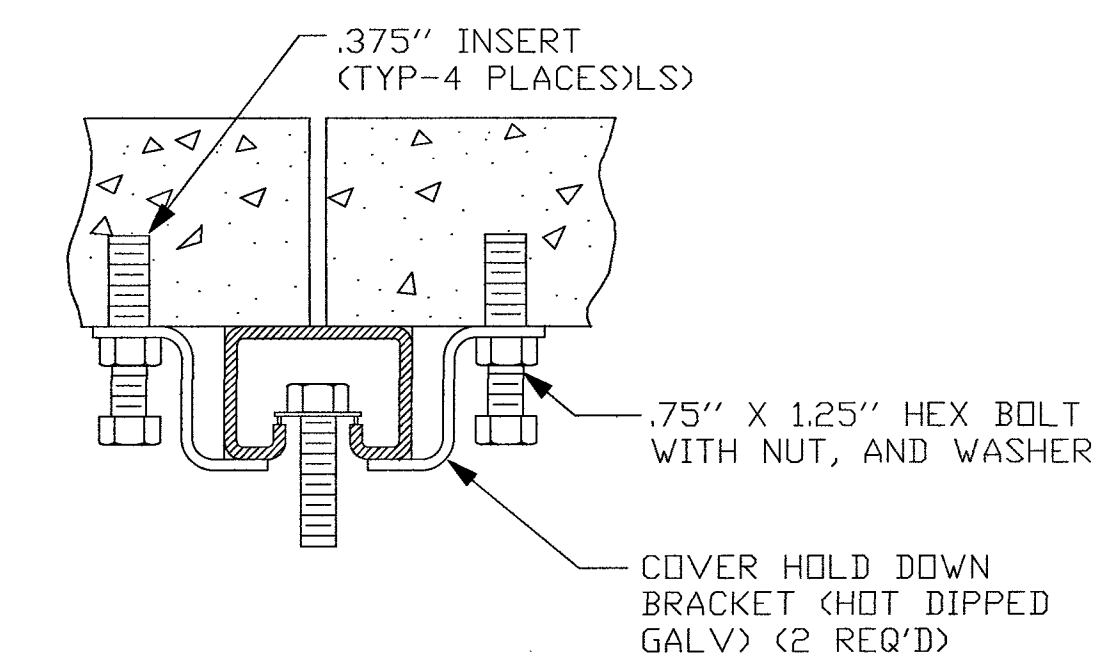
DETAIL "B"  
VAULT BOTTOM PLAN VIEW



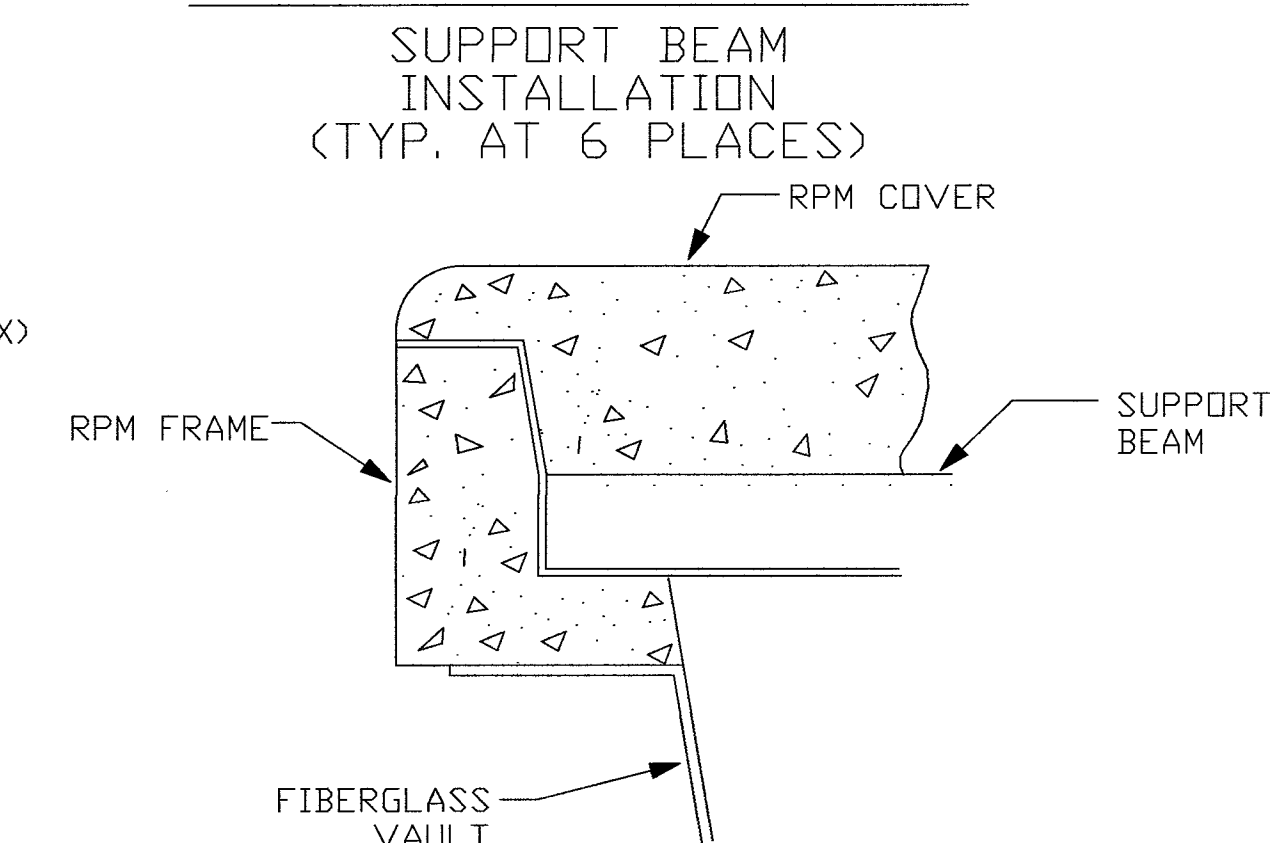
DETAIL "A-2"  
ENGAGED LOCK DOWN DEVICE



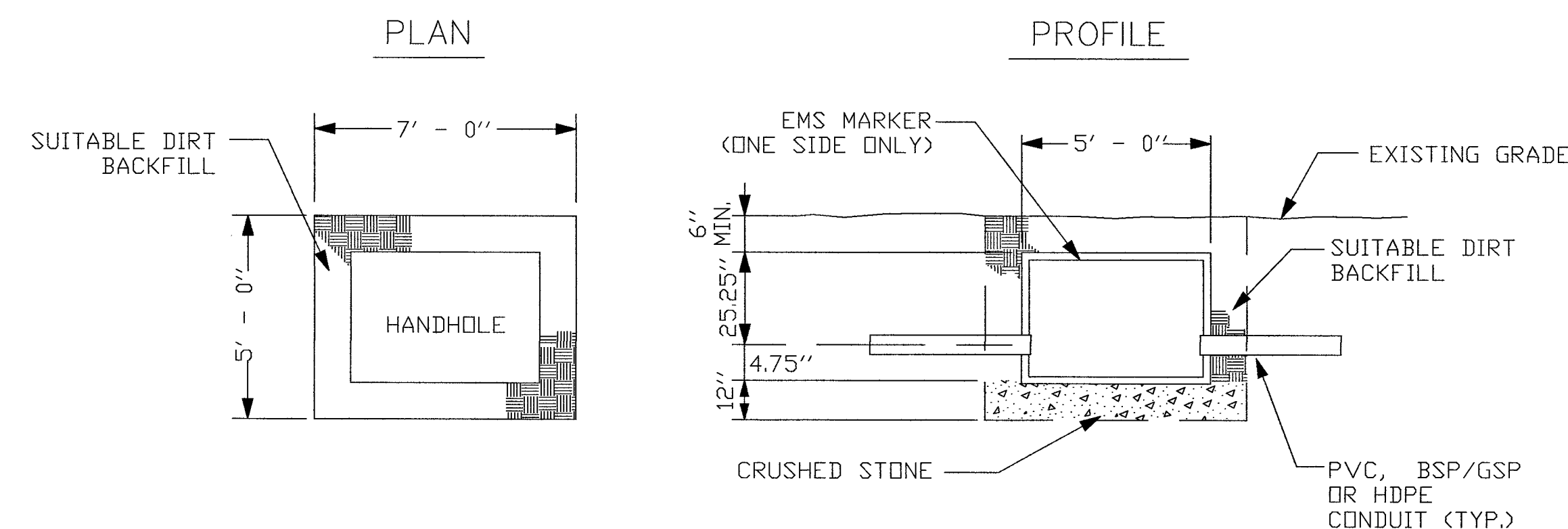
DETAIL "A-3"  
COVER HOLD DOWN BRACKET OF 2-PIECE RPM COVER



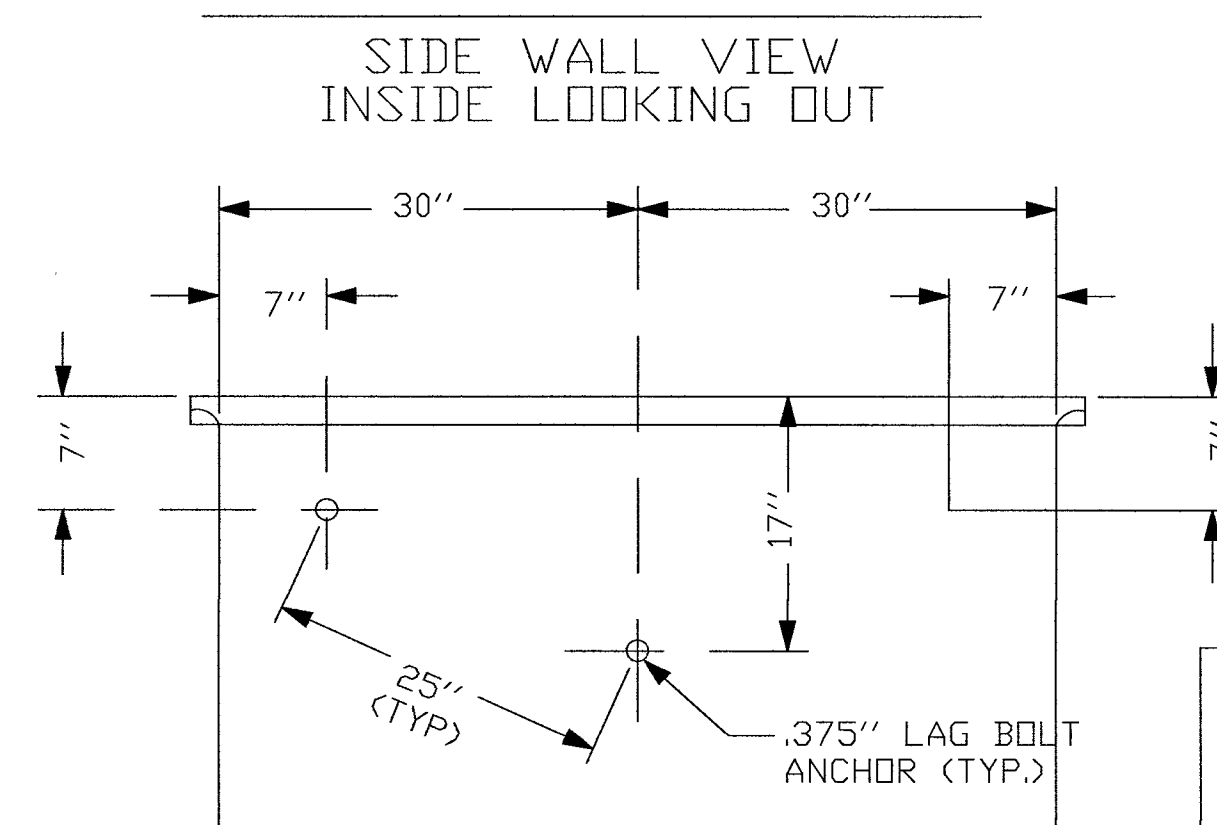
DETAIL "A-4"  
SUPPORT BEAM INSTALLATION (TYP. AT 6 PLACES)



DETAIL "C"  
EXCAVATION PIT



DETAIL "D"  
SIDE WALL VIEW INSIDE LOOKING OUT



NOTE:  
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25".

- NOTES:
1. VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
  2. BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (.75" GRADE).
  3. SHORING WILL BE REQUIRED.
  4. ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
  5. THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS IN WEIGHT. THE LIDS ARE POLYMER CONCRETE MATERIAL, EACH APPROXIMATELY POUNDS.



PROJECT: 917076, 917077, 917078, 917079, 917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE LSV BLUE WILLOW - CITY OF LAS VEGAS - 01-28-19  
PROJECT TITLE

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 6 OF 15

LSV BLUE WILLOW - CITY OF LAS VEGAS - 01-28-19

M:\VERIZON ONE FIBER LAS VEGAS\LSV DURANGO\LSV BLUE WILLOW CONSTRUCTION DRAWINGS



FILE #  
A6-1974TAPMC13

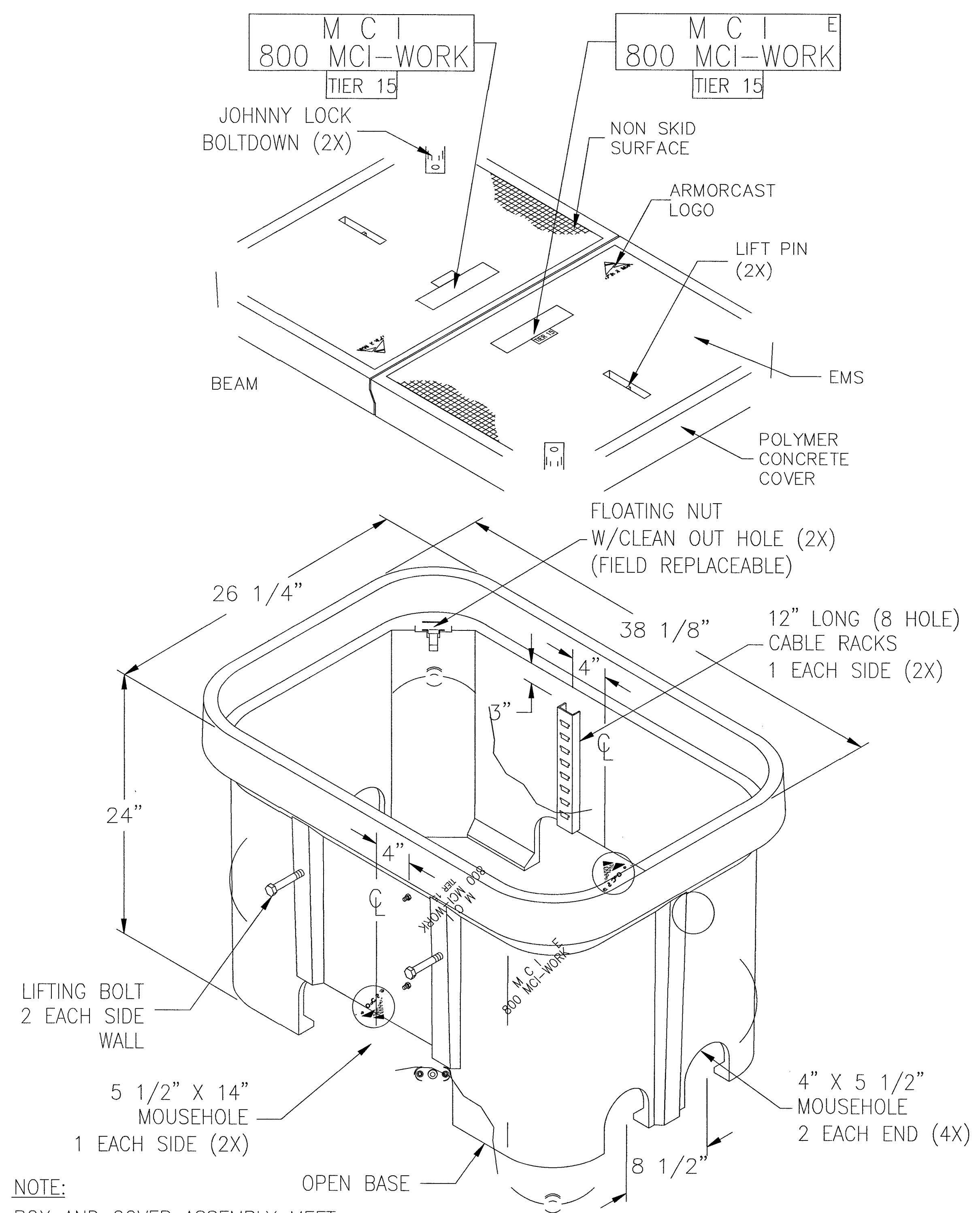


13230 Satcoy Street,  
North Hollywood, CA 91605  
(818) 982-3600

ARMORCAST® PRODUCTS COMPANY

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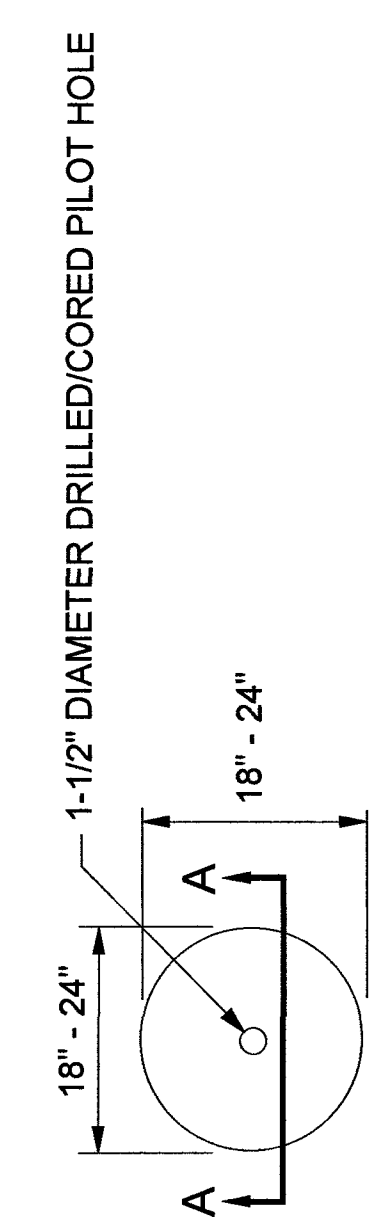
|                                                                   |              |                              |                                   |
|-------------------------------------------------------------------|--------------|------------------------------|-----------------------------------|
| PART DESCRIPTION<br>24" X 36" X 24" POLYMER CONCRETE BOX ASSEMBLY |              |                              |                                   |
| CUSTOMER<br>VERIZON                                               |              |                              |                                   |
| DRAWN<br>GL                                                       | DATE<br>6/17 | SCALE<br>NONE                | MAX. LOAD<br>TIER 15              |
| APPROV.<br>WS                                                     | 6/17         | MATERIAL<br>POLYMER CONCRETE | DRAWING NUMBER<br>A6001974TAPMC13 |



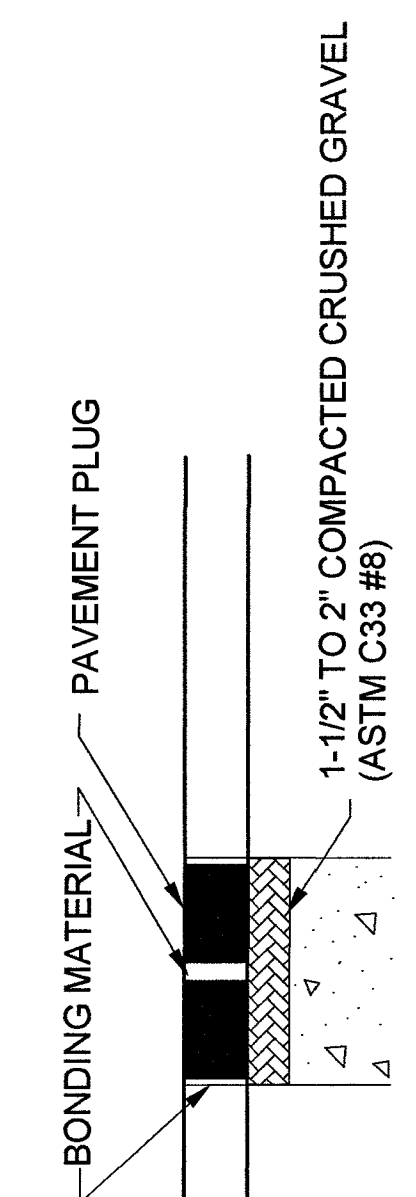
NOTE:  
BOX AND COVER ASSEMBLY MEET  
ANSI/SCTE 77 TIER 15 LOADING

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

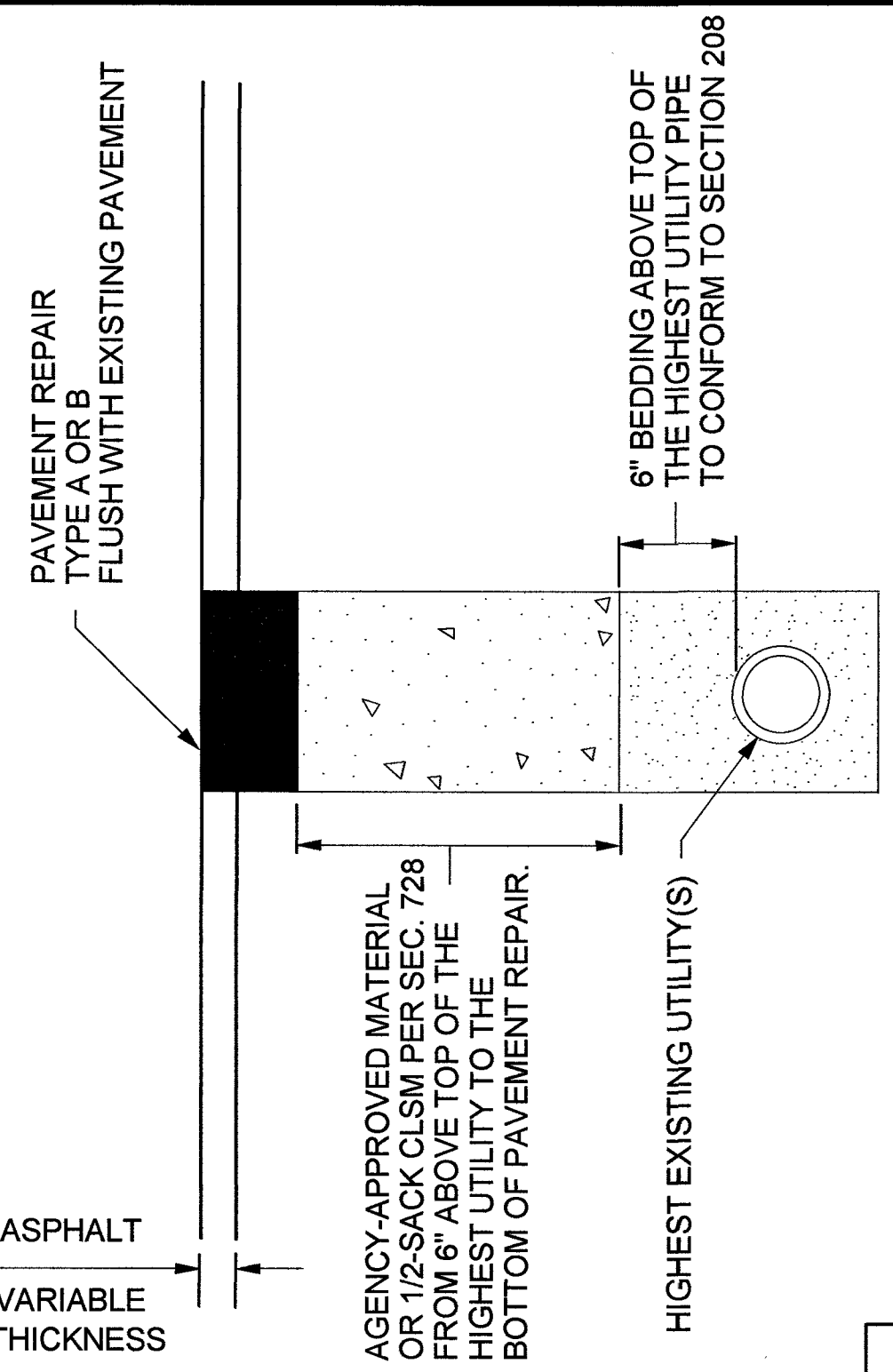
- NOTES:
- CUT AND REMOVE PAVEMENT PLUG WITH AN APPROVED KEYHOLE CORING DEVICE. PAVEMENT TO BE CORED SHALL CONTAIN NO CRACKS AND SHALL BE AT LEAST 4" THICK. IF PLUG IS DAMAGED OR IS LESS THAN 4" THICK, REPLACE PLUG WITH A "FARMED" ASPHALT PLUG FROM AN APPROVED SITE. FARMED PLUGS SHALL BE AT LEAST 4" THICK AND AT LEAST ONE INCH THICKER THAN EXISTING ASPHALT.
  - 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 ASHTO 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.
  - AGENCY-APPROVED BACKFILL BELOW REPAIR SHALL BE PER SECTION 215.
  - FILL KEYHOLE WITH BONDING MATERIAL DURING REPAIR.
  - PRIOR AGENCY APPROVAL IS REQUIRED FOR MULTIPLE KEYHOLE REPAIRS WITHIN A GIVEN ROADWAY SEGMENT.
  - A 5 YEAR WARRANTY IS REQUIRED ON ALL REPAIRS.



POT HOLE PLAN VIEW  
(NOMINAL DIMENSIONS)



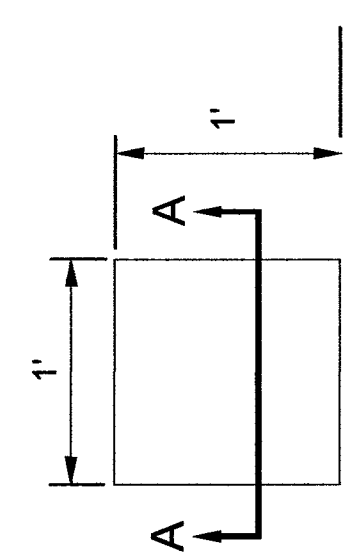
POT HOLE PROFILE



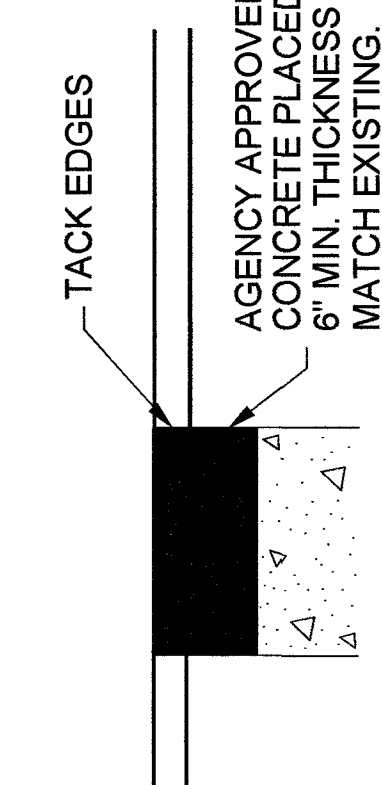
SECTION A-A

### 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)



POT HOLE PROFILE

|                         |                             |                           |          |          |     |  |  |
|-------------------------|-----------------------------|---------------------------|----------|----------|-----|--|--|
| SPECIFICATION REFERENCE |                             | AGENCY APPROVED           |          |          |     |  |  |
| 215                     | KEYHOLE POT HOLE EXCAVATION | UNIFORM STANDARD DRAWINGS |          |          |     |  |  |
|                         | AND BACKFILL                | CLARK COUNTY AREA         |          |          |     |  |  |
|                         |                             | UTILITY POT HOLE REPAIR   |          |          |     |  |  |
|                         |                             | DATE                      | 01-01-12 | DWG. NO. | 506 |  |  |



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

PROJECT TITLE

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 7 OF 15

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19

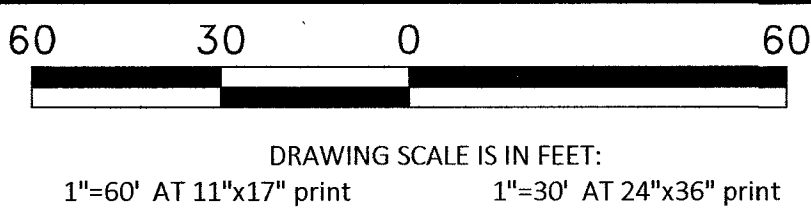
MCI VERIZON ONE FIBER LAS VEGAS LSV BLUE WILLOW CONSTRUCTION DRAWINGS



C



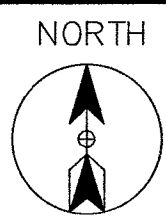
CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



Call at least two full working days  
before you begin excavation.



Know what's below.  
Call 811 before you dig.



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | 20'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | -        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 750'     |
| TRENCH:                       | 20'      |
| TOTAL NEW UG FOOTAGE:         | 20'      |
| TOTAL FOOTAGE:                | 770'     |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
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SCALE

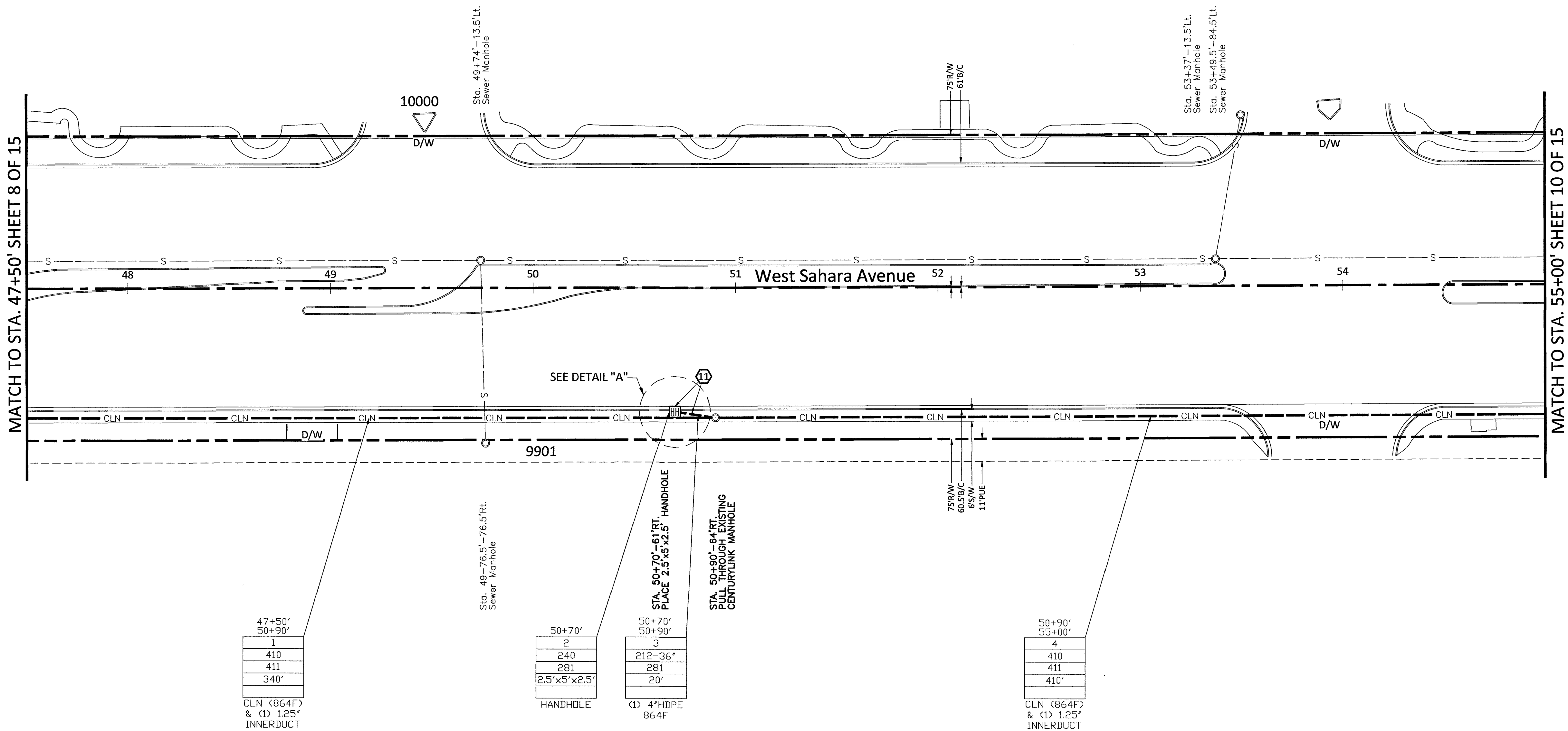
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 9 OF 15

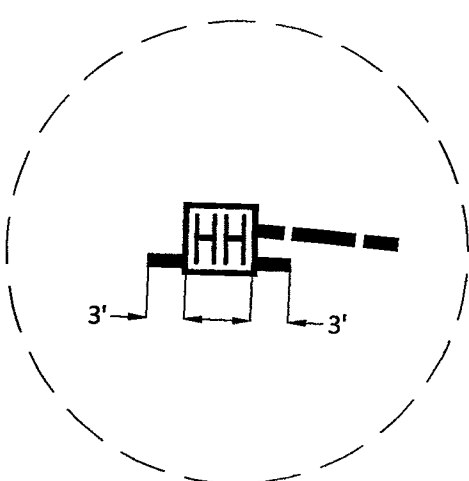
FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19



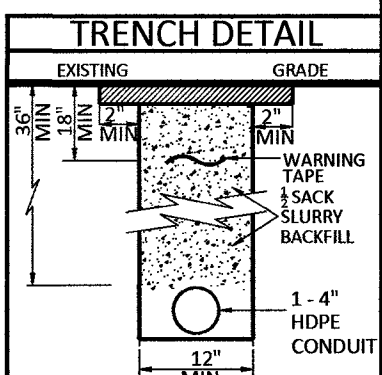
RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

|            |                                                                                |     |                                        |
|------------|--------------------------------------------------------------------------------|-----|----------------------------------------|
| (1) 500.1  | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             | 210 | PLACE CONDUIT                          |
| (2) 500.2  | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 | 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| (3) 500.3  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     | 240 | PLACE HANDHOLE                         |
| (4) 500.4  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          | 250 | PLACE MANHOLE                          |
| (5) 500.5  | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    | 270 | REMOVE AND RESTORE ASPHALT             |
| (6) 501    | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W | 280 | REMOVE AND RESTORE CONCRETE            |
| (7) 501.1  | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   | 281 | REMOVE AND RESTORE SIDEWALK            |
| (8) 503    | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             | 282 | REMOVE AND RESTORE CURBING             |
| (9) 503.1  | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       | 410 | PULL CABLE                             |
| (10) 503.2 | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          | 411 | PULL THROUGH DUCT (INNERDUCT)          |
| (11) 234   | SIDEWALK                                                                       | 520 | PLACE AERIAL CABLE                     |
| (12)       | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.   | 630 | DIRECTIONAL BORE                       |

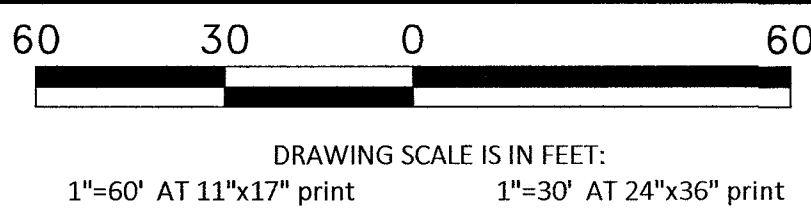


DETAIL "A"  
N.T.S.

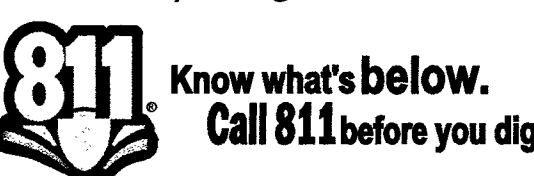




CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



Call at least two full working days  
before you begin excavation.



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | 20'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 827'     |
| TRENCH:                       | 20'      |
| TOTAL NEW UG FOOTAGE:         | 20'      |
| TOTAL FOOTAGE:                | 847'     |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
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SCALE

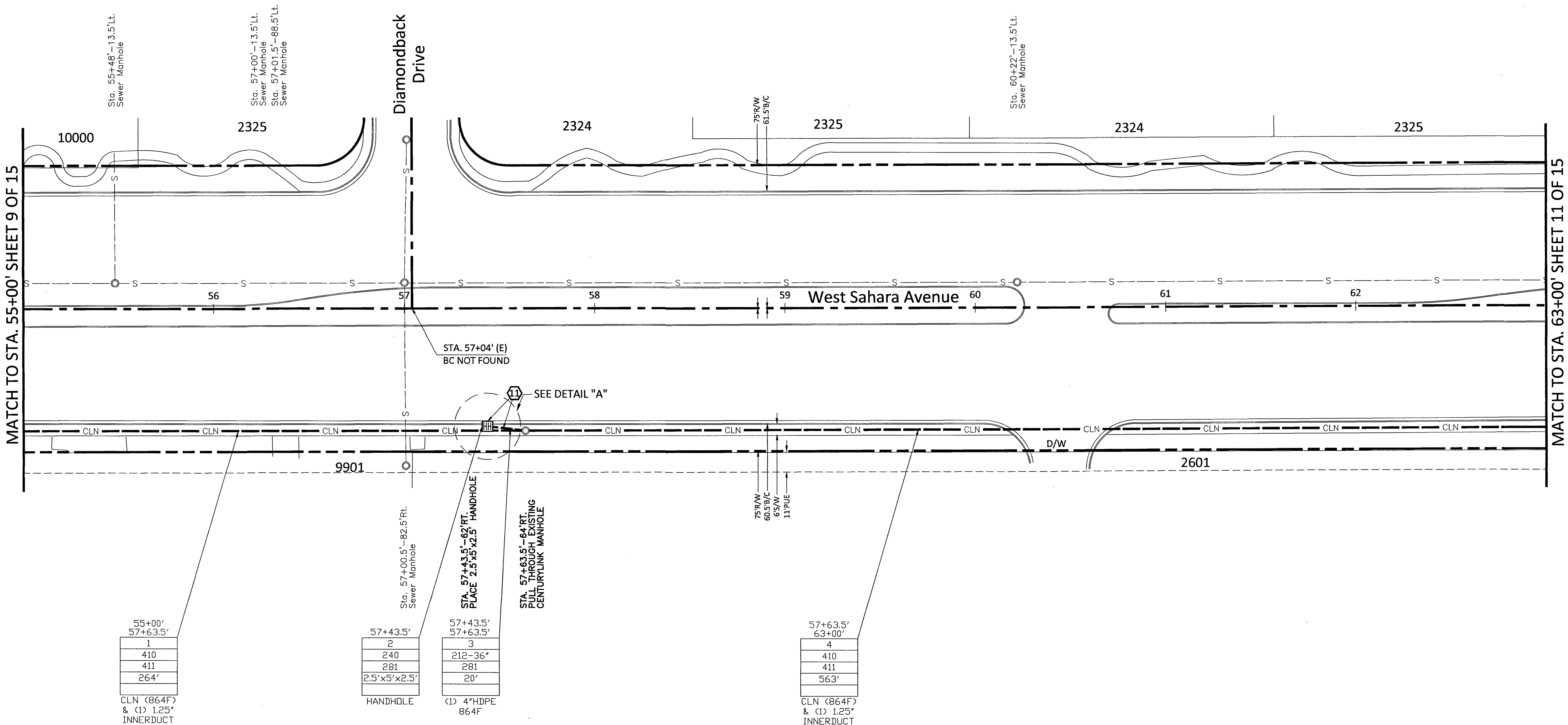
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

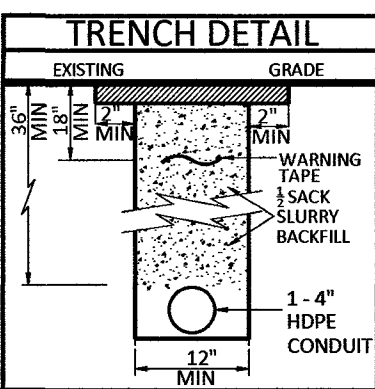
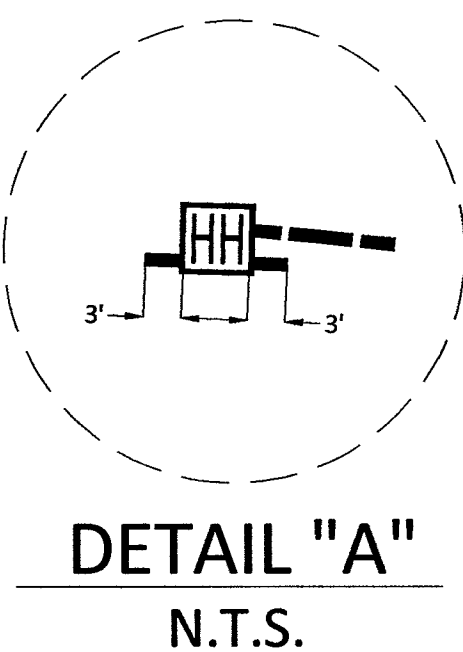
SHEET 10 OF 15

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19



| RTC NOTES:                                                                                    |                                                                                    |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS |                                                                                    |
| 1                                                                                             | 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                           |
| 2                                                                                             | 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                               |
| 3                                                                                             | 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W   |
| 4                                                                                             | 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS        |
| 5                                                                                             | 500.5 OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                  |
| 6                                                                                             | 501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| 7                                                                                             | 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W |
| 8                                                                                             | 503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| 9                                                                                             | 503.1 METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                     |
| 10                                                                                            | 503.2 METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                        |
| 11                                                                                            | 234 SIDEWALK                                                                       |
| 12                                                                                            | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.       |

|     |                                        |
|-----|----------------------------------------|
| 210 | PLACE CONDUIT                          |
| 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| 240 | PLACE HANDHOLE                         |
| 250 | PLACE MANHOLE                          |
| 270 | REMOVE AND RESTORE ASPHALT             |
| 280 | REMOVE AND RESTORE CONCRETE            |
| 281 | REMOVE AND RESTORE SIDEWALK            |
| 282 | REMOVE AND RESTORE CURBING             |
| 410 | PULL CABLE                             |
| 411 | PULL THROUGH DUCT (INNERDUCT)          |
| 520 | PLACE AERIAL CABLE                     |
| 630 | DIRECTIONAL BORE                       |

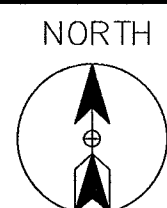




# CONSTRUCTION DRAWING

## CITY OF LAS VEGAS, NEVADA

60 30 0 60  
DRAWING SCALE IS IN FEET:  
1"=60' AT 11"x17" print 1"=30' AT 24"x36" print



Call at least two full working days  
before you begin excavation.



Know what's below.  
Call 811 before you dig.

PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 12'      |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | 40'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 2        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 800'     |
| TRENCH:                       | 40'      |
| TOTAL NEW UG FOOTAGE:         | 40'      |
| TOTAL FOOTAGE:                | 840'     |

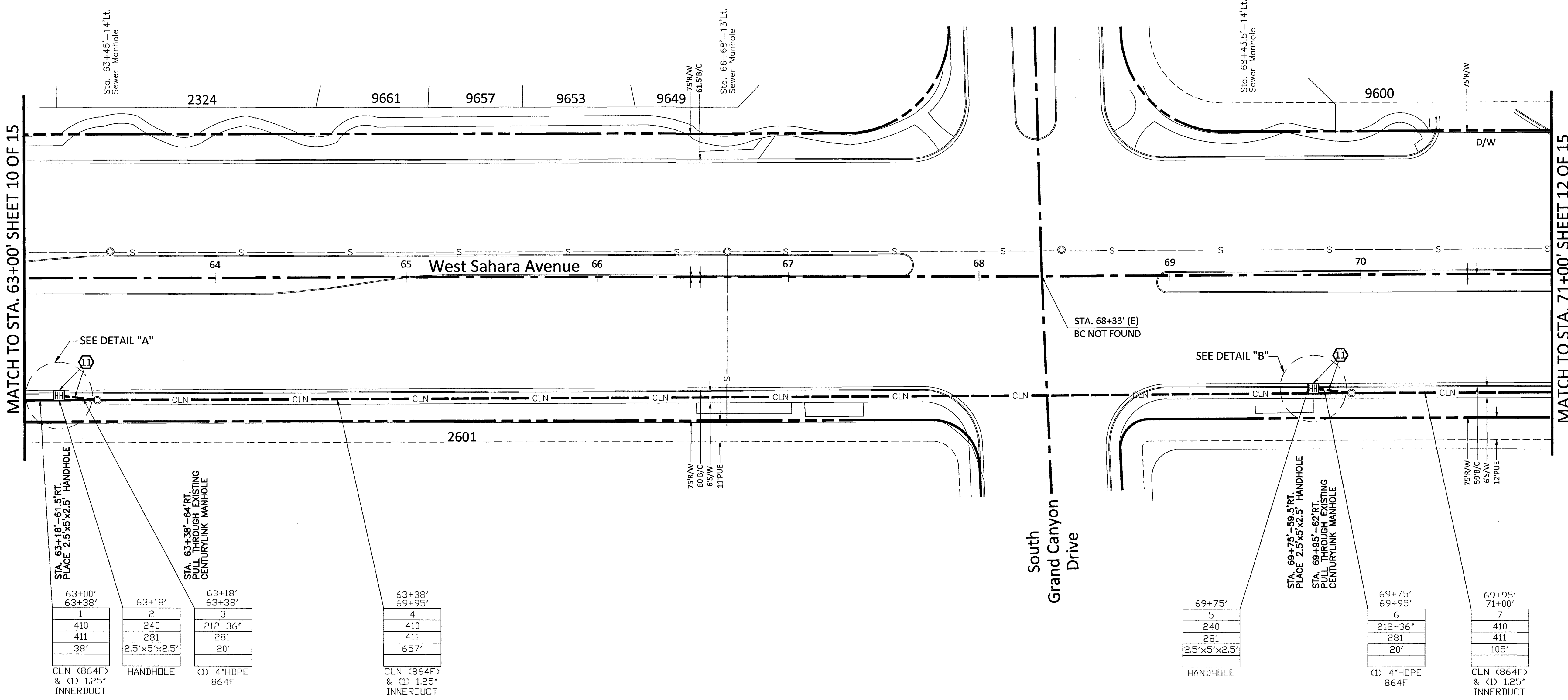
MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

DATE: 1/28/2019  
DRAWN BY: ADADKHAH

| REVISIONS |             |         |
|-----------|-------------|---------|
| DATE      | DESCRIPTION | INITIAL |
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COMMUNICATIONS SERVICES, INC. BOTH BEING  
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REPRODUCED, COPIED, OR USED FOR ANY PURPOSE  
WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE  
HORIZONTAL: 1"=30'  
VERTICAL: NA  
MP TO MP  
SHEET 11 OF 15  
FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19

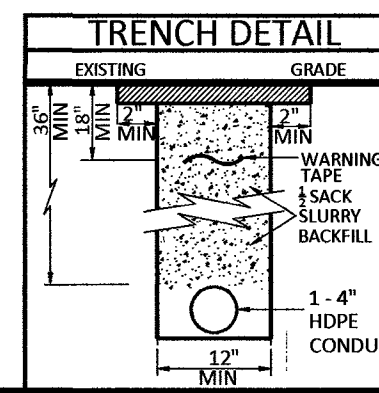
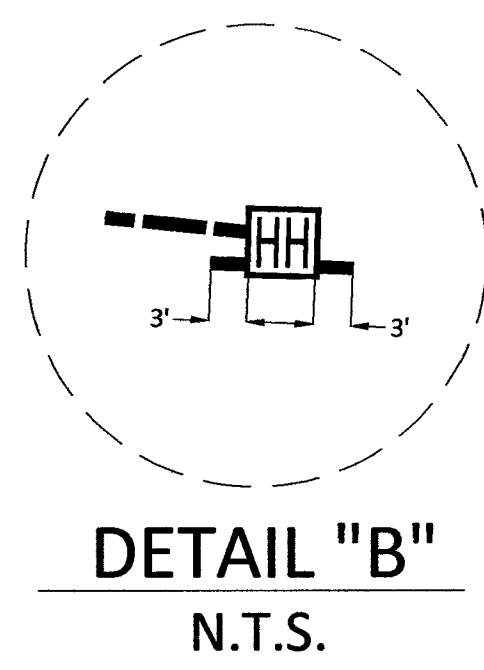
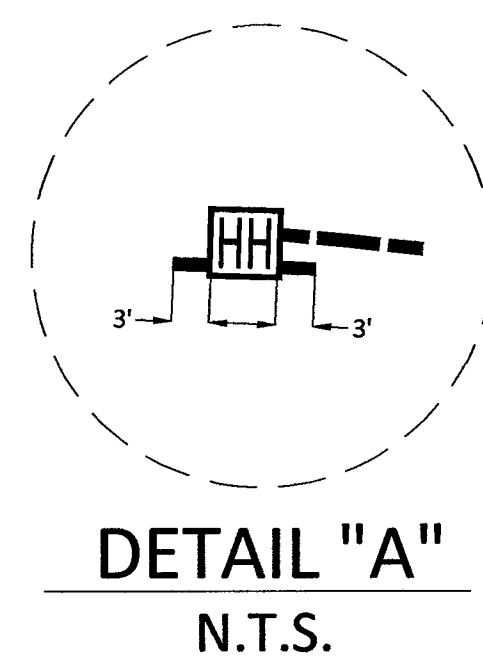


RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| (1) 500.1  | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             |
| (2) 500.2  | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 |
| (3) 500.3  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     |
| (4) 500.4  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          |
| (5) 500.5  | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    |
| (6) 501    | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| (7) 501.1  | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   |
| (8) 503    | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| (9) 503.1  | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       |
| (10) 503.2 | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          |
| (11) 234   | SIDEWALK                                                                       |
| (12)       | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.   |

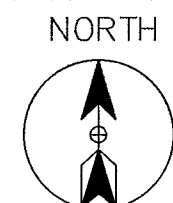
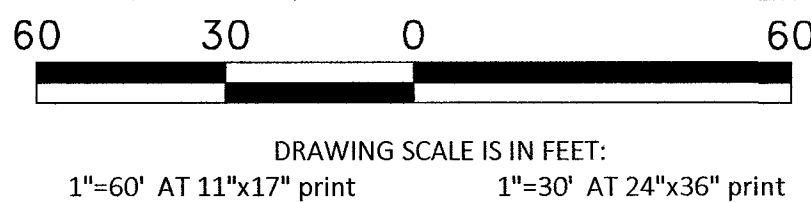
- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE HANDHOLE
- 250 PLACE MANHOLE
- 270 REMOVE AND RESTORE ASPHALT
- 280 REMOVE AND RESTORE CONCRETE
- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE



MAVERION ONE FIBER LAS VEGAS (LSV DURANGO) LSV BLUE WILLOW CONSTRUCTION DRAWINGS



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



Call at least two full working days  
before you begin excavation.



Know what's below.  
Call 811 before you dig.

PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | 20'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 800'     |
| TRENCH:                       | 20'      |
| TOTAL NEW UG FOOTAGE:         | 20'      |
| TOTAL FOOTAGE:                | 820'     |

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
|------|-------------|---------|
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|      |             |         |

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SCALE

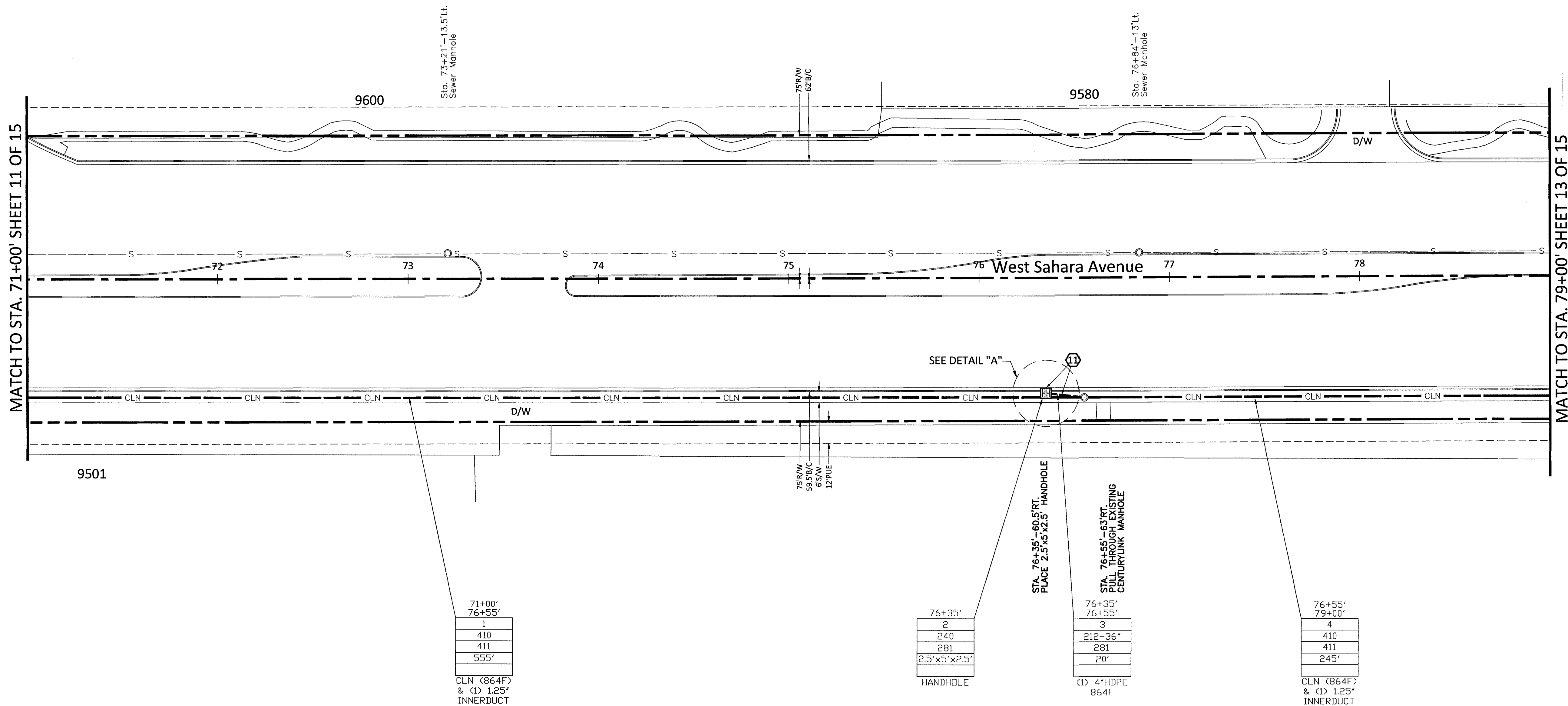
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 12 OF 15

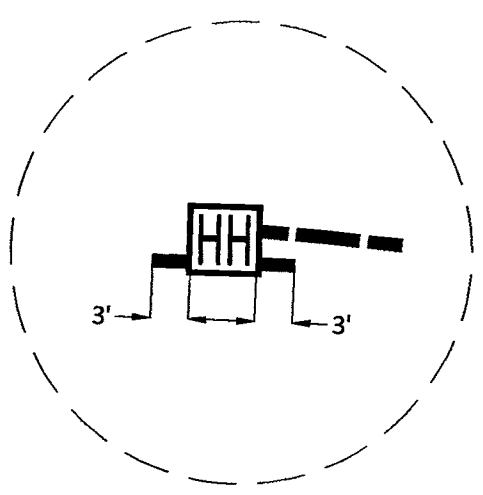
FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19



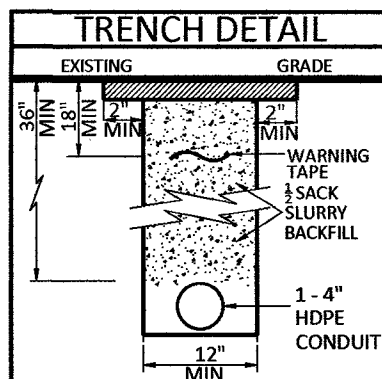
RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

|    |       |                                                                                |     |                                        |
|----|-------|--------------------------------------------------------------------------------|-----|----------------------------------------|
| 1  | 500.1 | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             | 210 | PLACE CONDUIT                          |
| 2  | 500.2 | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 | 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| 3  | 500.3 | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     | 240 | PLACE HANDHOLE                         |
| 4  | 500.4 | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          | 250 | PLACE MANHOLE                          |
| 5  | 500.5 | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    | 270 | REMOVE AND RESTORE ASPHALT             |
| 6  | 501   | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W | 280 | REMOVE AND RESTORE CONCRETE            |
| 7  | 501.1 | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   | 281 | REMOVE AND RESTORE SIDEWALK            |
| 8  | 503   | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             | 282 | REMOVE AND RESTORE CURBING             |
| 9  | 503.1 | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       | 410 | PULL CABLE                             |
| 10 | 503.2 | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          | 411 | PULL THROUGH DUCT (INNERDUCT)          |
| 11 | 234   | SIDEWALK                                                                       | 520 | PLACE AERIAL CABLE                     |
| 12 |       | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.   | 630 | DIRECTIONAL BORE                       |

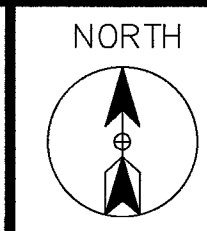
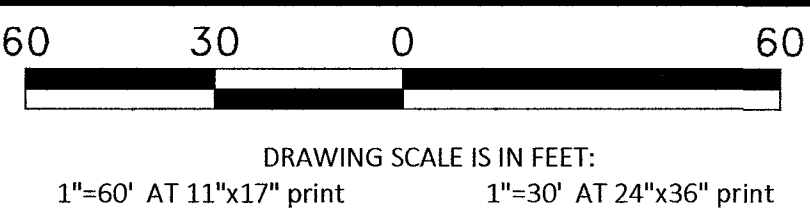


DETAIL "A"  
N.T.S.





CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



Call at least two full working days  
before you begin excavation.

**811** Know what's below.  
Call 811 before you dig.



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | 20'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 800'     |
| TRENCH:                       | 20'      |
| TOTAL NEW UG FOOTAGE:         | 20'      |
| TOTAL FOOTAGE:                | 820'     |

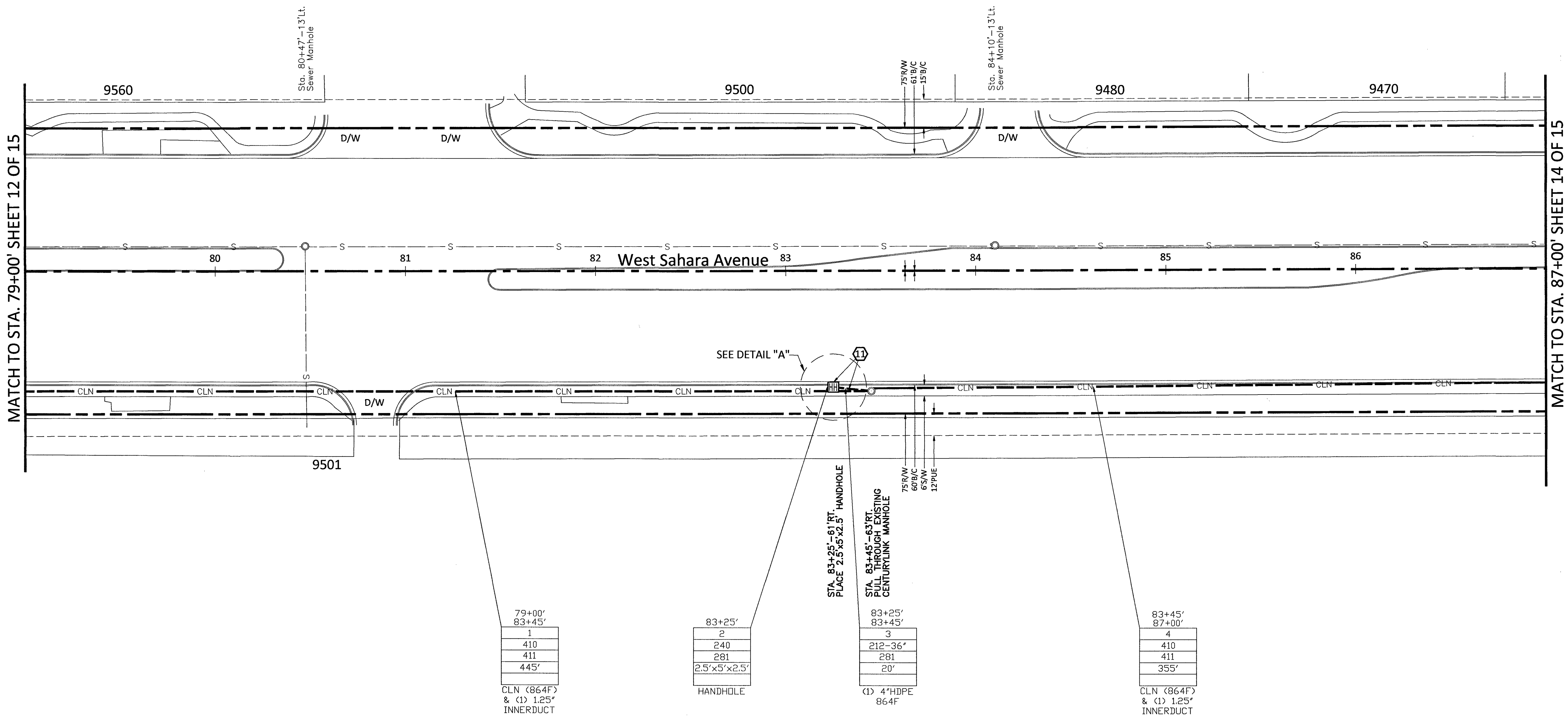
MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

|                    |             |         |
|--------------------|-------------|---------|
| DATE: 1/28/2019    |             |         |
| DRAWN BY: ADADKHAH |             |         |
| REVISIONS          |             |         |
| DATE               | DESCRIPTION | INITIAL |
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REPRODUCED, COPIED, OR USED FOR ANY PURPOSE  
WITHOUT SPECIFIC WRITTEN PERMISSION.

| SCALE                                                      |        |
|------------------------------------------------------------|--------|
| HORIZONTAL:                                                | 1"=30' |
| VERTICAL:                                                  | NA     |
| MP                                                         | TO MP  |
| SHEET 13                                                   | OF 15  |
| FILE: LSV BLUE WILLOW -<br>CITY OF LAS VEGAS -<br>01-28-19 |        |

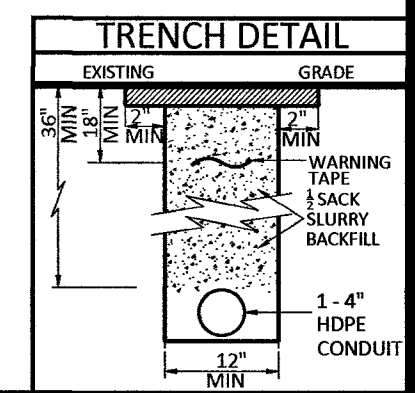
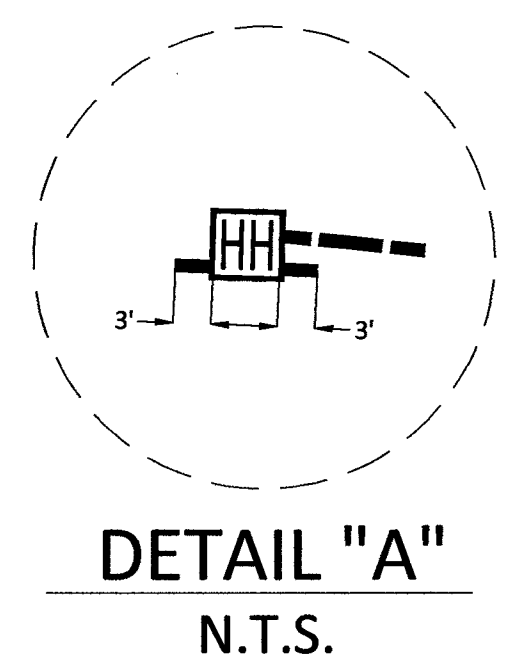


**RTC NOTES:**

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

|    |                                                                              |                                                                                |
|----|------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1  | 500.1                                                                        | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             |
| 2  | 500.2                                                                        | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 |
| 3  | 500.3                                                                        | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     |
| 4  | 500.4                                                                        | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          |
| 5  | 500.5                                                                        | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    |
| 6  | 501                                                                          | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| 7  | 501.1                                                                        | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   |
| 8  | 503                                                                          | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| 9  | 503.1                                                                        | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       |
| 10 | 503.2                                                                        | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          |
| 11 | 234                                                                          | SIDEWALK                                                                       |
| 12 | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY. |                                                                                |

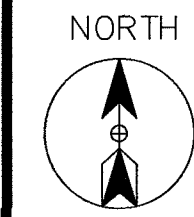
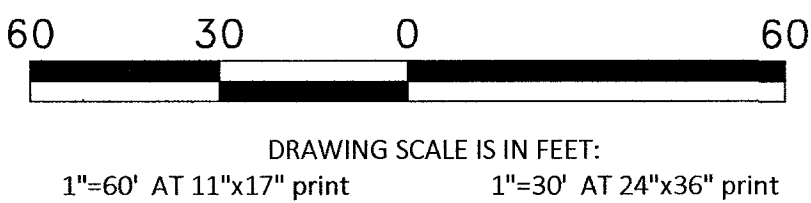
- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE HANDHOLE
- 250 PLACE MANHOLE
- 270 REMOVE AND RESTORE ASPHALT
- 280 REMOVE AND RESTORE CONCRETE
- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE



MAVERICK ONE FIBER LAS VEGAS LSV DURANGO LSV BLUE WILLOW CONSTRUCTION DRAWINGS



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



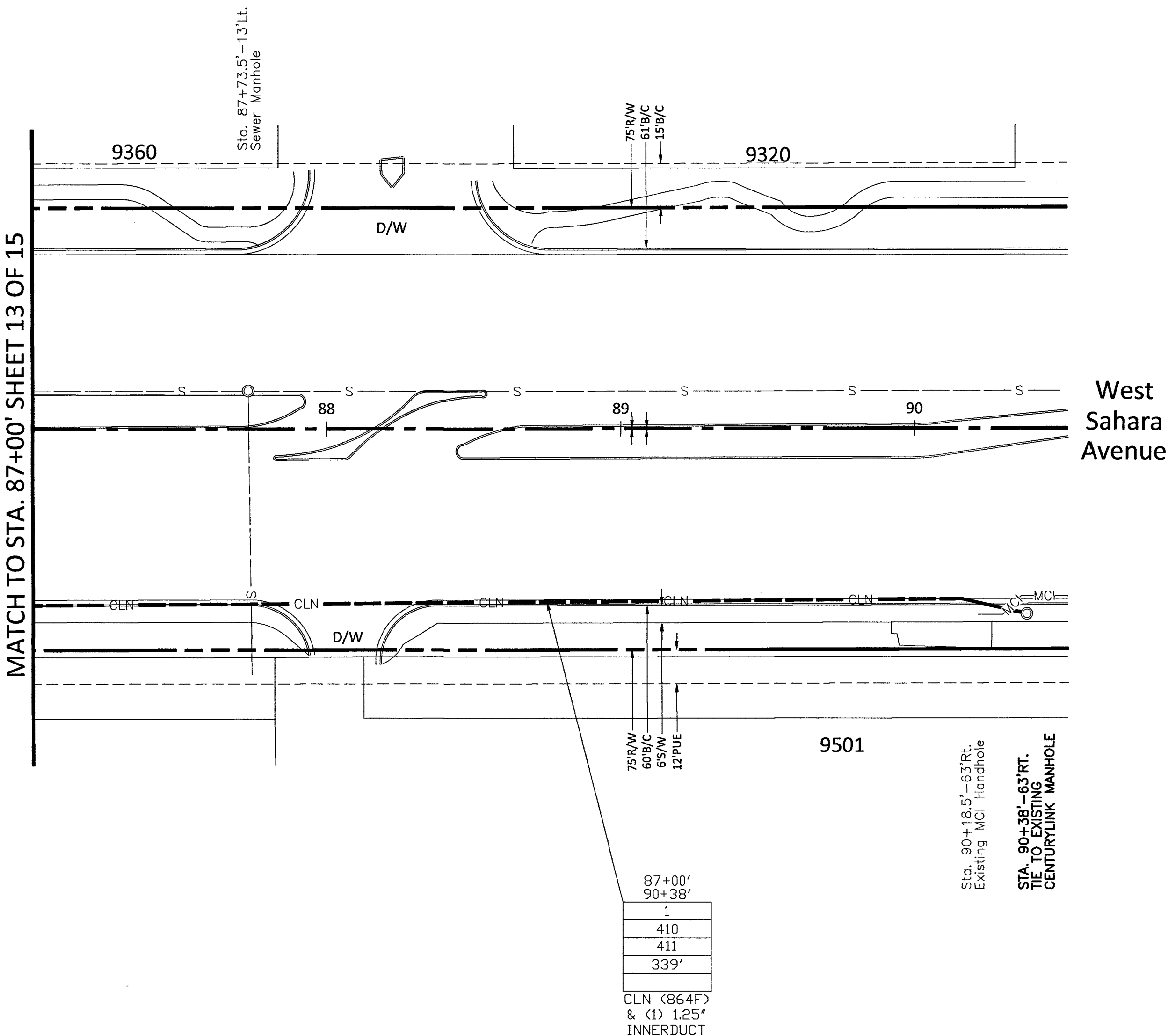
Call at least two full working days  
before you begin excavation.



Know what's below.  
Call 811 before you dig.

PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238  
CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | -        |
| 2.5" HDPE CONDUIT:            | -        |
| 4" HDPE CONDUIT:              | -        |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | -        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 339'     |
| TRENCH:                       | -        |
| TOTAL NEW UG FOOTAGE:         | -        |
| TOTAL FOOTAGE:                | 339'     |



RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

- |      |       |                                                                                |
|------|-------|--------------------------------------------------------------------------------|
| (1)  | 500.1 | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             |
| (2)  | 500.2 | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 |
| (3)  | 500.3 | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     |
| (4)  | 500.4 | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          |
| (5)  | 500.5 | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    |
| (6)  | 501   | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| (7)  | 501.1 | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   |
| (8)  | 503   | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| (9)  | 503.1 | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       |
| (10) | 503.2 | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          |
| (11) | 234   | SIDEWALK                                                                       |
| (12) |       | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.   |

- |     |                                        |
|-----|----------------------------------------|
| 210 | PLACE CONDUIT                          |
| 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| 240 | PLACE HANDHOLE                         |
| 250 | PLACE MANHOLE                          |
| 270 | REMOVE AND RESTORE ASPHALT             |
| 280 | REMOVE AND RESTORE CONCRETE            |
| 281 | REMOVE AND RESTORE SIDEWALK            |
| 282 | REMOVE AND RESTORE CURBING             |
| 410 | PULL CABLE                             |
| 411 | PULL THROUGH DUCT (INNERDUCT)          |
| 520 | PLACE AERIAL CABLE                     |
| 630 | DIRECTIONAL BORE                       |

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

DATE: 1/28/2019

DRAWN BY: ADADKHAH

REVISIONS

| DATE | DESCRIPTION | INITIAL |
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WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 14 OF 15

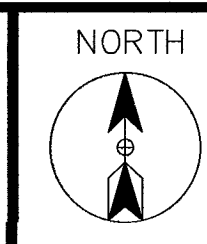
FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19



ROUTE SCHEMATIC

Call at least two full working days  
before you begin excavation.

**811** Know what's below.  
Call 811 before you dig.



PROJECT: 917076, 917077,  
917078, 917079,  
917080, 917081, 917238

CELL SITE: LSV BLUE WILLOW - CITY OF  
LAS VEGAS - 01-28-19  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864/6,261'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE LSV BLUE WILLOW -  
CITY OF LAS VEGAS - 01-28-19

PROJECT TITLE

DATE: 1/28/2019  
DRAWN BY: ADADKHAH

| REVISIONS |             |         |
|-----------|-------------|---------|
| DATE      | DESCRIPTION | INITIAL |
|           |             |         |
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SCALE

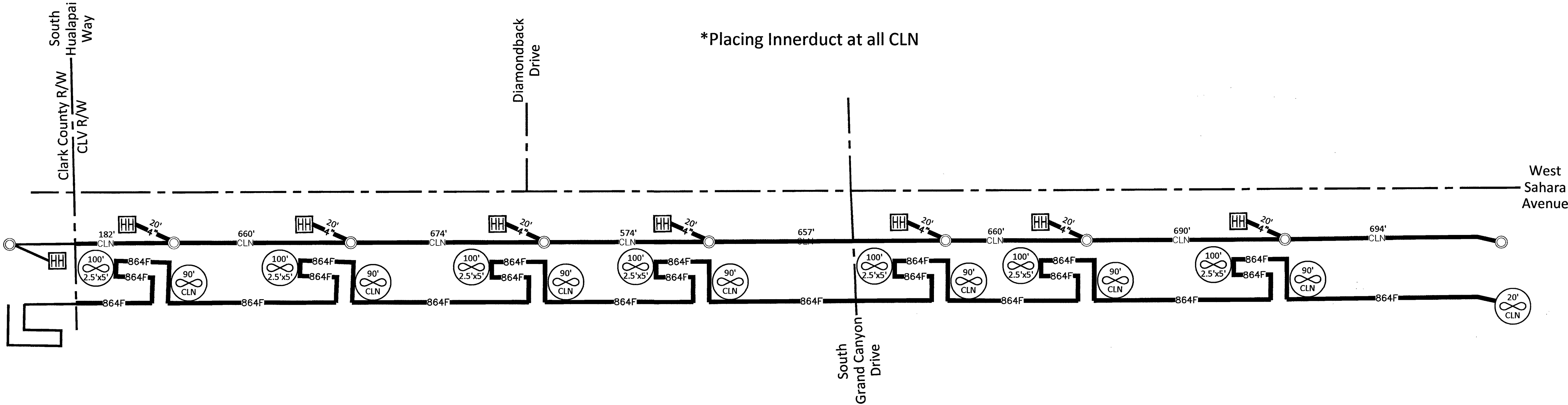
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 15 OF 15

FILE: LSV BLUE WILLOW -  
CITY OF LAS VEGAS -  
01-28-19



| SITE-SPAN NAME: CELL SITE: LSV Blue Willow - City of Las Vegas - 01-28-19 |         |             |        |      |       |           |          |        |        |
|---------------------------------------------------------------------------|---------|-------------|--------|------|-------|-----------|----------|--------|--------|
| SITE-SPAN ID: 1709AKKD.54, 1706AVNN.14                                    |         |             |        |      |       |           |          |        |        |
| FQND                                                                      | SEGMENT | FIBER COUNT | TRENCH | BORE | DB/OT | 3RD PARTY | VZ OWNED | AERIAL | TOTAL  |
| FIB:BUR::56001498                                                         | 917076  | 864F        | '      | '    | '     | 4,609'    | '        | '      | 4,609' |
| FIB:BUR::56001479                                                         | 917291  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917292  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917293  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917294  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917295  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917296  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001498                                                         | 917297  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |

M:\VERIZON ONE FIBER\LAS VEGAS\LSV DURANGO\LSV BLUE WILLOW CONSTRUCTION DRAWINGS