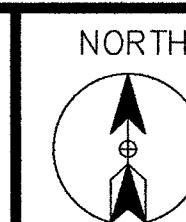






FQPID #:  
FIB: BUR::56001196

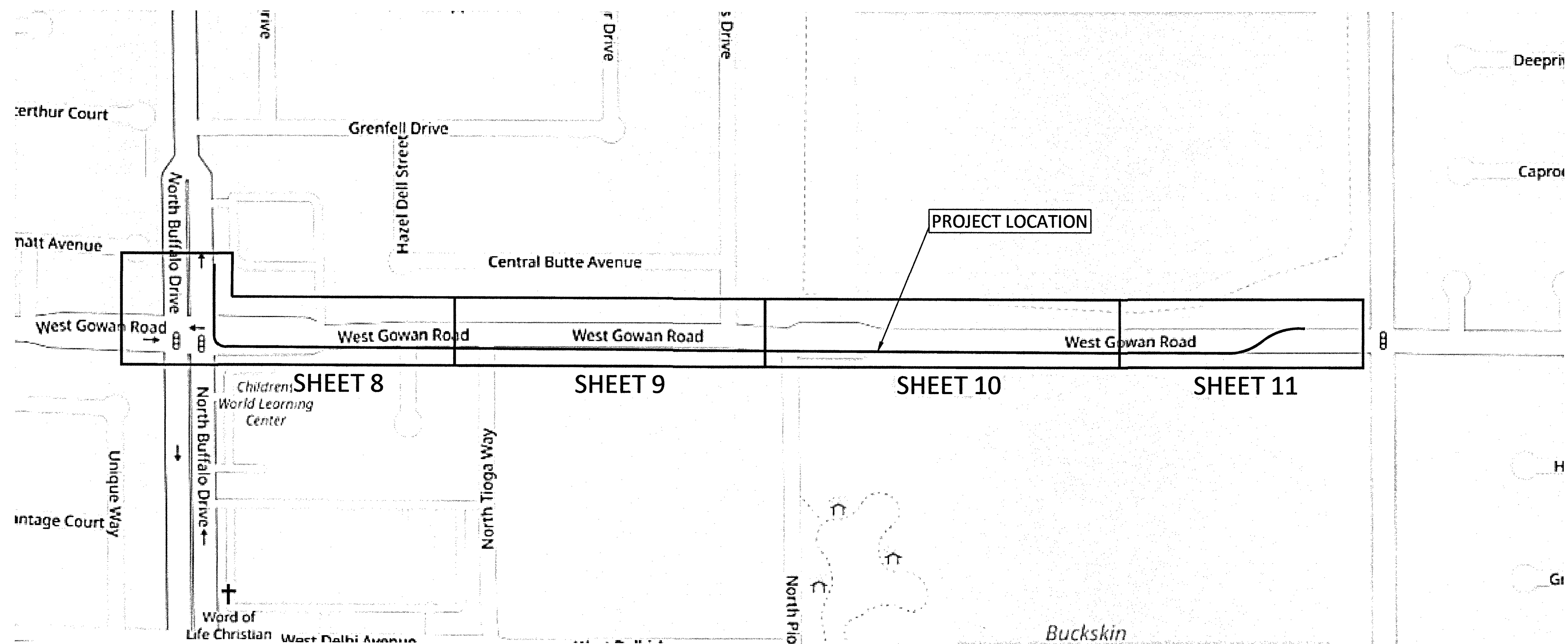
INDEX SHEET  
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV TENAYA - BACK HAUL -  
914087

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY



MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

REVISIONS

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

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 2 OF 13

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV

NAVERCON ONE FIBER LAS VEGAS LSV TENAYA BACK HAUL -  
914087 CONSTRUCTION DRAWINGS







CONTACT SHEET/ DETAILS

MCImetro ACCESS TRANSMISSION SERVICES CORP.  
d/b/a Verizon Access Transmission Services

OUTSIDE PLANT ENGINEERING:

PROJECT ENGINEER: CORY VANDERBOS  
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:  
ENG. PROJECT SUPERVISOR:

CONSTRUCTION CONTRACTOR

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

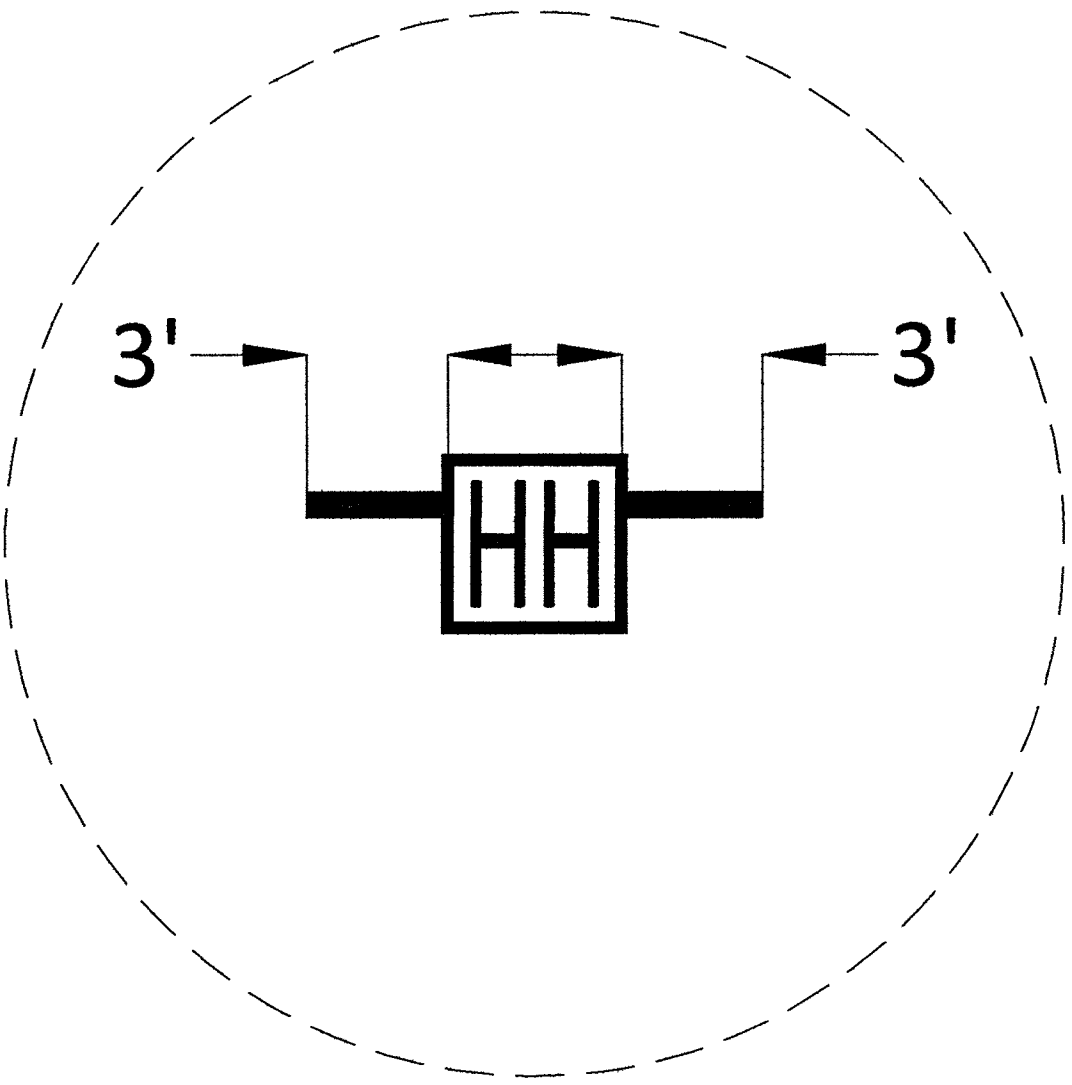
CITY GOVERNMENT

BUREAU OF ENGINEERING:

CITY ENGINEER:

UTILITIES

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



HANDHOLE DETAIL  
N.T.S  
2-2" STUBOUTS  
ORIENTATION MAY VARY  
PLACE STUBOUTS TOWARDS BACK OF  
SIDEWALK WHERE POSSIBLE

PROJECT TOTALS SUMMARY

| MATERIALS                     |     |
|-------------------------------|-----|
| 2" HDPE CONDUIT(S):           | 6'  |
| 2.5" HDPE CONDUIT(S):         | -   |
| 4" HDPE CONDUIT(S):           | 20' |
| 2' x 3' x 2' HANDHOLE(S):     | -   |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1   |
| 4' x 4' x 4' MANHOLE(S):      | -   |

| WORK TYPE             |        |
|-----------------------|--------|
| AERIAL:               | -      |
| VZW CONDUIT:          | -      |
| 3RD PARTY CONDUIT:    | 1,816' |
| TRENCH:               | 20'    |
| ASPHALT CUT:          | -      |
| BORE:                 | -      |
| TOTAL NEW UG FOOTAGE: | 20'    |
| TOTAL FOOTAGE:        | 1,816' |



CELL SITE: LSV TENAYA - BACK HAUL - 914087

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL - 914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

REVISIONS

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

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 4 OF 12

FILE: LSV TENAYA - BACK HAUL - 914087 - CLV

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



# SYMBOLS KEY

|                                                                | EXISTING/PROPOSED                             |
|----------------------------------------------------------------|-----------------------------------------------|
| BURIED CABLE                                                   | _____                                         |
| AERIAL CABLE                                                   | _____ A _____                                 |
| SUBMARINE CABLE                                                | _____ SUBM _____                              |
| FOGWIRE CABLE                                                  | _____ FOGW _____                              |
| DIRECT BURIED HDPE                                             | _____ H _____                                 |
| 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                                               | _____ DB _____                                |
| OPEN TRENCH                                                    | ----- OT -----                                |
| FUTURE CABLE                                                   | =====                                         |
| REMOVE CABLE                                                   | _____ R _____                                 |
| TO BE REMOVED OR ABANDONED<br>(SHOWN FOR HDPE)                 | _____ X H _____                               |
| AERIAL UTILITY (ELECTRIC)                                      | =====                                         |
| UNDERGROUND UTILITY (TELEPHONE)                                | -----                                         |
| MAIN TRACKS                                                    | _____   _____   _____                         |
| AUXILLARY TRACKS                                               | _____   _____   _____                         |
| CENTERLINE                                                     | =====                                         |
| RIGHT-OF-WAY                                                   | =====                                         |
| DITCH LINE                                                     | _____ D/L _____                               |
| CITY, COUNTY OR STATE BOUNDARY LINE                            | =====                                         |
| PROPERTY LINE                                                  | =====                                         |
| BLOCKWALL                                                      | =====                                         |
| FENCE LINE                                                     | ----- x ----- x ----- x ----- x ----- x ----- |
| GUARDRAIL                                                      | _____ I _____ I _____                         |
| TOP OF SLOPE                                                   | _____ V _____ V _____ V _____ V _____ V _____ |
| 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 &amp; 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

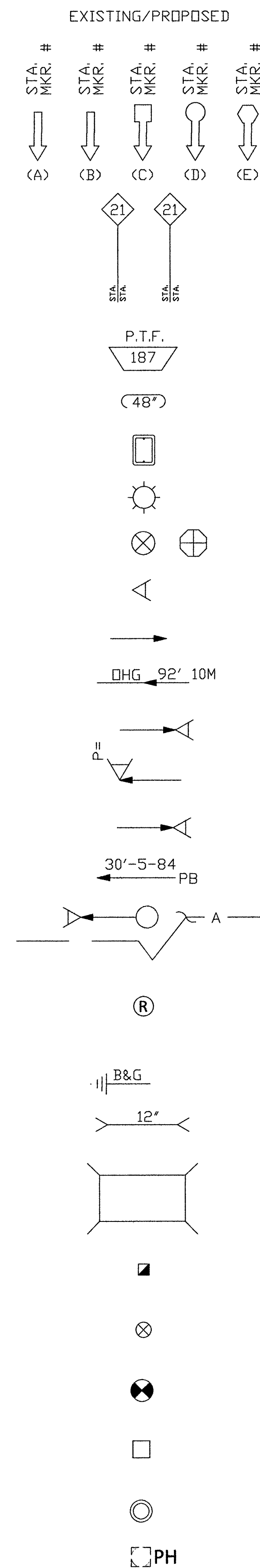
VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE



CELL SITE: LSV TENAYA - BACK HAUL -  
914087

CITY OF LAS VEGAS, NEVADA

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

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

## REVISIONS

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

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

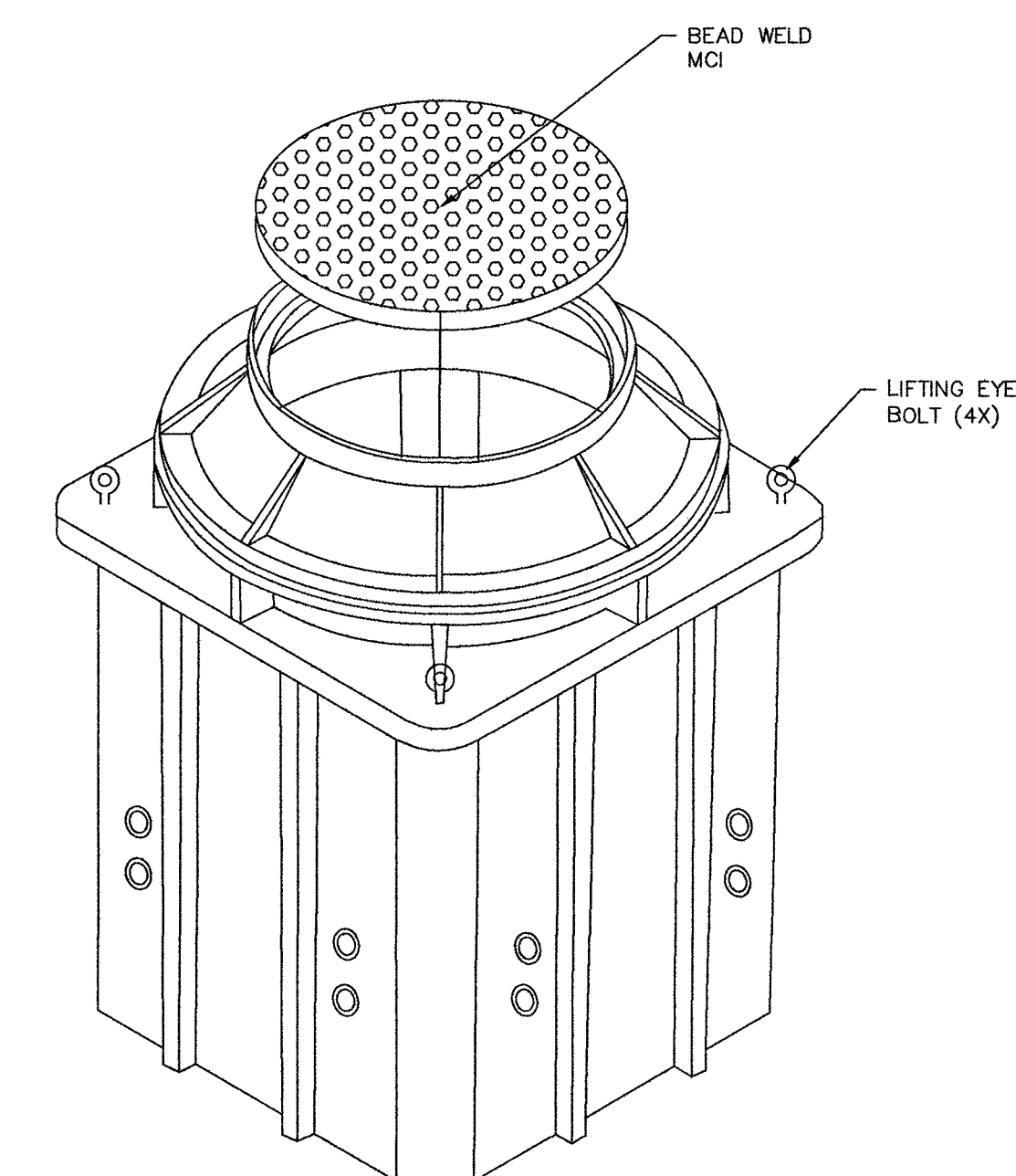
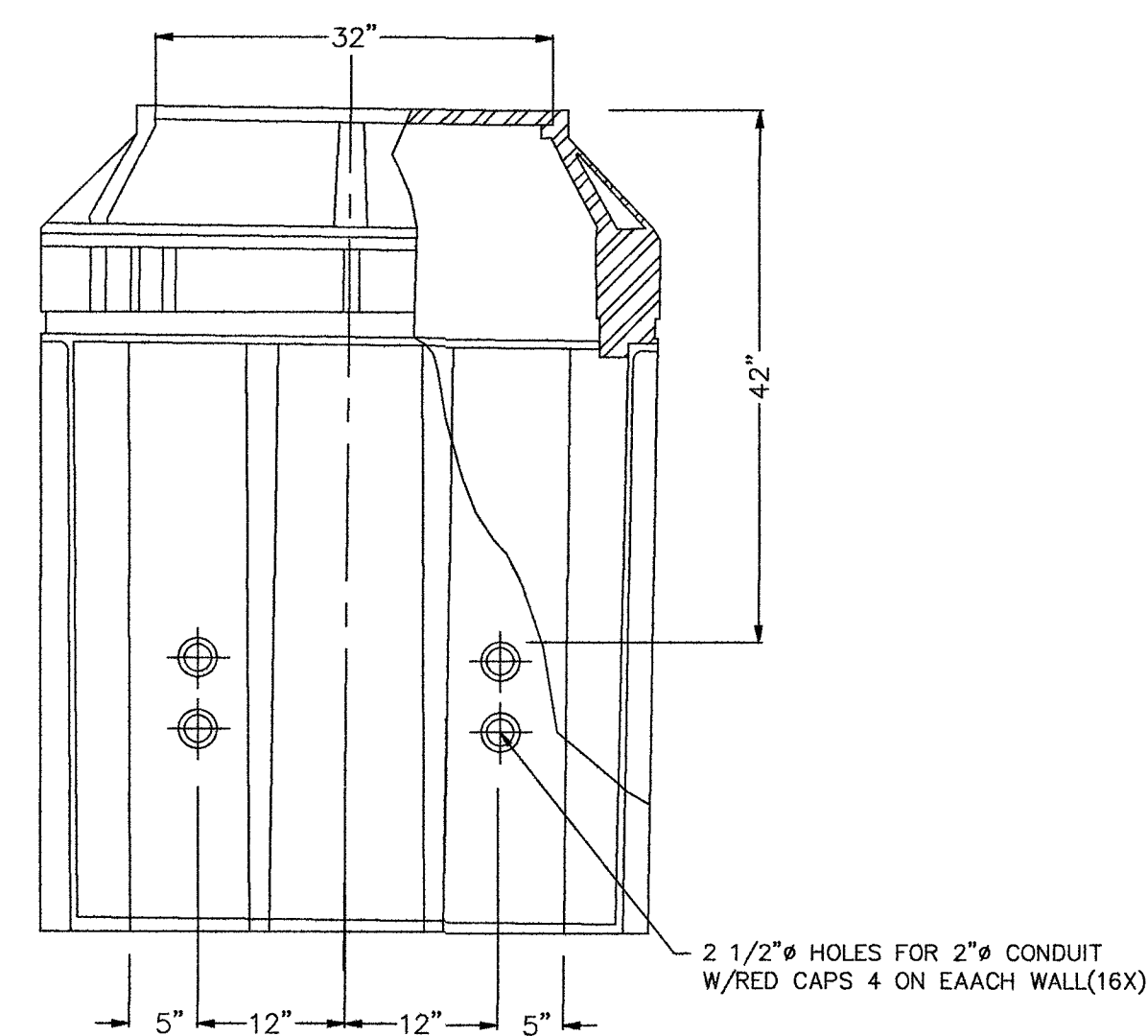
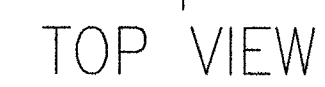
HORIZONTAL:  $1''=30'$

VERTICAL: NA

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

SHEET 45 OF 1213  
FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV





CITY OF LAS VEGAS, NEVADA

[illegible]

OUTSIDE PLANT CONSTRUCTION

---

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL - 914087

REVISIONS

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

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.

SHEET 5/6 OF 12/13

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV

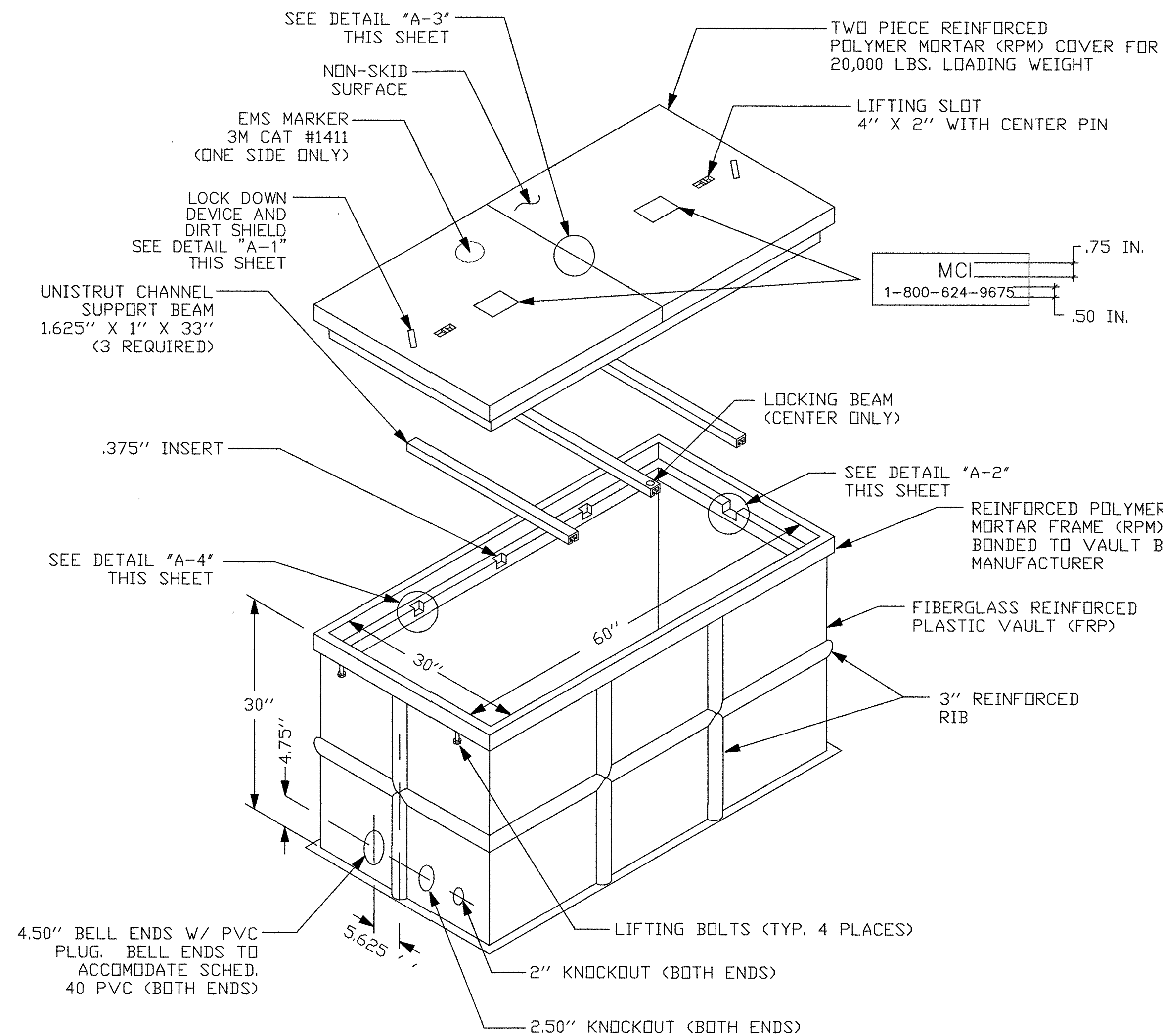
|                                                                                                                                                                                                                                                                                                                                                                                             |                                                                     |                                                                                    |                  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------|--|--|
|                                                                                                                                                                                                                                                                                                        | 13230 SATICOY STREET<br>NORTH HOLLYWOOD, CA 91605<br>(818) 982-3500 | PART DESCRIPTION<br><b>4'X4'X4' POLYMER CONCRETE MANHOLE ASSEMBLY W/ EXTENSION</b> |                  |  |  |
| ARMORCAST PRODUCTS COMPANY                                                                                                                                                                                                                                                                                                                                                                  |                                                                     | CUSTOMER<br><b>MCI</b>                                                             |                  |  |  |
| THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE REPRODUCED OR ITS CONTENTS DISCLOSED IN ANY WAY WITHOUT WRITTEN EXCEPT WITH THE PRIOR WRITTEN APPROVAL OF ARMORCAST PRODUCTS COMPANY. IT IS THE POLICY OF ARMORCAST PRODUCTS COMPANY THAT ALL INFORMATION MUST BE RETURNED TO ARMORCAST PRODUCTS COMPANY, 13230 SATICOY STREET, NORTH HOLLYWOOD, CALIFORNIA 91605 |                                                                     |                                                                                    |                  |  |  |
| DRAWING                                                                                                                                                                                                                                                                                                                                                                                     | DATE                                                                | SCALE                                                                              | MAX. LOAD.       |  |  |
| QL                                                                                                                                                                                                                                                                                                                                                                                          | 8/17                                                                | NONE                                                                               | AASHTO H-20      |  |  |
| APPROV.                                                                                                                                                                                                                                                                                                                                                                                     | DATE                                                                | MATERIAL                                                                           | DRAWING NUMBER   |  |  |
| WS                                                                                                                                                                                                                                                                                                                                                                                          | 8/17                                                                | FRP, RPM                                                                           | A6000514HTAPMC13 |  |  |

THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE REPRODUCED OR ITS CONTENTS DIVULGED IN ANY WAY WHATSOEVER WITHOUT THE PRIOR WRITTEN APPROVAL OF ARMORCOST PRODUCTS COMPANY. IT IS THE PROPERTY OF AND MUST BE RETURNED TO ARMORCOST PRODUCTS COMPANY, 13230 SATICOY STREET, NORTH HOLLYWOOD, CALIFORNIA 91605

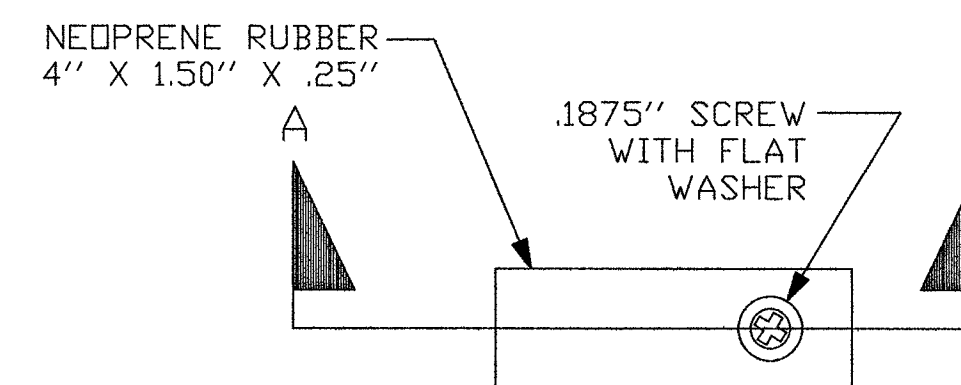


# 2.5' x 5' x 2.5' HANDHOLE DETAILS

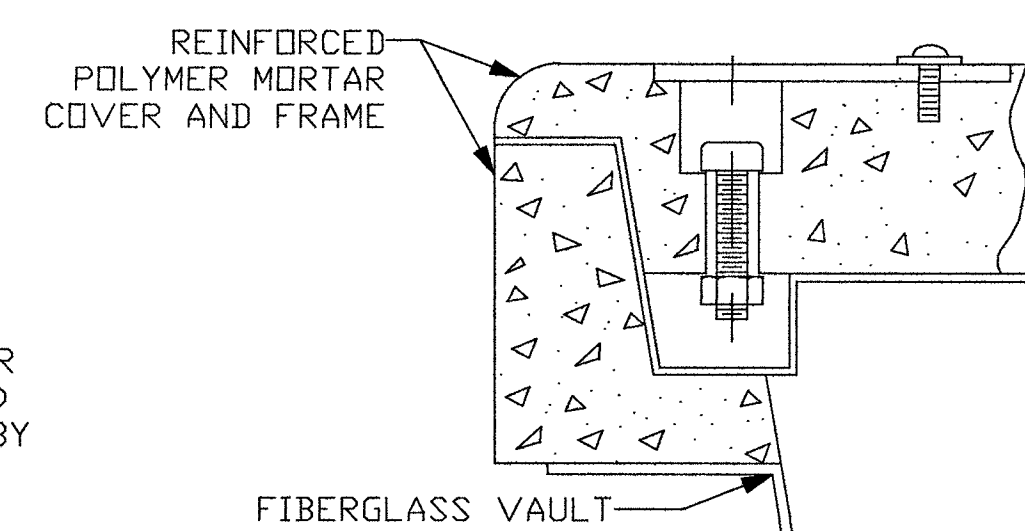
DETAIL "A"  
EXPLODED ISOMETRIC DETAIL



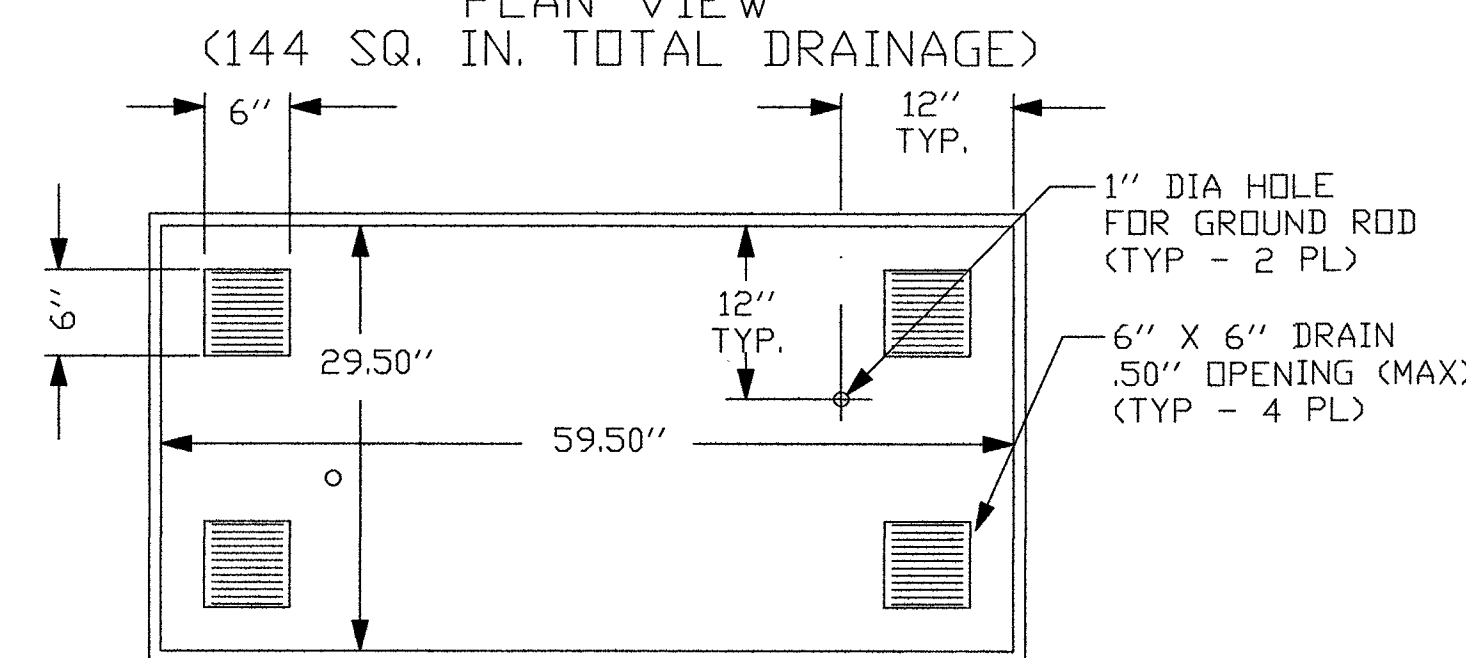
DETAIL "A-1"  
LOCK DOWN DEVICE



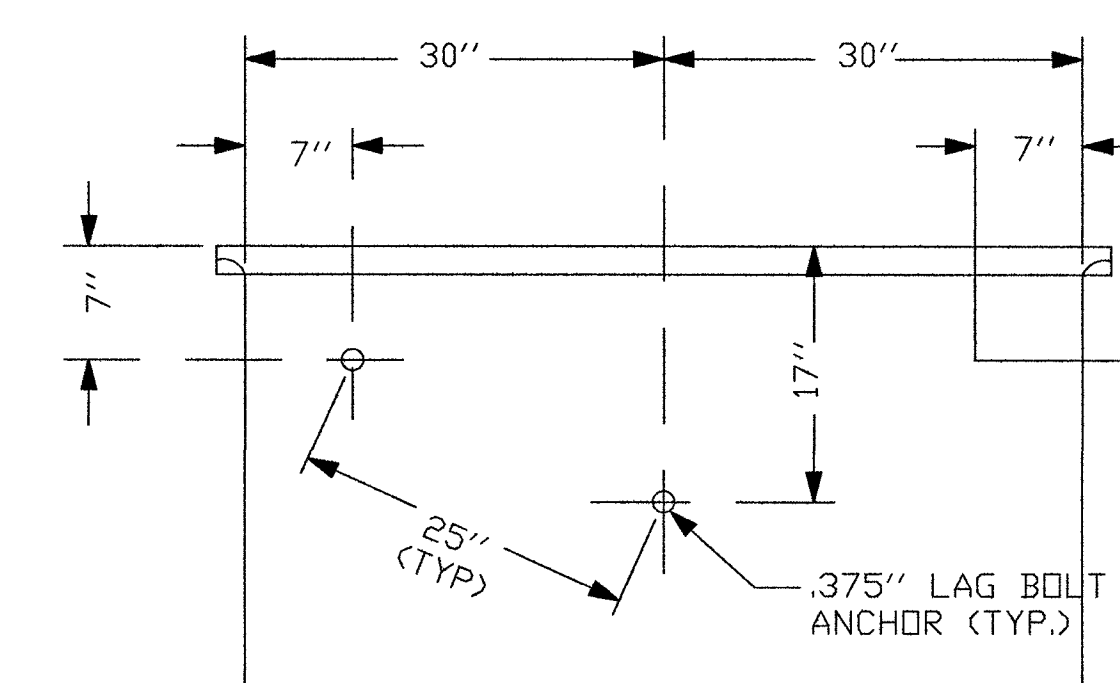
SECTION A-A  
LOCKING DEVICE CROSS SECTION



DETAIL "B"  
VAULT BOTTOM PLAN VIEW

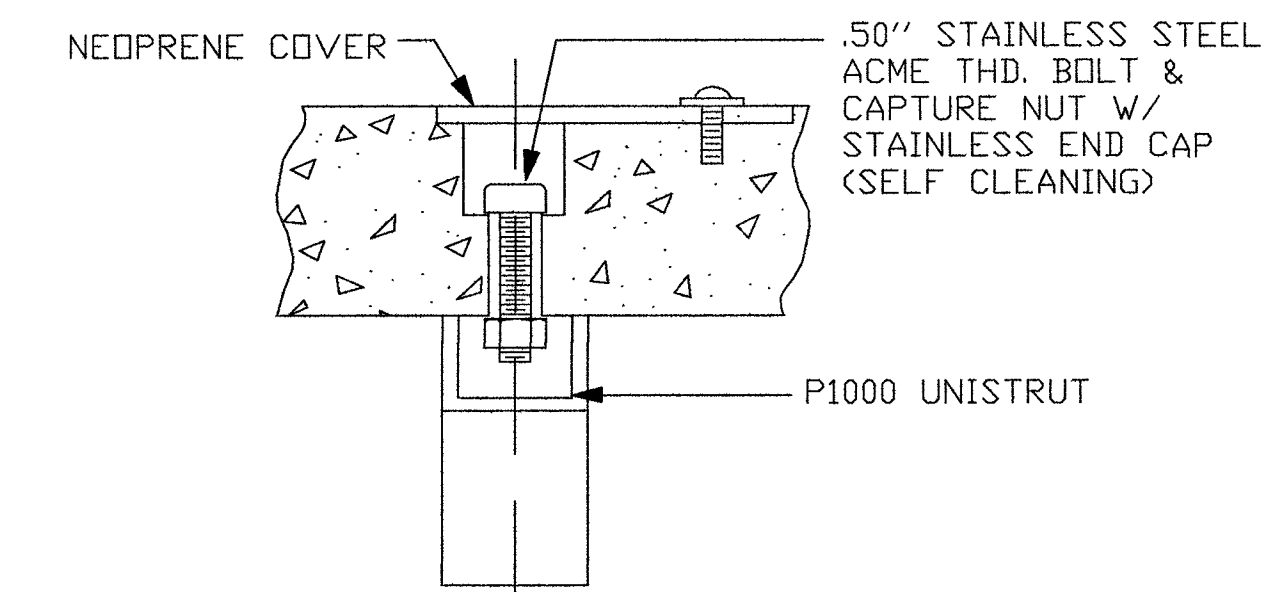


DETAIL "D"  
SIDE WALL VIEW INSIDE LOOKING OUT

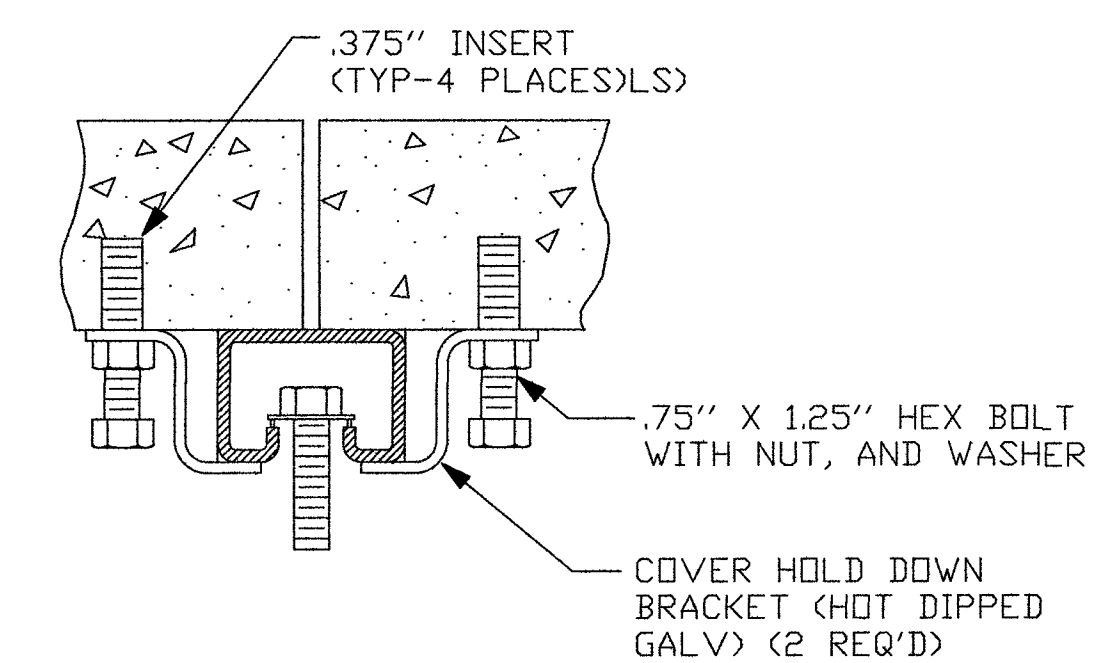


NOTE:  
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25".

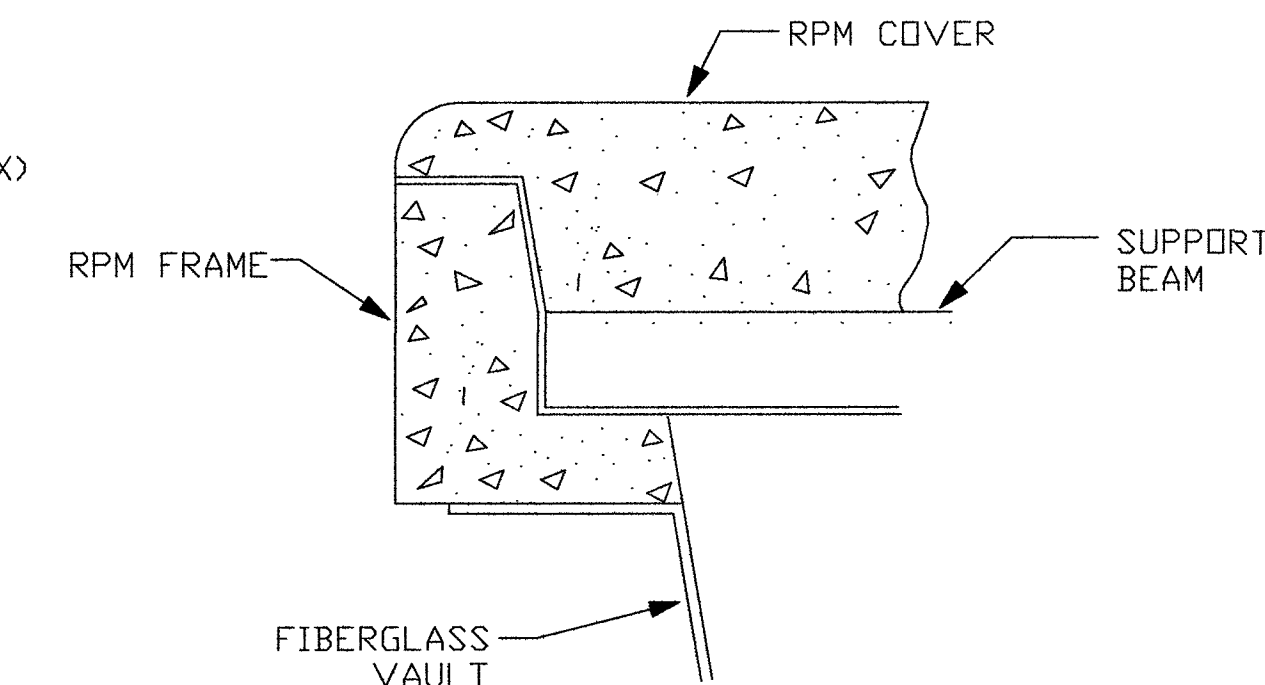
DETAIL "A-2"  
ENGAGED LOCK DOWN DEVICE



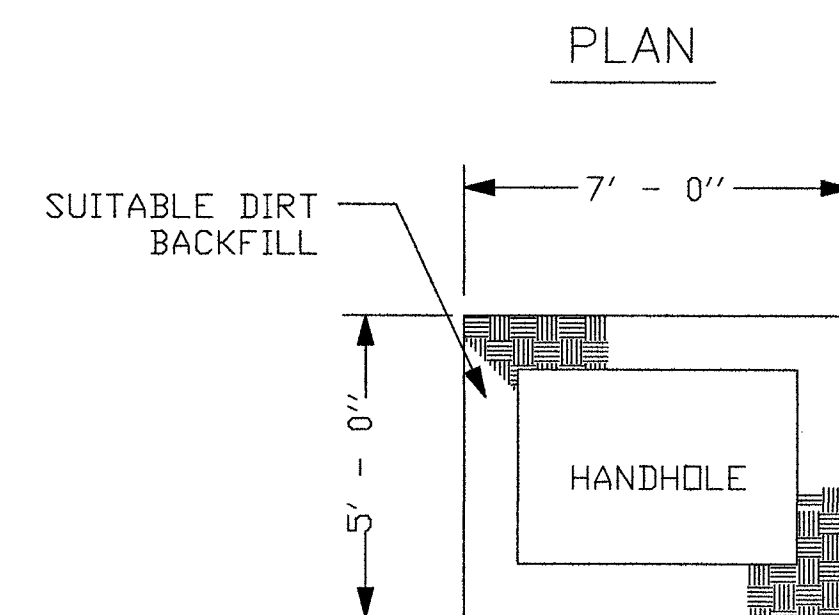
DETAIL "A-3"  
COVER HOLD DOWN BRACKET OF 2-PIECE RPM COVER



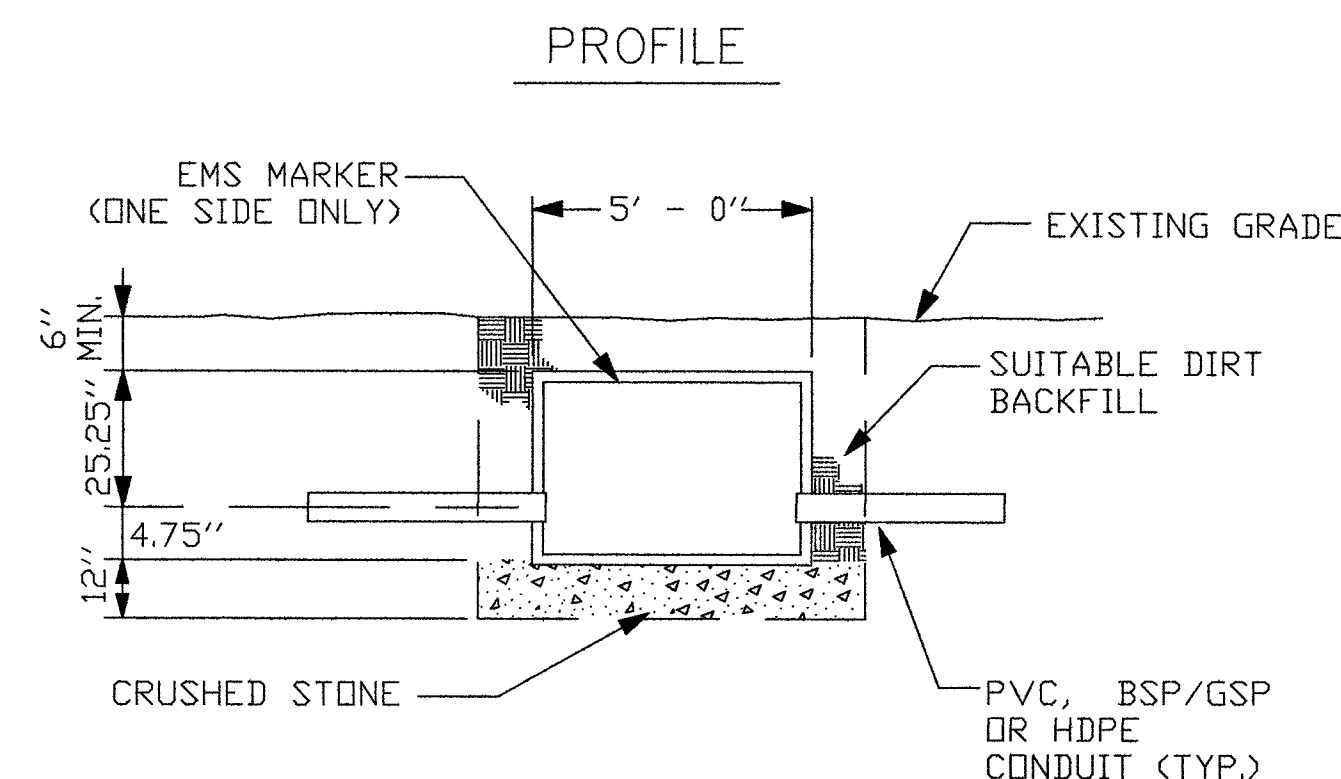
DETAIL "A-4"  
SUPPORT BEAM INSTALLATION (TYP. AT 6 PLACES)



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



DETAIL "C"  
EXCAVATION PIT



CELL SITE: LSV TENAYA - BACK HAUL - 914087

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

DATE: 2/11/2019

DRAWN BY: ADADKHAH

REVISIONS

DATE DESCRIPTION INITIAL

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 67 OF 1213

LSV TENAYA - BACK

FILE: HAUL - 914087 - CLV





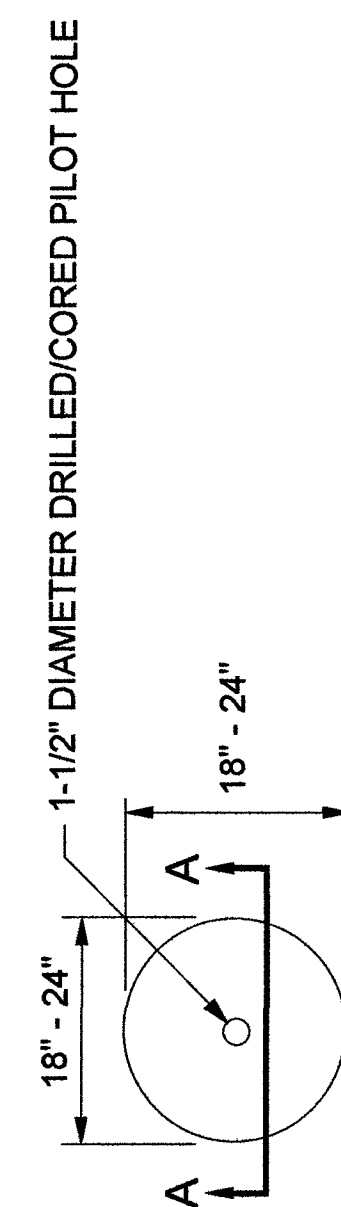
"THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE REPRODUCED OR ITS CONTENTS DIVULGED IN ANY WAY WHATSOEVER EXCEPT WITH THE PRIOR WRITTEN APPROVAL OF ARMORCAST PRODUCTS COMPANY. IT IS THE PROPERTY OF AND MUST BE RETURNED TO ARMORCAST PRODUCTS COMPANY, 13230 SATICOY STREET, NORTH HOLLYWOOD, CALIFORNIA 91605."

|                                               |              |                              |                                   |
|-----------------------------------------------|--------------|------------------------------|-----------------------------------|
| PART DESCRIPTION                              |              |                              |                                   |
| 24" X 36" X 24" POLYMER CONCRETE BOX ASSEMBLY |              |                              |                                   |
| CUSTOMER                                      |              |                              |                                   |
| 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>A6001974TAPMCI3 |

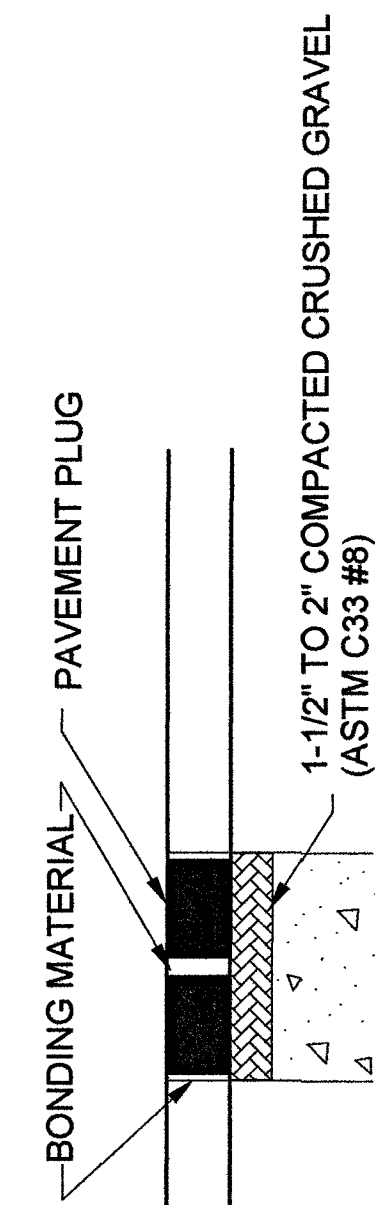
TYPE B - KEYHOLE REPAIR  
REQUIRED FOR ROW WIDTH GREATER THAN 60'  
OPTIONAL FOR ROW WIDTH 60' OR LESS

**NOTES:**

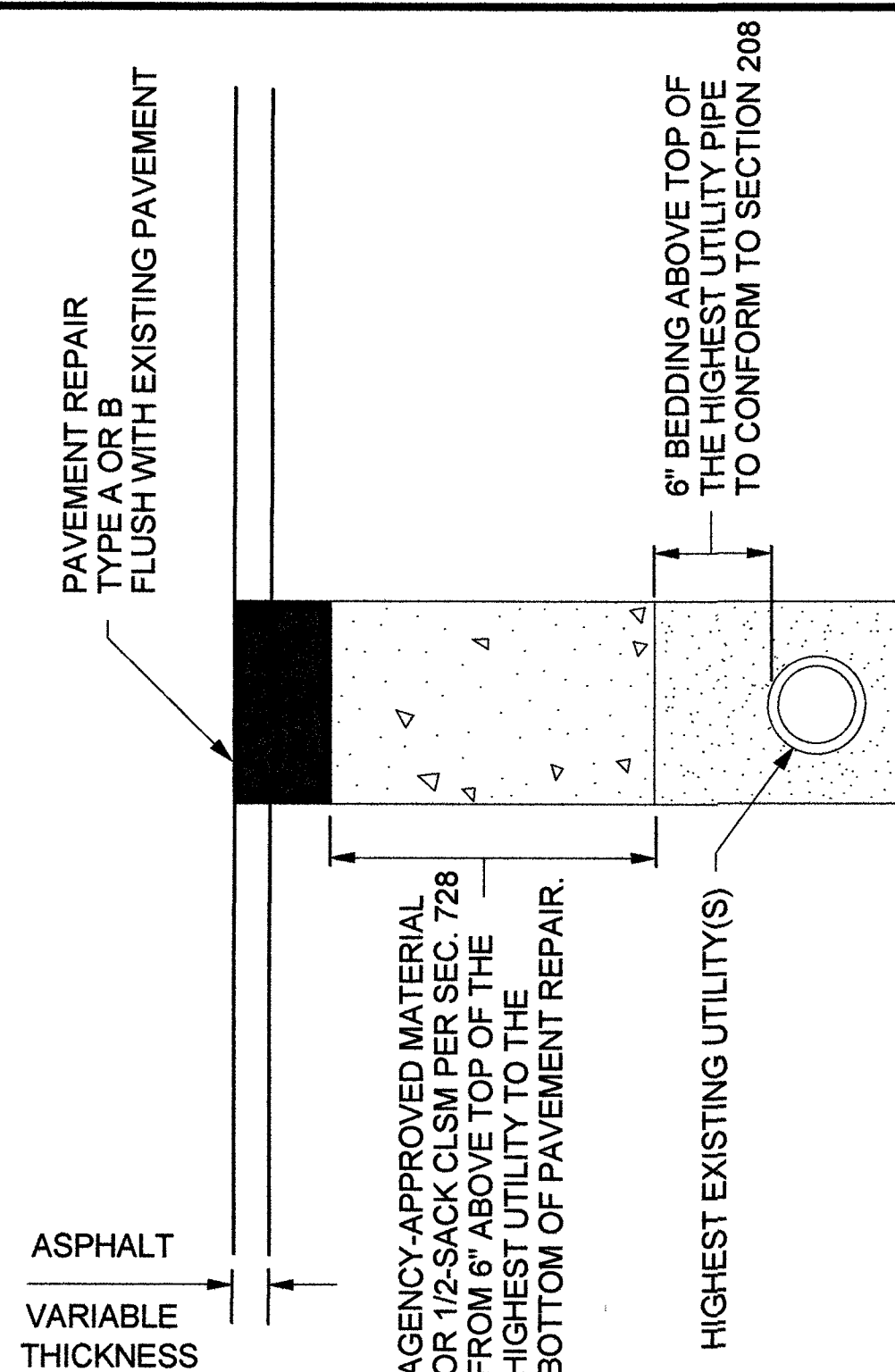
1. CUT AND REMOVE PAVEMENT PLUG WITH AN APPROVED KEYHOLE CORING DEVICE. PAVEMENT TO BE CORED SHALL CONTAIN NO CRACKS AND SHALL BE AT LEAST 4" THICK. IF PLUG IS DAMAGED OR IS LESS THAN 4" THICK, REPLACE PLUG WITH A "FARMED" ASPHALT PLUG FROM AN APPROVED SITE. FARMED PLUGS SHALL BE AT LEAST 4" THICK AND 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 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.
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.



**POTHOLE PLAN VIEW**  
(NOMINAL DIMENSIONS)



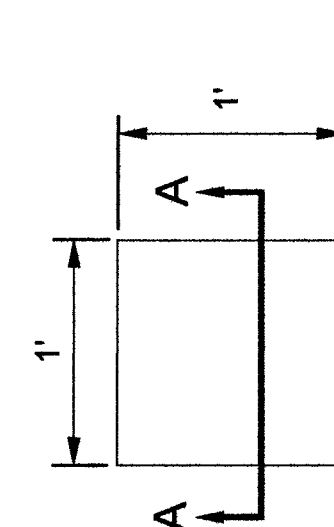
## POTHOLE PROFILE



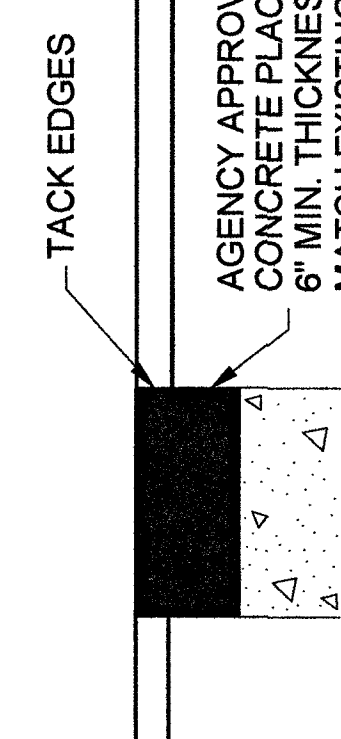
**SECTION A-A**

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

**NOTE: EDGES SHALL BE CUT TO  
A NEAT VERTICAL FACE.**



**POTHOLE PLAN VIEW**  
**(NOMINAL DIMENSIONS)**

POTHOLE  
PROFILE

AGENCY APPROVED ASPHALT  
CONCRETE PLACED IN 2" LIFTS.  
6" MIN. THICKNESS OR  
MATCH EXISTING.

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| AGENCY APPROVED | B | C | H | L | M | N |
|-----------------|---|---|---|---|---|---|

| SPECIFICATION REFERENCE |                            |
|-------------------------|----------------------------|
| 215                     | KEYHOLE POTHOLE EXCAVATION |
|                         | AND BACKFILL               |
|                         |                            |
|                         |                            |
|                         |                            |
|                         |                            |

UNIFORM STANDARD DRAWINGS  
CLARK COUNTY AREA

## UTILITY POTHOLE REPAIR

|               |              |  |
|---------------|--------------|--|
| DATE 01-01-12 | DWG. NO. 506 |  |
|---------------|--------------|--|



CELL SITE: LSV TENAYA - BACK HAUL -  
914087

CITY OF LAS VEGAS, NEVADA

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

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL - 914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

## REVISIONS

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

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 |
|-----------|----|

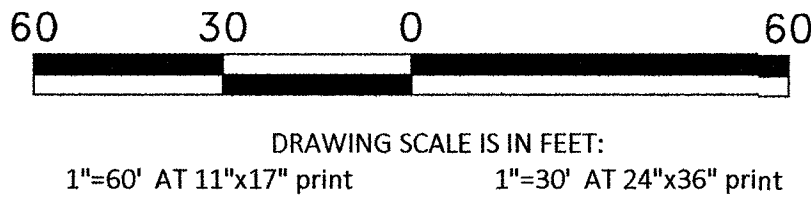
|    |       |
|----|-------|
| MP | TO MP |
|----|-------|

SHEET 7 8 OF 12 13

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



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



CELL SITE: LSV TENAYA - BACK HAUL -  
914087

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 4' x 4' MANHOLE(S):      | -    |
| MANHOLE(S):                   | -    |
| AERIAL:                       | -    |
| VZW CONDUIT:                  | -    |
| 3RD PARTY CONDUIT:            | 204' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 204' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

REVISIONS

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

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

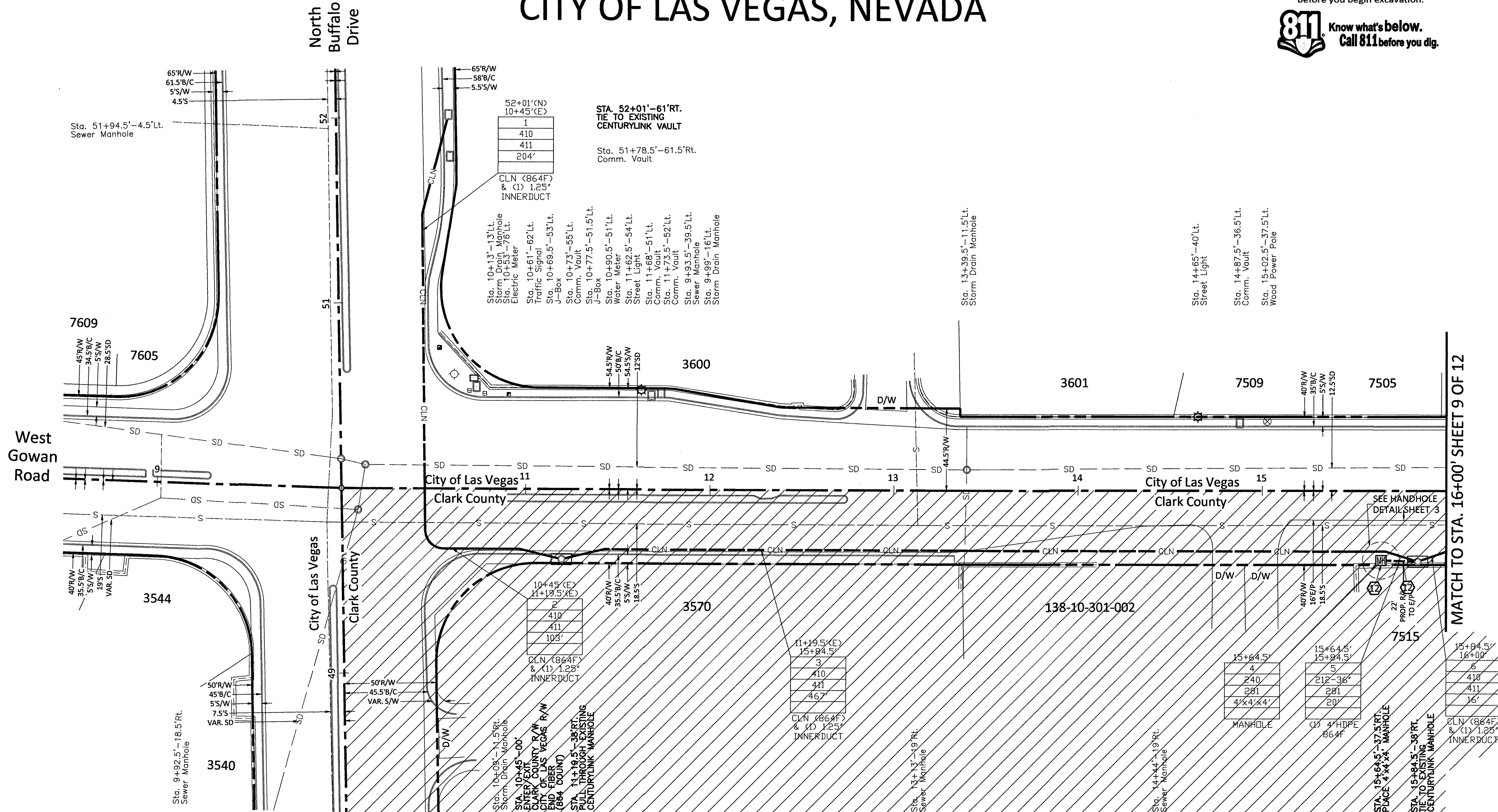
SHEET 8 OF 12

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV

RTC NOTES:

|                                                                                                  |                                            |
|--------------------------------------------------------------------------------------------------|--------------------------------------------|
| BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY<br>UNIFORM STANDARD DRAWINGS | 210 PLACE CONDUIT                          |
| (1) 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                                     | 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| (2) 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                         | 240 PLACE HANDHOLE                         |
| (3) 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W             | 250 PLACE MANHOLE                          |
| (4) 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS                  | 270 REMOVE AND RESTORE ASPHALT             |
| (5) 500.5 OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                            | 280 REMOVE AND RESTORE CONCRETE            |
| (6) 501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W           | 281 REMOVE AND RESTORE SIDEWALK            |
| (7) 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W           | 282 REMOVE AND RESTORE CURBING             |
| (8) 503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       | 283 REMOVE AND RESTORE DIRT/LANDSCAPING    |
| (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                       |

- 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
- 283 REMOVE AND RESTORE DIRT/LANDSCAPING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE





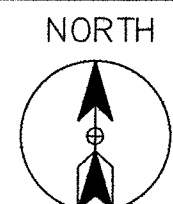
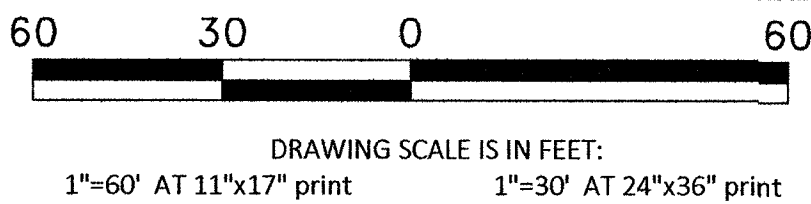


|                |      |
|----------------|------|
| TOTAL FOOTAGE: | 285' |
|----------------|------|

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  
291 REMOVE AND RESTORE SIDEWALK  
282 REMOVE AND RESTORE CURBING  
283 REMOVE AND RESTORE DIRT/LANDSCAPING  
410 PULL CABLE  
411 PULL THROUGH DUCT (INNERDUCT)  
520 PLACE AERIAL CABLE  
630 DIRECTIONAL BORE



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



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



CELL SITE: LSV TENAYA - BACK HAUL -  
914087

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 4' x 4' MANHOLE(S):      | -    |
| MANHOLE(S):                   | -    |
| AERIAL:                       | -    |
| VZW CONDUIT:                  | -    |
| 3RD PARTY CONDUIT:            | 802' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 822' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

REVISIONS

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

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

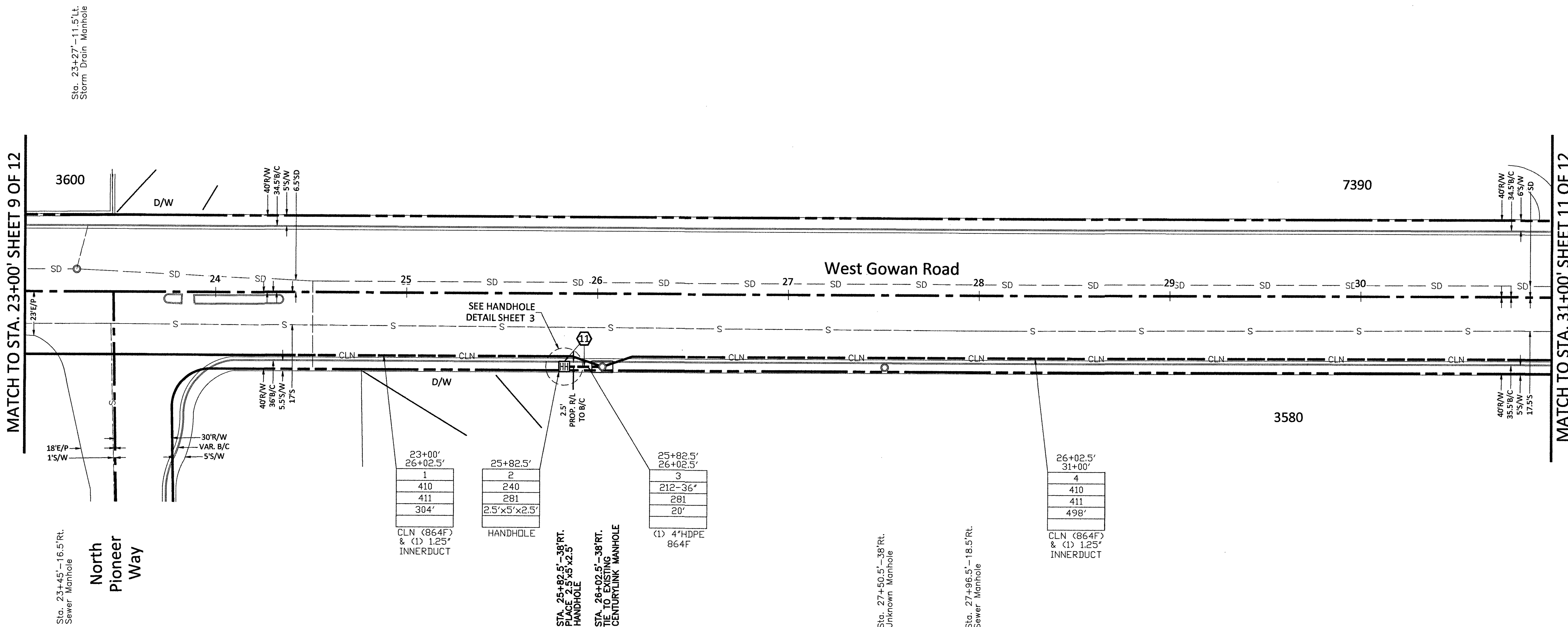
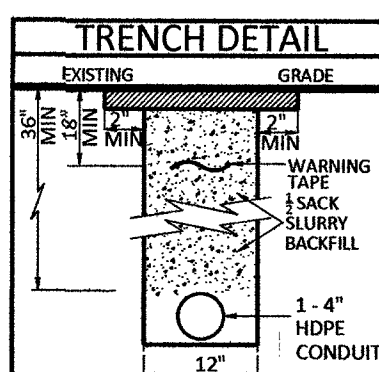
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 10 OF 12

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV



RTC NOTES:

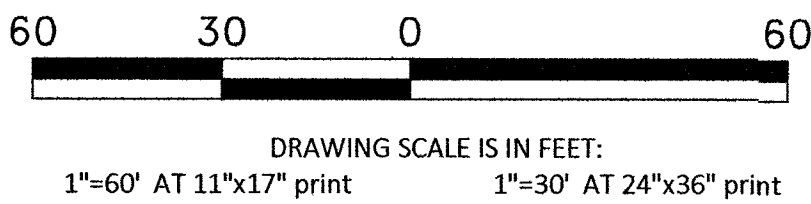
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY  
UNIFORM STANDARD DRAWINGS

|      |       |                                                                                |
|------|-------|--------------------------------------------------------------------------------|
| (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
- 283 REMOVE AND RESTORE DIRT/LANDSCAPING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BURE



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.

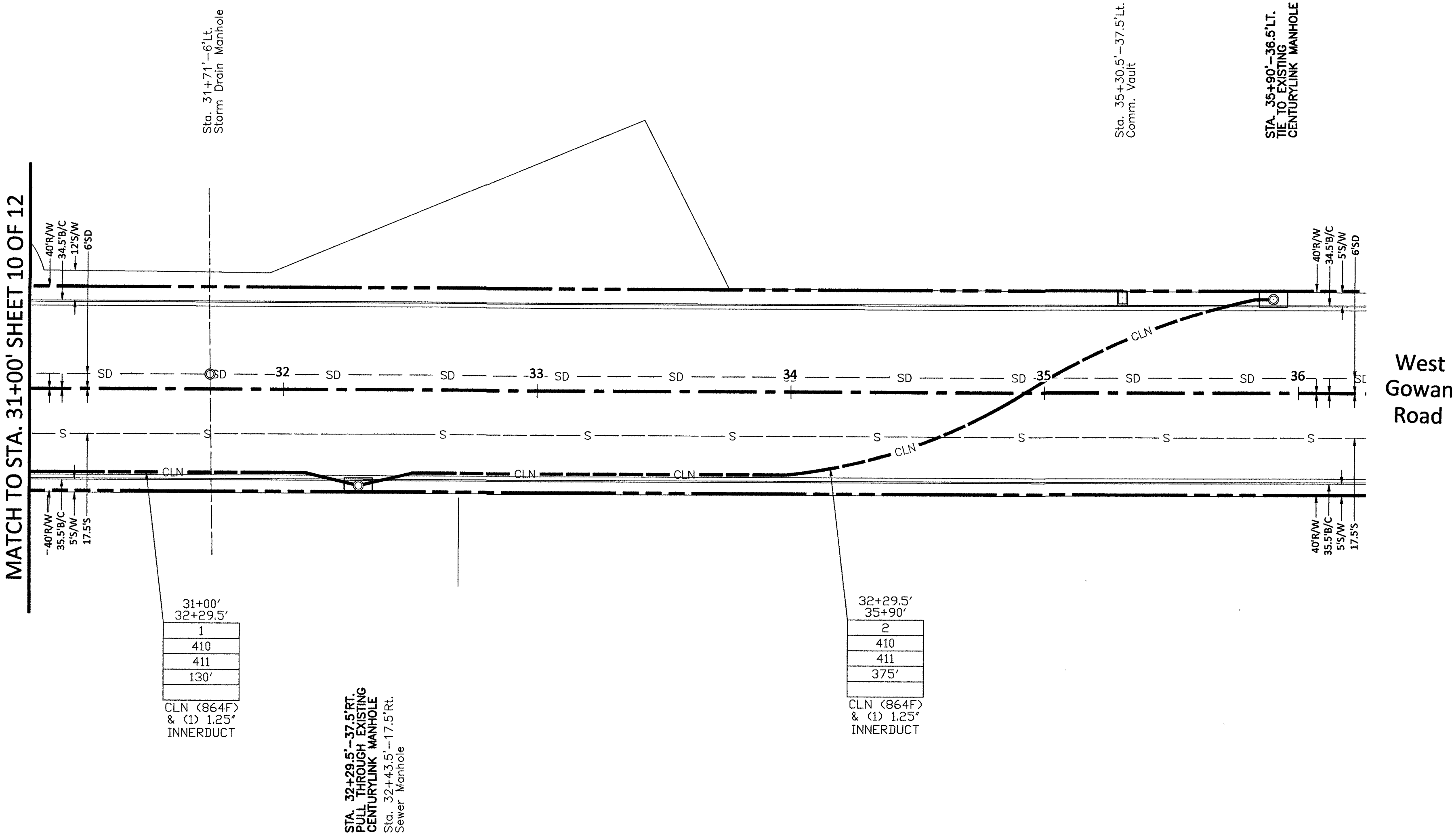


CELL SITE: LSV TENAYA - BACK HAUL -  
914087

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 4' x 4' MANHOLE(S):      | -    |
| MANHOLE(S):                   | -    |
| AERIAL:                       | -    |
| VZW CONDUIT:                  | -    |
| 3RD PARTY CONDUIT:            | 505' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 505' |



COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019  
DRAWN BY: ADADKHAH

REVISIONS

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

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 11 OF 12

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV

RTC NOTES:

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

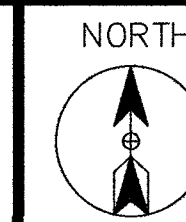
|          |                                                                                |
|----------|--------------------------------------------------------------------------------|
| 500.1    | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                             |
| 500.2    | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                 |
| 500.3    | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     |
| 500.4    | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          |
| 500.5    | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    |
| 501      | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| 501.1    | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   |
| 503      | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| 503.1    | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       |
| 503.2    | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          |
| 234      | SIDEWALK                                                                       |
| 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             |
| 283 | REMOVE AND RESTORE DIRT/LANDSCAPING    |
| 410 | PULL CABLE                             |
| 411 | PULL THROUGH DUCT (INNERDUCT)          |
| 520 | PLACE AERIAL CABLE                     |
| 630 | DIRECTIONAL BORE                       |



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

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

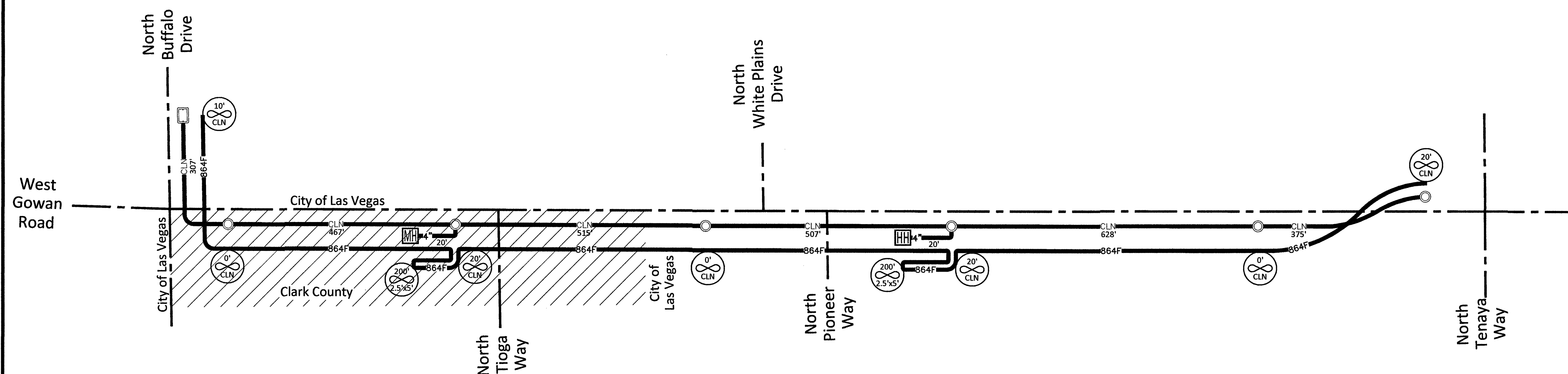


CITY OF LAS VEGAS, NEVADA

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

FIBER TOTALS

FIBER SIZE/LENGTH: 864F - 3,349'



MCI  
COMMUNICATIONS SERVICES, INC.

## OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV TENAYA - BACK HAUL -  
914087

DATE: 2/11/2019

DRAWN BY: ADADKHAH

## REVISIONS

| DATE | DESCRIPTION | INITIALS |
|------|-------------|----------|
|      |             |          |
|      |             |          |
|      |             |          |
|      |             |          |

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 12 OF 12

FILE: LSV TENAYA - BACK  
HAUL - 914087 - CLV

SITE-SPAN NAME: CELL SITE: LSV Tenaya - BACK HAUL -  
914087

SITE-SPAN ID: 1711BOPK.16

| FQID              | SEGMENT | FIBER COUNT | TRENCH | BORE | DB/OT | 3RD PARTY | VZ OWNED | AERIAL | TOTAL  |
|-------------------|---------|-------------|--------|------|-------|-----------|----------|--------|--------|
| FIB:BUR::56001196 | 914087  | 864F        | -      | -    | -     | 2,798'    | -        | -      | 2,798' |
| FIB:BUR::56001196 | NEW     | 864F        | 20'    | -    | -     | -         | -        | -      | 20'    |
| FIB:BUR::56001196 | NEW     | 864F        | 20'    | -    | -     | -         | -        | -      | 20'    |

M:\VERIZON ONEFIBER\LAS VEGAS\LSV TENAYA\BACK HAUL\BACK HAUL - 914087\CONSTRUCTION DRAWINGS