

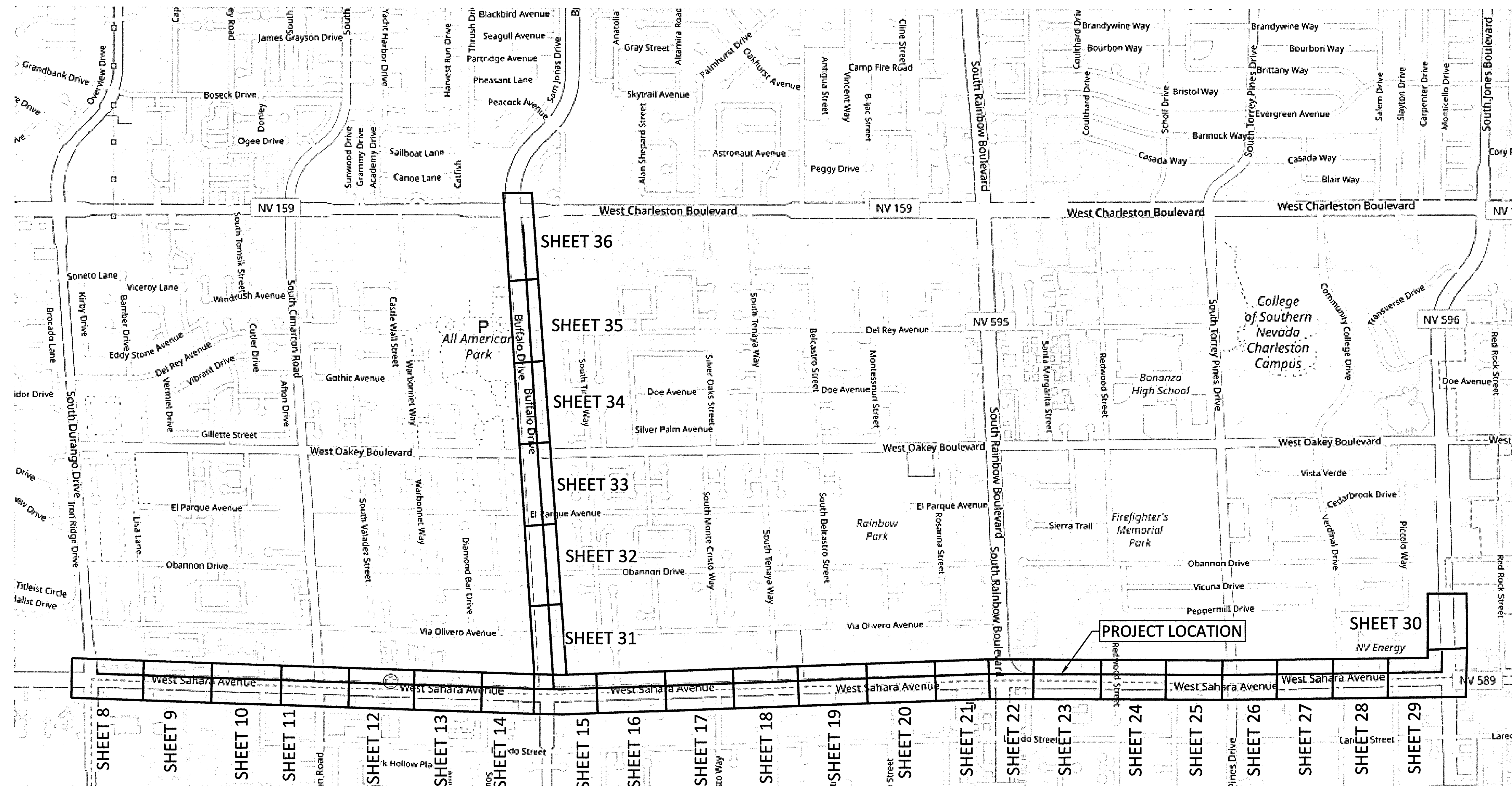


FIB:BUR::56001174

NORTH

A compass rose with four arrows pointing North, South, East, and West. The North arrow is the longest and has a small circle at its base. The South arrow is the shortest. The East and West arrows are of medium length. The North arrow is labeled 'NORTH' above it.

UNIT OF ENV. TESTS, NEVADA



OUTSIDE PLANT CONSTRUCTION

---

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

\_\_\_\_\_

RAINBOW &amp; BACK HAUL\CONSTRUCTION DRAWINGS



NOTES CONTINUED/CONTACT SHEET

GROUNDING NOTES

11.4 HANDHOLE/MANHOLE GROUNDING

All splice handholes/manholes will be grounded to conform with the MCI typical engineering drawing shown in Appendix A.

MCI-furnished materials:

- One 5/8-inch x 8-foot copper-clad steel ground rod equipped with a 15-foot #6 AWG pigtail
- One surge arrester handhole
- One isolator/protector system with 30 foot harness for use on a straight splice, or
- One isolator/protector system with 30-foot harness system for use at splices with a spur cable.

11.5 AERIAL CABLE GROUNDING

Cable sheath to strand bonds and grounding as required by National Electrical Code and Power Company Codes are required at all riser locations of an aerial segment.

Bond cable sheath and suspension strand to multi-ground neutral (MGN) vertical grounding conductor if one exists; if not, use a driven ground rod or a non-insulated guy.

A guy may also require grounding. This is determined by establishing the exposure status (exposed or unexposed) of the guy.

All exposed guys must be either grounded or insulated. A guy is exposed if:

- It is attached to the same pole as open power conductors or spacer cable of any voltage.
- It crosses such power conductors.
- It is within ten feet horizontally (and any distance vertically) of such power conductors.

Grounding is the preferred treatment for exposed guys, except for the following cases in which they must be insulated:

- The MCI guy fastened to the pole in power company working space and a grounded guy would offer an additional hazard to power company linemen.
- Within 1/2-mile of a power station.
- Where electrolytic corrosion of anchors has occurred (unexposed guys, in this case must be separated from the cable strand at the pole, and electrical connection through hardware must be avoided).

Adequate grounding for MCI guys may be obtained through connection to any of the following:

- Vertical grounding conductor of power system multi-ground neutral (with permission of the power company).
- Suspension strand of grounded MCI cable.
- Common anchor rod with a power guy that is connected to the multi-grounded neutral.

Unexposed guys need not be grounded for protection reasons; however, connecting anchor guys to a grounded MCI strand is recommended, as it will lower the cable-to-ground impedance. This helps to reduce cable damage caused by lightning.

MCImetro Access Transmission Services Corp  
d/b/a Verizon Access Transmission Service (Verizon)

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 VANDENBOS 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 TOTALS SUMMARY

MATERIALS  
2" HDPE CONDUIT(S): 3,206'  
4" HDPE CONDUIT(S): 642'  
2' x 3' x 2' HANDHOLE(S): -  
2.5' x 5' x 2.5' HANDHOLE(S): 28  
4' x 4' x 4' HANDHOLE(S): -  
MANHOLES: -

WORK TYPE  
AERIAL: -  
VZW CONDUIT: -  
3RD PARTY CONDUIT: 20,495'  
TRENCH: 1,363'  
ASPHALT CUT: -  
BORE: 780'

TOTAL NEW UG FOOTAGE: 2,143'  
TOTAL FOOTAGE: 22,638'



PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

MCI COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
|------|---------|
|      |         |
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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 3 OF 41

FILE: BACK HAUL

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 x x x _____ |
| GUARDRAIL                                                      | _____ I _____ I _____       |
| TOP OF SLOPE                                                   | _____ V V V 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

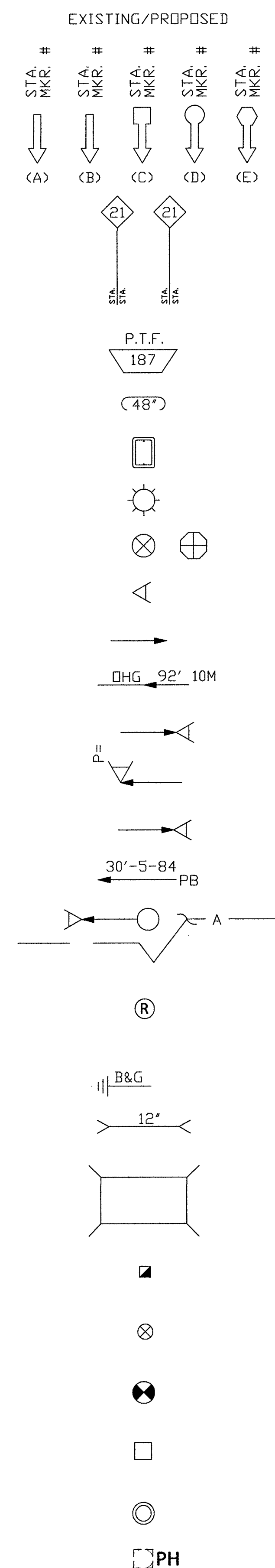
VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE



PROJECT: 911043, 911044, 911045, 911046, 911047,  
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CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

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

[illegible]

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

[illegible]

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SCALE

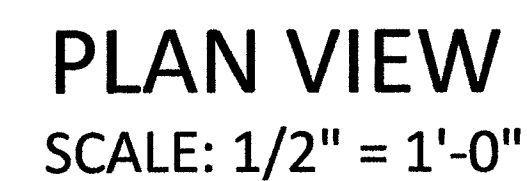
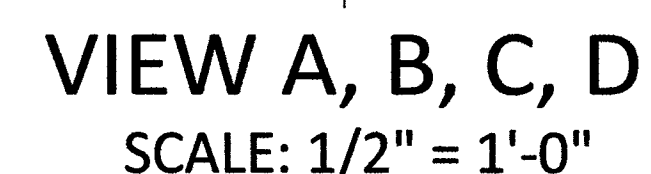
HORIZONTAL:  $1''=30'$

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

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

SHEET 4 OF 41

1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH F'C = 5,000 PSI
2. STEEL REINFORCEMENT: ASTM A-615, GRADE 60
3. COVER TO STEEL - 1" MINIMUM
4. DESIGNED TO MEET ACI 318 FOR:  
HS20 LIVE LOAD  
45 PCF SOIL EFP  
0'-0" SOIL COVER  
WATER TABLE 3'-0" BELOW GRADE
5. JOINT SEALANT: CONSEAL BUTYL SEALANT ASTM C-990-91
6. WEIGHT:  
TOP - 3,100 LBS  
BOTTOM - 3,650 LBS



4'x4'x4' TYPE "S" KNOCKOUT

FREE BOOK TRIAL





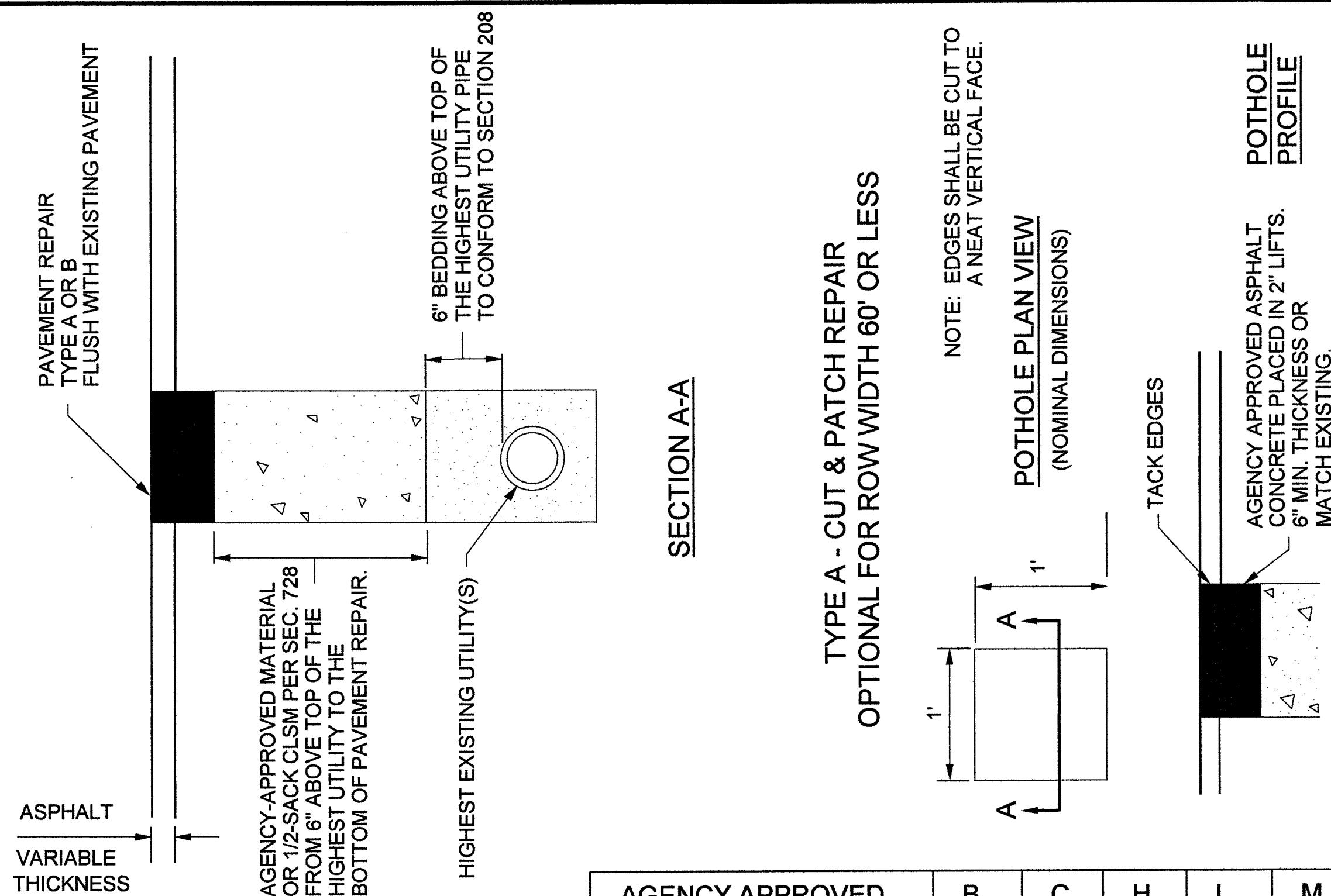
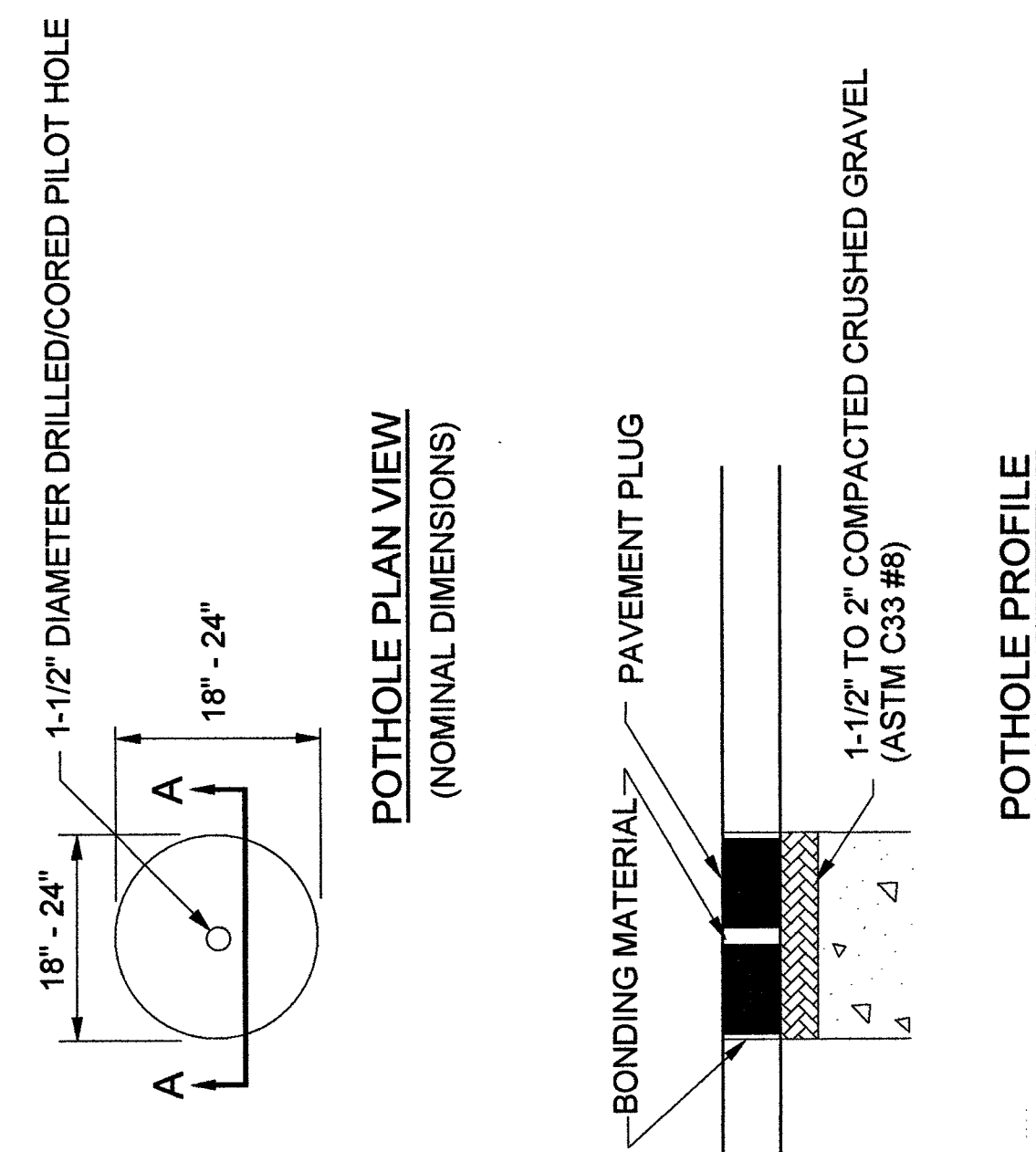
 13230 Satcoy Street,  
North Hollywood, CA 91605  
(818) 982-3600  
**ARMORC45® PRODUCTS COMPANY**

"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>A60001974TAPMC13 |

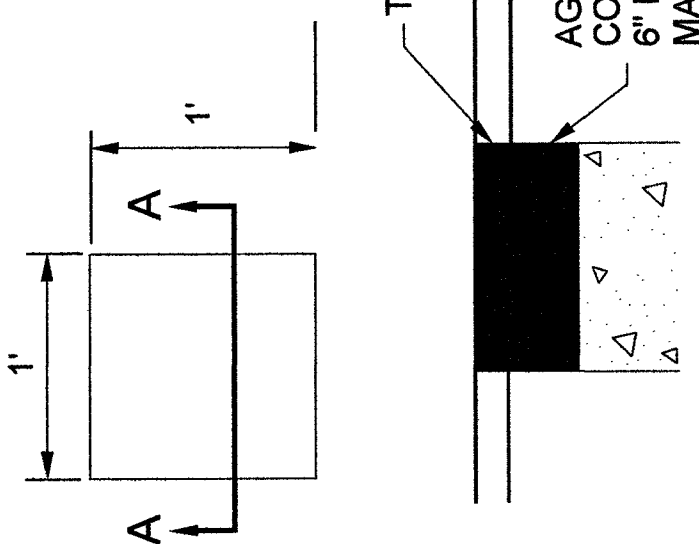
**NOTES:**

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.



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

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



|                         |                            |                                                |  |          |  |                 |  |   |   |   |   |   |   |
|-------------------------|----------------------------|------------------------------------------------|--|----------|--|-----------------|--|---|---|---|---|---|---|
| THICKNESS               |                            | AG OR ER HIG BO                                |  | H        |  | AGENCY APPROVED |  | B | C | H | L | M | N |
| SPECIFICATION REFERENCE |                            | UNIFORM STANDARD DRAWINGS<br>CLARK COUNTY AREA |  |          |  |                 |  |   |   |   |   |   |   |
| 215                     | KEYHOLE POTHOLE EXCAVATION | UTILITY POTHOLE REPAIR                         |  |          |  |                 |  |   |   |   |   |   |   |
|                         | AND BACKFILL               |                                                |  |          |  |                 |  |   |   |   |   |   |   |
|                         |                            |                                                |  |          |  |                 |  |   |   |   |   |   |   |
|                         |                            |                                                |  |          |  |                 |  |   |   |   |   |   |   |
|                         |                            |                                                |  |          |  |                 |  |   |   |   |   |   |   |
|                         |                            | DATE 01-01-12                                  |  | DWG. NO. |  | 506             |  |   |   |   |   |   |   |



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911088, 911089,  
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911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

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

MCI  
COMMUNICATIONS SERVICES, INC.

## OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

[illegible]

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SCALE

HORIZONTAL:  $1''=30'$

VERTICAL: NA

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

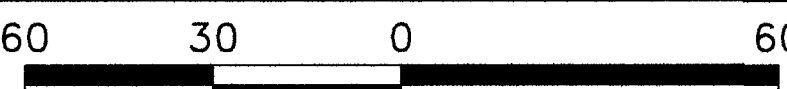
SHEET 7 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL

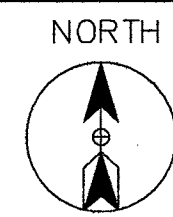


# CONSTRUCTION DRAWING

## CITY OF LAS VEGAS, NEVADA



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.



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911089,  
911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

2" HDPE CONDUIT: 6'

4" HDPE CONDUIT: 27'

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: 27'

TOTAL NEW UG FOOTAGE: 27'

TOTAL FOOTAGE: 827'

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

DATE INITIAL

| DATE | INITIAL |
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SCALE

HORIZONTAL: 1"=30'

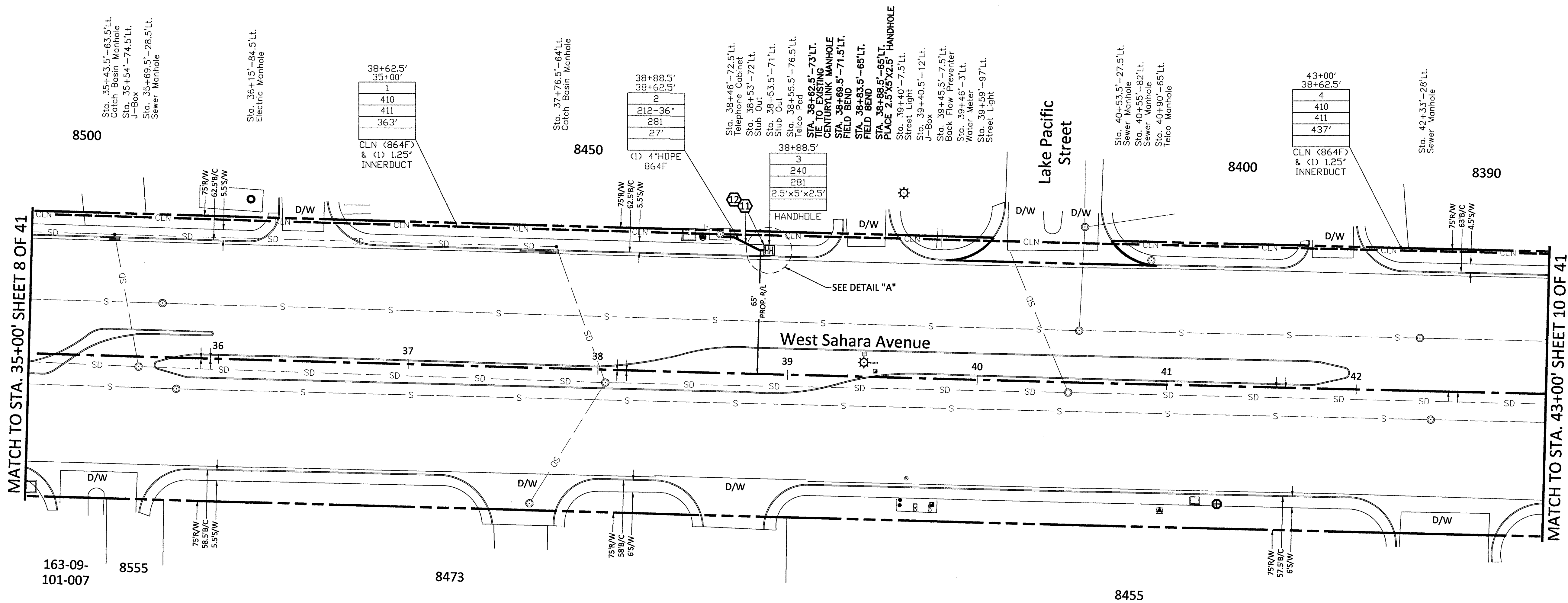
VERTICAL: NA

MP TO MP

SHEET 9 OF 41

LSV SAHARA RAINBOW &

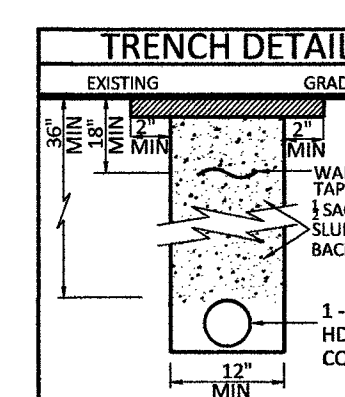
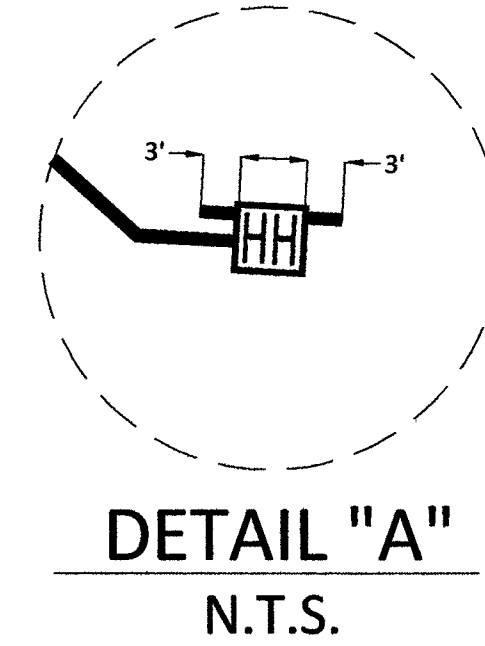
FILE: BACK HAUL



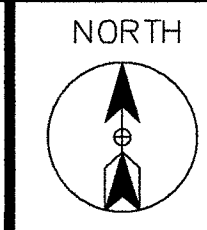
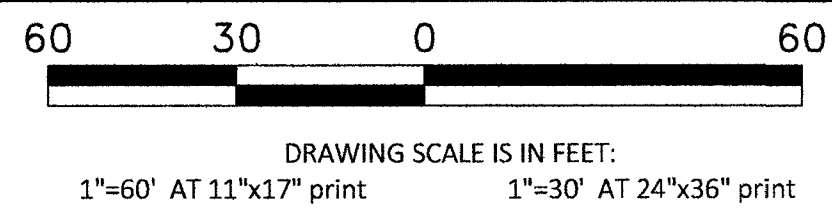
| RTC NOTES:                                                                                    |                                                                                |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 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.            |

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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



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before you begin excavation.



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911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" 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:            | 800' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 800' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

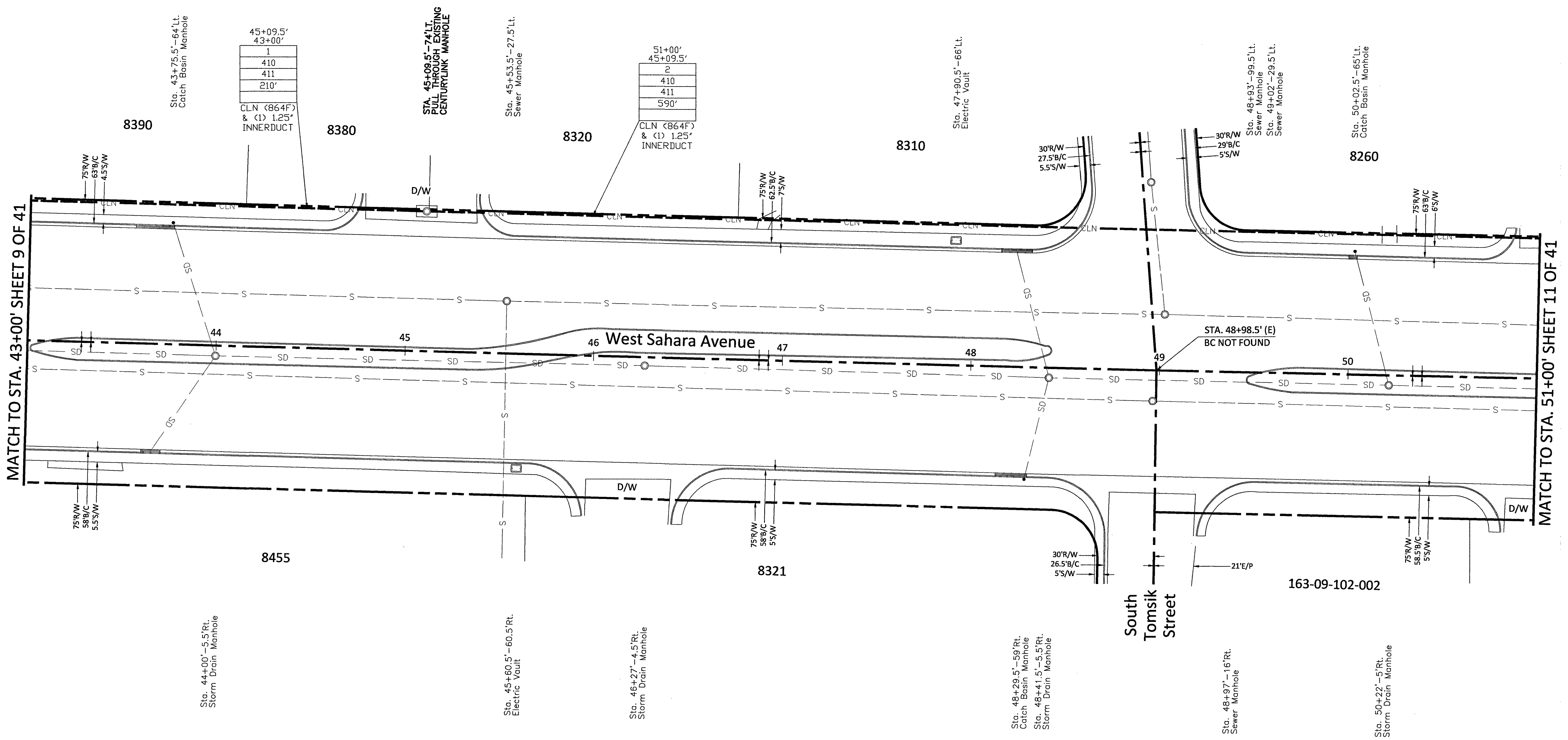
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 10 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL



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.            |

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL  
UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 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



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

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

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 6'   |
| 4" HDPE CONDUIT:              | 27'  |
| 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:                       | 27'  |
| TOTAL NEW UG FOOTAGE:         | 27'  |
| TOTAL FOOTAGE:                | 827' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

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'

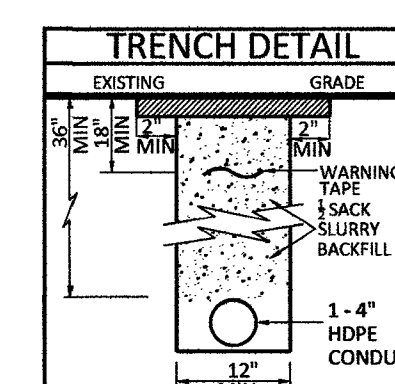
|           |    |
|-----------|----|
| VERTICAL: | NA |
|-----------|----|

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

SHEET 11 OF 41

FILE: LSV SAHARA RAINBOW &  
FILE: BACK HALL

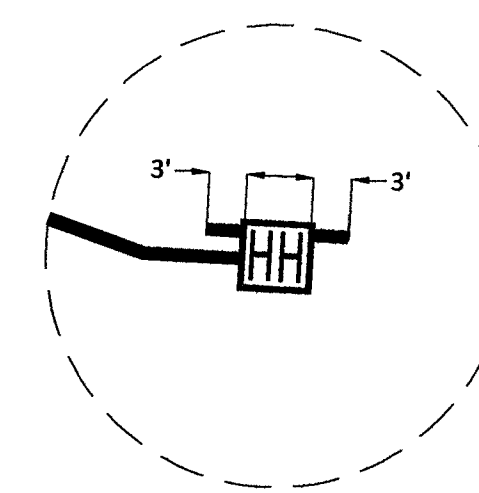
WILL BACK HAUL



|    |                                                                              |                                                                                |
|----|------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 4  | 500.1                                                                        | OTO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                              |
| 5  | 500.2                                                                        | OTO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                  |
| 6  | 500.3                                                                        | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W     |
| 7  | 500.4                                                                        | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS          |
| 8  | 500.5                                                                        | OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS                    |
| 9  | 501                                                                          | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W |
| 10 | 501.1                                                                        | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W   |
| 11 | 503                                                                          | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS             |
| 12 | 503.1                                                                        | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                       |
| 13 | 503.2                                                                        | METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS                          |
| 14 | 234                                                                          | SIDEWALK                                                                       |
| 15 | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY. |                                                                                |

APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

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

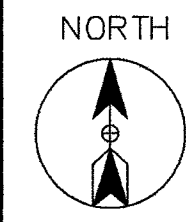


DETAIL "A"  
N.T.S.

# 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: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

2" HDPE CONDUIT: 6'

4" HDPE CONDUIT: 32'

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: 750'

TRENCH: 32'

TOTAL NEW UG FOOTAGE: 32'

TOTAL FOOTAGE: 782'

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

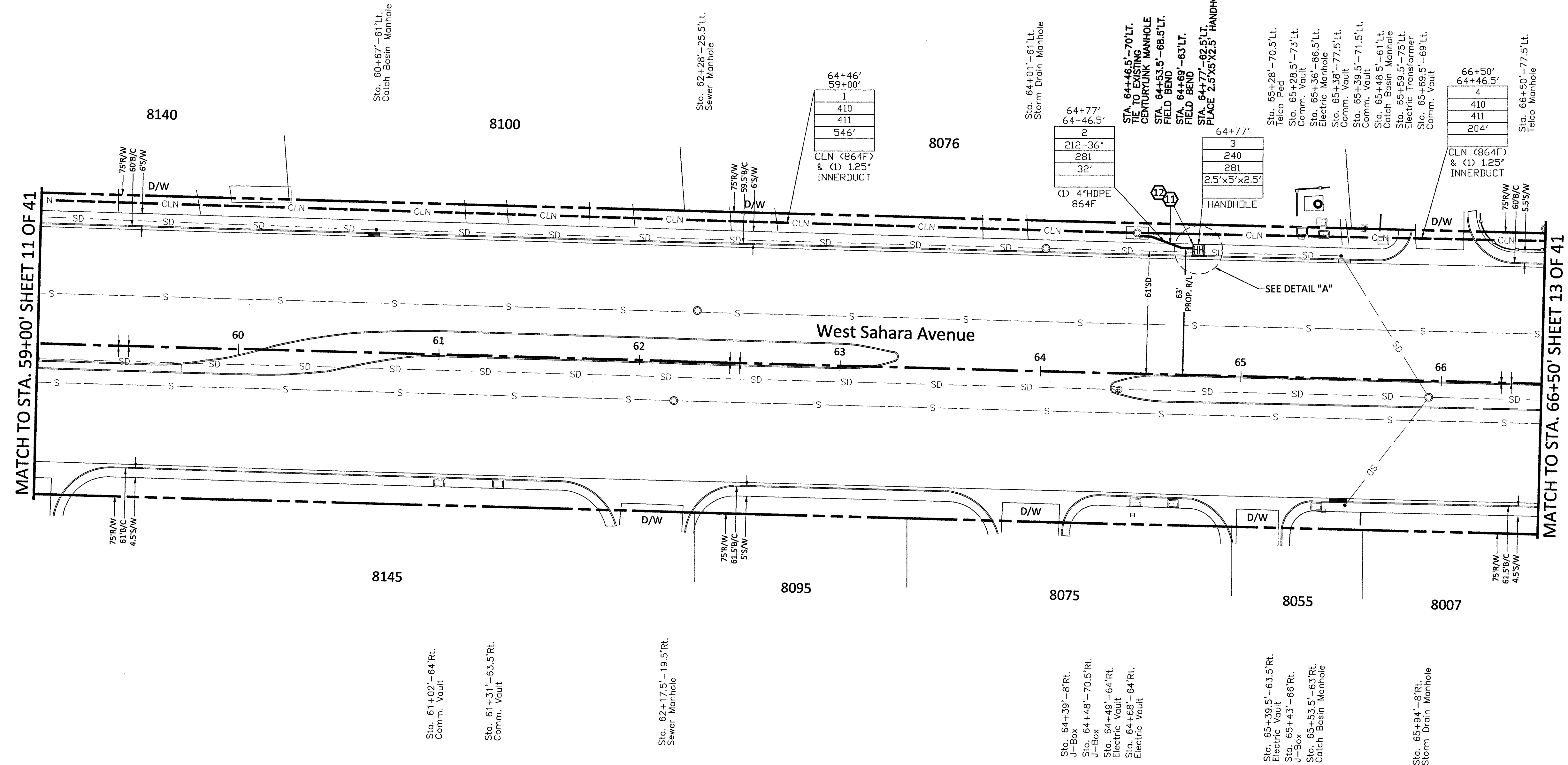
MP TO MP

SHEET 12 OF 41

FILE: BACK HAUL

LSV SAHARA RAINBOW &

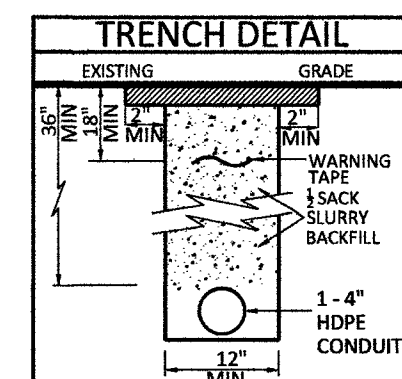
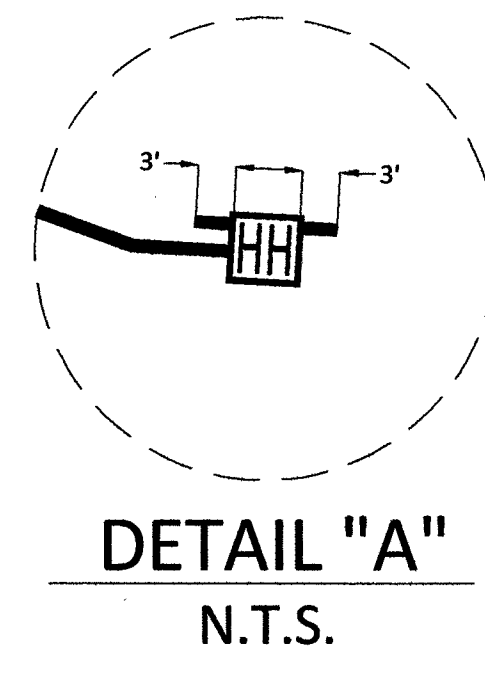
FILE: BACK HAUL



| 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.       |

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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

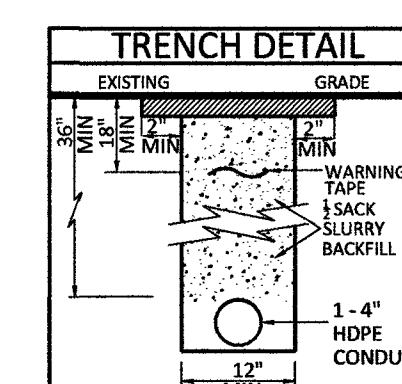




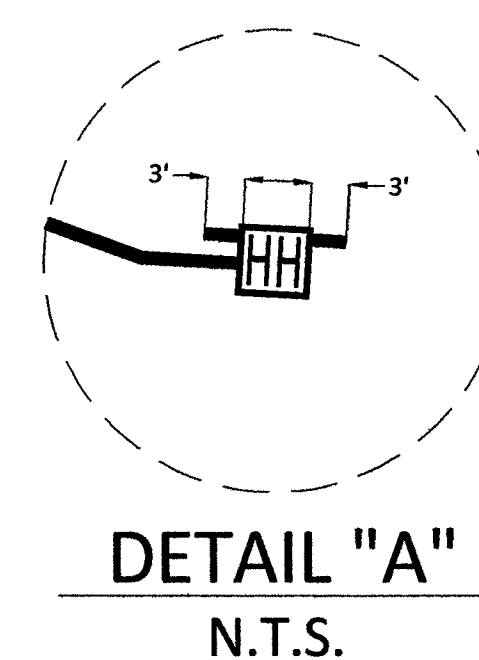
|                               |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 6'   |
| 4" HDPE CONDUIT:              | 30'  |
| 2' x 3' x 2' HANDHOLE(S):     | -    |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1    |
| 4' x 5' x 4' HANDHOLE(S):     | -    |
| MANHOLE(S):                   | -    |
| AERIAL:                       | -    |
| VZW CONDUIT:                  | -    |
| 3RD PARTY CONDUIT:            | 801' |
| TRENCH:                       | 30'  |
| TOTAL NEW UG FOOTAGE:         | 30'  |
| TOTAL FOOTAGE:                | 831' |

| DATE | INITIAL |
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IT FILE: LSV SAHARA RAINBOW &  
BACK HAUL



210 PLACE CONDUIT  
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)  
240 PLACE MANHOLE  
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: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

2" 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: 650'

TRENCH: -

TOTAL NEW UG FOOTAGE: -

TOTAL FOOTAGE: 650'

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

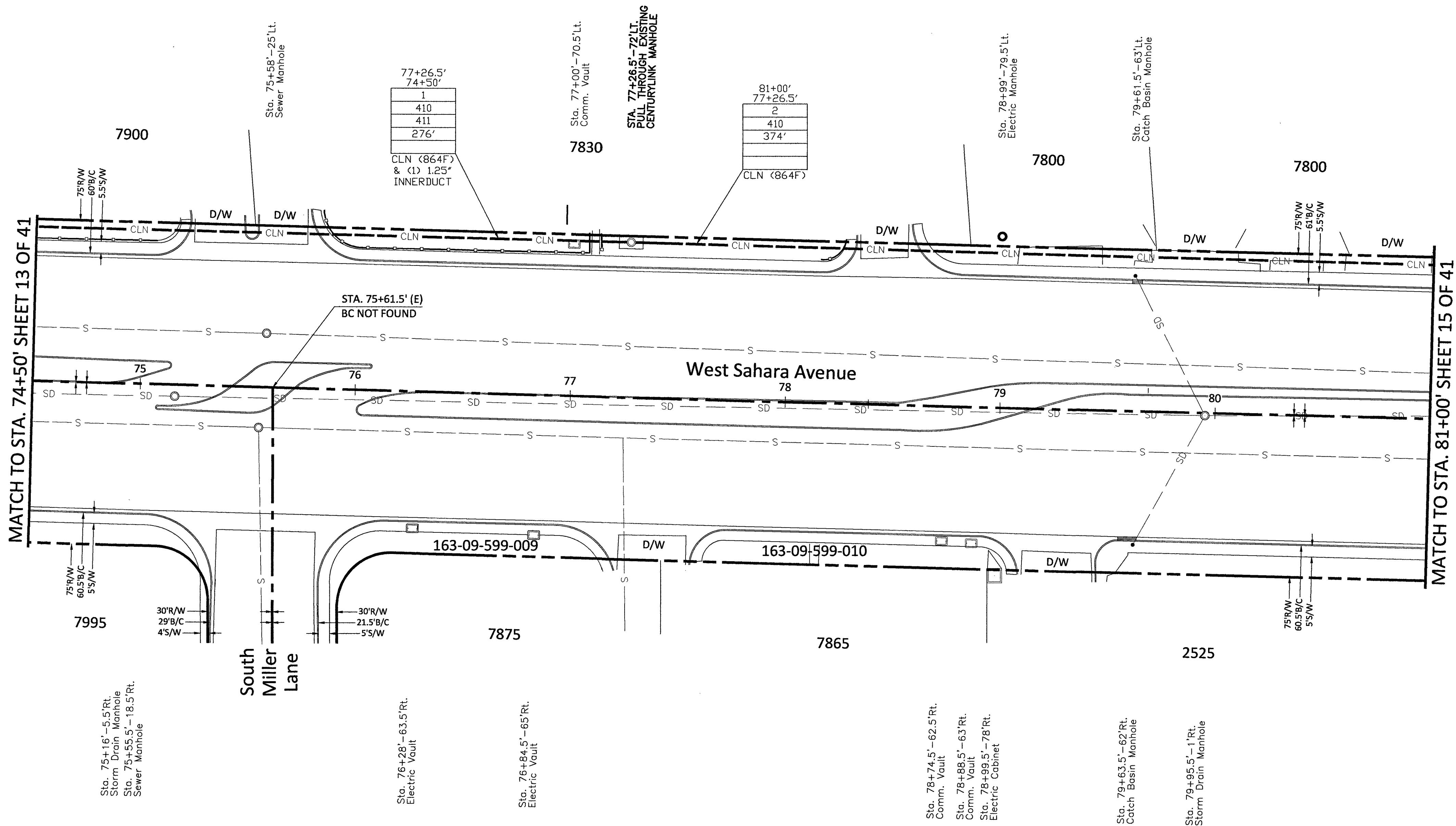
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 14 OF 41

FILE: BACK HAUL



### 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.            |

### NOTE TO CONTRACTOR:

CONTRACTOR TO POTHOLE AND LOCATE ALL  
UTILITIES PRIOR TO STARTING CONSTRUCTION.

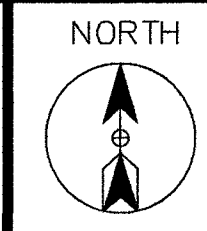
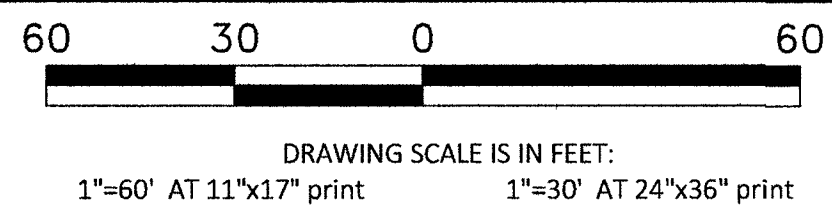
CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED

CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

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



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

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

PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911058, 911059, 911060, 911061, 911062, 911063, 911064, 911065, 911066, 911067, 911068, 911069, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

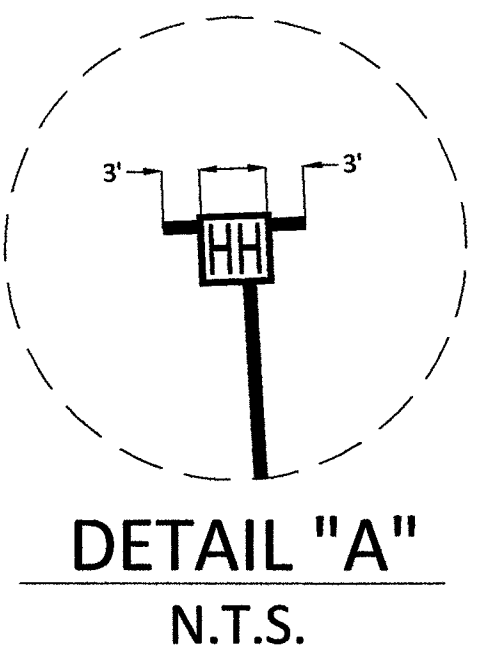
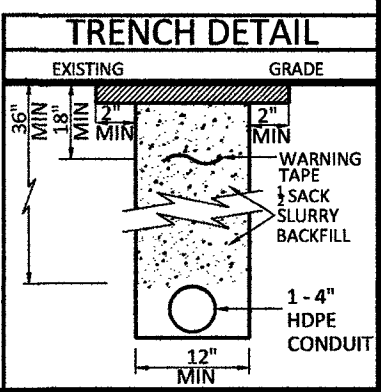
| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 4" HDPE CONDUIT:              | 20'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| HANDHOLE(S):                  | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 943'     |
| TRENCH:                       | 20'      |
| TOTAL NEW UG FOOTAGE:         | 20'      |
| TOTAL FOOTAGE:                | 963'     |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

|                  |         |
|------------------|---------|
| DATE: 9/21/2018  |         |
| DRAWN BY: JJAMES |         |
| REVISIONS        |         |
| DATE             | INITIAL |
|                  |         |
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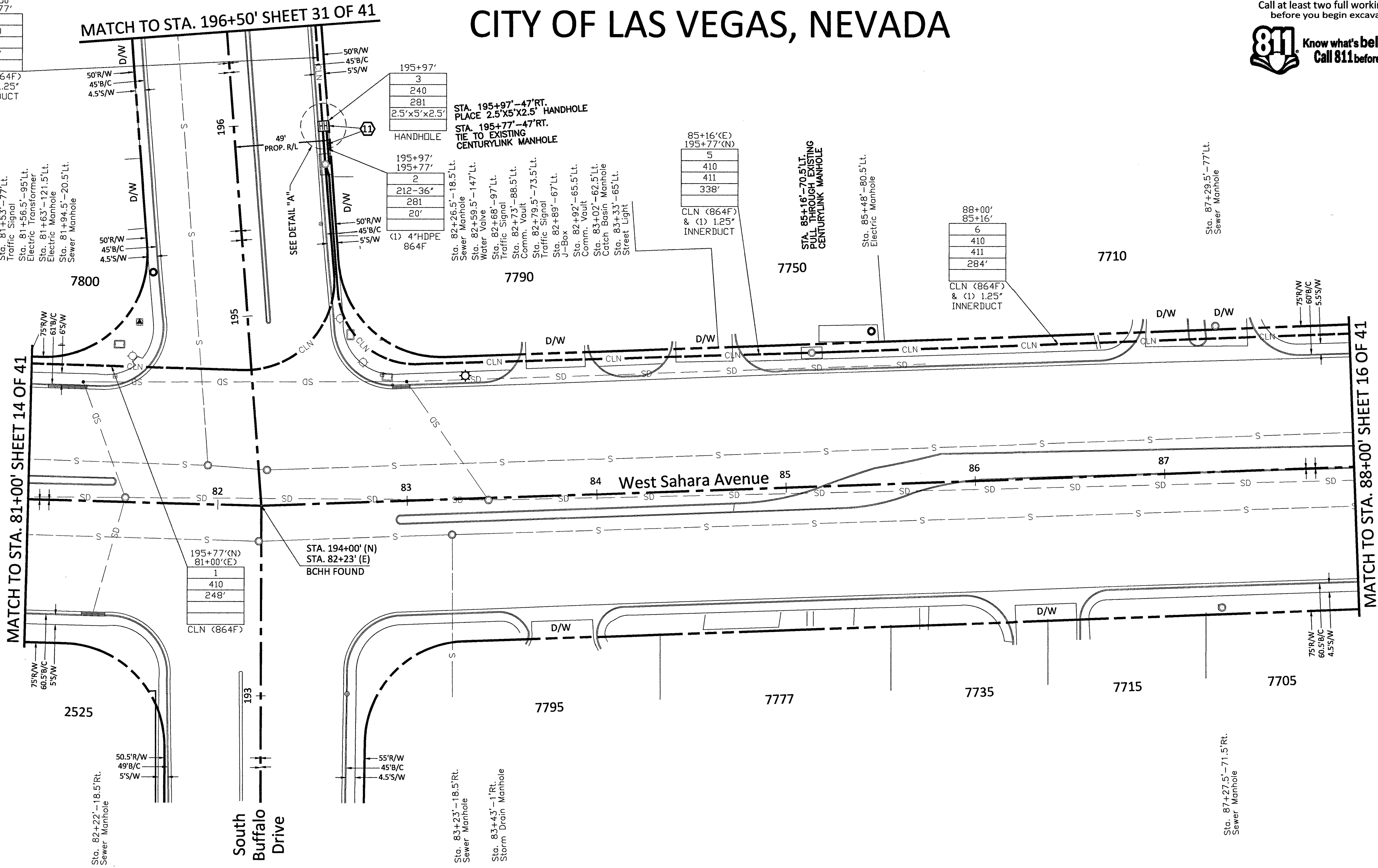
| SCALE       |                                |
|-------------|--------------------------------|
| HORIZONTAL: | 1"=30'                         |
| VERTICAL:   | NA                             |
| MP          | TO MP                          |
| SHEET 15    | OF 41                          |
| FILE:       | LSV SAHARA RAINBOW & BACK HAUL |



|         |
|---------|
| 196+50' |
| 195+77' |
| 4       |
| 410     |
| 411     |
| 73'     |

CLN (864F)  
& (1) 1.25" INNERDUCT

Sta. 81+27.5'-62.5'Lt.  
Catch Basin Manhole  
Sta. 81+44'-66'Lt.  
J-Box  
Sta. 81+46'-83'Lt.  
Electric Vault  
Sta. 81+51'-22.5'Lt.  
Manhole  
Sta. 81+53'-77'Lt.  
Traffic Signal  
Sta. 81+56.5'-95'Lt.  
Electric Transformer  
Sta. 81+63'-121.5'Lt.  
Electric Manhole  
Sta. 81+94.5'-20.5'Lt.  
Sewer Manhole



| 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.       |

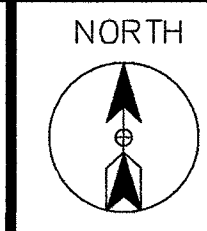
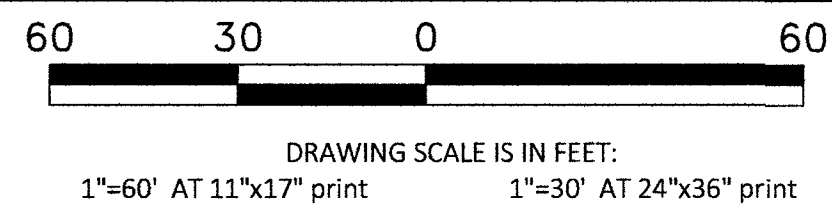
NOTE TO CONTRACTOR:  
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CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED

CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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



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



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

PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114  
CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

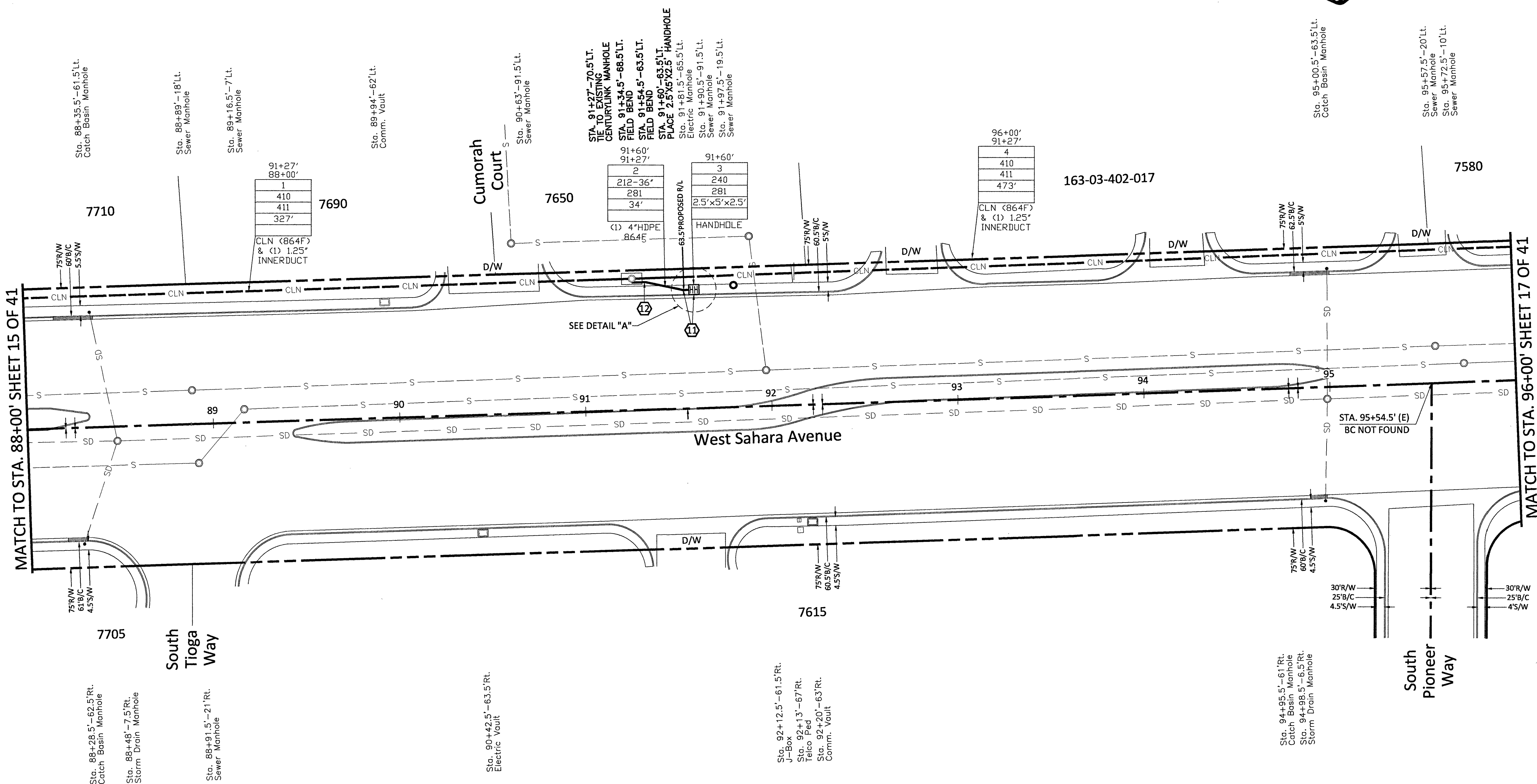
| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 6'       |
| 4" HDPE CONDUIT:              | 34'      |
| 2' x 3' x 2' HANDHOLE(S):     | -        |
| 2.5' x 5' x 2.5' HANDHOLE(S): | 1        |
| 4' x 5' x 4' HANDHOLE(S):     | -        |
| MANHOLE(S):                   | -        |
| AERIAL:                       | -        |
| VZW CONDUIT:                  | -        |
| 3RD PARTY CONDUIT:            | 800'     |
| TRENCH:                       | 34'      |
| TOTAL NEW UG FOOTAGE:         | 34'      |
| TOTAL FOOTAGE:                | 834'     |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

|                  |         |
|------------------|---------|
| DATE: 9/21/2018  |         |
| DRAWN BY: JJAMES |         |
| REVISIONS        |         |
| DATE             | INITIAL |
|                  |         |
|                  |         |
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY  
CONTRACT, THESE DRAWINGS AND SPECIFICATIONS  
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COMMUNICATIONS SERVICES, INC. BOTH BEING  
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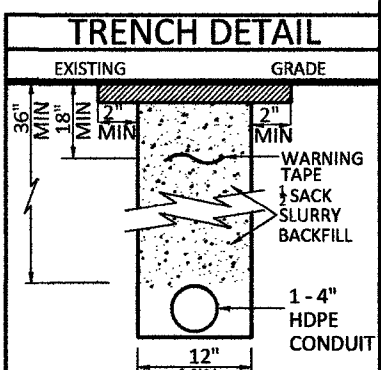
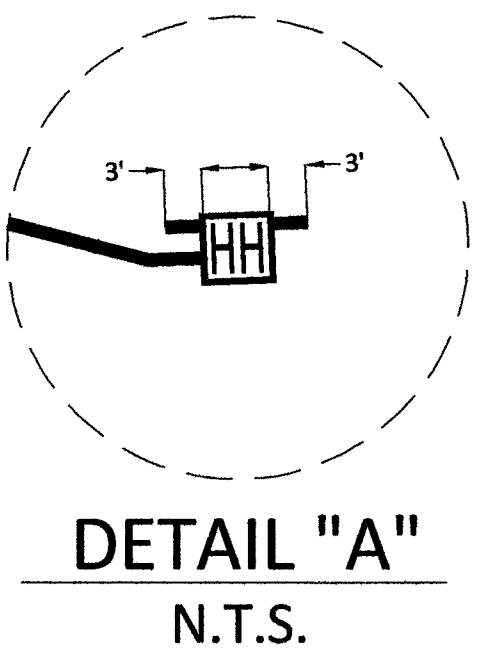
| SCALE                                   |        |
|-----------------------------------------|--------|
| HORIZONTAL:                             | 1"=30' |
| VERTICAL:                               | NA     |
| MP                                      | TO MP  |
| SHEET 16                                | OF 41  |
| FILE: LSV SAHARA RAINBOW &<br>BACK HAUL |        |



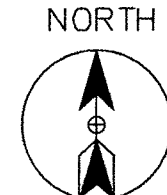
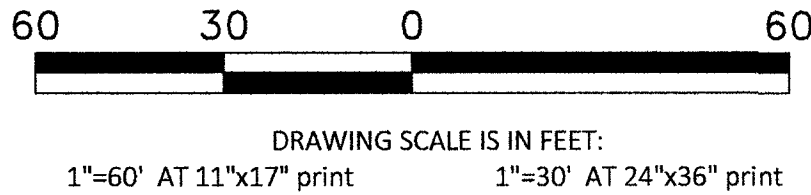
| RTC NOTES:                                                                                       |                                                                                    |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY<br>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.       |

NOTE TO CONTRACTOR:  
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UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 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



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



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

PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911059, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 6'   |
| 4" HDPE CONDUIT:              | 29'  |
| 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:                       | 29'  |
| TOTAL NEW UG FOOTAGE:         | 29'  |
| TOTAL FOOTAGE:                | 829' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

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

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SCALE

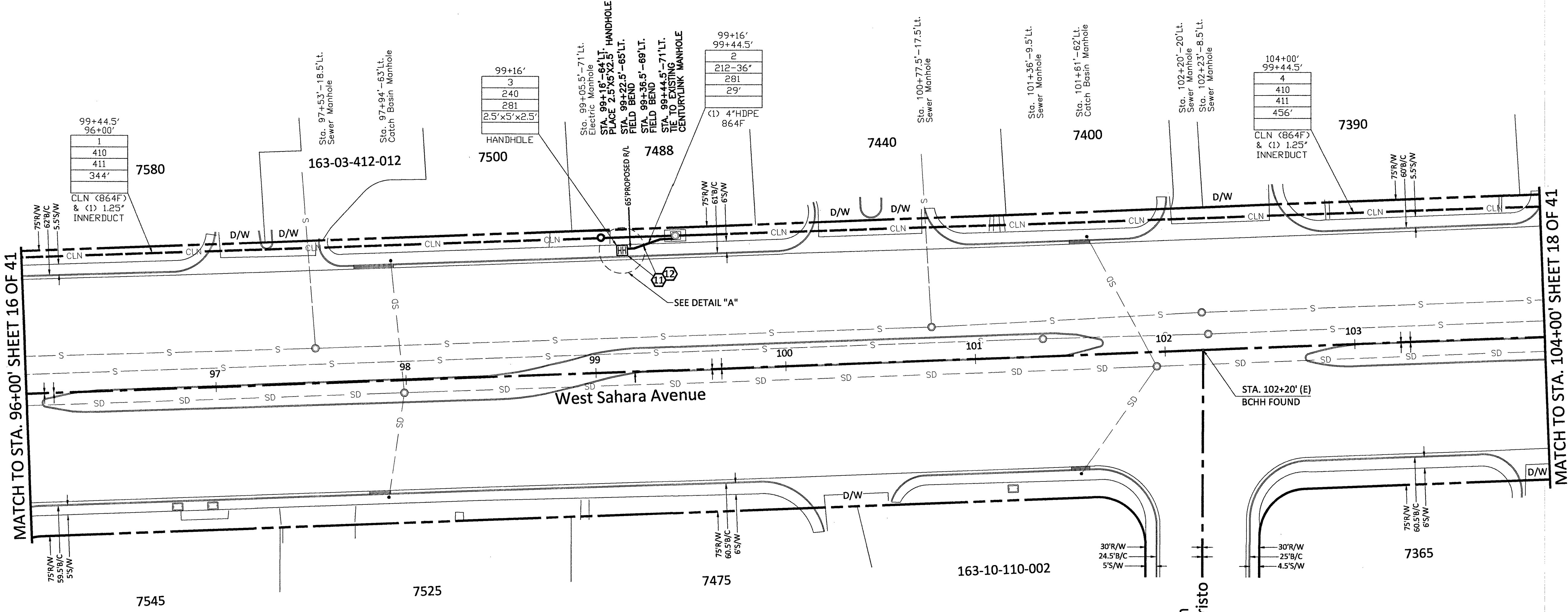
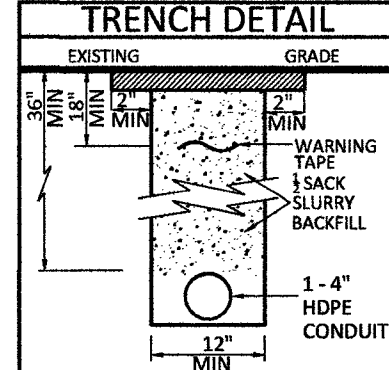
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 17 OF 41

FILE: BACK HAUL



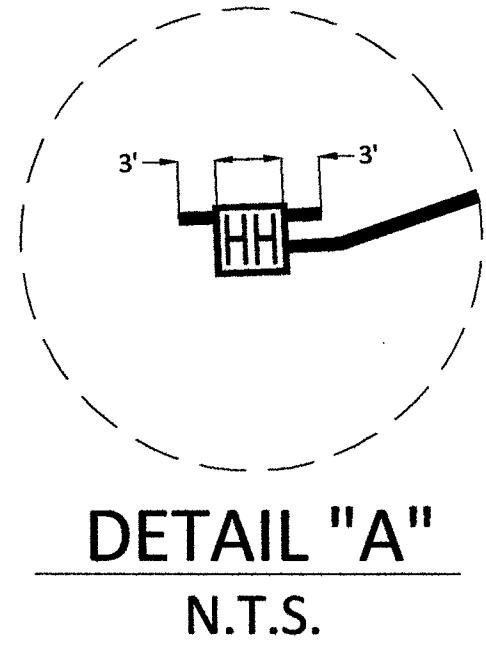
RTC NOTES:

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 OR LESS |
| (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.       |

NOTE TO CONTRACTOR:  
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CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

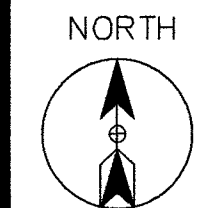
- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE HANDHOLE
- 250 PLACE MANHOLE
- 270 REMOVE AND RESTORE ASPHALT
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- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 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.

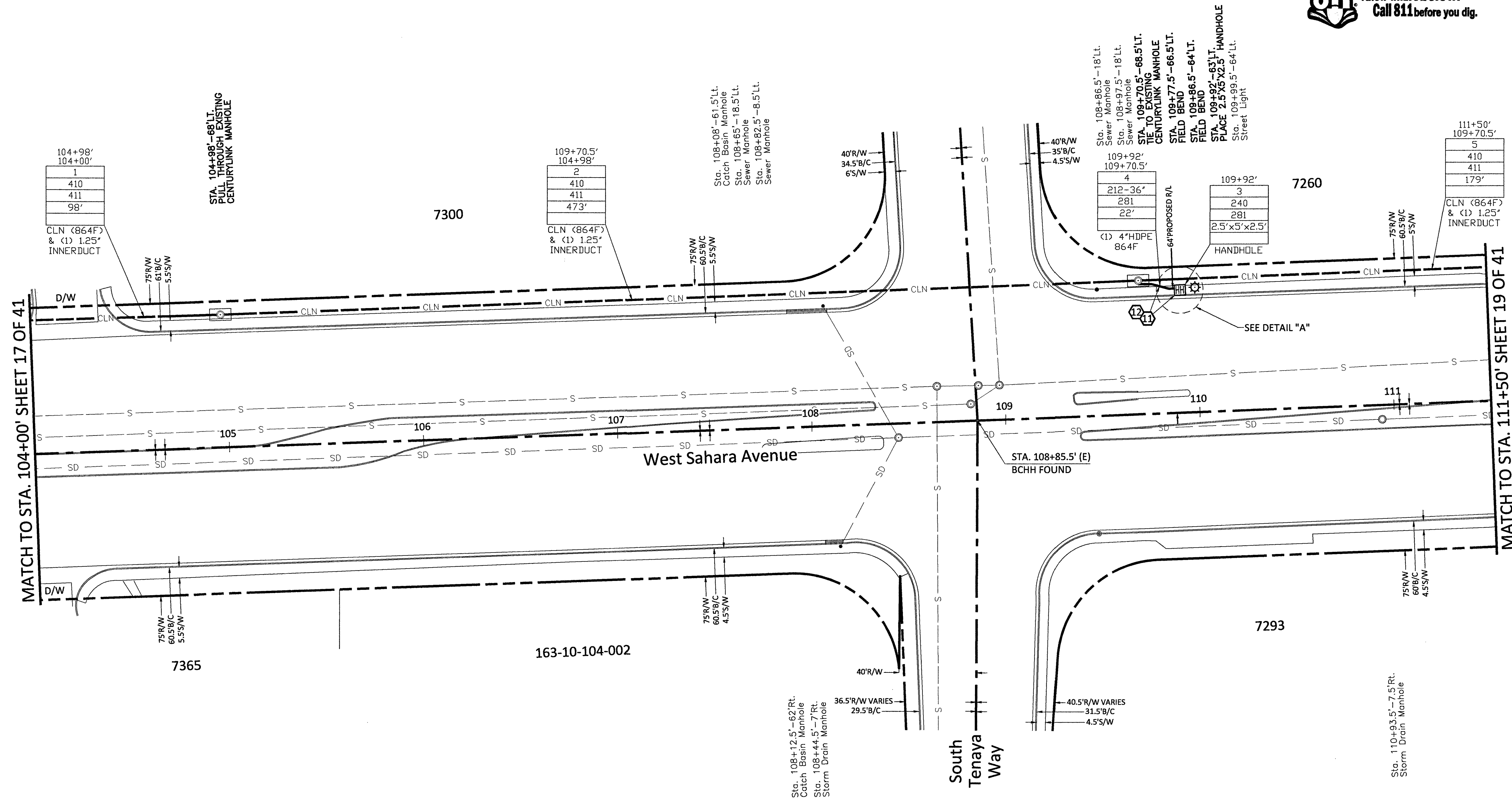


PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

| SHEET TOTAL                   |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 6'   |
| 4" HDPE CONDUIT:              | 22'  |
| 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:            | 750' |
| TRENCH:                       | 22'  |
| TOTAL NEW UG FOOTAGE:         | 22'  |
| TOTAL FOOTAGE:                | 772' |



### RTC NOTES:

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

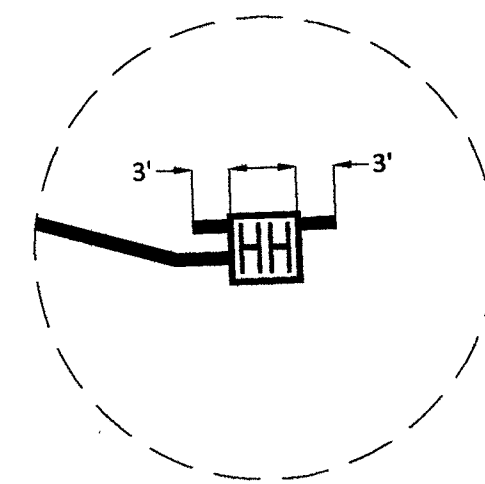
- 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
- 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
- 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS
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- 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.

NOTE TO CONTRACTOR:  
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UTILITIES PRIOR TO STARTING CONSTRUCTION.

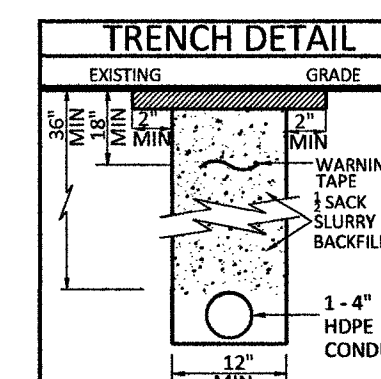
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MULE TAPE IN ALL CONDUIT PLACED

CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE MANHOLE
- 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



DETAIL "A"  
N.T.S.



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WITHOUT SPECIFIC WRITTEN PERMISSION.

| SCALE           |        |
|-----------------|--------|
| HORIZONTAL:     | 1"=30' |
| VERTICAL:       | NA     |
| MP              | TO MP  |
| SHEET 18        | OF 41  |
| FILE: BACK HAUL |        |



CITY OF LAS VEGAS, NEVADA

|                       |             |
|-----------------------|-------------|
| <b>TOTAL FOOTAGE:</b> | <b>801'</b> |
|-----------------------|-------------|

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

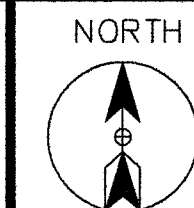
LSV SAHARA RAINBOW &amp;

210 PLACE CONDUIT  
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)  
240 PLACE HANDHOLE  
250 PLACE MANHOLE  
270 REMOVE AND RESTORE ASPHALT  
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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.



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911050, 911051, 911052, 911053, 911054, 911055,  
911056, 911057, 911058, 911059, 911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911070, 911071, 911072, 911073, 911074, 911075, 911076, 911077, 911078, 911079, 911080, 911081, 911082, 911083, 911084, 911085, 911086, 911087, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911104, 911105, 911106, 911107, 911108, 911109, 911110, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

| SHEET TOTAL                   |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 94'  |
| 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'  |
| BORE:                         | 88'  |
| TOTAL NEW UG FOOTAGE:         | 108' |
| TOTAL FOOTAGE:                | 908' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
|------|---------|
|      |         |
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SCALE

HORIZONTAL: 1"=30'

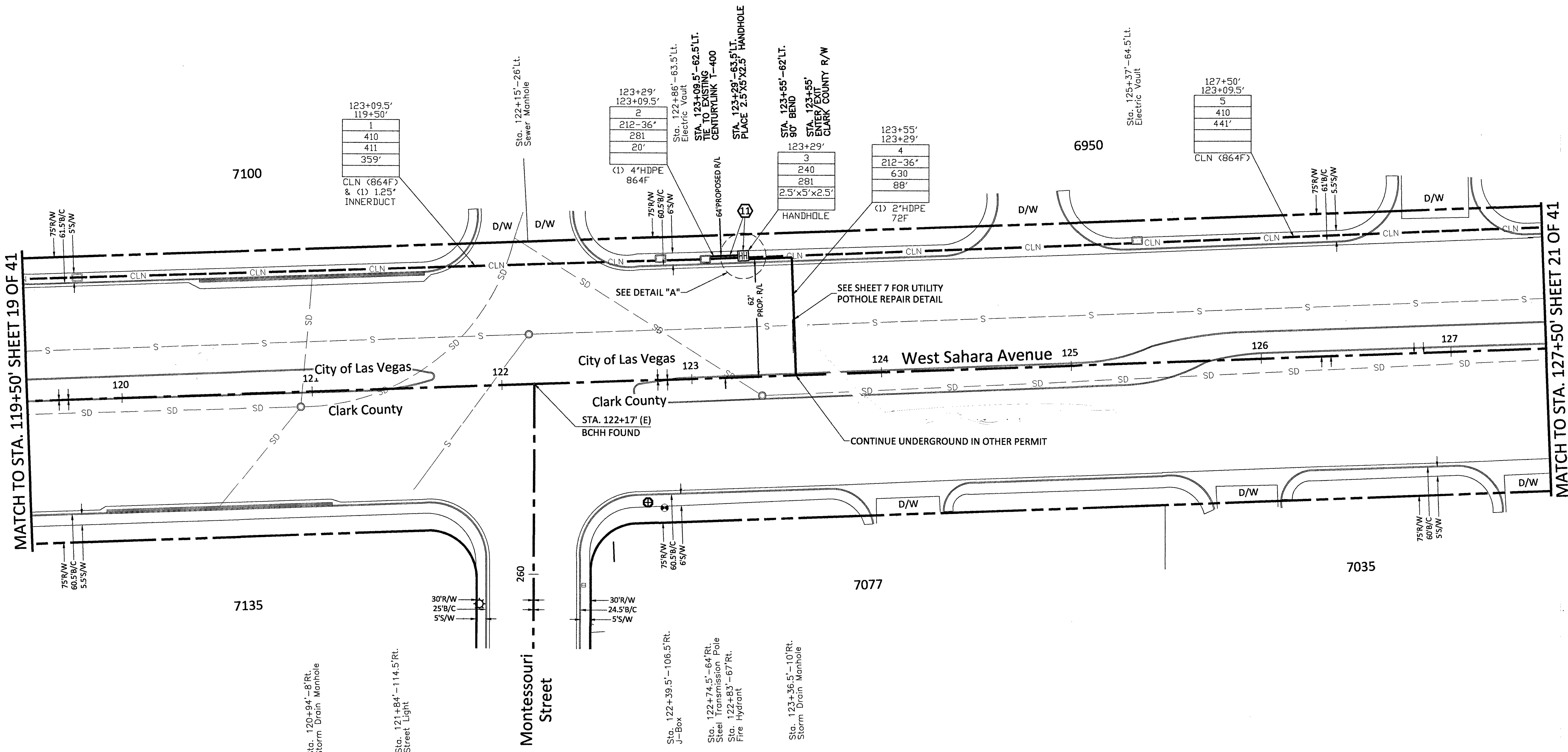
VERTICAL: NA

MP TO MP

SHEET 20 OF 41

LSV SAHARA RAINBOW &

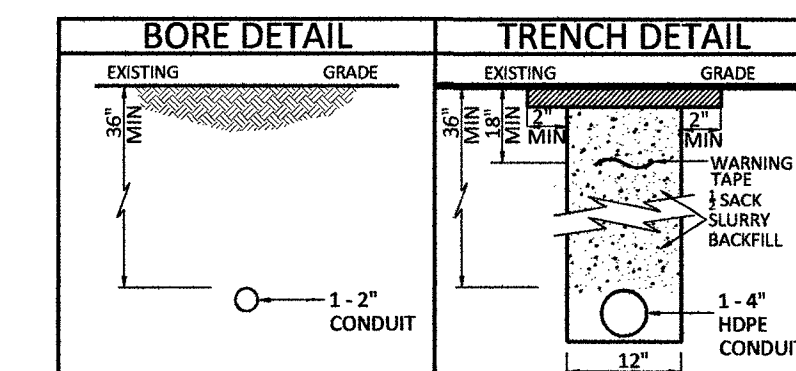
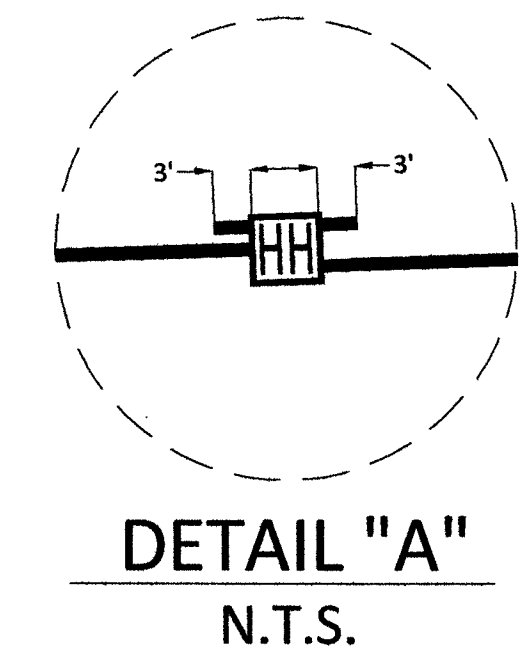
FILE: BACK HAUL



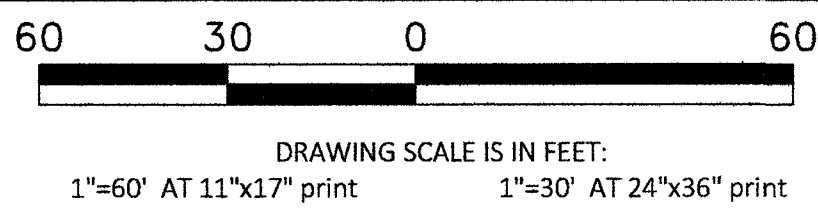
| RTC NOTES:                                                                                    |                                                                                |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 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) 234                                                                                      | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.   |

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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



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

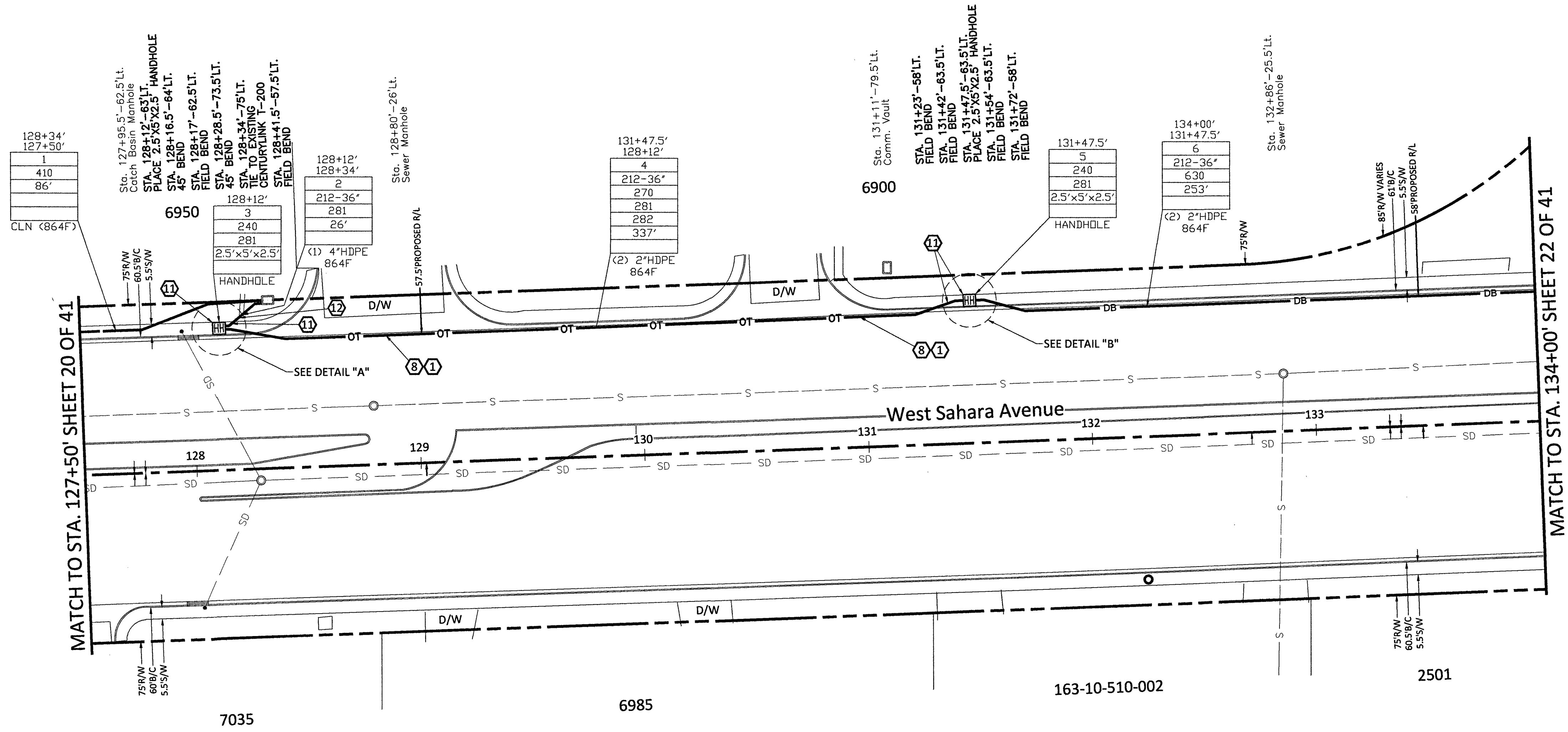


Know what's below.  
Call 811 before you dig.

PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911050, 911051, 911052, 911053, 911054, 911055,  
911056, 911057, 911058, 911059, 911060, 911061, 911062,  
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911112, 911113, 911114, 911115, 911116, 911117, 911118, 911119, 911120,  
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911181, 911182, 911183, 911184, 911185, 911186, 911187, 911188, 911189, 911190,  
911191, 911192, 911193, 911194, 911195, 911196, 911197, 911198, 911199, 911200

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO.             | QUANTITY |
|-------------------------------|----------|
| SHEET TOTAL                   |          |
| 2" HDPE CONDUIT:              | 1,192'   |
| 4" HDPE CONDUIT:              | 26'      |
| 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:            | 86'      |
| TRENCH:                       | 363'     |
| BORE:                         | 253'     |
| TOTAL NEW UG FOOTAGE:         | 616'     |
| TOTAL FOOTAGE:                | 702'     |

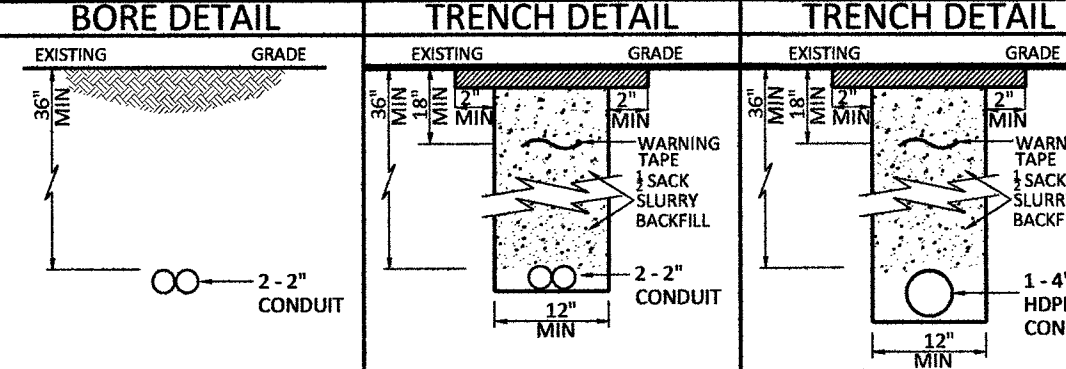
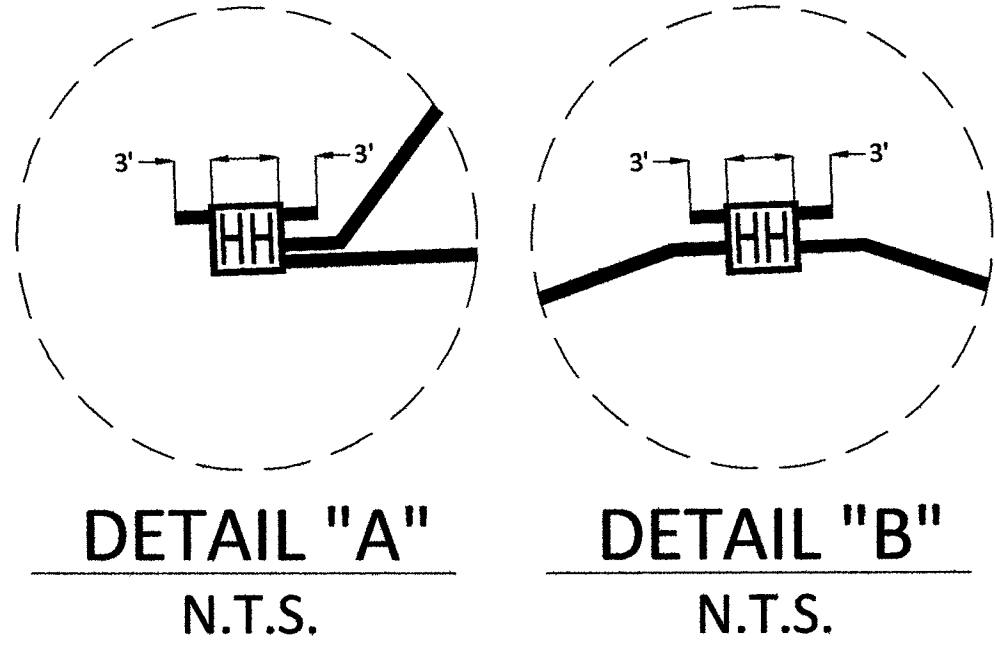


RTC NOTES:

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY<br>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.                 |

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CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
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- 250 PLACE MANHOLE
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- 410 PULL CABLE
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- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE



|                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXCEPT AS MAY BE OTHERWISE PROVIDED BY<br>CONTRACT, THESE DRAWINGS AND SPECIFICATIONS<br>SHALL REMAIN THE PROPERTY OF MCI<br>COMMUNICATIONS SERVICES, INC. BOTH BEING<br>ISSUED IN STRICT CONFIDENCE AND SHALL NOT<br>BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE<br>WITHOUT SPECIFIC WRITTEN PERMISSION. |
| SCALE                                                                                                                                                                                                                                                                                                        |
| HORIZONTAL: 1"=30'                                                                                                                                                                                                                                                                                           |
| VERTICAL: NA                                                                                                                                                                                                                                                                                                 |
| MP TO MP                                                                                                                                                                                                                                                                                                     |
| SHEET 21 OF 41                                                                                                                                                                                                                                                                                               |
| FILE: BACK HAUL                                                                                                                                                                                                                                                                                              |

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. |                                                                                |

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: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911088, 911089,  
911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

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

|                               |      |
|-------------------------------|------|
| <b>SHEET TOTAL</b>            |      |
| 2" HDPE CONDUIT:              | 884' |
| 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:            | 84'  |
| TRENCH:                       | 20'  |
| BORE:                         | 439' |
| TOTAL NEW UG FOOTAGE:         | 459' |
| TOTAL FOOTAGE:                | 543' |

MCI  
COMMUNICATIONS SERVICES, INC.

## OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

## 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 22 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL

**NOTE TO CONTRACTOR:**  
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CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

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

Sta. 134+34'-5.5'Rt.  
Storm Drain Manhole

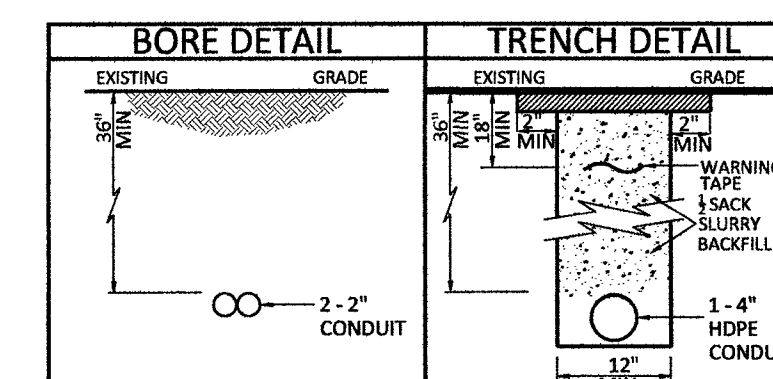
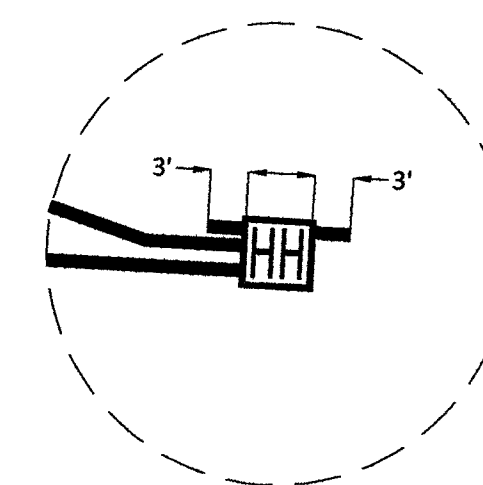
Sta. 134+85.5'-117'Rt.  
Sewer Manhole

South  
Rainbow  
Boulevard  
(SR 595)

DETAIL "A"

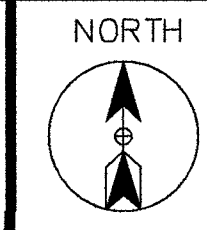
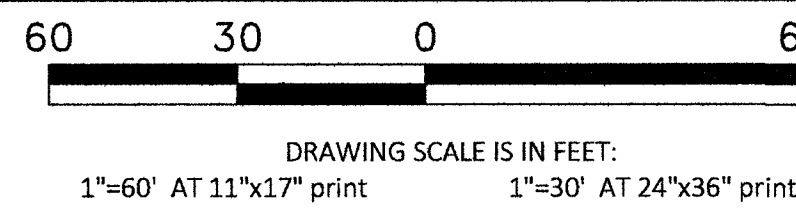
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N.T.S.



# CONSTRUCTION DRAWING

## CITY OF LAS VEGAS, NEVADA



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



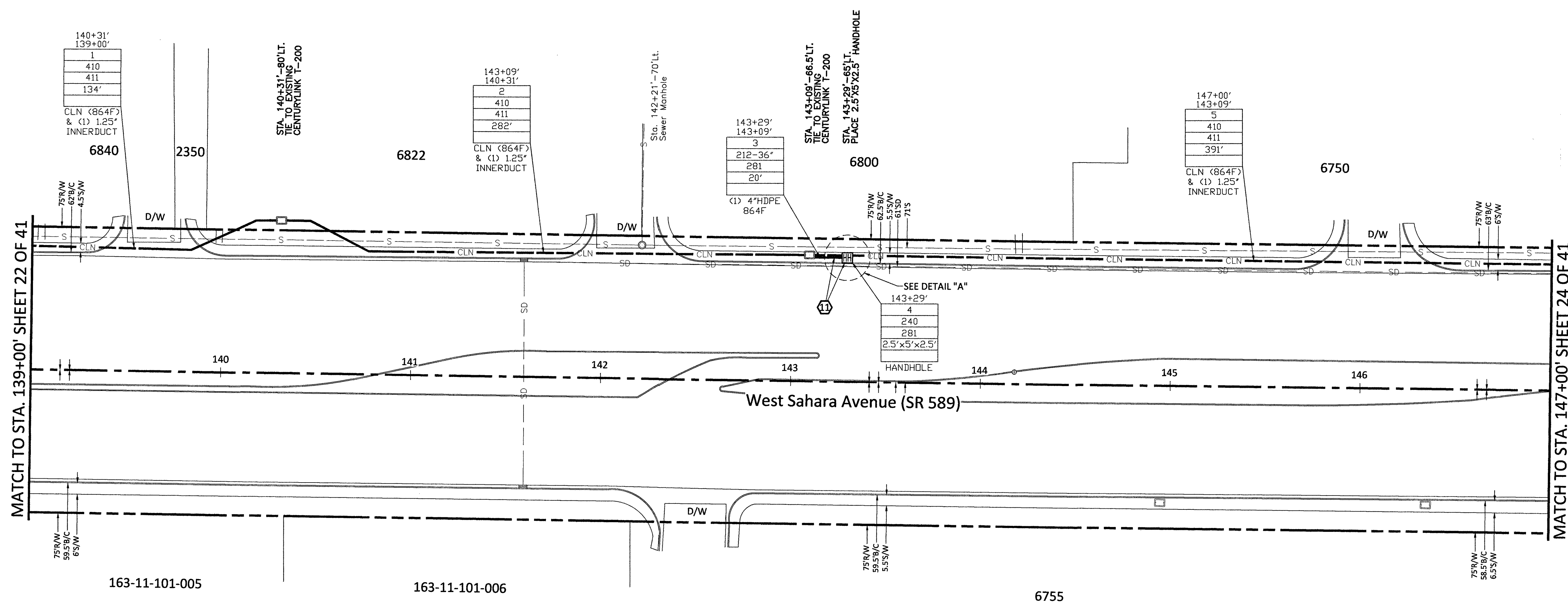
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CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

| SHEET TOTAL                   |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 6'   |
| 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:            | 807' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 827' |



**RTC NOTES:**

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

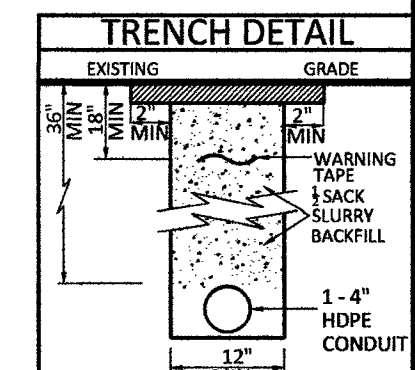
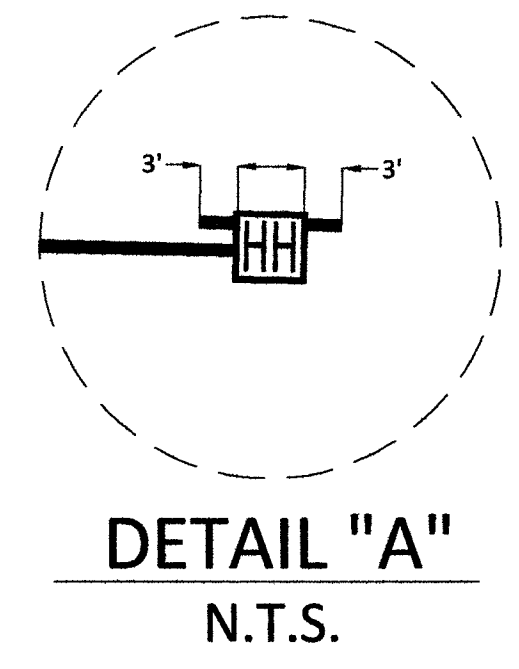
|    |                                                                                    |
|----|------------------------------------------------------------------------------------|
| 1  | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                                 |
| 2  | 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT                                     |
| 3  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W         |
| 4  | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS              |
| 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.       |

**NOTE TO CONTRACTOR:**  
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CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED

CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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



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| SCALE       |                                |
|-------------|--------------------------------|
| HORIZONTAL: | 1"=30'                         |
| VERTICAL:   | NA                             |
| MP          | TO MP                          |
| SHEET 23    | OF 41                          |
| FILE:       | LSV SAHARA RAINBOW & BACK HAUL |

MAVERICK ONE/FIBER/LAS VEGAS/LSV WASHINGTON DECATUR/LSV SAHARA RAINBOW & BACK HAUL/CONSTRUCTION DRAWINGS

# 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  
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PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911110, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

|                               |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 6'   |
| 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:            | 853' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 873' |

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

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

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 24 OF 41

FILE: BACK HAUL

### 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
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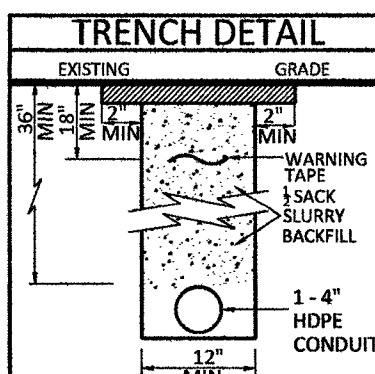
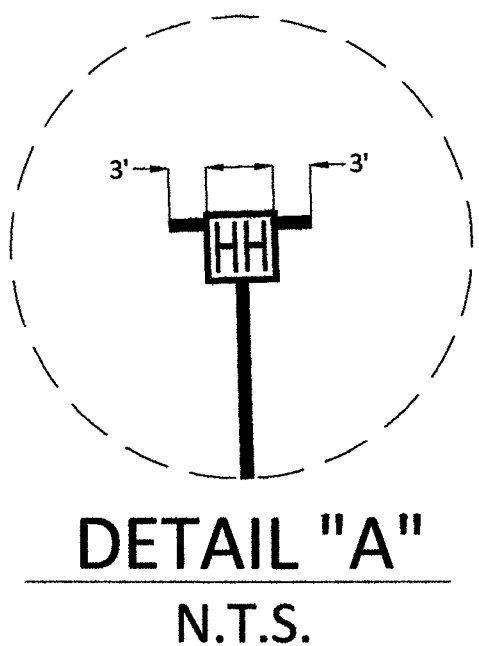
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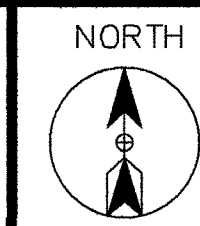
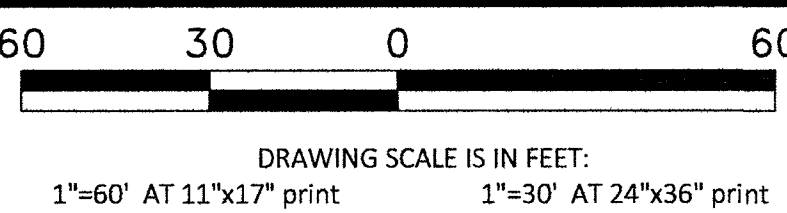
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CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



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911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" 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:            | 650' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 650' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | 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

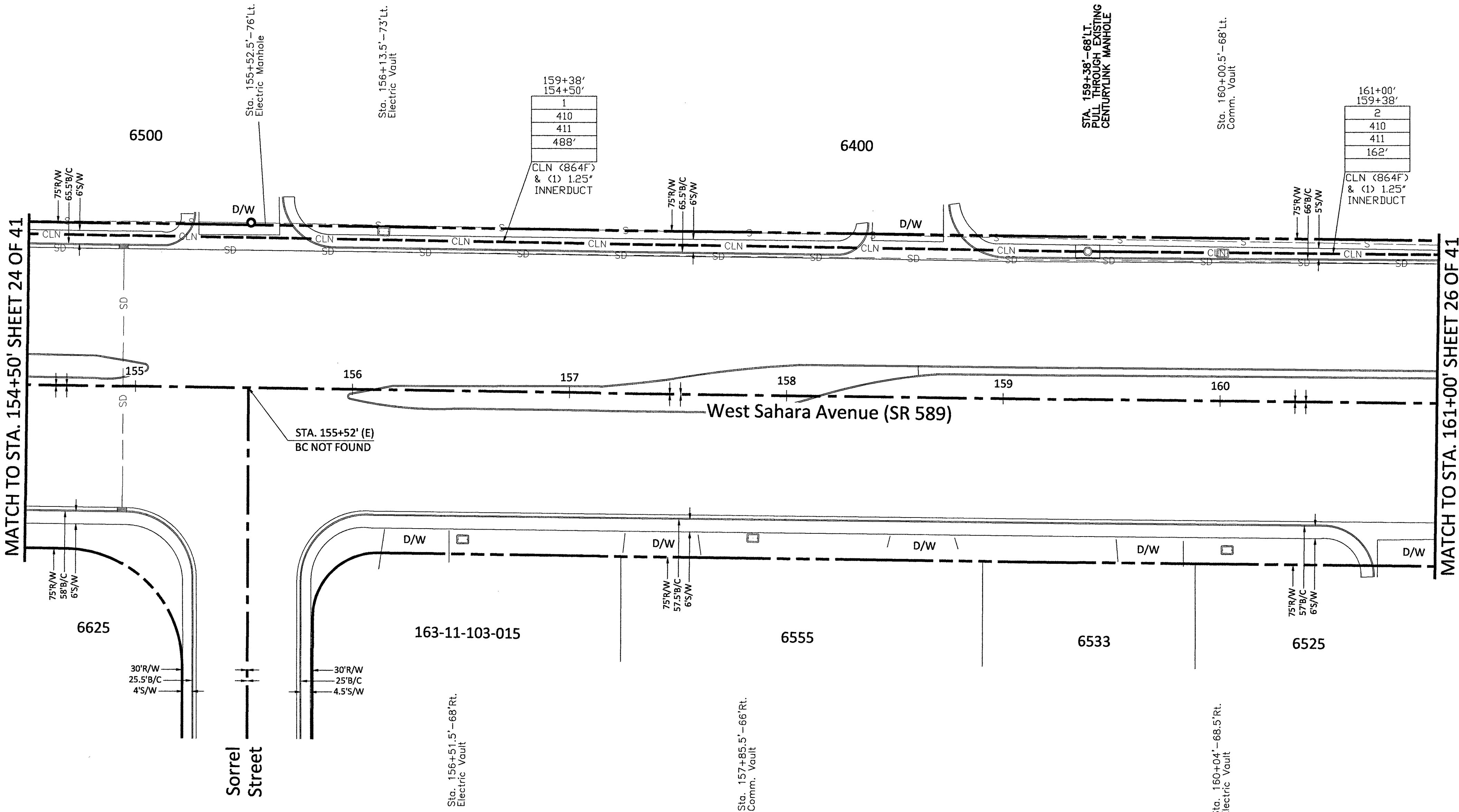
SHEET 25 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL

| RTC NOTES:                                                                                       |                                                                                    |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY<br>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.       |

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL  
UTILITIES PRIOR TO STARTING CONSTRUCTION.  
CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED  
CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 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: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

2" HDPE CONDUIT: 6'

4" HDPE CONDUIT: 46'

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: 762'

TRENCH: 46'

TOTAL NEW UG FOOTAGE: 46'

TOTAL FOOTAGE: 808'

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

DATE INITIAL

EXCEPT AS MAY BE OTHERWISE PROVIDED BY  
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SCALE

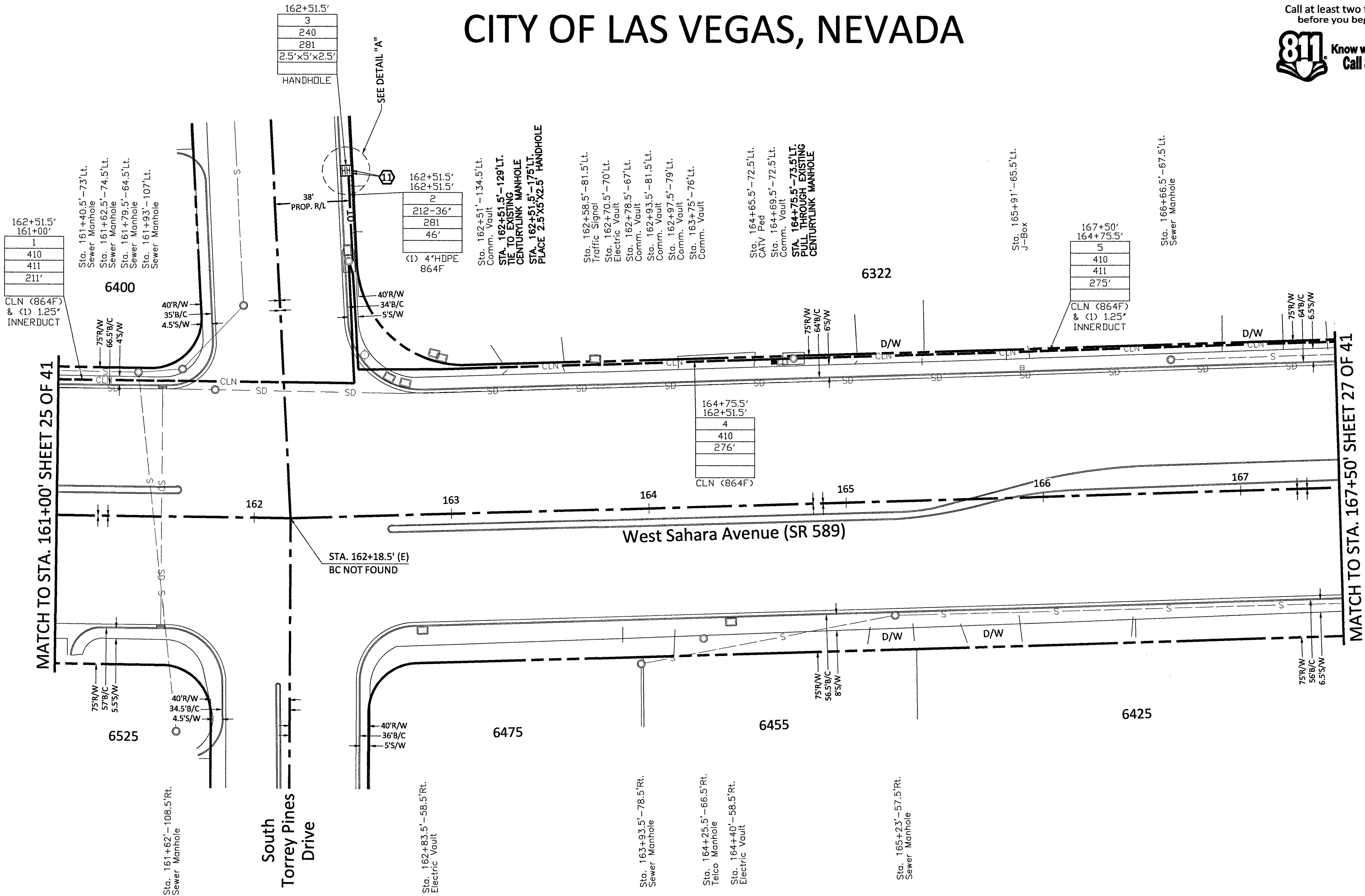
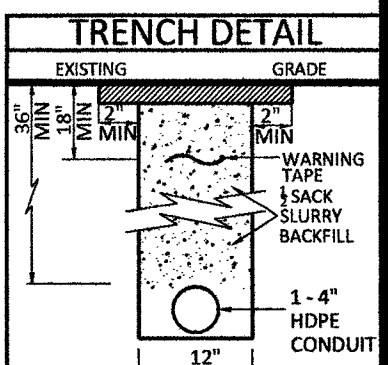
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 26 OF 41

FILE: BACK HAUL



### 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 TRANSVERSE 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 TRANSVERSE ALL R.O.W WIDTHS
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- 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W
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- 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.

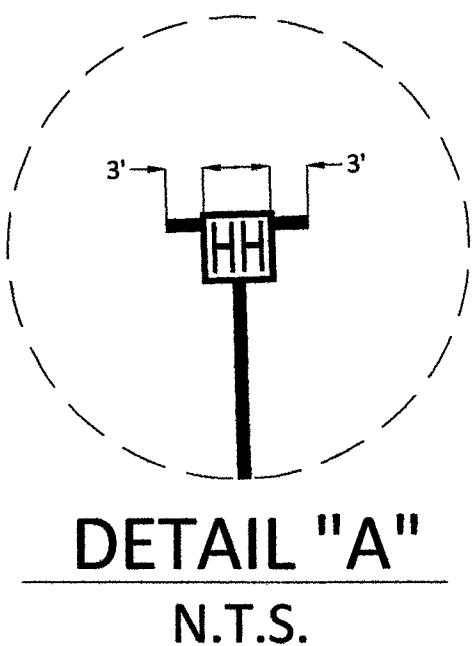
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UTILITIES PRIOR TO STARTING CONSTRUCTION.

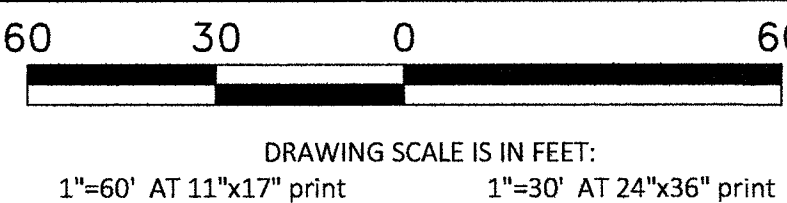
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- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



Call at least two full working days  
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Know what's below.  
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911048, 911049, 911050, 911051, 911052, 911053, 911054, 911055,  
911056, 911057, 911058, 911059, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114  
CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" 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:            | 650' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 650' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

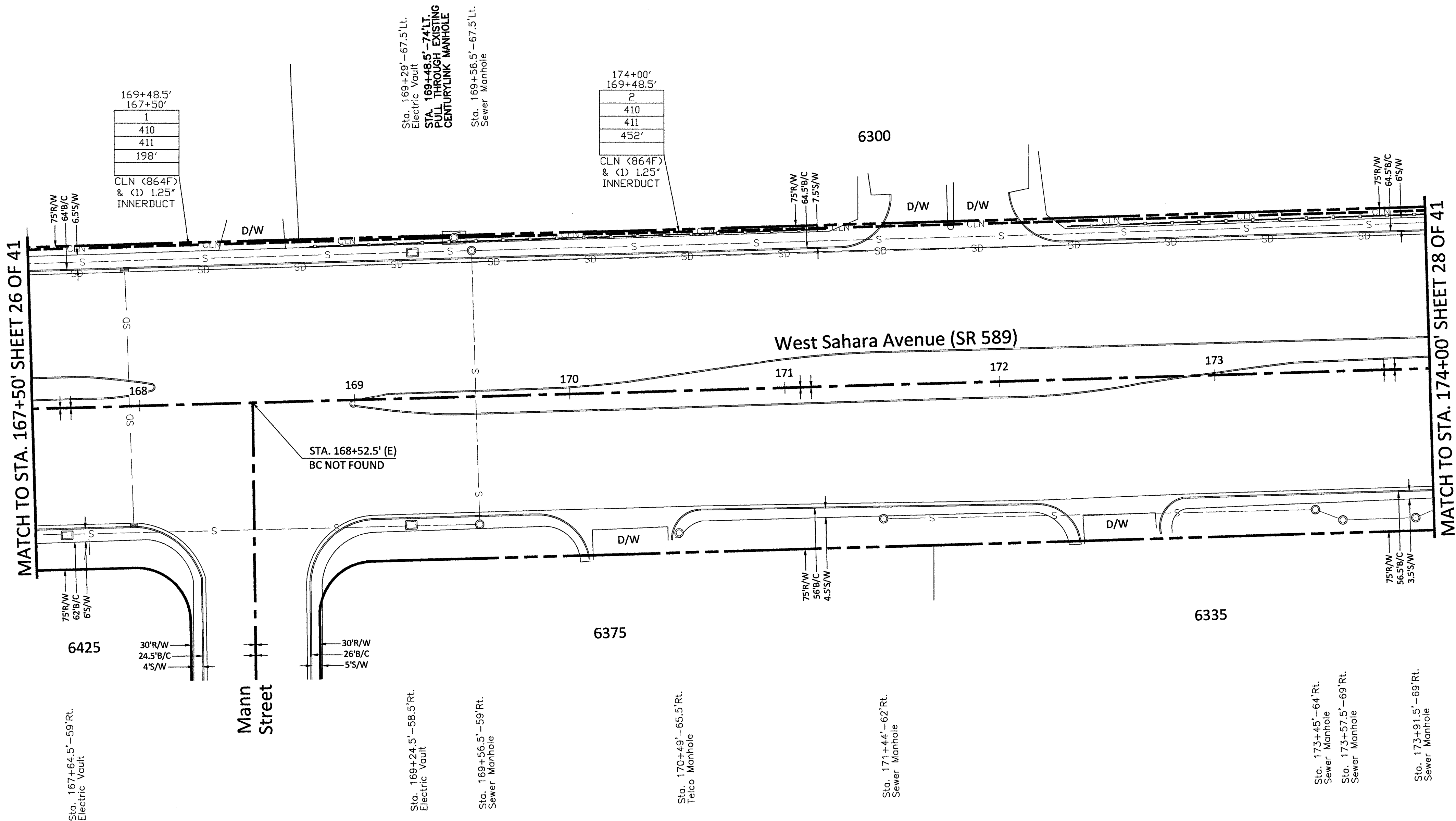
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 27 OF 41

LSV SAHARA RAINBOW &  
FILE: BACK HAUL



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
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- BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

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- 270 REMOVE AND RESTORE ASPHALT
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- 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



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911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 6'   |
| 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:            | 732' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 752' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

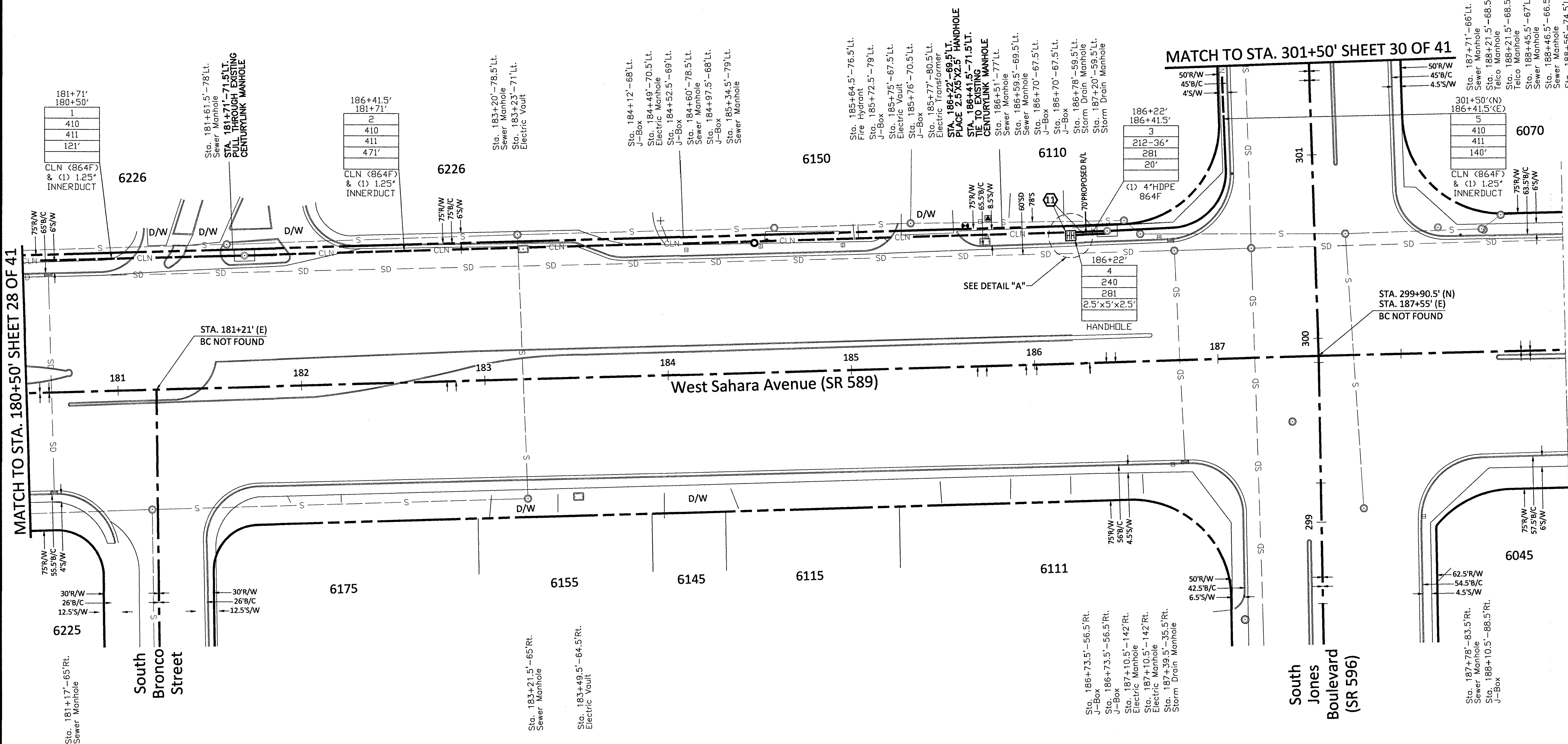
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 29 OF 41

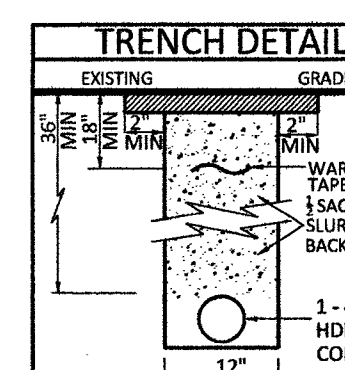
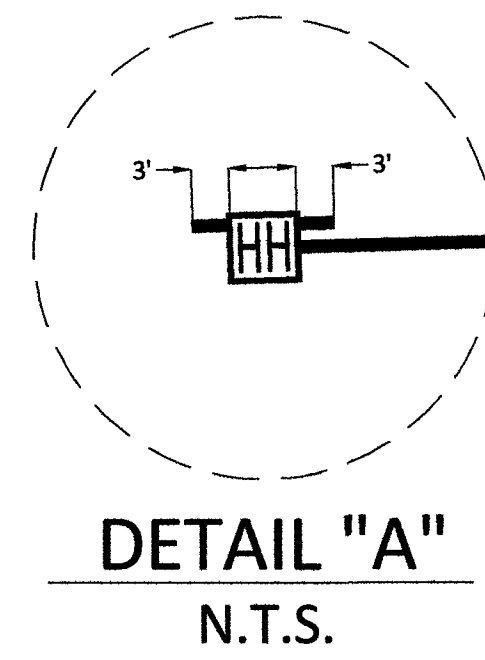
FILE: BACK HAUL



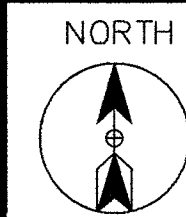
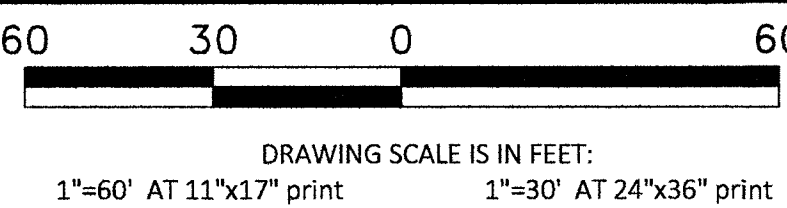
| RTC NOTES:                                                                                    |                                                                                    |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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.       |

NOTE TO CONTRACTOR:  
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- 210 PLACE CONDUIT
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- 630 DIRECTIONAL BORE



CONSTRUCTION DRAWING  
CITY OF LAS VEGAS, NEVADA



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CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
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| 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:            | 188' |
| TRENCH:                       | -    |
| TOTAL NEW UG FOOTAGE:         | -    |
| TOTAL FOOTAGE:                | 188' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

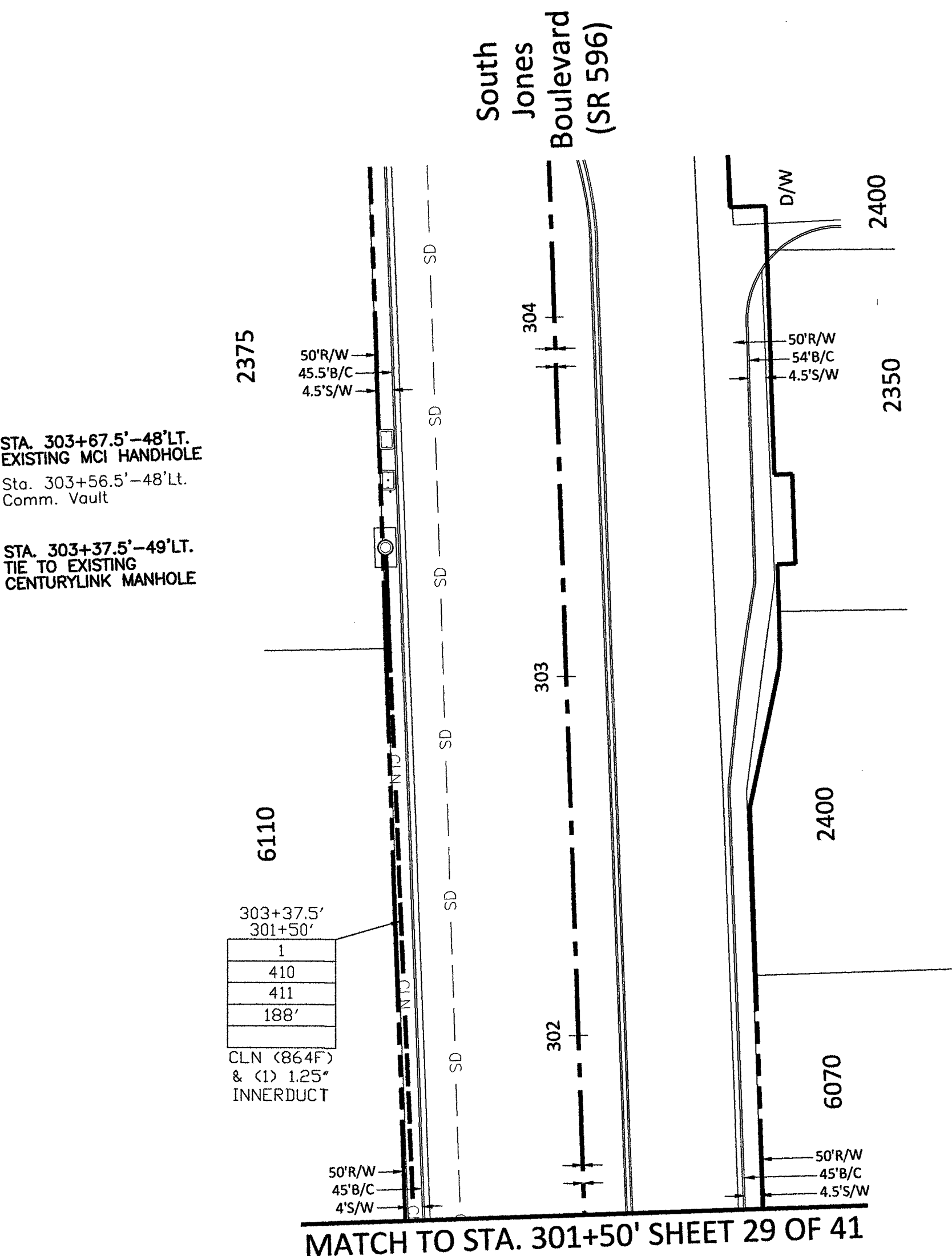
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 30 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL



STA. 303+67.5' - 48' LT.  
EXISTING MCI HANDHOLE  
Sta. 303+56.5' - 48' LT.  
Comm. Vault

STA. 303+37.5' - 49' LT.  
TIE TO EXISTING  
CENTURYLINK MANHOLE

|           |
|-----------|
| 303+37.5' |
| 301+50'   |
| 1         |
| 410       |
| 411       |
| 188'      |

CLN (864F)  
& (1) 1.25"  
INNERDUCT

MATCH TO STA. 301+50' SHEET 29 OF 41

RTC NOTES:

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

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CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
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# RTC NOTES:

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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.

# CONSTRUCTION DRAWINGCITY OF LAS VEGAS, NEVADA

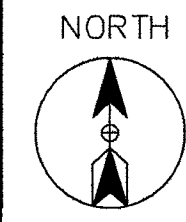
60 30 0 60

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: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 6'   |
| 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 SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
|------|---------|
|      |         |
|      |         |
|      |         |
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY  
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ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE  
REPRODUCED, COPIED, OR USED FOR ANY PURPOSE  
WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"=30'

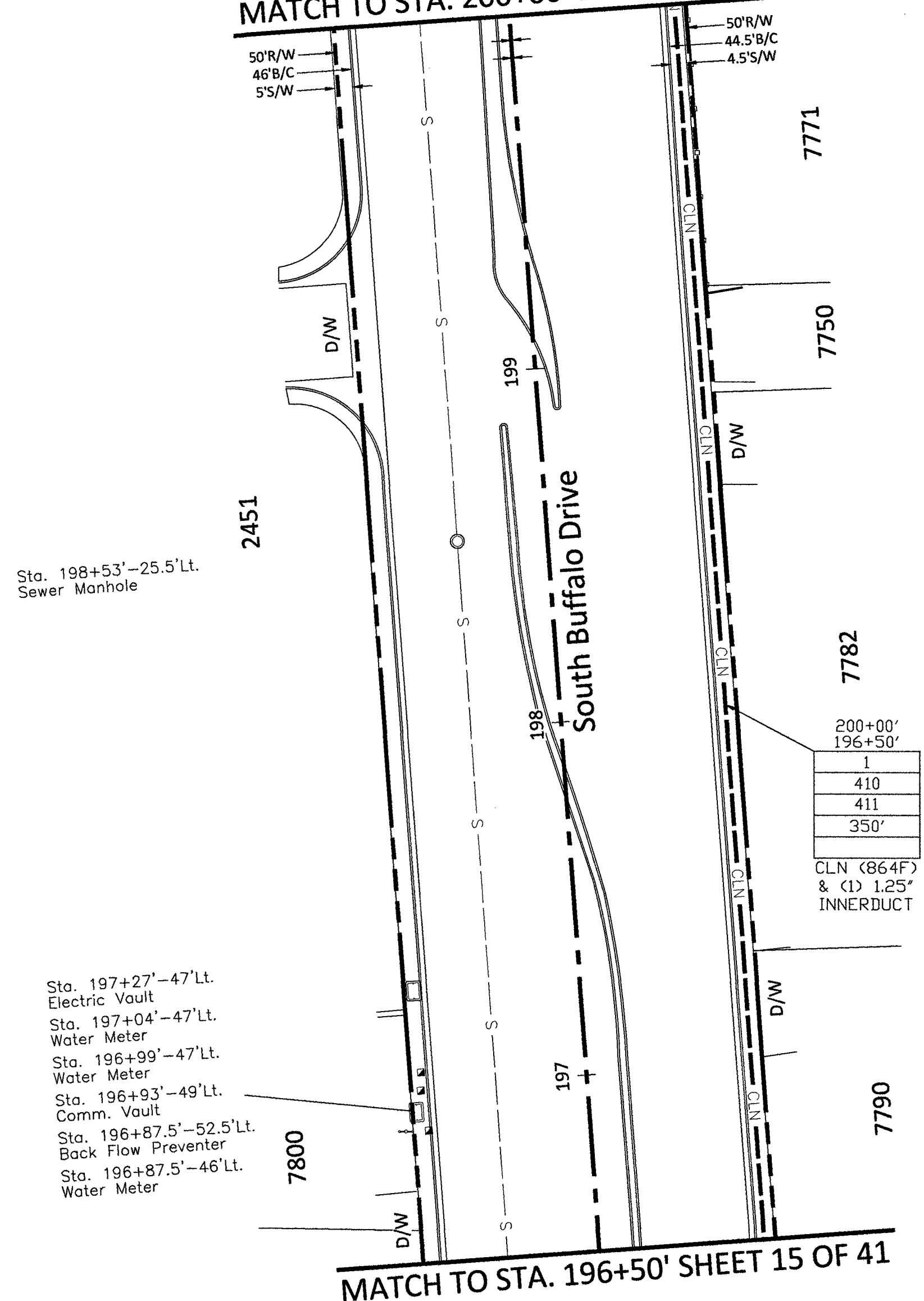
VERTICAL: NA

MP TO MP

SHEET 31 OF 41

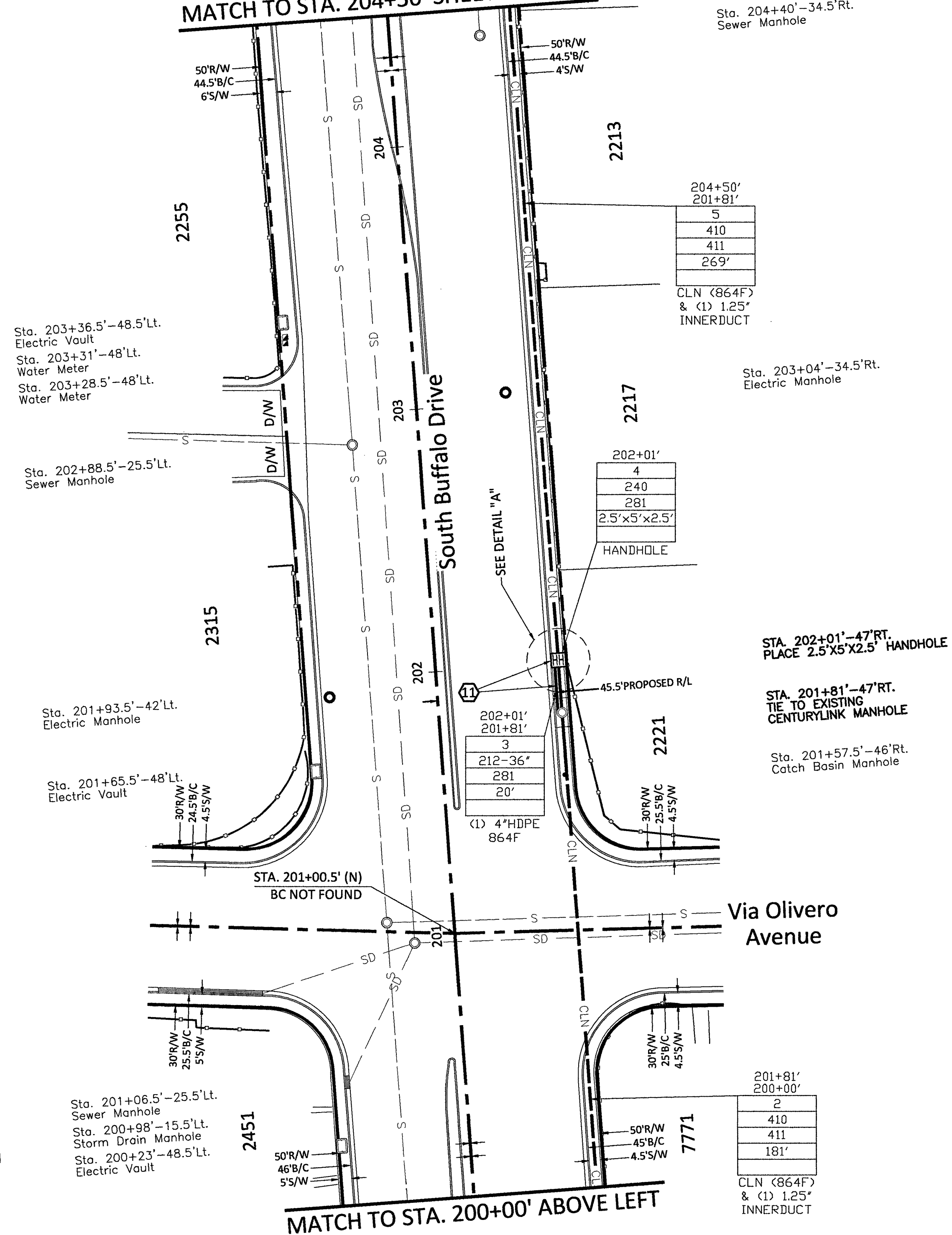
LSV SAHARA RAINBOW &  
FILE: BACK HAUL

MATCH TO STA. 200+00' BELOW RIGHT

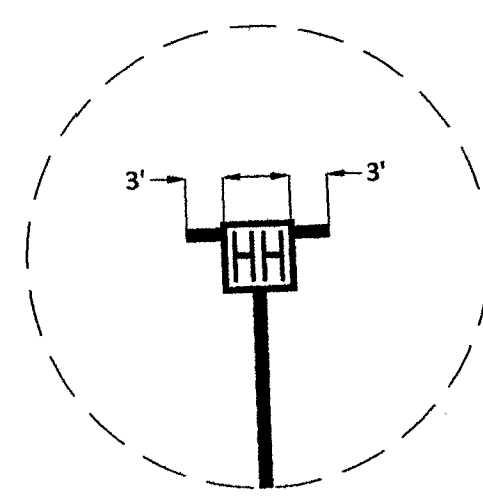


MATCH TO STA. 196+50' SHEET 15 OF 41

MATCH TO STA. 204+50' SHEET 32 OF 41



MATCH TO STA. 200+00' ABOVE LEFT



DETAIL "A"  
N.T.S.

NOTE TO CONTRACTOR:  
CONTRACTOR TO POTHOLE AND LOCATE ALL  
UTILITIES PRIOR TO STARTING CONSTRUCTION.

CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED

CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE MANHOLE
- 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

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.

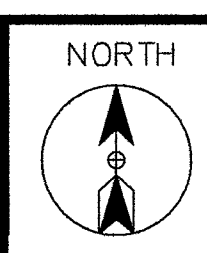
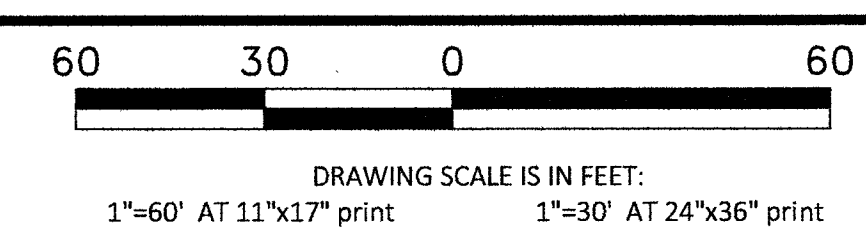
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- 210 PLACE CONDUIT
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- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE

CONSTRUCTION DRAWING CITY OF LAS VEGAS, NEVADA



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



PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911050, 911051, 911052, 911053, 911054, 911055, 911056, 911057, 911058, 911059, 911060, 911061, 911062, 911063, 911064, 911065, 911066, 911067, 911068, 911069, 911070, 911071, 911072, 911073, 911074, 911075, 911076, 911077, 911078, 911079, 911080, 911081, 911082, 911083, 911084, 911085, 911086, 911087, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911104, 911105, 911106, 911107, 911108, 911109, 911110, 911111, 911112, 911113, 911114

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 6'   |
| 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:            | 950' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 970' |

MCI COMMUNICATIONS SERVICES, INC. OUTSIDE PLANT CONSTRUCTION TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

DATE: 9/21/2018 DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
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SCALE

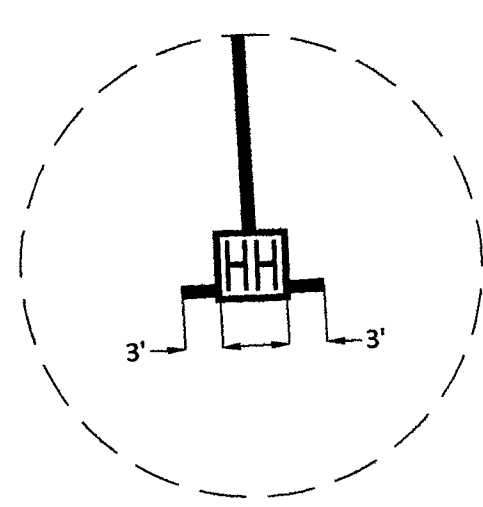
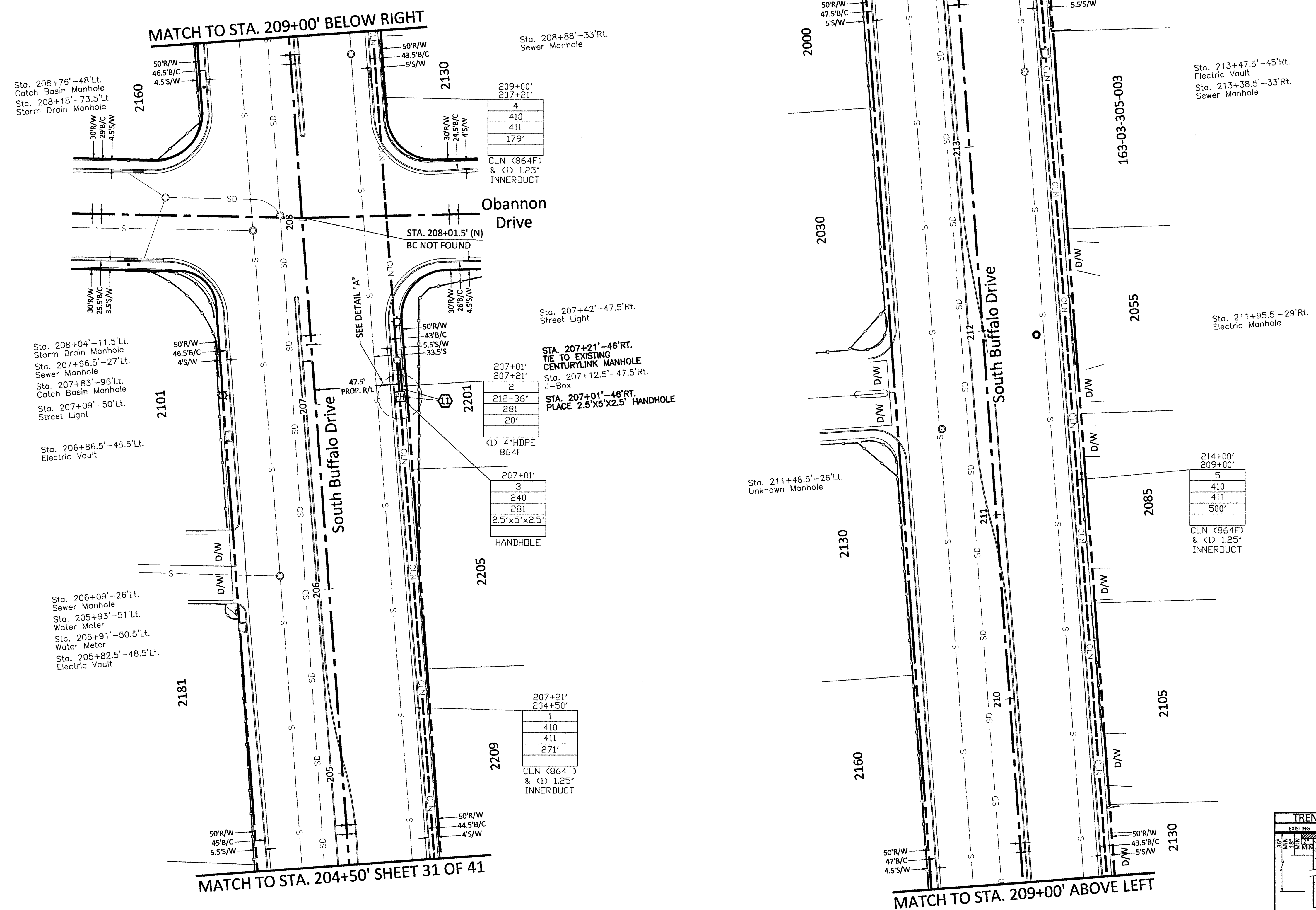
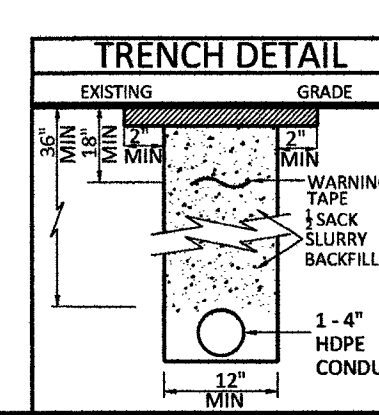
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 32 OF 41

FILE: BACK HAUL



DETAIL "A" N.T.S.

M:\VERIZON ONE FIBER\LAS VEGAS\LSV WASHINGTON DECATUR\LSV SAHARA RAINBOW & BACK HAUL\CONSTRUCTION DRAWINGS

# 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
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- (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.

## NOTE TO CONTRACTOR:

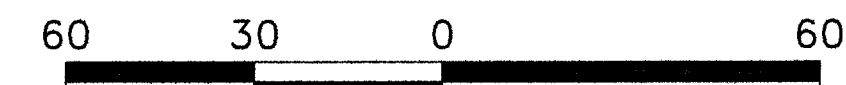
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CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
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- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE

# CONSTRUCTION DRAWING CITY OF LAS VEGAS, NEVADA



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



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

PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911088, 911089,  
911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL

|                               |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 12'  |
| 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:            | 950' |
| TRENCH:                       | 40'  |
| TOTAL NEW UG FOOTAGE:         | 40'  |
| TOTAL FOOTAGE:                | 990' |

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

| DATE | INITIAL |
|------|---------|
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SCALE

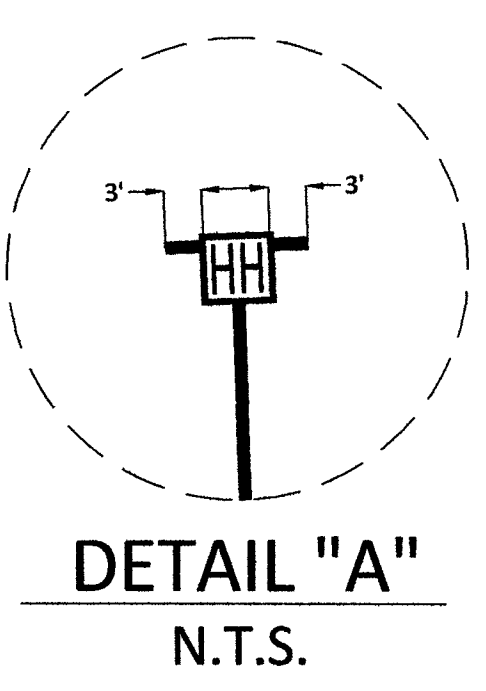
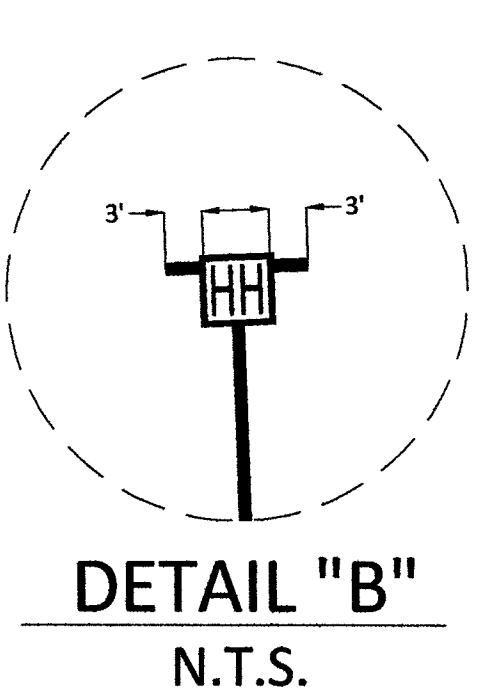
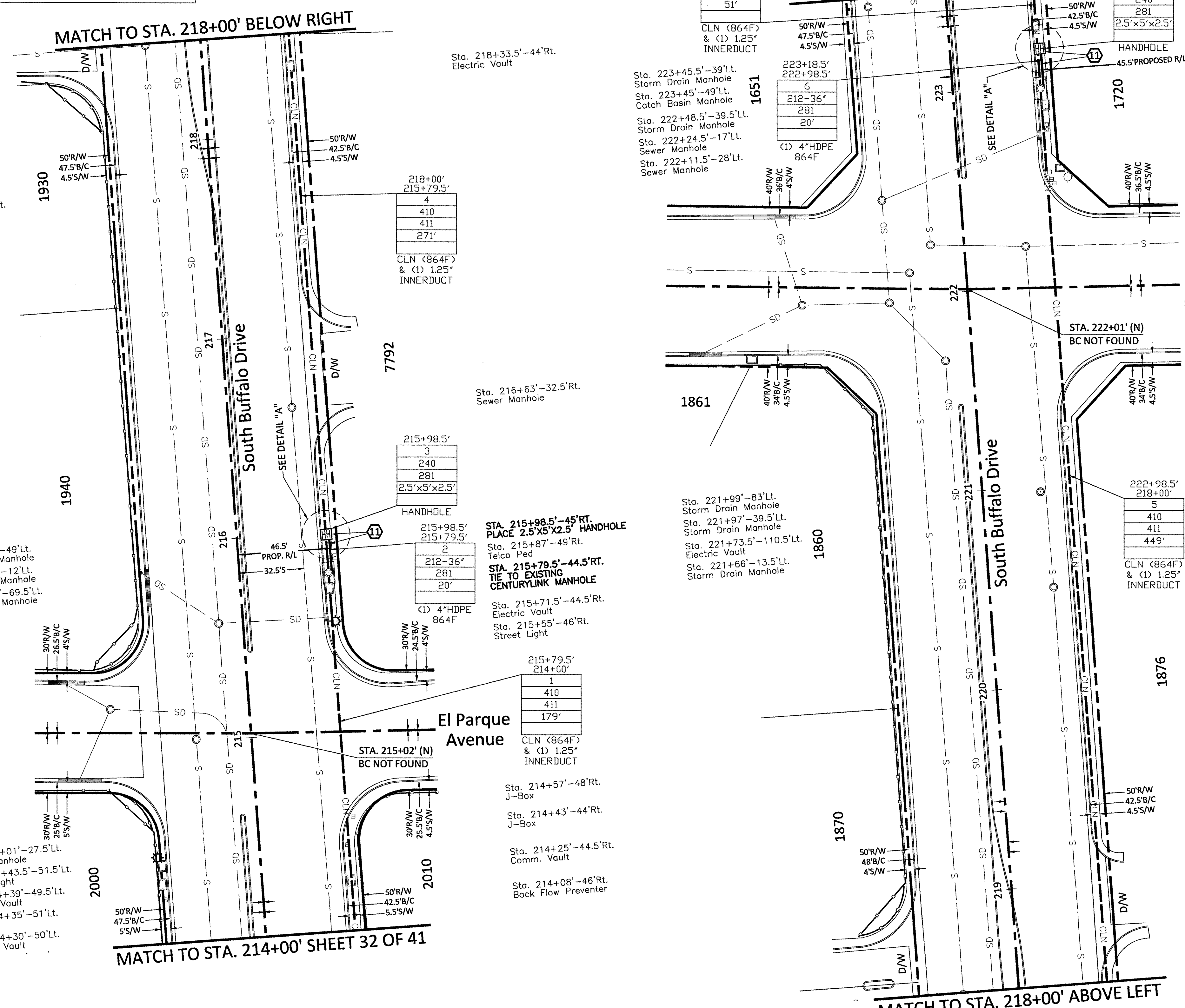
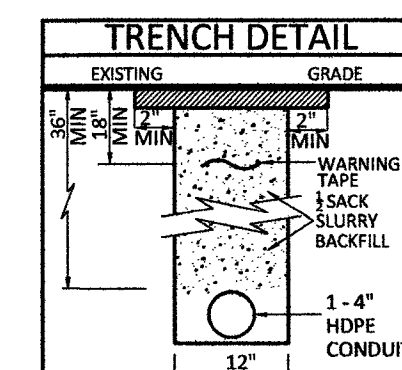
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 33 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL



# 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
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## NOTE TO CONTRACTOR:

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CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

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- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE

a. 227+55'-50'Lt.  
Electric Vault  
Sta. 227+47'-15.5'Lt.  
Sewer Manhole  
Sta. 227+37'-54.5'Lt.  
Back Flow Preventer  
Sta. 227+36.5'-48.5'Lt.  
Water Meter

Sta. 226+43'-50'Lt.  
Electric Vault  
Sta. 226+36.5'-60'Lt.  
J-Box  
Sta. 226+36.5'-49'Lt.  
J-Box  
Sta. 226+35.5'-53.5'Lt.  
Electric Transformer  
Sta. 226+25'-51'Lt.  
Street Light

Sta. 225+83.5'-15'Lt.  
Sewer Manhole

Sta. 225+12'-28'Lt.  
Sewer Manhole  
Sta. 225+10'-15'Lt.  
Sewer Manhole

Sta. 224+35.5'-49'Lt.  
Catch Basin Manhole

Sta. 223+84'-28.5'Lt.  
Sewer Manhole

Sta. 223+63'-28'Lt.  
Sewer Manhole

# 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

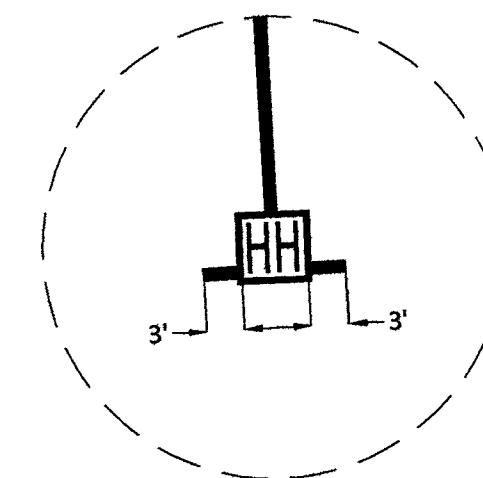
Call at least two full working days  
before you begin excavation.



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

Sta. 232+96'-30.5'Rt.  
Electric Manhole

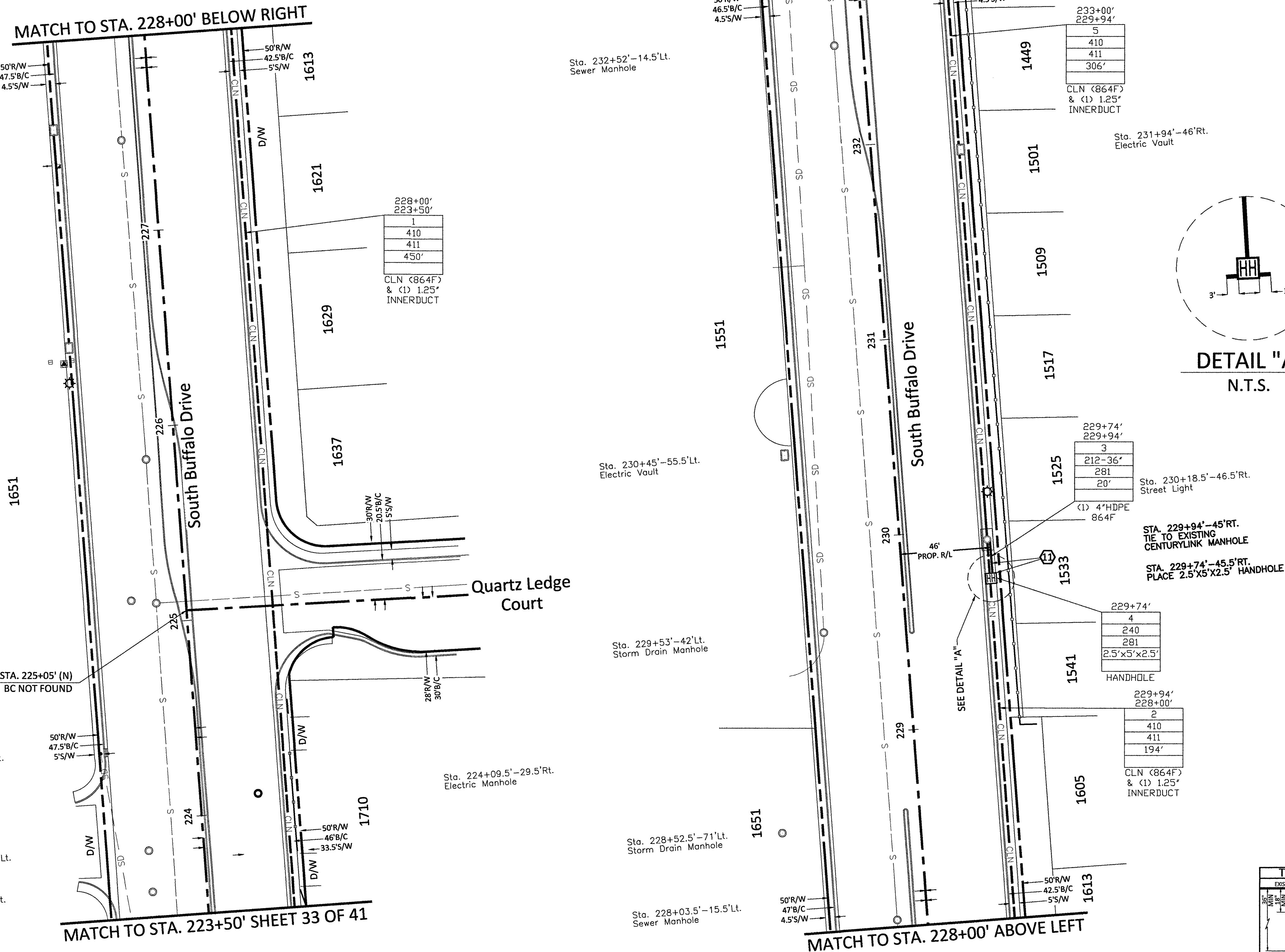
Sta. 231+94'-46'Rt.  
Electric Vault



DETAIL "A"  
N.T.S.

MATCH TO STA. 228+00' BELOW RIGHT

MATCH TO STA. 233+00' SHEET 35 OF 41



MATCH TO STA. 223+50' SHEET 33 OF 41

MATCH TO STA. 228+00' ABOVE LEFT



PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

| SHEET TOTAL                   |      |
|-------------------------------|------|
| 2" HDPE CONDUIT:              | 6'   |
| 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:            | 950' |
| TRENCH:                       | 20'  |
| TOTAL NEW UG FOOTAGE:         | 20'  |
| TOTAL FOOTAGE:                | 970' |

MCI  
COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

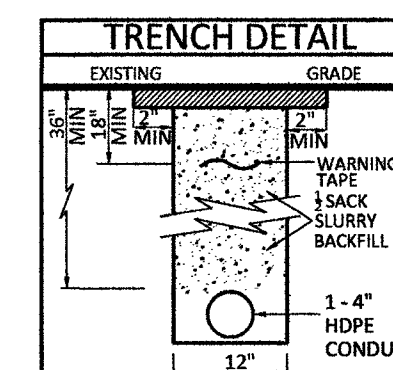
DATE: 9/21/2018

DRAWN BY: JJAMES

| REVISIONS |         |
|-----------|---------|
| DATE      | 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       | 34 OF 41                          |
| FILE:       | LSV SAHARA RAINBOW &<br>BACK HAUL |





**TRENCH DETAIL**

The diagram shows a cross-section of a trench. The top is divided into 'EXISTING' ground on the left and 'GRADE' on the right. The trench is 12" wide at the bottom. The depth is 36" from the existing ground level to the bottom. The trench walls are 18" high on the existing side and 24" high on the grade side. The bottom is 12" wide. The trench is filled with 'SACK SLURRY BACKFILL'. A 'WARNING TAPE' is shown at the top of the backfill. A '1-4" HDPE CONDUIT' is shown at the bottom of the trench.

# RTC NOTES:

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

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- (4) 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
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- (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.

## NOTE TO CONTRACTOR:

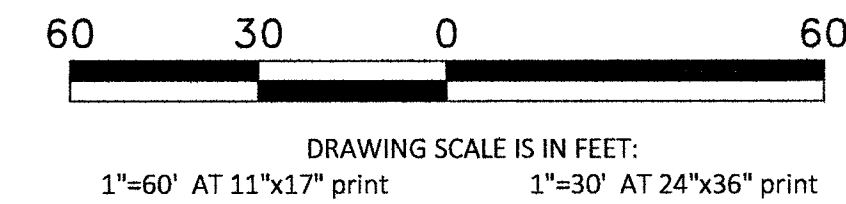
CONTRACTOR TO POTHOLE AND LOCATE ALL  
UTILITIES PRIOR TO STARTING CONSTRUCTION.

CONTRACTOR TO PLACE LOCATE WIRE AND  
MULE TAPE IN ALL CONDUIT PLACED

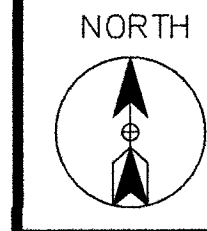
CONTRACTOR TO PLACE CONDUIT IN  
APPROXIMATE LOCATION SHOWN ON PLAN  
& PROVIDE AS-BUILTS WITH SPECIFIC TIE  
LOCATION

- 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



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



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911059,  
911060, 911061, 911062, 911063, 911064, 911065,  
911066, 911067, 911068, 911069, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL  
CITY OF LAS VEGAS, NEVADA

### CLARIFICATION NO. QUANTITY

|                               |      |
|-------------------------------|------|
| SHEET TOTAL                   |      |
| 2" HDPE CONDUIT:              | 12'  |
| 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:            | 655' |
| TRENCH:                       | 40'  |
| TOTAL NEW UG FOOTAGE:         | 40'  |
| TOTAL FOOTAGE:                | 695' |

COMMUNICATIONS SERVICES, INC.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

### REVISIONS

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

EXCEPT AS MAY BE OTHERWISE PROVIDED BY  
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COMMUNICATIONS SERVICES, INC. BOTH BEING  
ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE  
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### SCALE

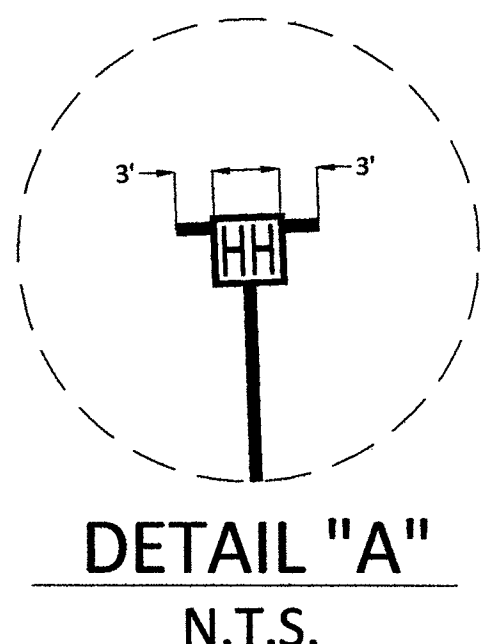
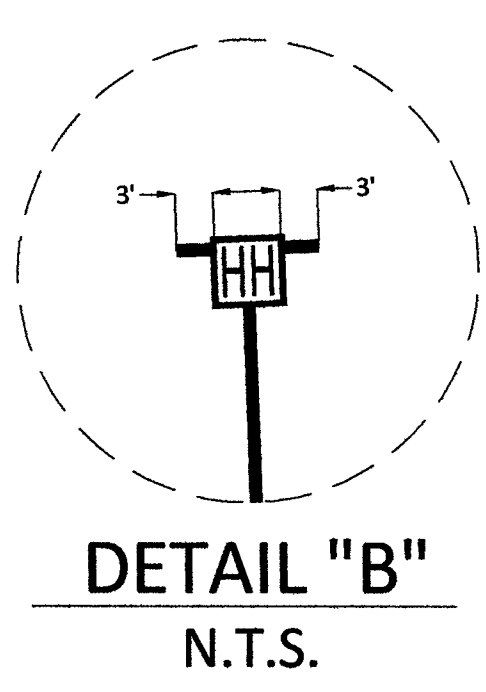
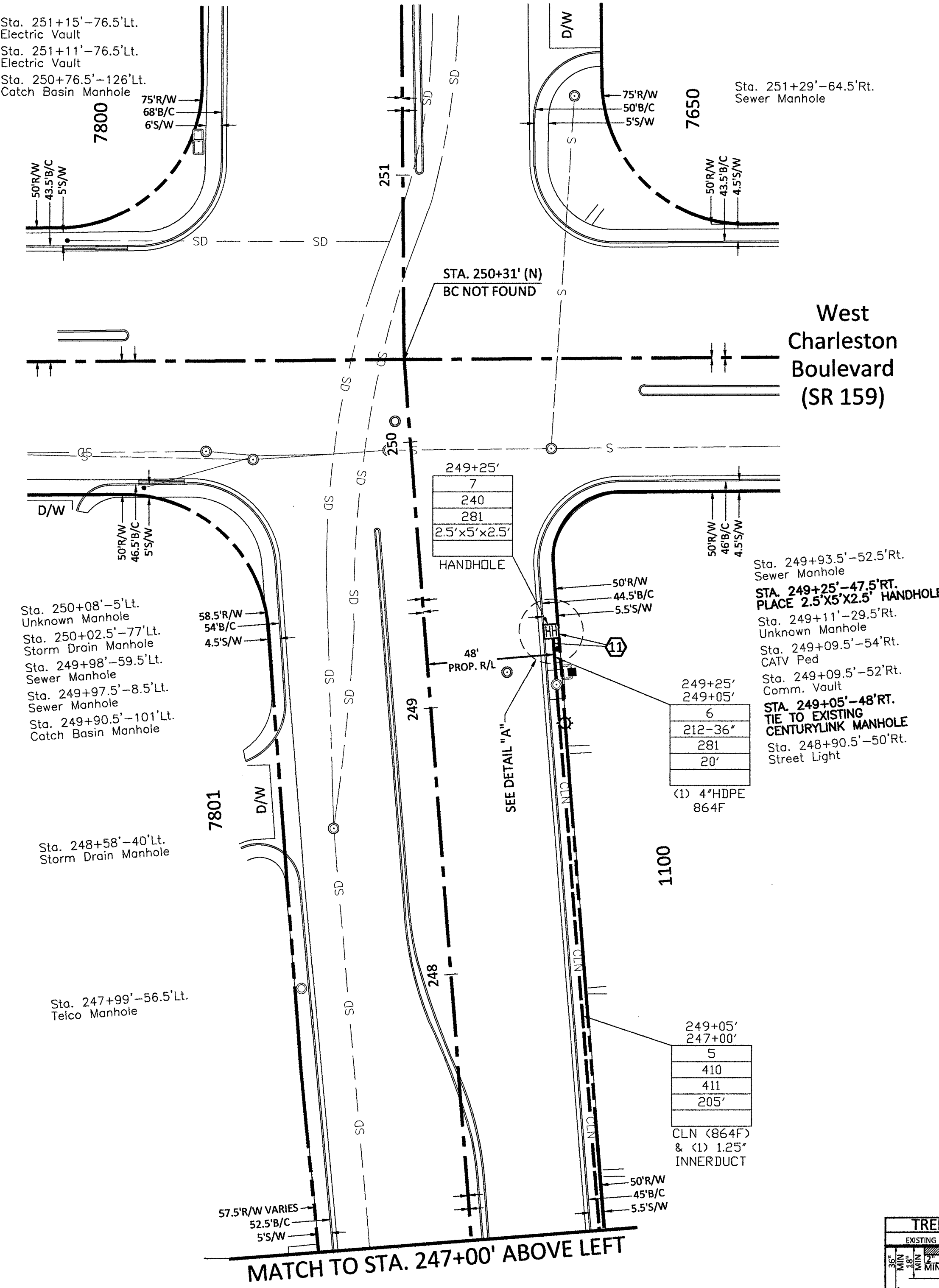
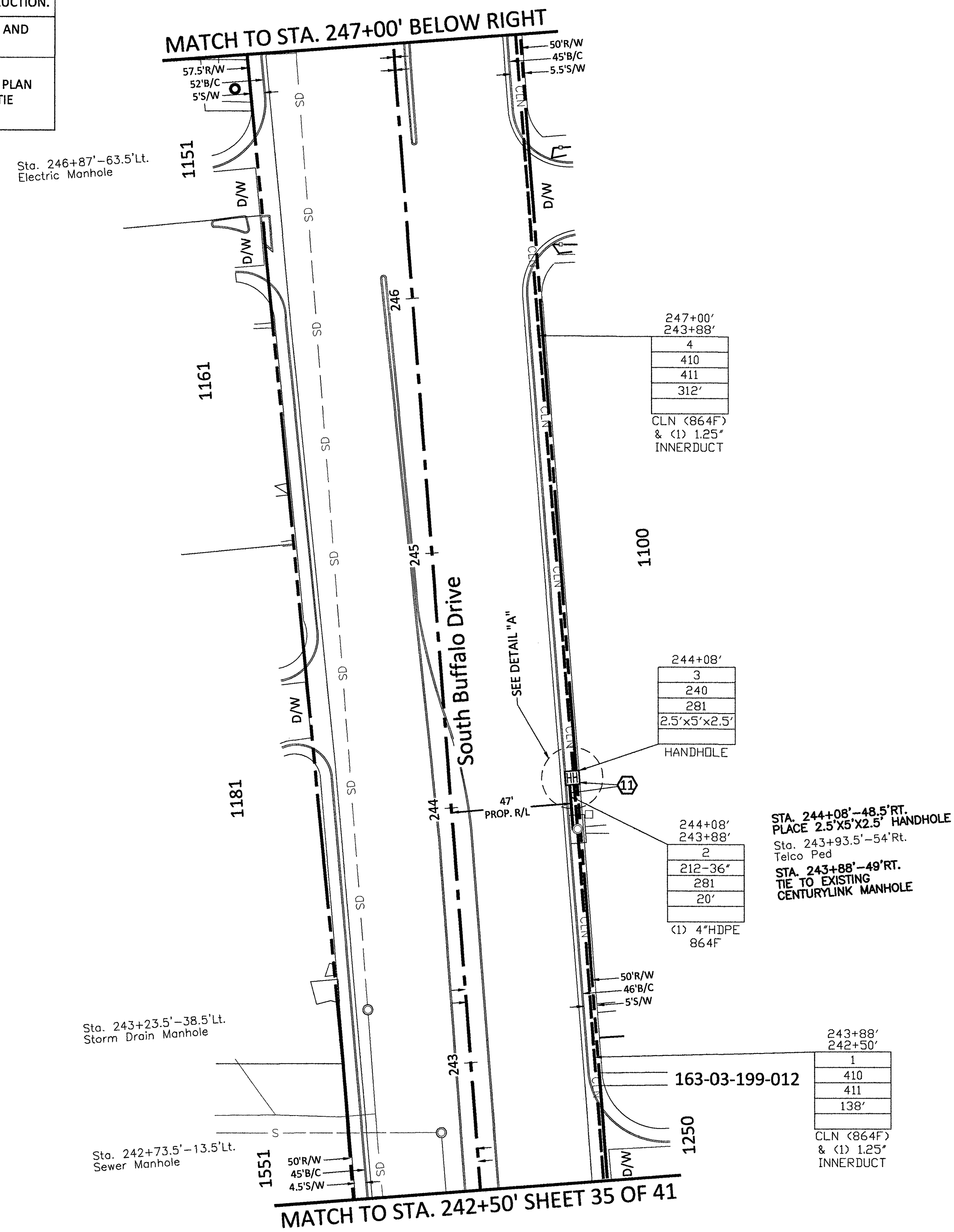
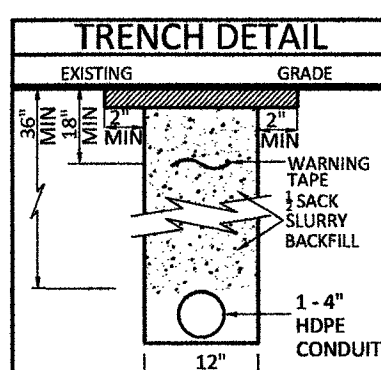
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 36 OF 41

LSV SAHARA RAINBOW &  
FILE: BACK HAUL



ROUTE SCHEMATIC

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



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



PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911088, 911089, 911090, 911091, 911092, 911093, 911094, 911095, 911096, 911097, 911098, 911099, 911100, 911101, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

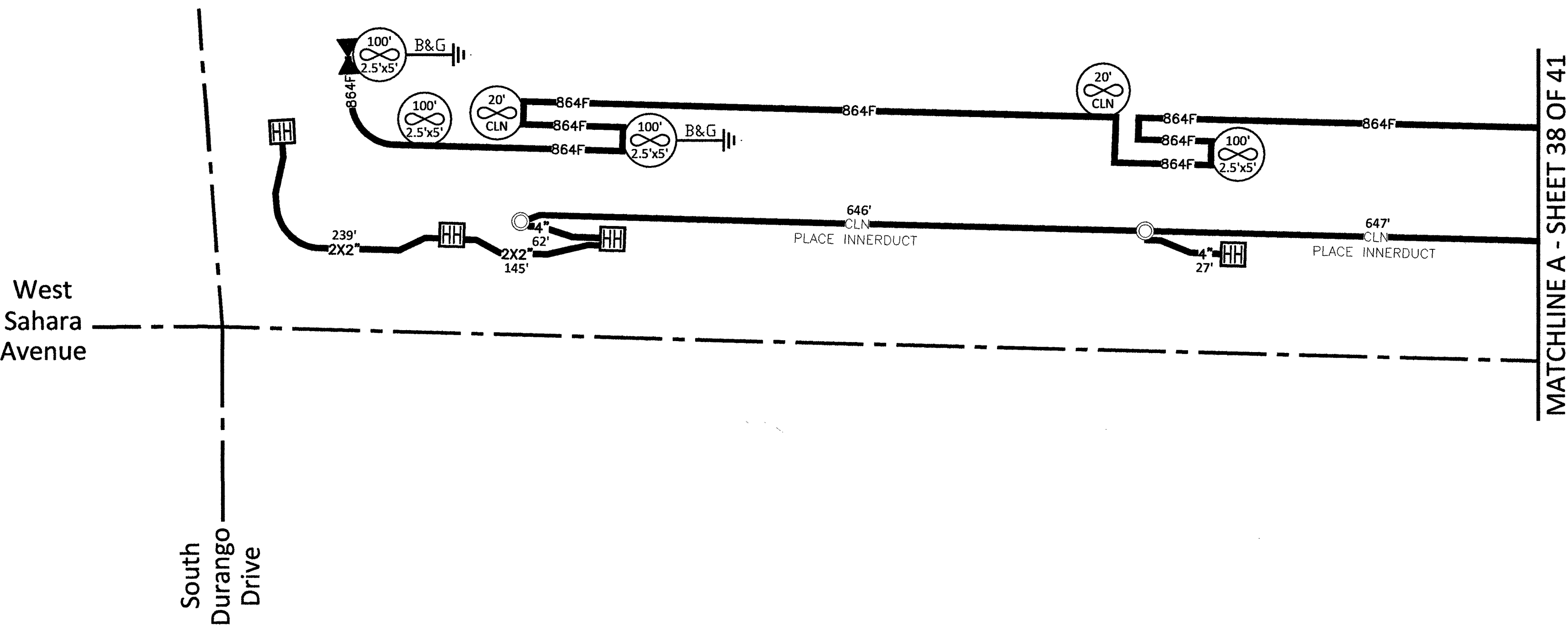
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864F/2,133'

| SITE-SPAN NAME: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL |         |             |        |      |       |           |          |        |        |
|---------------------------------------------------------|---------|-------------|--------|------|-------|-----------|----------|--------|--------|
| SITE-SPAN ID: 1708APXY.017, 1708APXY.026                |         |             |        |      |       |           |          |        |        |
| FQID                                                    | SEGMENT | FIBER COUNT | TRENCH | BORE | DB/OT | 3RD PARTY | VZ OWNED | AERIAL | TOTAL  |
| FIB:BUR::56001176                                       | 911043  | 864F        | '      | '    | '     | 5,376'    | '        | '      | 5,376' |
| FIB:BUR::56001176                                       | 911044  | 864F        | 383'   | 692' | '     | '         | '        | '      | 1,075' |
| FIB:BUR::56001176                                       | 911045  | 864F        | '      | '    | '     | 527'      | '        | '      | 527'   |
| FIB:BUR::56001136                                       | 911046  | 72F         | '      | 88'  | '     | '         | '        | '      | 88'    |
| FIB:BUR::56001121                                       | 911047  | 864F        | '      | '    | '     | 4,132'    | '        | '      | 4,132' |
| FIB:BUR::56001156                                       | 911048  | 864F        | '      | '    | '     | 5,132'    | '        | '      | 5,132' |
| FIB:BUR::56001156                                       | 911049  | 864F        | 446'   | '    | '     | '         | '        | '      | 446'   |
| FIB:BUR::56001162                                       | 911052  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911053  | 864F        | '      | '    | '     | 5,328'    | '        | '      | 5,328' |
| FIB:BUR::56001121                                       | 911088  | 864F        | 22'    | '    | '     | '         | '        | '      | 22'    |
| FIB:BUR::56001121                                       | 911089  | 864F        | 34'    | '    | '     | '         | '        | '      | 34'    |
| FIB:BUR::56001156                                       | 911090  | 864F        | 30'    | '    | '     | '         | '        | '      | 30'    |
| FIB:BUR::56001156                                       | 911091  | 864F        | 32'    | '    | '     | '         | '        | '      | 32'    |
| FIB:BUR::56001156                                       | 911092  | 864F        | 27'    | '    | '     | '         | '        | '      | 27'    |
| FIB:BUR::56001156                                       | 911093  | 864F        | 27'    | '    | '     | '         | '        | '      | 27'    |
| FIB:BUR::56001174                                       | 911094  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001156                                       | 911095  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911096  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911097  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911098  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911099  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001174                                       | 911100  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001176                                       | 911101  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001176                                       | 911102  | 864F        | 27'    | '    | '     | '         | '        | '      | 27'    |
| FIB:BUR::56001176                                       | 911103  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001176                                       | 911111  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |
| FIB:BUR::56001176                                       | 911112  | 864F        | 46'    | '    | '     | '         | '        | '      | 46'    |
| FIB:BUR::56001121                                       | 911113  | 864F        | 29'    | '    | '     | '         | '        | '      | 29'    |
| FIB:BUR::56001174                                       | 911114  | 864F        | 20'    | '    | '     | '         | '        | '      | 20'    |



MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

DATE INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 37 OF 41

FILE: LSV SAHARA RAINBOW & BACK HAUL

MAVERICK ONE FIBER (LAS VEGAS) LSV WASHINGTON DECATUR LSV SAHARA RAINBOW & BACK HAUL CONSTRUCTION DRAWINGS

ROUTE SCHEMATIC

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



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



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911088, 911089,  
911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864F/6,164'

MCI  
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

DATE INITIAL

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SCALE

HORIZONTAL: 1"=30'

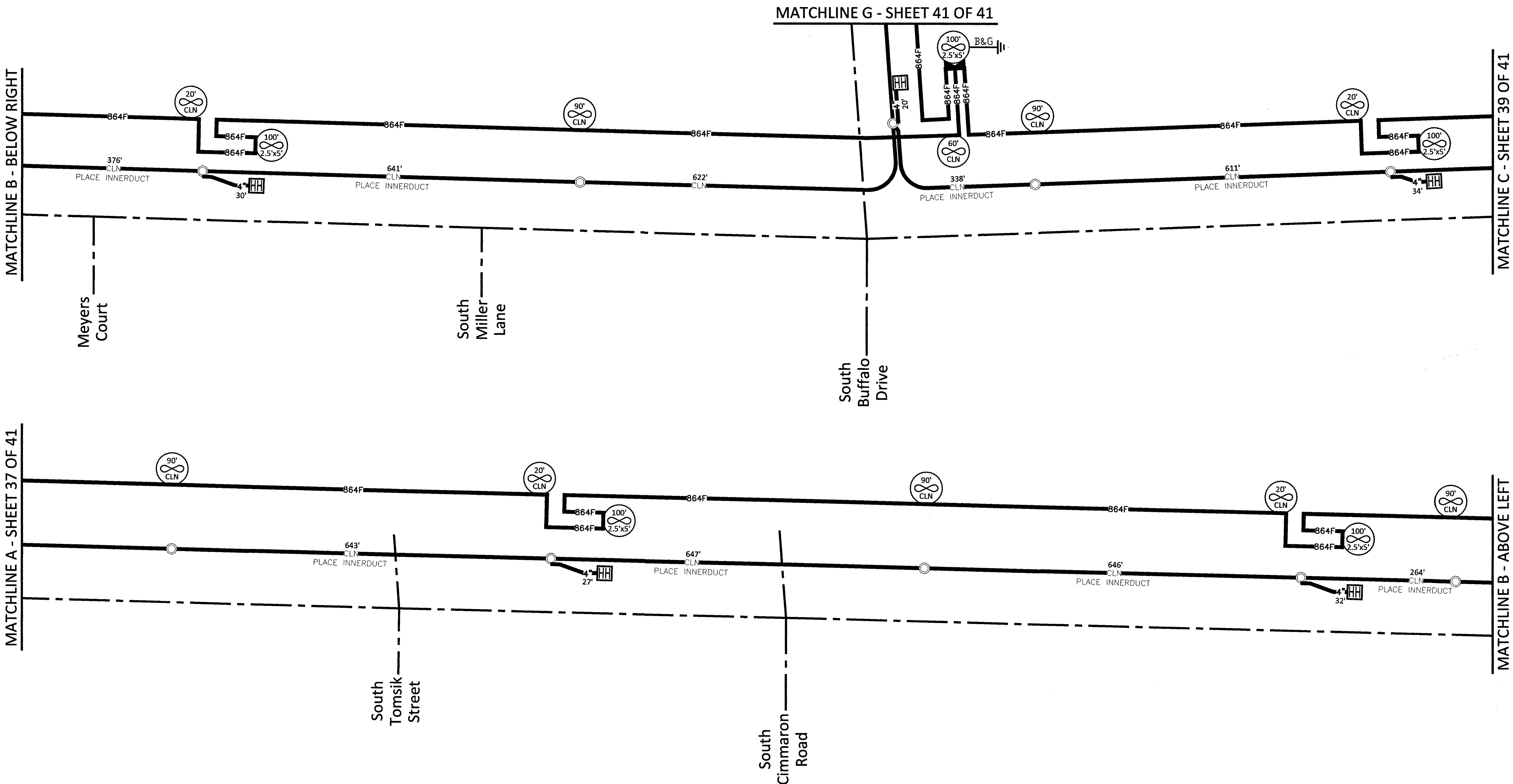
VERTICAL: NA

MP TO MP

SHEET 38 OF 41

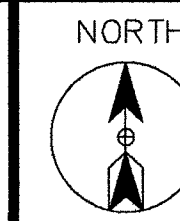
LSV SAHARA RAINBOW &  
FILE: BACK HAUL

M:\VERIZON ONE FIBER\LAS VEGAS\LSV WASHINGTON DECATUR\LSV SAHARA RAINBOW & BACK HAUL\CONSTRUCTION DRAWINGS



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

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



PROJECT: 911043, 911044, 911045, 911046, 911047  
911048, 911049, 911052, 911053, 911088, 911089  
911090, 911091, 911092, 911093, 911094, 911095  
911096, 911097, 911098, 911099, 911100, 911101  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

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

## FIBER TOTALS

|                     |             |
|---------------------|-------------|
| FIBER SIZE (LENGTH) | 3645/6 1031 |
|---------------------|-------------|

|                    |          |
|--------------------|----------|
| FIBER SIZE/LENGTH: | 72F/188' |
|--------------------|----------|

MCI  
COMMUNICATIONS SERVICES, INC.

## OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

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

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SCALE

HORIZONTAL:  $1'' = 30'$

VERTICAL: NA

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

SHEET 39 OF 41

FILE: LSV SAHARA RAINBOW &  
BACK HAUL

M:\VERIZON ONEFIBER\LAS VEGAS\LSV\WASHINGTON DECATUR\LSV SAHARA RAINBOW & BACK HAUL\CONSTRUCTION DRAWINGS

# ROUTE SCHEMATIC

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



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



PROJECT: 911043, 911044, 911045, 911046, 911047,  
911048, 911049, 911052, 911053, 911058, 911089,  
911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864F/6,183'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

DATE INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 40 OF 41

LSV SAHARA RAINBOW &  
FILE: BACK HAUL

MATCHLINE E - SHEET 39 OF 41

MATCHLINE F - BELOW RIGHT

MATCHLINE F - ABOVE LEFT

Mann  
Street

El Camino  
Road

South  
Bronco  
Street

South  
Jones  
Boulevard  
(SR 596)

West  
Sahara  
Avenue  
(SR 589)

Redwood  
Street

Sorrel  
Street

South  
Torrey Pines  
Drive

90'  
CLN

616'  
CLN  
PLACE IN UNDERDUCT

20'  
CLN

100'  
2.5X5'

607'  
CLN  
PLACE IN UNDERDUCT

90'  
CLN

100'  
2.5X5'

471'  
CLN  
PLACE IN UNDERDUCT

20'  
CLN

100'  
2.5X5'

31'  
CLN

PLACE IN UNDERDUCT

100'  
2.5X5'

20'  
CLN

594'  
CLN  
PLACE IN UNDERDUCT

439'  
CLN  
PLACE IN UNDERDUCT

90'  
CLN

699'  
CLN  
PLACE IN UNDERDUCT

90'  
CLN

373'  
CLN  
PLACE IN UNDERDUCT

100'  
2.5X5'

20'  
CLN

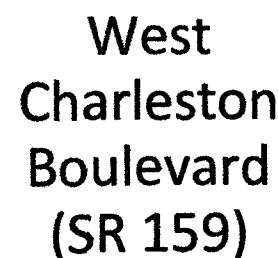
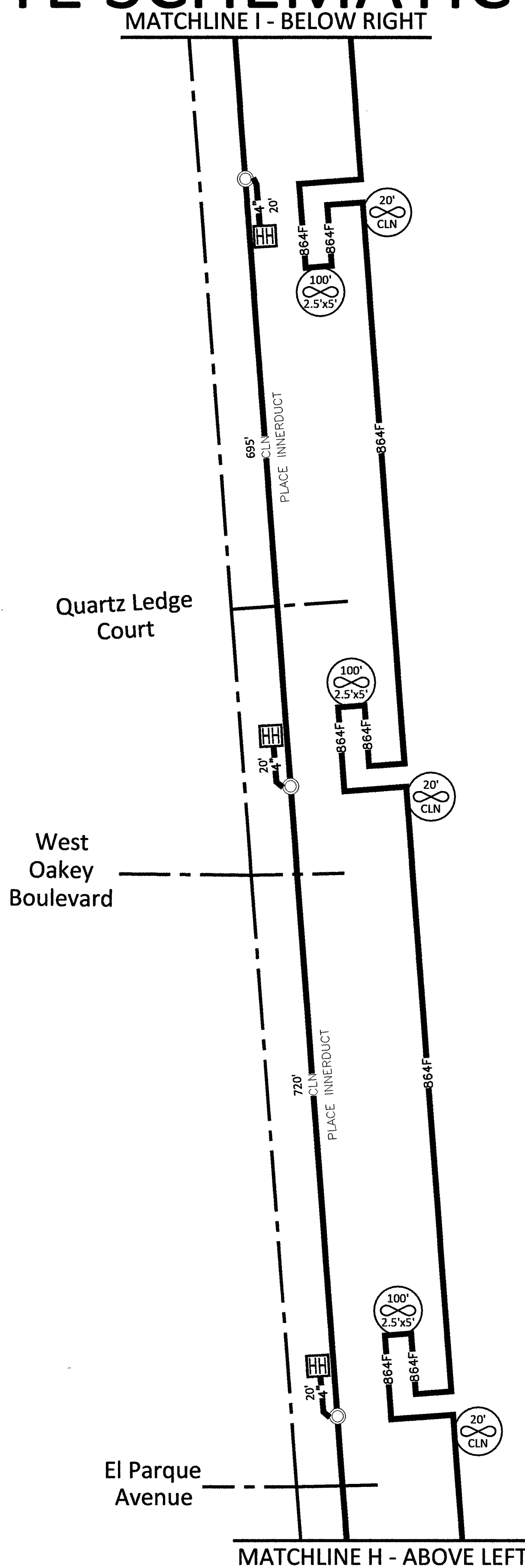
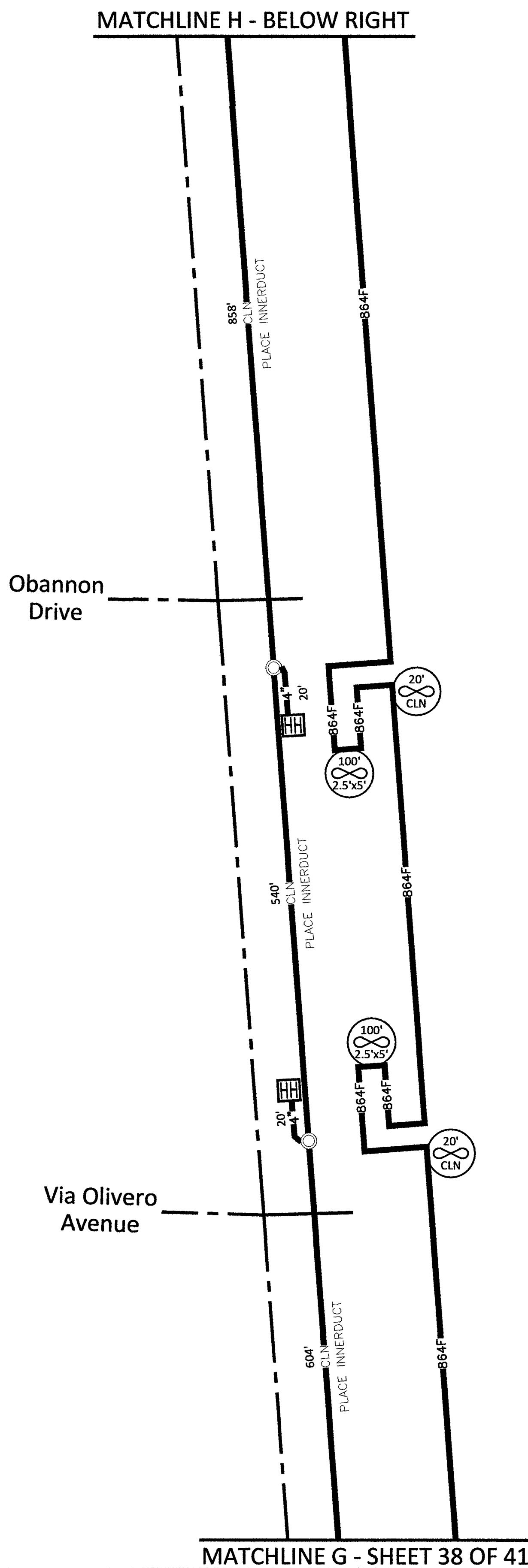
45'

PLACE IN UNDERDUCT

276'  
CLN

473'  
CLN  
PLACE IN UNDERDUCT

# ROUTE SCHEMATIC



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



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



PROJECT: 911043, 911044, 911045, 911046, 911047,  
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911090, 911091, 911092, 911093, 911094, 911095,  
911096, 911097, 911098, 911099, 911100, 911101,  
911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL

CITY OF LAS VEGAS, NEVADA

| CLARIFICATION NO. | QUANTITY |
|-------------------|----------|
| 1                 | 1        |
| 2                 | 1        |
| 3                 | 1        |
| 4                 | 1        |
| 5                 | 1        |
| 6                 | 1        |
| 7                 | 1        |
| 8                 | 1        |
| 9                 | 1        |
| 10                | 1        |
| 11                | 1        |
| 12                | 1        |
| 13                | 1        |
| 14                | 1        |
| 15                | 1        |
| 16                | 1        |
| 17                | 1        |
| 18                | 1        |
| 19                | 1        |
| 20                | 1        |
| 21                | 1        |
| 22                | 1        |
| 23                | 1        |
| 24                | 1        |
| 25                | 1        |
| 26                | 1        |
| 27                | 1        |
| 28                | 1        |
| 29                | 1        |
| 30                | 1        |
| 31                | 1        |
| 32                | 1        |
| 33                | 1        |
| 34                | 1        |
| 35                | 1        |
| 36                | 1        |
| 37                | 1        |
| 38                | 1        |
| 39                | 1        |
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| 41                | 1        |
| 42                | 1        |
| 43                | 1        |
| 44                | 1        |
| 45                | 1        |
| 46                | 1        |
| 47                | 1        |
| 48                | 1        |
| 49                | 1        |
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| 51                | 1        |
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| 53                | 1        |
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| 56                | 1        |
| 57                | 1        |
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| 61                | 1        |
| 62                | 1        |
| 63                | 1        |
| 64                | 1        |
| 65                | 1        |
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| 67                | 1        |
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| 69                | 1        |
| 70                | 1        |
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| 72                | 1        |
| 73                | 1        |
| 74                | 1        |
| 75                | 1        |
| 76                | 1        |
| 77                | 1        |
| 78                | 1        |
| 79                | 1        |
| 80                | 1        |
| 81                | 1        |
| 82                | 1        |
| 83                | 1        |
| 84                | 1        |
| 85                | 1        |
| 86                | 1        |
| 87                | 1        |
| 88                | 1        |
| 89                | 1        |
| 90                | 1        |
| 91                | 1        |
| 92                | 1        |
| 93                | 1        |
| 94                | 1        |
| 95                | 1        |
| 96                | 1        |
| 97                | 1        |
| 98                | 1        |
| 99                | 1        |
| 100               | 1        |

FIBER TOTALS

FIBER SIZE/LENGTH: 864F/6,588'

MCI  
COMMUNICATIONS SERVICES, INC.

## OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA  
RAINBOW/BACK HAUL

DATE: 9/21/2018

DRAWN BY: JJAMES

## REVISIONS

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

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SCALE

HORIZONTAL :  $1''=30'$

VERTICAL: N

MP TP MP

SHEET 41 OF 4

FTL F: LSV SAHARA RAINBOW  
BACK HALL