

FIB:BUR::56001174

NORTH

A compass rose with a circle in the center. Four arrows point outwards from the center, labeled 'NORTH' at the top, 'SOUTH' at the bottom, 'EAST' on the right, and 'WEST' on the left. The arrows are black with white outlines.

CLARIFICATION NO.	QUANTITY
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[illegible]

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA
RAINBOW/BACK HAUL

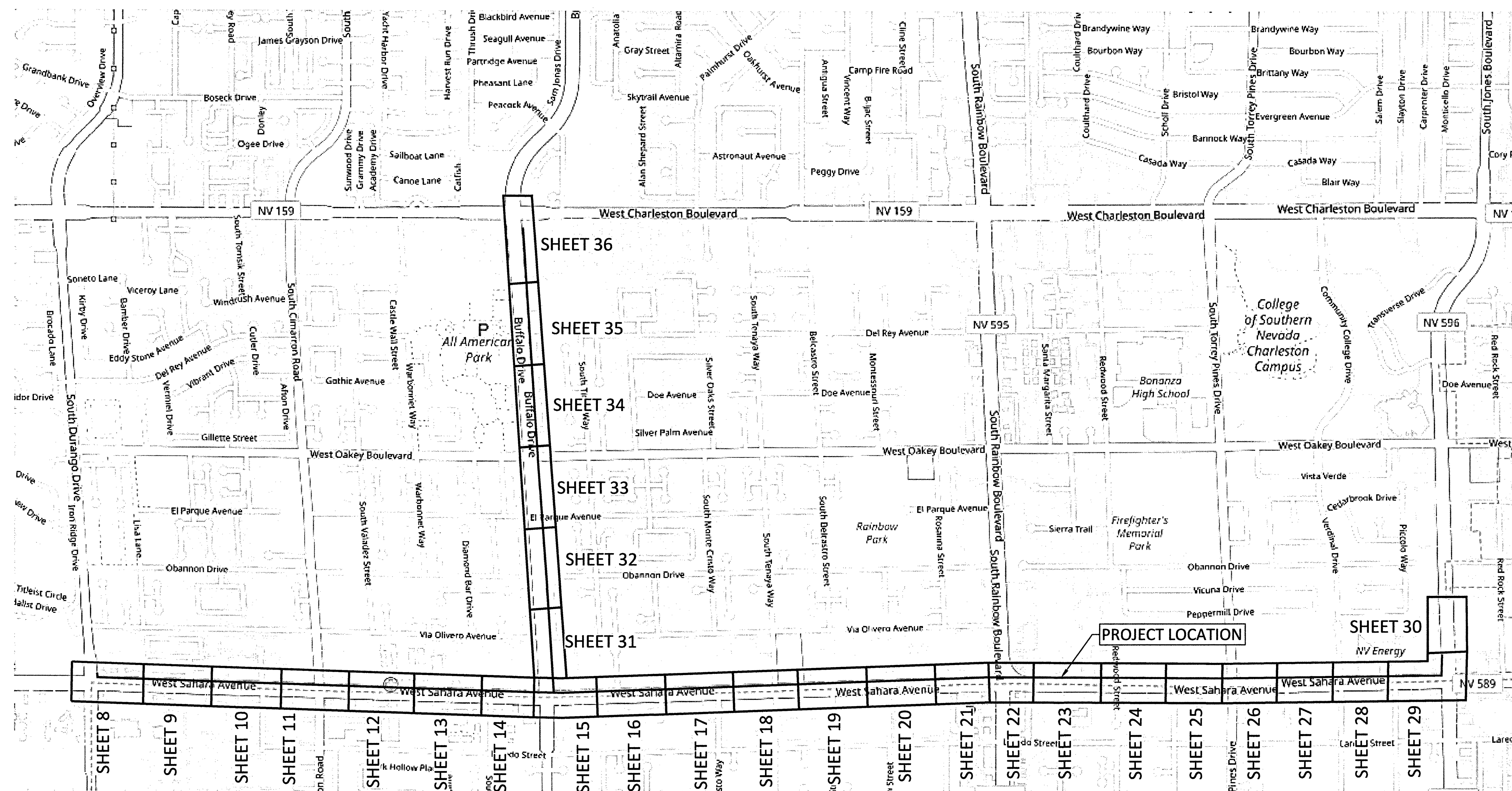
REVISIONS

[illegible]

SCALE

FILE: LSV SAHARA RAINBOW
BACK HAUL

Downloaded from <http://ajph.org/> at University of California, San Diego on June 11, 2015



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

SYMBOLS KEY

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

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

MILE POST MARKER
NOTE:
DASHED = NOT FOUND IN FIELD

PERMIT TRACKING FORM IDENTIFIER

UTILITY COVER DEPTH

HANDHOLE, VAULT OR PULLBOX

STREET LIGHT

WOOD POLE & STEEL POLE

ANCHOR ONLY

GUY ONLY

OVERHEAD GUY (ARROW IN DIRECTION OF PULL)

ANCHOR AND GUY

SIDEWALK ANCHOR AND GUY

FOREIGN ANCHOR AND GUY

PUSH BRACE (EXISTING POLE)

ACCOUNT CODE CHANGE (BURIED TO AERIAL)

RISER POLE

BOND AND GROUND

CULVERT (SIZE AS INDICATED)

BRIDGE

METER

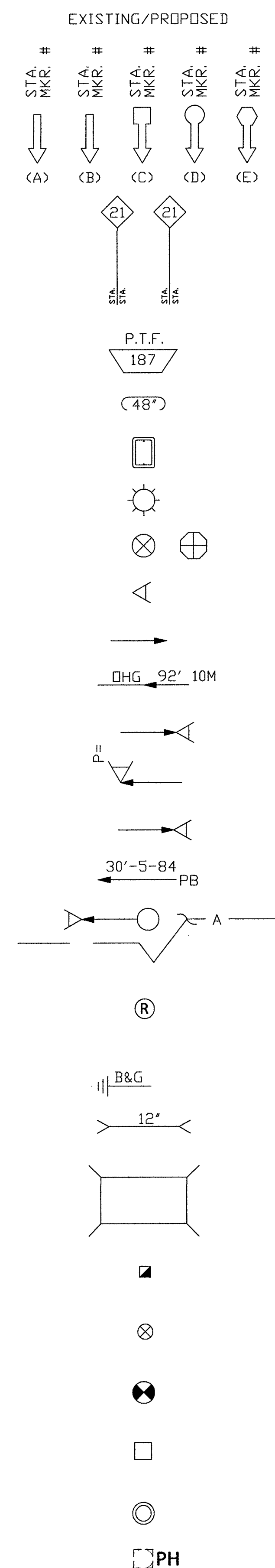
VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE



PROJECT: 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
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[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]

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

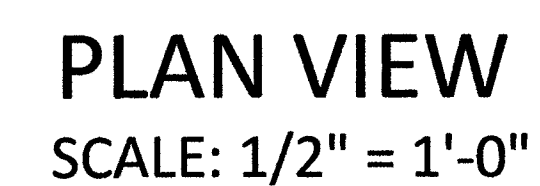
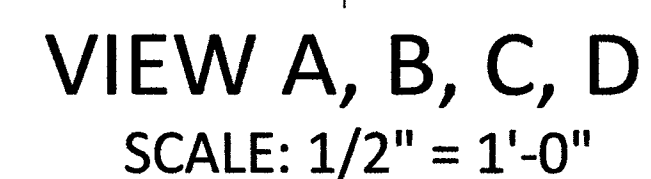
HORIZONTAL: $1''=30'$

VERTICAL:	NA
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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

FILE: BACK PAGE

CITY OF LAS VEGAS, NEVADA

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA
RAINBOW/BACK HAUL

FILE: LSV SAHARA RAINBOW &
BACK HAUL

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

7

NOTES:

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

[illegible]

Diagram illustrating the components and assembly details of a vault structure:

- SEE DETAIL "A-3" THIS SHEET
- NON-SKID SURFACE
- EMS MARKER 3M CAT #1411 (ONE SIDE ONLY)
- LOCK DOWN DEVICE AND DIRT SHIELD
- SEE DETAIL "A-1" THIS SHEET
- UNISTRUT CHANNEL SUPPORT BEAM 1.625" X 1" X 33" (3 REQUIRED)
- .375" INSERT
- SEE DETAIL "A-4" THIS SHEET
- 4.50" BELL ENDS W/ PVC PLUG. BELL ENDS TO ACCOMMODATE SCHED. 40 PVC (BOTH ENDS)
- 5.625"
- 2" KNOCKOUT (BOTH ENDS)
- 2.50" KNOCKOUT (BOTH ENDS)
- LIFTING BOLTS (TYP. 4 PLACES)
- 3" REINFORCED RIB
- FIBERGLASS REINFORCED PLASTIC VAULT (FRP)
- REINFORCED POLYMER MORTAR FRAME (RPM) BONDED TO VAULT BY MANUFACTURER
- SEE DETAIL "A-2" THIS SHEET
- LOCKING BEAM (CENTER ONLY)
- 60"
- 30"
- 30"
- 4.75"
- 75 IN.
- .50 IN.
- MCI 1-800-624-9675
- LIFTING SLOT 4" X 2" WITH CENTER PIN
- TWO PIECE REINFORCED POLYMER MORTAR (RPM) COVER FOR 20,000 LBS. LOADING WEIGHT



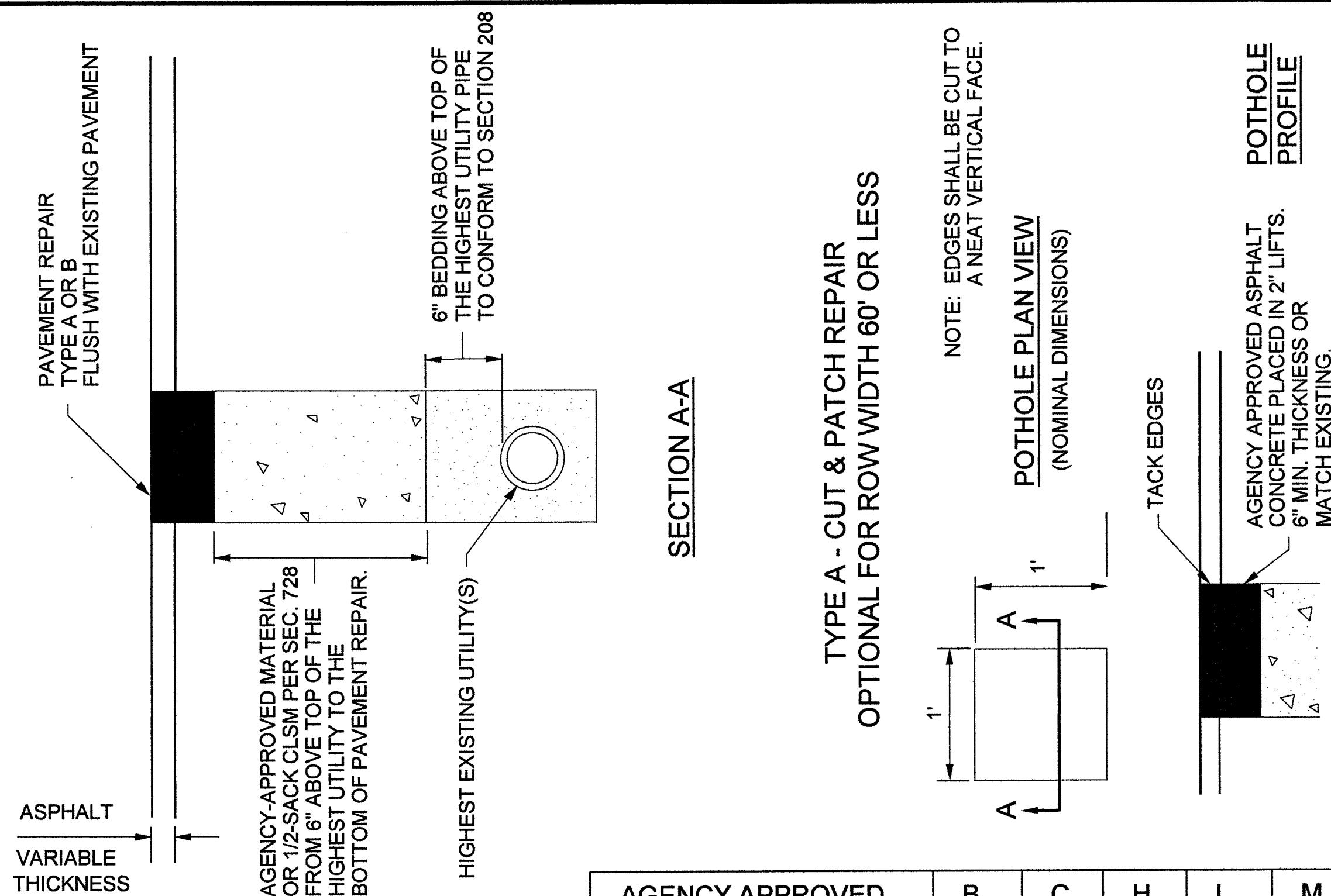
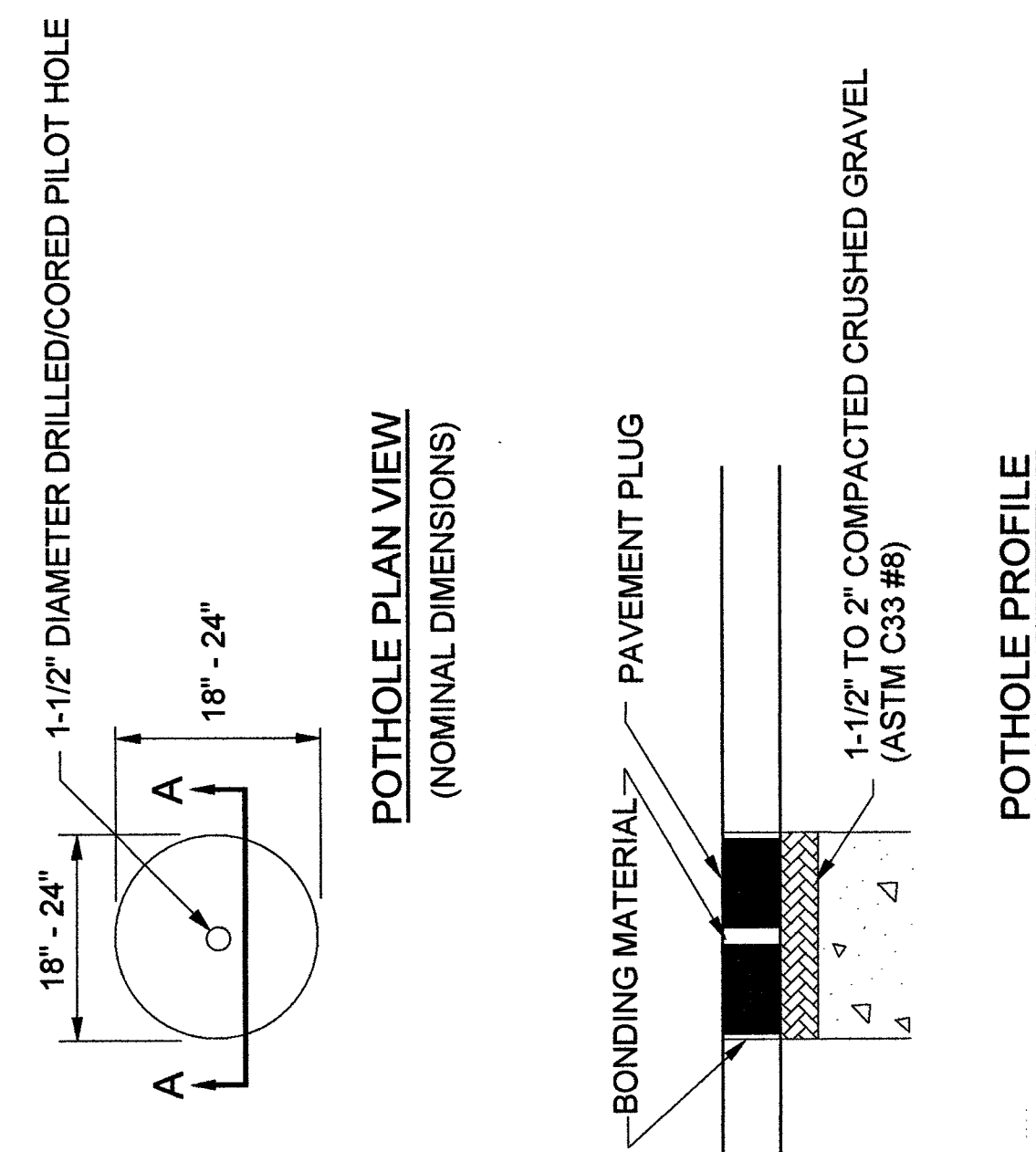
 13230 Satcoy Street,
North Hollywood, CA 91605
(818) 982-3600
ARMORC45® PRODUCTS COMPANY

"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 GL	DATE 6/17	SCALE NONE	MAX. LOAD TIER 15
APPROV. WS	6/17	MATERIAL POLYMER CONCRETE	DRAWING NUMBER A60001974TAPMC13

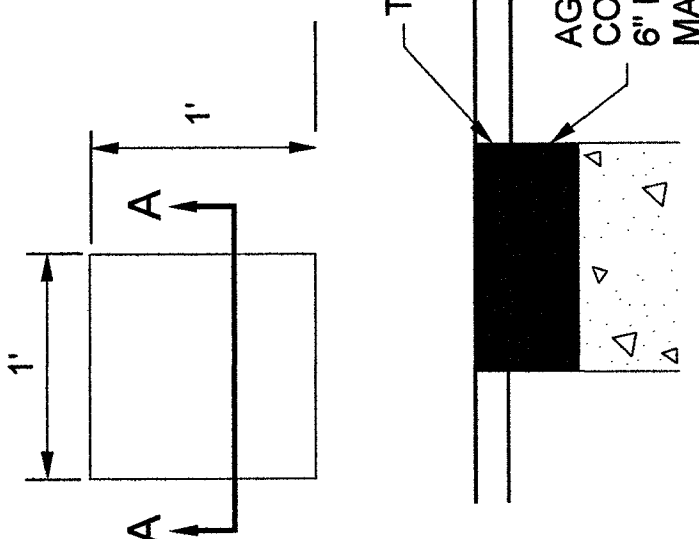
NOTES:

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 C582) 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 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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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
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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
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SHEET 7 OF 41

FILE: LSV SAHARA RAINBOW &
BACK HAUL

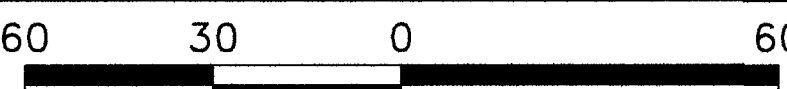
811 Know what's below.
Call 811 before you dig.

FILE BACK TROU

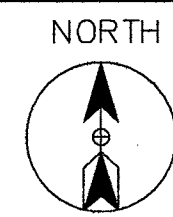
9

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.



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911048, 911049, 911052, 911053, 911058, 911089,
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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

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REVISIONS

DATE	INITIAL

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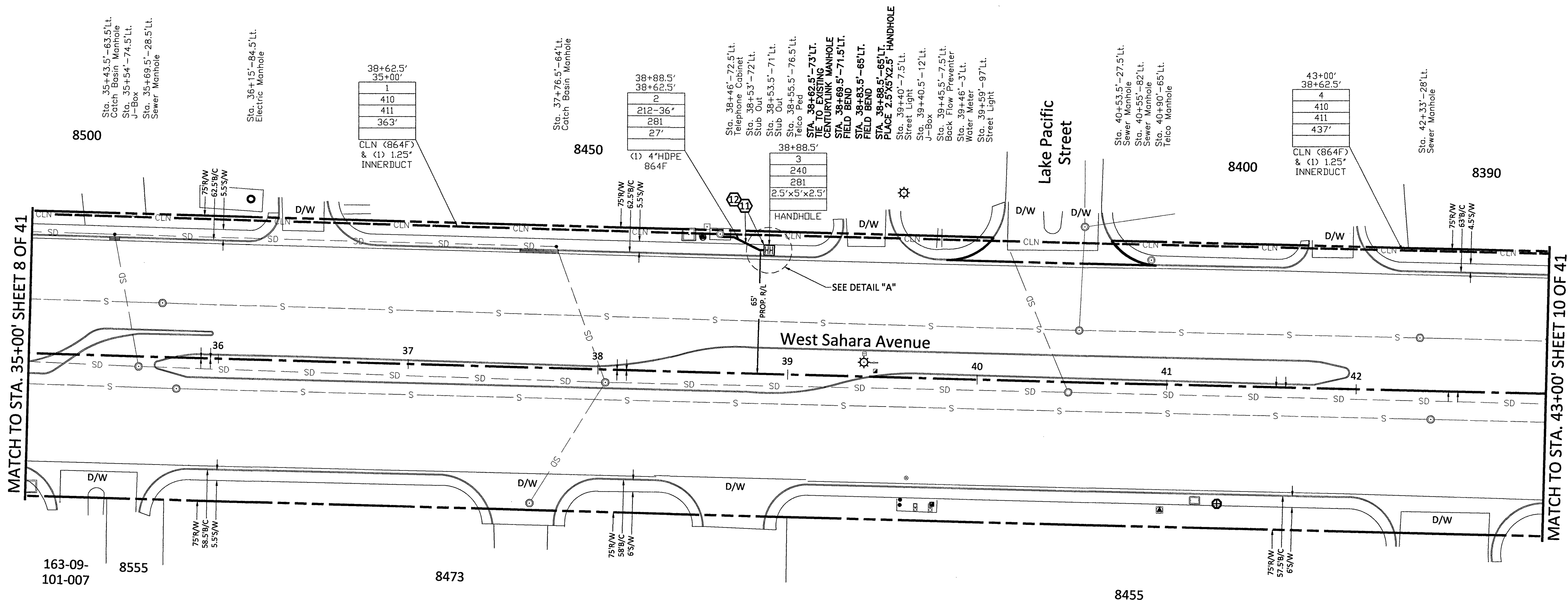
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

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

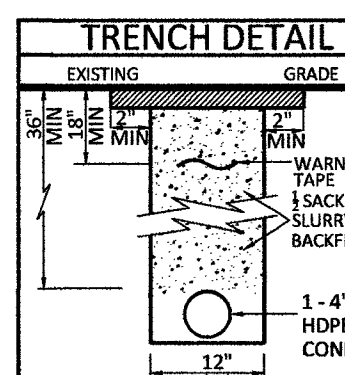
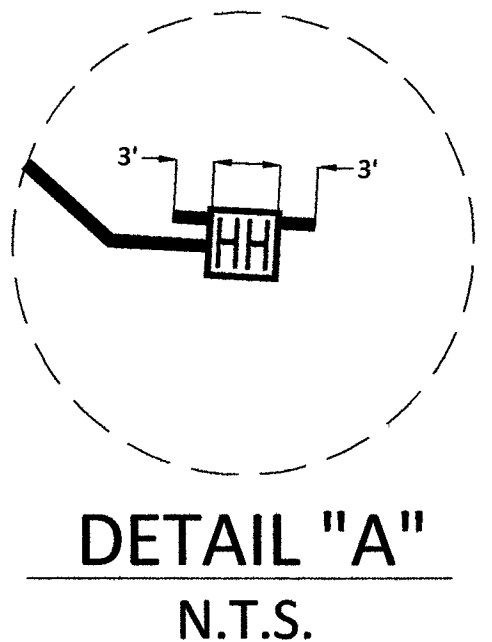
NOTE TO CONTRACTOR:

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

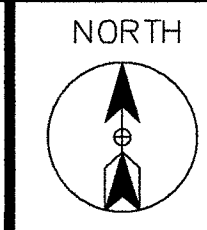
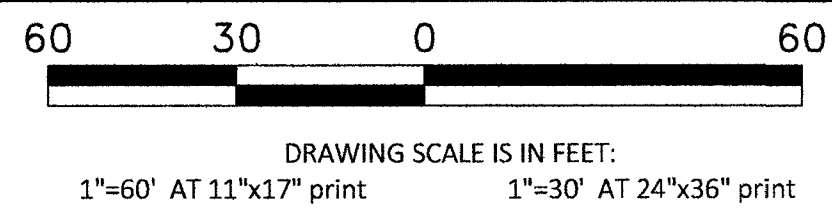
CONTRACTOR TO PLACE LOCATE WIRE AND
MULE TAPE IN ALL CONDUIT PLACED

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, 911052, 911053, 911058, 911059,
911060, 911061, 911062, 911063, 911064, 911065,
911066, 911067, 911068, 911069, 911100, 911101,
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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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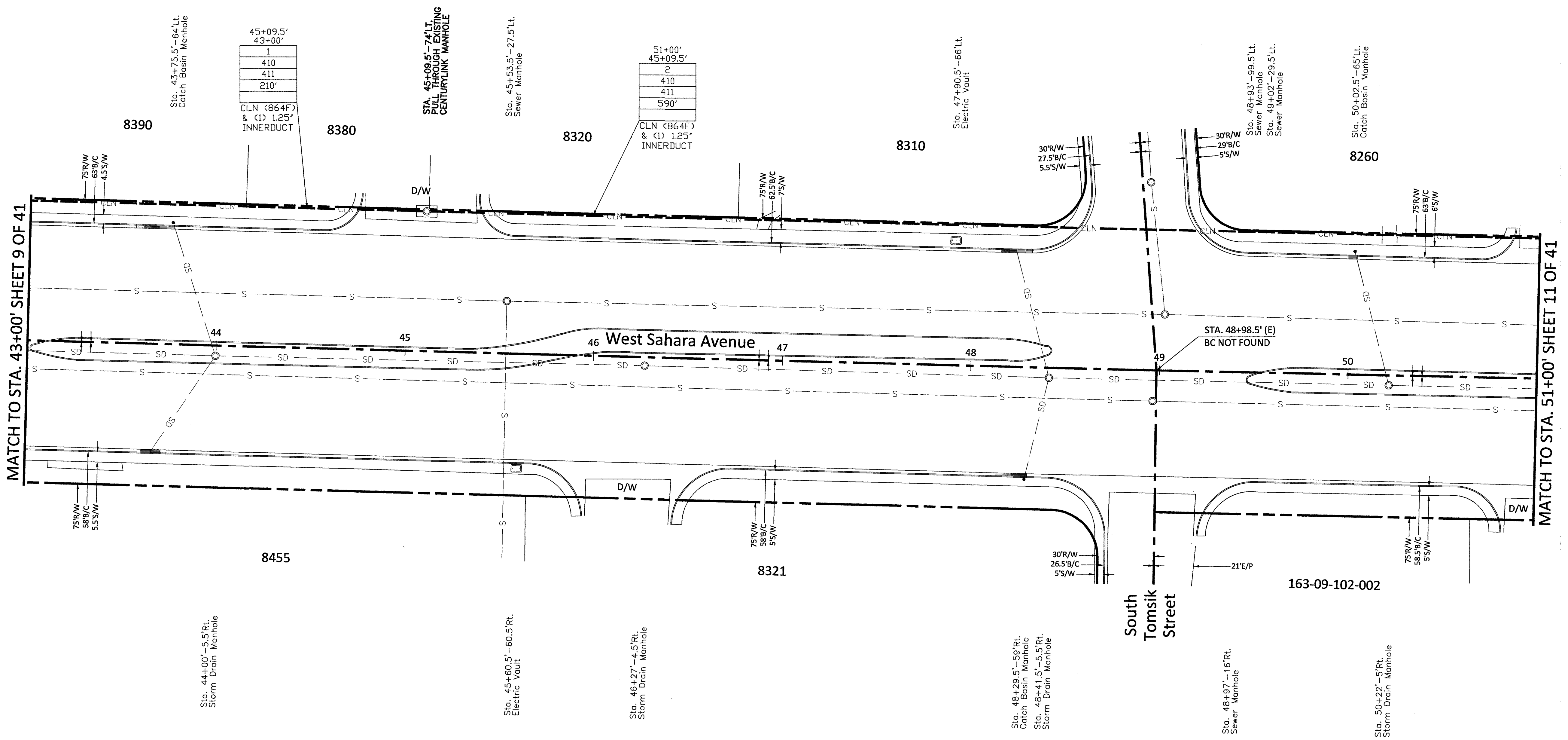
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 10 OF 41

FILE: BACK HAUL



RTC NOTES:

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(11)	234	SIDEWALK
(12)	BACKFILL	IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

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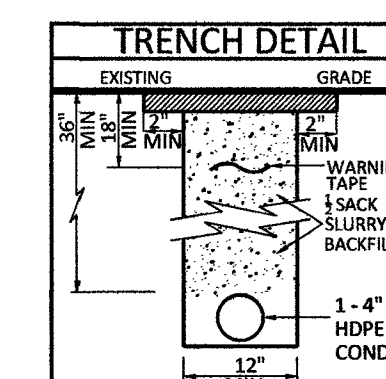


**Know what's below.
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CLARIFICATION NO.	QUANTITY
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SHEET TOTAL	
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4' x 5' x 4' HANDHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	800'
TRENCH:	27'
TOTAL NEW UG FOOTAGE:	27'
TOTAL FOOTAGE:	827'

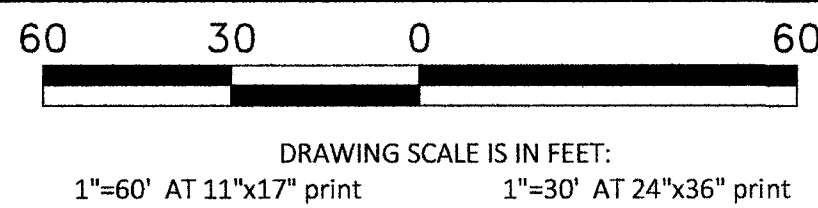
FILE: BACK HAUL



210 PLACE CONDUIT
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240 PLACE MANHOLE
250 PLACE MANHOLE
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280 REMOVE AND RESTORE CONCRETE
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CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA



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

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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
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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'

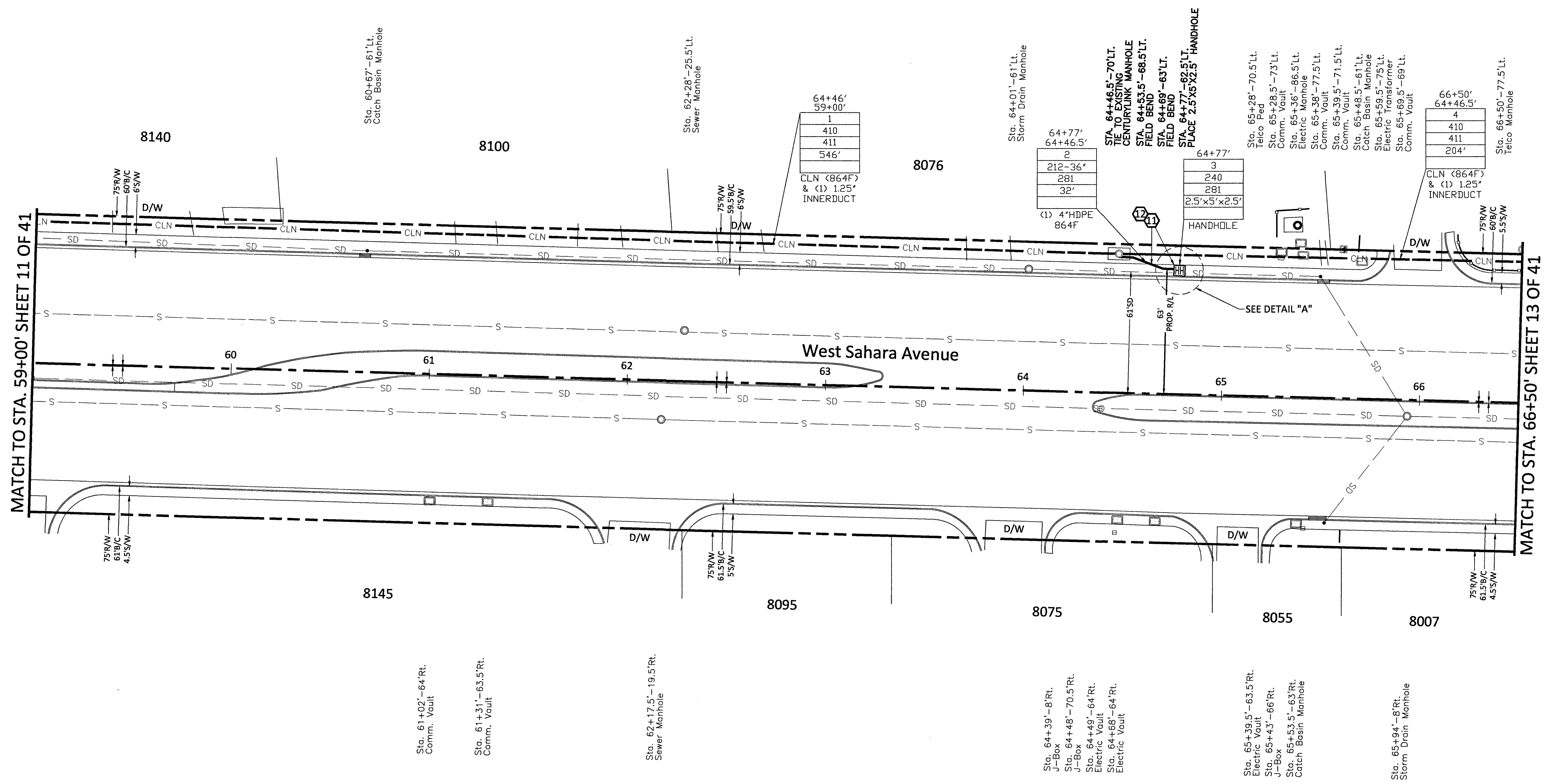
VERTICAL: NA

MP TO MP

SHEET 12 OF 41

FILE: BACK HAUL

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



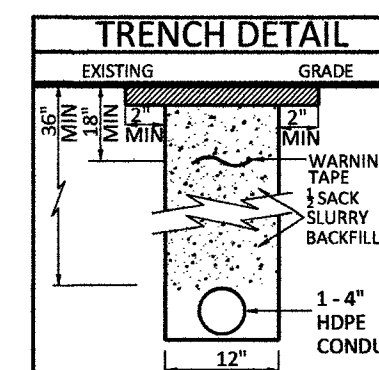
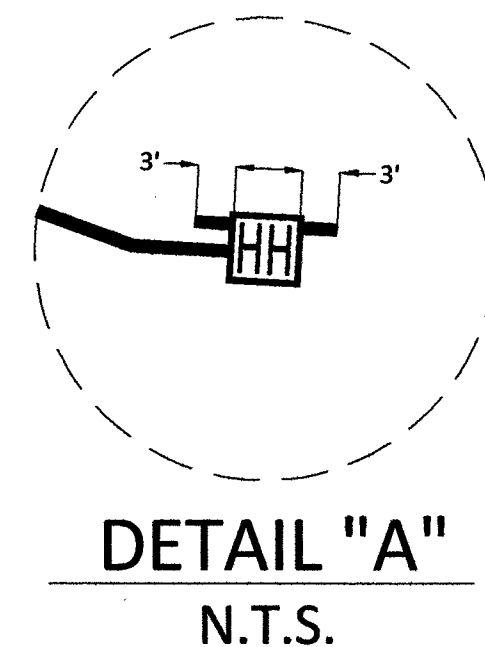
RTC NOTES:

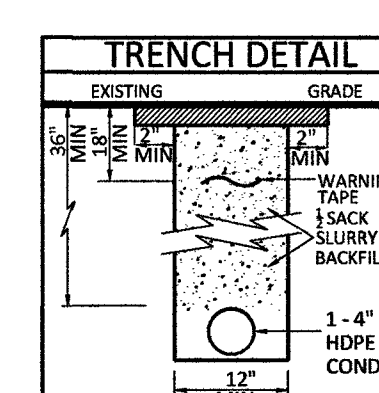
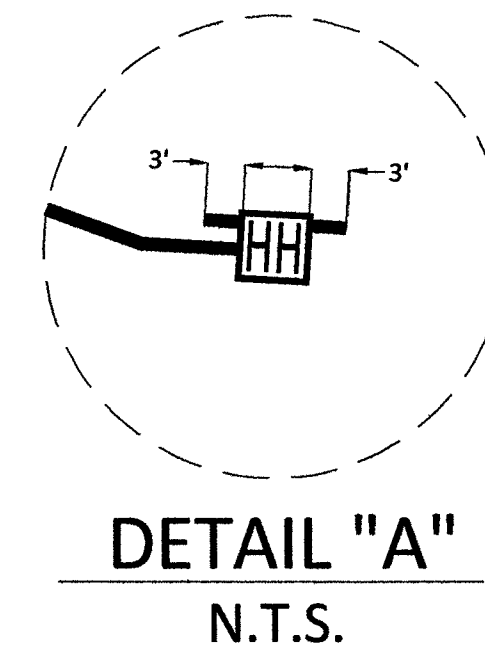
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

1	500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
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
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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





FILE LSV SAHARA RAINBOW &
BACK HALL

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

EXCEPT AS MAY BE OTHERWISE PROVIDED BY
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SCALE

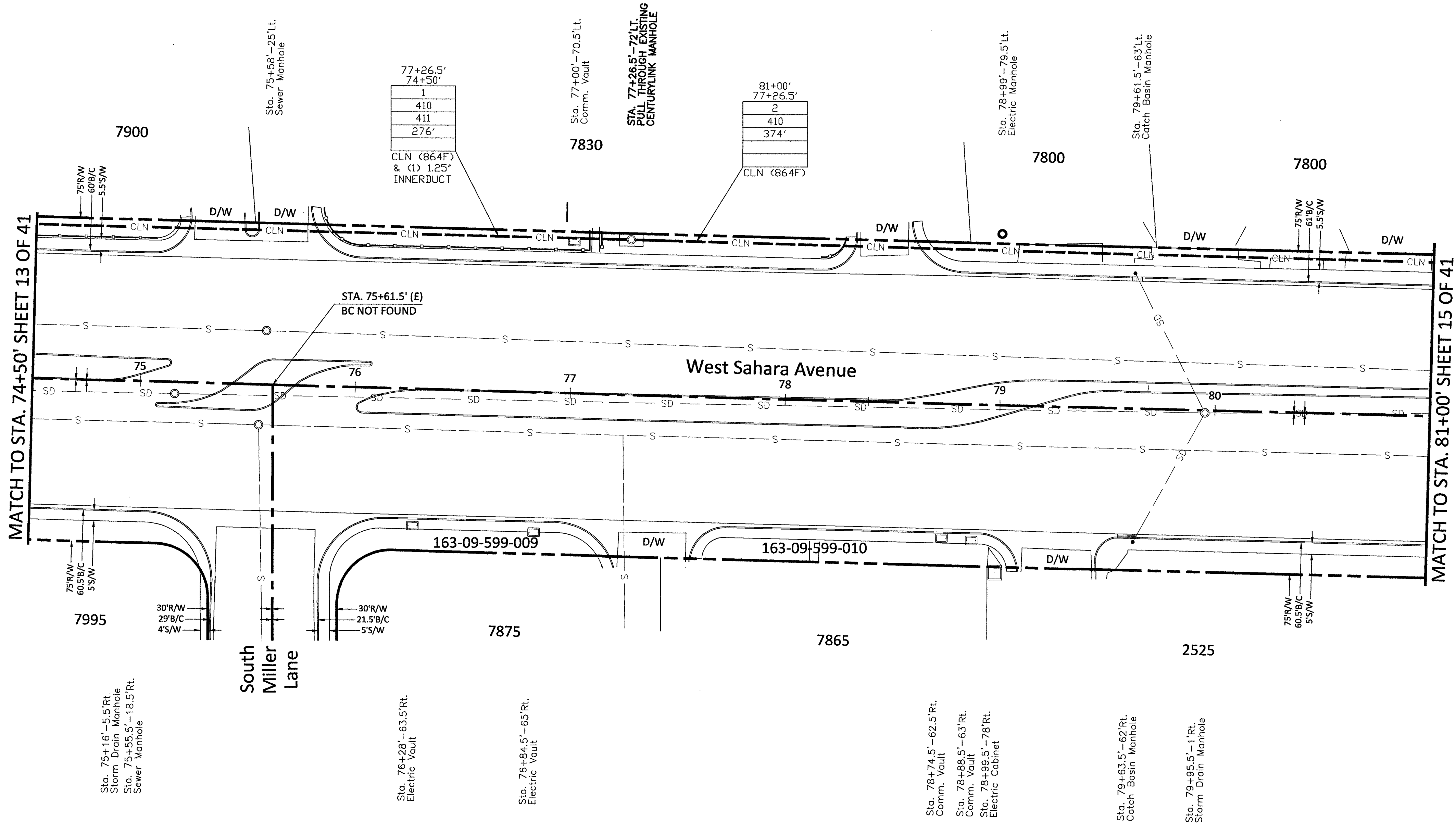
HORIZONTAL: 1"=30'

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 |
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| 11 | 234 | SIDEWALK |
| 12 | BACKFILL | IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY. |

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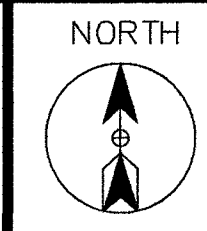
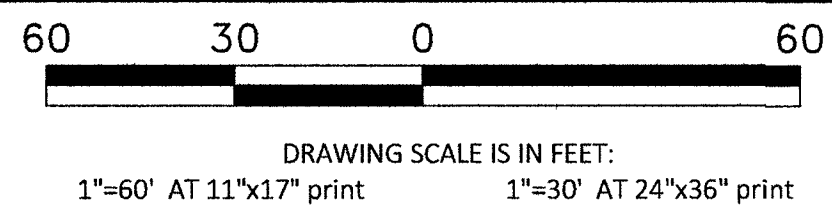
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& PROVIDE AS-BUILTS WITH SPECIFIC TIE
LOCATION

- | | |
|-----|--|
| 210 | PLACE CONDUIT |
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| 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
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CELL SITE: LSV SAHARA RAINBOW/BACK HAUL
CITY OF LAS VEGAS, NEVADA

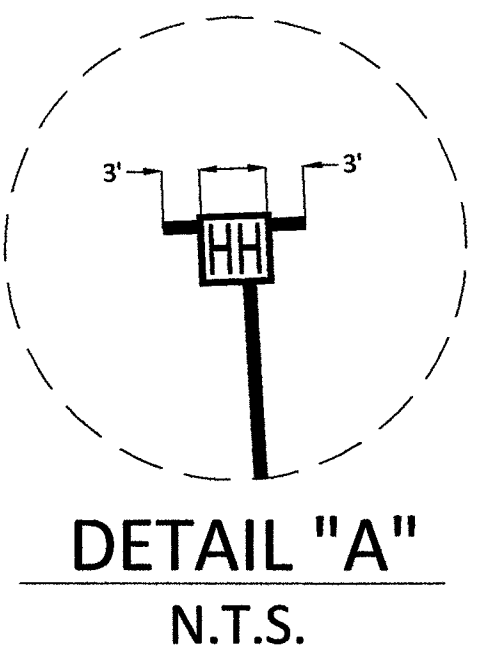
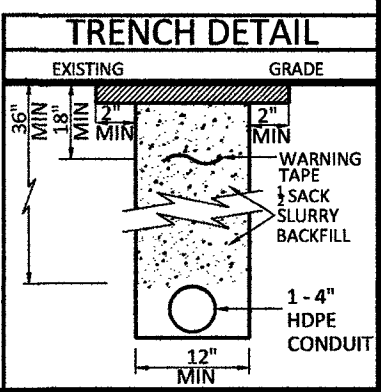
CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	6'
4" HDPE CONDUIT:	20'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	1
4' x 5' x 4' HANDHOLE(S):	-
HANDHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	943'
TRENCH:	20'
TOTAL NEW UG FOOTAGE:	20'
TOTAL FOOTAGE:	963'

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

MATCH TO STA. 81+00' SHEET 14 OF 41

MATCH TO STA. 196+50' SHEET 31 OF 41

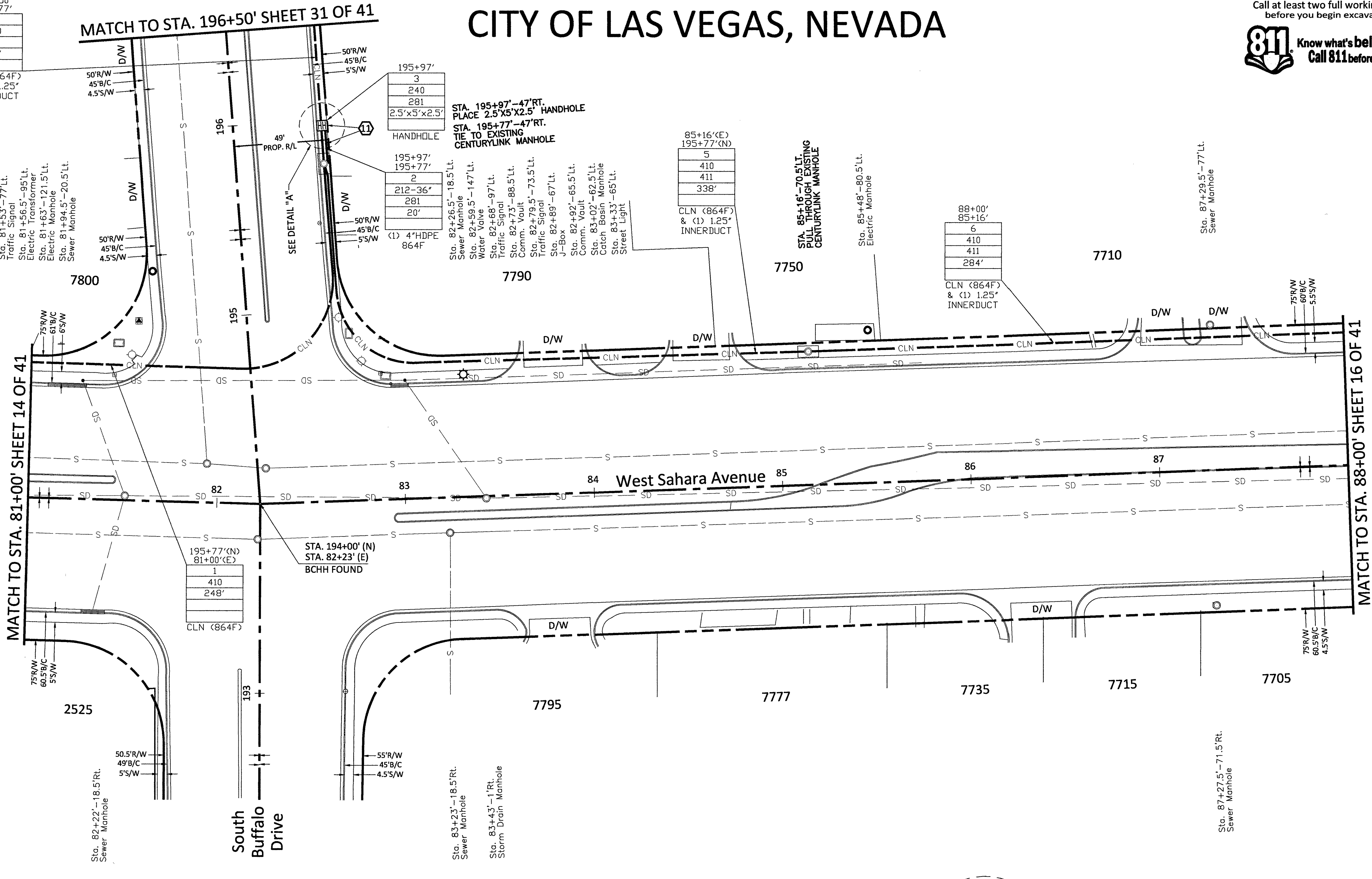
MATCH TO STA. 81+00' SHEET 14 OF 41

MATCH TO STA. 88+00' SHEET 16 OF 41

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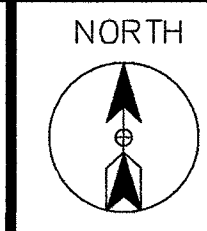
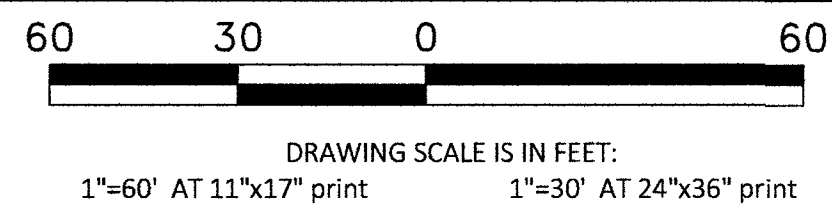
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CONSTRUCTION DRAWING

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:	34'
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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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SCALE

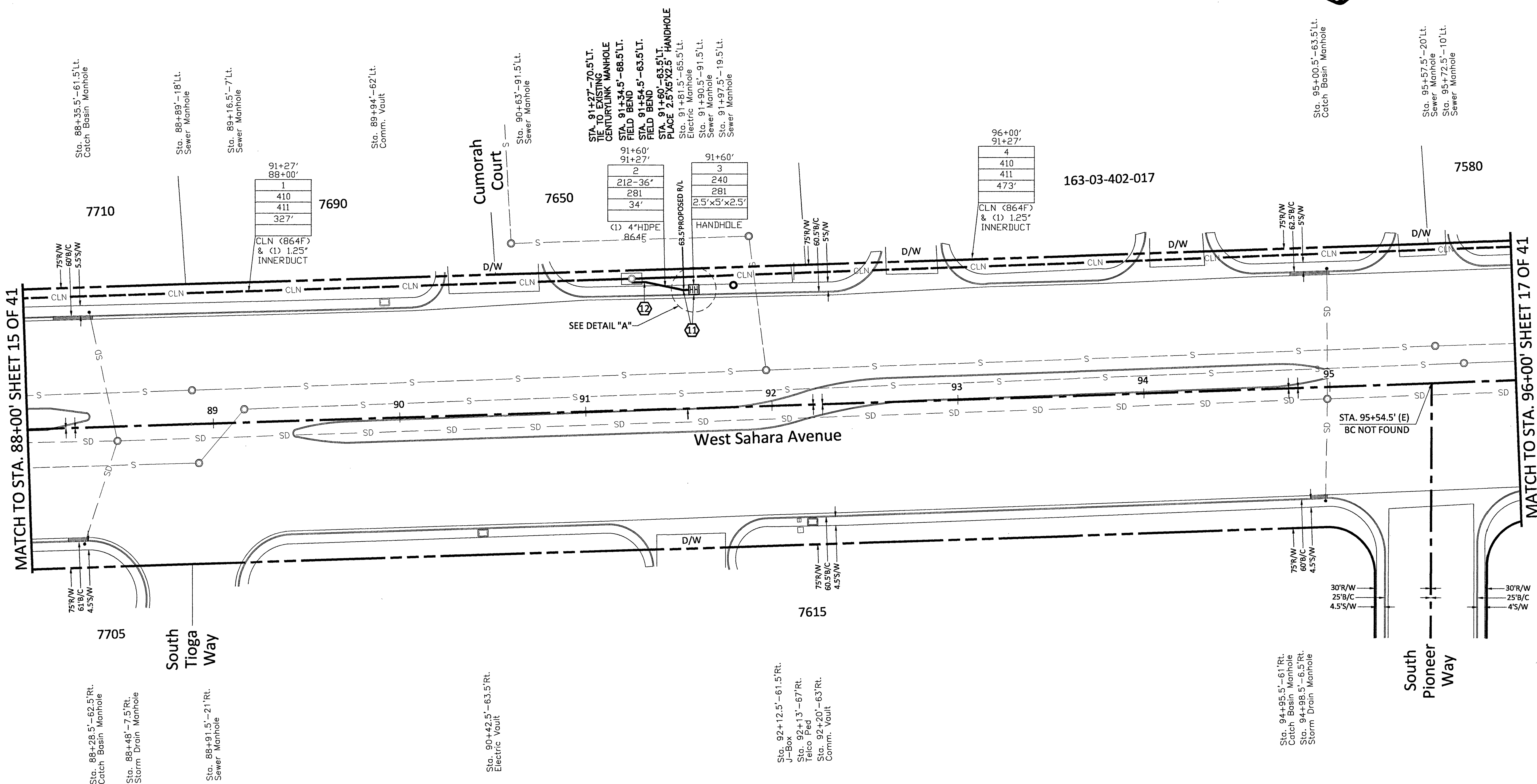
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 16 OF 41

FILE: LSV SAHARA RAINBOW & BACK HAUL



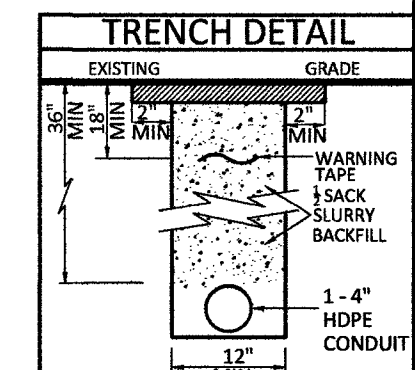
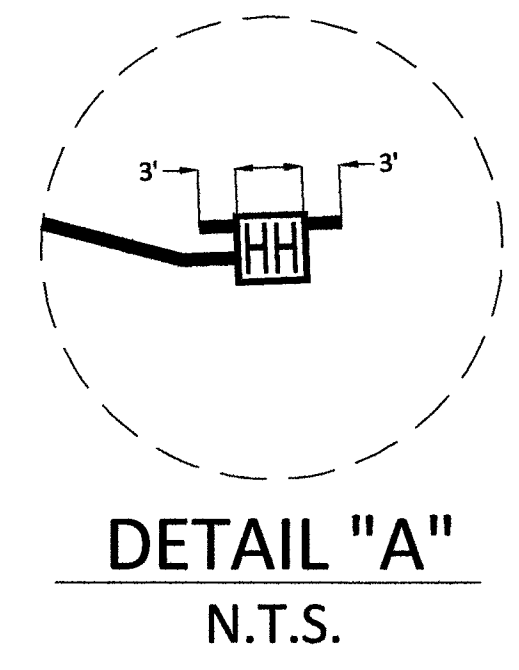
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11	234	SIDEWALK
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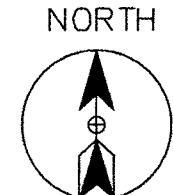
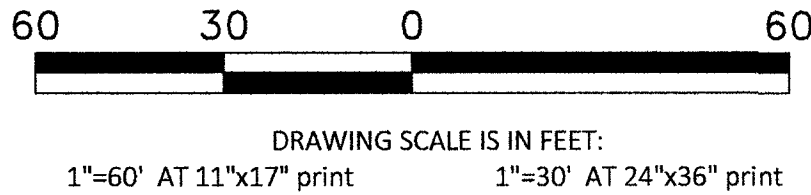
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- 630 DIRECTIONAL BORE



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

DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS

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SCALE

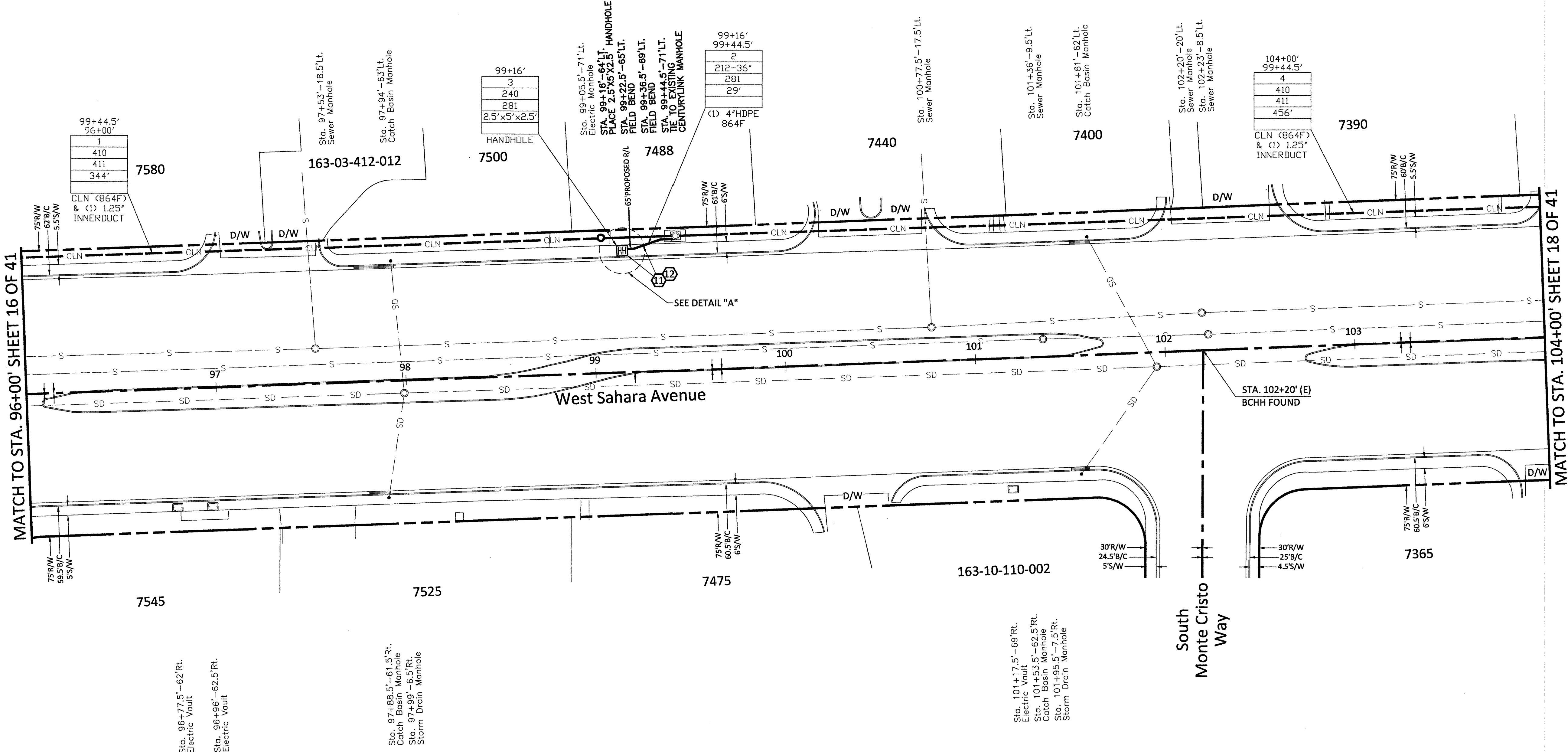
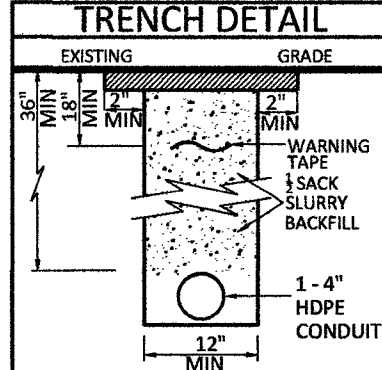
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 17 OF 41

FILE: BACK HAUL



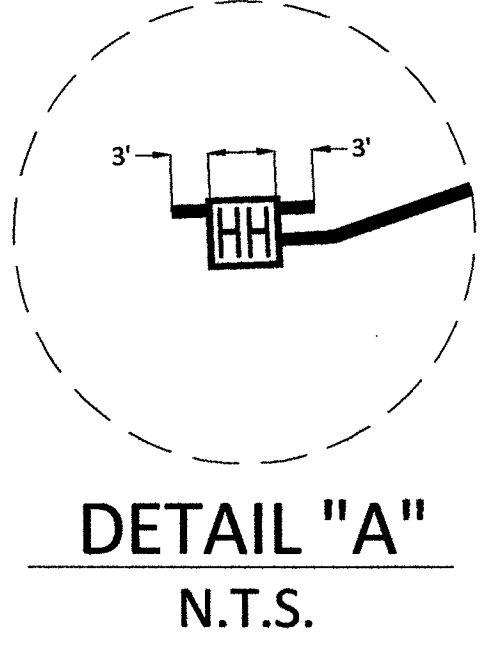
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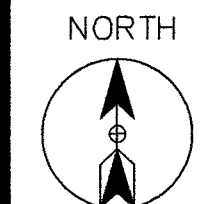
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CONSTRUCTION DRAWING

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, 911070, 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'

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 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

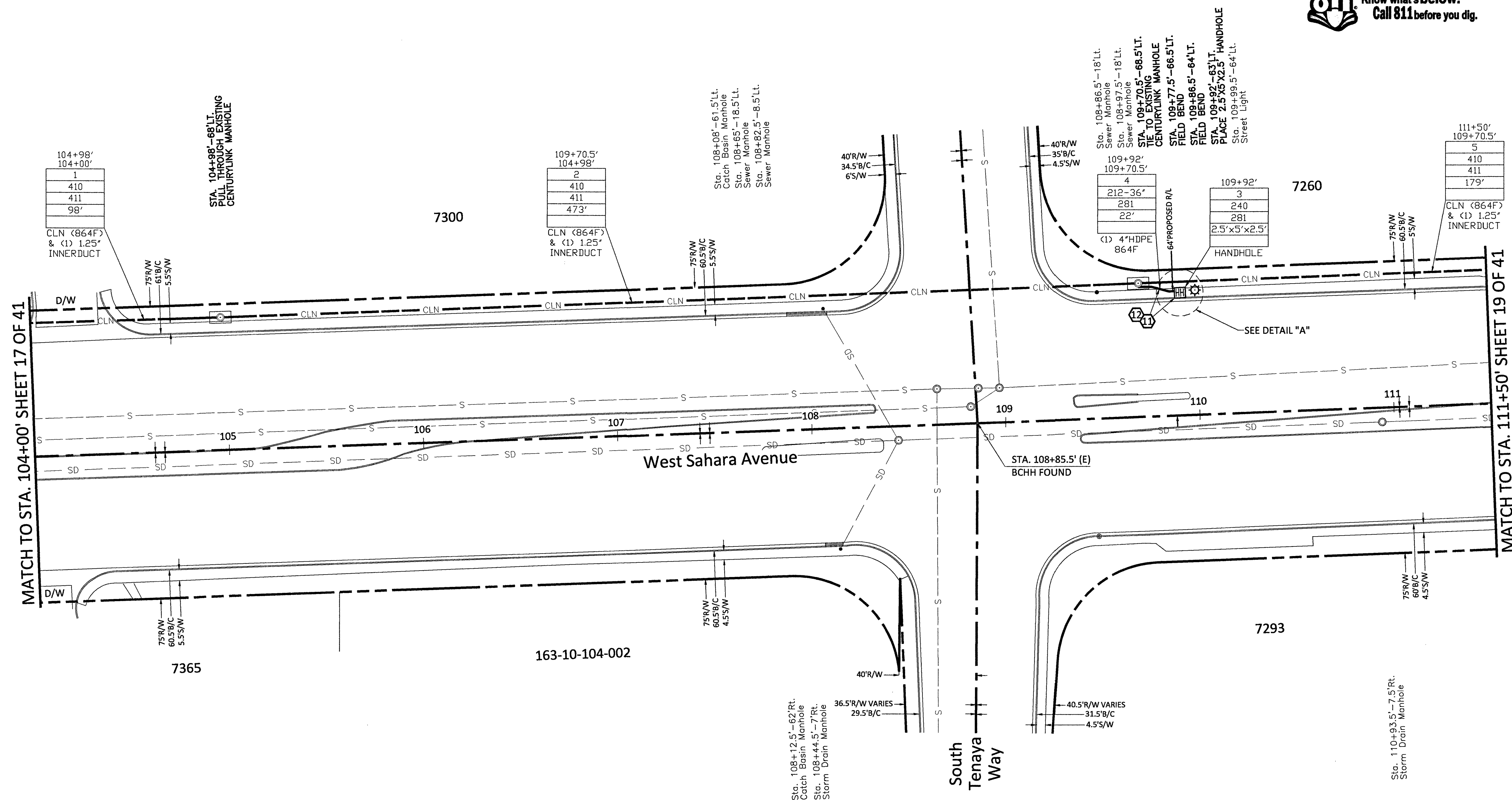
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 18 OF 41

FILE: BACK HAUL



RTC NOTES:

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

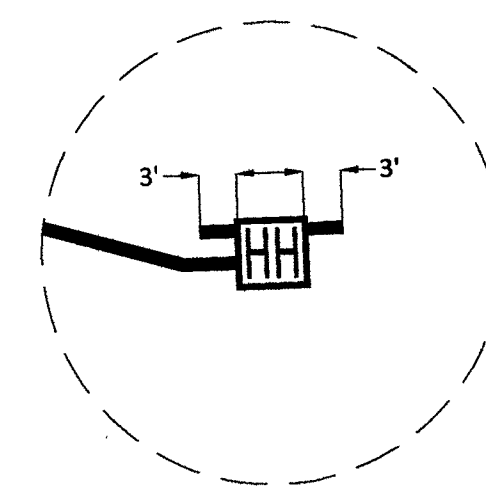
- 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
- 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
- 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT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

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

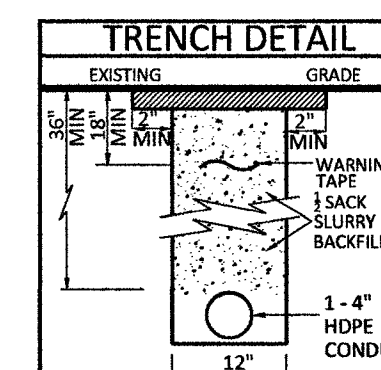
CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED

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

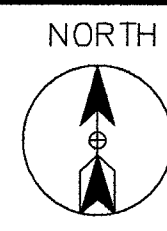
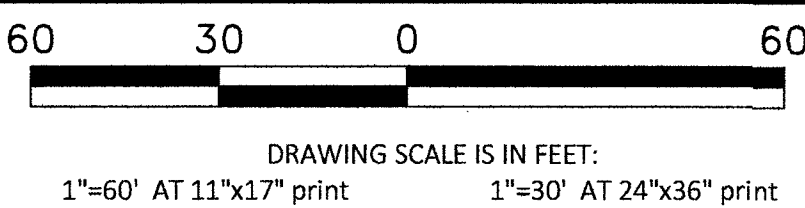
- 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 240 PLACE MANHOLE
- 250 PLACE MANHOLE
- 270 REMOVE AND RESTORE ASPHALT
- 280 REMOVE AND RESTORE CONCRETE
- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE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



DETAIL "A"
N.T.S.



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, 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:	-
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):	-
HANDHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	801'
TRENCH:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	801'

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

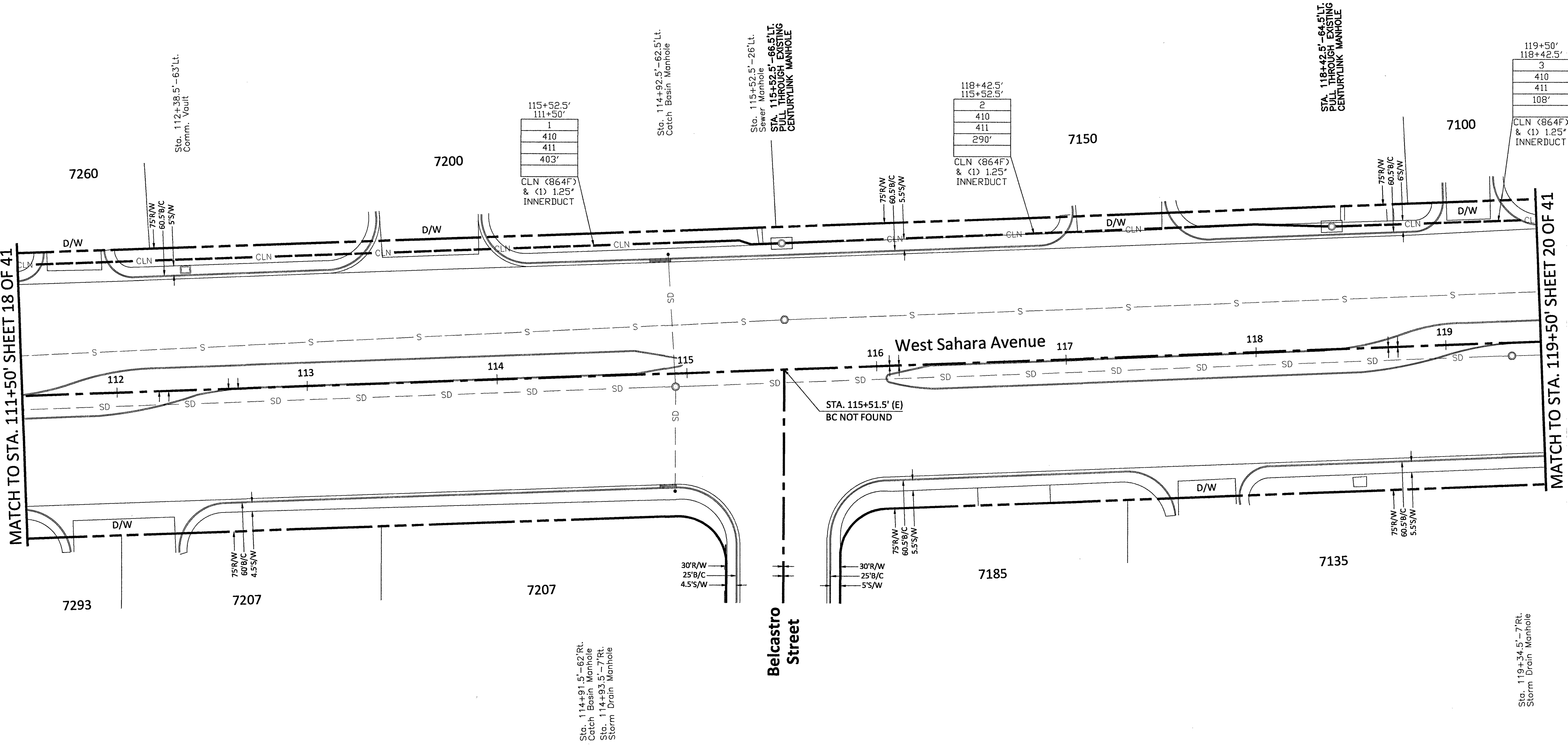
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 19 OF 41

FILE: LSV SAHARA RAINBOW & 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
501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W
501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W
503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
503.1 METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
503.2 METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
234 SIDEWALK
BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

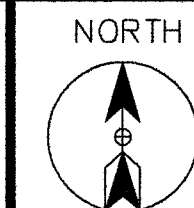
NOTE TO CONTRACTOR:
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CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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

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'

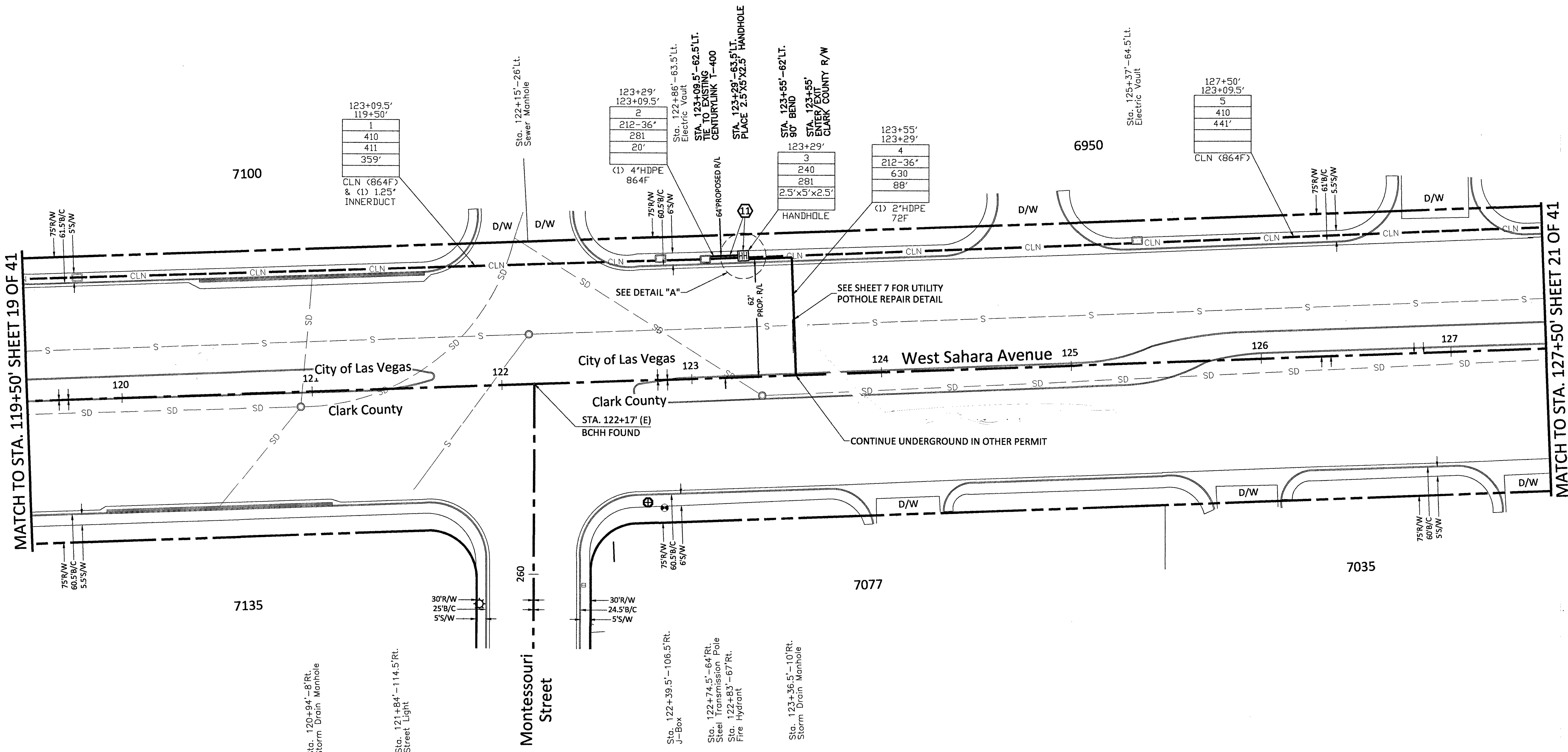
VERTICAL: NA

MP TO MP

SHEET 20 OF 41

LSV SAHARA RAINBOW &

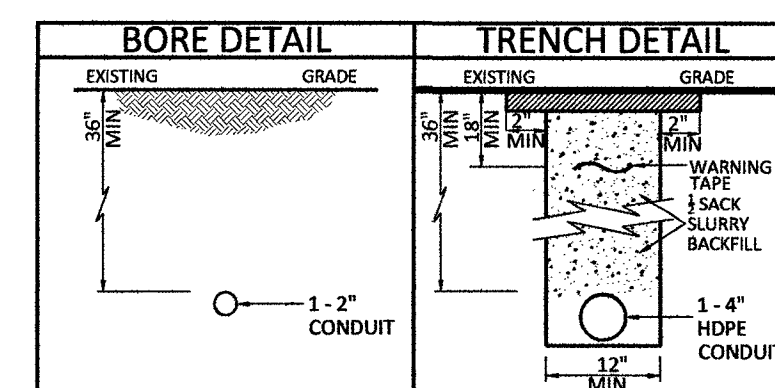
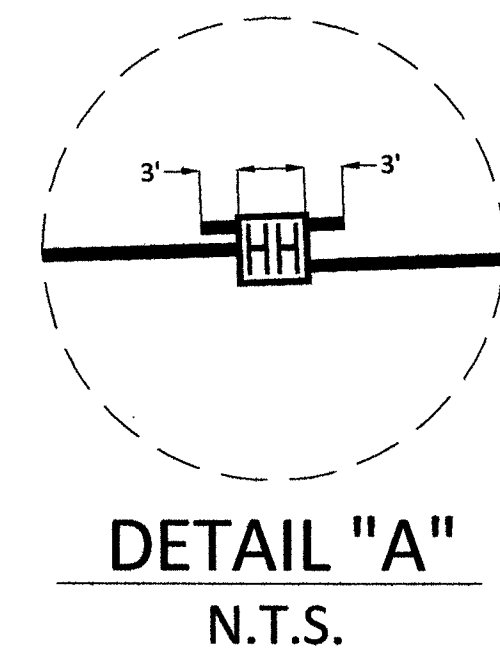
FILE: BACK HAUL



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)	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
- 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





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

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

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
-------------------	----------

SHEET TOTAL	
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]

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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:
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

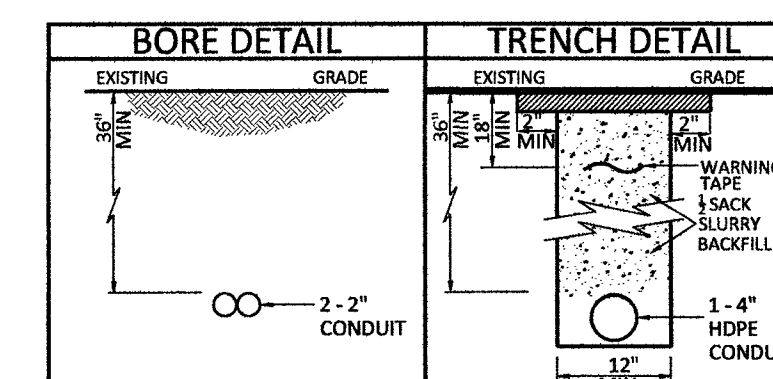
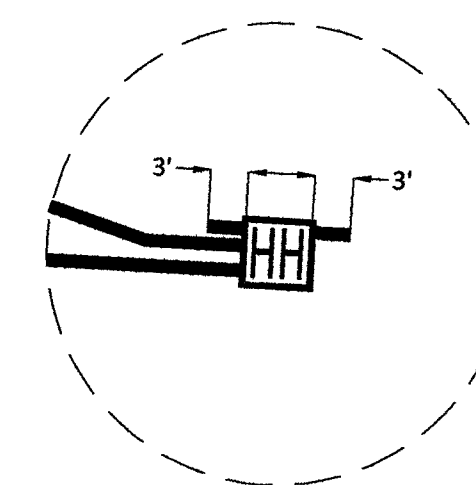
210 PLACE CONDUIT
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
240 PLACE HANDHOLE
250 PLACE MANHOLE
270 REMOVE AND RESTORE ASPHALT
280 REMOVE AND RESTORE CONCRETE
281 REMOVE AND RESTORE SIDEWALK
282 REMOVE AND RESTORE CURBING
410 PULL CABLE
411 PULL THROUGH DUCT (INNERDUCT)
520 PLACE AERIAL CABLE
630 DIRECTIONAL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

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

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

South
Rainbow
Boulevard
(SR 595)

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
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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: 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'

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

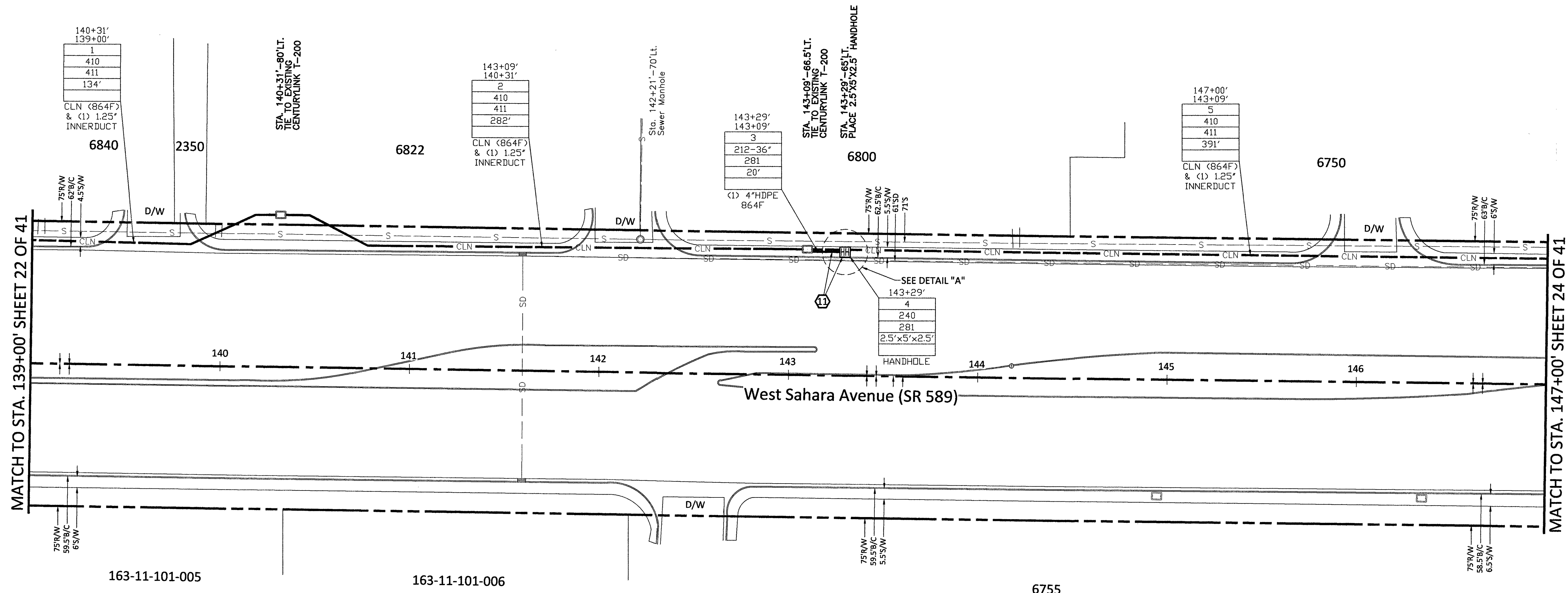
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

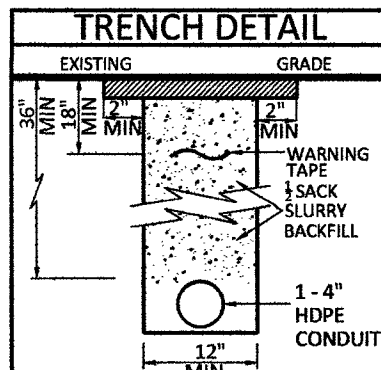
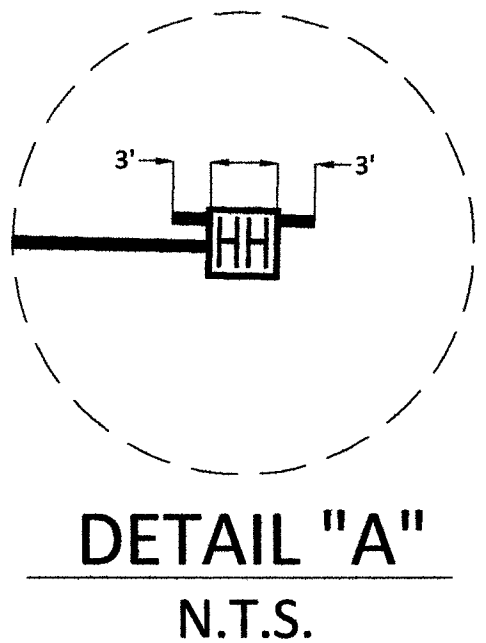
SHEET 23 OF 41

LSV SAHARA RAINBOW &
FILE: BACK HAUL



Sta. 144+95' - 61.5' R.
Comm. Vault

Sta. 146+35' - 61' R.
Comm. Vault



RTC NOTES:

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

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- 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.

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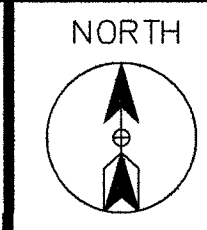
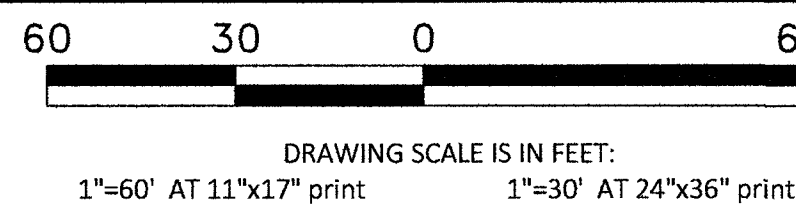
CONTRACTOR TO PLACE LOCATE WIRE AND
MULE TAPE IN ALL CONDUIT PLACED

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 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



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

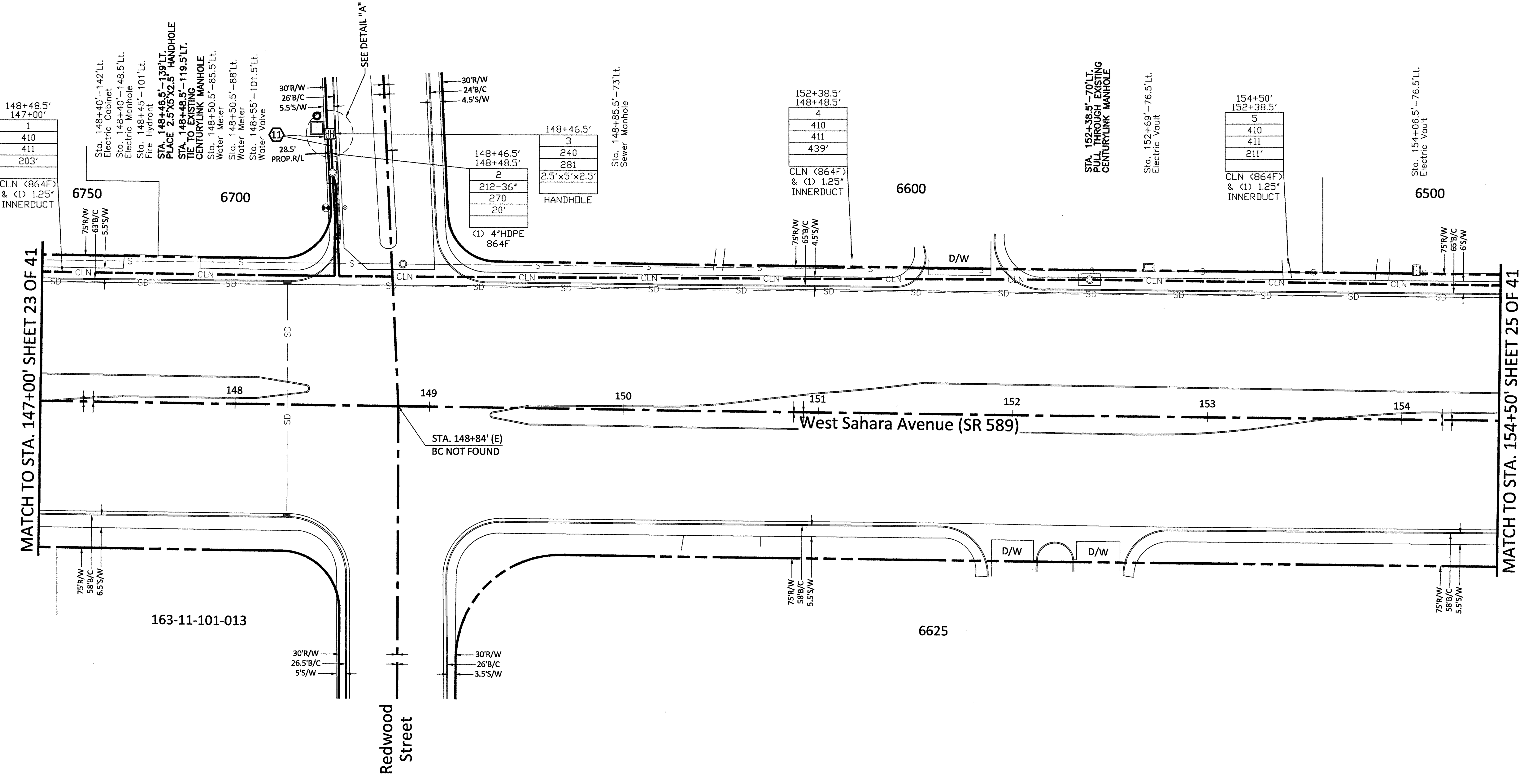
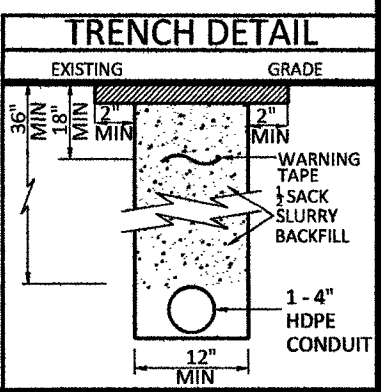
CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	6'
4" HDPE CONDUIT:	20'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	1
4' x 5' x 4' HANDHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	853'
TRENCH:	20'
TOTAL NEW UG FOOTAGE:	20'
TOTAL FOOTAGE:	873'

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

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 24	OF 41
FILE:	LSV SAHARA RAINBOW & BACK HAUL



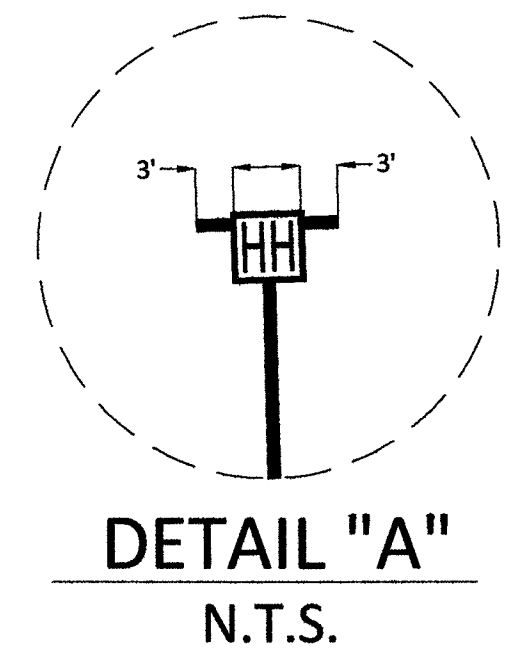
RTC NOTES:	
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS	
(1)	500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
(2)	500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
(3)	500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' 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.

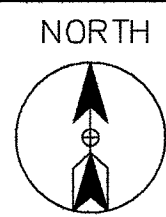
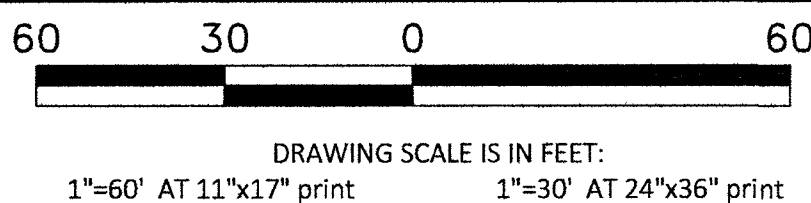
CONTRACTOR TO PLACE LOCATE WIRE AND
MULE TAPE IN ALL CONDUIT PLACED

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



CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



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



Know what's below.
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PROJECT: 911043, 911044, 911045, 911046, 911047,
911048, 911049, 911052, 911053, 911089, 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: -

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

EXCEPT AS MAY BE OTHERWISE PROVIDED BY
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COMMUNICATIONS SERVICES, INC. BOTH BEING
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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
UNIFORM STANDARD DRAWINGS

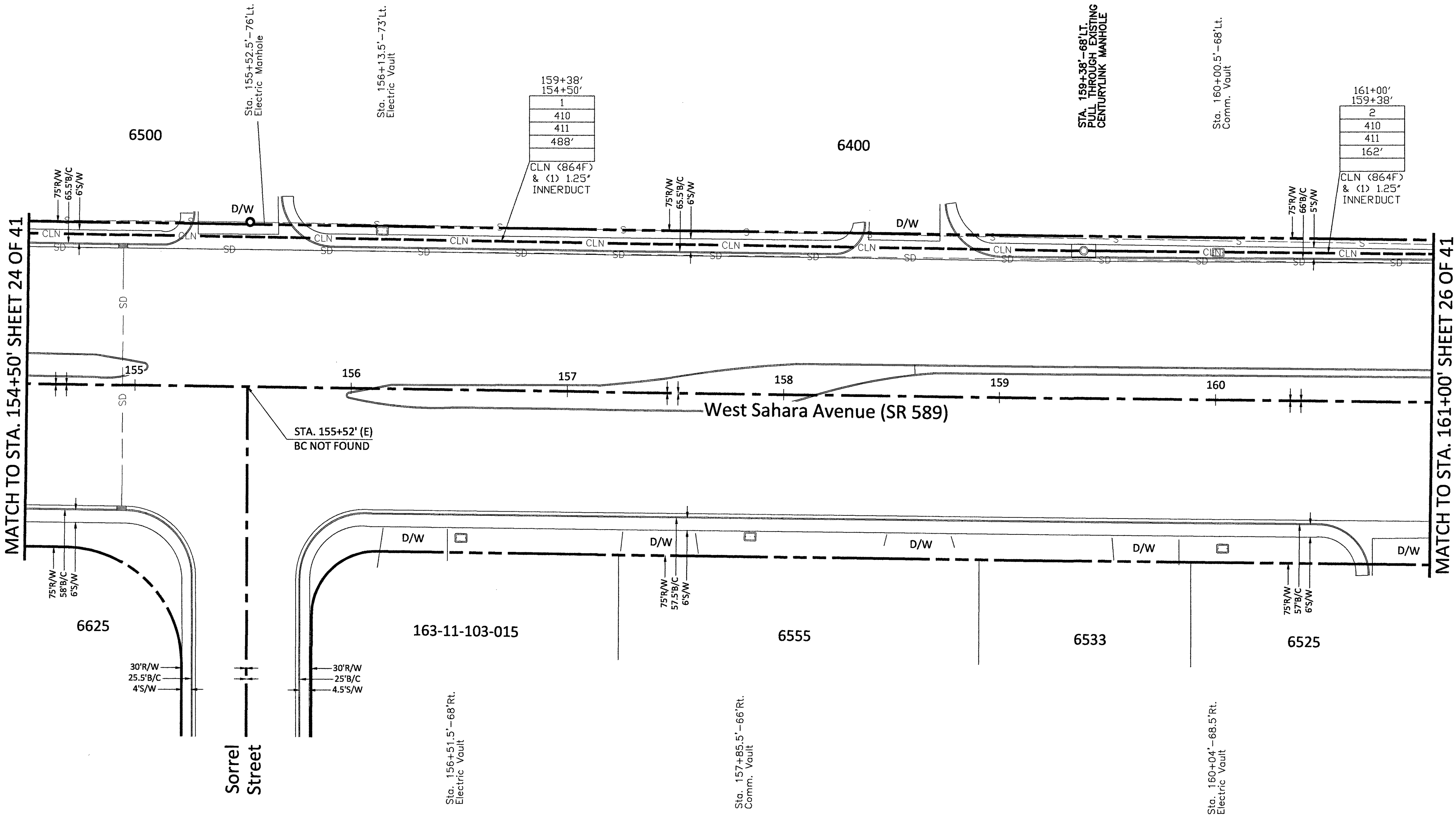
- 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
- 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
- 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT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

NOTE TO CONTRACTOR:
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UTILITIES PRIOR TO STARTING CONSTRUCTION.

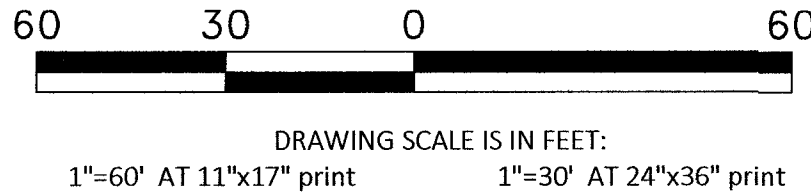
CONTRACTOR TO PLACE LOCATE WIRE AND
MULE TAPE IN ALL CONDUIT PLACED

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

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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
REV. 12-20-18
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:	762'
TRENCH:	20'
TOTAL NEW UG FOOTAGE:	20'
TOTAL FOOTAGE:	782'

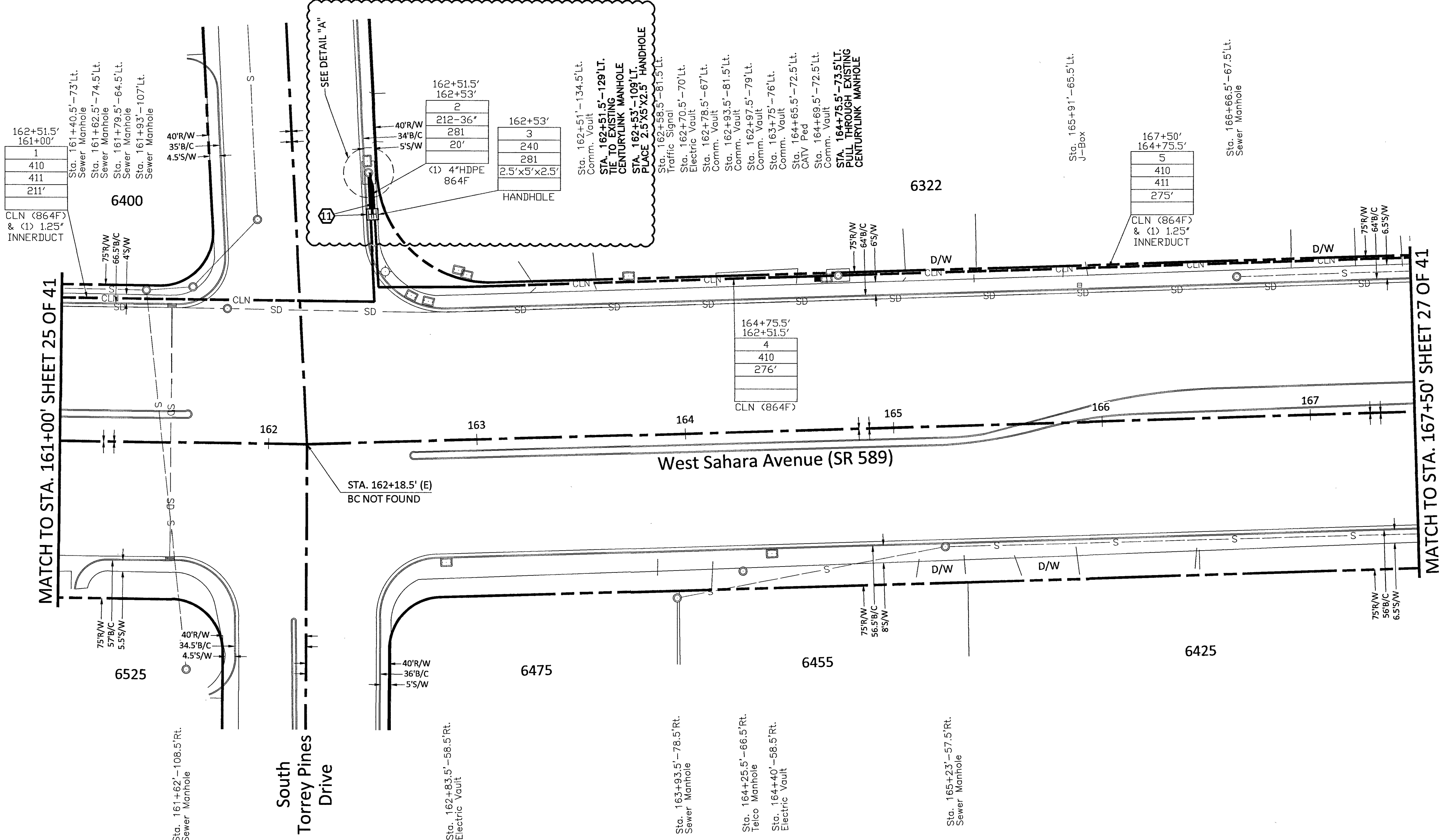
MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV SAHARA
RAINBOW/BACK HAUL REV. 12-20-18

DATE: 12/20/2018
DRAWN BY: JJAMES

REVISIONS		
DATE	DESCRIPTION	INITIAL
12-20-18	Adjusted footage totals Sheet 3, moved HH & adjusted footages Sheet 26, removed HH & adjusted footages Sheet 33, adjusted footage totals Sheet 37, adjusted schematic & footage totals sheets 40 & 41	JJ
	RK 3 20 19	

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 27	OF 41
FILE:	LSV SAHARA RAINBOW & BACK HAUL - REV.12-20-18



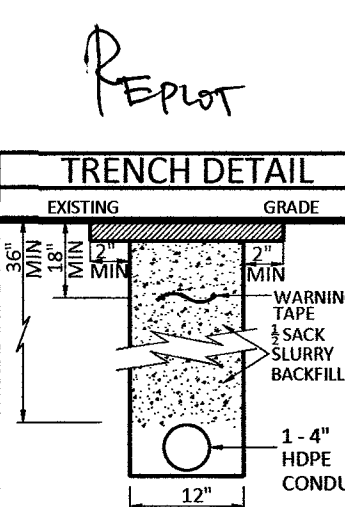
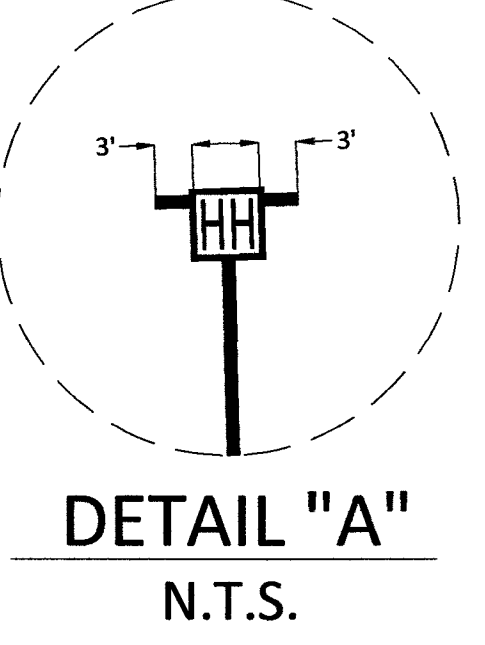
RTC NOTES:

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 TRANSVERSE 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 TRANSVERSE 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.

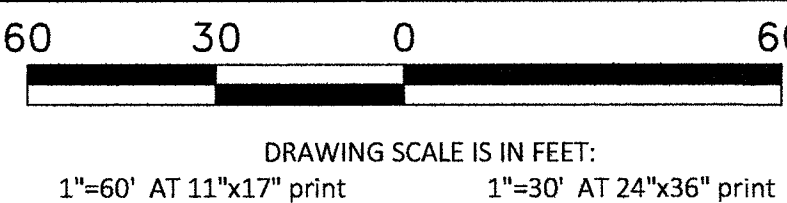
NOTE TO CONTRACTOR:
CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES PRIOR TO STARTING CONSTRUCTION.
CONTRACTOR TO PLACE LOCATE WIRE AND MULE TAPE IN ALL CONDUIT PLACED
CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

- 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



L18-02330-P001
107V 7487-F1B

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



Call at least two full working days
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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, 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

EXCEPT AS MAY BE OTHERWISE PROVIDED BY
CONTRACT, THESE DRAWINGS AND SPECIFICATIONS
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SCALE

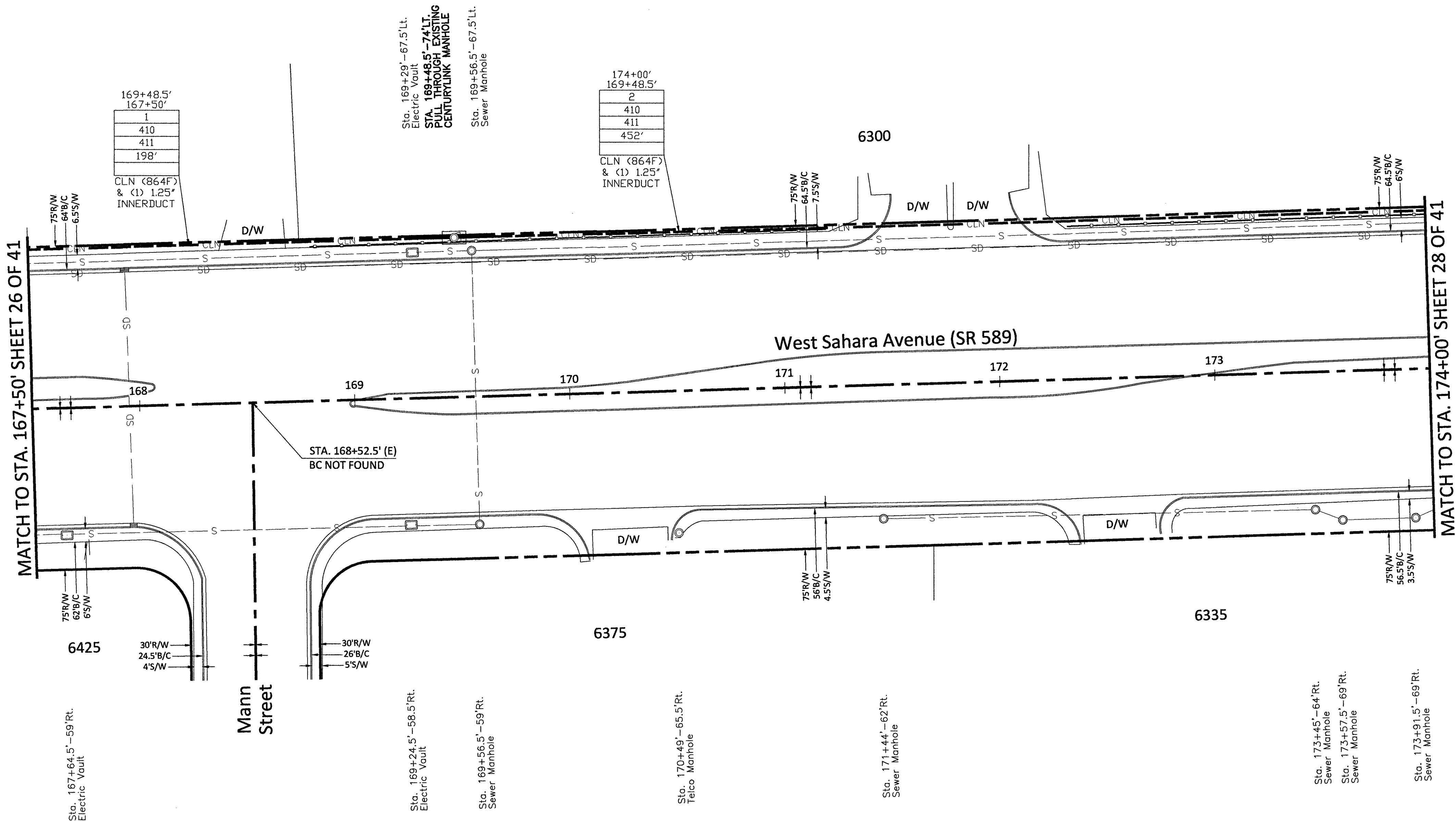
HORIZONTAL: 1"=30'

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
- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS
- 501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W
- 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W
- 503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
- 503.1 METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
- 503.2 METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
- 234 SIDEWALK
- BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

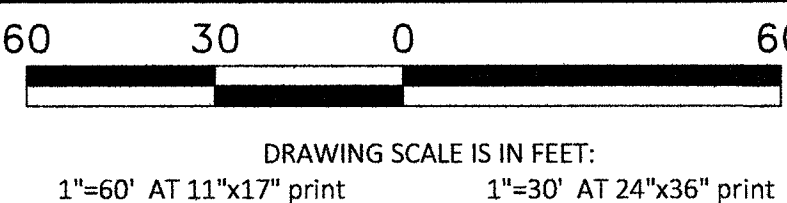
NOTE TO CONTRACTOR:
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CONTRACTOR TO PLACE CONDUIT IN
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LOCATION

- 210 PLACE CONDUIT
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- 280 REMOVE AND RESTORE CONCRETE
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- 282 REMOVE AND RESTORE CURBING
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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
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Know what's below.
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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:	650'
TRENCH:	27'
TOTAL NEW UG FOOTAGE:	27'
TOTAL FOOTAGE:	677'

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

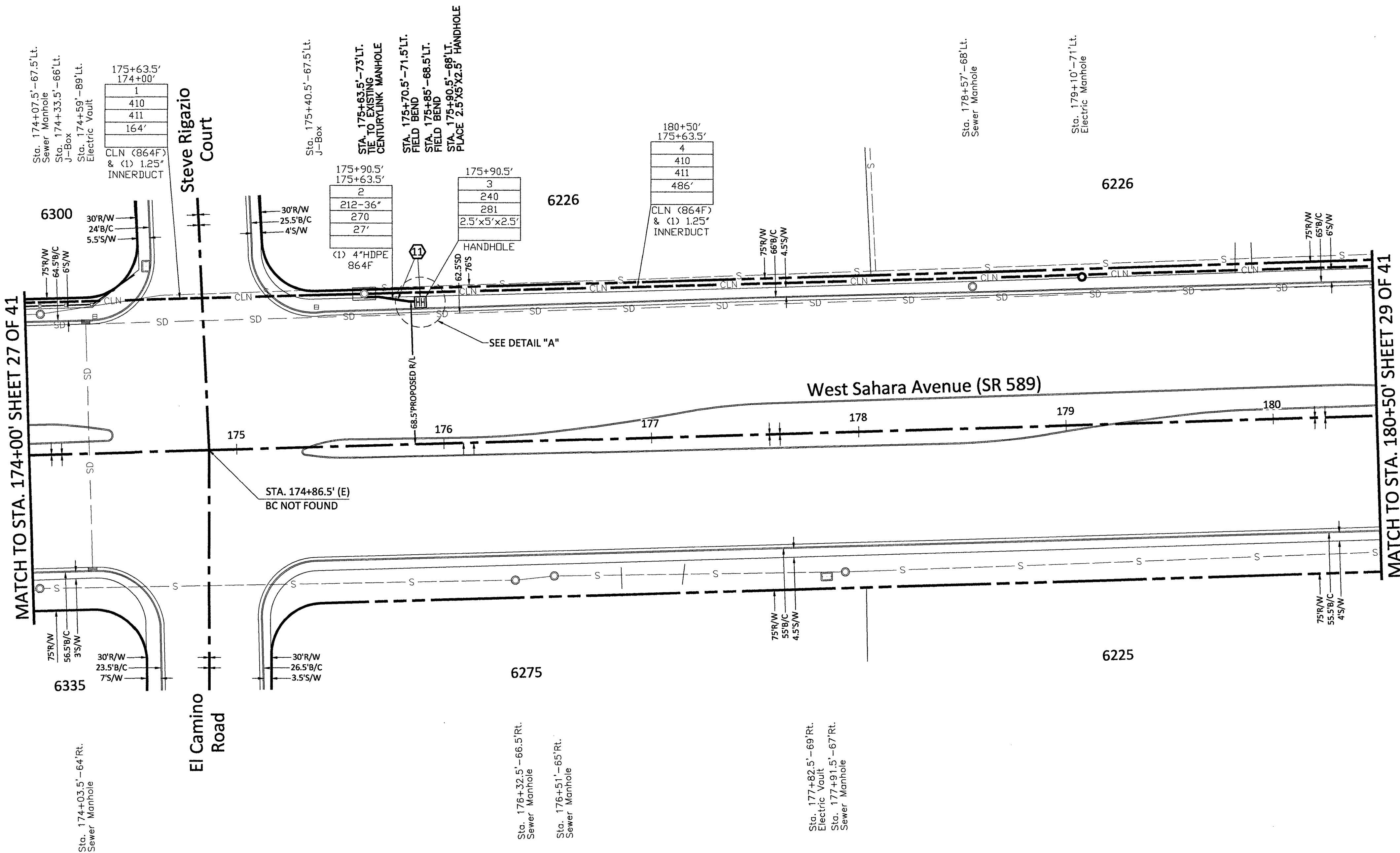
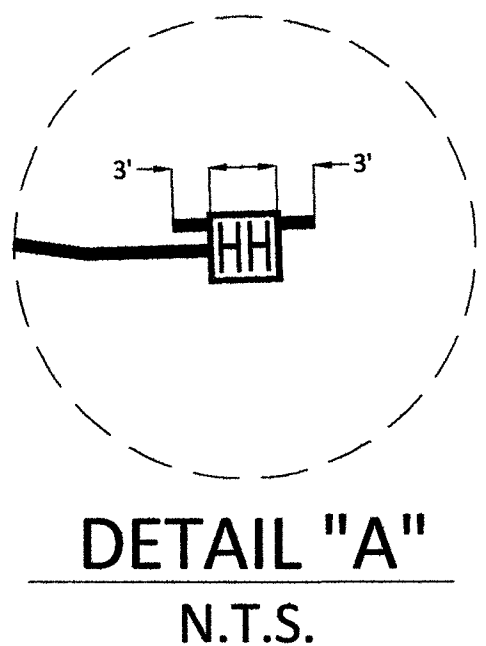
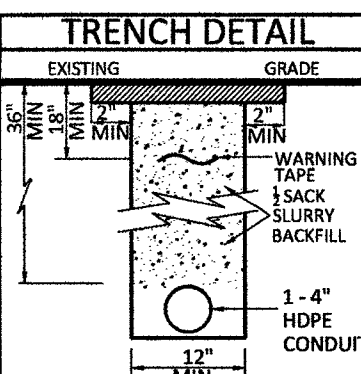
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 28 OF 41

FILE: LSV SAHARA RAINBOW &
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
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- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS
- 501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W
- 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W
- 503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
- 503.1 METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
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- 234 SIDEWALK
- BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

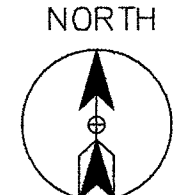
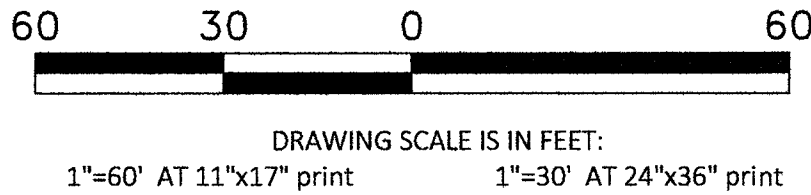
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- 630 DIRECTIONAL BORE

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:	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

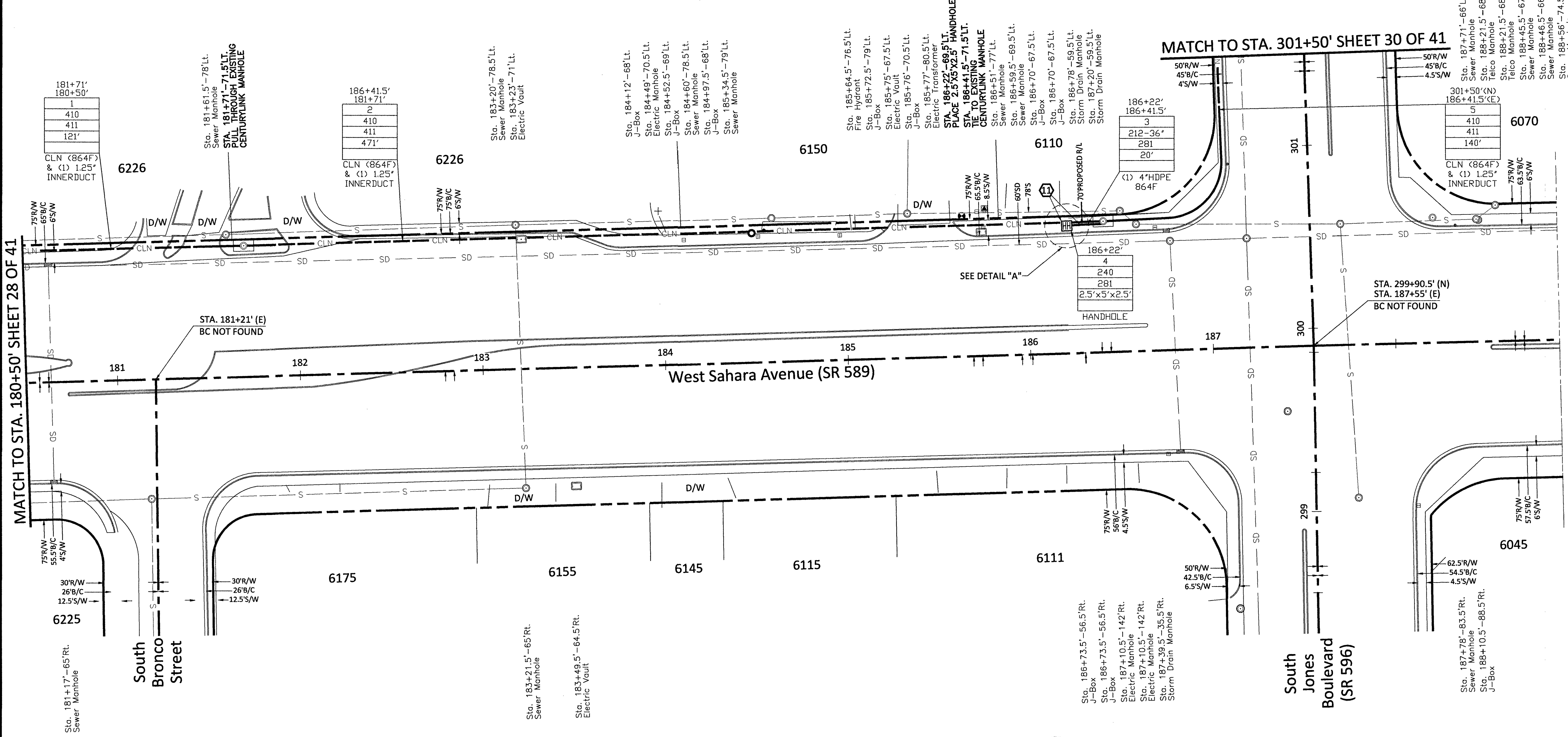
DATE: 9/21/2018

DRAWN BY: JJAMES

REVISIONS	
DATE	INITIAL

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.

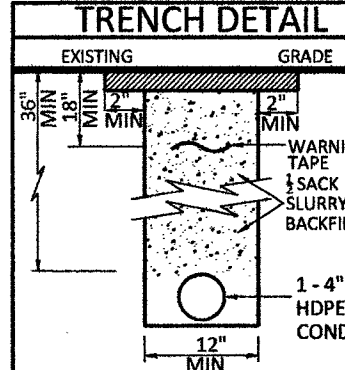
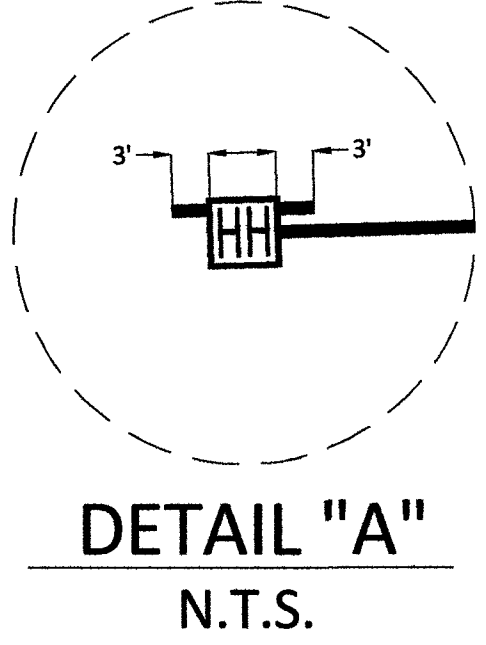
SCALE	
HORIZONTAL:	1"=30'
VERTICAL:	NA
MP	TO MP
SHEET 29	OF 41
FILE:	LSV SAHARA RAINBOW & BACK HAUL



RTC NOTES:	
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS	
1	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:
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

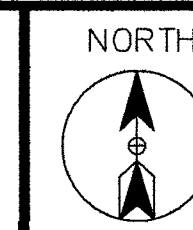
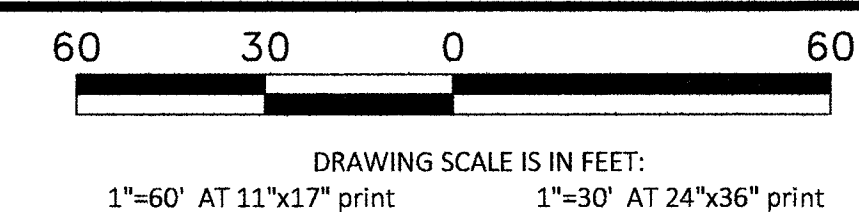


3/

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.

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:	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

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 31 OF 41

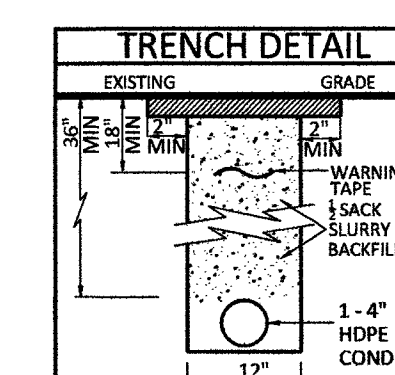
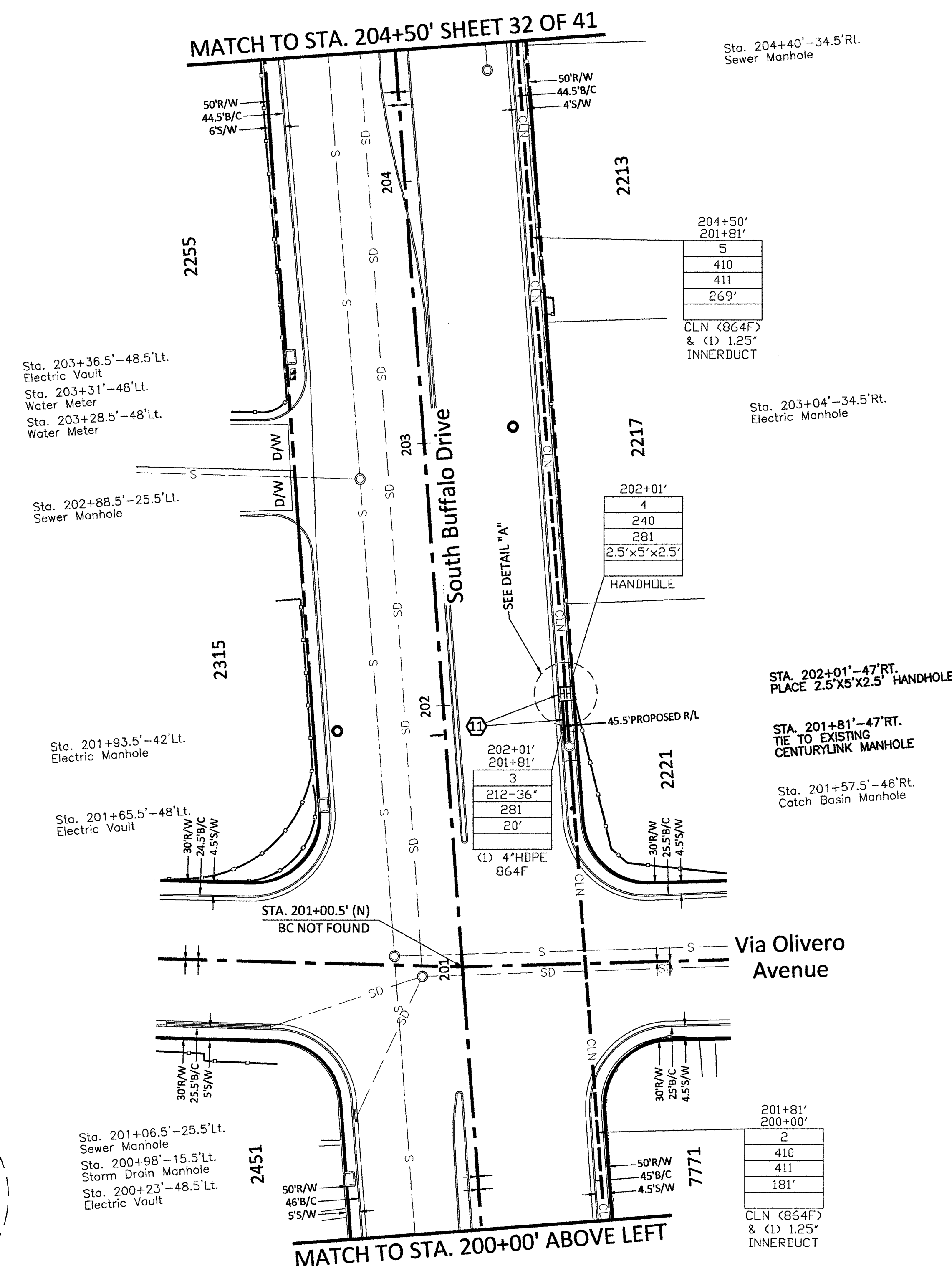
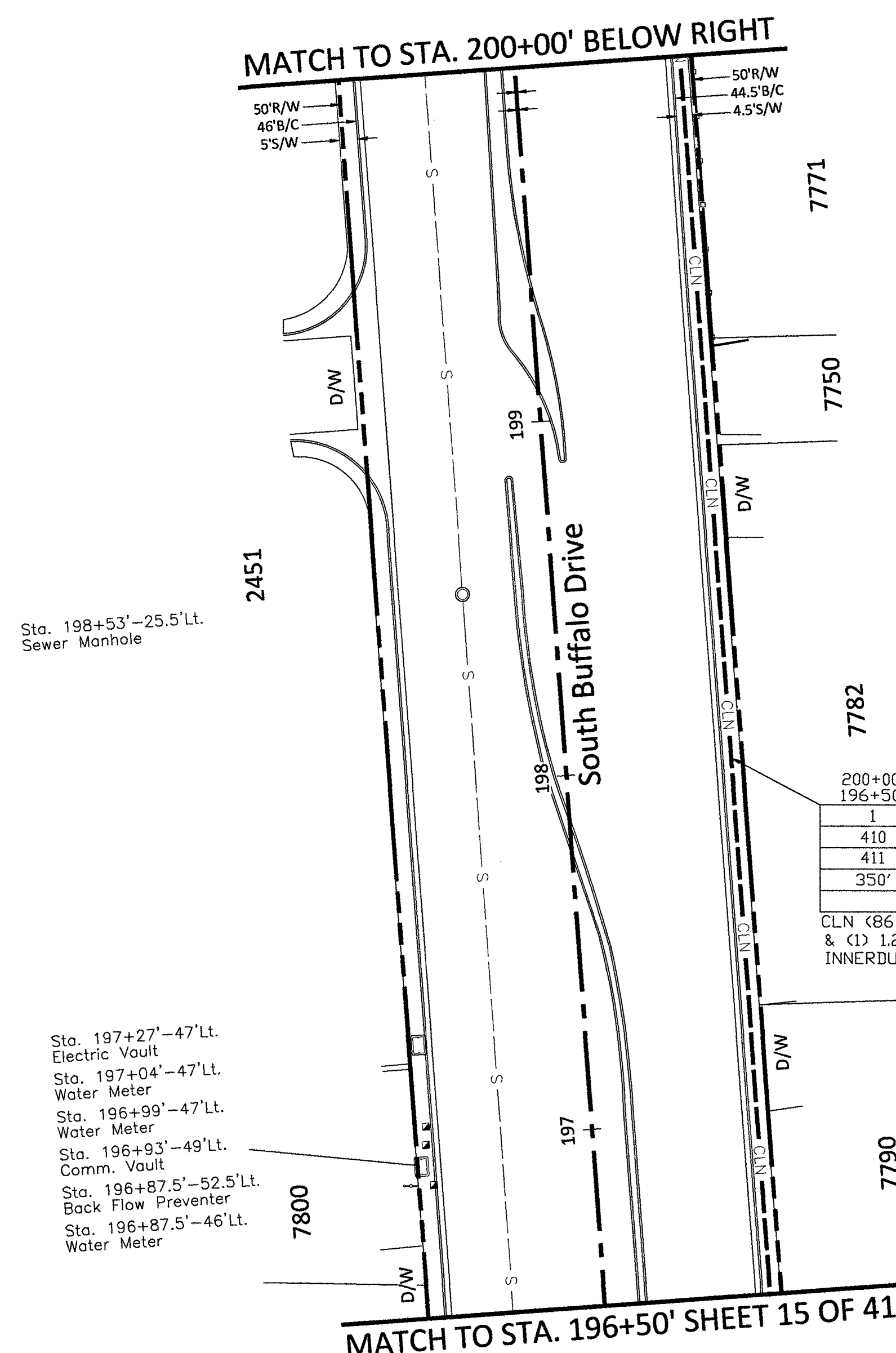
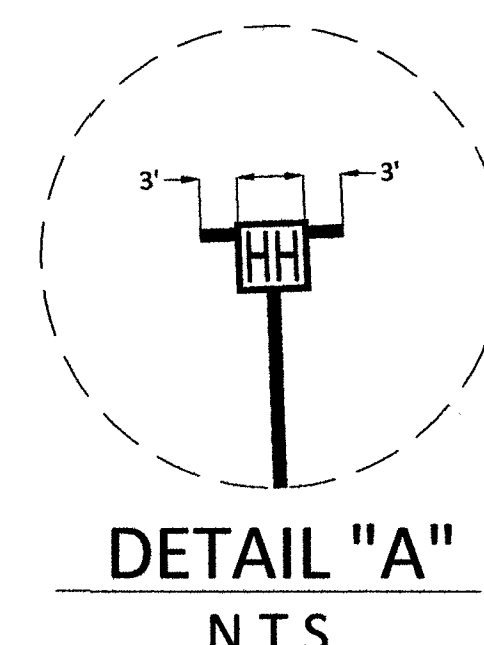
FILE: LSV SAHARA RAINBOW & BACK HAUL

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.

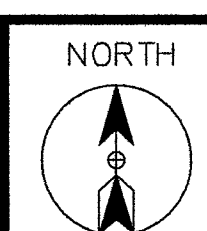
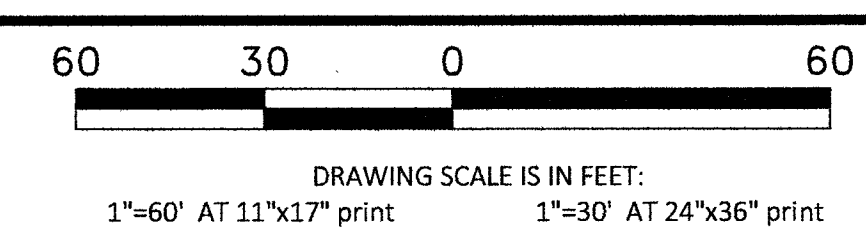
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- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 410 PULL CABLE
- 411 PULL THROUGH DUCT (INNERDUCT)
- 520 PLACE AERIAL CABLE
- 630 DIRECTIONAL BORE

CONSTRUCTION DRAWING CITY OF LAS VEGAS, NEVADA



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



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

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

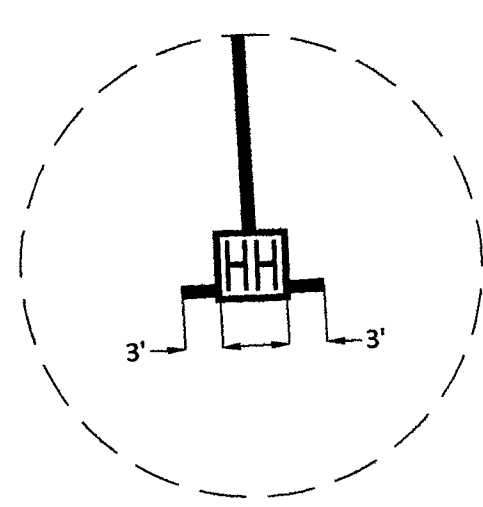
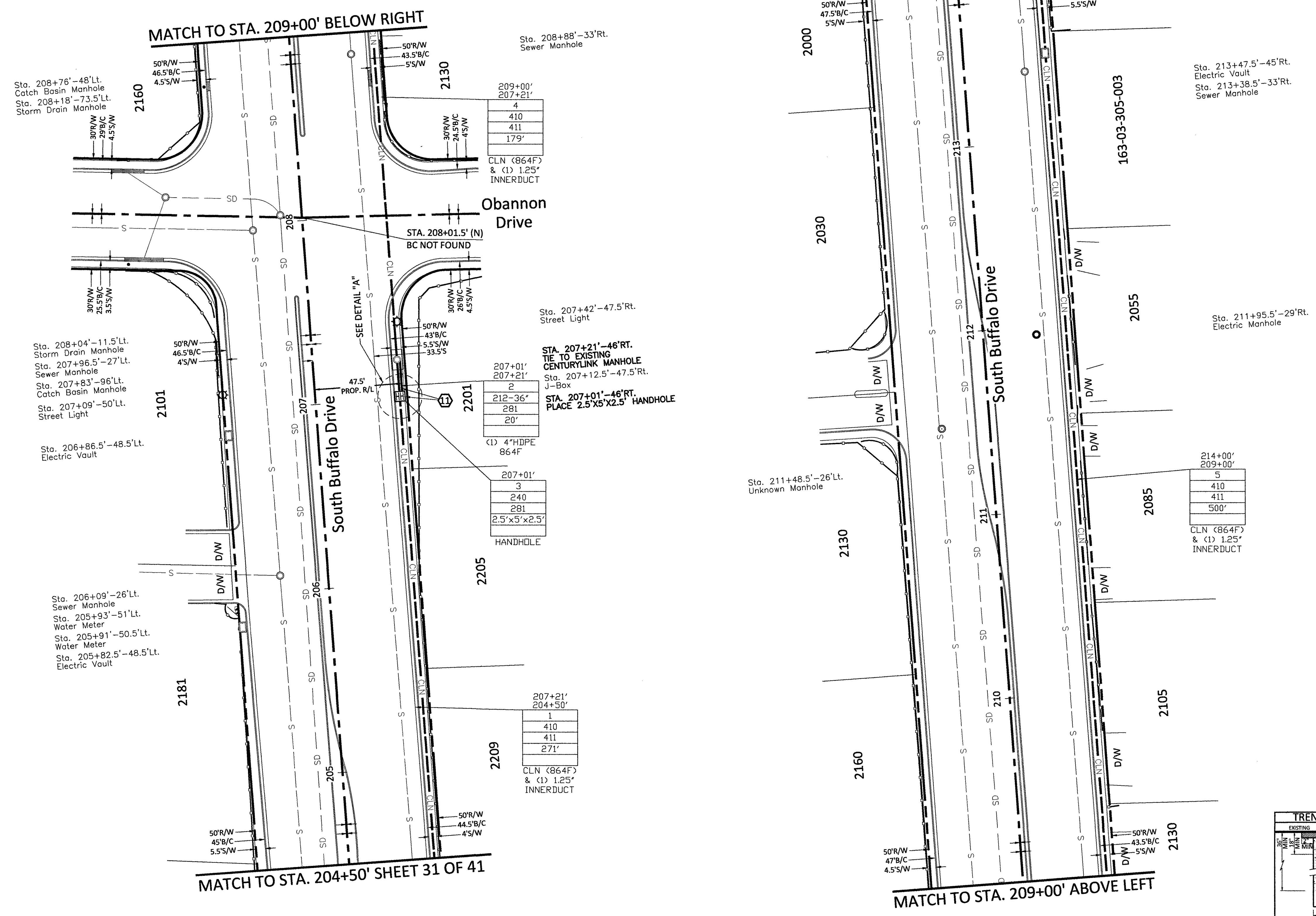
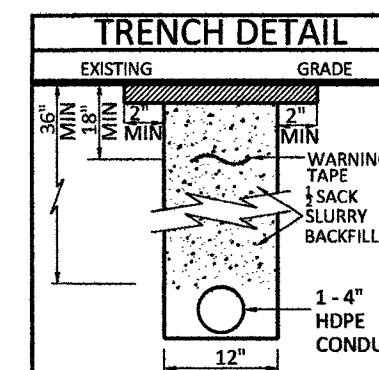
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 32 OF 41

FILE: BACK HAUL



DETAIL "A" N.T.S.

RTC NOTES:

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

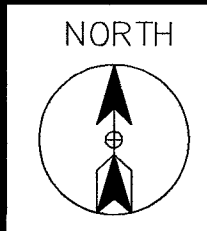
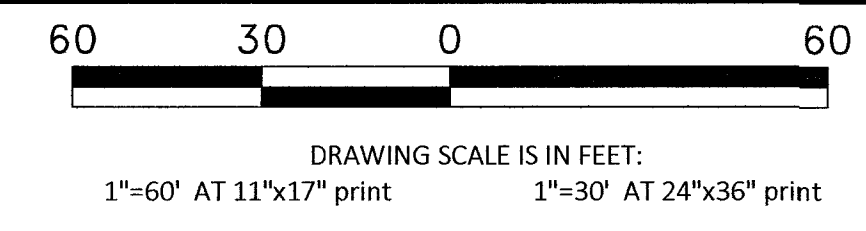
500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
500.2	0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
500.3	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
500.4	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
500.5	OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS
501	TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W
501.1	TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W
503	METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
503.1	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
503.2	METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
234	SIDEWALK
234	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.



Sta. 223+45'-48.5' Rt. Electric Transformer
Sta. 223+30'-44' Rt. Comm. Vault

STA. 222+98.5'-44' RT. PULL THROUGH EXISTING CENTURYLINK MANHOLE
Sta. 222+90.5'-46' Rt. Comm. Vault
Sta. 222+79'-45.5' Rt. Power Supply
Sta. 222+69'-43.5' Rt. J-Box
Sta. 222+56.5'-45.5' Rt. J-Box
Sta. 222+53.5'-54.5' Rt. Traffic Signal
Sta. 222+53'-46' Rt. J-Box
Sta. 222+51'-47.5' Rt. J-Box
Sta. 222+31' Rt. Sewer Manhole

PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911058, 911059, 911060, 911061, 911062, 911063, 911064, 911065, 911066, 911067, 911068, 911069, 911103, 911104, 911102, 911103, 911111, 911112, 911113, 911114

CELL SITE: LSV SAHARA RAINBOW/BACK HAUL REV. 12-20-18
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):	2
4' x 5' x 4' HANDHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZV 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 REV. 12-20-18

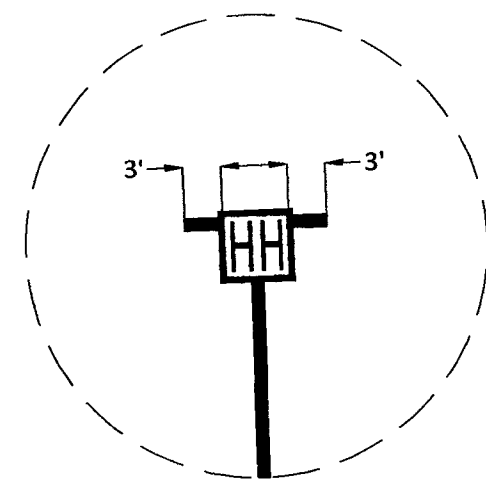
DATE: 12/20/2018
DRAWN BY: JJAMES

REVISIONS		
DATE	DESCRIPTION	INITIAL
12-20-18	Adjusted footage totals Sheet 3, moved HH & adjusted footages Sheet 26, removed HH & adjusted footages Sheet 33, adjusted footage totals Sheet 37, adjusted schematic & footage totals sheets 40 & 41	JJ
	PK 3 20 19	

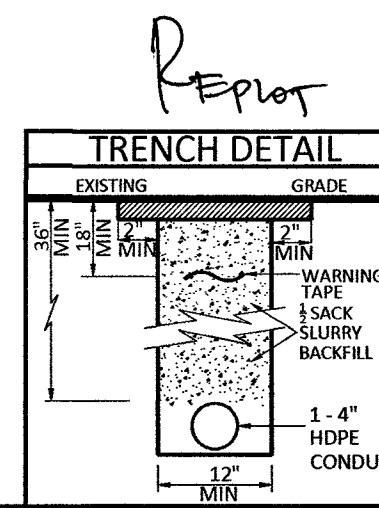
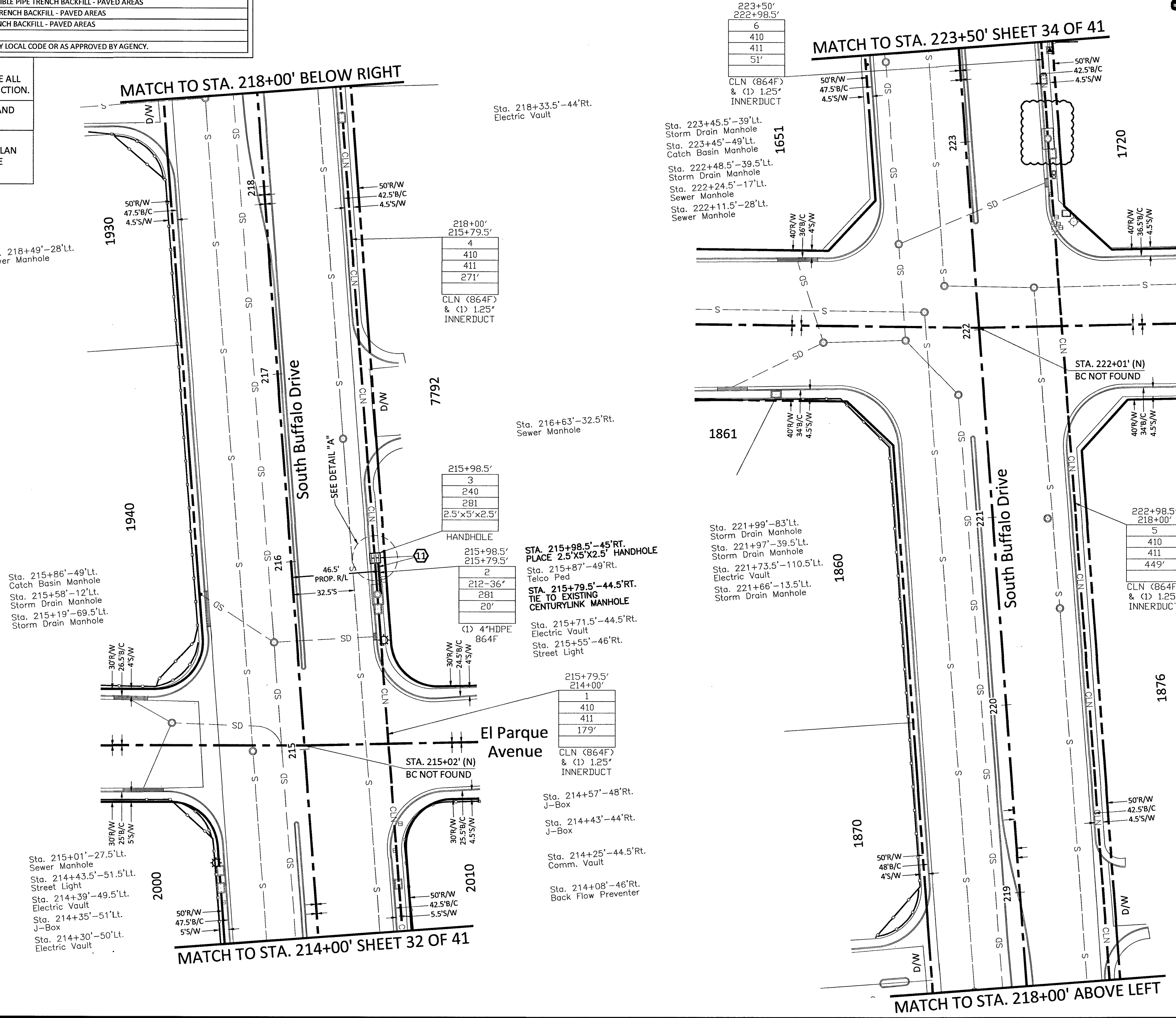
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SCALE

HORIZONTAL:	1"=30'
VERTICAL:	NA
MP	TO MP
SHEET 34	OF 41
FILE: LSV SAHARA RAINBOW & BACK HAUL - REV.12-20-18	



DETAIL "A"
N.T.S.



L 18-02330-R001
100V/7487-FIB

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
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- (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
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- 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

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

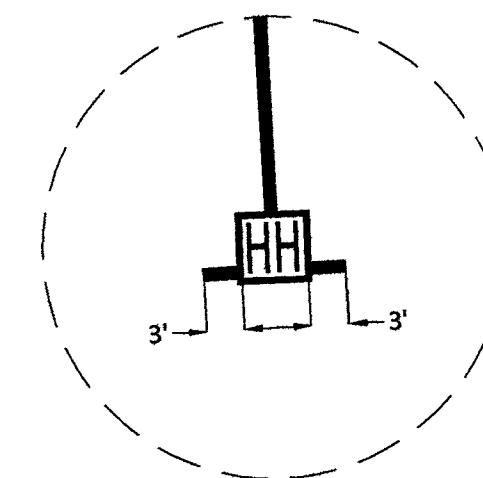
Call at least two full working days
before you begin excavation.



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

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

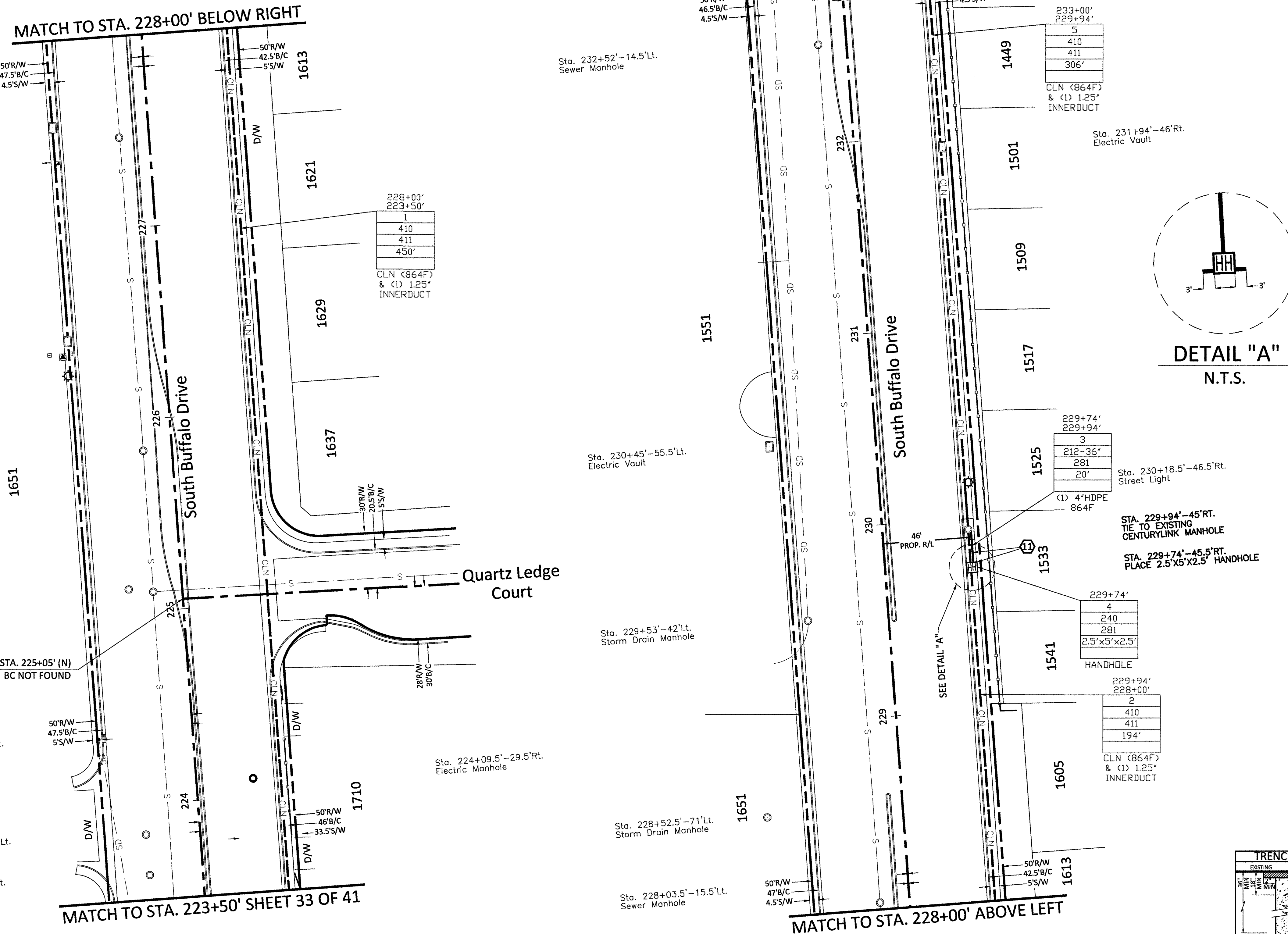
Sta. 231+94'-46'Rt.
Electric Vault



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

EXCEPT AS MAY BE OTHERWISE PROVIDED BY
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REPRODUCED, COPIED, OR USED FOR ANY PURPOSE
WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

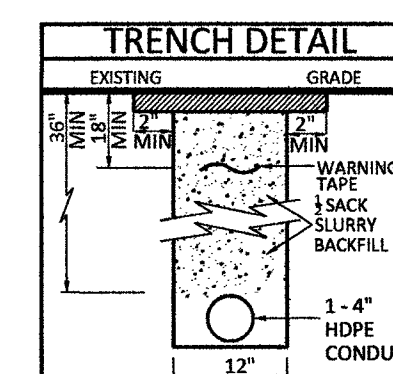
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 34 OF 41

FILE: BACK HAUL



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

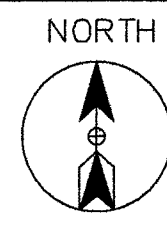
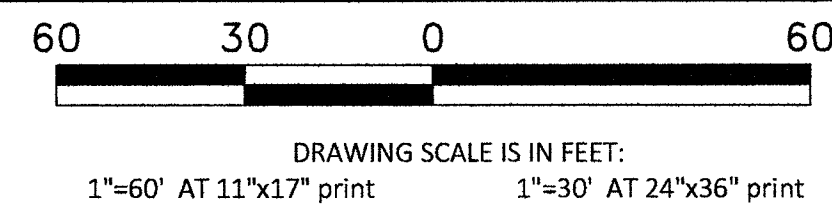
(1)	500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
(2)	500.2	0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
(3)	500.3	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
(4)	500.4	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
(5)	500.5	OVER 5 YEARS 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.



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):	-
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

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

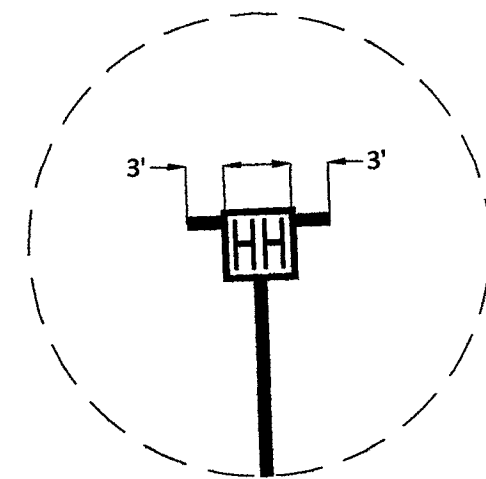
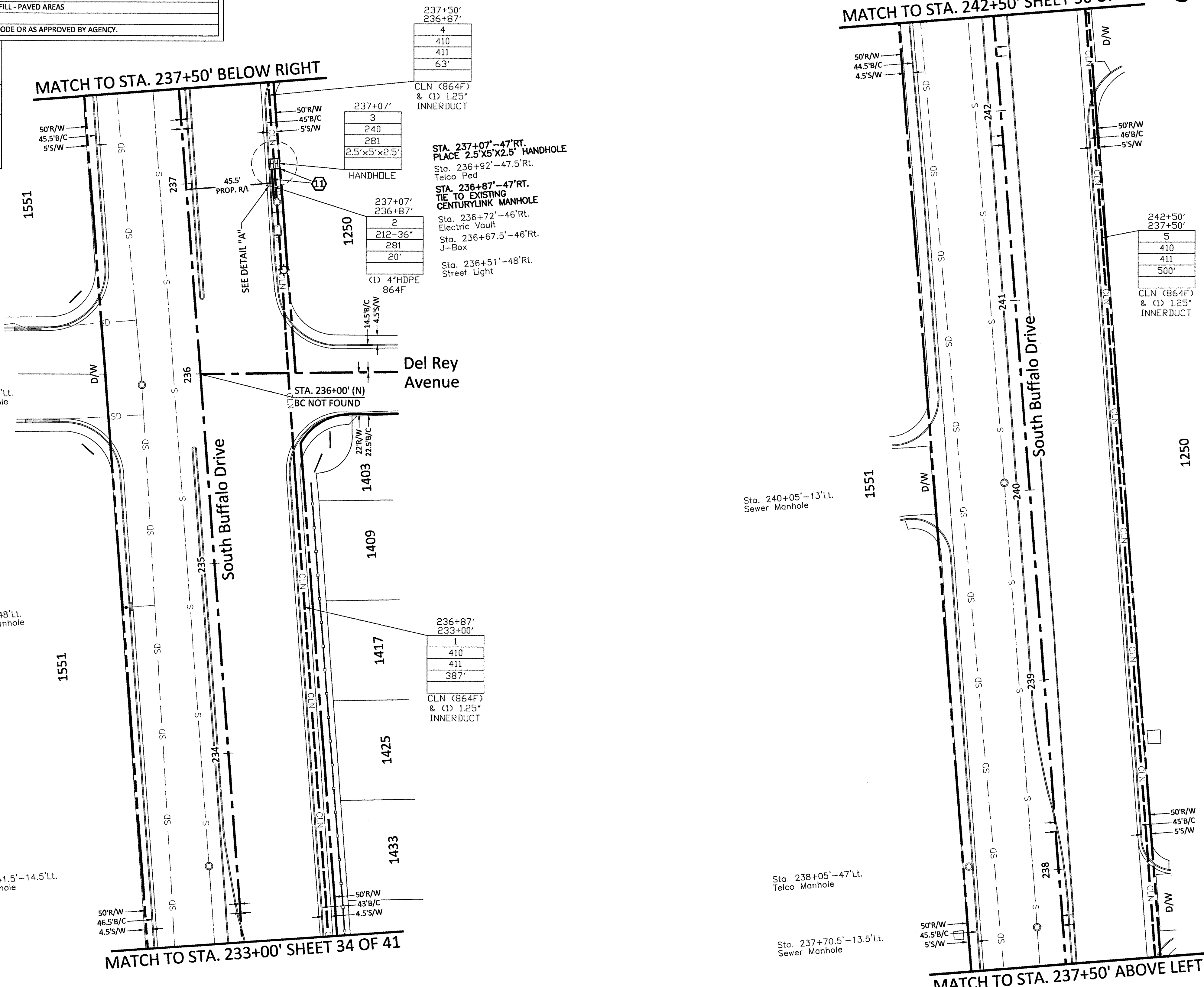
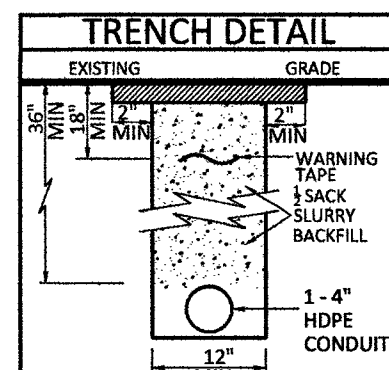
MP TO MP

SHEET 35 OF 41

FILE: BACK HAUL

LSV SAHARA RAINBOW &

FILE: BACK HAUL



DETAIL "A"
N.T.S.

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
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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:

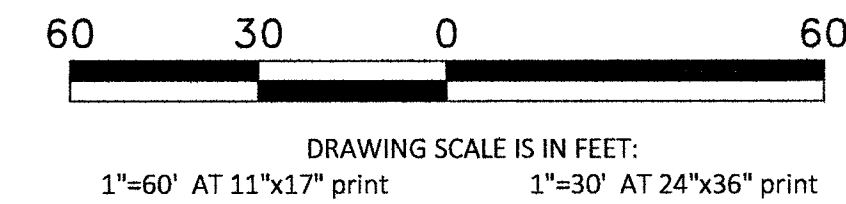
CONTRACTOR TO POTHOLE AND LOCATE ALL
UTILITIES PRIOR TO STARTING CONSTRUCTION.

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
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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



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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SCALE

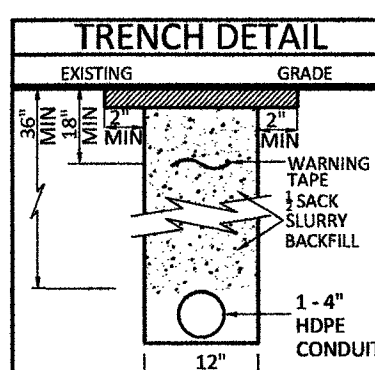
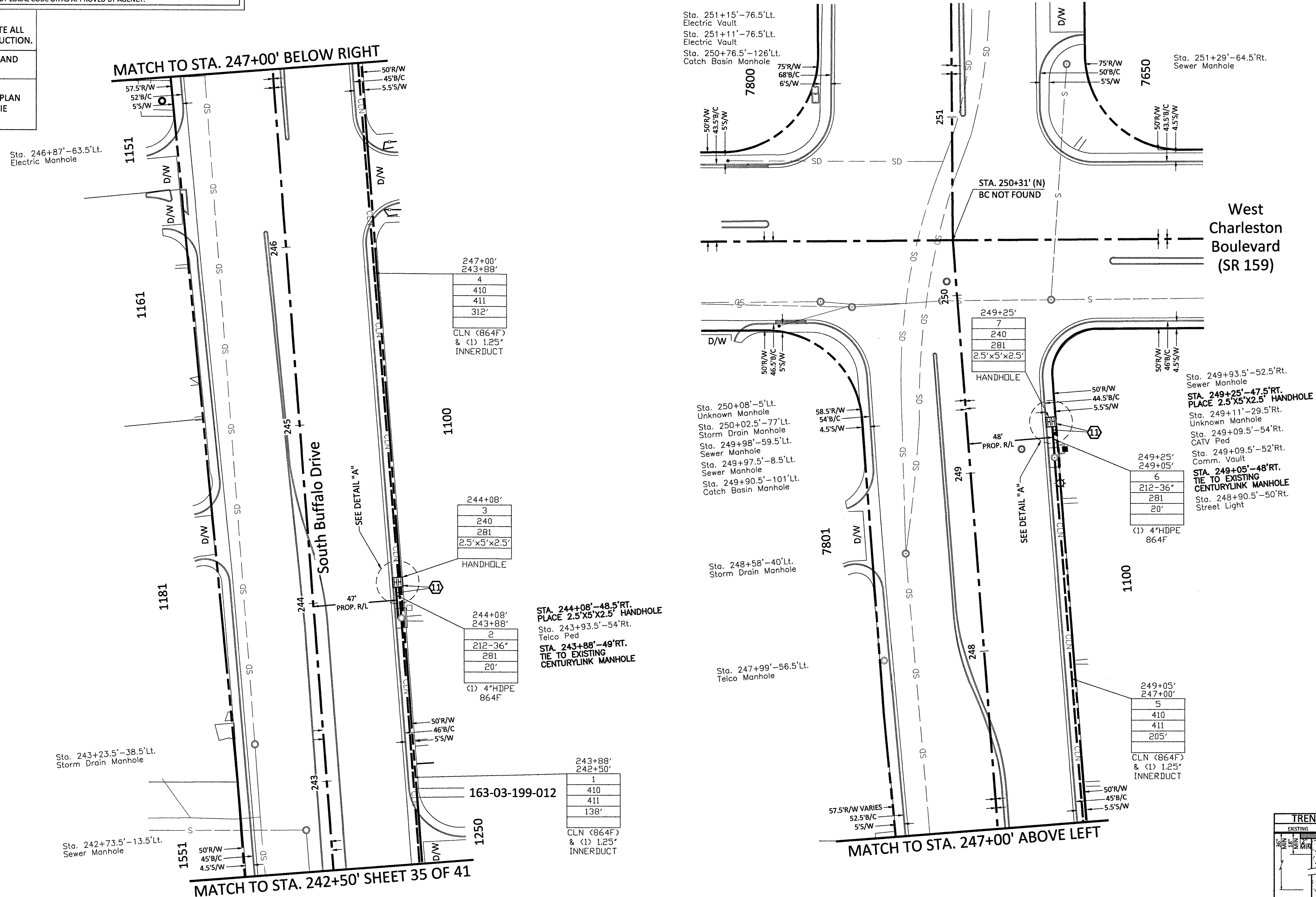
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

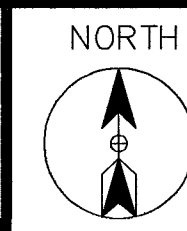
SHEET 36 OF 41

LSV SAHARA RAINBOW &
FILE: BACK HAUL



ROUTE SCHEMATIC

Call at least two full working days before you begin excavation.
811 Know what's below. Call 811 before you dig.



PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911058, 911059, 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
REV. 12-20-18
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

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

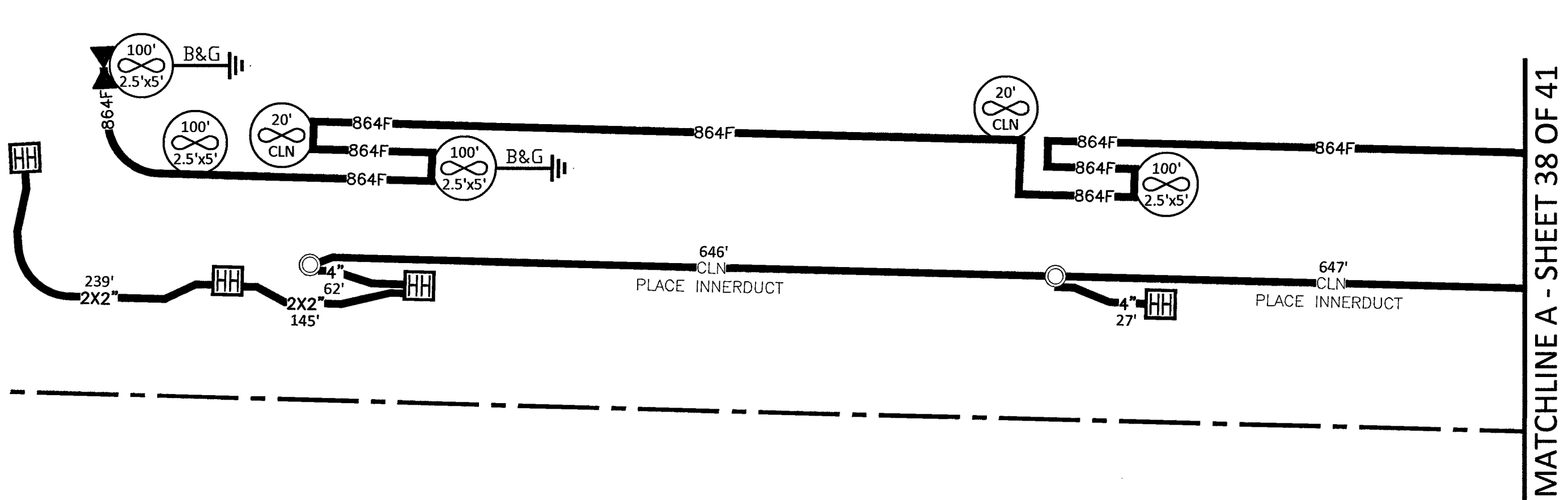
SITE-SPAN NAME: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL rev. 12-20-18

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	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	20'	'	'	'	'	'	20'
FIB:BUR::56001121	911113	864F	29'	'	'	'	'	'	29'
FIB:BUR::56001174	911114	864F	20'	'	'	'	'	'	20'

West Sahara Avenue

South Durango Drive



COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL REV. 12-20-18

DATE: 12/20/2018

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-20-18	Adjusted footage totals Sheet 3, moved HH & adjusted footages Sheet 26, removed HH & adjusted footages Sheet 33, adjusted footage totals Sheet 37, adjusted schematic & footage totals sheets 40 & 41	JJ
	PK 3 20 19	

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

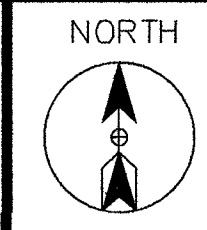
SHEET 38 OF 41

FILE: BACK HAUL - REV.12-20-18

REPLLOT
LIB-02330-R001
10/17/17-FUB

ROUTE SCHEMATIC

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: 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

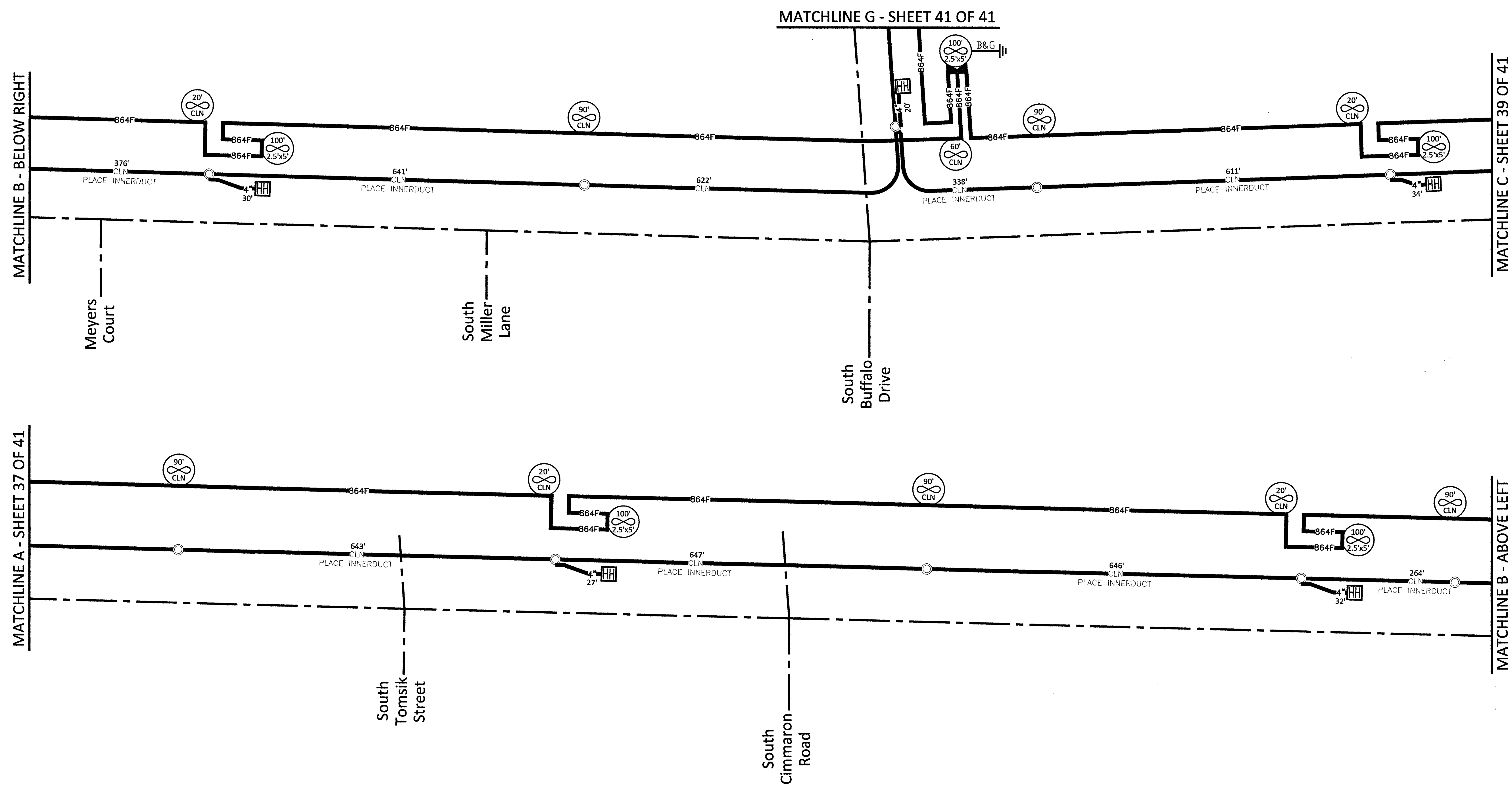
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 38 OF 41

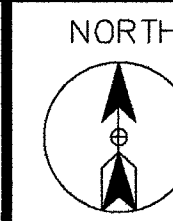
LSV SAHARA RAINBOW &
FILE: BACK HAUL



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

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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: 864E/6487'

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
----	-------

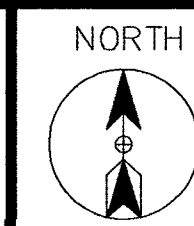
SHEET 39 OF 41

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.
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CELL SITE: LSV SAHARA RAINBOW/BACK HAUL
REV. 12-20-18
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864F/6,131'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL REV. 12-20-18

DATE: 12/20/2018

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-20-18	Adjusted footage totals Sheet 3, moved HH & adjusted footages Sheet 26, removed HH & adjusted footages Sheet 33, adjusted footage totals Sheet 37, adjusted schematic & footage totals sheets 40 & 41	JJ
	PK 3 20 19	

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

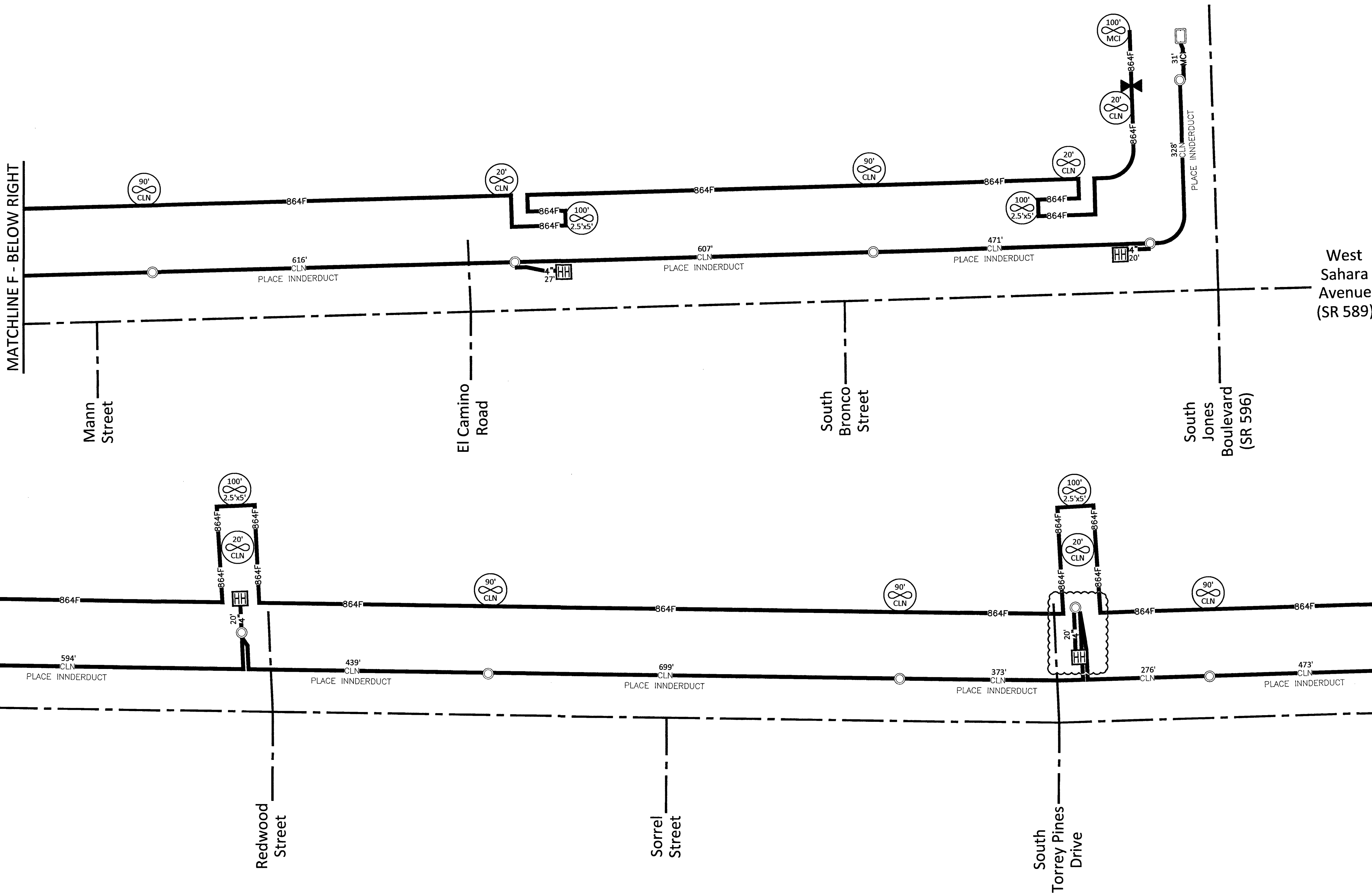
SHEET 41 OF 41

FILE: LSV SAHARA RAINBOW & BACK HAUL - REV.12-20-18

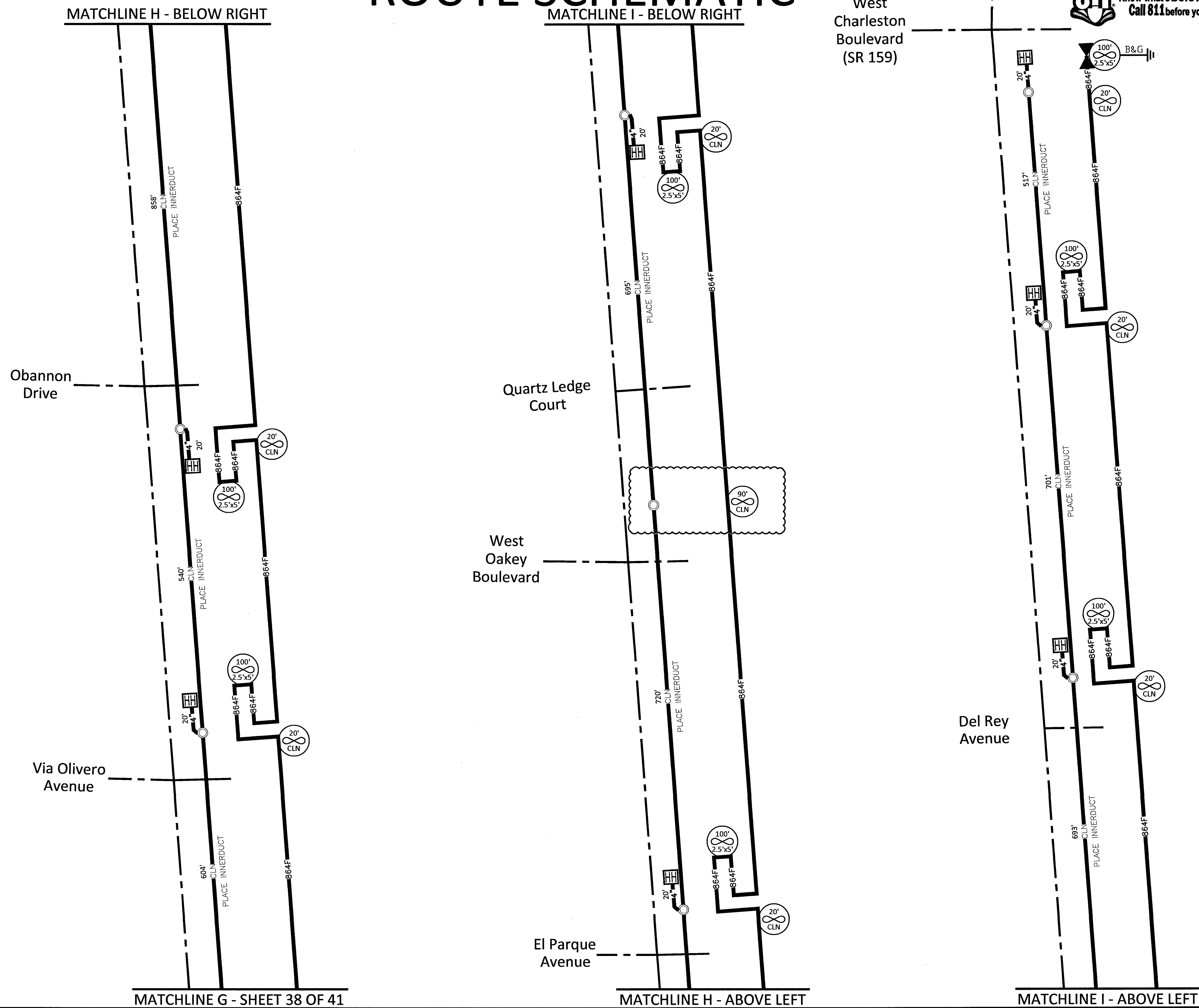
RE Plot

L18-02330-R001

102V7487-F18



ROUTE SCHEMATIC



Call at least two full working days before you begin excavation.
811 Know what's below. Call 811 before you dig.

NORTH

PROJECT: 911043, 911044, 911045, 911046, 911047, 911048, 911049, 911052, 911053, 911054, 911059, 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
REV. 12-20-18
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
FIBER TOTALS	
FIBER SIZE/LENGTH: 864F/6,518'	

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV SAHARA RAINBOW/BACK HAUL REV. 12-20-18

DATE: 12/20/2018
DRAWN BY: JJAMES

REVISIONS		
DATE	DESCRIPTION	INITIAL
12-20-18	Adjusted footage totals Sheet 3, moved HH & adjusted footages Sheet 26, removed HH & adjusted footages Sheet 33, adjusted footage totals Sheet 37, adjusted schematic & footage totals sheets 40 & 41	JJ
	PK 3 20 19	

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SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP TO MP
SHEET 42 OF 41
FILE: LSV SAHARA RAINBOW & BACK HAUL - REV.12-20-18

Replot
L 18-02330-R001
10/27/87-PUB