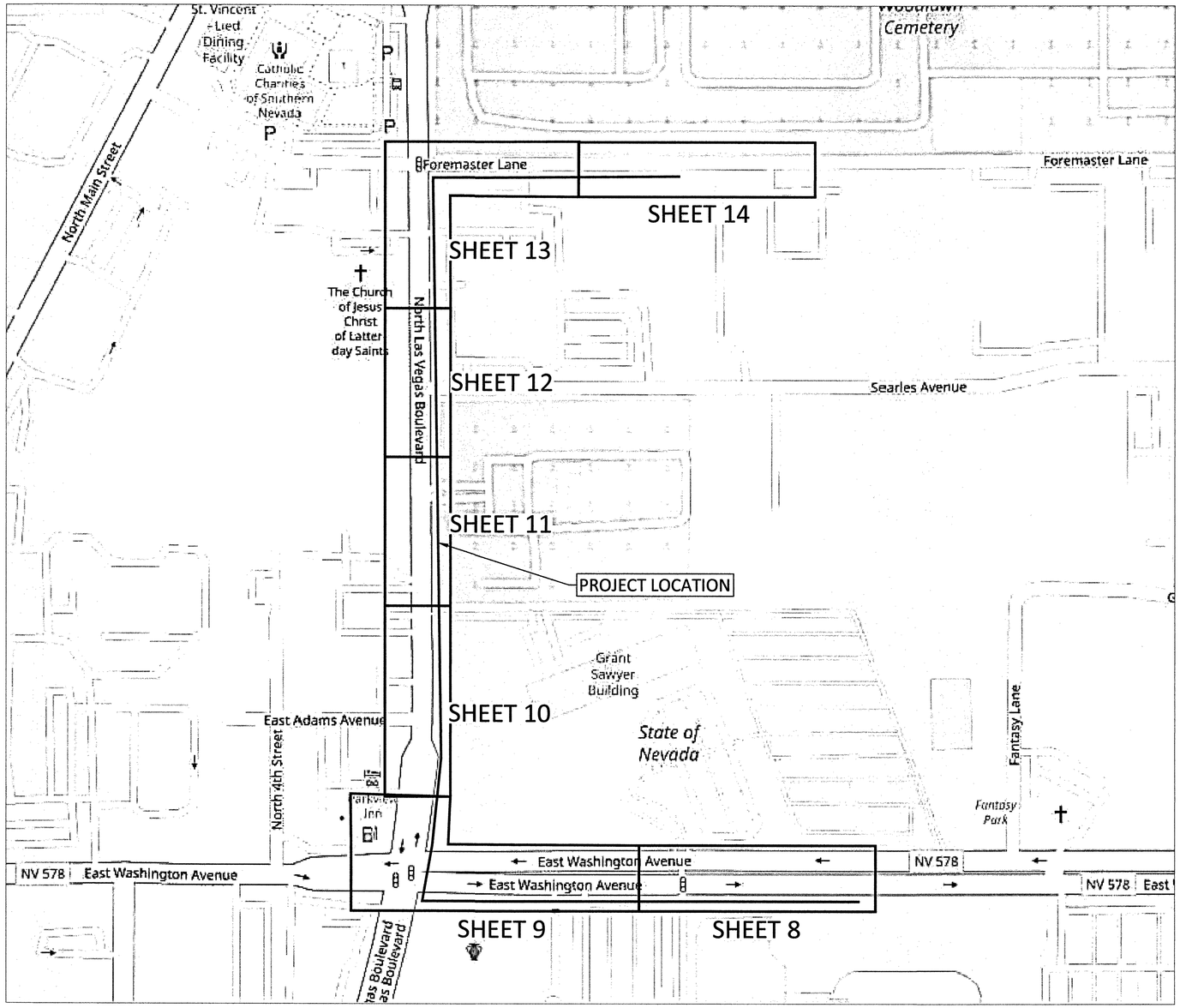
FQNID #:
FIB:BUR::56001067
FIB:BUR::56000333

INDEX SHEET

CITY OF LAS VEGAS, NEVADA



NORTH

MCI

PROJECT: 916055, 916056, 916117

CELL SITE: LSV CASHMAN FIELD

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD

PROJECT TITLE

DATE: 7/18/2018

DRAWN BY: ERAMSEY

REVISIONS

DATE	INITIAL

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP _____ TO MP _____

SHEET 1 OF 15

FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

NOTES CONTINUED/CONTACT SHEET

GROUNDING NOTES

11.4 HANDHOLE/MANHOLE GROUNDING

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

MCI-furnished materials:

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

11.5 AERIAL CABLE GROUNDING

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

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

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

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

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

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

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

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

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

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

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

OUTSIDE PLANT ENGINEERING:

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

OUTSIDE PLANT CONSTRUCTION:

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

RIGHT-OF-WAY:

AGENT:
MANAGER:

CONTRACTS:

COORDINATOR: N/A
MANAGER: N/A

OTHERS:

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

ENGINEERING CONTRACTOR

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

CONSTRUCTION CONTRACTOR

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

CITY GOVERNMENT

BUREAU OF ENGINEERING:

CITY ENGINEER:

UTILITIES

WORLDCOM UTILITY LOCATE 1-800-624-9675
USA NORTH BLUESTAKE 811

PROJECT TOTALS SUMMARY

MATERIALS

2" HDPE CONDUIT(S):	5,852'
4" HDPE CONDUIT(S):	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	4
4' x 4' x 4' HANDHOLE(S):	1
MANHOLES:	-

WORK TYPE

AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	994'
TRENCH:	2,947'
ASPHALT CUT:	-
BORE:	-
BORE/TRENCH:	-
TOTAL NEW UG FOOTAGE:	2,947'
TOTAL FOOTAGE:	3,941'

REPLOT
L18-01339-R002
10017484-F18

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

MCI

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY

MCI COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CASHMAN FIELD REV. 01-10-18
PROJECT TITLE

DATE: 01/10/18
DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ
	1 22 19	

SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP ____ TO MP ____
SHEET 3 OF 15
FILE: LSV CASHMAN FIELD REV. 01-10-18

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

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SUPERVISOR: N/A
MANAGER: N/A

OUTSIDE PLANT CONSTRUCTION:

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

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COORDINATOR: N/A
MANAGER: N/A

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LIGHTWAVE ENGINEER: N/A
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TERMINAL CONST. REP.: N/A
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TSO MANAGER: N/A

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AERIAL:	-
VZW CONDUIT:	-
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TRENCH:	2,961'
ASPHALT CUT:	-
BORE:	-
BORE/TRENCH:	-
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TOTAL FOOTAGE:	3,978'

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

MCI

PROJECT:916055, 916056, 916117
CELL SITE: LSV CASHMAN FIELD
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY

MCI COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CASHMAN FIELD
PROJECT TITLE

DATE: 7/18/2018

DRAWN BY: ERAMSEY

REVISIONS

DATE	INITIAL

SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP _____ TO MP _____
SHEET 3 OF 15
FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

SYMBOLS KEY

BURIED CABLE

AERIAL CABLE — A

SUBMARINE CABLE — SUBM

FOGWIRE CABLE — FOGW

DIRECT BURIED HDPE — H

PVC OR SPLIT PVC CONDUIT

BSP/GSP OR SPLIT BSP/GSP CONDUIT

STEEL CASING

REMOVE AND RESTORE ASPHALT OR CONCRETE (WIDTH AS INDICATED) — 48"

CORE BORE

JACK AND BORE

DIRECTIONAL BORE — DB

OPEN TRENCH — OT

FUTURE CABLE

REMOVE CABLE — R

TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE) — H

AERIAL UTILITY (ELECTRIC)

UNDERGROUND UTILITY (TELEPHONE)

MAIN TRACKS

AUXILLARY TRACKS

CENTERLINE

RIGHT-OF-WAY

DITCH LINE — D/L

CITY, COUNTY OR STATE BOUNDARY LINE

PROPERTY LINE

BLOCKWALL

FENCE LINE

GUARDRAIL — I — I

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)

STA. # MKR. (A) (B) (C) (D) (E)

MILE POST MARKER
NOTE:
DASHED = NOT FOUND IN FIELD — 21 STA. STA.

PERMIT TRACKING FORM IDENTIFIER — P.T.F. 187

UTILITY COVER DEPTH — (48")

HANDHOLE, VAULT OR PULLBOX

STREET LIGHT

WOOD POLE & STEEL POLE

ANCHOR ONLY

GUY ONLY

OVERHEAD GUY (ARROW IN DIRECTION OF PULL) — OHG 92' 10M

ANCHOR AND GUY

SIDEWALK ANCHOR AND GUY — P=

FOREIGN ANCHOR AND GUY

PUSH BRACE (EXISTING POLE) — 30'-5-84 PB

ACCOUNT CODE CHANGE (BURIED TO AERIAL) — A

RISER POLE — (R)

BOND AND GROUND — B&G

CULVERT (SIZE AS INDICATED) — 12"

BRIDGE

METER

VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE — PH

MCI

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VERTICAL: NA

MP _____ TO MP _____

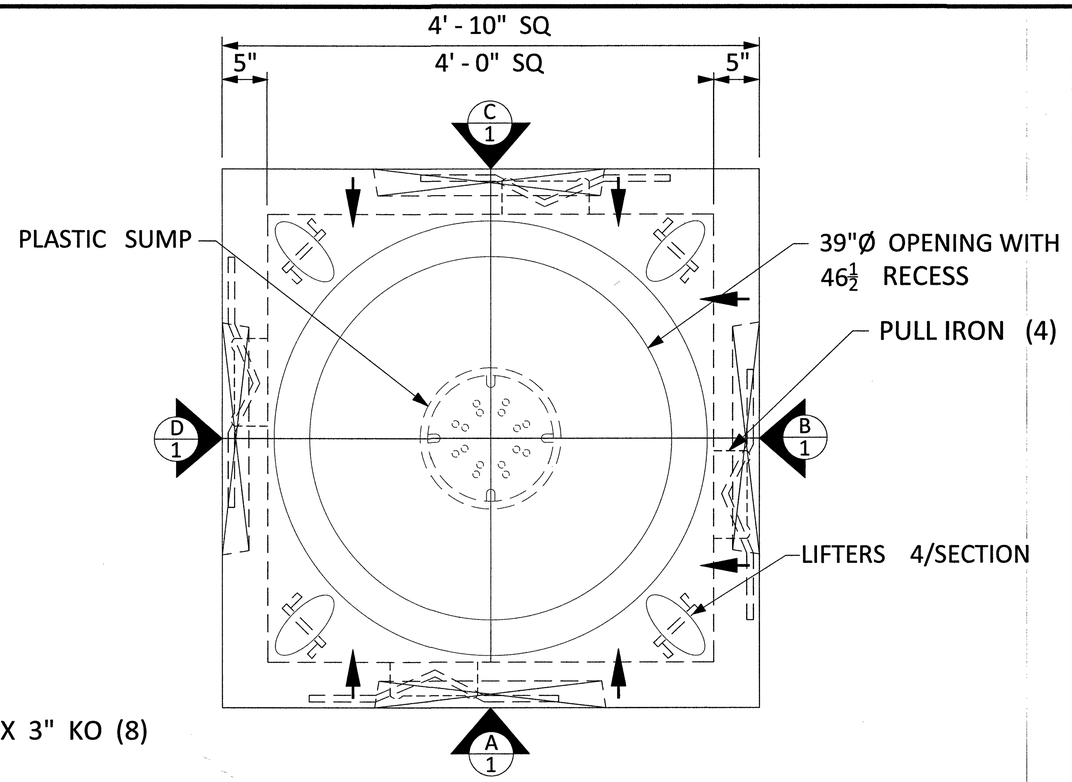
SHEET 4 OF 15

FILE: LSV CASHMAN FIELD

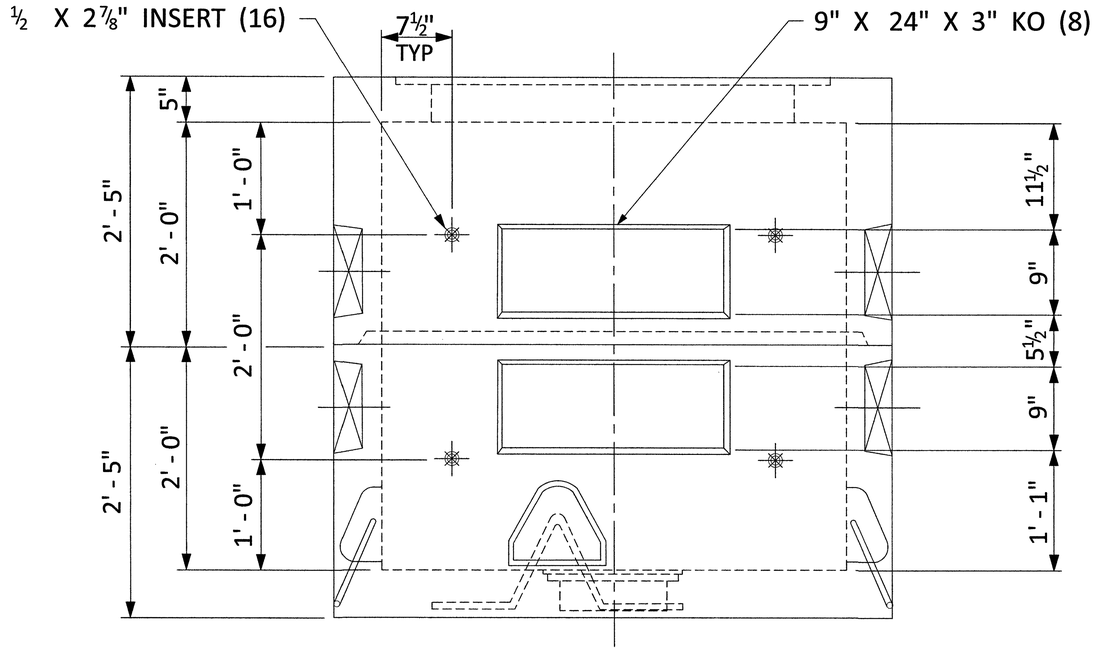
M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

GENERAL NOTES:

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



PLAN VIEW
SCALE: 1/2" = 1'-0"



VIEW A, B, C, D
SCALE: 1/2" = 1'-0"

CONTRACTOR IS TO VERIFY THAT ALL INFORMATION SHOWN ON DRAWINGS HAS BEEN THOROUGHLY CHECKED, COMPLIES WITH CONTRACTOR DOCUMENTS, AND IS ADEQUATE TO MEET FIELD CONDITIONS. OLDCASTLE ACCEPTS NO RESPONSIBILITY FOR INSTALLATION ERRORS BY THE CONTRACTOR AND ERRORS OR OMISSION RESULTING AFTER RECEIPT OF APPROVED SHOP DRAWINGS.

NOTE: PRODUCTION WILL NOT COMMENCE UNTIL RECEIPT OF SIGNED APPROVED SHOP DRAWINGS.

Oldcastle Precast
747 ALLENRIDGE POINT, LEXINGTON, KY 40510
PHONE: 859-259-1484 FAX: 859-233-9351

4'x4'x4' TYPE "S" KNOCKOUT

MCI

PROJECT: 916055, 916056, 916117
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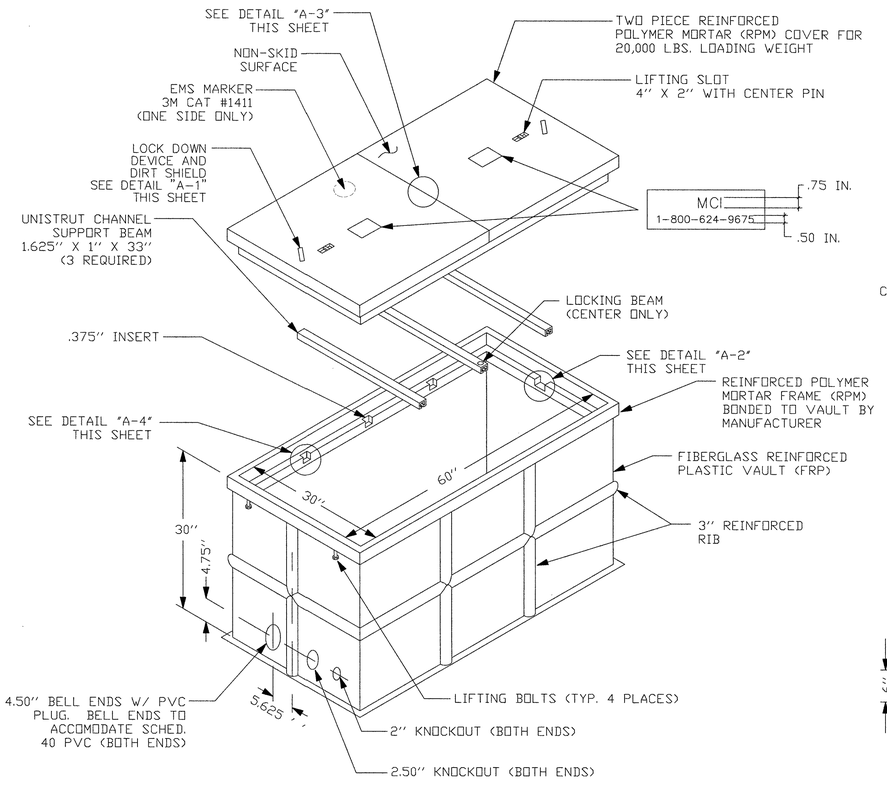
SHEET 5 OF 15
FILE: LSV CASHMAN FIELD

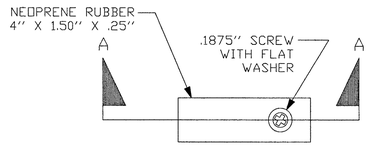
M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

2.5' x 5' x 2.5' HANDHOLE DETAILS

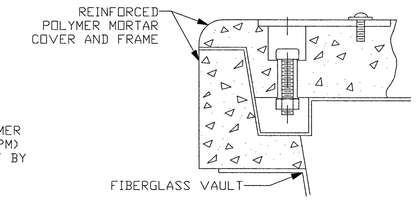
DETAIL "A"
EXPLODED ISOMETRIC DETAIL



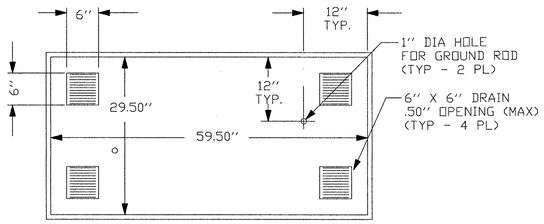
DETAIL "A-1"
LOCK DOWN DEVICE



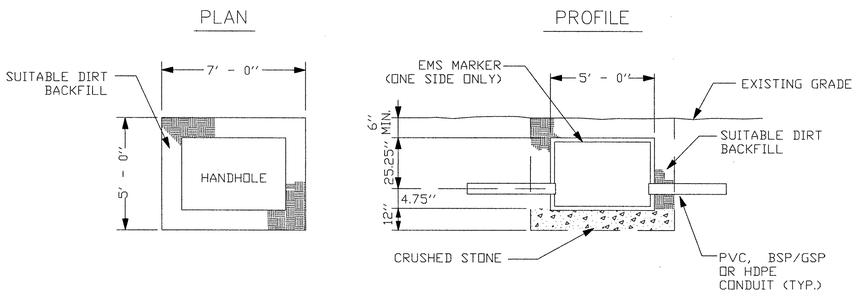
SECTION A-A
LOCKING DEVICE CROSS SECTION



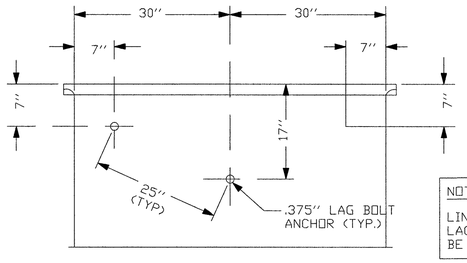
DETAIL "B"
VAULT BOTTOM PLAN VIEW (144 SQ. IN. TOTAL DRAINAGE)



DETAIL "C"
EXCAVATION PIT



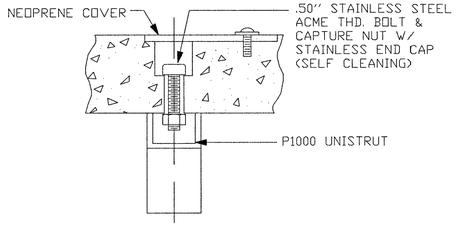
DETAIL "D"
SIDE WALL VIEW INSIDE LOOKING OUT



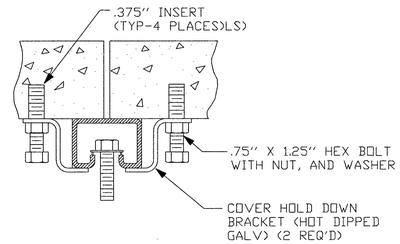
NOTE:
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25".

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

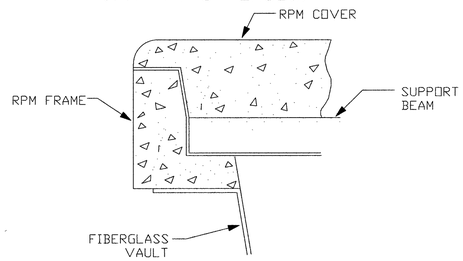
DETAIL "A-2"
ENGAGED LOCK DOWN DEVICE



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



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



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REVISIONS

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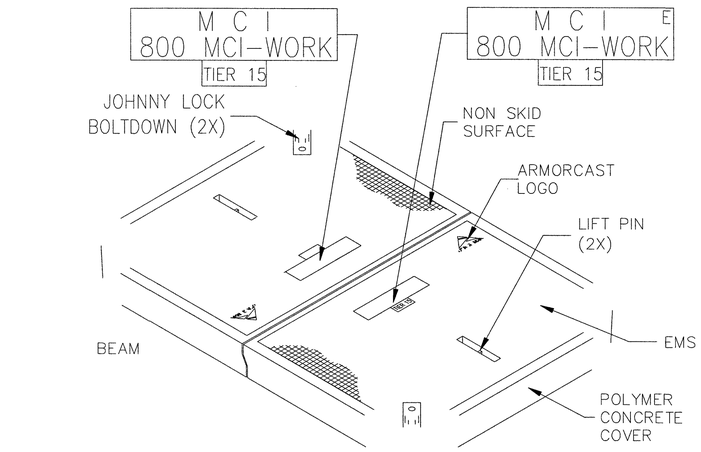
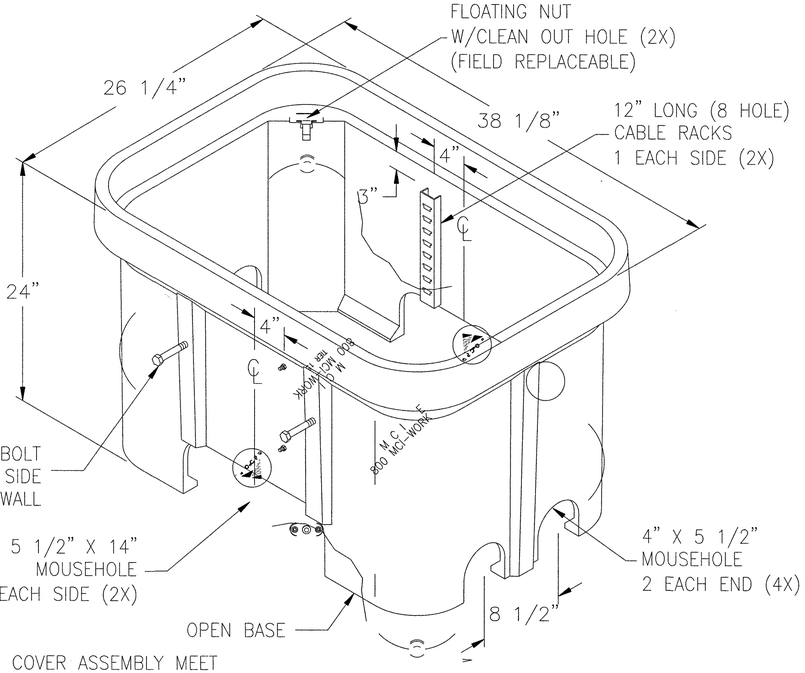
SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP _____ TO MP _____
SHEET 6 OF 15
FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS





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

FILE # A6-1974TAPMCI3

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

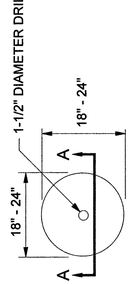
"THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE REPRODUCED OR ITS CONTENTS DIVULGED IN ANY WAY WHATSOEVER EXCEPT WITH THE PRIOR WRITTEN APPROVAL OF ARMORCAST PRODUCTS COMPANY. IT IS THE PROPERTY OF AND MUST BE RETURNED TO ARMORCAST PRODUCTS COMPANY, 13230 SATICOY STREET, NORTH 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
APROV.: WS	DATE: 6/17	MATERIAL: POLYMER CONCRETE	DRAWING NUMBER: A6001974TAPMCI3

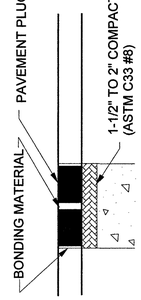
TYPE B - KEYHOLE REPAIR
REQUIRED FOR ROW WIDTH GREATER THAN 60'
OPTIONAL FOR ROW WIDTH 60' OR LESS

NOTES:

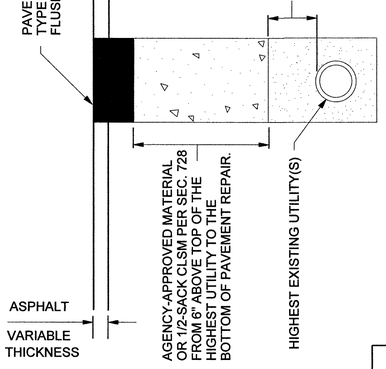
1. CUT AND REMOVE PAVEMENT PLUG WITH AN APPROVED KEYHOLE CORING DEVICE. PAVEMENT TO BE CORED SHALL CONTAIN NO CRACKS AND SHALL BE AT LEAST 4" THICK. IF PLUG IS DAMAGED OR IS LESS THAN 4" THICK, REPLACE PLUG WITH A "FARMED" ASPHALT PLUG FROM AN APPROVED SITE. FARMED PLUGS SHALL BE AT LEAST 4" THICK AND AT LEAST ONE INCH THICKER THAN EXISTING ASPHALT.
2. BONDING MATERIAL SHALL BE A SINGLE COMPONENT CEMENTITIOUS RAPID HARDENING, HIGH STRENGTH, WATERPROOF BONDING AGENT THAT ALLOWS THE CORE TO SUPPORT AT LEAST THREE TIMES AASHTO H-25 LOADING WITHIN 30 MINUTES OF APPLICATION. BOND AGENT MUST SHOW A MINIMUM 20 PSI BOND STRENGTH (ASTM C882) AND A MINIMUM 200 PSI COMPRESSIVE STRENGTH (ASTM C109) IN 30 MINUTES.
3. AGENCY-APPROVED BACKFILL BELOW REPAIR SHALL BE PER SECTION 215.
4. FILL KEYHOLE WITH BONDING MATERIAL DURING REPAIR.
5. PRIOR AGENCY APPROVAL IS REQUIRED FOR MULTIPLE KEYHOLE REPAIRS WITHIN A GIVEN ROADWAY SEGMENT.
6. A 5 YEAR WARRANTY IS REQUIRED ON ALL REPAIRS.



POTHOLE PLAN VIEW
(NOMINAL DIMENSIONS)



POTHOLE PROFILE

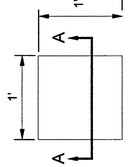


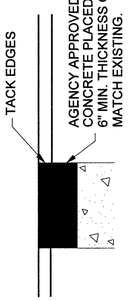
SECTION A-A

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

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

POTHOLE PLAN VIEW
(NOMINAL DIMENSIONS)





POTHOLE PROFILE

AGENCY APPROVED	B	C	H	L	M	N

SPECIFICATION REFERENCE	
215	KEYHOLE POTHOLE EXCAVATION
	AND BACKFILL

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

UTILITY POTHOLE REPAIR

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

MCI

PROJECT: 916055, 916056, 916117
CELL SITE: LSV CASHMAN FIELD
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD

PROJECT TITLE

DATE: 7/18/2018
DRAWN BY: ERAMSEY

REVISIONS

DATE	INITIAL

SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA

MP _____ TO MP _____

SHEET 7 OF 15
FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA

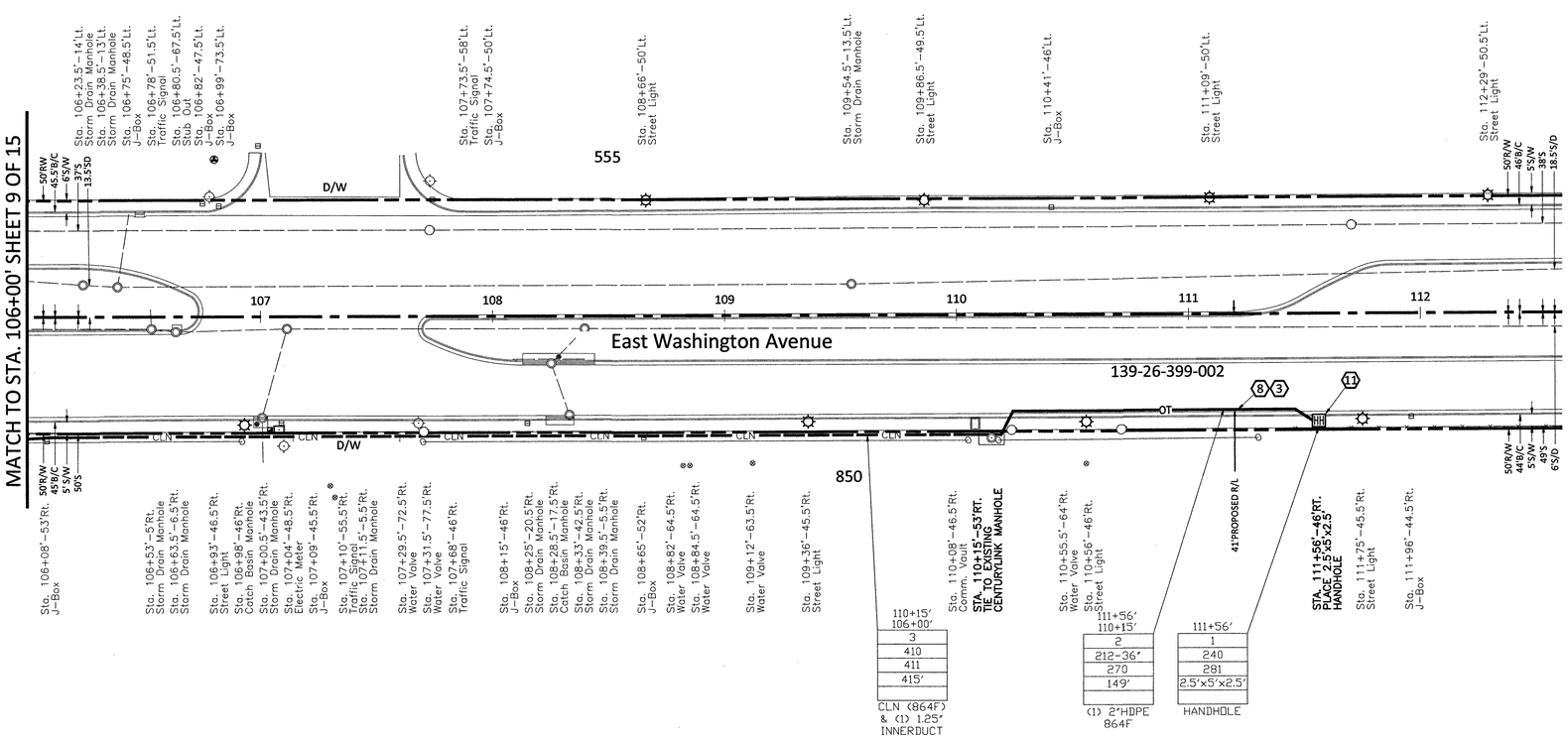
60 30 0 60

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

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

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

NORTH



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:

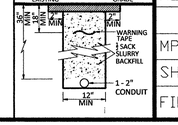
CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES PRIOR TO STARTING CONSTRUCTION.

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

TRENCH DETAIL



MCI

PROJECT: 916055, 916056, 916117

CELL SITE: LSV CASHMAN FIELD

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	149'
4" HDPE CONDUIT:	-
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:	415'
ASPHALT CUT:	-
TRENCH:	149'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	149'
TOTAL FOOTAGE:	564'

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD

DATE: 7/18/2018

DRAWN BY: ERAMSEY

REVISIONS

DATE	INITIAL

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

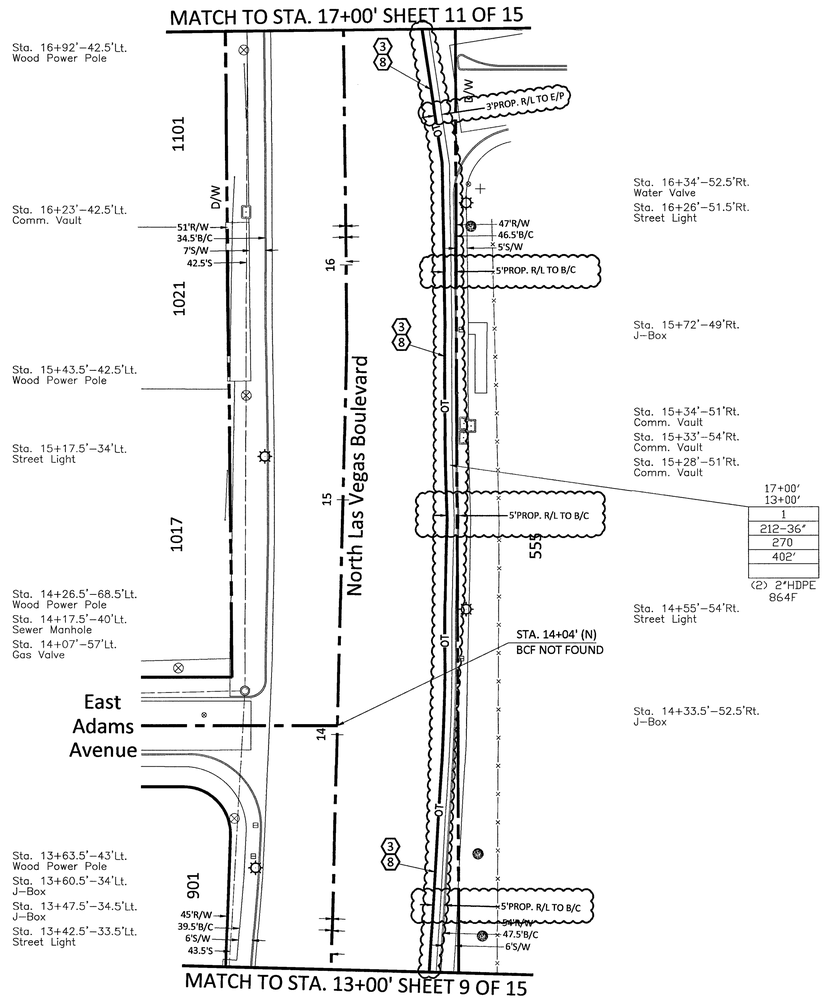
SHEET 8 OF 15

FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA



60 30 0 60

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

NORTH

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

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

MCI

CELL SITE: LSV CASHMAN FIELD REV. 01–10–18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	804'
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:	-
ASPHALT CUT:	-
TRENCH:	402'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	402'
TOTAL FOOTAGE:	402'

MCI
COMMUNICATIONS SERVICES, INC.
DUTIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD
REV. 01–10–18

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12–12–18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01–10–18	MOVED R/L SHTS 10–13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 10 OF 15

FILE: LSV CASHMAN FIELD REV. 01–10–18

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\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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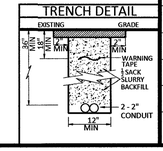
(10)	503.2	METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
(11)	234	SIDEWALK
(12)		BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

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

TRENCH DETAIL



REPLAT

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

NORTH

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

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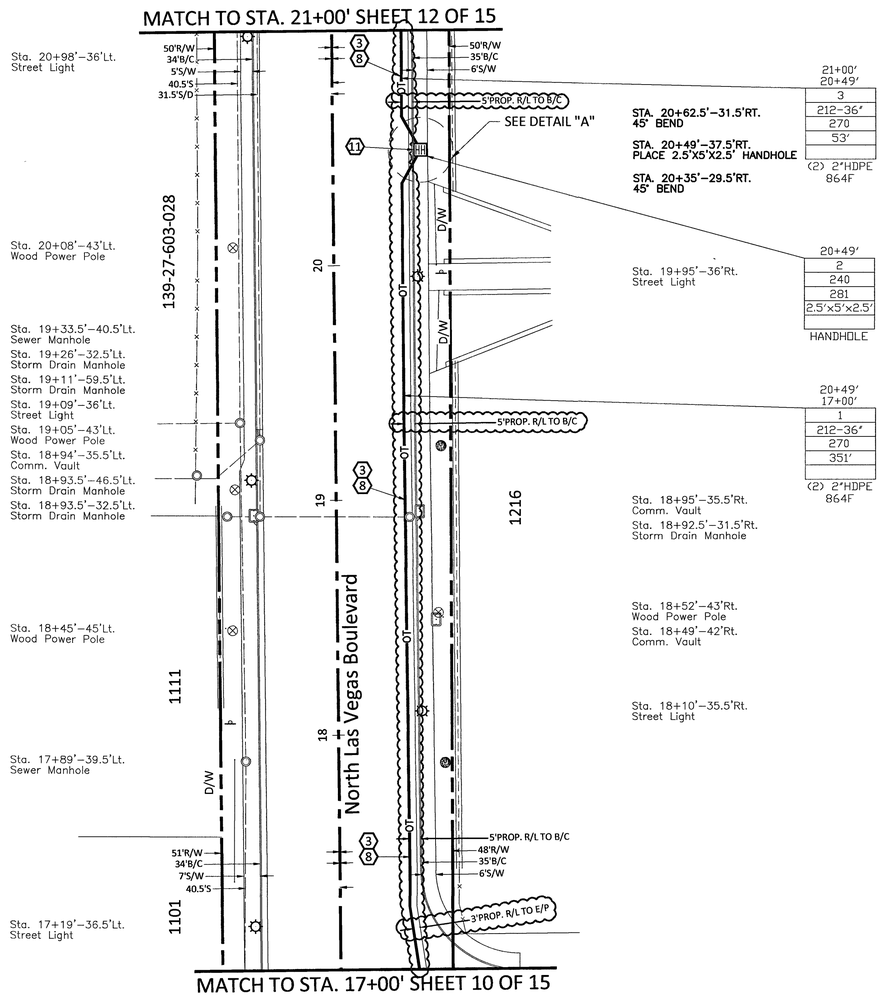

RTC NOTES:

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
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4	500.4	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. 60' R.O.W OR LESS
5	500.5	OVER 5 YEARS PAVEMENT RESTORATION TRAVERSE ALL R.O.W WIDTHS
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240	PLACE HANDHOLE
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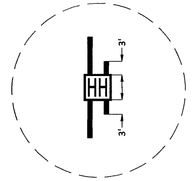
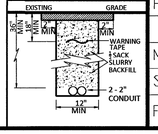
281	REMOVE AND RESTORE SIDEWALK
282	REMOVE AND RESTORE CURBING
410	PULL CABLE
411	PULL THROUGH DUCT (INNERDUCT)
520	PLACE AERIAL CABLE
630	DIRECTIONAL BORE



DETAIL "A"
N.T.S.

REPLOT

TRENCH DETAIL



MCI

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	814'
4" HDPE CONDUIT:	-
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:	-
ASPHALT CUT:	-
TRENCH:	404'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	404'
TOTAL FOOTAGE:	404'

MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ
	RTC 1 22 19	

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP _____ TO MP _____

SHEET 11 OF 15

FILE: LSV CASHMAN FIELD REV. 01-10-18

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA

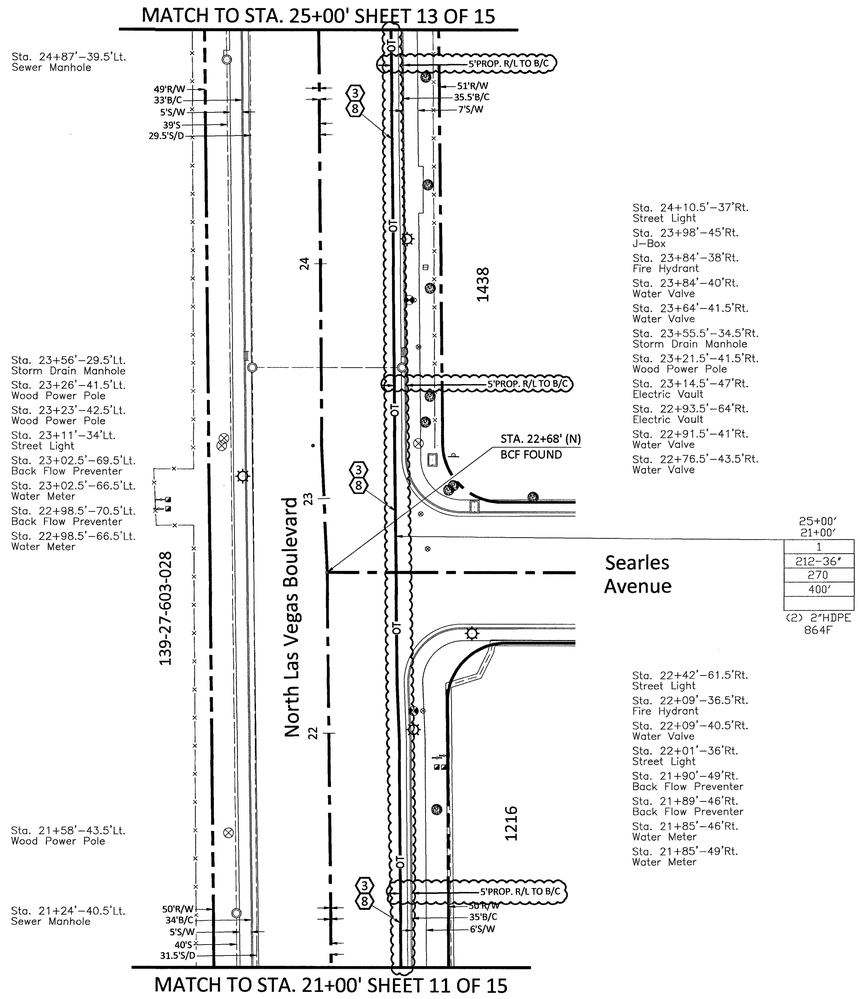
60 30 0 60

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

NORTH

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

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



RTC NOTES:

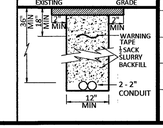
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

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

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

REPLOT

TRENCH DETAIL



MCI

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	800'
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:	-
ASPHALT CUT:	-
TRENCH:	400'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	400'
TOTAL FOOTAGE:	400'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD
REV. 01-10-18

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ
	PVC 1 22 19	

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 12 OF 15

FILE: LSV CASHMAN FIELD REV. 01-10-18

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA

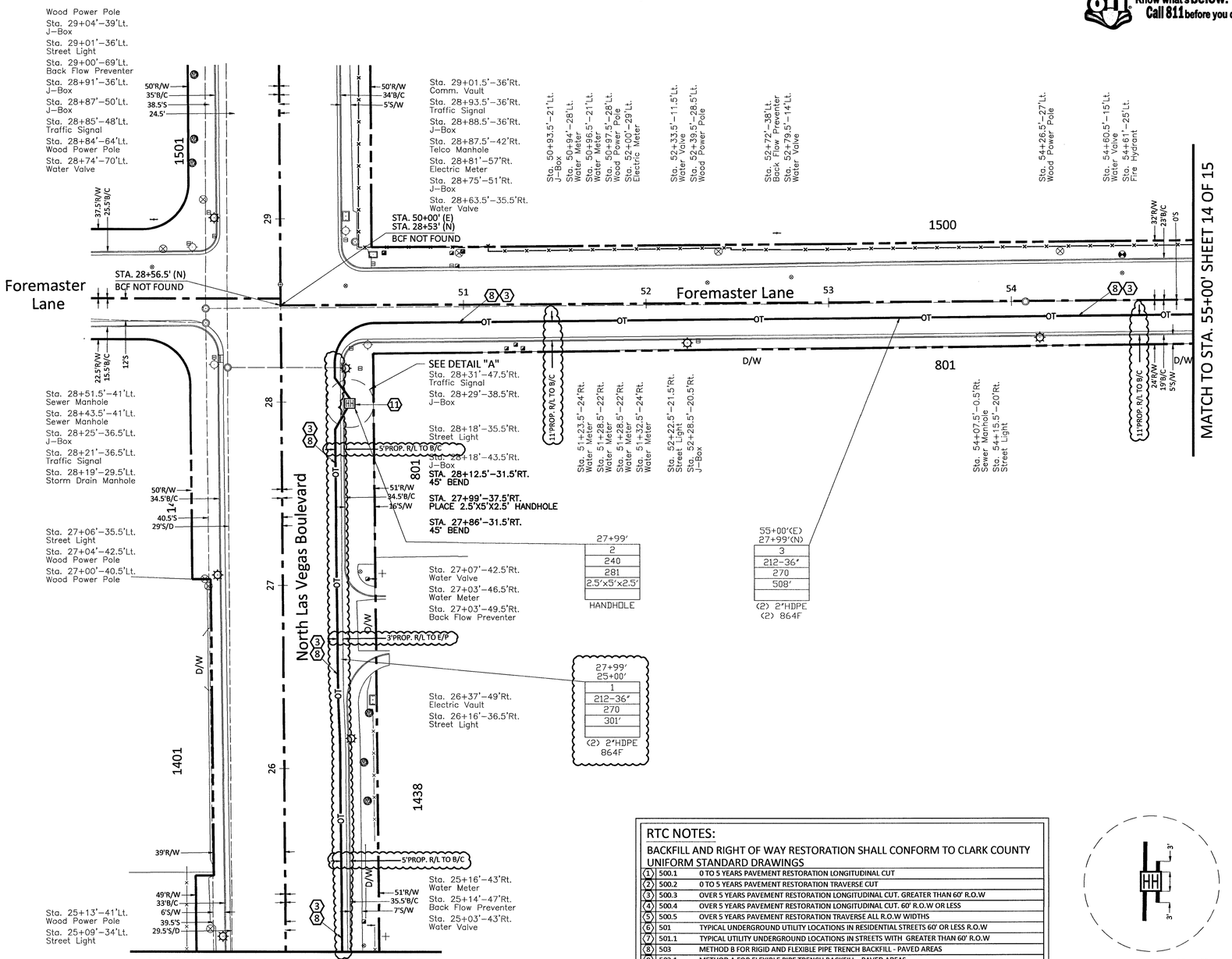
60 30 0 60

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

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

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

NORTH



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

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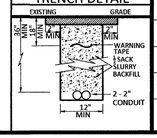
11	234	SIDEWALK
12		BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.

DETAIL "A"
N.T.S.

Replot

TRENCH DETAIL



MCI

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	1,624'
4" HDPE CONDUIT:	-
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:	-
ASPHALT CUT:	-
TRENCH:	809'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	809'
TOTAL FOOTAGE:	809'

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 9, 13, 14	JJ
	RJC 1 22 19	

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 13 OF 15

FILE: LSV CASHMAN FIELD REV. 01-10-18

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

CONSTRUCTION DRAWING

CITY OF LAS VEGAS, NEVADA

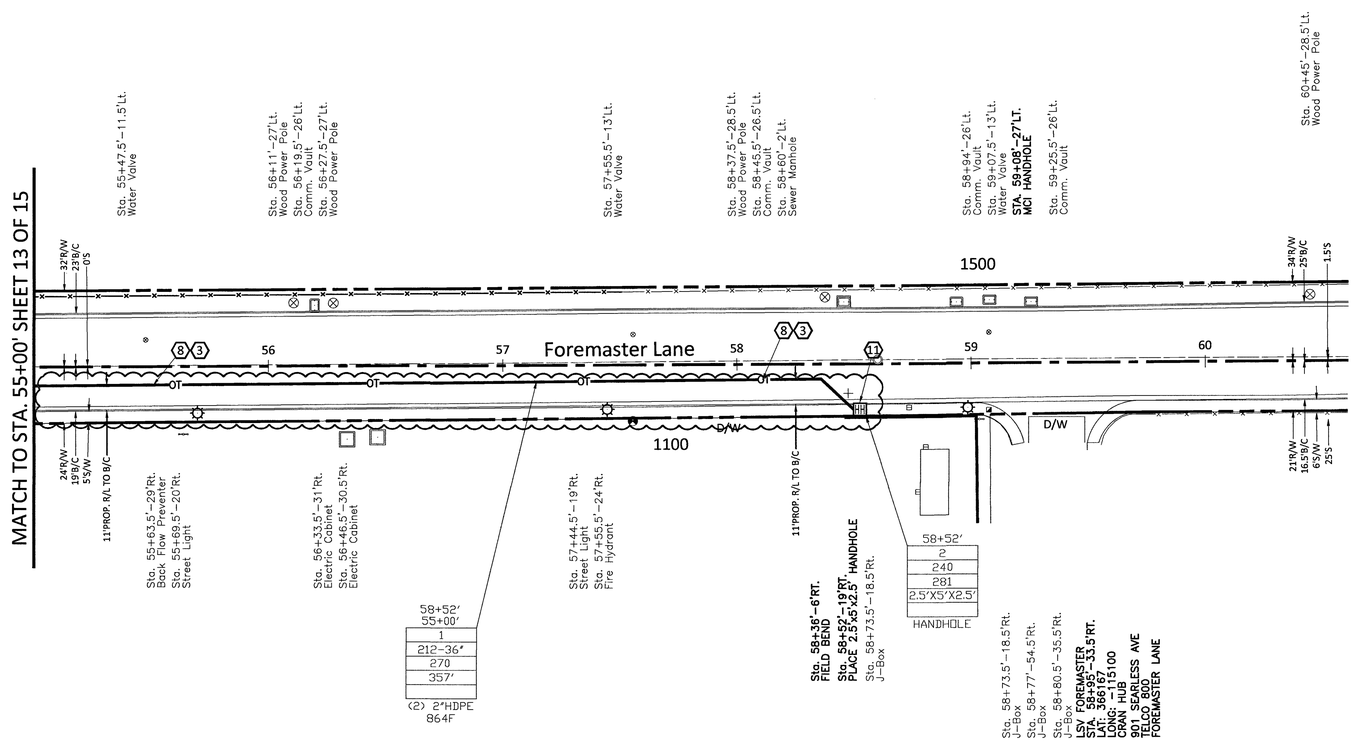
60 30 0 60

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

NORTH

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

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

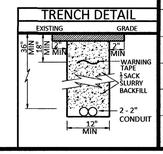


RTC NOTES:	
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS	
(1)	500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
(2)	500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
(3)	500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. GREATER THAN 60'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

TRENCH DETAIL



MCI

PROJECT: 916055, 916056, 916117

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18
CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	714'
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5'HANDHOLE(S):	1
4' x 4' x 4'HANDHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
ASPHALT CUT:	-
TRENCH:	357'
BORE:	-
BORE/OPEN TRENCH:	-
TOTAL NEW UG FOOTAGE:	357'
TOTAL FOOTAGE:	357'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 14 OF 15

FILE: LSV CASHMAN FIELD REV. 01-10-18

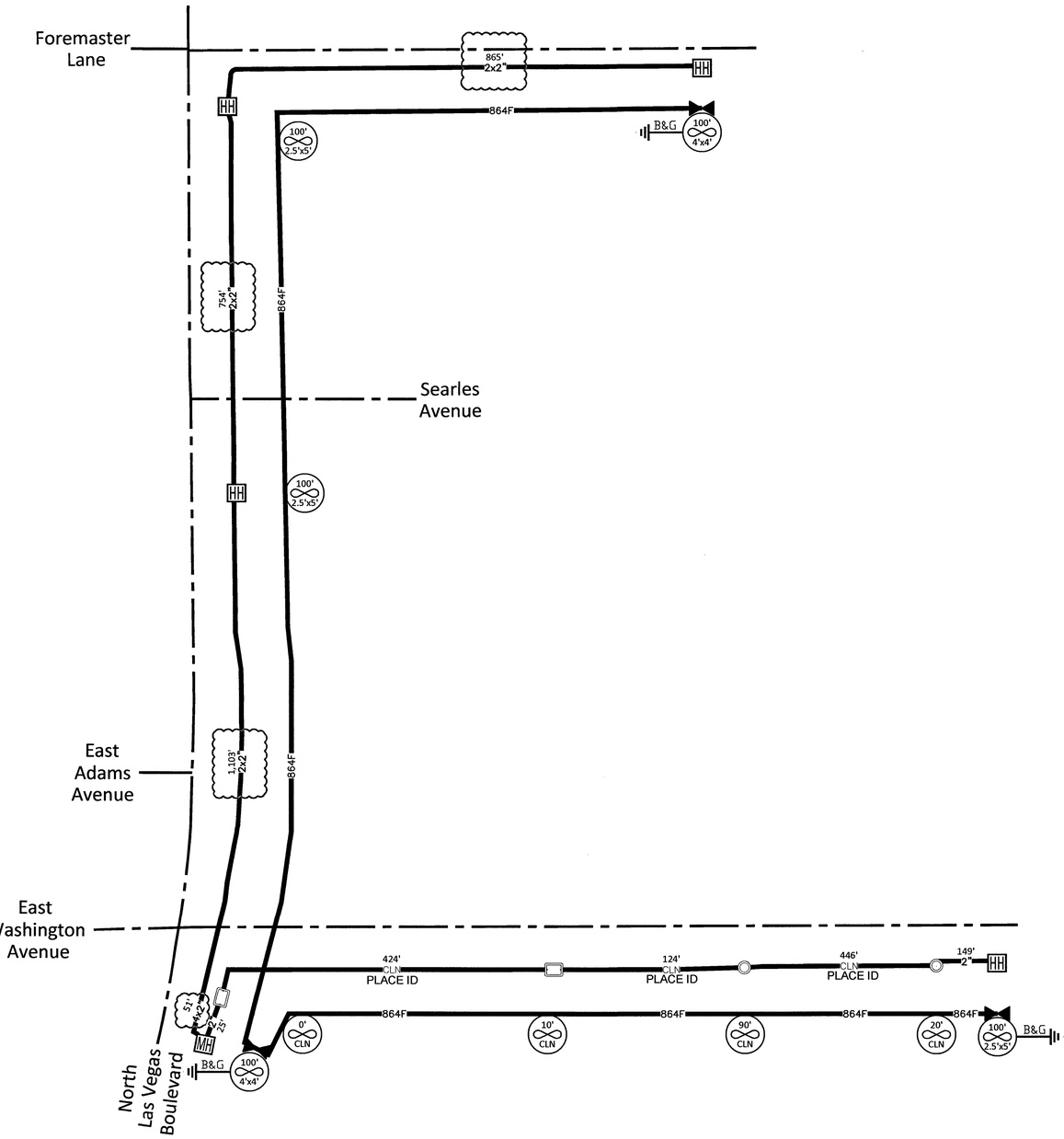
M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

ROUTE SCHEMATIC

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

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

NORTH



SITE-SPAN NAME: CELL SITE: LSV CASHMAN FIELD Rev. 01-10-18									
SITE-SPAN ID: 1708APXX.004									
FQNID	SEGMENT	FIBER COUNT	TRENCH	BORE	DB/OT	3RD PARTY	VZ OWNED	AERIAL	TOTAL
FIB:BUR::56001067	916055	864F	2,798'	'	'	'	'	'	2,798'
FIB:BUR::56000333	916056	864F	'	'	'	994'	'	'	994'
FIB:BUR::56000333	916117	864F	149'	'	'	'	'	'	149'

MCI

CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
FIBER TOTALS	
FIBER SIZE/LENGTH:	864F/4,561'

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD REV. 01-10-18

PROJECT TITLE

DATE: 01/10/18

DRAWN BY: JJAMES

REVISIONS

DATE	DESCRIPTION	INITIAL
12-12-18	UPDATE HH LOCATION SHT. 14 & RELOCATE R/L SHTS. 13 AND 14	EJR
01-10-18	MOVED R/L SHTS 10-13, ADJUSTED FOOTAGE SHTS 3, 13, 14	JJ
	RK 1 22 19	

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 15 OF 15

FILE: LSV CASHMAN FIELD REV. 01-10-18

REPLOT

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS

ROUTE SCHEMATIC

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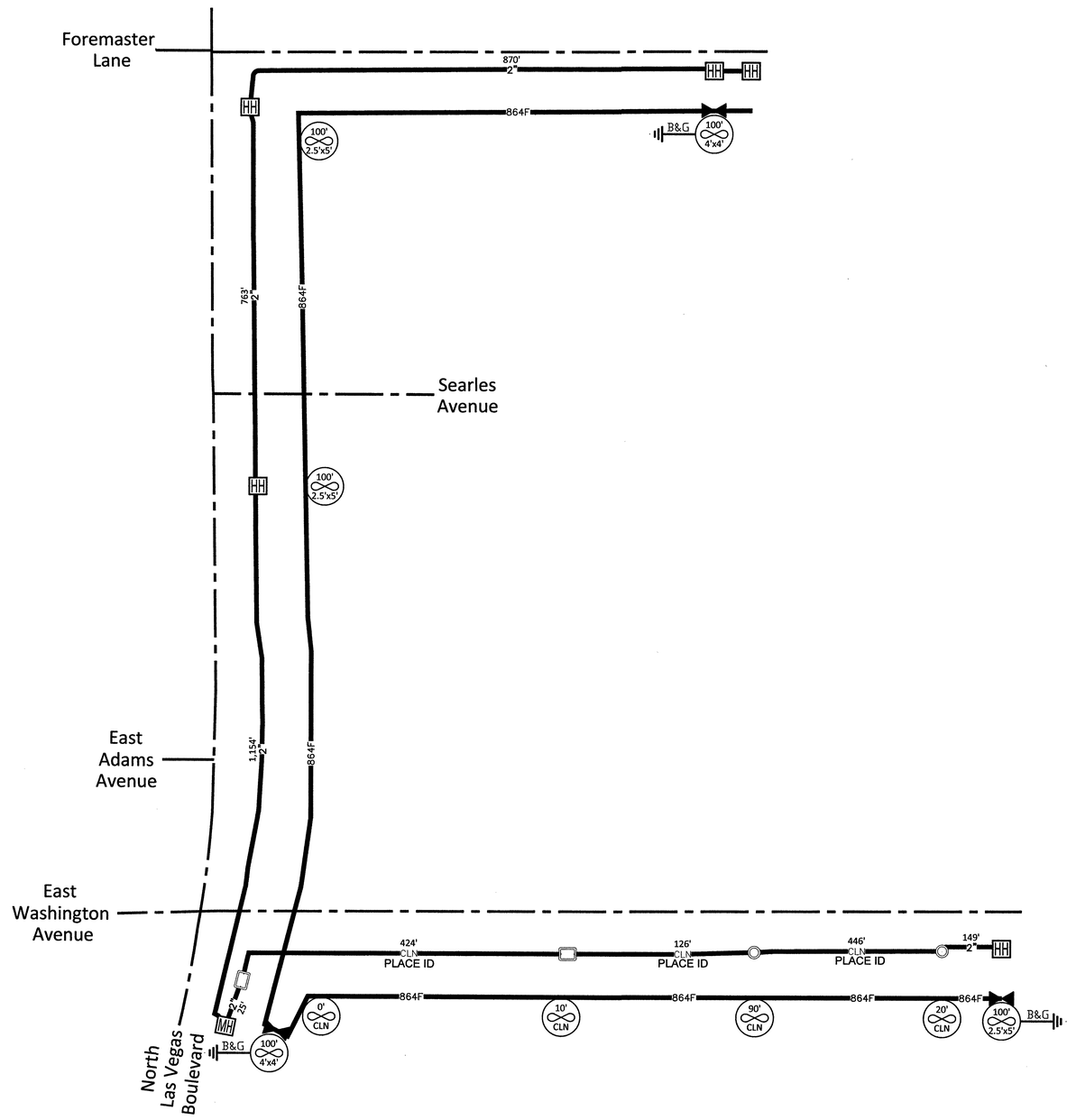

SITE-SPAN NAME: CELL SITE: LSV CASHMAN FIELD

SITE-SPAN ID: 1708APXX.004

FQNID	SEGMENT	FIBER COUNT	TRENCH	BORE	DB/OT	3RD PARTY	VZ OWNED	AERIAL	TOTAL
FIB:BUR::56001067	916055	864F	2,812'	'	'	'	'	'	'
FIB:BUR::56000333	916056	864F	'	'	'	996'	'	'	'
FIB:BUR::56000333	916117	864F	149'	'	'	'	'	'	'
FQID #	#	F	'	'	'	'	'	'	'
FQID #	#	F	'	'	'	'	'	'	'
FQID #	#	F	'	'	'	'	'	'	'
FQID #	#	F	'	'	'	'	'	'	'
FQID #	#	F	'	'	'	'	'	'	'

NORTH

MCI

PROJECT: 916055, 916056, 916117

CELL SITE: LSV CASHMAN FIELD

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
FIBER TOTALS	
FIBER SIZE/LENGTH:	864F/4,577'

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CASHMAN FIELD

PROJECT TITLE

DATE: 7/18/2018

DRAWN BY: ERAMSEY

REVISIONS

DATE	INITIAL

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP _____ TO MP _____

SHEET 15 OF 15

FILE: LSV CASHMAN FIELD

M:\VERIZON ONEFIBER\LAS VEGAS\LSV FOREMASTER\LSV CASHMAN FIELD\CONSTRUCTION DRAWINGS