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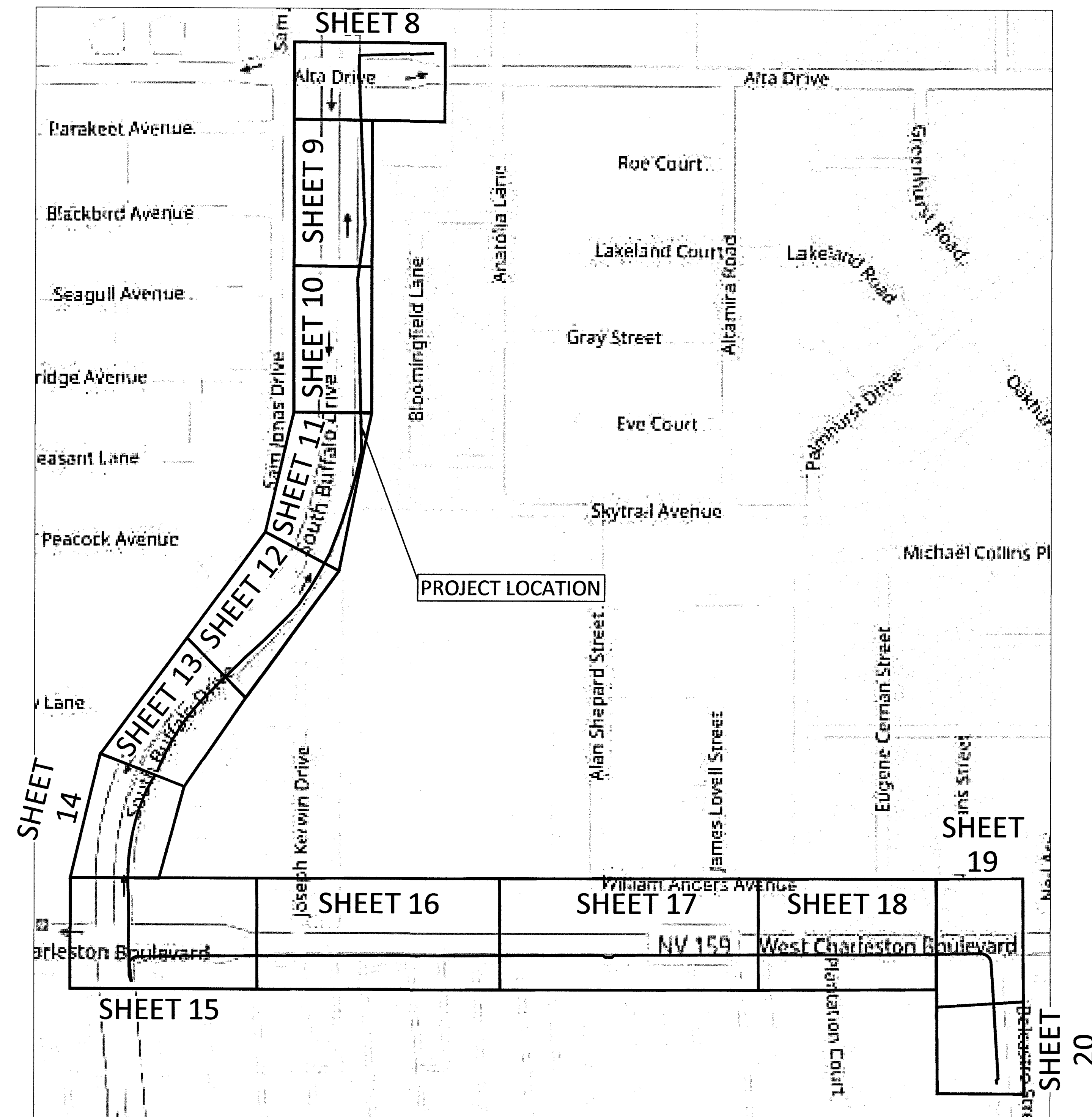
CLARIFICATION NO.	QUANTITY
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OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE	DESCRIPTION	INITIAL

FILE: LSV CRYSTAL CAVE



GENERAL NOTES / CLARIFICATION NOTES



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

PROJECT TITLE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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

SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 2 OF 21

FILE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLICWORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLICWORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHENWORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTIONTHEREWITH.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTSWHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
- PERMITS ARE REQUIRED FOR ANYWORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
- AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
- CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY, REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER. WALL NOTES:
- ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLEWHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDEWITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOODWORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
- SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN ANDWHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATESWHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF ± 0.09 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
- OR
SANITARY SEWER AND STORM DRAIN FACILITIES SHOWN ON THESE PLANS SHALL BE USED TO MEET THE REQUIREMENTS OF NRS 455 AND SHALL SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY. ANY DEVIATIONS FROM THE INFORMATION SHOWN SHALL BE NOTED AND SUBMITTED AS A REVISION TO THE PLANS AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION.
- CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.
- A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.
- REVISED 02/03/15

GENERAL NOTES

- *WORLDCOM COMPRISES THE FOLLOWING OPERATING ENTITIES:
 - BROOKS FIBER PROPERTIES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - SOUTHERNET, INC.
 - MCI WORLDCOM NETWORK SERVICES, INC.
 - COMPRISES MCI TELECOMMUNICATIONS CORP. (MCI LD)
 - AND WORLDCOM NETWORK SERVICES, INC. (WORLDCOM LD)
 - MFS TELECOM, INC.
 - TELECOM*USA, INC.
 - SOUTHERNET SYSTEMS, INC.
 - MCI WORLDCOM NETWORK SERVICES OF VIRGINIA
 - MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
- *THE WORLDCOM FACILITIES WITHIN THIS CONSTRUCTION PACKAGE ARE HELD BY THE OPERATING ENTITY(IES) INDICATED IN BOLD TYPE.
- ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, WORLDCOM TELECOMMUNICATIONS CORPORATIONS, AND THE RIGHT-OF-WAY GRANTOR.
- LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
- ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT AND REPAIR IF DAMAGED.
- ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
- SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
- BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK.
- ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (EG: PVC OR GSP/BSP), OR AS SPECIFIED.
- UNDERGROUND CONDUIT WILL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

ADDENDUM NOTES

CLARIFICATION NOTES

- STATION
- REFERENCE ORDER NUMBER
- CLARIFICATION NO. AND/OR MINIMUM COVER
- CLARIFICATION NO.
- CLARIFICATION NO. AND/OR FOOTAGE
- CLARIFICATION NO. AND/OR FOOTAGE
- SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

- JACK AND DRY BORE CONDUIT(S)
- PLACE CONDUIT
- PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- ROCK ADDER
- SLURRY BACKFILL ADDER
- EXPOSE CONDUIT
- EXPOSE COMDUIT AND RELOCATE
- EXPOSE CONDUIT AND REPLACE/SUBSTITUTE
- EXPOSE AND REMOVE CONDUIT
- EXPOSE AND REMOVE CONDUIT (ABANDONED)
- CONCRETE ENCASE
- REMOVE CONCRETE ENCASEMENT
- REMOVE CONCRETE CAP
- PLACE HANDHOLE
- REMOVE EXISTING HANDHOLE
- RELOCATE HANHOLE
- REPLACE/SUBSTITUTE HANDHOLE
- EXCAVATE SPLICE PIT
- PLACE MANHOLE
- REMOVE EXISTING MANHOLE
- RELOCATE PRECAST MANHOLE
- REPLACE/SUBSTITUTE PRECAST MANHOLE
- CONSTRUCT WALL
- REMOVE AND RESTORE ASPHALT
- REMOVE AND RESTORE CONCRETE
- REMOVE AND RESTORE SIDEWALK
- REMOVE AND RESTORE CURBING
- ATTACH CONDUIT TO WALL OR STRUCTURE
- DETACH CONDUIT FROM WALL OR STRUCTURE
- CORE BORE
- ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
- PULL CABLE
- PULL THROUGH DUCT (INNERDUCT)
- REMOVE CABLE FROM CONDUIT
- REPOSITION ACTIVE CABLE SLACK
- DIRECT BURY CABLE
- EXPOSE DIRECT BURIED CABLE
- EXPOSE DIRECT BURIED CABLE AND RELOCATE
- REMOVE AND DISPOSE OF CABLE
- PLACE AERIAL CABLE
- RELOCATE AERIAL CABLE
- DELASH AERIAL CABLE
- RELASH AERIAL CABLE
- REMOVE AERIAL CABLE
- PLACE POLE/PUSH BRACE
- REMOVE POLE/PUSH BRACE
- JETTING CONDUIT
- EMBEDMENT PLOW
- DIRECTIONAL BORE
- PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM
- WATER CROSSING SIGNS
- PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES
- REMOVE BURIED CABLE MARKER POST/HARDWARE
- REMOVE CONCRETE BURIED CABLE MARKER POST

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

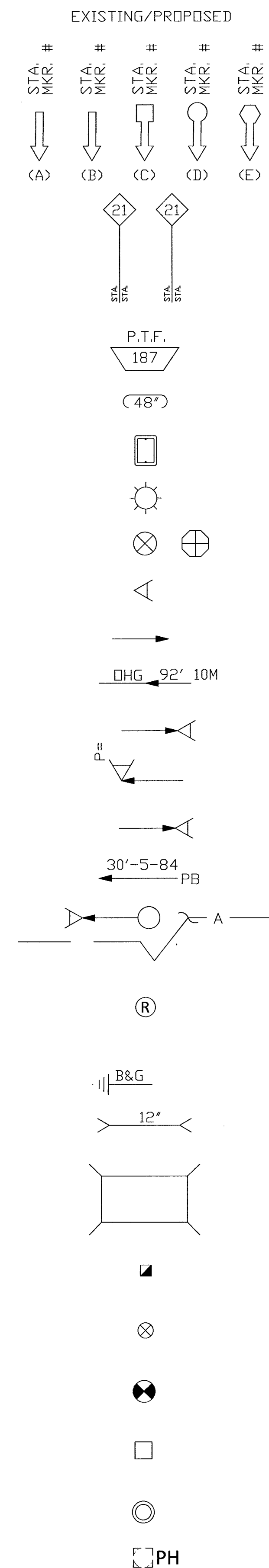
VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
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This is a blank sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is a vertical margin line on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard ruled document.

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

PROJECT TITLE

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SCALE

HORIZONTAL: $1''=30'$

VERTICAL:	NA
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MP	TO MP
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SHEET 4 OF 21

2.5' x 5' x 2.5' HANDHOLE DETAILS



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SCALE

HORIZONTAL: 1"=30'

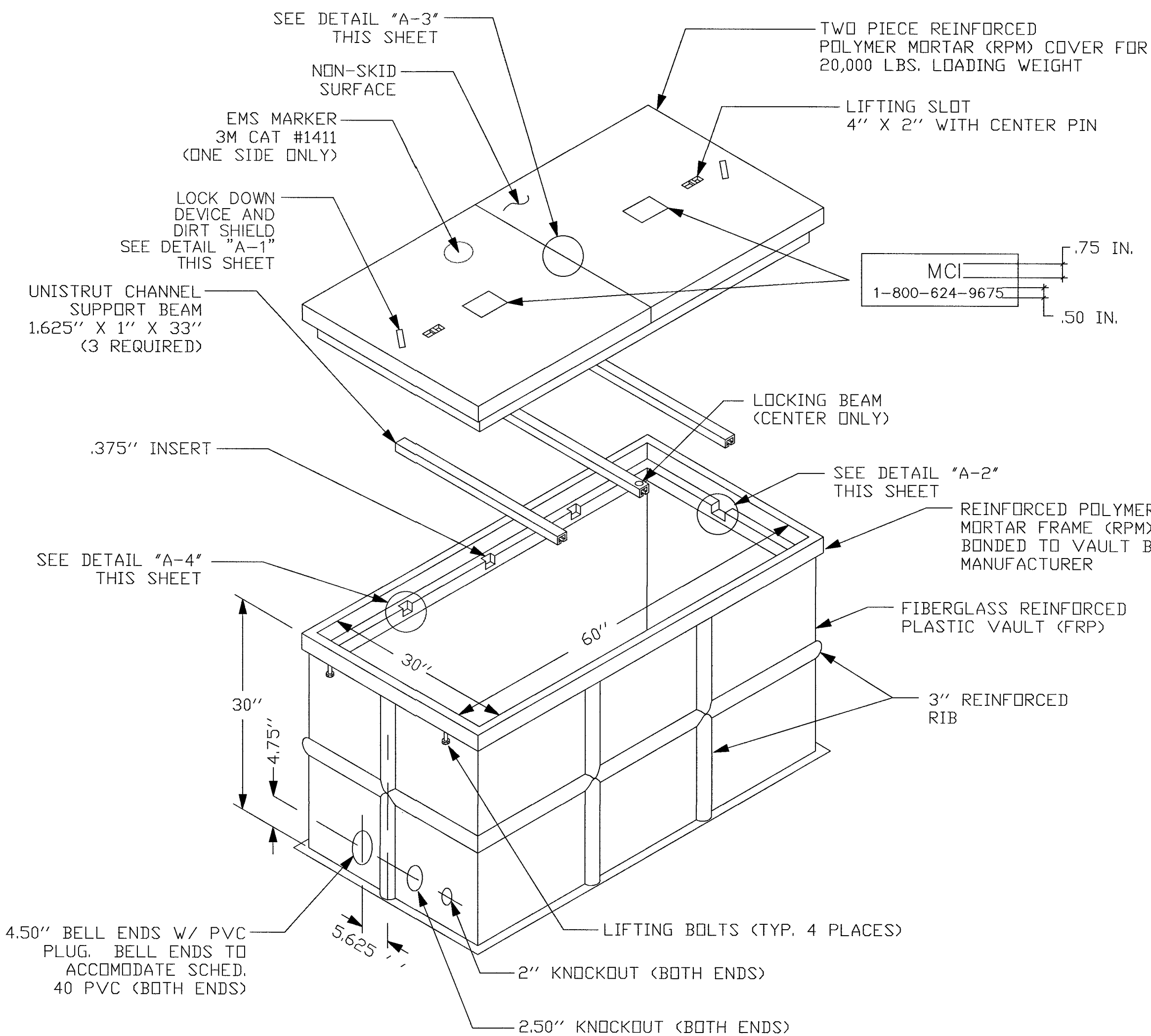
VERTICAL: NA

MP TO MP

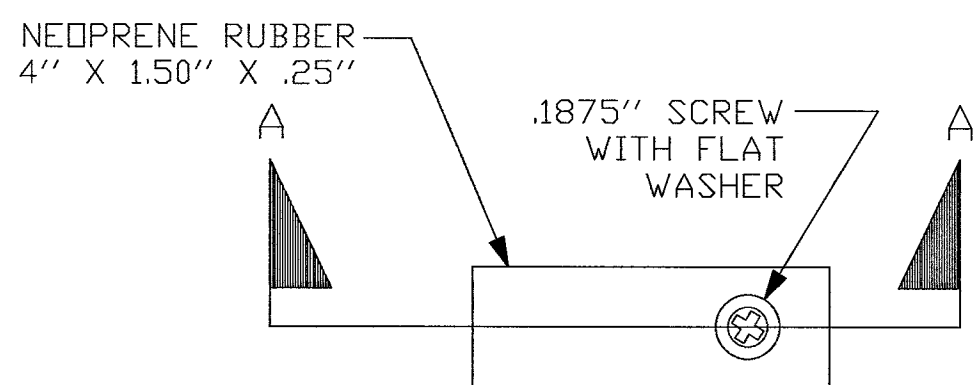
SHEET 6 OF 21

FILE: LSV CRYSTAL CAVE

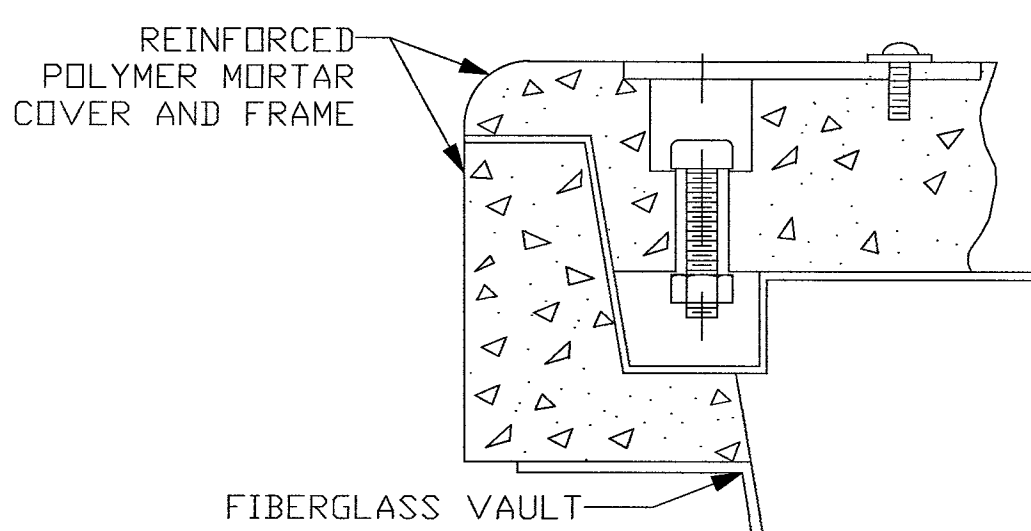
DETAIL "A"
EXPLODED ISOMETRIC DETAIL



DETAIL "A-1"
LOCK DOWN DEVICE

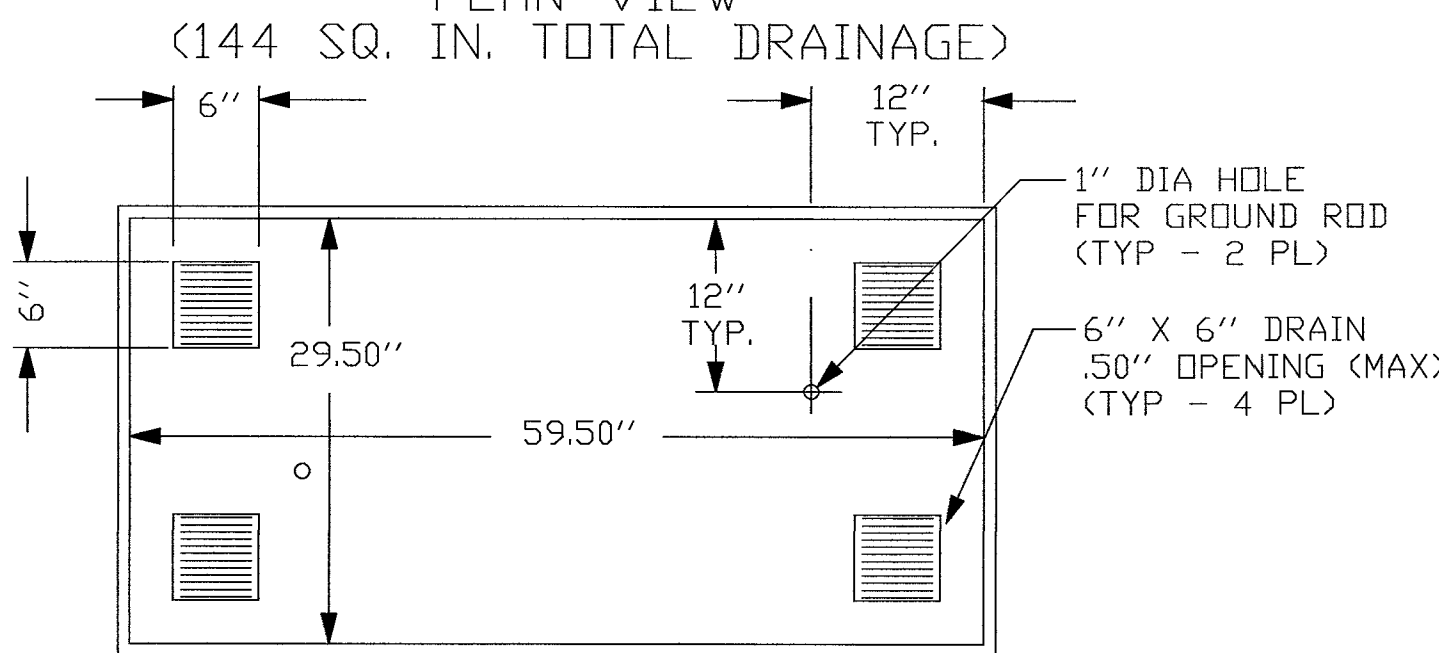


SECTION A-A
LOCKING DEVICE CROSS SECTION



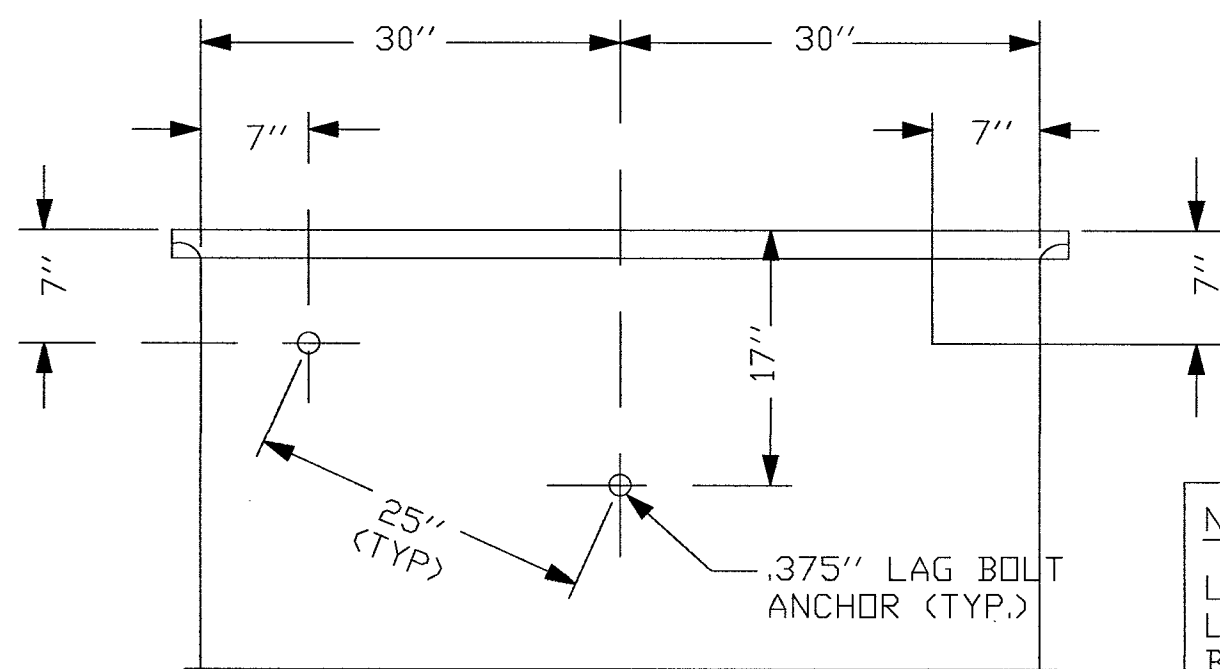
DETAIL "B"

VAULT BOTTOM PLAN VIEW



DETAIL "D"

SIDE WALL VIEW INSIDE LOOKING OUT



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

NOTES:

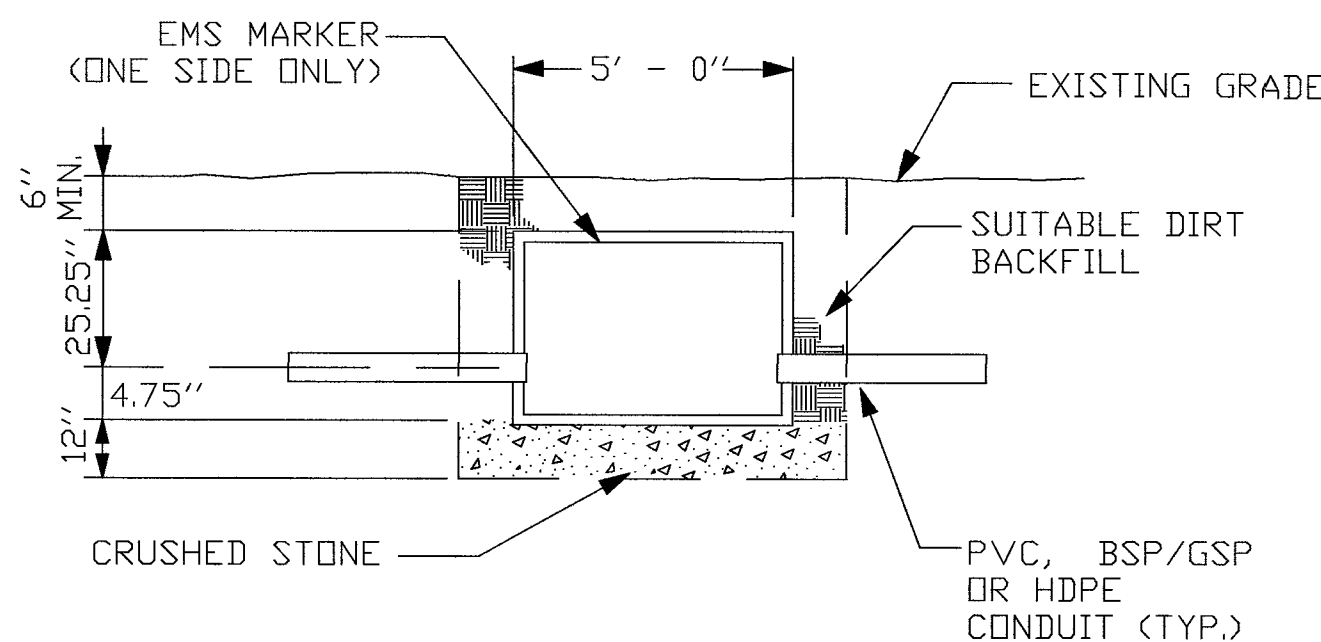
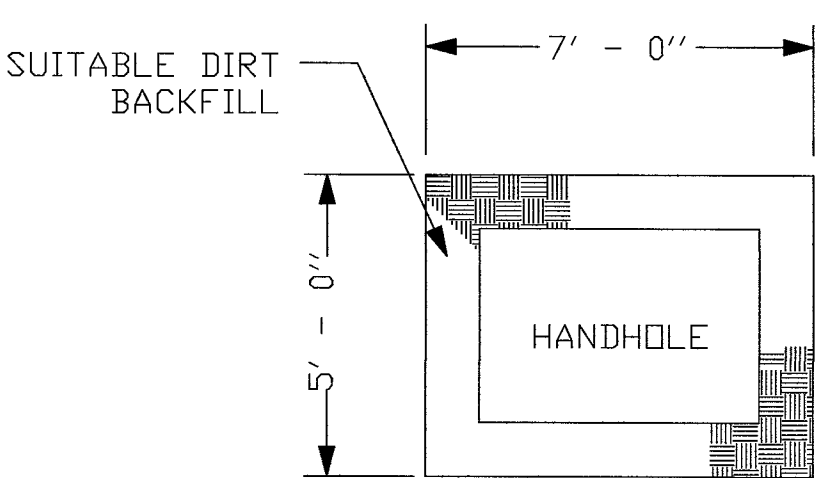
- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
- BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (.75" GRADE).
- SHORING WILL BE REQUIRED.
- ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
- THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS IN WEIGHT.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

DETAIL "C"

EXCAVATION PIT

PLAN

PROFILE



FILE #
A6-1974TAPMCJ3



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

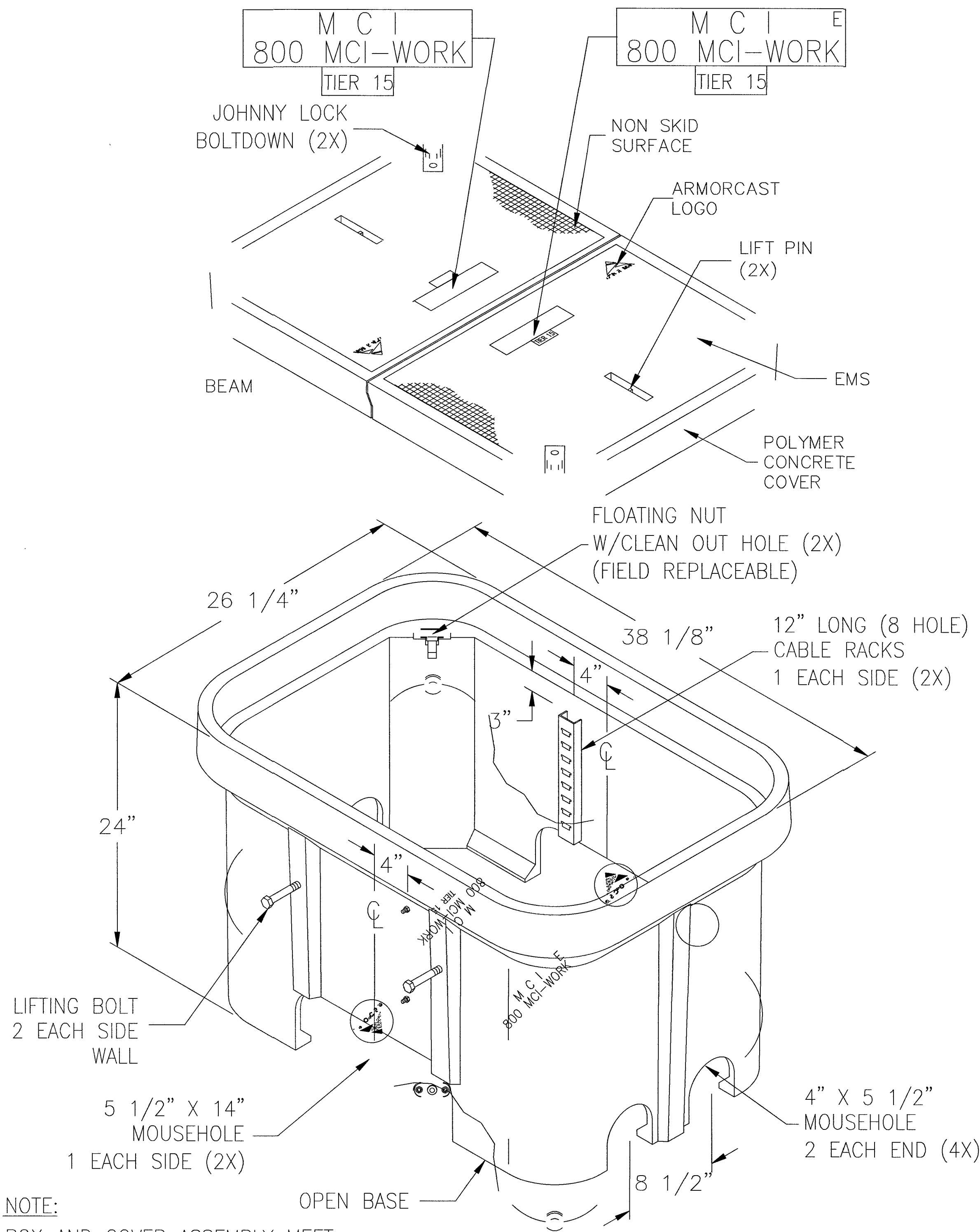
ARMORCAST® PRODUCTS COMPANY
"THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE REPRODUCED OR ITS CONTENTS DIVULGED IN ANY WAY WHATSOEVER EXCEPT WITH THE PRIOR WRITTEN APPROVAL OF ARMORCAST PRODUCTS COMPANY. IT IS THE PROPERTY OF AND MUST BE RETURNED TO ARMORCAST PRODUCTS COMPANY,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

MAX. LOAD TIER 15	DRAWING NUMBER A6001974TAPMCJ3
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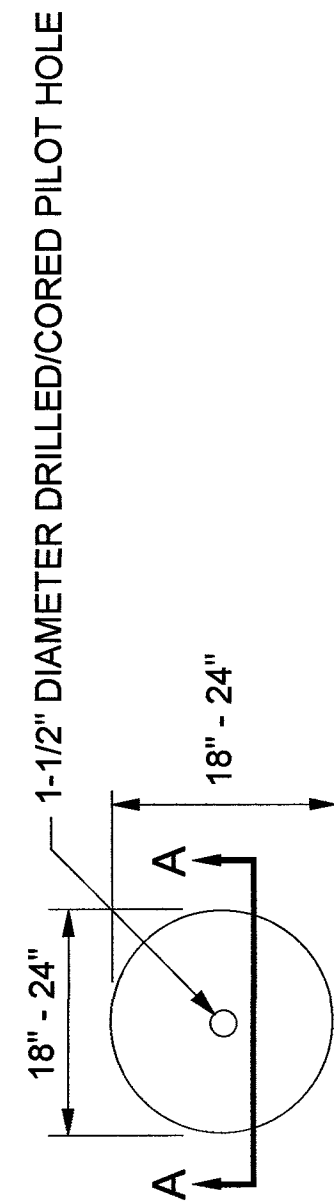


NOTE:
BOX AND COVER ASSEMBLY MEET
ANSI/SCTE 77 TIER 15 LOADING

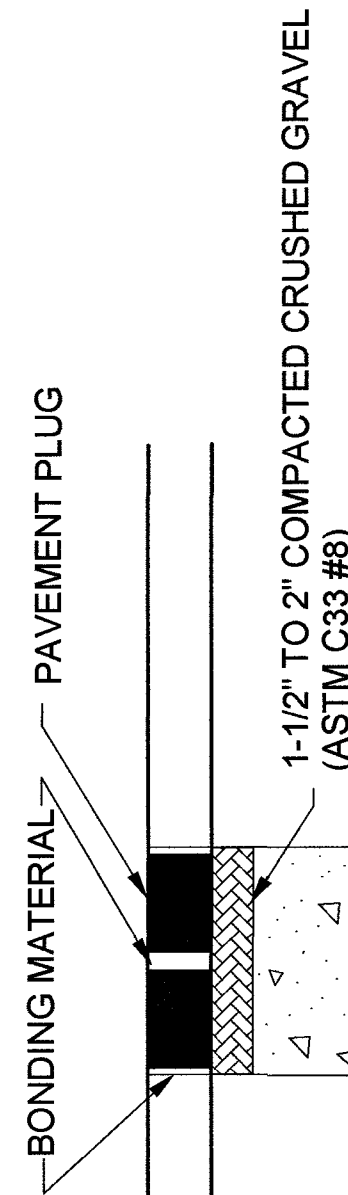
TYPE B - KEYHOLE REPAIR REQUIRED FOR ROW WIDTH GREATER THAN 60' OPTIONAL FOR ROW WIDTH 60' OR LESS

NOTES:

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

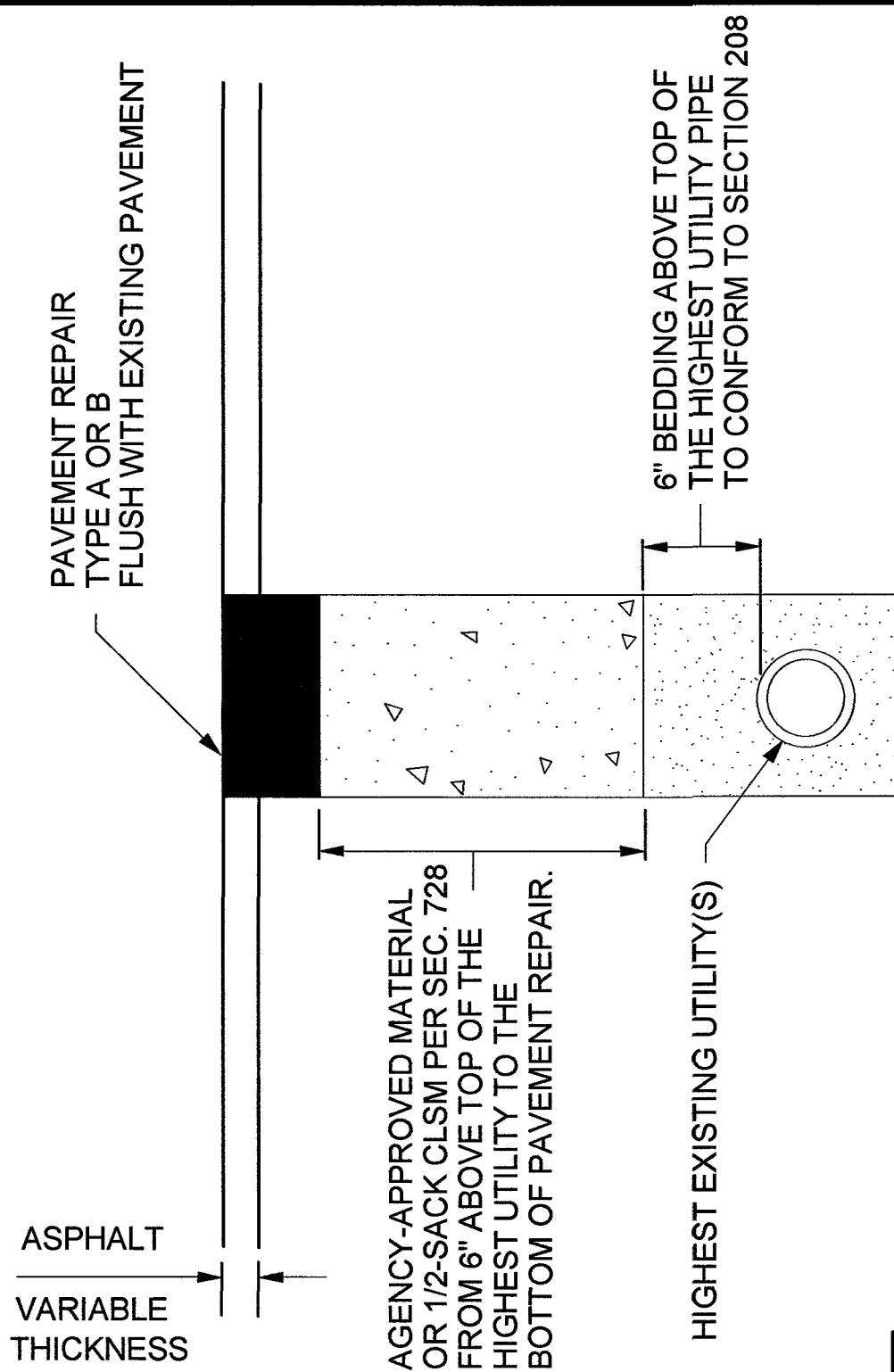


POT HOLE PLAN VIEW
(NOMINAL DIMENSIONS)



POT HOLE PROFILE

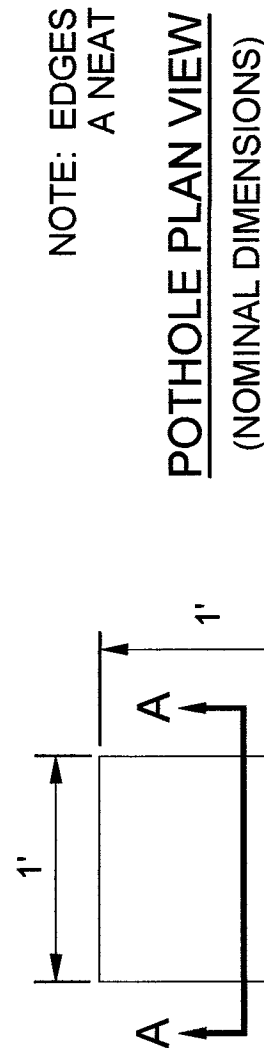
PAVEMENT REPAIR
TYPE A OR B
FLUSH WITH EXISTING PAVEMENT



SECTION A-A

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

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



POT HOLE PLAN VIEW
(NOMINAL DIMENSIONS)

TACK EDGES

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

SPECIFICATION REFERENCE		AGENCY APPROVED					
215	KEYHOLE POT HOLE EXCAVATION AND BACKFILL	B	C	H	L	M	N
		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA					
		UTILITY POT HOLE REPAIR					
		DATE 01-01-12	DWG. NO.	506			



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SCALE

HORIZONTAL: 1"=30'

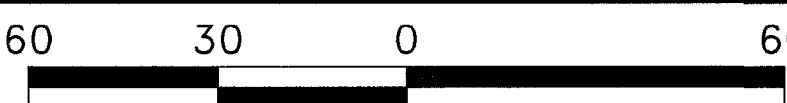
VERTICAL: NA

MP TO MP

SHEET 7 OF 21

FILE: LSV CRYSTAL CAVE

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	-
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	430'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	430'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

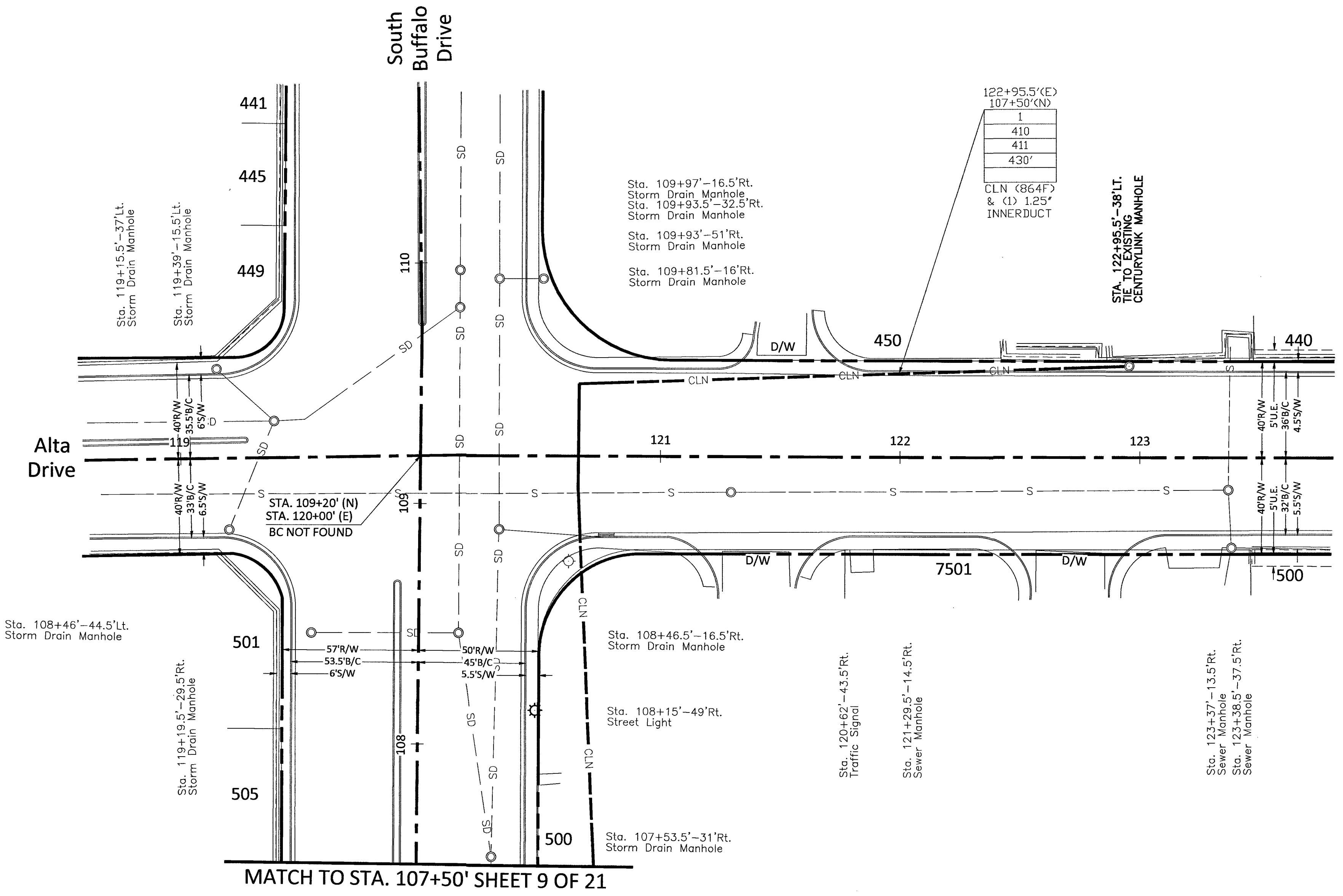
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 8 OF 21

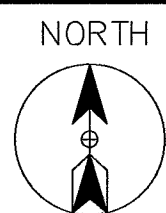
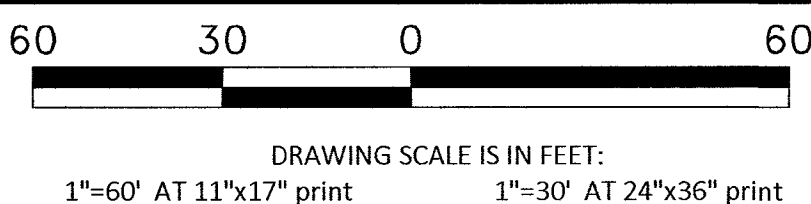
FILE: LSV CRYSTAL CAVE



- 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	
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.	

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	6'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	56'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	1
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	451'
TRENCH:	56'
BORE:	-
TOTAL NEW UG FOOTAGE:	56'
TOTAL FOOTAGE:	507'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

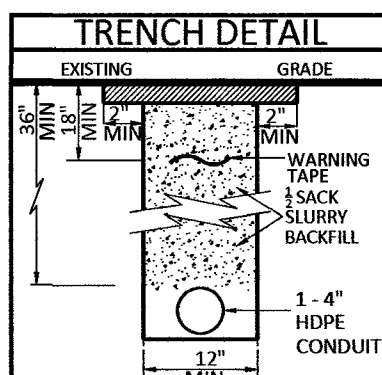
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 9 OF 21

FILE: LSV CRYSTAL CAVE



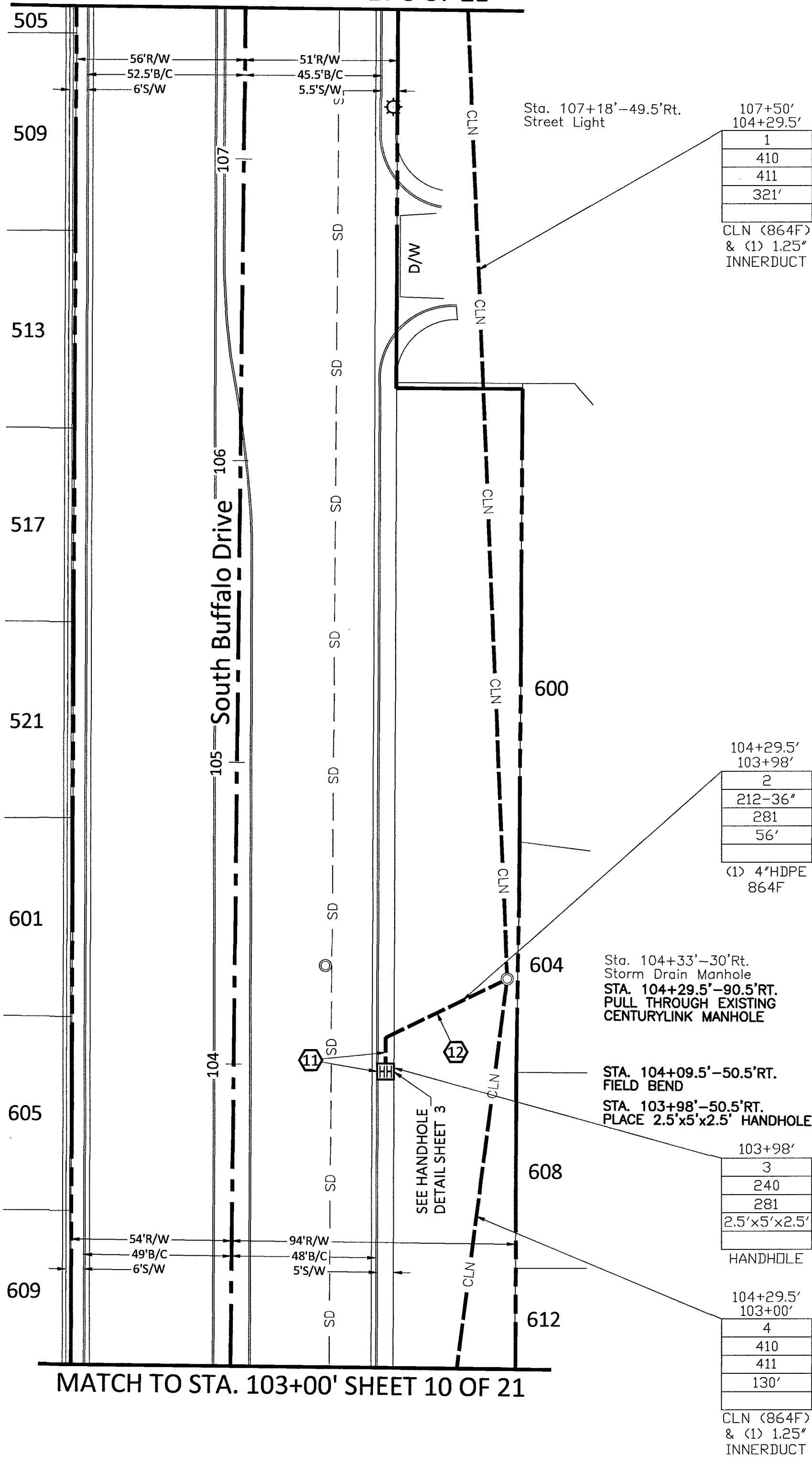
- 210 PLACE CONDUIT
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
240 PLACE HANDHOLE
250 PLACE MANHOLE
270 REMOVE AND RESTORE ASPHALT
280 REMOVE AND RESTORE CONCRETE
281 REMOVE AND RESTORE SIDEWALK
282 REMOVE AND RESTORE CURBING
410 PULL CABLE
411 PULL THROUGH DUCT (INNERDUCT)
520 PLACE AERIAL CABLE
630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

RTC NOTES:

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

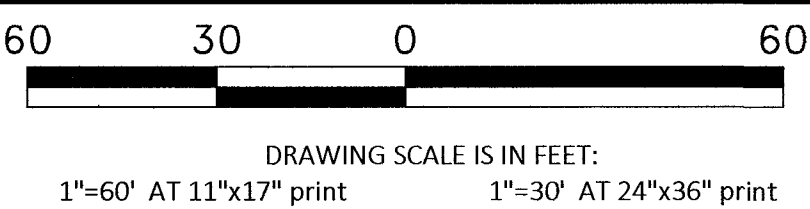
- (1) 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
(2) 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
(3) 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
(4) 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
(5) 500.5 OVER 5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

MATCH TO STA. 107+50' SHEET 8 OF 21



MATCH TO STA. 103+00' SHEET 10 OF 21

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	-
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	450'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	450'

MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

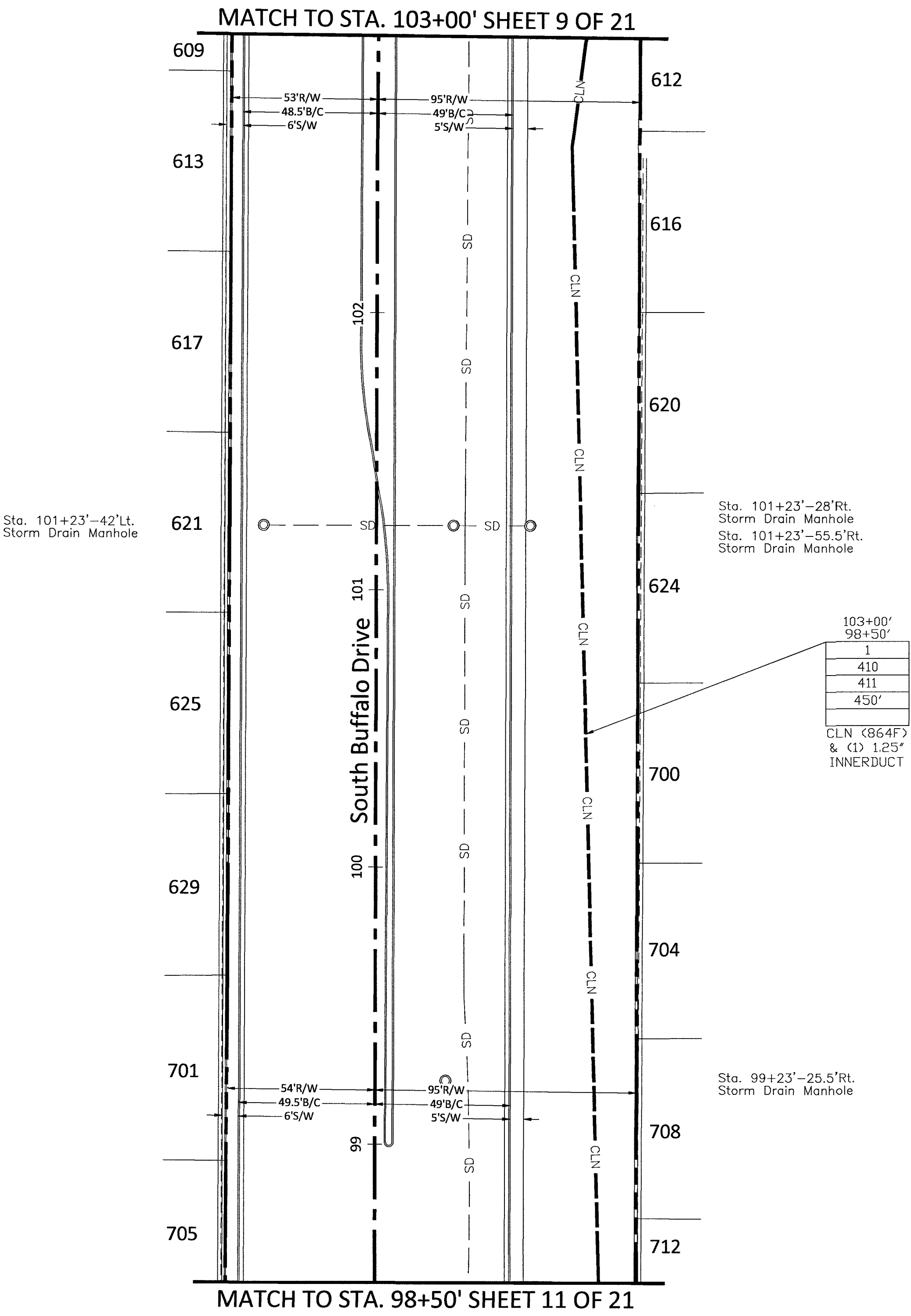
MP TO MP

SHEET 10 OF 21

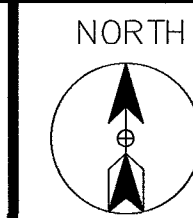
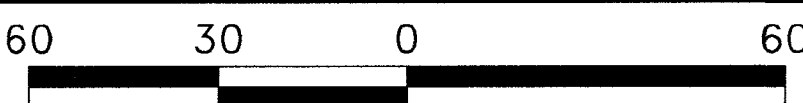
FILE: LSV CRYSTAL CAVE

- 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
(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



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	-
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	485'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	485'

MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS		
DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

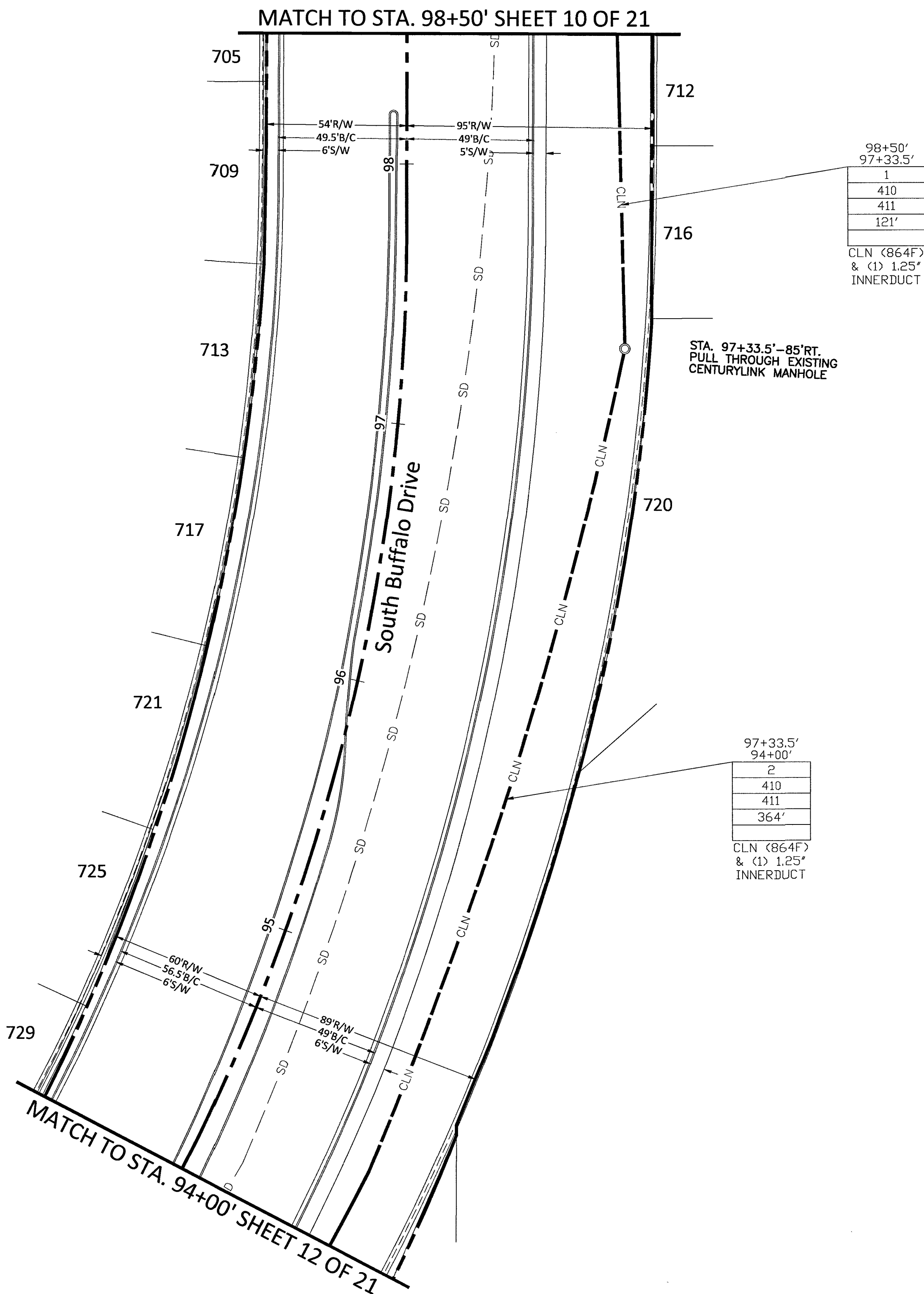
MP TO MP

SHEET 11 OF 21

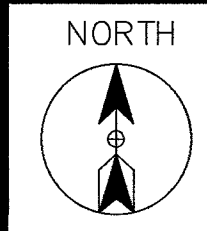
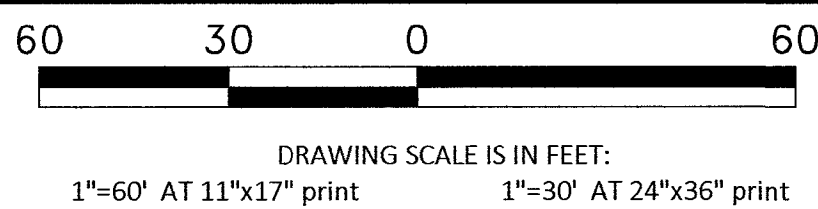
FILE: LSV CRYSTAL CAVE

- 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	
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(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
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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.



CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	6'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	22'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	1
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	468'
TRENCH:	22'
BORE:	-
TOTAL NEW UG FOOTAGE:	22'
TOTAL FOOTAGE:	490'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

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SCALE

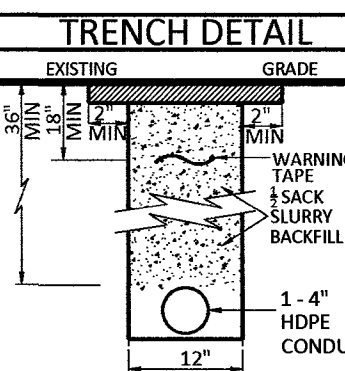
HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

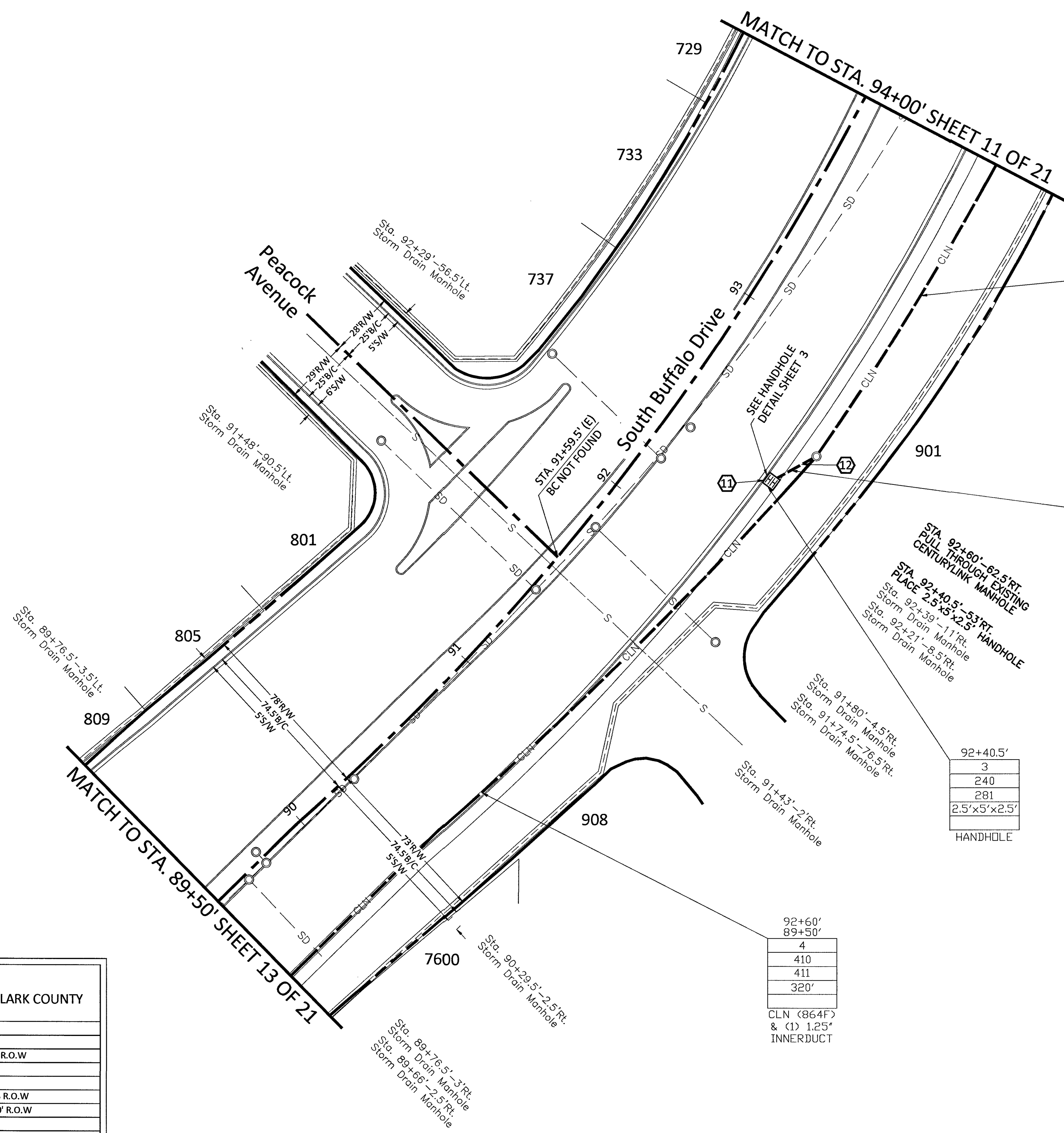
SHEET 12 OF 21

FILE: LSV CRYSTAL CAVE



- 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
(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.



94+00'
92+60'
1
410
411
148'

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

92+60'
92+40.5'
2
212-36'
-
22'

(1) 4\"/>

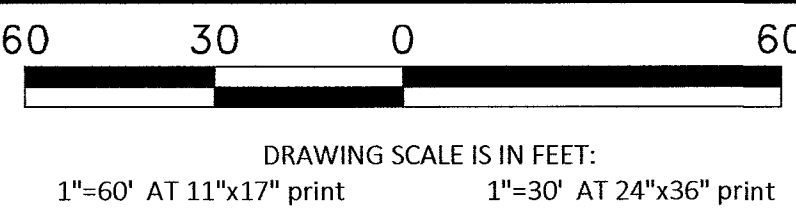
92+40.5'
3
240
281
2.5'x5'x2.5'

HANDHOLE

92+60'
89+50'
4
410
411
320'

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

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	-
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	377'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	377'

MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

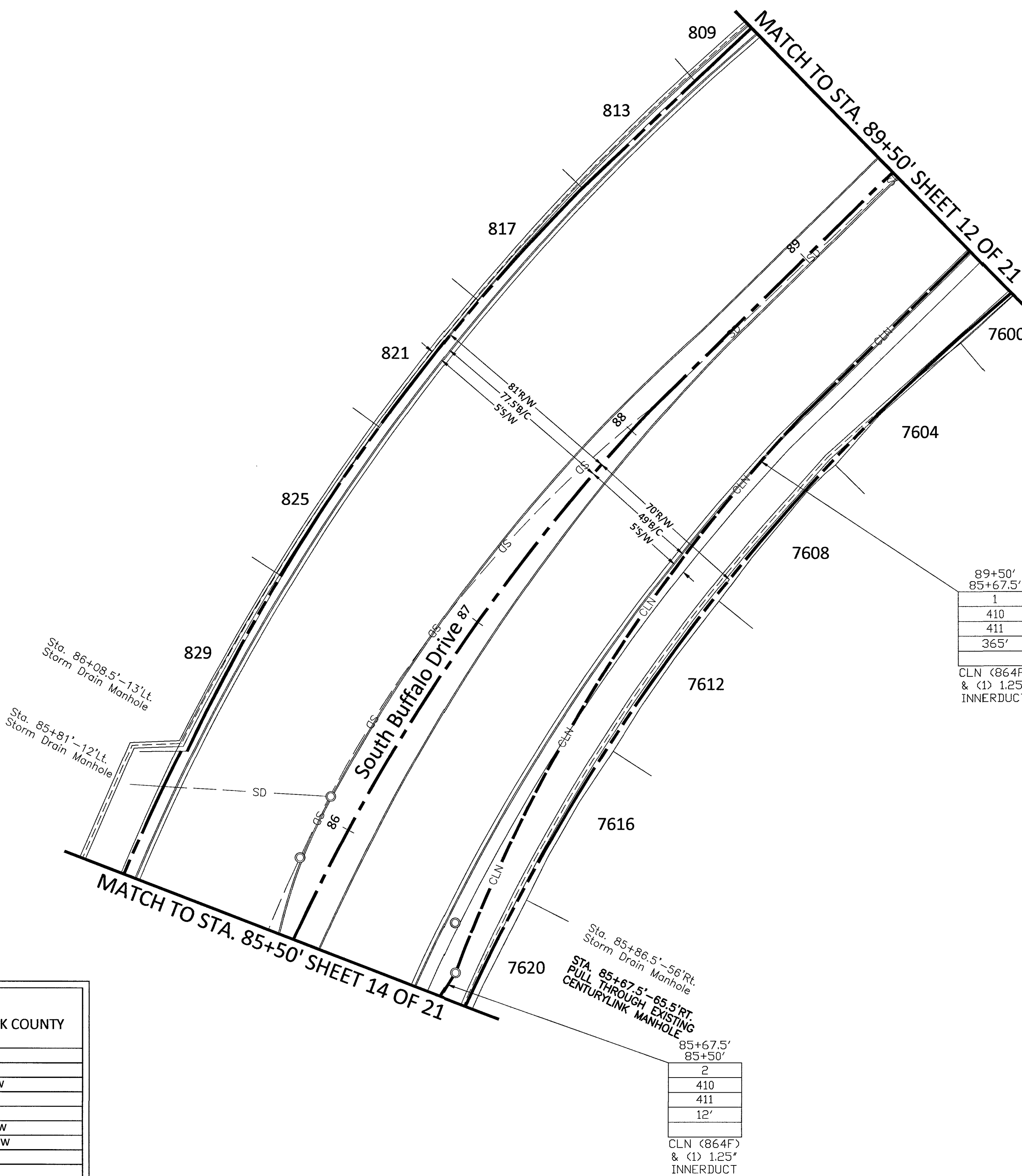
MP TO MP

SHEET 13 OF 21

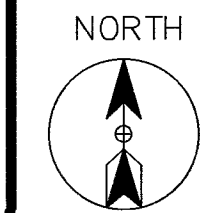
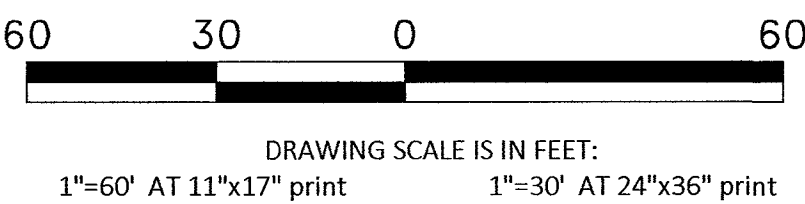
FILE: LSV CRYSTAL CAVE

- 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
(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



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	-
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	332'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	332'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 14 OF 21

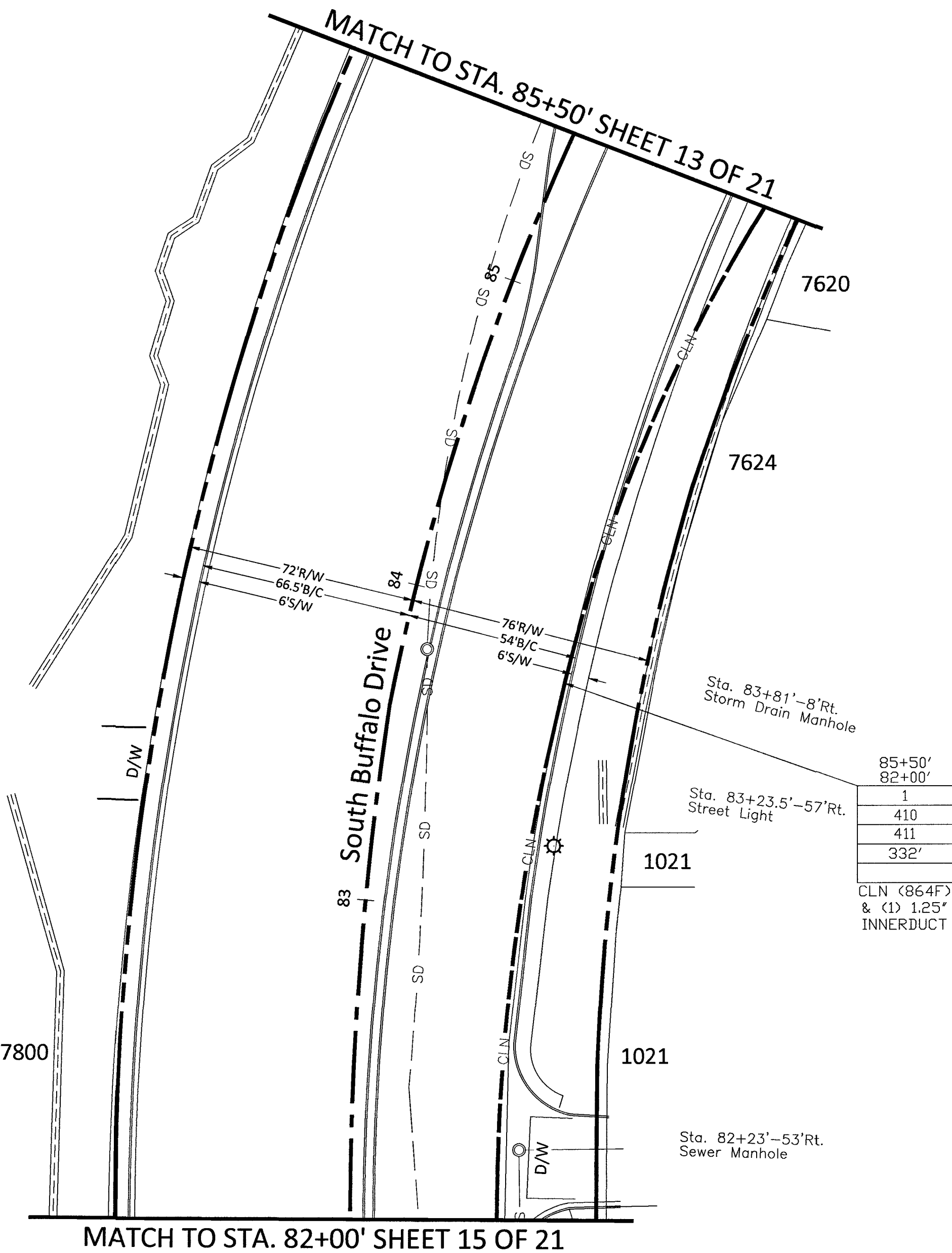
FILE: LSV CRYSTAL CAVE

- 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
(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.



M:\VERIZON ONEFIBER\LAS VEGAS\LSV WASHINGTON DECATUR\LSV CRYSTAL CAVE\CONSTRUCTION DRAWINGS

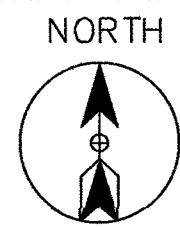
CONSTRUCTION DRAWING

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.

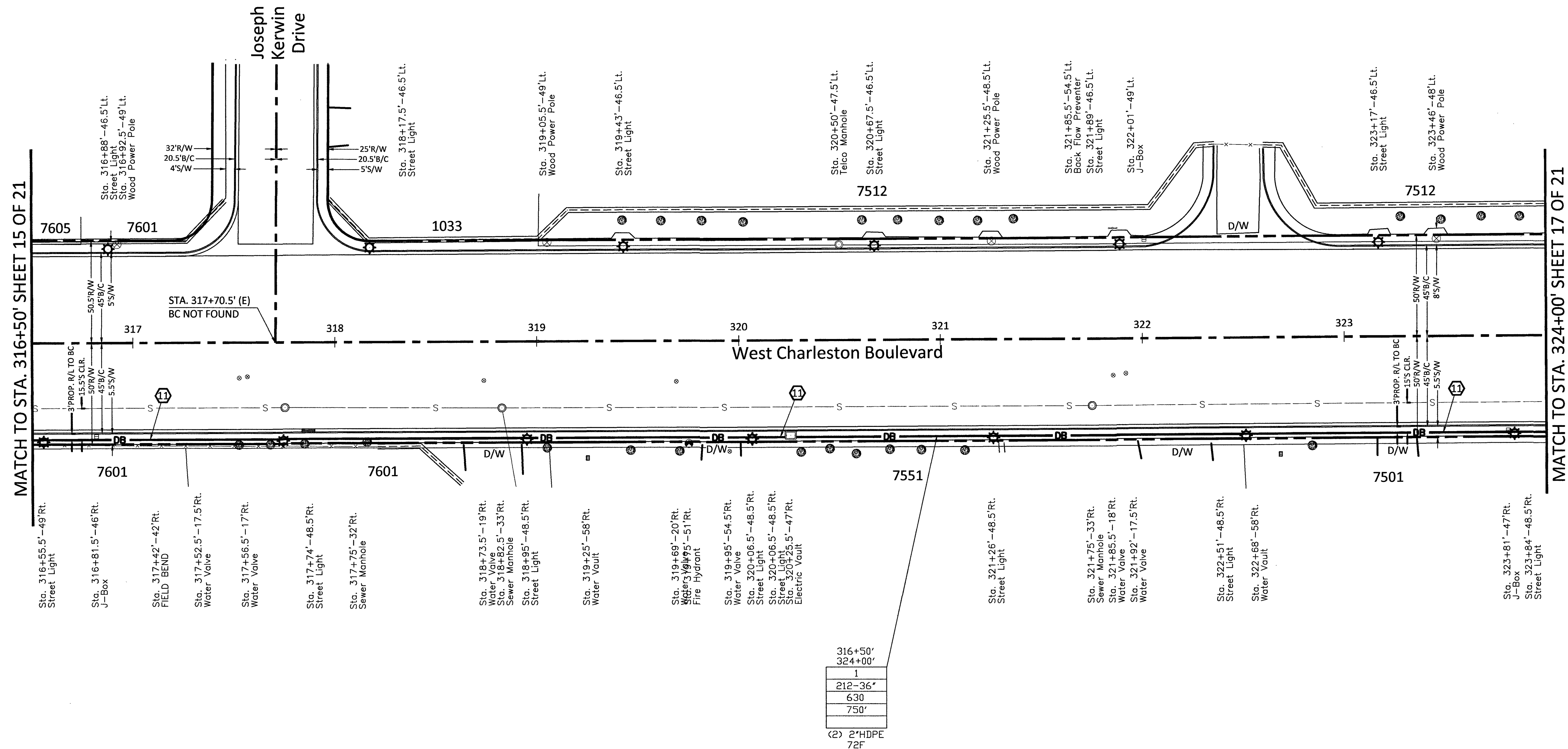


CELL SITE: LSV CRYSTAL CAVE -
06-05-19

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	1500'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
TRENCH:	-
BORE:	750'
TOTAL NEW UG FOOTAGE:	750'
TOTAL FOOTAGE:	750'



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

DATE: 6/5/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

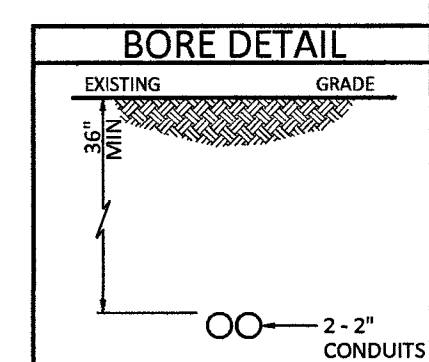
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VERTICAL: NA

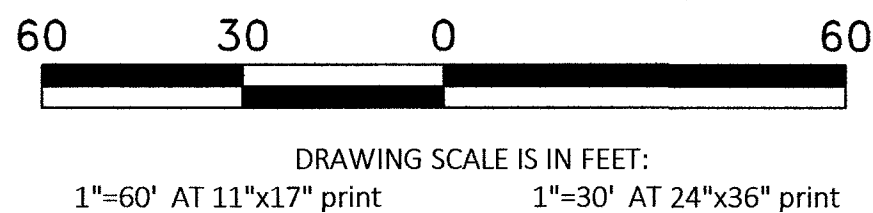
MP TO MP

SHEET 16 OF 21

LSV CRYSTAL CAVE -
FILE: 06-05-19



CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE -
06-05-19

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	1,606'
2.5" HDPE CONDUIT:	-
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' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
TRENCH:	-
BORE:	800'
TOTAL NEW UG FOOTAGE:	800'
TOTAL FOOTAGE:	800'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE -
06-05-19

DATE: 6/5/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

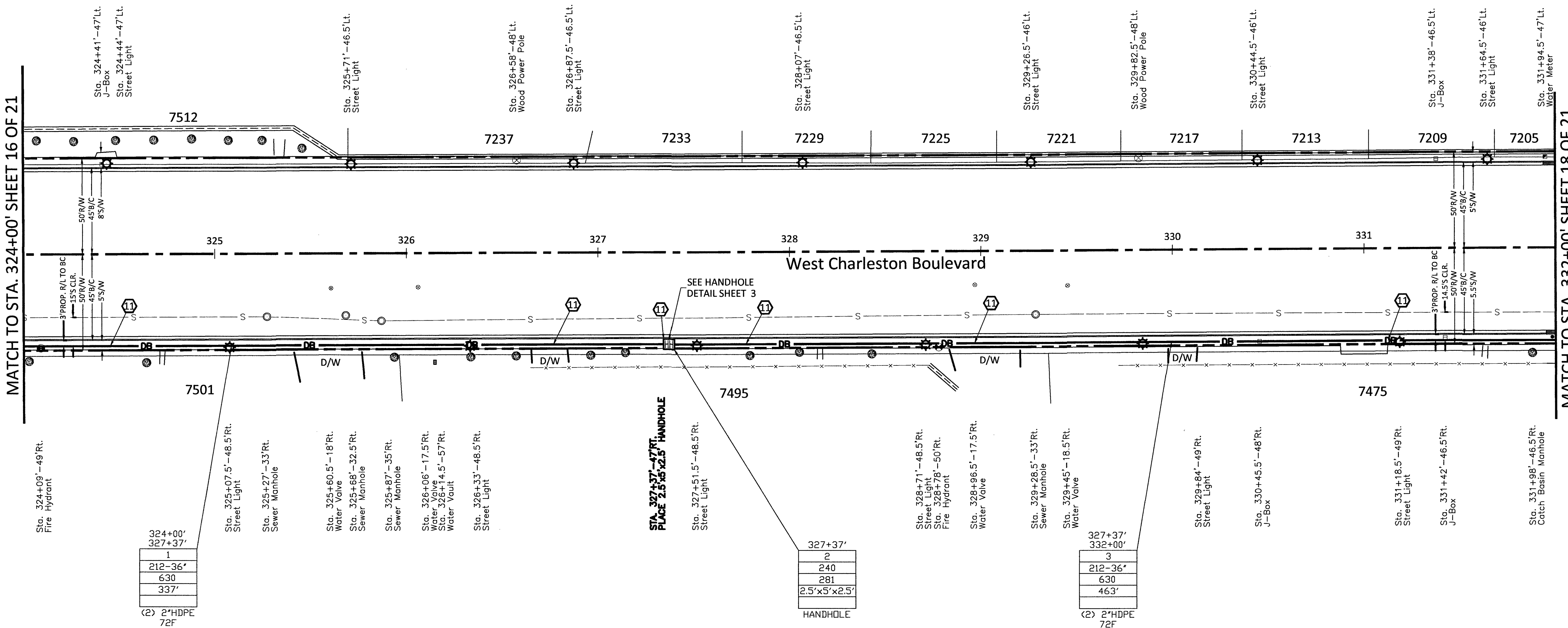
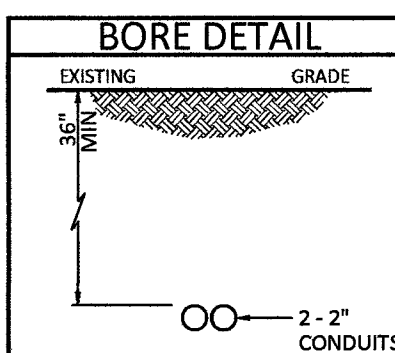
HORIZONTAL: 1"=30'

VERTICAL: NA

MP ____ TO MP ____

SHEET 17 OF 21

LSV CRYSTAL CAVE -
FILE: 06-05-19



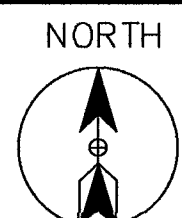
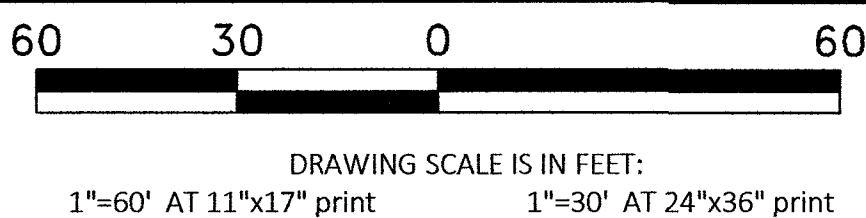
RTC NOTES:

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

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

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

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV CRYSTAL CAVE -
06-05-19

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	1,100'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
TRENCH:	550'
BORE:	-
TOTAL NEW UG FOOTAGE:	550'
TOTAL FOOTAGE:	550'

COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE -
06-05-19

DATE: 6/5/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP _____ TO MP _____

SHEET 18 OF 21

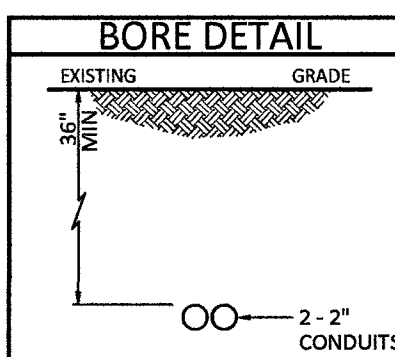
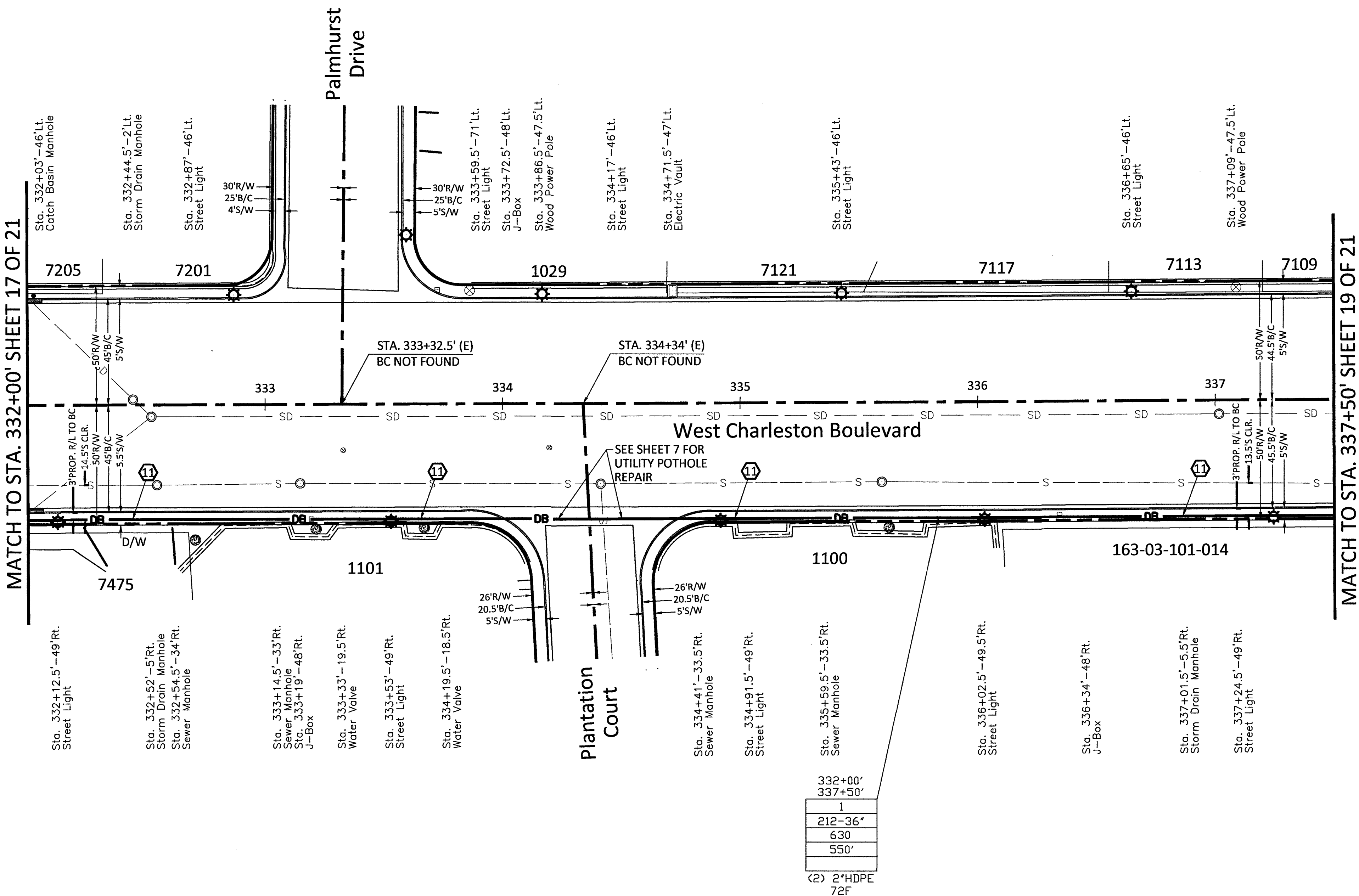
FILE: LSV CRYSTAL CAVE -
06-05-19

RTC NOTES:

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

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(4)	500.4	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
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210	PLACE CONDUIT
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282	REMOVE AND RESTORE CURBING
410	PULL CABLE
411	PULL THROUGH DUCT (INNERDUCT)
520	PLACE AERIAL CABLE
630	DIRECTIONAL BORE

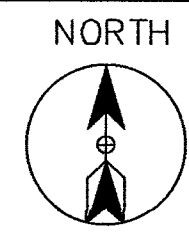


60 30 0 60

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.



CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	602'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
TRENCH:	-
BORE:	301'
TOTAL NEW UG FOOTAGE:	301'
TOTAL FOOTAGE:	301'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

TITLE: CELL SITE: LSV CRYSTAL CAVE -
06-05-19

DATE: 6/5/2019

DRAWN BY: CMENDOZA

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

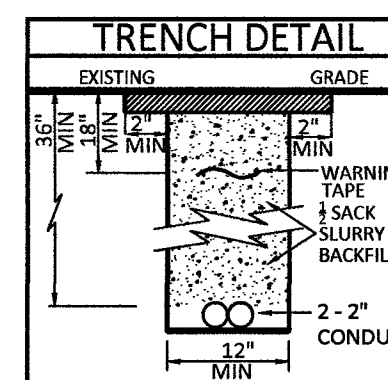
HORIZONTAL: 1"=30'

VERTICAL: NA

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

SHEET 19 OF 21

FILE: LSV CRYSTAL CAVE -
06-05-19

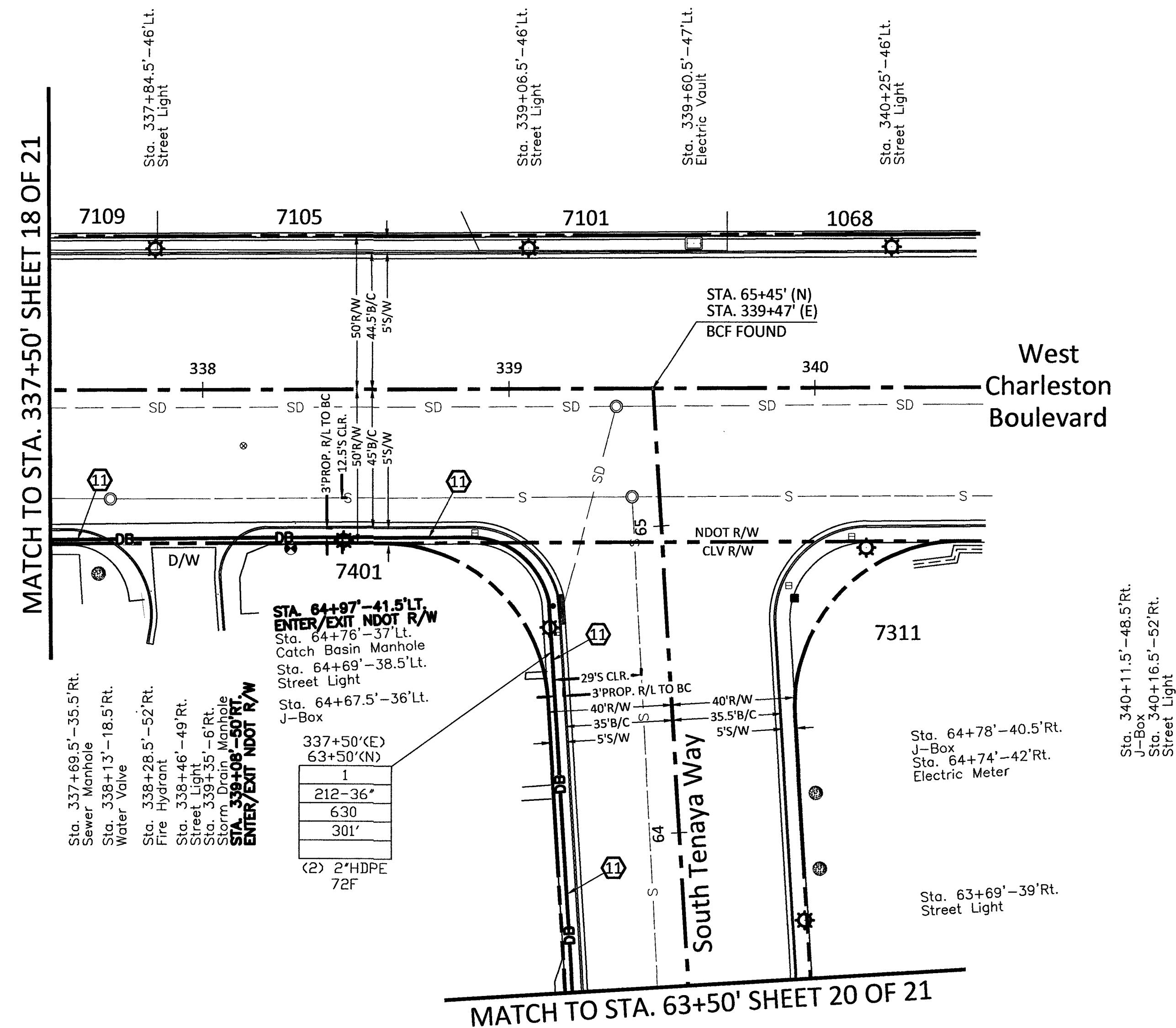


- 210 PLACE CONDUIT
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
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250 PLACE MANHOLE
270 REMOVE AND RESTORE ASPHALT
280 REMOVE AND RESTORE CONCRETE
281 REMOVE AND RESTORE SIDEWALK
282 REMOVE AND RESTORE CURBING
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630 DIRECTIONAL BORE

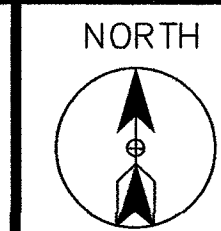
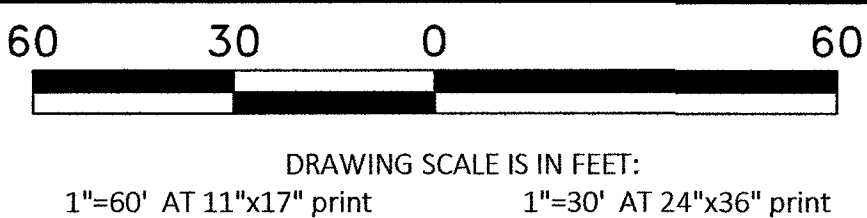
RTC NOTES:

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

4	500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
5	500.2	0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
6	500.3	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. GREATER THAN 60' R.O.W
7	500.4	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. 60' R.O.W OR LESS
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12	503.1	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
13	503.2	METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
14	234	SIDEWALK
15	BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.	



CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



Call at least two full working days
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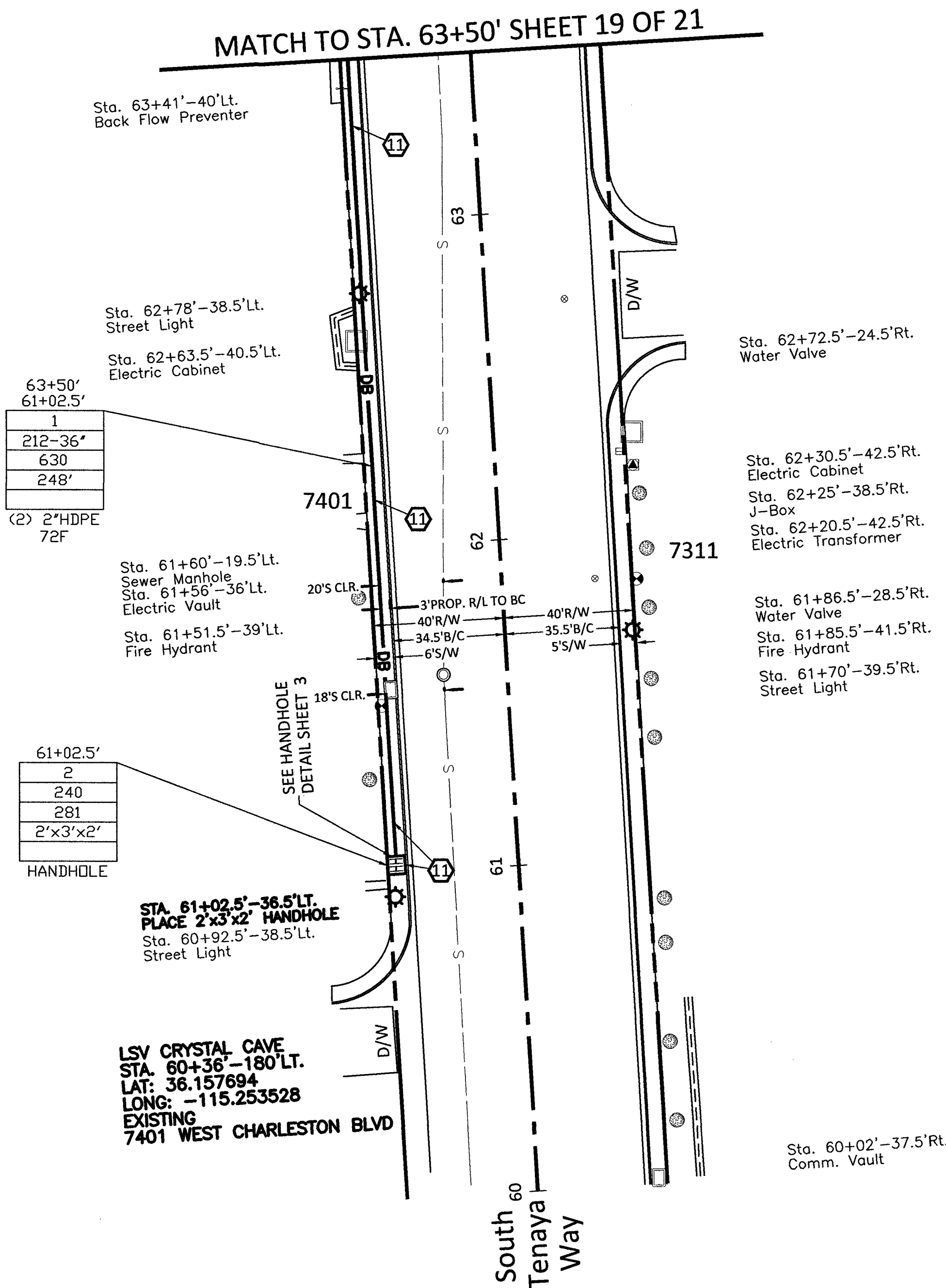


CELL SITE: LSV CRYSTAL CAVE -
06-05-19

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

SHEET TOTAL	
2" HDPE CONDUIT:	496'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	-
2' x 3' x 2' HANDHOLE(S):	1
2.5' x 5' x 2.5' HANDHOLE(S):	-
4' x 4' x 4' MANHOLE(S):	-
MANHOLE(S):	-
AERIAL:	-
VZW CONDUIT:	-
3RD PARTY CONDUIT:	-
TRENCH:	-
BORE:	248'
TOTAL NEW UG FOOTAGE:	248'
TOTAL FOOTAGE:	248'



- 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

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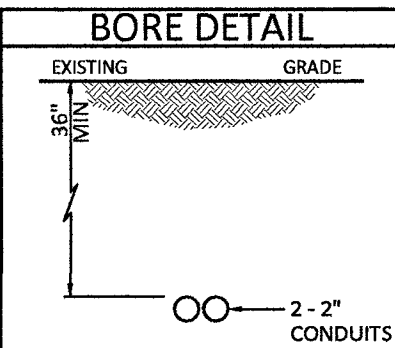
MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CRYSTAL CAVE -
06-05-19

DATE: 6/5/2019
DRAWN BY: CMENDOZA

REVISIONS		
DATE	DESCRIPTION	INITIAL

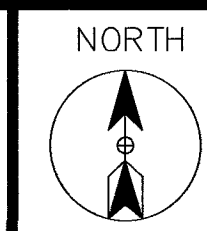
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SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP ____ TO MP ____
SHEET 20 OF 21
FILE: LSV CRYSTAL CAVE -
06-05-19



ROUTE SCHEMATIC

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



CELL SITE: LSV CRYSTAL CAVE

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864/4,063'

FIBER SIZE/LENGTH: 72/3,291'

MCI
COMMUNICATIONS SERVICES, INC.
OUTSIDE PLANT CONSTRUCTION
TITLE: CELL SITE: LSV CRYSTAL CAVE
PROJECT TITLE

DATE: 2/1/2019

DRAWN BY: CMENDOZA

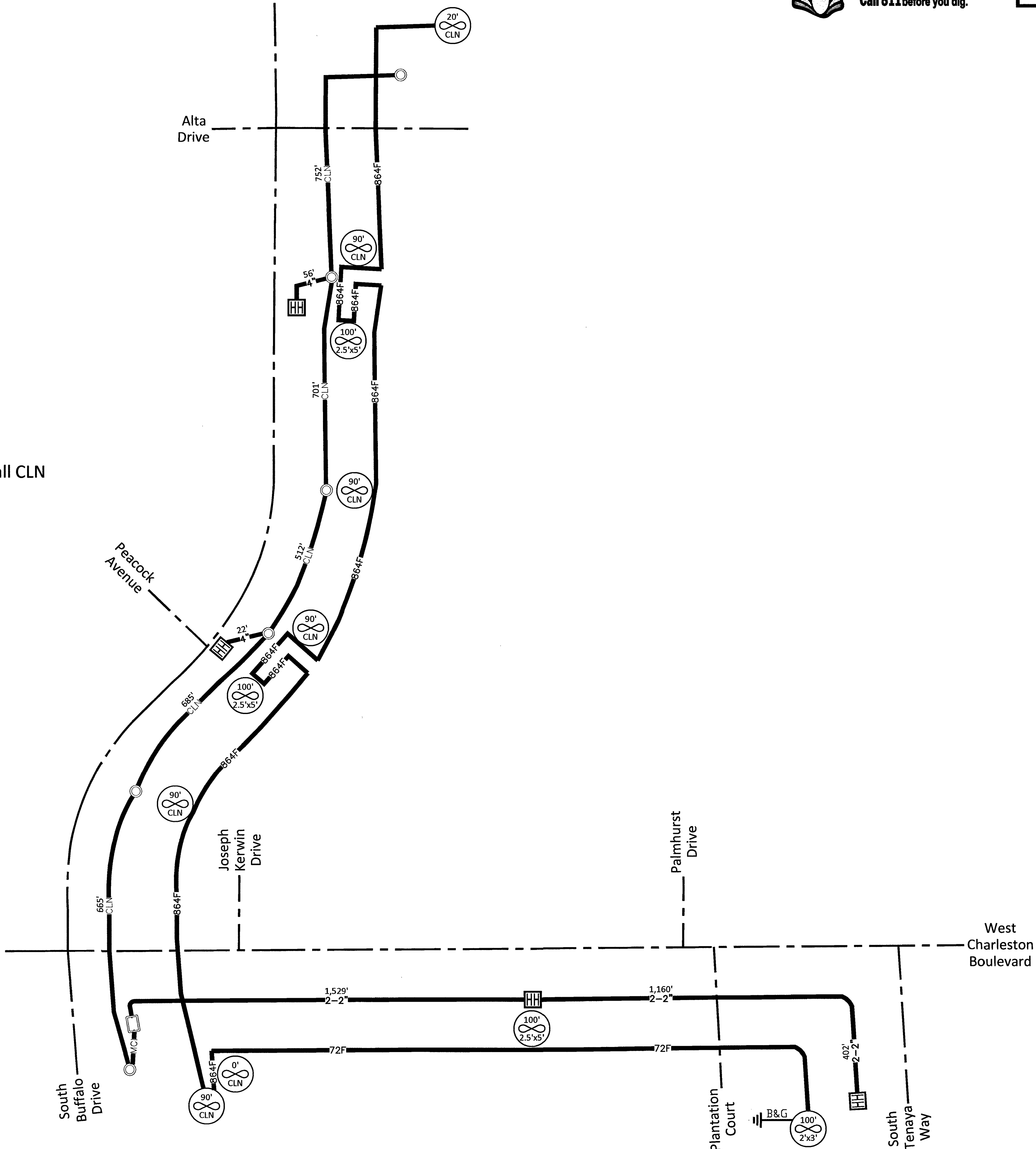
REVISIONS

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SCALE
HORIZONTAL: 1"=30'
VERTICAL: NA
MP TO MP
SHEET 21 OF 21
FILE: LSV CRYSTAL CAVE

*Placing Innerduct at all CLN



SITE-SPAN NAME: CELL SITE: LSV CRYSTAL CAVE									
SITE-SPAN ID: 1708APXY.003									
FQID	SEGMENT	FIBER COUNT	TRENCH	BORE	DB/OT	3RD PARTY	VZ OWNED	AERIAL	TOTAL
FIB:BUR::56001175	911056	864F	'	'	'	3,315'	'	'	3,315'
FIB:BUR::56001175	911142	864F	56'	'	'	'	'	'	56'
FIB:BUR::56001175	911143	864F	22'	'	'	'	'	'	22'
FIB:BUR::56001135	911054	72F	'	2,689'	'	'	'	'	2,689'
FIB:BUR::56001135	911055	72F	'	402'	'	'	'	'	402'