



OUTSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE

PROJECT/AFE #: 1708APXZ.001

NORTH ON NORTH BUFFALO DRIVE FROM
VEGAS DRIVE TO WEST LAKE MEAD BOULEVARD

CITY OF LAS VEGAS, NEVADA

HUB: LSV TENAYA - CELL SITE: LSV ANGEL

CONSTRUCTION DRAWING 3/15/2019

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

NOTE: ALL THE ABOVE GROUND UTILITY APPURTENANCES
SHALL CONFORM TO THE REQUIREMENTS OF CLV UNIFIED
DEVELOPMENT CODE TITLE 19.06 AND 19.08

CITY OF LAS VEGAS
APPROVED FOR CONSTRUCTION

THIS APPROVAL IS FOR WORK IN CLV R/W & EASEMENT ONLY.
OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON
PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

APPROVAL BY: [Signature] 6 25 19
L 19-00662 107/1782-FIB DATE

CLV NOTE: PROTECT ALL EXISTING STORM
DRAIN SYSTEMS AND THE ASSOCIATED
FACILITIES IN PLACE.

JOB #: LSV ANGEL

01/13

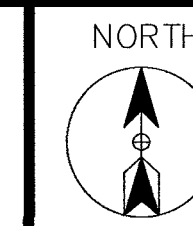
M:\VERIZON ONE FIBER\LAS VEGAS\LSV TENAYA\LSV ANGEL\CONSTRUCTION DRAWINGS

L19-00662 4/11/19

FQNID #:
FIB:BUR::56001260

INDEX SHEET

CITY OF LAS VEGAS, NEVADA



CELL SITE: LSV ANGEL

CITY OF LAS VEGAS, NEVADA

[illegible]

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV ANGEL

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

[illegible]

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SCALE

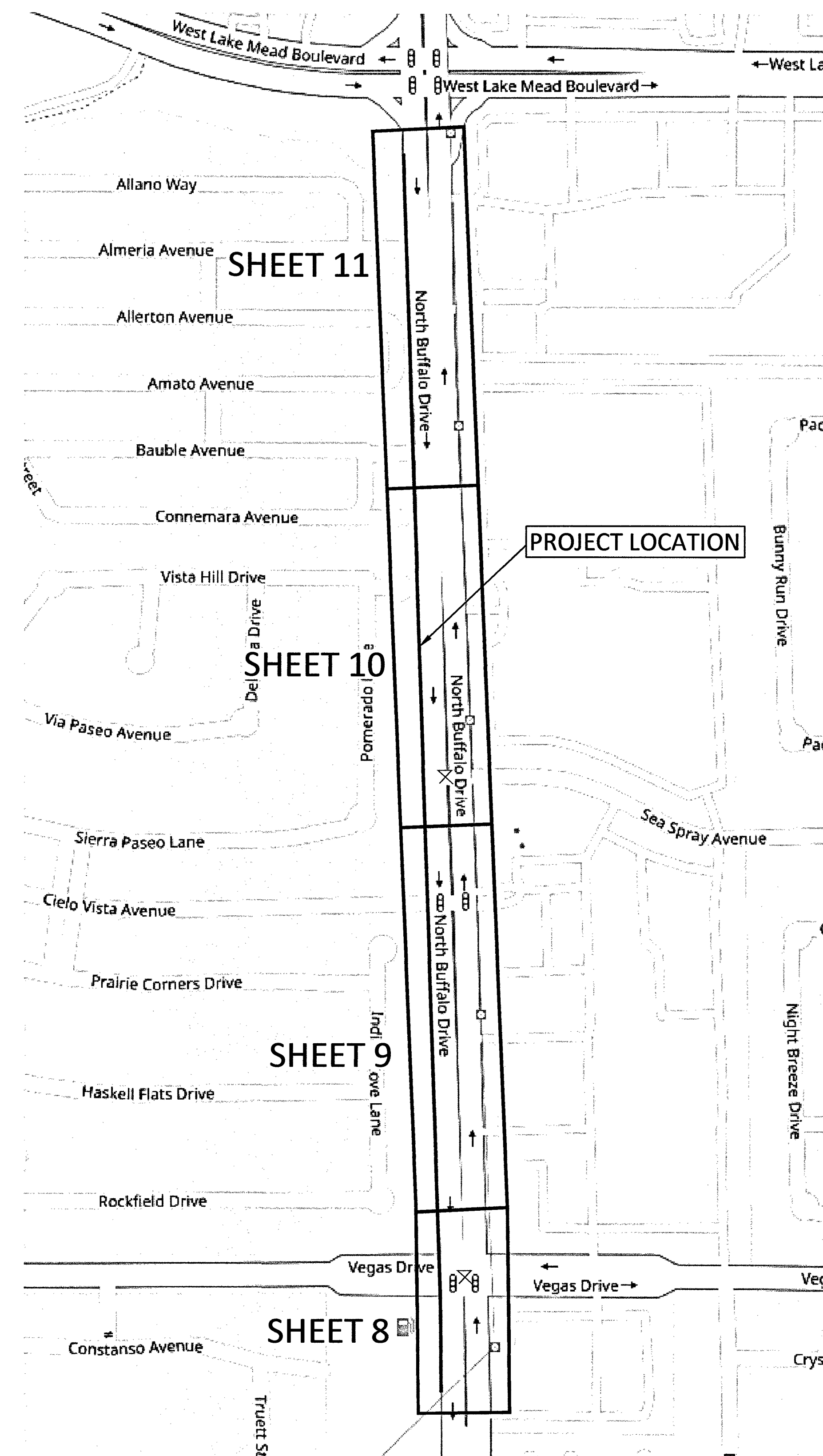
HORIZONTAL: 1"=30'

VERTICAL: NA

MP	TO MP
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SHEET 1 OF 12

FILE: LSV ANGEL



M:\VERIZON ONEFIBER\LAS VEGAS\LSV TENAYA\LSV ANGEL\CONSTRUCTION DRAWINGS

GENERAL NOTES / CLARIFICATION NOTES



CELL SITE: LSV ANGEL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

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

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS		
DATE	DESCRIPTION	INITIAL
-	-	-

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 2 OF 12

FILE: LSV ANGEL

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 WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
 - THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH 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 ANY WORK 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 (½") 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 APPLICABLE WHETHER 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 PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING 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 AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH 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

- * WORLD COM PRIZES THE FOLLOWING OPERATING ENTITIES:
 - BROOKS FIBER PROPERTIES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - SOUTHERNET, INC.
 - MCI WORLD COM NETWORK SERVICES, INC.
 - (COMPRIZES MCI TELECOMMUNICATIONS CORP. (MCI LD)
 - AND WORLD COM NETWORK SERVICES, INC. (WORLD COM LD)
- * THE WORLD COM 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, WORLD COM 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

1. STATION	1.
2. REFERENCE ORDER NUMBER	2.
3. CLARIFICATION NO. AND/OR MINIMUM COVER	3.
4. CLARIFICATION NO.	4.
5. CLARIFICATION NO. AND/OR FOOTAGE	5.
6. CLARIFICATION NO. AND/OR FOOTAGE	6.
7. SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.	7.
110 JACK AND DRY BORE CONDUIT(S)	
210 PLACE CONDUIT	
212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)	
213 ROCK ADDER	
214 SLURRY BACKFILL ADDER	
215 EXPOSE CONDUIT	
216 EXPOSE COMDUIT AND RELOCATE	
217 EXPOSE CONDUIT AND REPLACE/SUBSTITUTE	
218 EXPOSE AND REMOVE CONDUIT	
219 EXPOSE AND REMOVE CONDUIT (ABANDONED)	
220 CONCRETE ENCASE	
221 REMOVE CONCRETE ENCASEMENT	
222 REMOVE CONCRETE CAP	
240 PLACE HANDHOLE	
244 REMOVE EXISTING HANDHOLE	
245 RELOCATE HANHOLE	
247 REPLACE/SUBSTITUTE HANDHOLE	
250 EXCAVATE SPLICE PIT	
252 PLACE MANHOLE	
252 REMOVE EXISTING MANHOLE	
255 RELOCATE PRECAST MANHOLE	
256 REPLACE/SUBSTITUTE PRECAST MANHOLE	
260 CONSTRUCT WALL	
270 REMOVE AND RESTORE ASPHALT	
280 REMOVE AND RESTORE CONCRETE	
281 REMOVE AND RESTORE SIDEWALK	
282 REMOVE AND RESTORE CURBING	
283 REMOVE AND RESTORE DIRT/LANDSCAPING	
310 ATTACH CONDUIT TO WALL OR STRUCTURE	
315 DETACH CONDUIT FROM WALL OR STRUCTURE	
320 CORE BORE	
330 ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE	
410 PULL CABLE	
411 PULL THROUGH DUCT (INNERDUCT)	
415 REMOVE CABLE FROM CONDUIT	
420 REPOSITION ACTIVE CABLE SLACK	
510 DIRECT BURY CABLE	
515 EXPOSE DIRECT BURIED CABLE	
516 EXPOSE DIRECT BURIED CABLE AND RELOCATE	
517 REMOVE AND DISPOSE OF CABLE	
520 PLACE AERIAL CABLE	
525 RELOCATE AERIAL CABLE	
526 DELASH AERIAL CABLE	
527 RELASH AERIAL CABLE	
528 REMOVE AERIAL CABLE	
530 PLACE POLE/PUSH BRACE	
535 REMOVE POLE/PUSH BRACE	
610 JETTING CONDUIT	
620 EMBEDMENT PLOW	
630 DIRECTIONAL BORE	
710 PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM WATER CROSSING SIGNS	
711 PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES	
712 REMOVE BURIED CABLE MARKER POST/HARDWARE	
714 REMOVE CONCRETE BURIED CABLE MARKER POST	

CONTACT SHEET/ DETAILS

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

OUTSIDE PLANT ENGINEERING:

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

OUTSIDE PLANT CONSTRUCTION:

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

RIGHT-OF-WAY:

AGENT:
MANAGER:

CONTRACTS:

COORDINATOR: N/A
MANAGER: N/A

OTHERS:

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

ENGINEERING CONTRACTOR

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

CONSTRUCTION CONTRACTOR

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

CITY GOVERNMENT

BUREAU OF ENGINEERING:

CITY ENGINEER:

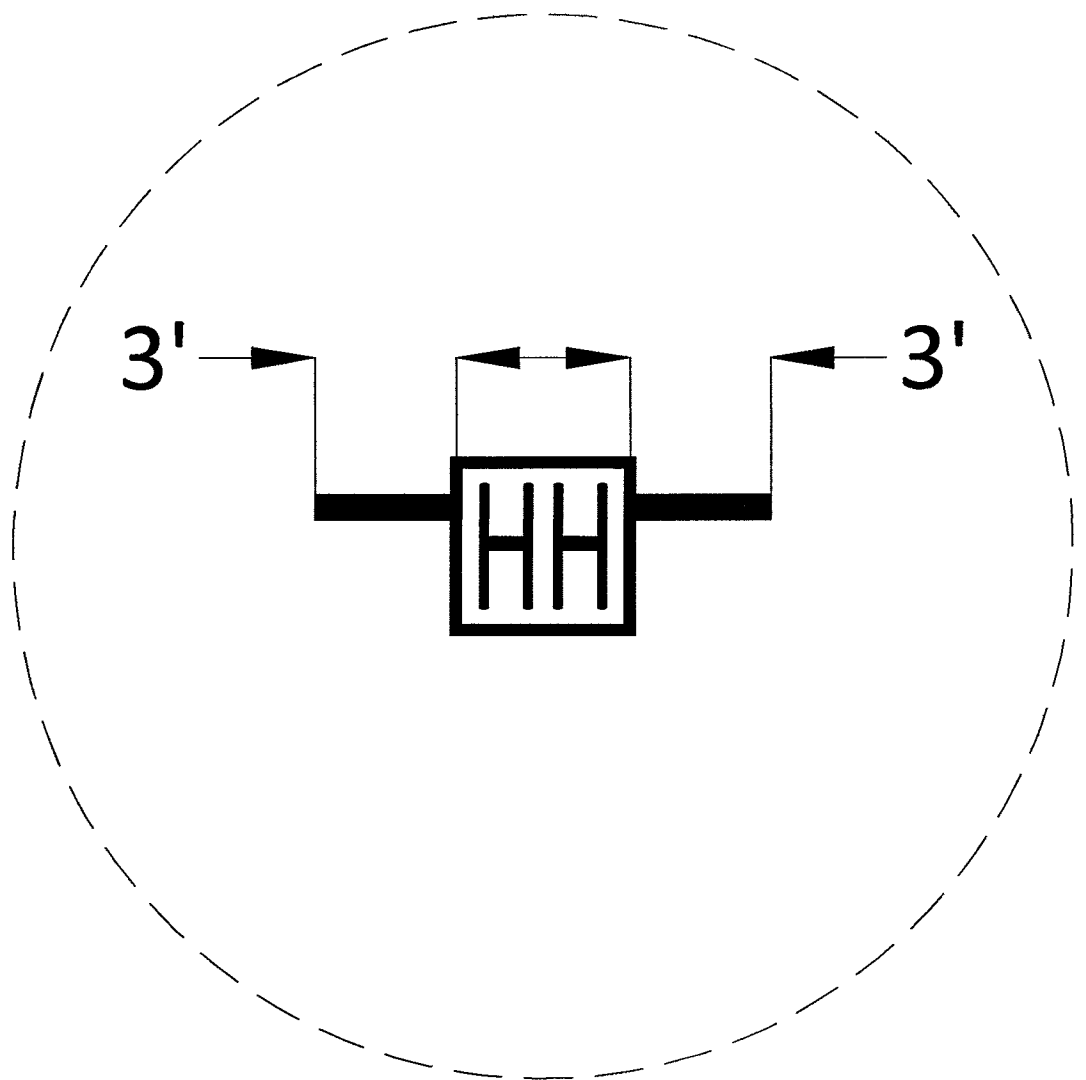
UTILITIES

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

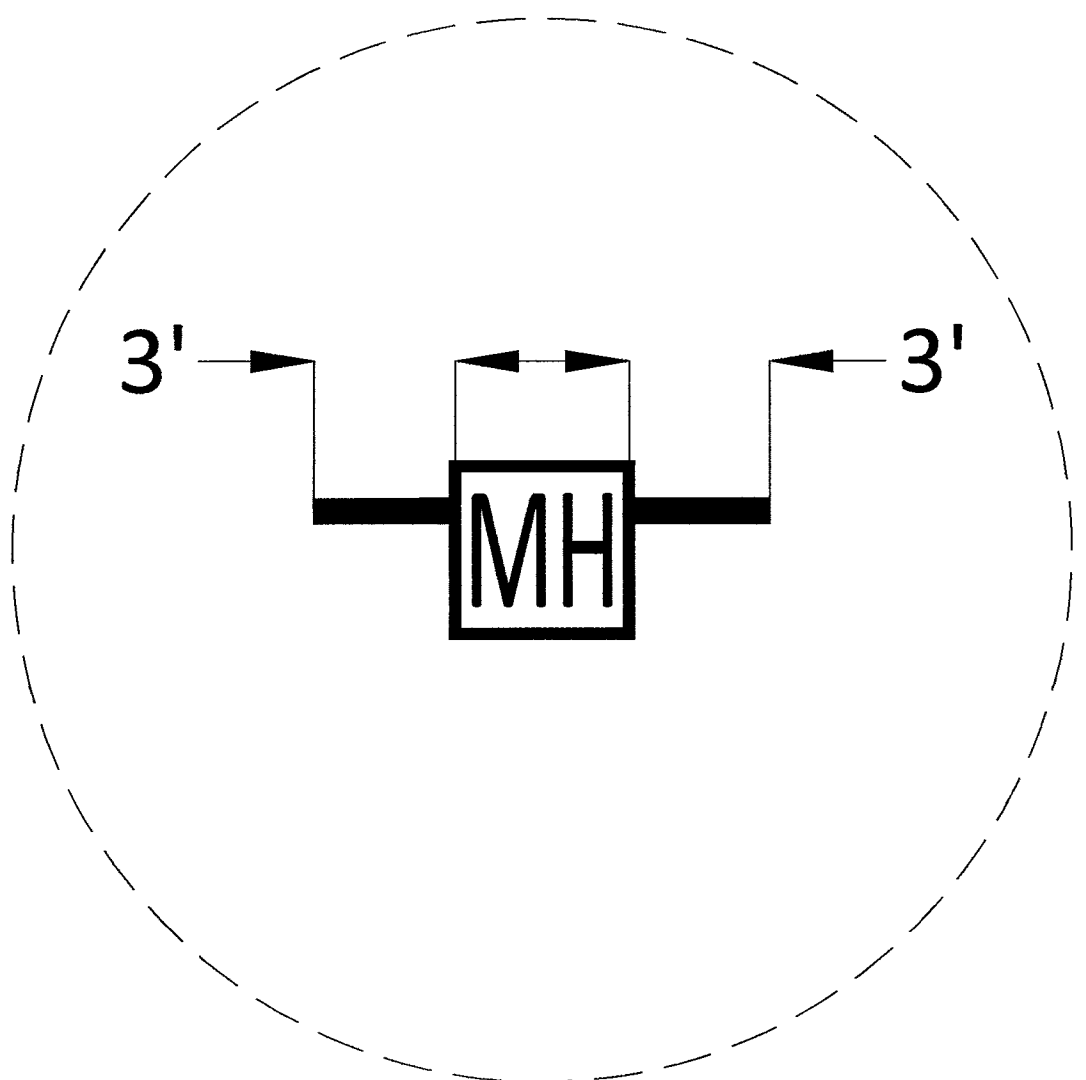
PROJECT TOTALS SUMMARY

MATERIALS	
2" HDPE CONDUIT(S):	6'
2.5" HDPE CONDUIT(S):	-
4" HDPE CONDUIT(S):	24'
2' x 3' x 2' HANDHOLE(S):	-
2.5' x 5' x 2.5' HANDHOLE(S):	1
4' x 4' x 4' MANHOLE(S):	-

WORK TYPE	
AERIAL:	-
VZW CONDUIT:	155'
3RD PARTY CONDUIT:	2,612'
TRENCH:	24'
ASPHALT CUT:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	24'
TOTAL FOOTAGE:	2,791'



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



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



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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 3 OF 12

FILE: LSV ANGEL

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

SYMBOLS KEY



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MP TO MP

SHEET 4 OF 12

FILE: LSV ANGEL

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

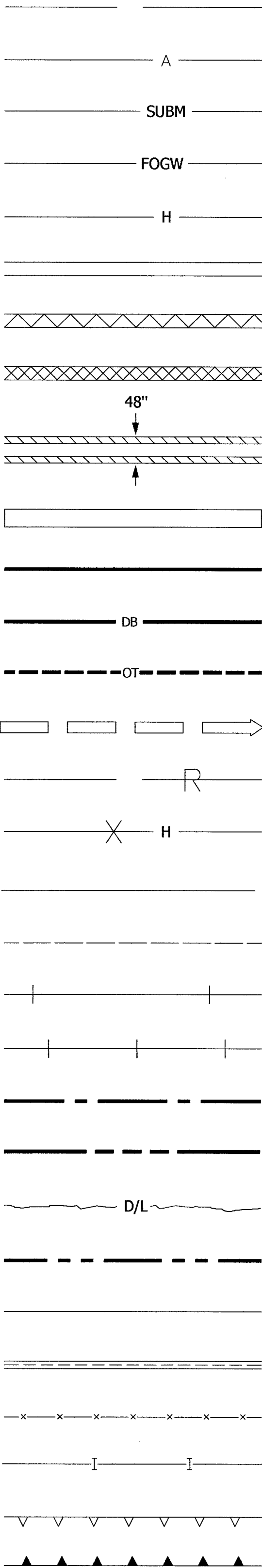
FENCE LINE

GUARDRAIL

TOP OF SLOPE

TOE OF SLOPE

EXISTING/PROPOSED



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

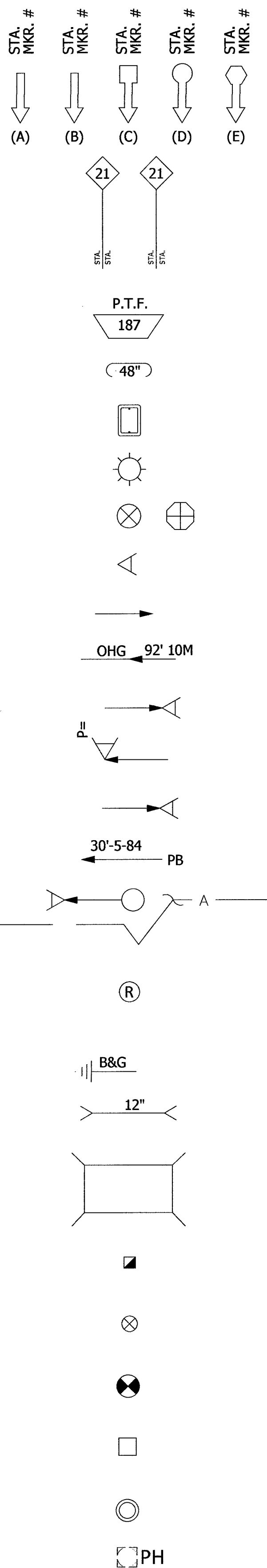
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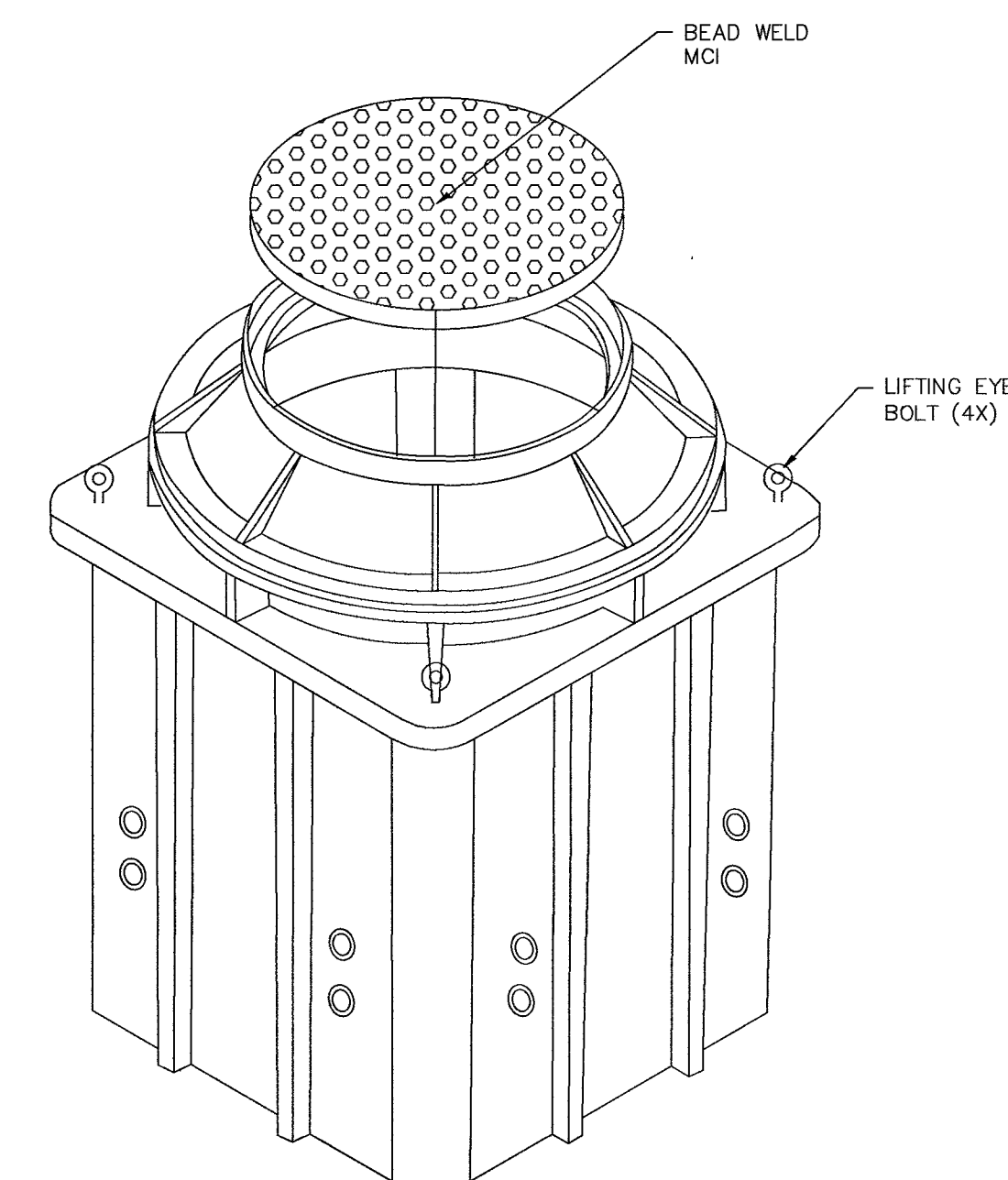
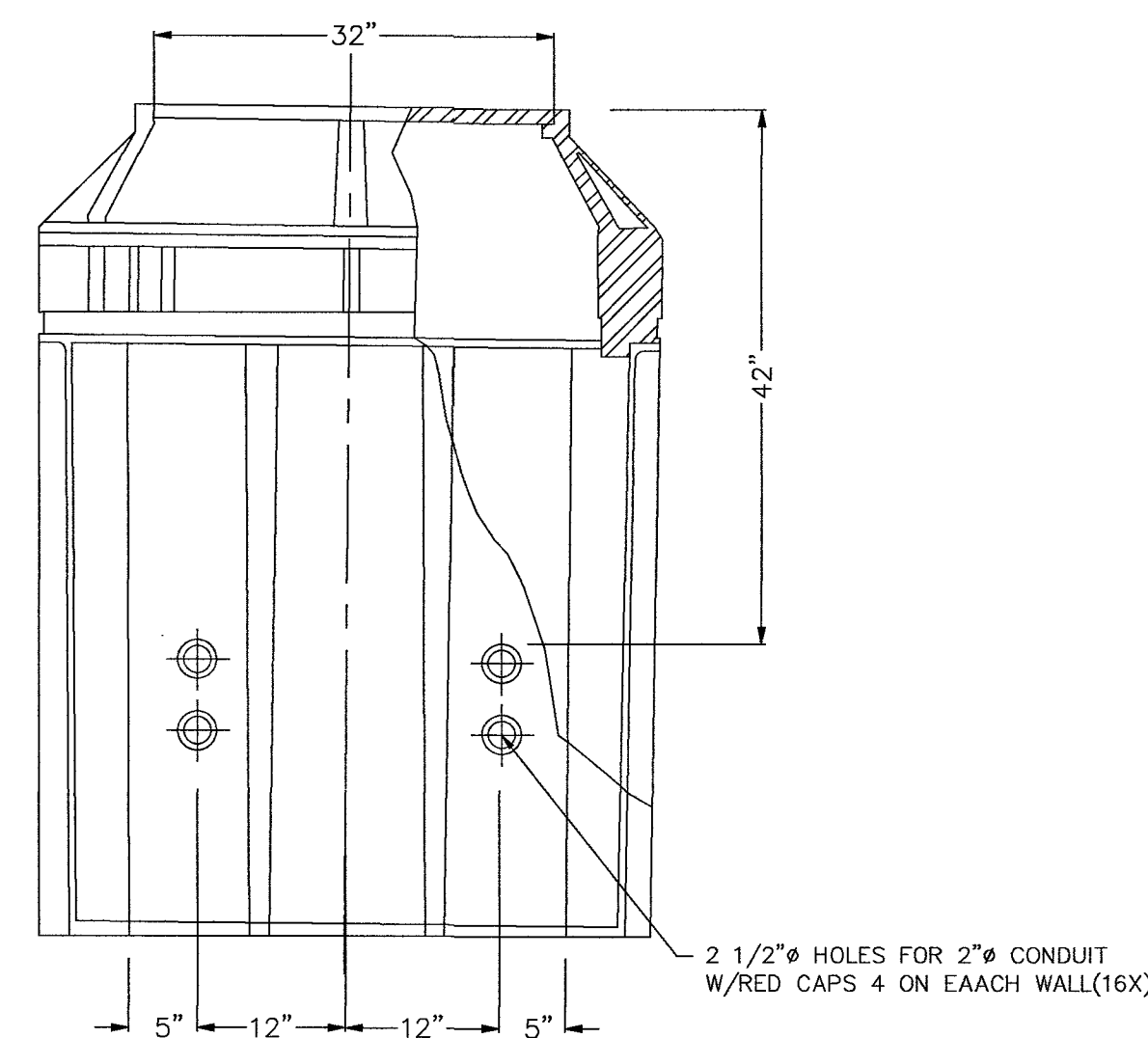
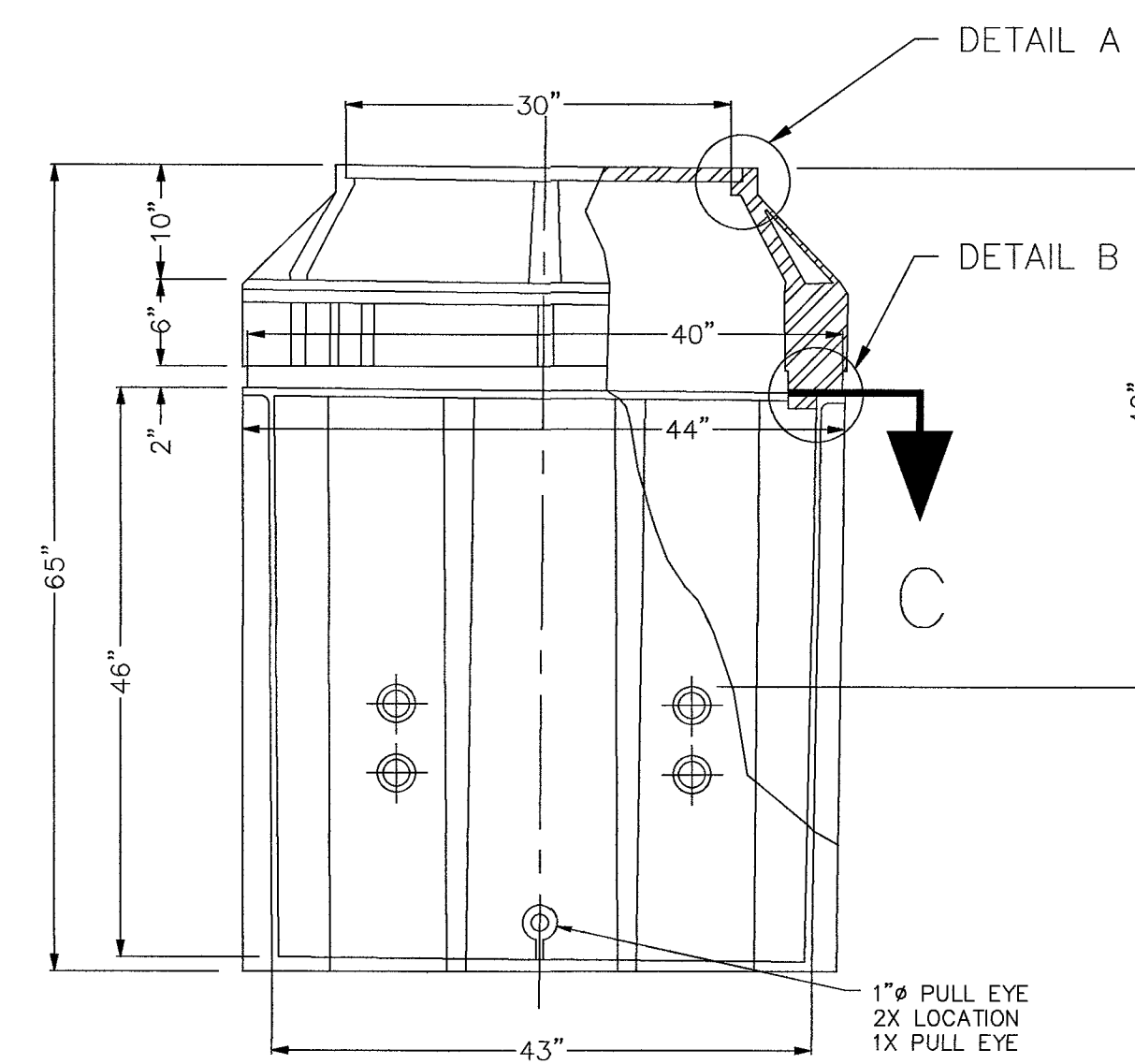
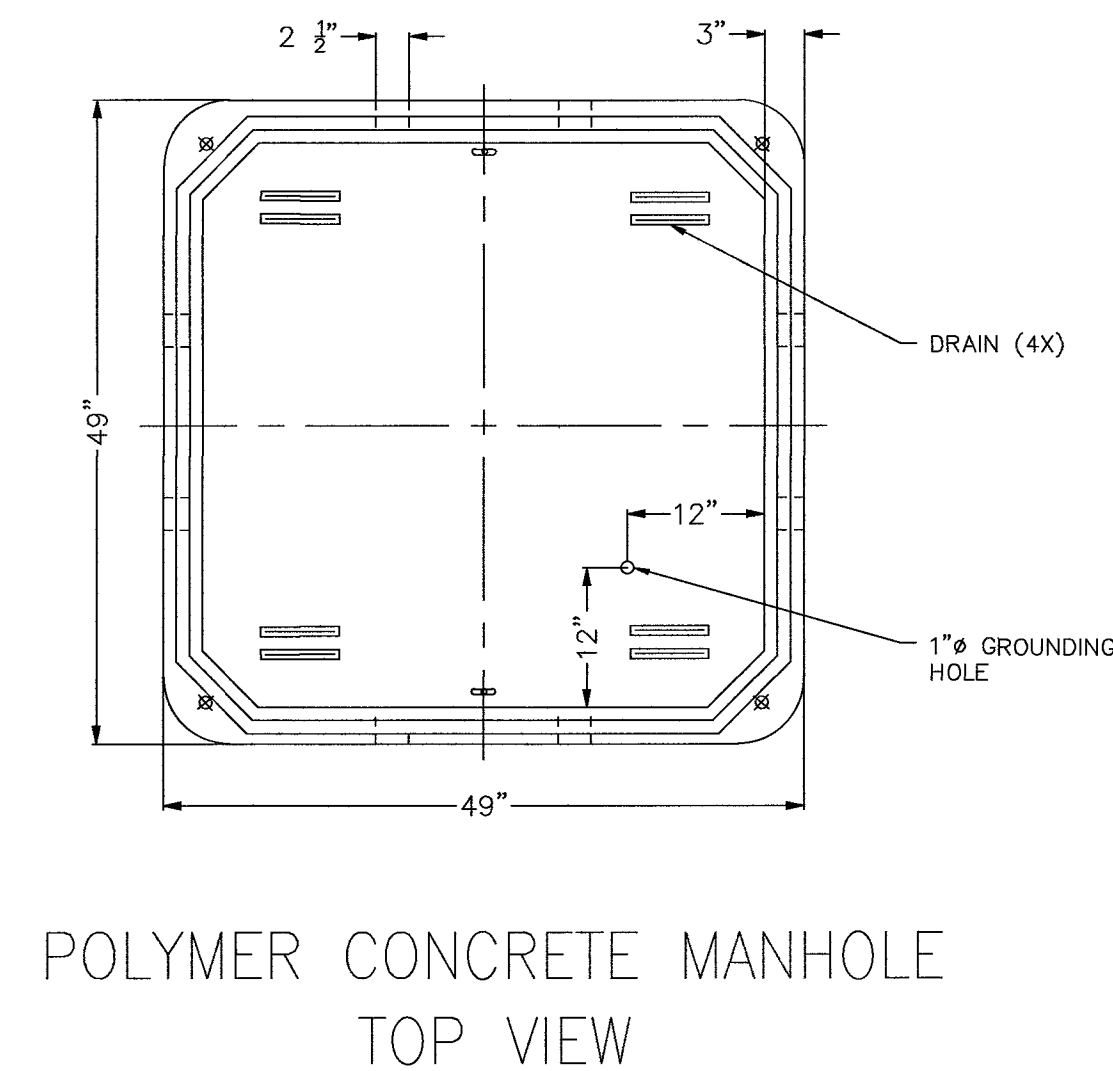
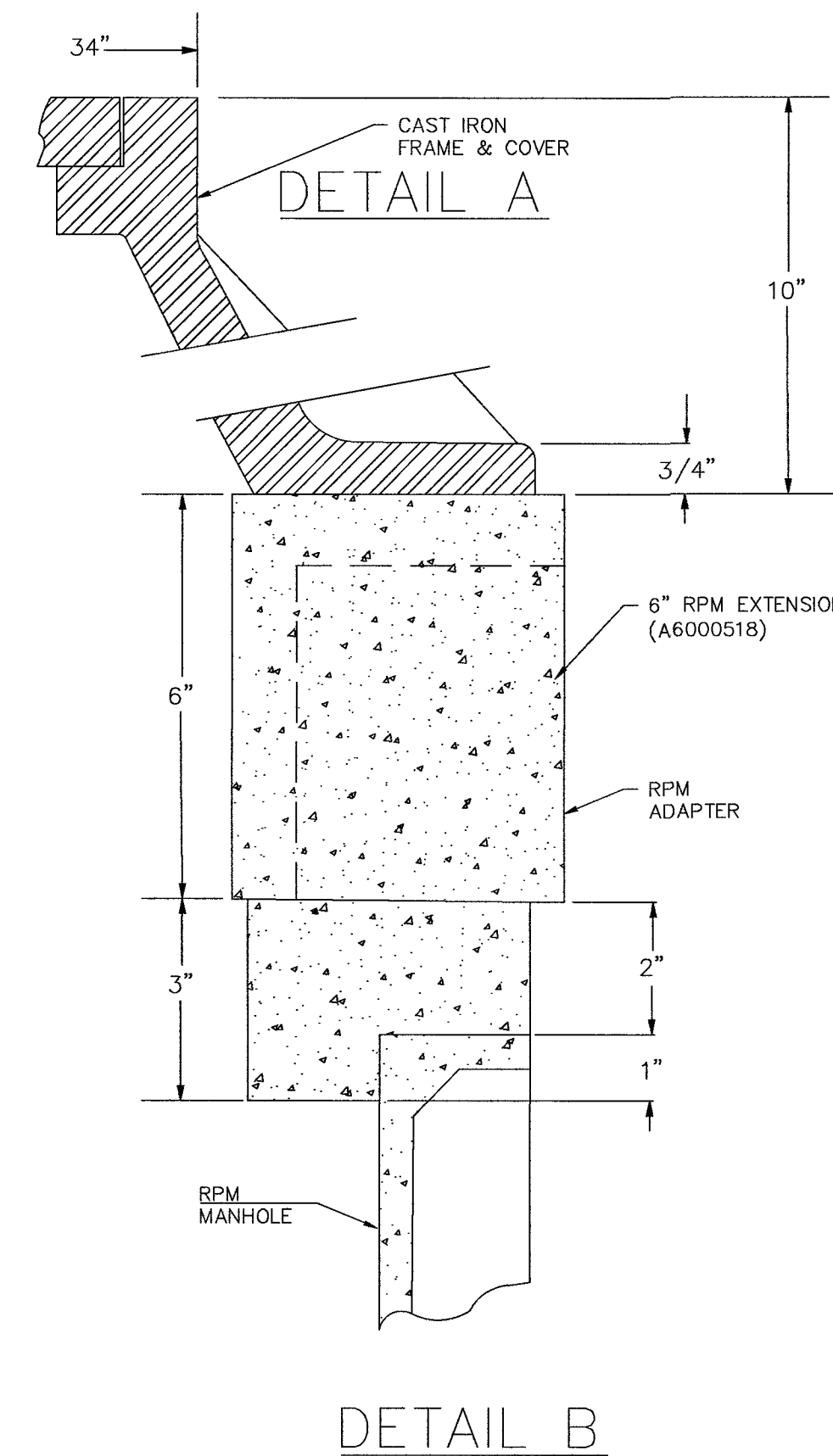
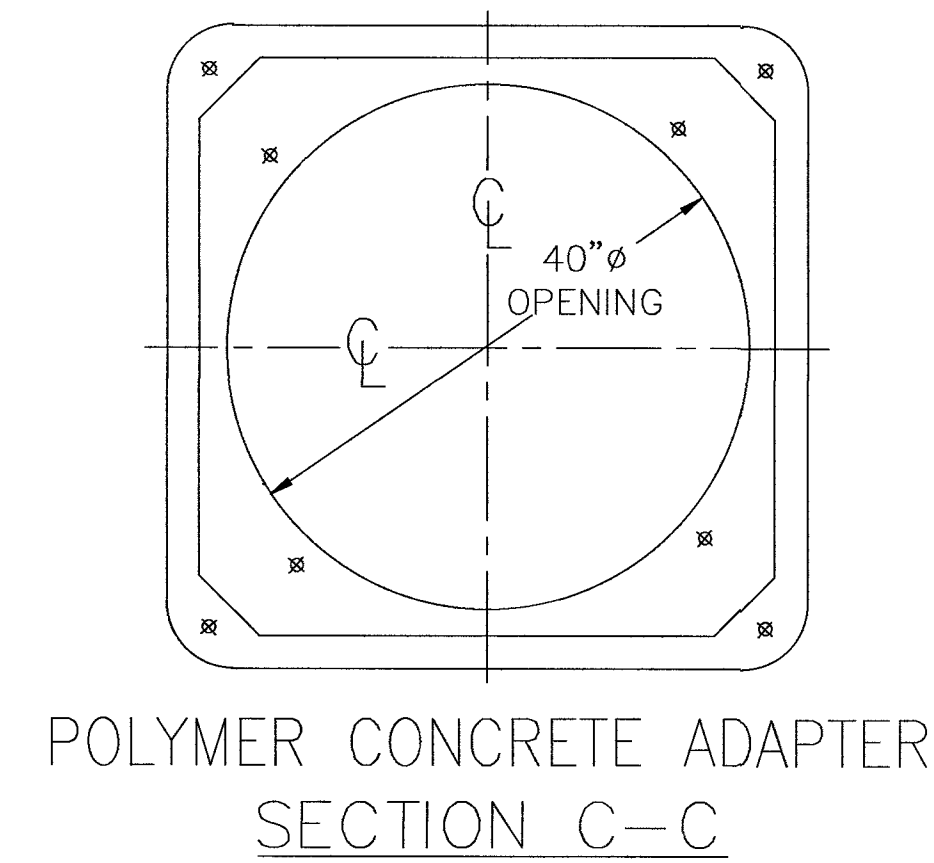
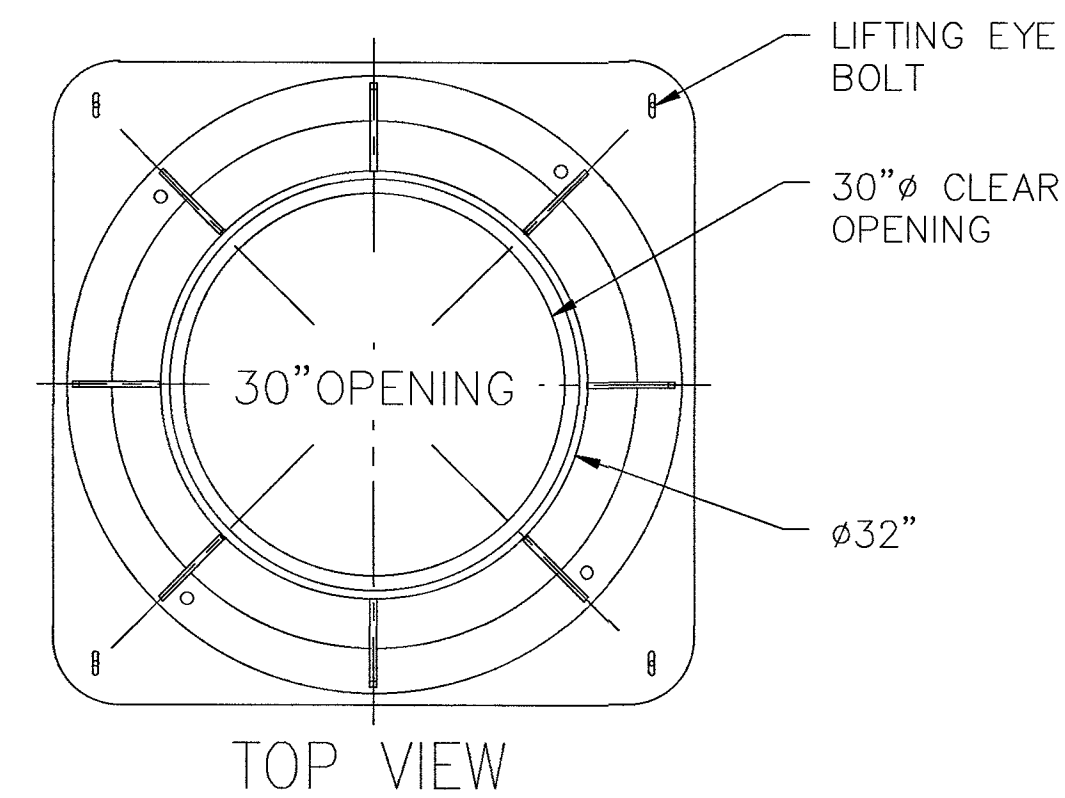
RAILROAD SIGNAL CONTROL BOX

MANHOLE

POTHOLE

EXISTING/PROPOSED





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VERTICAL: NA

MP TO MP

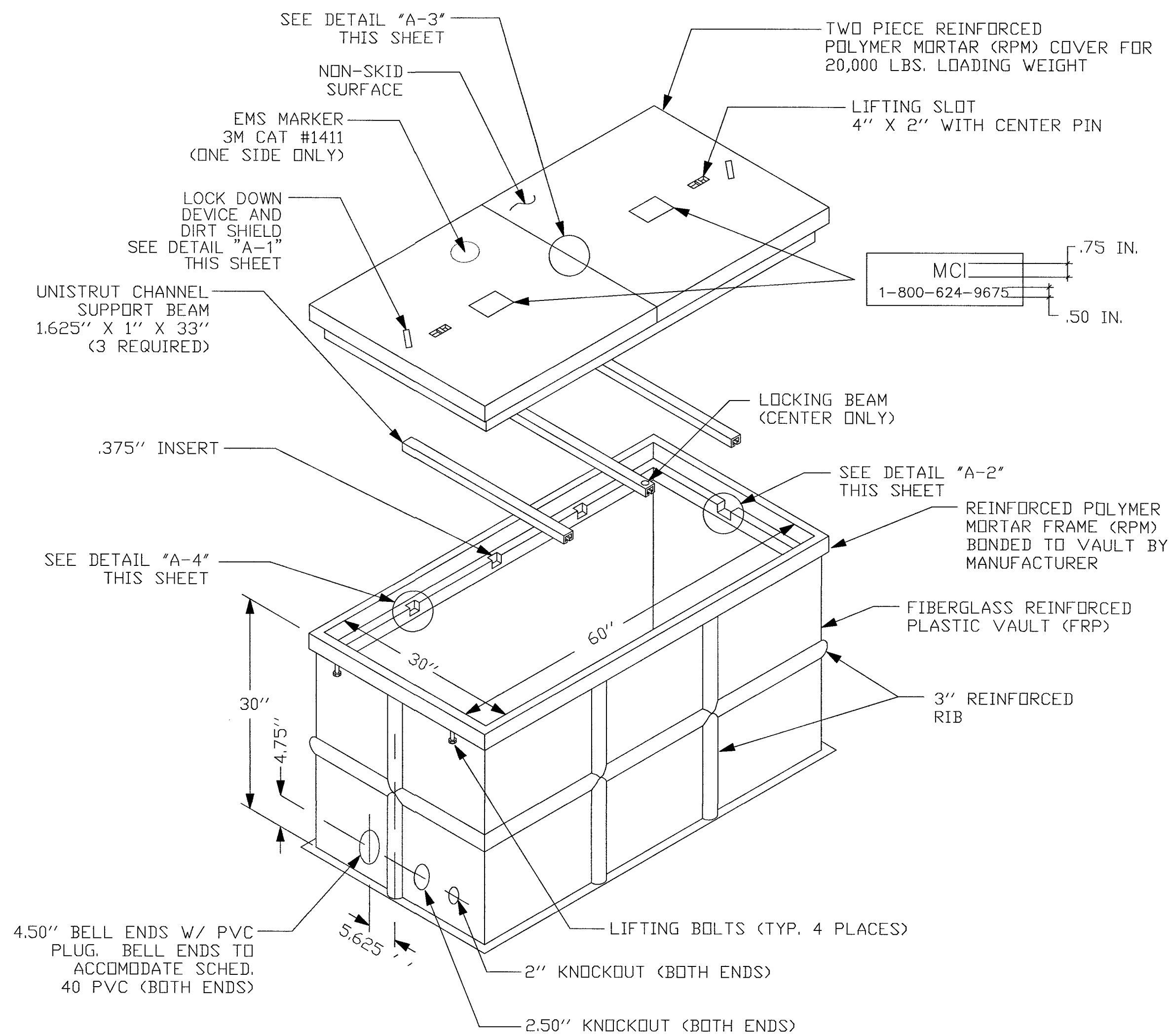
SHEET 5 OF 12

FILE: LSV ANGEL

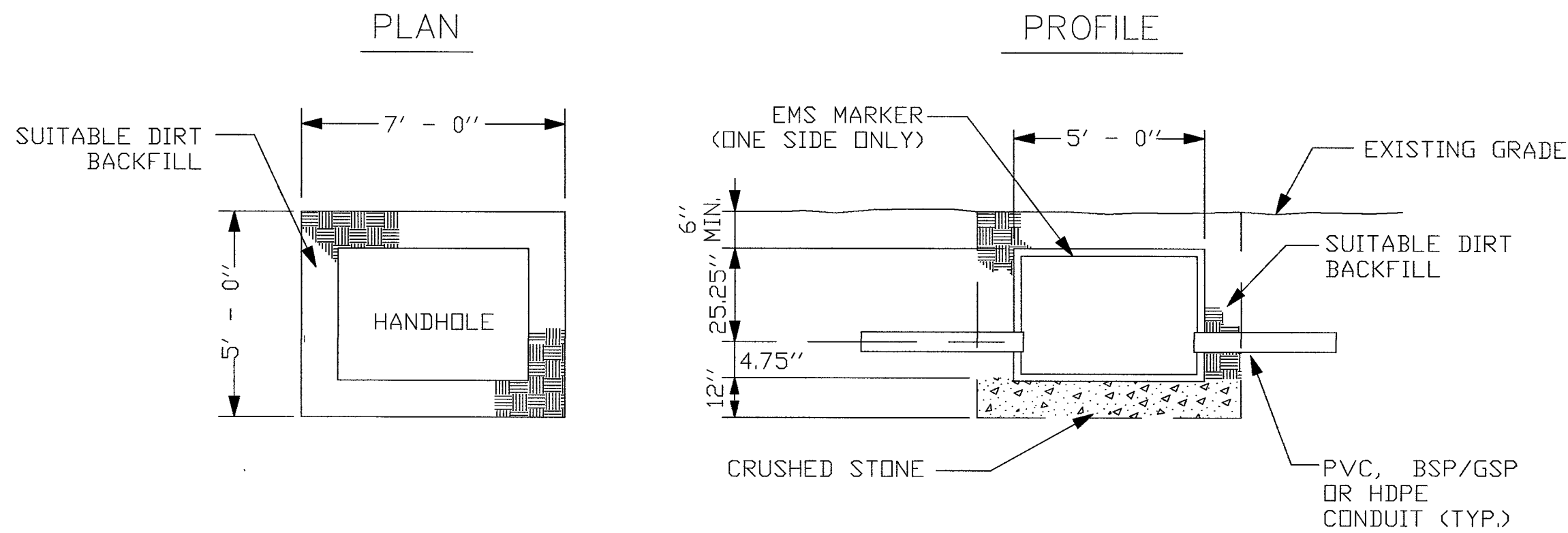
13230 SATICOY STREET NORTH HOLLYWOOD, CA 91605 (818) 982-3500		PART DESCRIPTION 4'X4'X4' POLYMER CONCRETE MANHOLE ASSEMBLY W/ EXTENSION	
ARMORCAST PRODUCTS COMPANY		CUSTOMER MCI	
DRAWN GL	DATE 8/17	SCALE NONE	MAX. LOAD AASHTO H-20
APPROV. WS	DATE 8/17	MATERIAL FRP,RPM	DRAWING NUMBER A6000514HTAPMC13

2.5' x 5' x 2.5' HANDHOLE DETAILS

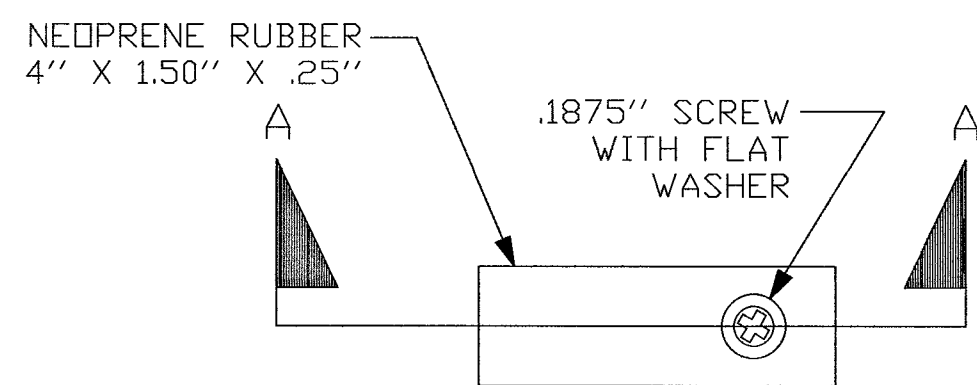
DETAIL "A"
EXPLODED ISOMETRIC DETAIL



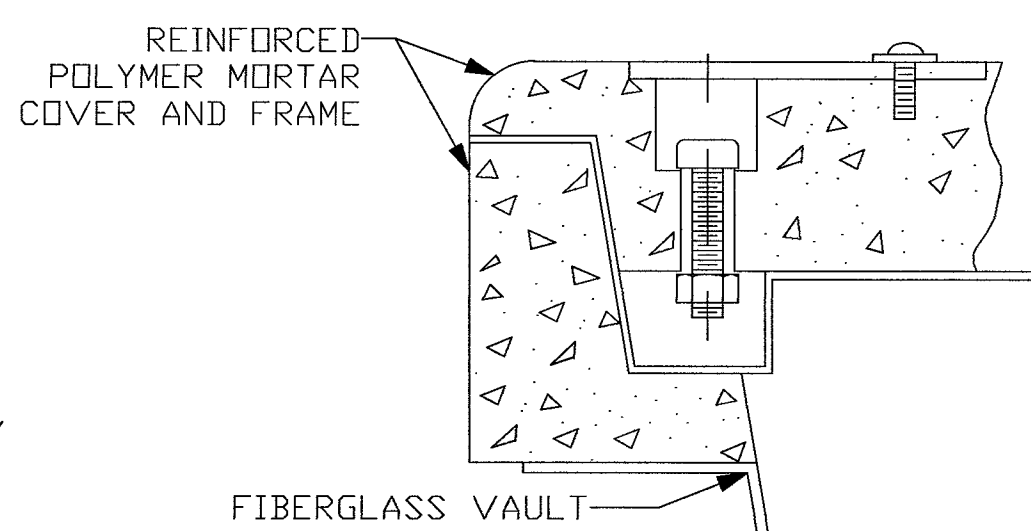
DETAIL "C"
EXCAVATION PIT



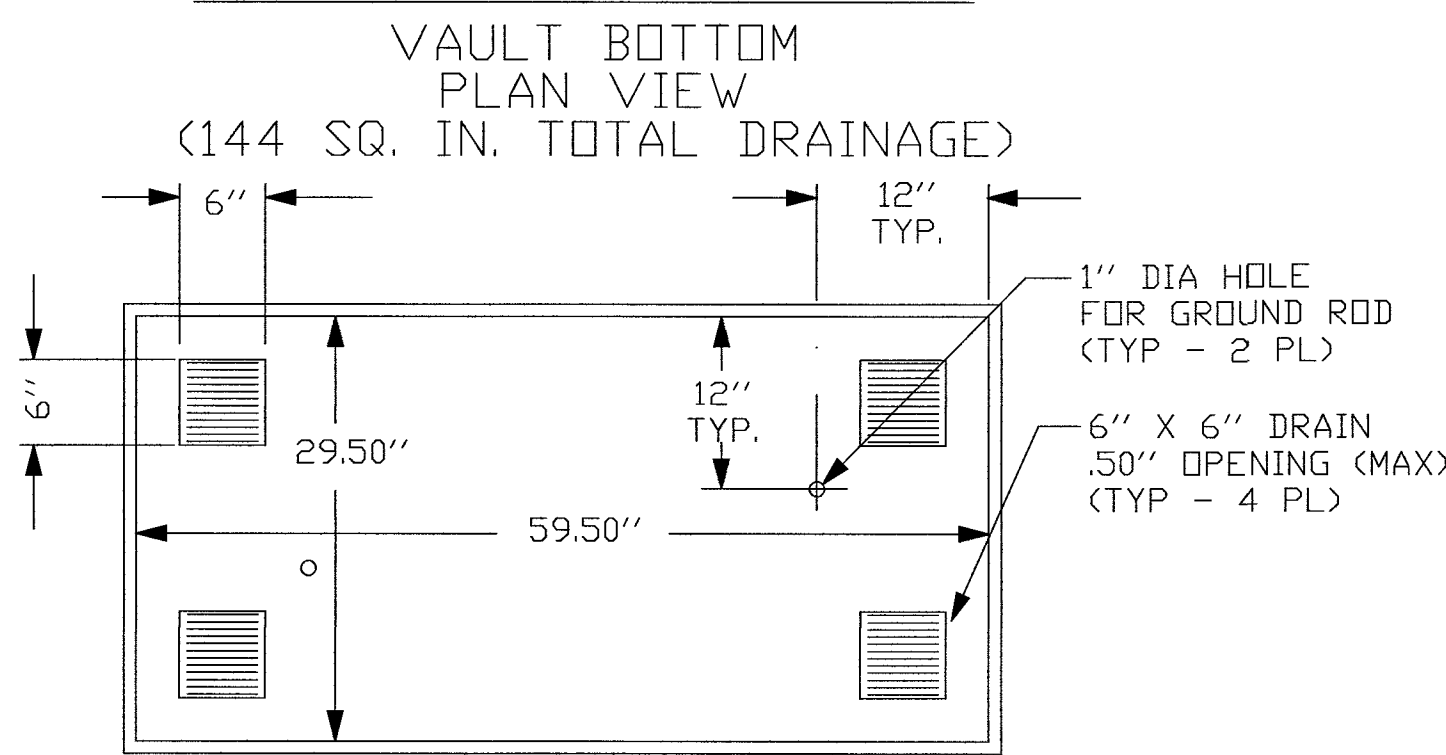
DETAIL "A-1"
LOCK DOWN DEVICE



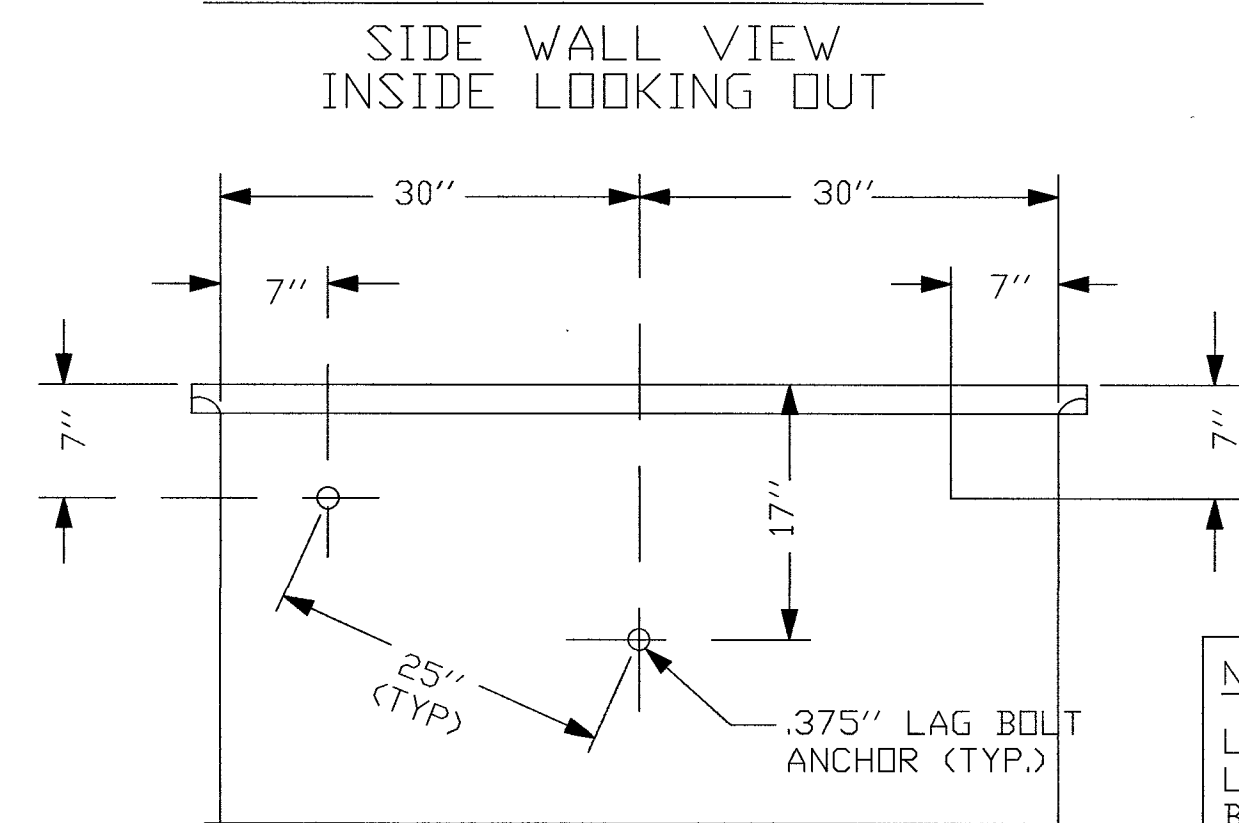
SECTION A-A
LOCKING DEVICE CROSS SECTION



DETAIL "B"



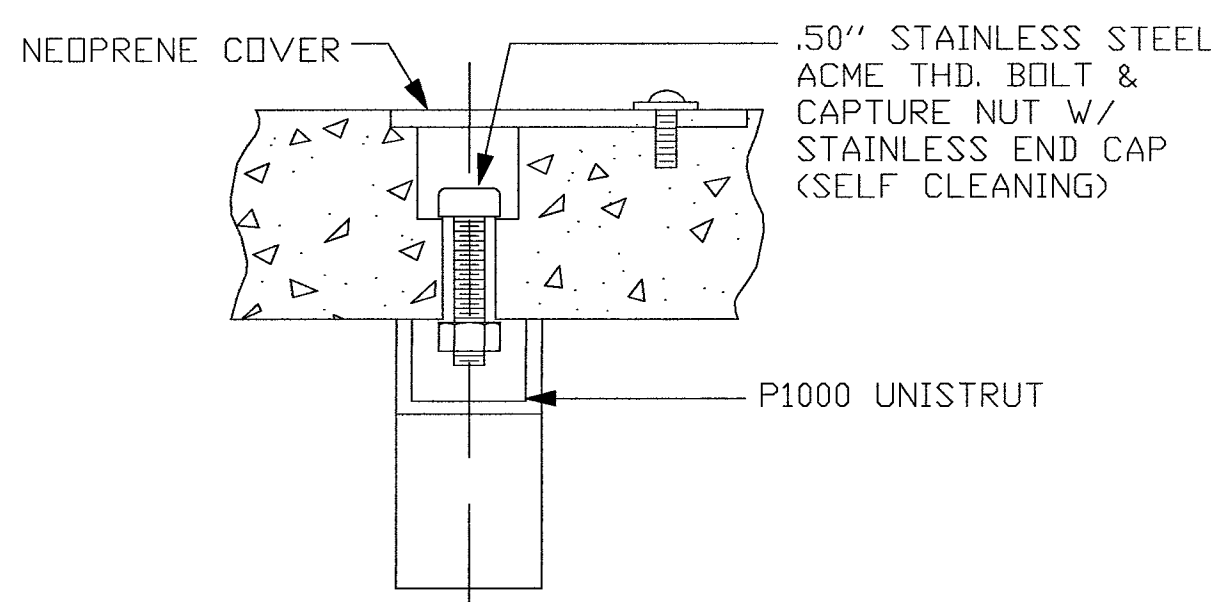
DETAIL "D"



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

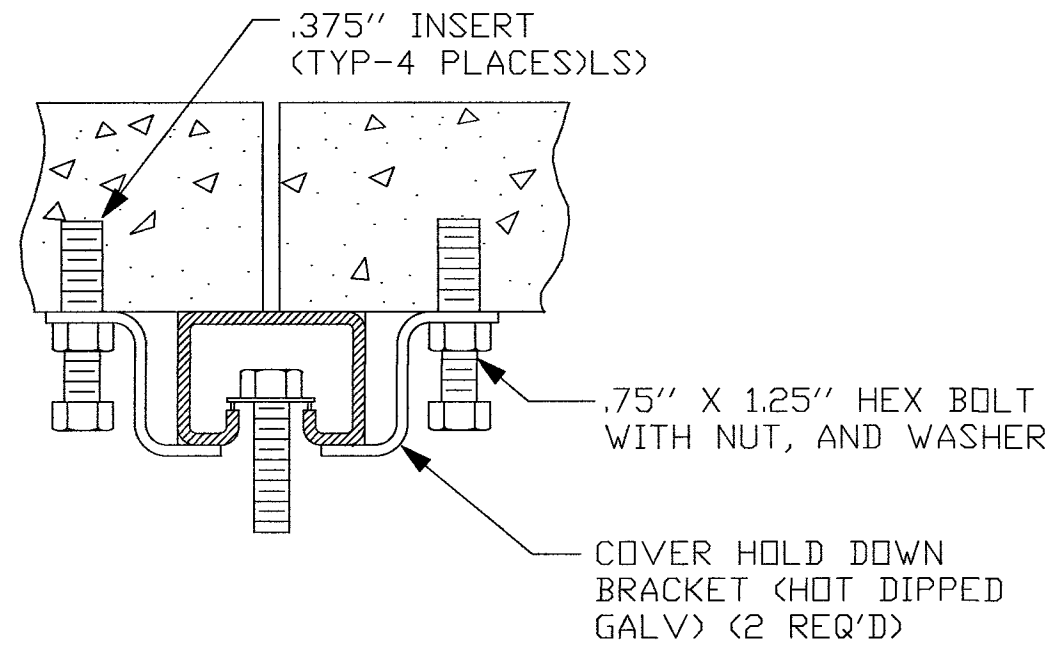
- NOTES:
- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
 - BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (.75" GRADE).
 - SHORING WILL BE REQUIRED.
 - ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
 - THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS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

DETAIL "A-2"
ENGAGED LOCK DOWN DEVICE



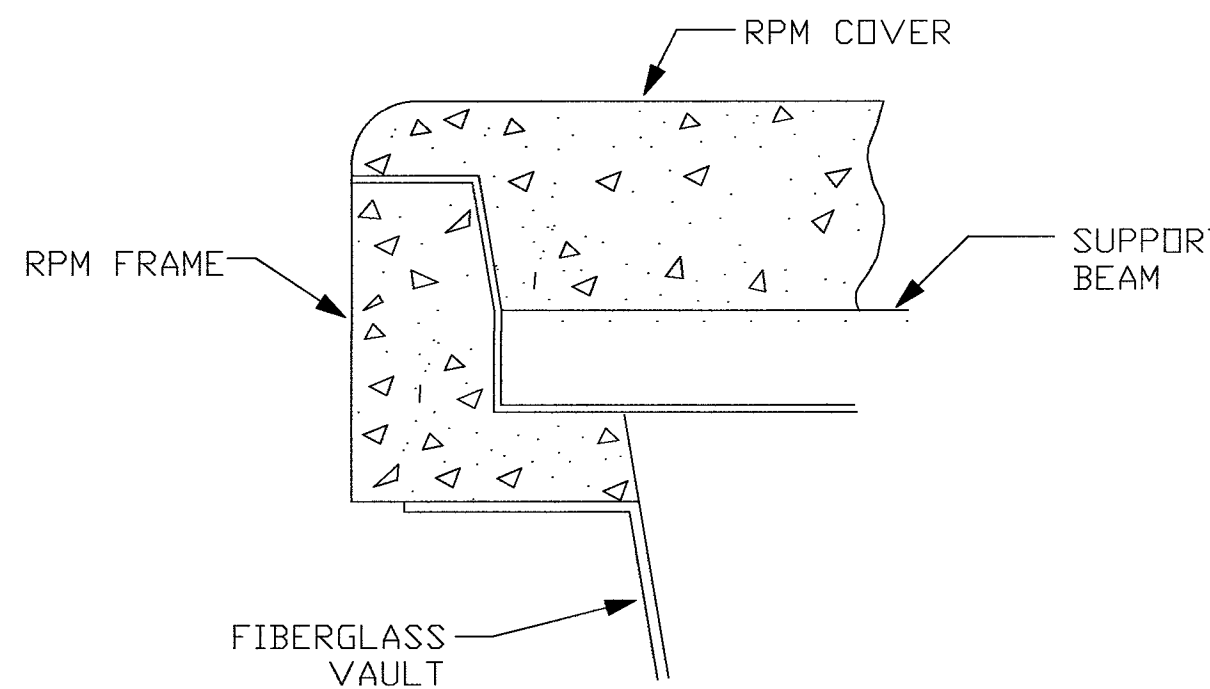
DETAIL "A-3"

COVER HOLD DOWN BRACKET OF 2-PIECE RPM COVER



DETAIL "A-4"

SUPPORT BEAM INSTALLATION (TYP. AT 6 PLACES)



CELL SITE: LSV ANGEL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

MCI COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION
HUB: LSV TENAYA - CELL SITE: LSV ANGEL

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

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

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

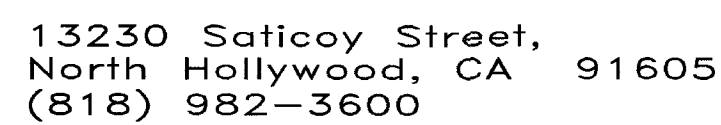
MP TO MP

SHEET 6 OF 12

FILE: LSV ANGEL



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



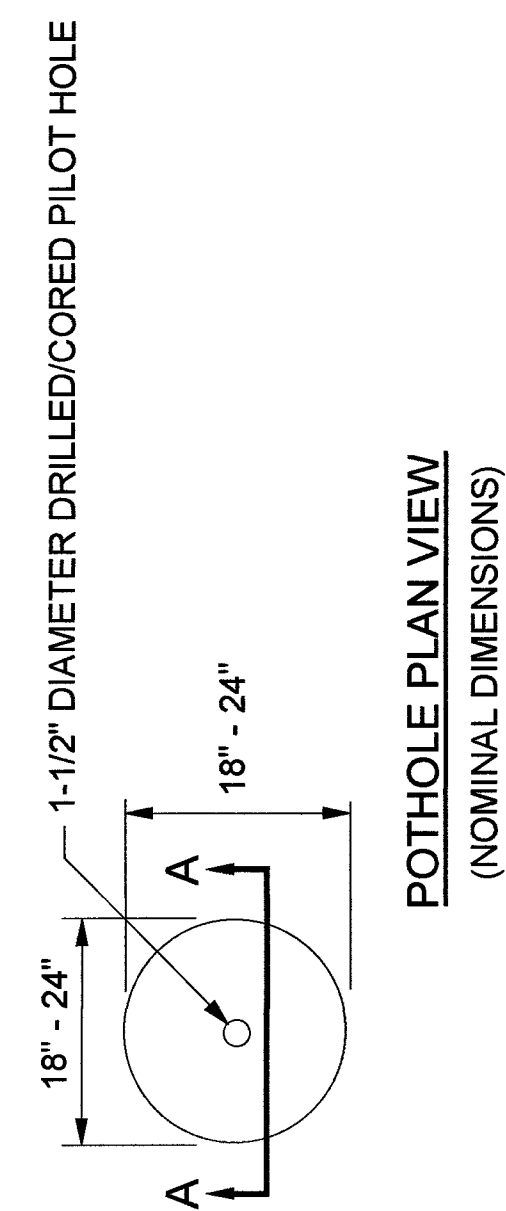
PART DESCRIPTION
24" X 36" X 24" POLYMER CONCRETE BOX ASSEMBLY

CUSTOMER
VERIZON

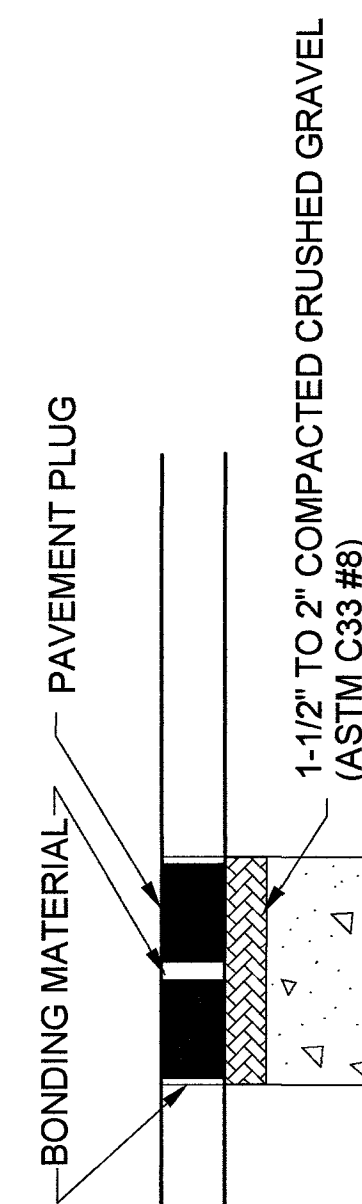
DRAWN GL	DATE 6/17	SCALE NONE	MAX. LOAD TIER 15
APPROV. WS	6/17	MATERIAL POLYMER CONCRETE	DRAWING NUMBER A6001974TAPMC13

NOTES:

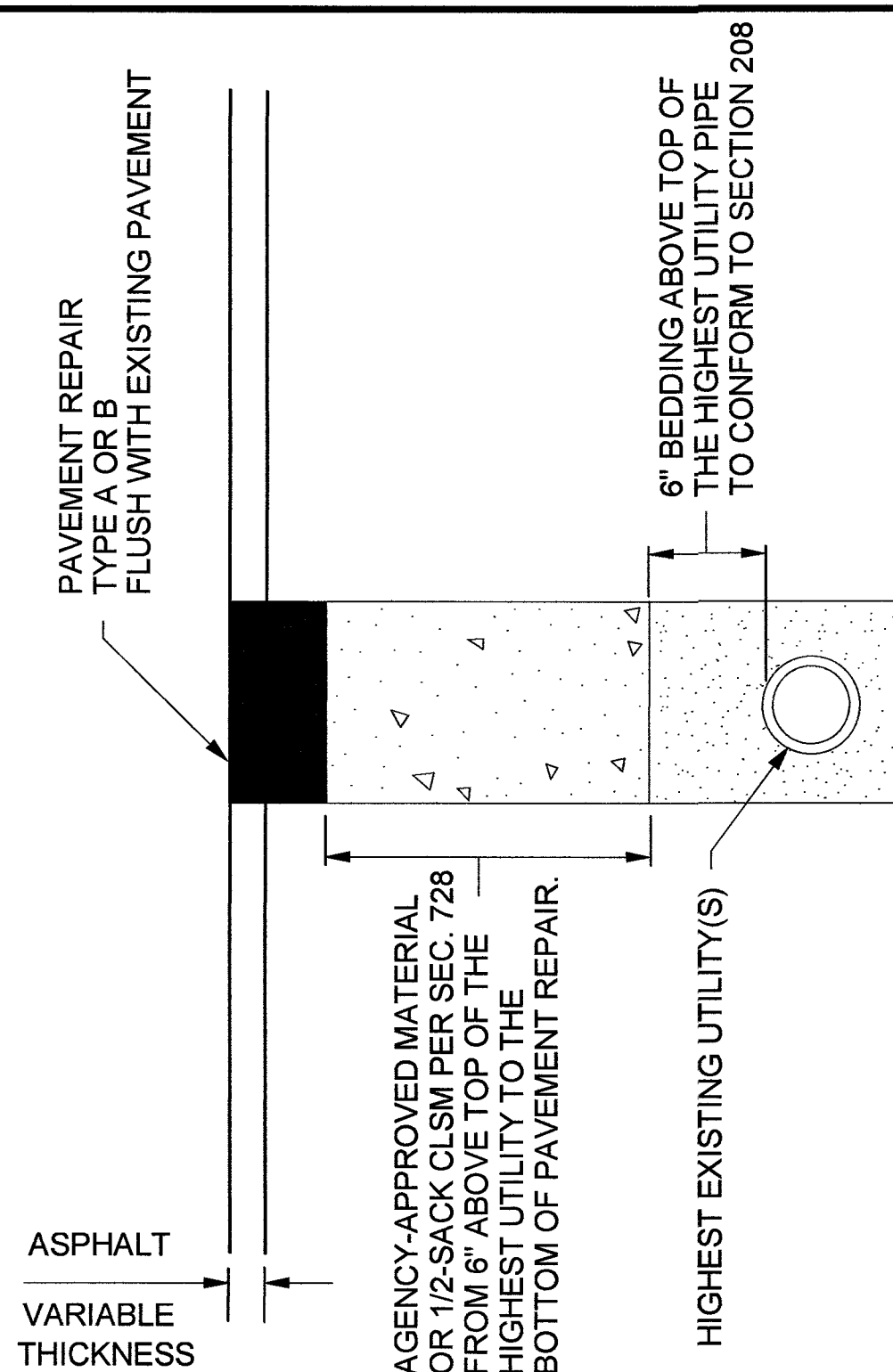
1. CUT AND REMOVE PAVEMENT PLUG WITH AN APPROVED KEYHOLE CORING DEVICE. PAVEMENT TO BE CORED SHALL CONTAIN NO CRACKS AND SHALL BE AT LEAST 4" THICK. IF PLUG IS DAMAGED OR IS LESS THAN 4" THICK, REPLACE PLUG WITH A "FARMED" ASPHALT PLUG FROM AN APPROVED SITE. FARMED PLUGS SHALL BE AT LEAST 4" THICK AND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



POTHOLE PLAN VIEW
(NOMINAL DIMENSIONS)



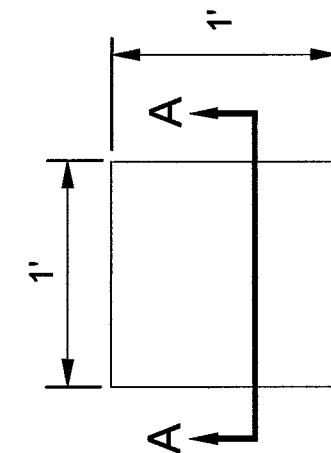
POTHOLE PROFILE



SECTION A-A

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

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

POTHOLE PLAN VIEW
(NOMINAL DIMENSIONS)

ACK EDGES

POTHOLE
PROFILE

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

THICKNESS		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					



CELL SITE: LSV ANGEL

CITY OF LAS VEGAS, NEVADA

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

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV ANGEL

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

[illegible]

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SCALE

HORIZONTAL: 1"=30'

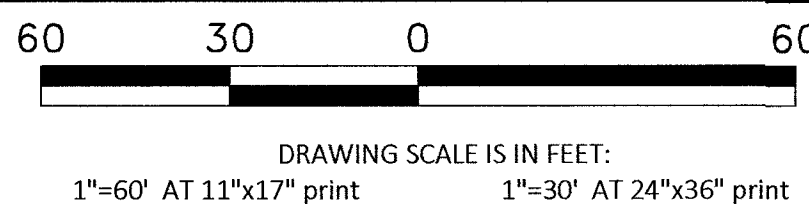
VERTICAL: NA

MP TO ME

SHEET 7 OF 12

FILE: LSV ANGEL

CONSTRUCTION DRAWING
CITY OF LAS VEGAS, NEVADA



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



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



CELL SITE: LSV ANGEL

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:	135'
3RD PARTY CONDUIT:	256'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	391'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION

HUB: LSV TENAYA - CELL SITE: LSV ANGEL

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

DATE	DESCRIPTION	INITIAL
-	-	-

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: NA

MP TO MP

SHEET 8 OF 12

FILE: LSV ANGEL

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

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.

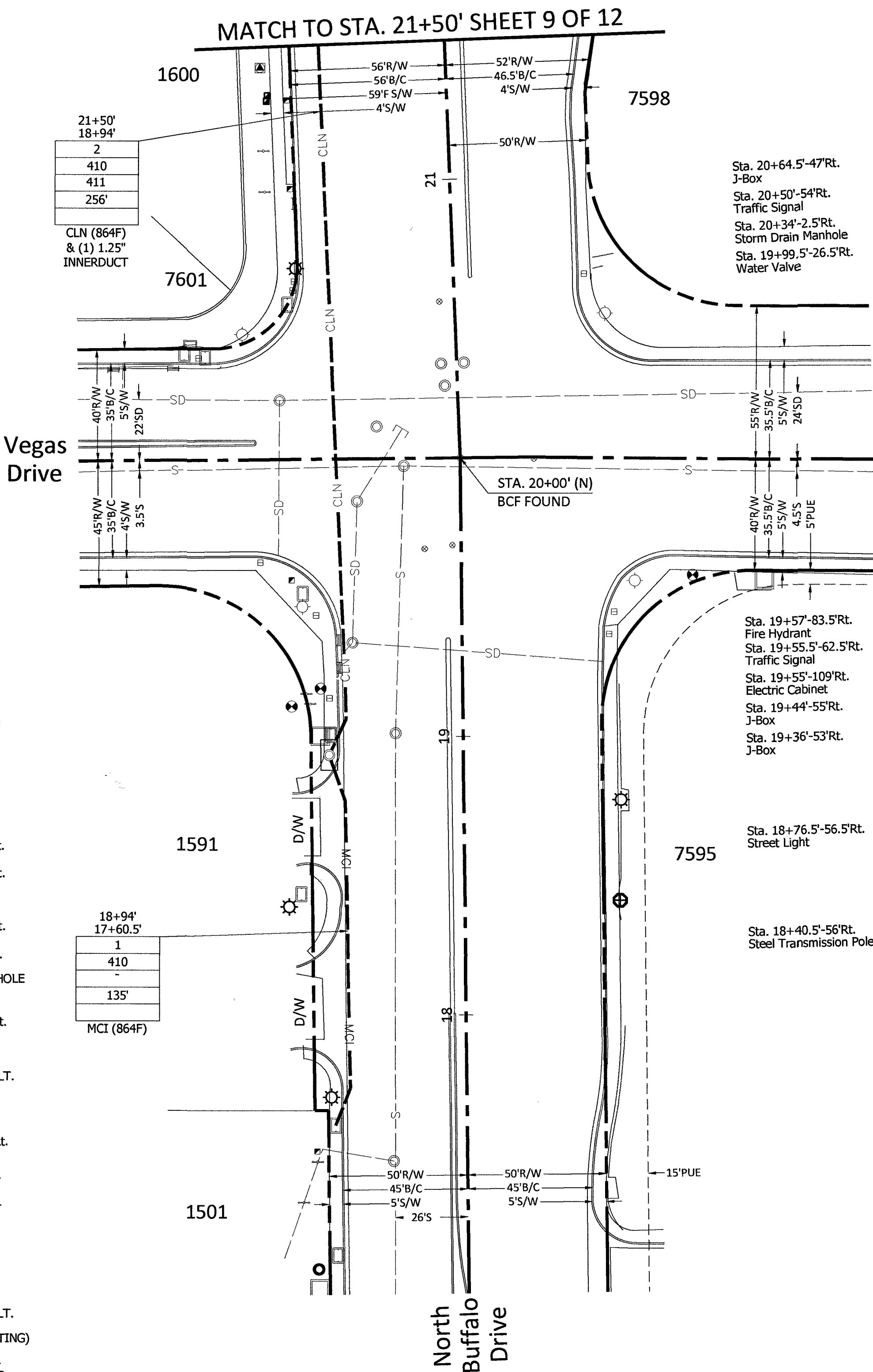
Sta. 21+42.5'-67'Lt.
Electric Transformer
Sta. 21+32.5'-64.5'Lt.
Electric Meter
Sta. 21+30.5'-57.5'Lt.
Water Meter
Sta. 21+30.5'-65'Lt.
Electric Meter
Sta. 21+12.5'-66.5'Lt.
Back Flow Preventer
Sta. 20+98.5'-57.5'Lt.
Water Meter
Sta. 20+98'-67'Lt.
Back Flow Preventer
Sta. 20+70'-57'Lt.
Street Light

Sta. 20+65.5'-57.5'Lt.
J-Box
Sta. 20+62.5'-58'Lt.
J-Box
Sta. 20+57.5'-60'Lt.
Comm. Vault
Sta. 20+56.5'-5.5'Lt.
Water Valve
Sta. 20+47'-77'Lt.
Traffic Signal
Sta. 20+42'-98'Lt.
Electric Vault
Sta. 20+39.5'-90.5'Lt.
Comm. Vault
Sta. 20+39'-93'Lt.
J-Box
Sta. 20+34'-5.5'Lt.
Storm Drain Manhole
Sta. 20+26'-4.5'Lt.
Sewer Manhole
Sta. 20+23'-64'Lt.
Storm Drain Manhole
Sta. 20+12.5'-29.5'Lt.
Sewer Manhole

Sta. 19+97.5'-20.5'Lt.
Sewer Manhole
Sta. 19+85'-37.5'Lt.
Storm Drain Manhole
Sta. 19+68.5'-3'Lt.
Water Valve
Sta. 19+67.5'-13'Lt.
Water Valve
Sta. 19+63'-72.5'Lt.
J-Box
Sta. 19+56.5'-61'Lt.
Water Meter

Sta. 19+51.5'-57'Lt.
Comm. Vault
Sta. 19+47'-57.5'Lt.
Traffic Signal
Sta. 19+44'-52.5'Lt.
J-Box
Sta. 19+34'-39.5'Lt.
Storm Drain Manhole
Sta. 19+17.5'-51'Lt.
Fire Hydrant
Sta. 19+16'-56.5'Lt.
Back Flow Preventer
Sta. 19+14'-48'Lt.
J-Box
Sta. 19+12'-55'Lt.
Back Flow Preventer
Sta. 19+11.5'-61.5'Lt.
Fire Hydrant
Sta. 19+01.5'-24.5'Lt.
Sewer Manhole
Sta. 19+01'-47.5'Lt.
Comm. Vault
Sta. 19+00.5'-51.5'Lt.
Telephone Cabinet
STA. 18+94'-48.5'Lt.
TIE TO EXISTING
CENTURYLINK MANHOLE
Sta. 18+44'-59'Lt.
Electric Vault
Sta. 18+39.5'-63.5'Lt.
Street Light
Sta. 17+71'-49'Lt.
Street Light
STA. 17+60.5'-47.5'Lt.
TIE TO EXISTING
MCI VAULT
Sta. 17+51.5'-54'Lt.
Water Meter
Sta. 17+47.5'-26.5'Lt.
Sewer Manhole
Sta. 17+47.5'-54'Lt.
Back Flow Preventer
Sta. 17+32'-59'Lt.
Back Flow Preventer
Sta. 17+14'-47'Lt.
Comm. Vault
Sta. 17+09'-54'Lt.
Electric Manhole
Sta. 17+02'-54'Lt.
Electric Cabinet

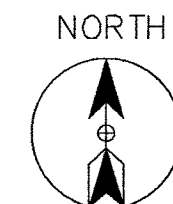
STA. 14+97.5'-119'Lt.
LSV ANGEL
MACRO CELL (EXISTING)
LAT: 36.187389
LONG: -115.260444
1501 N BUFFALO DR



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



CELL SITE: LSV ANGEL

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:	850'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	850'

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

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS		
DATE	DESCRIPTION	INITIAL
-	-	-

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SCALE

HORIZONTAL: 1"=30'

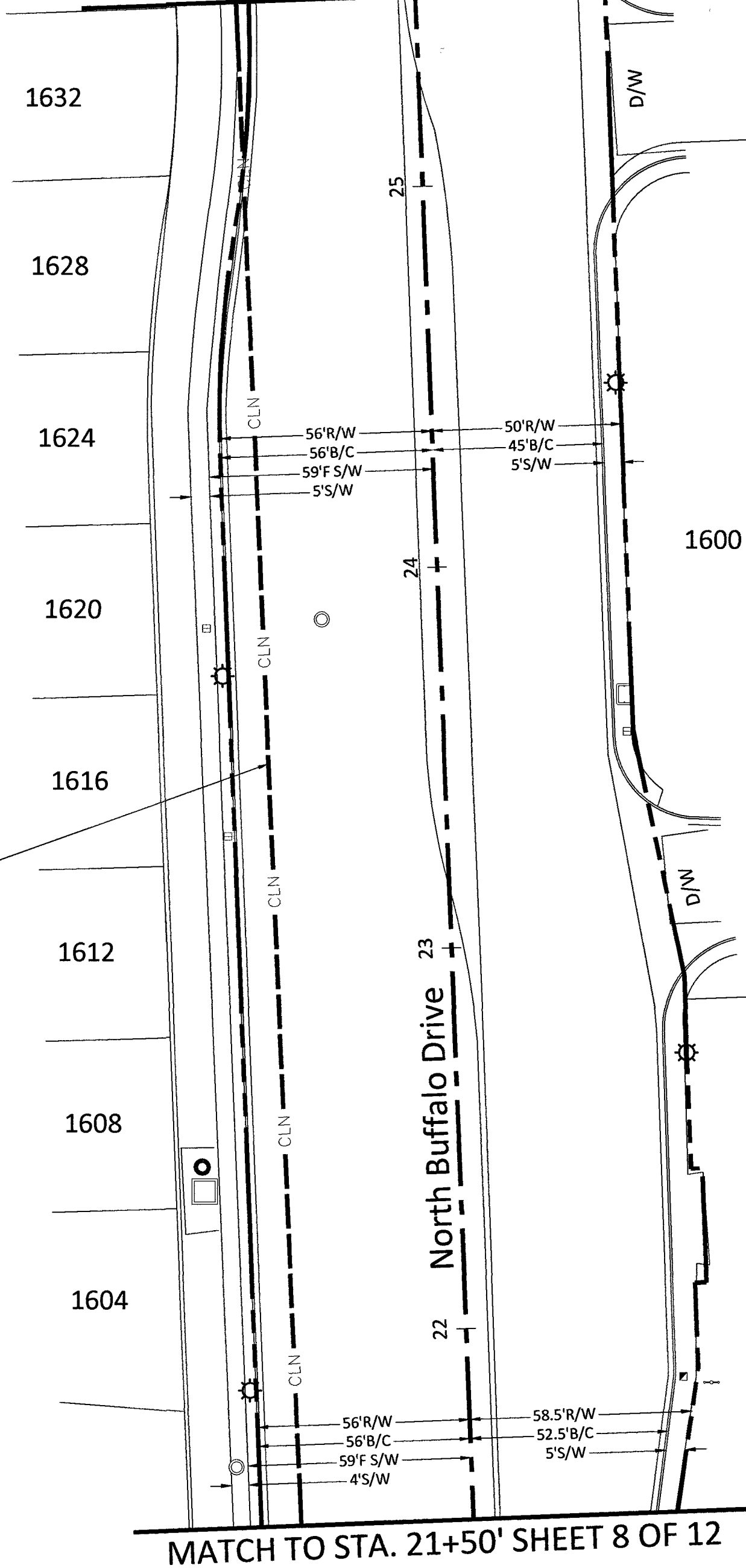
VERTICAL: NA

MP TO MP

SHEET 9 OF 12

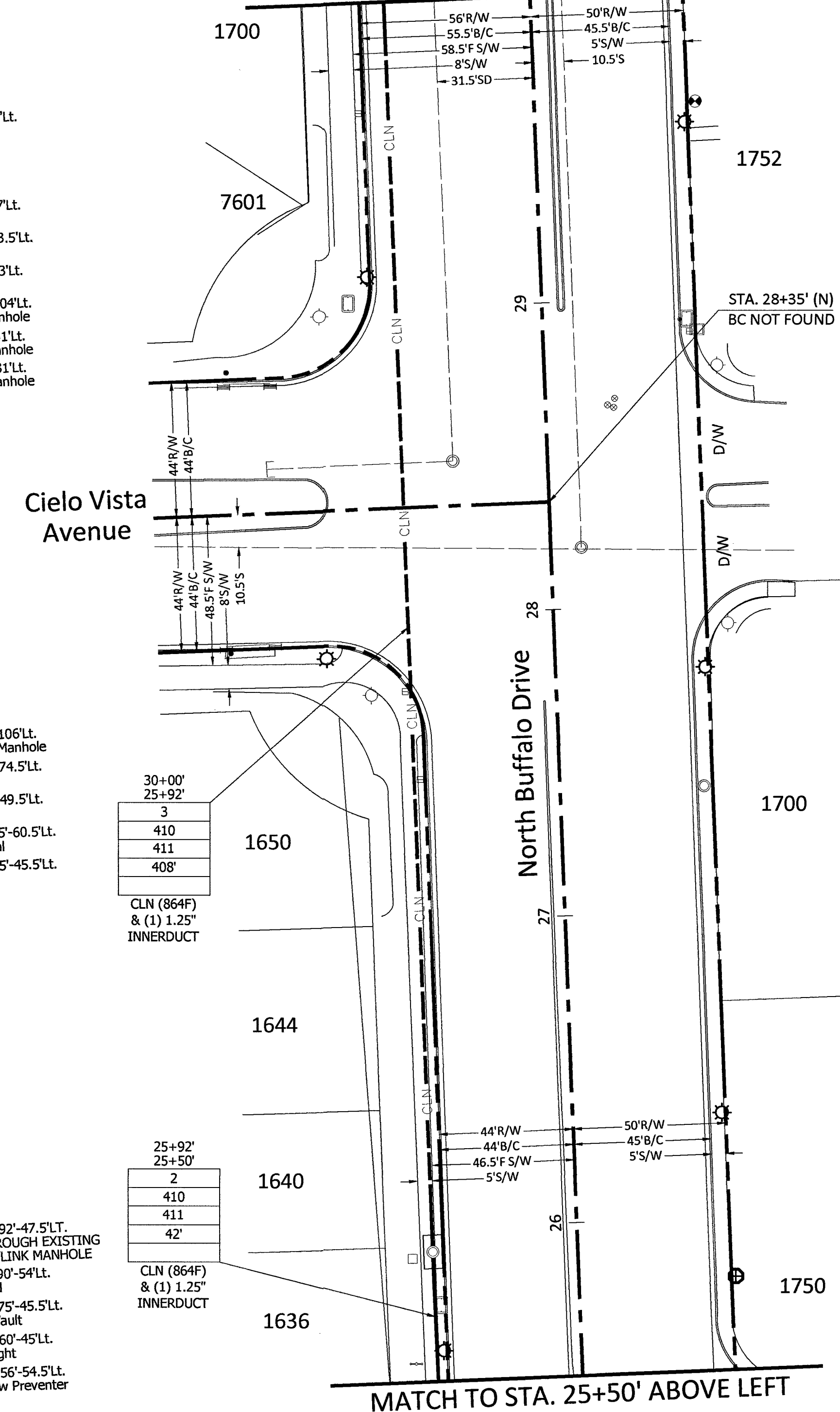
FILE: LSV ANGEL

MATCH TO STA. 25+50' BELOW RIGHT



MATCH TO STA. 21+50' SHEET 8 OF 12

MATCH TO STA. 30+00' SHEET 10 OF 12



MATCH TO STA. 25+50' ABOVE LEFT

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

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

Sta. 29+64'-57.5'Lt.
J-Box
Sta. 29+10.5'-57'Lt.
Street Light
Sta. 29+02.5'-63.5'Lt.
Comm. Vault
Sta. 28+98.5'-73'Lt.
Traffic Signal
Sta. 28+81.5'-104'Lt.
Catch Basin Manhole
Sta. 28+49.5'-31'Lt.
Storm Drain Manhole
Sta. 28+49.5'-31'Lt.
Storm Drain Manhole

Sta. 24+46.5'-49'Rt.
Street Light
Sta. 23+65'-48'Rt.
Electric Vault
Sta. 23+55'-48.5'Rt.
J-Box

Sta. 22+70'-61'Rt.
Street Light

Sta. 21+85.5'-56.5'Rt.
Water Meter
Sta. 21+83.5'-64'Rt.
Back Flow Preventer

Sta. 27+90'-106'Lt.
Catch Basin Manhole
Sta. 27+87'-74.5'Lt.
Street Light
Sta. 27+75'-49.5'Lt.
J-Box
Sta. 27+74.5'-60.5'Lt.
Traffic Signal
Sta. 27+46.5'-45.5'Lt.
J-Box

STA. 25+92'-47.5'Lt.
PULL THROUGH EXISTING CENTURYLINK MANHOLE
Sta. 25+90'-54'Lt.
Telco Ped
Sta. 25+75'-45.5'Lt.
Comm. Vault
Sta. 25+60'-45'Lt.
Street Light
Sta. 25+56'-54.5'Lt.
Back Flow Preventer

Sta. 29+63.5'-52.5'Rt.
Fire Hydrant
Sta. 29+57'-49'Rt.
Street Light

Sta. 28+93'-47'Rt.
Comm. Vault
Sta. 28+89'-48'Rt.
J-Box
Sta. 28+77.5'-56.5'Rt.
Traffic Signal
Sta. 28+68'-22.5'Rt.
Water Valve
Sta. 28+66'-20.5'Rt.
Water Valve
Sta. 28+65'-22'Rt.
Water Valve

Sta. 28+20'-10'Rt.
Sewer Manhole
Sta. 27+93.5'-57'Rt.
Traffic Signal
Sta. 27+79.5'-49'Rt.
Street Light

Sta. 27+40.5'-47'Rt.
Telco Manhole

Sta. 26+34'-49'Rt.
Street Light

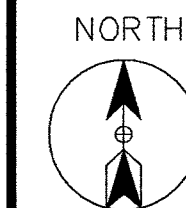
Sta. 25+80.5'-51.5'Rt.
Steel Transmission Pole

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 ANGEL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO.	QUANTITY
SHEET TOTAL	
2" HDPE CONDUIT:	6'
2.5" HDPE CONDUIT:	-
4" HDPE CONDUIT:	24'
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:	751'
TRENCH:	24'
BORE:	-
TOTAL NEW UG FOOTAGE:	24'
TOTAL FOOTAGE:	775'

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

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

DATE	DESCRIPTION	INITIAL
-	-	-

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SCALE

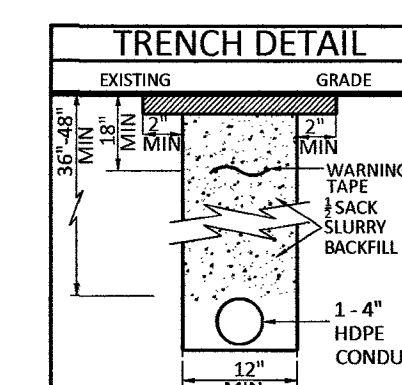
HORIZONTAL: 1"=30'

VERTICAL: NA

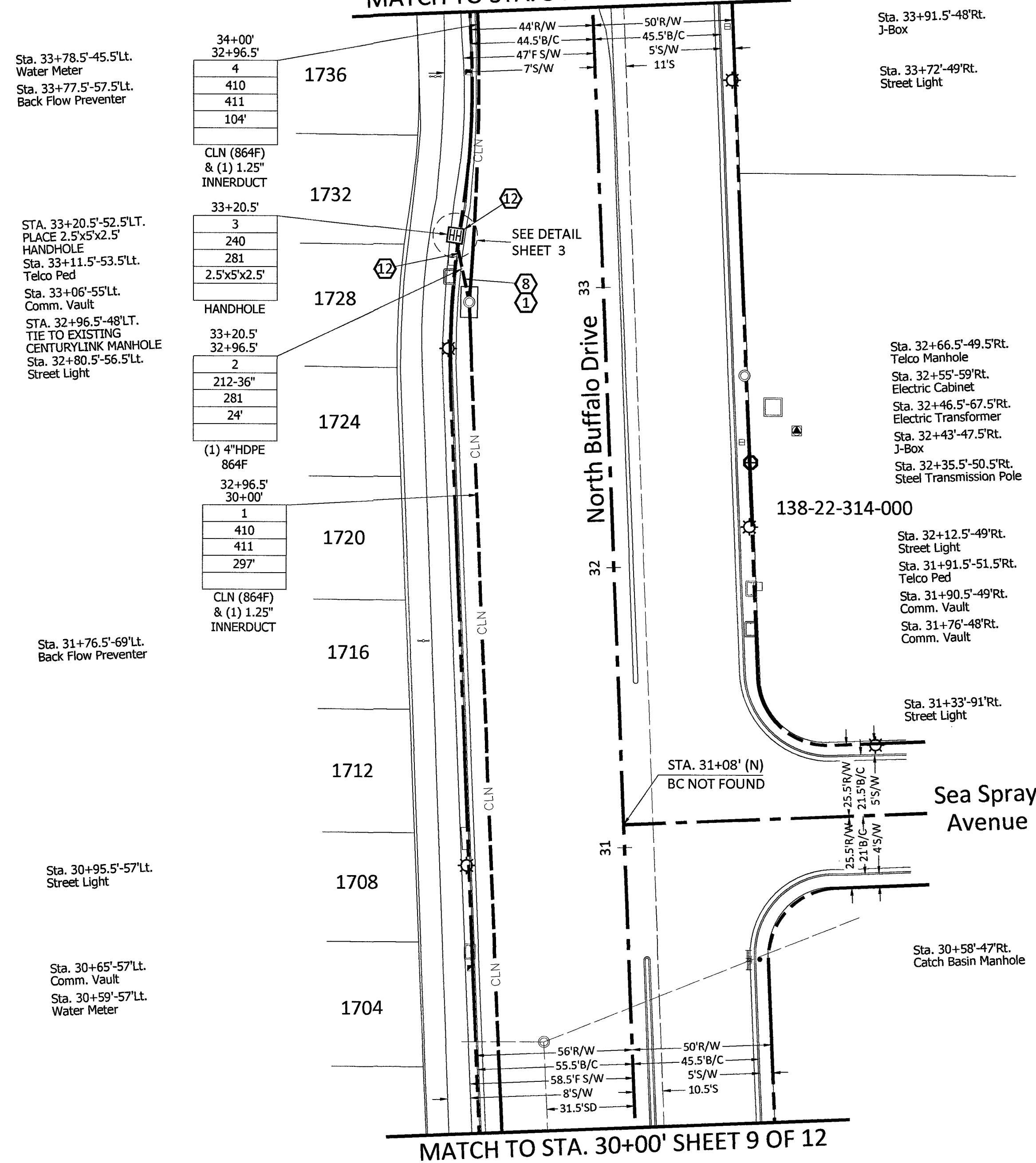
MP TO MP

SHEET 10 OF 12

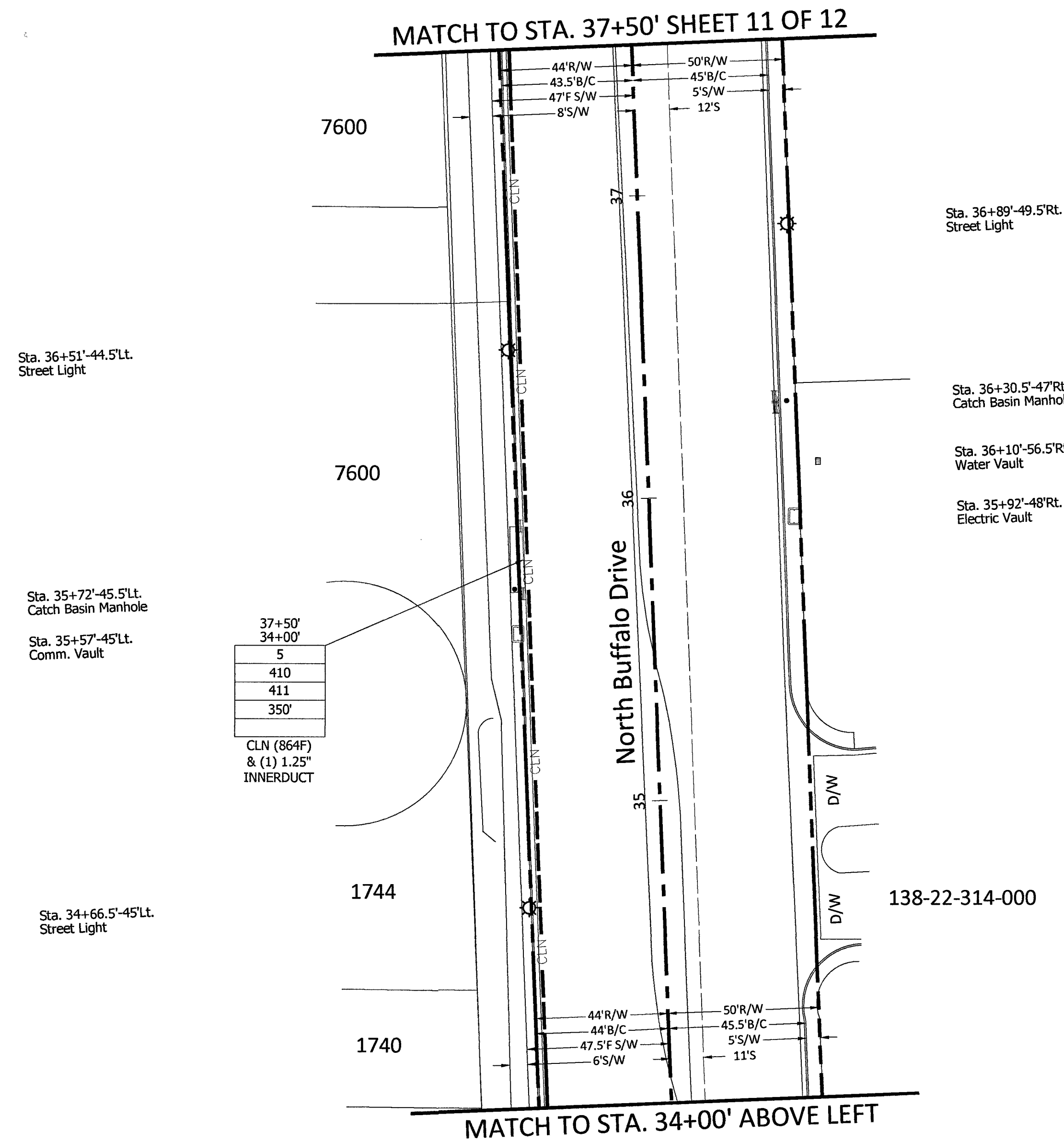
FILE: LSV ANGEL



MATCH TO STA. 34+00' BELOW RIGHT



MATCH TO STA. 37+50' SHEET 11 OF 12



RTC NOTES:

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

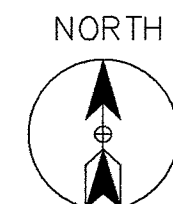
- 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
- 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRAVERSE CUT
- 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
- 500.4 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YEARS PAVEMENT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

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

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



CELL SITE: LSV ANGEL

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:	20'
3RD PARTY CONDUIT:	755'
TRENCH:	-
BORE:	-
TOTAL NEW UG FOOTAGE:	-
TOTAL FOOTAGE:	775'

MCI
COMMUNICATIONS SERVICES, INC.

OUTSIDE PLANT CONSTRUCTION
HUB: LSV TENAYA - CELL SITE: LSV ANGEL

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: 1"=30'

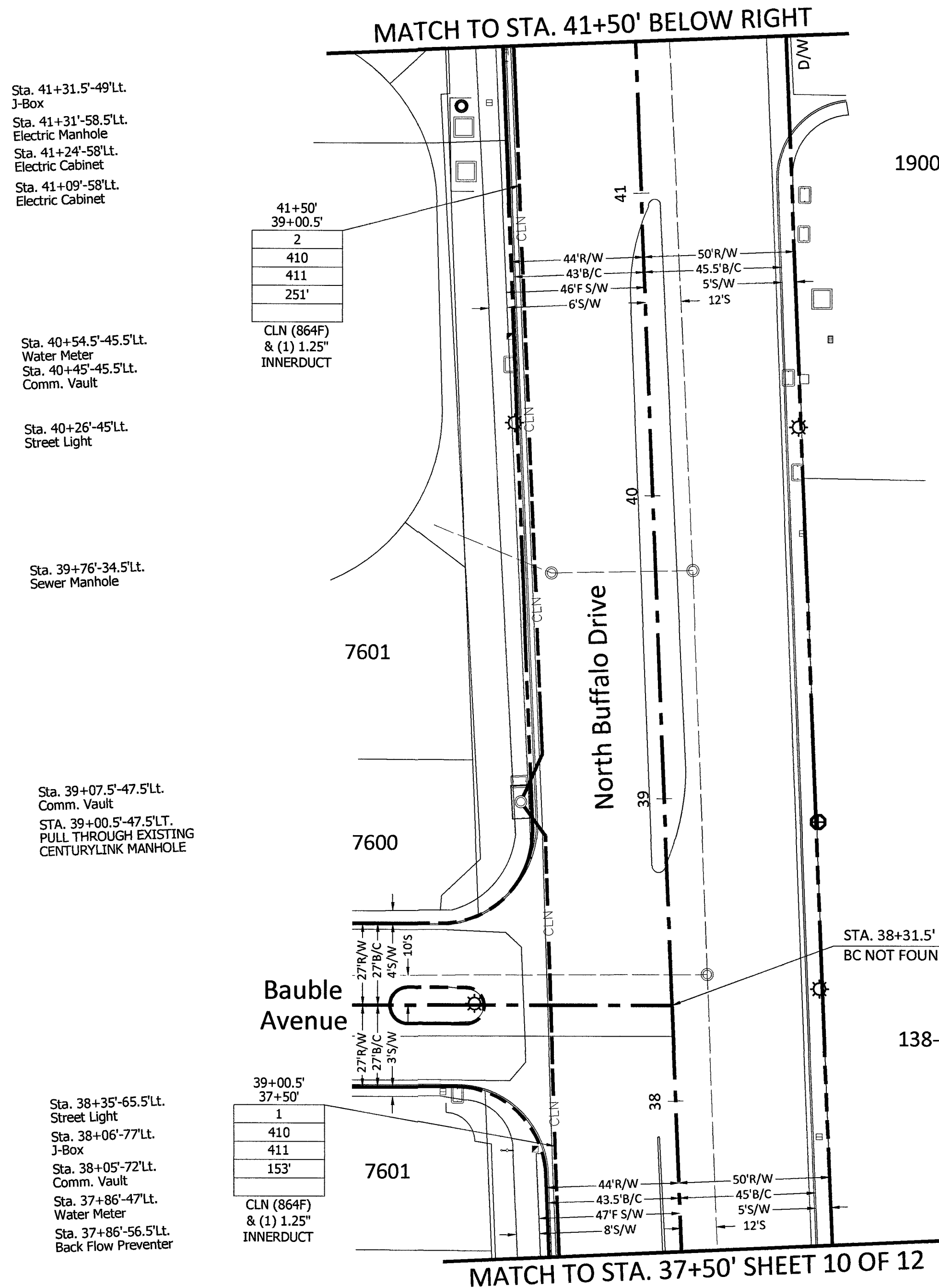
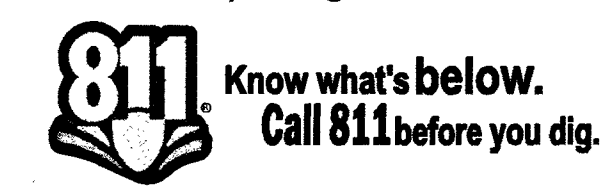
VERTICAL: NA

MP TO MP

SHEET 11 OF 12

FILE: LSV ANGEL

North Buffalo Drive
West Lake Mead Boulevard



1900
Sta. 40+97.5'-54'Rt. Electric Vault
Sta. 40+84.5'-53.5'Rt. Comm. Vault
Sta. 40+63'-58.5'Rt. Electric Cabinet
Sta. 40+49.5'-61'Rt. Water Vault
Sta. 40+37.5'-46.5'Rt. Comm. Vault
Sta. 40+36.5'-51.5'Rt. Telco Ped
Sta. 40+21'-49'Rt. Street Light
Sta. 40+06'-48.5'Rt. Electric Vault
Sta. 39+85.5'-49'Rt. J-Box
Sta. 39+75'-12.5'Rt. Sewer Manhole

Sta. 38+90.5'-50.5'Rt. Steel Transmission Pole

STA. 38+31.5' (N) BC NOT FOUND
Sta. 38+41.5'-12'Rt. Sewer Manhole
Sta. 38+35.5'-49'Rt. Street Light

138-22-315-000

Sta. 37+86.5'-47'Rt. J-Box

Sta. 45+34'-33'Lt. Storm Drain Manhole
Sta. 45+12.5'-55'Lt. Telco Ped
Sta. 45+10.5'-55'Lt. CATV Ped
Sta. 45+07.5'-56.5'Lt. Comm. Vault
STA. 44+98.5'-55.5'Lt. TIE TO EXISTING CENTURYLINK MANHOLE
STA. 44+79'-53.5'Lt. TIE TO EXISTING MCI VAULT
Sta. 44+58.5'-8.5'Lt. Water Valve

Sta. 44+27'-59.5'Lt. Power Supply
Sta. 44+15.5'-58'Lt. Electric Transformer

Sta. 43+89'-46'Lt. Catch Basin Manhole
Sta. 43+67.5'-45'Lt. Street Light
Sta. 43+23.5'-82'Lt. J-Box
Sta. 43+22.5'-85'Lt. Water Meter
Sta. 43+22.5'-74'Lt. Water Meter
Sta. 43+22.5'-89'Lt. J-Box

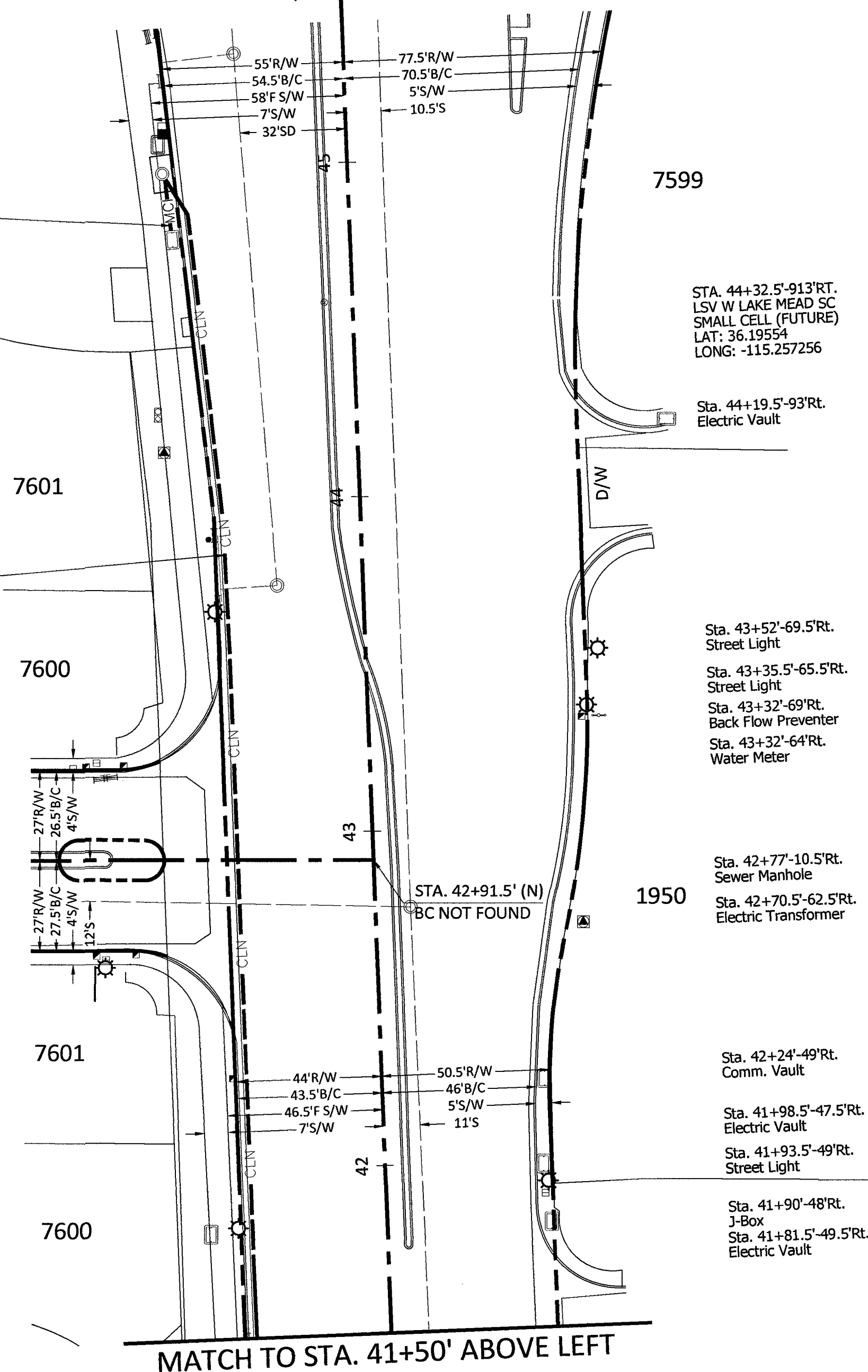
Sta. 42+66'-84'Lt. Water Meter
Sta. 42+66'-72.5'Lt. Water Meter
Sta. 42+65'-81.5'Lt. J-Box
Sta. 42+62.5'-81.5'Lt. Street Light
Sta. 42+28'-45'Lt. Water Meter

Sta. 41+83'-45'Lt. Street Light
Sta. 41+81.5'-53'Lt. Comm. Vault

44+98.5'
44+79'
1
410
-
20'
MCI (864F)

44+98.5'
41+50'
1
410
411
351'
CLN (864F) & (1) 1.25" INNERDUCT

Ameria Avenue



7599

STA. 44+32.5'-913'Rt. LSV W LAKE MEAD SC SMALL CELL (FUTURE)
LAT: 36.19554
LONG: -115.257256

Sta. 44+19.5'-93'Rt. Electric Vault

Sta. 43+52'-69.5'Rt. Street Light
Sta. 43+35.5'-65.5'Rt. Street Light
Sta. 43+32'-69'Rt. Back Flow Preventer
Sta. 43+32'-64'Rt. Water Meter

Sta. 42+77'-10.5'Rt. Sewer Manhole
Sta. 42+70.5'-62.5'Rt. Electric Transformer

Sta. 42+24'-49'Rt. Comm. Vault

Sta. 41+98.5'-47.5'Rt. Electric Vault
Sta. 41+93.5'-49'Rt. Street Light

Sta. 41+90'-48'Rt. J-Box
Sta. 41+81.5'-49.5'Rt. Electric Vault

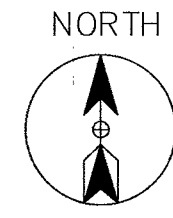
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411	PULL THROUGH DUCT (INNERDUCT)
520	PLACE AERIAL CABLE
630	DIRECTIONAL BORE

M:\VERSION ONE\FIBER\LAS VEGAS\LSV TENAYA\LSV ANGEL\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.



CELL SITE: LSV ANGEL

CITY OF LAS VEGAS, NEVADA

CLARIFICATION NO. QUANTITY

FIBER TOTALS

FIBER SIZE/LENGTH: 864F - 3,315'

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

DATE: 3/15/2019

DRAWN BY: ADADKHAH

REVISIONS

DATE	DESCRIPTION	INITIAL
-	-	-

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SCALE

HORIZONTAL: 1"=30'

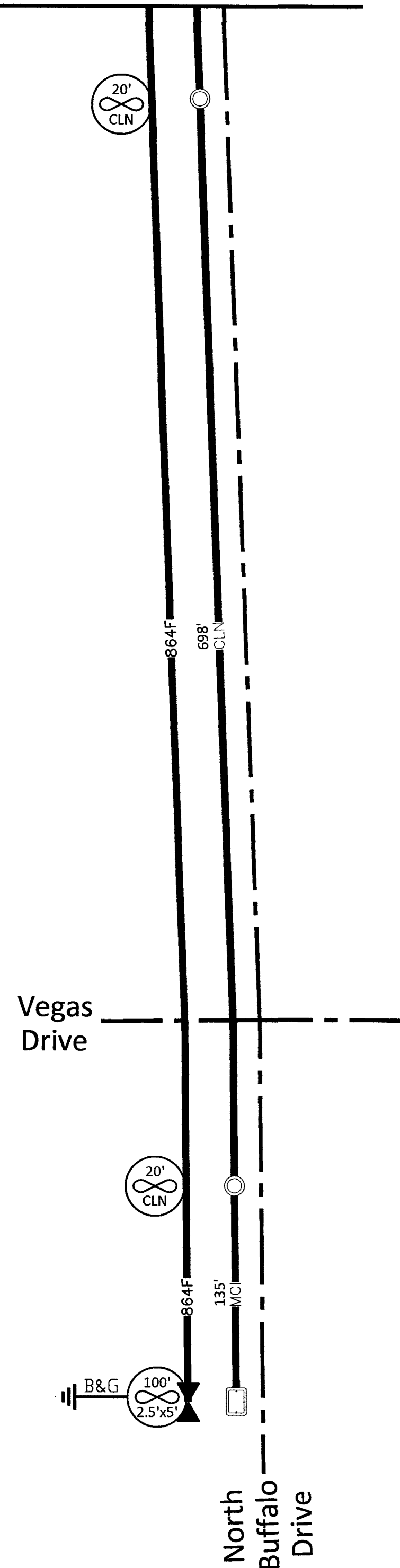
VERTICAL: NA

MP TO MP

SHEET 12 OF 12

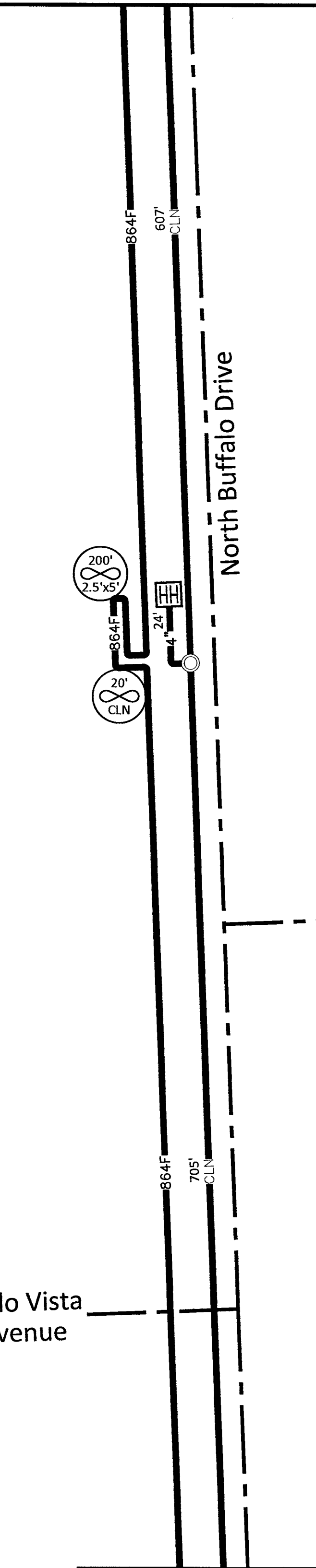
FILE: LSV ANGEL

MATCH TO BELOW MIDDLE

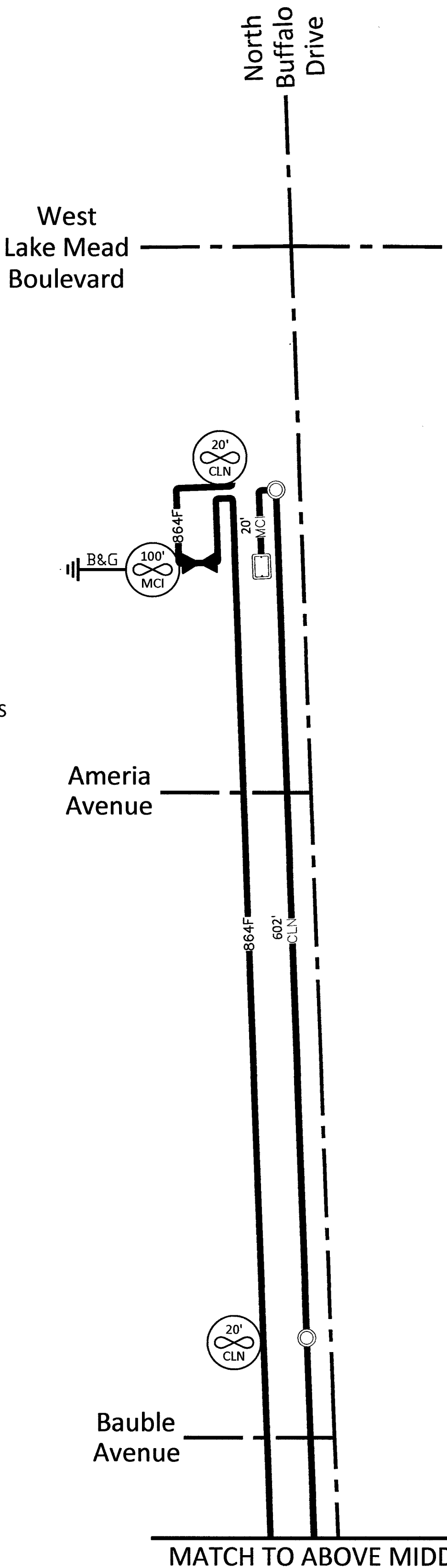


*PLACING INNERDUCT AT ALL CENTURYLINK CONDUITS

MATCH TO BELOW RIGHT



*PLACING INNERDUCT AT ALL CENTURYLINK CONDUITS



SITE-SPAN NAME: CELL SITE: LSV ANGEL									
SITE-SPAN ID: 1708APXZ.001									
FQID	SEGMENT	FIBER COUNT	TRENCH	BORE	DB/OT	3RD PARTY	VZ OWNED	AERIAL	TOTAL
FIB:BUR::56001260	914066	864F	-	-	-	-	135'	-	135'
FIB:BUR::56001260	914062	864F	-	-	-	2,612'	-	-	2,612'
FIB:BUR::56001260	914237	864F	24'	-	-	-	-	-	24'