

CITY OF LAS VEGAS GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS 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 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.
- AS 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 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.
- CITY 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

LEGEND

PROPOSED	EXISTING	REV.	DATE	DESCRIPTION
BORE FTG	VAULT	CATV PEDESTAL		
TRENCH FTG	PULLBOX	POWER SUPPLY		
ASPHALT CUT FTG	HANDHOLE	CATV CABINET		
TRENCH	MANHOLE	VAULTED PED		
OPEN TRENCH	POTHOLE	BORE PIT		
BORE	FIRE HYDRANT	UTILITY PEDESTAL		
	TRAFFIC SIGNAL	STEEL POWER POLE		
	TRANSFORMER	WOOD TRANS. POLE		
	BRASS CAP	STEEL TRANS. POLE		
	VAULT	WOOD POWER POLE		
	POWER SUPPLY	JUNCTION BOX		
	CATV PEDESTAL	UTILITY MANHOLE		
	UTILITY CABINET	CATCH BASIN		
	BACK FLOW PREVENTER			
	IRRIGATION CONTROL VALVE			
	POLE ANCHOR			
	BLOCK WALL			

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

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: L18-02814 10/19/18 7568 - F1B DATE 2 12 19

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

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

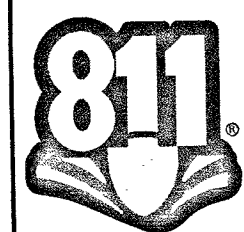
CONTRACTOR TO PLACE CONDUIT IN APPROXIMATE LOCATION SHOWN ON PLAN & PROVIDE AS-BUILTS WITH SPECIFIC TIE LOCATION

RTC NOTES:

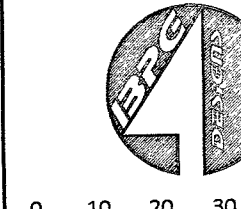
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

(1)	500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
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(11)	234	SIDEWALK
(12)	BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.	

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



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



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

WEST CHARLESTON BOULEVARD
SOUTH GRAND CANYON DRIVE
SOUTH GRAND CANYON DRIVE
WEST SAHARA AVENUE
SITE

CROWN CASTLE
TOWNSHIP AND RANGE
T21S-R60E SEC 06,07

TRENCH: 398' ASPHALT: -

BORE: - TOTAL: 398'

PROJECT TOTAL FOOTAGE: 632'

CUSTOMER PROJECT NAME: 101804487 - SPRINT LV054

CUSTOMER ADDRESS: WEST SAHARA AVENUE AND SOUTH GRAND CANYON DRIVE

PROJECT MANAGER: DAVE BREINHOLT

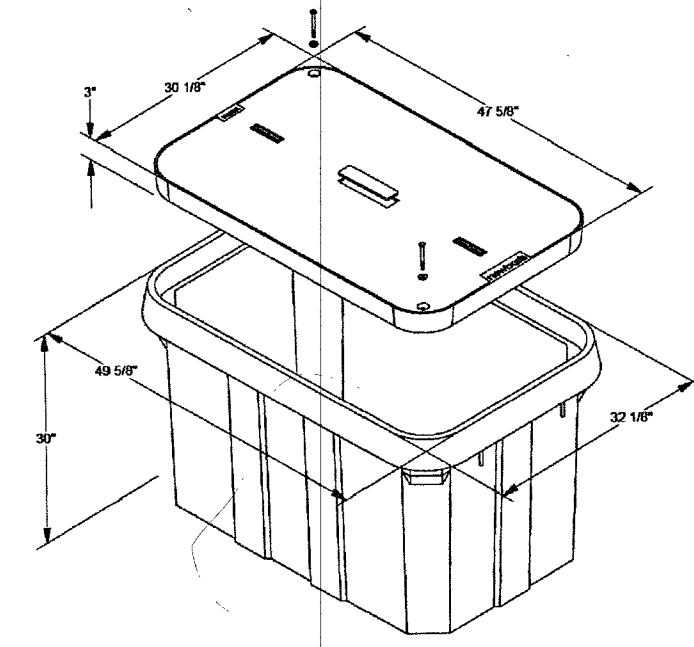
CITY/TOWN/COUNTY: CITY OF LAS VEGAS

DATE: 10/19/18

SHEET NO. 1 OF 2

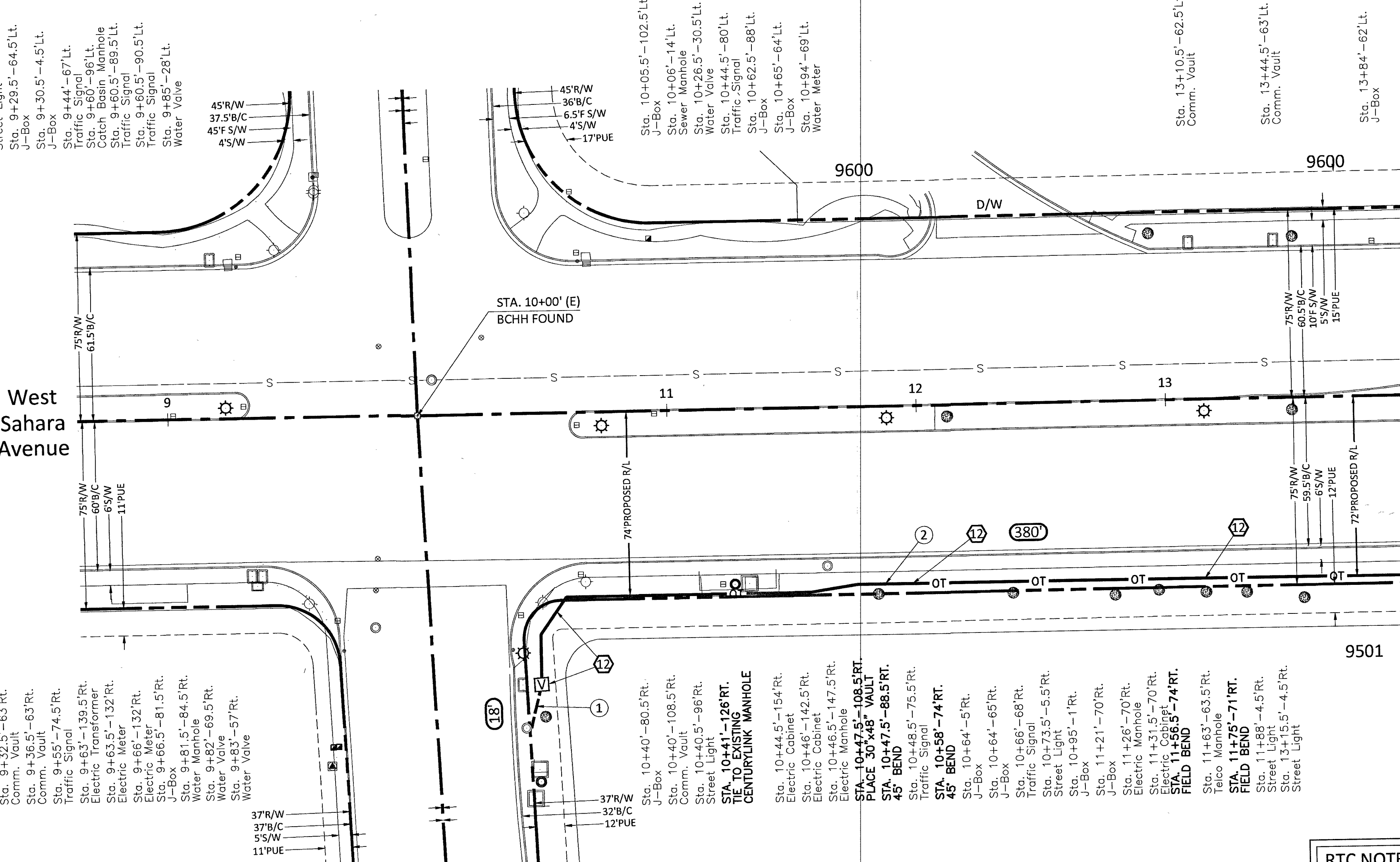
DRAWING NO. 101804487-054

MUNICIPALITY: CITY OF LAS VEGAS



PCA304830-00012
POLYMER CONCRETE ASSEMBLY

MATCH TO STA. 14+00' SHEET 2 OF 2



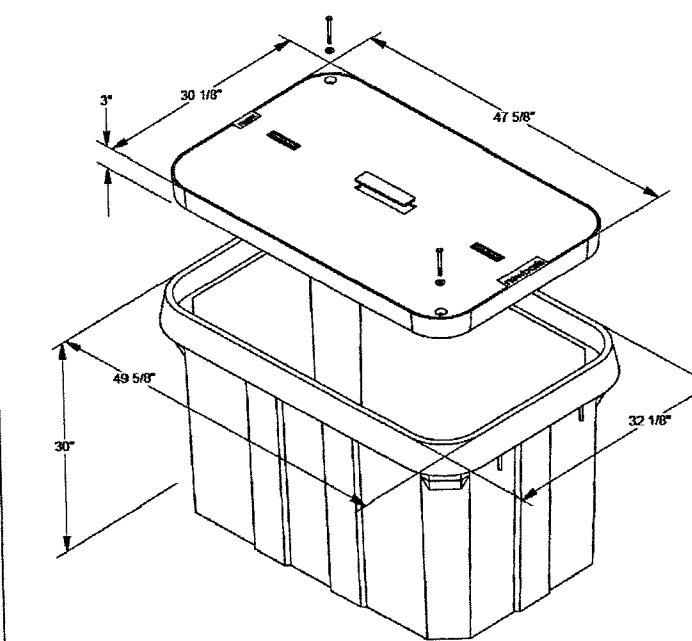
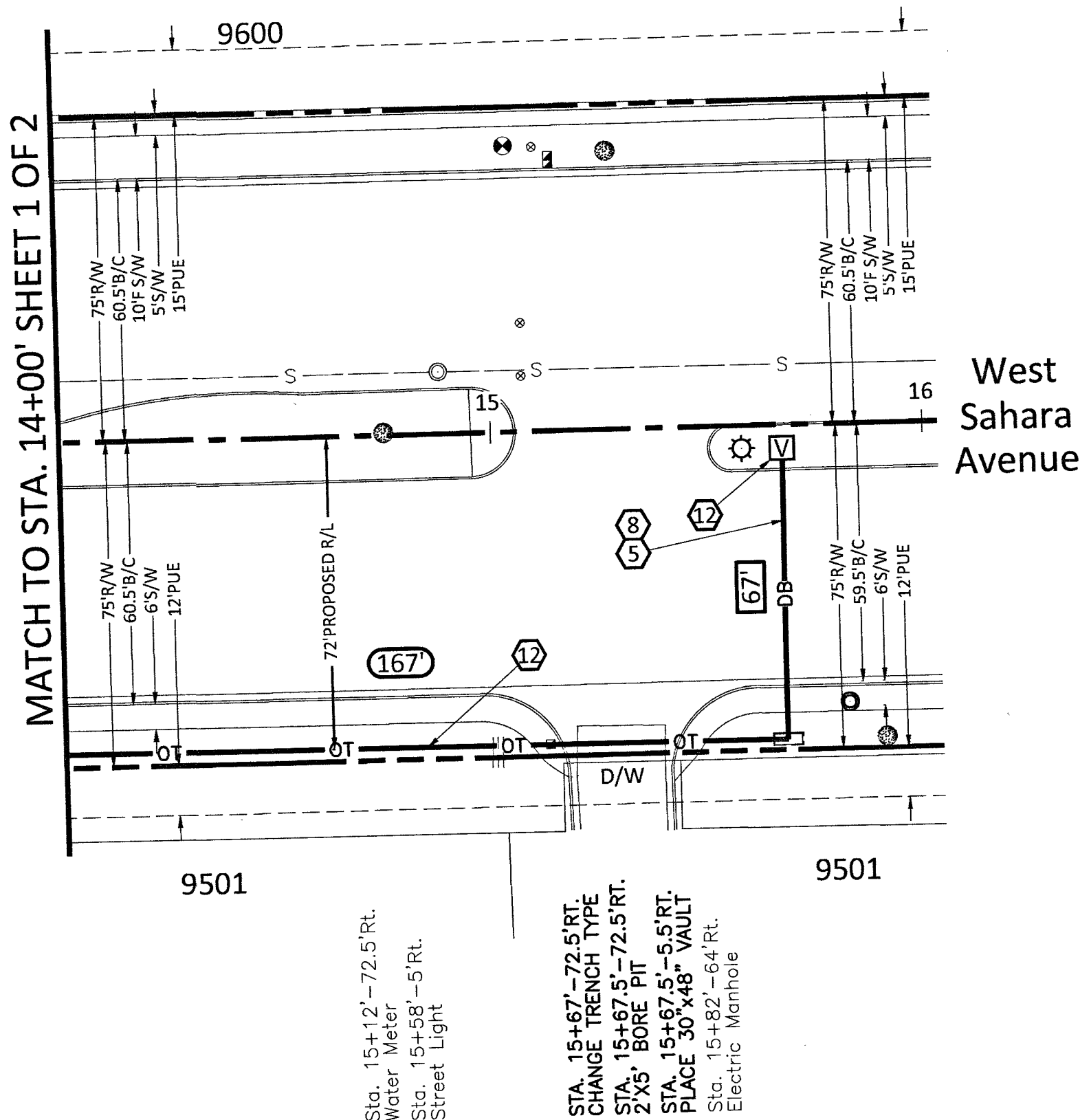
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- REVISED 02/03/15

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	UTILITY METER	TRANSFORMER		
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		IRRIGATION CONTROL VALVE		
		POLE ANCHOR		
		FENCE		
		BLOCK WALL		
		CATCH BASIN		

Sta. 14+88' - 13.5' Lt.
Sewer Manhole
Sta. 14+88.5' - 14.5' Lt.
Sewer Manhole
Sta. 15+04.5' - 66' Lt.
Fire Hydrant
Sta. 15+07.5' - 13' Lt.
Water Valve
Sta. 15+07.5' - 25' Lt.
Water Valve
Sta. 15+11' - 65.5' Lt.
Water Valve
Sta. 15+11' - 61.5' Lt.
Water Valve
Sta. 15+15' - 63.5' Lt.
Water Meter

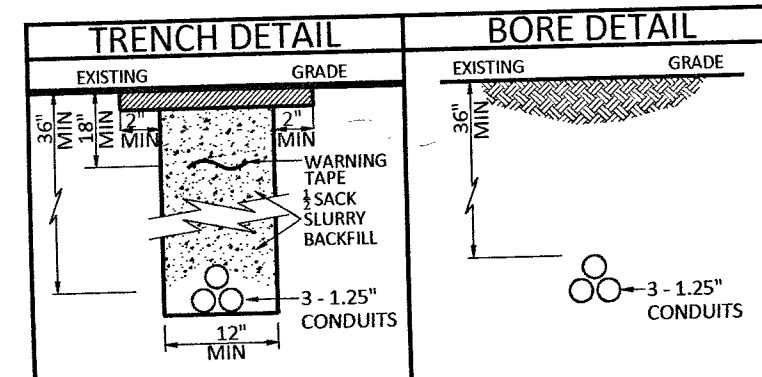


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POLYMER CONCRETE ASSEMBLY

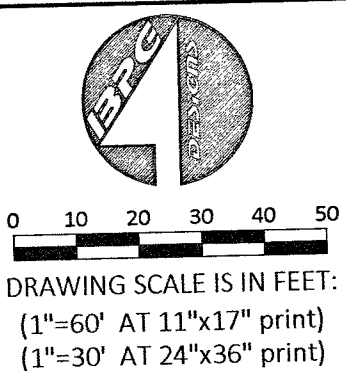
RTC NOTES:

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

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

TRENCH: 167' ASPHALT:
BORE: 67' TOTAL: 234'
PROJECT TOTAL FOOTAGE

CUSTOMER PROJECT NAME
101804487 - SPRINT LV054

CUSTOMER ADDRESS
WEST SAHARA AVENUE AND SOUTH GRAND CANYON DRIVE

PROJECT MANAGER
DAVE BREINHOLT

CROWN CASTLE
TOWNSHIP AND RANGE
T21S-R60E SEC 06,07

CITY/TOWN/COUNTY
CITY OF LAS VEGAS

DATE
10/19/18

SHEET NO.
2 OF 2

DRAWING NO.
101804487-054

MUNICIPALITY: CITY OF LAS VEGAS