



**SEWER CONSTRUCTION NOTES**

- INSTALL 6" PVC SEWER LATERAL PIPE PER STD DWG. SD-22 AND SD-25. SAWCUT EXIST. AC TRENCH SECTION, BACKFILL AND REPLACE PER CCAUSD #500.5.
- INSTALL 6" SEWER CLEANOUT PER STD DWG. SD-26. LOCATE CLEAN OUT WITHIN 2' OF PROPERTY LINE.
- INSTALL 2000 GALLON JENSEN PRECAST MODEL JP2000ECE-G GREASE INTERCEPTOR. SAWCUT EXISTING AC TRENCH SECTION, BACKFILL AND REPLACE AC PER CCAUSD #500.4, 500.5 & 503.

**WATER CONSTRUCTION NOTES**

- INSTALL 8" x 6" TEE PER UDACS PLT No. 31 AND 6" GATE VALVE PER UDACS PLT No. 30 & 39.
- INSTALL 6" PVC C900 WL.
- TRENCH & BACKFILL PER UDACS PLATE NO. 18.
- INSTALL 6" RPPA PER UDACS PLATE NO. 56.
- MAINTAIN 3' CLEAR BETWEEN HYDRANT AND TO 2" RPPA PAD.
- INSTALL 2" WATER METER & SERVICE SADDLE PER UDACS PLATE NO. 4.
- INSTALL 2" RPPA PER UDACS PLATE NO. 8 (DEVICE MANIFOLDED ON THE PRIVATE SIDE). MAINTAIN 3' CLEAR BETWEEN PADS OF RPPA'S.
- ABANDON SERVICE PER DISTRICT NOTE (SEE BELOW, THIS SHEET).
- INSTALL 1" RPPA PER UDACS PLATE NO. 8.
- INSTALL 2" 3/4" TYPE "K" COPPER WATER LINE FOR DOMESTIC WATER SUPPLY.
- INSTALL 2" 1/4" TYPE "K" COPPER WATER LINE & FITTINGS FOR IRRIGATION USE.
- INSTALL FIRE HYDRANT PER UDACS PLATE NO. 40.
- REMOVE & RETURN EXISTING WM TO LVWD.
- INSTALL 2" x 3" REDUCER.
- INSTALL 3" TYPE "K" COPPER WATER LINE FOR DOMESTIC SUPPLY.
- INSTALL 35 LF OF 8" DIP-CLASS 350 WATER LINE FROM STA 11+86.58 TO STA 12+21.58.
- EX. 3/4" WL PER AVAILABLE RECORDS. CONTRACTOR TO ABANDON 3/4" LATERAL PER NOTE ON THIS SHEET.
- INSTALL 1" TYPE "K" COPPER WATER LINE FOR IRRIGATION WATER SUPPLY.
- SAWCUT AND REPLACE EXISTING AC PER CC STD DWG. NO. 500.5 & TRENCH PER CCAUSD NO. 503. CONTRACTOR SHALL REPLACE ALL OBLITERATED PAVEMENT MARKINGS.

**NOTES:**

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

ALL ABOVE GROUND UTILITY APPURTENANCES WILL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08.

**APPROVED FOR CONSTRUCTION**

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER  
 PROJECT 122659 DATE:  
 LVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL.

**CITY OF LAS VEGAS FIRE DEPARTMENT**

CITY OF LAS VEGAS FIRE DEPARTMENT DATE

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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 1-702-432-5300

**PUBLIC PRIVATE**

17 LF	0 LF
2 EA	0 EA
0 EA	1 EA

**PUBLIC PRIVATE**

2 EA	0 EA
104 LF	0 LF
126 LF	0 LF
1 EA	0 EA
1 EA	0 EA
2 EA	0 EA
5 EA	0 LF
1 EA	0 EA
61 LF	0 LF
10 LF	0 LF
1 EA	0 EA
5 EA	0 EA
1 EA	0 EA
15 LF	0 LF
35 LF	0 LF
40 LF	0 LF

**BENCHMARK**

CITY OF LAS VEGAS BENCHMARK CHASS3  
 A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF THIRD STREET AND CHARLESTON BOULEVARD.  
 ELEVATION = 617.495 METERS (2025.90 FEET)  
 NAVD 1989 DATUM

**BASIS OF BEARING**

NORTH 62°03'48" WEST, BEING THE BEARING OF THE CENTERLINE OF GASS AVENUE AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE AS FILE 67, PAGE 79 OF SURVEYS.

**REDUCED PRESSURE PRINCIPLE ASSEMBLY (2)-2" & (1)-1"**

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. ANY BLOCK WALL OR ANY OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

**REDUCED PRESSURE DETECTOR ASSEMBLY (1)-6"**

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 56. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW THE LVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

**ABANDONMENT OF EXISTING SERVICE LATERALS (TWO (2) INCH AND SMALLER)**

THE CONTRACTOR SHALL NOTIFY THE AGENCY TWO (2) FULL BUSINESS DAYS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE AGENCY TO TAKE THE FINAL METER READING. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:  
 EXISTING SERVICE LATERALS TO BE ABANDONED FROM EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN A MANNER APPROVED BY THE AGENCY. IF IT IS DISCOVERED THE CORPORATION STOP IS NOT WATER TIGHT, THROUGH NO FAULT OF THE CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE AGENCY FOR FURTHER DIRECTION. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE AGENCY.

**CITY OF LV FIRE DEPT. FIRE FLOW CALCULATIONS**

FIRE FLOW REQUIREMENT IS: 2,000 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.  
 BASED ON:  
 SQUARE FOOTAGE: 72,781  
 LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A  
 BUILDING HEIGHT: FEET 61'-8"  
 NUMBER OF STORIES: 3 FLOORS  
 TYPE OF CONSTRUCTION: IBC TYPE II-A  
 OCCUPANCY: COMMERCIAL  
 FULL AUTOMATIC SPRINKLERS SYSTEM: YES

SHEET 08-31-15  
 DRAWN BY: MP  
 DESIGNED BY: MP  
 CHECKED BY: VH  
 PROJECT NO: Z59041  
 SCALE: 1"=20'

TITLE  
 SANITARY SEWER ASBUILT  
 ECLIPSE MOVIE THEATER  
 3RD STREET AND GASS AVENUE  
 CITY OF LAS VEGAS

REVISIONS

NO.	DESCRIPTION	DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER  
 PROJECT 122659 DATE:  
 LVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL.

CITY OF LAS VEGAS FIRE DEPARTMENT DATE

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SEAL  
 BRUCE L. STRATTON  
 LICENSED PROFESSIONAL ENGINEER  
 No. 0615 (PLUMBING)  
 30 MAR 2017  
 SHEET  
 UT1  
 7 OF 9 SHEETS  
 DRAWING NO.  
 52877

As-Built