

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

WARNING FIRE LINE

(NON-POTABLE WATER)
ALL EXISTING, RELOCATED OR
PROPOSED DCPA/RPDA
INSTALLATIONS,
TO COMPLY WITH THE FEDERAL
SAFE DRINKING WATER ACT, THE
FIRE LINE, OR ANY OF ITS
COMPONENTS, SHALL NOT BE
USED FOR POTABLE DRINKING
WATER AT ANY TIME.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE

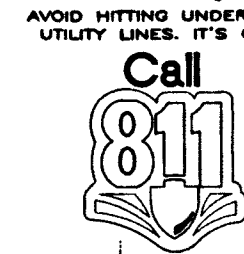
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR
OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED
AROUND THE EASEMENTS TO ALLOW THE DISTRICT DIRECT ACCESS
TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE
ADJACENT RIGHT-OF-WAY. MAINTAIN 2% MAX SLOPE WITHIN THE
EASEMENT.

AS-BUILT

UTILITY NOTES

- ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA
SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WY, BOX, WMH,
ANODE BOX, FH, TEL BOX, ETC.)
- ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE
UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT
OF EXISTING UTILITIES AND SHALL NOTIFY THE DESIGN ENGINEER
IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- REPLACE ALL TRAFFIC AND CONTROL DEVICES, (SIGNS OR PAVEMENT
MARKINGS) UNDER CLARK COUNTY'S JURISDICTION, THAT ARE
DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING
ACTIVITY TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED
SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN
APPROVED EQUIVALENT.

Call before you Dig



OR 1-800-227-2600

FAST

Call
Before
UnderGround

1-702-432-5300
FREEMAN AND APARTIAL
SYSTEM OF TRANSPORTATION

Call
Before
OverHead

1-702-227-2929

ABANDONMENT OF EXISTING SERVICE - 2" AND SMALLER

2" METER, ACCOUNT #9700, SERIAL NUMBER 0656193

THE CONTRACTOR SHALL NOTIFY THE INSPECTION
DIVISION AT THE LVVWD (702-258-3227) 48 HOURS
PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE
DISTRICT TO TAKE THE FINAL METER READING. AFTER
THE FINAL READING, THE CONTRACTOR MAY THEN BEGIN
REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS
FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE
ABANDONED FROM THE 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. 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 DISTRICT. IF THE
CORPORATION STOP IS NOT WATER TIGHT, THE
CONTRACTOR SHALL NOTIFY THE LVVWD COMMUNICATION
SUPPORT CENTER AT 702-258-7171 FOR FURTHER
DIRECTION.

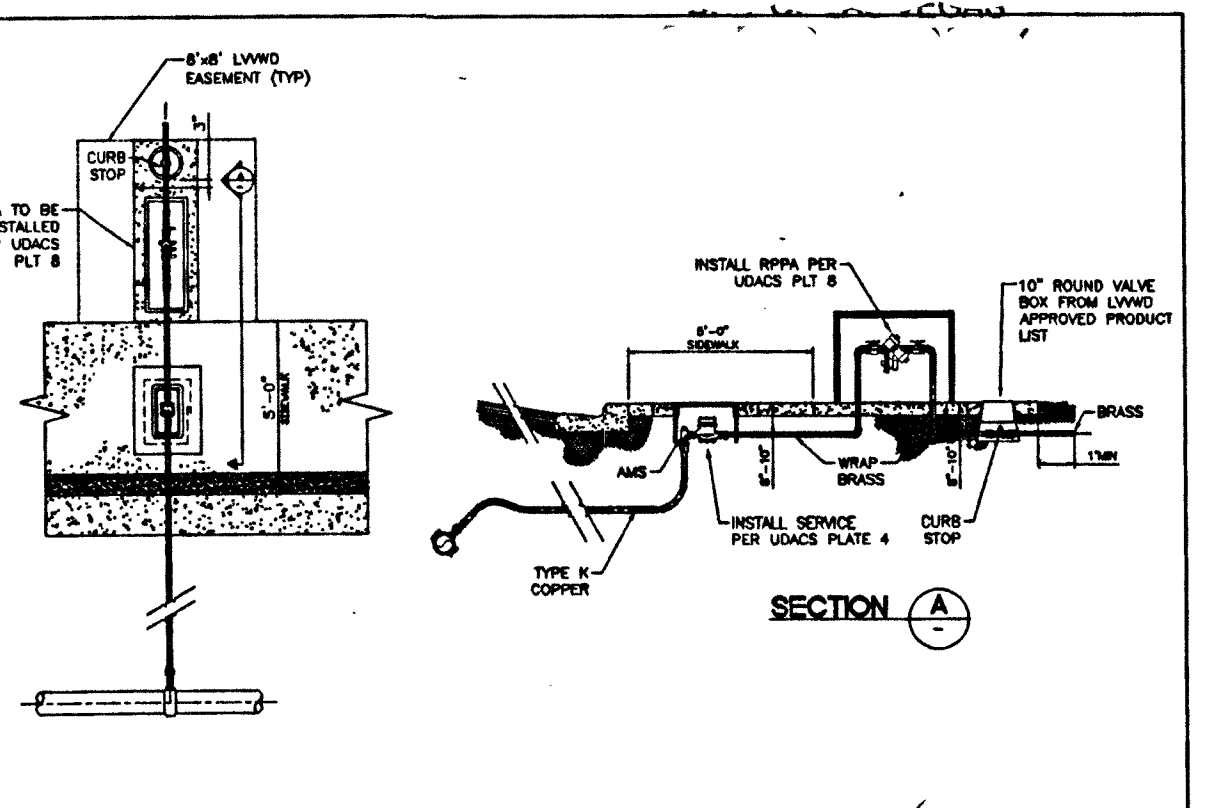
THE EXISTING METER SHALL BE REMOVED AND DELIVERED
TO THE CONTRACTOR SHALL REMOVE THE
EXISTING SERVICE METER BOX AND APPURTENANCES, FILL
AND GRADE ANY AND ALL RESULTING VOIDS, AND
REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR
BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS,
CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS
DAMAGED OR REMOVED DURING THE REMOVAL OF THE
EXISTING METER BOX.

EXISTING POWER POLE
AND OVERHEAD ELEC.
WIRE TO BE REMOVED
PER NV ENERGY PLANS

UTILITY NOTES AND QUANTITIES

THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO
ONE IS TO RELY UPON THEM FOR PAY QUANTITIES

		UNITS	PUBLIC	PRIVATE
<u>WATER</u>				
1	INSTALL 8"x6" TAPPING SLEEVE W/ 6" TAPPING VALVE PER UDACS 2.24.01 (A) PLATES 30, 34 AND 39	EA	2	—
2	INSTALL 6" GATE VALVE PER UDACS PLATE 30 AND 39	EA	2	—
3	INSTALL 1 1/2" WM, SERVICE SADDLE & CORP. STOP PER UDACS PLATE 4	EA	1	—
4	INSTALL 1 1/2" RPPA PER PLATE 8	EA	1	—
5	INSTALL 2" PVC WATER LATERAL	LF	—	5
6	INSTALL 1 1/2" COPPER LINE PER UDACS PLATE 4	LF	15	—
7	INSTALL 1 1/2" BRASS PIPE & FITTINGS			
8	INSTALL CURB STOP PER DETAIL THIS SHEET	EA	1	—
9	INSTALL 6" CHECK VALVE	EA	—	1
10	INSTALL 6" RPDA PER UDACS PLATE 56	EA	1	—
11	INSTALL 6" 90° BEND PER UDACS PLATE 31	EA	—	4
12	INSTALL 6" C-900 PRESSURE CLASS 305 WATER LINE	LF	42	303
13	INSTALL DOWNSTREAM 6" GATE VALVE WITH VALVE LOCK PER UDACS PLATE 30 AND 39	EA	1	—
14	SAWCUT, TRENCHING AND BACKFILL PER UDACS PLATE 17, CCAUSD 503.1, PAVEMENT RESTORATION PER CCAUSD 500.5			
15	INSTALL FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE PER UDACS PLATE 40, 30 AND 39	EA	1	—
16	INSTALL BLUE REFLECTIVE MARKER	EA	1	—
17	FIRE DEPARTMENT CONNECTION			
<u>SEWER</u>				
A	INSTALL 6" PVC SEWER LATERAL (PRIVATE) PER SD-18, SD-22 AND SD-25	LF	—	214
B	INSTALL 6" CLEANOUT PER SD-26 WITH TRAFFIC RATED LID	EA	—	3
C	INSTALL 1500 GAL GREASE INTERCEPTOR AND A SAMPLE BOX PER BUILDING PERMIT	EA	—	1



DETAIL 2
NOT TO SCALE

APPROVED FOR CONSTRUCTION:

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT # 136290
SHEETS: C1, C2, C5
LVVWD APPROVED FIRE FLOW: 1,500 GPM / ONSITE: 0 GPM
FIRE SPRINKLERS: 600 GPM
CITY OF LAS VEGAS FIRE AND RESCUE (C1, C2, C5) DATE
SOUTHWEST GAS CORPORATION DATE

SEWER CONTRIBUTION

- | | | |
|-----------------|-------------------|--------------------|
| 8 FLOOR DRAIN | (EMERGENCY) | 9X2 18 FLOOR DRAIN |
| 9 FLOOR SINK | 2X4 8 FLOOR SINK | 2X4 8 FLOOR SINK |
| 2 TRENCH DRAIN | 4X1 4 FLOOR DRAIN | 4X1 4 FLOOR DRAIN |
| 2 SINK (1-COMP) | 2X2 4 FLOOR SINK | 2X2 4 FLOOR SINK |
| 1 SINK (3-COMP) | 1X5 5 FLOOR SINK | 1X5 5 FLOOR SINK |
| 6 HANDSINK | 6X1 6 FLOOR SINK | 6X1 6 FLOOR SINK |
| 1 DISHWASHER | 1X4 4 FLOOR SINK | 1X4 4 FLOOR SINK |
| 1 ICE MACHINE | 1X3 3 FLOOR SINK | 1X3 3 FLOOR SINK |
| 1 MOP SINK | 1X3 3 FLOOR SINK | 1X3 3 FLOOR SINK |
| 1 URINAL | 1X2 2 FLOOR SINK | 1X2 2 FLOOR SINK |
| 5 WC | 5X4 20 FLOOR SINK | 5X4 20 FLOOR SINK |
| TOTAL: | 77 FLOOR SINK | 77 FLOOR SINK |

AVERAGE: 77 FU x 0.70 ERU's x 250 gpd =
13,475 gpd = 0.0135 mgd
0.0135 gpd x 3.4 peak factor = 0.0458 mgd

RPDA (1) 6"

THE REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH UDACS
PLATE 56. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL
THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER
FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF EASEMENT(S),
SO AS 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.

RPPA (1) 1 1/2"

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 ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER
FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), TO
ALLOW LVVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY
MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

BASIS OF BEARING

NORTH 28°02'08" EAST, BEING THE BEARING OF THE CENTERLINE OF LAS VEGAS BOULEVARD BETWEEN ST.
LOUIS AVENUE AND OAKLEY BOULEVARD LOCATED IN THE NORTHWEST QUARTER (NW 1/4) OF THE
SOUTHWEST QUARTER (SW 1/4) OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF
LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 193 OF SURVEYS,
PAGE 94, OFFICIAL RECORD'S CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK "OAKLEY 5", BEING A RIVET AND PLATE IN THE TOP OF CURB AT SE
CORNER OF OAKLEY BLVD & LAS VEGAS BLVD. ALSO STAMPED BLV113W6
ELEVATION: 2030.6 US SURVEY FEET OR 618.927 METERS (NAVD 88)

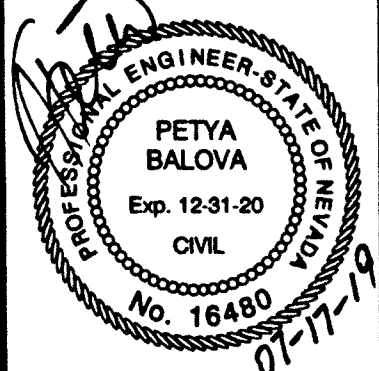
DETAIL 1
SCALE: 1"=10'

IHOP - LAS VEGAS BOULEVARD UTILITY PLAN

BALOVA ENGINEERING
7495 WEST AZURE DR. # 140
LAS VEGAS, NV 89130
TEL 702-682-1706

1809 S. LAS VEGAS BOULEVARD
LAS VEGAS, NV 89104

DESIGNED BY: PB
CHECKED BY: PB
DATE: 07/08/19
JOB #: 18-IHOP
APN: 162-03-310-007
SECTION 3 T21SR 61E
SCALE: HORIZ 1" = 20'



SHEET #
C5
5 OF 6

PROJ: 136290A QS-162-03-310