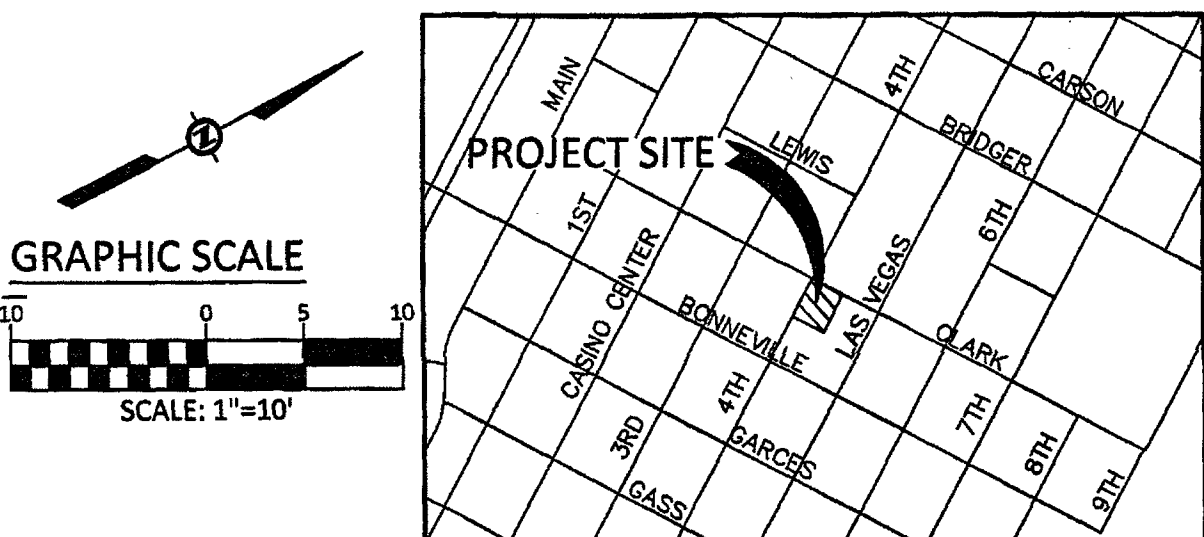




BASIS OF BEARINGS **VICINITY MAP**

SOUTH 27°54'34" WEST, BEING THE CENTERLINE OF FOURTH STREET, BETWEEN BONNEVILLE AVENUE AND CLARK AVENUE, AS SHOWN IN FILE 67, PAGE 79 OF SURVEYS ON FILE AT THE CLARK COUNTY NEVADA RECORDERS OFFICE. NTS

BENCHMARK

CITY OF LAS VEGAS BENCH MARK # 14LV013458

FOUND RIVET AND PLATE TOP CURB NW CORNER OF BONNEVILLE AND LAS VEGAS BOULEVARD.

ELEVATION - 612.205 (METERS) / 2008.54 (U.S. SURVEY FEET)
NORTH AMERICAN VERTICAL DATUM OF 1988

DCSWCS: DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS	
1	INSTALL PVC SEWER LINE (SD-35) PER DCSWCS DWG. NO. SD-17 (PAVED AREAS) AND SD-16 (UNPAVED AREAS).
2	INSTALL WYE CONNECTION PER DCSWCS DWG. NO. SD-22.
3	POINT OF CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION.
4	INSTALL 6" CLEAN-OUT PER DCSWCS DWG. NO. SD-26

WATER CONSTRUCTION NOTES		
NO.	ITEM	UDACS: PLATE NO. PER UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS

1	INSTALL PVC WATER LINE (2-300) (SIZE PER PLAN) PER UDACS PLANE NO. 17.
2	INSTALL 10"x 6" TAPPING SLEEVE W/6" TAPPING VALVE (SIZE PER PLAN) PER UDACS PLATE NO. 34. -- SEE A/C/S.01 FOR DETAIL.
3	INSTALL COPPER WATER LINE (SIZE PER PLAN) PER UDACS PLATE NO. 4.
4	INSTALL BRASS WATER LINE (SIZE PER PLAN) PER UDACS PLATE NO. 4.
5	INSTALL 2" WATER METER PER UDACS PLATE NO. 4 WITH 2" RPFA PER UDACS PLATE NO. 8
6	INSTALL COMPACT 6" RPDA PER UDACS PLATE NO. 56.
7	POINT OF CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION.
8	INSTALL 6" TEE PER UDACS PLATE NO. 31.
9	INSTALL 6" GATE VALVE PER UDACS PLATE NO. 30.
10	INSTALL VEHICLE PROTECTION BOLLARDS PER UDACS PLATE NO. 75 (TYP OF 4)
11	INSTALL FIRE HYDRANT PER UDACS PLATE NO. 40.
12	TRENCH SECTION AND BACKFILL FOR UTILITIES PER UDACS PLATE NO. 17.
13	INSTALL 3" 90° BEND
14	INSTALL 90° BEND (SAME SIZE AS LINE) PER UDACS PLATE NO. 31.
15	INSTALL FIRE DEPARTMENT CONNECTION
16	INSTALL 2"x3" REDUCER
17	EXISTING WATER METER TO BE REMOVED. LINE TO BE ABANDONED.
18	EXISTING IRRIGATION BOX TO BE REMOVED. LINE TO BE ABANDONED.
19	CAP 6" WATER LINE FOR FUTURE CONNECTION

FIRE FLOW INFORMATION BLOCK

USE/OCCUPANCY: A-B-M
TYPE OF CONSTRUCTION: V-B
FIRE FLOW: 2.125* GPM @ 20 PSI
AUTOMATIC FIRE SPRINKLERS X YES NO
NFPA 13 X 13R 13D
ESFR YES/NO X
EX SQUARE FOOTAGE: 0
PROPOSED SQUARE FOOTAGE: 26.132
TOTAL SQUARE FOOTAGE: 26.132
LARGEST AREA BETWEEN 4 HOUR WALLS: N/A
BUILDING HEIGHT: VARIABLES, 44' MAX
OF STORIES INCLUDING BASEMENT: 2
HIGH PILED COMBUSTIBLE STORAGE: YES/NO X
OF HYDRANTS INSTALLED: 1 N/A X

LAS VEGAS FIRE & RESCUE

APPROVED FOR CONSTRUCTION

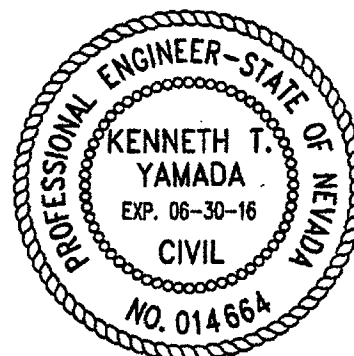
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER 1ST APPROVED 10/28/15
DATE: _____ PROJECT NO. 124054
LVVWD APPROVED FIRE FLOW 2.125 GPM AT 20 PSI RESIDUAL

REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) (1) 6"
THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UFGCS WATER MAINS. NO WATER SHALL BE TAKEN FROM SERVICE MAINS UNTIL THE WATER MAINS PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 2" APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY (S) SHALL BE INSTALLED PER THE UDAC PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION. REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVVWD. ANY BLOCK WALL OR 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.

N-POTABLE WATER)
PROPOSED DCGA/RPDA INSTALLATIONS
AL SAFE DRINKING WATER ACT, THE FIRE LINE, OR ANY
BE USED FOR POTABLE DRINKING WATER AT ANY TIME."
SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE
IVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE
AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO
SEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

**COLLINS
ENGINEERS²**
1130 S. DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
Phone: 702-248-8000
Fax: 702-248-8070

[illegible]

4TH & CLARK OFFICE COMPLEX

APN: 139-34-303-002

UTILITY PLAN

DATE:	10/15/15
JOB NUMBER:	9040
DESIGNED:	B. BALANIS
DRAWN:	J. SALDIVAR
CHECKED:	K. YAMADA
SHEET NUMBER	

C5.01

SHEET 7 OF 8

CALL BEFORE YOU DIG AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600	FAST Call before you Underground 1-702-227-4332 300 FREEWAY AND ARTISAN SYSTEM OF TRANSPORTATION	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD WORK 1-702-227-2929
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COLLINS ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO RESOLVE ANY CONFLICT BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

[illegible]

WARNING FIRE LINE (NON-POTABLE WATER)
ALL EX RELOCATED OR PROPOSED CDDA/RPDA INSTALLATIONS
 "TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, THE FIRE LINE, OR ANY
 OF ITS COMPONENTS, SHALL BE USED FOR POTABLE DRINKING WATER AT ANY TIME."
EASEMENTS 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 EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO
 THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

As-Built