

LEGEND

PROPOSED	EXISTING	
25 L.F. 8" PVC WAT.	EX. 8" PVC WAT.	WATER LINE
SS @ 2.00%	EX. 8" PVC SS @ 2.00%	SANITARY SEWER LINE
N/A	EX. 2" GAS	GAS LINE
N/A	OHP	OVERHEAD POWER LINE
N/A	TEL	TELEPHONE LINE
N/A	CATV	CABLE TELEVISION LINE
DCDA	DCDA	DCDA
RPPA	RPPA	RPPA
FMCT	FMCT	FMCT
		FIRE HYDRANT
		WATER VALVE
		WATER METER
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
		FIRE DEPT. CONNECTION (BY OTHERS)

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

VICINITY MAP

BONANZA RD
LAMB BLVD
STEWART AVE
NELLIS BLVD
SITE

REDUCED PRESSURE PRINCIPAL ASSEMBLY (1) 2"

APPROVED REDUCED PRESSURE PRINCIPAL ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPAL 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 THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ESN.026

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1) 8"

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 11C.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE 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 START OF CONSTRUCTION

ESN.006

SEWER CONTRIBUTION

- AVG. DAILY = 0.585 GPM
- PEAK DAILY = 1.93 GPM
- AVG. DAILY = 0.10 GALLONS PER SQ. FT. PER DAY
- AVG. DAILY = 84,239 SQ. FT. (0.10 GAL/SQ.FT./PER DAY) = 842.39 GPD = 0.585 GPM
- PEAK FACTOR = 3.3 (AVG.)
- PEAK DAILY = 3.3 X 0.585 GPM = 1.93 GPM

CONSTRUCTION NOTES - WATER QUANTITY

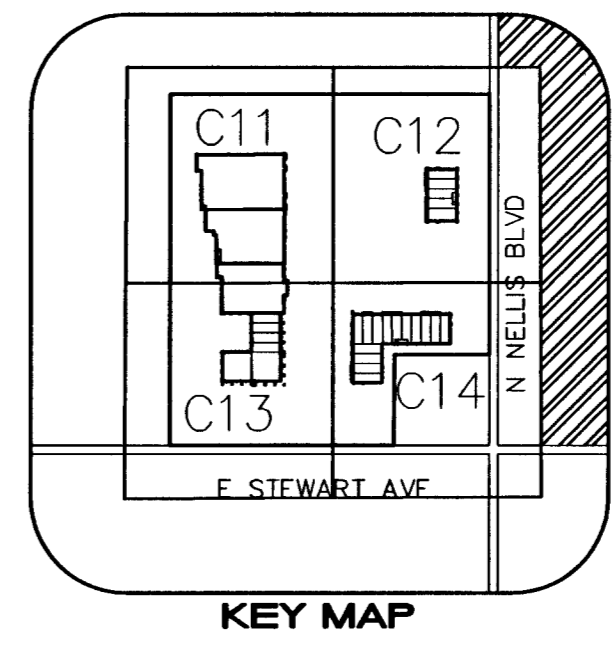
ITEM	PUBLIC	PRIVATE
1 INSTALL 2" PVC WATER	N/A	1542 L.F.
2 INSTALL 6" PVC WATER	N/A	2437 L.F.
3 INSTALL 8" PVC WATER	N/A	433 L.F.
4 INSTALL 6" GATE VALVE PER UDACS PLATE #S 3 & 8	N/A	11 EA.
5 INSTALL 8" DCDA PER UDACS PLATE # 11C	1 EA.	N/A
6 INSTALL 2" RPPA PER UDACS PLATE # 11A	1 EA.	N/A
7 INSTALL 2" DOMESTIC METER PER UDACS PLATE # 1D	1 EA.	N/A
8 INSTALL 8" X 90' BEND PER UDACS PLATE # 5	N/A	7 EA.
9 INSTALL 8" X 45' BEND PER UDACS PLATE # 5	N/A	5 EA.
10 INSTALL 8" X 22.5' BEND PER UDACS PLATE # 5	N/A	2 EA.
11 INSTALL 8" X 8" TEE PER UDACS PLATE # 5	N/A	4 EA.
12 INSTALL 8" X 6" TEE PER UDACS PLATE # 5	N/A	11 EA.
13 INSTALL 6" X 90' BEND PER UDACS PLATE # 5	N/A	2 EA.
14 INSTALL 2" X 90' BEND PER UDACS PLATE # 5	N/A	5 EA.
15 NOT USED	N/A	N/A
16 INSTALL 2" X 2" TEE PER UDACS PLATE # 5	N/A	5 EA.
17 INSTALL FIRE HYDRANT PER UDACS PLATE # 7	N/A	11 EA.
18 12.00' X 15.00' LVVWD EASEMENT	150 S.F.	N/A
19 INSTALL 6" X 2" SERVICE SADDLE PER UDACS PLATE # 1D	1 EA.	N/A
20 INSTALL 8" X 6" REDUCER PER UDACS PLATE # 5	1 EA.	N/A
21 5' X 5' CONCRETE PAD	N/A	11 EA.
22 INSTALL VEHICULAR PROTECTION BOLLARD PER UDACS PLATE # 23	N/A	11 EA.
23 INSTALL 8" GATE VALVE PER UDACS PLATE #S 3 & 8	N/A	8 EA.
24 INSTALL 6" X 45' BEND PER UDACS PLATE # 5	N/A	1 EA.

CONSTRUCTION NOTES - SANITARY QUANTITY

ITEM	PUBLIC	PRIVATE
1 INSTALL 8" PVC SAN SEW	537 L.F.	459 L.F.
2 INSTALL 6" PVC SAN SEW	N/A	528 L.F.
3 INSTALL 48" STD. SAN. SEW. MANHOLE	3 EA.	2 EA.
4 INSTALL SAN SEW CLEANOUT	N/A	9 EA.
5 INSTALL 1500 GAL GREASE INTERCEPTOR JENSEN PRECAST MODEL #JF1500EE-G OR APPROVED EQUAL	N/A	3 EA.
6 SAWCUT, TRENCH AND BACKFILL PER C.C.S.D NO. 504	618 S.Y.	N/A

MATCHLINE SEE SHEET C12 OF 26

CITY OF LAS VEGAS FIRE DEPARTMENT
DATE: 5-12-08



PROJECT NUMBER: 114361
APPROVED FOR CONSTRUCTION
1st approval date 1-22-08
LAS VEGAS VALLEY WATER DISTRICT
DATE: 5-15-08

NOTE: ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.12.040

UTILITY 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 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.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

Call before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

Call before you dig
1-702-227-2928

Call before you dig
UnderGround
1-702-465-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-228-9811
LAS VEGAS, NV

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROBERT GELU
EXP. 6-30-09
CIVIL
No. 17741

SUMMIT ENGINEERING CORPORATION
393 PLOT ROAD, SUITE A LAS VEGAS, NV 89109
PHONE (702) 262-9238 FAX (702) 262-3347

DESIGNED BY: ACADPH
DRAWN BY: ACADPH
CHECKED BY:
DATE: COPYRIGHT SUMMIT ENG 2008

NEVADA
CLARK COUNTY
CIVIL IMPROVEMENT PLANS FOR STEWART AND NELLIS UTILITY PLAN

REV.	DATE	DESCRIPTION	BY	APPD
1	2/21/08	MOVE RISER ROOM LOCATION	RG	4/1/08
2	5/09/08	ADD TRASH BIN, REUSE TRUCK DOCK, MOVE NORTH NELLIS DRY NORTH	RG	5/14/08

SCALE: HORIZ: 1"=20' VERT: N/A

JOB NO: U730983
DATE: 5-12-08
SHEET: C11 OF 26
REPLLOT: CLV DWG NO. 10714980