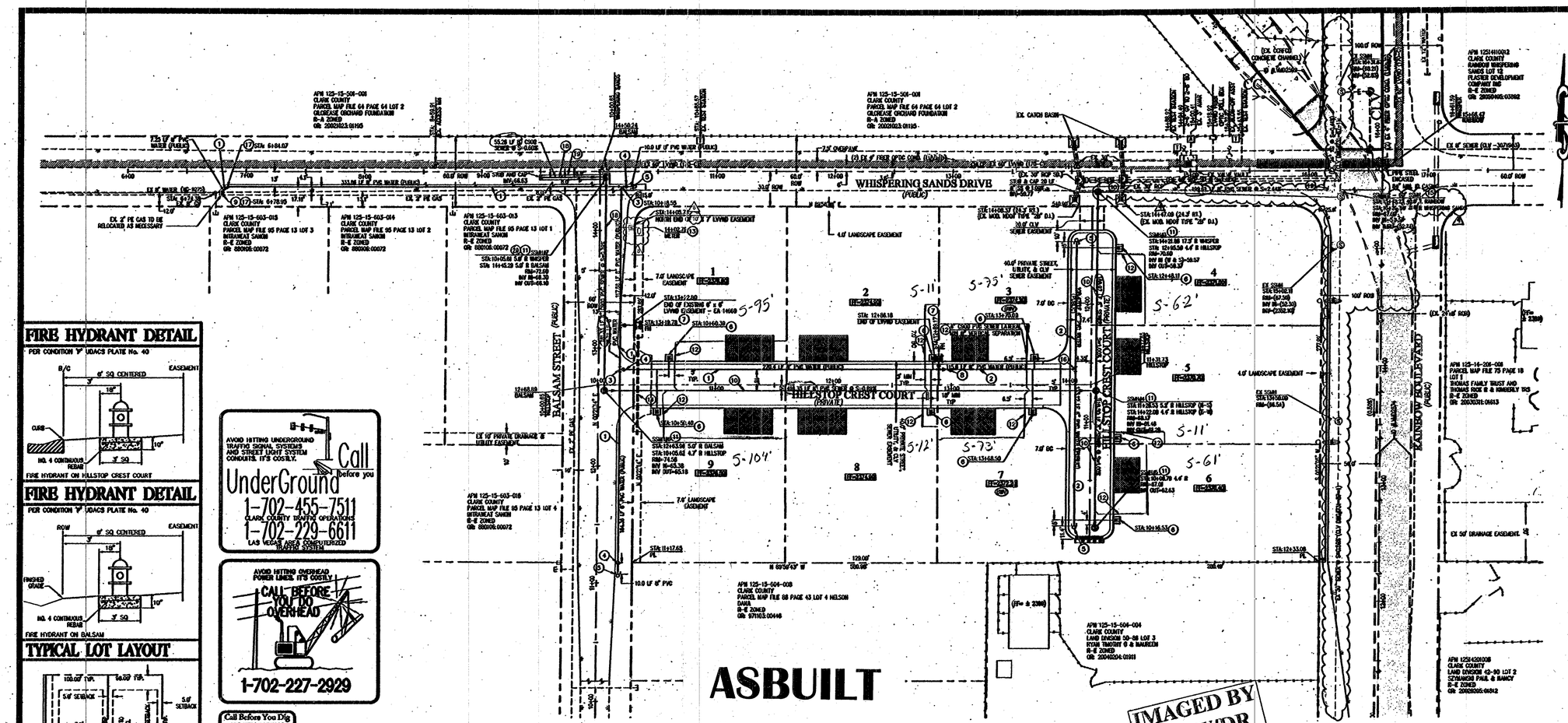


FIRE HYDRANT DETAIL

PER CONDITION 'F' UDACS PLATE No. 40

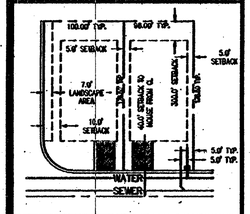
FIRE HYDRANT ON HILLSTOP CREST COURT

FIRE HYDRANT DETAIL

PER CONDITION 'F' UDACS PLATE No. 40

FIRE HYDRANT ON BALSAM

TYPICAL LOT LAYOUT



AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.

Call before you UnderGround

1-702-455-7511

CLARK COUNTY TRAFFIC OPERATIONS

1-702-229-6611

LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

Call Before You Dig

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

CALL 811

OR

1-800-227-2600

AND

CLARK COUNTY TRAFFIC OPERATIONS

1-800-455-7511

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1" RPPA

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 5. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWWD. 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.

TRAFFIC NOTES

-IN THE EVENT THAT THE TRAFFIC SIGNAL CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY CONTRACTOR, THE CONTRACTOR WILL HIRE AN NASA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATION NO. 023.0.01.02

-REPLACE ALL TRAFFIC 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.

BENCHMARK

(BLV901494 – CLV RIVET AND ROUND ALUMINUM PLATE IN TOP OF CONCRETE MAILBOX PAD, NE CORNER OF RAINBOW BLVD AND FARM ROAD NEAR 6770 RAINBOW BLVD – 719.750m/2361.496ft(NAVD88 DATUM)

FILE NAME: WLL05040.DWG

LEGEND

CAP AND 2" BLOW OFF VALVE	
WATER LATERAL AND WATER METER	
WATERLINE TEE	
GATE VALVE	
EXISTING FIRE HYDRANT	
PROPOSED FIRE HYDRANT	
SEWER LATERAL	
PROPOSED WATER LINE	
EXISTING WATER LINE	
PROPOSED SEWER LINE W/ MANHOLE	
EXISTING SEWER LINE W/ MANHOLE	
BACK WATER VALVE	BWV
EXISTING LVVWD 60" LINE AND (2) 4" FIBER OPTIC	PIPE LINE ENCASED

SEWER CONTRIBUTION

9 LOTS x 250 GPD/LOT = 2,250 GPD (AVERAGE)
9 LOTS x 250 GPD/LOT X 3.5 PEAK FACTOR = 7,875 GPD (PEAK)

LEGAL DESCRIPTION

A PORTION OF THE NORTH HALF (N 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 15, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA

MANHOLE SCHEDULE

SEE SHEET C2 – NOTES AND QUANTITIES

SCALE

GRAPHIC SCALE

0 10 20 40 60 80 100

(IN FEET)
1 inch = 40 ft.

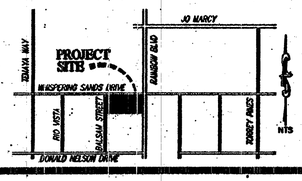
FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,000 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE: 4,999 MAX
LARGEST AREA BETWEEN SEPARATE WALLS: N/A
HEIGHT: 2-STORIES UP TO 35 FEET
TYPE OF CONSTRUCTION: TYPE IIIB-V-B
SPRINKLER SYSTEM: NO
OCCUPANCY: RESIDENTIAL
ROOF CONSTRUCTION: TILE

VICINITY MAP



CONSTRUCTION NOTES

1. 8" PVC WATER LINE – PUBLIC
2. 6" PVC WATER LINE – PUBLIC
3. 8" WATER LINE TEE (UDACS PLT. 31) – PUBLIC
4. 8" GATE VALVE (UDACS PLT. 30 & 39) – PUBLIC
5. 2" BLOW OFF VALVE (UDACS PLT. NO. 36) – PUBLIC
6. 3/4" DOMESTIC SERVICE METER (UDACS PLT. 4)
7. FIRE HYDRANT W/ 6" GATE VALVE (UDACS PLT. 40)
8. 8" X 6" WATER REDUCER – PUBLIC
9. REMOVE CAP & BLOW OFF VALVE PER UDACS PLATE NO. 36 TO CONNECT TO EX. WATER
10. 8" PVC SEWER MAIN – PUBLIC
11. 48" SEWER MANHOLE (DCSWCS SD-1) – PUBLIC
12. 4" PVC SEWER LATERALS (PRIVATE)
13. 3/4" IRRIGATION METER W/ 1" RPPA (UDACS 4 & 8)
14. (2) 4" IRRIGATION SLEEVES
15. 60" SEWER MANHOLE (DCSWCS SD-1) – PUBLIC
16. 6" WATER LINE TEE (UDACS PLT. 31) – PUBLIC
17. INSTALL 8" 45° HORIZONTAL BEND PER UDACS PLATE NO. 31
18. 8" C900 PVC SEWER MAIN – PUBLIC
19. SAWCUT, REMOVE & REPLACE EXISTING AC PAVEMENT. BACKFILL TRENCH PER USD #503.2 & #505 (WHERE APPLICABLE)
20. 48" WATER QUALITY SEWER MANHOLE (MAC #45A) – PUBLIC WITH WATER TIGHT COVERS

LVVWD NOTES

-INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.

-ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.

PRIVATE STREET EASEMENTS

ALL PRIVATE STREETS ARE P.U.E.'S, CITY OF LAS VEGAS PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

SNWA NOTE

NOT USED

UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL 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 LOCATIONS. CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929
ALL PRIVATE STREETS ARE CITY OF LAS VEGAS PUBLIC SEWER EASEMENT.

APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

PROJECT #122131 AGR #114701
QS 125-15 NE XC 10734
2010 UDACS

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 12/23/13 PROJECT NO. 122131
LVWD APPROVED FIRE FLOW 2000 GPM AT 20 PSI RESIDUAL

CLARK COUNTY FIRE DEPARTMENT 12-51699 JPH 31Dec13
PROJECT # DATE
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW – 2,000 G.P.M. AT 20 PSI RESIDUAL.

HB 12691

BASIS OF BEARINGS

SOUTH 00°23'14" WEST, BEING THE WEST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 15, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN FILE 134, PAGE 18 OF SURVEYS IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	MH	MANHOLE
BC	BACK OF CURB	MB	MAILBOX
BCR	BACK OF CURB RADIUS	NTS	NOT TO SCALE
BM	BENCHMARK	OC	ON CENTER
BVC	BEGIN VERTICAL CURVE	PB	PULL BOX
BW	BOTTOM OF WALL	PC	POINT OF CURVE
CATV	CABLE TELEVISION	PCC	POINT OF COMPOUND CURVE
CC	CLARK COUNTY	PI	POINT OF INTERSECTION
CL	CENTERLINE	PL	PROPERTY LINE
CLV	CITY OF LAS VEGAS	PP	POWER POLE
CNLV	CITY OF NORTH LAS VEGAS	PRC	POINT OF REVERSE CURVE
CO	CLEAN OUT	PT	POINT OF TANGENCY
CY	CUBIC YARD	R	RADIUS
DG	DESIGN GRADE	RCP	REINFORCED CONCRETE PIPE
DI	DROP INLET	ROW	RIGHT-OF-WAY
EC	END OF CURVE	RT	RIGHT
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EVC	END VERTICAL CURVE	SL	STREETLIGHT
EX	EXISTING	SNWA	SOUTHERN NEVADA WATER AUTHORITY
FF	FINISH FLOOR ELEVATION	SS	SANITARY SEWER
FG	FINISH GRADE	STA	STATION
FH	FIRE HYDRANT	SW	SIDEWALK
FL	FLOW LINE	SVZ	SIGHT VISIBILITY ZONE
FT	FEET	TB	TEE BOX
GB	GRADE BREAK	TC	TOP OF CURB
GP	GRAD POINT	TG	TOP OF GRATE
INV	INVERT	TW	TOP OF WALL
LF	LINEAR FEET	VCP	VITRIFIED CLAY PIPE
LP	LOWER FINISH FLOOR ELEVATION	VC	VERTICAL CURVE
MAX	MAXIMUM	VG	VALLEY GUTTER
		W	WATER

JURISDICTION

CLARK COUNTY (CITY OF LAS VEGAS SEWER)

CLV # 307V1012
HTE # 06-14746

WILLIAM LYON HOMES, INC
500 PILOT ROAD, SUITE G
LAS VEGAS, NV 89119
(702) 263-5220 FAX: (702) 263-5220

LANDEY ENGINEERING
6030 S. JONES BLVD. SUITE #100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8333

NO.	REVISION	DESCRIPTION	BY	DATE	APPR.
1	REVISED TITLE BLOCK		GT	7/31/14	
2	REVISED TO MEET CCPW/DR COMMENTS		GT	8/4/14	

REVISIONS

WHISPERING SANDS & RAINBOW
A RESIDENTIAL SUBDIVISION
UTILITY PLAN

ROBERT D. CUNNINGHAM JR. No. 15738 CIVIL NEVADA

ENGINEER'S SEAL 12/27/13

DATE: 11.04.13
SCALE: 1"=40'
JOB NO: WLL-05-040
DESIGNED BY: RLL
DRAWN BY: RLL
SHEET NAME: UT1
SHEET: 5 OF 10