

JUDD, MARY DARLENE LIVING TRUST
APN# 138-04-603-012

GRANT, GERALD R. & MARY DARLENE
APN# 138-04-603-010

BURRUS, WILLIAM H. & BARLOW, CAROL
APN# 138-04-603-008

WHYLOCK CHRIS & KATHRYN
APN# 138-04-602-012

SMITH, PAUL LINN DEARMOND, LEE
APN# 138-04-602-010

DEARMOND, LEE
APN# 138-04-602-010

WEST CRAIG ROAD BAPTIST CHURCH
APN# 138-04-602-013

UTILITY NOTE
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS PER WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

ENGINEER 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 AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES 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.

ALL NEW WATER MAIN TO HAVE MINIMUM 42" DEPTH OF COVER PER UDACS SECTION 2.07

ESTIMATE OF QUANTITIES/LEGEND

WATER	PRIVATE	PUBLIC
1 FIRE HYDRANT ASSEMBLY (8"x6" TEE & 8"GV) (udacs plate 7)	3 EA.	0 EA.
2 8" GATE VALVE	3 EA.	0 EA.
3 8" TEE W/THRUST BLOCK (udacs plate 5)	2 EA.	0 EA.
4 8" 11.25" BEND	3 EA.	0 EA.
5 8" X 8" REDUCER	2 EA.	0 EA.
6 8" 11.25" BEND	1 EA.	0 EA.
7 8" CAP W/ 2" B.O. (udacs plate 4A)	2 EA.	0 EA.
8 3/4" IRRIGATION METER PER UDACS PLATE 11-3 W/ 1" RPPA PER UDACS PLATE 11-4 & 1" SERVICE SADDLE	1 EA.	0 EA.
9 8" W/ MECHANICAL JOINT TAPPING TEE W/ 8" TAPPING VALVE PER UNIFORM DESIGN STANDARDS 2.21	0 EA.	1 EA.
10 MAIL BOX	2 EA.	0 EA.
11 1" SERVICE W/ 3/4" METER (udacs plate 1D)	21 EA.	0 EA.
12 PRESSURE REDUCING VALVE	0 EA.	0 EA.
13 3" PVC IRRIGATION SLEEVE	116 LF.	0 LF.
14 6" WATER FIRE LINE (PRIVATE)	36 LF.	0 LF.
15 6" WATER MAIN (PRIVATE)	281 LF.	0 LF.
16 8" WATER MAIN (PRIVATE)	639 LF.	0 LF.
SEWER		
1 STANDARD MANHOLE (PUBLIC)	0 EA.	6 EA.
2 8" SEWER MAIN (PUBLIC)	0 LF.	1,229 LF.
3 6" SEWER LINE (PUBLIC)	0 LF.	0 LF.
4 SEWER LATERAL (PRIVATE)	544 LF.	0 LF.
5 SEWER WYES (PUBLIC)	0 EA.	21 EA.
6 BACKWATER VALVES (PRIVATE)	0 EA.	0 EA.
SEWER CONTRIBUTION (BASED ON 20 LOTS)		
AVERAGE DAILY FLOW =	0.005 MGD.	
PEAK FLOW (PF=3.5)=	0.018 MGD.	
DRIVEWAY LOCATION (SCHEMATIC ONLY)		
POINT OF CONNECTION (UTILITIES)		
SIGHT VISIBILITY EASEMENT		

BENCHMARK
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD88)
CITY OF LAS VEGAS BENCHMARK #BLVD00-4E6
NAVD88 ELEVATION: 718.0830 METERS (2355.91 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER AT SOUTHEAST CORNER OF CRAIG AND CONOUGH

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°19'04" EAST BEING EAST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 4, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A FINAL MAP ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 9 AT PAGE 40.

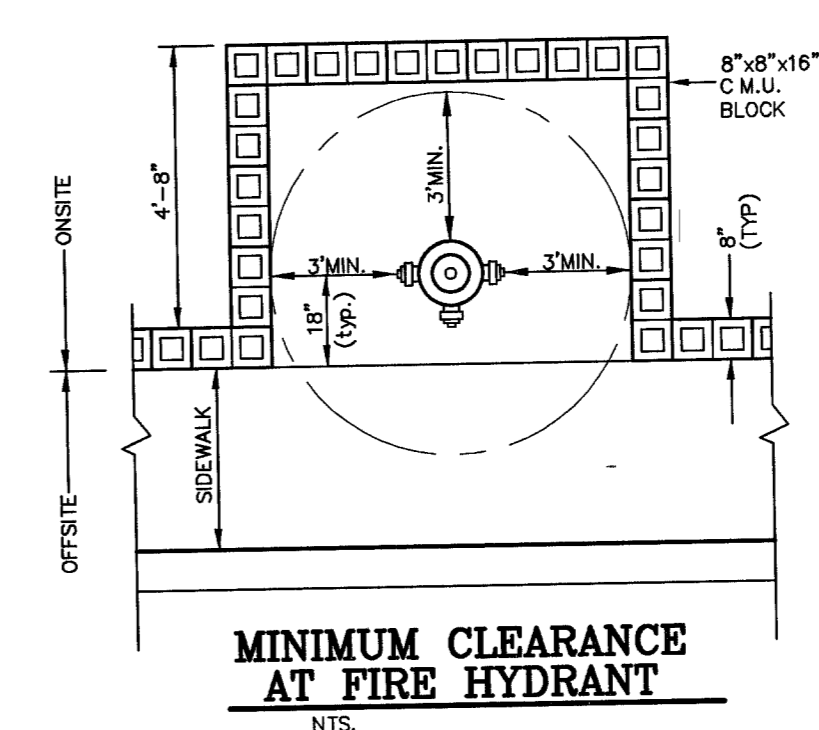
GRAPHIC SCALE
1" = 40'

FOR ALL ADDITIONAL NOTES AND LEGEND / QUANTITIES SEE SHEET NO. UT1 OR UT2

SANITATION SEWER NOTE
ALL SEWER STATIONING IS BASED ON CENTER OF PIPE LENGTHS FROM MANHOLE TO MANHOLE AND IS NOT RELATIVE IN ANY WAY TO STREET CENTERLINE STATIONING. STREET CENTERLINE STATIONING IS SHOWN ON PLAN FOR ROAD REFERENCE ONLY.
2. ALL MANHOLES ARE 48" SIZED MANHOLES PER STD.DWG# SD-1, UNLESS OTHERWISE NOTED ON PLAN.

STREET NOTE
NOTE: ALL ONSITE DRIVES ARE COMMON LOTS, PUBLIC SEWER EASEMENTS & P.U.E. TO BE PRIVATELY OWNED & MAINTAINED.

PIPE TYPE SDR 35
SDR 35 8" MAIN 4" LAT.



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1,750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE:	3,990 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	3,990 SQ. FT.
BUILDING HEIGHT:	30 FEET
NUMBER OF STORIES:	2
TYPE OF CONSTRUCTION:	V-N
OCCUPANCY:	SFR
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	N/A

REVIEWED BY: _____
DATE: _____

FIRE DEPARTMENT APPROVAL

APPROVED BY: _____
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 1,750 GPM AT 20 P.S.I. RESIDUAL.

LAS VEGAS VALLEY WATER DISTRICT APPROVAL

APPROVED BY: _____
DATE: _____
LAS VEGAS VALLEY WATER DISTRICT PROJECT #28021

D & S DEVELOPMENT LLC
CLARK COUNTY, NEVADA
3535 N. RANCHO DR. LAS VEGAS, NEVADA 89130-3168
(702) 382-0566

SEWER AS-BUILT
CONOUGH / CRAIG

DRAWN BY: RWP 3/29/2007
DESIGNED BY: _____
CHECKED BY: _____
PROJECT NO: 9202
SCALE: 1"=40' HORIZ. N/A VERT.

SHEET **SAB - 1**
1 OF 2 SHEETS
DRAWING NO. 307V874