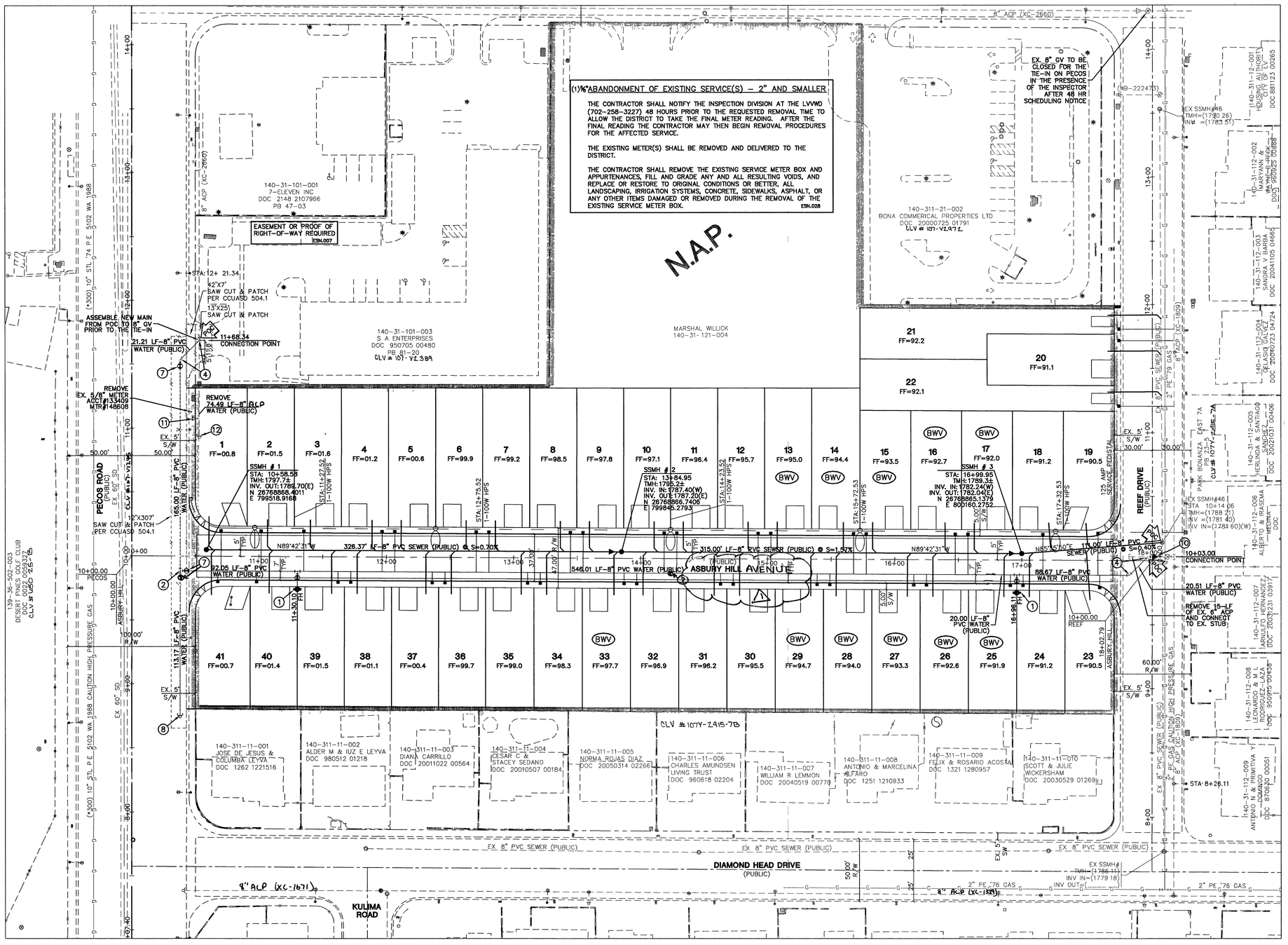
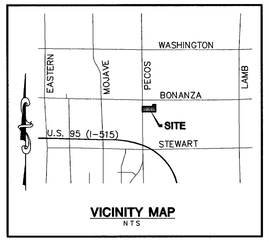
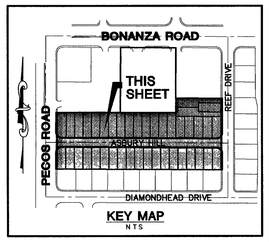




VICINITY MAP
NTS



KEY MAP
NTS

NOTE:
ADJUST WATER VALVE BOXES TO FINISHED GRADE PER UDACS PLATE NO. 8. VALVES SHALL BE ACCESSIBLE AT ALL TIMES. ESN.035

GRAPHIC SCALE
40 0 20 40 80
1" = 40'

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 psi RESIDUAL PRESSURE

SQUARE FOOTAGE: <2,476 SQ FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A SQ FT
BUILDING HEIGHT: 20 FEET
NUMBER OF STORIES: 2 FLOOR
TYPE OF CONSTRUCTION: V-N
OCCUPANCY: PD
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD. ESN-012

APPROVAL:

CITY OF LAS VEGAS FIRE MARSHAL — DATE 3.31.06

LAS VEGAS VALLEY WATER DISTRICT (SHEET C2, AND UT1) PROJECT #112389 — DATE 4-14-06

ESTIMATE OF QUANTITIES/LEGEND

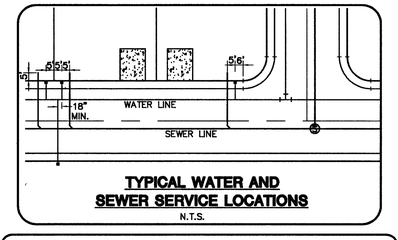
WATER	PUBLIC
(1) FIRE HYDRANT ASSEMBLY. (8"x6" TEE & 6"GV)(udacs plate 7)	2 EA.
(2) 8" x 8" TEE.	1 EA.
(3) 8" 22.5° BEND.	0 EA.
(4) 8" 45° BEND.	4 EA.
(5) 8" 90° BEND.	0 EA.
(6) 6" GATE VALVE.	0 EA.
(7) 8" GATE VALVE.	4 EA.
(8) CAP W/2" B.O. (udacs plate 4A).	1 EA.
(9) 8" x 6" TAPPING SLEEVE W/ 8" TAPPING VALVE(udacs plate 22).	0 EA.
(10) 8"x6" REDUCER.	1 EA.
6" PVC WATER MAIN (PUBLIC).	0 LF
8" PVC WATER MAIN (PUBLIC).	954 LF
1" SERVICE W/ 3/4" METER. (udacs plate 1d)	41 EA.

SEWER	PUBLIC
STANDARD MANHOLE (PUBLIC)	3 EA.
8" SEWER MAIN (PUBLIC).	1,379 LF.
4" SEWER LATERALS (PRIVATE).	0,000 LF.
4" SEWER WYES (PRIVATE).	00 EA.
(BWV) BACKWATER VALVES (PRIVATE)	11 EA.

SEWER CONTRIBUTION (BASED ON 41 LOTS)
AVERAGE DAILY FLOW = 0.0103 MGD.
PEAK FLOW (PF=3.5)= 0.0359 MGD.
DRIVEWAY LOCATION (SCHEMATIC) 41 EA.

ESTIMATE OF QUANTITIES/LEGEND FOR REMOVAL

WATER	PUBLIC
(11) FIRE HYDRANT ASSEMBLY. (8"x6" TEE & 6"GV)(udacs plate 7)	1 EA.
(12) CAP W/2" B.O. (udacs plate 4A).	1 EA.
8" ACP WATER MAIN (PUBLIC).	75 LF
6" ACP WATER MAIN (PUBLIC).	15 LF



TYPICAL WATER AND SEWER SERVICE LOCATIONS
N.T.S.

Avoid cutting underground utility lines it's costly. Call before you Dig 1-800-227-2600

Avoid overhead power line contact it's costly. Call before you Overhead 1-702-227-2929

Call before you UnderGround
1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS AND 1-702-229-6611 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS SOUTH 89°42'31" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON A FINAL MAP, ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN BOOK 88 AT PAGE 26. 92197

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: 2LV02:31W4
NAVD88 ELEVATION: 546.277 METERS (1792.24 FEET)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF STEWART AND PECOS.

CONTRACTOR NOTE:

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

Service laterals for lots: 20, 21, 22 will be tapped on existing main by Owner's contractor under direction of the LVVWD.

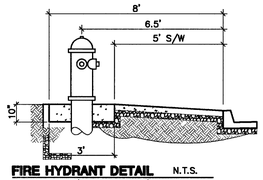
DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH AWWA, LOCAL, STATE, AND FEDERAL REGULATIONS. ESN.053

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN-041

NOTE
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27. ESN.062

SANITARY SEWER MANHOLE SCHEDULE (3 MANHOLES)

M.H.	C/L PIPE STA.	STREET	TMH.	INV. IN	INV. OUT	NORTH	EAST
SSMH#1	STA: 10+58.58	ASBURY HILL	1797.7±		1789.70 E	N=26768868.4011	E=799518.9168
SSMH#2	STA: 13+84.95	ASBURY HILL	17.95.2±	1787.40 W	1787 20 E	N=26768866.7406	E=799845.2793
SSMH#3	STA: 16+99.95	ASBURY HILL	1789.3±	1782.24 W	1782.04 E	N=26768865.1379	E=800160.2752



FIRE HYDRANT DETAIL N.T.S.
(PUBLIC STREET)
PER UDACS PLATE NO. 7 (CONDITION C) 5' SIDEWALK

THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.

CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE. ESN.048

WATER MAIN JOINT DEFLECTION (PVC, 4" – 24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.06.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAZIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED ESN.059

REV	DATE	BY	REVISION
1	6-1-06		Added fire line

PAGEANTRY COMMUNITIES
1333 N. BUFFALO DR., SUITE 220
LAS VEGAS, NEVADA 89128
(702) 365-8588

CITY OF LAS VEGAS, NEVADA

vtn nevada CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
Ph. (702) 873-7550 FAX (702) 362-2597

MASTER UTILITY PLAN

VALENCIA TERRACE

DRAWN BY: TWK	JUNE '05
DESIGNED BY: MM	JUNE '05
CHECKED BY: DKJ	JUNE '05
PROJECT NO: 5377	SCALE: 1"=40' HORIZ. N/A VERT.

PROFESSIONAL ENGINEER - STATE OF NEVADA
DEBORAH KALEIKINI-JOHNSON
CIVIL
No. 14671
EXPIRES 06-30-07

SHEET UT1
3 OF 9 SHEETS
DRAWING NO. 107Y4929

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