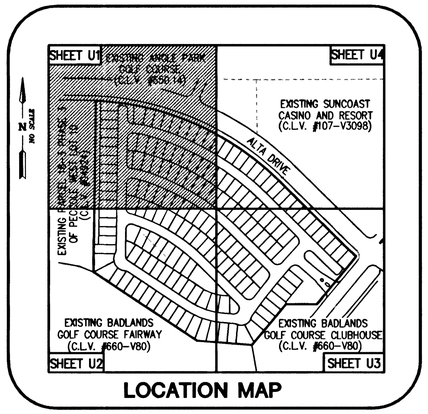


LOCATION MAP

SEWER MANHOLE CONTROL TABLE

EXISTING M.H. NUMBER		EXISTING TOP OF M.H.	EXISTING INV. (IN)	EXISTING INV.(OUT)
#1		(2754.00)	(2744.22)	(2744.02)
#2		(2754.95)	(2742.40)	(2742.20)
#3		(2755.92)	------	(2745.03)
M.H. NO.	DIA.	TOP OF M.H.	INV.(IN)	INV.(OUT)
#1	48"	2757.60	2747.80	2747.60
#2	48"	2760.42	2753.62	2753.42
#3	48"	2764.32	2757.52	2757.32
#4	48"	2768.55	2761.75	2761.55
#5	48"	2772.83	2766.03	2765.83
#6	48"	2773.54	2766.74	2766.54
#7	48"	2773.62	------	2767.30
#8	48"	2772.62	2765.61	2765.41
#9	48"	2772.43	2765.13	2764.93
#10	48"	2769.32	2762.52	2762.32
#11	48"	2766.20	2759.40	2759.20
#12	48"	2762.22	2755.42	2755.22
#13	48"	2764.18	2757.38	2757.18
#14	48"	2768.24	2761.44	2761.24
#15	48"	2771.53	2764.15	2763.95
#16	48"	2771.70	2764.49	2764.29
#17	48"	2770.68	2763.37	2763.17
#18	48"	2767.53	2760.73	2760.53
#19	48"	2766.01	2759.21	2759.01
#20	48"	2764.76	2757.96	2757.76

N — SCALE: 1"=30'

Call before you Dig. 1-702-593-6111 (Nevada Power Distribution & Safety Services Department) 1-800-227-2600 (Underground Service (USA))

LEGEND

- ----EX.2"PE----- EXIST. GAS MAIN
- -----EX.8"S----- EXIST. SEWER MAIN
- -----EX.8"W----- EXIST. WATER MAIN
- —8"S— PROP. SEWER MAIN
- —8"W— PROP. WATER MAIN
- PROP. 1" WATER SERVICE LATERAL (COPPER PIPE)
- PROP. 4" SEWER SERVICE LATERAL (PVC PIPE)
- EXIST. SEWER MANHOLE
- PROP. SEWER MANHOLE
- EXIST. FIRE HYDRANT W/ASSEMBLY
- PROP. FIRE HYDRANT W/ASSEMBLY
- BWV BACK WATER VALVE REQUIRED
- PROP. STREET LIGHT
- EXIST. STREET LIGHT

GRAPHIC SCALE: 30 0 15 30 60 120 (IN FEET) 1 inch = 30 ft.

CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT W/ASSEMBLY (PER UDS PLATE NO. 7)
2. INSTALL 8"x8" TEE W/THRUST BLOCK (PER UDS PLATE NO. 5)
3. INSTALL 8"x6" TEE W/THRUST BLOCK (PER UDS PLATE NO. 5)
4. INSTALL 11 1/4° ELBOW W/THRUST BLOCK (PER UDS PLATE NO. 5)
5. INSTALL 22 1/2° ELBOW W/THRUST BLOCK (PER UDS PLATE NO. 5)
6. INSTALL 45° ELBOW W/THRUST BLOOCK (PER UDS PLATE NO. 5)
7. INSTALL 90° ELBOW W/THRUST BLOOCK (PER UDS PLATE NO. 5)
8. INSTALL 8" GATE VALVE (PER UDS PLATE NO. 3 & 8)
9. INSTALL 5/8" METER (PER UDS PLATE NO. 1B)
10. INSTALL CAP W/2" BLOW-OFF ASSEMBLY (PER UDS PLATE NO. 4)
11. INSTALL 5/8" IRRIGATION METER W/1" RPPA (PER UDS PLATE NO. 1D & 11A)

NOTE:

FOR TYPICAL WATER AND SEWER LATERAL LOCATIONS SEE SHEET 13 OF 30

BASIS OF BEARING

THE BASIS OF BEARING FOR THIS PROJECT IS THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.M. WHICH BEARS NORTH 89°40'03" EAST AS SHOWN ON FILE 91, PAGE 27 OF PARCEL MAPS RECORDED IN THE COUNTY RECORDERS OFFICE OF CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK #00LV00 32NW#6

RIVET & PLATE IN TOP OF CURB @ NW CORNER OF ALTA & WEST EXIT TO SUNCOAST RESORT PARKING LOT.

METERS = 844.0507
U.S. SURVEY FEET = 2769.19
NAVD 88, DATUM

UTILITY INFORMATION

SEWAGE GENERATED: AVG. FLOW = 0.042 MGD
PEAK FLOW = 0.145 MGD

WATER PRESSURE ZONE: 2975 PZ

OWNER/DEVELOPER

CRESTDALE ASSOCIATES, LTD
1063 LAS PALMAS ENTRADA AVE.
HENDERSON, NEVADA 89012

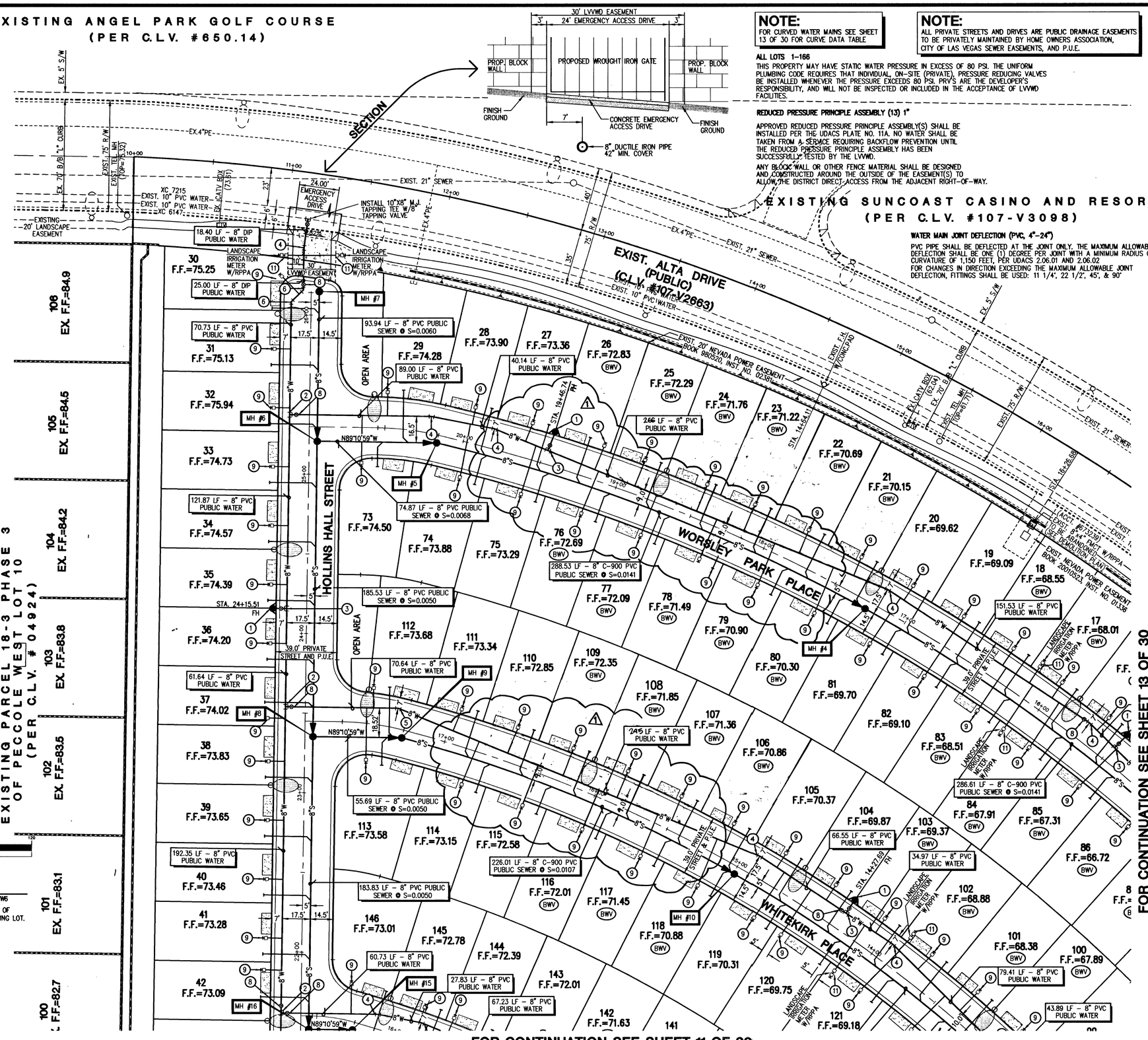
FIRE FLOW DATA

BUILDING HEIGHT (IN FEET)	28'-0"
OCCUPANCY CLASSIFICATION	GROUP R
CONSTRUCTION CLASSIFICATION	N/A
TOTAL FLOOR AREA OF ALL LEVELS	2,486 SQ.FT.
FLOOR AREA OF THREE LARGEST SUCCESSIVE FLOORS	2,486 SQ.FT.
ESTIMATED FIRE FLOW	1000

55785

NOTE:

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



NOTE:

FOR CURVED WATER MAINS SEE SHEET 13 OF 30 FOR CURVE DATA TABLE

NOTE:

ALL PRIVATE STREETS AND DRIVES ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOME OWNERS ASSOCIATION, CITY OF LAS VEGAS SEWER EASEMENTS, AND P.U.E.

ALL LOTS 1-166

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.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (13) 1"

APPROVED REDUCED PRESSURE PRINCIPLE 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 PRINCIPLE 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.

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 2.06.01 AND 2.06.02
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED: 11 1/4°, 22 1/2°, 45°, & 90°

APPROVAL
CITY FIRE MARSHAL — DATE 7/14/03

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT — DATE 7/31/03

REV	DATE	BY	REVISION
1	7-29-03	TL	REVISE WATERLINE AS REQUESTED BY LVVWD

CRESTDALE ASSOCIATES, LTD
1063 LAS PALMAS ENTRADA AVE.
HENDERSON, NEVADA 89012

VPOINT — DESIGNING FOR THE FUTURE
PLANNERS · CONSULTING ENGINEERS · SURVEYORS
1009 WHITNEY RANCH DRIVE · HENDERSON, NEVADA 89014 · (702) 248-8415

SHEET: UTILITY PLAN (1)
TITLE: WINDSOR AT QUEENSRIDGE

DRAWN BY: BLOOM 02/03
DESIGNED BY: BLOOM 02/03
CHECKED BY: TRUDI 02/03
PROJECT NO: 095-1000
SCALE: 1"=30'

REGISTERED PROFESSIONAL ENGINEER — TRUDI LINE — Exp. 12/03 — CIVIL — No. 12508 — STATE OF NEVADA — 7-14-03

SHEET U1
10 OF 30 SHEETS
DRAWING NO. 10744763

55325