

NOTES:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

Call before you UnderGround
1-702-455-7511
1-702-229-6611
LAS VEGAS VALLEY WATER DISTRICT

CALL BEFORE YOU DO OVERHEAD
1-702-227-2929
LAS VEGAS VALLEY WATER DISTRICT

UTILITY LEGEND

- EXISTING STORM DRAIN MANHOLE
- STORM DRAIN DROP INLET
- EXISTING STORM DRAIN DROP INLET
- SEWER BACK WATER VALVE
- WATER LINE
- GATE VALVE
- EXISTING GATE VALVE
- CAP W/ 2" BLOW OFF
- FIRE HYDRANT
- SEWER LATERAL
- SEWER LINE/SMH
- EXISTING SEWER MANHOLE
- CONCRETE DRIVEWAY
- ELEVATION
- EXISTING STREET LIGHT

BASIS OF BEARINGS

N 88°21'18" E BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 13, T19S, R59E, M.D.M., AS SHOWN BY RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 124 OF SURVEYS AT PAGE 94.

BENCHMARK

DESC.	NAVD 88 DATUM	NAVD 88 DATUM
BLV99 13E4 RIVET AND PLATE IN CONCRETE CYLINDER AT THE NORTHWEST CORNER OF HUALAPAI WAY AND FARM ROAD.	2860.79 (FEET)	871.971 (METERS)

FIRE FLOW CALCULATIONS

- FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 PSI.
- SQUARE FOOTAGE < 3,600 SF
- LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS N/A
- BUILDING HEIGHT 35 FEET MAX.
- NUMBER OF STORIES 2
- TYPE OF CONSTRUCTION V-NR
- OCCUPANCY 9204781 94554 SINGLE FAMILY
- FULL AUTOMATIC FIRE SPRINKLER SYSTEM NO

FOR EXISTING IMPROVEMENTS SEE NORTHERN TERRACE UNIT 1 IMPROVEMENT PLANS BY G.C. WALLACE, INC. JOB NO. 819.002X08 CLV DWG NO. 107Y-4891-1

APPROVED FOR CONSTRUCTION
CITY OF LAS VEGAS FIRE DEPARTMENT
5/18/06
DATE

NOTE ON PRIVATE STREETS

PRIVATE STREETS ARE P.U.E.'S, CLV PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.

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

SEWER AVERAGE DAILY FLOWS

86 LOTS X 250 GPD/ERU = 21,500 GPD
PEAK FLOWS = 3.4 X 21,500 = 73,100 GPD

APPROVAL: LVWD NO. 111715
LAS VEGAS VALLEY WATER DISTRICT
7/20/06
DATE

PLAN APPROVAL

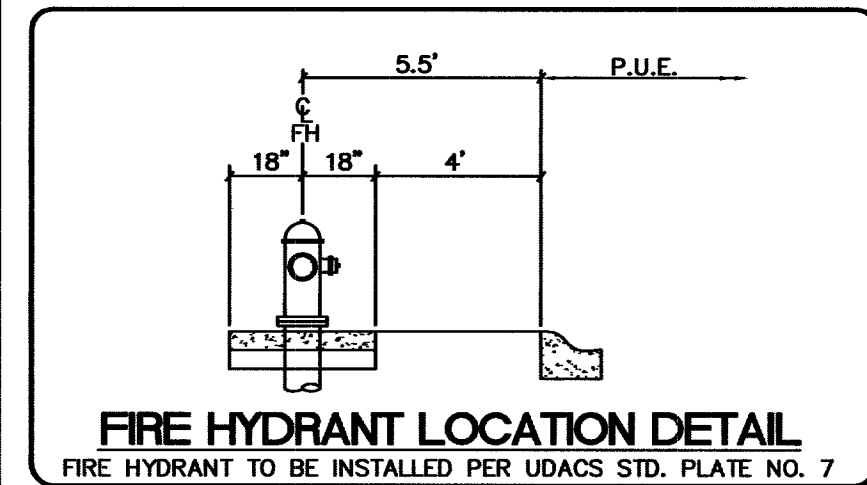
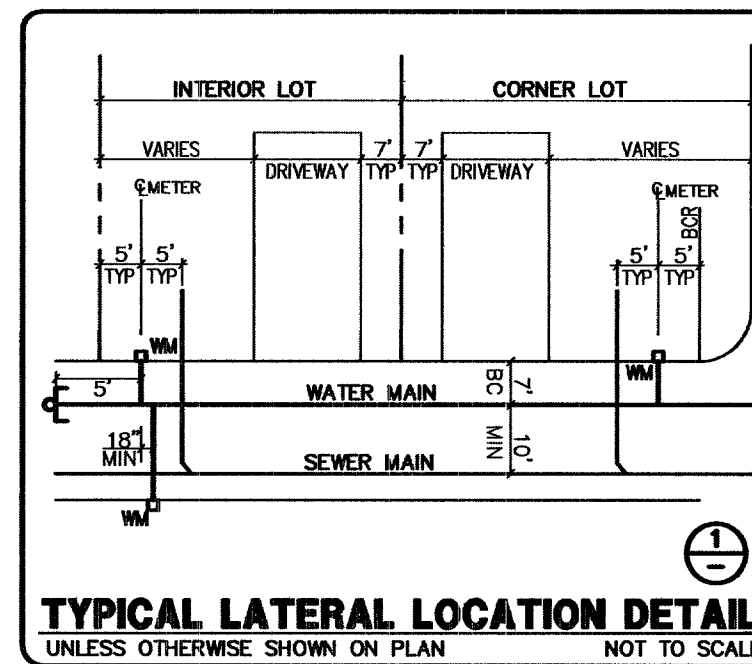
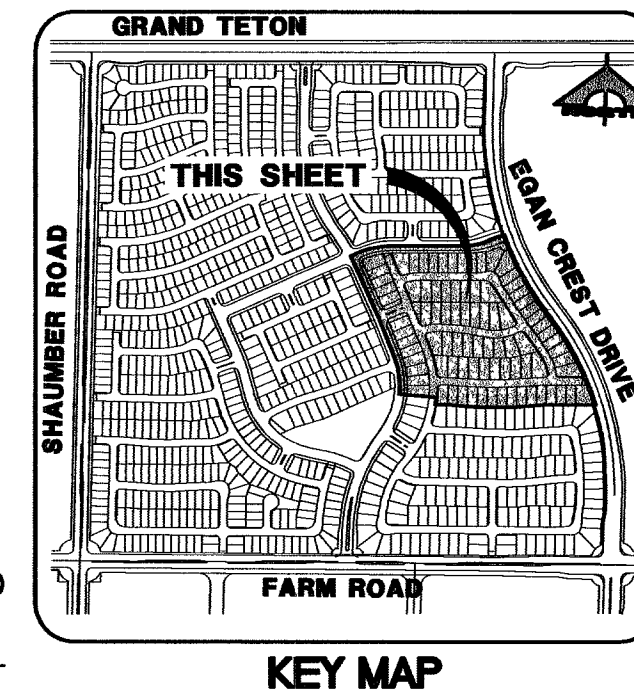
NOTE: THIS PROJECT PLAN APPROVAL IS CONTINGENT ON
- 111264 CLIFF EDGE EGAN CREST WATER (3090)
- 111501 NORTHERN TERRACE UNIT 1 PROVIDENCE
- 111602 NORTHERN TERRACE UNIT 3 PROVIDENCE

SEWER CONNECTION NOTE

ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

NORTH

SCALE 1" = 50'
50 0 50 100
FEET



SEWER MANHOLE SCHEDULE

SMH #	TYPE	STATION	OFFSET	RIM EL.	N	S	E	W	COMMENTS
1	SD-1	10+98.41	11.53' R	2947.7	---	---	39.84	---	
2	SD-1	14+91.61	03.70' R	2930.1	---	19.35	---	19.55	
3	SD-1	13+12.69	02.58' L	2932.1	14.43	14.23	---	---	
4	SD-1	10+45.65	05.36' L	2914.6	06.55	06.35	---	---	
5	SD-1	16+21.60	02.50' L	2913.5	03.95	---	---	---	
6	SD-1	13+82.63	02.97' R	2925.2	---	---	15.50	15.70	
7	SD-1	10+38.03	08.78' R	2944.0	---	---	36.00	---	
8	SD-1	19+03.90	08.99' R	2945.8	39.36	39.16	---	---	
9	SD-1	20+53.78	00.00	2947.5	40.31	40.11	---	---	
10	SD-1	24+97.28	00.00	2952.0	---	43.71	---	---	
11	SD-1	10+91.31	07.46' R	2944.7	---	---	36.73	---	
12	SD-1	12+83.33	07.06' R	2934.4	---	---	26.27	26.47	
13	SD-1	13+90.83	10.96' R	2928.4	---	---	19.02	19.22	
14	SD-1	17+62.40	00.00	2912.6	---	---	97.13	97.33	

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.

FOR EX. EGAN CREST DRIVE IMP'S, SEE CLIFFS EDGE / PROVIDENCE EGAN CREST DRIVE FARM ROAD TO GRAND TETON BY VTN, CLV # 107Y-4816-ECN 107Y-4816-05-7

FOR EXISTING IMPROVEMENTS SEE NORTHERN TERRACE UNIT 3 IMPROVEMENT PLANS BY G.C. WALLACE, INC. JOB NO. 819.002X10 CLV DWG NO. 107Y-4891-3

ALL WATER IS 3090 PRESSURE ZONE, UNLESS OTHERWISE INDICATED

CLV DRAWING NO. 107Y4891-8

DESIGN: G.C. WALLACE, INC. Engineers/Planners/Surveyors
CHECK: 1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
ISSUE DATE: TELEPHONE: (702) 864-2000 • FAX: (702) 864-2289
PLOT DATE: 05-18-06
PLOT TIME: 09:07:54
DRAWING: NORTHERN TERRACE - UNIT 8
MASTER UTILITY PLAN
C-4
4 OF 15 SHTS
JOB NO. 819.002X15
DATE: 5/18/06