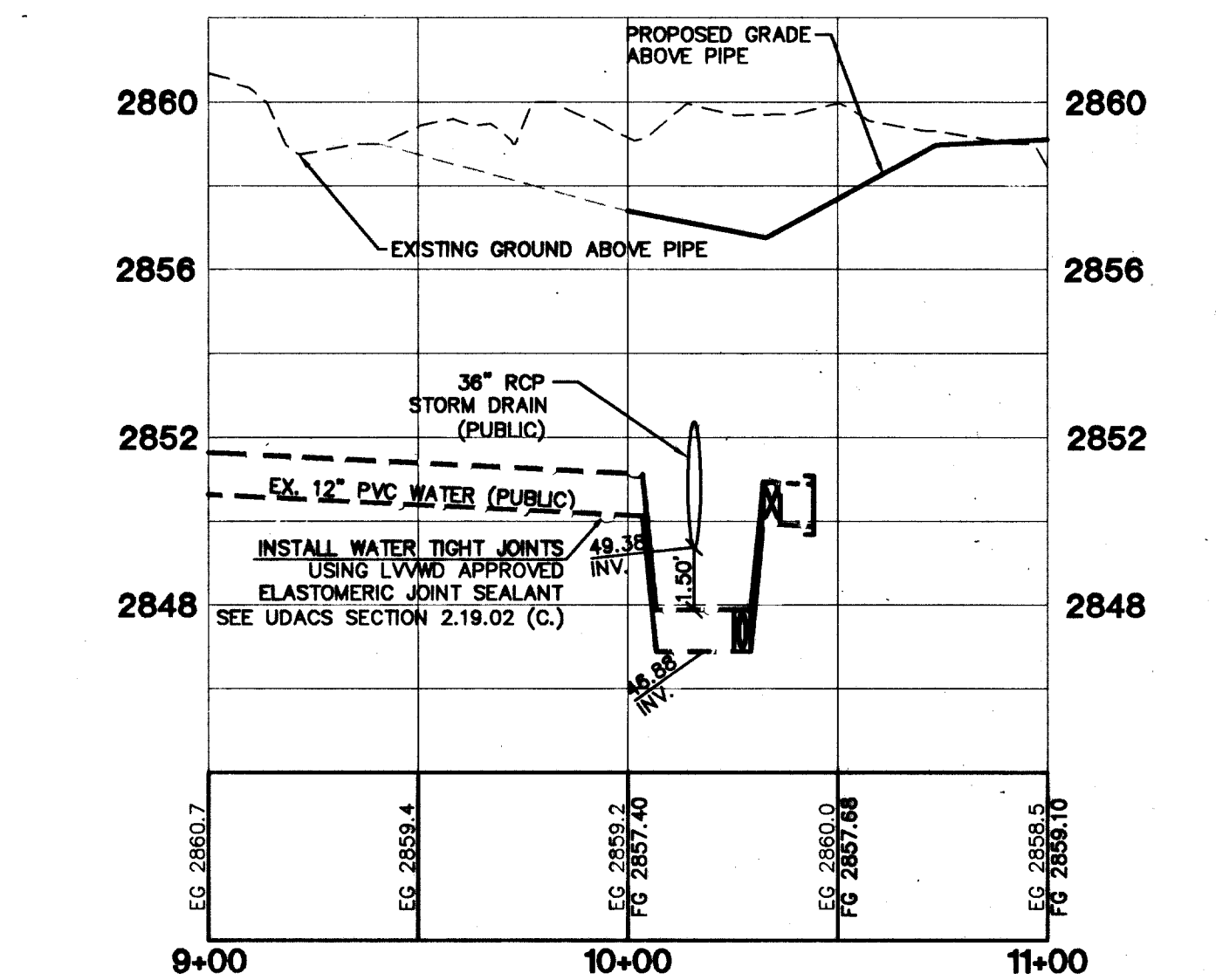
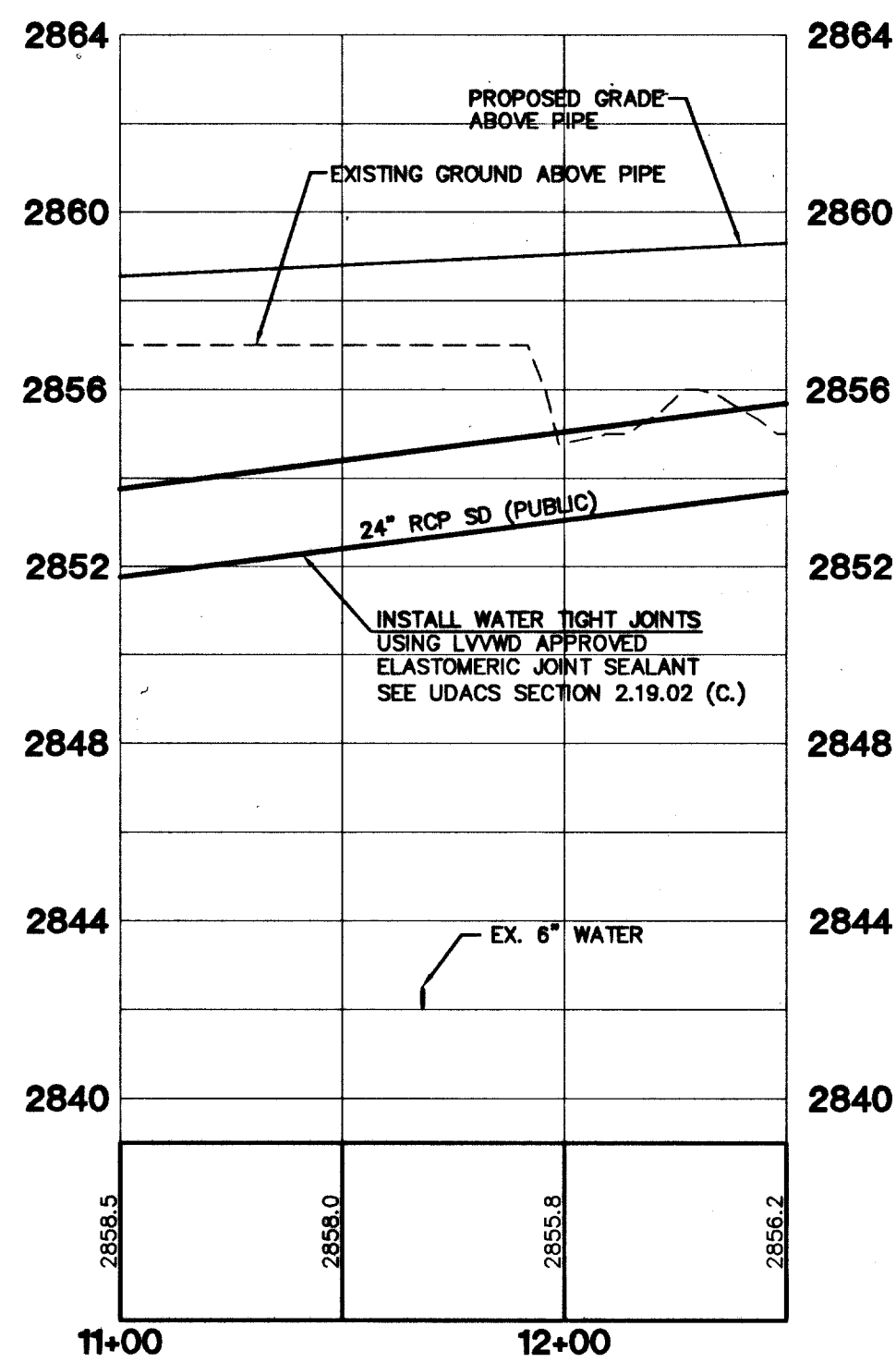
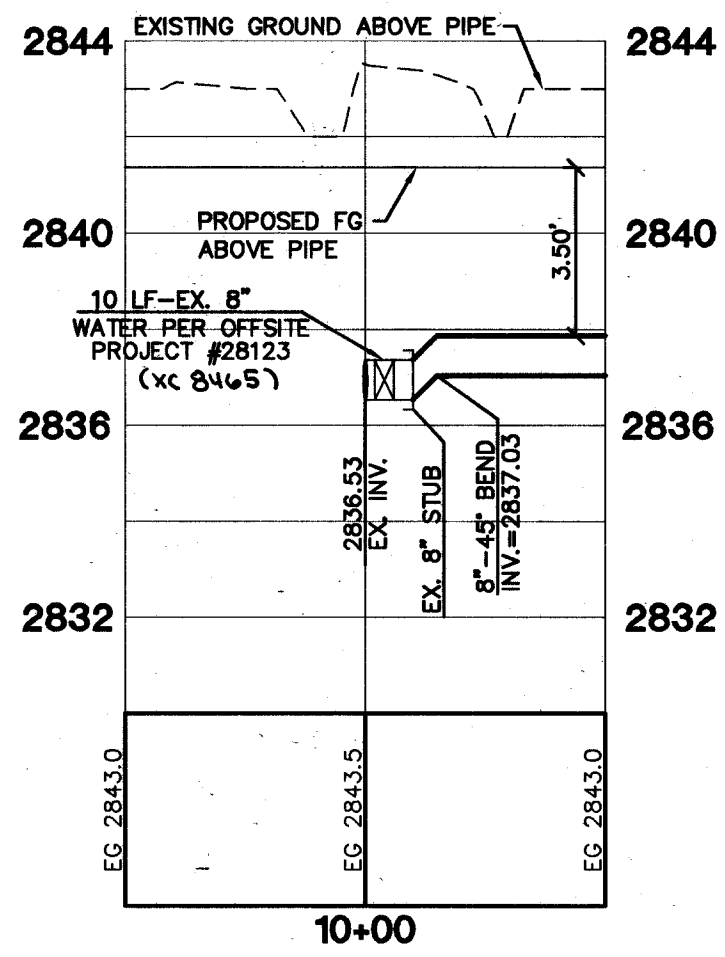




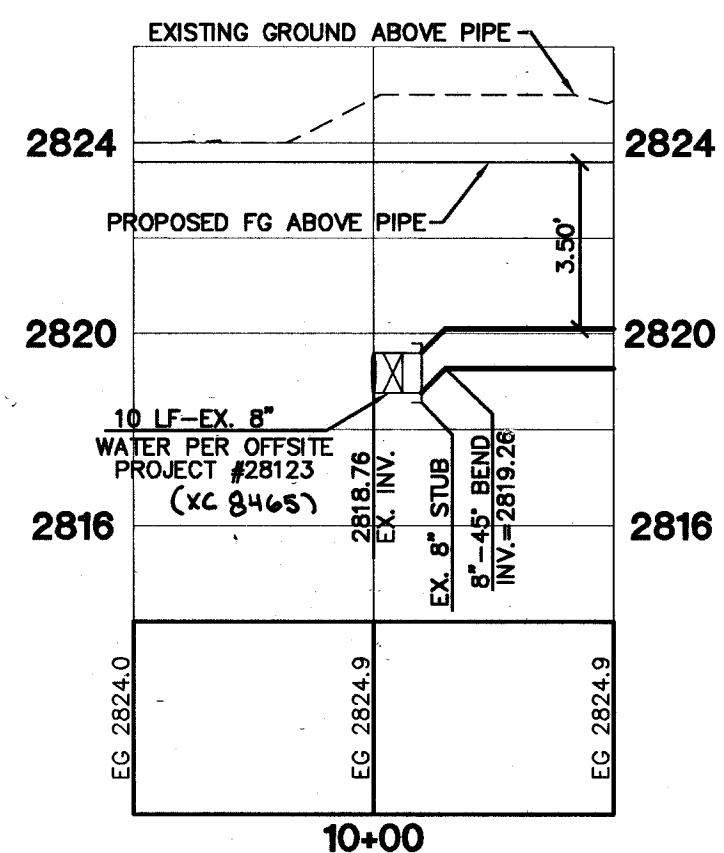
PROFILE #3
36" STORM DRAIN / 12" WATER CROSSING PROFILE (FARM ROAD)



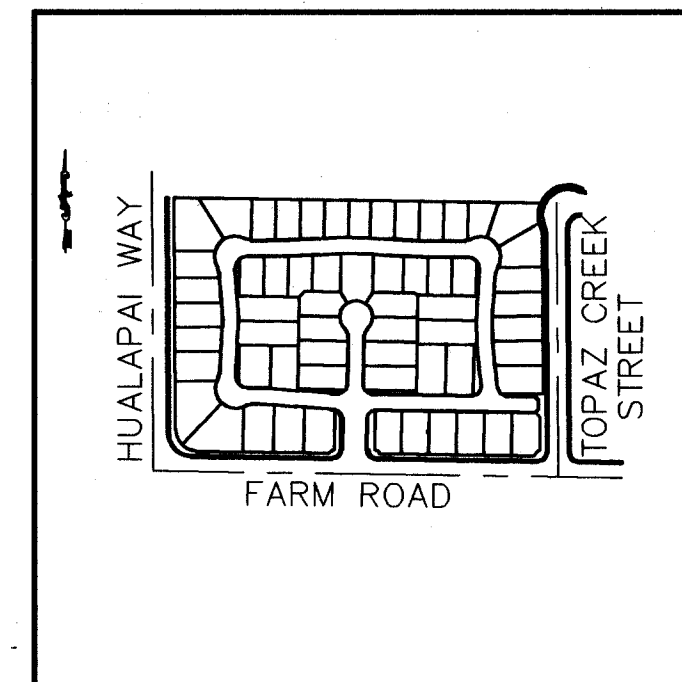
PROFILE #4
20" STORM DRAIN / 6" WATER CROSSING PROFILE (HUALAPAI WAY)



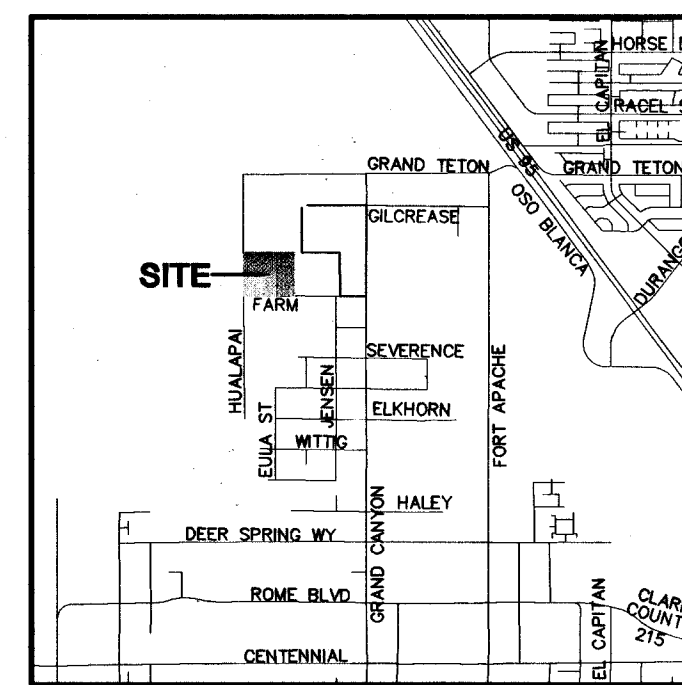
PROFILE #5



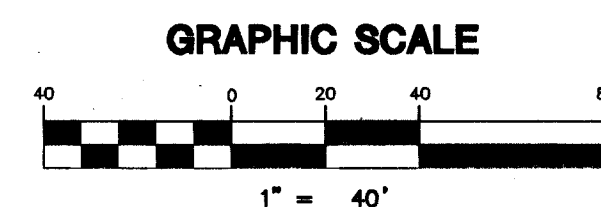
PROFILE #6



KEY MAP



VICINITY MAP



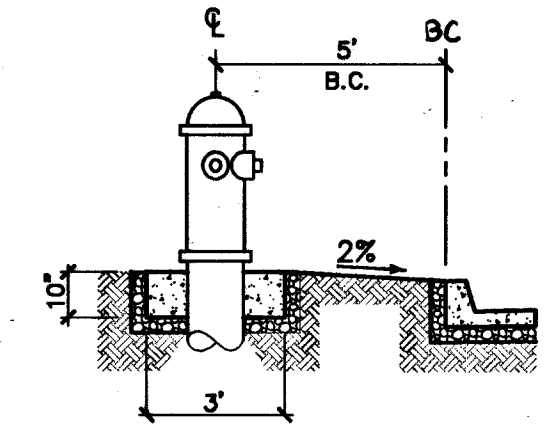
CONSTRUCTION NOTES

- ① FIRE HYDRANT ASSEMBLY (8"x6" TEE & 6"GV)(udacs plate 7)
- ② 1/2" 8" CROSS
- ③ 1/2" 8" TEE
- ④ 1/2" 8" -45° BEND
- ⑤ 1/2" 8" -11.25° BEND
- ⑥ 1/2" 8" GATE VALVE
- ⑦ 1/2" CAP W/2" B.O. (udacs plate 4)
- ⑧ 1/2" 8" -11.25° BEND
- ⑨ 1/2" 8"x8" REDUCER
- ⑩ 1/2" 5" SPECIFIED FITTING RESTRAINED ON EACH SIDE

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: 0 SQ. FT.
BUILDING HEIGHT: 20 FEET
NUMBER OF STORIES: 2 FLOOR
TYPE OF CONSTRUCTION: V N
OCCUPANCY: PD
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO



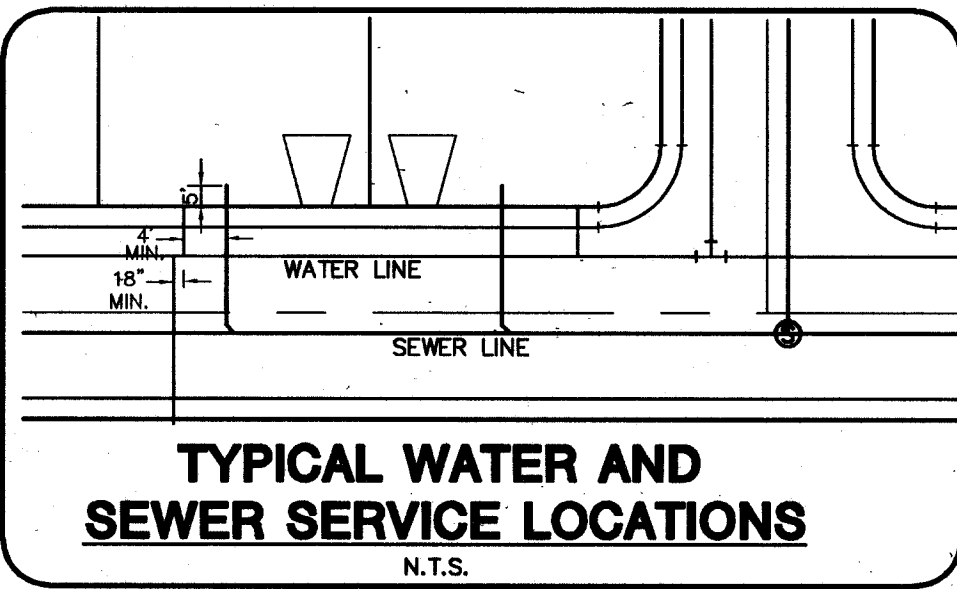
FIRE HYDRANT DETAIL
(PRIVATE STREET) N.T.S.

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7 ESN.014

NOTE: DIRECT ACCESS FROM ADJACENT RIGHT-OF-WAY IS REQUIRED. DUCTILE IRON PIPE WITH VALVE AT EACH END IS REQUIRED. ESN.055

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

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



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

PRIVATE STREET NOTE:
ALL PRIVATE STREETS ARE PUES CLV SEWER ESM'T'S. & PUBLIC DRAINAGE ESM'T'S. TO BE PRIVATELY MAINTAINED.
SEWER CONNECTION NOTE:
A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED &/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION &/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 & ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

Call before you Underground
1-800-227-2600

BENCHMARK
PROJECT DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 8 LV 99 13 N 656
NAVD88 ELEVATION: 873.8310 METERS (2868.89 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER
AT THE SOUTHWEST CORNER OF HUALAPAI AND GLOREASE
BASIS OF BEARING
THE BASIS OF BEARINGS FOR THIS PROJECT IS SOUTH 89°11'31" EAST BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

PERMA-BILT HOMES CITY OF LAS VEGAS, NEVADA 7150 POLLOCK DRIVE SUITE 104 LAS VEGAS, NEVADA 89119 (702) 896-9100 vtm nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS		MASTER UTILITY PLAN VALLEY CREST II WEST	
DRAWN BY: JR DESIGNED BY: B.F. CHECKED BY: K.C. PROJECT NO: 6157	03/24/04 DATE	SCALE: 1"=40' HORIZ. NONE VERT.	SHEET UT3 12 OF 31 SHEETS DRAWING NO. CC HTE#04-11134