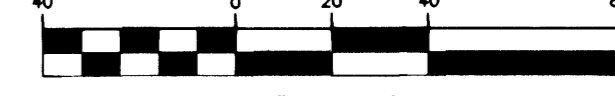


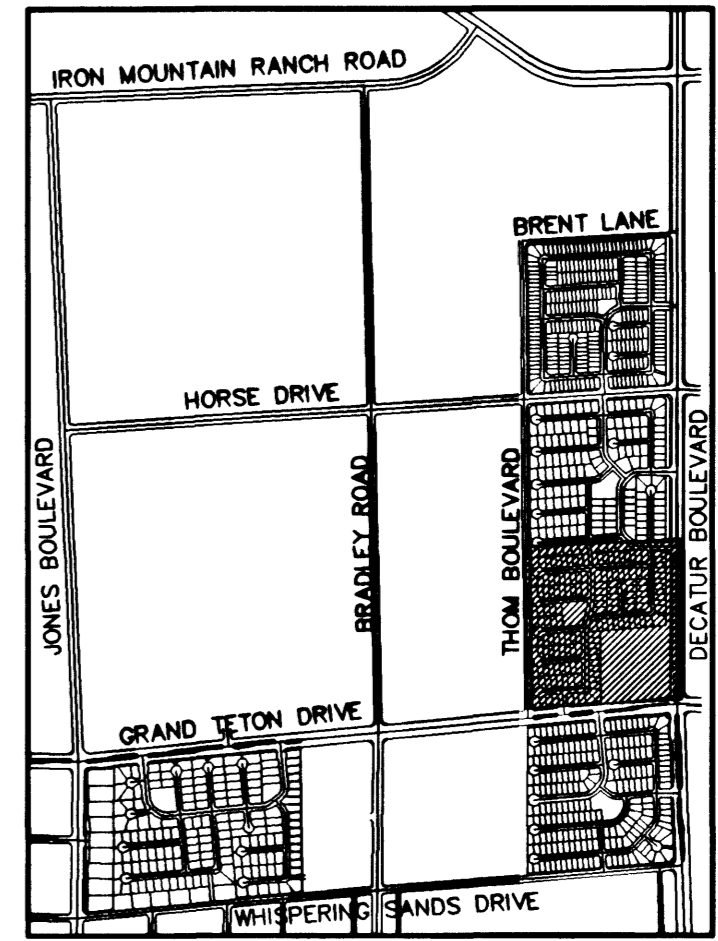
GRAPHIC SCALE



ESTIMATE OF QUANTITIES UNIT 2 / LEGEND

WATER	PUBLIC
① FIRE HYDRANT ASSEMBLY (PER UDACS PLATE No. 7)	6 EA.
② 4" 45° ELBOW	2 EA.
③ 4" 22.5° ELBOW	2 EA.
④ 4" 11.25° ELBOW	1 EA.
⑤ 8" X 8" TEE	2 EA.
⑥ CAP W/ 2" B.O. ASSEMBLY (PER UDACS PLATE No. 4)	5 EA.
⑦ CAP	0 EA.
⑧ 8" GATE VALVE	5 EA.
⑨ 8" X 8" CROSS	1 EA.
⑩ 8" X 6" REDUCER	2 EA.
W/ 5/8" METER (PER UDACS PLATE 1B)	74 EA.
1" METER W/ 1" RPPA (PER UDACS PLATE 1D & 11A)	1 EA.
6" WATER MAIN(PUBLIC)	270 LF.
8" WATER MAIN(PUBLIC)	2022 LF.
SEWER	
● STANDARD MANHOLE PUBLIC	8 EA.
4" SEWER LATERALS(PRIVATE)	2211 LF.
4" SEWER WYES (PRIVATE)	65 EA.
● BWV	7 EA.
8" SEWER MAIN(PUBLIC)	1965 LF.

SEWER CONTRIBUTION (BASED ON 74 LOTS)
 AVERAGE DAILY FLOW = 0.0185 MGD.
 PEAK FLOW (PF=3.5) = 0.06475 MGD.

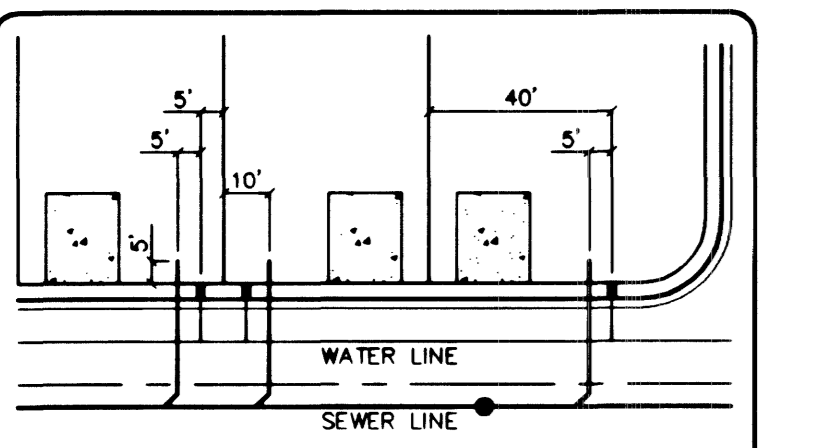


STREET LIGHT NOTE:
 ALL HAND HOLE COVERS MUST BE INSTALL. POLE CAPS POURED AND PULLBOX LID BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT ALL WIDE MUST HAVE INSULATION.

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

NOTE: ALL MH STATIONING IS BASED ON SEWER LENGTHS FROM MANHOLE TO MANHOLE. ALL MANHOLES ARE 48" SIZE MANHOLES PER STD.DWG# SD-1. UNLESS OTHERWISE SPECIFIED.

NOTE: MANHOLES TEN (10') FEET OR DEEPER ARE REQUIRED TO HAVE LOCKING MANHOLE COVERS.



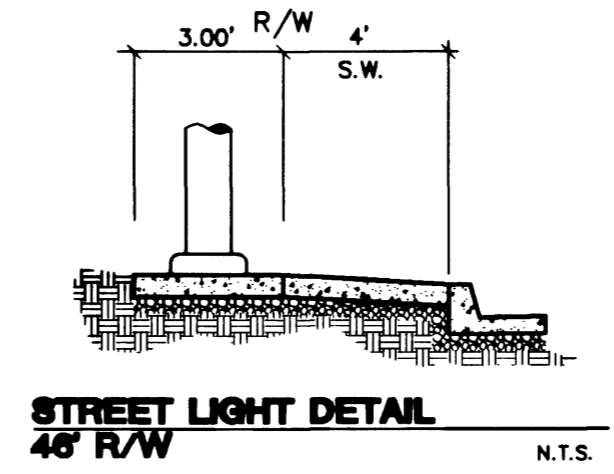
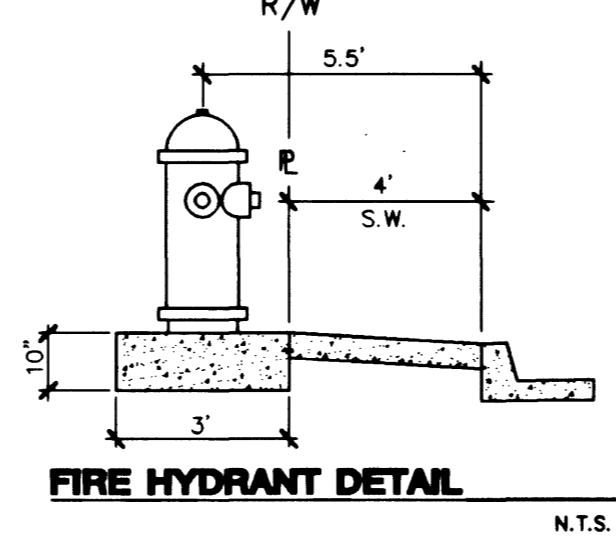
NOTE: INSTALL MARKER BALLS OVER ALL 11.25, 22.5, 45, AND 90 DEGREE BENDS.

NOTE: ALL SERVICES
 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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

BASIS OF BEARINGS
 THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804, AND 805, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

Call before you Dig
 1-800-227-2600

Call before you Overhead
 1-702-593-6111

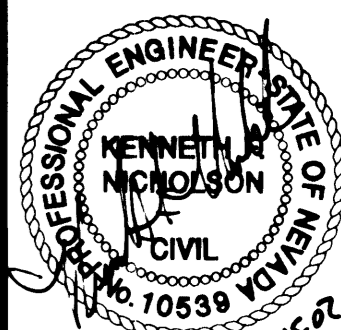


LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1,500 GALLONS/MIN. AT 20 LBS./SQ.IN. RESIDUAL.
 BASED ON:
 SQUARE FOOTAGE: 2600
 LARGEST AREA BETWEEN SEPERATION WALLS:
 HEIGHT: 2 STORY
 TYPE OF CONSTRUCTION:
 EXPOSURES: 10' MIN.
 SPRINKLER SYSTEM: NONE
 OCCUPANCY: SINGLE FAMILY RESIDENCE
 ROOF CONSTRUCTION: CONCRETE, TILE
 REVIEWED BY: [Signature]
 DATE: PROVIDE FIRE LANE IDENTIFICATION PER CITY ORD. 3677

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT
 CITY OF LAS VEGAS FIRE MARSHAL
 NEVADA POWER COMPANY
 DATE: [Signature] 7/25/02
 DATE: [Signature] 7/25/02



SEE COVER SHEET
 NEVADA POWER COMPANY
 DATE: [Signature]
 NEVADA POWER COMPANY APPROVAL IS ONLY FOR THE PLACEMENT AND CLEARANCE OF STREET LIGHT AND SIGNAL LIGHT INSTALLATION, AND CLEARANCE OF STREET LIGHT AND SIGNAL LIGHT INSTALLATION.

PROJECT BENCHMARK
 PROJECT DATUM: NAVD88
 CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
 NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
 ONLY BM 413148, DECATUR BLVD. & GRAND TETON DR. 100' SW OF SECTION CORNER NEXT TO METAL POWER POLE.
 NAVD 88 ELEV=710.953 METERS (2332.52 FEET)
 1" DIAMETER CONCRETE MONUMENT 77 FEET SOUTH & 54 FEET WEST OF N.E. CORNER SEC. 13T19R60E 10' EAST OF LARGE POWER POLE.

40921 43395 44378
 signed Marko signed [Signature]

KB HOME
 750 PILOT ROAD, SUITE F
 LAS VEGAS, NV 89119
 (702) 614-2500

newtech
 CONSULTING ENGINEERS & PLANNERS • LAND SURVEYORS
 2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
 PH. (702) 873-7550 FAX (702) 882-2597

MASTER UTILITY PLAN
IRON MOUNTAIN RANCH VILLAGE 4 UNIT 2

DRAWN BY: [Signature] NOV. 01
 DESIGNED BY: [Signature] NOV. 01
 CHECKED BY: [Signature] NOV. 01
 PROJECT NO: 307Y-4604-4-2
 SCALE: 1"=40' HORIZ.
 1"=4" VERT.

SHEET
C5
 5 OF 23 SHEETS
 DRAWING NO.
 307Y-4604-4-2