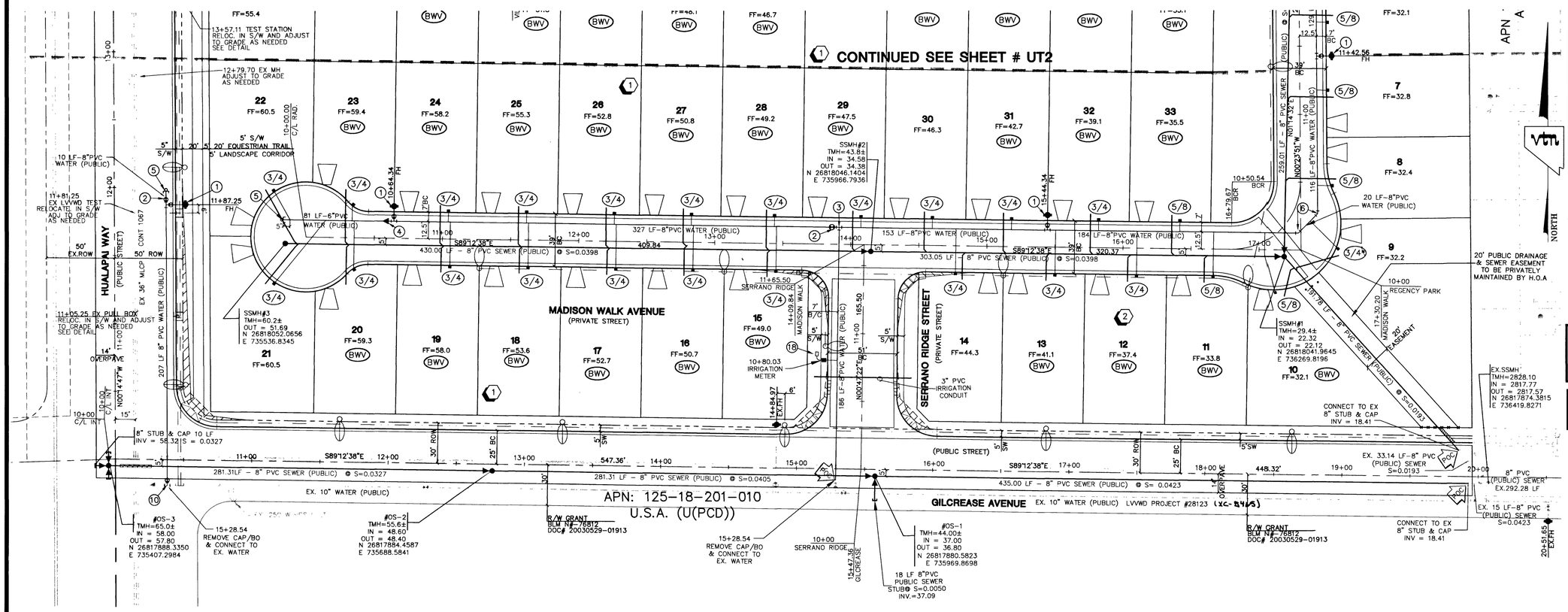
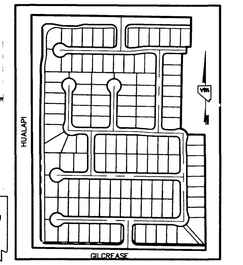




KEY MAP
N.T.S.

GRAPHIC SCALE
1" = 40'

PRIVATE STREET NOTE :
ALL PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENT AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

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

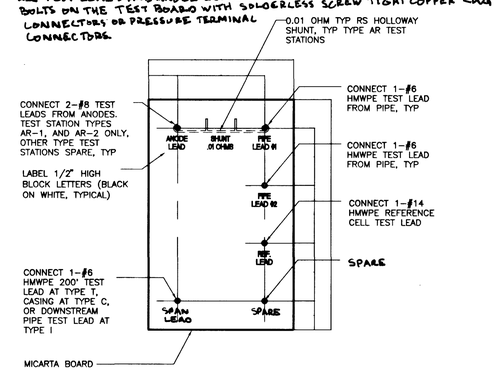
FOR ALL UTILITY NOTES, SEE GENERAL NOTE SHEET # C3, LEGEND\QUANTITIES SEE UT1

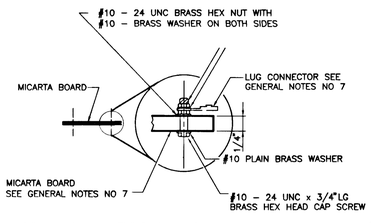
GENERAL NOTES

ALL TEST LEADS AND ANODE LEADS SHALL BE COLORED WITH COLORED INSULATION OR TAPE AT EACH END AT 4 FOOT INTERVALS. COLOR CODES SHALL BE AS FOLLOWS:

TEST STATION LEADS FROM PIPE - WHITE
REFERENCE CELL TEST LEADS - RED
ANODE TEST LEADS - GREEN
JOB TEST LEAD - BLUE

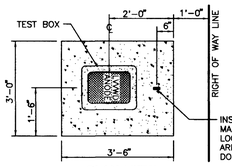
ALL TEST LEADS AND ANODE LEADS SHALL BE CONNECTED TO THE BRASS BOLTS ON THE TEST BOARD WITH SOLDERLESS SCREW TIGHT COPPER LUG CONNECTORS OR PRESSURE TERMINAL CONNECTORS.



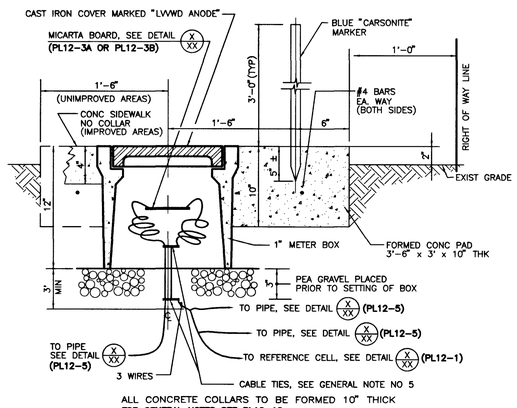


STANDARD TEST BOARD INSTALLATION (4)
NOT TO SCALE

61933 RGM



PLAN VIEW



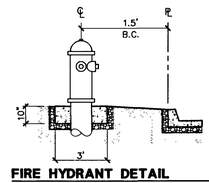
ALL CONCRETE COLLARS TO BE FORMED 10" THICK
FOR GENERAL NOTES SEE PL12-10

TEST BOX DETAIL - TYPICAL (5)
NOT TO SCALE PL12-2 012301

Procedures to relocate a corrosion test station :

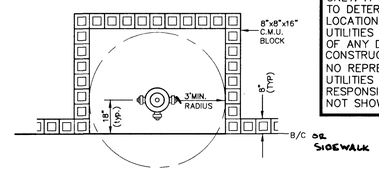
1. Expose the test station(s) and label all leads according to the TYPICAL TEST BOARD DETAIL.
2. The leads that are connected to the pipe require #6 copper wire with the HMWPE jacket such as Raychem Permarad.
3. The lead that is connected to the reference cell requires #14 copper per wire with a HMWPE jacket such as Raychem Permarad.
4. Connect the two wires to be spliced with a copper butt connection using the proper crimping tool.
5. Make each splice using a Scotchcast resin splicing kit, Durco-cast universal splice kit, or a Raychem anode splice encapsulation kit.
6. Reconnect the test board to proper leads, and place the test box at the new site.
7. The test box at the new site will be installed according to the TYPICAL TEST BOX DETAIL.
8. All test leads and anode leads in side the test box shall be bundled together at 8 inch intervals with nylon ties and shall be provided with a minimum of 4 feet of slack.
9. All test leads and anode leads shall be color coded with colored tape at each end, and at 4 feet intervals.
10. Relocated test station to be tested by certified Cathodic Protection Specialist, Corrsion Specialist, or registered Professional Corrosion Engineer. Results to submitted in writing to LVVWD Construction Division.

ESN 06



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

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



MINIMUM CLEARANCE AT FIRE HYDRANT DETAIL
NOT TO SCALE

ENGINEER DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN HERON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO COMMENCING CONSTRUCTION.
NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HERON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

SEWER CONNECTION NOTE:
ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWERE 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 DEVELOPERS'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.

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** 1-702-593-6111

PROJECT BENCHMARK
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: OC9017N6
ELEVATION: 799.0857 METERS (2,621.67 FEET)
RIVET AND SQUARE ALUMINUM PLATE IN TOP CENTER OF HEADWALL ON THE WEST SIDE OF U.S. 95 NEAR MILE MARKER 90.15.

BASIS OF BEARINGS
SOUTH 00°14'47" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 114 OF SURVEYS, AT PAGE 57.

12/7/03
CLV FIRE MARSHAL

APPROVAL:
LAS VEGAS VALLEY WATER DISTRICT 1/20/04
PROJECT #28084 UT1,2 & 3- SD1 & 2 DATE

REV	DATE	BY	REVISION

BEAZER HOMES
4870 S FORT APACHE SUITE #200
LAS VEGAS, NEVADA 89147
(702) 837-2100

CITY OF LAS VEGAS

vtn nevada CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 362-2697

MASTER UTILITY PLAN

BEAZER @ GRAND TETON VILLAGE UNIT 2

DRAWN BY: CWB — AUGUST, 2003
DESIGNED BY: DLG — AUGUST, 2003
CHECKED BY:
PROJECT NO: 5145
SCALE: 1"=40' HORIZ. N/A VERT.

PROFESSIONAL ENGINEER, STATE OF NEVADA — DEBORAH KALEIKINI-JOHNSON — CIVIL — No. 14571 — EXPIRES 06-30-05

SHEET **UT3**
7 OF 35 SHEETS
DRAWING NO. 92.2
107447

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