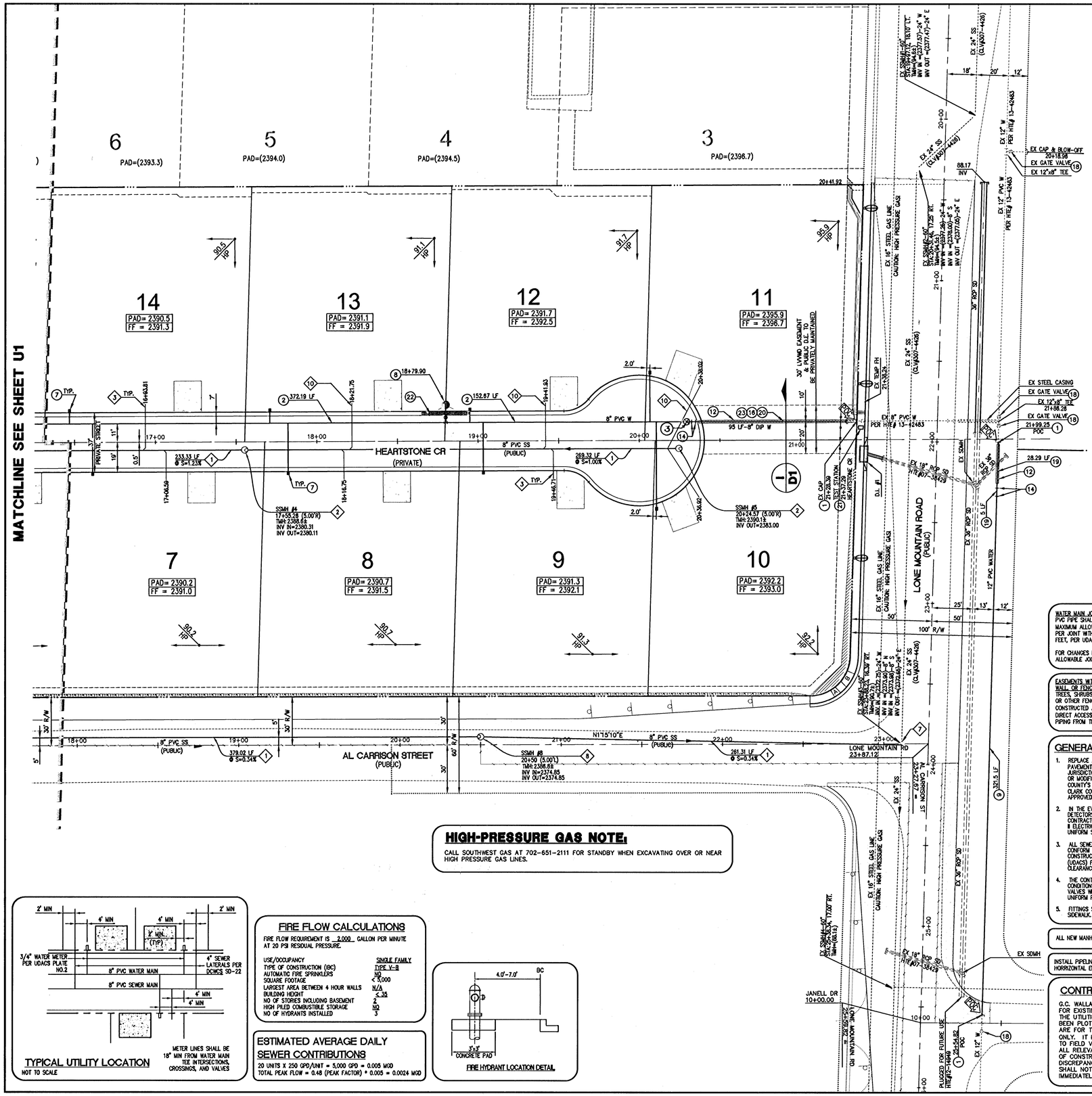


CONSTRUCTION NOTES

WATER

1. REMOVE CAP AND BLOWOFF PER UDACS PLATE #38, AND CONNECT TO EXISTING MAIN.
2. INSTALL 8" PVC WATER PIPE.
3. INSTALL GATE VALVE PER UDACS PLATE NO. 30 & 39.
4. INSTALL 8" X 8" TEE WITH THRUST BLOCKS PER UDACS PLATE NO. 31.
5. INSTALL 12" X 8" TEE WITH THRUST BLOCKS PER UDACS PLATE NO. 31.
6. INSTALL CAP AND 2" BLOW-OFF VALVE PER UDACS PLATE NO. 38.
7. INSTALL 1" METER PER UDACS PLATE NO. 4 (TYP).
8. INSTALL FIRE HYDRANT ASSEMBLY W/ 8"x8" TEE & 8" GATE VALVE PER UDACS PLATE NO. 40 & PLATE NO. 31 & 39 (SEE DETAIL ON SHEET U1).
9. INSTALL 12" PVC WATER PIPE.
10. INSTALL 8" X 8" TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS 2.24.01 (A), PLATE NO. 34 & 39.
11. INSTALL IRRIGATION SLEEVES 1-6" AND 2-4" SCH. 40 PVC (VERIFY ALL IRRIGATION CROSSING WITH LANDSCAPE PLANS).
12. INSTALL STEEL CASING PER UDACS PLATE NO. 22 & 23.
14. INSTALL 45 DEGREE BEND PER UDACS PLATE NO. 31.
15. INSTALL 8" X 6" REDUCER PER UDACS PLATE NO. 30.
16. INSTALL 8" DIP WATER PIPE.
17. INSTALL 6" PVC WATER PIPE.
18. ADJUST WATER VALVE BOX TO FINISHED GRADE PER UDACS PLATE NO. 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
19. INSTALL 12" DIP WATER PIPE.
20. CONSTRUCT WATER LINE WITHIN LVVWD EASEMENT PER DETAIL "1" SHEET P2.
21. CONSTRUCT TYPE "1" TEST STATION WITHOUT ANODES PER DETAIL "1" SHEET P2.
22. PAINT CURB RED (NO PARKING) 30' WIDE CENTERED ON HYDRANT.
23. CONSTRUCT CLASS I CLSM TRENCH BACKFILL PER UDACS PLATE NO. 16 AND 19.

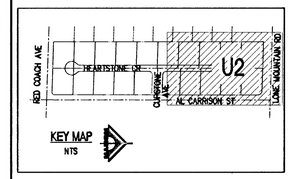
SEWER

1. INSTALL 8" PVC SANITARY SEWER PIPE
2. INSTALL 48" DIAMETER SANITARY SEWER MANHOLE PER DCSWCS SD-1A (ALL NEW MANHOLES TO HAVE PRECAST BASES)
3. INSTALL 4" SEWER LATERAL PER DCSWCS SD-22 (TYP)
4. INSTALL 60" DIAMETER SANITARY SEWER MANHOLE PER DCSWCS SD-1A (ALL NEW MANHOLES TO HAVE PRECAST BASES)
5. INSTALL 8" C-900 SANITARY SEWER PIPE
6. INSTALL 8" SEWER STUB AND CAP PER DETAIL 1 THIS SHEET.
7. REMOVE CAP AND CONNECT TO EXISTING 8" SEWER STUB. CONTRACTOR TO VERIFY LOCATION AND ELEVATION.
8. INSTALL 48" DIAMETER SANITARY SEWER MANHOLE PER DCSWCS SD-7.
10. INSTALL 4" C-900 SEWER LATERAL PER DCSWCS SD-22.

NOTE: SEE SHEET C1 & C2 FOR ABBREVIATIONS AND QUANTITIES

NORTH

30' 0' 15' 30'
SCALE: 1" = 30'



KEY MAP
NTS

BENCHMARK

BM NO. OLV004NWW8
ELEVATION = 2399.18 FEET
CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN TOP OF CURB, NORTHEAST CORNER OF DURANGO DRIVE AND RED COACH AVENUE NEAR THE PT OF DURANGO DRIVE (NAVD88).

BASIS OF BEARING

NORTH 00°18'45" WEST, BEING THE BEARING BETWEEN FOUND MONUMENTS ON DURANGO DRIVE AT THE INTERSECTIONS OF RED COACH AVENUE AND LONE MOUNTAIN ROAD, AS SHOWN BY MAP THEREOF ON FILE IN FILE 134, PAGE 80 OF SURVEYS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

LEGAL DESCRIPTION

THE EAST HALF (E 1/2) OF THE EAST HALF (E 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B. & M.

EXCEPTING THEREFROM THE INTEREST IN AND TO THE NORTH 50 FEET AS CONVEYED TO CLARK COUNTY, NEVADA BY DEED RECORDED SEPTEMBER 22, 1964 AS DOCUMENT NO. 460100.

ALSO EXCEPTING THEREFROM THE INTEREST IN AND TO THE SOUTH 30 FEET AS CONVEYED TO CLARK COUNTY, NEVADA BY DEED RECORDED JANUARY 11, 1971 AS DOCUMENT NO. 72978.

FURTHER DESCRIBED AS PARCEL NO. 2 OF THAT CERTAIN LAND DIVISION DESIGNATED AS LD NO. 74-79 AND RECORDED JUNE 18, 1979 IN BOOK 1072 AS DOCUMENT NO. 1031231, OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THE INTEREST IN AND TO THE EAST 30 FEET TOGETHER WITH THOSE CERTAIN SPANDREL AREAS LYING WITHIN THE NORTHEAST CORNER AND THE SOUTHEAST CORNER THEREOF AS CONVEYED TO CLARK COUNTY, NEVADA BY DEED RECORDED OCTOBER 31, 2002 IN BOOK 20021031 AS DOCUMENT NO. 01231, OF OFFICIAL RECORDS.

CONTAINING 10.54 ACRES MORE OR LESS.

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 2.07.01 AND 2.07.02

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

EASEMENTS WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

GENERAL NOTES

1. REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS AND/OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITIES TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL WILL BE AN APPROVED EQUIVALENT.
2. IN THE EVENT THAT THE TRAFFIC SIGNAL CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY CONTRACTOR, THE CONTRACTOR WILL HIRE AN NSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATION NO. 623.G.01.02
3. ALL SEWER/ STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
4. THE CONTRACTOR IS TO VERIFY THE ACTUAL FIELD CONDITIONS OF ALL LOTS AND INSTALL SEWER CHECK VALVES WHERE REQUIRED PER THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.
5. FITTINGS SHALL NOT FALL UNDER CURBS, GUTTERS OR SIDEWALK.

ALL NEW MANHOLES TO HAVE PRE-CAST BASES

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORRIZONTAL ELBOW FITTING. PER UDACS PLATE NO. 15.

HIGH-PRESSURE GAS NOTE:

CALL SOUTHWEST GAS AT 702-651-2111 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

TYPICAL UTILITY LOCATION
NOT TO SCALE

METER LINES SHALL BE 18" MIN FROM WATER MAIN TEE INTERSECTIONS, CROSSINGS, AND VALVES

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,000 GALLON PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

USE/OCCUPANCY	SINGLE FAMILY
TYPE OF CONSTRUCTION (IBC)	TYPE V-B
AUTOMATIC FIRE SPRINKLERS	NO
SQUARE FOOTAGE	< 3,000
LARGEST AREA BETWEEN 4 HOUR WALLS	N/A
BUILDING HEIGHT	< 35
NO OF STORIES INCLUDING BASEMENT	2
HIGH PILED COMBUSTIBLE STORAGE	NO
NO OF HYDRANTS INSTALLED	3

ESTIMATED AVERAGE DAILY SEWER CONTRIBUTIONS

20 UNITS X 250 GPD/UNIT = 5,000 GPD = 0.005 MGD
TOTAL PEAK FLOW = 0.48 (PEAK FACTOR) * 0.005 = 0.0024 MGD

FIRE HYDRANT LOCATION DETAIL

CONTRACTOR NOTE:

G.C. WALLACE, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

COUNTY OF CLARK FIRE DEPARTMENT APPROVED

BY: 4 Feb 14
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 2,000 GPM AT 20 P.S.I. RESIDUAL. 14-41698

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 121900 DATE: 02/12/14
LVVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

FAST
Call before you Dig.
UnderGround.
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

HH 51695

STATE OF NEVADA
PROFESSIONAL ENGINEER
WESLEY T. PETTY
Exp. 12-31-15
CIVIL
No. 16369
DATE: 7/11/14

REV	DATE	DESCRIPTION	DATE	AGEN APP	DATE	CCW APP

PROJECT NO. 764-A106
DESIGN: HN
DRAWN: HN
CHECK: WTP
PLOT DATE: 02-03-14
PLOT TIME: 13:35:36

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
T: 702.804.2000 - F: 702.804.2799 - GCWALLACE.COM
LAS VEGAS
F:\Projects\700\764-A106-001\DWG\Production\A106cu00.dwg
Hoo Nguyen

PULTE HOMES
ROSEWOOD
UTILITY PLAN II

DRAWING
30 of 107
U2
13 OF 15 SHTS

CLV DRAWING NO.

H# 51695

HTE# 13-43383