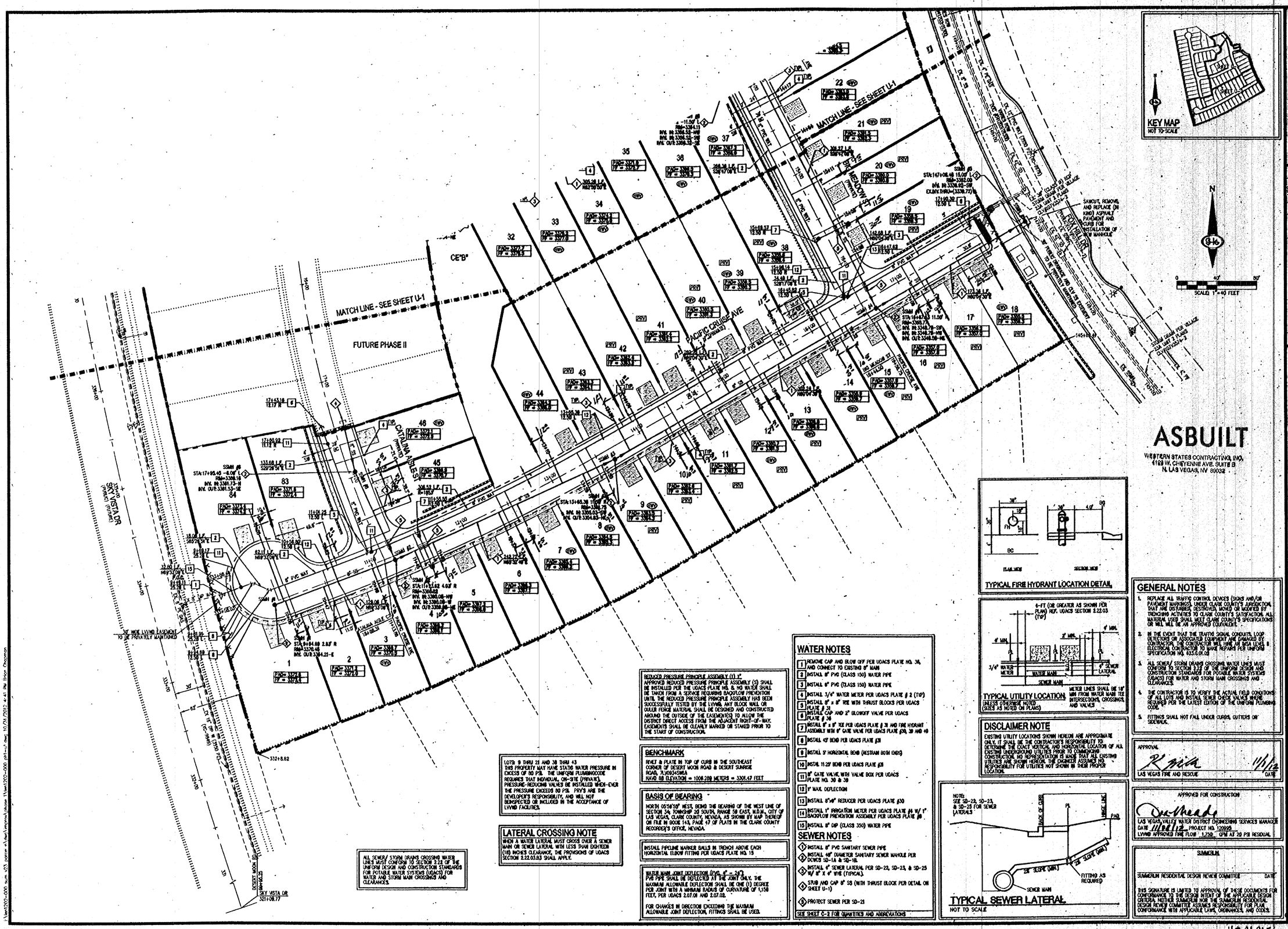

ASBUILT

WESTERN STATES CONTRACTING, INC.
4169 W. CHEYENNE AVE. SUITE B
N. LAS VEGAS, NV 89032

TYPICAL FIRE HYDRANT LOCATION DETAIL

TYPICAL UTILITY LOCATION
(UNLESS OTHERWISE NOTED (SIZES AS NOTED ON PLANS)

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

WATER NOTES

1. REMOVE CAP AND BLOW OFF PER UDACS PLATE NO. 36, AND CONNECT TO EXISTING 8" MAIN
2. INSTALL 8" PVC (CLASS 150) WATER PIPE
3. INSTALL 6" PVC (CLASS 150) WATER PIPE
4. INSTALL 3/4" WATER METER PER UDACS PLATE # 2 (TYP)
5. INSTALL 8" x 8" TEE WITH THRUST BLOCKS PER UDACS PLATE # 30
6. INSTALL CAP AND 2" BLOWOFF VALVE PER UDACS PLATE # 38
7. INSTALL 8" x 8" TEE PER UDACS PLATE # 31 AND FIRE HYDRANT ASSEMBLY WITH 6" GATE VALVE PER UDACS PLATE #30, 39 AND 49
8. INSTALL 45° BEND PER UDACS PLATE #31
9. INSTALL 5' HORIZONTAL BEND (RESTRAIN BOTH ENDS)
10. INSTAL 11.25° BEND PER UDACS PLATE #31
11. 8" GATE VALVE WITH VALVE BOX PER UDACS PLATE NO. 30 & 39
12. 1" MAIL DEFLECTION
13. INSTALL 8"x6" REDUCER PER UDACS PLATE #30
14. INSTALL 1" IRRIGATION METER PER UDACS PLATE #4 W/ 1" BACKFLOW PREVENTION ASSEMBLY PER UDACS PLATE #8
15. INSTALL 8" DIP (CLASS 350) WATER PIPE

SEWER NOTES

1. INSTALL 8" PVC SANITARY SEWER PIPE
2. INSTALL 48" DIAMETER SANITARY SEWER MANHOLE PER DCWCS SD-1A & SD-1B.
3. INSTALL 4" SEWER LATERAL PER SD-22, SD-23, & SD-25
4. 4" x 4" x 4" WYE (TYPICAL).
5. STUB AND CAP 8" SS (WITH THRUST BLOCK PER DETAIL ON SHEET U-1)
6. PROTECT SEWER PER SD-23

SEE SHEET C-2 FOR QUANTITIES AND ABBREVIATIONS

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY (S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWWD. ANY BLOCK WALL OR CULLER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

BENCHMARK

RIVET & PLATE IN TOP OF CURB IN THE SOUTHEAST CORNER OF DESERT MOON ROAD & DESERT SUNRISE ROAD, 7LV0934SMLA
NAVD 88 ELEVATION = 1008.289 METERS = 3309.47 FEET

BASIS OF BEARING

NORTH 05°56'59" WEST, BEING THE BEARING OF THE WEST LINE OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 58 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 143, PAGE 47 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

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

WATER MAIN JOINT DEFLECTION (PVC, 6" - 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.

LOTS: 9 THRU 21 AND 38 THRU 43
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBINGCODE REQUIRES THAT INDIVIDUAL ON-SITE (PRIVATE) PRESSURE-REDUCING VALVES BE INSTALLED WHEN-EVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BEINSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWWD FACILITIES.

LATERAL CROSSING NOTE

WHEN A WATER LATERAL MUST CROSS OVER A SEWER MAIN OR SEWER LATERAL WITH LESS THAN EIGHTEEN (18) INCHES CLEARANCE, THE PROVISIONS OF UDACS SECTION 2.22.03.B3 SHALL APPLY.

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.

DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

TYPICAL SEWER LATERAL
NOT TO SCALE

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 NRSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATION NO. 0.03.0.00.02
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 DROP VALVES WHERE REQUIRED PER THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.
5. FITTINGS SHALL NOT FALL UNDER CURBS, GUTTERS OR SIDEWALK.

APPROVAL
LAS VEGAS FIRE AND RESCUE — DATE 11/5/12

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 11/6/12 PROJECT NO. 120095
LVWWD APPROVED FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

SUMERLIN
SUMERLIN RESIDENTIAL DESIGN REVIEW COMMITTEE — DATE
THIS SIGNATURE IS LIMITED TO APPROVAL OF THESE DOCUMENTS FOR CONFORMANCE TO THE DESIGN INTENT OF THE APPLICABLE DESIGN CRITERIA. NEITHER SUMERLIN NOR THE SUMERLIN RESIDENTIAL DESIGN REVIEW COMMITTEE ASSUMES RESPONSIBILITY FOR FLAW CONFORMANCE WITH APPLICABLE LAWS, ORDINANCES, AND CODES.

NO.	DESCRIPTION	DATE	BY	APR. DATE	APR.

SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
6740 S. ARVILLE STREET #206, LAS VEGAS, NV 89118
PHONE: (702) 284-5300 FAX: (702) 284-5399

LENNAR® LAS VEGAS, NEVADA

CATALINA PHASE 1
UTILITY PLAN II

ASBUILT

DATE: 10/31/12
DRAFTER: BCC
DESIGNER: BCC
CHECKED: STS
PROJECT NO. LEN1202-000

U-2
SHEET 11 OF 12

H# 46965