

SUMMERLIN PARKWAY

OWNER
SILVER SKY TWO LP
33 UNION STREET
BOSTON, MA 02108-2414

BENCHMARK
FOUND RIVET AND PLATE IN THE TOP OF CURB AT THE NW CORNER OF WESTCLIFF AND CIMARRON

#909 OLVOOO 2854
777.8633(m) 2552.04(ft)

BASIS OF BEARING
NORTH 88°31'18" EAST, BEING THE SOUTH LINE OF THE CENTERLINE OF SILVER SKY DRIVE AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY NEVADA RECORDERS OFFICE AS FILE 109, PAGE 2 OF PARCEL MAPS.

FIRE FLOW CALCULATIONS
(BUILDING - 2)

FIRE FLOW REQUIREMENT IS: 2,125 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:
SQUARE FOOTAGE SF. 57,851
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: S.F. N/A
BUILDING HEIGHT: FEET: 32
NUMBER OF STORIES: 3 FLOORS
TYPE OF CONSTRUCTION: VA
OCCUPANCY: R/S, B, MIXED-USE
FULL AUTOMATIC SPRINKLERS SYSTEM: YES

SEWER CONTRIBUTION RATE

AVERAGE DAILY FLOW 80x0.7X250/1 MIL = 0.014 MGD.
PEAK FLOW 3.4X0.014 = 0.0476 MGD.

SSMH	RIM ELEV	NORTHING & EASTING	INVERT IN	INVERT OUT	SIZE	REF. STD#
EXIST #1	(2559.84)	N 10612.82 - E 10379.78	TERMINAL SSMH	(2554.11)	48" TYPE I	SD-1
EXIST #2	(2556.14)	N 10618.09 - E 10614.72	(2552.70)	(2552.50)	48" TYPE I	SD-1
EXIST #3	(2558.54)	N 10168.05 - E 10626.74	(2548.28)	(2548.08)	48" TYPE I	SD-1
EXIST #4	(2557.54)	N 9982.29 - E 10663.74	(2545.30)	(2545.10)	48" TYPE I	SD-1

NOTE
ONE OF MORE SEGMENTS OF THE DOWNSTREAM SEWER 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 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 AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

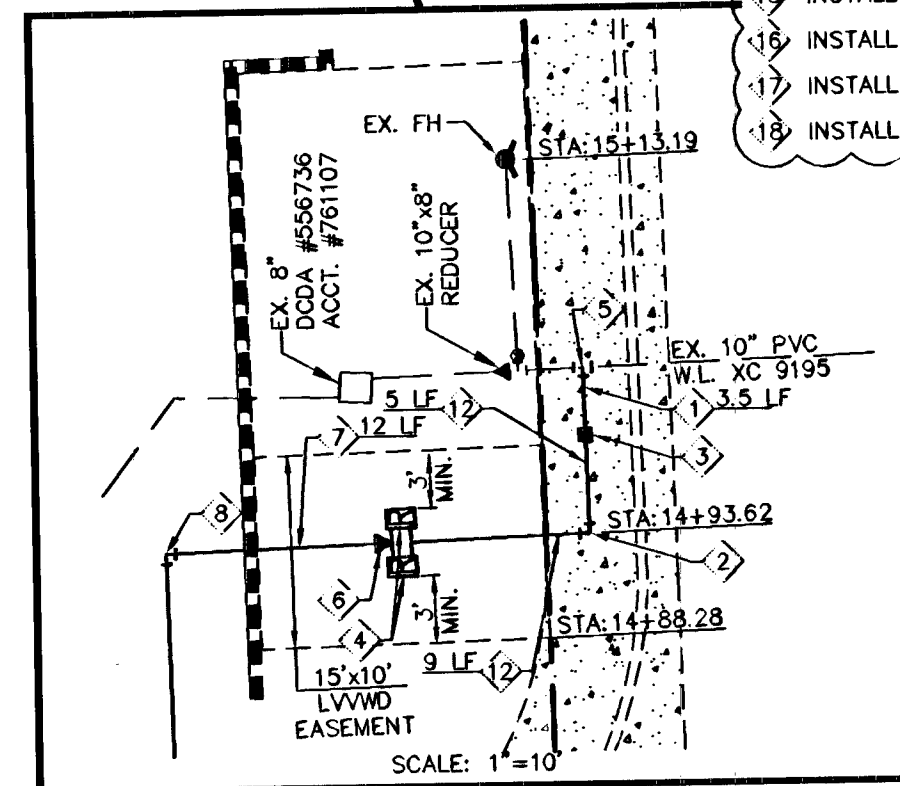
NOTE
NO PERMANENT STRUCTURES OR LANDSCAPING OVER 30 INCHES TALL SHALL BE CONSTRUCTED WITHIN THE EXISTING 20 FOOT PUBLIC SEWER EASEMENT GRANTED BY DOCUMENT #.

DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 2"
APPROVED DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. ANY BLOCK WALL OR OTHER 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. EASEMENT SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.13 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

NOTE:
ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.12.040

ENGINEER DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN HEREON 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 HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



APPROVAL

[Signature]
CITY FIRE MARSHAL

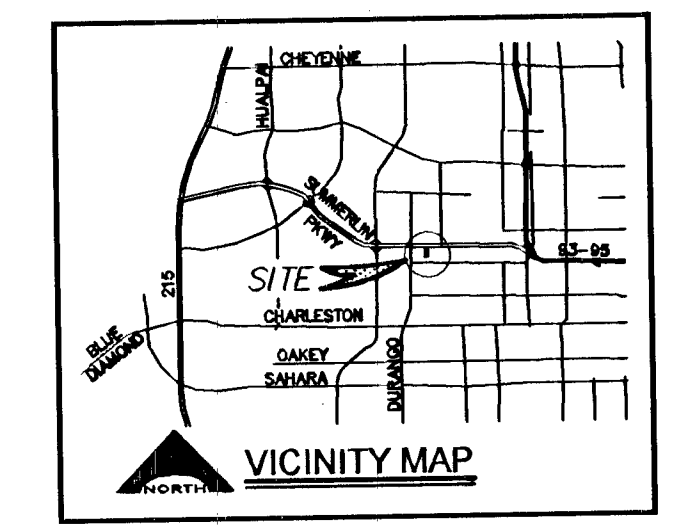
[Signature]
LAS VEGAS WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 12/8/14 PROJECT NO. 116234

DISCLAIMER NOTE
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Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call before you OVERHEAD
Avoid overhead power line contact

Call before you Undergound
Avoid hitting underground traffic signal systems and street light systems. It's costly.



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft

LEGEND & ABBREVIATIONS

INV INVERT OF PIPE
EXIST EXISTING
DW DOMESTIC WATER
SS SANITARY SEWER
TCO TOP CLEAN OUT
PVC POLYVINYL CHLORIDE
PROP PROPOSED
RIM TOP OF MANHOLE
EXIST EXISTING
FIRE HYDRANT EXISTING FIRE HYDRANT
GATE VALVE EXISTING GATE VALVE
FIRE HYDRANT PROPOSED FIRE HYDRANT
GATE VALVE PROPOSED GATE VALVE
WATER LINE EXISTING WATER LINE
SEWER LINE PROPOSED SEWER LINE
PROPERTY LINE/RIGHT OF WAY
STREET CENTERLINE
EXISTING STREETLIGHT

- WATER CONSTRUCTION NOTES & QUANTITIES**
- 1. INSTALL 2" TYPE "K" COPPER 3 LF
 - 2. INSTALL 2" 90° BEND (BRASS) 0 EA
 - 3. INSTALL 2" SERVICE AND 2" METER PER UDACS PLATE No. 4 1 EA
 - 4. INSTALL DUAL 2" RPPA PER UDACS PLATE No. 8 2 EA
 - 5. INSTALL 2" SERVICE SADDLE PER UDACS PLATE No. 4 1 EA
 - 6. INSTALL 4"x2" REDUCER 1 EA
 - 7. INSTALL 4" PVC-DOMESTIC WATERLINE (PRIVATE) 840.72 LF
 - 8. INSTALL 4" 90° BEND 2 EA
 - 9. INSTALL 4" 45° BEND 2 EA
 - 10. INSTALL 4" TEE 1 EA
 - 11. INSTALL 4" GATE VALVE 2 EA
 - 12. INSTALL 2" BRASS PIPE BETWEEN METER AND RPPA 18 LF
 - 13. INSTALL CAP 2 EA
 - 14. INSTALL 8" PVC WATER LINE 29 LF
 - 15. INSTALL 8" 45° BEND 2 EA
 - 16. INSTALL 8" PVC SEWER LINE (C-900) 39 LF
 - 17. INSTALL 8" CLEAN-OUT 2 EA
 - 18. INSTALL 8" WYE 2 EA

NEVADA H.A.N.D.
285 EAST WARM SPRINGS ROAD SUITE 101
LAS VEGAS, NEVADA 89119
TEL (702) 738-0346 CONTACT: ROBERT FLEMMING

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6765 West Sahara Road Suite 200
Las Vegas, NV 89118
(702) 798-7978
(702) 451-2266 FAX

UTILITY PLAN

WESTCLIFF HEIGHTS
SILVER SKY DR AND ROLAND WILEY RD
CITY OF LAS VEGAS

APPROVAL

[Signature]
VERNON R. HARKINS
CIVIL
12/1/14

SEAL

PROJECT NO: 603-C04-092

SCALE: 1" = 30'

SHEET
6 OF 109 SHEETS
CLV DRAWING NO. 1074328C-1