

FUTURE PHASE 2

M.H.#	TYPE	N. INV. EL.	S. INV. EL.	E. INV. EL.	W. INV. EL.	TOP M.H.	NORTHING	EASTING	COMMENTS
SSMH 1	TYPE I	70.47	70.47	70.27	70.47	81.5±			48" DIA. M.H. (PRIVATE)
SSMH 2	TYPE I	71.90	71.90	71.70		86.2±			48" DIA. M.H. (PRIVATE)
SSMH 3	TYPE I	85.82	86.02			92.9±			48" DIA. M.H. (PRIVATE)
SSMH 4	TYPE I	95.28	95.48			101.0±			48" DIA. M.H. (PRIVATE)
SSMH 5	TYPE I			93.90		106.1±			48" DIA. M.H. (PRIVATE)
SSMH 6	TYPE I	98.82	99.02			106.3±			48" DIA. M.H. (PRIVATE)
SSMH 7	TYPE I	100.10				106.3±			48" DIA. M.H. (PRIVATE)
SSMH 10	TYPE I		88.68	88.68	88.68	95.9±			48" DIA. M.H. (PRIVATE)
SSMH 11	TYPE I	87.05		87.25	87.25	94.5±			48" DIA. M.H. (PRIVATE)
SSMH 12	TYPE I		82.94	82.74	90.0±				48" DIA. M.H. (PRIVATE)
SSMH 13	TYPE I	80.89		81.09	88.3±				48" DIA. M.H. (PRIVATE)
SSMH 14	TYPE I		68.66	68.66	78.1±				48" DIA. M.H. (PRIVATE)
SSMH 15	TYPE I	68.48	68.48	66.28	78.3±				48" DIA. M.H. (PRIVATE)
SSMH 16	TYPE I	44.56 THRU 44.56 THRU		55.50	71.50±				60" DIA. M.H. (PUBLIC)
SSMH 17	TYPE I	96.45 THRU 96.45 THRU		03.0±					48" DIA. M.H. (PRIVATE)
SSMH 18	TYPE I	97.58 THRU 97.58 THRU		04.2±					48" DIA. M.H. (PRIVATE)
SSMH 19	TYPE I	91.40 THRU 91.40 THRU		96.7±					48" DIA. M.H. (PRIVATE)

NOTE: THE ON-SITE SEWER SYSTEM HAS BEEN DESIGNED IN CONFORMANCE TO THE UNIFORM PLUMBING CODE.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 1,750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.
 BASED ON: (LARGEST STRUCTURE BUILDING TYPE "C")
 SQUARE FOOTAGE: 9,925 S.F.
 LARGEST AREA BETWEEN 4-HR RATED SEPARATION WALLS: NA
 BUILDING HEIGHT: 31'-6"
 NUMBER OF STORIES: NA
 TYPE OF CONSTRUCTION: TYPE V-1 HR.
 OCCUPANCY: APARTMENTS
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: ☒ YES ☐ NO
 REVIEWED BY: *[Signature]* DATE: 12/6/02
 LAS VEGAS FIRE DEPARTMENT

SEWER CONTRIBUTION

340 UNITS @ 0.8 X 250 GPD = 0.068 MGD AVERAGE
 3.3 X 0.068 = 0.224 MGD PEAK
 GD = GALLONS PER DAY

BENCHMARK

1LV00 45ES
 ELEVATION = 2342.02, 713.8497 METERS
 RIVET & PLATE IN TOP OF CURB, NW RETURN OF ALEXANDER ROAD AND BUFFALO DRIVE.

BASIS OF BEARING

N88°40'57"E BEING THE NORTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 58 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN ON A SURVEY, FILE 88, PAGE 8, CLARK COUNTY NEVADA.

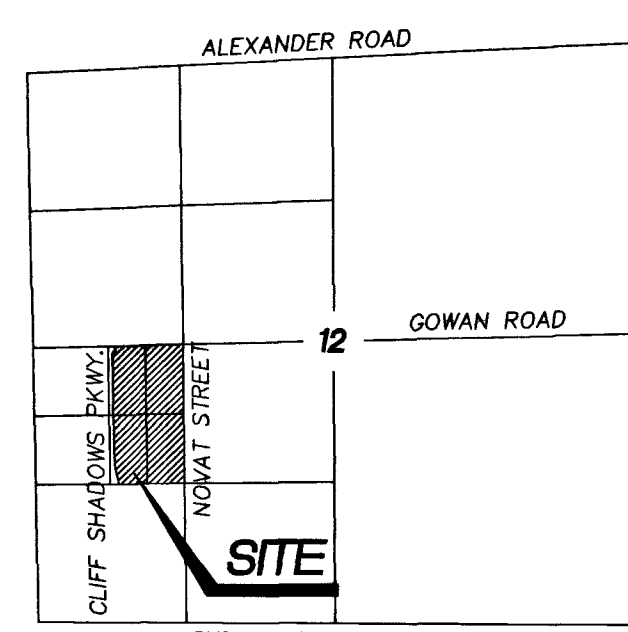
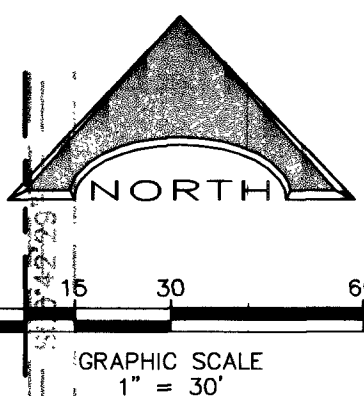
DISCLAIMER NOTE

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 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.

Avoid cutting underground utility lines. It's costly.
before you Dig
 1-800-227-2600
 UNDERGROUND SERVICE (USA)

Avoid overhead power line contact.
before you OVERHEAD
 1-702-593-6111
 NEVADA POWER CORPORATION AND SAFETY SERVICES DEPARTMENT

SEAL
 GREGORY G. RADIG
 EXP 12/31/03
 CIVIL
 12-9-02
 SHEET
 C6
 6 OF 16 SHEETS
 DRAWING NO.
 3074-4715-1
 RELOT



SW 1/4, SEC. 12, T.20S., R.58E.
 APN 137-12-301-003, 004, AND 137-12-301-011, 012

VICINITY MAP
NOT TO SCALE

LEGEND AND ABBREVIATIONS

- | | |
|------|--|
| S.D. | STORM DRAIN |
| — | BLOCK WALL |
| — | EDGE OF PROPOSED PAVEMENT |
| — | EXISTING CHAIN LINK FENCE |
| — | EXIST RIGHT-OF-WAY |
| — | RIGHT-OF-WAY |
| — | CENTERLINE |
| — | PROPERTY LINE |
| — | LOTLINE |
| — | EXISTING WATER MAIN |
| — | EXISTING SEWER MAIN |
| — | PROPOSED WATER LINE |
| — | PROPOSED SANITARY SEWER W/ MANHOLE |
| — | EXISTING SANITARY SEWER W/ MANHOLE |
| — | RED PAINTED CURB "NO PARKING" |
| — | PROPOSED WATER VALVE |
| — | EXISTING WATER VALVE |
| — | EXISTING FIRE HYDRANT |
| — | PROPOSED FIRE HYDRANT |
| — | CONSTRUCTION NOTE - WATER |
| — | CONSTRUCTION NOTE - SEWER |
| — | SANITARY SEWER CLEANOUT |
| — | SANITARY SEWER CLEANOUT TOP ELEVATION |
| — | SANITARY SEWER CLEANOUT INVERT ELEVATION |

CONSTRUCTION NOTES AND
WATER AND SEWER QUANTITIES

WATER QUANTITIES

1	24" X 8" TAPPING TEE	2	EA.
2	W/8" TAPPING VALVE		
3	8" PVC WATER LINE	2672	L.F.
4	4" PVC WATER LINE	681	L.F.
5	2" PVC WATER LATERAL	920	L.F.
6	1 1/2" WATER LATERAL	2	L.F.
7	8" TEE	4	EA.
8	8" 90° BEND	5	EA.
9	8" 45° BEND	7	EA.
10	8" 22 1/2° BEND	1	EA.
11	8" GATE VALVE	6	EA.
12	6" X 3" COMBINATION METER	2	EA.
13	8" R.P.P.A.	2	EA.
14	STUB AND CAP W/2" BLOWOFF	2	EA.
15	FIRE HYDRANT ASSEMBLY	7	EA.
16	8" X 6" REDUCER	4	EA.

SEWER QUANTITIES

1	8" PVC SEWER	2980	L.F.
2	60" DROP MANHOLE	1	EA.
3	48" TYPE I MANHOLE	16	EA.
4	4" SEWER CLEANOUT	24	EA.
5	8" SEWER LATERAL	320	EA.
6	6" SEWER LATERAL	220	EA.
7	4" SEWER LATERAL	1480	EA.
8	8" PVC SEWER (PUBLIC)	374	L.F.
9	48" TYPE I MANHOLE (PUBLIC)	1	EA.

CLIFF SHADOWS CONDOMINIUMS, LLC
 8375 W. FLAMINGO RD. #200
 LAS VEGAS, NV 89123
 (702) 568-2828

SHEET

UTILITY PLAN 2

TITLE

CLIFF SHADOWS CONDOMINIUMS, LLC

DESIGNED BY:

CHECKED BY:

PROJECT NO:

SCALE: HORIZ. 1"=30'

121-055-012

DATE: 12/6/02

BY: [Signature]

FOR: [Signature]

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