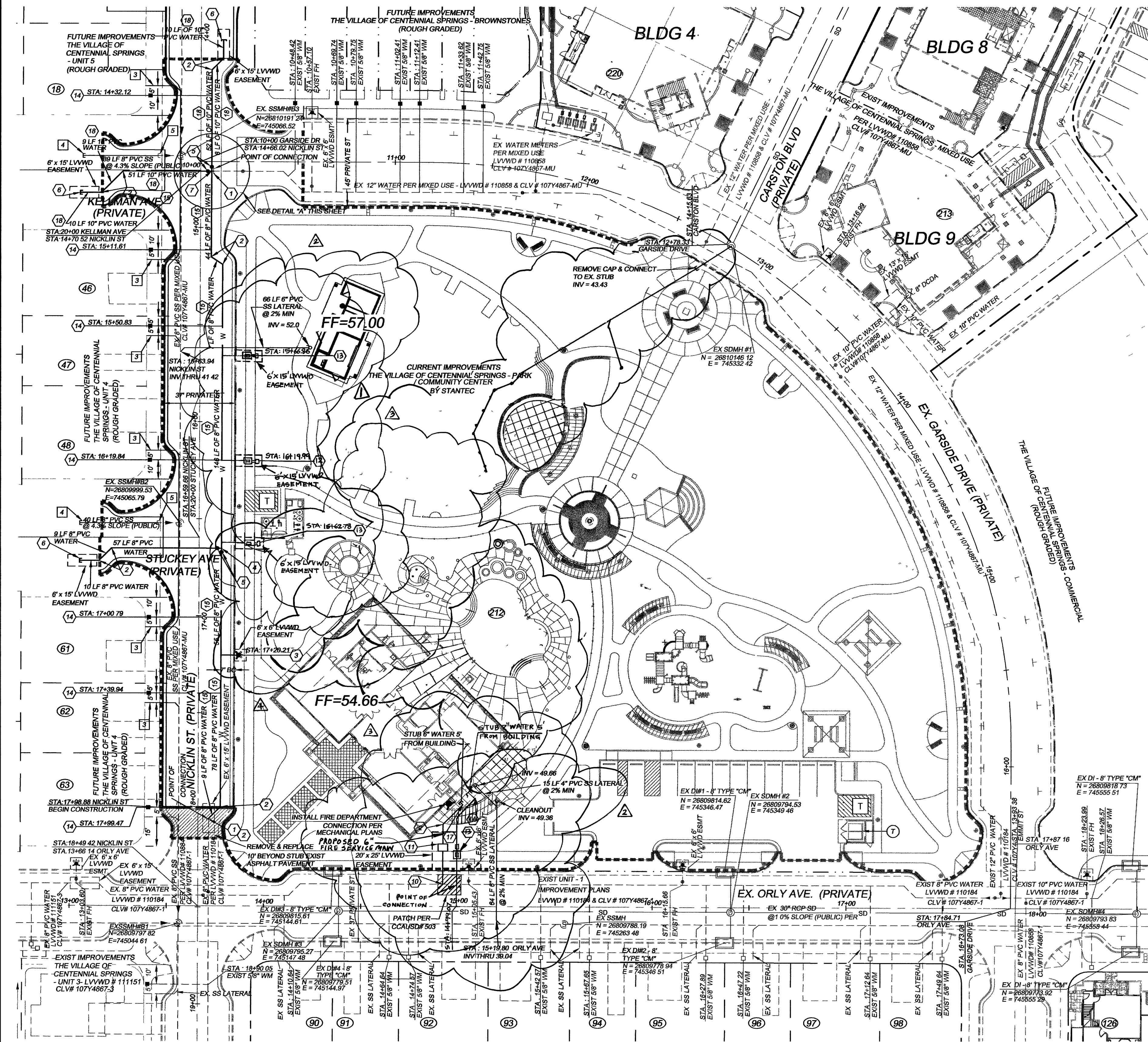
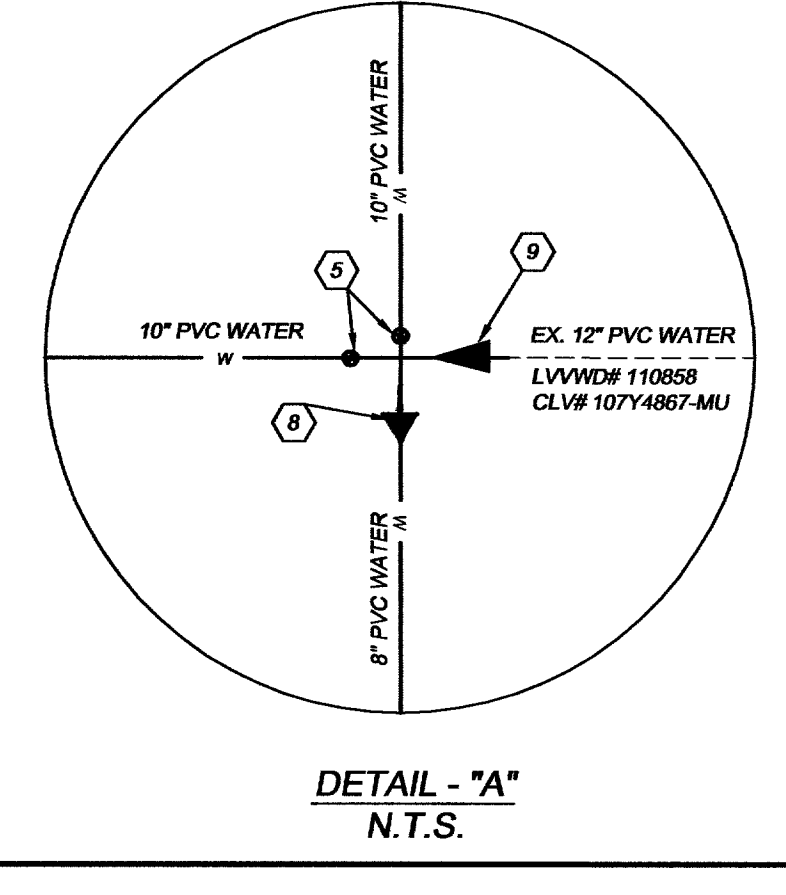




NOTE:
ALL PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENTS & PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED.

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1) 6"
THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 11C.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1" (3) 1.5"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.



STORM DRAIN MANHOLE AND INLET TABLE

No.	SIZE	TYPE	RIM	INV. OUT	INV. IN	STATION	OFFSET	DEPTH
EX. SDMH1	48"	SD1	52.25	43.00	-	14+15.95	2.61 RT	-
EX. SDMH2	60"	SD3	51.48	45.26	45.26	16+33.64	2.40 LT	-
EX. SDMH3	60"	SD3	52.41	47.21	-	14+38.60	2.44 LT	-
EX. SDMH4	60"	SD3	49.71	42.40	42.90	18+49.02	2.47 RT	-
EX. DI-1	8"	CM	51.41	46.26	-	16+37.56	18.15 RT	4.65
EX. DI-2	8"	CM	51.41	46.42	-	16+37.56	18.15 LT	4.40
EX. DI-3	8"	CM	52.47	48.42	-	14+35.67	18.16 RT	3.55
EX. DI-4	8"	CM	52.47	48.37	-	14+35.67	18.16 LT	3.60

SANITARY SEWER MANHOLE TABLE

No.	SIZE	TYPE	RIM	INV. OUT	INV. IN	STATION	OFFSET
EX. SSMH1	48"	SD1	53.54	38.88	40.08	18+58.40	10.0 RT
EX. SSMH2	48"	SD1	53.80	40.87	41.07	16+68.17	10.0 RT
EX. SSMH3	48"	SD1	55.22	41.82	42.02	14+63.05	10.0 RT
EX. SSMH4	48"	SD1	51.70	38.89	38.89	15+54.63	8.99 RT

NOTE:
SERVICE LATERALS FOR (1) 1 1/2" SERVICES WILL BE TAPPED ON EXISTING MAIN BY OWNERS CONTRACTOR UNDER DIRECTION OF THE LVVWD.
ESN 030 REVISED 6/10/04

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRIVATE ARE THE DEVELOPERS RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES
ESN 041 REVISED 6/10/04

SEWER CONTRIBUTION
2.63 ACRES x 2,000 GPD/ACRE = 5260 GPD AVG.
5,260 GPD x 3.4 PEAKING FACTOR = 17,884 GPD PEAK

BENCHMARK
OLVNO 16W4: CITY OF LAS VEGAS BENCHMARK RIVET & PLATE IN TOP OF CURB @ THE NORTHEAST CORNER OF THE TOWNSHIP 19 SOUTH, RANGE 80 EAST, M.D.M. SAID LINE ALSO BEING THE CENTERLINE OF TULE SPRINGS ROAD AS SHOWN BY PLAT THEREON ON FILE IN BOOK 81, PAGE 85 IN THE CLARK COUNTY, NEVADA RECORDERS OFFICE.

BASIS OF BEARINGS
NORTH 07°13'00" EAST, BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 80 EAST, M.D.M. SAID LINE ALSO BEING THE CENTERLINE OF TULE SPRINGS ROAD AS SHOWN BY PLAT THEREON ON FILE IN BOOK 81, PAGE 85 IN THE CLARK COUNTY, NEVADA RECORDERS OFFICE.

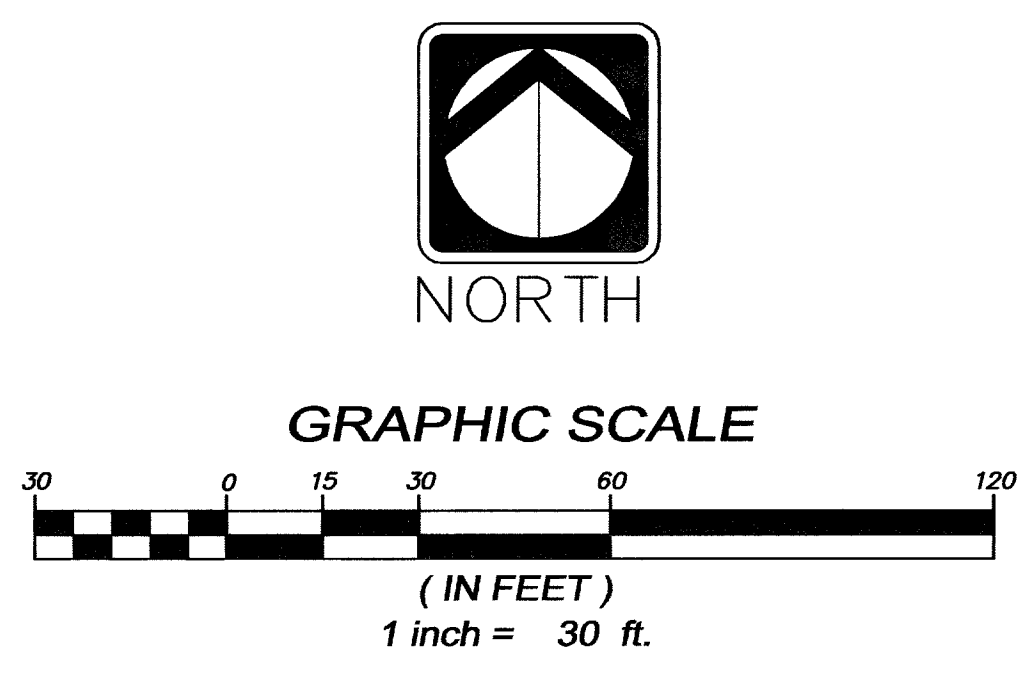
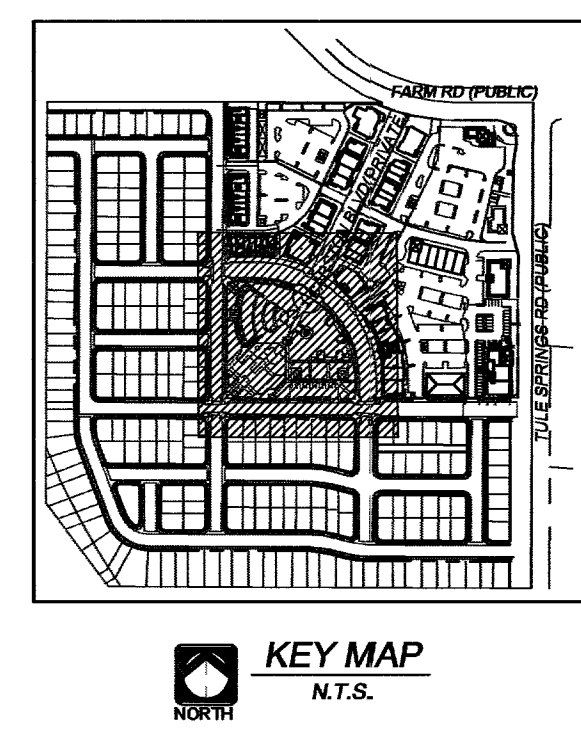
EXISTING UTILITY NOTE:
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. CALL BEFORE YOU DIG. 1-800-222-2600

WATER NOTES

- REMOVE EXISTING CAP & B.O. AND CONNECT TO EXISTING WATER LINE PER UDACS PLATE # 4A
- INSTALL 45° BEND (SAME SIZE OF MAIN)
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO.7
- INSTALL 8" TEE (SAME SIZE AS MAIN)
- INSTALL GATE VALVE (SAME SIZE AS MAIN)
- CAP & BLOW OFF ASSEMBLY PER UDACS PLATE 4A FOR FUTURE EXPANSION
- INSTALL 10" CROSS
- INSTALL 10" x 8" REDUCER
- INSTALL 10" x 8" REDUCER
- INSTALL 8" x 6" TAPPING SLEEVE & 6" TAPPING VALVE PER UDACS PLATE NO. 22
- INSTALL 6" DCDA PER UDACS PLATE NO. 11C
- INSTALL 1" SERVICE SADDLE, 1" METER & 1" RPPA PER UDACS PLATES 10 & 11A
- INSTALL 1 1/2" SERVICE SADDLE, 1 1/2" METER & 1 1/2" RPPA PER UDACS PLATES 10 & 11A
- INSTALL FUTURE USE LATERAL PER SECTION 2.14.03 OF THE UDACS. INSTALL WITH 1" SERVICE SADDLE AND 5/8" METER PER UDACS PLATE 1B
- INSTALL 8" WATERLINE (PVC, C-900 CL. 150) PER UDACS PLATE NO. 6B
- INSTALL 2" DOMESTIC WATER. DOMESTIC WATER SHALL BE TYPE "C" COPPER WITHIN THE R.O.W. AND POLYETHYLENE BEYOND THE R.O.W.
- INSTALL 90° BEND (SAME SIZE OF MAIN)
- INSTALL 10" WATERLINE (PVC, C-900 CL. 150) PER UDACS PLATE NO. 6B

SEWER NOTES

- EXISTING 48" SD-1 MANHOLE (PUBLIC)
- EXISTING 8" PVC SEWER LINE (PUBLIC)
- INSTALL 4" PVC SEWER LATERAL (PRIVATE)
- STUB AND CAP 8" SEWER (PUBLIC)
- REMOVE EXISTING CAP & CONNECT (PUBLIC)



LEGEND

EXISTING	PROPOSED
RIGHT OF WAY/PROPERTY LINE	CENTERLINE
EASEMENT LINE	WATER LINE
SEWER LINE	GAS LINE
STORM DRAIN LINE	POWER LINE(OVERHEAD)
POWER/TELEPHONE POLE	FIRE HYDRANT
METERS/PULLBOXES	REDUCER
SEWER MANHOLE	STORM DRAIN MANHOLE
CLEANOUT	STREETLIGHTS
SCREEN WALL	RETAINING WALL
TRASH ENCLOSURE	"A" CURB
"A" CURB	"L" CURB
FINISHED FLOOR ELEVATION	LIMITS OF CONSTRUCTION
LIMITS OF CONSTRUCTION	IMPROVEMENTS TO BE CONSTRUCTED PER LANDSCAPE ARCHITECT'S PLANS
IMPROVEMENTS TO BE CONSTRUCTED PER LANDSCAPE ARCHITECT'S PLANS	LIMITS OF PARCEL MAP

FIRE FLOW DATA

NOTE: FIRE FLOW BASED ON 7,500 SF
FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:
SQUARE FOOTAGE: 7,500

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 7,500

TYPE OF CONSTRUCTION: V-B

SPRINKLER SYSTEM: YES

OCCUPANCY: OFFICE

REVIEWED BY: [Signature]
DATE: 11/7/05

NOTE:
APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.
ESN 001

Call before you Dig.
1-800-222-2600
UNDERGROUND SERVICE

Call before you Dig.
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig.
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL
BY: [Signature] DATE: 11/7/05

APPROVED FOR CONSTRUCTION ESN 018
(PROJECT NO. 111154)
LAS VEGAS VALLEY WATER DISTRICT
(LVVWD # 111154)
DATE: 11/24/06

DRAWING ISSUE LOG:

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/04/05

Stantec
444 East Fremont Street, Suite 1100, Las Vegas, Nevada 89101
Water Resources Land Planning Civil Engineering Land Engineering Survey Environmental Science

carina CORPORATION

THE VILLAGE OF CENTENNIAL SPRINGS COMMUNITY CENTER & PARK UTILITY PLAN

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/04/05

DATE: November 04, 2005
JOB NO: 052007.00
FILE NAME: FILE NAME
DO NOT SCALE DRAWINGS
SHEET NO. 6 OF 8
UP-1
10714667-CC