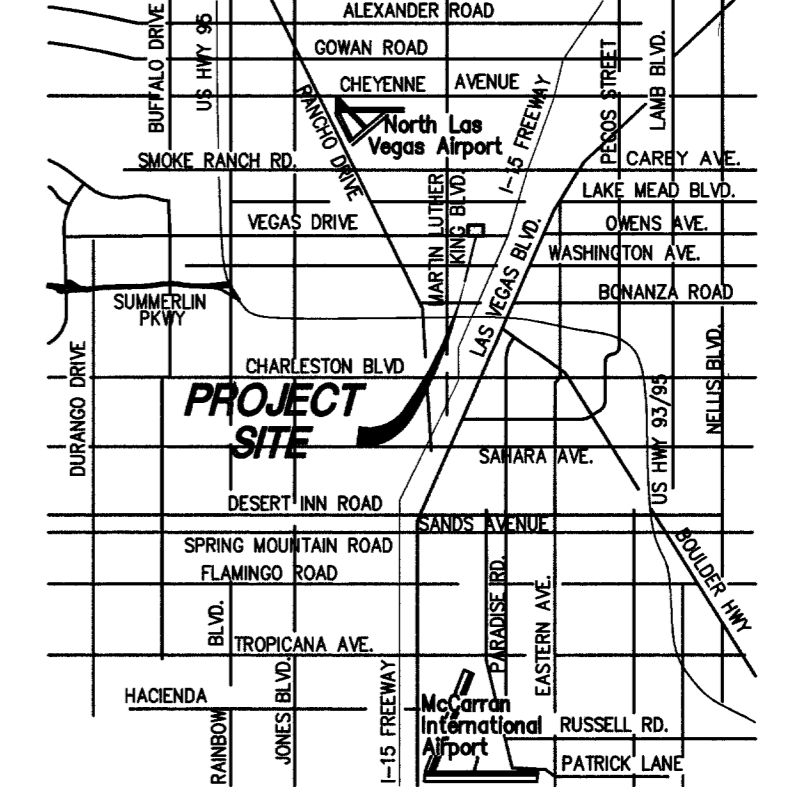
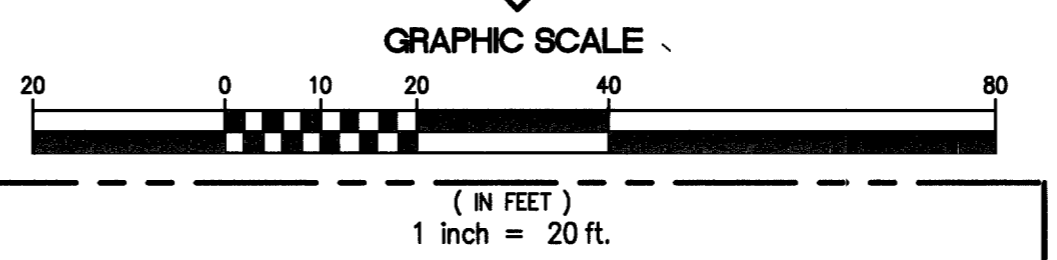
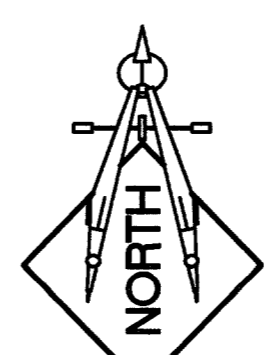


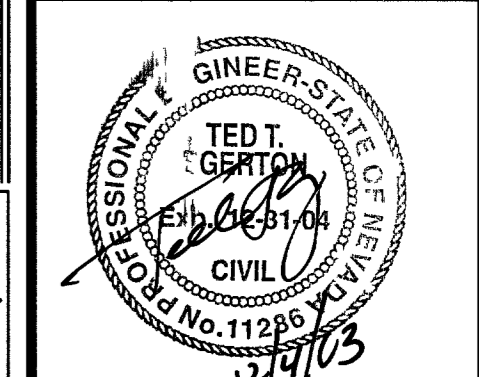
J:\CAD\6501\dwg\6501.dwg, 12/04/05 10:29:55 AM, brm, 1:1, Lochsa Civil

CAUTION!!!
CONTRACTOR TO USE EXTREME CAUTION IN
THIS AREA DURING CONSTRUCTION.
UNDERGROUND POWER LINES PRESENT.



REVISIONS	BY
INSTALL 12" GATE	JC

CONSULTANTS



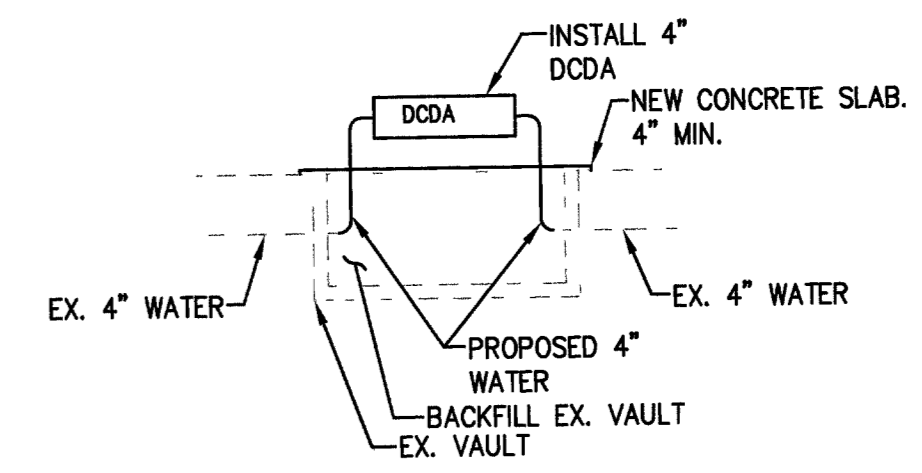
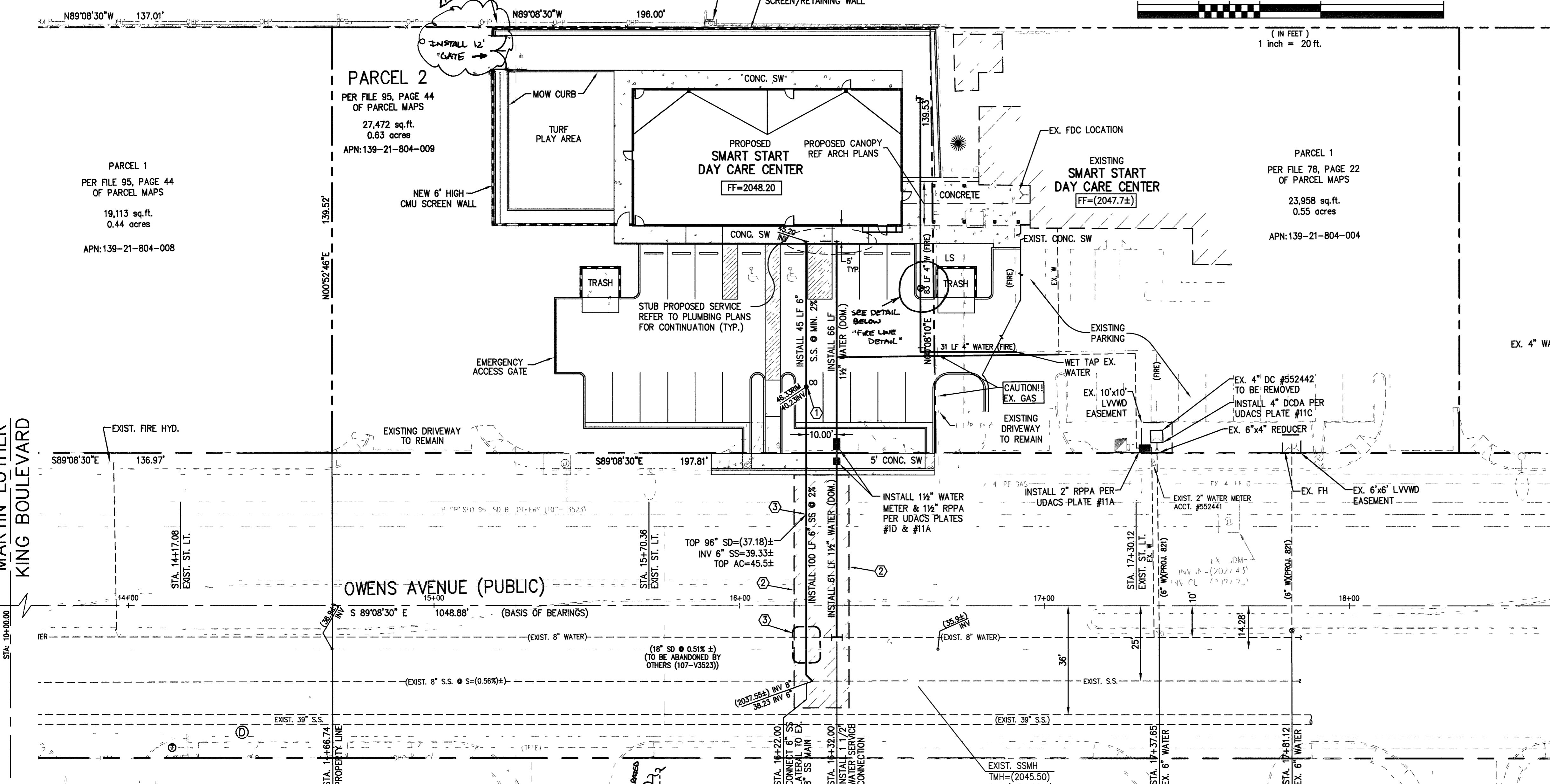
PGA Perez-Green Architects, INC.
3305 W. Spring Mountain Rd., Suite 92 • Las Vegas, NV 89102 • (702) 562-8874

SMART START DAY CARE CENTER
1260 OWENS AVE.
LAS VEGAS, NEVADA

DATE: 8/06/2005
SCALE: AS SHOWN
JOB NO.:

SHEET
C5
6 OF 7 SHEETS

10713680



CONSTRUCTION NOTES:

- ALL WATER LINES 4" OR GREATER TO BE CL 150, C900 PVC. ALL WATER LINES SMALLER THAN 4" TO BE SCH. 40 PVC. ALL WATER LINES CONNECTED TO REMOTE FIRE DEPARTMENT CONNECTIONS TO BE CL 200, C900 PVC.
- ALL GRAVITY SANITARY SEWER LINES TO BE SDR-35 PVC. ALL FORCE MAIN SANITARY SEWER LINES TO BE SCH. 40 PVC.
- CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITY STUBS PRIOR TO CONSTRUCTION.
- STATIC WATER PRESSURE = 51.9 PSI. IN OWENS AVE
- ALL NEW WATER VALVES TO HAVE PRECAST VALVE BOX w/CAST IRON COVER MARKED "WATER".
- ALL DIMENSIONS TO UTILITIES ARE MEASURED TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
- EXISTING UTILITY VAULTS, MANHOLES, ETC., TO BE ADJUSTED TO GRADE AS NECESSARY.

APN:

139-21-804-009

BASIS OF BEARINGS:

NORTH 89°08'30" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW¼) OF THE SOUTHEAST QUARTER (SE¼) OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, NEVADA, AS PER PARCEL MAP FILE 95, PAGE 44 OF CLARK COUNTY OFFICIAL RECORDS, SAID LINE ALSO BEING THE CENTERLINE OF OWENS AVENUE.

BENCHMARK:

CITY OF LAS VEGAS STATION: 2LV01 33C4, BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST RETURN OF OWENS AVENUE AND H STREET.
ELEV: 2032.22' NAVD88

REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA): (1) - 1 1/2", (1) - 2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE U.D.A.C.S. PLATE No. 11-A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW 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.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA): (1) - 4"

THE DOUBLE CHECK DETECTOR ASSEMBLY(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE U.D.A.C.S. PLATE No. 11-C.

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 TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

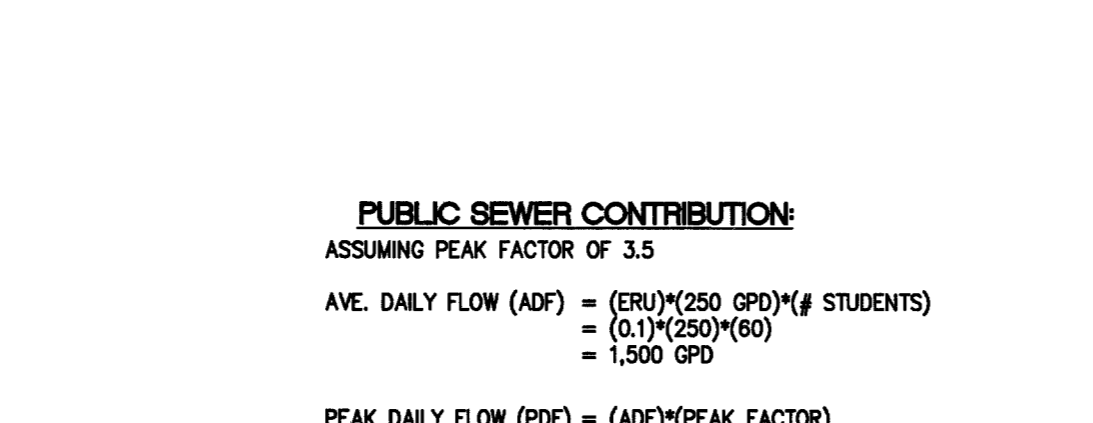
UTILITY CONSTRUCTION NOTES:

- CONSTRUCT STANDARD 6" SEWER CLEANOUT. USE PRECAST VALVE BOX w/CAST IRON COVER MARKED "SEWER". SEE DETAIL 9 SHEET C7.
- REFER TO UNIFORM STD. DWG. No. 504 FOR UTILITY PATCH AND TRENCHING.
- REFER TO SECTION 2.2.21 OF DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS FOR UTILITY CROSSING REQUIREMENTS

WATER PRESSURE NOTE

- THE STATIC WATER PRESSURE IN 8" WATER MAIN IN OWENS AVENUE IS ESTIMATED TO BE 51.9psi. THIS IS THE ESTIMATED PRESSURE BEFORE PRESSURE LOSS THROUGH PROPOSED WATER METERS, BACKFLOW PREVENTORS AND ON-SITE PIPES AND FITTINGS.
- THE ON-SITE WATER PRESSURE BEING PROVIDED AT THE FIRE RISER ROOMS WILL BE LOW, AND MAY REQUIRE A PRESSURE INCREASING PUMP TO MAINTAIN THE FIRE SPRINKLER SYSTEM INSIDE THE BUILDINGS. THIS WILL NEED TO BE DETERMINED BY THE FIRE SPRINKLER ENGINEER.
- THE ON-SITE DOMESTIC WATER PRESSURE BEING PROVIDED BY THE PUBLIC WATER SYSTEM IS LOW. IT MAY BE NECESSARY TO PROVIDE ADEQUATE PRESSURE FOR THE BUILDING SERVICES. THIS NEED TO BE DETERMINED BY THE PLUMBING/MECHANICAL ENGINEER.

FIRE LINE DETAIL



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 P.S.I. RESIDUAL PRESSURE.

BASED ON:

	PROPOSED DAY CARE BUILDING	EXISTING DAY CARE BUILDING	COMBINED FIRE FLOW
SQUARE FOOTAGE:	3982 SQ. FT.	6157 SQ. FT.	10139 SQ. FT.
REQUIRED FIRE FLOW:	1500	1500	1500
LARGEST AREA BETWEEN 4-HOUR SEPARATION WALLS:	3982 SQ. FT.	6157 SQ. FT.	10139 SQ. FT.
BUILDING HEIGHT:	14'-2"	14'-2"	14'-2"
NUMBER OF STORES:	1	1	1
TYPE OF CONSTRUCTION:	V-N	V-N	V-N
OCCUPANCY:	E	E	E
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

NOTE:
THE SPRINKLER SYSTEM IN THE PROPOSED BUILDING WILL BE SERVED BY THE RISER ROOM IN THE EXISTING BUILDING.

REVIEWED BY: [Signature] DATE: 12/2/05
LAS VEGAS FIRE DEPT.

APPROVED FOR CONSTRUCTION
FIRST APPROVAL 4/18/04
LAS VEGAS VALLEY WATER DISTRICT (PROJECT #28141) DATE: 5/14/04

AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig - 1-800-227-2600
AVOID OVERHEAD POWER LINE CONTACT
Call before you OVERHEAD - 1-702-593-6111

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE OR ENGINEER IMMEDIATELY.

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
--- CENTERLINE	--- RIGHT-OF-WAY	--- OVERHEAD POWER	--- OVERHEAD POWER
--- PROPERTY LINE	--- SANICUT LINE	--- FENCE	--- FENCE
--- WATER LINE	--- WATER LINE	--- SCARP	--- SCARP
--- SANITARY SEWER LINE	--- GAS LINE	--- GRADE BREAK	--- GRADE BREAK
--- STORM DRAIN	--- POWER LINE/POWER POLE	--- FINISH FLOOR	--- FINISH FLOOR
--- TELEPHONE LINE	--- FIRE HYDRANT	--- CLEANOUT INVERT ELEV.	--- CLEANOUT INVERT ELEV.
--- METERS/PULL BOXES	--- REDUCER	--- TOP OF CURB	--- TOP OF CURB
--- MANHOLE	--- CLEANOUT	--- TOP OF WALL	--- TOP OF WALL
--- CONTOUR	--- A.C. PAVING	--- GATE	--- GATE
--- TYPE "L" CURB & GUTTER	--- TYPE "A" CURB	--- SIGN	--- SIGN
--- CONCRETE	--- STREET LIGHTS		

STREET LIGHTS:
 100 W.H.P.S.
 150 W.H.P.S.
 200 W.H.P.S.
 250 W.H.P.S.

61682 68474 Rcm 84945