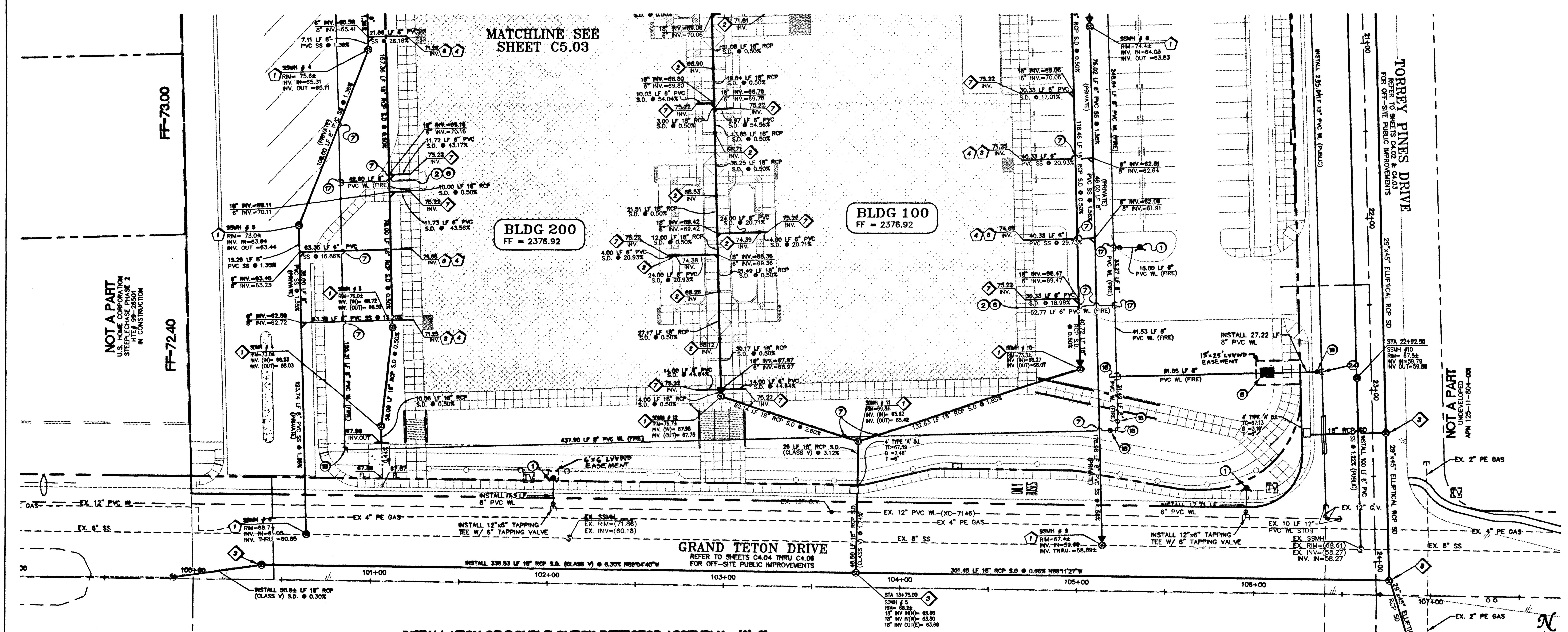

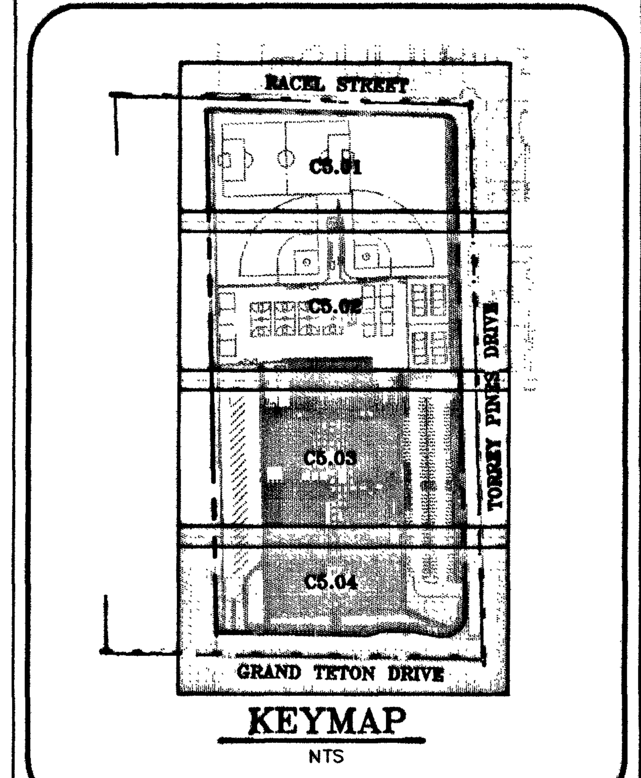

KEYMAP

NTS

INSTALLATION OF METER AND VAULT (1)-3"

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC/TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE U.D.A.C.S. PLATE NO. 18A AND WITH STANDARD VAULT DRAWING NO. C-475, LATEST REVISION.

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

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY - (2)-8"

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

NOT A PART
UNDEVELOPED
APN 125-14-103-001

REDUCED PRESSURE PRINCIPLE ASSEMBLY - (1)-3"- (2)-2" RPPA

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE U.D.A.C.S. PLATE NO. 11A OR 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

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.

WATER NOTES

1. INSTALL 6" FIRE HYDRANT ASSEMBLY (INCLUDES TEE, 6" GATE VALVE) PER UDACS STD. PLATE No. 7 & 8. PROVIDE A MINIMUM 3.00' CLEARANCE AROUND HYDRANT.
2. SEE FIRE SAFETY CONTRACTOR NOTE ON THIS SHEET.
3. INSTALL 2" RPPA PER UDACS STD. PLATE No. 11A. (POTABLE)
4. INSTALL 2" METER PER UDACS STD. PLATE No. 10. (POTABLE)
5. INSTALL 8" DCDA (FEBCO 876V) ABOVE FG, ON A CONC. PAD PER UDACS STD. PLATE No. 20B.
6. REFER TO MECHANICAL/PLUMBING PLANS FOR ADDITIONAL INFORMATION.
7. PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE BETWEEN SEWER, STORM DRAIN AND WATER LINES, WITH WATER LINES PLACED ABOVE SEWER LINES.
8. INSTALL 3" TURBO METER AND VAULT PER UDACS STD. PLATE No. 18A AND C-475. (IRRIGATION)
9. INSTALL 3" RPPA PER UDACS PLATE No. 11B. (LANDSCAPE)
10. REFER TO LANDSCAPE PLANS FOR CONTINUATION.
11. INSTALL 2" TYPE K COPPER SERVICE LATERAL WITH CORPORATION STOP AND 2" SERVICE SADDLE PER UDACS STD. PLATE No. 1D.
12. INSTALL 8" 45° BEND
13. INSTALL 8" 90° BEND
14. INSTALL 4" 90° BEND
15. INSTALL 8"x8"x8" TEE
16. INSTALL 4" 45° BEND
17. INSTALL 8"x8"x6" TEE
18. INSTALL 8" GATE VALVE
19. INSTALL 4"x2" TEE
20. INSTALL 6" GATE VALVE
21. INSTALL 2"x4" MANIFOLD
22. INSTALL 6" 90° BEND
23. INSTALL 12" GATE VALVE
24. INSTALL 12"x8" TEE
25. INSTALL 12"x6" TEE
26. INSTALL 12" 90° BEND

STORM DRAIN NOTES

1. CONSTRUCT TYPE I MANHOLE (60" DIA) PER CCAUSD NO. 406
CONSTRUCT CONCRETE COLLAR PER CCAUSD NO. 408
2. INSTALL ADS 12" INLINE DRAIN WITH 12" PEDESTRIAN H-10 RATED HINGED LOCKING GRATE (REFER TO DETAIL "A" ON SHEET C6.02) TYP. ON ALL COURTYARD DRAINS
3. CONSTRUCT TYPE II MANHOLE (60" DIA.) PER CCAUSD No. 406
4. NOT USED
5. NOT USED
6. NOT USED
7. TIE STORM DRAIN LATERAL TO BLDG. ROOF DRAIN - REFER TO MECH./PLUMBING PLANS FOR CONTINUATION. INSTALL REDUCER AS NECESSARY TO MATCH BLDG. SD STUBS.

GENERAL UTILITY CONSTRUCTION NOTES

1. TRENCH BACKFILL FOR WATER LINES TO BE CONSTRUCTED PER UDACS PLATE No. 6B.
2. CONTRACTOR TO LOCATE AND VERIFY SIZE, LINE TYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. THE CIVIL ENGINEER SHALL BE CONTACTED ONCE THE UTILITY LINE IS LOCATED.
3. THESE DRAWINGS MAY NOT INDICATE ALL EXISTING BURIED UTILITY LINES. CONTRACTOR IS TO EXERCISE GREAT CARE DURING EXCAVATION IN ORDER TO AVOID MAKING CONTACT WITH ANY EXIST. UTILITY LINES. IF UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS EXPENSE.
4. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES BACKFILL AND PATCH ALL TRENCHES AS INDICATED IN DETAILS AND/OR ACCORDING TO EXIST. SITE, AC STRUCTURAL SECTIONS.
5. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
6. THE EXISTING UTILITIES SHOWN HEREON ARE SHOWN FOR REFERENCE PURPOSES ONLY, THIS THIS INFORMATION WAS OBTAINED FROM THE AVAILABLE RECORDS PROVIDED BY THE GOVERNING ENTITIES. PBS&J DOES NOT IMPLY NOR GRANT ANY WARRANTIES TO THE ACCURACY OF THIS INFORMATION. THE USER OF THIS INFORMATION SHALL BE SOLELY RESPONSIBLE OF VERIFYING THE EXISTING CONDITIONS TO HIS OWN SATISFACTION PRIOR TO CONSTRUCTION ACTIVITIES SHOWN ON THESE PLANS.
7. SECTIONAL CONTROL VALVES ON THE ON-SITE 10" WATER TRANSMISSION LINE SHALL BE EQUIPPED WITH A DEBRIS CAP LOCK OUT DEVICE AS APPROVED BY THE CLARK COUNTY FIRE DEPARTMENT.
8. CONTRACTOR TO REPAIR ANY CONCRETE CURBING, AND LANDSCAPE AREAS THAT WERE DAMAGED DURING THE WATER LINE INSTALLATION TO THE OWNER'S SATISFACTION.
9. ALL WATER MAINS SHALL BE C900 WATER QUALITY.
10. CONTRACTOR TO REPLACE ALL DAMAGED LANDSCAPING TO THE OWNER'S SATISFACTION. DURING CONSTRUCTION ACTIVITIES CONTRACTOR SHALL INSURE THAT ALL DISTURBED LANDSCAPE IRRIGATION LINES REMAIN ACTIVE. IF CONTRACTOR CANNOT MAINTAIN ACTIVE IRRIGATION MAINS THEN CONTRACTOR SHALL INSURE PROPER WATERING OF EXISTING LANDSCAPING.
11. WATER LINES TO HAVE THRUST BLOCKS CONSTRUCTED PER UDACS PLATE No. 5. THRUST BLOCKS TO BE LOCATED AT ALL ANGLE FITTINGS (BENDS), TEE'S & FIRE HYDRANTS. ANCHOR BLOCKS TO BE LOCATED AT ALL IN-LINE REDUCERS AND GATE VALVES.
12. WET TAPS TO BE CONSTRUCTED IN CONFORMANCE WITH UDACS PLATE No. 22.
13. WATER AND SEWER SEPARATION OF TRENCHES MUST BE AT LEAST 10' MIN. (TYP). SEE DCSWCS 2.2.21 "A1", UDACS 2.19.01 "A".
14. THE PROPOSED AND EXISTING GAS LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATIONS ONLY.
15. CONTRACTOR/OWNER TO OBTAIN A CCPW OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.

SANITARY SEWER NOTES

1. CONSTRUCT STANDARD ECCENTRIC MANHOLE (48"ø) PER D.C.S.W.C.S. DRAWING No. SD-1.
2. INSTALL C900 WATER QUALITY PIPE. BACKFILL TRENCH PER STD. DWG. 504.1 AND CONSTRUCT PERMANANT AC PATCH.
3. REFER TO MECHANICAL/PLUMBING PLANS FOR LOCATION AND ADDITIONAL INFORMATION
4. CONSTRUCT LATERAL CONNECTION PER DCSWCS No. SD-17

NOTE:
THE FIRE SAFETY CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE SIZE OF PIPING THAT IS REQUIRED TO CONNECT FROM THE FIRE WATER LOOP TO THE FIRE SPRINKLER RISER. LINE SIZE SHOWN FOR INFORMATION PURPOSES ONLY

NOTE:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSINGS AND CLEARANCES.

CLARK COUNTY FIRE DEPARTMENT SIGN-OFF

BUILDING DATA - CLARK COUNTY FIRE DEPARTMENT
TYPE OF CONSTRUCTION - II-N/II-1HR. MAX. SQ. FT. - 62,034 (46,809 SQ. FT.- II-N, 15,225 SQ. FT.- II-1HR.)
NUMBER OF FLOORS - ONE
PLANNED USE - SCHOOL BUILDING
FIRE RESISTIVE RATING OF SEPARATION WALLS - N/A
AUTOMATIC FIRE SPRINKLER SYSTEM -YES

CLARK COUNTY FIRE DEPARTMENT
APPROVED BY: Barry Chapman (signature)

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE FLOW 2625 GPM AT 20 P.S.I. RESIDUAL 7/17/03 DATE

NOTES

1. UTILITY EXHIBIT PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL INFORMATION SHOWN HEREON IS REPRESENTATIVE OF LOCAL ENTITY RESEARCH AND COMPILATION OF EXISTING CONSTRUCTION DRAWINGS AND AS-BUILTS PROVIDED BY THE CLIENT/LOCAL ENTITY.
2. UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITY 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.
3. SEWER MANHOLE AND RIM ELEVATION ARE BASED OFF DESIGN INFORMATION AND FOR REFERENCE ONLY. CONTRACTOR SHOULD TAKE CARE TO VERIFY ACTUAL BENCHMARK LOCATION AND FIELD ELEVATIONS TO AVOID DIFFERENCES IN DATUM, ETC.

BASIS OF BEARINGS

NORTH 89°11'27" WEST - BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 11, TOWNSHIP 19 SOUTH RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY A MAP ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER IN FILE 73 OF SURVEYS, PAGE 14, OFFICIAL RECORDS.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 1LV90 14N4
ELEVATION = BLM BRASS CAP, GRAND TETON DRIVE AND TORREY PINES DRIVE.
NAVD 1988 DATUM
ELEVATION = 722.7231 METERS / 2371.13 FEET

APPROVED FOR CONSTRUCTION

(signature) 7.22.03
LAS VEGAS VALLEY WATER DISTRICT DATE

REVISIONS

REV	DESCRIPTION	DATE	BY	DATE	BY

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you DIG
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

PROFESSIONAL ENGINEER - STATE OF NEVADA - VERNON R. HARKINS - CIVIL - No. 9698 (stamp)

CCSD PROJECT NO.	1515
CCSD REVIEW	-
APPROVED BY	-
DATE	-
DATE	JAN. 14 2003
DRAWN BY	RBB
CHECKED BY	VRH
SUBMITTAL	BID SET
A/E PROJECT NO.	WP-0214

PBS&J
2270 Corporate Circle Drive
Suite 100
Henderson, Nevada 89074
Telephone 702/263-7275
Fax 702/263-7200
ENGINEERING · PLANNING · SURVEYING · CONSTRUCTION SERVICES

WELLES · PUGSLEY ARCHITECTS
Architecture Design Planning
2480 EAST TOMPKINS AVENUE
SUITE 222
LAS VEGAS, NEVADA 89121
(702) 435-1150

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT 4828 PEARL STREET LAS VEGAS, NEVADA 89121

PROJECT
ANTHONY SAVILLE MIDDLE SCHOOL
FORMERLY KNOWN AS GRAND TETON - TORREY PINES MIDDLE SCHOOL

DRAWING TITLE
UTILITY PLAN

SHEET NO. 715-150
C5.04

1259-ut4.dwg RBB 04/10/03 11:33:43

55814