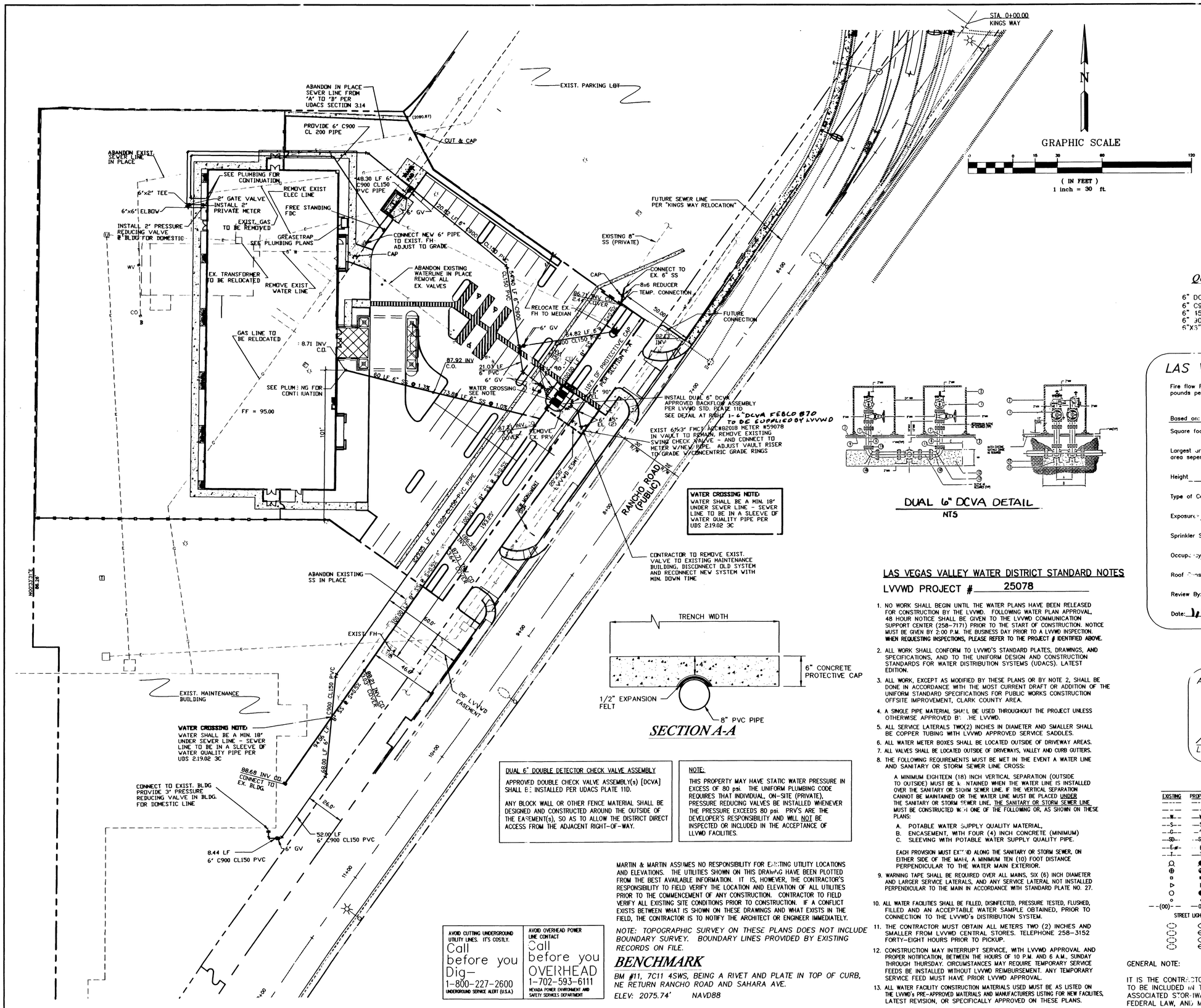

WATER CROSSING NOTE:
WATER SHALL BE A MIN. 18" UNDER SEWER LINE - SEWER LINE TO BE IN A SLEEVE OF WATER QUALITY PIPE PER UDS 2.19.02 3C

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DUAL 6" DCVA DETAIL
NTS

SECTION A-A

DUAL 6" DOUBLE DETECTOR CHECK VALVE ASSEMBLY

APPROVED DOUBLE CHECK VALVE ASSEMBLY(s) [DCVA] SHALL BE INSTALLED PER UDACS PLATE 11D.

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.

NOTE:
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. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LLVWD FACILITIES.

MARTIN & MARTIN 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 OR ENGINEER IMMEDIATELY.

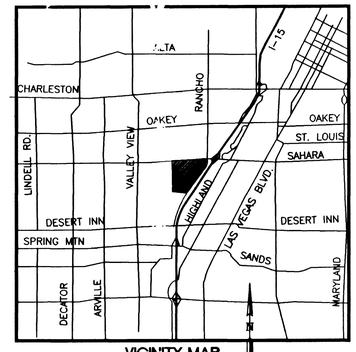
NOTE: TOPOGRAPHIC SURVEY ON THESE PLANS DOES NOT INCLUDE BOUNDARY SURVEY. BOUNDARY LINES PROVIDED BY EXISTING RECORDS ON FILE.

BENCHMARK

BM #11, 7C11 4SWS, BEING A RIVET AND PLATE IN TOP OF CURB, NE RETURN RANCHO ROAD AND SAHARA AVE.

ELEV: 2075.74' NAVD88

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.	AVOID OVERHEAD POWER LINE CONTACT
Call before you Dig— 1-800-227-2600 UNDERGROUND SERVICE ALERT (U.S.A.)	Call before you OVERHEAD 1-702-593-6111 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT



VICINITY MAP
SCALE: NONE

QUANTITIES (PUBLIC)

6" DCVA	2 EA
6" C900 CL150 PVC PIPE	56 LF
6" 15° BEND	2 EA
6" 30° BEND	4 EA
6"x3"x6" TEE	1 EA

LAS VEGAS FIRE DEPARTMENT

Fire flow Requirement is 1500 gallons per minute at 20 pounds per square inch residual.

Based on:

Square footage 19,600

Largest area between area separation walls

Height 28'

Type of Construction III N

Exposure

Sprinkler System YES

Occupancy E-3

Roof Construction

Review By:

Date: 1/10/01

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

LVVWD PROJECT # 25078

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION. **WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.**
2. ALL WORK SHALL CONFORM TO LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS). LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO(2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:

   A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

   A. POTABLE WATER SUPPLY QUALITY MATERIAL,
   B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
   C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

   EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM TEN (10) FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT HOURS PRIOR TO PICKUP.
12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M., SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

APPROVED FOR CONSTRUCTION

1/11/01

LAS VEGAS VALLEY WATER DISTRICT DATE

LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED	
		RIGHT-OF-WAY			SCREEN / RETAINING WALL
		CENTERLINE			CHAIN LINK FENCE
—W—	—W—	WATER LINE			TRASH ENCLOSURE
—S—	—S—	SANITARY SEWER LINE			GRADE BREAK
—G—	—G—	GAS LINE			WIRE FENCE
—SD—	—SD—	STORM DRAIN		FF=0.00	FINISH FLOOR
—E—#—	—E—#—	POWER LINE / POWER POLE	(0.00) C.O. INV.	0.00 C.O. INV.	CLEANOUT INVERT ELEVATION
—T—	—T—	TELEPHONE LINE	(0.00) FL	0.00 FL	FLOW LINE
		FIRE HYDRANT			
		WATER VALVE	1863.99 OR (0.00) FG	0.00 FG	FINISH GRADE
		METERS / PULL BOXES			
		REDUCER	(0.00) BSW	0.00 BSW	BACK OF SIDEWALK
		MANHOLE	(0.00) TC	0.00 TC	TOP OF CURB
		CLEANOUT	(0.00) TW	0.00 TW	TOP OF WALL
—(00)—	—00—	CONTOUR			A.C. PAVING
STREET LIGHTS					TYPE "L" CURB & GUTTER
		100 W H.P.S.			TYPE "A" CURB
		150 W H.P.S.			CONCRETE
		200 W H.P.S.			
		250 W H.P.S.			

GENERAL NOTE:

IT IS THE CONTRACTORS RESPONSIBILITY TO FILE A NOTICE OF INTENT/REQUEST TO BE INCLUDED IN THE STORM WATER GENERAL PERMIT, AND SUBMIT THE ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SPPP) AS REQUIRED BY FEDERAL LAW, AND MONITORED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION.

no	description of revisions	date	name
1	ADDED NEW SHEET TO REPLACE C5	1/5/01	

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Tel. (314) 398-8162 FAX: (314) 828-4113
E-mail: STUDIOONE@AOL.COM
ARCHITECT

MARTIN & MARTIN
CIVIL ENGINEERS
2101 SOUTH JONES BLVD., SUITE A
LAS VEGAS, NEVADA 89146
PHONE (702) 248-8000

sheet
WATER & SEWER RELOCATION PLAN

title
CHILDRENS CHOICE LEARNING CENTER
PALACE STATION CASINO

date 01-05-01
job number 1769.02
design by M. ROOT
drawn by B. HERN
checked by K. ANDERSON, P.E.

seal
KIRK S. ANDERSON CIVIL No. 3214 STATE OF NEVADA PROFESSIONAL ENGINEER

sheet
C5A
SHEET 5A OF 8
drawing number

29307

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HP DesignJet 600 Hewlett-Packard HP-GL/2 devices, ADI 4.3 - for Autodesk by HP