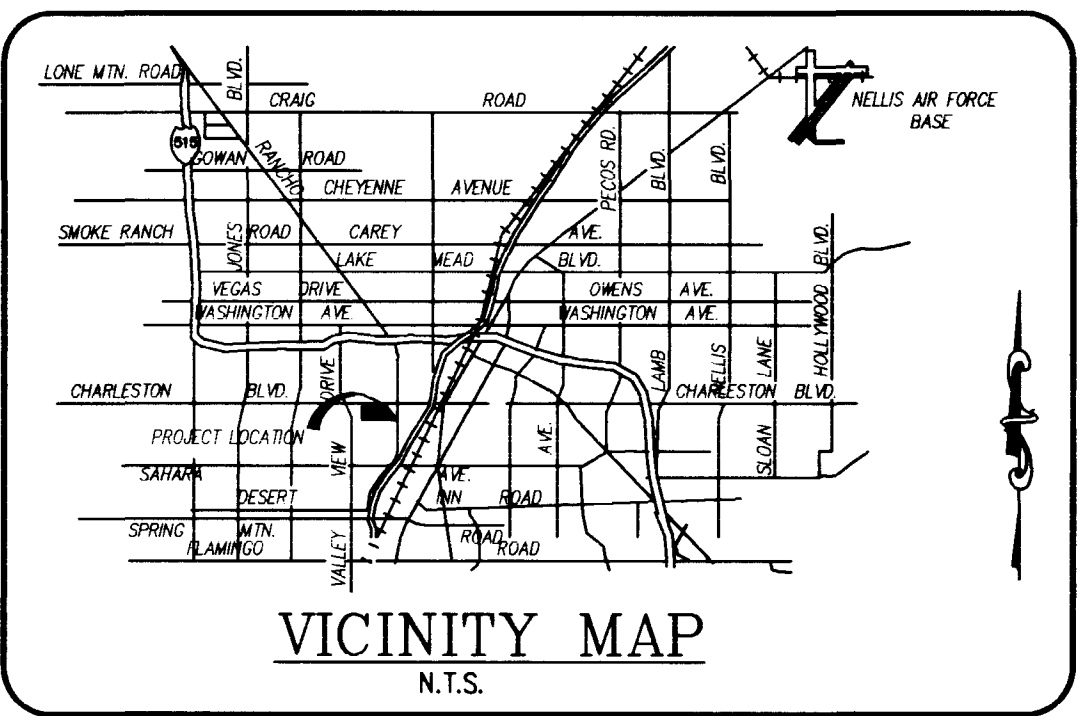


LEGEND	
	PROPERTY LINE
	CENTERLINE
	EX. 8" SEWER PIPE
	EX. 6" WATER PIPE
	EX. 4" WATER PIPE
	EX. 15" SEWER PIPE
	SAWCUT AND REMOVE
	EX. AC
	PROPOSED FIRE HYDRANT
	EX. FIRE HYDRANT
	EX. WATER VALVE
	EX. MANHOLE
	EX. GUY POLE
	EX. POWER POLE
	EX. STREET LIGHT

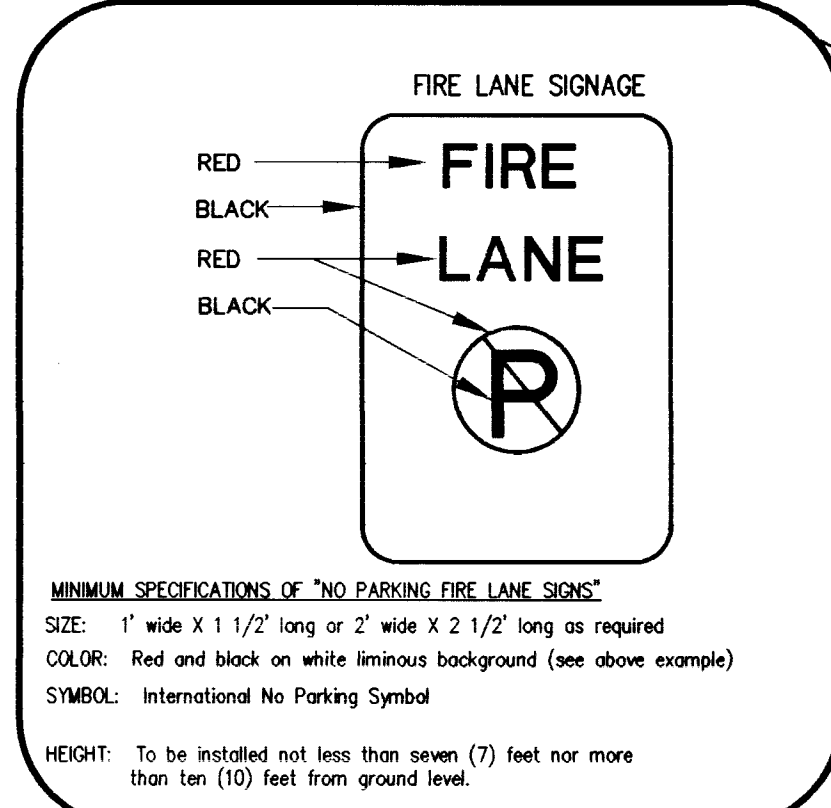
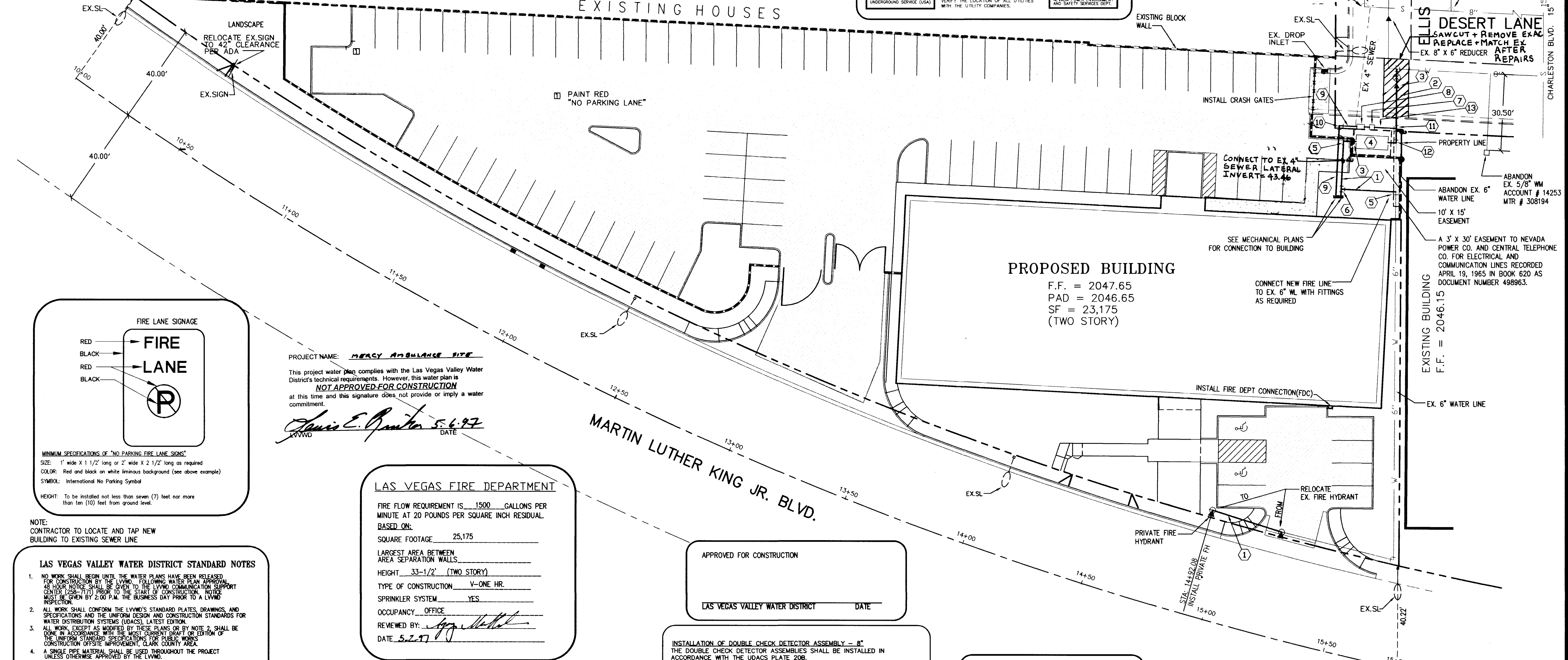
REDUCED PRESSURE PRINCIPLE ASSEMBLY - 1-1/2"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE L.V.V.W.D.

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.

CALL BEFORE YOU DIG
1-800-227-2600
UNDERGROUND SERVICE (USA)

NOTICE!
EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE ENGINEER BEARS NO RESPONSIBILITY FOR THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE STARTING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANIES.

CALL BEFORE YOU OVERHEAD
1-702-593-6111
NEVADA POWER DEPARTMENT AND SAFETY SERVICES DEPT.



PROJECT NAME: MERCY AMBULANCE SITE
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time and this signature does not provide or imply a water commitment.
James E. Hunter 5-6-97
DATE

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL. BASED ON:

SQUARE FOOTAGE 25,175

LARGEST AREA BETWEEN AREA SEPARATION WALLS

HEIGHT 33-1/2' (TWO STORY)

TYPE OF CONSTRUCTION V-ONE HR.

SPRINKLER SYSTEM YES

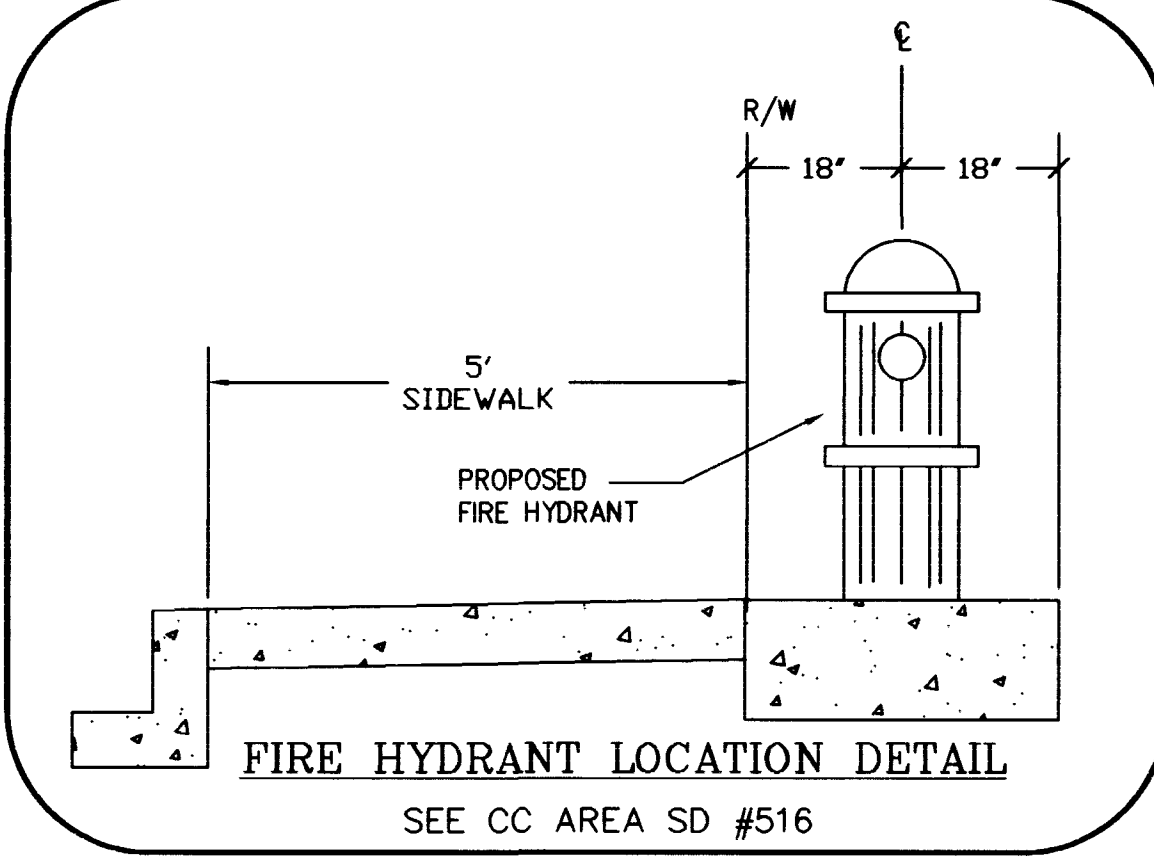
OCCUPANCY OFFICE

REVIEWED BY: *[Signature]*

DATE 5-2-97

- LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES**
- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOURS NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATIONS SUPPORT CENTER (702-717) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
 - ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
 - ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
 - A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
 - ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
 - ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 - ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB OUTLETS.
 - THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
A. 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 ON THE WATER LINE, THE WATER LINE SHALL 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. ENCASING WITH FOUR (4) INCH CONCRETE (MINIMUM)
C. SLEEPING WITH POTABLE WATER SUPPLY QUALITY PIPE
EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER LINE FOR A MINIMUM OF TEN (10) FEET.
D. THE WATER LINE SHALL BE INSTALLED AT LEAST 10 FEET DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
 - WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 21.
 - 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.
 - THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL DEPT. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
 - CONSTRUCTION MAY INTERRUPT SERVICE WITH LVVWD APPROVAL AND PROPER NOTIFICATION. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED WITH LVVWD APPROVAL. ANY TEMPORARY SERVICE FEEDS MUST HAVE PRIOR LVVWD APPROVAL.
 - 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.

UTILITY NOTES & QUANTITIES			
#	WATER	ITEM	QNTY UNIT
①	6" PVC (CLASS 150) WATER LINE		75 LF
②	INSTALL 8" (CLASS 150) WATER LINE PATCHING PER CC STD 503		35 LF
③	INSTALL 8" X 6" REDUCER		2 EA
④	INSTALL 8" DCDA PER UDACS PLATE NO. 20B		1 EA
⑤	INSTALL 6" - 90° ELBOW		2 EA
⑥	INSTALL 6" X 6" X 6" TEE		1 EA
⑦	INSTALL 1-1/2" COPPER SERVICE & METER PER PLATE NO. 1D		1 EA
⑧	INSTALL 1-1/2" RPPA PER UDS PLATE NO. 11A.		1 EA
⑨	INSTALL 1-1/2" PVC (CLASS 150) WATER LINE		40 LF
⑩	INSTALL 1-1/2" 90° ELBOW		1 EA
⑪	INSTALL 1-1/2" SADDLE TAP		2 EA
⑫	INSTALL 8" - 90° ELBOW		1 EA
⑬	INSTALL 1-1/2" COPPER PIPE		6 LF



APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
DATE

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY - 8"
THE DOUBLE CHECK DETECTOR ASSEMBLY 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.

SEWER NOTE
THE NEAREST SANITARY SEWER MAIN IS LOCATED IN DESERT LANE. THIS PROJECT WILL PRODUCE:
AVG FLOW = 850 GPD
PEAK FLOW = 2,275 GPD

LEGAL DESCRIPTION
A PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 4, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.B.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

BASIS OF BEARING
S 89°37'04" E - THE CENTERLINE OF ELLIS AVENUE AS SHOWN ON "SARATOGA MEADOWS" SUBDIVISION IN BOOK 9, PAGE 20 OF PLATS, CLARK COUNTY RECORDS, NEVADA.

BENCH MARK
7201-3354 NAVD 88
DRIVE RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF CHARLESTON BOULEVARD AND DESERT LANE.

ELEV. = 623.482 2045.54 FEET

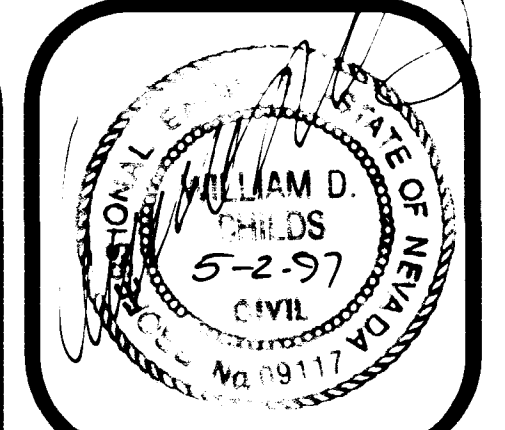
PROPERTY OWNER
HIGHLAND PARTNERSHIP
1130 S. MARTIN LUTHER KING BOULEVARD
LAS VEGAS, NEVADA 89102

ABANDONMENT OF EXISTING SERVICES 5/8"

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (PHONE 702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER AFTER THE FINAL READING, THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM EXISTING WATER MAIN SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, THE LATERAL CUT 6" DOWNSTREAM FROM THE CORPORATION STOP AND AGAIN CUT 6" DOWNSTREAM FROM THE FIRST CUT SO THAT A 6" PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD CUSTOMER SERVICE (PHONE 870-4194) FOR FURTHER DIRECTION.

THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES. FILL AND GRADE ANY AND ALL RESULTING VOIDS AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, CONCRETE SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.



DEA
DESIGN ENGINEERING ASSOCIATES
OF NEVADA, INC.
2880 MEADE AVE., SUITE 104
LAS VEGAS, NEVADA 89102
(702) 871-9069

MERCY AMBULANCE SITE
MARTIN LUTHER KING BOULEVARD
LAS VEGAS, NEVADA

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS, SPECIFICATIONS AND NOTES ARE TO BE USED ONLY IN CONNECTION WITH THESE PLANS AND NOT TO BE USED IN ANY OTHER PROJECT. ANY USE OF THESE PLANS FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER IS STRICTLY PROHIBITED EXCEPT WITH WRITTEN CONSENT OF THE ENGINEER.

REVISION	
DATE	7/12/96
JOB #	960151.000
SCALE	1" = 20'
DRAWN BY	J.G.
SECT 4	T 21 S R 61 E APN : 162-04-501-009

SHEET #
UP
3 OF 3
107-V2651

