

WATER LINE CONSTRUCTION NOTES

- 1 NOT USED
- 2 4" ELBOW
- 3 INSTALL 6"-90°ELL
- 4 NOT USED
- 5 INSTALL 6" PVC C900 WATERLINE
- 6 4" x 2" REDUCER
- 7 INSTALL FIRE HYDRANT ASSY. PER UDS PLATE 7 CONDITION "C"
- 8 6" DOUBLE CHECK DETECTOR ASSEMBLY PER UDACS, PLATE NO. 20B
- 9 INSTALL FIRE CONNECTION
- 10 2" WATERLINE
- 11 INSTALL 2" METER PER UDACS, PLATE NO. 1C
- 12 TIE-INTO EXIST 4" WATERLINE
- 13 INSTALL UNDERGROUND PRESSURE INDICATOR VALVE WITH VERTICAL INDICATOR POST.
- 14 NOT USED
- 15 INSTALL 2" RPPA PER UDACS, PLATE NO. 11A
- 16 NOT USED
- 17 INSTALL 4" TEE
- 18 REPAVE AREA PER STD. DWG. NO. 504
- 19 INSTALL 8" x 6" TAPPING SLEEVE & TAPPING VALVE
- 20 INSTALL 4" PVC C900 WATER LINE
- 21 INSTALL 8" x 4" TAPPING SLEEVE & TAPPING VALVE
- 22 INSTALL 3/4" PVC CONDUIT FROM PRESSURE INDICATOR VALVE TO TAMPER SWITCH.
- 23 INSTALL 6" CHECK VALVE
- 24 NOT USED
- 25 ABANDON EXIST. 4" LATERAL PER UDACS STD. SPECIFICATIONS 2.14.04 B

QUANTITIES CONTINUED

4" WATER LINE	110 LF
6" WATER LINE	55 LF
6" DOUBLE CHECK DETECTOR ASSEMBLY	1 EA.
2" METER PER UDACS PLATE 1C	1 EA.
2" RPPA BACKFLOW PREVENTION DEVICE	1 EA.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 1-B

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.

REDUCED PRESSURE PRINCIPLE ASSEMBLY - 2

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDS STANDARD PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED.

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

NOTES :

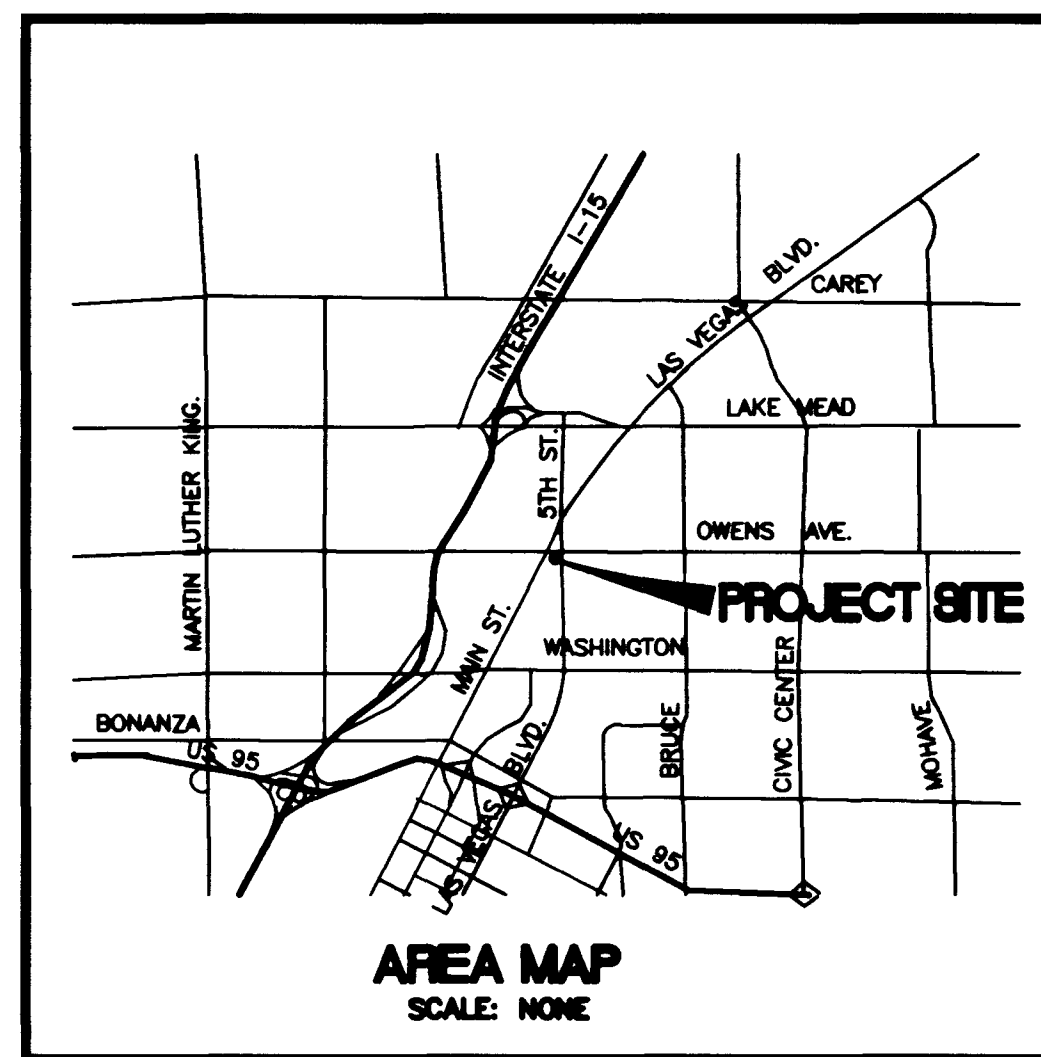
1. FOR SEWER LATERAL LOCATIONS INTO MAIN, SEE SHEET 7
2. TRAFFIC DETECTOR LOOPS SHALL BE PROTECTED, IF DAMAGED, THEY WILL BE REPLACED. NO DETECTOR LOOPS ARE VISUALLY APPARENT & THEY MAY NOT BE ANY EXISTING LOOPS.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 2125 gallons per minute at 20 psi residual pressure.

BASED ON:

SQUARE FOOTAGE	55700	SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS	55700	SQUARE FEET
BUILDING HEIGHT :	31	FEET
NUMBER OF STORIES :	2 and 3	FLOORS
TYPE OF CONSTRUCTION :	TYPE V - 1 HR.	
OCCUPANCY :		
FULL AUTOMATIC FIRE SPRINKLER SYSTEM :	YES	
REVIEWED ON	7/6/98	
DATE:	7/6/98	



TO BE CONSTRUCTED	EXISTING	TO BE CONSTRUCTED	EXISTING
PROPERTY LINE	---	SCREEN / RETAINING WALL	N/A
FLOWLINE	---	OVERHEAD POWER	N/A
CENTERLINE	---	TRAFFIC SIGNAL BOX	N/A
WATER LINE	---	GRADE BREAK	N/A
SANITARY SEWER LINE	---	WIRE TONG	N/A
GAS LINE	---	FINISH FLOOR	FF=4.00
STORM DRAIN	---	BUILDING	---
POWER LINE / POWER POLE	---	FINISH GRADE	---
TELEPHONE LINE	---	DRIVEWAY APRON	---
FIRE HYDRANT	---	CUT OR FILL SLOPE	---
WATER VALVE	---	A.C. PAVING	---
METERS / PULL BOXES	---	TYPE "L" CURB & GUTTER	---
REDUCER	---	TYPE "A" CURB	---
MANHOLE	---	CONCRETE	---
MISC. SYMBOLS	---	STUB OUT	---
CONTOUR	---		

100 W.H.P.S.
150 W.H.P.S.
200 W.H.P.S.
250 W.H.P.S.

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

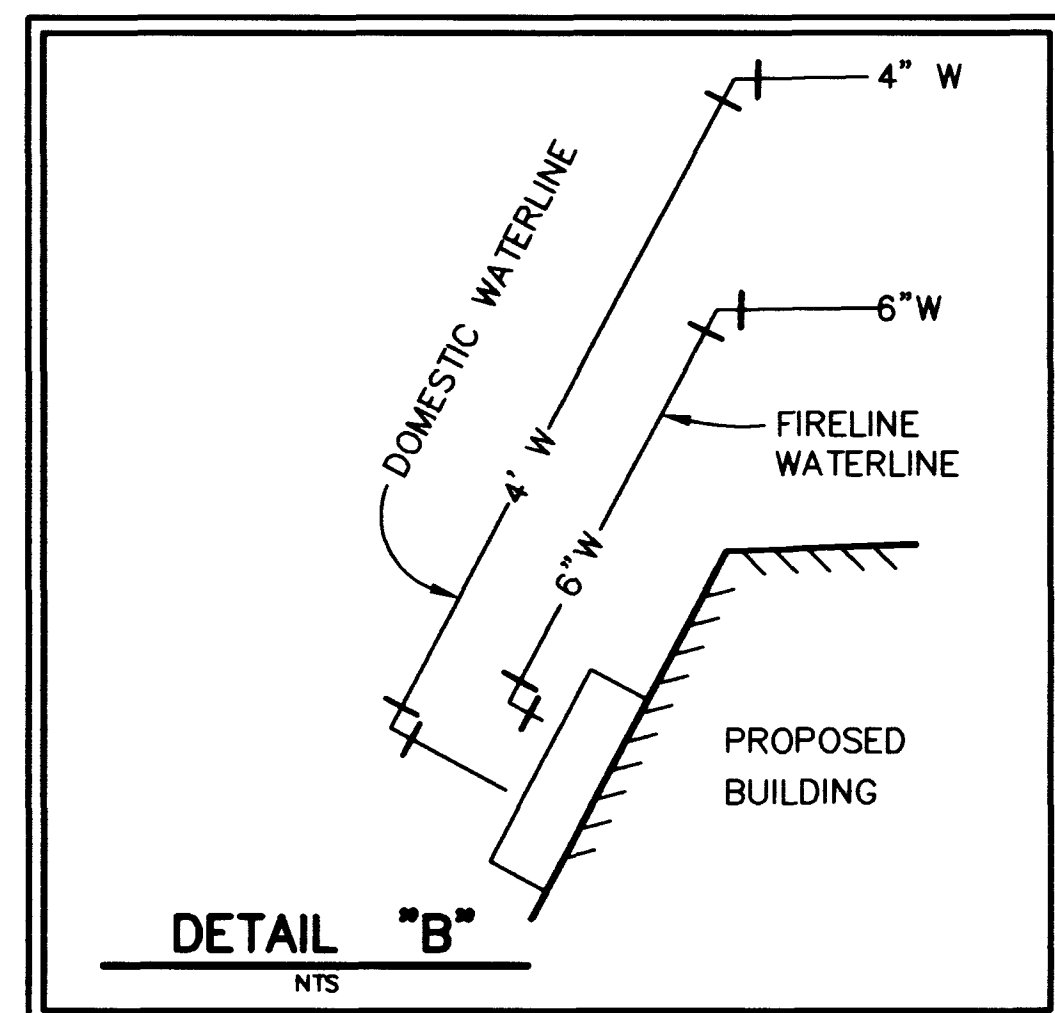
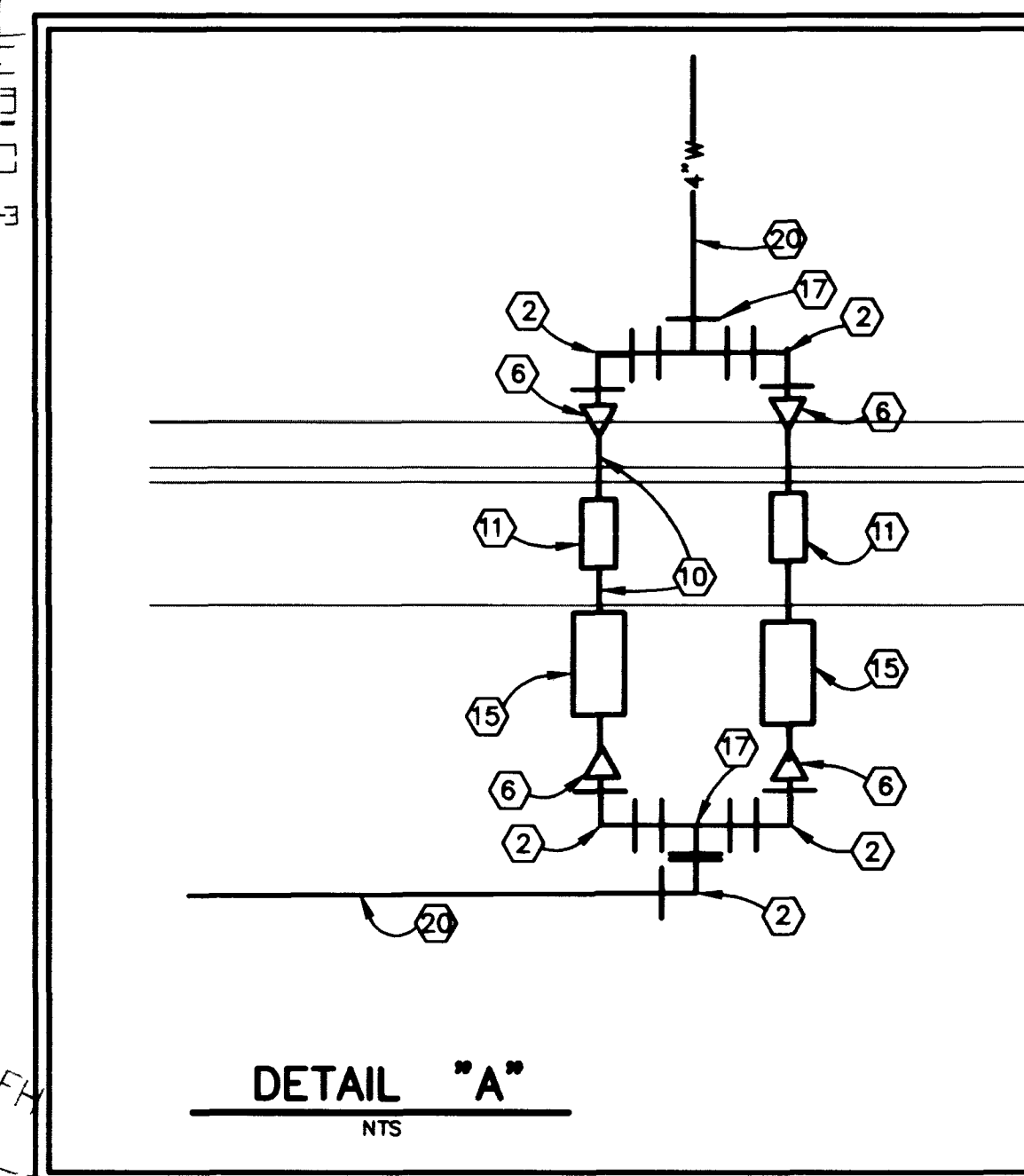
MARTIN & MARTIN ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE 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.

BASIS OF BEARINGS

S 00°10'16"W, BEING THE CENTERLINE OF LAS VEGAS BOULEVARD AS PER RECORD OF SURVEY FILE 67, PAGE 24, CLARK COUNTY RECORDER'S OFF., CLARK COUNTY, NEVADA

BENCHMARK

2LV01 22S5E6 BEING A RIVET & PLATE IN TOP OF CURB, NE RETURN OWENS AVE. AND MAIN STREET.
ELEV. 1904.91'(580.62 METERS) NAVD88



SEWER CONTRIBUTIONS

FIXTURE UNITS	983 F.U.
AVERAGE DEMAND	21,000 G.P.D.
PEAK DEMAND	69,300 G.P.D.

7.23.98
CITY OF NORTH LAS VEGAS MAINTENANCE OPERATIONS DIVISION

7/23/98
CITY OF NORTH LAS VEGAS DEVELOPMENT DIVISION (UTILITIES)
KELLY R. CHUMA P.E.
MANAGER OF DEVELOPMENT AND FLOOD CONTROL

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION; A COMMITMENT TO SUPPLY WATER SERVICE; OR AN APPROVAL OF ANY VIOLATION OF ONLY WATER SERVICE DISTRICT RULES AND REGULATIONS OR DESIGN CONSTRUCTION STANDARDS.

UTIL-PL.dwg 7-1-98 2:34:44 pm

ST. VINCENT'S HELP.
808 SOUTH MAIN STREET
LAS VEGAS, NEVADA 89101
(702) 385-2662

MASTER UTILITY PLAN

DRAWN BY: E. WREY
DESIGNED BY: E. WREY
CHECKED BY: K. ANDERSON
PROJECT NO. 160901

12/16/97
12/16/97
12/17/97
SCALE: 1" = 20' HOR
160901

SHEET C5
5 OF 8 SHEETS
C.L.V.DRAWING NO.
107V2848

SAINT VINCENT'S H.E.L.P.
ONE & TWO HOUSING UNITS

MARTIN & MARTIN

1908 SOUTH JONES BLVD.
SUITE B
LAS VEGAS, NEVADA 89102
PHONE (702) 248-8000
FAX (702) 248-8070

REGISTERED PROFESSIONAL ENGINEER
KIRK S. ANDERSON
CIVIL
No. 5714 EXPIRES 12/31/98

