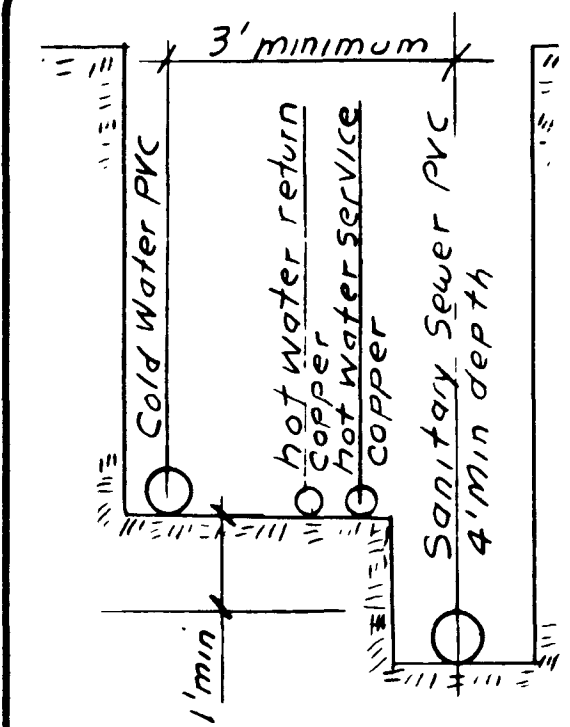
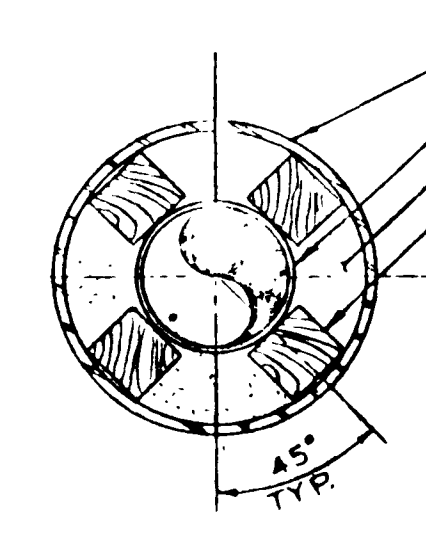




NOTE
The existing 6" ACP water lines in Michael Way are to be lowered 1' domestic service to be maintained. First by a temporary connection to 8" line & then by permanent connection to 6" line. Fire Hydrant to be reconnected to new 6" line.



PIPE CASING - 12" STEEL
NEW PIPE (6" ACP)
SAND BACKFILL
REDWOOD X-LIDS
BANDIED TO ACP
4" END OF
PIPE JOINT (4" x 4" x 5")
NOTE: ALL CASINGS ARE
TO BE SYMMETRICAL
ABOUT THE C/L OF PIPE

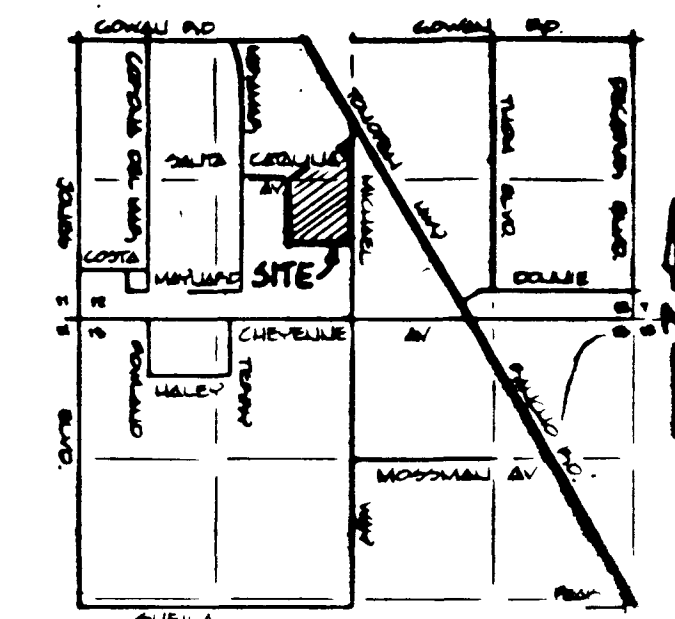
LEGEND & QUANTITY ESTIMATE

Public Quantities

1	Std Fire Hydrant Assy w/G GV	3 EA
2	6" 3" F.M.T. By Others	1 EA
3	8" x 6" Tee	1 EA
4	8" 45° Bend	4 EA
5	6 GV	1 EA
6		

Private System Quantities

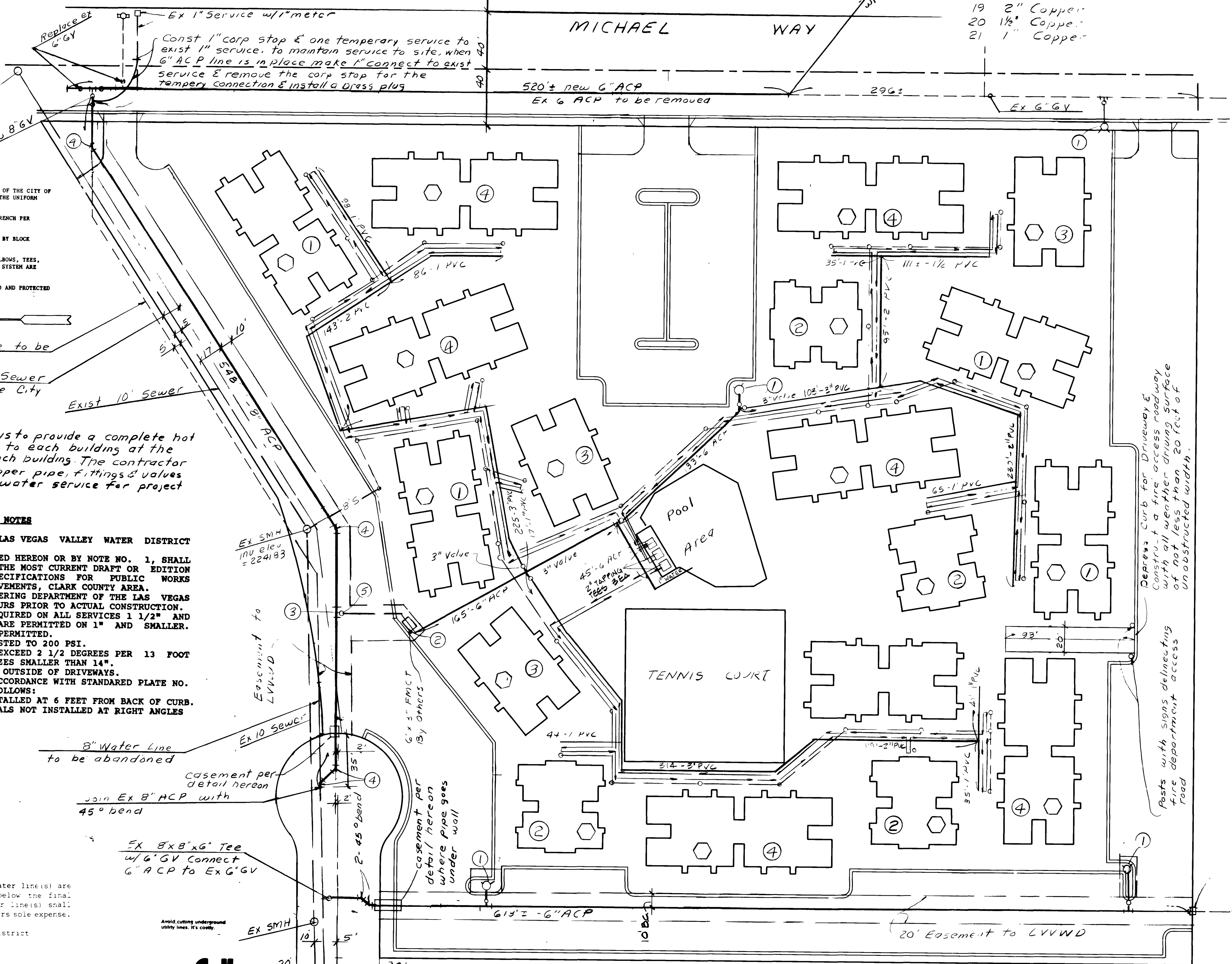
10	Raypack Boiler's Model	3 EA
11	Std Fire Hydrant Assy w/G GV	1 EA
12	6" PVC Water (cold)	298 LF
13	3" PVC	225 LF
14	2" PVC	1123 LF
15	1 1/2" PVC	111 LF
16	1" PVC	380 LF
17	6 Gate Valve	1 EA
18	6" x 6" Tee	1 EA



VICINITY MAP

TYPICAL TRENCH DETAIL

hot water service to be insulated per owners specifications

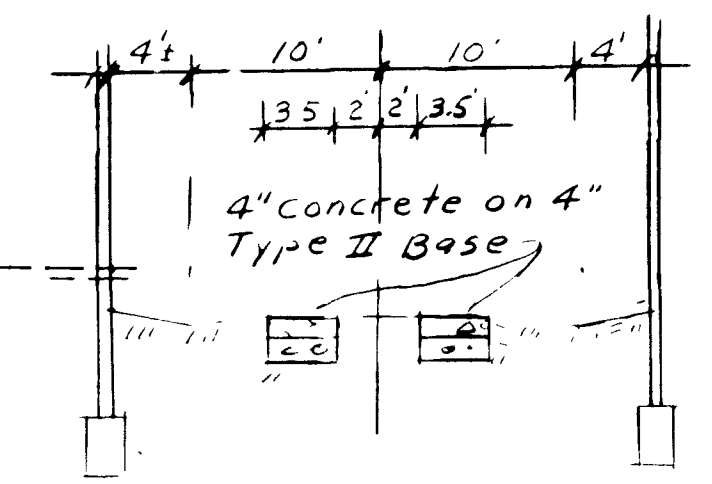


1. ALL ON-SITE CONSTRUCTION TO CONFORM TO THE REQUIREMENTS OF THE CITY OF LAS VEGAS BUILDING DEPARTMENT AND THE 1979 EDITION OF THE UNIFORM PLUMBING CODE.
2. ALL HOT WATER LINES (COPPER PIPE) TO BE INSULATED IN TRENCH PER REQUIREMENTS OF THE OWNER.
3. RAYPACK BOILERS TO BE SET ON CONCRETE PAD AND ENCLOSED BY BLOCK WALLS WITH A PADLOCKED GATE PER REQUIREMENTS.
4. ALL OTHER ITEMS NOT LISTED SUCH AS VALVES, FITTINGS, ELBOWS, TEES, SERVICE LATERALS, ETC., REQUIRED TO COMPLETE THE WATER SYSTEM ARE TO BE CONSIDERED AS PART OF THE ESTIMATE.
5. THE ON-SITE FIRE HYDRANTS TO HAVE A 3' x 3' CONCRETE PAD AND PROTECTED BY 4" DIAMETER CONCRETE FILLED VALLARD POSTS.

NOTE

The fire department access roadway is to have an all weather driving surface of not less than 20 feet of unobstructed width and a 13'-6" of vertical clearance per the Uniform Fire Code Section 10.207. The access roadway surface is to be approved by the City of Las Vegas Fire Department.

The City of Las Vegas Fire Department Access Roadway is to be two (2) strips of concrete 3.5' wide with a 4' landscaped strip between the 2 concrete strips per detail below. The landscaping in the 20' area to be grass or low shrubs.



Fire Access Road NOTE

1. Call the Las Vegas Fire Dept at 383-2588 for underground inspection, pressure & flush verification of all fire hydrants and fire lines before covering.
2. Fire Hydrants to be installed prior to construction per City of Las Vegas Fire Department.
3. Authorized Fire Hydrants for project are:
A. Kennedy Guardian
B. Mueller A-423 Centurian
Las Vegas Fire Department

Existing casement per Phase I

EXISTING 6" ACP

LAS VEGAS VALLEY WATER DISTRICT NOTES

1. ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT STANDARD PLANS.
2. ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO. 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
3. NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
4. SERVICE SADDLES WILL BE REQUIRED ON ALL SERVICES 1 1/2" AND LARGER. TAPPED COLLARS ARE PERMITTED ON 1" AND SMALLER. DOUBLE TAP COLLARS ARE NOT PERMITTED.
5. ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
6. DEFLECTION ANGLE SHALL NOT EXCEED 2 1/2 DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14".
7. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
8. DETECTOR TAPE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED AND AS FOLLOWS:
A. ABOVE ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.
B. ABOVE ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.

CONDITION OF APPROVAL:
If the top of existing water line(s) are not a minimum of 36" below the final finished grade, the water line(s) shall be lowered at the developer's sole expense.
Las Vegas Valley Water District

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE JAPAN

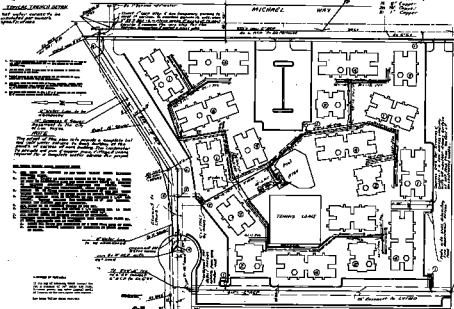
APPROVALS

[Signature] 3/12/87 CLV LAND DEVELOPEMENT
[Signature] 3/19/87 L.V.V.W.D.
[Signature] 3/19/87 C.L.V. FIRE MARSHALL
DATE DATE DATE

BENCH MARK
C.L.V. BM #0802482, BOLT & PLATE
AT TC SW CORNER OF MICHAEL WAY
& SMOKE RANCH ROAD.
ELEVATION: 2226.5'

REVISION 1. 3/12/87 2. 3/15/87 3. 3/19/87		DATE 3/12/87 3/15/87 3/19/87	BY [Signature] [Signature] [Signature]	PROJECT MOUNTAIN VIEW APARTMENTS PHASE 2	TITLE MASTER WATER PLAN
NO. NO. 2920-2 BY CRJDLA & RS DATE JAN 1987 SCALE 1" = 40'		SHEET 6 OF 7 SHEETS			

CONSULTING ENGINEERS - PLANNERS
 2300 PASEO DEL PRADO, BUILDING A, SUITE 100
 LAS VEGAS, NEVADA 89102 PHONE (702) 873-7550
 nevada



- 1. Staff Plan (a) Major Fire Dept. will take the responsibility for maintaining protection of their own plant and off site area and also will perform training.
- 2. Fire Hydrants to be installed in appropriate part of City of San Diego San Diego Co.
- 3. Additional Fire Hydrants to be proposed are:
 - a. Assembly Grounds
 - b. Reader 4-WG Conference

Los Angeles Fire Department

2. $\frac{1}{2} \times 100 = 50$

SECRET

APPROVALS
 [Signature] [Signature] [Signature]
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