

WATER NOTES

- All work to conform to Las Vegas Valley Water District standard plates.
- 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.
- Notice to be given Engineering Department of the Las Vegas Valley Water District 48 hours prior to actual construction.
- Service saddles or tapped collars will be required on all services, double tap collars are not permitted.
- All lines to be pressure tested to 200 psi.
- All valve boxes shall have concrete collars at surface of paved areas. (SEE DETAIL ON SHEET C.)
- Deflection angle shall not exceed 2 1/2 degrees per 13 foot section of pipe for pipe sizes smaller than 14 inches and shall not exceed 2 degrees for pipe sizes between 14" and 16".
- All meters shall be located outside of driveways.

WATER NOTES CONT'D.

- Detector tape required in accordance with Standard Plate No. 27 where indicated and as follows:
 - Over all mains not installed at 6 feet from back of curb.
 - Over all service laterals not installed at right angles to mains.
- Service laterals for lots will be tapped on existing main by owner's contractor under direction of the Las Vegas Valley Water District.

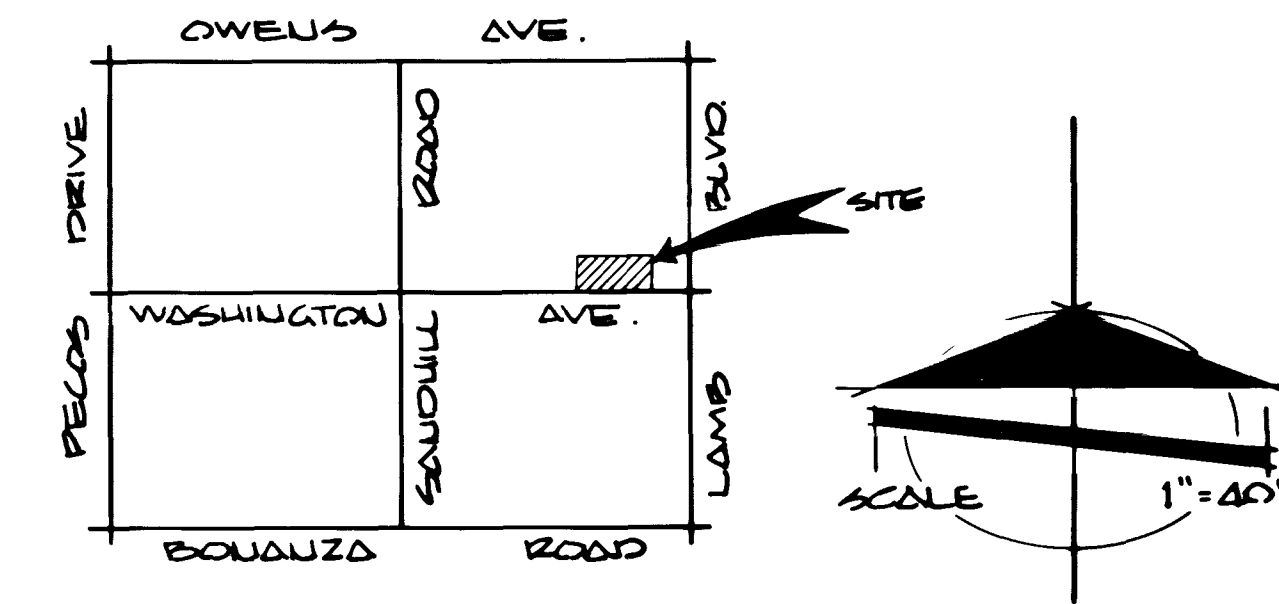
UTILITY NOTE

The location of underground utilities shown hereon has been determined from surface evidence of their existence or from information obtained from the utility companies. The Engineer accepts no liability for the existence or non-existence of utility lines (contractors) and others using this map must confirm the location of underground lines or structures with the utility companies prior to commencing any excavation.

CALL BEFORE YOU DIG 1-800-221-2600

NOTE

FOR DETAIL OF CONCRETE WATER VALVE COLLAR SEE SHEET C-B.

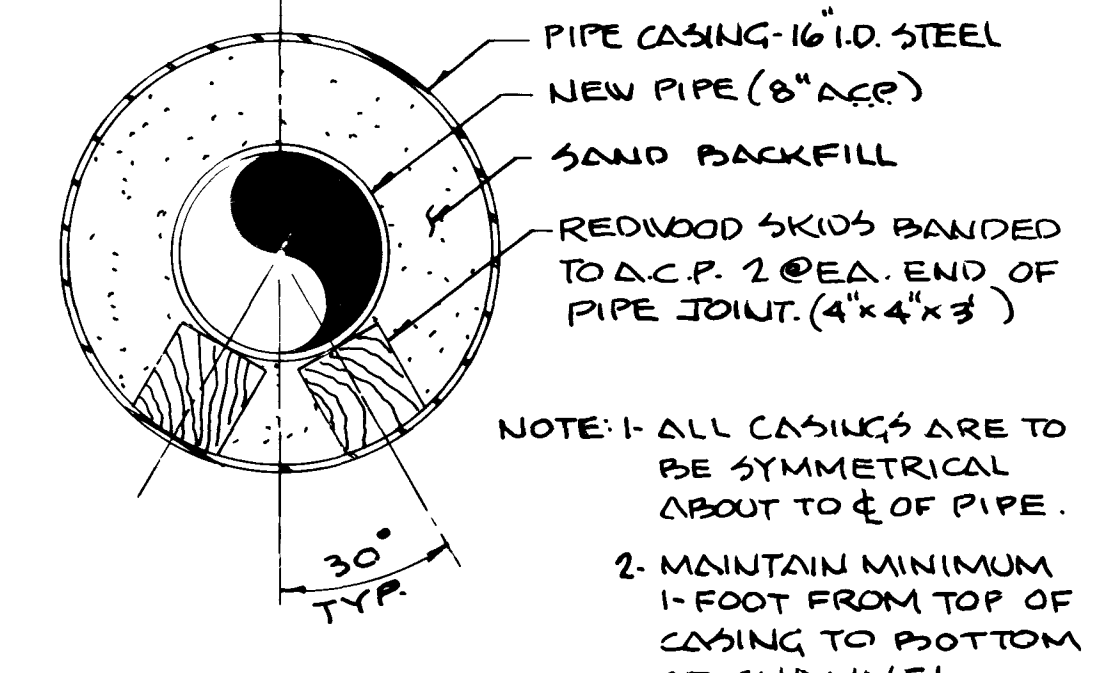
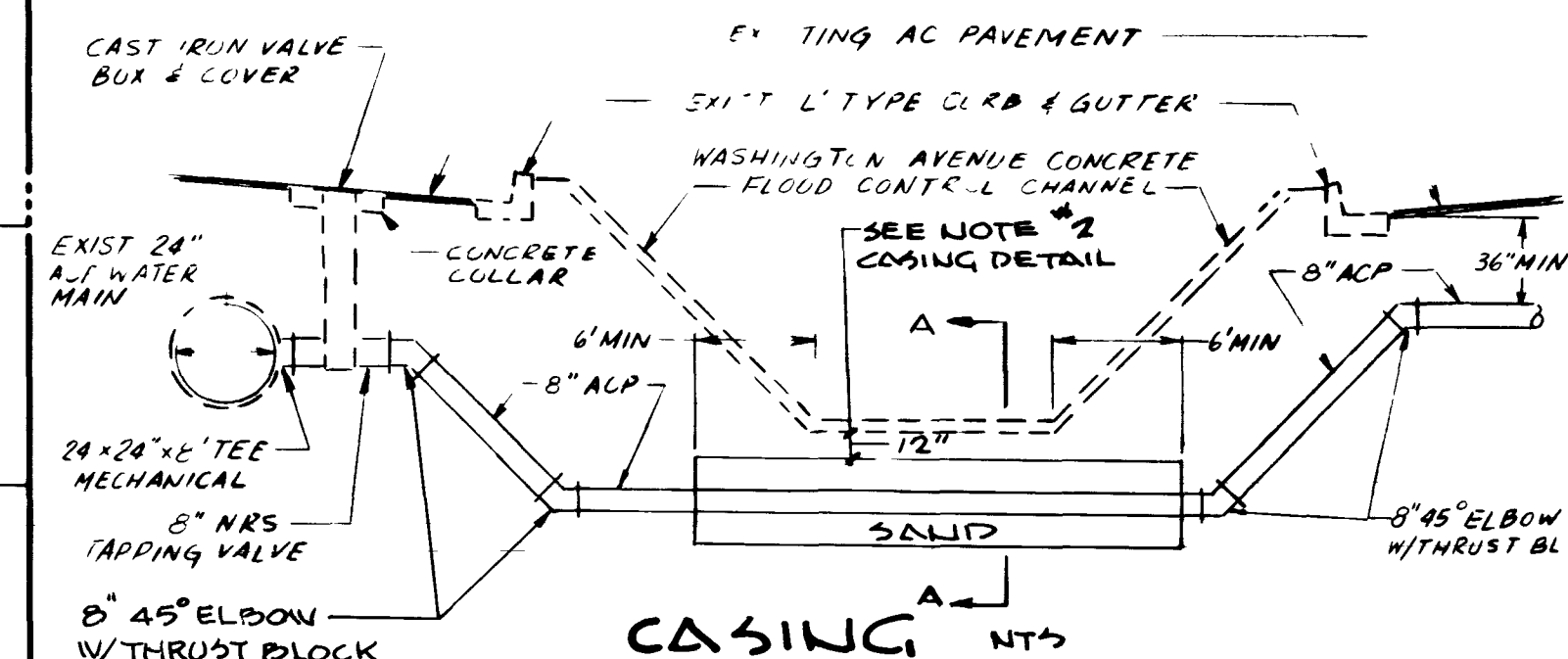
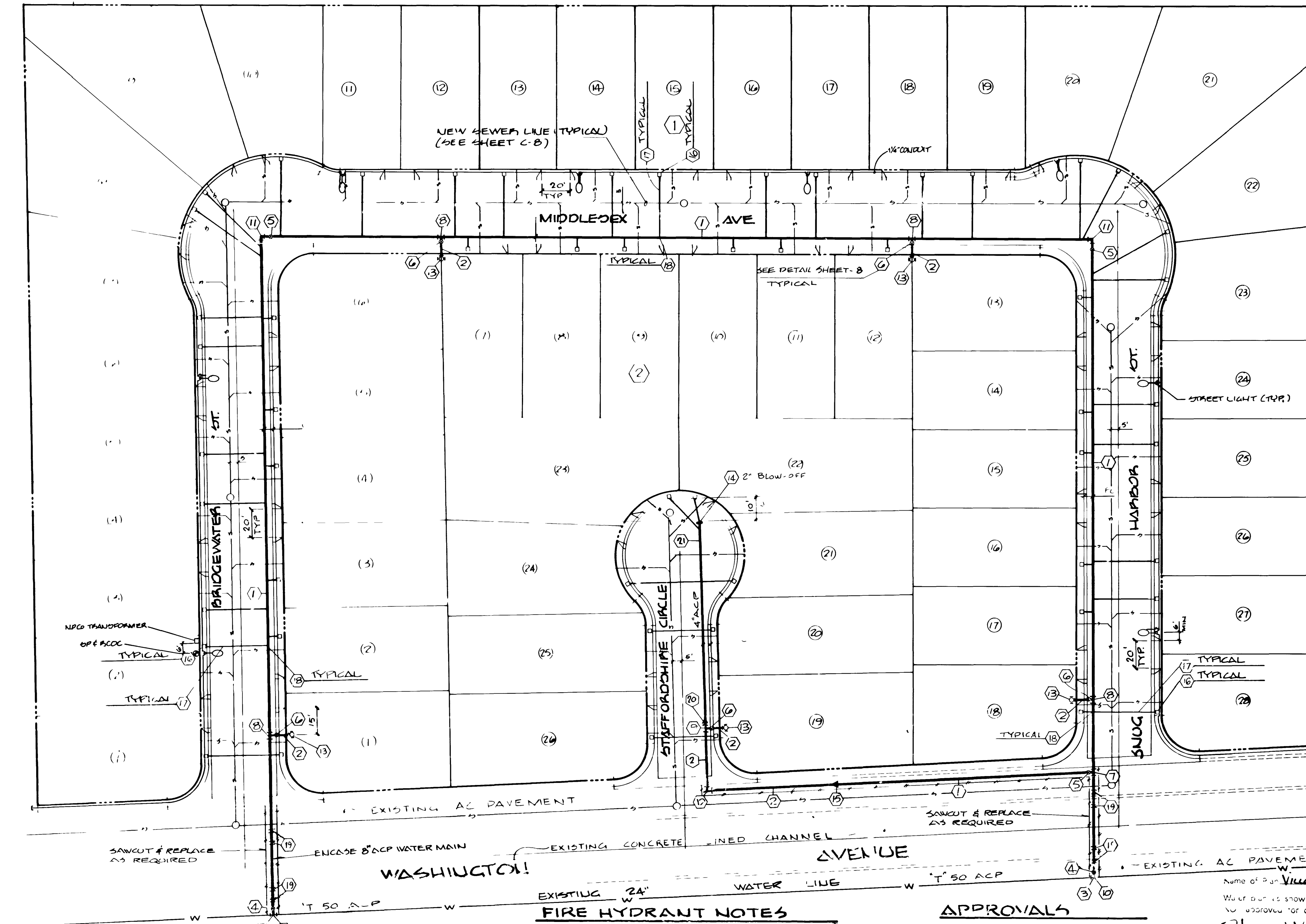


VICINITY MAP

ESTIMATED QUANTITIES

1 8" ACP WATER LINE	1695 LF
2 6" ACP WATER LINE	215 LF
3 24" X 24" X 8" TAPPING TEE W/THRUST BLOCK	2 EA.
4 8" TAPPING VALVE W/VALVE BOX & COVER	2 EA.
5 8" MRS GATE VALVE W/VALVE BOX & COVER	3 EA.
6 6" MRS GATE VALVE W/VALVE BOX & COVER	5 EA.
7 8" X 8" X 8" TEE W/THRUST BLOCK	1 EA.
8 8" X 8" X 6" TEE W/THRUST BLOCK	4 EA.
9 8" X 6" X 6" TEE W/THRUST BLOCK	1 EA.
10 WET TAP	2 EA.
11 8" 90° ELBOW W/THRUST BLOCK	2 EA.
12 6" 90° ELBOW W/THRUST BLOCK	1 EA.
13 FIRE HYDRANT ASSEMBLY COMPLETE	5 EA.
14 4" CAP W/BLOW-OFF W/THRUST BLOCK	1 EA.
15 8 X 6" REDUCER W/THRUST BLOCK	1 EA.
16 WATER METER BY LAS VEGAS VALLEY WATER DISTRICT	54 EA.
17 SERVICE LINE (PE)	1504 LF.
18 SERVICE CONNECTION	54 EA.
19 8" 45° ELBOW W/THRUST BLOCK	8 EA.
20 6" X 4" REDUCER W/THRUST BLOCK	1 EA.
21 4" ACP WATER LINE	140 LF

SAWCUT, REPLACE AND REMOVE CHANNEL AS REQUIRED



SECTION A-A
NOT TO SCALE (N.T.S.)

NOTE:

- STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES, CONFORMING TO THE REQUIREMENTS OF ASTM A283, GRADES B, C, OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE GROUNDED TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH ANSVA C201; ANSVA STANDARD FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE. COATINGS FOR STEEL CASING ARE NOT REQUIRED.
- PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
- THE PIPE SHALL BE SUPPORTED AT EACH END OF EACH JOINT WITH SKIDS. THE ANNUAL SPACE BETWEEN THE PIPE AND THE CASING SHALL BE BACK FILLED WITH SAND. AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH MORTARED BRICK OR CEMENT BRICK.

GENERAL NOTE

All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction Off-site Improvements, Clark County Area Nevada", issued 1978; the "Uniform Standard Drawings for Public Works Construction, Clark County Area"; any other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all Local City Codes and

FIRE HYDRANT NOTES

- All work shall be done in strict accordance with City of Las Vegas Standard Specifications.
- All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications" and "Hydrant Installation Specifications".
- On any new home or building construction, accessible fire hydrants shall be installed before actual construction commences and said fire hydrants shall be in good working order with an adequate water supply.
- Painting of curbs and/or striping of asphalt protection of hydrants from physical injury per City Fire Department "Hydrant Installation Specifications" shall be completed before approval of the hydrants by the City of Las Vegas Fire Department can be obtained.

APPROVALS

Name of Plan: Village at Washington
 Date: 3-22-82
 CLV CITY ENGINEER: [Signature]
 CLV FIRE MARSHALL: [Signature]
 CLV QUALITY CONTROL ENGINEER: [Signature]
 LAS VEGAS VALLEY WATER DISTRICT

REVISIONS: 1-1-82, 2-1-82, 3-22-82
 THE NOVA GROUP
 BAUGHMAN & TURNER
 MINING ENGINEERS
 LAND SURVEYORS
 3225 WEST CHARLESTON BOULEVARD
 LAS VEGAS, NEVADA 89102
 WATER PLANT
 SECTION 50, TOWNSHIP 20 SOUTH, RANGE 12 EAST, M.D. 5000
 CITY OF LAS VEGAS
 VILLAGE AT WASHINGTON
 SHEET 3 OF 3
 PROJ. NO. 5674-3215

WATER NOTES

1. All work to be done in the water shall conform to the following specifications:
2. **STEEL PIPE** - All steel pipe to be used shall be of the standard weight and shall conform to the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
3. **STEEL JOINTS** - All steel joints shall be made in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
4. **WELDING** - All welding shall be done in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
5. **PAINTING** - All steel pipe and joints shall be painted with a heavy coat of red lead paint.
6. **INSULATION** - All steel pipe and joints shall be insulated with a heavy coat of asbestos insulation.
7. **TESTING** - All steel pipe and joints shall be tested in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
8. **INSTALLATION** - All steel pipe and joints shall be installed in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.

WATER NOTES CONT'D

9. **VALVES** - All valves shall be of the standard weight and shall conform to the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
10. **FLANGES** - All flanges shall be of the standard weight and shall conform to the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
11. **WELDS** - All welds shall be made in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.

UTILITY NOTES

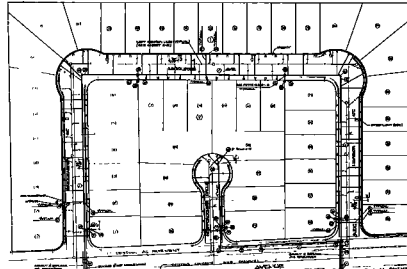
1. All utility lines shall be shown on this plan.
2. All utility lines shall be shown in accordance with the specifications of the American Institute of Steel Construction, Inc., New York, N.Y.
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6445, Standard was used on this plan.

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**VICINITY MAP****ESTIMATED QUANTITIES**

DESCRIPTION	QUANTITY	UNIT
1. Steel pipe	100	ft.
2. Steel joints	10	each
3. Welding	100	hr.
4. Painting	100	sq. ft.
5. Insulation	100	sq. ft.
6. Testing	100	hr.
7. Installation	100	hr.
8. Valves	10	each
9. Flanges	10	each
10. Welds	100	hr.

**SECTION A-A****GENERAL NOTES**

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SECURITY & UTILITY
 PROJECT NO. 6445
 DRAWING NO. 6445-1
 SHEET NO. 1 OF 1
 DATE: 10/1/54
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]