

WATER QUANTITIES

1	WET TAP	1	EA.
2	24" X 24" X 8" TAPPING TEE	1	EA.
3	8" TAPPING VALVE W/ BOX & COVER	1	EA.
4	8" A.C.P. WATER LINE	562	LF
5	8" X 8" X 6" TEE	1	EA.
6	6" U.R.S. GATE VALVE W/ BOX & COVER	1	EA.
7	6" A.C.P. WATER LINE	12	LF
8	FIRE HYDRAULIC ASSEMBLY	1	EA.
9	1" SERVICE COLLECTION	4	EA.
10	1" SERVICE LINE (COPPER)	456	LF
11	1" WATER METER BY L.V.V.W.D.	4	EA.
12	13" STUB, PLUG & THRUST BLOCK	1	EA.
13	8" U.R.S. GATE VALVE W/ BOX & COVER	1	EA.
14	2" BLOW OFF ASSEMBLY	1	EA.

WATER LINE NOTES

- All work to conform to Las Vegas Valley Water District standard plates.
- All work except as modified herein or by Note No. 3 shall be done in accordance with the most current draft or addition 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.
- Deflection angle shall not exceed 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.
- Detector taps 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 angle 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.

FIRE HYDRAULIC NOTES

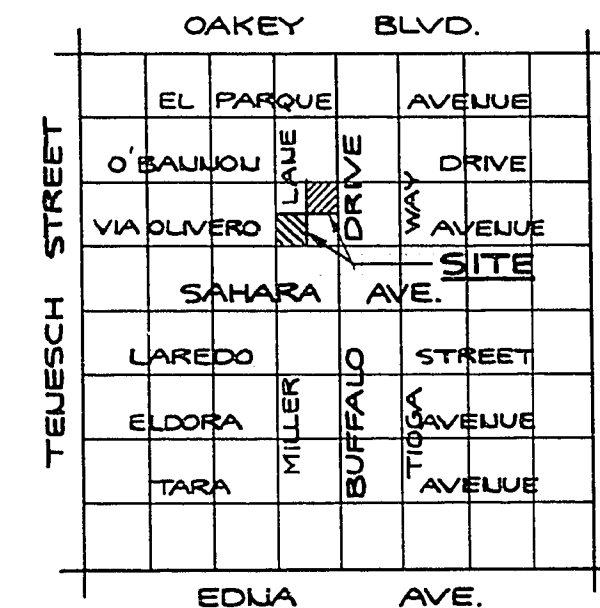
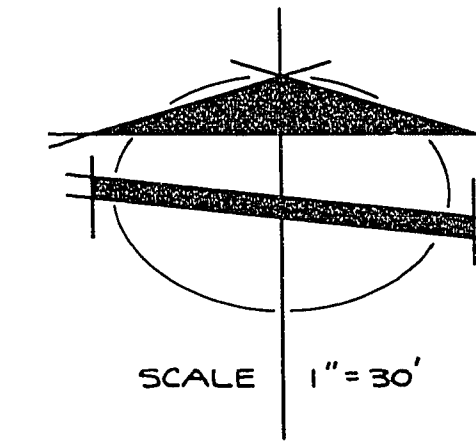
- All work shall be done in strict accordance with City of Las Vegas Standard Specifications.
- All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications" and "Hydrant Installation Specifications".
- On any new home or building construction, accessible fire hydrants shall be installed before actual construction commences and each fire hydrant shall be in good working order with an adequate water supply.
- Painting of the curbs and/or stripping 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.

UTILITY NOTE

The location of underground utilities shown herein 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 of structures with the utility companies prior to commencing any excavation.

BENCH MARK

B.M. # C105W03 - BRASS CAP AT THE INTERSECTION OF SAHARA AVE. & BUFFALO DRIVE.
ELEV. = 2519.97 C.C.E.D. DATUM



VICINITY MAP
NO SCALE

CURVE DATA

NO.	R	Δ	L	T
1	15.00'	84° 27' 22"	22.11	13.62'
2	45.00'	84° 31' 07"	66.38'	40.89'
3	45.00'	95° 28' 53"	74.99'	49.53'
4	45.00'	44° 30' 48"	34.96'	18.42'
5	45.00'	55° 28' 34"	43.57'	23.66'
6	25.00'	49° 59' 41"	21.81'	11.66'
7	25.00'	49° 59' 41"	21.81'	11.66'

LEGEND

- PROPERTY LINE
- STREET CENTERLINE
- LOT LINE
- EASEMENT LINE
- NEW CONCRETE
- NEW A.C. PAVEMENT
- EXISTING ELEVATION
- DESIGN ELEVATION
- EXISTING CONTOUR
- CURVE NUMBER
- FOUND 2" X 2" HUB & TACK
- LOT NUMBER
- SETBACK LINE
- POINT FOUND AS NOTED
- DESIGN SWALE

GENERAL NOTES

- 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", City of Las Vegas, any other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all local City Codes and Ordinances Applicable.
- The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of the available records. To the best of our knowledge there are no existing utilities except as shown on these drawings. The contractor is required to take precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these drawings.
- All grades are referenced to the top of the construction grade stakes or nails and this rule shall be observed. Three consecutive construction grade stakes or nails corresponding to three consecutive points shown on the approved plans as a straight grade shall be used in common and any variation shall be reported in writing before work proceeds. Contractors doing otherwise shall proceed at their total risk and responsibility.
- The quantity estimates shown herein are approximate and no one is to rely upon them for pay quantities. Each and every contractor shall have a set of approved plans and specifications on the job site at all times and shall rely upon them to a higher degree than the construction stakes in prosecuting the work.
- All construction shall be as shown on these plans, any alterations shall have the prior approval of the City Engineer.
- Contractor shall provide all necessary horizontal and vertical transitions for proper drainage, extent of transition shall be as shown or as determined by City Engineer or Inspector.
- If any curb grades are shown on plans at less than 0.50%, it is required by this office that the forms be checked by a survey crew prior to concrete placement. A 48 hour notification of work is required, and if this office is not notified, it will assume no responsibility for finished product.

APPROVALS

Clayton
C.L.V. ENGINEER
DATE 10-7-86

N/A (THIS SHEET)
C.L.V. SANITATION ENGINEER
DATE

David A. Donnelly
LAS VEGAS VALLEY WATER DIST.
DATE 10/15/86

Samuel B. Papp
C.L.V. FIRE MARSHALL
DATE 9-4-86

BE. Gilpin
C.L.V. LAND DEVELOPMENT
DATE 7-30-86

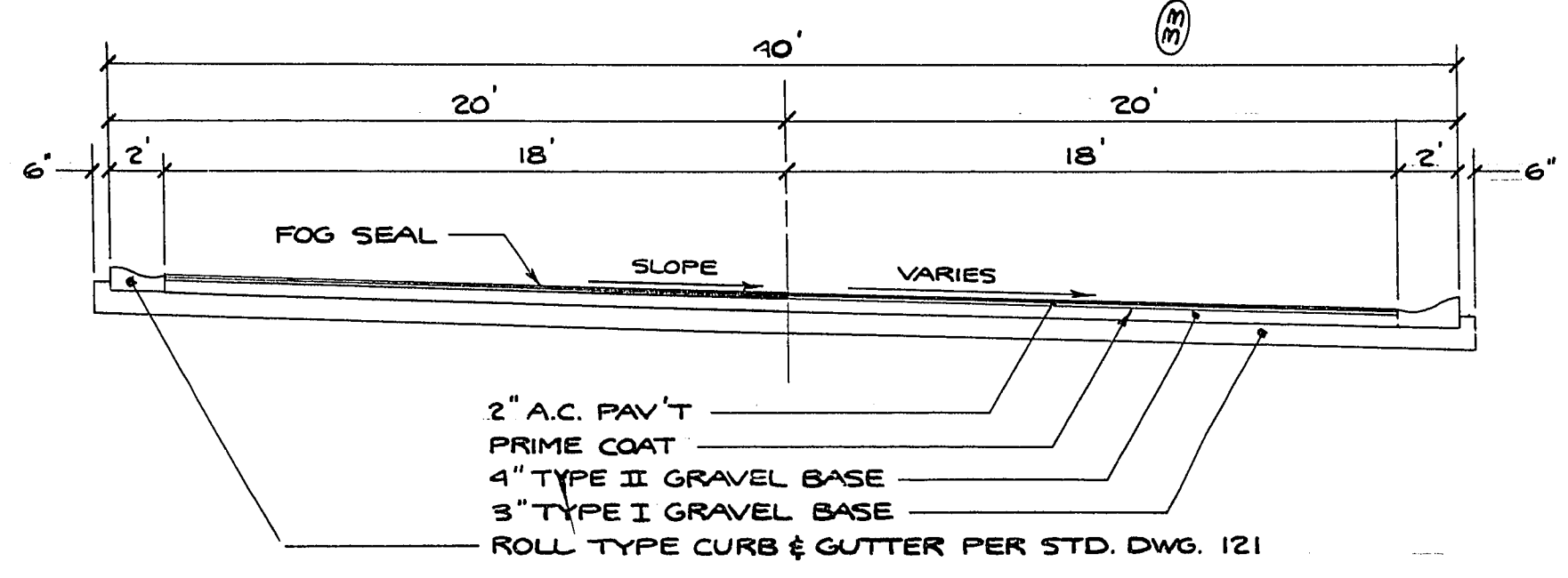
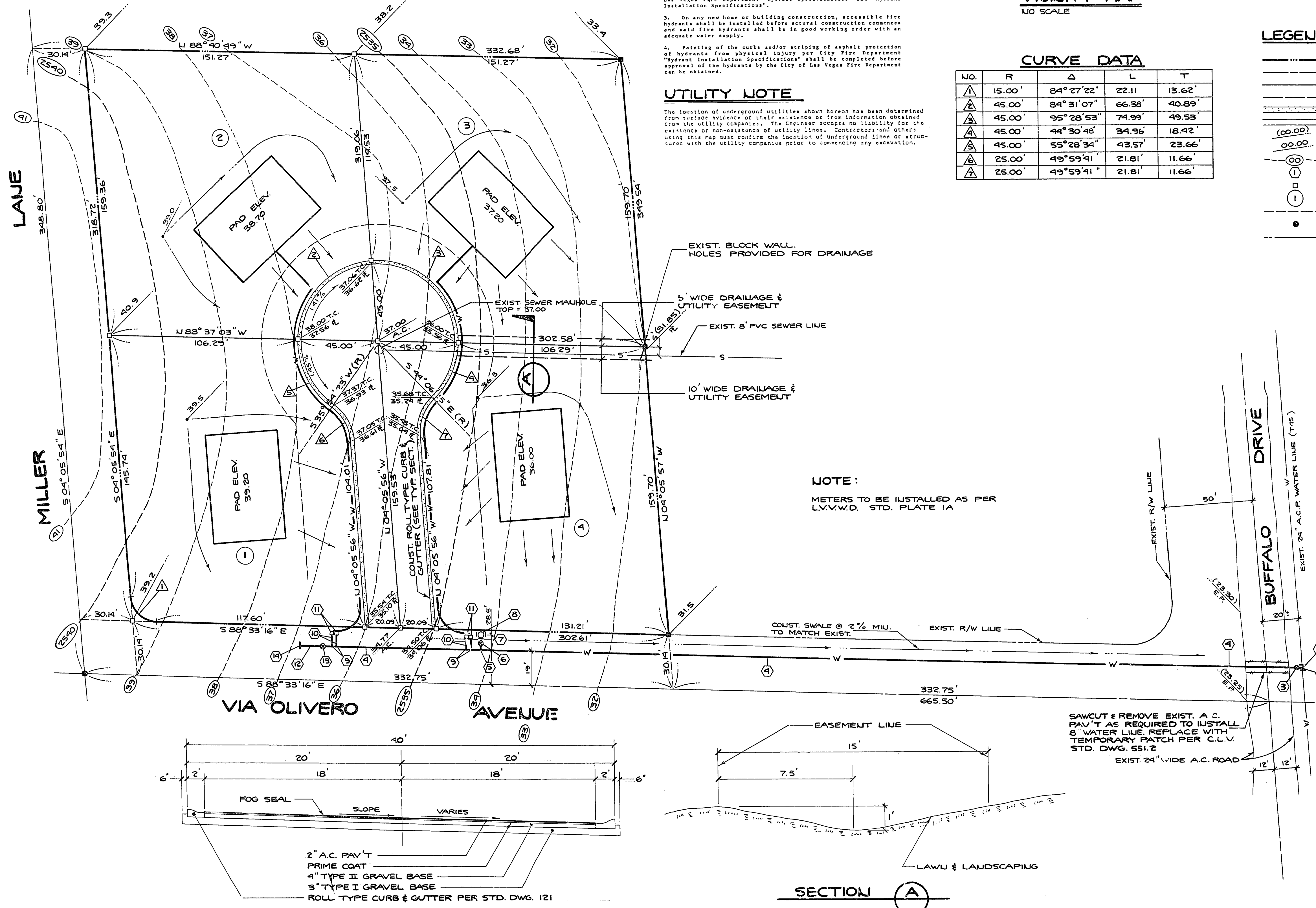
GRADING & UTILITY PLAN
VIA OLIVERO AVE. WEST FROM BUFFALO DR.
SECTION 4, TOWNSHIP 21 SOUTH, RANGE 60 EAST, MERIDIAN 11 WEST, CLARK COUNTY, NEVADA

SHEET 4 OF 4
PROJ. NO. 107-V1424

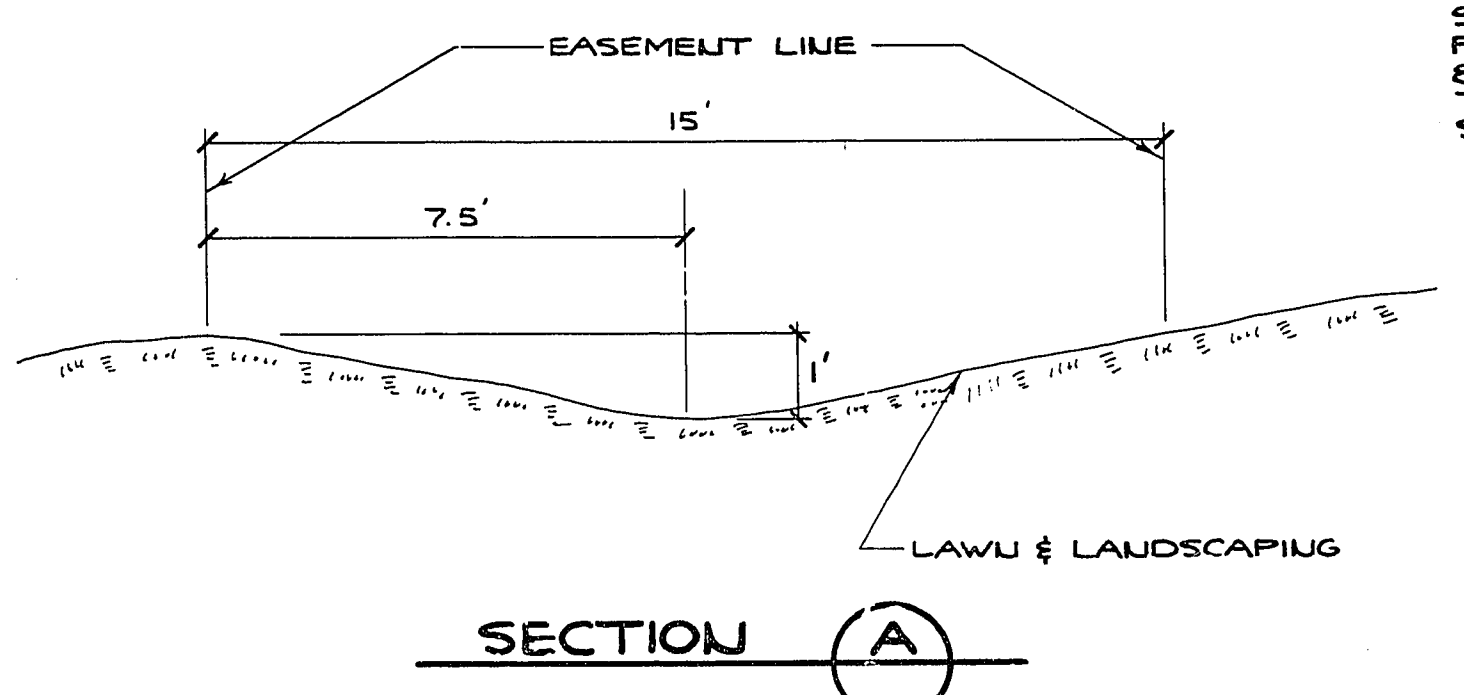
MAJCHESTER INVESTMENTS

BAUGHMAN & TURNER
MINING ENGINEERS
LAND SURVEYORS
2325 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89103
702-790-8771

DATE	JULIE 1986
DESIGN D.S.T.	
DRAWN D.S.T.	
CHECK	
SCALE	1" = 30'



TYPICAL SECTION PRIVATE DRIVE
NO SCALE



SECTION A

NOTE:
METERS TO BE INSTALLED AS PER L.V.V.W.D. STD. PLATE 1A

SAWCUT & REMOVE EXIST. A.C. PAV'T AS REQUIRED TO INSTALL 8" WATER LINE. REPLACE WITH TEMPORARY PATCH PER C.L.V. STD. DWG. 551/2
EXIST. 24" WIDE A.C. ROAD

3-3-84 107-V1424