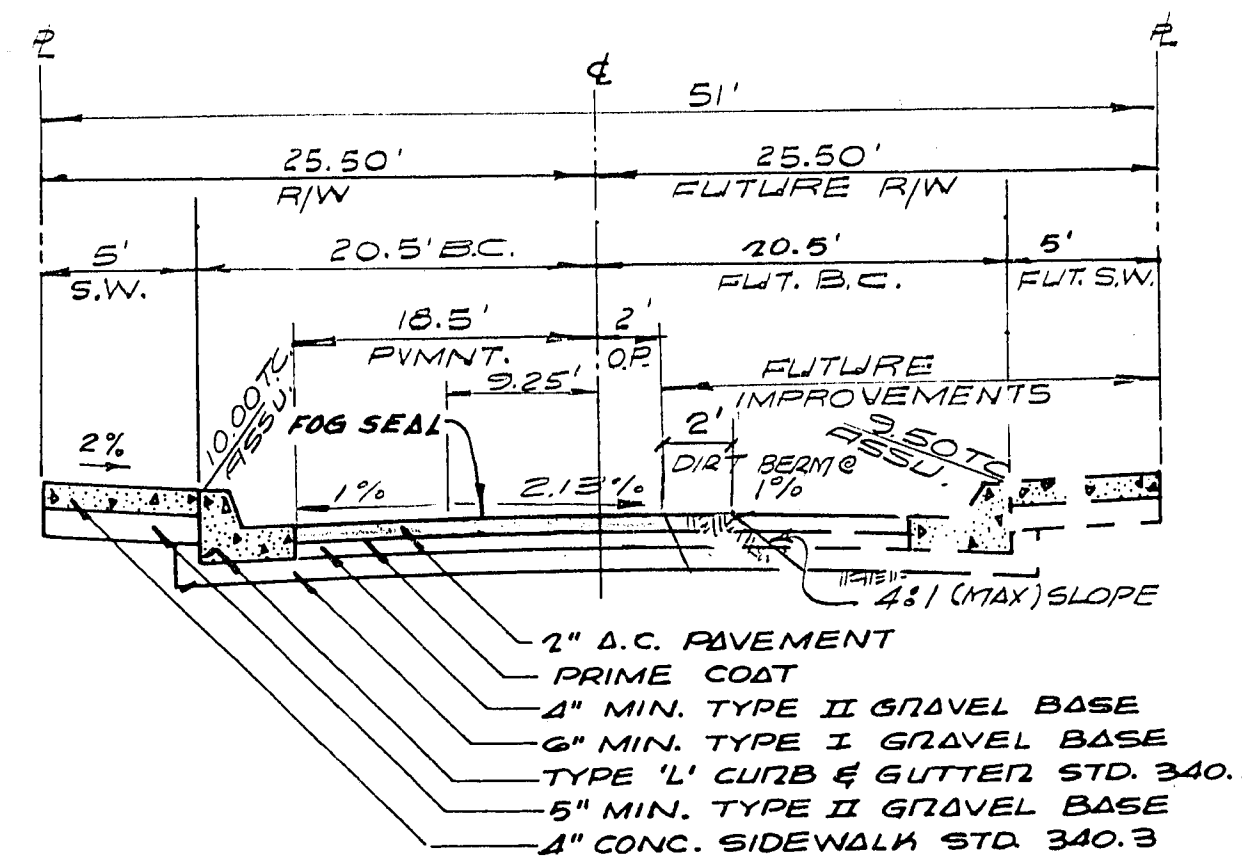


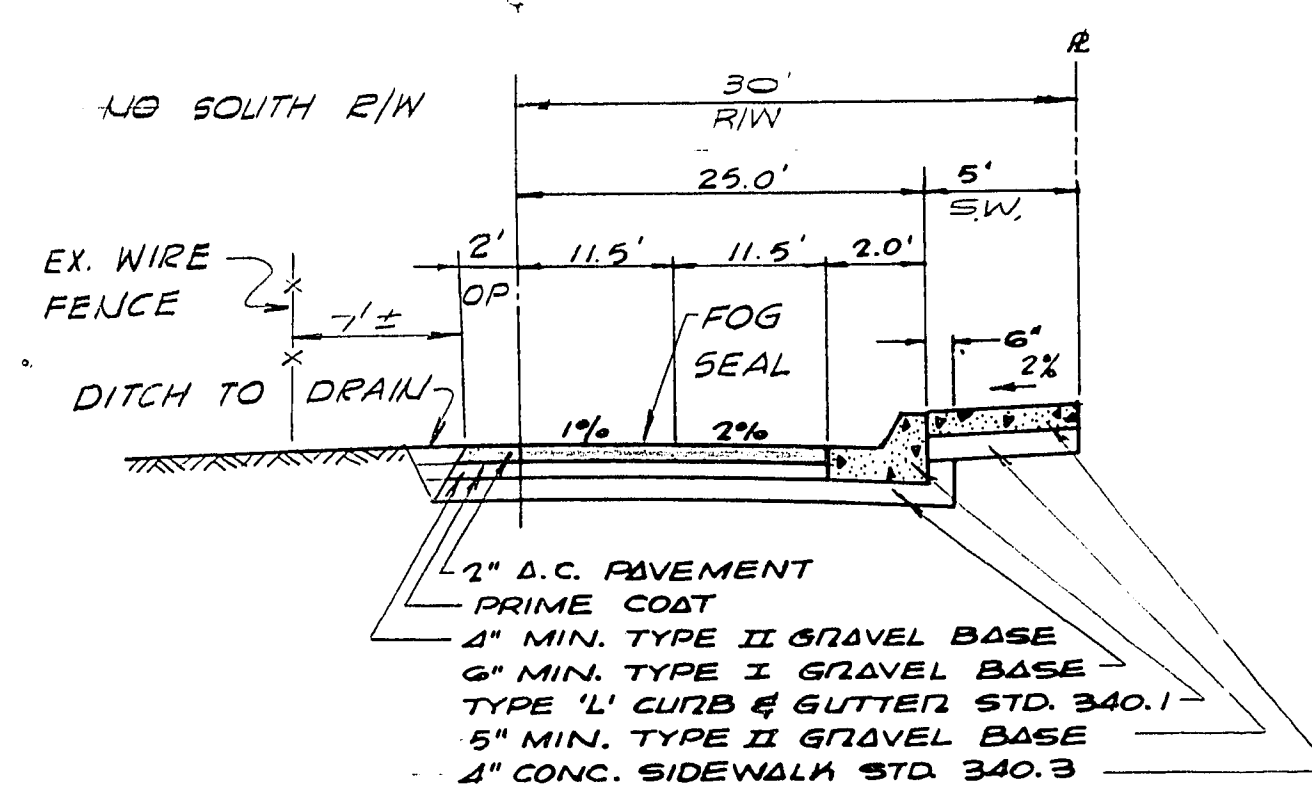


**25.5' STREET SECTION
WITH 20.5' BACK OF CURB
0.5' CROSS FALL**

FERRELL STREET (HALF ST.)

LOOKING NORTH

CONST. HALF ST. SECTION PER STD. DWG. NO. D-8

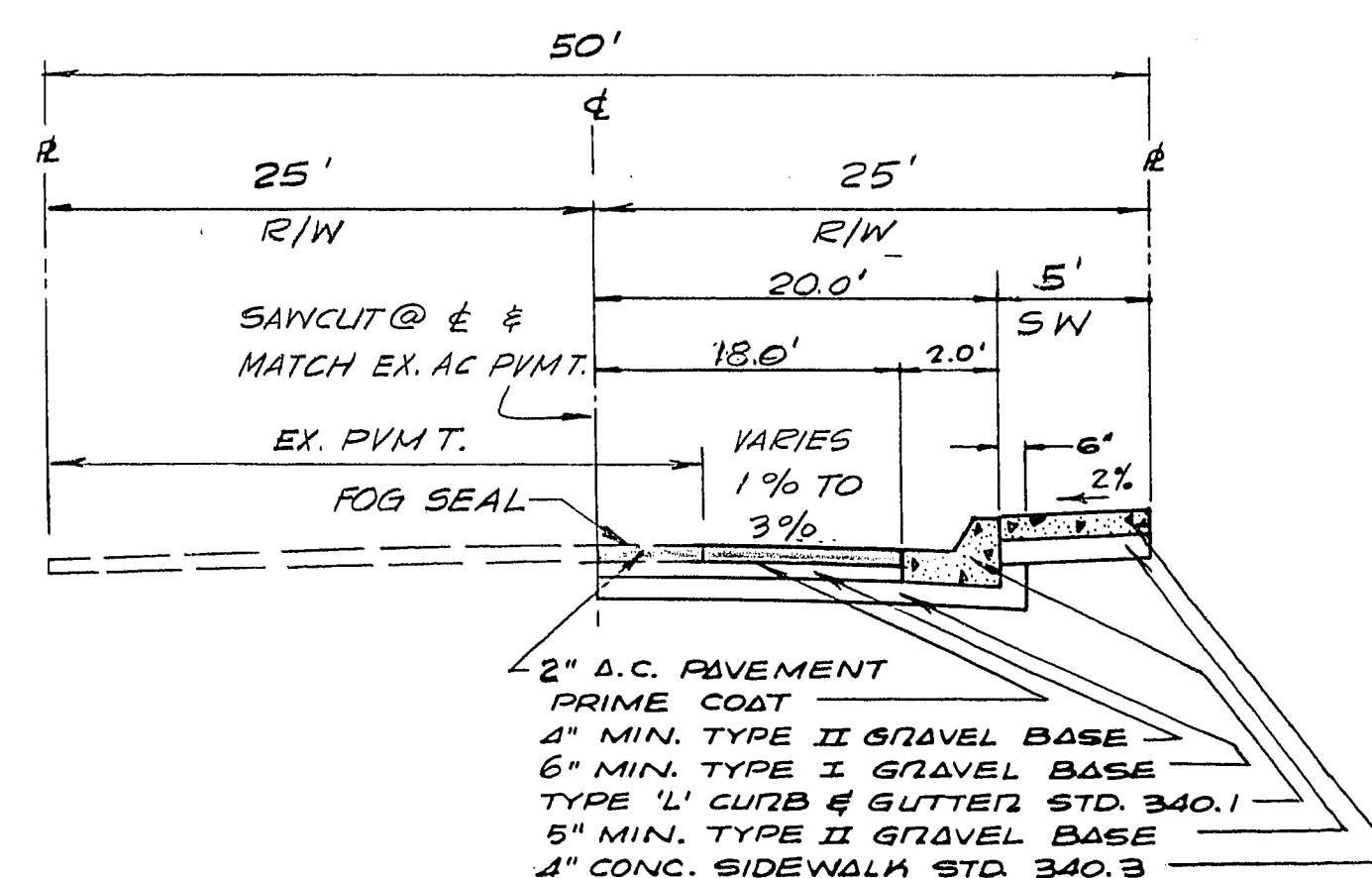


**30' STREET SECTION
WITH 25' BACK OF CURB**

HOLLY AVENUE (HALF ST.)

LOOKING WEST

CONST. HALF ST. SECTION PER STD. DWG. NO. D-8



**25' STREET SECTION
WITH 20' BACK OF CURB**

VALLEY LAKE (HALF ST.)

LOOKING EAST

CONST. HALF ST. SEC. PER STD. DWG. NO. D-8

QUANTITIES

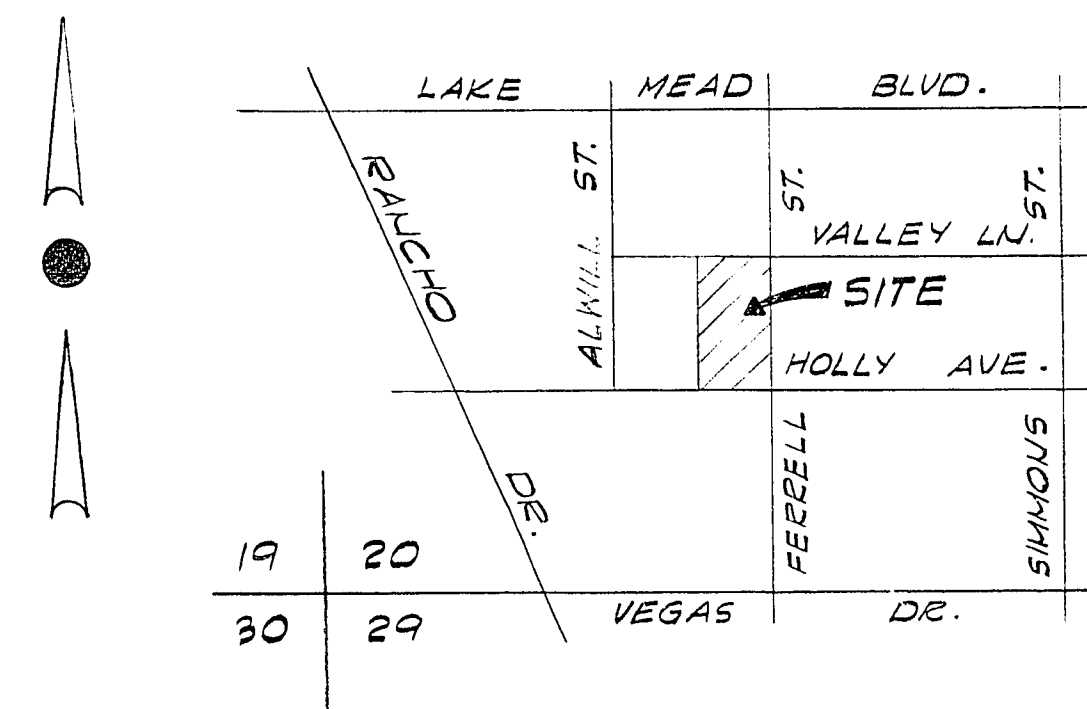
QUANTITY ESTIMATES
(BONDING PURPOSES ONLY)

NO.	DESCRIPTION	QUANTITY	UNIT
1	Saw Cut Pavement	263	Lin. Ft.
2	AC Pavement Removal	16,090	Sq. Ft.
3	Type "L" Curb & Gutter	729	Lin. Ft.
4	Concrete Sidewalk 4"	32.85	Sq. Ft.
5	Concrete Driveway 6"	320	Sq. Ft.
6	Type I Gravel Base	355	Cu. Yds.
7	Type II Gravel Base	268	Cu. Yds.
8	Valley Gutter Inc. Spandrels	430	Sq. Ft.
9	2" Trans. Pave.	1,985	Sq. Ft.
10	Underground Conduit	830	Lin. Ft.
11	100 Watt H.P.S.	4	Each
12	6" AC Pipe, including Fixtures	603	Lin. Ft.
13	Tapping Ex. Water Main	3	Each
14	Fire Hydrants w/Appurtenances	2	Each
15	Water Services ~ 2" METER	2	Each
16	Eccentric Concrete Manhole	1	Each
17	8" VC Pipe	25	Lin. Ft.
18	2" AC PAVEMENT	16,582	SQ. FT.

ABBREVIATIONS

AC.....Asphaltic Concrete	MIN.....Minimum
ACP.....Asbestos Cement Pipe	NO.....Number
ADJ.....Adjust	NRCP.....Non-reinforced concrete pipe
BC.....Beginning of curve or Back of Curb	OC.....On Center
BCR.....Beginning of curb return or Back of curb radius	OD.....Outside diameter
BDRY.....Boundary	PC.....Point of curvature
BEG.....Begin	PCC.....Point of compound curve or Portland cement concrete
BM.....Bench Mark	PHP.....Plastic High Pressure
BVC.....Beginning of Vertical Curve	PI.....Point of Intersection
C & G.....Curb & Gutter	PL.....Property Line
CF.....Curb Face	PP.....Power Pole
CIP.....Cast Iron Pipe	PRC.....Point of Reverse Curve
CL.....Centerline or Chain Link	PROP.....Proposed
CMP.....Corrugated Metal Pipe	PT.....Point of Tangent
CONC.....Concrete	PVC.....Poly vinyl chloride pipe
CONST.....Construct	PVI.....Point of Vertical Intersection
D.....Diameter of Pipe	PVMT.....Pavement
DIP.....Ductile Iron Pipe	Q.....Rate of Flow
DI.....Drop Inlet	R.....Radius
DIA.....Diameter	RC.....Reinforced Concrete
DMH.....Drop Manhole	RCR.....Reinforced Concrete Pipe
EC.....End of Curve	RT.....Right
ECR.....End of Curb Return	R/W.....Right-of-Way
EL.....Elevation	SD.....Storm Drain
EVC.....End of Vertical Curve	SHP.....Steel High Pressure
EQ.....Equal	SHT.....Sheet
EX.....Existing	SP MH.....Special Manhole
FB.....Finish Grade	SS.....Sanitary Sewer
FD.....Fire Hydrant	STA.....Station
FL.....Flow Line	STD.....Standard
G.....Gas	STL.....Steel
GB.....Grade Break	SW.....Sidewalk
H.....High or Height	T.....Tangent Distance
HOR.....Horizontal	TC.....Top of Curb
ID.....Inside Diameter	TMH.....Top of Manhole
INV.....Invert	TRANS.....Transition
IP.....Iron Pipe	TSC.....Traffic Signal Conduit
L.....Length	VC.....Vertical Curve
LAT.....Lateral	VCP.....Vitrified Clay Pipe
LF.....Lineal Feet	VERT.....Vertical
LT.....Left	VG.....Valley Gutter
MAX.....Maximum	W.....Water
MH.....Manhole	

VICINITY MAP



BENCHMARK

RISET & PLATE @NORTHWEST CORNER OF
ALWILL & HOLLY AVENUE.
ELEVATION: 2119.09'

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, Clark County Area"; 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 to Alca before work proceeds. Contractors doing otherwise shall proceed at their total risk and responsibility.
- The quantity estimates shown hereon 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 transitions shall be as shown or as determined by City Engineer or Inspector.
- If any curb grades are shown on plan @less than 0.40%, 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.
- Type V Cement shall be used in all off-site concrete work.
- Expansion joints required, maximum every 300' in extruded type curb.
- AC pavement to be 1/2" above lip of all gutters & valley gutters after compaction.
- The manholes shall have concrete collars at surface of paved areas.
- Chisel S or G when ever sewer or gas lines pass under the curb.
- Construct wheelchair ramps as specified on plans per Clark County Standard dwg. No. 022A.

INDEX OF SHEETS

SHEET	DESCRIPTION
1	SECTION & DETAILS, STDS. NOTES ABBREVIATIONS, ETC.
2 & 2a	PAVING & GRADING PLAN
3	FERRELL ST., VALLEY LANE, AND HOLLY AVE., IMPROVEMENT PLAN
4 & 4a	WATER AND SEWER PLAN
5	HOLLY AVE., - OFF-SITE WATER PLAN
6	STREET LIGHTING PLAN
7	STREET LIGHTING, WATER & SEWER, GENERAL NOTES & DETAILS

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT	2-13-80
sht. No. 4-45	Date Signed
<i>[Signature]</i>	4/1/80
LAS VEGAS CITY ENGINEER	DATE
N/A	
LAS VEGAS FIELD OPERATIONS ENGINEER	DATE
<i>[Signature]</i>	3-28-80
LAS VEGAS CITY ELECTRICIAN	DATE
<i>[Signature]</i>	4/7/80
LAS VEGAS ELECTRICAL COORDINATOR	DATE
<i>[Signature]</i>	3-25-80
LAS VEGAS SANITATION SUPT.	DATE
<i>[Signature]</i>	3-22-80
LAS VEGAS FIRE DEPARTMENT	DATE
<i>[Signature]</i>	4/7/80
QUALITY CONTROL ENGINEER	DATE
<i>[Signature]</i>	4-7-80
LAS VEGAS TRAFFIC ENGINEER	DATE
NEVADA POWER COMPANY	DATE

DEVELOPER

STEELWOOD CONSTRUCTION CO.

3549 SO. INDUSTRIAL RD.
LAS VEGAS, NEVADA 89109

REVISION NO.	DESCRIPTION	BY	DATE	APPROVAL
1	WATER QUANTITIES	QST	2/28/80	
2	REV. IN QUANTITIES	JP	3/1/80	
3	REV. WATER SHT. 5 OF 7	HL	2/19/80	
REVISIONS				
DILLYN APARTMENTS				
LAS VEGAS, NEVADA				
ABBREVIATIONS, APPROVALS, BENCHMARK, INDEX OF SHEETS, NOTES, QUANTITIES, SECTIONS & DETAILS, STANDARDS & VICINITY MAP				
ALCA ENGINEERING INC.				
CIVIL ENGINEERING - SURVEYING				
2765 SOUTH HIGHLAND DRIVE SUITE #103				
LAS VEGAS, NEVADA 89109 PH. 732-2105				
SCALE (H)	SCALE (V)	DATE	JOB NO.	
DES.			7809-5-4	
DR.				
SEC. 20 T. 20S. R. 6E.			SHEET 1 OF	