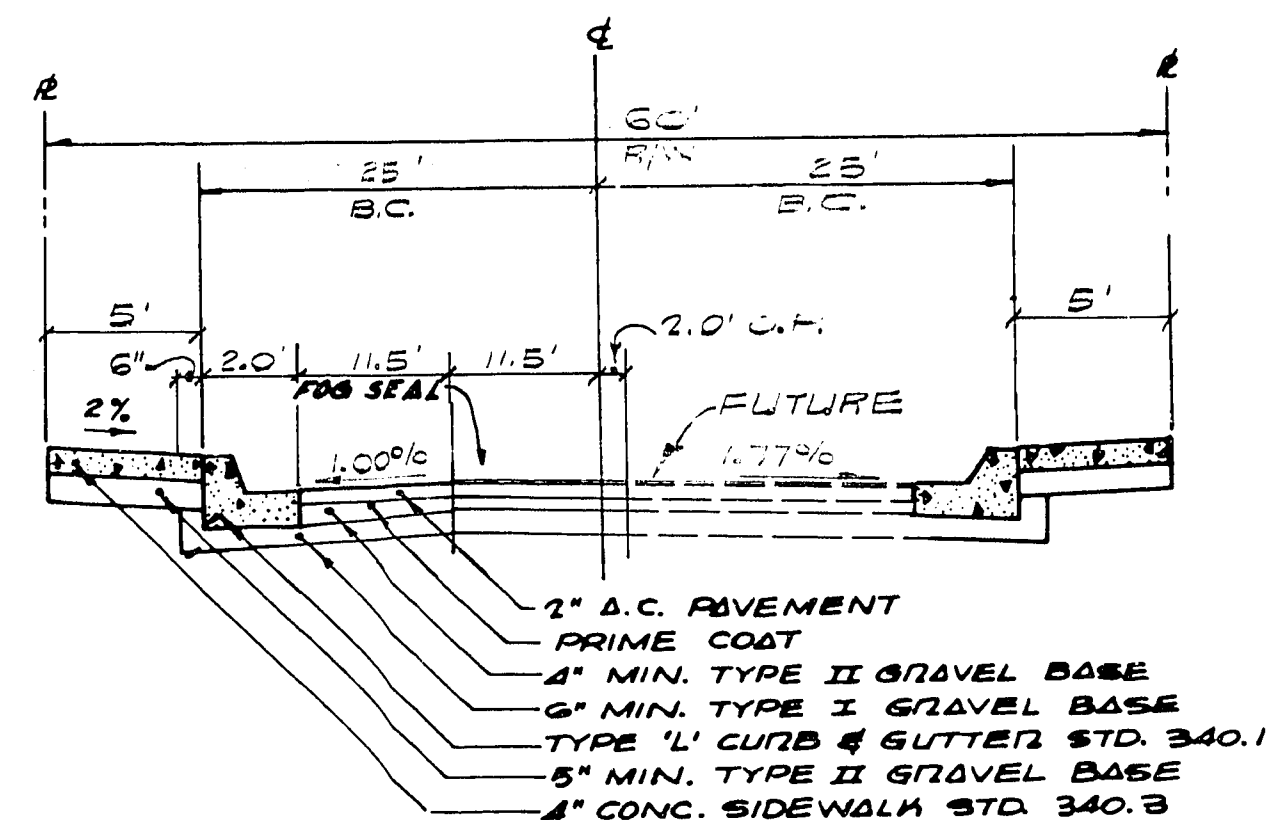
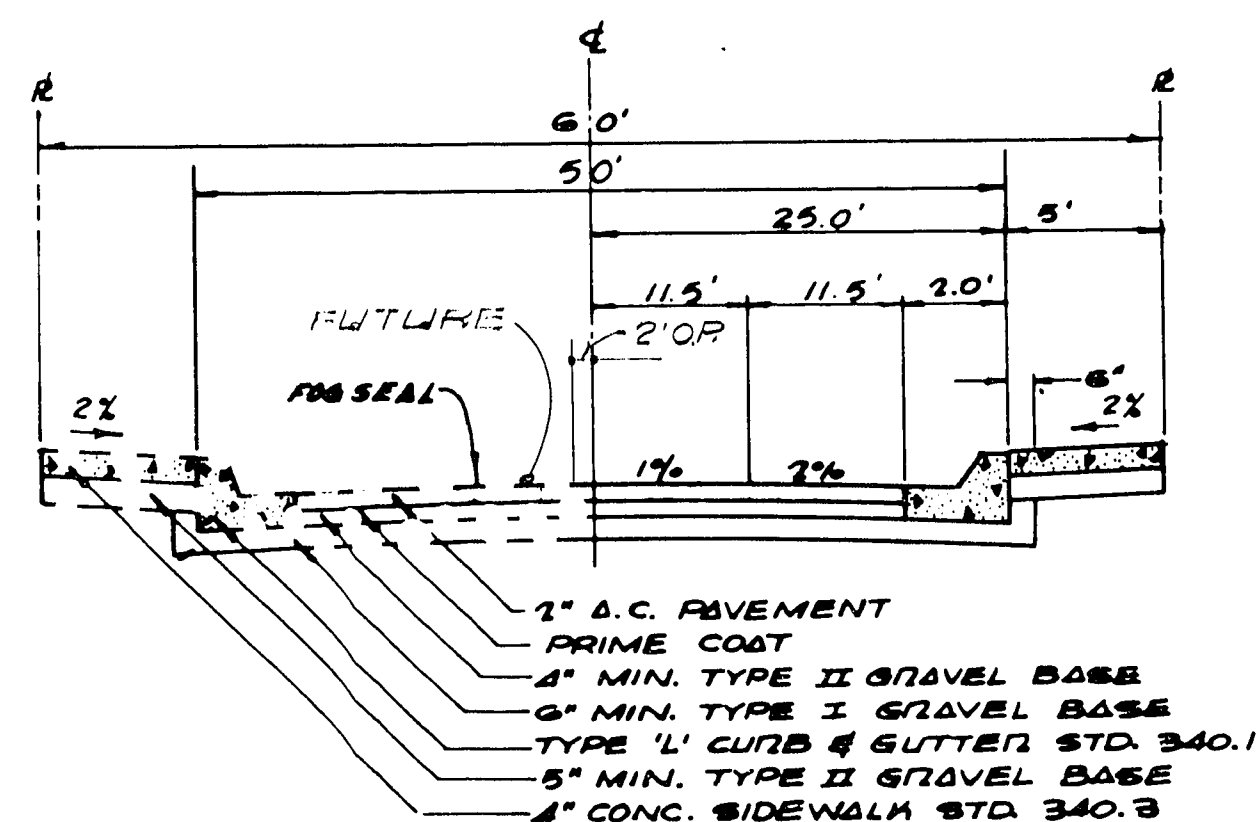
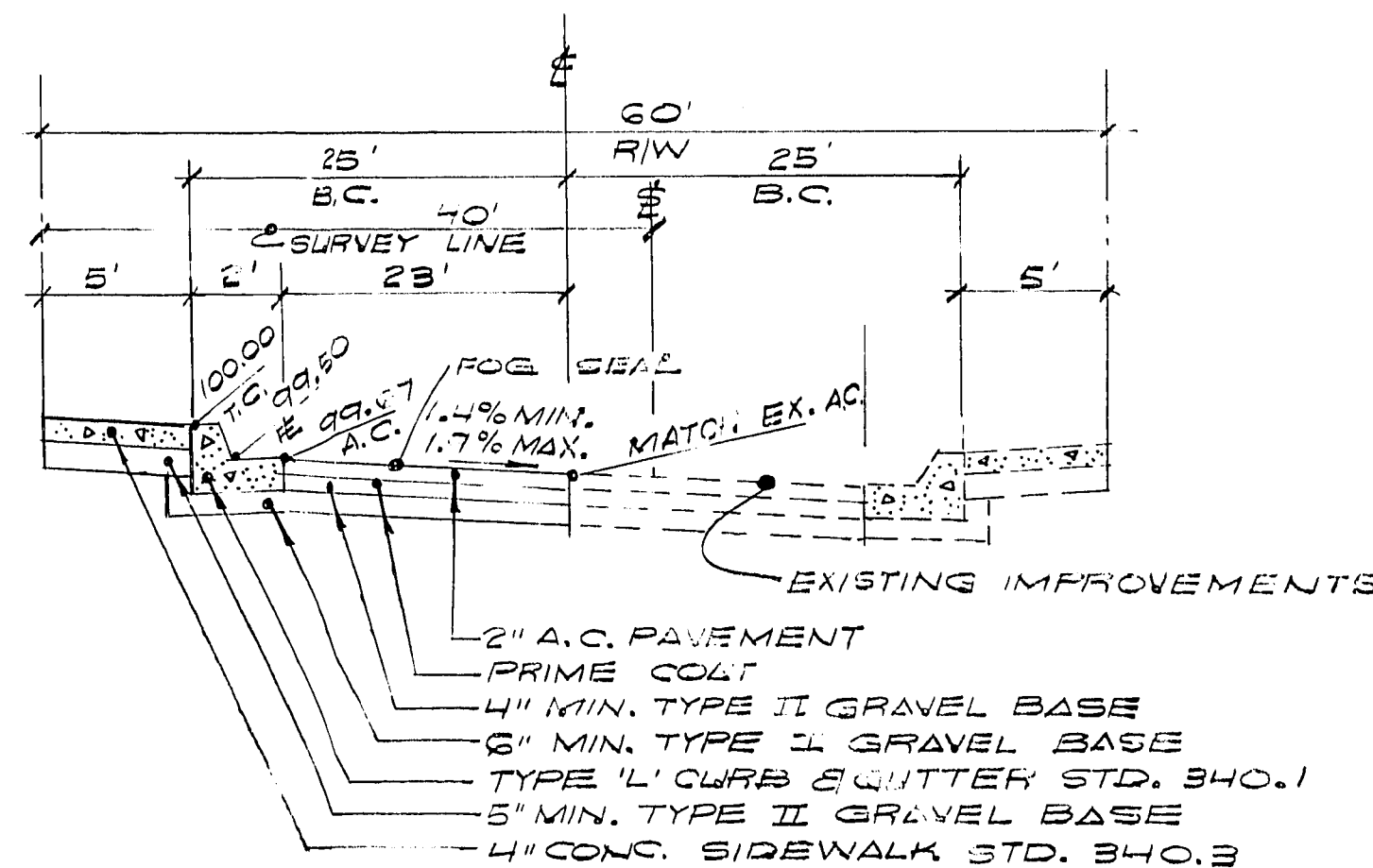




**60' STREET SECTION
WITH 0.5' CROSSFALL**
TONOPAH DRIVE
STA. 15+20.00 TO STA. 16+52.20



**60' STREET SECTION
WITH 50' BACK OF CURB**
PALOMINO LANE
STA. 13+00.00 TO STA. 14+60.10



**60' STREET SECTION
WITH 50' BACK OF CURB**
TONOPAH DRIVE
STA. 13+62.04 TO STA. 14+45.00

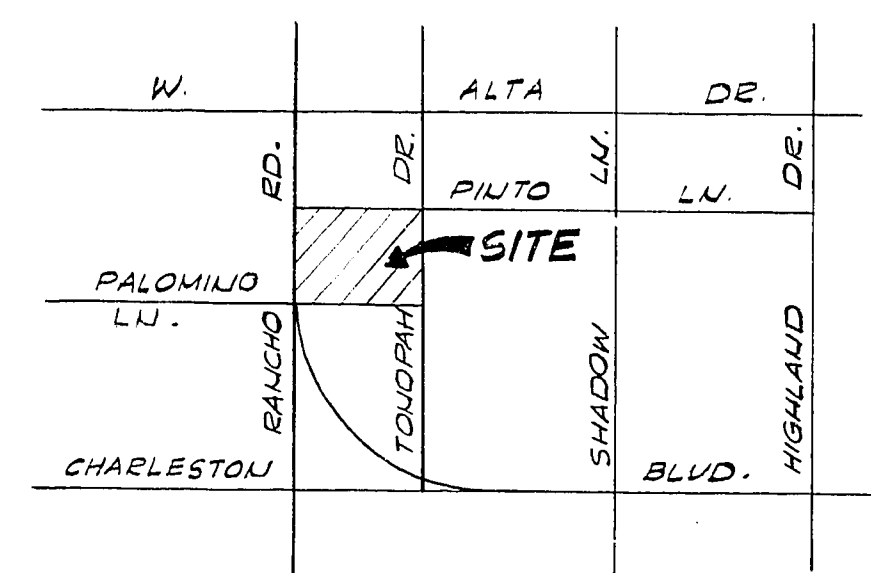
QUANTITIES

QUANTITY ESTIMATES (Bonding Purposes Only)			
NO.	DESCRIPTION	QUANTITY	UNIT
1	Saw Cut Pavement	242	Lin.Ft.
2	AC Pavement Removal	8,500	Sq. Ft.
3	Type "L" Curb & Gutter	327	Lin.Ft.
4	Concrete Sidewalk	1,614	Sq. Ft.
5	Concrete Driveway-Commercial	819	Sq. Ft.
6	1 1/2" AC Pavement (Temp.)	4,948	Sq. Ft.
7	2" AC Pavement	11,540	Sq. Ft.
8	Type I Gravel Base	235	Cu.Yds.
9	Type II Gravel Base	221	Cu.Yds.
10	Valley Gutter Inc.Spandrels	200	Sq. Ft.
11	100 Luminaire	2	Each
12	Underground Conduit	641	Lin.Ft.
13	Water Services	1	Each
14	Break into Ex. Manhole	1	Each
15	Eccentric Concrete Manhole	1	Each
16	4" VC Pipe Laterals	40	Lin.Ft.
17	8" VC Pipe	367	Lin.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 curve 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	PWMT.....Pavement
DBL.....Double	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 Curve Return	R/M.....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
FG.....Finish Grade	SS.....Sanitary Sewer
FL.....Flow Line	ST.....Station
G.....Gas	STD.....Standard
GB.....Grade Break	STL.....Steel
H.....High or Height	SW.....Sidewalk
HOR.....Horizontal	T.....Tangent Distance
ID.....Inside Diameter	TC.....Top of Curb
INV.....Invert	TMH.....Top of Manhole
IP.....Iron Pipe	TRANS.....Transition
L.....Length	TSC.....Traffic Signal Conduit
LAT.....Lateral	VC.....Vertical Curve
LF.....Lineal Feet	VCP.....Vitrified Clay Pipe
LT.....Left	VERT.....Vertical
Max.....Maximum	VG.....Valley Gutter
MH.....Manhole	W.....Water

VICINITY MAP



BENCHMARK

CLV BM. NO. 06133C1
PLATE W/ROUND HEADED BOLT @ N.W. CORNER
OF CHARLESTON BLVD. & TONOPAH DR.
ELEV. = 2067.62'

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 11p 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.

INDEX OF SHEETS

- SHT. DESCRIPTION
- SECTION & DETAILS, STANDARDS, NOTES, ABBREVIATIONS, ETC.
 - STREET IMPROVEMENTS: TONOPAH DRIVE AND PALOMINO LANE.

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT	sht. No.	Water laterals only	Date Signed
<i>[Signature]</i>			8/10/79
LAS VEGAS CITY ENGINEER			DATE
NA			DATE
LAS VEGAS FIELD OPERATIONS ENGINEER			DATE
<i>[Signature]</i>			8/8/79
LAS VEGAS ELECTRICAL SUPERVISOR			DATE
<i>[Signature]</i>			8/10/79
LAS VEGAS SANITATION SUPT.			DATE
<i>[Signature]</i>			8-7-79
LAS VEGAS FIRE DEPARTMENT			DATE
<i>[Signature]</i>			8-10-79
QUALITY CONTROL ENGINEER			DATE
<i>[Signature]</i>			8-7-79
LAS VEGAS TRAFFIC ENGINEER			DATE
<i>[Signature]</i>			DATE
NEVADA POWER COMPANY			DATE

DEVELOPER

XRT ASSOCIATES
C/O DR. HARRIS KNUDSON
901 RANCHO LANE
LAS VEGAS, NEVADA

REVISION NO.	DESCRIPTION	BY	DATE	APPROVAL
REVISIONS				
XRT ASSOCIATES TONOPAH DRIVE & PALOMINO LANE 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) NONE	SCALE (V) NONE	DATE	JOB NO.	
DES. T.R.L.			7512-4-9	
DR. M.E.F. M.A.				
SEC. B.B. TROB. R.G.E.				
SHEET 1 OF 2				

T-3 E-1