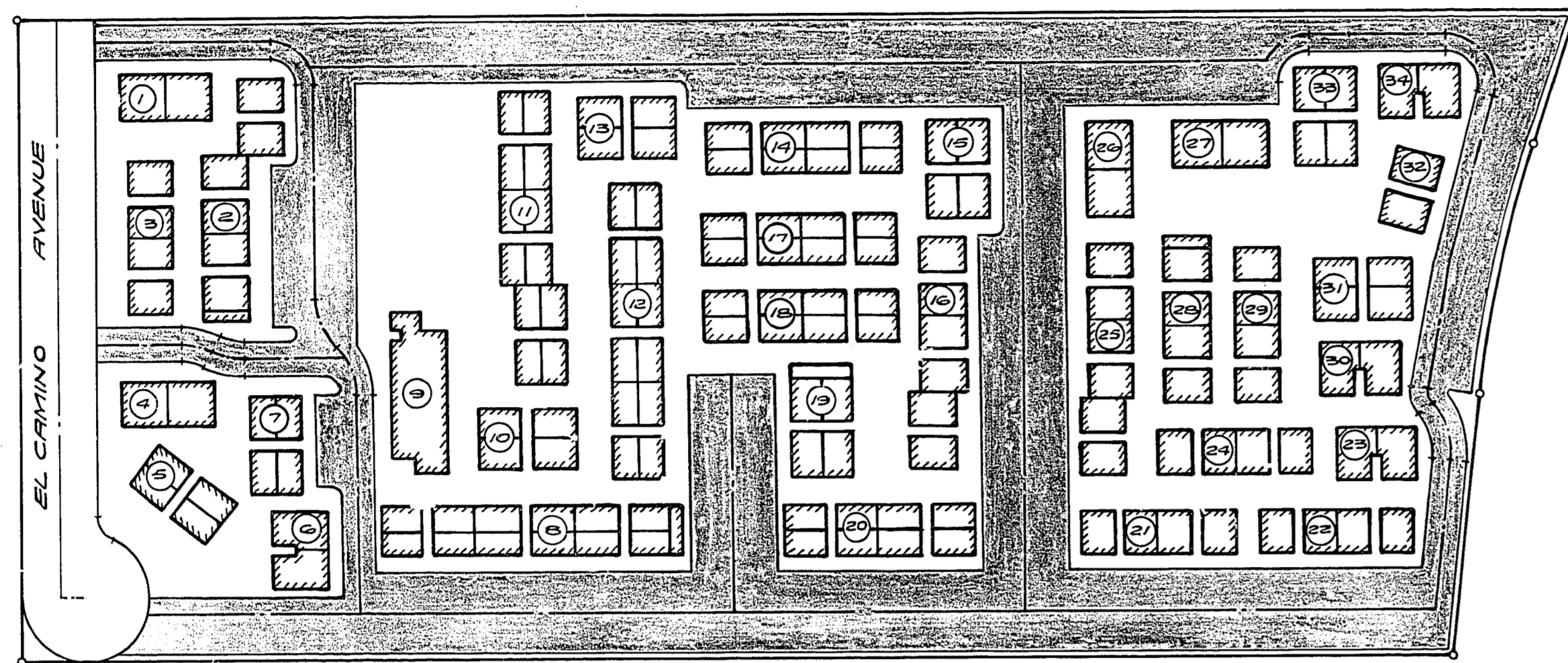
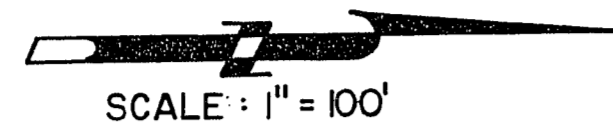


A.G. SPANOS - 312 UNIT APARTMENT COMPLEX



ABBREVIATIONS

A.C.	Asphaltic Concrete	L.F.	Lineal Feet
A.C.P.	Asbestos Cement Pipe	max	Maximum
B.C.	Back of Curb, Begin. of Curve	M.H.	Manhole
B.C.R.	Begin Curb Return	M.O.	Middle Ordinate
B.V.C.	Begin Vertical Curve	min.	Minimum
C.F.	Cubic Foot	N.G.	Natural Grade
cl	clear	O.C.	On Center
C.M.P.	Corrugated Metal Pipe	P.I.	Point of Intersection
Conc.	Concrete	P.B.	Pull Box
Const.	Construct, Construction	P.P.	Power Pole, Power Pad
C.Y.	Cubic Yard	P.R.C.	Point Reversed Curve
Δ	Delta	R	Radius
Dwg.	Drawing	(R)	Radial
D.W.	Driveway	S	Slope
E.C.	End of Curve	S.S.	Sanitary Sewer
E.C.R.	End of Curb Return	Sta.	Station
E.P.	Edge of Pavement	S.W.	Sidewalk
E.V.C.	End of Vertical Curve	T	Tangent
ex.exist.	Existing	T.C.	Top of Curb
FL	Flow Line	T.P.O.B.	True Point of Beginning
F.G.	Finish Grade	V.C.	Vertical Curve
G.B.	Grade Break	V.C.P.	Vitrified Clay Pipe
Horiz.	Horizontal	Vert.	Vertical
INV.	Invert	W	Water
L	Length		

INDEX OF SHEETS

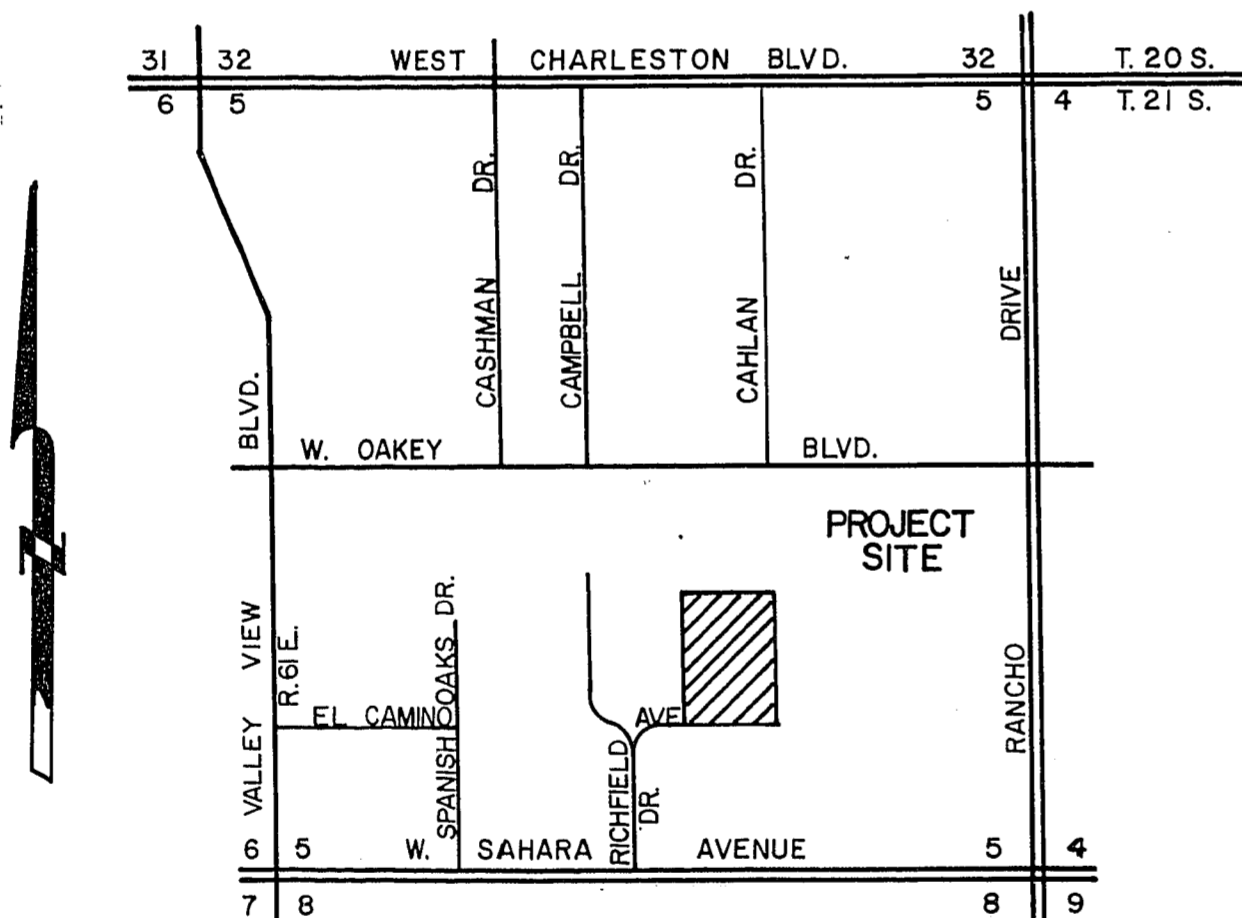
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GRADING PLAN
3	ONSITE SEWER & WATER PLAN
4	OFFSITE SEWER & WATER PLAN
5	STREET IMPROVEMENT PLAN - EL CAMINO AVENUE

ESTIMATE OF QUANTITIES

OFFSITE			
NO.	DESCRIPTION	QUANTITY	UNIT
1.	2" A.C. Pavement	2,745	S.Y.
2.	"L" Type Curb & Gutter	1,057	L.F.
3.	5' Concrete Sidewalk	5,285	S.F.
4.	8" A.C.P. Water Main	735	L.F.
5.	FMCT Meter	1	EA.
6.	175 Watt Luminaire	3	EA.
7.	Underground Conduit	530	L.F.
8.	Power Source	1	EA.
9.	Pull Box	1	EA.
10.	Street Sign	1	EA.
11.	Excavation	1,000	C.Y.

ESTIMATE OF QUANTITIES

ONSITE			
NO.	DESCRIPTION	QUANTITY	UNIT
1.	2" A.C. Pavement	20,612	S.Y.
2.	18" Type "L" Curb & Gutter	3,475	L.F.
3.	Type "A" Curb	3,840	L.F.
4.	8" V.C.P. Sewer Main	89	L.F.
5.	6" V.C.P. Sewer Main	1619	L.F.
6.	4" V.C.P. Sewer Main	1333	L.F.
7.	4" V.C.P. Sewer Laterals	1,440	L.F.
8.	Cleanouts	45	EA.
9.	Manholes, Standard	1	EA.
10.	8" A.C.P. Water Main	1,504	L.F.
11.	6" A.C.P. Water Main	1,972	L.F.
12.	Fire Hydrant Assembly	11	EA.
13.	Excavation	18,880	C.Y.
14.	Embankment	17,120	C.Y.
15.	Retaining Wall	645	L.F.



VICINITY MAP
NOT TO SCALE

BASIS OF BEARING:

The Basis of Bearing for this Survey is the South line of the Southeast Quarter (SE1/4) of Section 5, T.21 S., R.61 E., M.D.M. as shown on a Record of Survey recorded in File 23, Page 92, Official Records Book No. 276, Clark County, Nevada. Said line bears N. 89°40'45"W.

BENCH MARK:

CLV B.M.# 1615 C-1, Top of Curb, West Return, SW Corner of Oakey Blvd. & Campbell Dr.
Ele. = 2106.75'

APPROVALS -

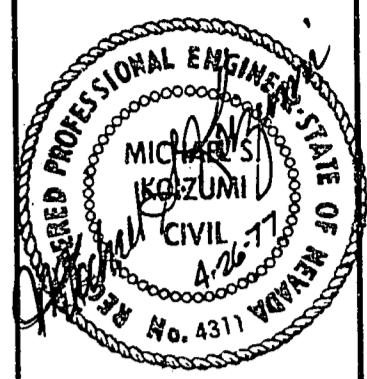
William Stannis 5/2/77
CITY ENGINEER DATE

Robert Weber 5-2-77
FIELD OPERATIONS ENGINEER DATE

James J. [Signature] 5/2/77
QUALITY CONTROL ENGINEER DATE

REVISIONS

NO.	DESCRIPTION/DATE	BY
1	REVISED	W. STANIS



SPARKS, NEVADA
LAS VEGAS, NEVADA
SEATTLE, WASHINGTON
INCORPORATED
S&S
ENGINEERS/PLANNERS
ARCHITECTS

NEVADA
A.G. SPANOS
312 UNIT - APARTMENT COMPLEX
COVER SHEET

JOB NO. 20-02-008-77

DESIGNED	
DRAWN	KH
COMP.	
CHECKED	
DATE	FEB. 1977
SHEET NO.	