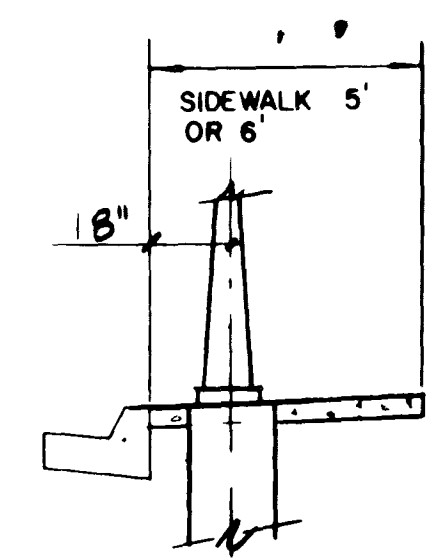
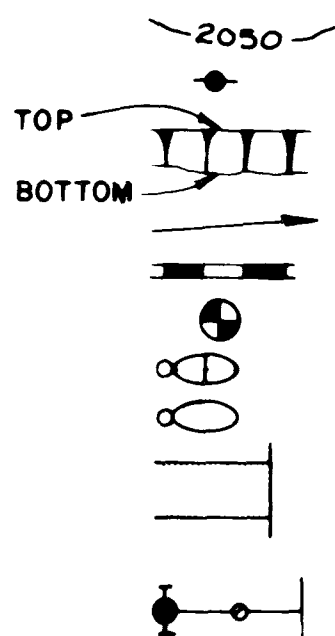


TC	TOP OF CURB
FG	FINISH GRADE
FL	FLOW LINE
FH	FIRE HYDRANT
GB	GRADE BREAK
FF	FINISH FLOOR
MO	MID-ORDINATE
MH	MANHOLE (SEWER)
TMH	TOP OF MANHOLE
SW	SIDEWALK
PI	POINT OF INTERSECTION
VC	VERTICAL CURVE
BVC	BEGIN VERTICAL CURVE
EVC	END VERTICAL CURVE
PG	PAD GRADE
AC	ASPHALT CONCRETE
BC	BACK OF CURB
BCR	BEGIN & END OF CURB RADIUS
C#G	CURB & GUTTER
CMP	CORRUGATED METAL PIPE
R/W	RIGHT OF WAY
PL	PROPERTY LINE
ST LT	STREET LIGHT
ACP	ASBESTOS CEMENT PIPE
VCP	VITRIFIED CLAY PIPE
RCP	REINFORCED CONCRETE PIPE
PVC	POLY VINYL CHLORIDE (PLASTIC)
INV	INVERT

 CENTERLINE
 BOUNDARY LINE
 PVC CONDUIT (ST LT)
 SEWER LINE (VCP)
 WATER LINE (ACP)
 MANHOLE (SEWER)
 CURB & GUTTER

FIRE HYDRANT W/ 6" GATE VALVE



LOCATION	DETAIL
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

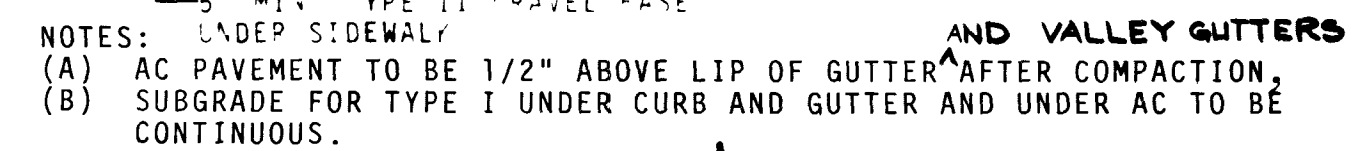
1. Contractor shall provide all necessary horizontal and vertical transition between new construction and existing surfaces to provide for proper drainage and of ingress and egress to said construction, extent of transitions to be determined by City Engineer.
2. Existing utilities are located on plans for the convenience of the Contractor only, the Contractor shall bear full responsibility for the protection of utilities and the Engineer bears no responsibility for utilities not shown on plans or not in the location shown on the plans.
3. Construction to be per Uniform Standard Specifications and Drawings; City of Las Vegas, Nevada, **latest edition**
4. Construction Survey:
Grades are given from top of stakes or nails. The Contractors are cautioned to observe the following rule in using the grade stakes given by this office for putting in curbs or sewers: Three consecutive points that are shown to be on the same rate of slope must be used in common in order that any variation out of a perfect straight grade may be detected, and in case any such discrepancy is found, the same must be reported, otherwise this office will not be responsible for any error in the grade of such work.
5. Use type V concrete in all offsite concrete work.
6. Chisel S., W., & G., where these lines pass under the curb.

SEWER NOTES

1. Street lighting standards shall be as shown by Drawing No. 400.1 page 40 of Uniform Standard Drawings and must conform to Sections 400 and 405 and any other applicable sections of the Uniform Standard Specifications.
2. On 80' R/W Streets there shall be 2 poles on diagonal corners.
3. On 100' R/W Streets there shall be one pole at each corner.
4. High Pressure Sodium Luminaires to be used on 51' R/W and 60' R/W streets shall be 100 watt, 240 volt I.E.S. distribution type 3 with integral constant wattage ballasts, similar to General Electric Type M250A catalogue #C72865B4 of approved equal.
5. High pressure Sodium Luminaires to be used on 80' R/W streets and over, shall be 250 Watt 240 Volt, I.E.S. distribution type 3 with integral constant wattage ballast similar to General Electric Type M-400A, Catalog #C7246804 or approved equal.
6. 100 Watt High Pressure Sodium Lamps shall be Sylvania LU100 or approved equal.
7. 250 Watt High Pressure Sodium Lamps shall by Sylvania LU250 or approved equal.
8. Photo Cell and Control to be 120 Volts. Fisher-Pierce 6660 or approved equal.
9. Spacing of Standards shall be 180 feet maximum on 51' R/W and 60' R/W streets on one side.

11. Spacing of standards on 100' R/W streets or more shall be 120 feet maximum on each side and staggered.
12. All standards to be set 18" back of curb.
13. Sch. 40 Rigid Non-Metallic Conduit (PVC) or approved equal complying with Article 347 of the National Electrical Code may be installed for underground applications and to be within 12" back of curb and 24" cover.
14. Fuse Holders and Connectors shall be installed in the bases of all lighting standards, the fuse holders shall be Buss-Tron-Mex-AA, with rubber boots.
15. Base covers for lighting standards are not to be installed before breakout caps are placed and inspected. All material used in underground wiring, in breakout caps and under base covers to be inspected before installation.
16. Foundations shall be constructed and located to line and grade as directed by the field engineer.
17. Lighting Standard and Mast Arm Cable to luminaire shall be 10/2 U.F. Type 600 Volt copper cable.
18. The Contractor shall be responsible for avoiding damage to property, either public or private and in the event of such damage, shall make satisfactory repairs at his own expense.
19. The Contractor shall furnish complete service to transformers and control systems, if required.
20. The Service Point standard is to be installed at the approved location shown on plans and to conform to drawing #40.1 page 44 of the Uniform Standard Drawings.
21. In the selection of 100 and 250 Watt High Pressure Sodium Luminaires to be used in a particular development one approved manufacturer shall be specified.
22. These specifications to become effective on all City of Las Vegas Multiple Street Lighting Designs approved on or after June 1, 1977.
23. These specifications shall be superseded by any revised specifications in existence at the time of installation.

CITY OF LAS VEGAS BENCH MARK NO. 481
CONCRETE MONUMENT WITH METAL
PLATE, 200' ± S. & 50' ± W. FROM INTER-
SECTION OF TORREY PINES & SMOKE RANCH
ELEVATION 2293.562

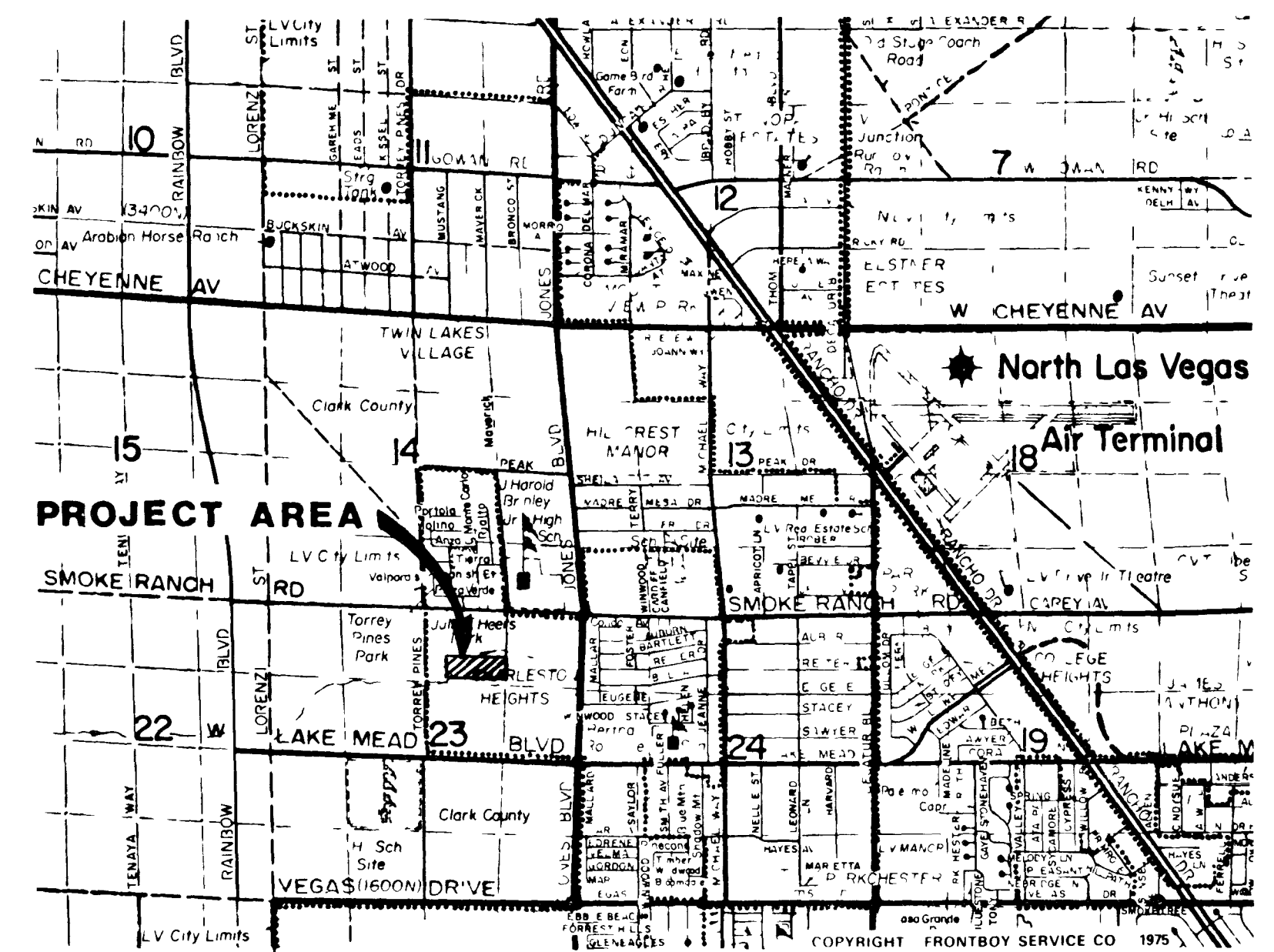


NOTES:

- (A) AC PAVEMENT TO BE 1/2" ABOVE LIP OF GUTTER AFTER COMPACTION.
- (B) SUBGRADE FOR TYPE I UNDER CURB AND GUTTER AND UNDER AC TO BE CONTINUOUS.

* OWNER AGREES THAT IF EXISTING NATIVE MATERIAL DOES NOT CONFORM TO SPECIFICATIONS FOR TYPE I BASE, OWNER WILL IMPORT TYPE I BASE FOR A C PAVEMENT

61 LOTS
11.743 ACRES

[illegible]

NO	TITLE
	COVER SHEET
1	PLAT MAP
2	PLAT MAP
3.	QUANTITIES, GENERAL NOTES, MISC.
4.	UTILITY PLAN
5	MAVERICK STREET
6	GUADALUPE AVE
7.	CAMBRIA AVE.
8	CONCHITA STREET
9	GRADING PLAN
10	GRADING PLAN

NOTE: SEE RESIDENTIAL DWY. DETAILS ON SHT 9

I certify that these improvement drawings are in their final form as submitted to agencies for their approval.

George C. Wallace 4/13/77
George C. Wallace, RPE, RLS Date
Nevada Certificate No. 1815

APPROVALS:

Munir Malik
CITY ENGINEER

Robert L. Weber
FIELD ENGINEER

QUALITY CONT

ENGINEER'S CERTIFICATE

I hereby certify that these plans and/or specifications comply with F. H. A. objectives, minimum property standards and neighborhood requirements and represents the best of my judgement.

G. C. Wallace RPE, RLS #1815

Date _____

--	--	--	--

NO. DATE

100

G. C. WALLACE

G. C. WALLACE
Consulting Engineers, Inc.
100 East Sahara Ave. • Las Vegas, Nevada 89104 • 792-3330

I-C

BECKER & SONS
CHARLESTON HEIGHTS — TRACT NO. 51-C
QUANTITIES, GENERAL NOTES & MISC.

SHEET

3

OF 10 SHEETS

