Avoid cutting underground utility lines. It's costly.

Call before you Dig
1-800-227-2600

Avoid overhead power line contact. It's costly.

Call before you Overhead
1-702-593-6111

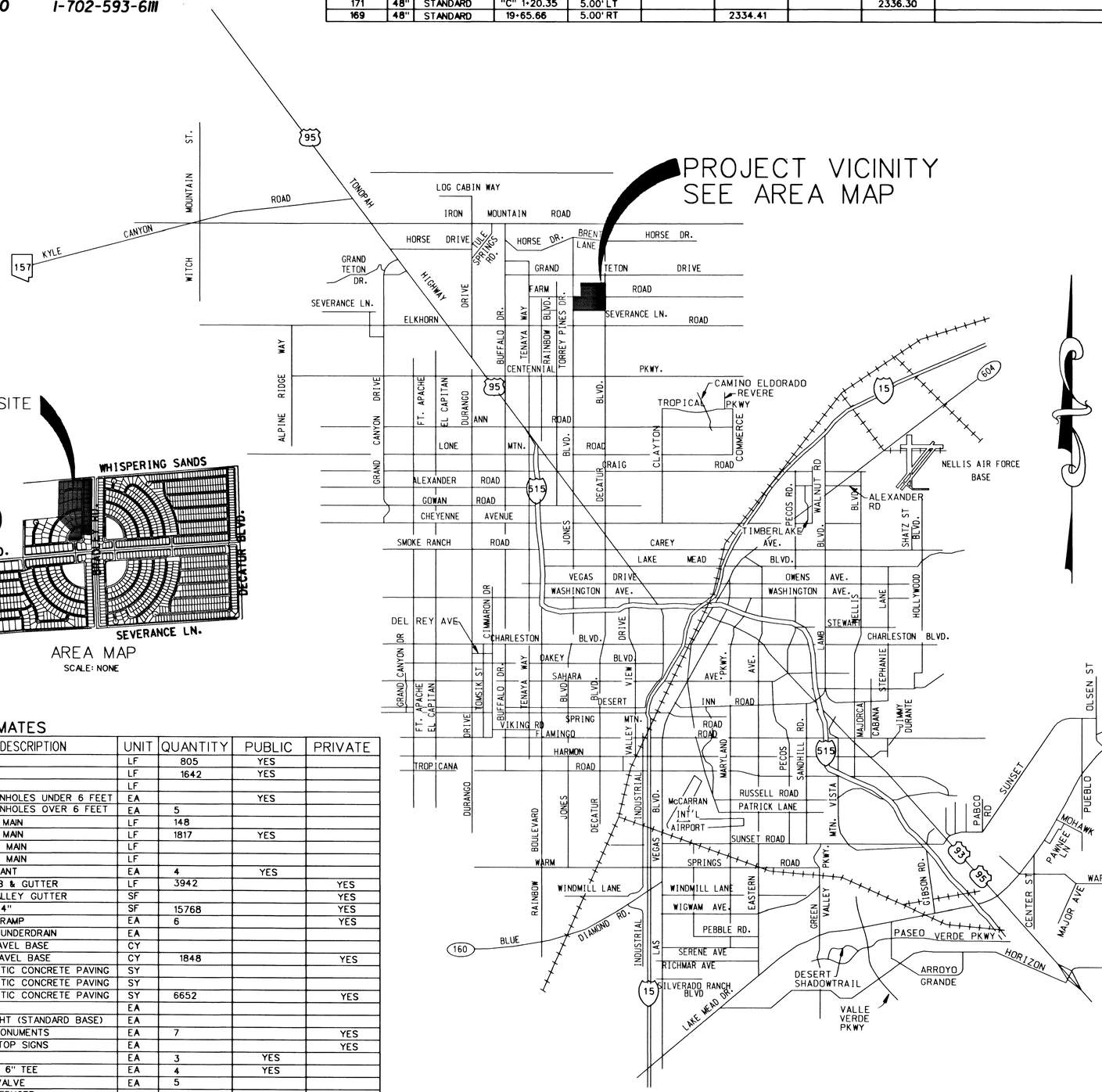
MANHOLE SCHEDULE

M.H.#	I.D.	TYPE	STATION	OFFSET	N. INV. EL.	S. INV. EL.	W. INV. EL.	E. INV. EL.	COMMENTS
163	48"	STANDARD	14+69.46	5.00'RT	2331.74	2331.54	2331.74		
168	48"	STANDARD	18+23.99	0.78'RT	2333.56	2333.36	2333.56		
170	48"	STANDARD	11+52.89	9.17'LT			2335.17	2334.97	
171	48"	STANDARD	"C" 1+20.35	5.00'LT				2336.30	
169	48"	STANDARD	19+65.66	5.00'RT		2334.41			

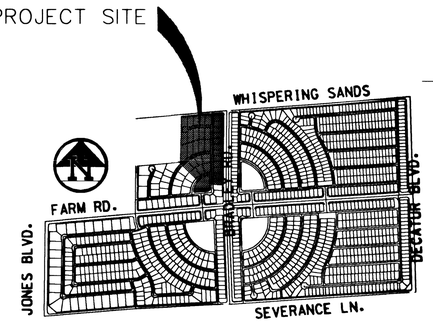
ABBREVIATIONS

@	-AT	GI	-GALVANIZED IRON
A	-ANODE, GAS	GM	-GAS METER
ABAN	-ABANDON	GR	-GAS PRESSURE REGULATOR
ABBR	-ABBREVIATIONS	GUT	-GUTTER
ABD	-ABANDONED	HOWA	-HOWE OWNERS ASSOCIATION
ABUT.	-ABUTMENT	HORIZ.	-HORIZONTAL
AC	-ACRE	HP	-HIGH POINT
AC	-ASPHALTIC CONCRETE	ID	-INSIDE DIAMETER
ACP	-ASBESTOS CEMENT PIPE	IN	-INCH
ADD.	-ADDITION	INT	-INTERSECTION
ADJ	-ADJUSTING	INV	-INVERT
AGG	-AGGREGATE	ISL	-ISLAND
AIP	-ABONDONED IN PLACE	JB	-JUNCTION BOX
ALT	-ALTERNATE	JNCT	-JUNCTION
APPD	-APPROVED	"K"	-KNUCKLE
APPROX	-APPROXIMATE	JT	-JOINT
ASB	-ASBESTOS	LAT	-LATITUDE
ASPH	-ASPHALT	LIN	-LINEAR
ASSN	-ASSOCIATION	LIN FT	-LINEAR FOOT
ASST	-ASSISTANT	LOC	-LENGTH OF CURB
AUX	-AUXILIARY	LT	-LEFT
AVE	-AVENUE	LVVWD	-LAS VEGAS VALLEY WATER DISTRICT
B TO B	-BACK TO BACK		
BC	-BACK TO CURB	MAX	-MAXIMUM
BCPA	-BITUMINOUS COATED PIPE ARCH CULVERT	MH	-MANHOLE
		MIN	-MINIMUM
BCPCMP	-BITUMINOUS COATED & PAVED CORRUGATED METAL PIPE CULVERT	MON	-MONOLITHIC
		N	-NORTH
		NE	-NORTHEAST
BCPPA	-BITUMINOUS COATED & PAVED PIPE ARCH CULVERT	N/O	-NORTH OF
		NTS	-NOT TO SCALE
		NW	-NORTHWEST
BCR	-BACK OF CURB RADIUS	OC	-ON CENTER
BDRY LINE	-BOUNDARY LINE	OD	-OUTSIDE DIAMETER
BLDG	-BUILDING	OG	-OPEN-GRADED PAVEMENT, ORIGINAL GROUND
BLVD	-BOULEVARD		
BM	-BENCH MARK	O TO O	-OUTSIDE TO OUTSIDE
BOT	-BOTTOM	P	-POWER
BS	-BACKSLIGHT	PB	-PULL BOX
BVC	-BEGINNING OF VERTICAL CURVE	PCC	-POINT OF COMPOUND CURVE
C TO C	-CENTER TO CENTER	PCC.CONE	-PORTLAND CEMENT CONCRETE
C&G	-CURB AND GUTTER		
CATV	-CABLE TELEVISION	PI	-POINT OF INTERSECTION
CBC	-CITY OF BOULDER CITY	PL	-PROPERTY LINE
CC	-CLARK COUNTY	PL-G	-PLASTIC GAS
CF	-CURB FACE	PP	-POWER POLE
CI	-CAST IRON	PRC	-POINT OF REVERSE CURVE
CIP	-CAST IRON PIPE		
CL	-CENTER LINE	PRO	-PROPOSED
CLV	-CITY OF LAS VEGAS	PT	-POINT
COM	-CITY OF MESQUITE	PT	-POINT OF TANGENCY
CM	-CORRUGATED METAL	PVC	-POLYVINYL CHLORIDE
CMP	-CORRUGATE METAL PIPE	PVMT	-PAVEMENT
CMPA	-CORRUGATED METAL PIPE ARCH	R	-RADIUS
		RC	-REINFORCED CONCRETE
CNLV	-CITY OF NORTH LAS VEGAS	RCB	-REINFORCED CONCRETE BOX
COH	-CITY OF HENDERSON		
COL	-COLUMN	RCP	-REINFORCED CONCRETE PIPE
CP	-CONCRETE PIPE		
COORD	-COORDINATE	RD	-ROAD
CORR.I	-CORRUGATED IRON	REINF	-REINFORCED
XRD	-CROSS ROAD	RELOC	-RELOCATE
XSECT	-CROSS SECTION	RP	-RADIUS POINT
CU	-CUBIC	RR	-RAILROAD
CUYD.CY	-CUBIC YARD	RT	-RIGHT
CUFT.CF	-CUBIC FOOT	R/W	-RIGHT-OF-WAY
CULV	-CULVERT	S	-SOUTH
DEG	-DEGREE	SD	-STORM DRAIN
DEPT	-DEPARTMENT	SE	-SOUTHEAST
DI	-DROP INLET	SHP	-STEEL HIGH PRESSURE PIPE
DIP	-DUCTILE IRON PIPE		
DIA	-DIAMETER	SHT	-SHEET
DRWY	-DRIVEWAY	STL	-STREETLIGHT
EA	-EACH	S/O	-SOUTH OF
E	-EAST	SQ	-SQUARE
E	-ELECTRIC	SQ FT.SF	-SQUARE FOOT
EBS	-CATHODE PROTECTION BOND STATION	SQ IN	-SQUARE INCH
		SQ MILE	-SQUARE MILE
EC	-END OF CURVE	SQ YD.SY	-SQUARE YARD
ECR	-END OF CURB RETURN	SS	-SANITARY SEWER
EL	-ELEVATION	STA	-STATION
ELEV	-ELEVATION	STD	-STANDARD
EM	-ELECTRIC METER	STRUCT	-STRUCTURAL OR STRUCTURE
EMBK	-EMBANKMENT		
E/O	-EAST OF	SURV	-SURVEY
EO	-EDGE OF OIL	SDW	-SIDEWALK
EP	-EDGE OF PAVEMENT	SW	-SOUTHWEST
ESMT	-EASEMENT	T	-TELEPHONE
EST	-ESTIMATE	TBA	-TO BE ADJUSTED
E TO E	-END TO END	TBR	-TO BE REMOVED
ETS	-CATHODE PROTECTION TEST STATION	TC	-TOP OF CURB
		TEMP	-TEMPORARY
EVC	-END OF VERTICAL CURVE	TP	-TELEPHONE POLE
		TOP	-TOP OF PIPE
EXC	-EXCAVATION	TMH	-TOP OF MANHOLE
EXP	-EXPANSION	TS	-TRAFFIC SIGNAL
EXIST	-EXISTING	TSI	-TRAFFIC SIGNAL INTERCONNECT
EXT	-EXTENSION		
FA	-FIRE ALARM	TRANS	-TRANSITION
FG	-FINISH GRADE	TYP	-TYPICAL
FH	-FIRE HYDRANT	UDACS	-UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
FIG.	-FIGURE		
FF	-FINISH FLOOR		
FL	-FLOW LINE	UG	-UNDERGROUND
FL	-FLOOR	VAR	-VARIABLE
FPM	-FEET PER MINUTE	VC	-VERTICAL CURVE
FPS	-FEET PER SECOND	VCP	-VITRIFIED CLAY PIPE
FT	-FEET OR FOOT	VERT	-VERTICAL
F TO F	-FACE TO FACE	VG	-VALLEY GUTTER
GAL	-GALLON	W	-WATER
GALV	-GALVANIZED	WM	-WATER METER
GB	-GRADE BREAK	W/O	-WEST OF
		Yd	-Yard

PROJECT VICINITY
SEE AREA MAP



PROJECT SITE



AREA MAP
SCALE: NONE

QUANTITY ESTIMATES

ITEM #	DESCRIPTION	UNIT	QUANTITY	PUBLIC	PRIVATE
1	4" SEWER	LF	805	YES	
2	8" SEWER	LF	1642	YES	
3	12" SEWER	LF			
4	SEWER MANHOLES UNDER 6 FEET	EA		YES	
5	SEWER MANHOLES OVER 6 FEET	EA	5		
6	6" WATER MAIN	LF	148		
7	8" WATER MAIN	LF	1817	YES	
8	10" WATER MAIN	LF			
9	12" WATER MAIN	LF			
10	FIRE HYDRANT	EA	4	YES	
11	ROLL CURB & GUTTER	LF	3942		YES
12	8' WIDE VALLEY GUTTER	SF			YES
13	SIDEWALK 4"	SF	15768		YES
14	HANDICAP RAMP	EA	6		YES
15	SIDEWALK UNDERDRAIN	EA			
16	TYPE I GRAVEL BASE	CY			
17	TYPE II GRAVEL BASE	CY	1848		YES
18	5" ASPHALTIC CONCRETE PAVING	SY			
19	3" ASPHALTIC CONCRETE PAVING	SY			
20	2" ASPHALTIC CONCRETE PAVING	SY	6652		YES
21	PULLBOX	EA			
22	STREETLIGHT (STANDARD BASE)	EA			
23	SURVEY MONUMENTS	EA	7		YES
24	STREET/STOP SIGNS	EA			YES
25	8" TEE	EA	3	YES	
26	8" X 8" X 6" TEE	EA	4	YES	
27	8" GATE VALVE	EA	5		
28	8" X 6" REDUCER	EA	1		
29	8" 11.25° BEND	EA	4		
30	1" COPPER WATER SERVICE	EA	34		
31	5/8" WATER METER	EA	14		
32	3/4" WATER METER	EA	20		
33	INDIVIDUAL PRV	EA	34		

SHEET INDEX

SHEET #	SHEET	DESCRIPTION
1	C1	COVER SHEET
2	C2	VICINITY MAP, MANHOLE SCHEDULE, ABBREVIATIONS AND QUANTITIES SHEET
3	C3	GENERAL NOTES SHEET
4	C4	UTILITY PLAN (1)
5	C5	UTILITY PLAN (2)
6	G1	GRADING PLAN (1)
7	G2	GRADING PLAN (2)
8	SS1	SANITARY SEWER PLAN AND PROFILE BLUE WHIRLPOOL AVE 10+16.51 - 19+81.92
9	SS2	SANITARY SEWER PLAN AND PROFILE MAJESTIC SPRINGS DR 14+79.15 - 19+54.17
10	SS3	SANITARY SEWER PLAN AND PROFILE SUMMER SPLASH CT 10+00.00 - 13+81.47
11	SD1	DETAIL SHEET

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT DATE

25821

REVISION

REV	DATE	BY

DATE:- Dec. 20, 1999
TIME:- 13:18:53
FILE:- n:\98902703\land\unit13b\vicinity.dgn

THE GATES, L.L.C.
7201 WEST LAKE MEAD BOULEVARD
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LAS VEGAS, NEVADA 89128

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Fax (702) 368-0047

CONSULTANTS, INC.
PLANNING LAND DEVELOPMENT

SHEET VICINITY MAP, MANHOLE SCHEDULE, QUANTITIES AND ABBREVIATIONS

TITLE LYNBROOK UNIT 13B

DRAWN BY: GA/ED/RS
DESIGNED BY: GB/GA/ED/FT
CHECKED BY: MPV
PROJECT NO:
SCALE:

SEAL

PROFESSIONAL ENGINEER-STATE OF NEVADA
MICHAEL P. VIA FANDO
CIVIL
No. 12631
12/20/99

SHEET C2
2 OF 11 SHEETS

CLV DRAWING NO.
107Y-4576-13B