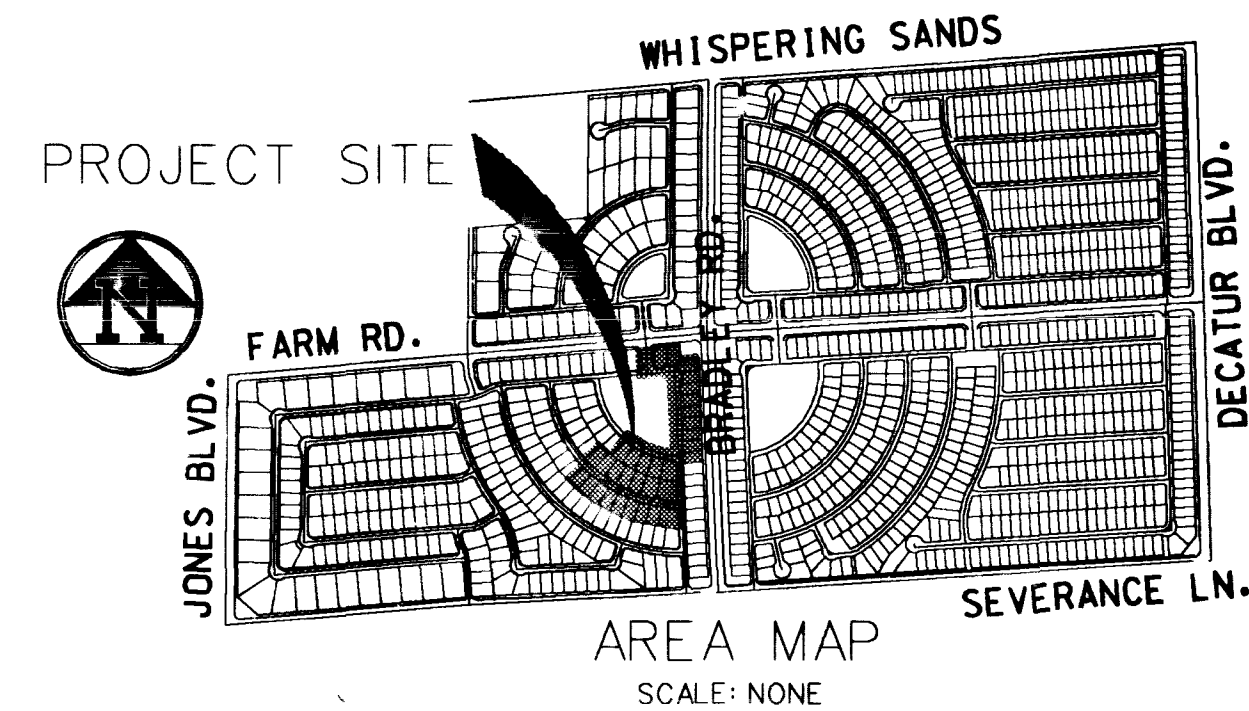


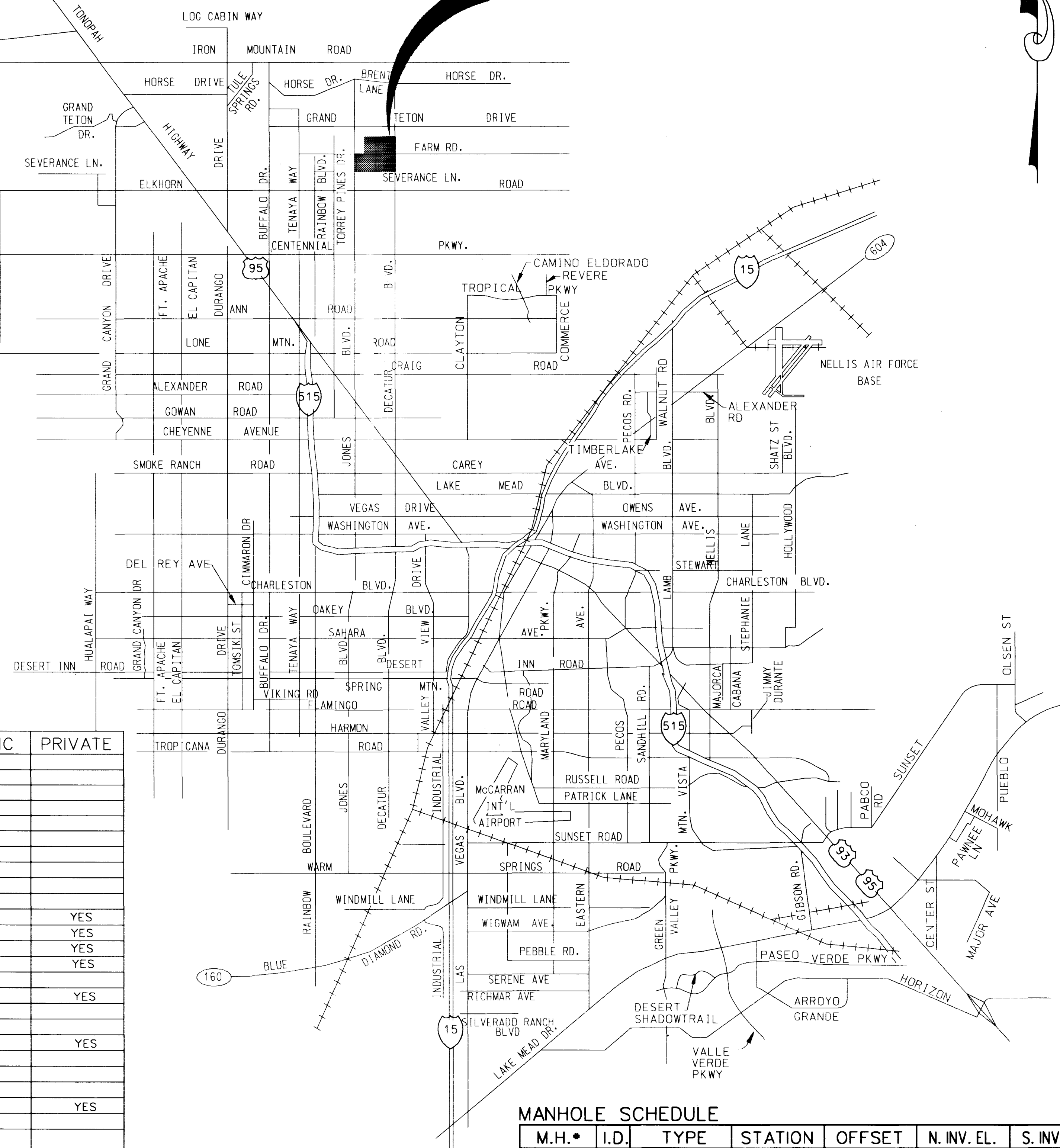
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PROJECT VICINITY
SEE AREA MAP



QUANTITY ESTIMATES

#	DESCRIPTION	UNIT	QUANTITY	PUBLIC	PRIVATE
	4" SEWER	LF	764	YES	
	8" SEWER	LF	2265	YES	
	12" SEWER	LF			
	SEWER MANHOLES UNDER 6 FEET	EA	8	YES	
	SEWER MANHOLES OVER 6 FEET	EA			
6	6" WATER MAIN	LF			
7	8" WATER MAIN	LF	1196	YES	
8	10" WATER MAIN	LF			
9	12" WATER MAIN	LF			
10	FIRE HYDRANT	EA	5	YES	
11	CURB & GUTTER (ROLL TYPE)	LF	3701		YES
12	VALLEY GUTTER (8" WD)	SF	2123		YES
13	SIDEWALK 4"	SF	14896		YES
14	HANDICAP RAMP	EA	6		YES
15	TYPE I GRAVEL BASE	CY			
16	TYPE II GRAVEL BASE	CY	2341		YES
17	5" ASPHALTIC CONCRETE PAVING	SY			
18	3" ASPHALTIC CONCRETE PAVING	SY			
19	2" ASPHALTIC CONCRETE PAVING	SY	7327		YES
20	PULLBOX	EA			
21	STREETLIGHT (STANDARD BASE)	EA			
22	SURVEY MONUMENTS	EA	6	YES	
23	STREET/STOP SIGNS	EA			YES
24	5/8" WATER METER	EA	32	YES	
25	5/8" W.M. FOR FUTURE UNIT 3B (LOTS-145-150)	EA	6	YES	
26	8" TEE	EA	4	YES	
27	8" X 6" TEE	EA	5	YES	
28	8" GATE VALVE	EA	5	YES	
29	8" - 5° BEND	EA	2	YES	
30	8" - 25° BEND	EA	4	YES	
31	1" COPPER WATER LATERAL	EA	38	YES	
32	INDIVIDUAL PRV's	EA	38		YES



MANHOLE SCHEDULE

M.H.*	I.D.	TYPE	STATION	OFFSET	N. INV. EL.	S. INV. EL.	W. INV. EL.	E. INV. EL.	COMMENTS
37	48"	STANDARD	22+71.06	10.00' RT	2325.56		2325.56	2325.36	
38	48"	STANDARD	"K" 1+14.90	10.00' LT		2324.48	2324.68		
39	48"	STANDARD	19+86.65	14.00' RT	2323.53	2323.53			
40	48"	STANDARD	17+19.91	9.00' RT	2322.19	2321.99	2322.19		
41	48"	STANDARD	14+63.86	9.00' RT	2320.71	2320.51	2320.71		
42	48"	STANDARD	13+55.38	5.00' RT			2325.51	2325.31	
43	48"	STANDARD	13+87.12	5.00' RT			2325.73	2325.53	
44	48"	STANDARD	17+42.32	5.00' RT			2323.74	2323.54	

ABBREVIATIONS

B	-	BT	-	GR	-	GALVANIZED IRON
ABAN	-	-ANODE, GAS	-	GM	-	GUM WATER
ABBR	-	-ABANDON	-	GS	-	GAS PRESSURE REGULATOR
ABD	-	-ABANDONED	-	GUT	-	GUTTER
ABUT.	-	-ABUTMENT	-	HDML	-	HEADWALL
AC	-	-ACRE	-	H.O.A.	-	HOME OWNERS ASSOCIATION
AC	-	-ASPHALTIC CONCRETE	-	HORIZ.	-	HORIZONTAL
ADD.	-	-ASBESTOS CEMENT PIPE	-	HGT	-	HIGH POINT
ADJ	-	-ADDITION	-	HD	-	INSIDE DIAMETER
ADGATE	-	-ADJUSTING	-	IN	-	INCH
AIP	-	-ADVERTISE	-	INT	-	INTERSECTION
ALT	-	-ABANDONED IN PLACE	-	INV	-	INVERT
APPRO	-	-ALTERNATE	-	ISHD	-	ISLAND
APPROX	-	-APPROVED	-	JB	-	JUNCTION BOX
ASB	-	-APPROXIMATE	-	JCT	-	JUNCTION
ASPH	-	-ASBESTOS	-	W"	-	W/
ASN	-	-ASPHALT	-	JT	-	JOINT
ASST	-	-ASSOCIATION	-	LAT	-	LATITUDE
AUX	-	-ASSISTANT	-	LIN	-	LINE IN
AVE	-	-AUXILIARY	-	LF	-	LINEAR FOOT
B	-	-AVENUE	-	LQC	-	LENGTH OF CURB
B TO B	-	-BACK TO BACK	-	LVWD	-	LAS VEGAS VALLEY
BCPA	-	-BACK TO CURB	-	MAX	-	WATER DISTRICT
BCPCMP	-	-BITUMINOUS COATED	-	MH	-	MANHOLE
BCPPA	-	-PIPE ARCH CULVERT	-	MIN	-	MINIMUM
	-	-BITUMINOUS COATED & PAVED CORRUGATED	-	MON	-	MONOLITHIC
	-	-METAL PIPE CULVERT	-	N	-	NORTH
	-	-BITUMINOUS COATED & PAVED PIPE ARCH CULVERT	-	NE	-	NORTHEAST
	-	-BACK OF CURB RADIUS	-	N/O	-	NORTH OF
BCR	-	-BOUNDARY LINE	-	NTS	-	NOT TO SCALE
BGG	-	-BUILDING	-	OC	-	ON CENTER
BLVD	-	-BOULEVARD	-	OD	-	OUTSIDE DIAMETER
BOT	-	-BENCH MARK	-	OP	-	OPEN GRADED PAVEMENT
BS	-	-BOTTOM	-	OC	-	ORIGINAL GROUND
SVC	-	-BACKSIGHT	-	O D	-	PULL TO OUTSIDE
	-	-BEGINNING OF VERTICAL CURVE	-	P	-	POLE
C TO C	-	-CENTER TO CENTER	-	PCC	-	PULL BOX
CATV	-	-CABLE AND GUTTER	-	PCC, CONC	-	POINT OF COMPOUND CURVE
CBC	-	-CABLE TELEVISION	-	PI	-	PORTLAND CEMENT CONCRETE
CF	-	-CITY OF BOULDER CITY	-	PI	-	POINT OF INTERSECTION
CIP	-	-CLARK COUNTY	-	PL	-	PROPERTY LINE
CL	-	-CURB FACE	-	PL G	-	POINT OF GAS
CLV	-	-CAST IRON	-	PRC	-	POWER POLE
COM	-	-CAST IRON PIPE	-	PRC	-	POINT OF REVERSE CURVE
CM	-	-CENTER LINE	-	PRO	-	PROPOSED
CMPA	-	-CITY OF LAS VEGAS	-	PT	-	POINT
CNLV	-	-CITY OF MESQUITE	-	PT	-	POINT OF TANGENCY
COH	-	-CORRUGATED METAL	-	PVC	-	POLYVINYL CHLORIDE
COLN	-	-CORRUGATED METAL PIPE	-	PVMT	-	PAVEMENT
COOR	-	-ARCH	-	R	-	RADIUS
CORR. I	-	-CITY OF NORTH LAS VEGAS	-	RCB	-	REINFORCED CONCRETE
XRD	-	-CITY OF HENDERSON	-	RCB	-	REINFORCED CONCRETE BOX
XSECT	-	-COLUMN	-	RCP	-	REINFORCED CONCRETE PIPE
CU	-	-CONCRETE PIPE	-	REINF	-	REINFORCED
CUBD, CY	-	-CORDONATE	-	RELOC	-	RELOCATE
CUL, CF	-	-CORRUGATED IRON	-	RPT	-	RAILROAD POINT
CULV	-	-CROSS ROAD	-	RR	-	RAILROAD
DEED	-	-CROSS SECTION	-	RT	-	RIGHT
DIP	-	-CUBIC	-	R/W	-	RIGHT-OF-WAY
DRWY	-	-CUBIC YARD	-	S	-	SOUTH
E	-	-CUBIC FOOT	-	SD	-	STORM DRAIN
EB	-	-CULVERT	-	SE	-	SOUTHEAST
EB	-	-DEGREE	-	SH	-	SHEET
EC	-	-DEPARTMENT	-	SHL	-	SHEET LIGHT
EC	-	-DROP INLET	-	STL	-	SOUTH
ECR	-	-DUCTILE IRON PIPE	-	SQ	-	SQUARE
ELEV	-	-DIAMETER	-	SQ FT, SF	-	SQUARE FOOT
ELEV	-	-DRIVEWAY	-	SQ INCH	-	SQUARE INCH
EMB	-	-EACH	-	SQ MILE	-	SQUARE MILE
EMK	-	-EAST	-	SQ YD, SY	-	SQUARE YARD
EO	-	-ELECTRIC	-	STA.	-	STATION
EP	-	-CATHODE PROTECTION	-	STAND	-	STANDARD
ESMT	-	-BOND STATION	-	STRUCT	-	STRUCTURAL OR STRUCTURE
EST	-	-END OF CURVE	-	SURV	-	SURVEY
ETS	-	-END OF CURB RETURN	-	SW	-	SIDEWALK
EVC	-	-ELEVATION	-	SW	-	SOUTHWEST
	-	-ELEVATION	-	TEL	-	TELEPHONE
	-	-ELECTRIC METER	-	TBA	-	TO BE ADJUSTED
	-	-EMBANKMENT	-	TBR	-	TO BE REMOVED
	-	-EAST OF	-	TC	-	TOP OF CURB
	-	-EDGE OF OIL	-	TEMP	-	TEMPORARY
	-	-EDGE OF PAVEMENT	-	TEP	-	TELEPHONE POLE
	-	-SEGMENT	-	TOP	-	TOP OF PIPE
	-	-ESTIMATE	-	TMH	-	TOP OF MANHOLE
	-	-END TO END	-	TS	-	TRAFFIC SIGNAL
	-	-CATHODE PROTECTION	-	TS	-	TRAFFIC SIGNAL
	-	-TEST STATION	-	TRANS	-	INTERCONNECT
	-	-END OF VERTICAL CURVE	-	UDACS	-	TRANSITION
	-	-EXCAVATION	-		-	TYPICAL
	-	-EXPANSION	-	UG	-	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
	-	-EXISTING	-	VAR	-	-VARIABLE
	-	-EXTENSION	-	VC	-	-VERTICAL CURVE
	-	-FARE ALARM	-	VCI	-	-VERTICAL CLAY PIPE
	-	-FINISH GRADE	-	VERT	-	-VERTICAL
	-	-FINISH HYDRANT	-	VG	-	-VALLEY GUTTER
	-	-FIGURE	-	W	-	-WATER
	-	-FINISH FLOOR	-	WM	-	-WATER METER
	-	-FLOOR LINE	-	WO	-	-WEST OF
	-	-FEET PER MINUTE	-	YO	-	-YARD
	-	-FEET PER SECOND	-		-	
	-	-FEET OR FOOT	-		-	
	-	-FACE TO FACE	-		-	
	-	-GALLON	-		-	
	-	-GALVANIZED	-		-	
	-	-GRADE BREAK	-		-	

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT DATE

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
5	C5	UTILITY PLAN
6	G1	GRADING PLAN
7	G2	GRADING PLAN
8	SS1	SANITARY SEWER PLAN AND PROFILE PEACEFUL BROOK ST. STA. 13+42.09 TO STA. 21+00.00
9	SS2	SANITARY SEWER PLAN AND PROFILE MORNING BROOK DR.. STA. 14+58.61 TO 20+49.23
10	SS3	SANITARY SEWER PLAN AND PROFILE EVENING BROOK, MAJESTIC TIDE, RAINBOW SPRAY STATIONS VARY
11	D1	DETAIL SHEET

SHEET
**VICINITY MAP, MANHOLE
SCHEDULE, QUANTITIES
AND ABBREVIATIONS**

LYNBROOK
UNIT 3A

DRAWN BY: GA/ED/RS DESIGNED BY: CB/GA/ED/FT CHECKED BY: MP/V SCALE:	PROJECT NO:

SEAL

4/14/74

SHEET
C2
 2 OF 11 SHEETS

CLY. DRAWING NO.
 107V-4576-3A

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PROJECT VICINITY
SEE AREA MAP



QUALITY ESTIMATES

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

MATERIAL QUANTITIES

NO.	UNIT	QTY	DESCRIPTION	EST. PRICE	EST. PRICE	EST. PRICE	EST. PRICE	EST. PRICE	EST. PRICE
1	CU YD	100	GRAVEL	100	100	100	100	100	100
2	CU YD	100	CRUSHED ROCK	100	100	100	100	100	100
3	CU YD	100	CONCRETE	100	100	100	100	100	100
4	CU YD	100	ASPHALT	100	100	100	100	100	100
5	CU YD	100	CEMENT	100	100	100	100	100	100
6	CU YD	100	SAND	100	100	100	100	100	100
7	CU YD	100	BRICK	100	100	100	100	100	100
8	CU YD	100	ROOFING	100	100	100	100	100	100
9	CU YD	100	PAINT	100	100	100	100	100	100
10	CU YD	100	WATER	100	100	100	100	100	100
11	CU YD	100	ELECTRICITY	100	100	100	100	100	100
12	CU YD	100	TELEPHONE	100	100	100	100	100	100
13	CU YD	100	PLUMBING	100	100	100	100	100	100
14	CU YD	100	MECHANICAL	100	100	100	100	100	100
15	CU YD	100	LANDSCAPING	100	100	100	100	100	100
16	CU YD	100	CONCRETE	100	100	100	100	100	100
17	CU YD	100	ASPHALT	100	100	100	100	100	100
18	CU YD	100	CEMENT	100	100	100	100	100	100
19	CU YD	100	SAND	100	100	100	100	100	100
20	CU YD	100	BRICK	100	100	100	100	100	100
21	CU YD	100	ROOFING	100	100	100	100	100	100
22	CU YD	100	PAINT	100	100	100	100	100	100
23	CU YD	100	WATER	100	100	100	100	100	100
24	CU YD	100	ELECTRICITY	100	100	100	100	100	100
25	CU YD	100	TELEPHONE	100	100	100	100	100	100
26	CU YD	100	PLUMBING	100	100	100	100	100	100
27	CU YD	100	MECHANICAL	100	100	100	100	100	100
28	CU YD	100	LANDSCAPING	100	100	100	100	100	100
29	CU YD	100	CONCRETE	100	100	100	100	100	100
30	CU YD	100	ASPHALT	100	100	100	100	100	100
31	CU YD	100	CEMENT	100	100	100	100	100	100
32	CU YD	100	SAND	100	100	100	100	100	100
33	CU YD	100	BRICK	100	100	100	100	100	100
34	CU YD	100	ROOFING	100	100	100	100	100	100
35	CU YD	100	PAINT	100	100	100	100	100	100
36	CU YD	100	WATER	100	100	100	100	100	100
37	CU YD	100	ELECTRICITY	100	100	100	100	100	100
38	CU YD	100	TELEPHONE	100	100	100	100	100	100
39	CU YD	100	PLUMBING	100	100	100	100	100	100
40	CU YD	100	MECHANICAL	100	100	100	100	100	100
41	CU YD	100	LANDSCAPING	100	100	100	100	100	100
42	CU YD	100	CONCRETE	100	100	100	100	100	100
43	CU YD	100	ASPHALT	100	100	100	100	100	100
44	CU YD	100	CEMENT	100	100	100	100	100	100
45	CU YD	100	SAND	100	100	100	100	100	100
46	CU YD	100	BRICK	100	100	100	100	100	100
47	CU YD	100	ROOFING	100	100	100	100	100	100
48	CU YD	100	PAINT	100	100	100	100	100	100
49	CU YD	100	WATER	100	100	100	100	100	100
50	CU YD	100	ELECTRICITY	100	100	100	100	100	100
51	CU YD	100	TELEPHONE	100	100	100	100	100	100
52	CU YD	100	PLUMBING	100	100	100	100	100	100
53	CU YD	100	MECHANICAL	100	100	100	100	100	100
54	CU YD	100	LANDSCAPING	100	100	100	100	100	100
55	CU YD	100	CONCRETE	100	100	100	100	100	100
56	CU YD	100	ASPHALT	100	100	100	100	100	100
57	CU YD	100	CEMENT	100	100	100	100	100	100
58	CU YD	100	SAND	100	100	100	100	100	100
59	CU YD	100	BRICK	100	100	100	100	100	100
60	CU YD	100	ROOFING	100	100	100	100	100	100
61	CU YD	100	PAINT	100	100	100	100	100	100
62	CU YD	100	WATER	100	100	100	100	100	100
63	CU YD	100	ELECTRICITY	100	100	100	100	100	100
64	CU YD	100	TELEPHONE	100	100	100	100	100	100
65	CU YD	100	PLUMBING	100	100	100	100	100	100
66	CU YD	100	MECHANICAL	100	100	100	100	100	100
67	CU YD	100	LANDSCAPING	100	100	100	100	100	100
68	CU YD	100	CONCRETE	100	100	100	100	100	100
69	CU YD	100	ASPHALT	100	100	100	100	100	100
70	CU YD	100	CEMENT	100	100	100	100	100	100
71	CU YD	100	SAND	100	100	100	100	100	100
72	CU YD	100	BRICK	100	100	100	100	100	100
73	CU YD	100	ROOFING	100	100	100	100	100	100
74	CU YD	100	PAINT	100	100	100	100	100	100
75	CU YD	100	WATER	100	100	100	100	100	100
76	CU YD	100	ELECTRICITY	100	100	100	100	100	100
77	CU YD	100	TELEPHONE	100	100	100	100	100	100
78	CU YD	100	PLUMBING	100	100	100	100	100	100
79	CU YD	100	MECHANICAL	100	100	100	100	100	100
80	CU YD	100	LANDSCAPING	100	100	100	100	100	100
81	CU YD	100	CONCRETE	100	100	100	100	100	100
82	CU YD	100	ASPHALT	100	100	100	100	100	100
83	CU YD	1							