

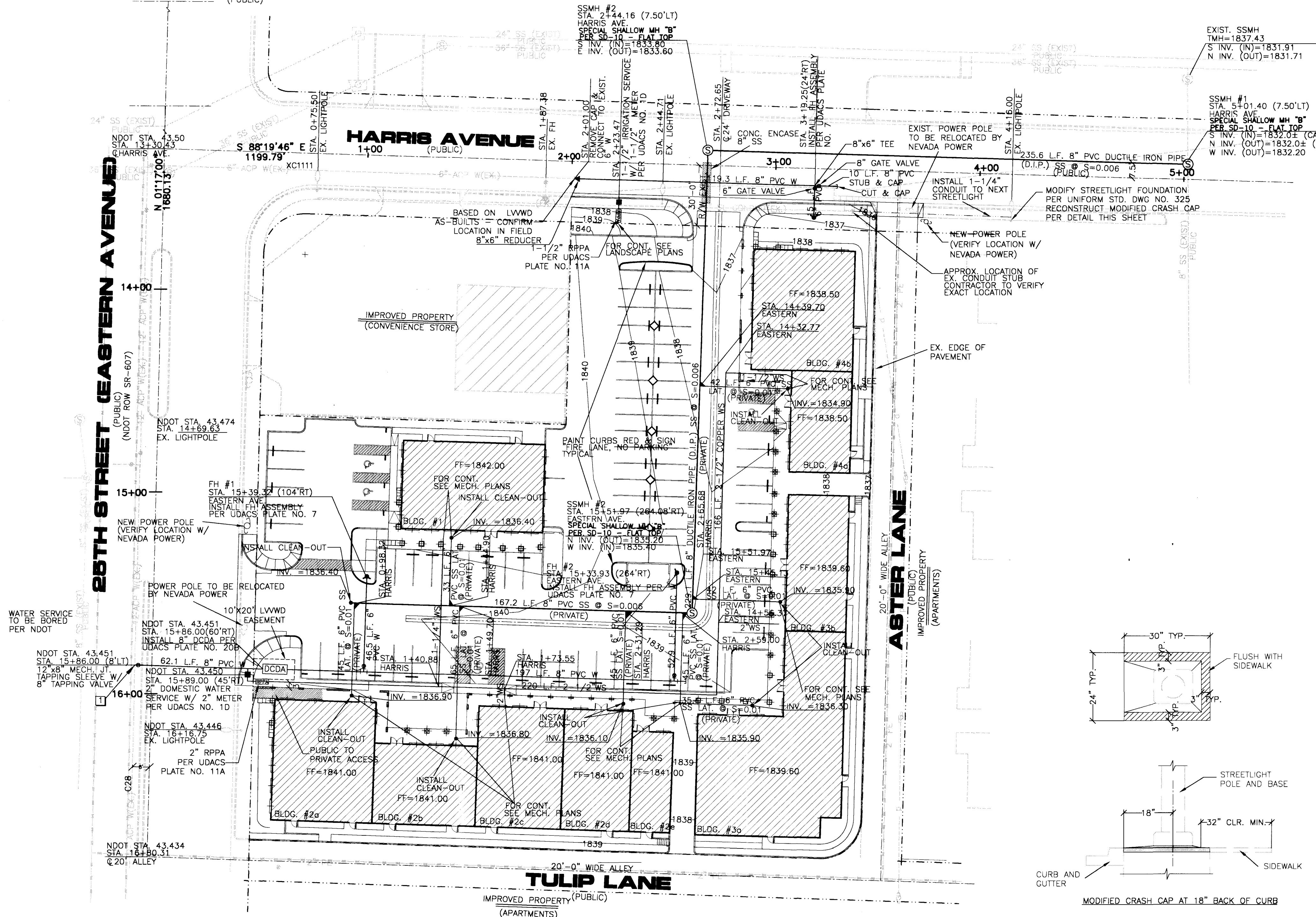
**WASHINGTON AVENUE**  
(PUBLIC)

**28TH STREET (EASTERN AVENUE)**  
(PUBLIC)  
(NOT ROW SR-607)

**HARRIS AVENUE**  
(PUBLIC)

**ASTER LANE**  
(PUBLIC)  
(APARTMENTS)

**TULIP LANE**  
(PUBLIC)  
(APARTMENTS)

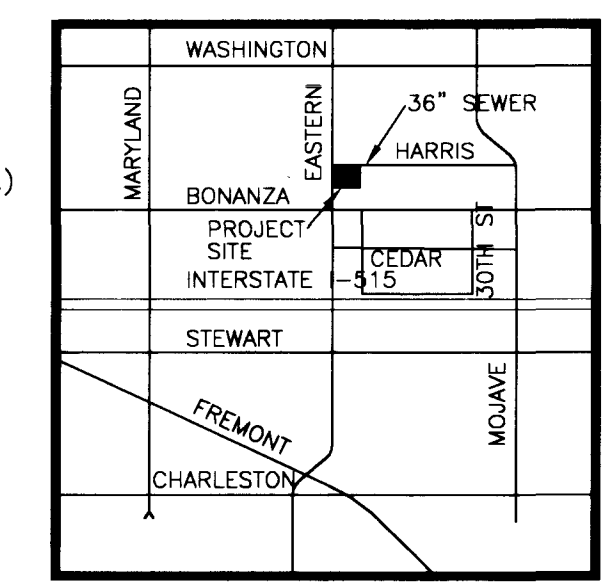
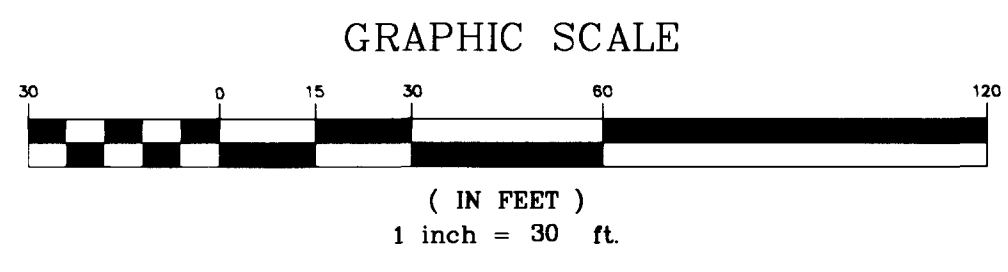


**FIRE HYDRANT INSTALLATION**  
FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7.

**Call before you Dig.**  
1-800-227-2600

**BASIS OF BEARINGS**  
SOUTH 01°17'00" WEST ALONG THE WESTERLY LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M.

**BENCHMARK**  
CITY OF LAS VEGAS BM#2LV0125SW6, RIVET AND PLATE IN TOP OF CURB, SE RETURN EASTERN AVE. AND HARRIS AVE.  
NAVD 88 DATUM  
ELEVATION = 1840.795 FEET  
ELEVATION = 561.0755 METERS



**LOCATION**

8" SEWER DISCHARGES INTO 36" SEWER AT CEDAR AVE. & 30TH STREET, SEE LOCATION MAP

**SEWER CONTRIBUTION**

AVERAGE FLOW = 0.0026 MGD  
PEAK FLOW = 0.0102 MGD

**LAS VEGAS FIRE DEPARTMENT**

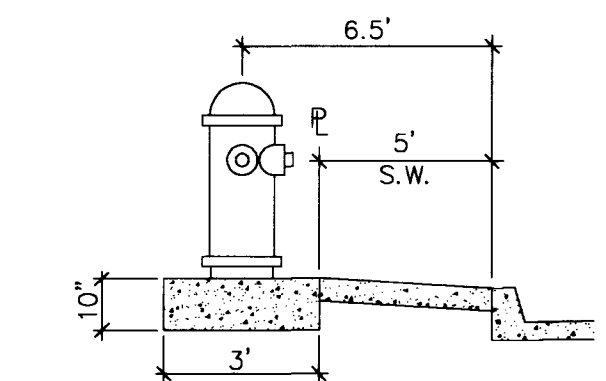
FIRE FLOW IS: 2.750 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON

- SQUARE FOOTAGE	10,560 S.F.
- LARGEST AREA BETWEEN 4-HR AREA SEPARATION WALLS	N/A
- TYPE OF CONSTRUCTION	TYPE V, N
- BUILDING HEIGHT	28'-8" MAX.
- NUMBER OF STORIES	1
- OCCUPANCY	B
- FULL AUTOMATIC FIRE SYSTEM	NO
- REVIEWED BY	MA
- DATE	11-6-98

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.



**FIRE HYDRANT DETAIL CONSTRUCTION NOTES**

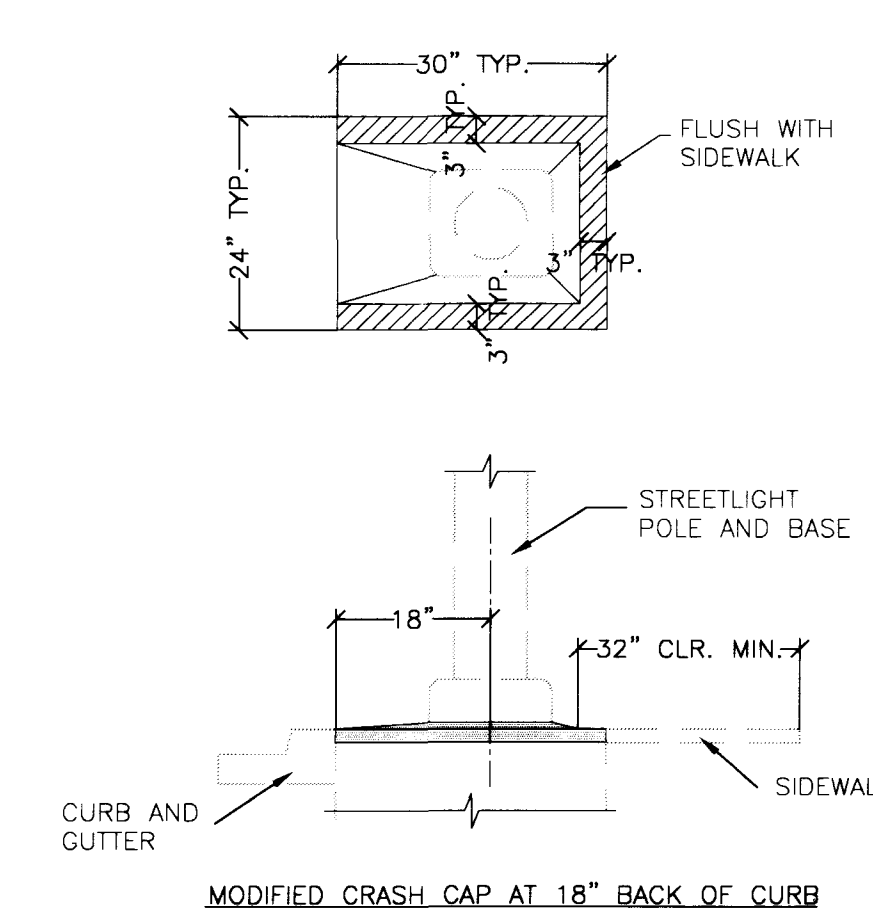
12"x8" MECH. JT. TAPPING TEE W/ 8" TAPPING VALVE.  
ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. W. BOX, W.M.H., ANODE BOX, FH, TEL. BOX, ETC.)

**SANITARY SEWER MANHOLE SCHEDULE**

M.H.#	TYPE	STATION	OFFSET	N. INV. EL.	S. INV. EL.	E. INV. EL.	W. INV. EL.
1	SPECIAL MH 8" - SD-10	15+51.97	7.50 FT	1832.0±	1832.2±	-	1832.20
2	SPECIAL MH 8" - SD-10	2+44.16	7.50 FT	-	1833.15	1832.95	-
3	SPECIAL MH 8" - SD-10	15+51.97	264.08 FT	1835.60	-	-	1835.40

**QUANTITY ESTIMATES**

ITEM #	DESCRIPTION	UNIT	QUANTITY	PUBLIC	PRIVATE
01	6" SEWER	L.F.	352.4	-	352.4
02	8" SEWER	L.F.	631.4	235.6	395.3
05	SEWER MANHOLE UNDER 6'	EA.	3	2	1
08	6" WATER	L.F.	114.4	15	99.4
09	8" WATER	L.F.	388.4	191.4	197
13	WATER SERVICE TO LOTS	EA.	2	2	-
14	FIRE HYDRANT	EA.	3	2	2
-	6" GATE VALVE (N.R.S.)	EA.	3	1	2
-	8"x8" TEE	EA.	3	1	2
-	8"x6" REDUCER	EA.	1	1	-
-	6"x6"x4" WYE	EA.	6	-	6
-	2"-1/2" COPPER WATER SERVICE	L.F.	364.5	-	364.5
-	18" ROP STORM DRAIN	L.F.	3	3	-
-	60" STD. MANHOLE	EA.	1	-	-
-	48" STD. MANHOLE	EA.	3	-	3
-	8" GATE VALVE (N.R.S.)	EA.	1	1	-
-	12"x8" M.J. TAPPING SLEEVE W/ 8" TAPPING VALVE	EA.	1	1	-
-	2" WATER METER	EA.	1	1	-
-	1"-1/2" WATER METER	EA.	1	1	-
-	8" DCCDA	EA.	1	1	-
-	2" RPPA	EA.	1	1	-
-	1-1/2" RPPA	EA.	1	1	-



**STREETLIGHT LOCATION AT BACK OF CURB TYPICAL**

PROJECT NAME: **ESCOBEDO PLAZA**  
P. 5 OF 11.  
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time and this signature does not provide or imply a water commitment.  
*Gay Lang* 11-06-98  
LVVWD DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT DATE

**REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1-1/2" & (1) 2"**  
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.  
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

**INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (1) 8"**  
THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE 20B.  
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

**NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED**  
AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY

**NOTE:**

ALL DIMENSIONS TO UTILITIES ARE TO BE CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.  
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.  
GCC ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

EDMUNDO & PANFLA ESCOBEDO  
3008 HOLLY HILL DR  
LAS VEGAS, NEVADA 89104-4305

Gomez,  
CONSULTING GROUP, INC.  
HENDERSON, NEVADA 89015-7304  
(702) 566-0440

MASTER UTILITY PLAN  
ESCOBEDO PLAZA

SHEET 5 OF 11 SHEETS  
DRAWING NO. 107-V2888

SCALE: 1" = 30'  
DATE: 12-MAR-98

PROJECT NO: 97-0001

DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
DRAWN BY: [Signature]

SEAL: [Professional Engineer Seal]

IN EXISTENCE  
BEFORE THE

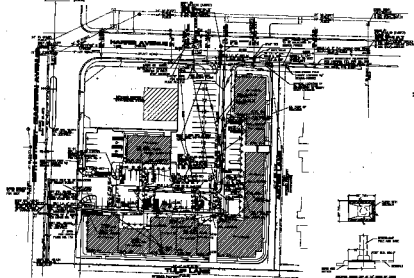
STATE OF MICHIGAN  
DEPARTMENT OF  
1400 007-000  
SEWER-MADE  
U.S.A. 1967  
1968

GRAPHIC SCALE



WASHINGTON AVENUE

HARRIS AVENUE



LOCATION

**SEWER CONTRIBUTION  
SCHEDULE**

FOR SEWER TREATMENT  
PLANT NO. 1

NO.	NAME	CONTRIBUTION
1	...	...
2	...	...
3	...	...
4	...	...
5	...	...
6	...	...
7	...	...
8	...	...
9	...	...
10	...	...
11	...	...
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13	...	...
14	...	...
15	...	...
16	...	...
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18	...	...
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44	...	...
45	...	...
46	...	...
47	...	...
48	...	...
49	...	...
50	...	...



**PIPE HYDRANT INSTALL  
CONSTRUCTION NOTES**

1. SEE PLAN FOR LOCATION OF HYDRANT  
2. HYDRANT SHALL BE 12" DIA.

**SANITARY SEWER MANHOLE SCHEDULE**

NO.	DESCRIPTION	DIAMETER	DEPTH	CONCRETE	IRON	STEEL	GLASS	OTHER
1	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...
32	...	...	...	...	...	...	...	...
33	...	...	...	...	...	...	...	...
34	...	...	...	...	...	...	...	...
35	...	...	...	...	...	...	...	...
36	...	...	...	...	...	...	...	...
37	...	...	...	...	...	...	...	...
38	...	...	...	...	...	...	...	...
39	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...
41	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...
43	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...
45	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...
47	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...
49	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...



STREETLIGHT LOCATION  
AT BACK OF CURB TYPICAL

BY *[Signature]*  
DATE

DESIGNED BY  
CHECKED BY  
DATE

APPROVED BY  
DATE

SEWER SERVICE DISTRICT NO. 1  
1400 007-000

NOTES  
1. SEE PLAN FOR LOCATION OF HYDRANT  
2. HYDRANT SHALL BE 12" DIA.

SEWER SERVICE DISTRICT NO. 1  
1400 007-000

MASTER UTILITY PLAN  
PROJECT NO. 1400 007-000  
DATE