

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITION TO BE DETERMINED BY CITY ENGINEER.
- 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.
- CONSTRUCTION TO BE PER UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS, CITY OF LAS VEGAS, NEVADA, 1978 EDITION.
- 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 THE FINISHED WORK.
- USE TYPE V CONCRETE IN ALL OFFSITE CONCRETE WORK.
- CHISEL S. & G. WHERE THESE LINES PASS UNDER THE CURB.
- ALL CONCRETE SWALES (VALLEY GUTTERS, CURBS, ETC.) ARE TO BE TESTED FOR FLOW AS SOON AS POSSIBLE AFTER CONSTRUCTION TO INSURE POSITIVE DRAINAGE.

SEWER NOTES

- BUILDING SERVICES SHALL COMPLY WITH THE WESTERN PLUMBING CODE.
- CONCRETE COLLARS REQUIRED AROUND WATER VALVES AND MANHOLE COVERS AT SURFACE OF PAVED AREAS, PER C.L.V. STANDARD DRAWING 512.9.

STREET LIGHT NOTES

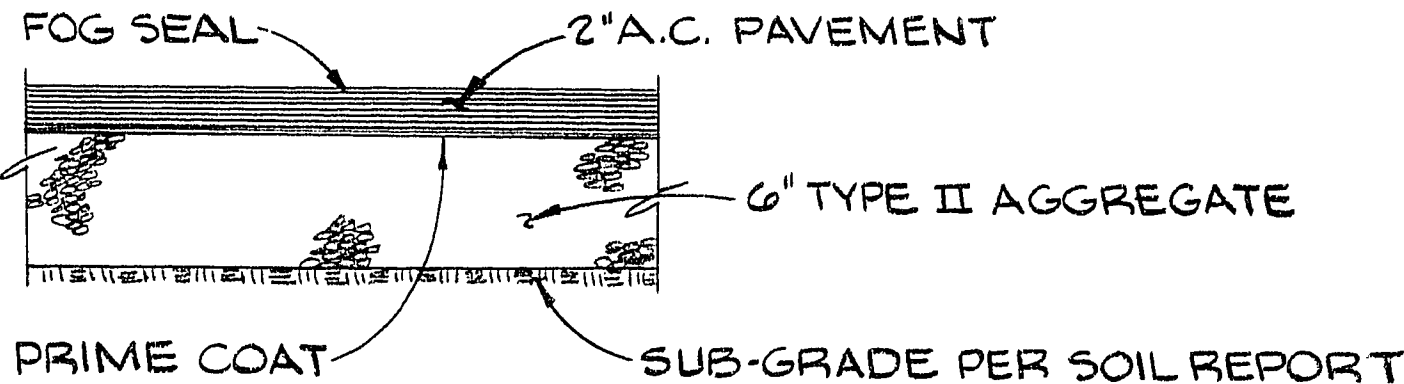
- ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE LATEST ISSUE OF THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, 1978, UNLESS OTHERWISE NOTED.

PAVING NOTES (ON-SITE)

- A.C. PAVEMENT TO BE 1/2" ABOVE LIP OF GUTTER AFTER COMPACTION.
- SUBGRADE FOR TYPE 1 UNDER CURB AND GUTTER AND UNDER A.C. TO BE CONTINUOUS.
- REFER TO SOIL AND FOUNDATION INVESTIGATION BY CONVERSE/WARD/DAVIS/DIXON FOR SOIL RECOMMENDATIONS; PROJECT NO. 80-3246 AUGUST 29, 1980.

BENCH MARK

CITY OF LAS VEGAS BRASS CAP. NO. 06129 D3P IN TOP OF CURB 140+ WEST OF PROJECT; SOUTH SIDE OF BONANZA.
ELEV. = 2080.22 C.L.V. DATUM



ON-SITE PAVEMENT SECTION

ESTIMATE OF QUANTITIES

PAVEMENT AND CONCRETE	ON-SITE	OFF-SITE
"L" TYPE CURB AND GUTTER	494 L.F.	157 L.F.
"A" TYPE CURB	2,385 L.F.	26 L.F.
VALLEY GUTTER	1,269 S.F.	39 S.F.
CONCRETE CHANNEL (THRU PLANTERS)	19 L.F.	--
4" CONCRETE SIDEWALK*	8,923 S.F.	1,652 S.F.
COMMERCIAL DRIVEWAY	-	448 S.F.
3" ASPHALTIC PAVEMENT	-	75 S.Y.*
2" ASPHALTIC PAVEMENT	5,550 S.Y.	65 S.Y.
TYPE II AGGREGATE BASE	1,040 C.Y.	125 C.Y.

WATER	ON-SITE	OFF-SITE
STANDARD FIRE HYDRANT ASSEMBLY	3 E.A.	--
6" ACP WATER LINE	908 L.F.	120 L.F.
6" WET TAP W/TAPPING TEE	-	2 E.A.
6" TAPPING VALVE	-	2 E.A.
6" N.R.S. GATE VALVE W/VALVE BOX AND COVER	6 E.A.	--
2" LATERAL	209 L.F.	--
2" METER (BY L.V.V.W.D.)	5 E.A.	--
SEWER		
STANDARD CLEANOUT ASSEMBLY	9 E.A.	--
6" SEWER LINE	836 L.F.	69 L.F.

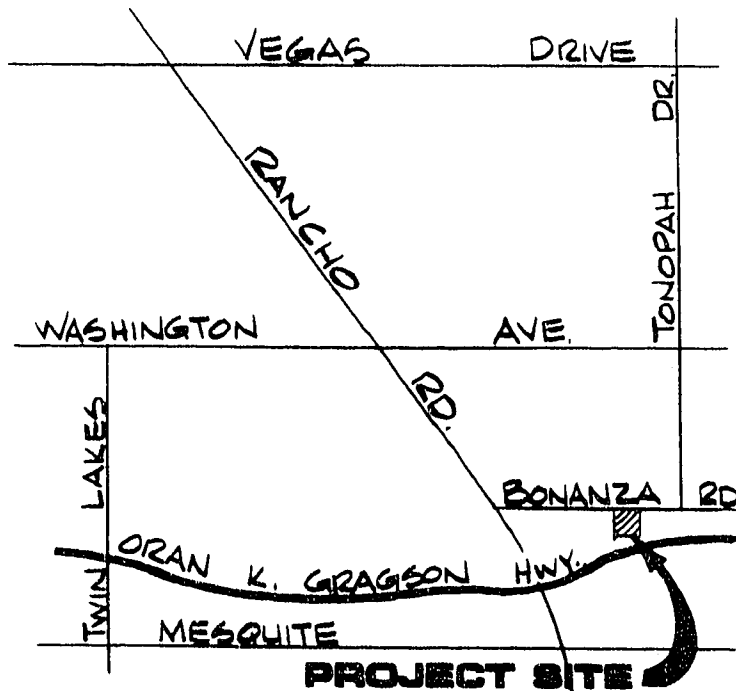
MISCELLANEOUS		
RETAINING WALL (HEIGHT VARIES) W/ STANDARD BLOCK WALL	1,011 L.F.	26 L.F.
UNDER SIDEWALK DRAIN W/STEEL PLATE	1 E.A.	--
UNDER SIDEWALK DRAIN W/PVC PIPE	8 E.A.	--
*EXCLUDING SIDEWALK WITHIN POOL & REC. AREA		

EARTHWORK
SUBSIDENCE : 0.2' to 1.0' DEPTH
SHRINKAGE : TO BE DETERMINED IN FIELD BY SOILS ENGINEER AT TIME OF REPORT

CUT 50 C.Y.
FILL 12,200 C.Y.
IMPORT (IN PLACE) = 12,150 C.Y.

* SEE "NOTE " SHEET 6

INDEX OF DRAWINGS	
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VICINITY MAP

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS COMPLY WITH THE OBJECTIVE MINIMUM PROPERTY STANDARDS, LOCAL ACCEPTABLE STANDARDS AND REQUIREMENTS, AND REPRESENT THE BEST OF MY PROFESSIONAL JUDGMENT.

LEONARDO M. GARCIA R.P.E. NO. 3794

4/12/83 DATE

APPROVALS:

CLV ENGINEER 4/29/83 DATE
CLV QUALITY CONTROL ENGINEER 4/29/83 DATE

DESCRIPTION
REV DATE
1/2/83
2/2/83
3/2/83
4/12/83
R.E. NO. 3794

1100 East Sahara Ave. Las Vegas, Nevada 89104 • 732-3330

GENERAL NOTES & QUANTITIES

5 OF 9 SHEETS