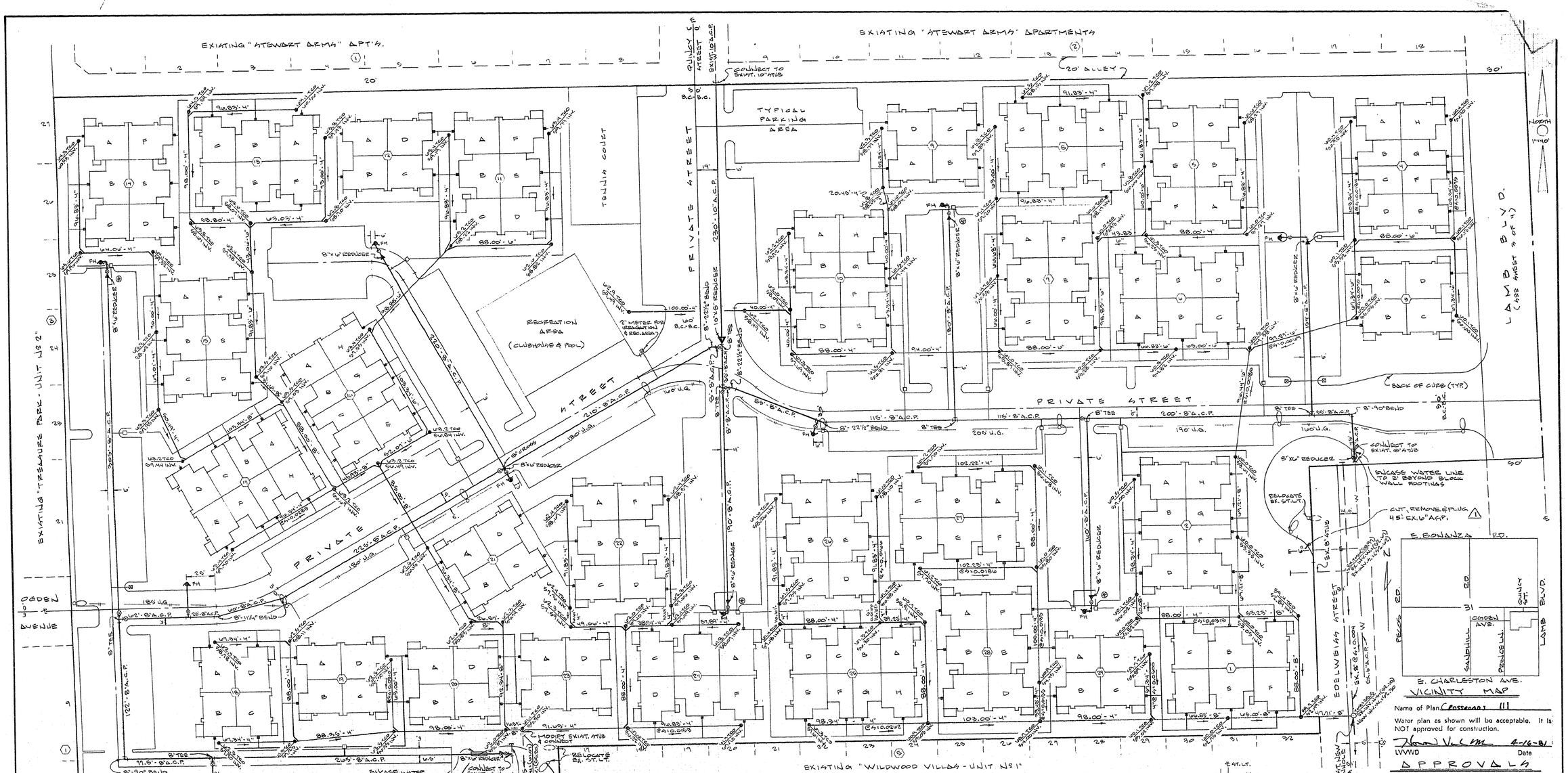

WATER QUANTITY ESTIMATE

SYMBOL	ITEM	AMOUNT	UNIT
	CUT & REMOVE 16" ACP	55	L.F.
	10" A.C.P.	230	L.F.
	8" A.C.P.	2,965	L.F.
	10"x8" REDUCER	1	EA.
	8"x6" REDUCER	8	EA.
	8"-90° BEND	2	EA.
	8"-22½° BEND	3	EA.
	8"-11¼° BEND	2	EA.
	8" CROSS	1	EA.
	8" TEE	7	EA.
FH	FIREHYDRANT (INCL. G.V., TEE & ARM)	9	EA.
	8" GATE VALVE	8	EA.
BY L.V.V.W.D.	2" METER	17	EA.
	2" IRRIGATION METER	4	EA.
	2" PIPE	7,110	L.F.
ONSITE	¾" SERVICE	148	EA.
	⅝" METER & BOX	148	EA.
OR	2" METER BOX	21	EA.

WATER NOTES

1. ALL WORK FROM EXISTING MAINS TO 2" METERS SHALL CONFORM WITH L.V.V.W.D. STANDARD PLATES AND SPECS.
2. NOTICE TO BE GIVEN L.V.V.W.D. ENGINEERING DEPT. 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
3. SEE SHEET 4 OF 4 FOR "GENERAL WATER NOTES."

*SEWER QUANTITY ESTIMATE

SYMBOL	ITEM	AMOUNT	UNIT
O	MANHOLE	1	EA.
	8" PIPE	1,025	L.F.
	6" PIPE	1,485	L.F.
	4" PIPE	4,895	L.F.
•	CLEANOUT	102	EA.
	4" SERVICE	109	EA.

SEWER NOTES (ONSITE)

1. UNLESS OTHERWISE NOTED, SEWER PIPE SLOPES ARE:
   8" = 0.0040
   6" = 0.0058
   4" = 0.0100
2. IF CLEANOUT IS IN PAVED AREA IT SHALL BE RAISED TO GRADE WITH A BRASS CAP OR ELSE PLACED IN A STEEL METER BOX.

FIREHYDRANT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPT. "HYDRANT SPECIFICATIONS" AND "WATER RESOLUTION" REQUIREMENTS, EXCEPT AS NOTED.

⊕ NOTE: WATER SERVICE LATERALS MUST BE INSTALLED UPSTREAM OF FIRE HYDRANT SHUTOFF VALVES.

*STREET LIGHT QUANTITY ESTIMATE

SYMBOL	ITEM	AMOUNT	UNIT
O	11 GA. STANDARD	8	EA.
O	100 W. HPS	8	EA.
— U.G.	UNDERGROUND CONDUIT	1,260	L.F.

* ONSITE ONLY

STREET LIGHTING NOTES (ONSITE)

1. ALL STREET LIGHTING INSTALLATIONS, EXCEPT AS NOTED ON THIS PLAN, SHALL CONFORM WITH THE LATEST EDITION OF THE UNIFORM ELECTRICAL CODE AND ANY APPLICABLE STANDARDS OF THE CITY OF LAS VEGAS.
2. NEW SERVICE REQUIRED.

GENERAL NOTES (ONSITE)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF LAS VEGAS BUILDING DEPARTMENT STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODES, EXCEPT AS NOTED.
2. 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.

△1 REV. No 1 - ADD REMOVAL OF EX. 16" ACP PER L.V.V.W.D. 5-26-81 EJW

Name of Plan CROSSROADS III

Water plan as shown will be acceptable. It is NOT approved for construction.

LVVWD — Date 4-16-81

APPROVALS

C.L.V. SANITATION SUPERVISOR	5-26-81 DATE
C.L.V. QUALITY CONTROL ENGINEER	6/1/81 DATE
C.L.V. ENGINEER	6/2/81 DATE
C.L.V. FIRE DEPARTMENT	5-22-81 DATE
LAS VEGAS VALLEY WATER DIST.	DATE

C.L.V. ELECTRICAL COORDINATOR 5/27/81

DELTA ENGINEERING INC.
4601 W. SAHARA AVE.
LAS VEGAS, NEV. 89102
PHONE: 702-876-0330

MASTER UTILITY PLAN FOR CROSSROADS III

DRWN: JWH	DES: JWH	CHKD: EJW	DATE: 1-81
JOB NO: 801006	H.SCALE: 1" = 40'	V.SCALE: —	SHEET: 3 OF 4

307 y-1203-3