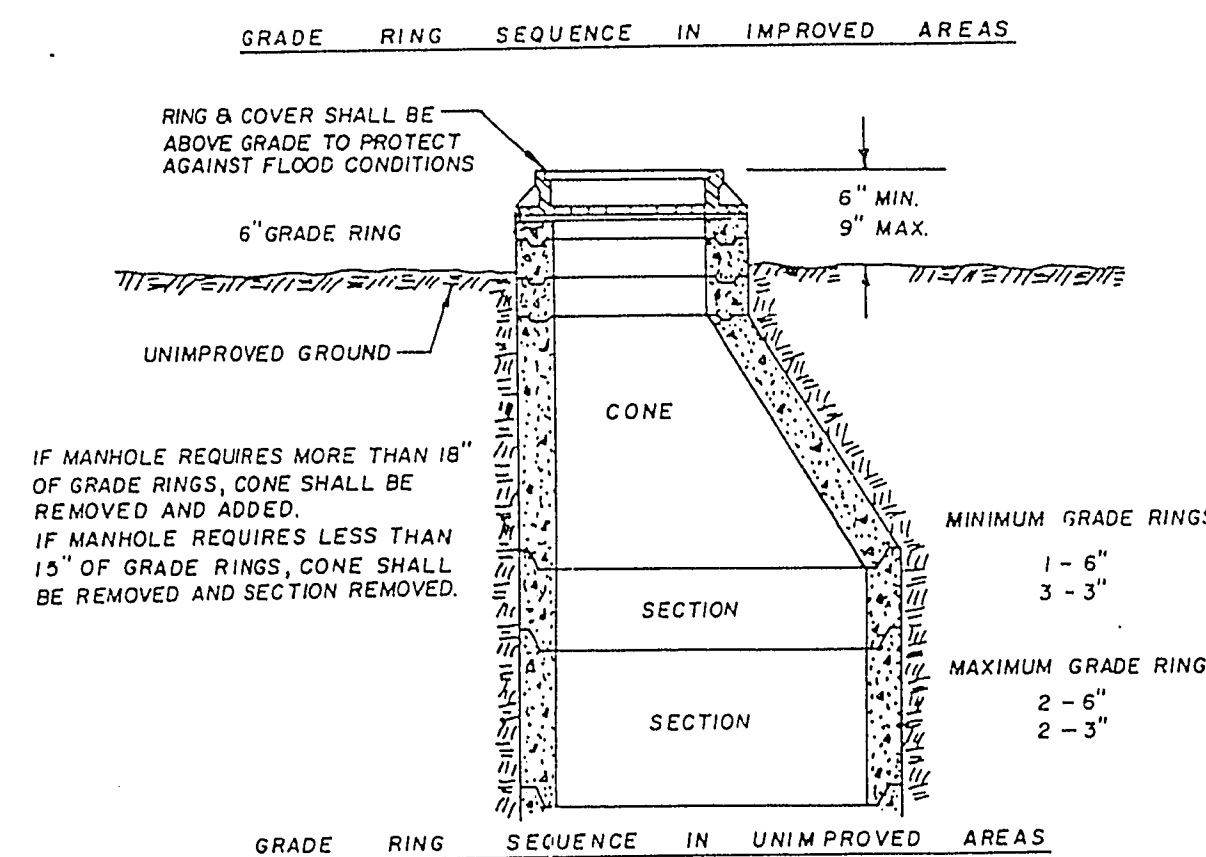
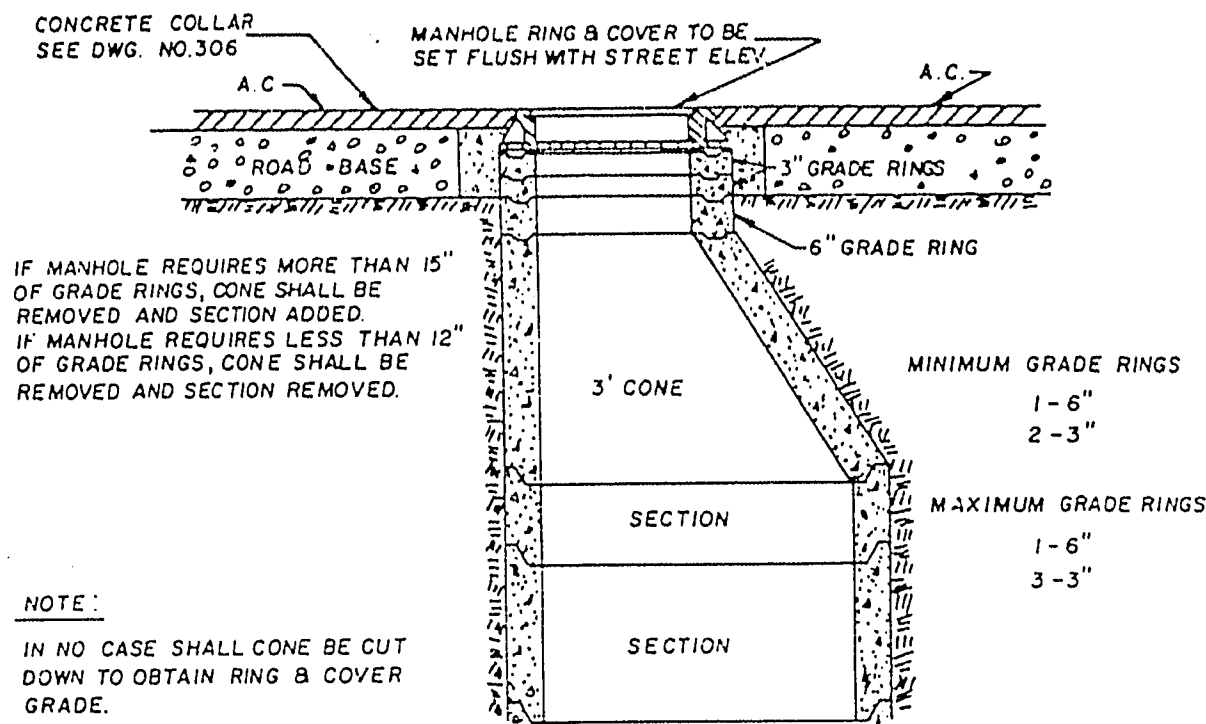
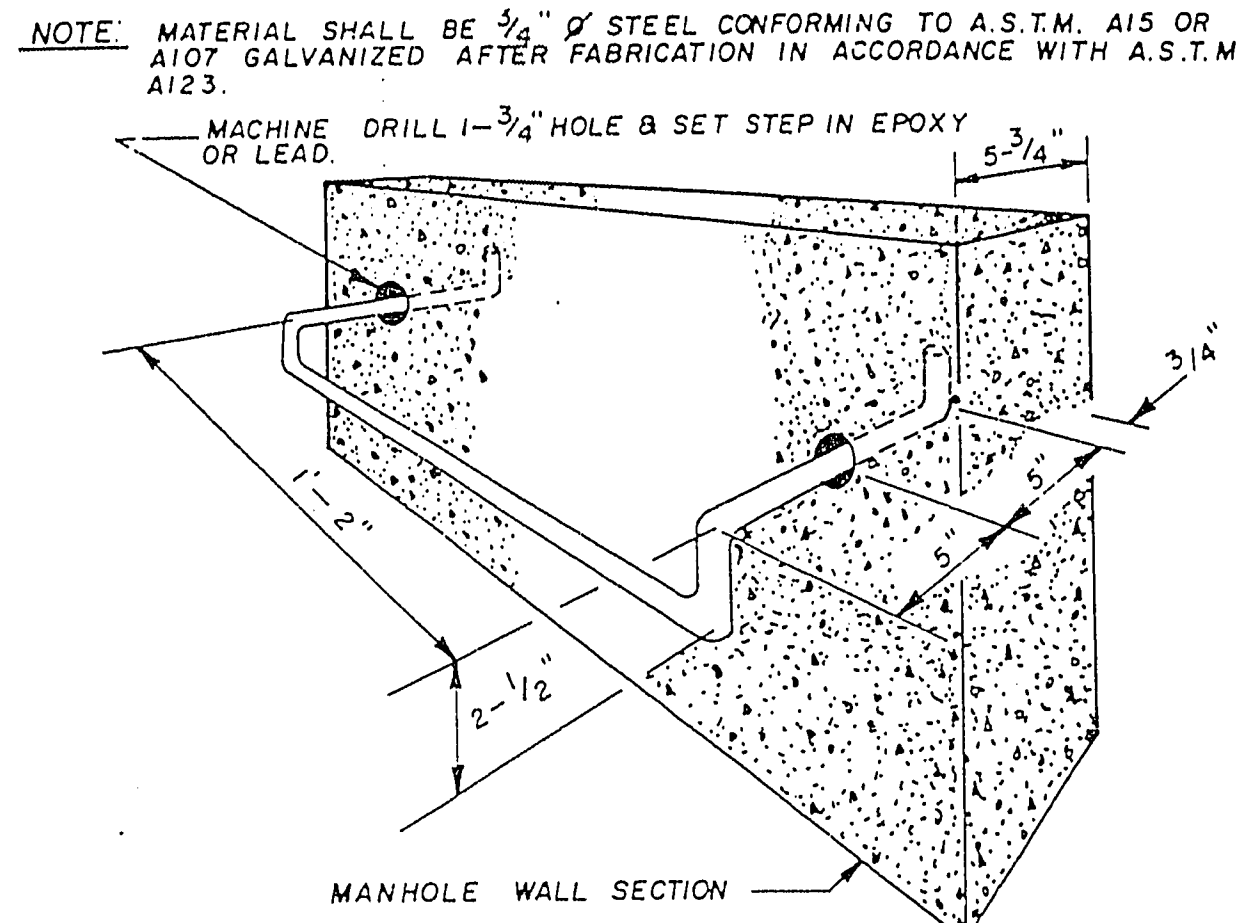
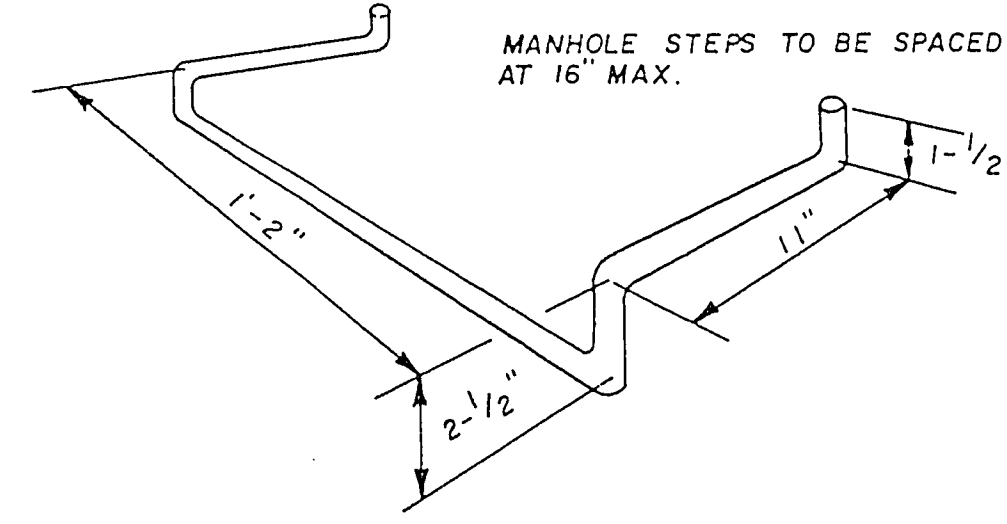




GRADE RING SEQUENCE

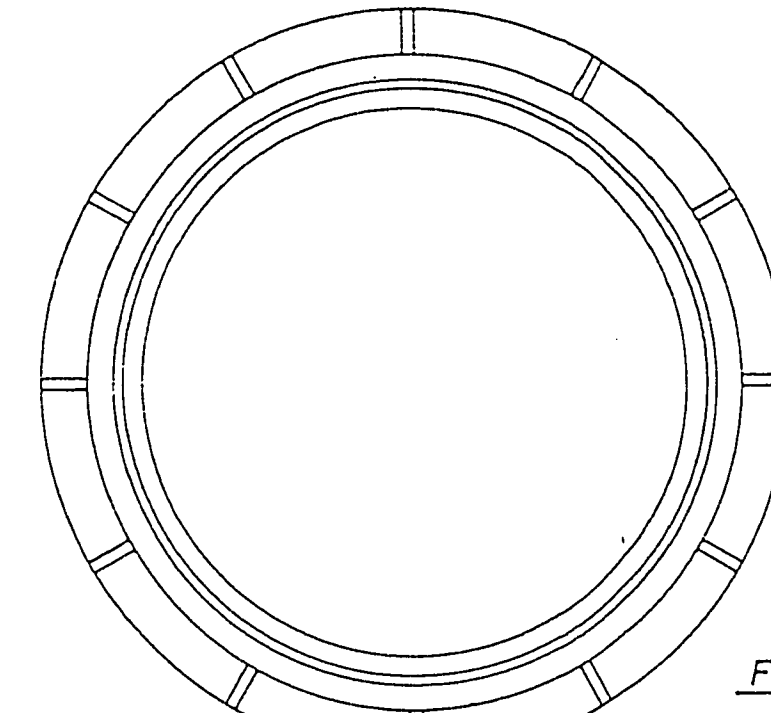
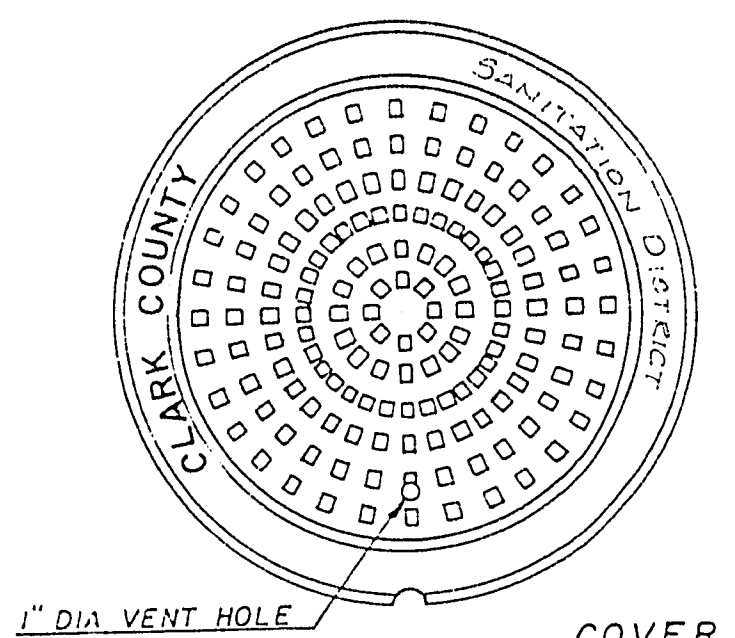


STEP INSTALLATION FOR MANHOLES IN PLACE



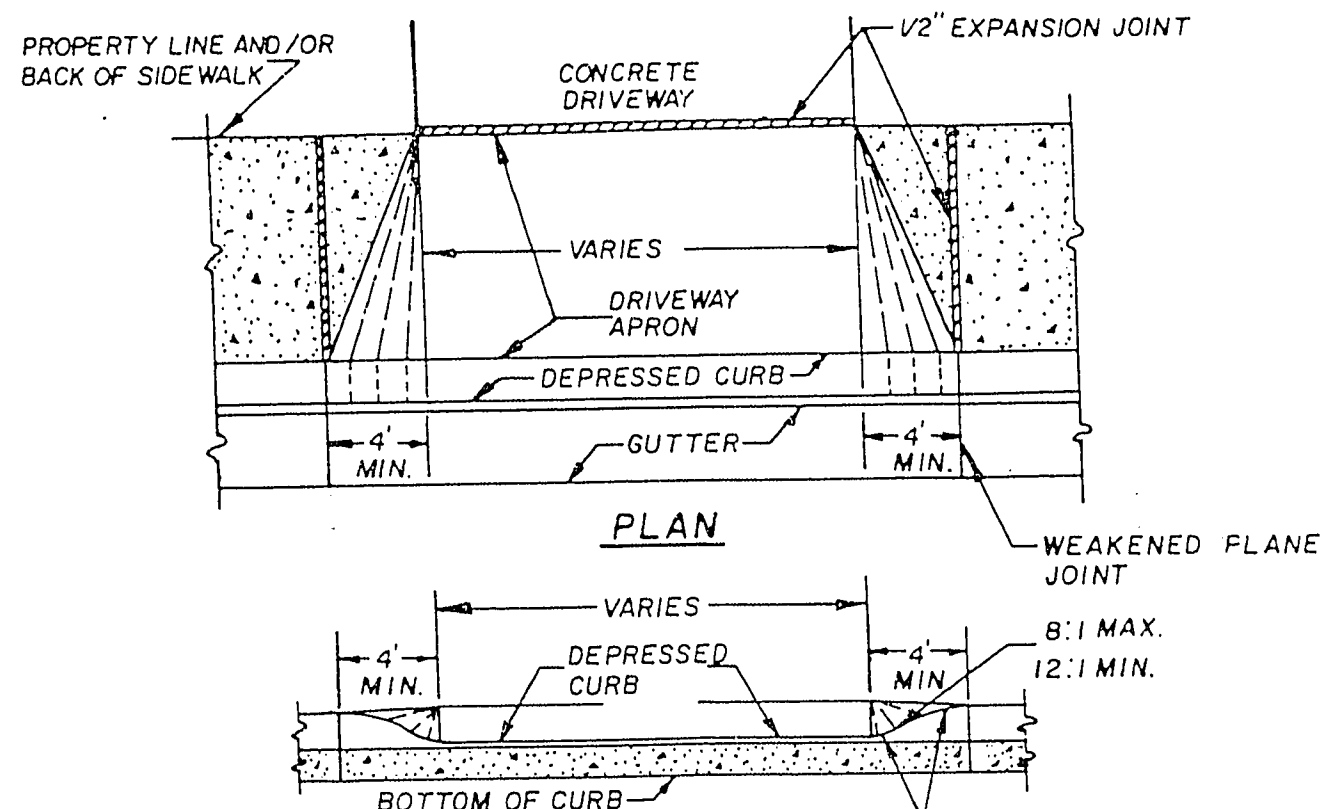
FOR PRE-CAST MANHOLES MADE WITH STEPS

STANDARD MANHOLE STEPS

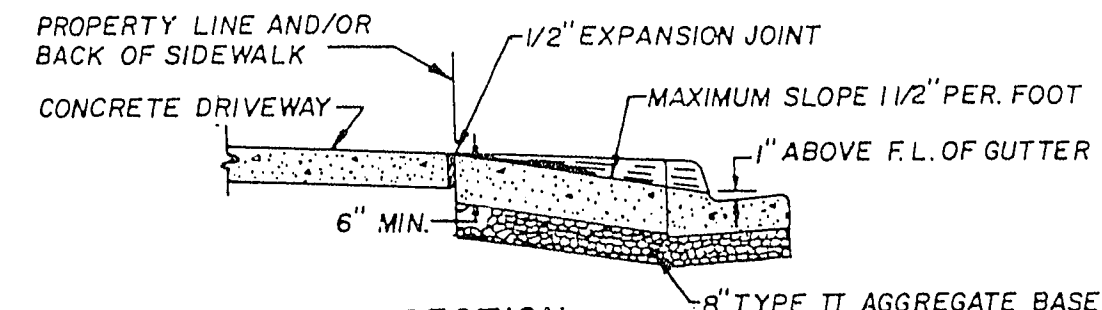


- NOTES:
1. FRAME AND COVER TO BE ALHAMBRA FOUNDRY COMPANY TYPE A1310 IN ACCORDANCE WITH ASTM A-48, CLASS 30, OR APPROVED EQUAL.
 2. CAST IRON SHALL HAVE MINIMUM TENSILE STRENGTH OF 30,000 P.S.I.
 3. FRAME AND COVER MACHINED TO FIT.
 4. WEIGHT OF FRAME AND COVER 330 LBS. MINIMUM.

STANDARD MANHOLE COVER AND RING



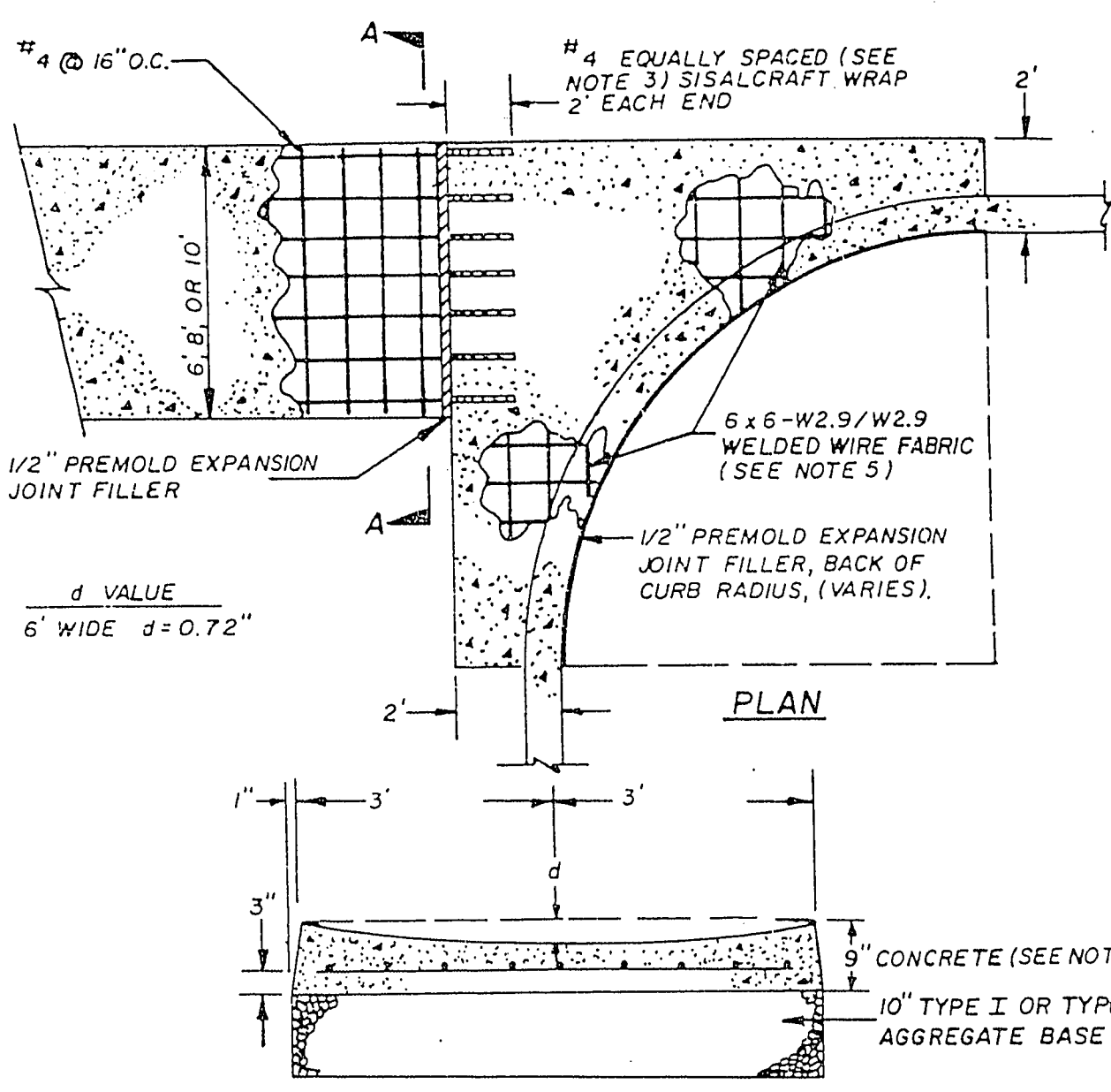
ELEVATION



SECTION

- NOTES:
1. WHEN CONSTRUCTING DRIVEWAY WHERE CURB AND GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER. DRIVEWAY MAY BE MONOLITHIC TO A.C. LINE.
 2. CONCRETE SHALL BE CLASS B.
 3. WEAKENED PLANE JOINTS SHALL BE PLACED AT 5' INTERVALS, SEE DWG. NO. 119.

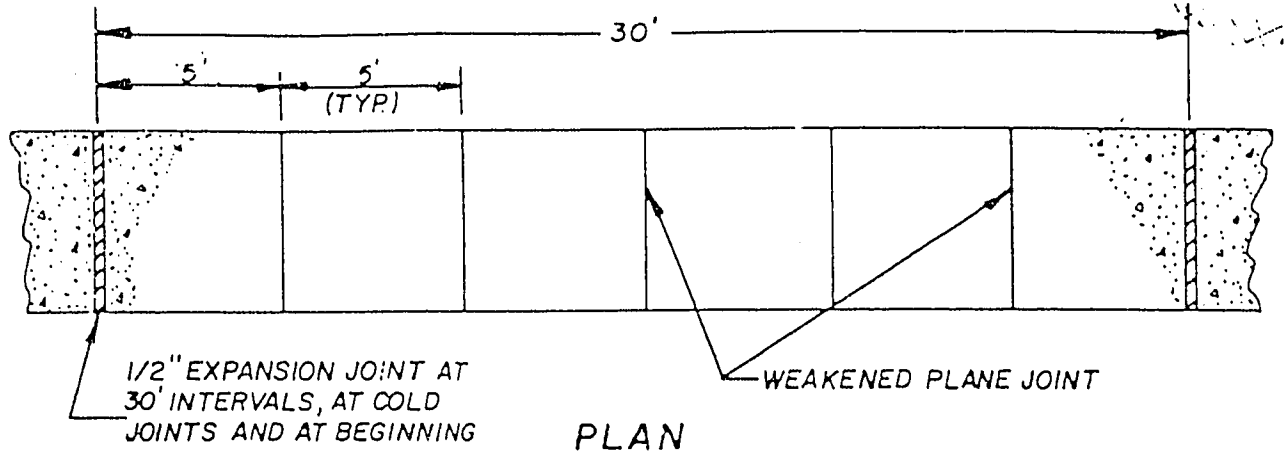
RESIDENTIAL DRIVEWAY



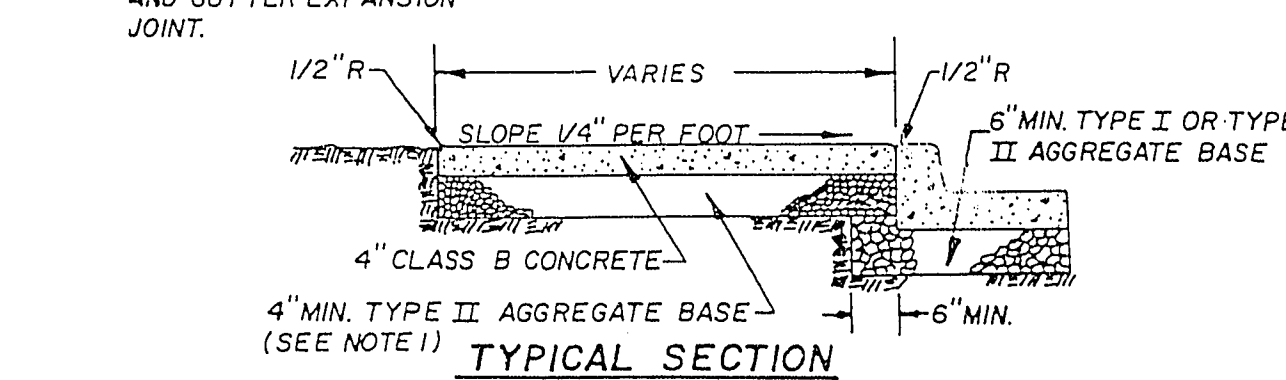
SECTION A-A

- NOTES:
1. CONCRETE TO BE CLASS B CONCRETE.
 2. 8\"/>

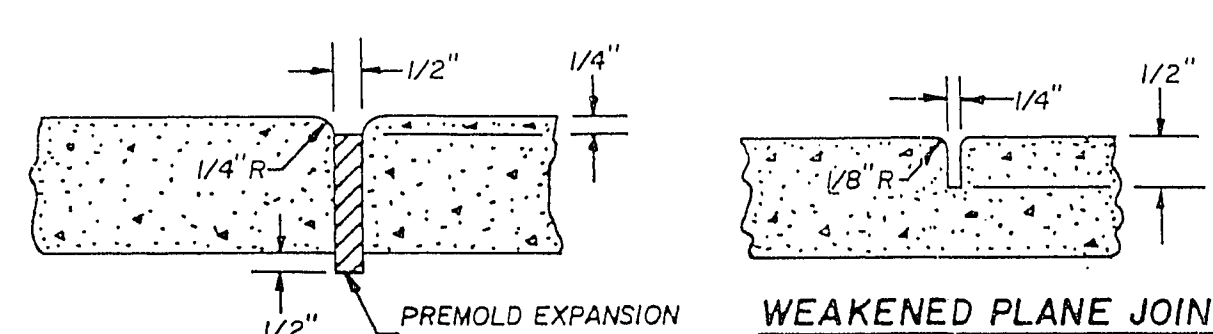
VALLEY GUTTER



PLAN



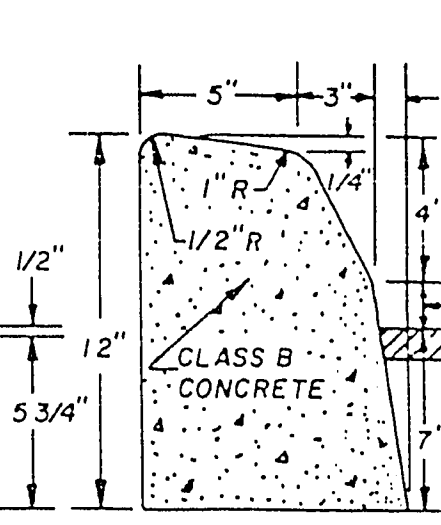
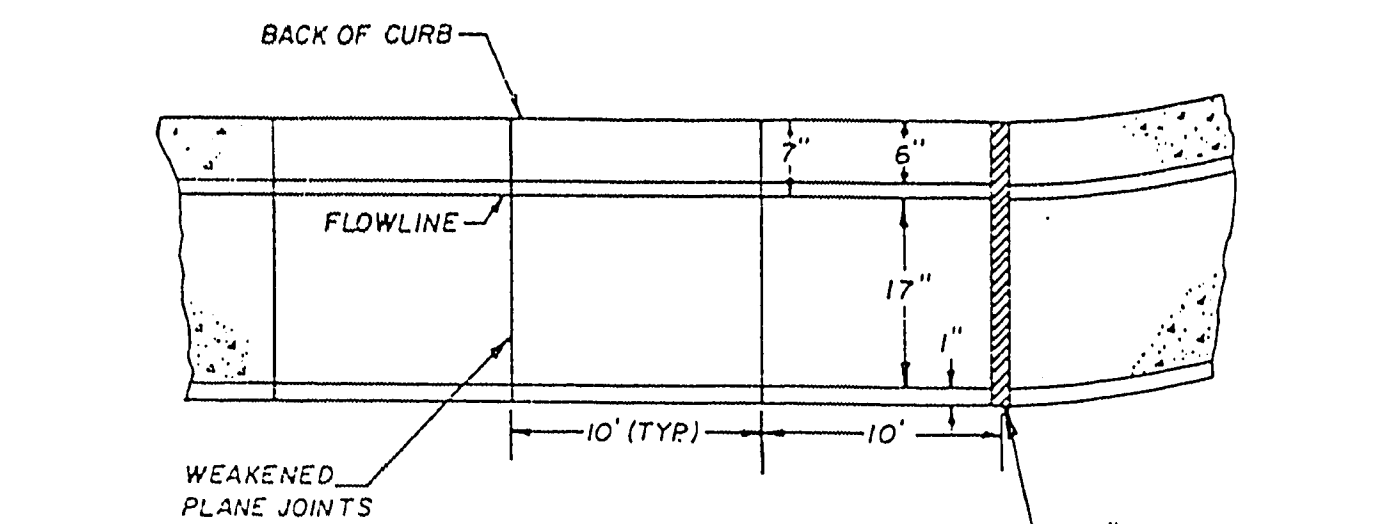
TYPICAL SECTION



EXPANSION JOINT

- NOTE:
1. 5\"/>

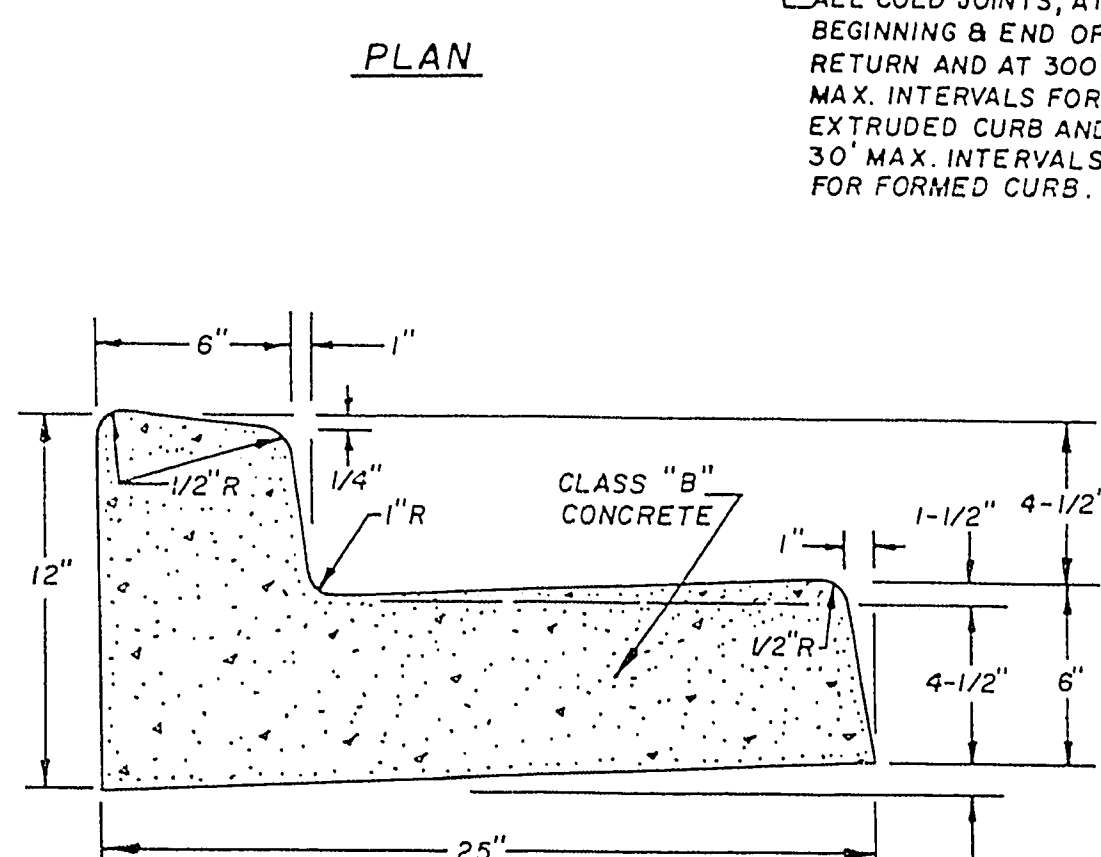
SIDEWALK



"A" CURB SECTION

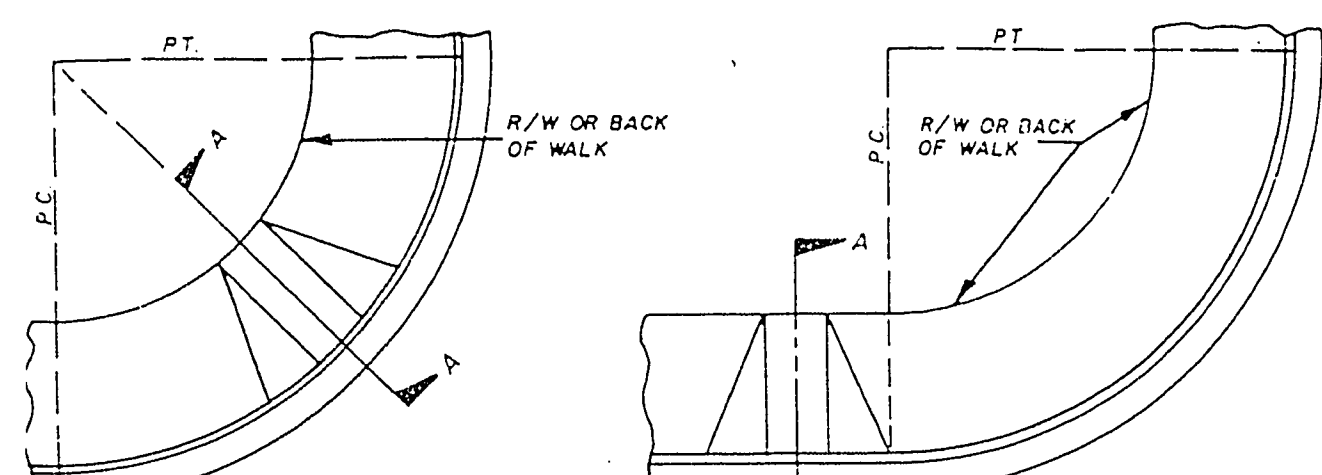
- 1/2\"/>

"A" TYPE ISLAND CURB

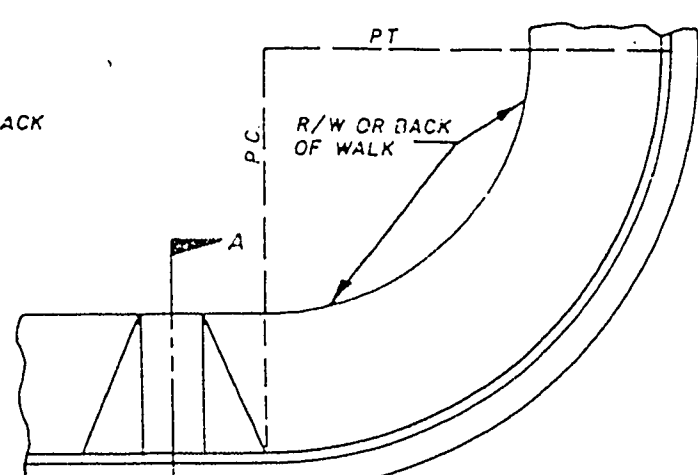


TYPICAL SECTION

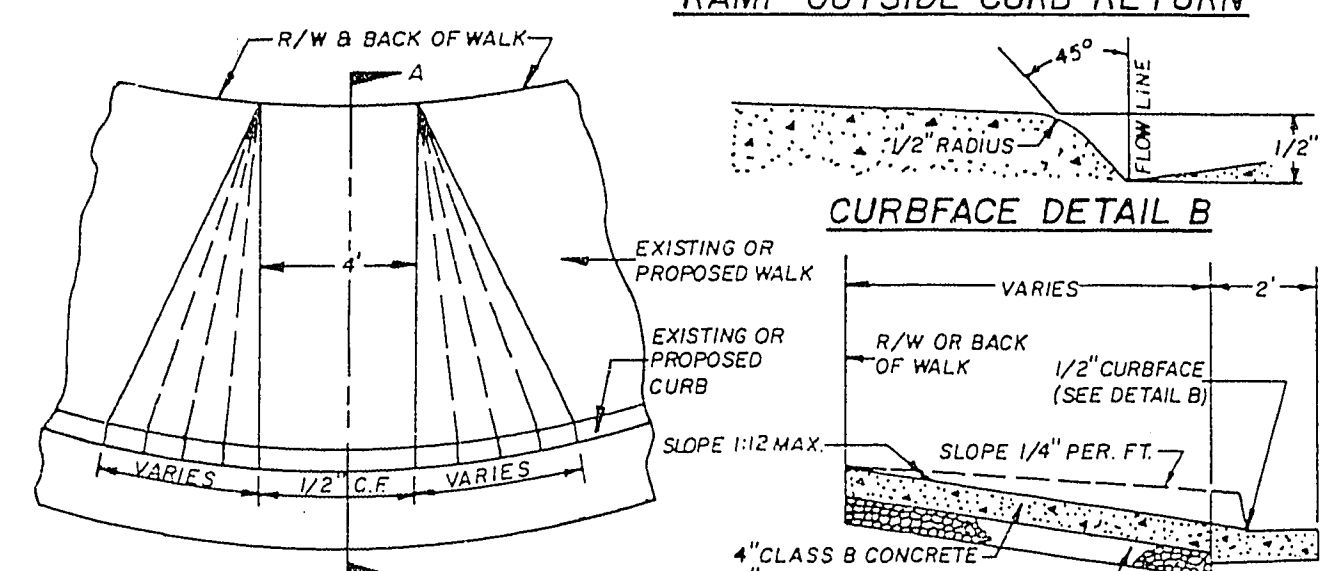
"L" TYPE CURB AND GUTTER



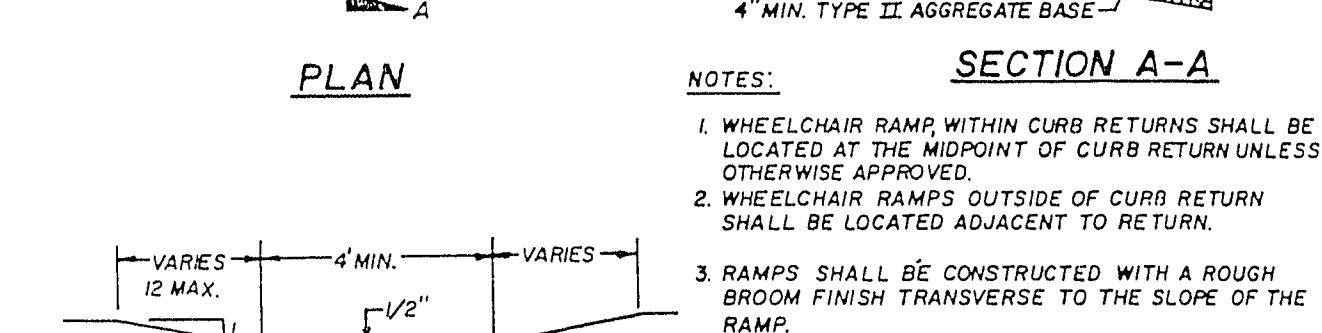
RAMP IN CURB RETURN



RAMP OUTSIDE CURB RETURN



CURBFACE DETAIL B

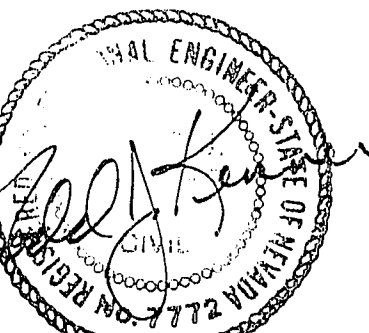


PLAN

ELEVATION

WHEELCHAIR RAMP

- NOTES:
1. WHEELCHAIR RAMP WITHIN CURB RETURNS SHALL BE LOCATED AT THE MIDPOINT OF CURB RETURN UNLESS OTHERWISE APPROVED.
 2. WHEELCHAIR RAMP OUTSIDE OF CURB RETURN SHALL BE LOCATED ADJACENT TO RETURN.
 3. RAMPS SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
 4. WHEN CONSTRUCTING RAMP WHERE CURB & GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB & GUTTER. RAMP, CURB & GUTTER TO BE MONOLITHIC.



SHEET D-1		ENGINEERING CORPORATION		Sheet 16	
SCALE: _____		CONSULTING ENGINEERS AND SURVEYORS			
HORIZ _____		175 E. HEND AVENUE SUITE 200			
VERT _____		LAS VEGAS, NEVADA 89101		725-1884	
JOB No. 7036		DRAWING No. _____			
QUAIL ESTATES WEST		NEVADA			
DETAILS		CLARK COUNTY, LAS VEGAS,			
REV.		DATE		DESCRIPTION	
BY		DATE		DESCRIPTION	
DESIGNED BY: MAD					
DRAWN BY:					
CHECKED BY:					
DATE: AUGUST 1987					