

TYPICAL SECTION

LEGEND

- W = WIDTH OF RIGHT OF WAY
- R = WIDTH OF ROADWAY
- S = WIDTH OF SIDEWALK
- T.I. = TRAFFIC INDEX
- R/W = RIGHT OF WAY

CLASSIFICATION	PARKING	SIDEWALK	W	W*	R	S	DESIGN SPEED	T.I.	MIN. SECTION
ARTERIAL	BOTH	BOTH	100'	94'	80'	7'	40-55	8.5	0.4' AC
COLLECTOR	BOTH	BOTH	60'	54'	40'	5.5'	30-40	7.0	0.3' AC
LOCAL	BOTH	BOTH	56'	50'	36'	5.5'	25-30	5.5	0.2' AC
HILLSIDE LOCAL	ONE SIDE	ONE SIDE	40'	40'	28'	5.5'	25	5.5	0.2' AC

NOTES:

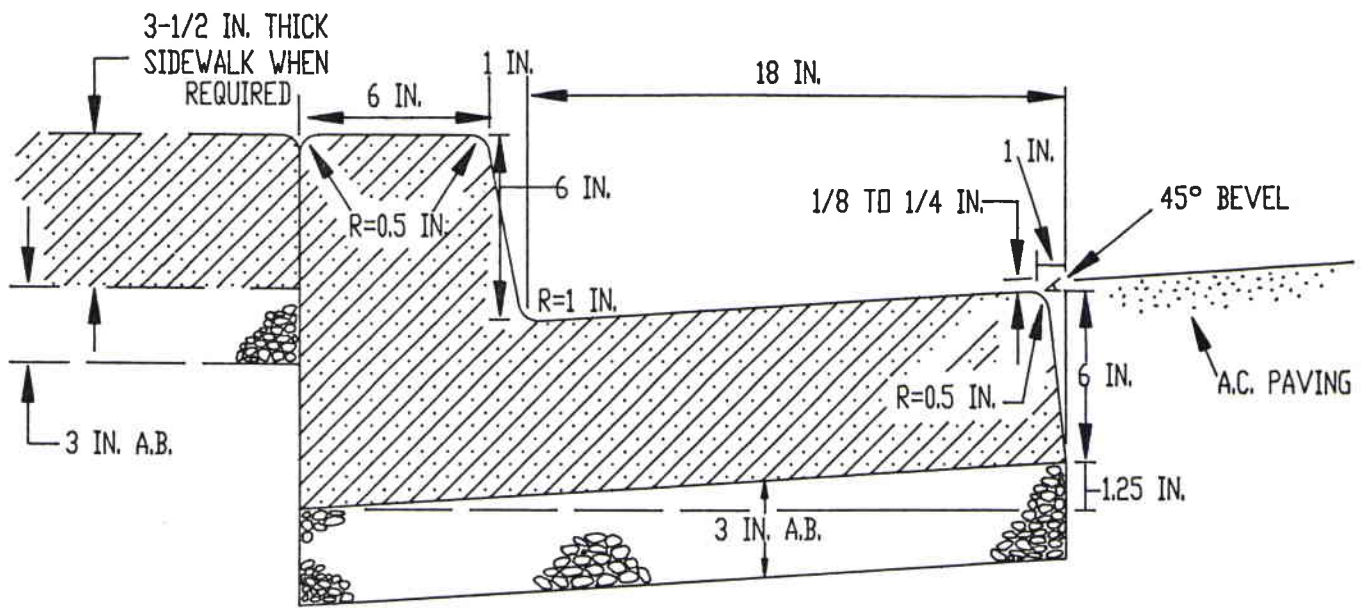
1. W* APPLIES WITH SPECIAL APPROVAL OF PLANNING COMMISSION ONLY.
2. REQUIRED STRUCTURAL SECTION DETERMINED BY SOILS R-VALUE TEST AND BY T.I. MINIMUM SECTION IS A.C. THICKNESS SHOWN OVER 0.5' CLASS 2 CALTRANS STANDARD AGGREGATE BASE.
3. CURBS SHALL BE TYPE "A" UNLESS OTHERWISE APPROVED BY THE CITY.
4. DISTANCE SHOWN IS MINIMUM FROM R/W TO HINGE POINT.
5. MEDIAN ISLANDS 16' WIDE OR LESS ARE REQUIRED FOR SELECTED STREETS.
6. SIDEWALK DETAILS SEE STANDARD DRAWING S-3.
7. STREET GRADES: 0.5% - MIN., 10% - MAX. (15% FOR LOCAL STREETS).
8. ADDITIONAL R/W & R FOR BUS STOPS, TURN LANES, ETC. SHALL BE CONSIDERED ON A CASE BY CASE BASIS.
9. MATERIAL SHALL BE SCARIFIED AND COMPACTED TO 95% RELATIVE COMPACTION FOR A MINIMUM DEPTH OF 0.5 FT. BELOW SUBGRADE.



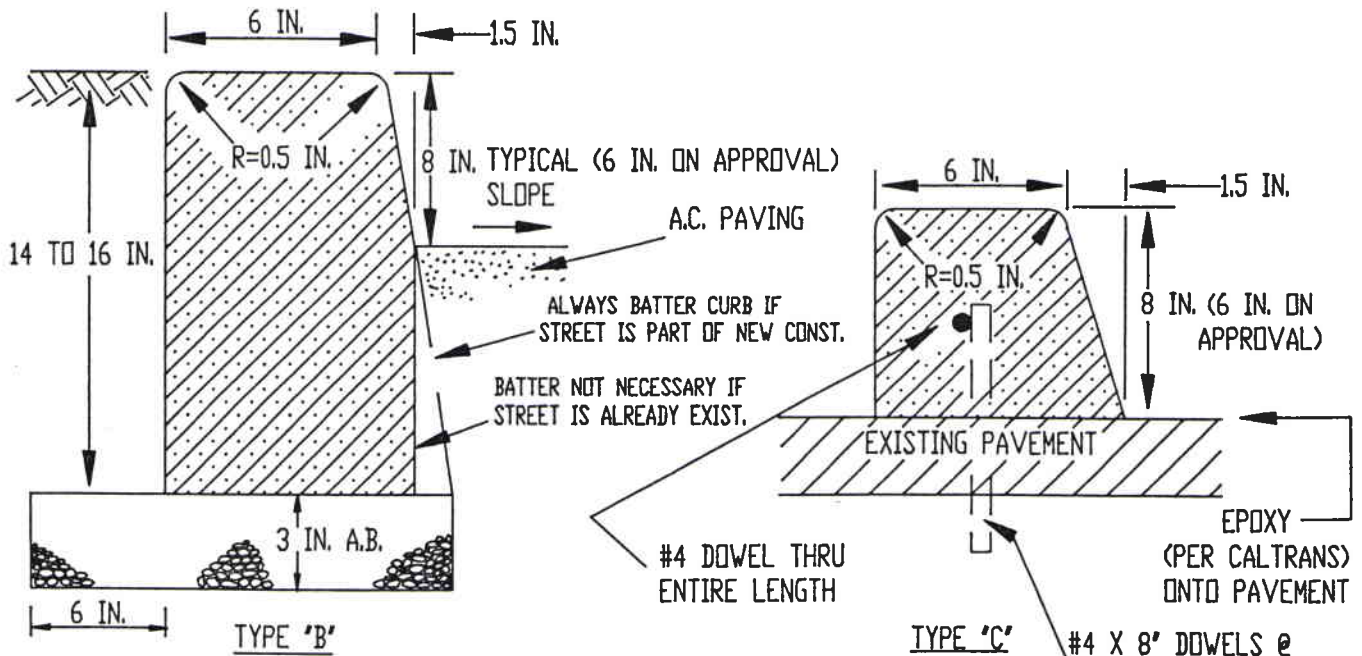
APPROVED BY: *Richard K. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 STREET SECTIONS

SCALE: NONE
 STD. DRWG. NO. S-1
 SHEET 1 OF 1



TYPE "A"



TYPE "B"

TYPE "C"

NOTES:

1. CONCRETE SHALL BE 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD, 4 IN. MAXIMUM SLUMP.
2. CURBS SHALL BE PLACED ON 3 IN. CLASS 2 CALTRANS STANDARD A.B. CUSHION WITH BASE AND SUBGRADE STABLE AND AT 95% COMPACTION.
3. WEAKENED PLANE JOINTS AT 10' INTERVALS AND TOOL SCORELINES AT 5' INTERVALS. REFER TO STD. S-3 FOR MORE DETAILS.
4. CURB, GUTTER AND SIDEWALK MAY BE POURED MONOLITHIC WHEN APPROVED BY THE CITY.
5. GUTTER TO BE CLEANED OF AC DURING ROLLING OPERATION.
6. TYPE "C" TO BE USED ONLY WITH SPECIAL APPROVAL BY THE CITY. TYPICALLY USED FOR NON-LANDSCAPED MEDIAN ISLANDS ONLY.



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DATE: 5/2/90

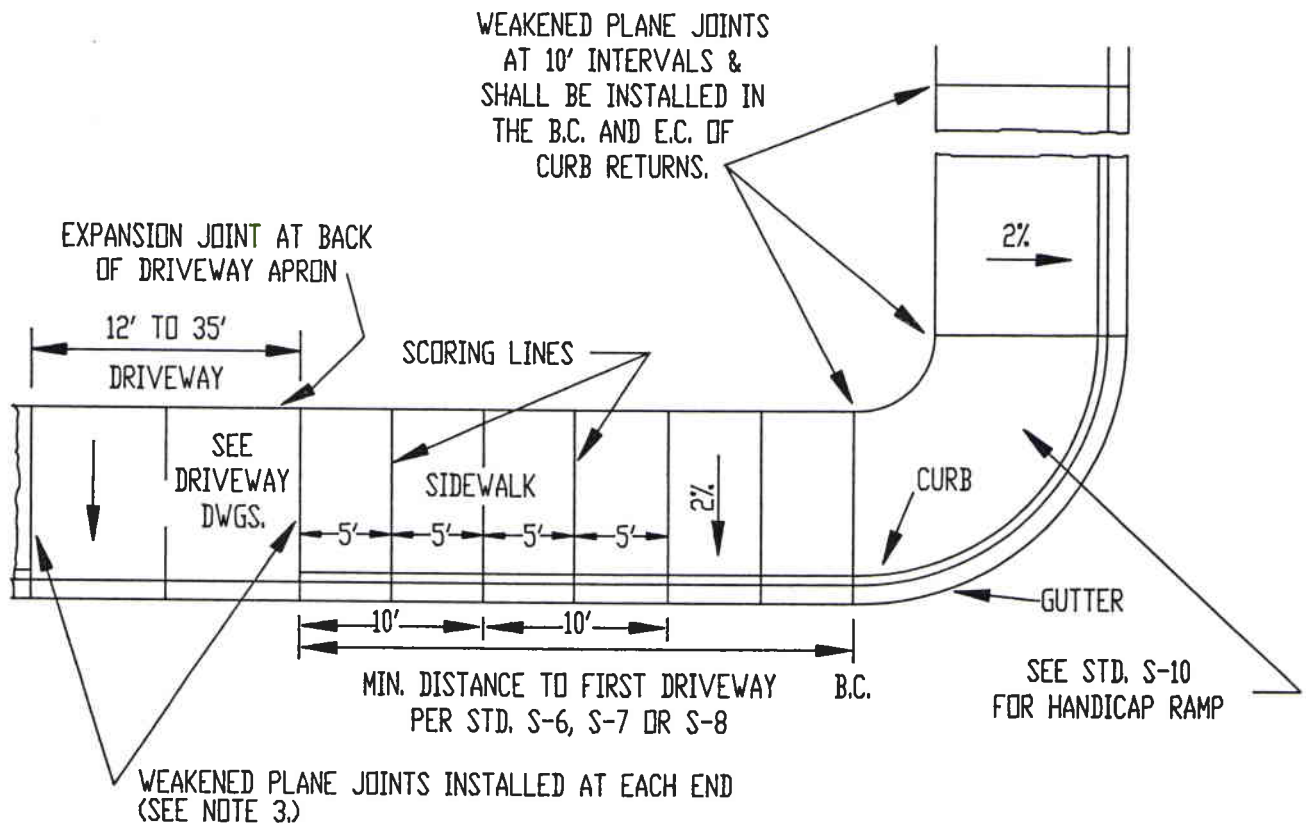
Richard K. Cullen

PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ

CURBS

SCALE: NONE
 STD. DRWG.
 NO.
 S-2
 SHEET 1 OF 1



NOTES:

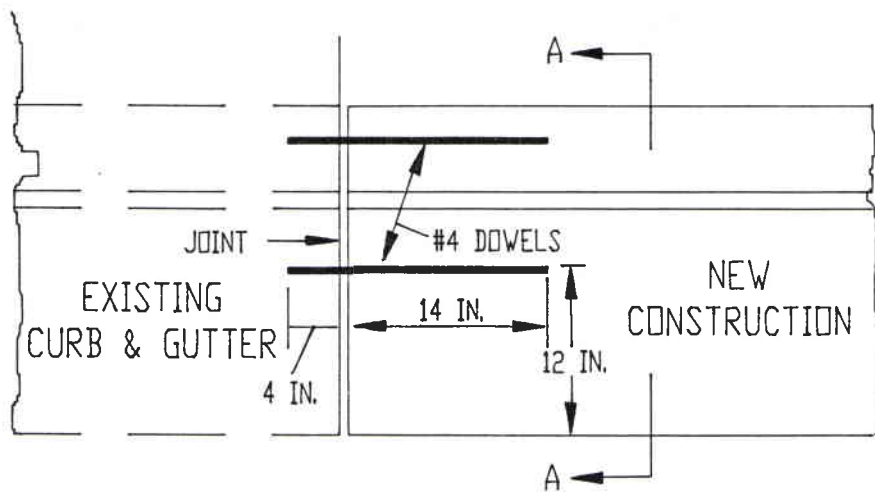
1. CONCRETE SHALL BE: 2500 P.S.I. 520 LBS. CEMENT/CUBIC YARD, 4 IN. MAXIMUM SLUMP.
2. STANDARD THICKNESS IS 3.5 IN. CONCRETE WITH 3 IN. CLASS 2 CALTRANS STANDARD AGGREGATE BASE CUSHION.
3. INSTALL WEAKENED PLANE JOINTS AT 10' INTERVALS, AT ALL RADIUS POINTS, AT MIDPOINT OF 24' OR WIDER DRIVEWAYS, AND AS REQUIRED BY THE CITY. DEPTH SHALL BE 2 IN.. APWA APPROVED PLASTIC CONTROL JOINTS MAY BE USED.
4. INSTALL TOOL SCORE LINES AT 5' INTERVALS, 1/4 IN. DEEP AND EXTEND ACROSS SIDEWALK, CURB & GUTTER. A LONGITUDINAL SCORE LINE IS REQUIRED DOWN THE CENTER OF ANY SIDEWALK 8' OR WIDER.
5. FOR SIDEWALK ADJACENT TO CURB, MAINTAIN 5.5' WIDTH FROM CURB FACE FOR RESIDENTIAL AREAS AND 7' WIDTH FOR ARTERIALS, COMMERCIAL AREAS, OR DOWNTOWN BUSINESS DISTRICT. MAINTAIN 4' MIN. CLEAR WIDTH PER STD. DRWG. S-14.
6. CURB, GUTTER AND SIDEWALK MAY BE MONOLITHIC WHEN APPROVED BY THE CITY.
7. REFER TO STANDARD DRAWING S-4 FOR INSTALLING NEW SIDEWALK ADJACENT TO EXISTING.



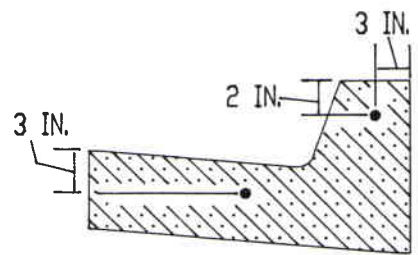
APPROVED BY: DATE: 5/7/90
Richard R. Cullen
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 SIDEWALK DETAILS

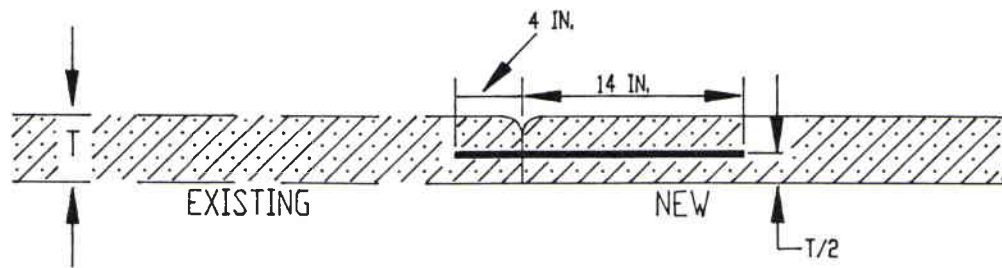
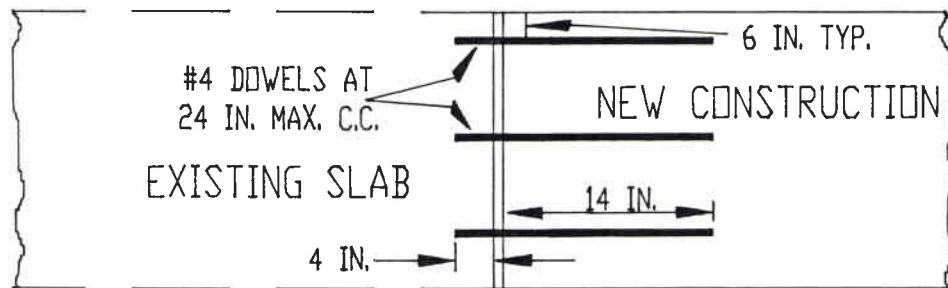
SCALE: NONE
 STD. DRWG. NO. S-3
 SHEET 1 OF 1



CURB & GUTTER



SECTION A-A



PCC SLABS

NOTES:

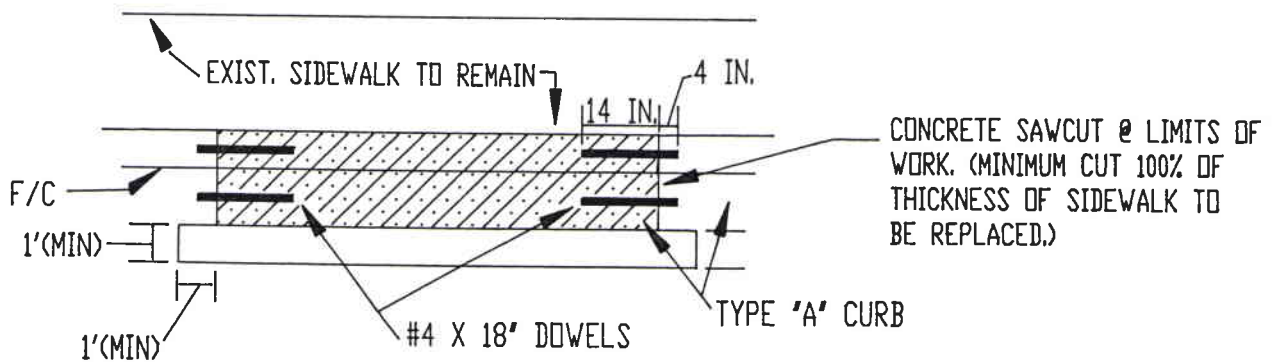
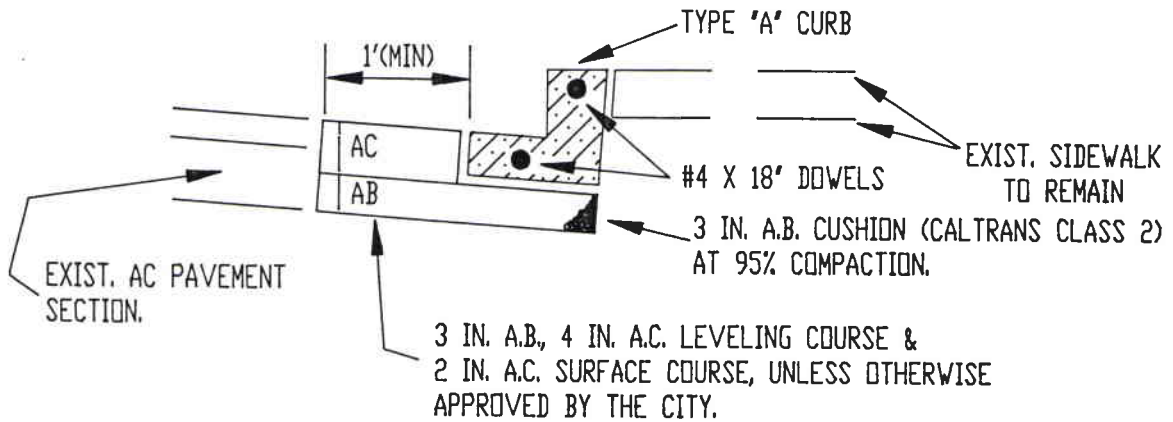
1. DOWELED CONSTRUCTION JOINTS SHALL BE REQUIRED IN CURB & GUTTER, SIDEWALKS, DRIVEWAYS AND VALLEY GUTTERS WHENEVER NEW CONCRETE IS POURED AGAINST EXISTING CONCRETE.
2. SECTION TO BE REPLACED SHALL BE TO THE NEAREST SCORE LINES.



APPROVED BY: *Richard R. Cullen* DATE: 5/7/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 CONSTRUCTION
 JOINT

SCALE: NONE
 STD. DRWG.
 NO.
 S-4
 SHEET 1 OF 1



NOTES:

1. MINIMUM WIDTH SHALL ALLOW COMPACTION OF AGGREGATE BASE WITH MECHANICAL EQUIPMENT AS APPROVED BY THE CITY.
2. EXTEND 3 IN. A.B. CUSHION 6 IN. BEHIND BACK OF CURB WHEN NO SIDEWALK IS ADJACENT TO BACK OF CURB.
3. CONCRETE SHALL BE POURED AGAINST A FORM BOARD.
4. SECTION TO BE REPLACED SHALL BE TO THE NEAREST SCORE LINES.

****ALTERNATE REMOVAL METHOD****

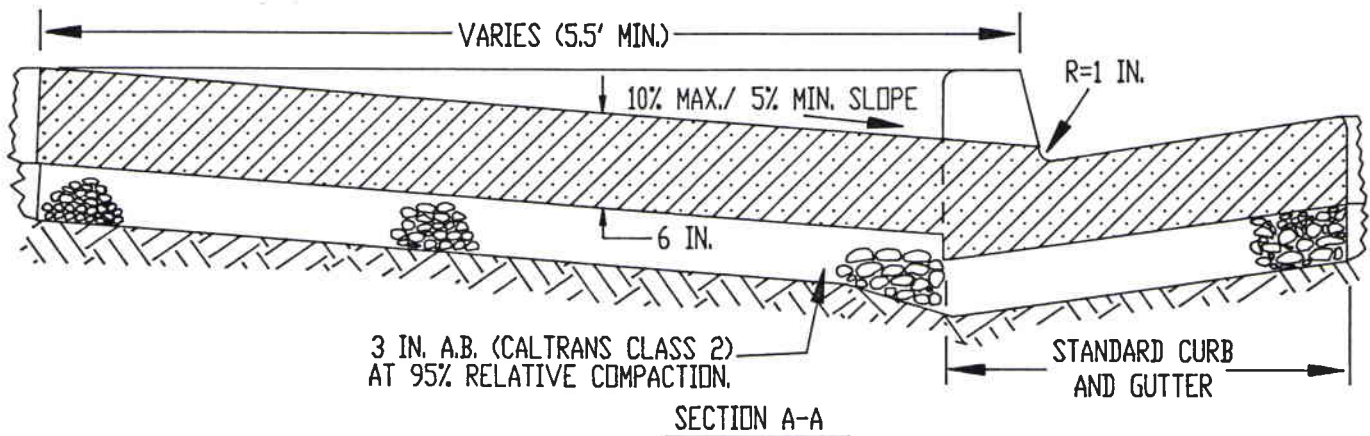
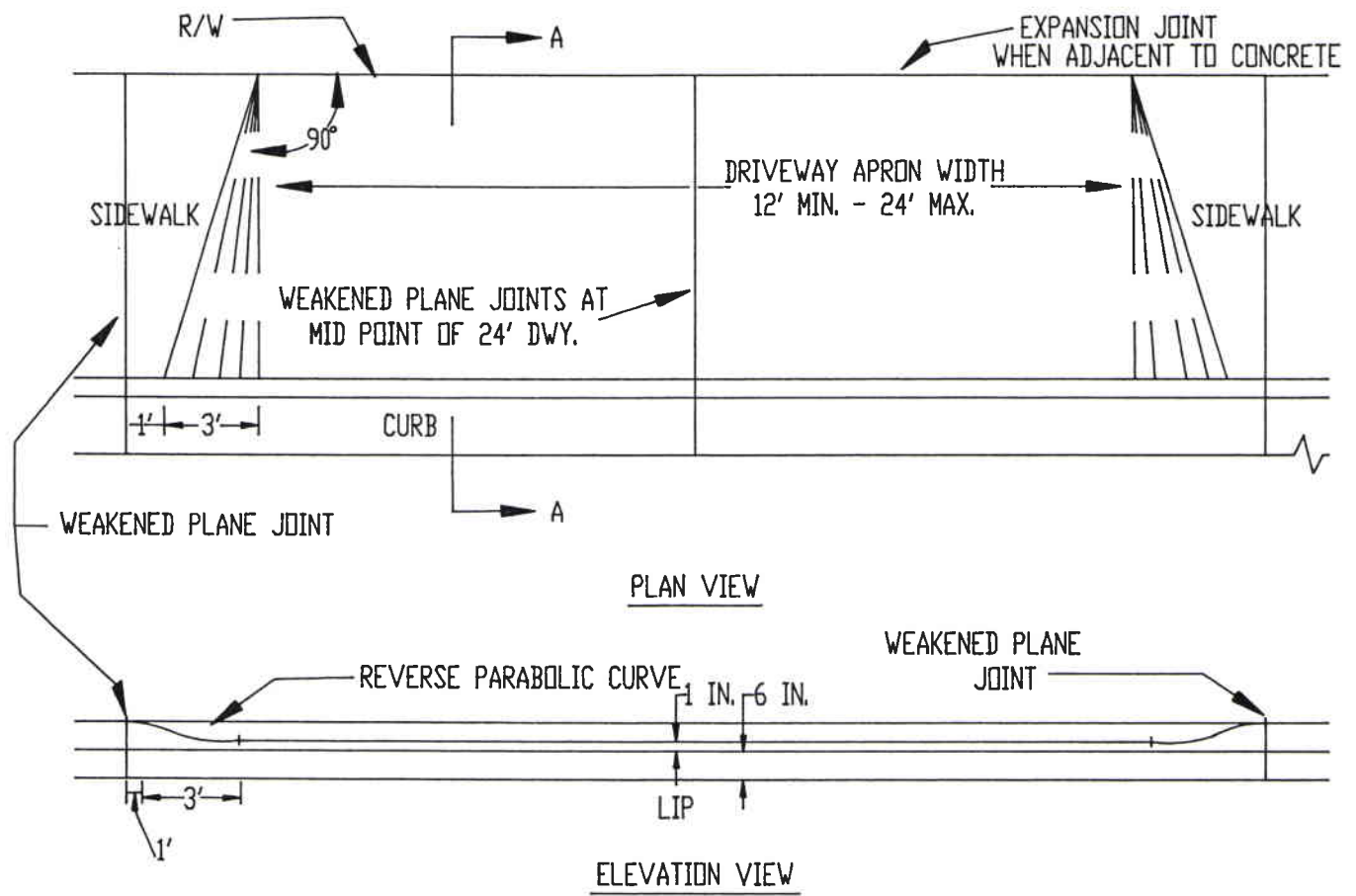
1. WITH PRIOR APPROVAL, IN WRITING, OF THE CITY, THE REQUIREMENT FOR 1' A.C. REMOVAL MAY BE WAIVED.
2. A FULL DEPTH SAWCUT SHALL BE MADE AT THE EXISTING GUTTER LIP PRIOR TO REMOVAL.
3. UNSATISFACTORY WORK DUE TO UNEVEN SAWCUT, RAVELLING OF A.C., AND IMPROPER WORK SHALL REQUIRE REMOVAL AND REPLACEMENT WITH 1' A.C. SECTION.



APPROVED BY: *Richard P. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 CURB & GUTTER
 REPLACEMENT

SCALE: NONE
 STD. DRWG.
 NO.
 S-5
 SHEET 1 OF 1



NOTES:

1. CONCRETE SHALL BE: 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD, 4 IN SLUMP.
2. A MINIMUM 5' CLEARANCE IS REQUIRED FROM TOP OF DRIVEWAY FLARE TO PARKWAY OBSTRUCTIONS (POLE, TREE, ETC.).
3. NO MORE THAN ONE DRIVEWAY FOR EVERY 100' OF FRONTAGE.
4. MINIMUM DISTANCE BETWEEN TOP OF DRIVEWAY FLARES IS 5'.
WHERE POSSIBLE ELIMINATE ADJACENT FLARES WITH COMMON DRIVEWAY.
5. MINIMUM DISTANCE FROM TOP OF DRIVEWAY FLARE TO NEAREST CURB RETURN IS 25'.
6. INSTALL 1/4 IN. EXPANSION JOINTS ALONG REAR OF DRIVEWAY APRON USING A.P.W.A. APPROVED PREMOLDED FILLER WHEN ADJACENT TO CONCRETE.



APPROVED BY:

DATE: 5/2/90

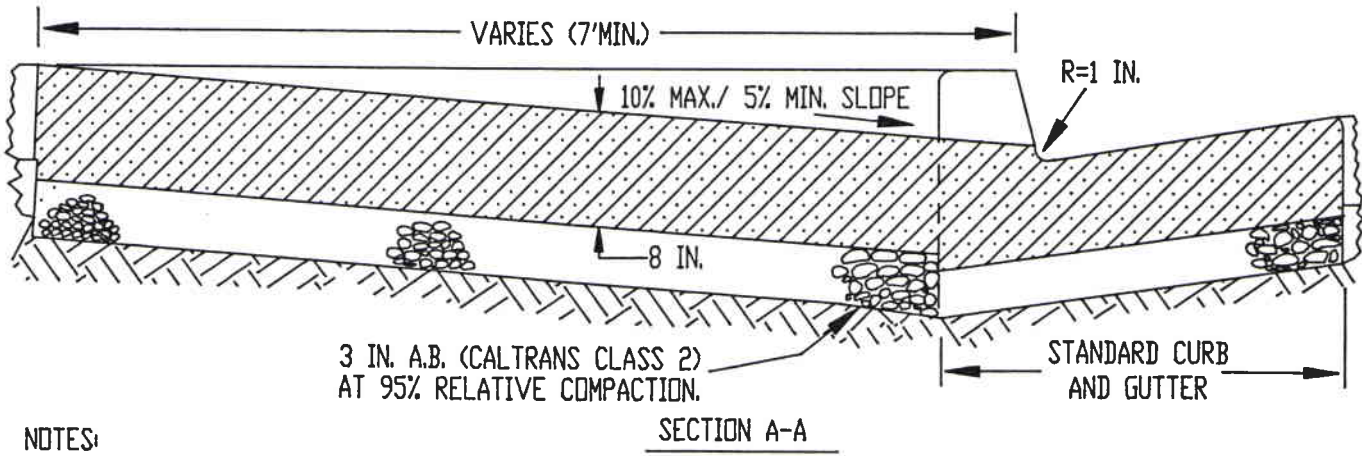
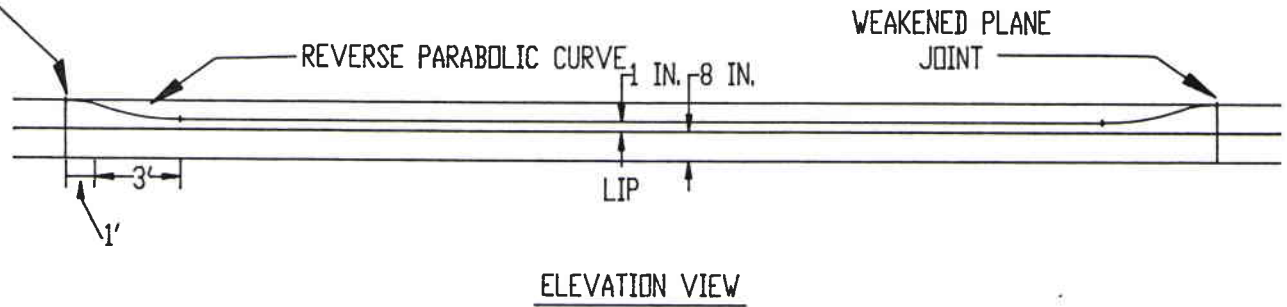
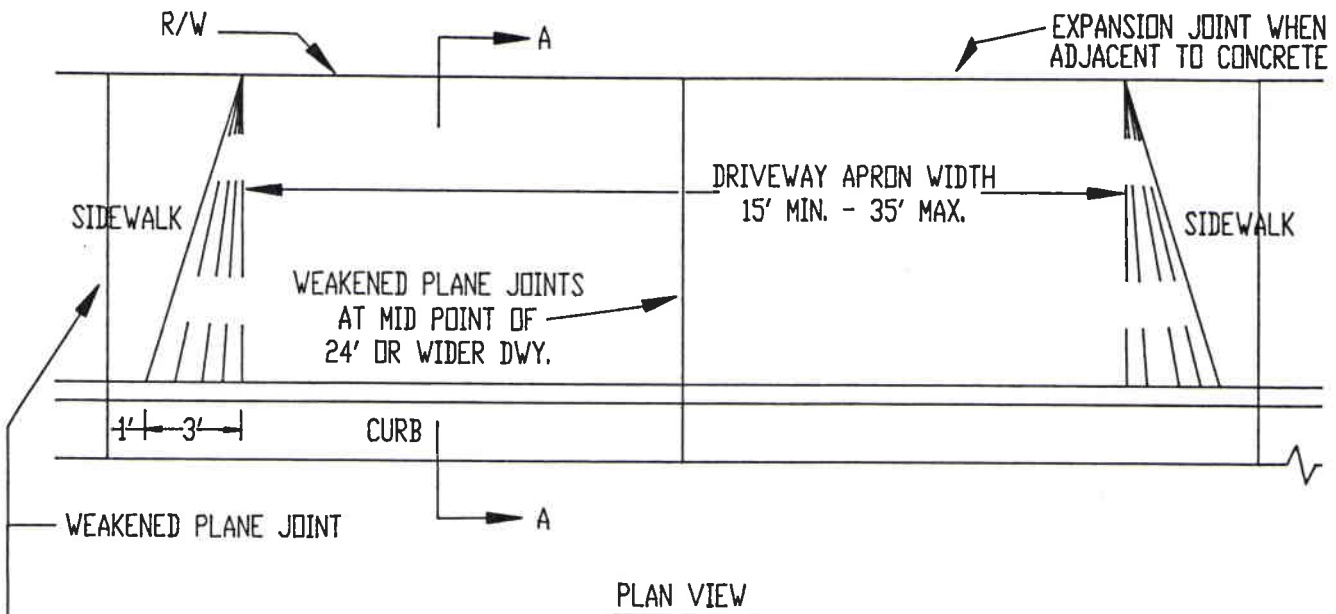
Richard K. Cullen
PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ

RESIDENTIAL
DRIVEWAY

SCALE: NONE
STD. DRWG.
NO.
S-6

SHEET 1 OF 1



NOTES:

1. CONCRETE SHALL BE: 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD, 4 IN. SLUMP.
2. A MINIMUM 5' CLEARANCE IS REQUIRED FROM TOP OF DRIVEWAY FLARE TO PARKWAY OBSTRUCTIONS (POLE, TREE, ETC.).
3. NO MORE THAN ONE DRIVEWAY FOR EVERY 100' OF FRONTAGE.
4. MINIMUM DISTANCE BETWEEN TOP OF DRIVEWAY FLARES IS 22'.
WHERE POSSIBLE ELIMINATE ADJACENT FLARES WITH COMMON DRIVEWAY.
5. MINIMUM DISTANCE FROM TOP OF DRIVEWAY FLARE TO NEAREST CURB RETURN IS 50'.
6. INSTALL 1/4 IN. EXPANSION JOINTS ALONG REAR OF DRIVEWAY APRON USING A.P.W.A. APPROVED PREMOLDED FILLER WHEN ADJACENT TO CONCRETE.

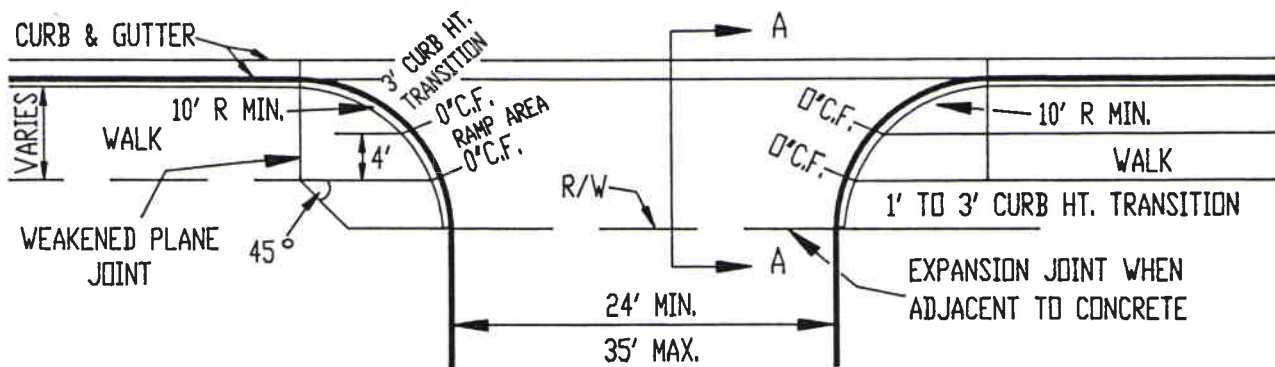
SECTION A-A



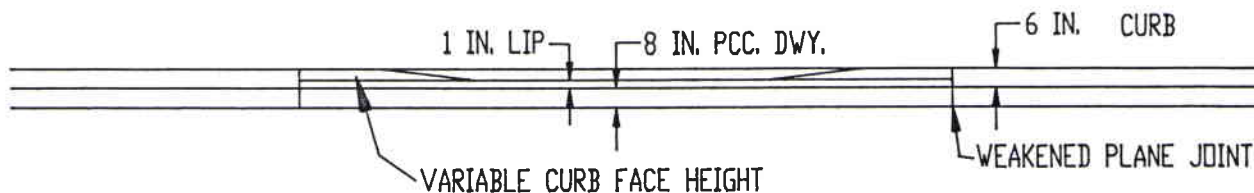
APPROVED BY: *Richard R. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 COMMERCIAL DRIVEWAY
 TYPE 1

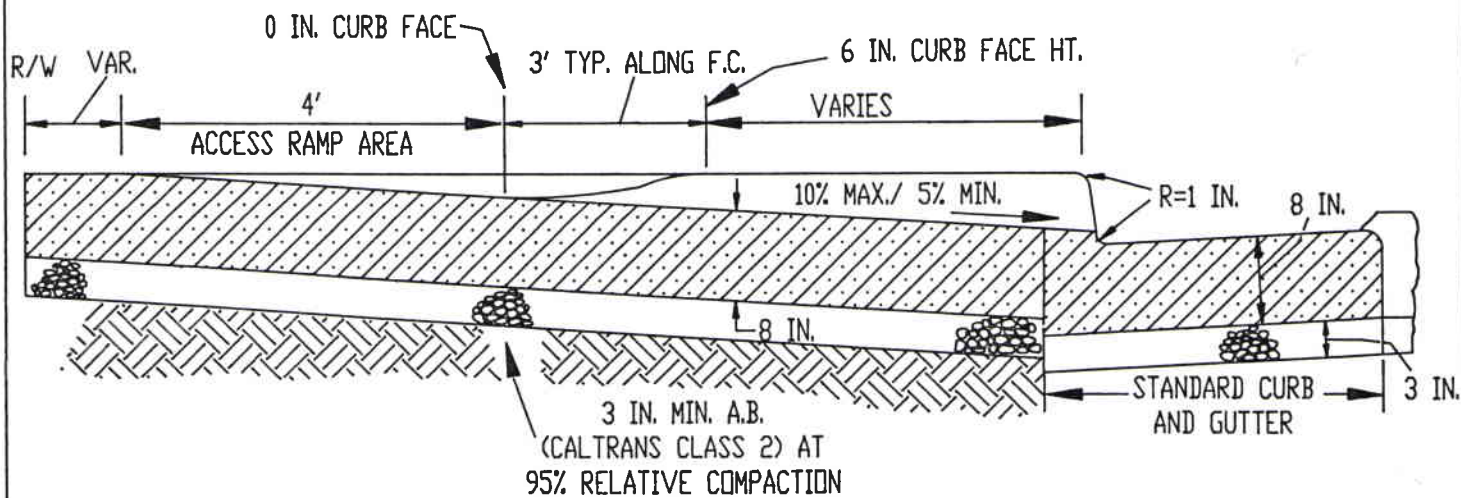
SCALE: NONE
 STD. DRWG.
 NO. S-7
 SHEET 1 OF 1



PLAN VIEW



ELEVATION VIEW



SECTION A-A

NOTES

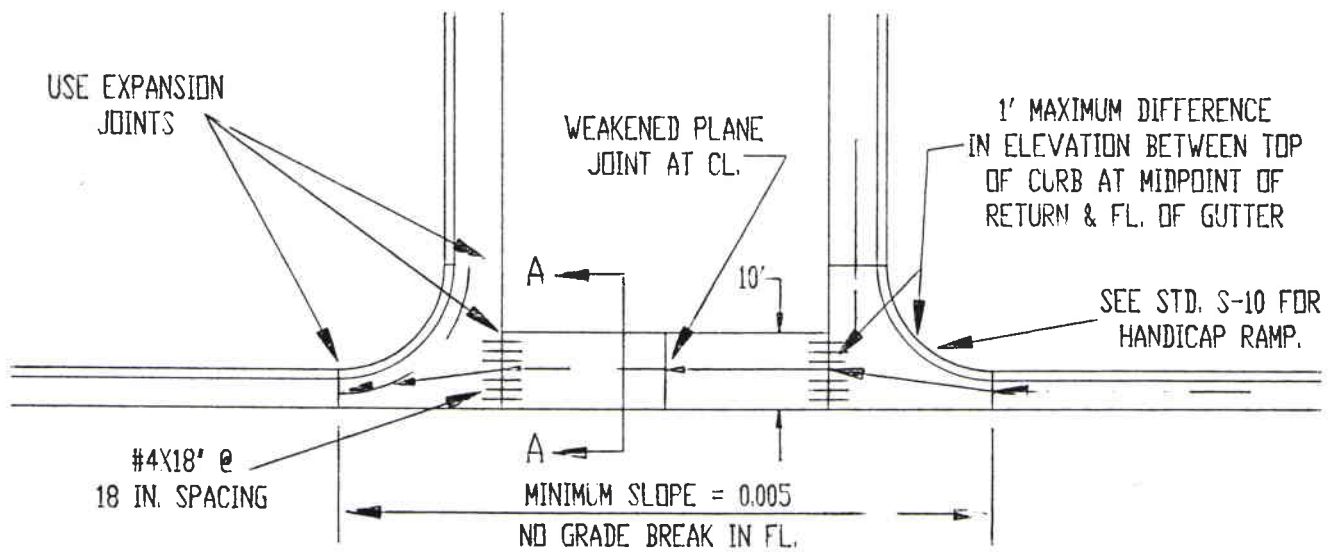
1. CONCRETE SHALL BE: 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD, 4 IN. MINIMUM SLUMP.
2. A MINIMUM 5' CLEARANCE IS REQUIRED FROM TOP OF DRIVEWAY FLARE TO PARKWAY OBSTRUCTIONS (POLE, TREE, ETC.)
3. NO MORE THAN ONE DRIVEWAY FOR EVERY 100' OF FRONTAGE.
4. MINIMUM DISTANCE BETWEEN TOP OF DRIVEWAY FLARES IS 35'. WHERE POSSIBLE ELIMINATE ADJACENT FLARES WITH COMMON DRIVEWAY.
5. MINIMUM DISTANCE FROM TOP OF DRIVEWAY FLARE TO NEAREST CURB RETURN IS 100'.
6. INSTALL 1/4 IN. EXPANSION JOINTS ALONG REAR OF DRIVEWAY APRON USING A.P.W.A. APPROVED PREMOLDED FILLER WHEN ADJACENT TO CONCRETE.



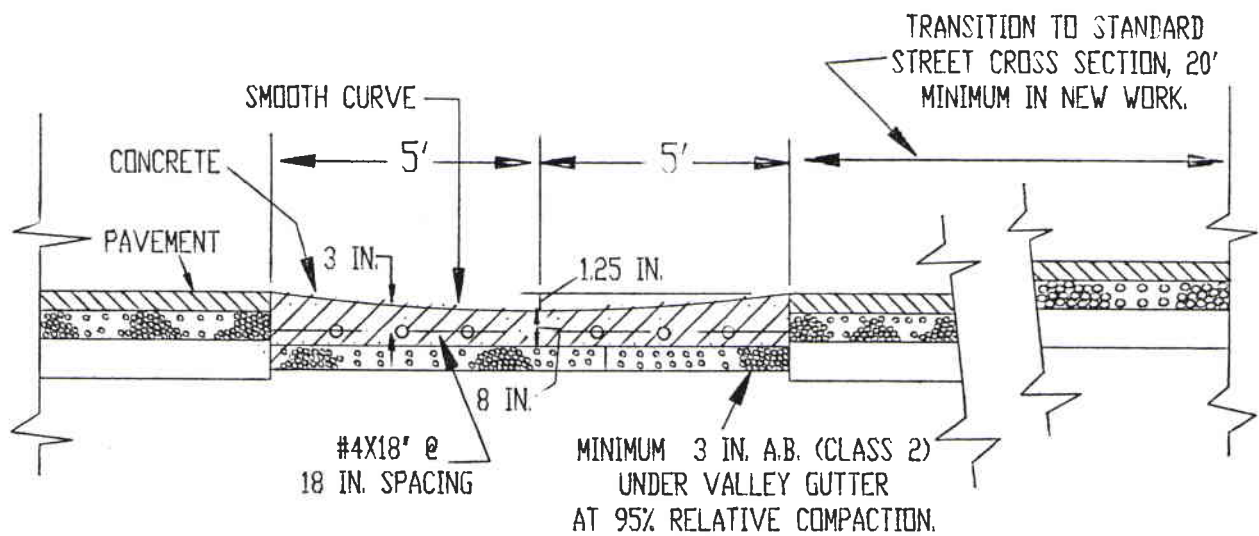
APPROVED BY: *Richard K. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 COMMERCIAL
 DRIVEWAY
 TYPE 2

SCALE: NONE
 STD. DRWG.
 NO.
 S-8
 SHEET 1 OF 1



PLAN VIEW



SECTION A-A

NOTES:

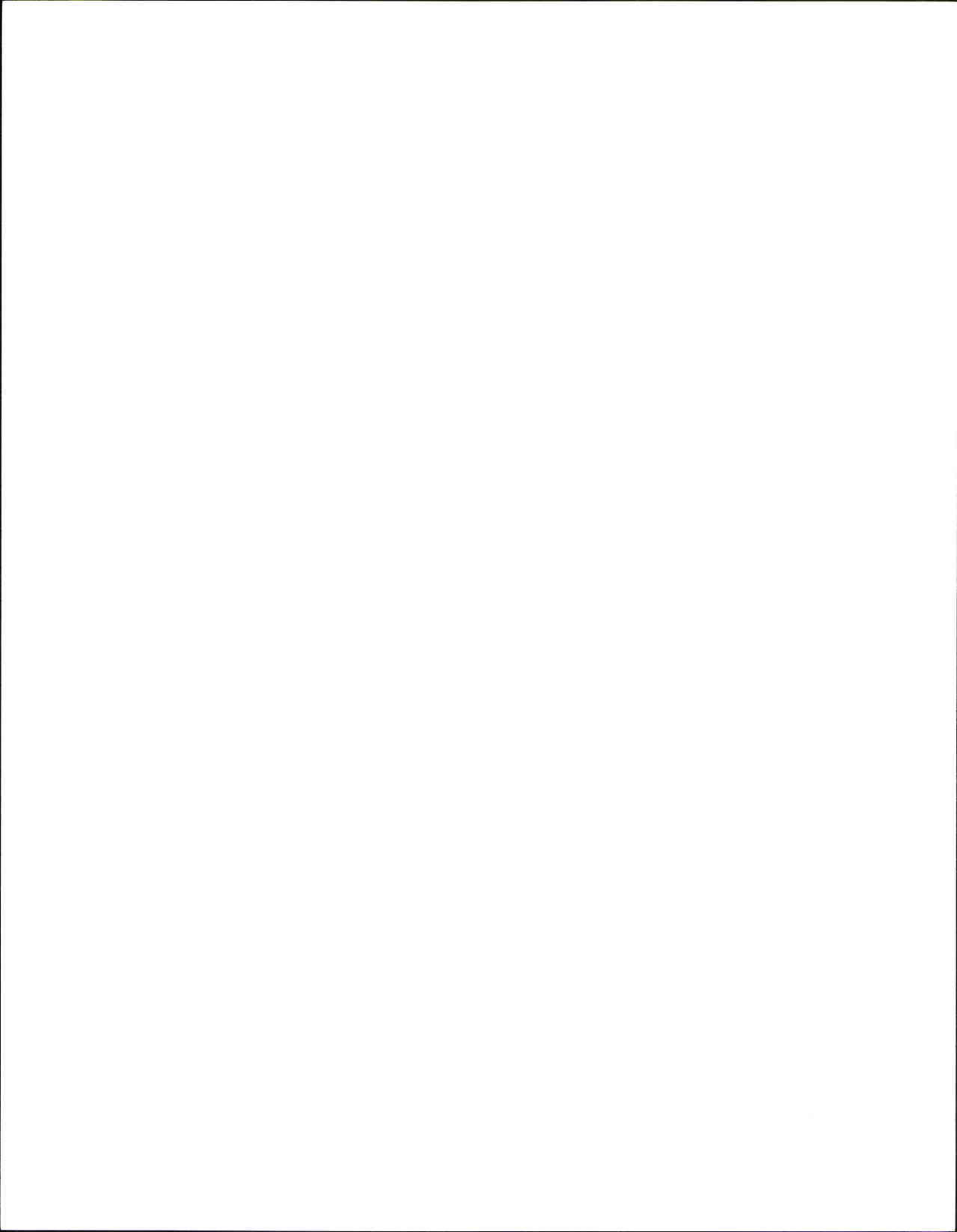
1. CONCRETE SHALL BE: 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD AND 4 IN. MAXIMUM SLUMP.
2. VALLEY GUTTERS ARE PERMITTED ONLY WITH THE APPROVAL OF THE CITY.



APPROVED BY: *Richard K. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 CONCRETE VALLEY
 GUTTER

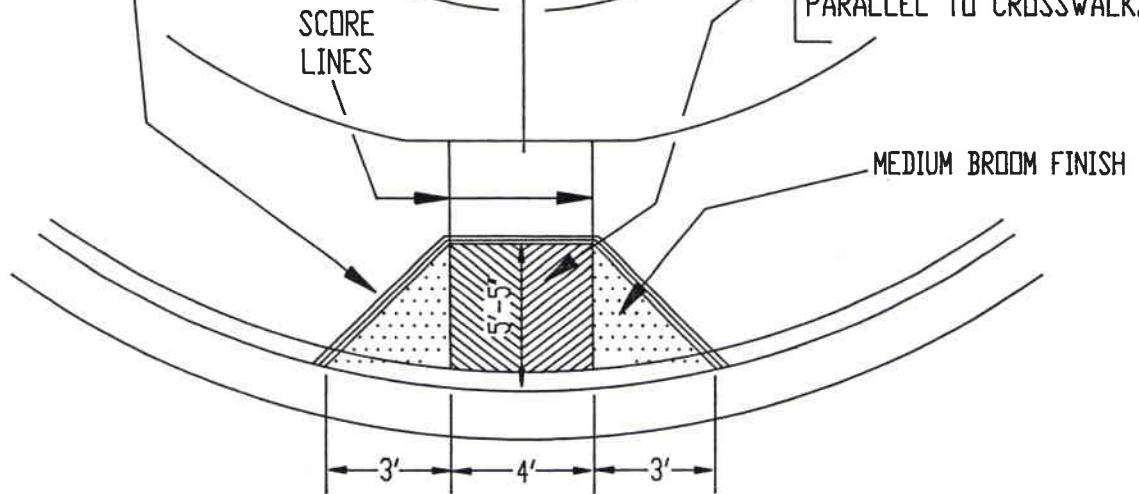
SCALE: NONE
 STD. DRWG.
 NO.
 S-9
 SHEET 1 OF 1



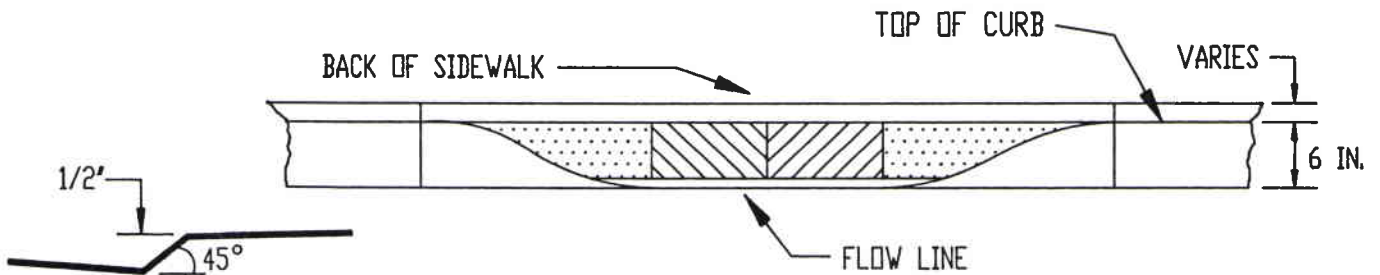
SCORING FOR A WIDTH OF 12 IN.
1/4 IN. DEEP X 1/4 IN. WIDE
3/4 IN. APART

LOCATE AT INTERSECTION MID. PT. OF
RETURN UNLESS OTHERWISE NOTED ON
PLANS OR DIRECTED BY THE ENGINEER.

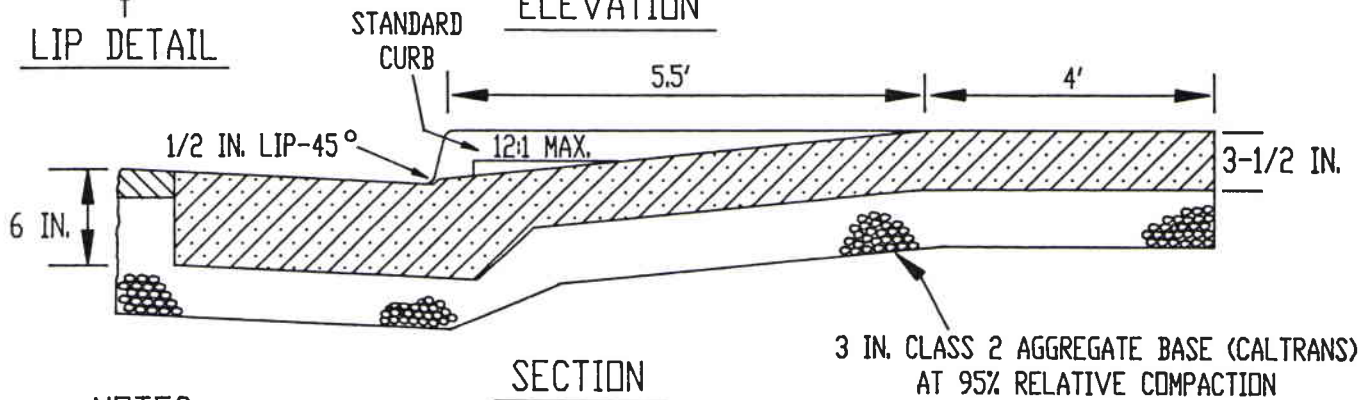
1/4 IN. DEEP X 1/4 IN. WIDE
GROOVES @ 1.5 IN. O.C. ALIGNED
PARALLEL TO CROSSWALK.



PLAN



ELEVATION



SECTION

NOTES:

1. CLASS OF CONCRETE SHALL BE: 520-C-2500; 520 LBS. CEMENT/CUBIC YARD, 2500 P.S.I. AND 4 IN. MAXIMUM SLUMP.
2. WHERE 4' PLATFORM IS NOT FEASIBLE, THE WIDTH MAY BE DECREASED AS DIRECTED BY THE CITY.



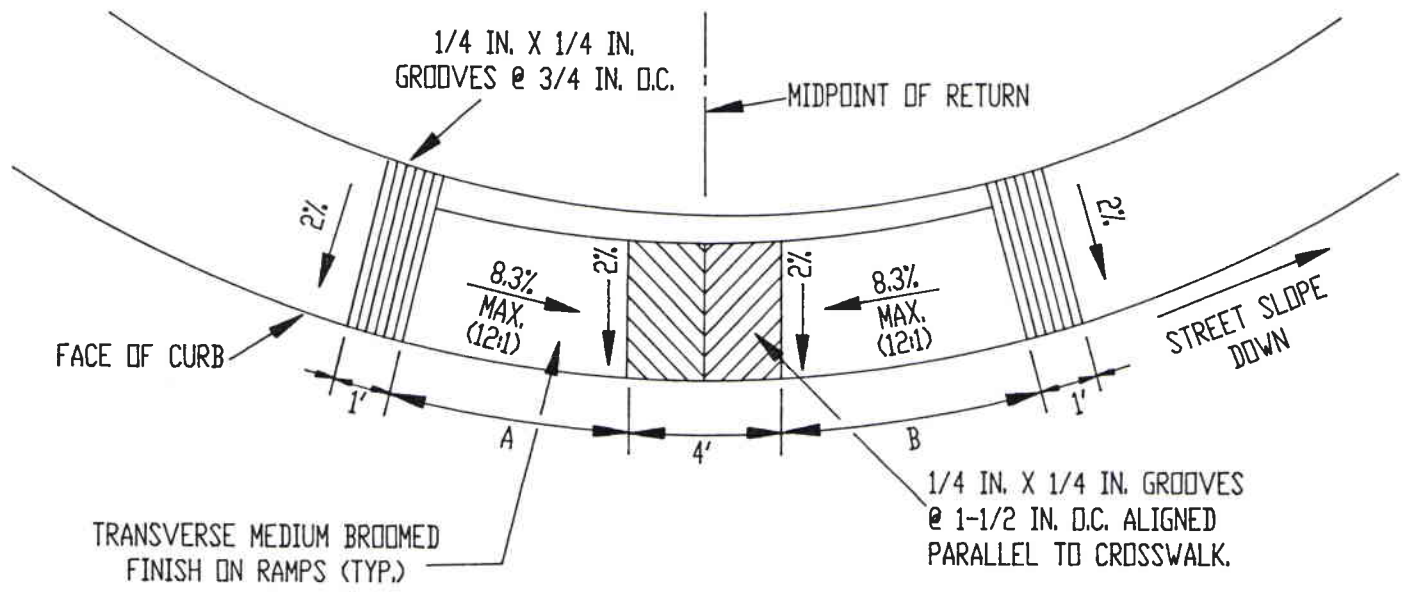
APPROVED BY:

DATE: 5/2/90

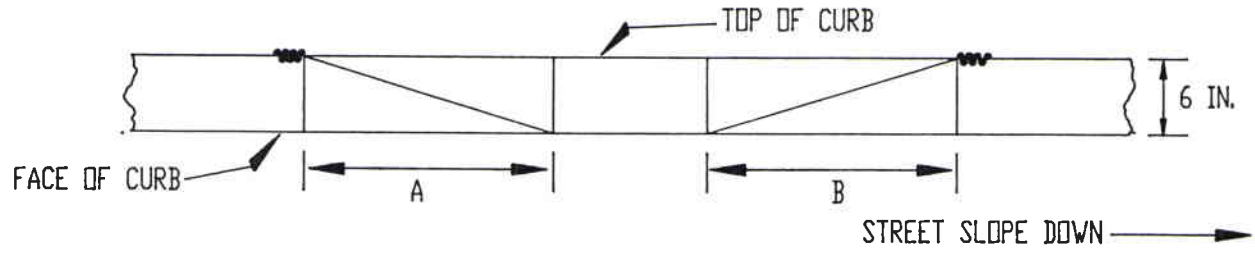
Richard R. Cullen
PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
STANDARD
HANDICAP RAMP
CASE A

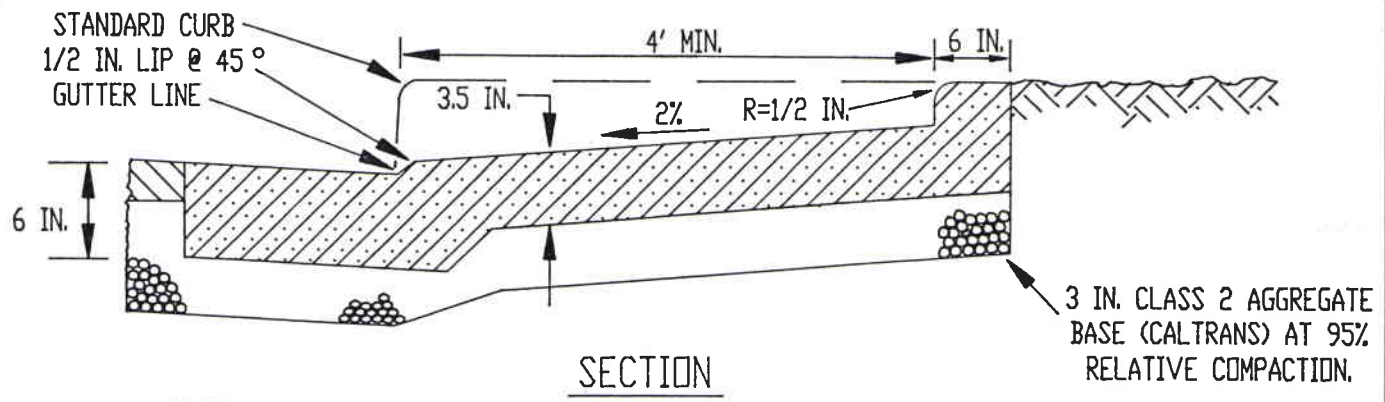
SCALE: NONE
STD. DRWG.
NO.
S-10A
SHEET 1 OF 2



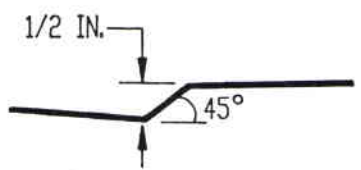
PLAN



ELEVATION



SECTION



LIP DETAIL

CONCRETE SHALL BE: 2500 P.S.I., 520 LBS. CEMENT/CUBIC YARD, 4 IN. MAXIMUM SLUMP.

NOTE:

SEE U.B.C. CHAPTER 2-71 FOR PLANTER AREA (10' WIDTH)

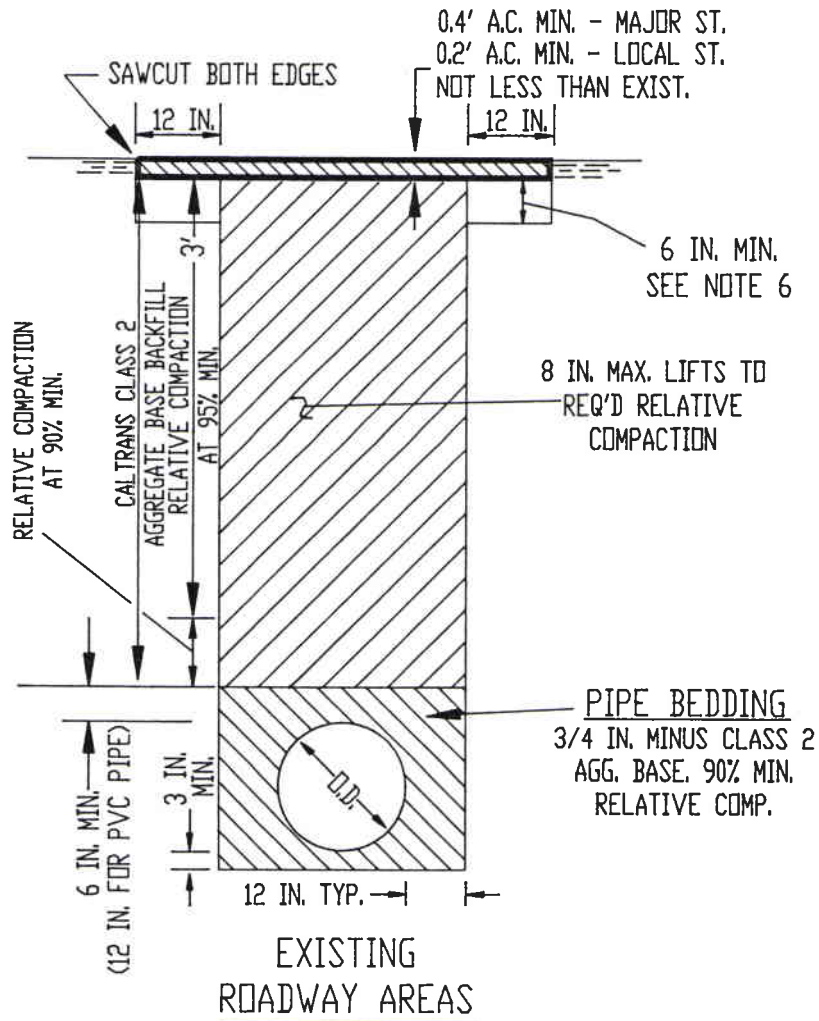
ST. SLOPE %	RAMP A	RAMP B
0 - 1	6.5	5
1 - 3	9	5
OVER 3	8	4



APPROVED BY: *Richard P. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 STANDARD
 HANDICAP RAMP
 CASE B

SCALE: NONE
 STD. DRWG. NO. S-10B
 SHEET 2 OF 2



NOTES:

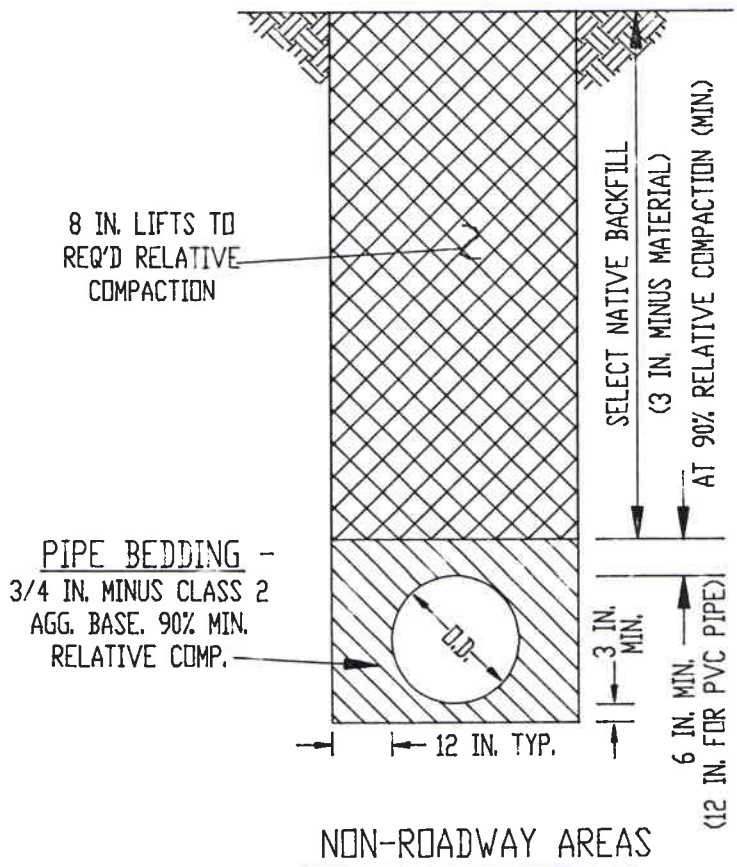
1. CITY INSPECTION REQUIRED PRIOR TO BACKFILL AND PRIOR TO ANY PAVEMENT PLACEMENT.
2. WHEN EDGE OF TRENCH IS PARALLEL AND WITHIN 3' OF EDGE OF PAVEMENT, EXISTING A.C. SECTION SHALL BE REMOVED AND REPLACED AS PART OF FINISH TRENCH PAVING. THIS APPLIES REGARDLESS OF WHAT MAY OR MAY NOT ABUT THE EDGE OF PAVEMENT.
3. EDGE OF TRENCH SHALL BE 4 IN. MINIMUM AWAY FROM LIP OF GUTTER.
4. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED.
5. CONTRACTOR SHALL COMPLY WITH UTILITY AGENCY'S PIPE BEDDING REQUIREMENTS WHERE APPLICABLE.
6. BACKFILL SHALL BE EXTENDED TO INCLUDE THIS AREA, IF AGGREGATE BASE DOES NOT EXIST HERE.
7. PRIME COAT AND TACK COAT SHALL BE APPLIED TO COMPLETE WIDTH AND EDGES JUST PRIOR TO PLACING ASPHALT CONCRETE.



APPROVED BY: *Richard R. Cullen* DATE: *9/24/91*
PUBLIC SERVICES DIRECTOR R.C.E. 23797

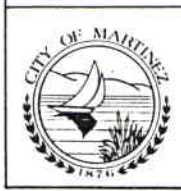
CITY OF MARTINEZ
STANDARD TRENCH
BACKFILL

SCALE: NONE
STD. DRWG.
NO.
S-11A
SHEET 1 OF 4



NOTES:

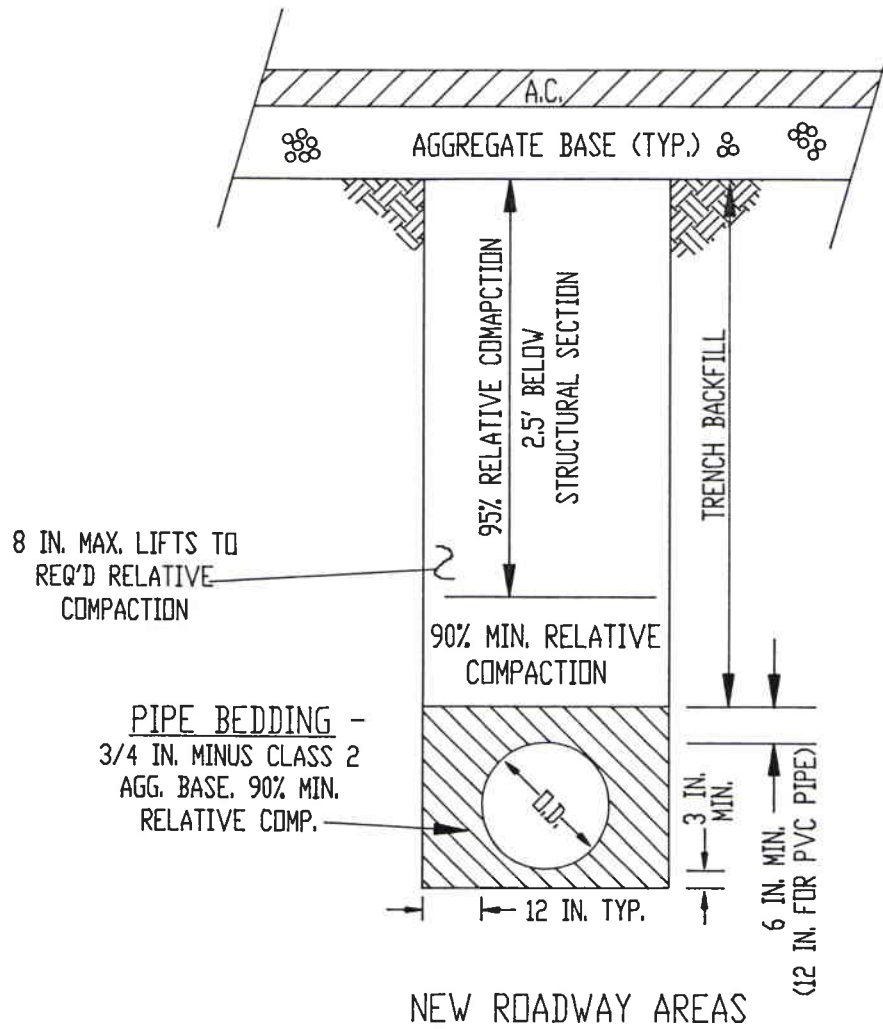
1. CITY INSPECTION REQUIRED TO PRIOR TO BACKFILL.
2. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED
3. CONTRACTOR SHALL COMPLY WITH UTILITY AGENCY'S PIPE BEDDING REQUIREMENTS WHERE APPLICABLE.



APPROVED BY: *Richard P. Cullen* DATE: *9/25/91*
 PUBLIC SERVICES DIRECTOR R.C.E./23797

CITY OF MARTINEZ
 STANDARD TRENCH
 BACKFILL

SCALE: NONE
 STD. DRVG. NO. S-11B
 SHEET 2 OF 4



NOTES:

TRENCH BACKFILL IN NEW ROADWAY AREAS SHALL MEET THE FOLLOWING REQUIREMENTS:

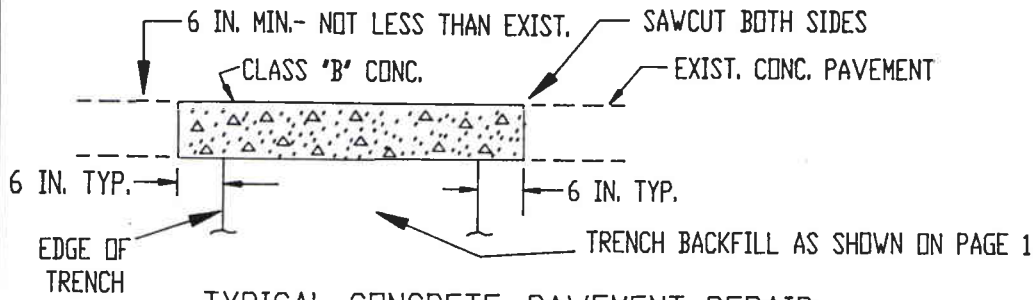
1. FREE OF ORGANIC MATERIAL, STONES (ROCKS) OR LUMPS EXCEEDING 3 INCHES IN GREATEST DIMENSION.
2. SHALL HAVE A SAND EQUIVALENT OF 20 OR GREATER. CITY SHALL BE PROVIDED WITH TEST RESULTS PRIOR TO PLACEMENT.
3. SHALL HAVE A PLASTICITY INDEX OF 17 OR LESS. CITY SHALL BE PROVIDED WITH TEST RESULTS PRIOR TO PLACEMENT.
4. CITY INSPECTION REQUIRED PRIOR TO BACKFILL AND PRIOR TO ANY PAVEMENT PLACEMENT.
5. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED.
6. CONTRACTOR SHALL COMPLY WITH UTILITY AGENCY'S PIPE BEDDING REQUIREMENTS WHERE APPLICABLE.



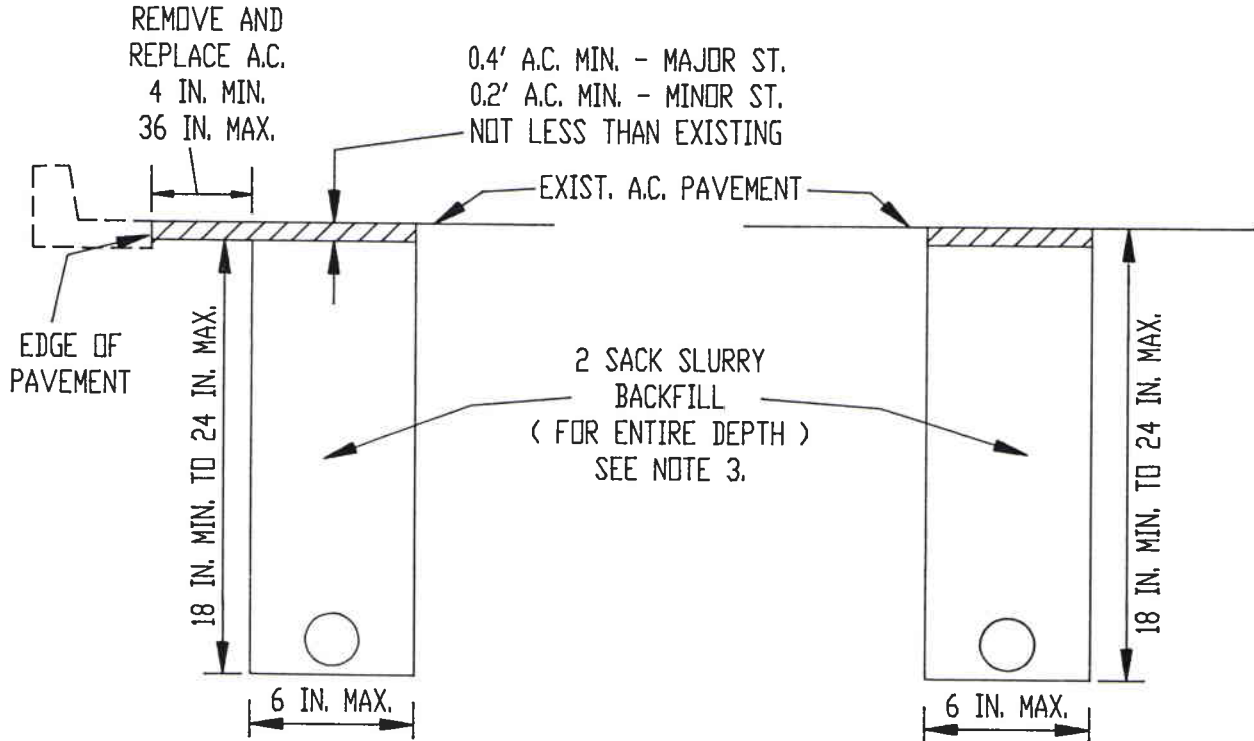
APPROVED BY: *Richard Kullen* DATE: *9/24/91*
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 STANDARD TRENCH
 BACKFILL

SCALE: NONE
 STD. DRWG.
 NO. S-11C
 SHEET 3 OF 4



TYPICAL CONCRETE PAVEMENT REPAIR



PARALLEL TO CURB

PERPENDICULAR CROSSING
(REQUIRES PRIOR APPROVAL)

ROCKWHEEL TRENCH

NOTES:

1. CITY INSPECTION REQUIRED PRIOR TO BACKFILL AND PRIOR TO CONCRETE OR ASPHALT PLACEMENT.
2. WHEN EDGE OF TRENCH IS PARALLEL AND WITHIN 3' OF EDGE OF PAVEMENT, EXISTING A.C. SECTION SHALL BE REMOVED AND REPLACED AS PART OF FINISH TRENCH PAVING. THIS APPLIES REGARDLESS OF WHAT MAY OR MAY NOT ABUT THE EDGE OF PAVEMENT.
3. SLURRY CEMENT BACKFILL SHALL CONFORM TO SECTION 19-3.062 OF STATE (CALTRANS) STANDARD SPECIFICATIONS.
4. PRIME COAT AND TACK COAT SHALL BE APPLIED TO COMPLETE WIDTH AND EDGES JUST PRIOR TO PLACING ASPHALT CONCRETE.



APPROVED BY:

DATE:

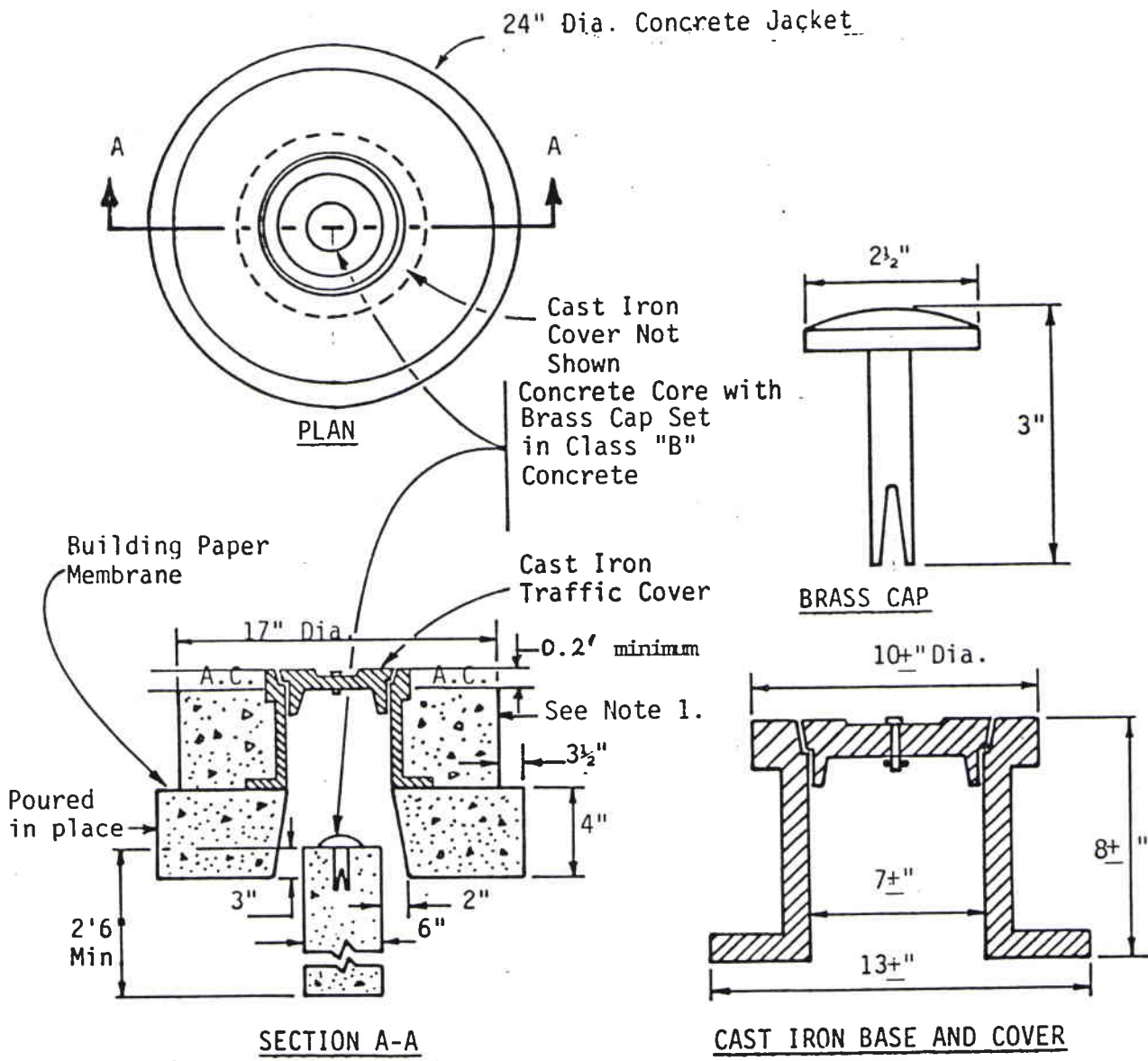
Richard P. Cullen 9/24/91
PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ

STANDARD TRENCH
BACKFILL

SCALE: NONE
STD. DRWG.
NO.
S-11D

SHEET 4 OF 4



Notes:

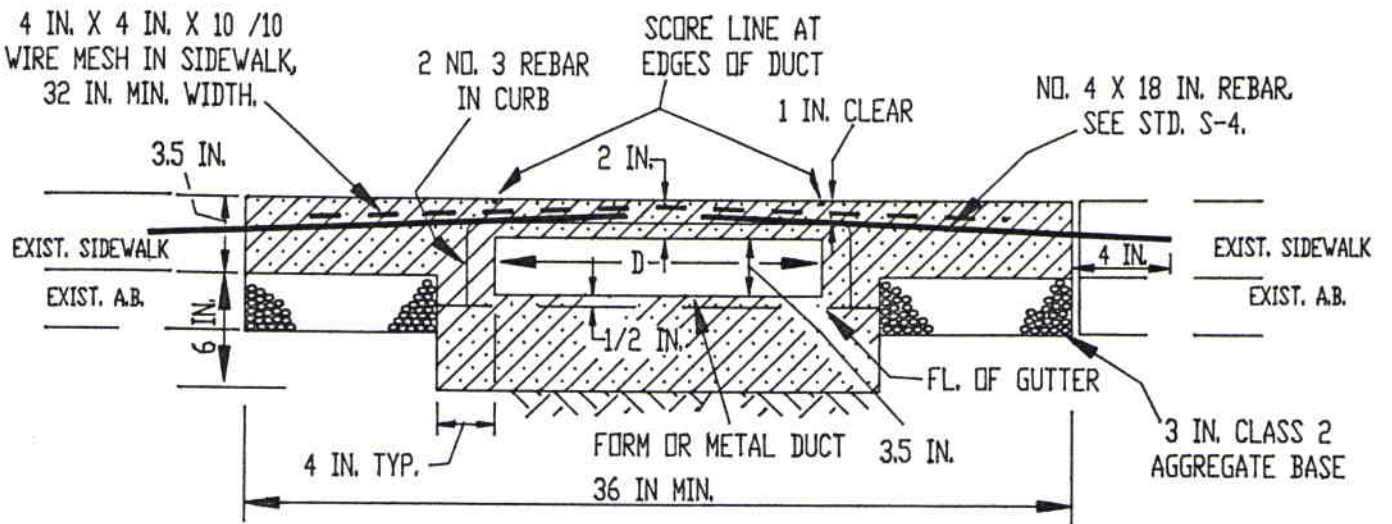
1. Precast alternates may be accepted upon approval of City Engineer.
2. Cast iron cover shall have the words "City Monument" in raised letters, center punch holes in brass caps shall be placed by a licensed land surveyor or registered engineer. The No. of the engineer or surveyor shall be stamped on the cap.



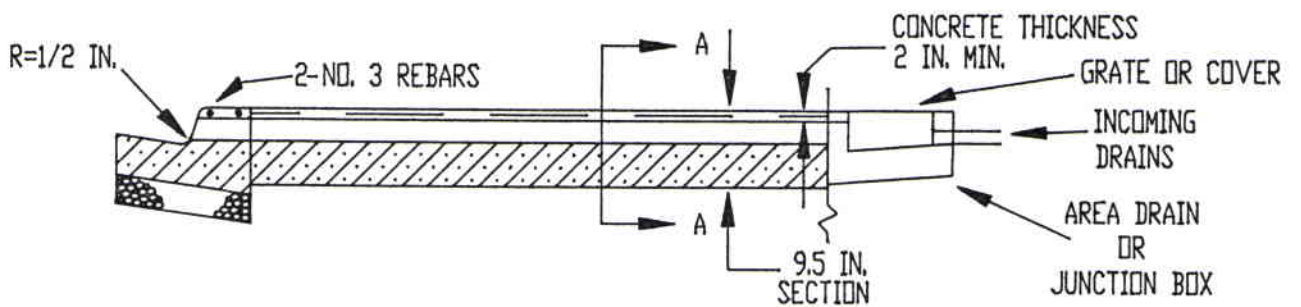
APPROVED BY: *Richard R. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
**SURVEY
 MONUMENT**

SCALE: NONE
 STD. DRWG.
 NO.
S-12
 SHEET 1 OF 1



SECTION A-A



LONGITUDINAL SECTION

DIMENSION D	MAXIMUM CAPACITY
6 IN.	0.57 CUBIC FEET PER SEC.
9 IN.	0.94 CUBIC FEET PER SEC.
12 IN. MAX.	1.29 CUBIC FEET PER SEC.

NOTES:

1. 18 GAUGE GALVANIZED METAL DUCT OR FORM SHALL BE SUPPORTED TO PREVENT DISTORTION DURING POURING OF CONCRETE.
2. COLLAPSIBLE, REMOVABLE FORM MAY BE USED IN LIEU OF 18 GA. METAL DUCT.
3. THE CONCRETE AND DUCT SHALL EXTEND CONTINUOUSLY FROM THE AREA DRAIN TO FACE OF CURB.
4. CAPACITIES ARE BASED ON S=1/4 IN. PER 1' OR 2%.
5. REFER TO STD. S-4 FOR JOINTS TO EXISTING CONCRETE.
6. REFER TO STD. S-5 FOR CURB & GUTTER REPLACEMENT.



APPROVED BY:

DATE: 5/2/90

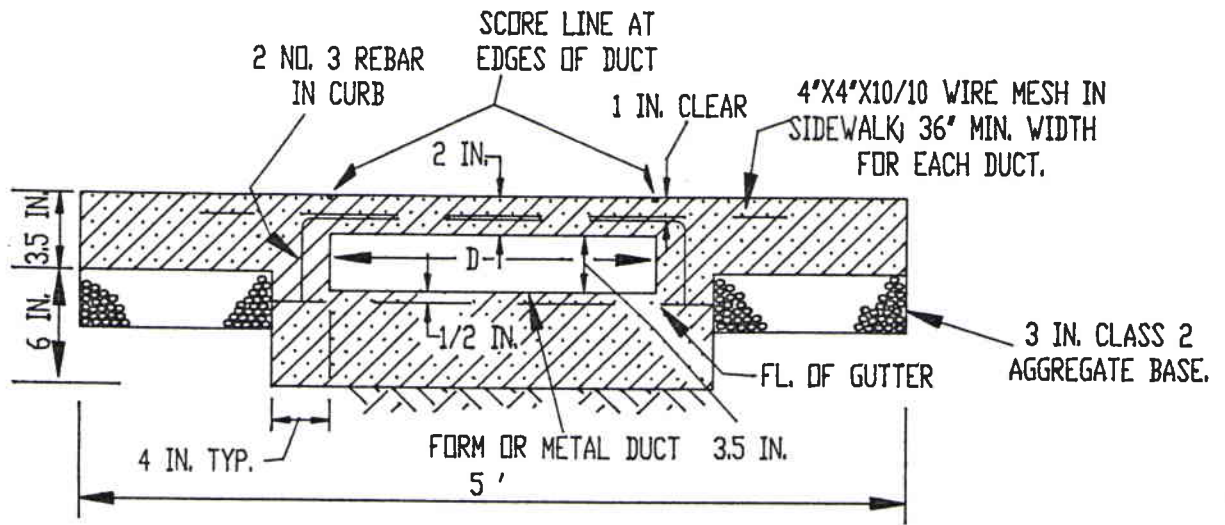
Richard P. Cullen
PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ

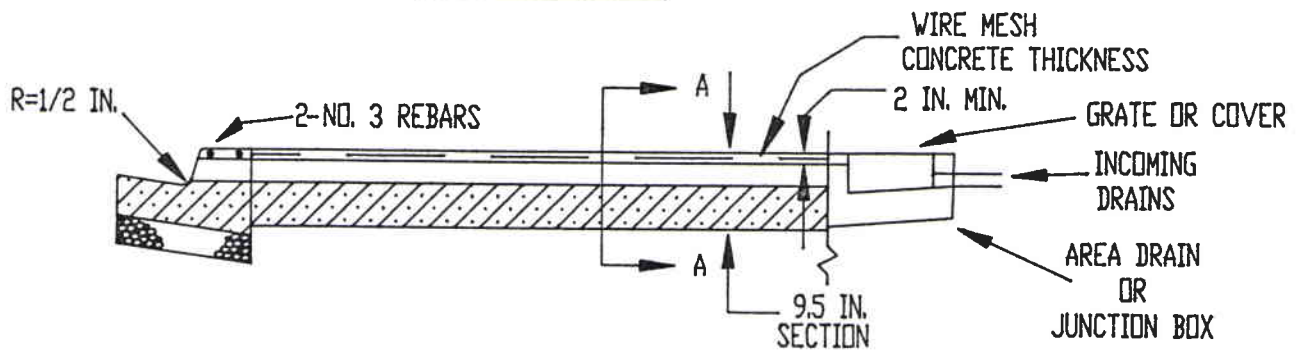
SIDEWALK BOX
CROSS DRAINS -
EXIST. SIDEWALK

SCALE: NONE
STD. DRWG.
NO.
S-13A

SHEET 1 OF 2



SECTION A-A



LONGITUDINAL SECTION

DIMENSION D	MAXIMUM CAPACITY
6 IN.	0.57 CUBIC FEET PER SEC.
9 IN.	0.94 CUBIC FEET PER SEC.
12 IN. MAX.	1.29 CUBIC FEET PER SEC.

NOTES:

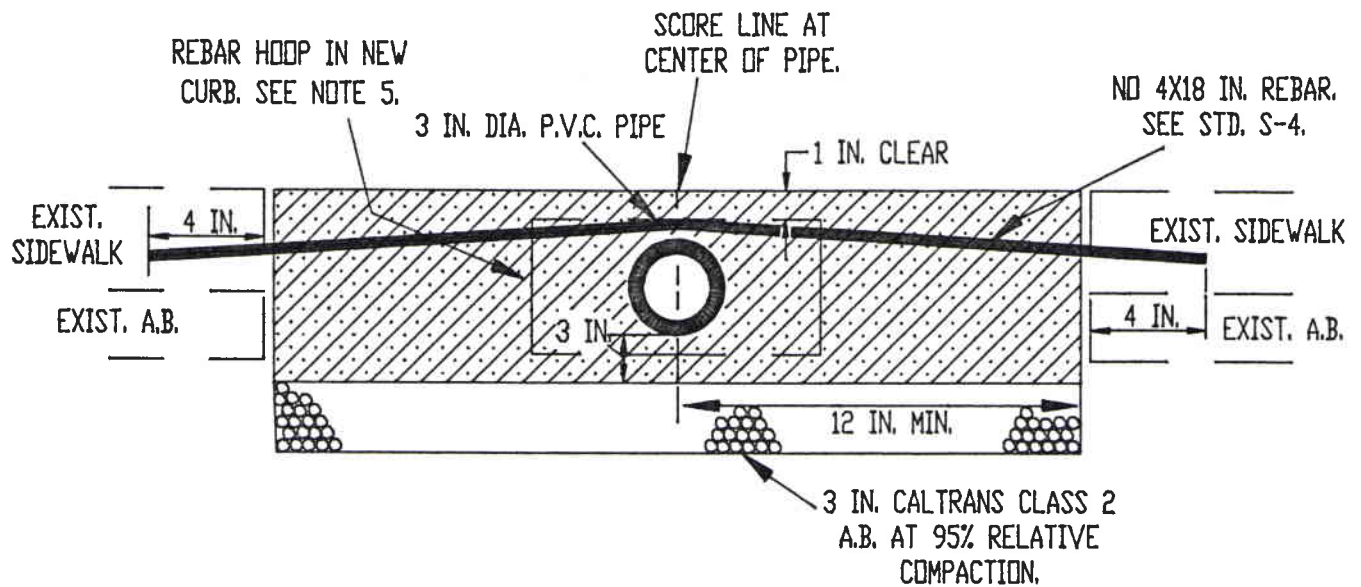
- 18 GAUGE GALVANIZED METAL DUCT OR FORM SHALL BE SUPPORTED TO PREVENT DISTORTION DURING POURING OF CONCRETE.
- COLLAPSIBLE, REMOVABLE FORM MAY BE USED IN LIEU OF 18 GA. METAL DUCT.
- THE CONCRETE AND DUCT SHALL EXTEND CONTINUOUSLY FROM THE AREA DRAIN TO FACE OF CURB.
- CAPACITIES ARE BASED ON S=1/4 IN. PER 1' OR 2%.



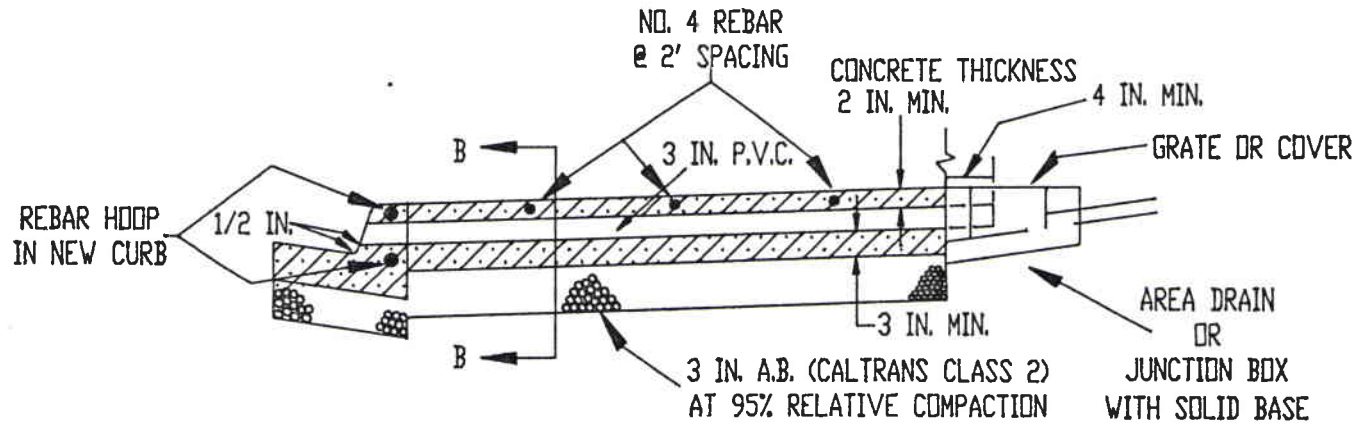
APPROVED BY: *Richard R. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 SIDEWALK BOX
 CROSS DRAINS—
 NEW INSTALLATION

SCALE: NONE
 STD. DRWG.
 NO.
 S-13A
 SHEET 2 OF 2



SECTION B-B



LONGITUDINAL SECTION

NOTES:

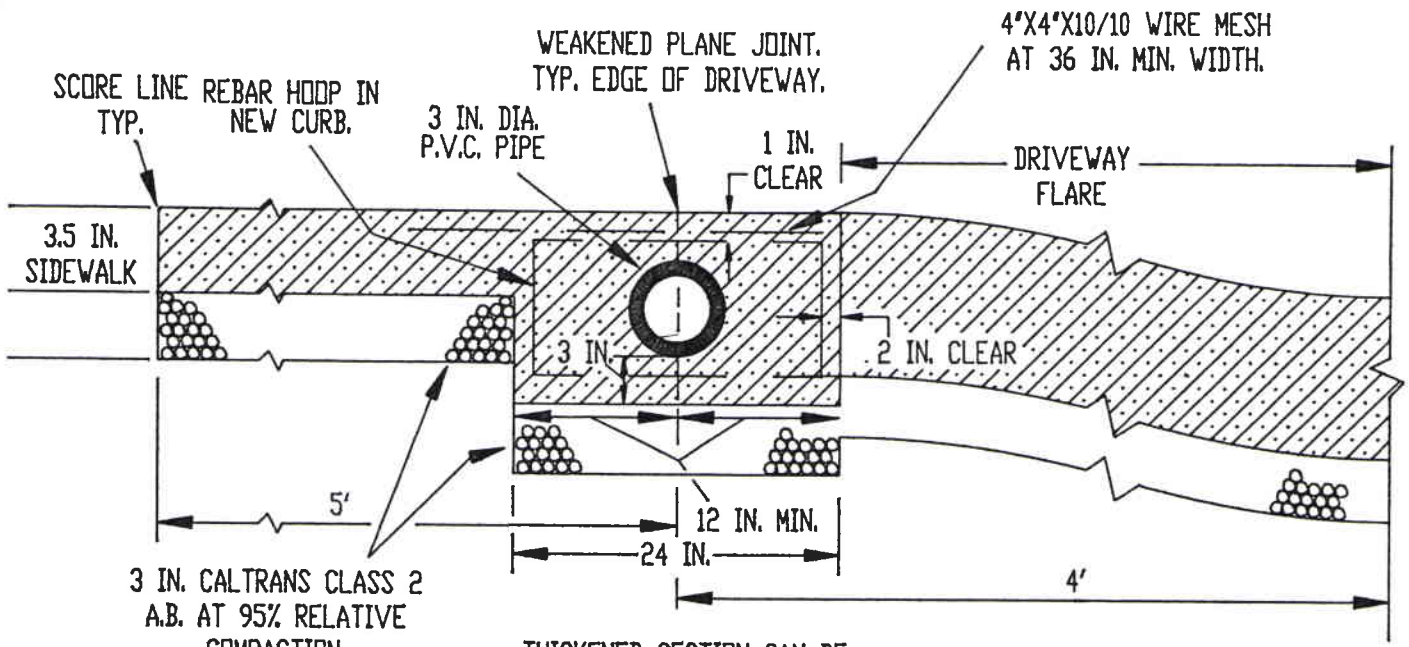
1. MAXIMUM CAPACITY = 0.15 CUBIC FEET PER SECOND AT $S=1/4$ IN. PER 1' OR 2%.
2. NO PIPE JOINTS SHALL BE ALLOWED. PIPE SHALL BE CONTINUOUS FROM FACE OF CURB TO AREA DRAIN.
3. P.V.C. SHALL CONFORM TO A.S.T.M. D3034 SCHEDULE 40.
4. INSTALLATION THRU EXISTING SIDEWALK REQUIRES 2' MINIMUM WIDTH CUT - OUT.
5. OPENING THRU CURB MAY BE CORE DRILLED WHEN APPROVED BY THE CITY.
6. ADDITIONAL PIPES MAY BE PLACED AT 4 IN. MINIMUM CLEARANCE BETWEEN PIPES.
7. REFER TO STD. S-4 FOR JOINTS TO EXISTING CONCRETE.
8. REFER TO STD. S-5 FOR CURB & GUTTER REPLACEMENT.



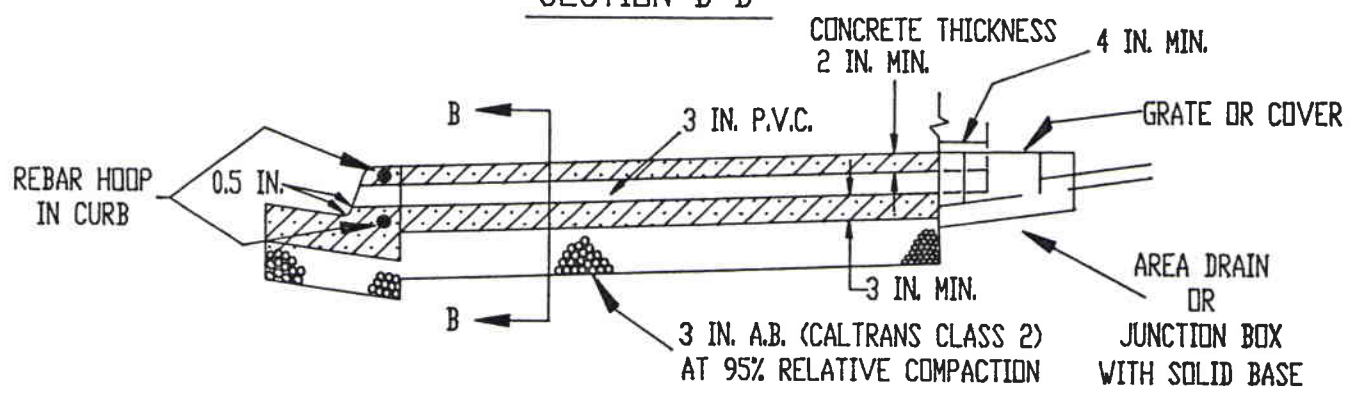
APPROVED BY: *Richard R. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 SIDEWALK
 PIPE CROSS DRAIN -
 EXISTING SIDEWALK

SCALE: NONE
 STD. DRWG.
 NO.
 S-13B
 SHEET 1 OF 2



THICKENED SECTION CAN BE ANYWHERE WITHIN THE 5 FT. SECTION.
SECTION B-B



LONGITUDINAL SECTION

NOTES:

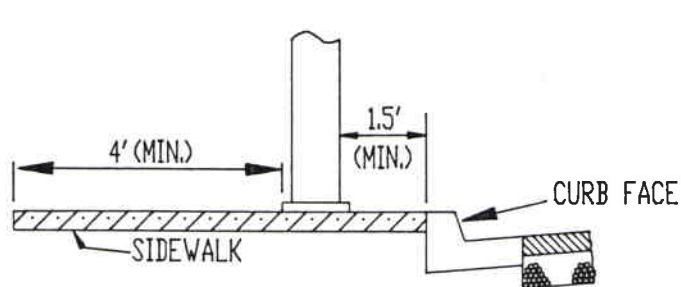
1. MAXIMUM CAPACITY = 0.15 CUBIC FEET PER SECOND AT S=1/4 IN. PER 1' OR 2%.
2. NO PIPE JOINTS SHALL BE ALLOWED. PIPE SHALL BE CONTINUOUS FROM FACE OF CURB TO AREA DRAIN.
3. P.V.C. SHALL CONFORM TO A.S.T.M. D3034 SCHEDULE 40.
4. ADDITIONAL PIPES MAY BE PLACED AT 4 INCHES MINIMUM CLEARANCE BETWEEN PIPES.
5. WHEN PIPE IS INSTALLED IN LOCATIONS OTHER THAN ADJACENT TO A DRIVEWAY, THE PIPE MAY BE LOCATED UNDER EITHER A WEAKENED PLANE JOINT OR A SCORE LINE.



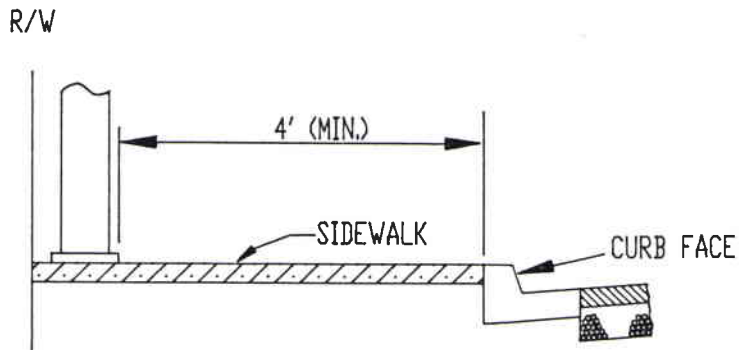
APPROVED BY: *Richard P. Cullen* DATE: 5/2/90
PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
SIDEWALK
PIPE CROSS DRAIN -
NEW INSTALLATION

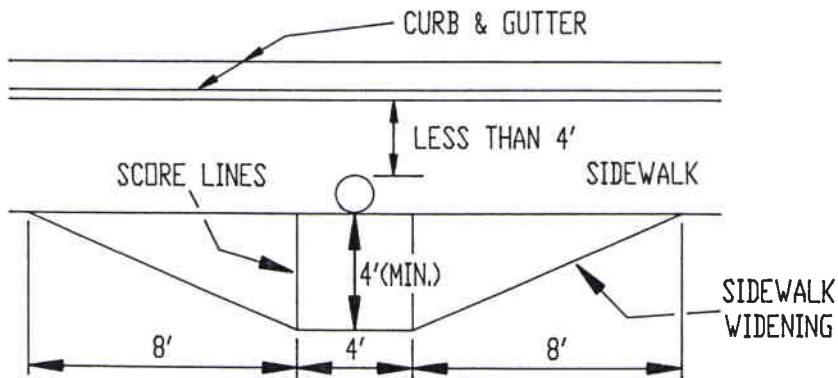
SCALE: NONE
STD. DRWG. NO. S-13B
SHEET 2 OF 2



CASE 1



CASE 2



CASE 3

NOTES:

1. OBSTRUCTIONS WITHIN SIDEWALKS SHALL BE AVOIDED WHENEVER POSSIBLE.
2. THE MINIMUM CLEAR WIDTH OF SIDEWALK WILL BE FOUR (4) FEET FROM ANY VERTICAL OBSTRUCTION AS SHOWN ABOVE, WITH TOTAL MINIMUM SIDEWALK WIDTH OF 5 FEET (SEE NOTE 5 ON STD. DWG. S-3).
3. THE DISTANCE FROM THE CURB FACE TO A FIRE HYDRANT OR TRAFFIC SIGN SHALL IN NO INSTANCE BE GREATER THAN SIX (6) FEET.

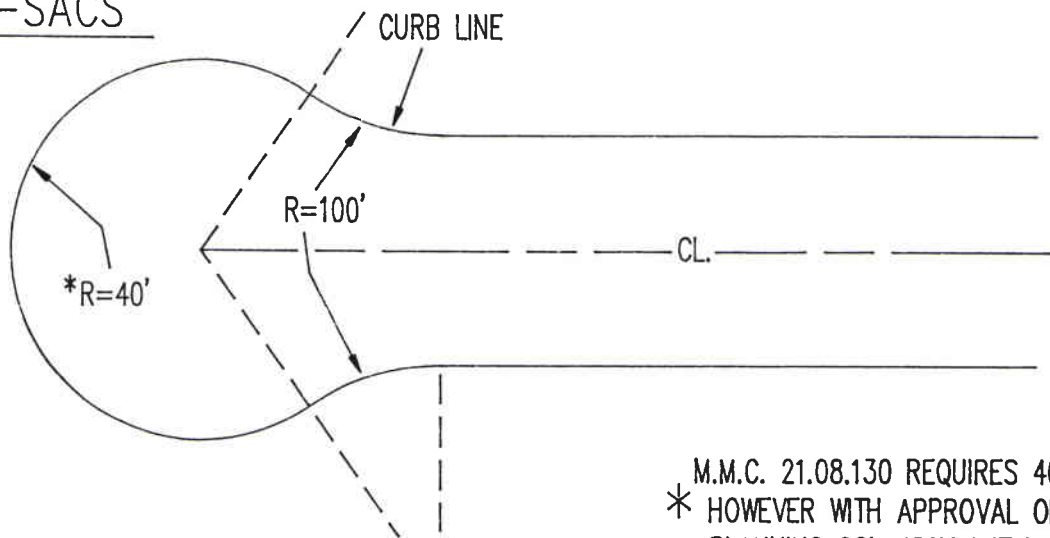


APPROVED BY: *Richard K. Cullen* DATE: 5/2/90
 PUBLIC SERVICES DIRECTOR R.C.E. 23797

CITY OF MARTINEZ
 PARKWAY
 OBSTRUCTION

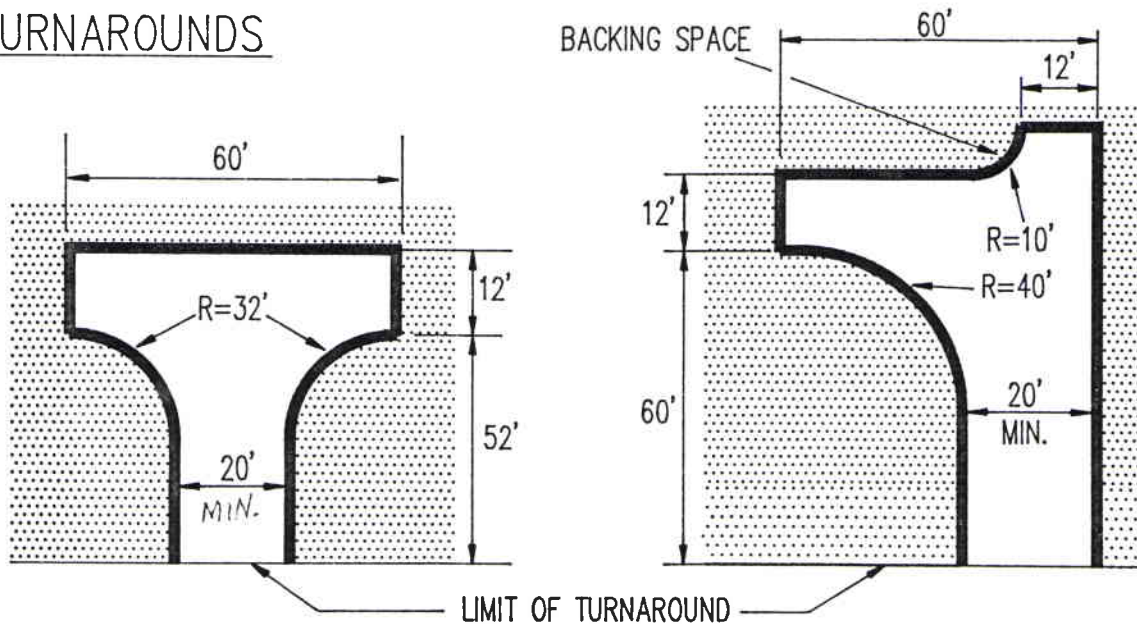
SCALE: NONE
 STD. DRWG.
 NO.
 S-14
 SHEET 1 OF 1

CUL-DE-SACS



M.M.C. 21.08.130 REQUIRES 40' RADIUS,
 * HOWEVER WITH APPROVAL OF THE
 PLANNING COMMISSION IT MAY BE
 REDUCED TO A 36' RADIUS WITH
 "NO PARKING" RESTRICTIONS.

TURNAROUNDS



T-TURN
 NO SCALE

SHUNT
 NO SCALE

NOTES:

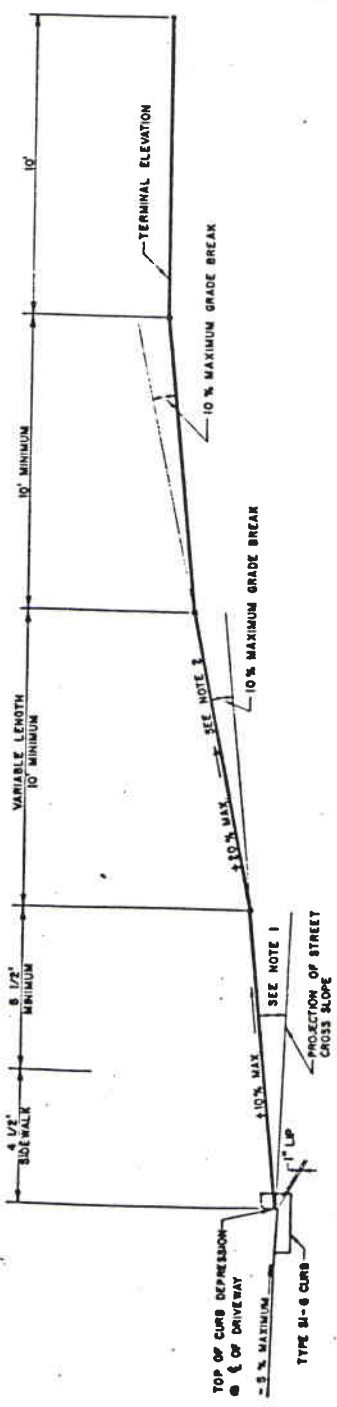
1. TURNAROUNDS (HAMMERHEADS) ARE PERMITTED ONLY ON PRIVATE DRIVES SERVING FOUR OR LESS HOMES UNLESS OTHERWISE APPROVED BY THE CITY.
2. TURNAROUNDS ARE NOT PERMITTED ON PUBLIC STREETS.
3. "NO PARKING ANYTIME" RESTRICTIONS ARE REQUIRED FOR ENTIRE TURNAROUND AREA.

APPROVED BY: <i>Richard R. Cullen</i> DATE: <i>2/27/92</i> PUBLIC SERVICES DIRECTOR R.C.E. 23797	CITY OF MARTINEZ	SCALE: NONE
	CUL-DE-SAC & TURNAROUND STANDARDS	STD. DRWG. NO. S-15
		SHEET 1 OF 1

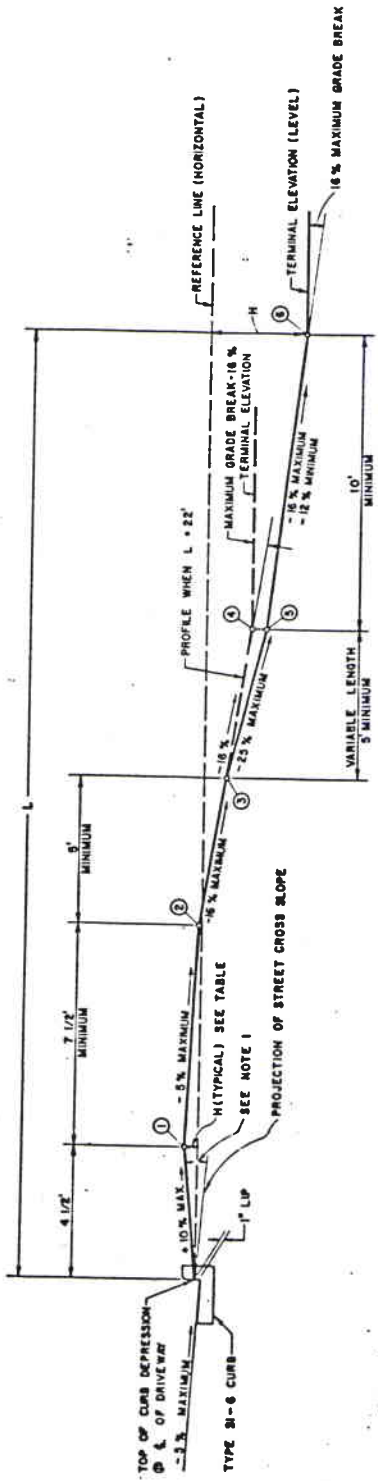
APPROVED *Mar 13 1981*
 PUBLIC WORKS DIRECTOR - R. E. CERT. NO. 16870

NOTES

1. GRADE DIFFERENCE BETWEEN INTERSECTING STREET CROSS SLOPE AND CENTERLINE OF PROPOSED DRIVEWAY IS TO BE NO GREATER THAN 10% FOR 10 FEET STARTING FROM FACE OF CURB ON SIDE OF PAVEMENT. IN NO CASE SHALL GRADE FROM FACE OF CURB ON EDGE OF PAVEMENT BE GREATER THAN 10% WITHIN THE FIRST 10'. IF DRIVEWAY SERVES MORE THAN ONE LOT, MAX. DRIVEWAY GRADE IS 20%. IF DRIVEWAY SERVES ONLY ONE LOT, A 25% MAX. GRADE WILL BE ALLOWED. ADDITIONAL DRIVEWAY LENGTH MUST BE PROVIDED TO ACCOMMODATE THE EXCESS GRADE BREAK.
2. CAR DIMENSIONS WERE OBTAINED FROM THE 1977 EDITION OF "PARKING DIMENSIONS", MOTOR VEHICLE MANUFACTURES ASSOC. 320 NEW CENTER BLVD. DETROIT, MICH. 48202. THIS DESIGN & CONSTRUCTION AID IS BASED ON THE MOST UNFAVORABLE DIMENSIONS OF CARS LISTED FOR UNIQUE OR OVERSIZED CARS. SPECIAL DESIGN IS REQUIRED.
3. "H" DENOTES DIFFERENCE IN ELEVATION BETWEEN REFERENCE LINE AND DRIVEWAY PLANE AT VARIOUS POINTS.
4. "L" VARYING LENGTH OF DRIVEWAY.



ASCENDING DRIVEWAY



DESCENDING DRIVEWAY

TABLE OF OFFSETS "H" FROM REFERENCE LINE

POINT	L=22	L=32	L=35	L=40	L=45
1	H=05	H=03	H=05	H=05	H=05
2	H=01	H=01	H=01	H=01	H=01
3	H=07	H=07	H=07	H=07	H=07
4	H=15				
5		H=20	H=27	H=40	H=52
6			H=32	H=39	H=52

CONTRA COSTA COUNTY
 PUBLIC WORKS DEPARTMENT
 DESIGN AND CONSTRUCTION
 AID
 DRIVEWAY DATA
 CC 203