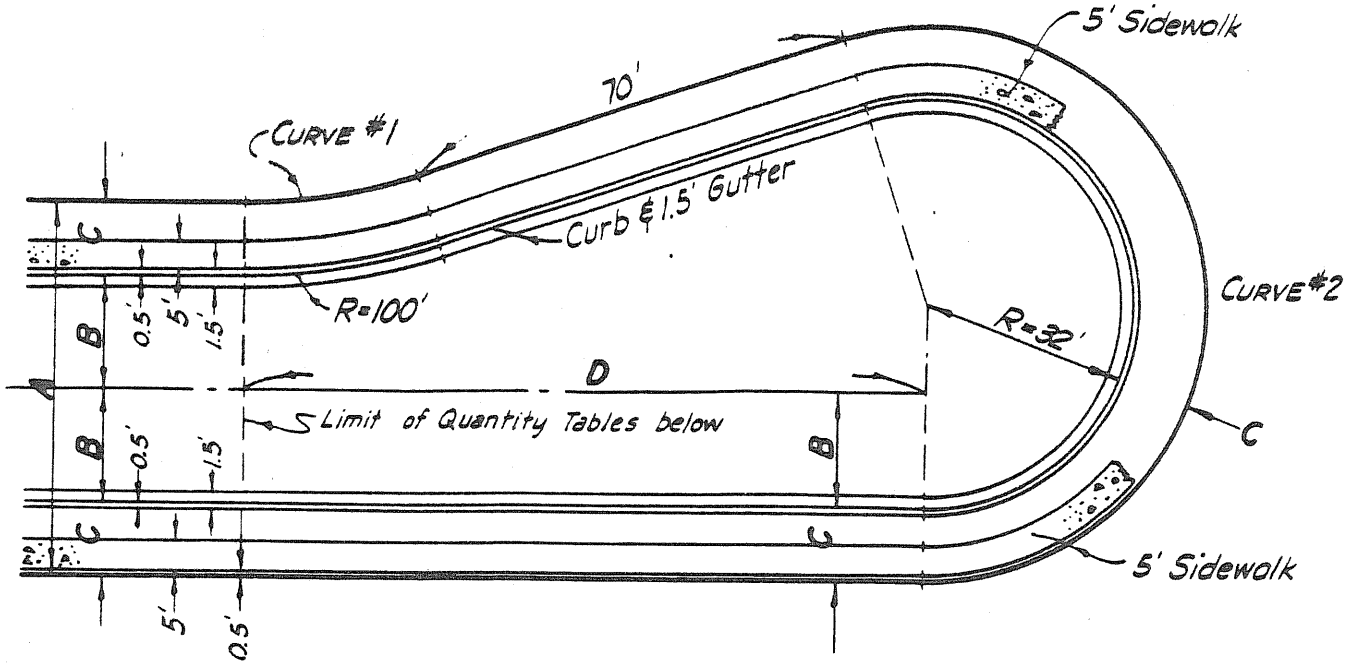


A	B	C	D	CURVE # 1							CURVE # 2				
				Δ	Curb			℞			Δ	Curb		℞	
					R	L	T	R	L	T		R	L	R	L
50	18	7	107.28	17°57'04	100	31.33	15.79	93	29.14	14.69	197°57'04"	32	110.56	39	134.74
60	18	12	107.28	17°57'04	100	31.33	15.79	88	27.57	13.90	197°57'04"	32	110.56	44	152.02
60	20	10	103.25	15°46'26"	100	27.53	13.85	90	24.78	12.47	195°46'26"	32	109.34	42	143.51

A	B	Curb Length-ft	Sidewalk-SQ. FT.		Pavement-Sq. Ft. 1.5' Gutter
			Adjacent to Curb	Adjacent to ℞	
50	18	319.2	1642.9	1658.7	6358.5
60	18	319.2	1642.9	1737.2	6358.5
60	20	310.1	1597.5	1660.5	6411.1

Notes

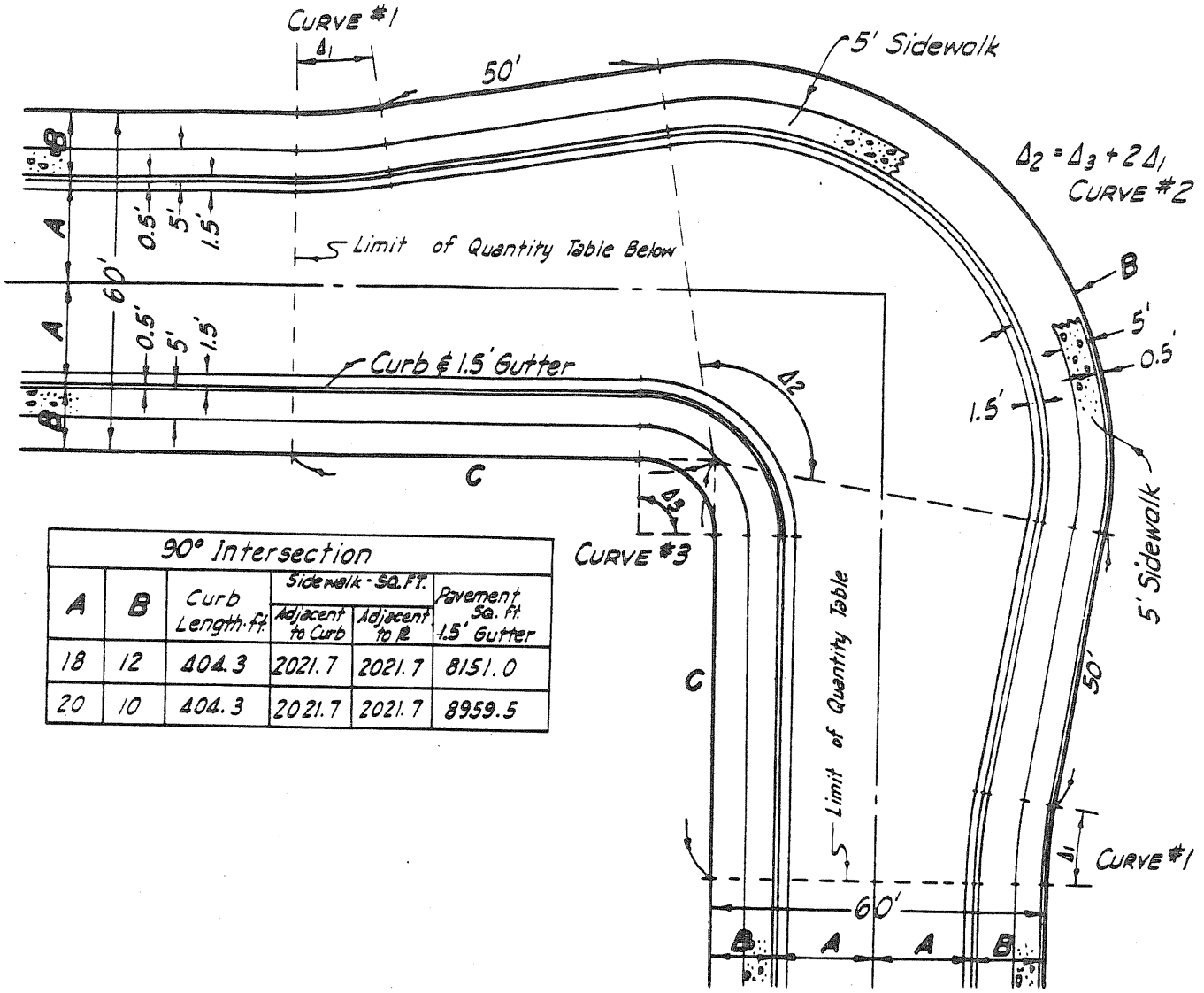
1. Sidewalk location shall be adjacent to the curb unless determined otherwise by the City Engineer.
2. All street widths shall be 60' unless otherwise approved.

CITY OF MONTCLAIR

OFFSET CUL-DE-SAC

DWN. BY	CKD. BY	APPROVED BY	DATE
G.E.R.	DG	Carl L. Sewell, CITY ENGINEER R.C.E. 20717	8-31-87

STD. NO. 110



90° Intersection					
A	B	Curb Length-ft.	Sidewalk - SQ. FT. Adjacent to Curb	Sidewalk - SQ. FT. Adjacent to ℞	Pavement Sq. ft. 1.5' Gutter
18	12	404.3	2021.7	2021.7	8151.0
20	10	404.3	2021.7	2021.7	8959.5

			CURVE #1							CURVE #2			CURVE #3		
A	B	C	Δ_1	Curb R	Curb L	Curb T	℞ R	℞ L	℞ T	Δ_2	Curb R	℞ R	Δ_3	Curb R	℞ R
18	12	74.83	9°09'36"	102	16.31	8.17	90	14.39	7.21	Var.	58	70	Var.	27	15
20	10	74.83	9°09'36"	100	15.99	8.01	90	14.39	7.21	Var.	60	70	Var.	25	15

Note:

1. Sidewalk location shall be adjacent to the curb unless determined otherwise by the City Engineer.

CITY OF MONTCLAIR

STANDARD KNUCKLE
"60' Right of Way"

DWN. BY	CKD. BY	APPROVED BY	DATE
G.E.R.	DG	[signature] CITY ENGINEER R.C.E. 20717	8-31-87

STD. NO. 111

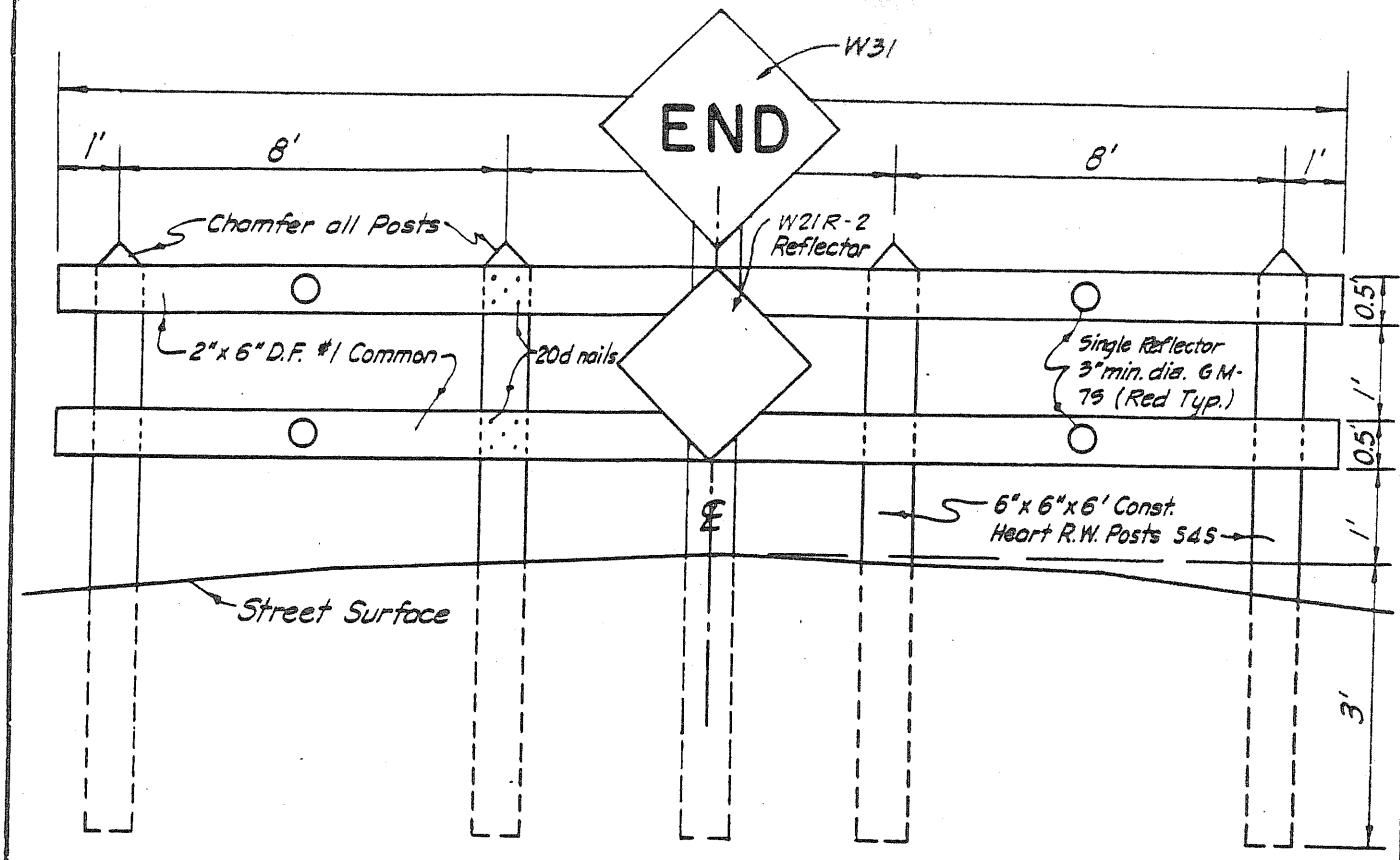


TABLE OF PANELS FOR VARIOUS ROADWAY WIDTHS

(8' sections shall be added or deleted to give the following widths:)

Width of Roadway	No. of 8' Sections	Total Length of Panels
20' alley	2	18'
36'	3	26'
40'	4	34'
44'	4	34'
64'	7	58'

Notes:

1. W21R-2 reflector is to be a 1.5' x 1.5' sign, and is to be bolted on the center of the barricade as shown.
2. Signs to be W31 & W21R-2 or approved equal.
3. All wood assembly is to be painted with one coat of primer and two coats of white exterior paint.

CITY OF MONTCLAIR

BARRICADE

DWN. BY	CKD. BY	APPROVED BY	DATE
G.E.R.		CITY ENGINEER R.C.E. 20717	8/31/87

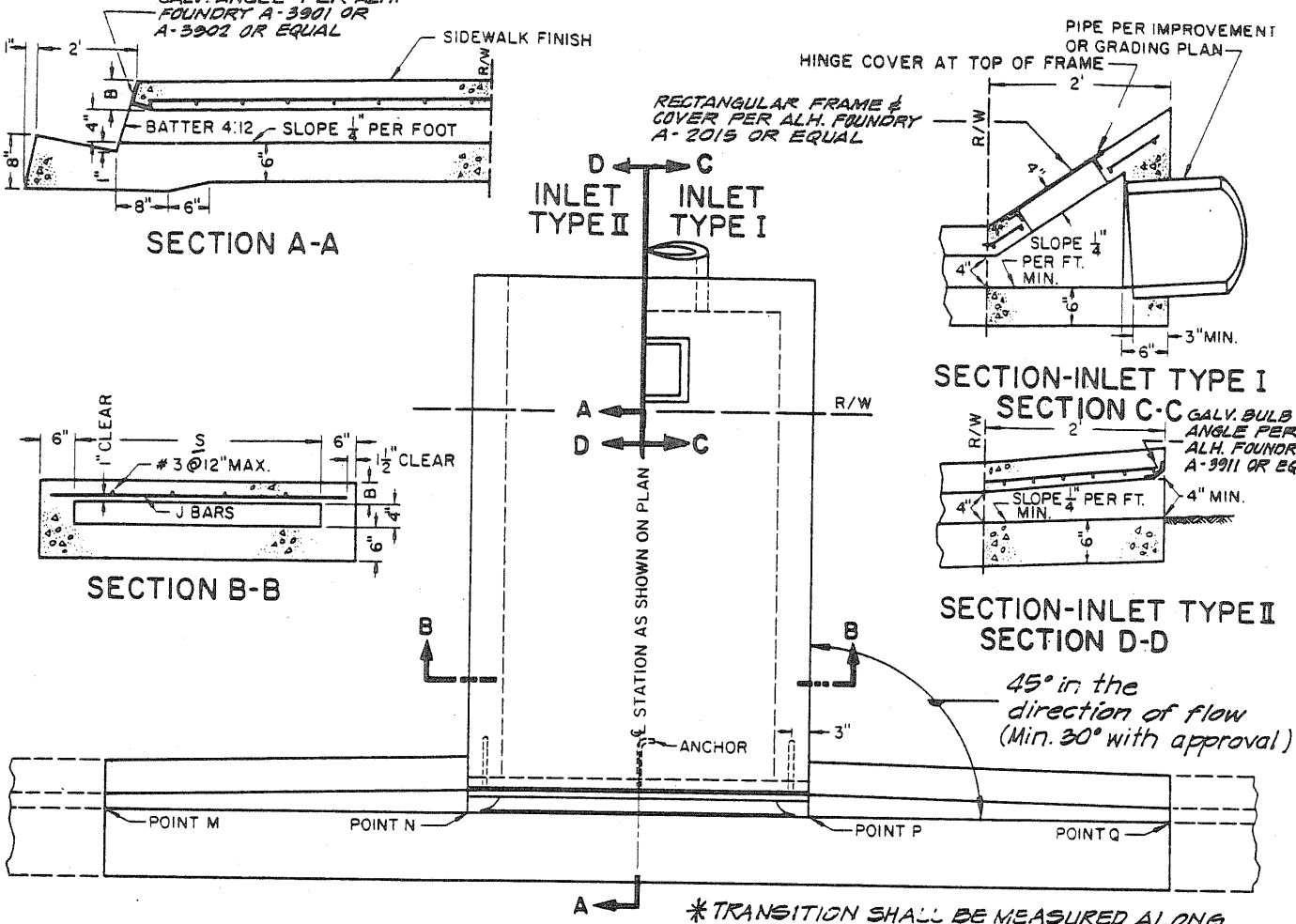
STD. NO. 113

SECTION A-A

SECTION-INLET TYPE I
SECTION C-C

SECTION B-B

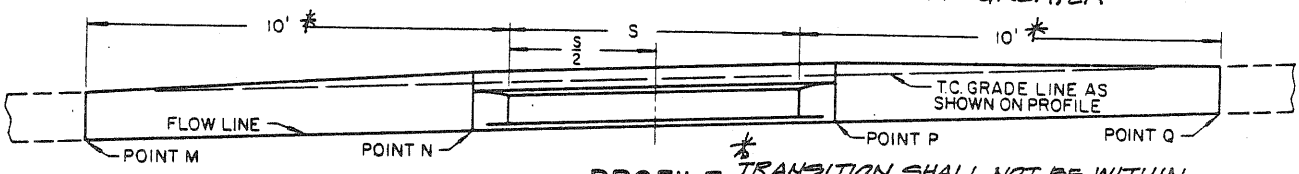
SECTION-INLET TYPE II
SECTION D-D



PLAN

* TRANSITION SHALL BE MEASURED ALONG BACK OF SIDEWALK

* TRANSITION IS NOT REQUIRED WHEN CURB FACE = 5" + B OR GREATER



PROFILE

* TRANSITION SHALL NOT BE WITHIN DRIVEWAY OR CURB RETURNS.

*** PIPE DRAIN THRU CURB**

CURB FACE	MAX. PIPE DIA.
6"	3"
8"	4"
10"	6"

* PIPE SHALL BE CAST IRON OR STEEL

STEEL LIST

S	B	GALVANIZED STEEL ANGLE	ANCHOR	J BAR SIZE	J BAR SPACING	J BAR LENGTH
1'-0"	3"	2 1/2" x 2" x 3/8"	2	#3	7"	1'-9"
1'-6"	"	"	"	"	"	2'-3"
2'-0"	"	"	"	"	"	2'-9"
2'-6"	"	"	"	"	"	3'-3"
3'-0"	"	"	3	"	"	3'-9"
3'-6"	"	"	"	"	6"	4'-3"
4'-0"	"	"	"	"	5"	4'-9"
4'-6"	4"	3 1/2" x 3" x 1/2"	"	"	6 1/2"	5'-3"
5'-0"	"	"	"	"	5"	5'-9"
5'-6"	"	"	"	"	4"	6'-3"
6'-0"	"	"	"	"	3 1/2"	6'-9"

NOTES:

1. FLOOR OF BOX TO BE TROWELED SMOOTH.
2. WHEN THE TOE OF SLOPE IS WITHIN THE R/W, INLET TYPE I BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH APPROACH (TYPE II) THE 2' EXTENSION IS NOT REQUIRED WHEN THE BACK OF WALK IS 2' OR MORE FROM THE R/W LINE.
4. TOP OF INLET STRUCTURE (TYPE I & II) TO BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICABLE.
5. A HEADED STEEL STUD 5/8" X 6 3/8" WITH HEAD D=1" ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q, B+5" AT POINT N AND P.
7. CLASS 560-C-3250 P.C.C. SHALL BE USED.

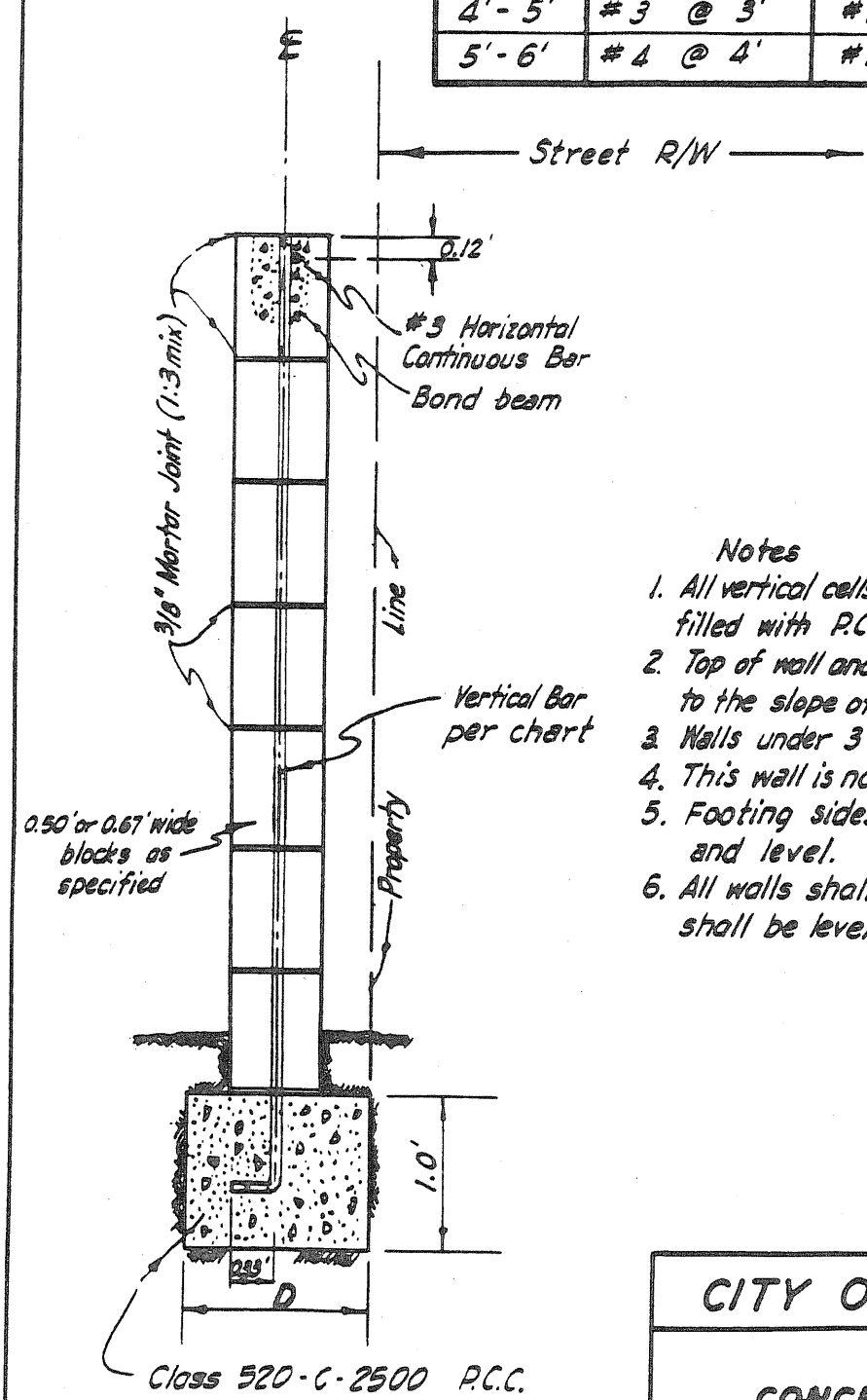
CITY OF MONTCLAIR

SIDEWALK DRAIN OUTLET AND PIPE DRAIN THRU CURB

DWN. BY	CHKD. BY	APPROVED BY	DATE
EH	DG	Paul L. Sandell, CITY ENGR. R.C.E. 20717	4/5/89

STD. NO. 114

WALL HEIGHT	VERTICAL BAR - SIZE & c/c		D FOOTING
	0.50' Block	0.67' Block	
3' - 4'	#3 @ 4.33'	#3 @ 6'	1.0'
4' - 5'	#3 @ 3'	#3 @ 4.33'	1.17'
5' - 6'	#4 @ 4'	#4 @ 5'	1.33'

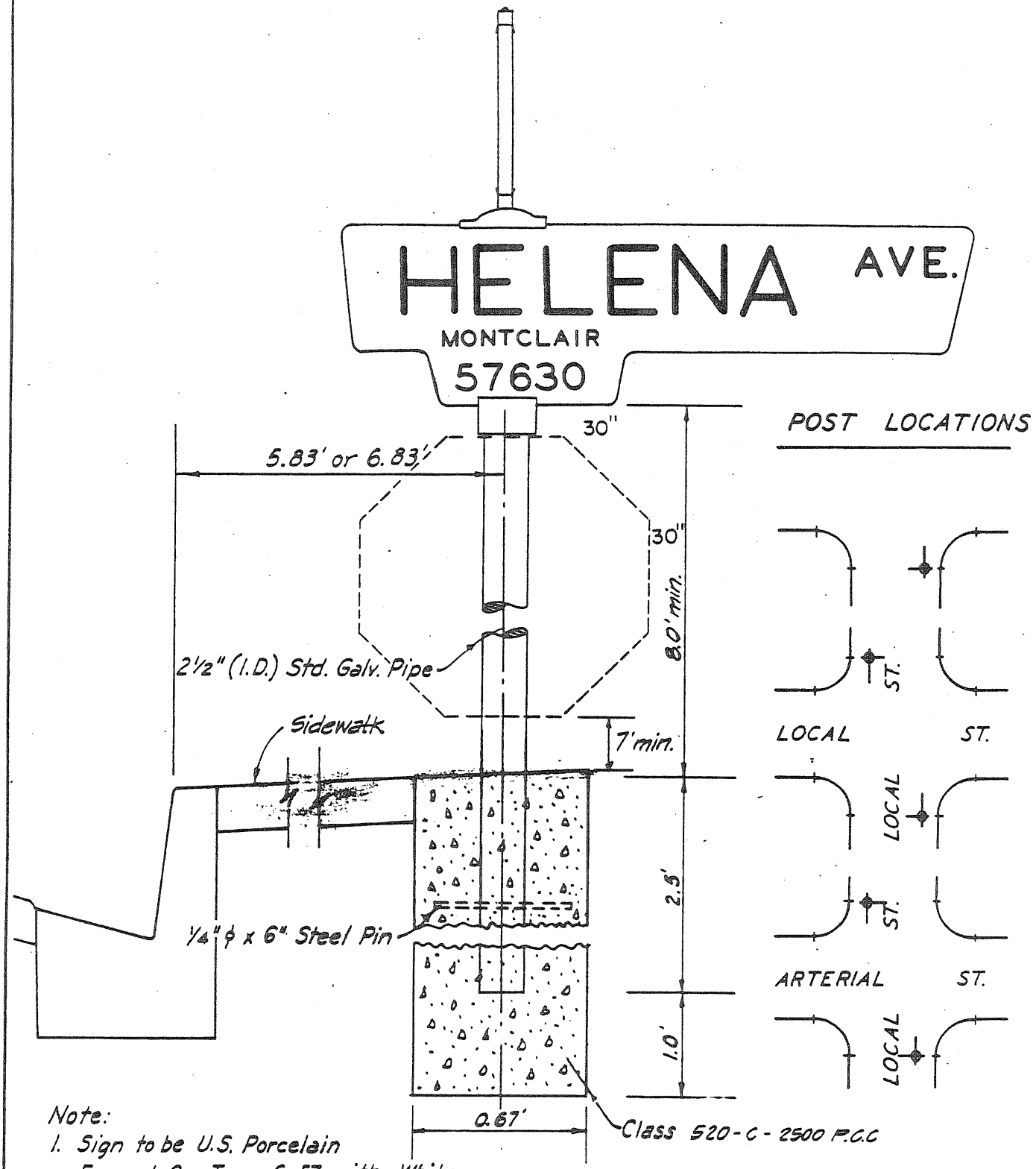


Notes

1. All vertical cells containing steel shall be filled with P.C.C.
2. Top of wall and footing shall be stepped to conform to the slope of ground.
3. Walls under 3' require no reinforcement.
4. This wall is not to be used as a retaining wall.
5. Footing sides and bottom must be straight and level.
6. All walls shall be plumb and all block courses shall be level.

CITY OF MONTCLAIR			
CONCRETE BLOCK WALL			
DWN BY G.E.R.	CKD. BY D.G.	APPROVED BY Carl L. Santell CITY ENGINEER R.C.E. 20717	DATE 8-31-87

STD. NO. 115

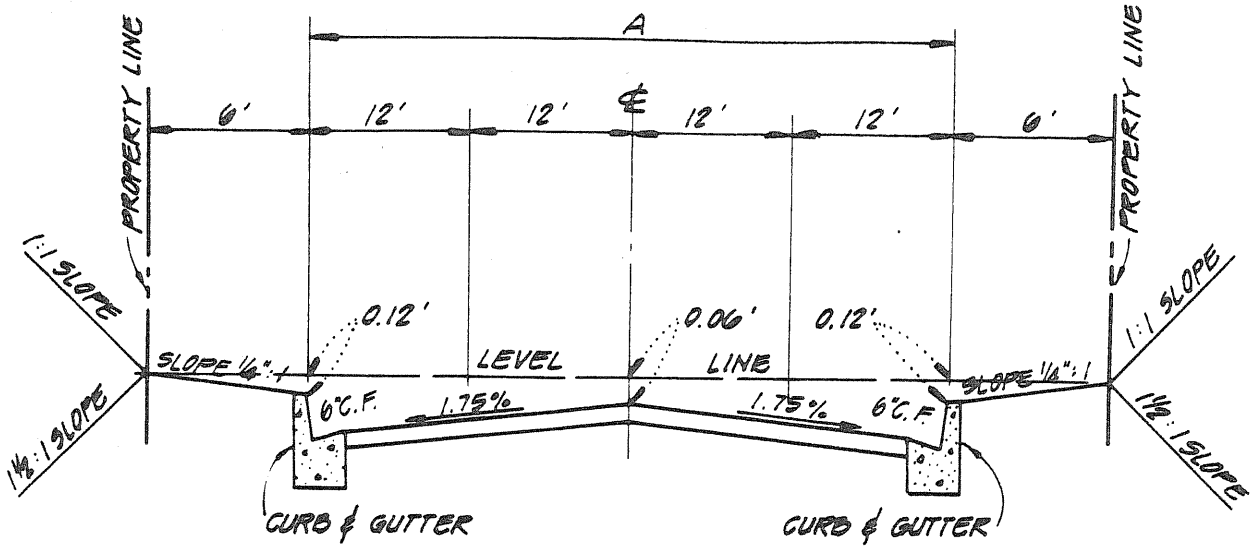


Note:

1. Sign to be U.S. Porcelain Enamel Co. Type G-57 with White letters on Green background.
2. When a stop sign is attached to the sign post there must be seven (7) feet of clearance between the bottom of the sign and the walking surface.

CITY OF MONTCLAIR			
STREET SIGN			
[redacted]	CHD. BY D.G.	APPROVED BY CITY ENGINEER R.C.E. 20717	DATE 8-31-87

STD. NO. 116

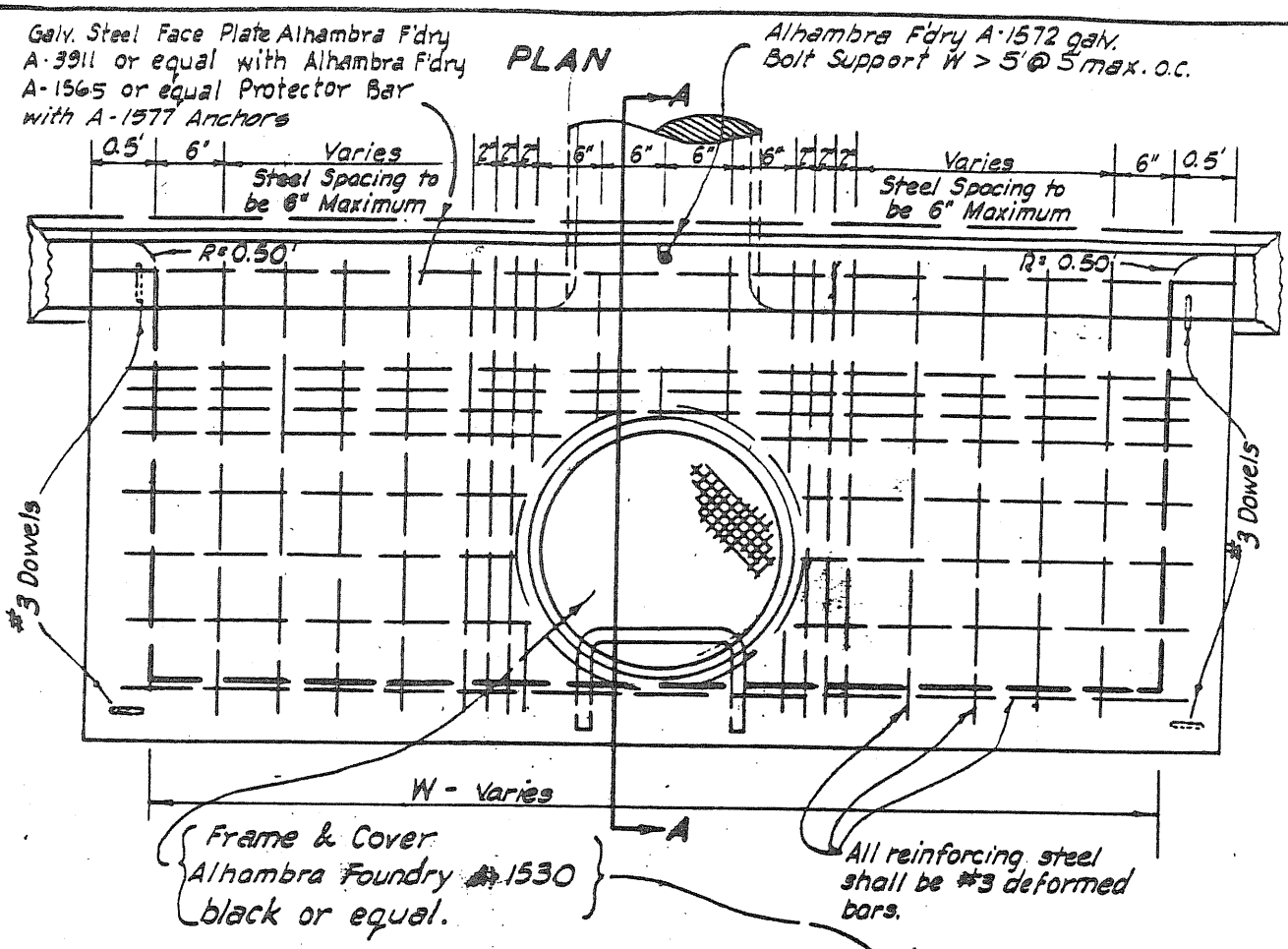


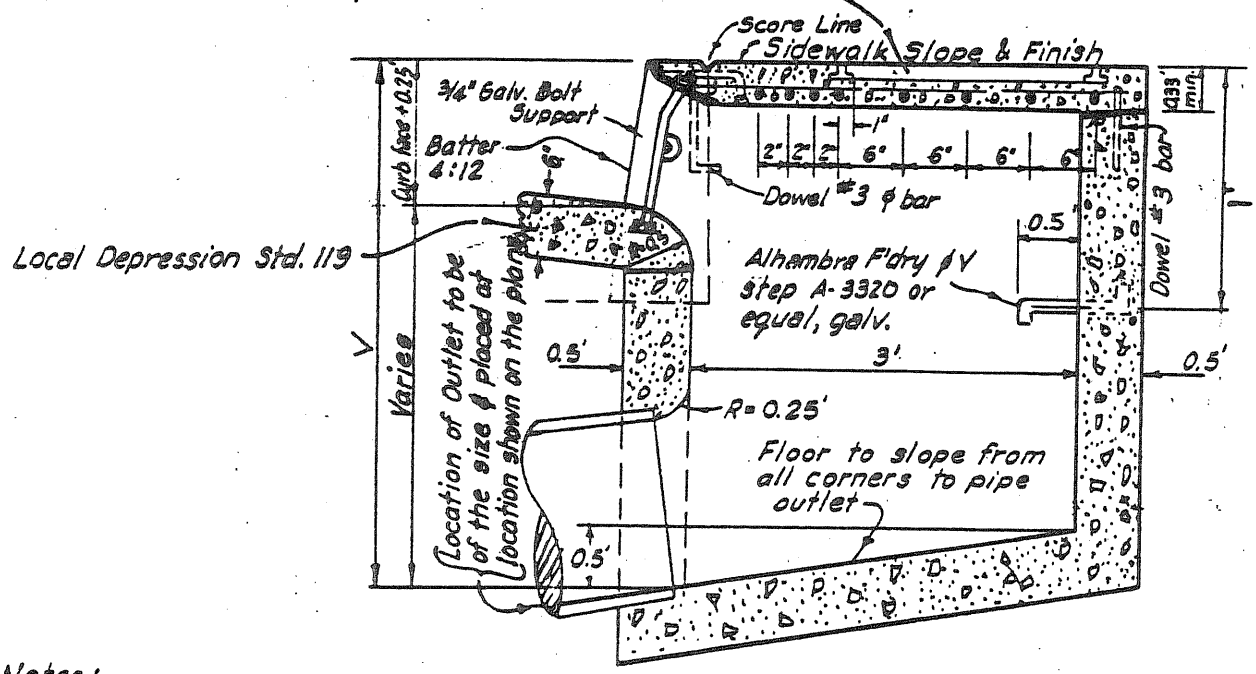
NOTES:

1. Cross Sections and Curb locations are to be determined by the City Engineer for all streets other than 60' R/W.
2. A = 36' or 40' used only when it is necessary to match existing conditions.
3. Sidewalk shall be adjacent to curb unless it is necessary to provide a parkway to match existing conditions, as determined by City Engineer.
4. Thickness of pavement and base shall be determined from soils test and so indicated on the plans. Minimum thickness shall be 5".

CITY OF MONTCLAIR			
INDUSTRIAL STREET CROSS SECTION			
DRWN. BY	CKD. BY	APPROVED BY	DATE
	D.G.	CITY ENGINEER R.C.E 20717	8-31-87

STD. NO. 117





SECTION A-A

Notes:

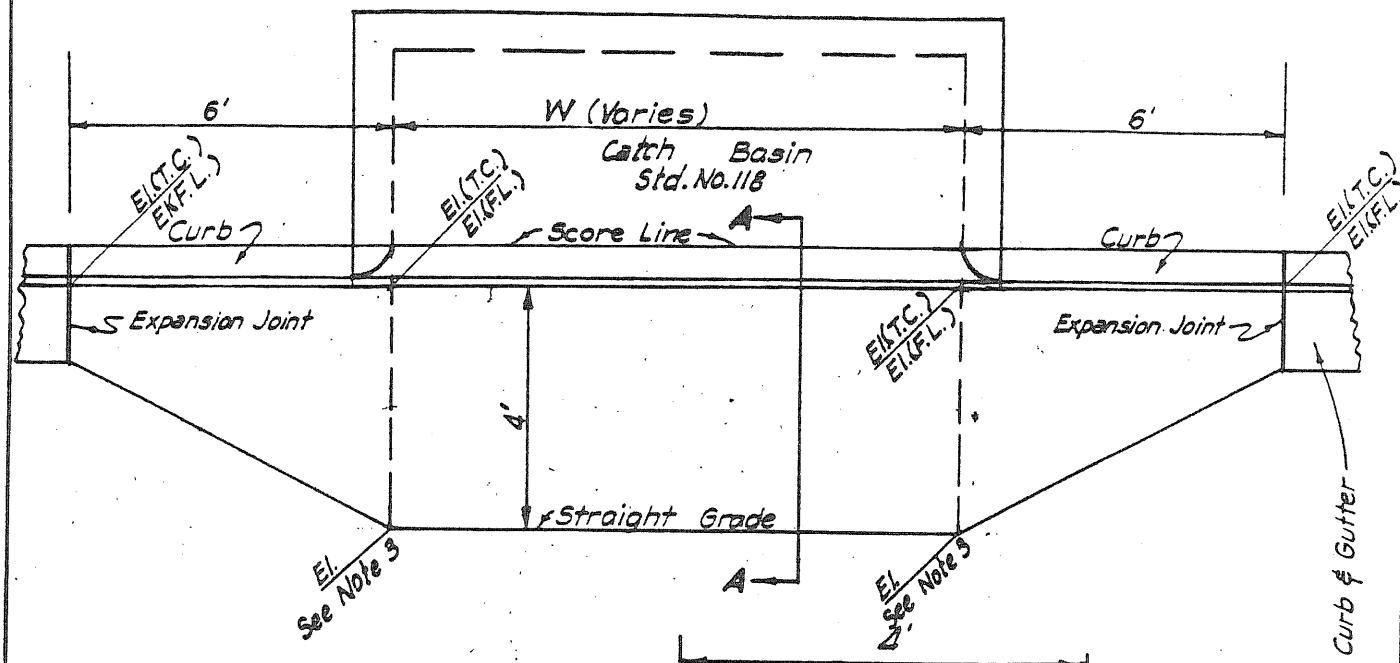
1. Addition steps required, when depth of basin is 3' or over, at 1.50' o.c. from 1' above floor.

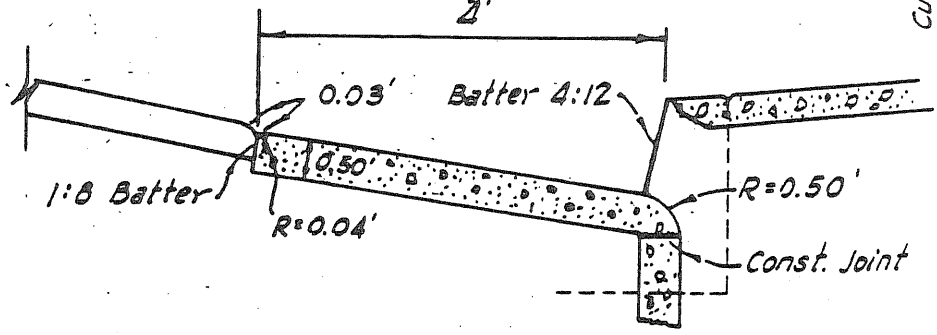
2. Class 500-C-3250 P.C.C. shall be used unless otherwise specified.

CITY OF MONTCLAIR		
CATCH BASIN		
DRWN BY G.E.R.	CKD. BY D.G.	DATE 8-31-87 CITY ENGINEER R.C.E. 20744

STD. NO. 118

PLAN





SECTION A-A

Notes:

1. Class ~~560-C-3250~~ P.C.C. shall be used unless otherwise specified.
2. All necessary control elevations be shown on the construction plans.
3. Toe of Local El's shall conform to Street section.

CITY OF MONTCLAIR			
LOCAL DEPRESSION TYPE I			
DRAWN BY	CKD. BY	APPROVED BY	DATE
[illegible]	D.G.	[signature] CITY ENGINEER R.C.E. 20717	8-31-87

STD. NO. 119