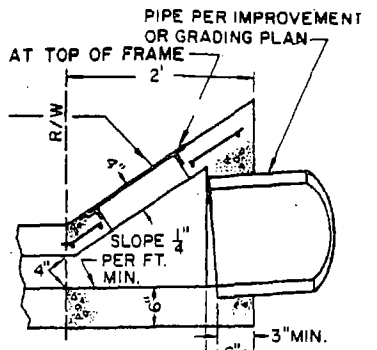
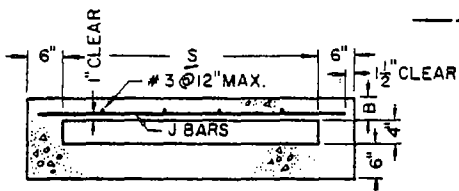


SECTION A-A

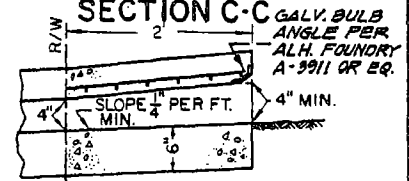
RECTANGULAR FRAME & COVER PER ALH. FOUNDRY A-2015 OR EQUAL



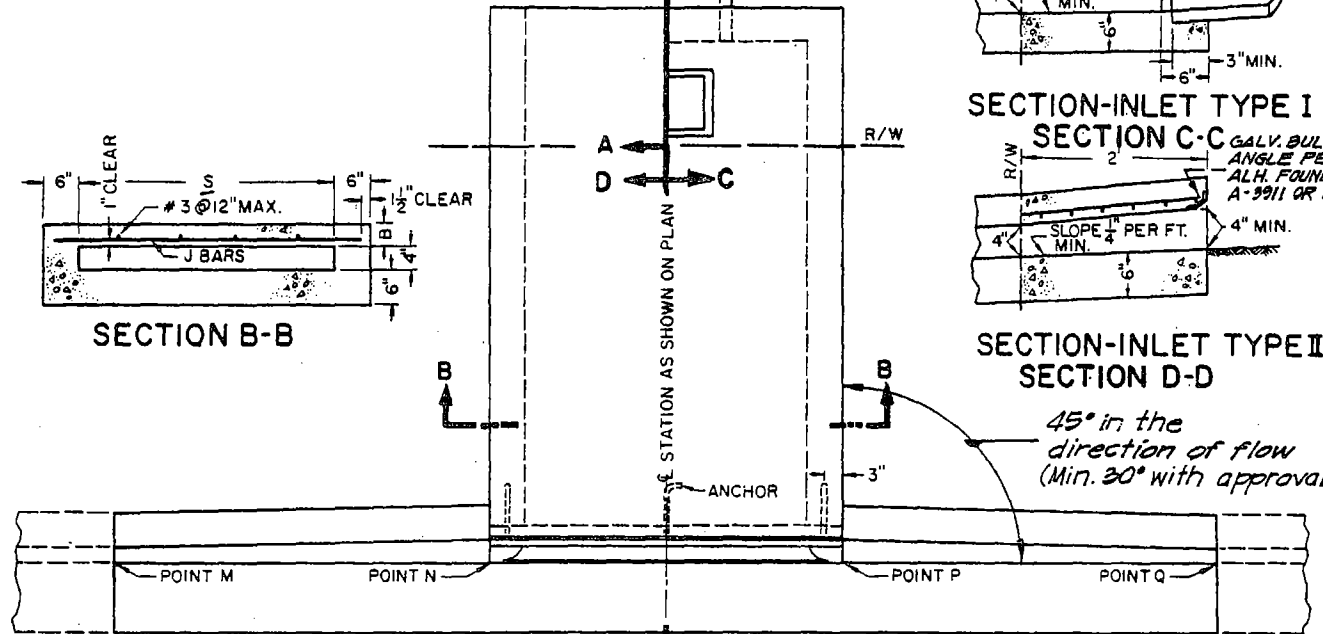
SECTION-INLET TYPE I



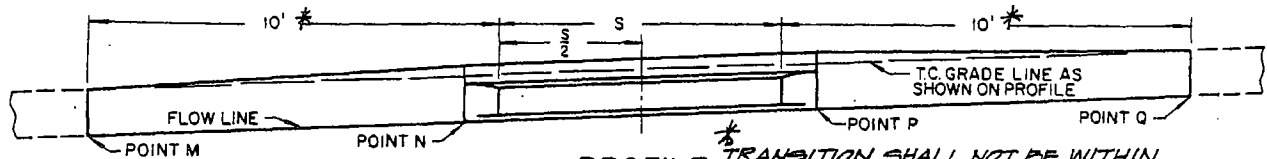
SECTION B-B



SECTION-INLET TYPE II SECTION D-D



* TRANSITION SHALL BE MEASURED ALONG BACK OF SIDEWALK PLAN
 * 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

NOTES:

- FLOOR OF BOX TO BE TROWELED SMOOTH.
- WHEN THE TOE OF SLOPE IS WITHIN THE R/W, INLET TYPE I BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
- 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.
- TOP OF INLET STRUCTURE (TYPE I & II) TO BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICABLE.
- A HEADED STEEL STUD $\frac{5}{8}$ " X $6\frac{3}{8}$ " WITH HEAD D=1" ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
- NORMAL CURB FACE AT POINT M AND Q, B+5" AT POINT N AND P.
- CLASS 560-C-3250 R.C.C. SHALL BE USED.

STEEL LIST

S	B	GALVANIZED STEEL ANGLE	ANCHOR	J BAR		
				SIZE	SPACING	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"

CITY OF MONTCLAIR

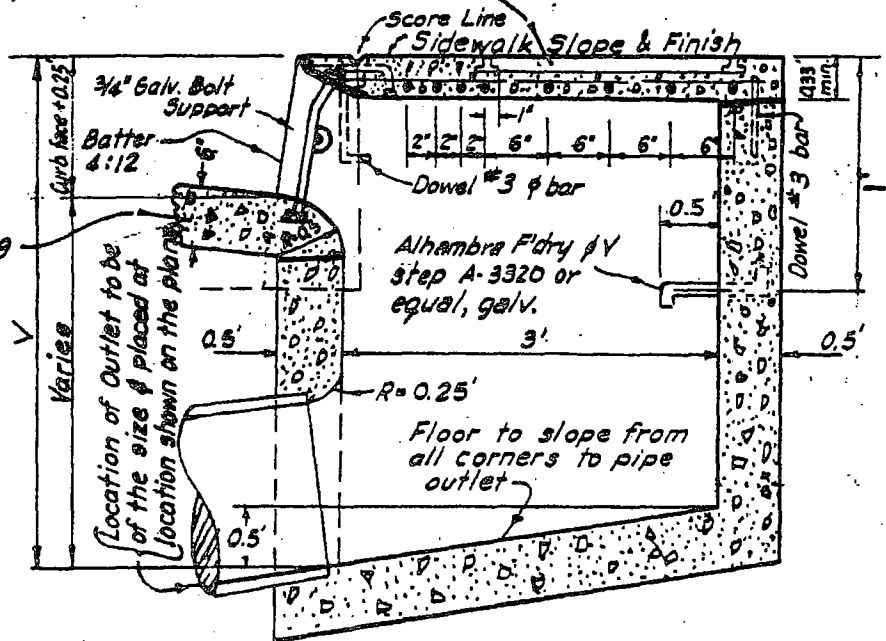
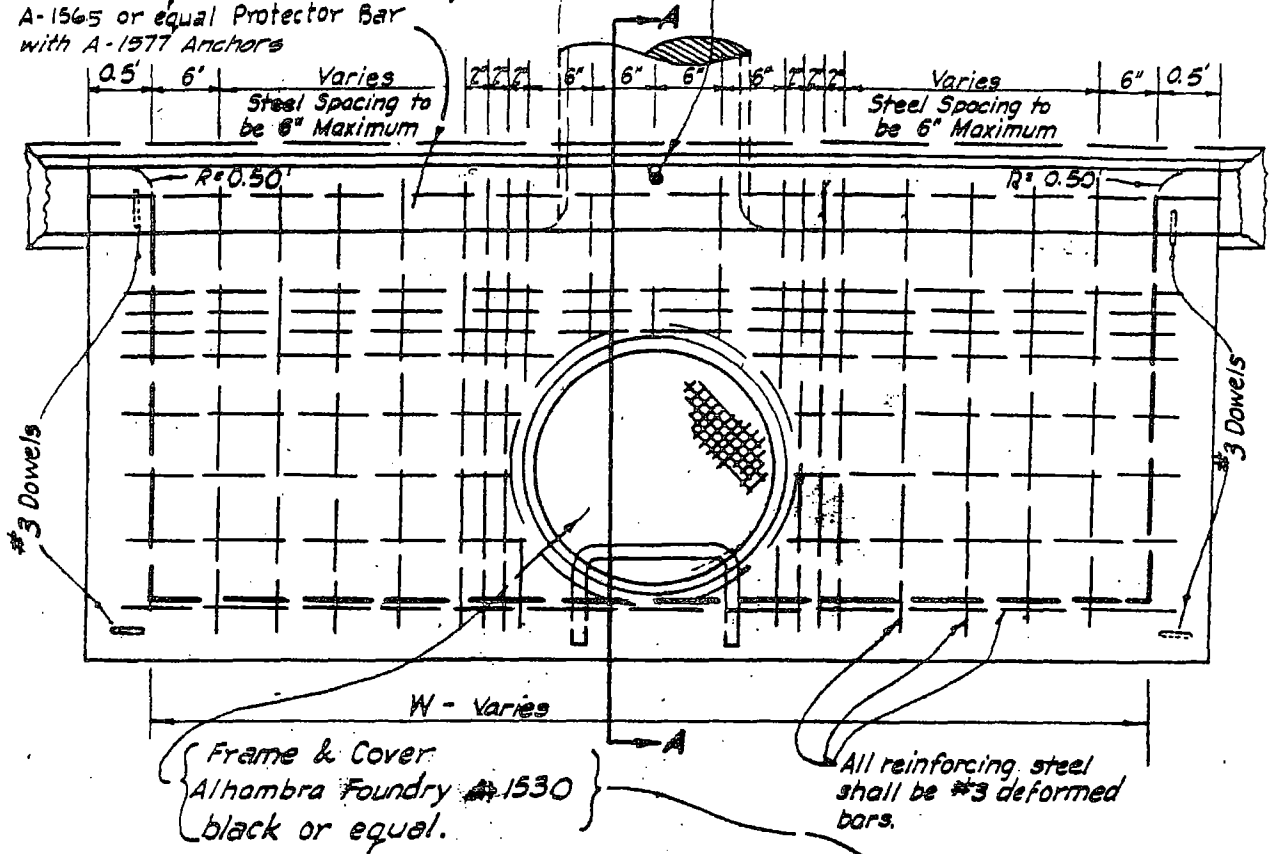
SIDEWALK DRAIN OUTLET AND PIPE DRAIN THRU CURB

DWN. BY <i>EH</i>	CHKD. BY <i>DG</i>	APPROVED BY <i>Paul J. Santell</i> CITY ENGR. R.C.E. 2017	DATE 4/5/09
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Galv. Steel Face Plate Alhambra Fdry
A-3911 or equal with Alhambra Fdry
A-1565 or equal Protector Bar
with A-1577 Anchors

PLAN

Alhambra Fdry A-1572 galv.
Bolt Support W > 5' @ 5' max. o.c.



Local Depression Std. 119

- 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 R.C.C. shall be used unless otherwise specified.

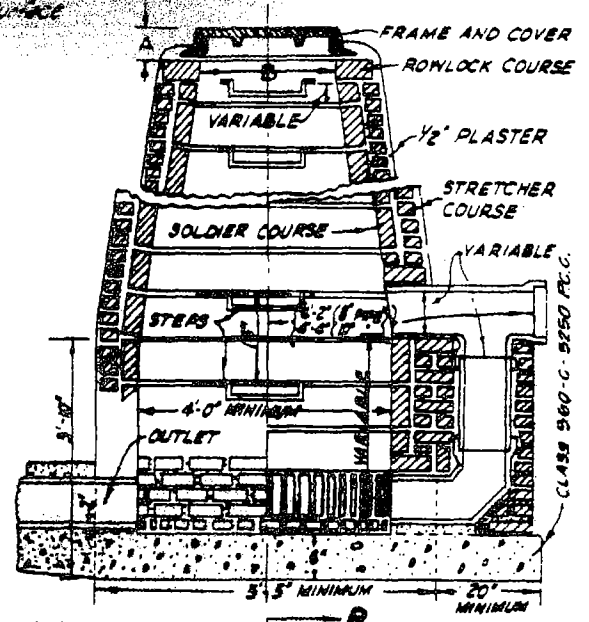
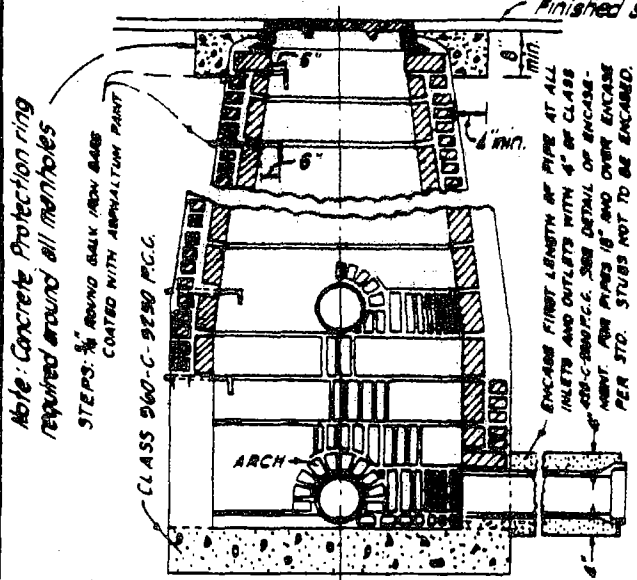
SECTION A-A

CITY OF MONTECLAIR		
CATCH BASIN		
DRAWN BY G.E.R.	CKD BY D.G.	DATE 8-31-87 CITY ENGINEER: R.C.E. 20715

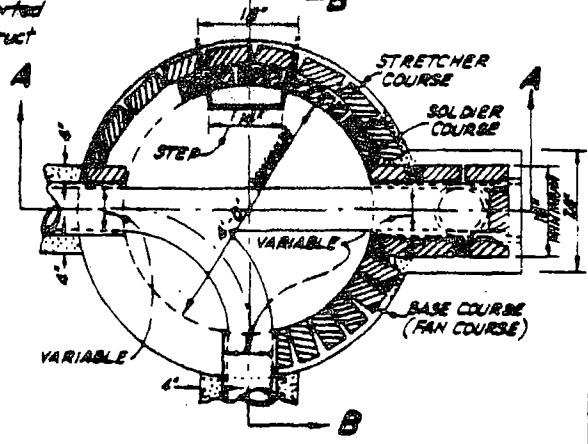
STD. NO. 118

SECTIONAL ELEVATION B-B

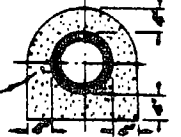
SECTIONAL ELEVATION A-A



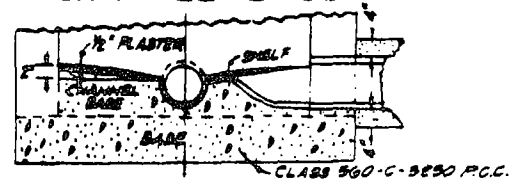
- NOTES:**
- 1. CONCRETE BASE:** During construction, all pipes shall be rigidly supported by brick piers one foot deep, located just outside the structure. Construct top of concrete base two inches below invert of lowest pipe. Fill space beneath pipe with mortar and shove from both sides with base course brick to form a water tight joint.
 - 2. BASE OR FAN COURSE:** Lay brick flat on radial lines with tops to same level.
 - 3. ARCHES:** Lay spalled brick on edge to form a true radial arch with full mortar joint around all pipe openings. Turn arch of two such courses over pipes 15" or more in diameter.
 - 4. SOLDIER COURSES:** Lay inside brick on radial lines with first four courses vertical. Lay succeeding courses with a uniform batter to obtain an inside diameter of "B" at top of last or fractional soldier course. Use split brick to close soldier courses.
 - 5. STRETCHER COURSES:** Lay outside brick flat in a deep bed of mortar. Shove brick hard together against adjacent soldier course.
 - 6. ROWLOCK COURSE:** Lay last course of brick on edge across soldier and stretcher courses, on radial lines, with tops parallel and "A" inches below finished grade. See Schedule.
 - 7. STEPS:** Set lower step on top of third soldier course and notch brick above. Place upper step immediately below rowlock course and project three inches. If upper invert of Dropmanhole is more than four feet above shaft. Set one step on each side of structure at right angles to and not more than four feet below the above inlet.
 - 8. JOINTS:** Inside joints shall be neatly struck and pointed and shall not exceed 3/8 inch in thickness.
 - 9. CHANNEL BASE:** The depth of channel in channel base shall be 2/3 of pipe diameter for pipes 15" or less, and shall equal the pipe diameter for pipes 18" or larger. For special channels in trap or gauging manholes see special plans.
 - 10. PRECAST CONC. MANHOLES:** Use class 560-C-3250 P.C.C. encasement around drop inlet pipe instead of brickwork for all precast conc drop manholes.



SECTIONAL PLAN OF BASE



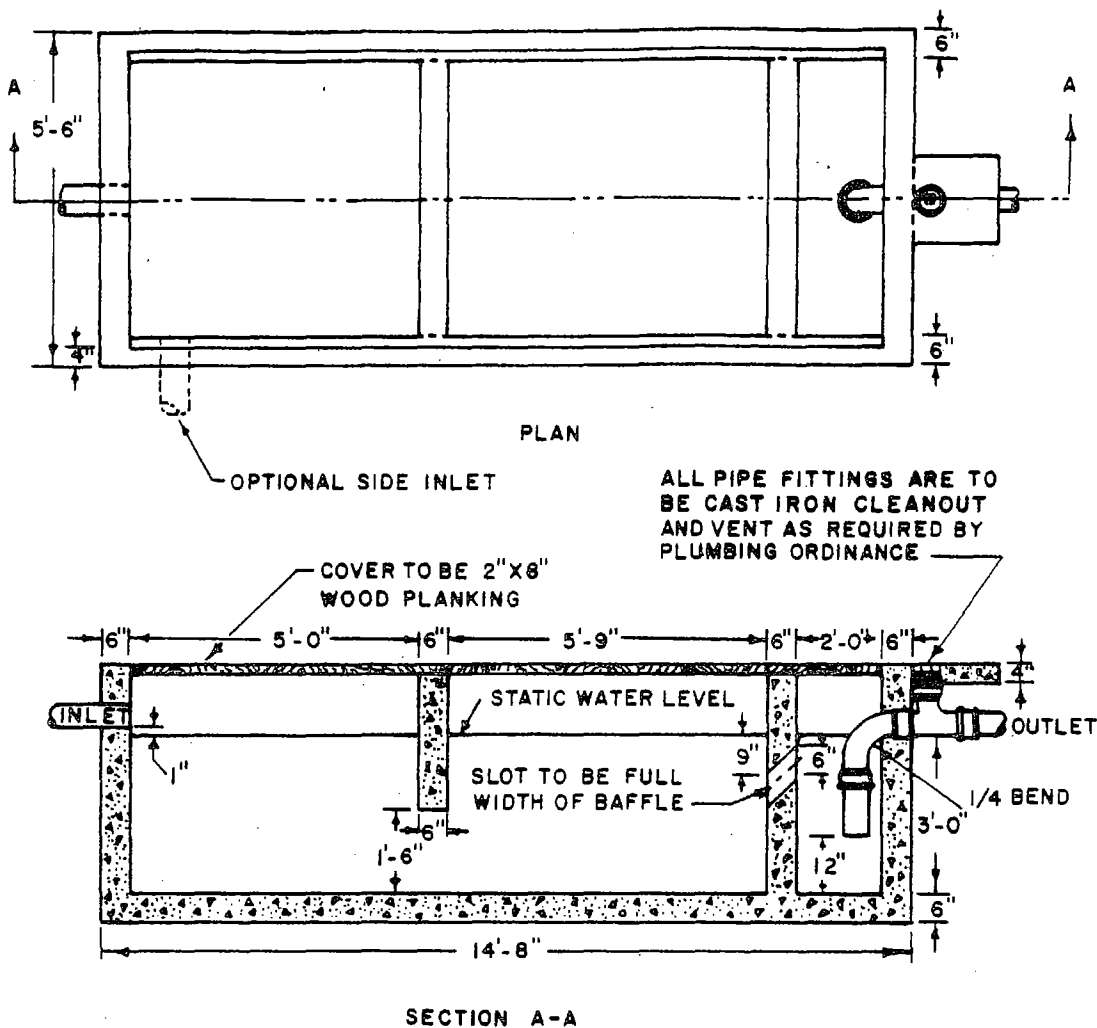
SECTIONAL ELEVATION B-B CHANNEL BASE



CITY OF MONTCLAIR

STANDARD PLAN DROP MANHOLE

DRAWN BY <u>GER</u>	CRD. BY <u>D.G.</u>	APPROVED BY <u>Carl Santell</u>	DATE <u>8-31-87</u>
CITY ENGINEER R.C.E. 20717			



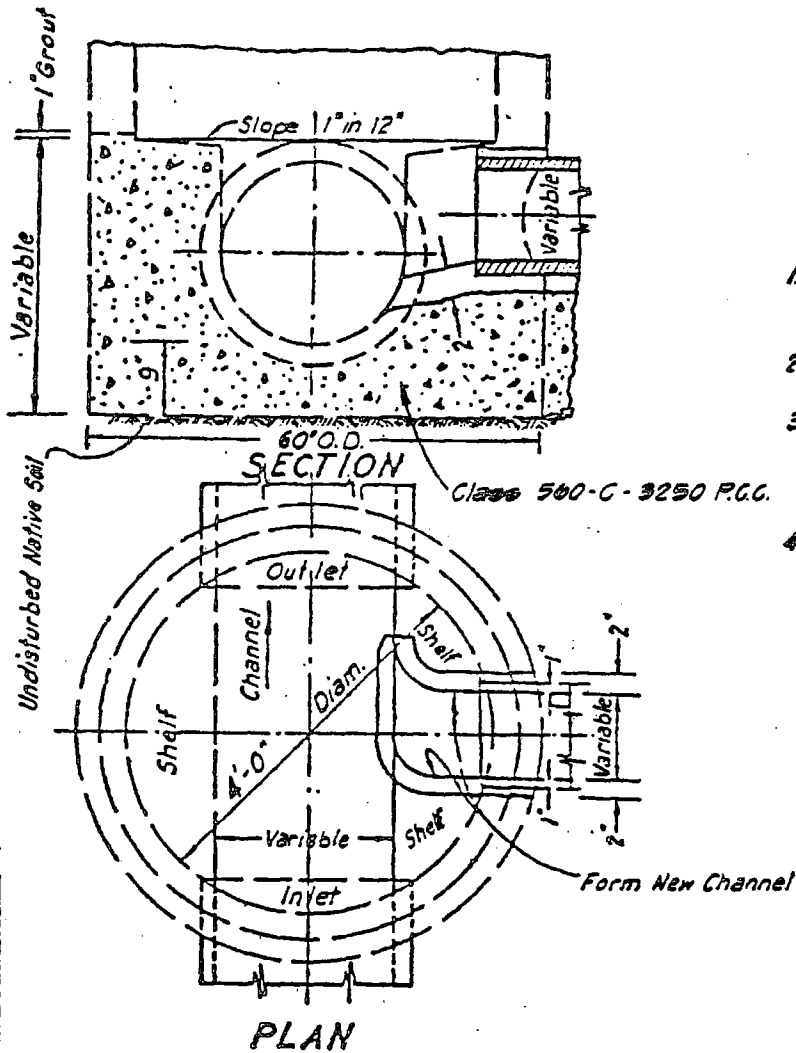
NOTES:

THE APPROVAL OF THE CITY ENGINEER MUST BE OBTAINED BEFORE INSTALLATION. THE INTERCEPTOR IS TO BE CONSTRUCTED OF CLASS B PORTLAND CEMENT CONCRETE. INTERCEPTORS EXCEEDING 6'-6" IN DEPTH MUST BE CONSTRUCTED OF REINFORCED CONCRETE.

IF INSTALLED INSIDE OF BUILDING THE TOP OF INTERCEPTOR MAY BE LEVEL WITH FLOOR PROVIDED THAT WASTES ENTER THROUGH THE INLET PIPE ONLY. ALL SURFACE WATER MUST DRAIN AWAY FROM THE INTERCEPTOR TO EXCLUDE RAIN WATER FROM THE PUBLIC SEWERS.

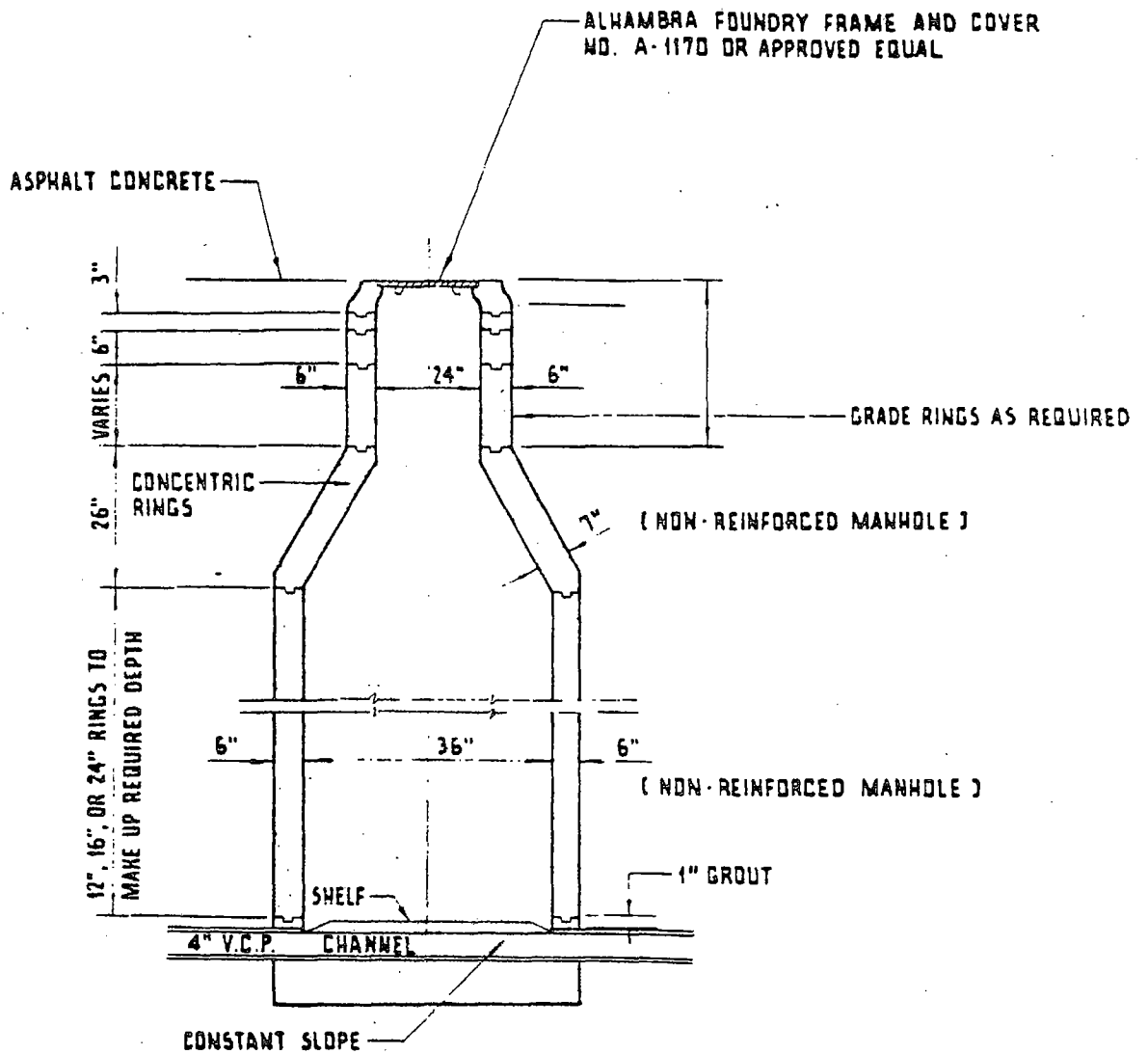
CITY OF MONTCLAIR			
SAND INTERCEPTOR			
DWG. BY <i>M.A.</i>	CKD. BY <i>D.G.</i>	APPROVED BY <i>Carl L. Santell</i>	DATE <i>8-31-87</i>
CITY ENG. R.C.E 20717			

STD. NO. 212



- NOTES:**
1. Break through existing manhole wall and open circular hole to provide 1" clear around pipe inlet to be installed.
 2. Break out channel to 2" below proposed flowline.
 3. Paint existing exposed concrete surfaces with epoxy resin bond as recommended by the manufacturer and to satisfaction of the City Engineer.
 4. Seal pipe stub and form new channel with concrete mortar and epoxy resin mixed as directed by the City Engineer.

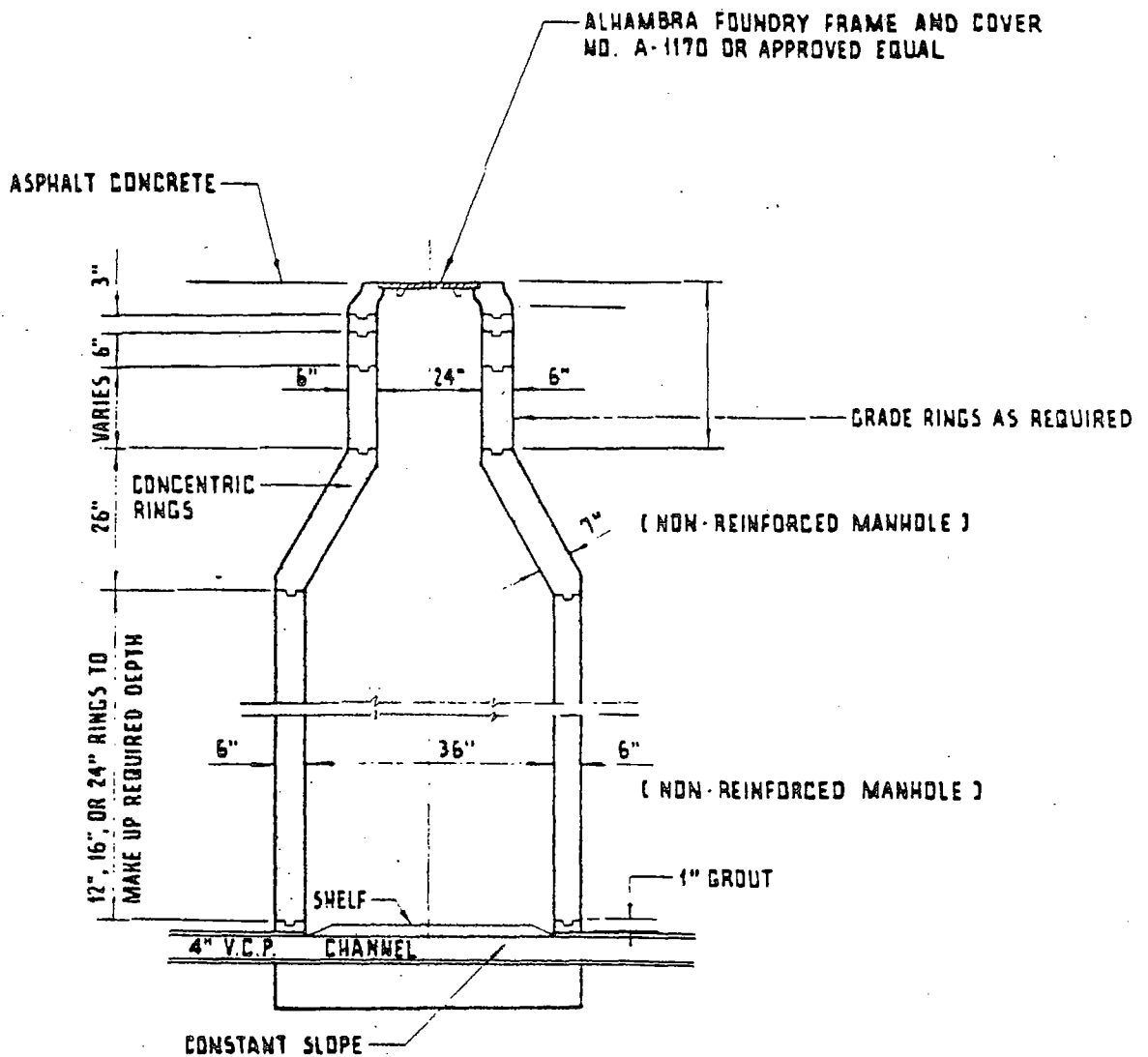
CITY OF MONTCLAIR			
BREAK INTO AND RECHANNEL EXISTING MANHOLE			
DWN. BY	CKD BY	APPROVED	DATE
G.E.R.	E.S.F.	<i>Paul Stewart</i> CITY ENGINEER	8-31-07



NOTES:

1. REINFORCED PRE-CAST MANHOLES SHALL BEAR ASTM C-478 SPECIFICATIONS.
2. NON-REINFORCED PRE-CAST MANHOLES SHALL BE CLASS 5600-3250 PER SECTION 201 55 P.W.C.
3. THE DEPTH OF THE CHANNEL SHALL BE THE FULL DIAMETER OF THE PIPE.

CITY OF MONTCLAIR			
INSPECTION AND METERING MANHOLE			
DWN. BY D.G.	CKD. BY	APPROVED BY <i>Carl H. ...</i>	DATE 8/21/87
CITY ENGR. R.C.E. 20717			



NOTES:

1. REINFORCED PRE-CAST MANHOLES SHALL BEAR ASTM C-478 SPECIFICATIONS.
2. NON-REINFORCED PRE-CAST MANHOLES SHALL BE CLASS 5600-3250 PER SECTION 201 55 PWC.
3. THE DEPTH OF THE CHANNEL SHALL BE THE FULL DIAMETER OF THE PIPE.

CITY OF MONTCLAIR			
INSPECTION AND METERING MANHOLE			
DWN. BY D.G.	CKD. BY	APPROVED BY <i>Carl A. ...</i>	DATE 8/21/87
CITY ENGR. R.C.E. 20717			