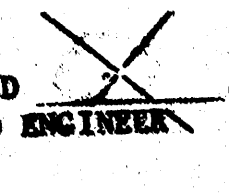
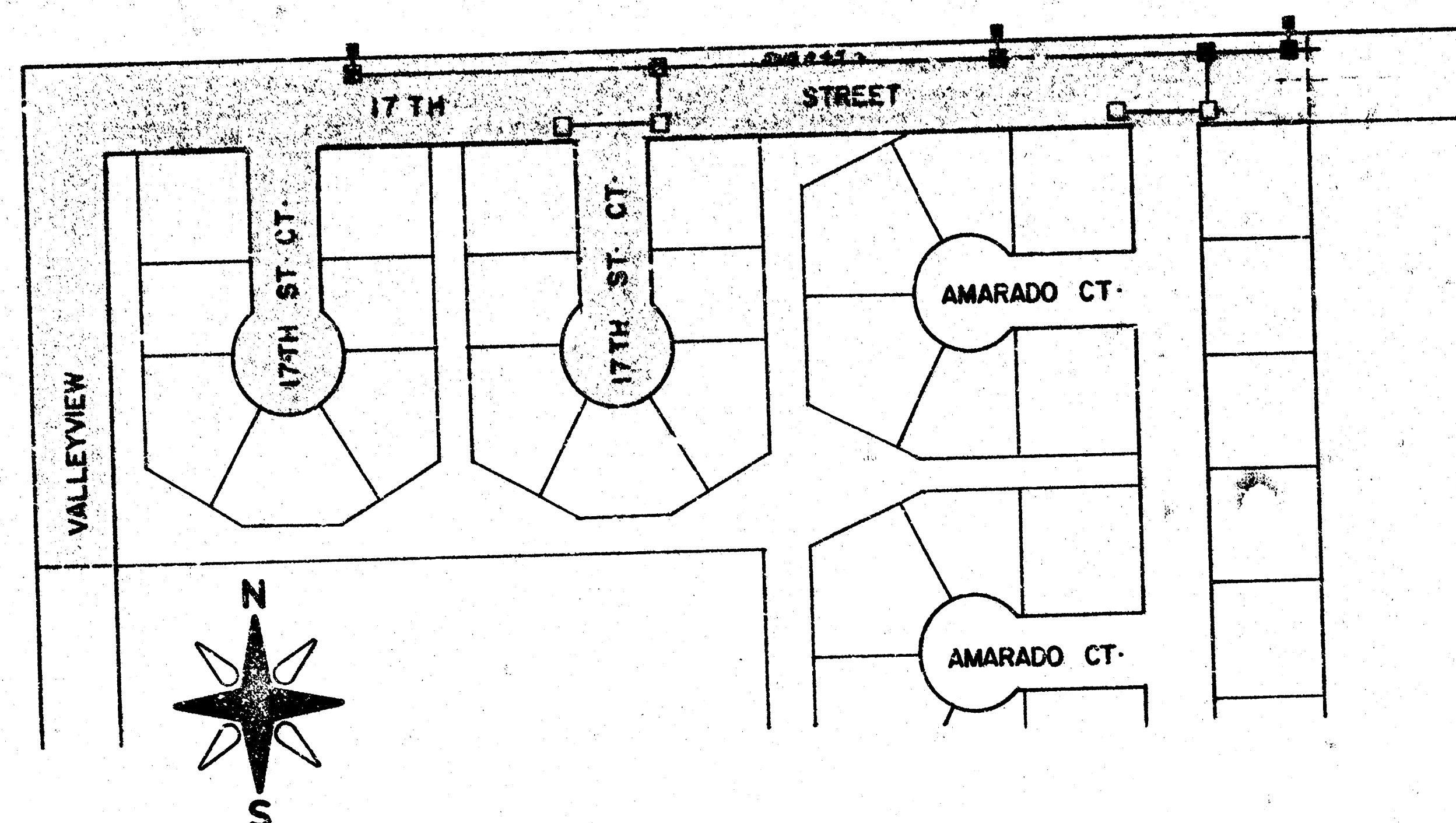


Pavement & Drainage In 17TH STREET VALLEYVIEW 17TH ST. COURTS (21 - 34)

GENERAL NOTES

1. TREES AND HEDGE ROW TO BE REMOVED ARE MARKED  ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED SHALL BE SAVED.
2. FENCE REMOVAL  NO MORE THAN 17' - 20' DRIVEWAY APPROACHES OR THE EQUIVALENT TO BE CONSTRUCTED.
3. CONTRACTOR SHALL COORDINATE WORK WITH DRAINAGE AND SANITARY SEWER CONTRACTORS AND CONTACT DELIVERY UTILITY COMPANIES AND OTHER AGENCIES PRIOR TO 17TH THIS PROJECT.
4. CONTRACTOR SHALL HAVE THE OPTION OF INITIAL PRE-COST TYPE 1-A CURB INLET IN LINE OF BLACK TOP CONSTRUCTION. SEE STANDARD DETAIL PRE-COST TYPE 1-A-1 DATED AUGUST, 1979.
5. FIELD ENGINEER SHALL CROSS-SECTION  TYPE 1-A CURB INLET CONSTRUCTION IF EXISTING GROUND APPROX 20 FEET FROM DISTURBED.



VALLEYVIEW, FROM N.E. OF AMARADO ESTATES 2ND ADDITION TO S.E. OF 17TH STREET.
17TH STREET, FROM N.E. OF VALLEYVIEW TO THE E.L. OF LOT 40, BLK. 4, AMARADO ESTATES ADDITION.
17TH STREET COURT, (LOTS 28 THRU 34, BLK. 5) FROM S.E. 17TH STREET TO AND INCLUDING CUL-DE-SAC.
17TH STREET COURT, (LOTS 21 THRU 27, BLK. 5) FROM S.E. 17TH STREET TO AND INCLUDING CUL-DE-SAC.

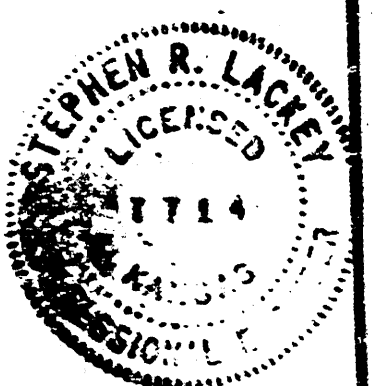
INDEX

TITLE SHEET	1
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VALLEYVIEW	5
17TH STREET	6-7
17TH STREET COURTS	8
CROSS SECTION	9-13
CURB INLET TYPICAL	14

City of Wichita, KS.

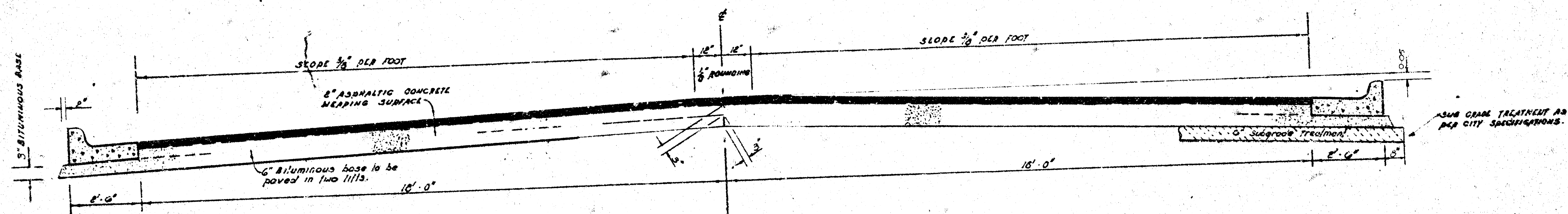
R. W. Bruggeman Director Of Engineering / City Engineer

Proj. NO. 472-76-245-80834-000-000-001



1/4

1/4

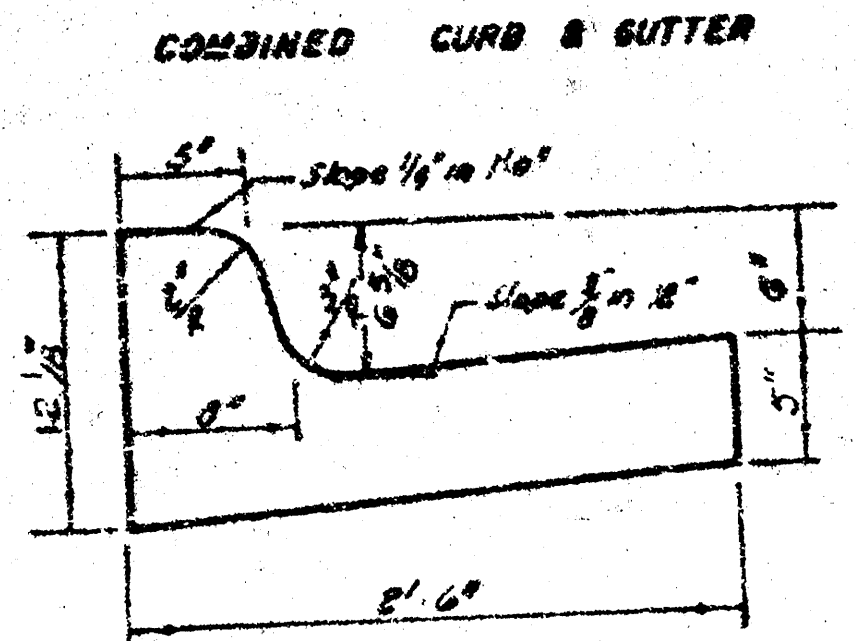


The A.C. pavement between the curb & gutter shall be paid as 15 sq yds 8" A.C. pavement (6" bituminous base). The bituminous base under the curb & gutter shall be paid as 30 yds 3" bituminous base.

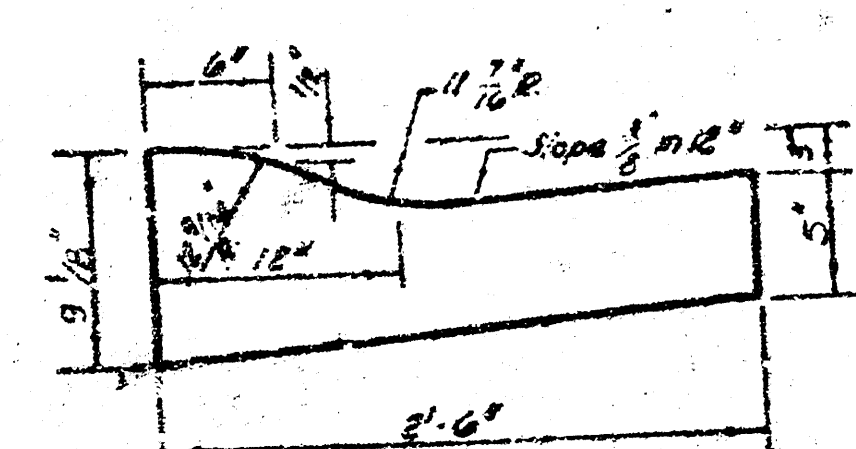
TYPICAL SECTION

41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

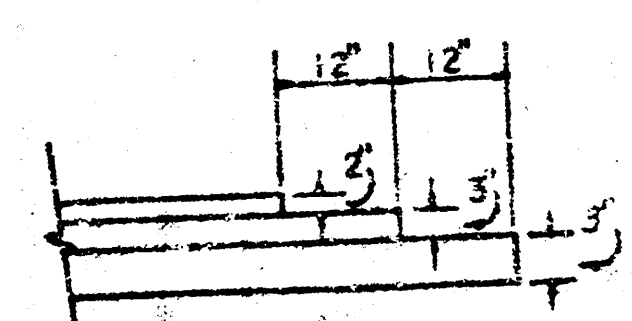
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 15' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.



ROLL TYPE CURB & GUTTER



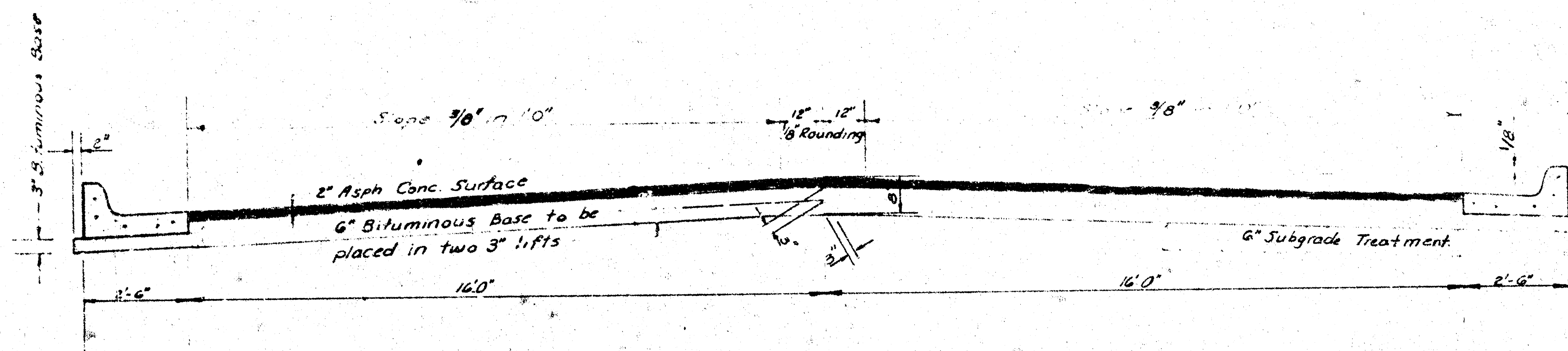
DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA, KANSAS

2/11 2/14



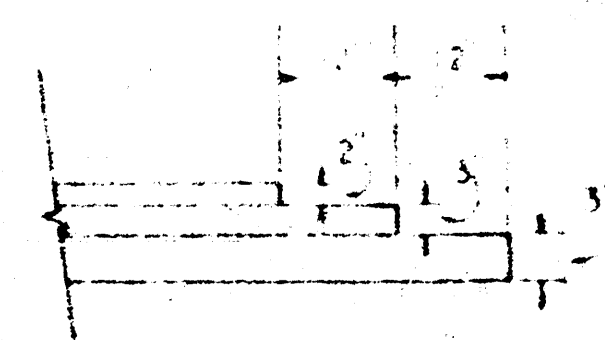
TYPICAL SECTION

37' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

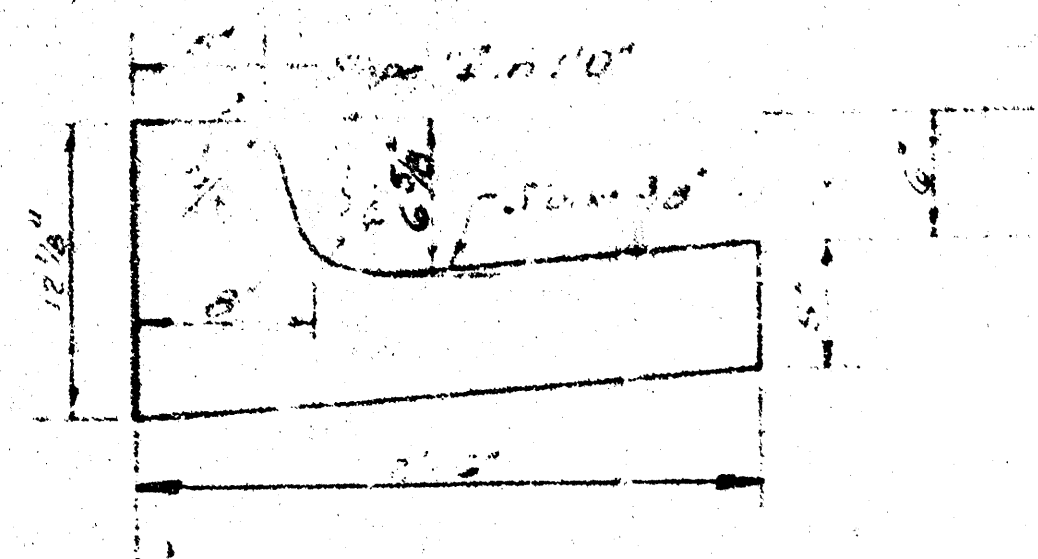
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS

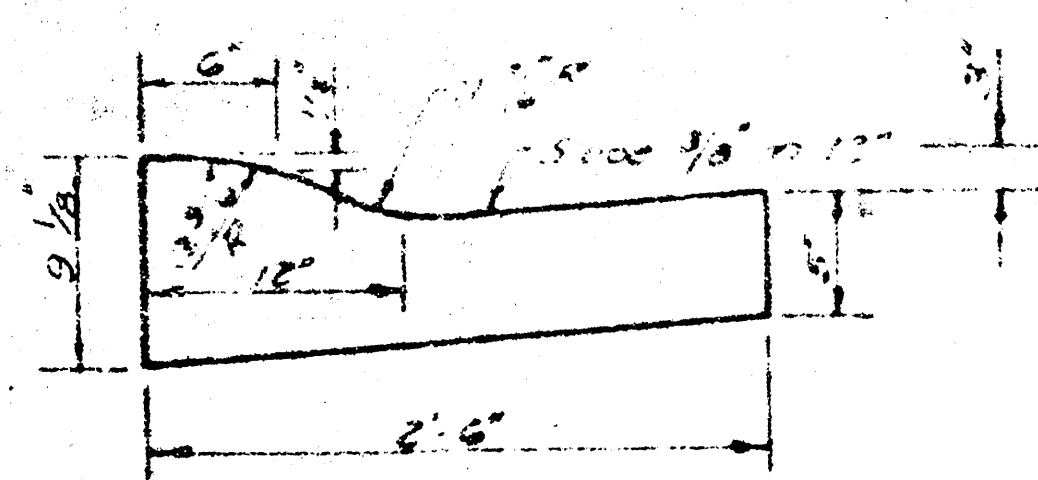


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE B.D. PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CONTINUED CURB & GUTTER



ROLL TYPE CURB & GUTTER



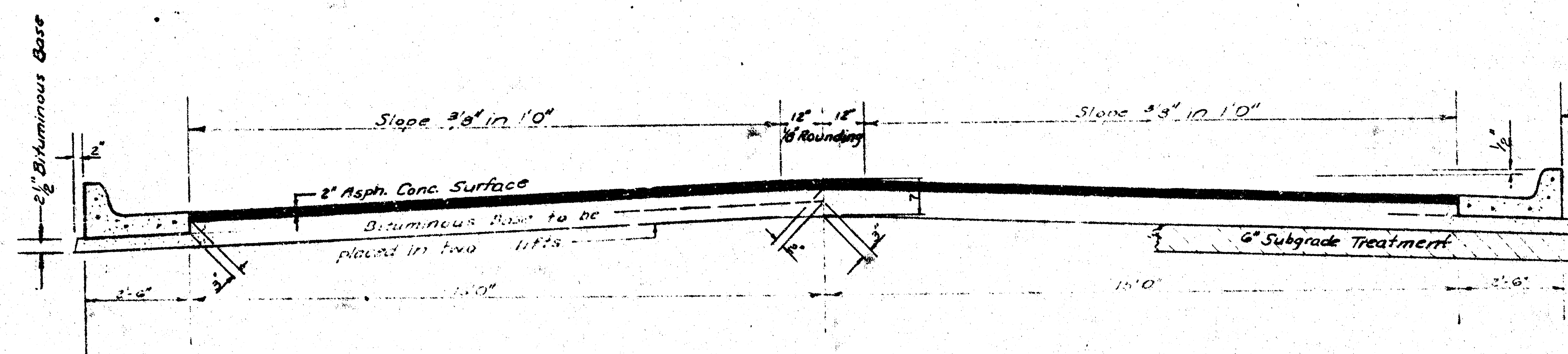
CITY OF WICHITA KANSAS
DEPARTMENT OF ENGINEERING

R. W. BRUGGEMAN
DIRECTOR OF ENGINEERING/CITY ENGINEER

DATE _____ Proj. No. _____

3/14

3/14



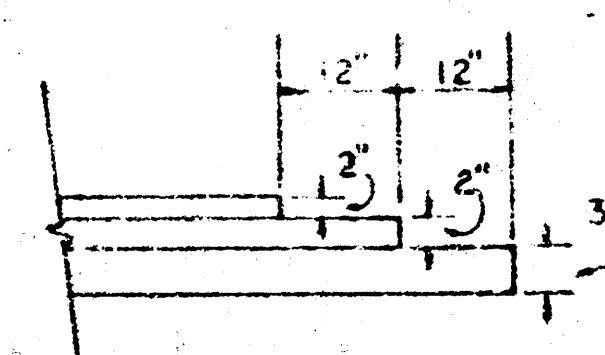
TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

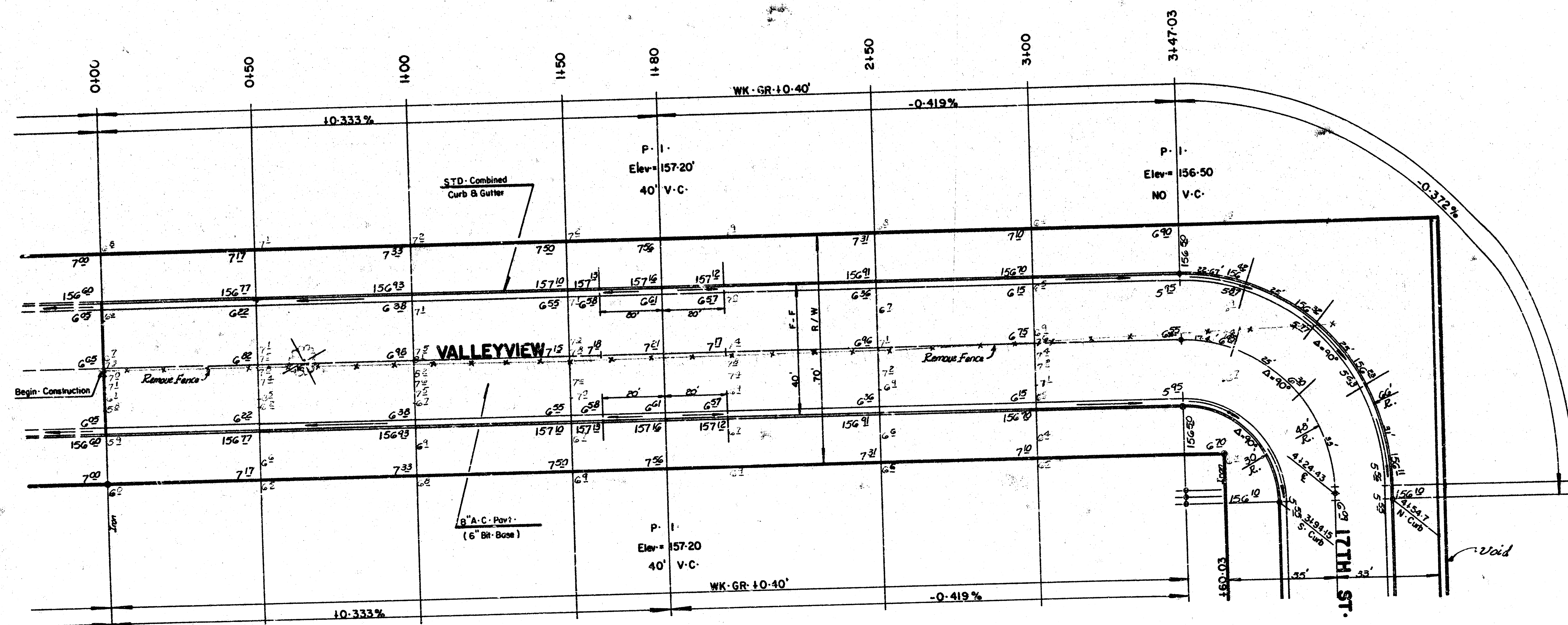
The A.C. Pavement between the curb and gutter shall be paid as Sq Yds. 17\" A.C. Pavement (5\" Bituminous Base).
The Bituminous Base under the curb and gutter shall be paid as Sq Yds. 2 1/2\" Bituminous Base.

CITY OF WICHITA KANSAS



S

Scale: 1" = 20'



	PROP.	CITY
Excavation	3548.24	541.26
+10%	354.82	54.13
TOTAL	3903.06 c.y.	595.39 c.y.
Comp. Fill	150.97	23.03
+10%	15.10	2.30
TOTAL	166.07 c.y.	25.33
Manipulation	7733.2 s.y.	1179.1 s.y.

CAUTION
UNDERGROUND
UTILITIES

Please check with K G & E or
Southwestern Bell
Telephone Co. for Location

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

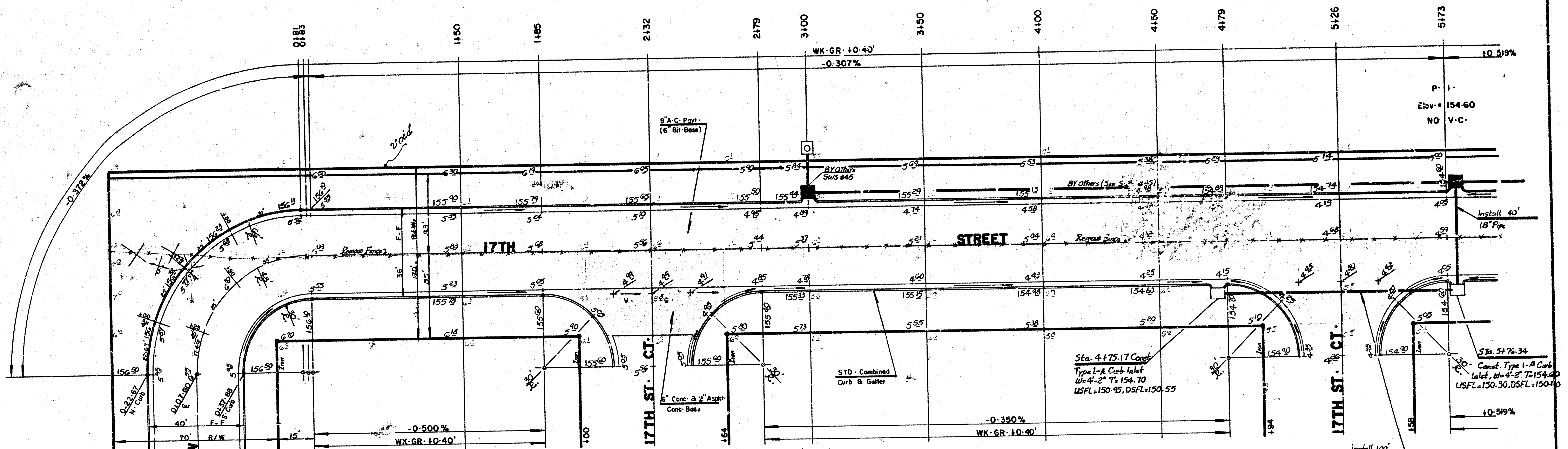
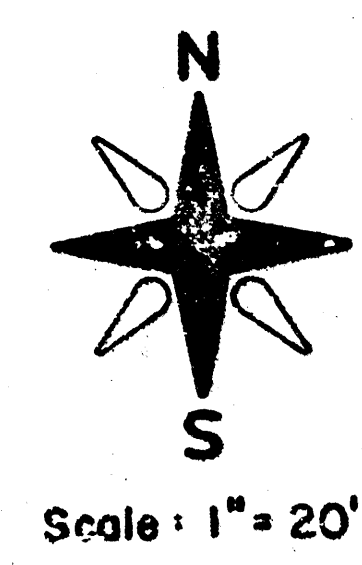
VALLEYVIEW

5

(5)

FILMED FROM THE BEST

B.M. = 155.04 R.R. SPK. S. Face Orange Tree @ 17TH ST. 1/2 Mile E. Of Maize Rd.
 Base line is 18' N. Of S.P.L.



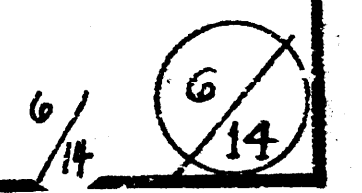
INTERSECTION QUANTITIES

---	S.Y.	---	Concrete Pavement
113.8	S.Y.	---	Asphaltic Conc. Pavement (6" Bituminous Base)
---	S.Y.	---	Bituminous Base
---	L.F.	---	Combined Curb & Gutter
34.3	L.F.	---	Integral Curb
---	S.F.	---	4" Wheelchair Ramp
---	S.F.	---	4" Walk
113.3	C.Y.	---	Excavation
19.4	C.Y.	---	Compacted Fill
689.1	Lbs.	---	Reinforcing Steel
232.4	S.Y.	---	Manipulation
2.9	Tons	---	Lime or Cement
116.2	S.Y.	---	V.G. 6" Concrete & 2" Asphaltic Concrete Base

INTERSECTION QUANTITIES

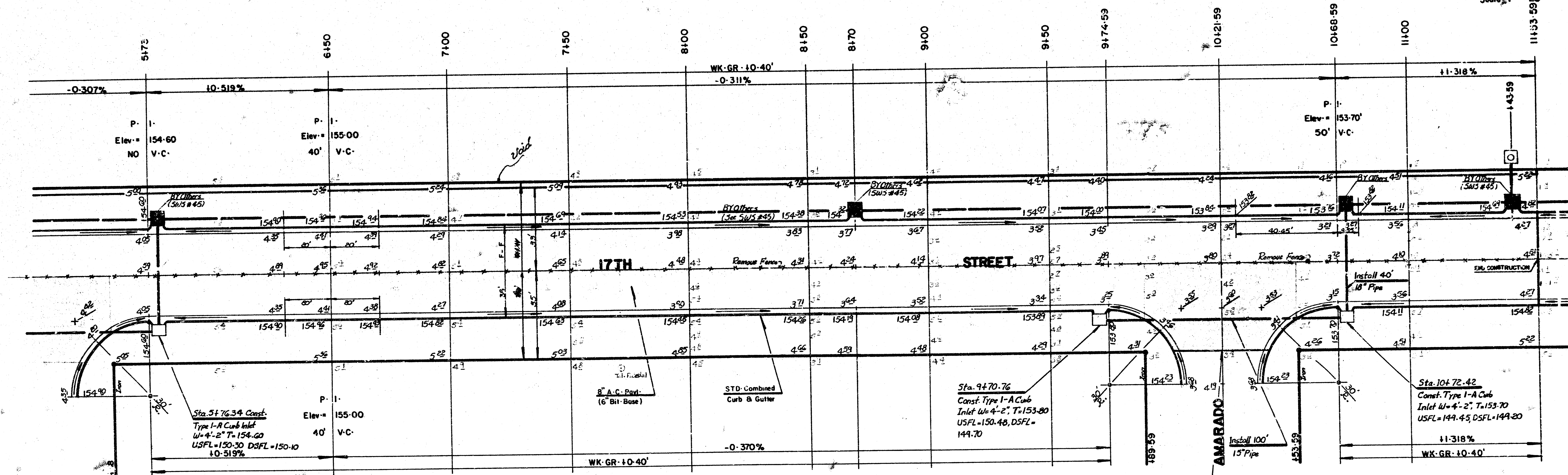
---	S.Y.	---	Concrete Pavement
219.3	S.Y.	---	Asphaltic Conc. Pavement (6" Bituminous Base)
10.9	S.Y.	---	Bituminous Base
35.3	L.F.	---	Combined Curb & Gutter
---	L.F.	---	Integral Curb
---	S.F.	---	4" Wheelchair Ramp
---	S.F.	---	4" Walk
113.9	C.Y.	---	Excavation
19.4	C.Y.	---	Compacted Fill
---	Lbs.	---	Reinforcing Steel
232.4	S.Y.	---	Manipulation
2.9	Tons	---	Lime or Cement
---	S.Y.	---	V.G. 6" Concrete & 2" Asphaltic Concrete Base

17TH STREET



FILMED FROM THE BEST AVAILABLE COPY....

Survey by
Plan and Elevation
Circ
Checked



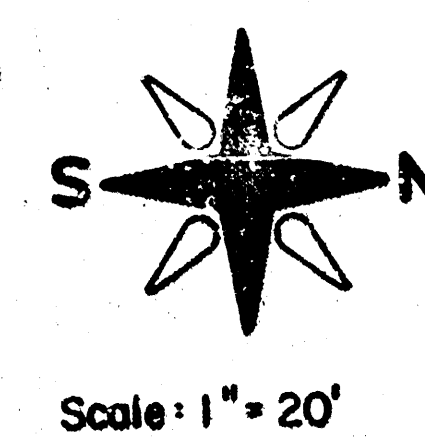
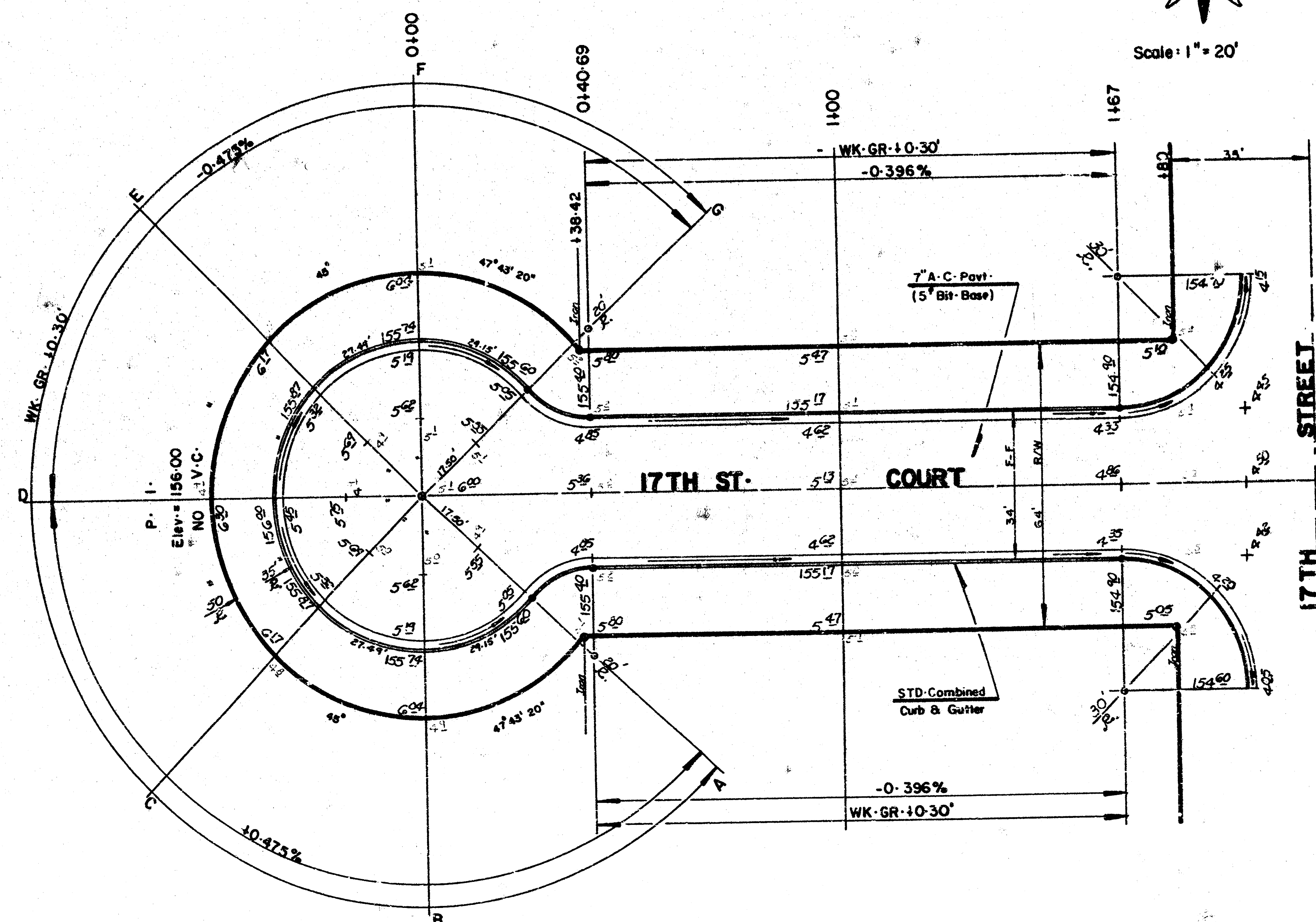
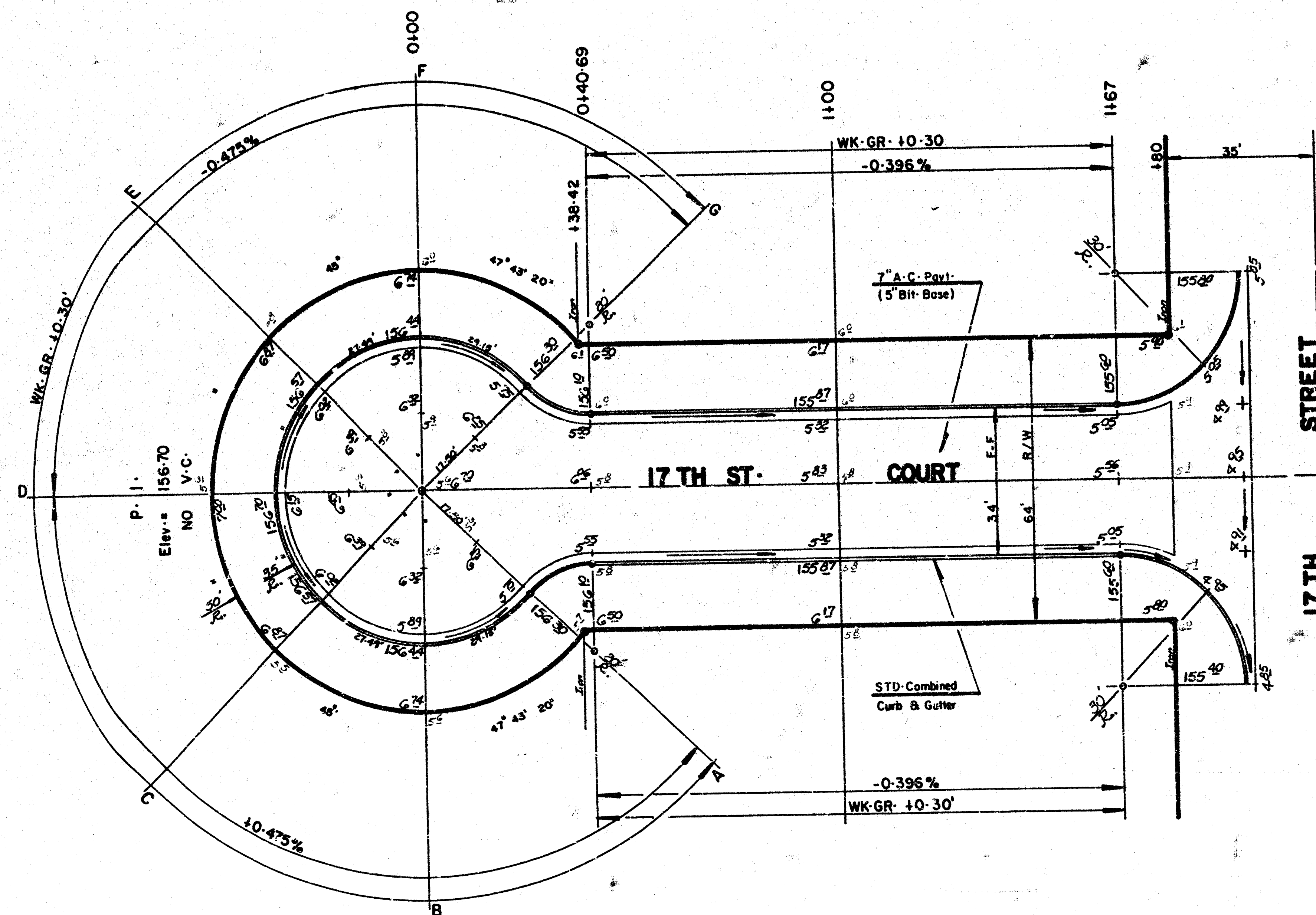
INTERSECTION QUANTITIES

219.3	S.Y.	Concrete Pavement
10.9	S.Y.	Asphaltic Conc. Pavement (6" Bituminous Base)
35.9	S.Y.	Concrete Curb & Gutter
113.9	S.Y.	Concrete Curb
19.4	S.Y.	Concrete Curb
232.4	S.Y.	Concrete Curb
2.9	Tons	Time or Cement
	S.Y.	V.G. Concrete & Asphaltic Concrete Base

17TH STREET

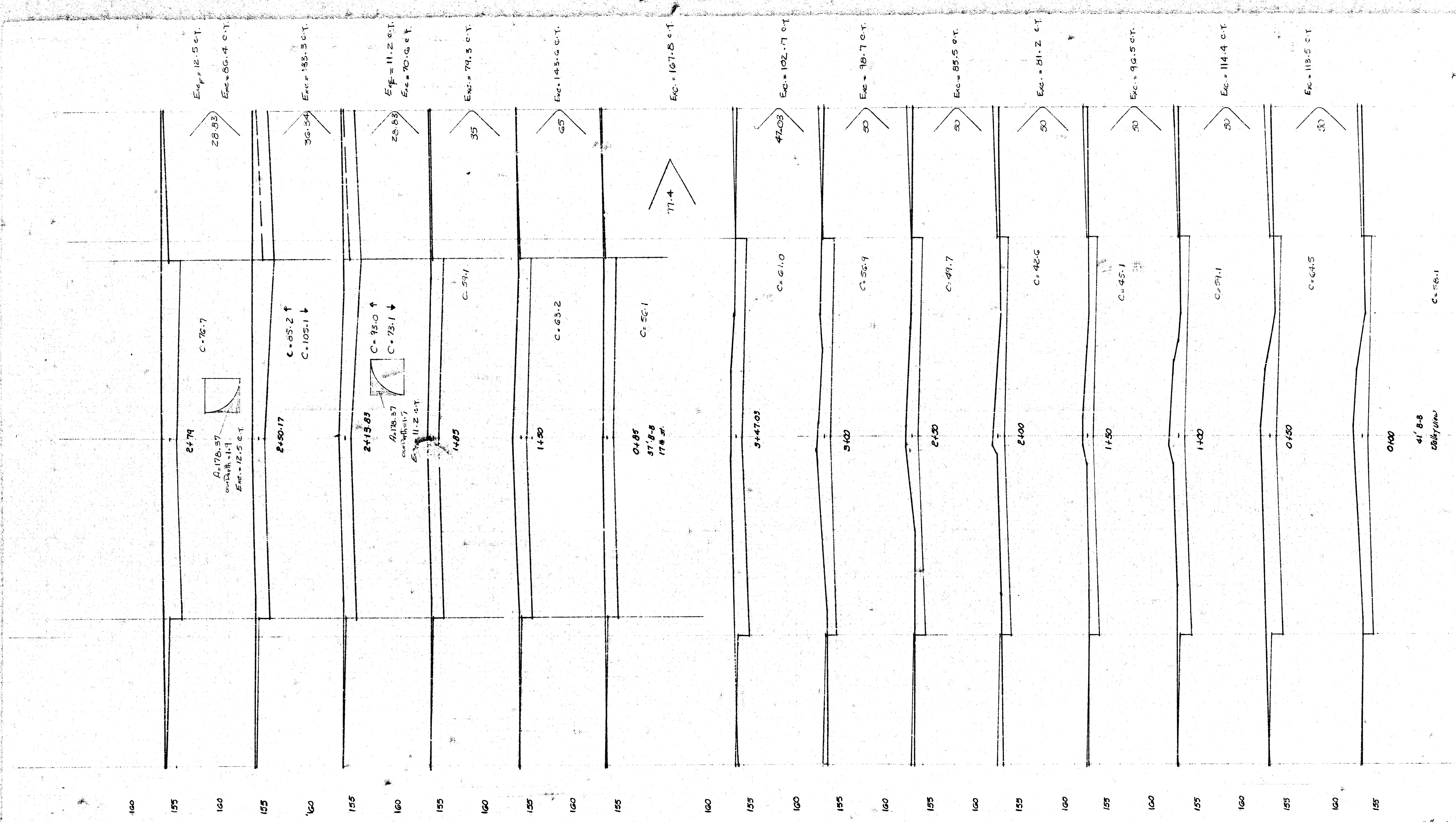
7/14

Survey City
Plan No. 10-30
Exc
District

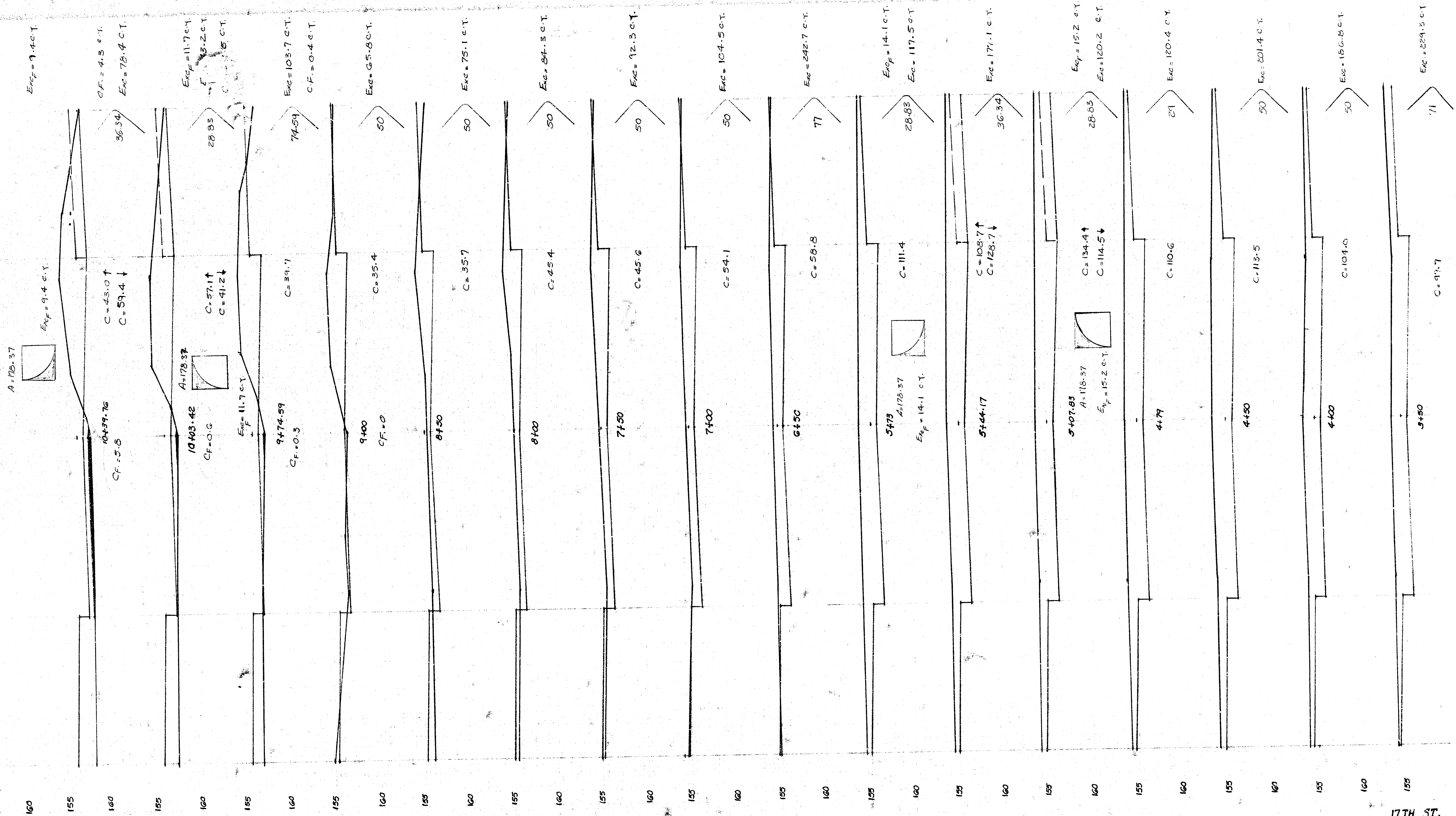


17TH ST. COURTS
LOTS 28 Th 34
LOTS 21 Th 27

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AVAILABLE COPY....



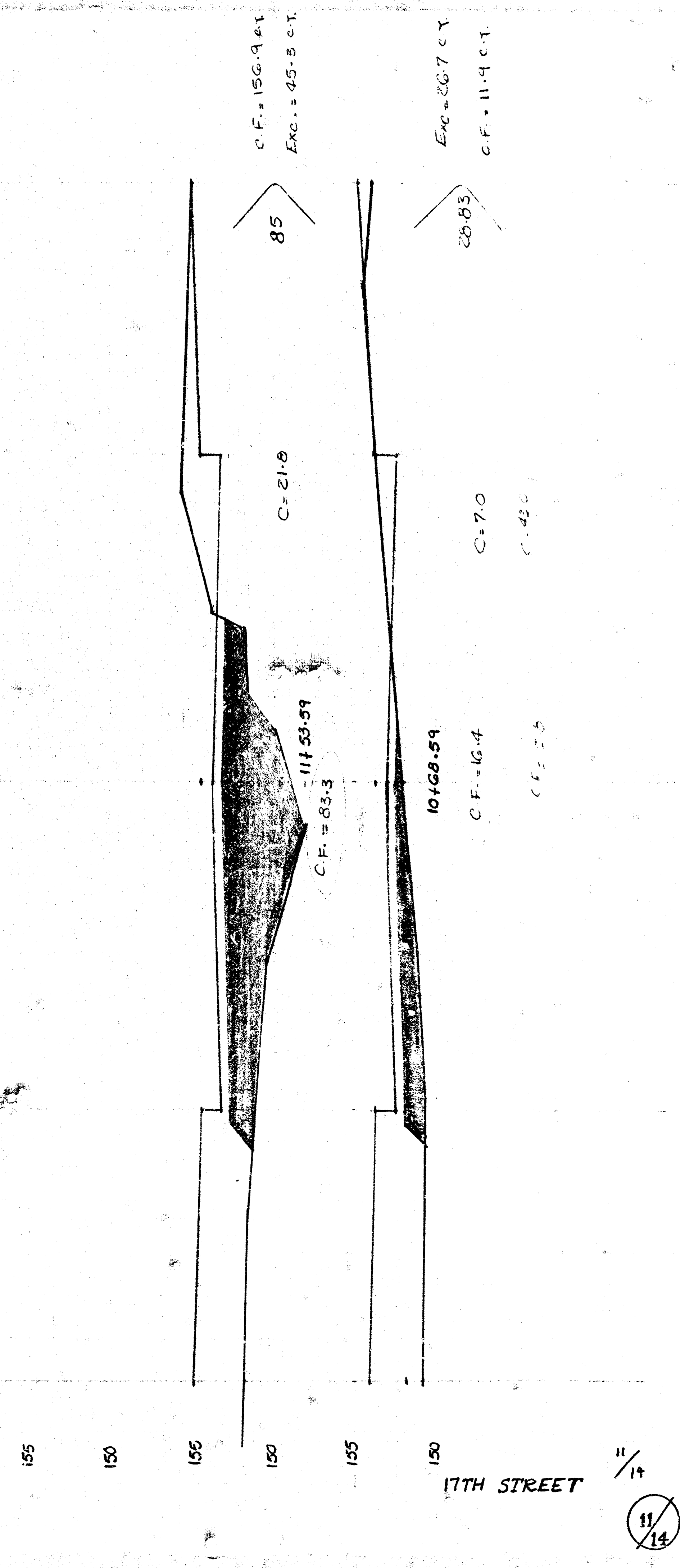
TOTAL:
 EAC = 350.8 c.t.
 C.F. = 174.0 c.t.

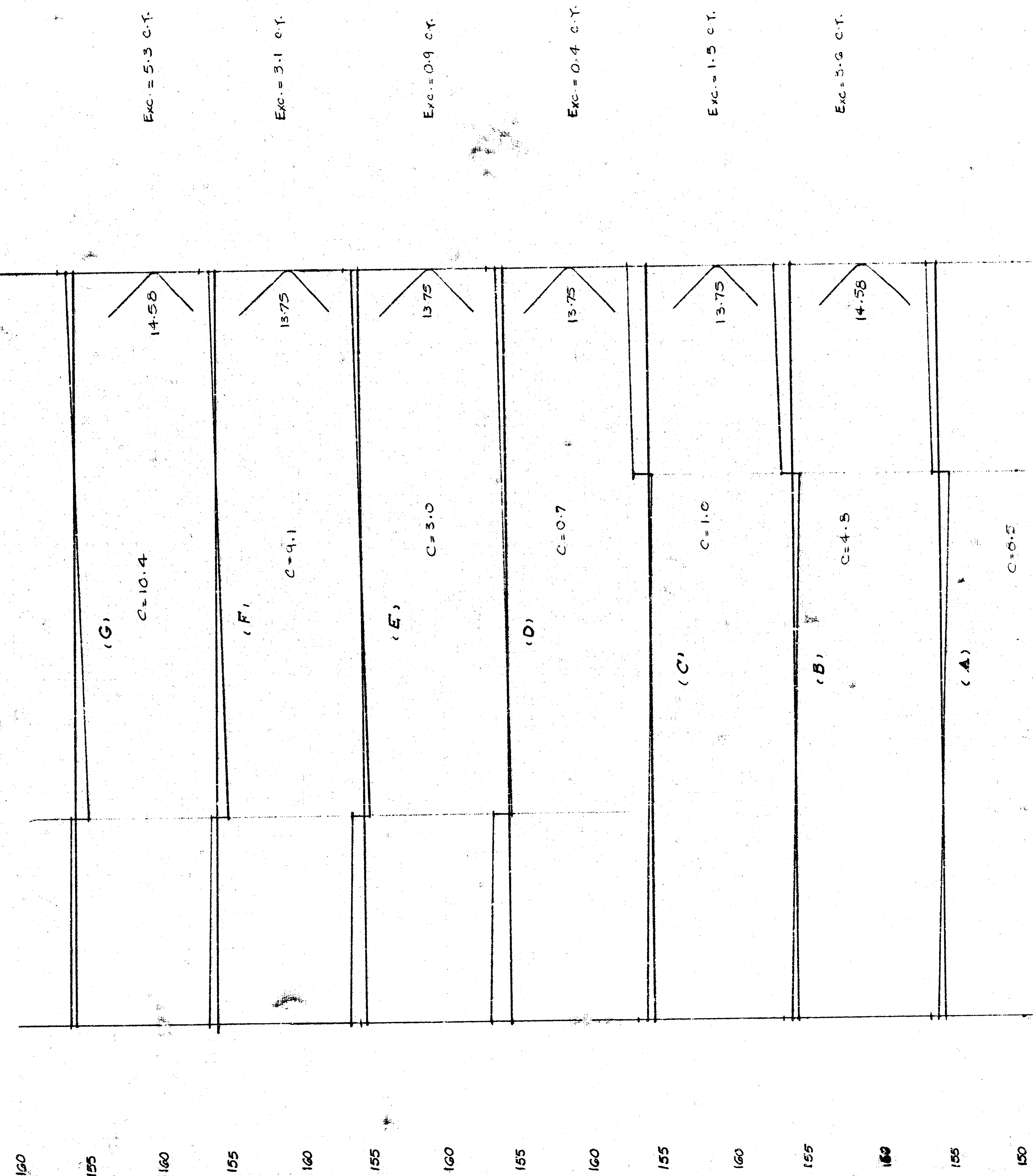
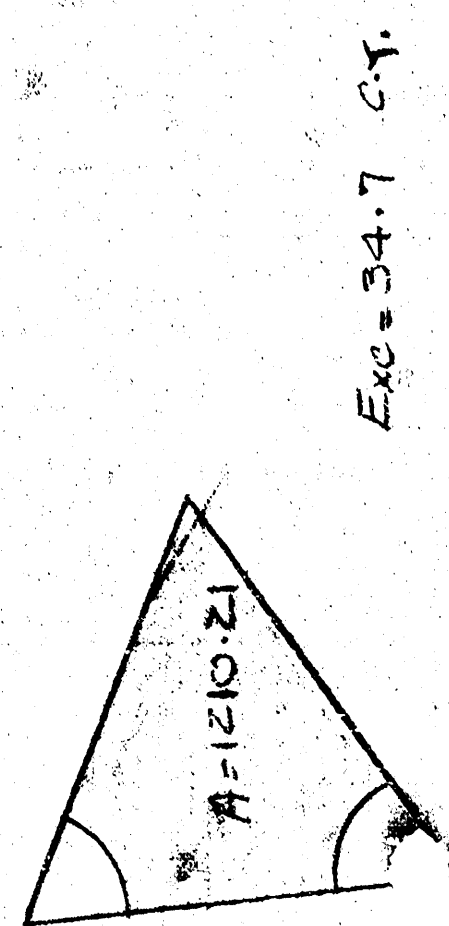
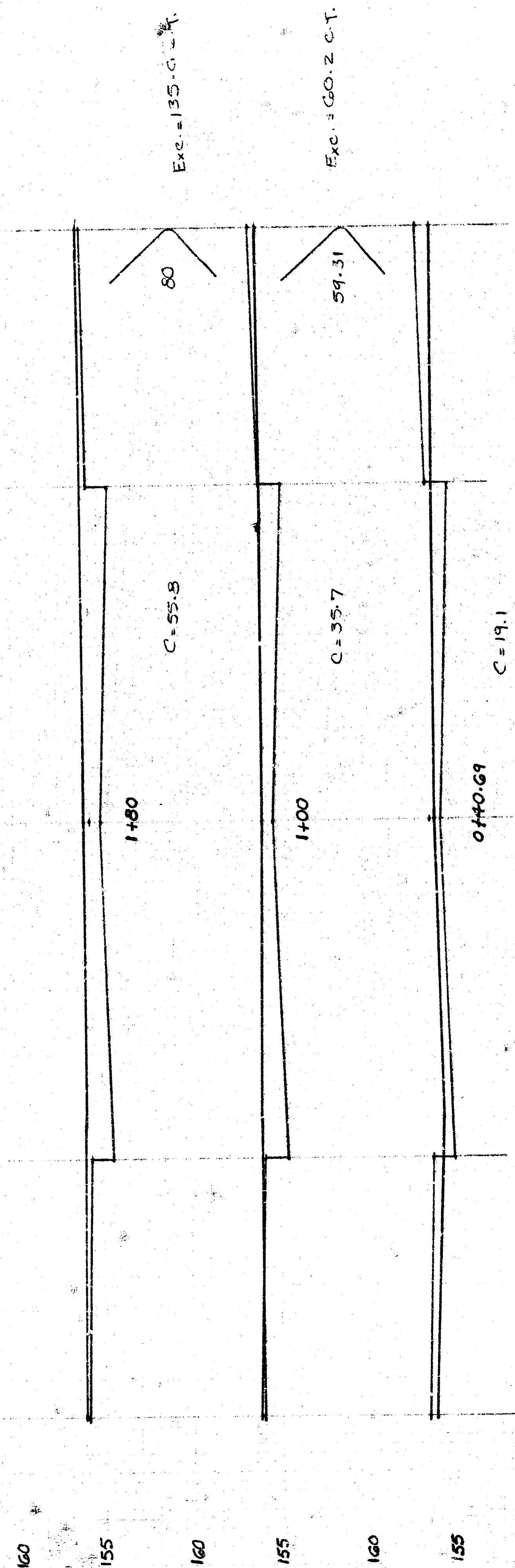


17TH ST.

10/14

10/14



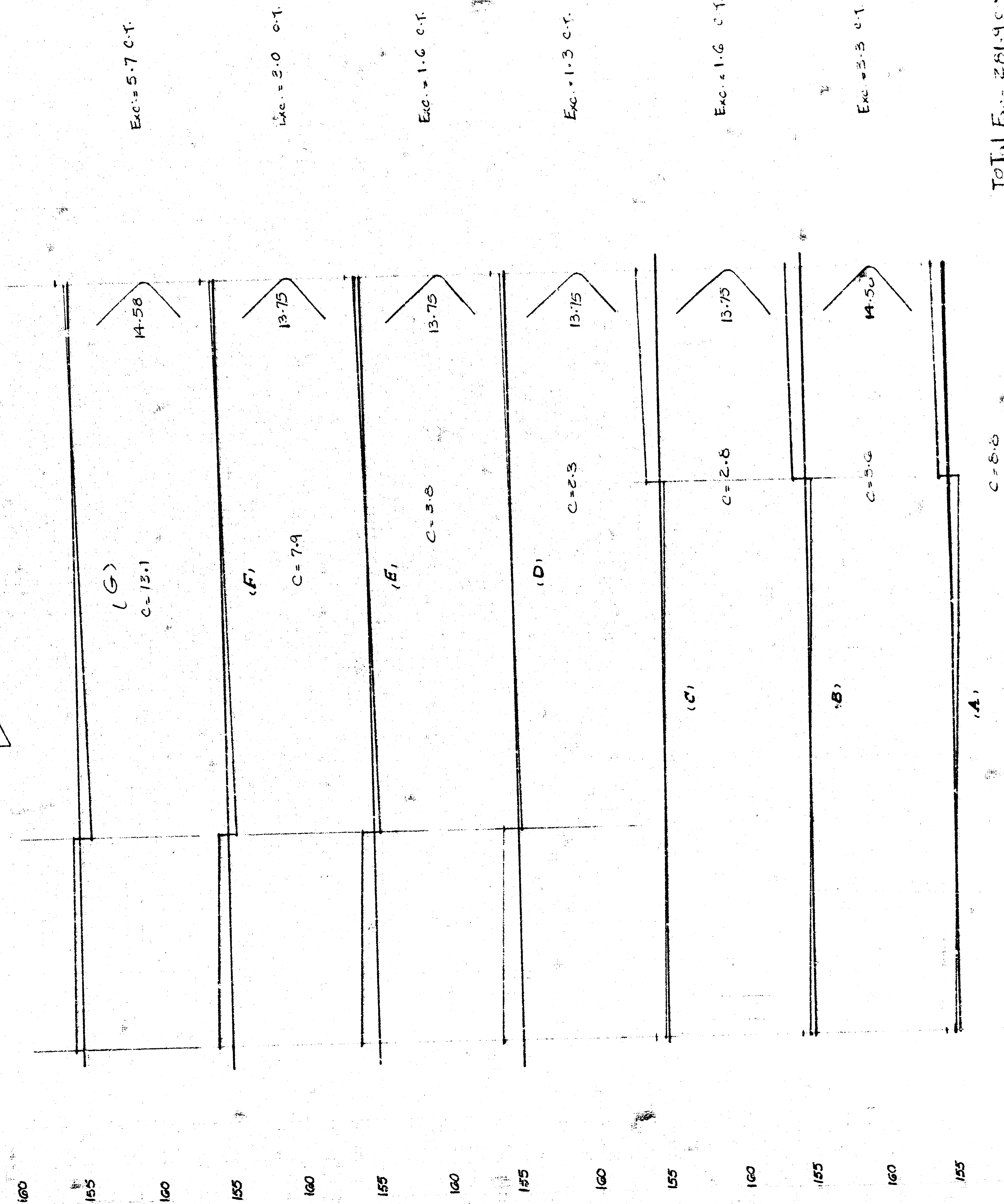
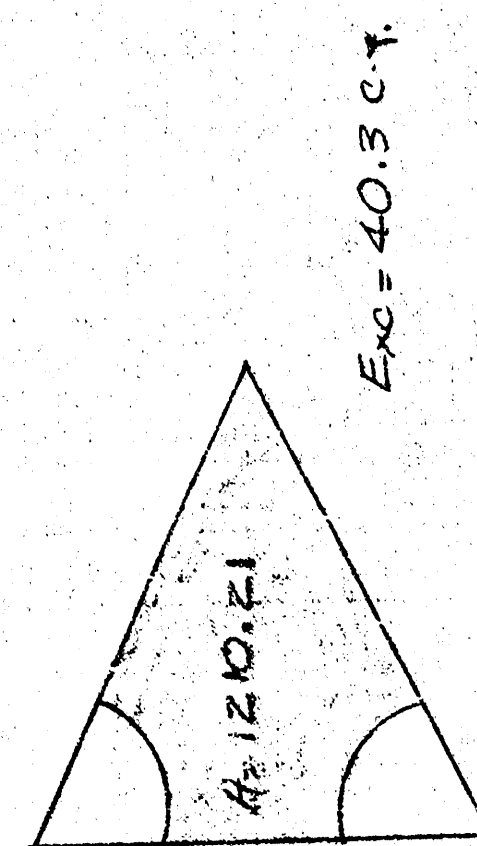
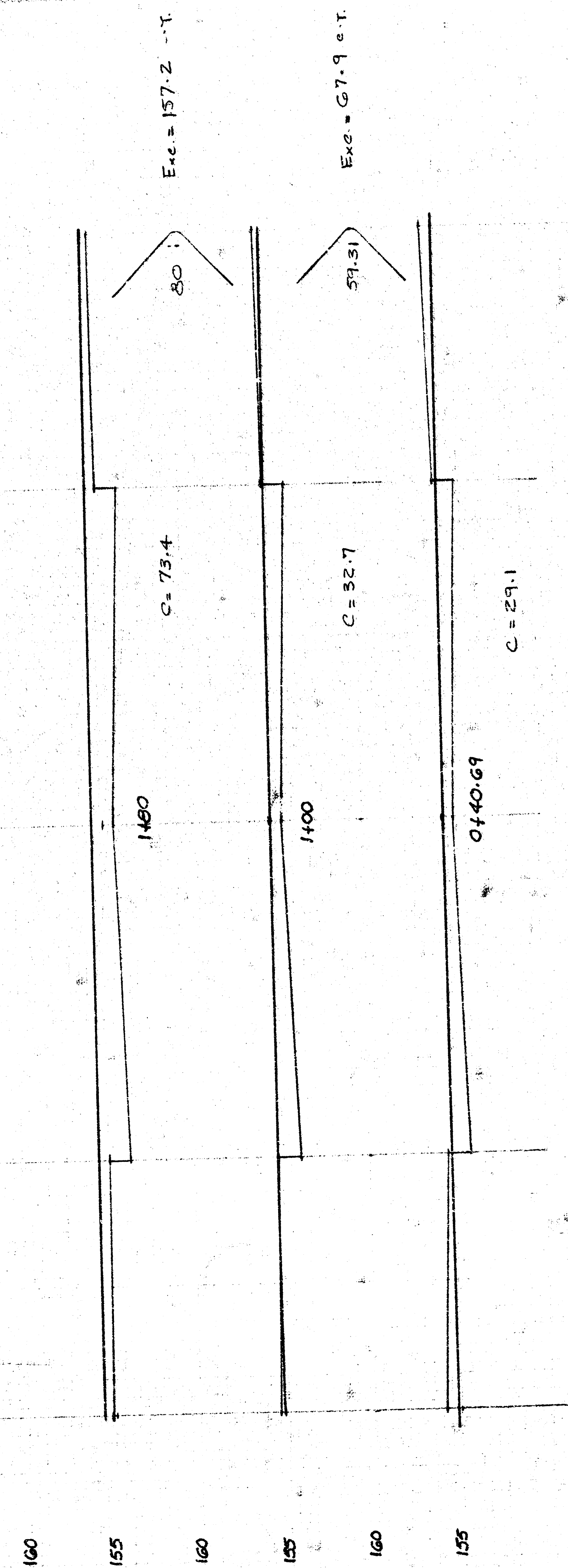


Total Exc = 245.3 c.f.

17TH ST COURT
Lot 23 Tr. 34

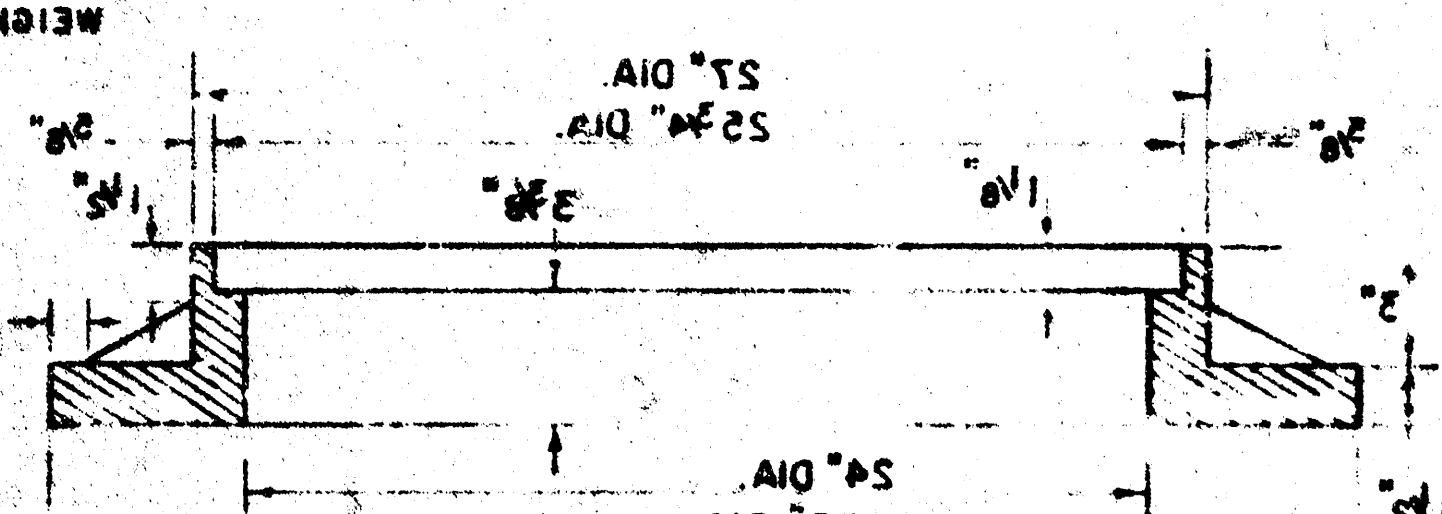
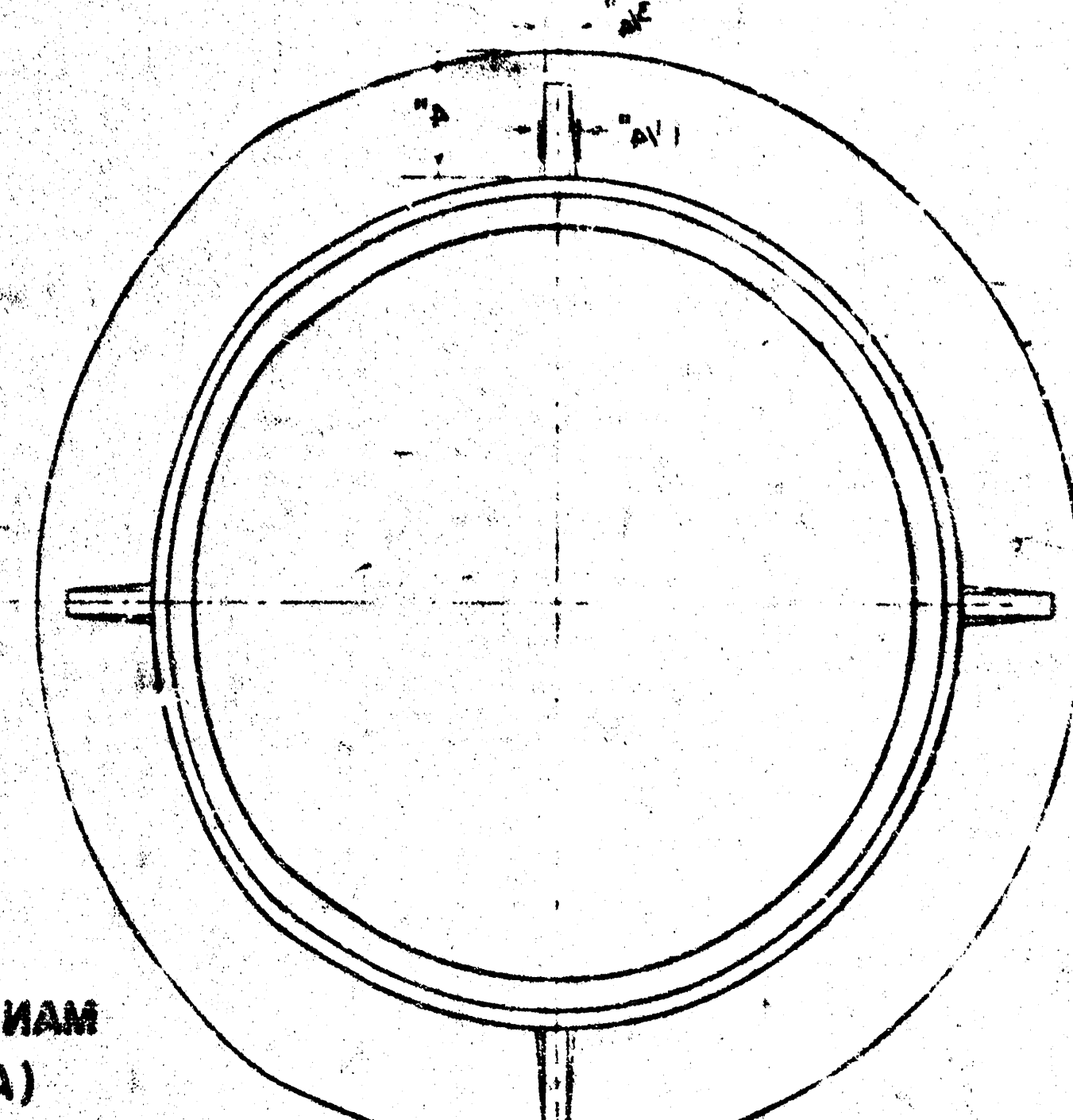
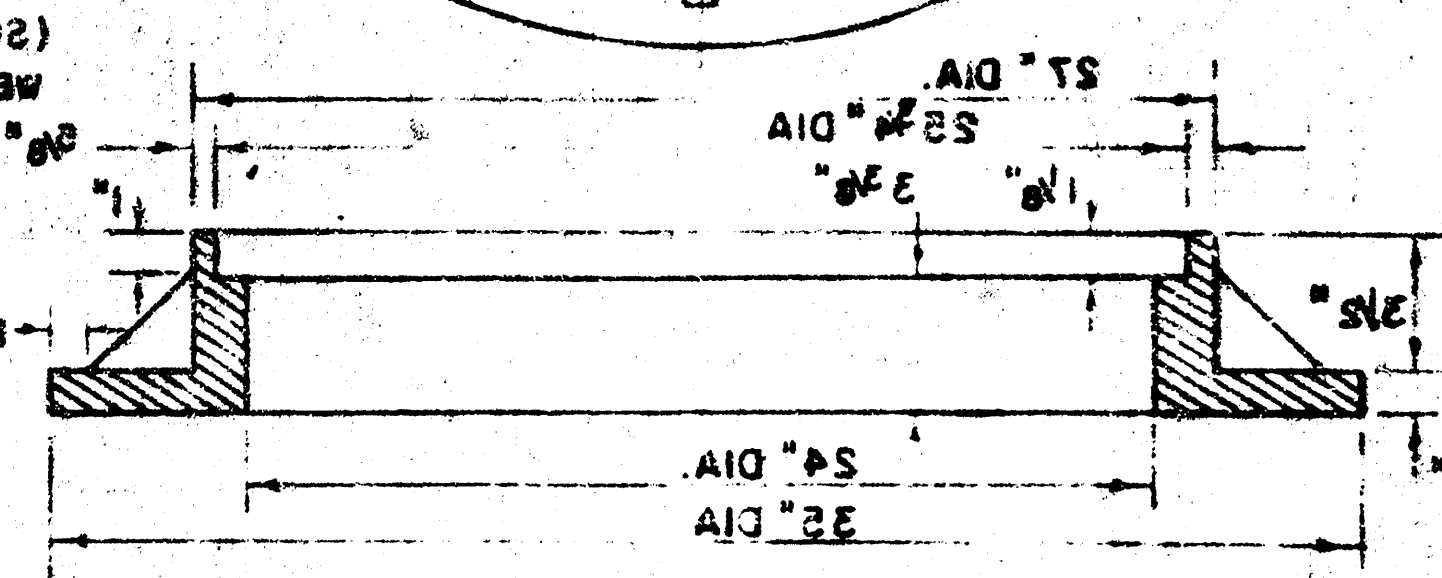
12/14

FILMED FROM THE BEST

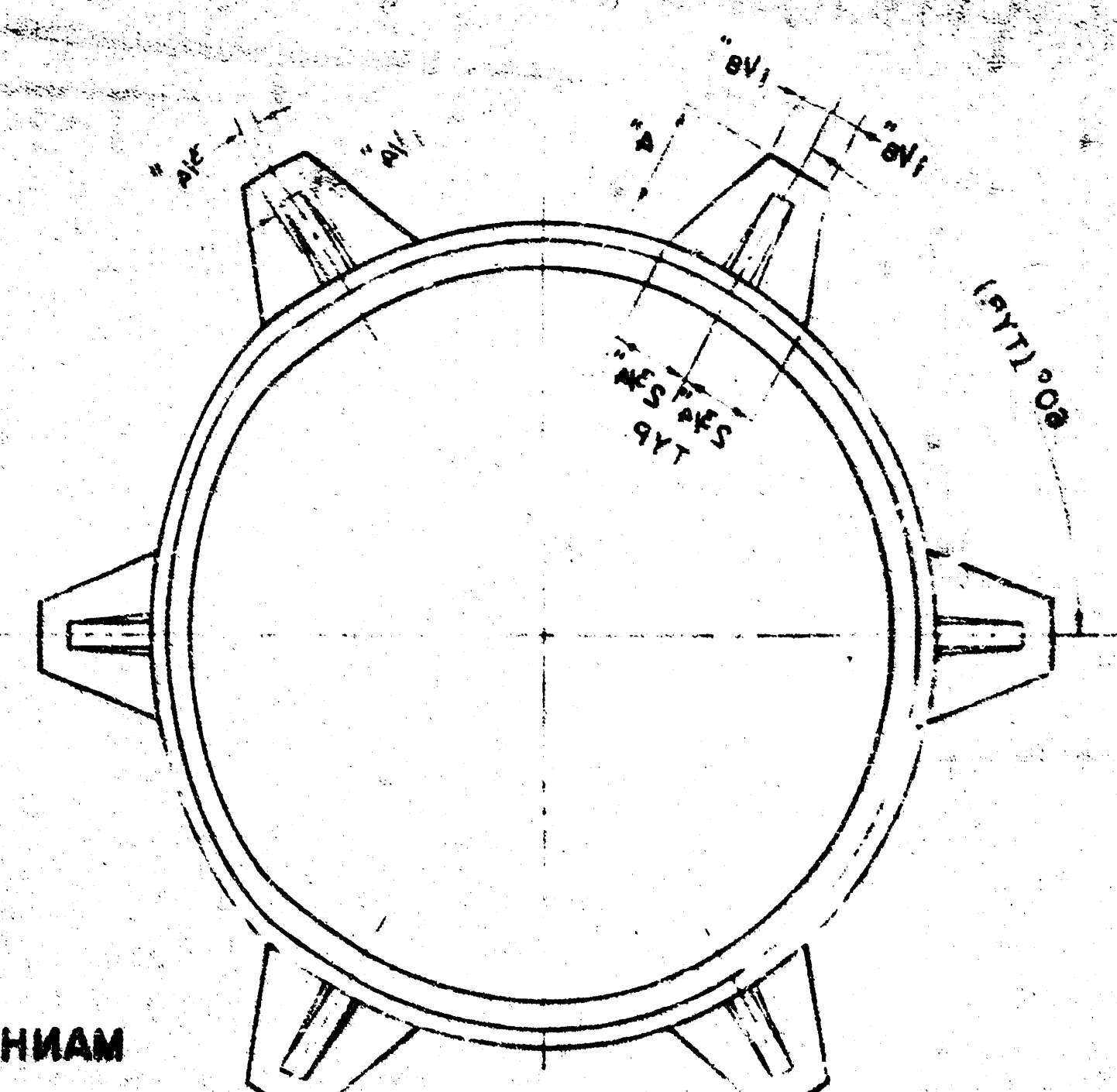


17TH ST. COURT
 Lots 21 to 27

MANHOLE FRAM
(ALTERNATE)

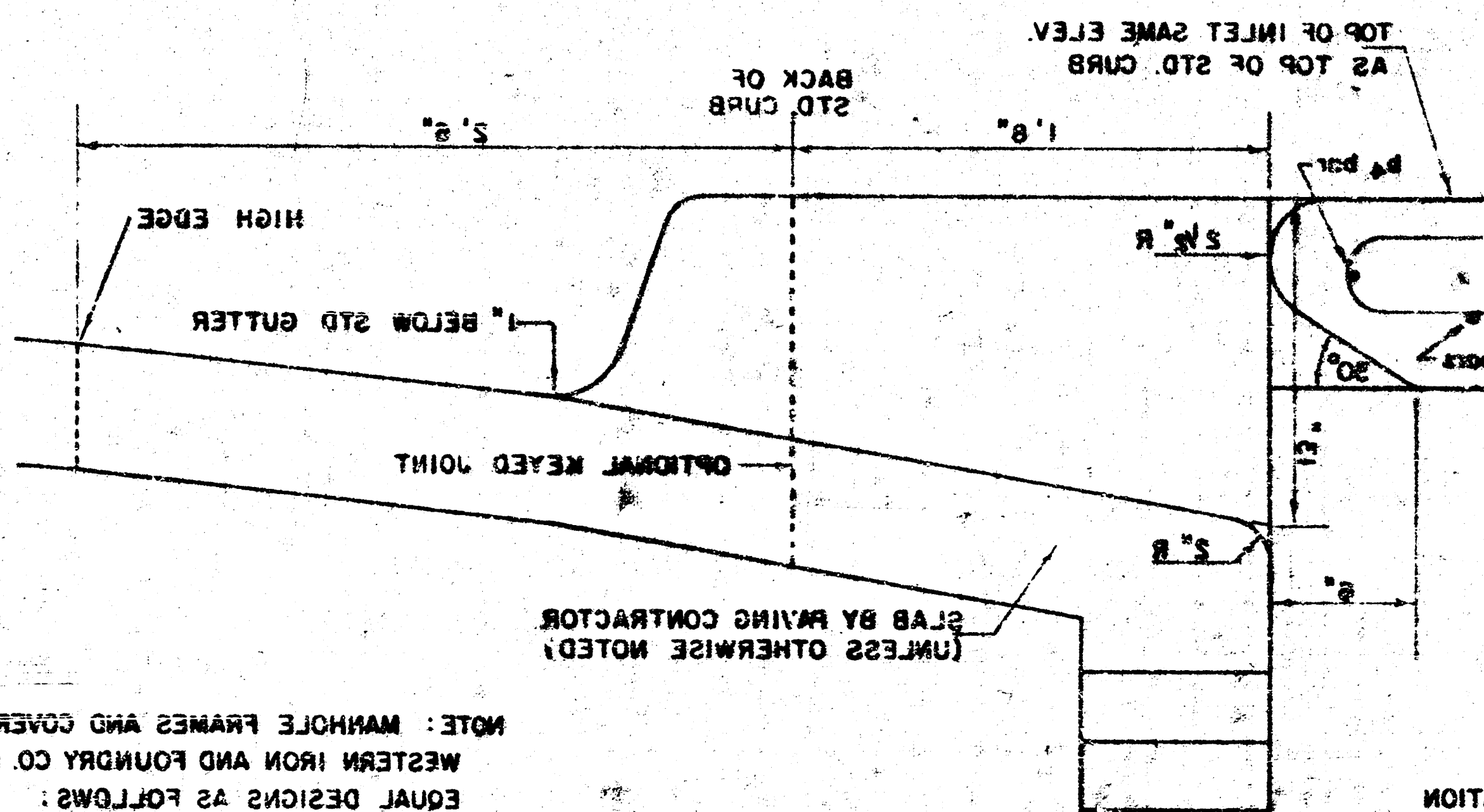


MANHOLE FRAM
(SCALE 1" = 6")
WEIGHT = 180 LBS.

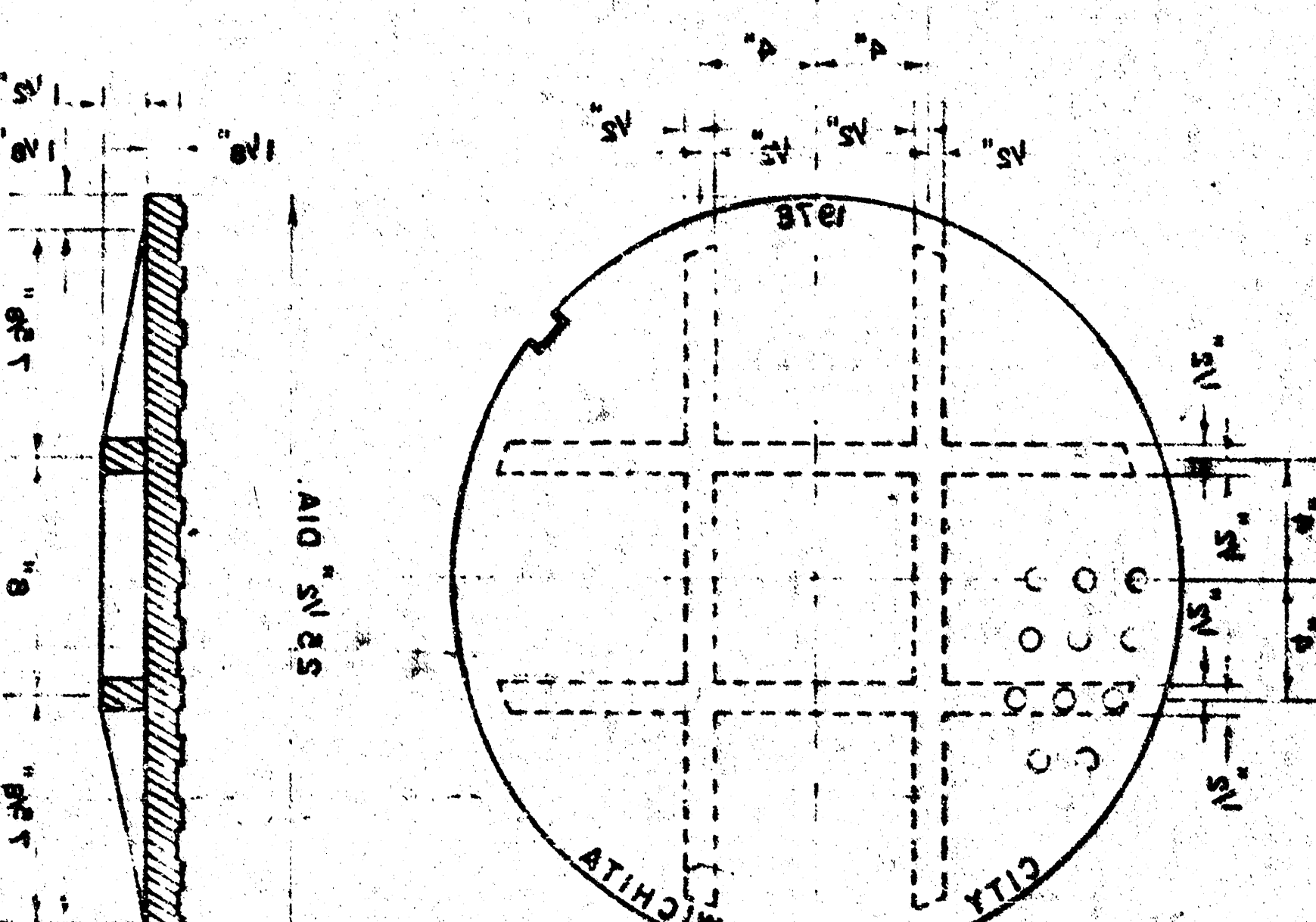


SECTION B - B
(SCALE 1" = 6')

COVER: 222 S4 "MOBBY"
FRAME (ALTERNATE): 200 A4
FRAME: 224 - 16
EQUAL DESIGNS AS FOLLOWS:
WESTERN IRON AND FOUNDRY CO. INC. OR
NOTE: MANHOLE FRAMES AND COVER ARE

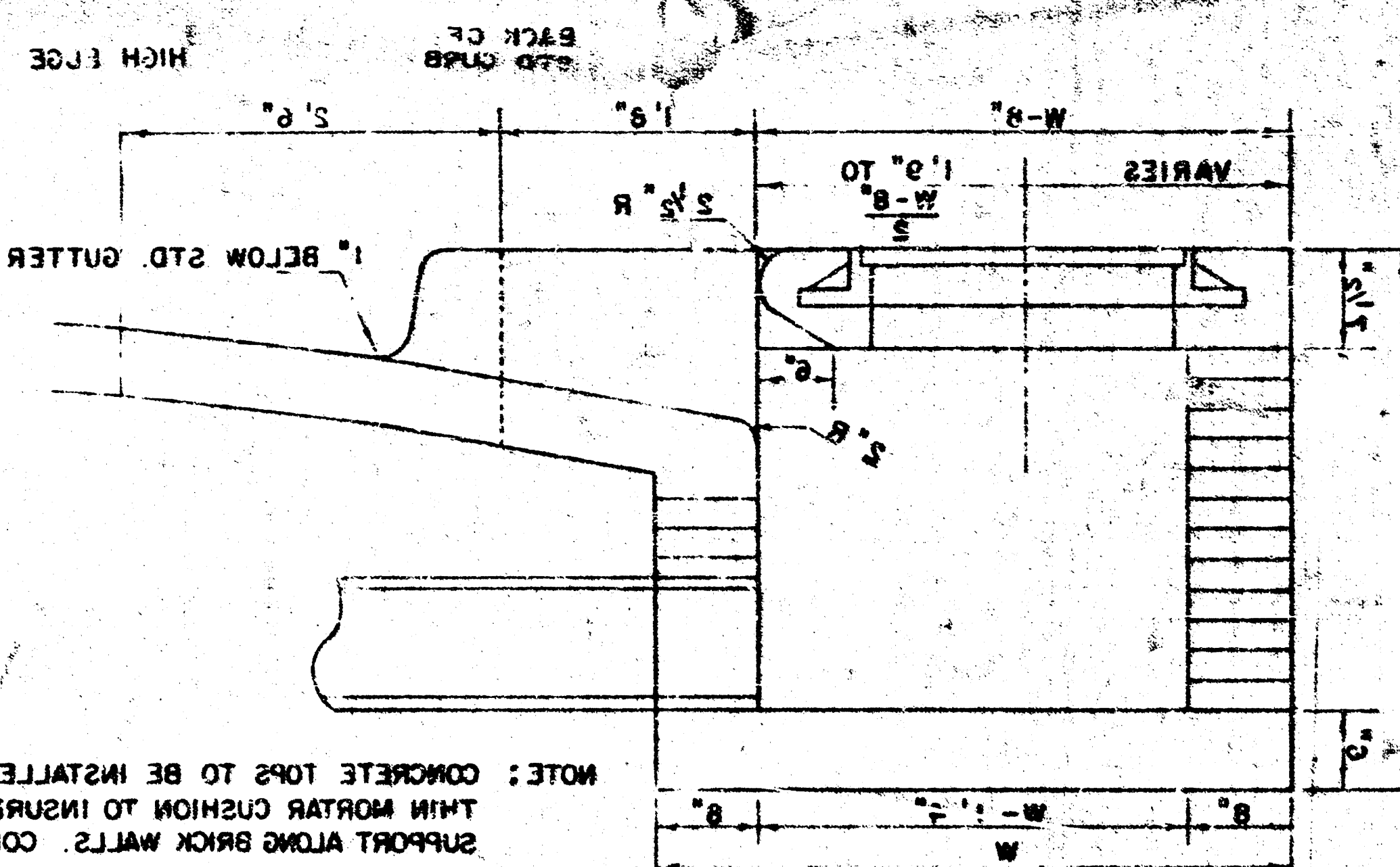


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 150 LBS.



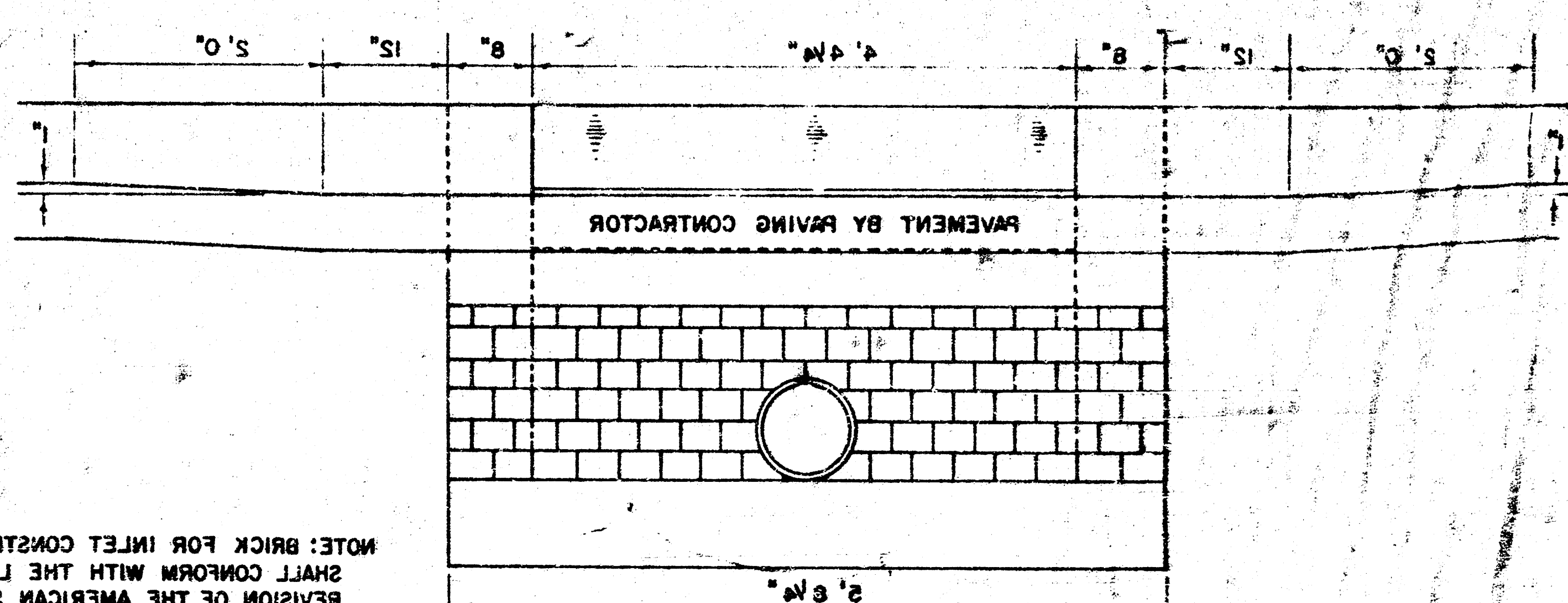
A-A SECTION
(SCALE 1" = 10')

NOTE: CONCRETE TOPS TO BE INSTALLED ON
TWIN MORTAR CUSHION TO INSURE FULL
SUPPORT ALONG BRICK WALLS. CONCRETE
TOPS MAY BE CAST IN PLACE OR PRECAST.
CONCRETE FOR INLET TOPS AND FLOORS
SHALL BE CITY PAVING MIX.



SECTION C - C
(SCALE 1" = 10')

C-35 FOR MAMMOLE BRICK GRADE MS.
FOR TESTING AND MATERIALS DESIGNATION
REVISION OF THE AMERICAN SOCIETY
SHALL CONFORM WITH THE LATEST
NOTE: BRICK FOR INLET CONSTRUCTION

[illegible]

* NOTE: 2" BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

STEEPS SCHEDULE

W	PRECAST TOST SIZE	PIPE SIZE	CU.YD CONC.
4' 5"	36"x36"x12'1/2"	51" & SMALLER	0.46 *
5' 0"	44"x48"x12'1/2"	54" & 30"	0.57 *
6' 0"	60"x60"x12'1/2"	36" & 45"	0.71 *
7' 0"	66"x66"x12'1/2"	48" & 54"	0.84 *
8' 0"	72"x72"x12'1/2"	60" & 66"	0.97 *

BENDING DIAGRAM

