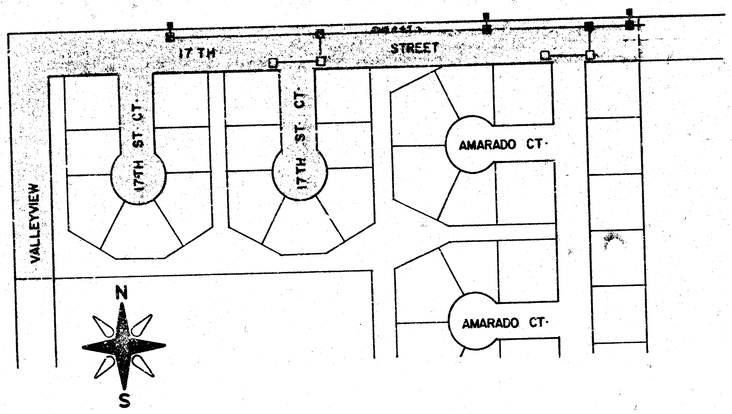
Pavement & Drainage In
17TH STREET
VALLEYVIEW
17TH ST·COURTS
(21 - 34)

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 [illegible]
3. NO MORE THAN 17 - 20' DRIVEWAY APPROACHES OR THE EQUIVALENT TO BE CONSTRUCTED.
4. CONTRACTOR SHALL COORDINATE WORK WITH DRAINAGE AND SANITARY SEWER CONTRACTORS AND CONTACT DELINQUENT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT.
5. CONTRACTOR SHALL HAVE THE OPTION TO INSTALL PRE-CAST TYPE 1-A CURB INLET IN LIEU OF BRICK TYPE CONSTRUCTION; SEE STANDARD DETAIL PRE-CAST TYPE [illegible] DATED AUGUST, 1979.
6. FIELD ENGINEER SHALL CROSS-SECTION [illegible] CONSTRUCTION IF EXISTING GROUND APPEARS TO HAVE BEEN DISTURBED.



VALLEYVIEW, FROM N.L. OF AMARADO ESTATES 2ND ADDITION TO S.L. OF 17TH STREET.

17TH STREET, FROM W.L. 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.L. 17TH STREET TO AND INCLUDING CUL-DE-SAC.

17TH STREET COURT, (LOTS 21 THRU 27, BLK. 5) FROM S.L. 17TH STREET TO AND INCLUDING CUL-DE- SAC.

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City of Wichita, KS·

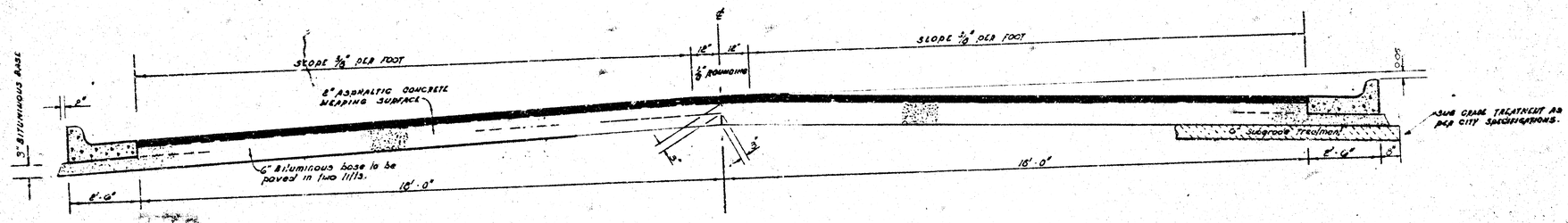
R·W·Bruggeman Director Of Engineering /City Engineer

Proj·NO· 472-76-245-80834-000-000-001

STEPHEN R. LACEY LICENSED 1714 KANSAS ENGINEER

1/14 (1/14)

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TYPICAL SECTION

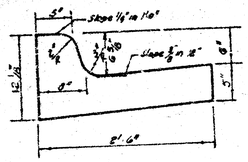
41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

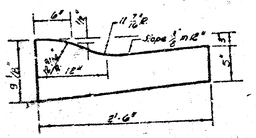
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT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

The A.C. pavement between the comb curb & gutter shall be paid as 39 yds 8" A.C. pavement (6" Bituminous base) The Bituminous base under the comb curb & gutter shall be paid as 39 yds 3" Bituminous base.

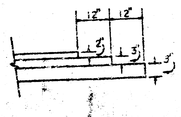
COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



DETAIL OF TRANSVERSE CONSTRUCTION JOINTS

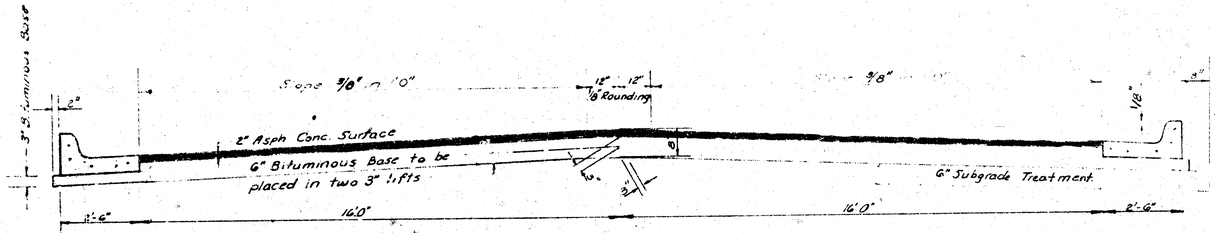


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

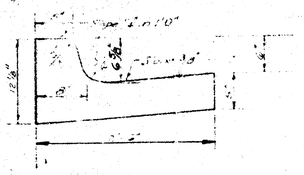
CITY OF WICHITA, KANSAS

2/11 (2/11)

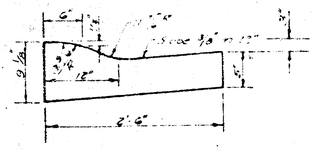
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CONFINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



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



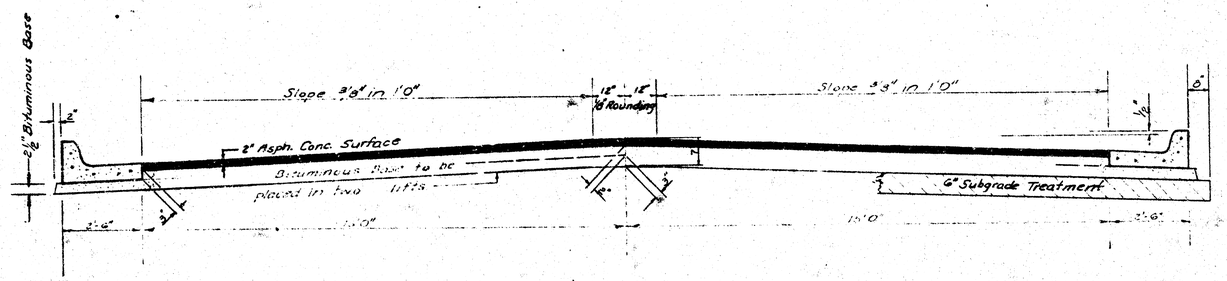
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

CITY OF WICHITA KANSAS
DEPARTMENT OF ENGINEERING
R. W. BRUGGEMAN
DIRECTOR OF ENGINEERING/CITY ENGINEER
DATE _____ Proj No.

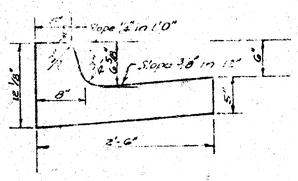
3/19

3/14

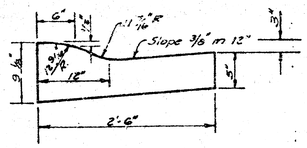
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COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



TYPICAL SECTION

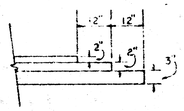
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

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The A.C. Pavement between the comb. curb & gutter shall be paid as Sq.Yds. 4" A.C. Pavement (5" Bituminous Base). The Bituminous Base under the comb. curb & gutter shall be paid as Sq.Yds. 2½" Bituminous Base.

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.

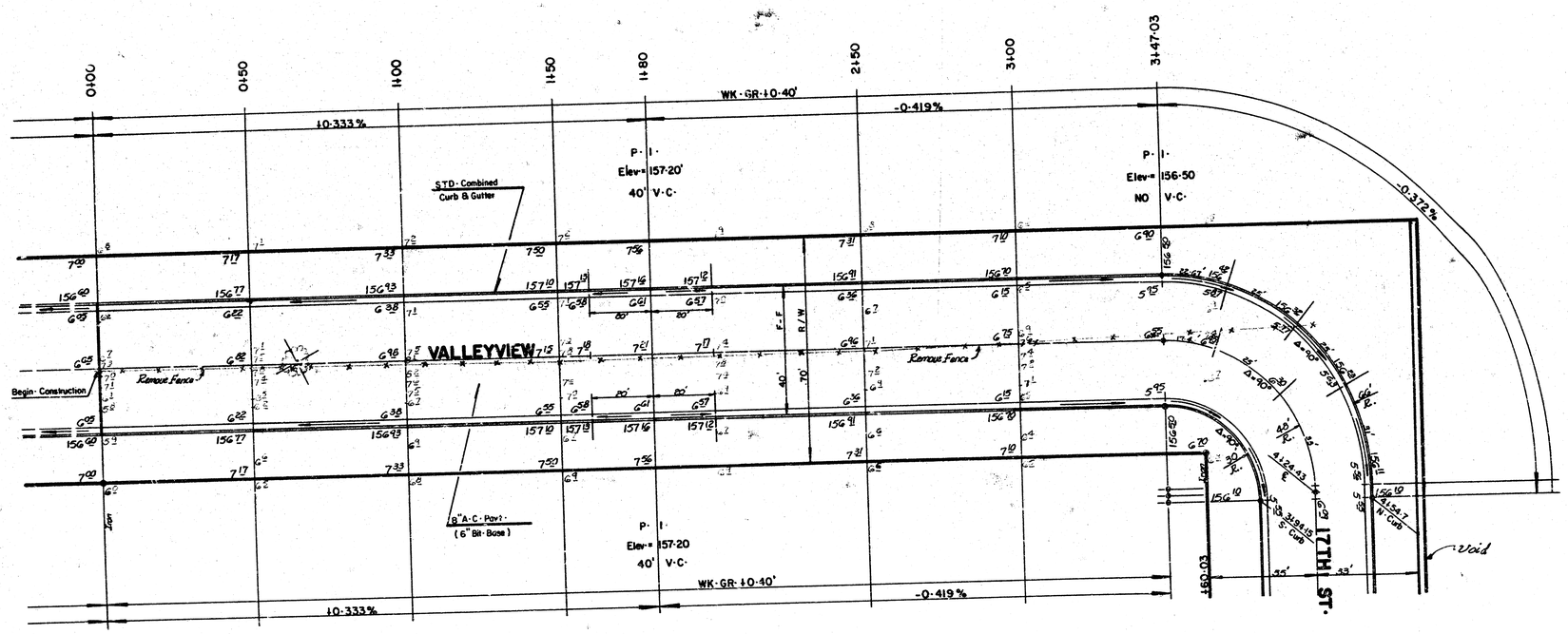
CITY OF WICHITA KANSAS

4/14

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B·M· = 158·18 Top 2 Bent Nails Top Hedge Stump On ℄ 17TH ST· 20± W· Of ℄ VALLEY VIEW·

Base Line is 22' W· Of S·P·L·



	PROP·	CITY
Excavation	3548·24	541·26
±10%	354·82	54·13
TOTAL	3903·06 c·y·	595;39c·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.

Surveyed by
Plan & Profile by
Date
Checked

VALLEYVIEW

5/14

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B·M· = 155·04 R·R·SPK· S·Face Osage Orange Tree ℄ 17TH ST· 1/2 Mile E·Of Maize Rd·

Base line Is 18' N·Of S·P·L·

N

S

Scale : 1" = 20'

0181 0185 1150 1185 2132 2179 3100 3150 4100 4150 4179 5126 5173

WK·GR·±0·40'

-0·307%

±0·519%

P·I·
Elev·= 154·60
NO V·C·

8"A·C·Pavt·
(6" Bit·Base)

Void

-0·372%

BY Others SUS #45

BY Others (See Sht #15)

17TH STREET

Remove Fence

Remove Fence

Install 40' 18" Pipe

Sta. 4+75.17 Const.
Type 1-A Curb Inlet
W=4'-2" T=154.70
USFL=150.95, DSFL=150.55

STD · Combined Curb & Gutter

6" Conc· & 2" Asphl· Conc· Base

Sta. 5+76.34
Const. Type 1-A Curb Inlet, W=4'-2" T=154.40
USFL=150.30, DSFL=150.10

±0·519%

-0·350%

WK·GR·±0·40'

-0·500%

WK·GR·±0·40'

0·32.67 N Curb

0·107.60 ℄

0·137.88 S Curb

40' F-F

70' R/W

15'

VALLEYVIEW

17TH ST· CT·

17TH ST· CT·

Install 100' 15" Pipe

0185

100

164

194

158

INTERSECTION QUANTITIES

___ S.Y. ___" Concrete Pavement	
113.8 S.Y. 8" 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	
113.9 C.Y. Excavation	
19.4 C.Y. Compacted Fill	
609.1 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. 8" Asphaltic Conc. Pavement (6" Bituminous Base)	
10.9 S.Y. 3" Bituminous Base	
35.9 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. ___" Concrete & ___" Asphaltic Concrete Base	

17TH STREET

6/14 G/14

Surveyed by
Plan by
Est.
Checked

Bk. No. 155-04

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Surveyed by
Plan by
Traced by
Checked

N
S
Scale 1" = 20'

5+75 6+50 7+00 7+50 8+00 8+50 8+70 9+00 9+50 9+74.59 10+21.59 10+68.59 11+00 11+33.59

WK-GR-+0.40'
-0.307% +0.519% -0.311% +1.318%

P.I. Elev.= 154.60 NO V.C.
P.I. Elev.= 155.00 40' V.C.
P.I. Elev.= 153.70 50' V.C.
+43.59

Void
BY Others (SWS #45)
BY Others (See SWS #45)
17TH STREET
Remove Fence
F-F
W=34'
T.I. Found
8" A.C. Pavt. (6" Bit. Base)
STD. Combined Curb & Gutter
END CONSTRUCTION
Install 40' 18" Pipe
Install 100' 15" Pipe
AMARADO

Sta. 5+76.34 Const. Type 1-A Curb Inlet W=4'-2" T=154.40 USFL=150.30 DSFL=150.10

Sta. 9+70.76 Const. Type 1-A Curb Inlet W=4'-2" T=153.80 USFL=150.48, DSFL=149.70

Sta. 10+72.42 Const. Type 1-A Curb Inlet W=4'-2" T=153.70 USFL=144.45 DSFL=144.20

-0.370%
WK-GR-+0.40'
+1.318%
WK-GR-+0.40'

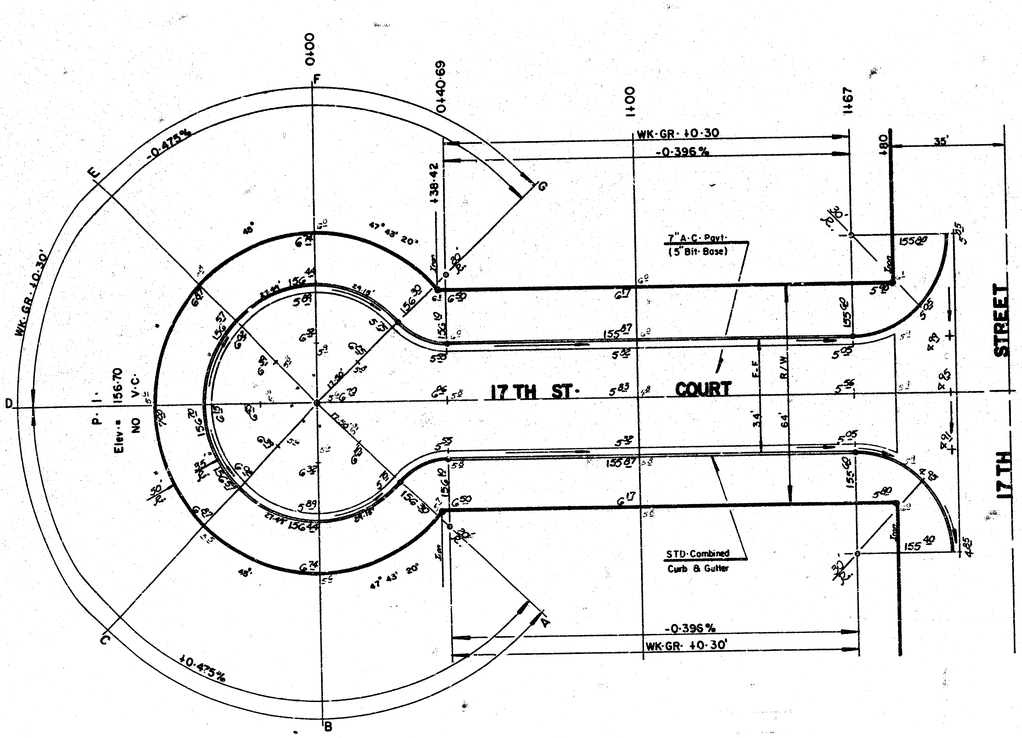
INTERSECTION QUANTITIES

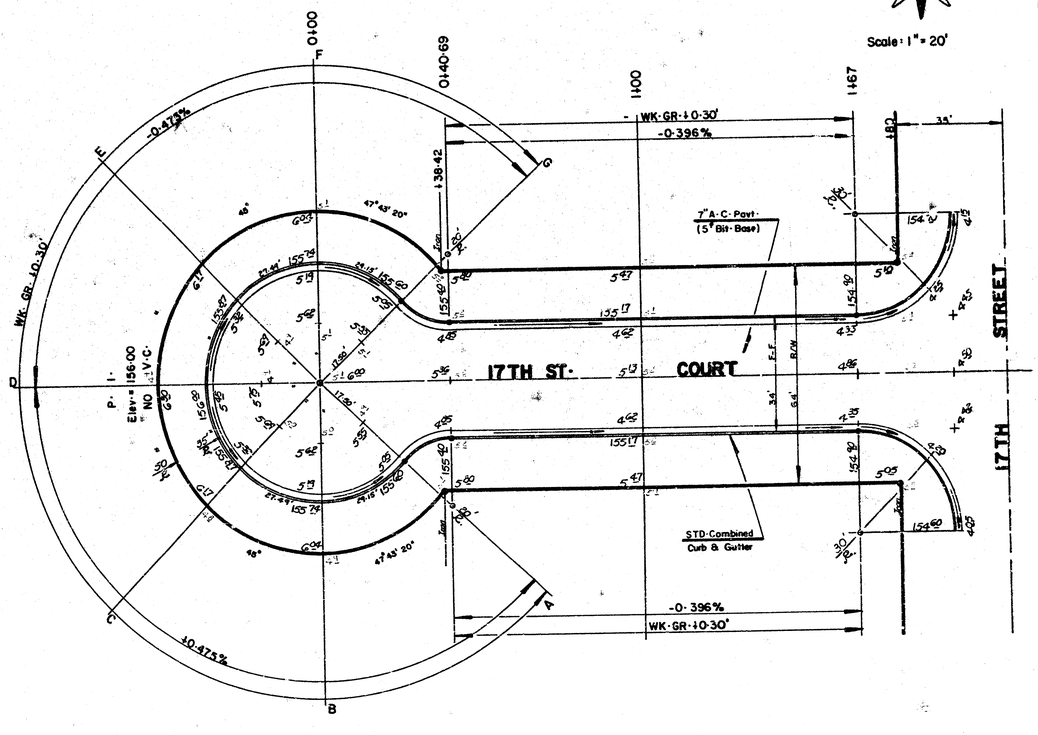
___ S.Y. ___" Concrete Pavement	
219.3 S.Y. 8" ___" Asphaltic Conc. Pavement (6" Bituminous Base)	
10.9 S.Y. 3" ___" Bituminous Base	
35.9 L.F. Combined Curb & Gutter	
___ L.F. Inverted Curb	
___ S.Y. ___" Concrete Gutter	
___ S.Y. ___" Sidewalk	
113.9 C.Y. Excavation	
19.4 C.Y. Embankment	
___ Lbs. Reinforcing Steel	
232.4 S.Y. Mulching	
2.9 Tons Lime or Cement	
___ S.Y. V.G. ___" Concrete & ___" Asphaltic Concrete Base	

17TH STREET

7/11 7/14

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Surveyed by D.L.K.-S.T.
Plan Approved
Lines
Checked

Scale: 1" = 20'

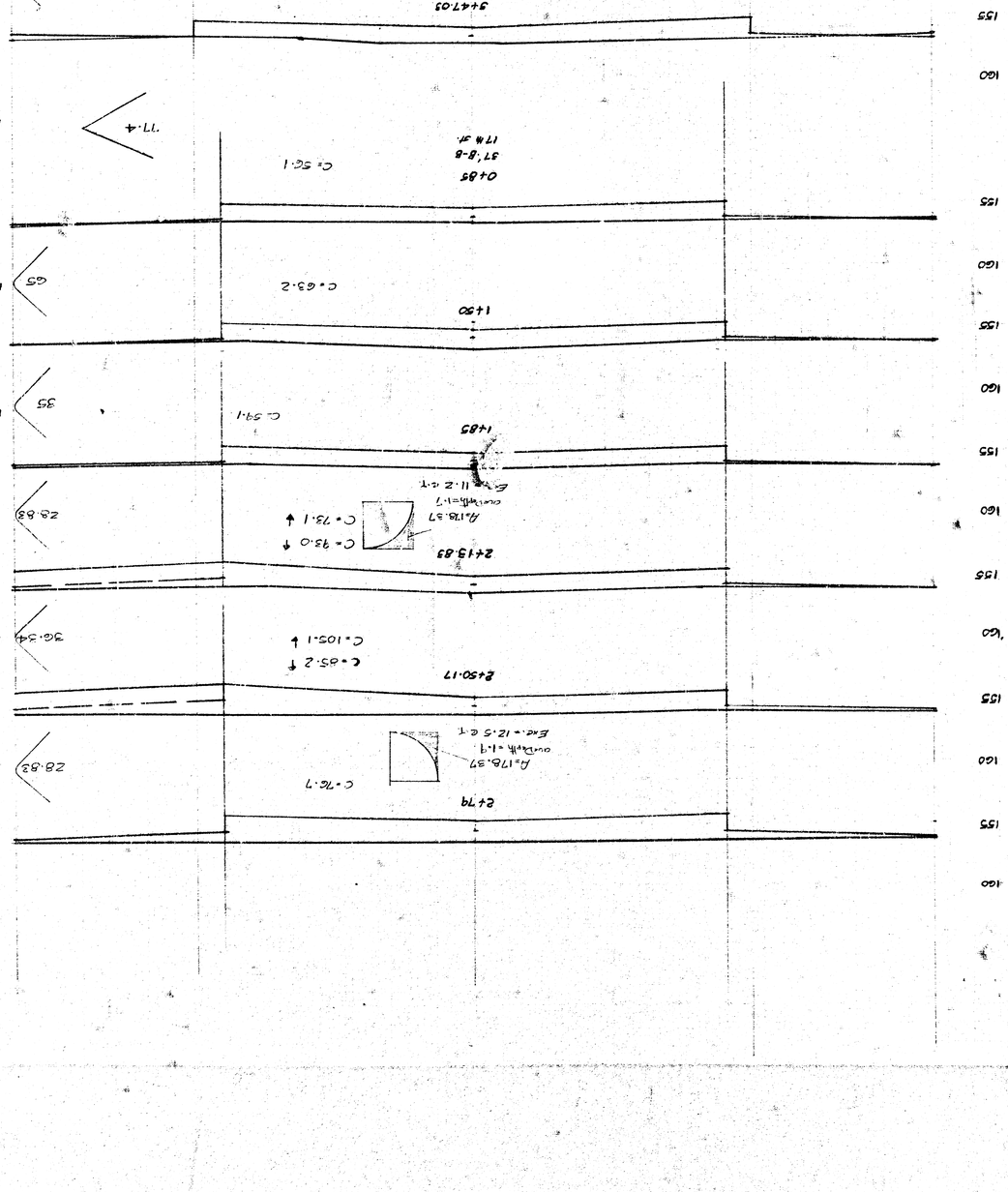
17TH ST· COURTS

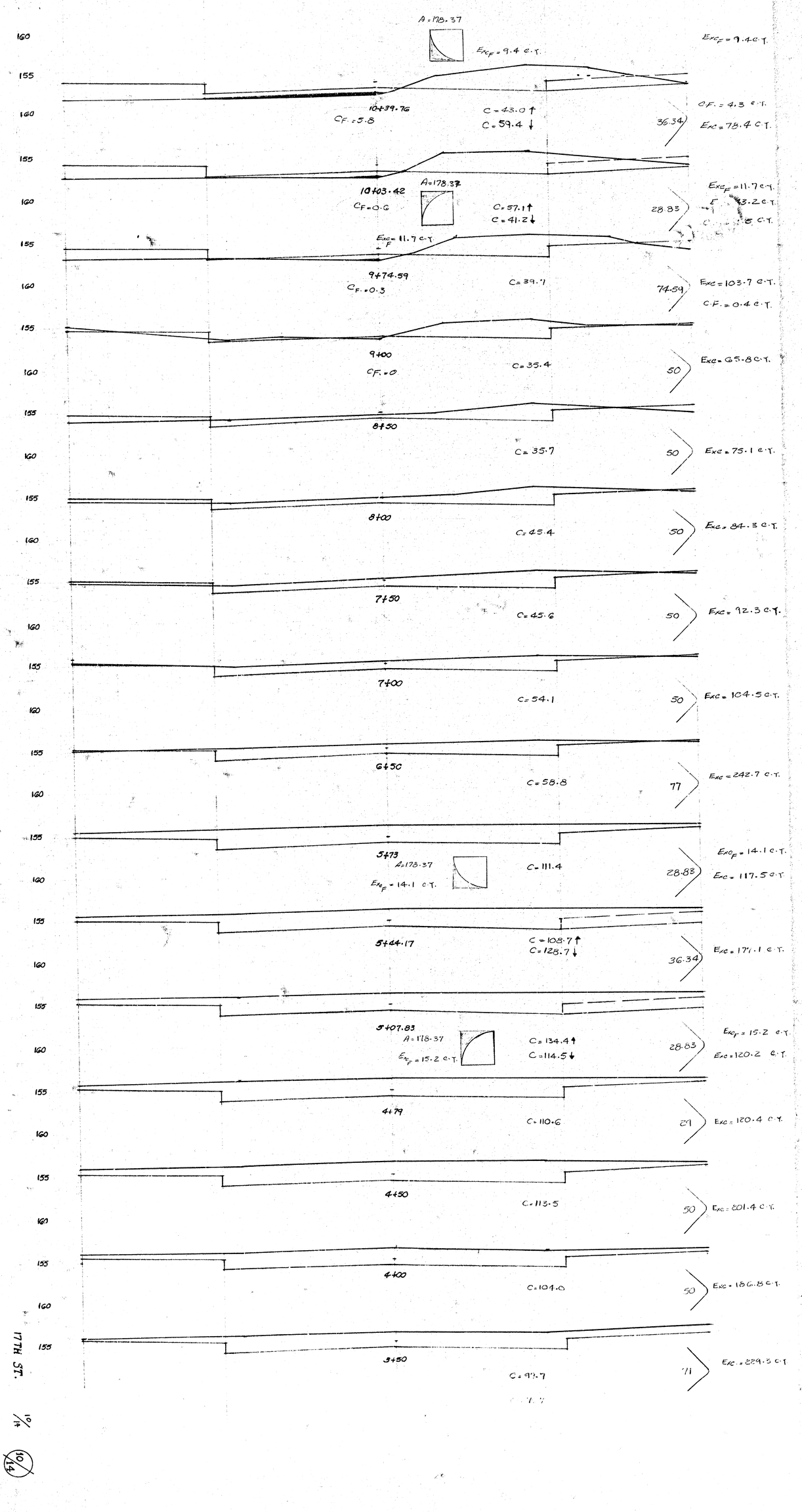
LOTS 28 Thr· 34
LOTS 21 Thr· 27

8/14

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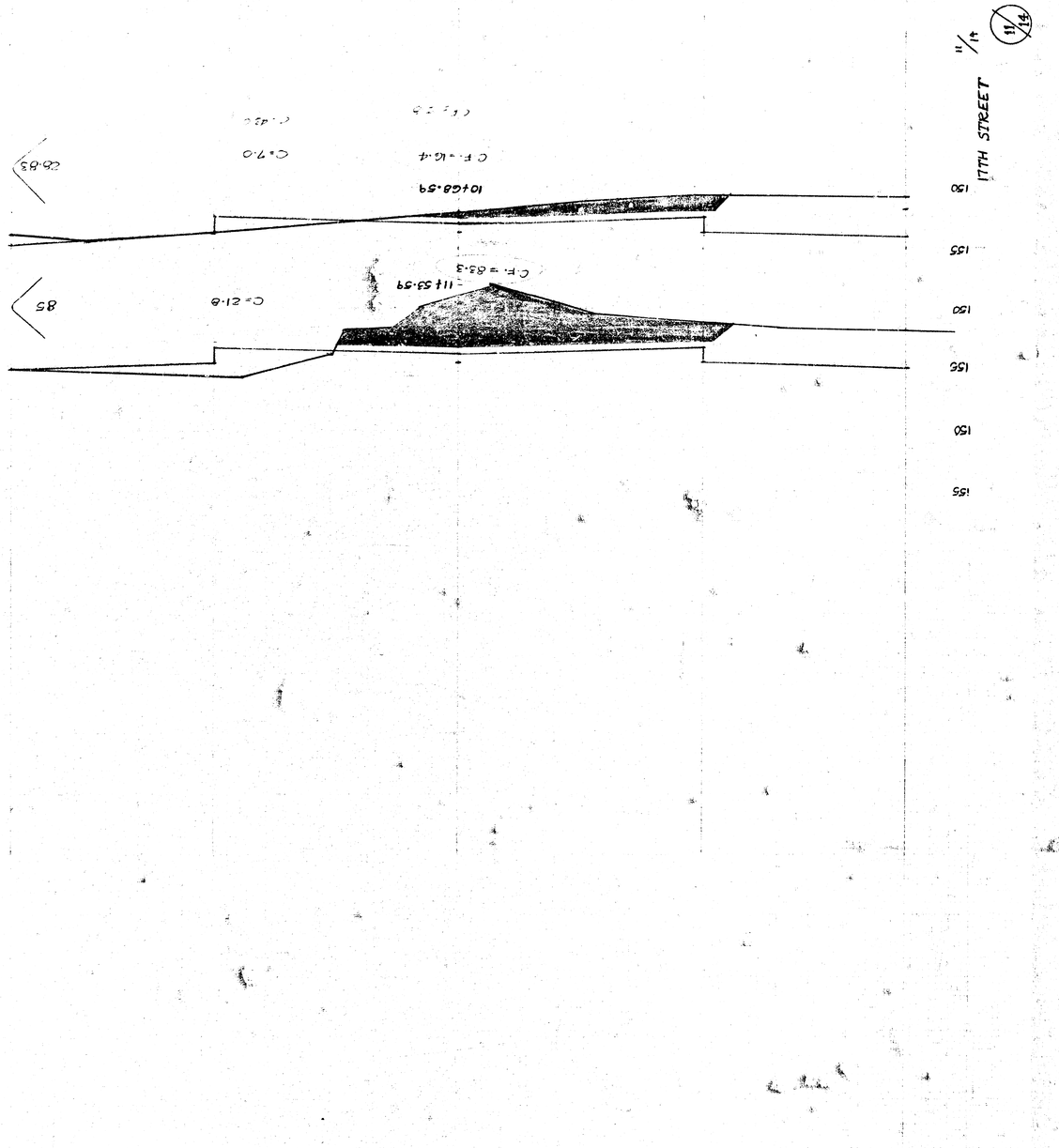




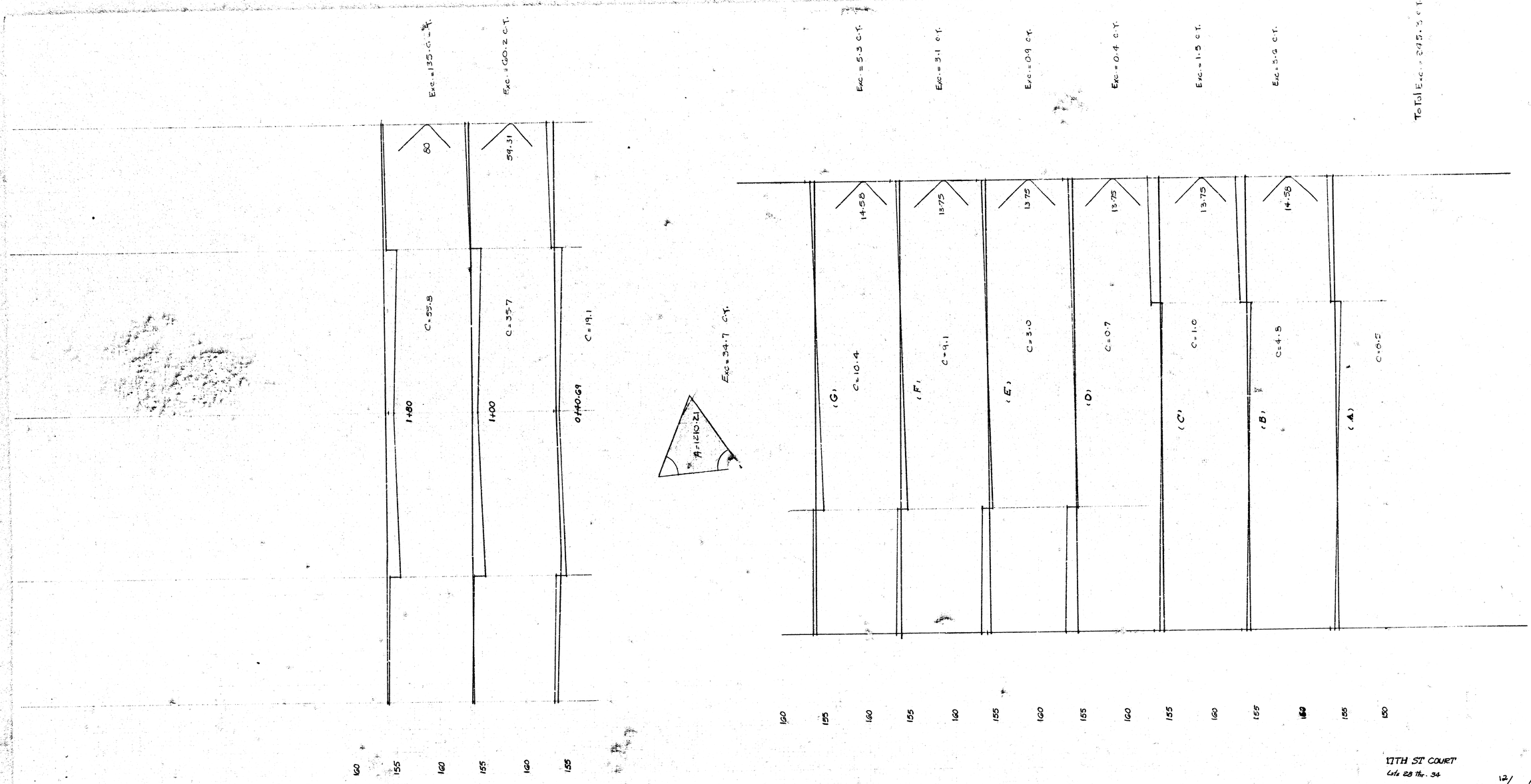
17TH ST.

10/14

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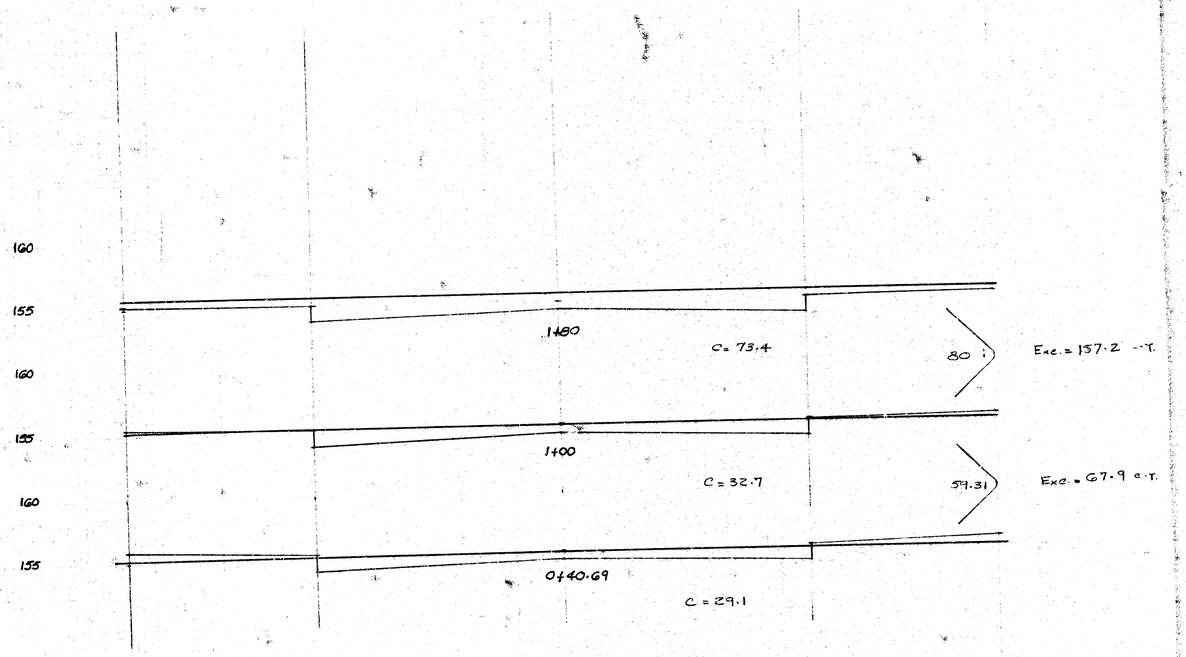
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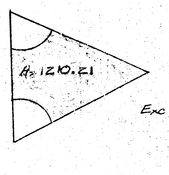


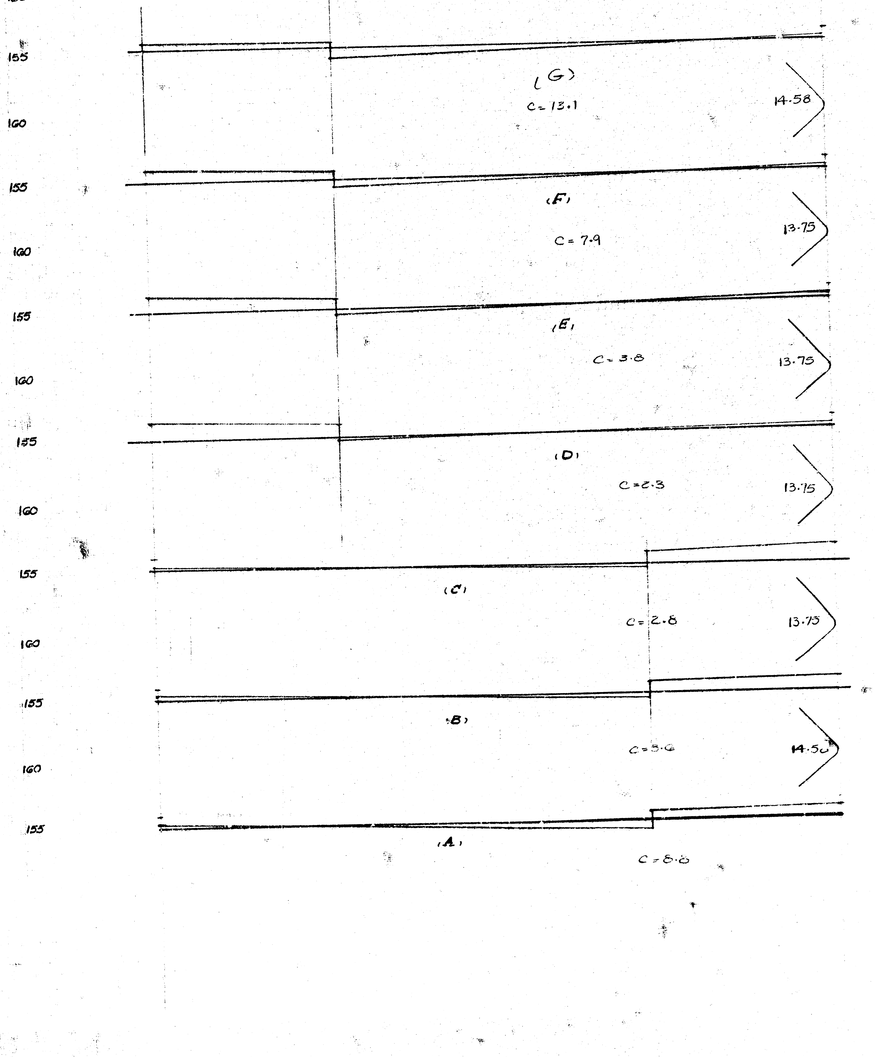
11TH ST COURT
Lots 28 thr. 34

12/14

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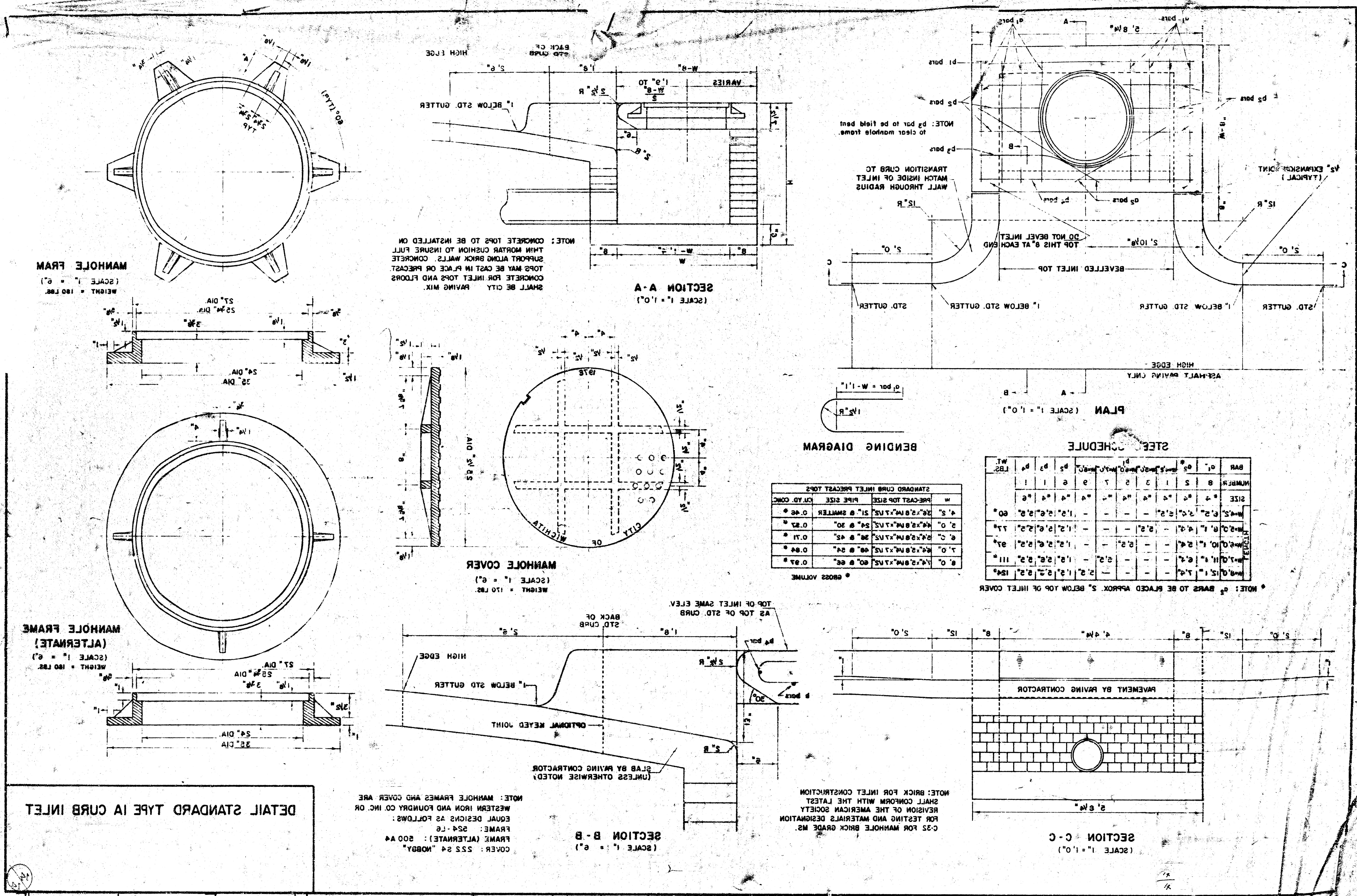


TOTAL Exc.= 281.9 c.y.

FILMED FROM THE BEST

17TH ST. COURT
Lots 21 thr. 27

13/14



STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

STEEL SCHEDULE

BAR	a_1	a_2 *	b_1 W=4'2"	b_1 W=5'0"	b_1 W=6'0"	b_1 W=7'0"	b_1 W=8'0"	b_2	b_3	b_4	WT. LBS.
NUMBER	8	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'2"	6'5"	3'4"	5'5"	–	–	–	–	1'5"	5'6"	5'5"	60*
LENGTH W=5'0"	6'1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77*
LENGTH W=6'0"	10'1"	5'4"	–	–	5'5"	–	–	1'5"	5'6"	5'5"	97*
LENGTH W=7'0"	11'1"	6'4"	–	–	–	5'5"	–	1'5"	5'6"	5'5"	111*
LENGTH W=8'0"	12'1"	7'4"	–	–	–	–	5'5"	1'5"	5'5"	5'5"	124*

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

DETAIL STANDARD TYPE 1A CURB INLET

15 1 5 14

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