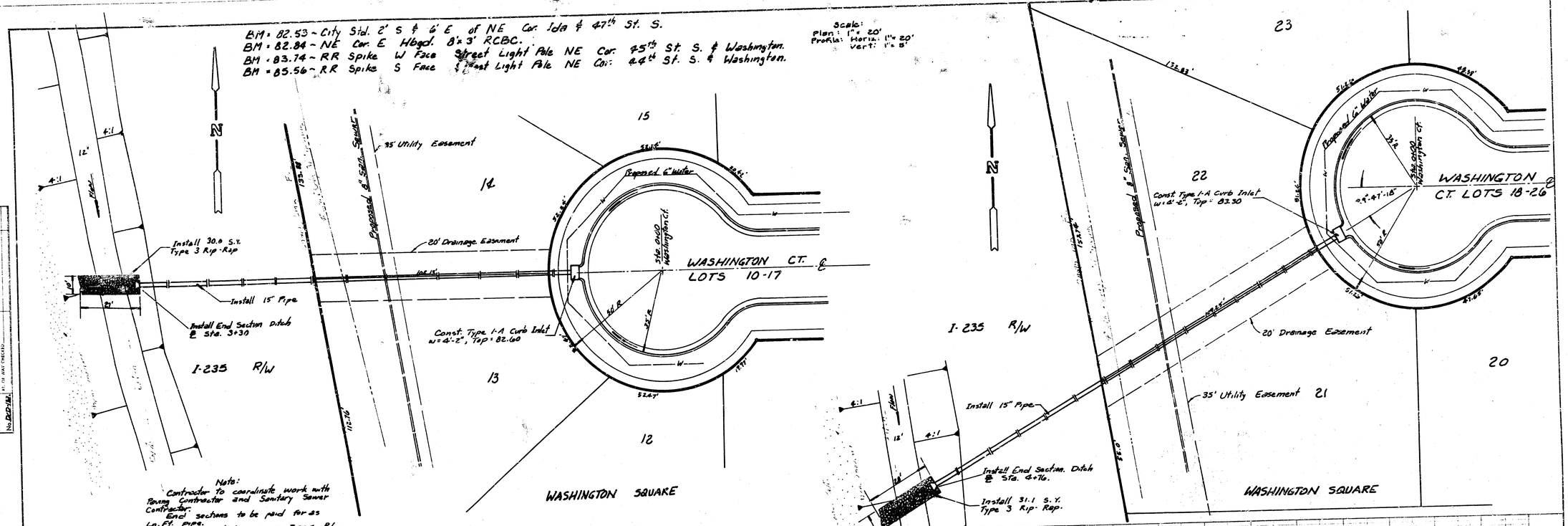
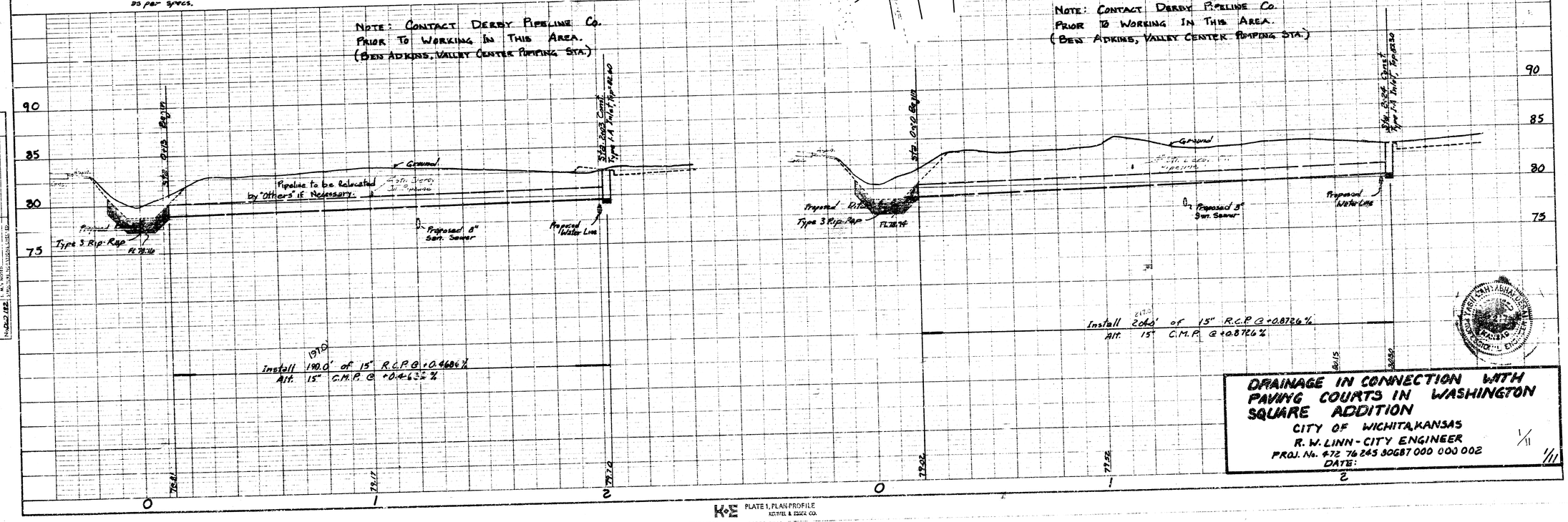
BM = 82.53 - City Std. 2' S & 6' E of NE Cor. Ida & 47th St. S.
BM = 82.84 - NE Cor. E Hdgd. 8"x3' RCBC.
BM = 83.74 - RR Spike W Face Street Light Pole NE Cor. 45th St. S. & Washington.
BM = 85.56 - RR Spike S Face Street Light Pole NE Cor. 44th St. S. & Washington.

Scale:
Plan: 1" = 20'
Profile: Horiz: 1" = 20'
Vert: 1" = 5'



Note:
Contractor to coordinate work with Paving Contractor and Sanitary Sewer Contractor.
End sections to be paid for as Ln. Ft. pipe.
Seed disturbed areas in I-235 R/W as per specs.

NOTE: CONTACT DERBY PIPELINE CO. PRIOR TO WORKING IN THIS AREA. (BEN ADKINS, VALLEY CENTER PUMPING STA.)

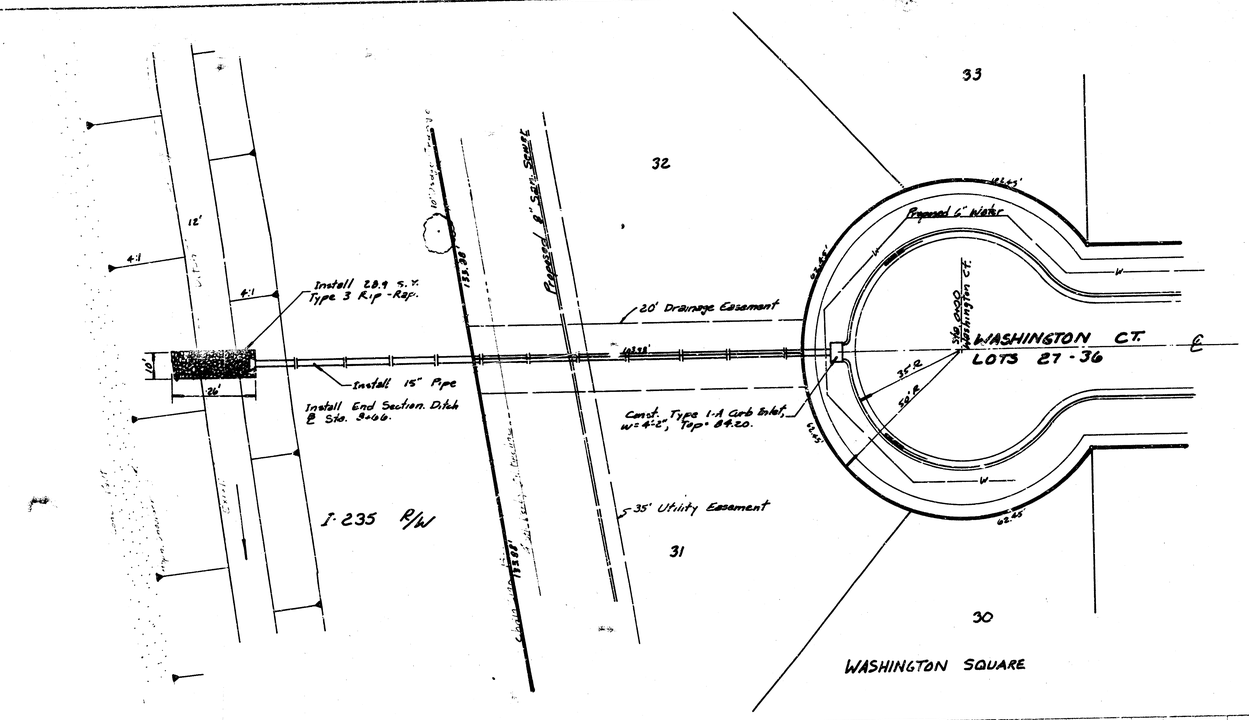


DRAINAGE IN CONNECTION WITH PAVING COURTS IN WASHINGTON SQUARE ADDITION
CITY OF WICHITA, KANSAS
R. W. LINN - CITY ENGINEER
PROJ. No. 472 76 245 80687 000 000 002
DATE:

1/11

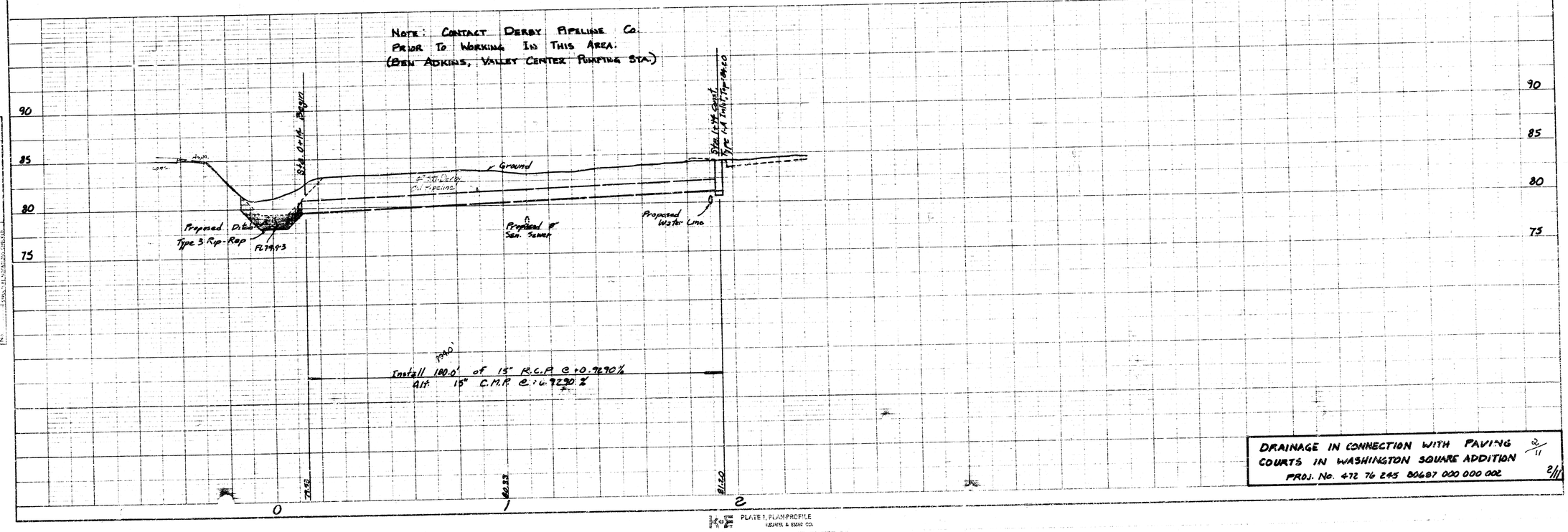
PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

FILMED FROM THE BEST AVAILABLE COPY



SCALE:
PLAN: 1"= 20'
PROFILE: HORIZ: 1"=20'
VERT: 1"= 5'

NOTE: CONTACT DERBY PIPELINE CO. PRIOR TO WORKING IN THIS AREA. (BEN ADKINS, VALLEY CENTER PUMPING STA.)



DRAINAGE IN CONNECTION WITH PAVING COURTS IN WASHINGTON SQUARE ADDITION
PROJ. No. 472 76 245 80687 000 000 002

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

48 7026 MADE IN U.S.A.

FILMED FROM THE BEST AVAILABLE COPY

SCALE:
PLAN: 1" = 20'
PROFILE: HORIZ: 1" = 20'
VERT: 1" = 5'

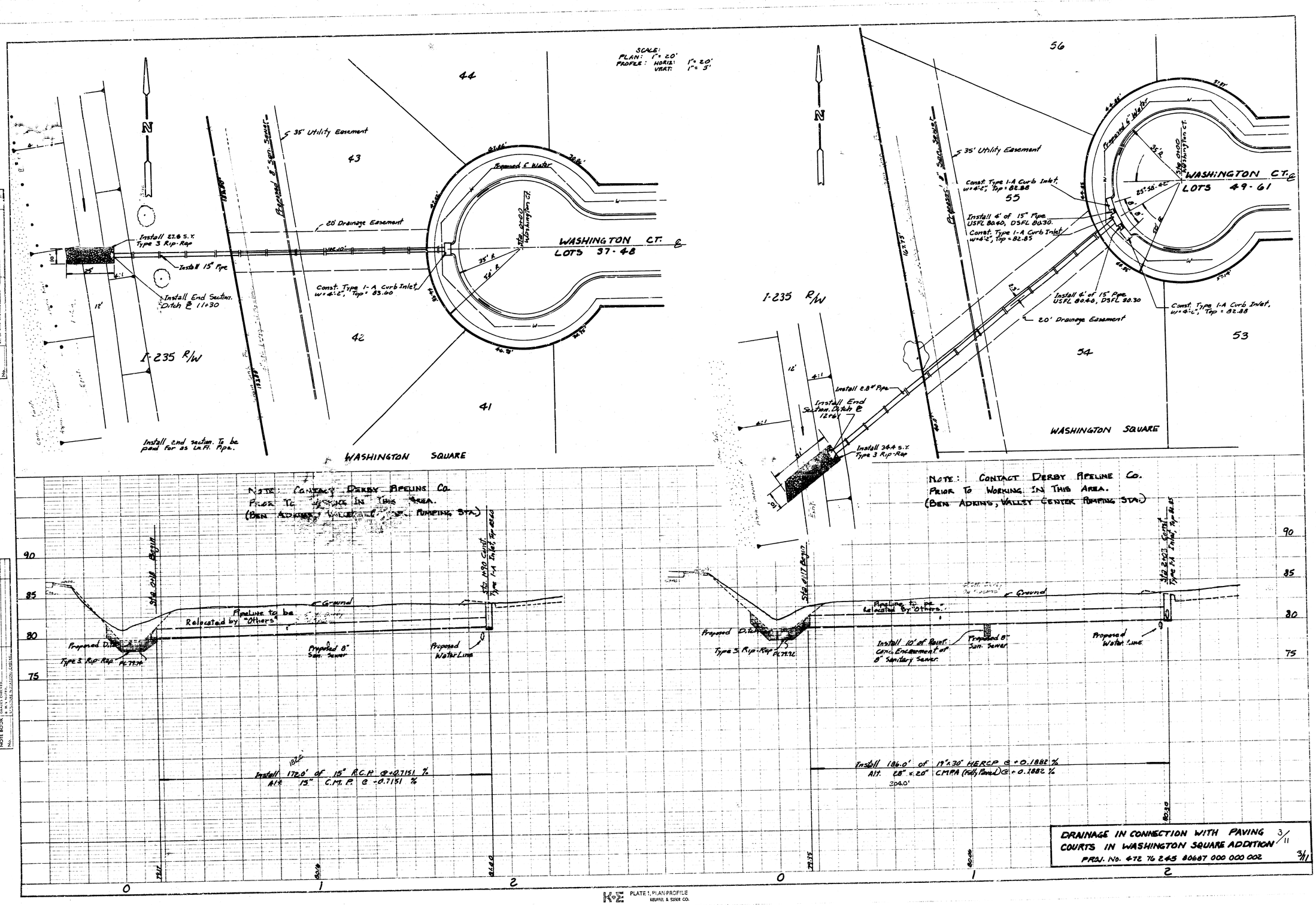


PLATE 1, PLAN PROFILE
KEUFFEL & ESSER CO.

FILMED FROM THE BEST AVAILABLE COPY

Scale:
Plan: 1" = 20'
Profile: Horiz.: 1" = 20'
Vert.: 1" = 5'

N

PLAN
NOTE BOOK No.
SURVEYED
PLOTTED
HORIZ. CHECKED
VERT. CHECKED
BY OR WHOM CHECKED

PROFILE
NOTE BOOK No.
SURVEYED
PLOTTED
HORIZ. CHECKED
VERT. CHECKED
BY OR WHOM CHECKED

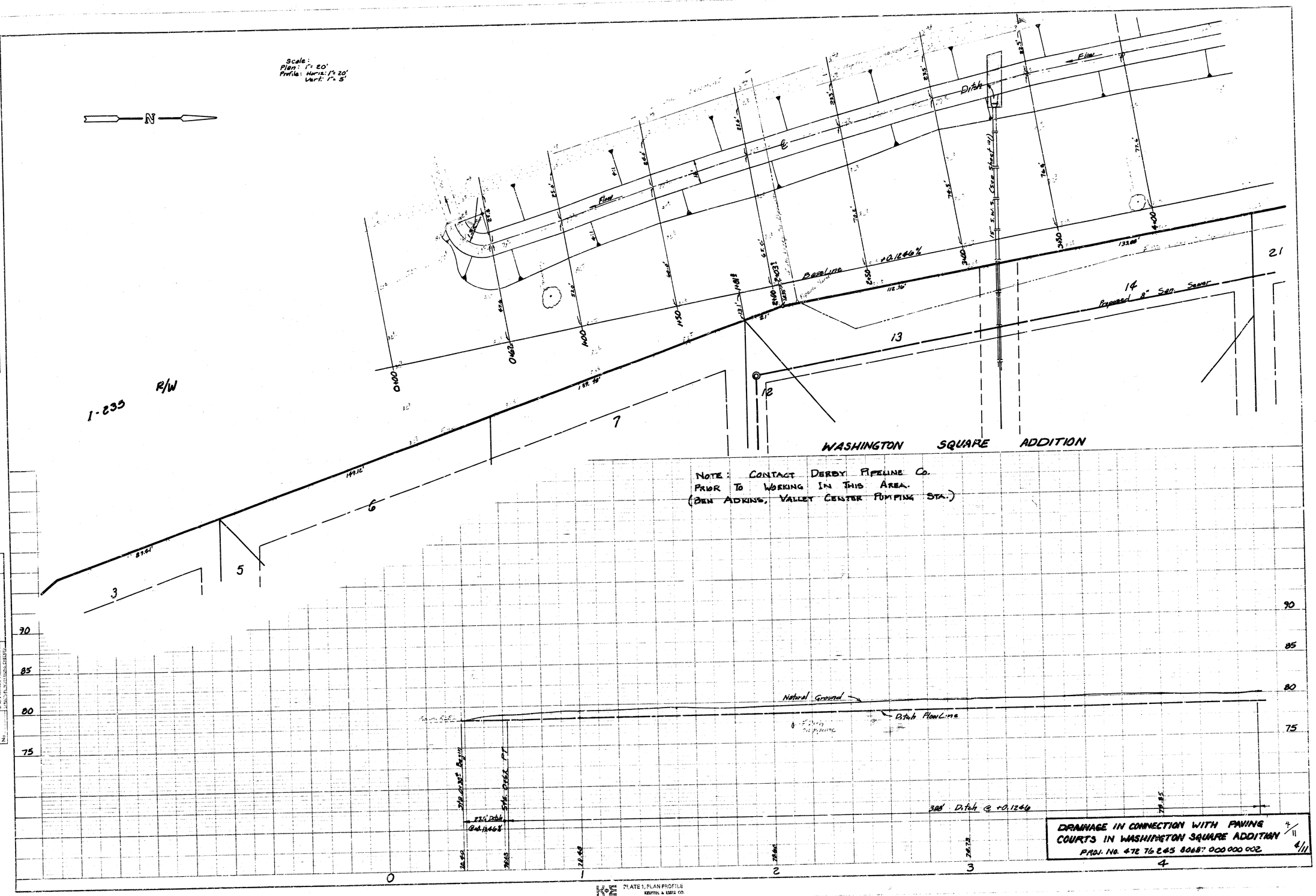
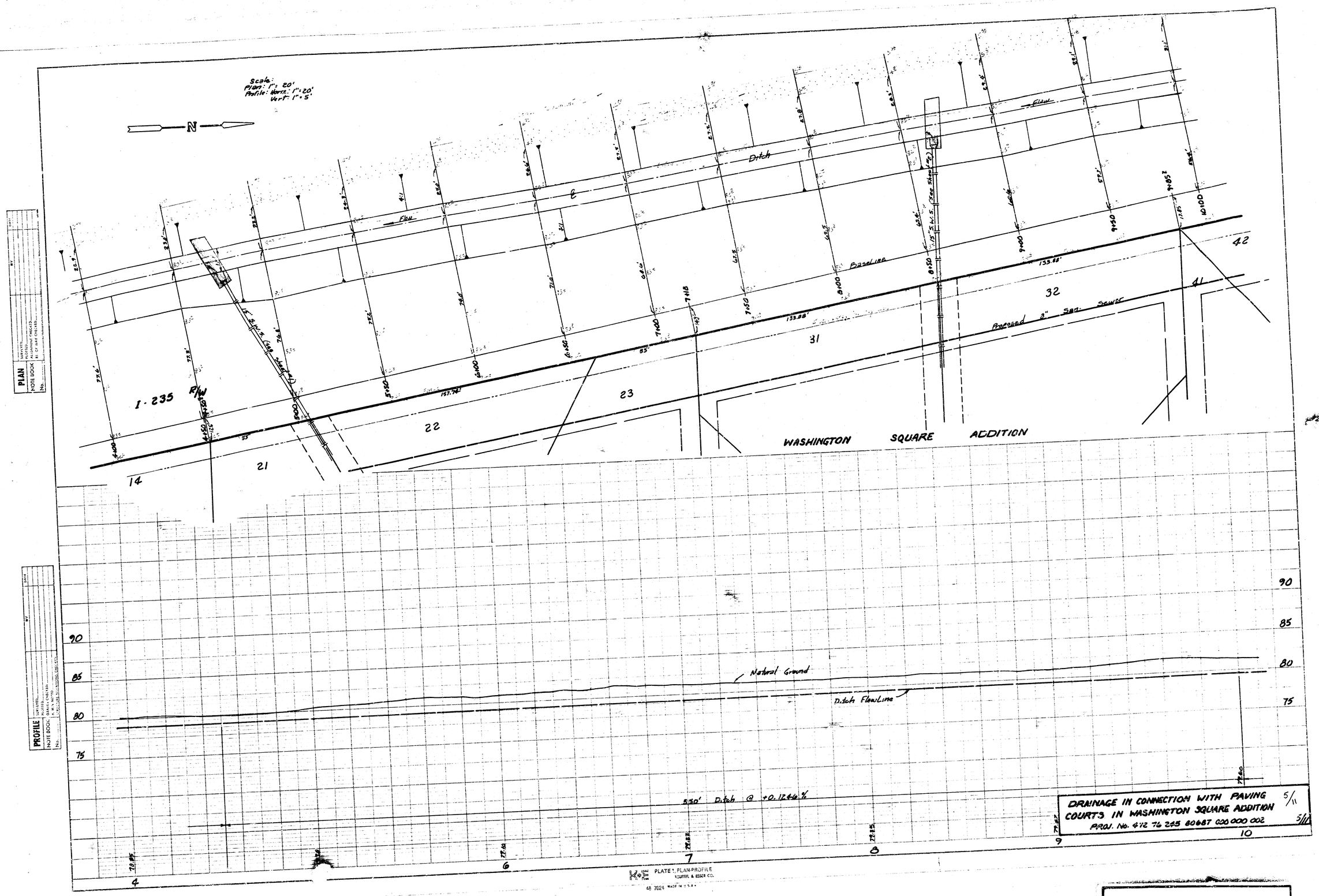


PLATE 1, PLAN PROFILE
KEUFFEL & ESSER CO.
48 1024 MADE IN U.S.A.

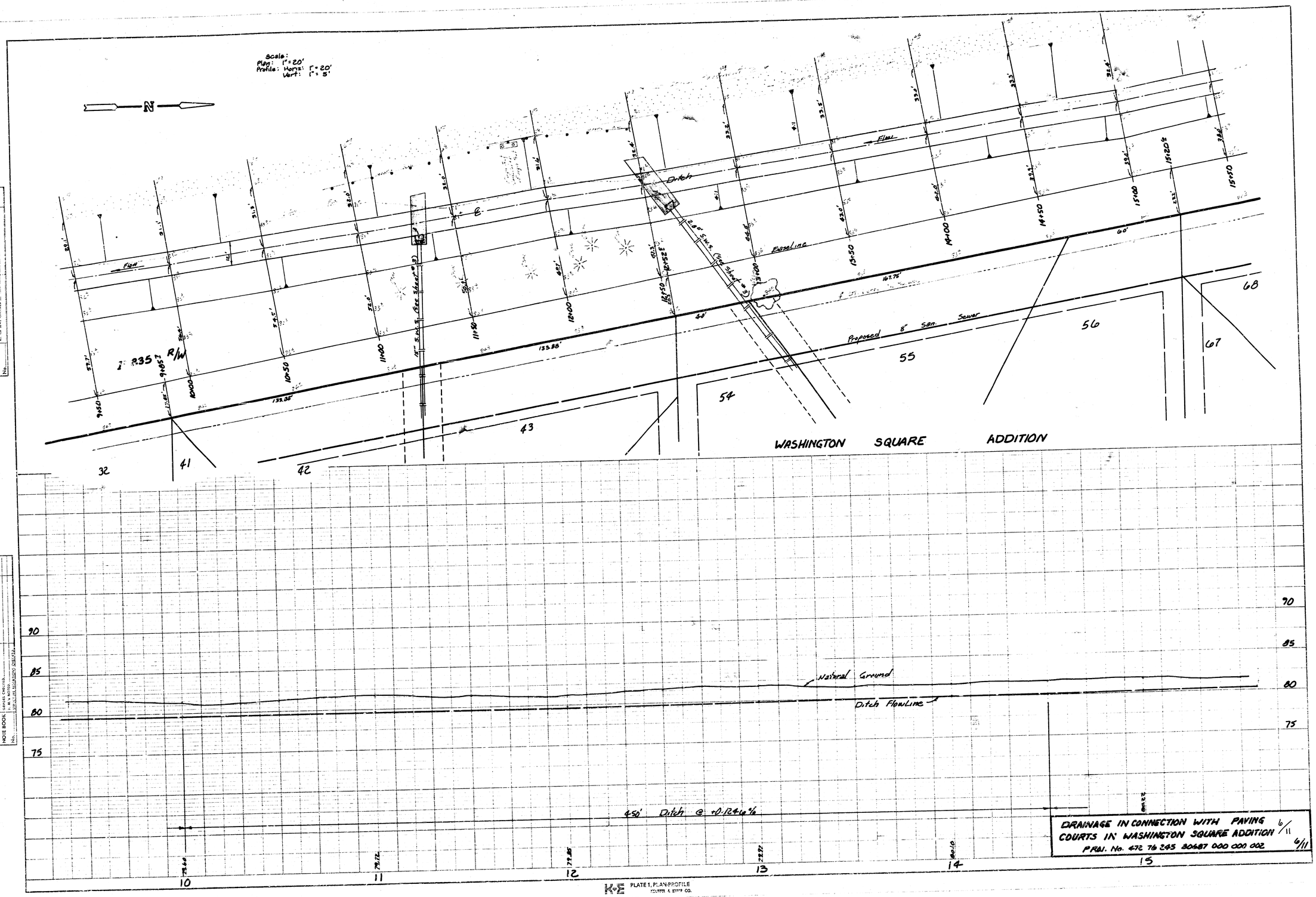
FILMED FROM THE BEST



PLAN
NOTE BOOK
No.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. CHECKED
AS OF JULY CHECKED

PROFILE
NOTE BOOK
No.
SURVEYED
PLOTTED
GRADES CHECKED
R.O.W. NOTED
LOCATION SUBSURFACE DATA

FILMED FROM THE BEST AVAILABLE COPY ....


Scale:
Plan: 1" = 20'
Profile: Horiz: 1" = 20'
Vert: 1" = 5'
N
Flow
Ditch
Flow
Flowline
2.0 c.f.s. (See Sheet #3)
15" S.W.S. (See Sheet #3)
Proposed 8" San. Sewer
R/W
WASHINGTON SQUARE ADDITION
32
41
42
43
54
55
56
67
68
Natural Ground
Ditch Flowline
450' Ditch @ +0.1246%
DRAINAGE IN CONNECTION WITH PAVING COURTS IN WASHINGTON SQUARE ADDITION
PRAI. No. 472 76 245 20687 000 000 002
6/11
PLATE 1, PLAN-PROFILE
KOPPER & STAFF CO.
PLAN
PROFILE
NOTE BOOK
SURVEYED
PLOTTED
CHECKED
AS AS NOTED
FILMED FROM THE BEST AVAILABLE COPY ....

Scale:
Plan: 1" = 20'
Profile: Horiz: 1" = 20'
Vert: 1" = 5'

N

ALFALFA ST.

I-235 R/W

℄ Ditch

Flow

Baseline

14+50

13+00

15+20.5

13+50

13+62.5

133.88'

133.88'

104.30'

30.62'

83

69

68

56

Proposed 8" San. Sewer

WASHINGTON SQUARE ADDITION

43rd ST. S.

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK
No.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.W.S. No. 110
LOCATION & DESIGN SECTION
NOTE BOOK
No.

90
85
80
75

Natural Ground

Ditch Flowline

Fence Line

113' Ditch @ +0.246%

236' Ditch @ +1.541%

PC Sta. 14+23

Sta. 15+46.5

15

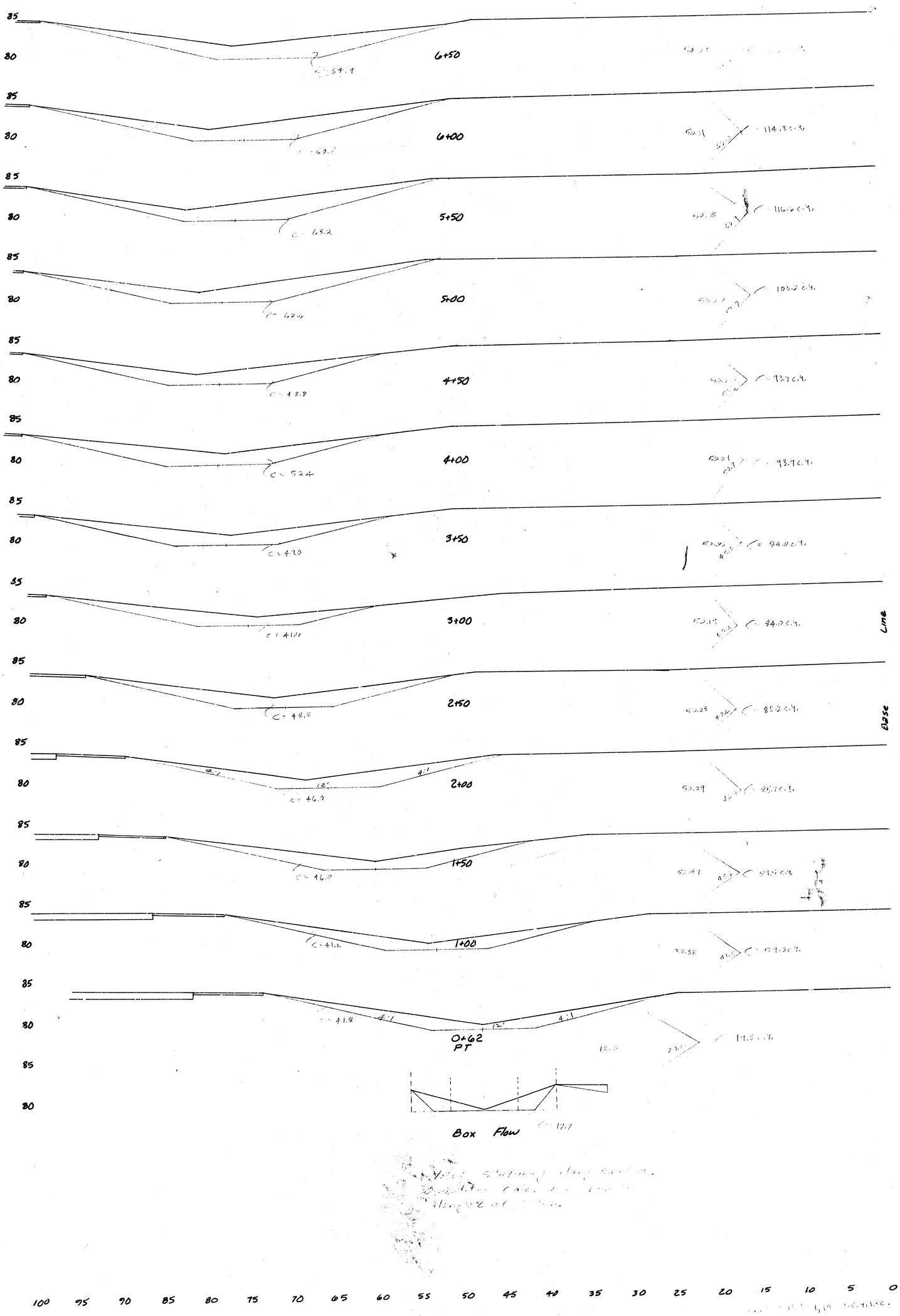
16

DRAINAGE IN CONNECTION WITH PAVING COURTS IN WASHINGTON SQUARE ADDITION
PROJ. No. 472 76 265 80687 000 000 002

7/11

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
46 7024 MADE IN U.S.A.

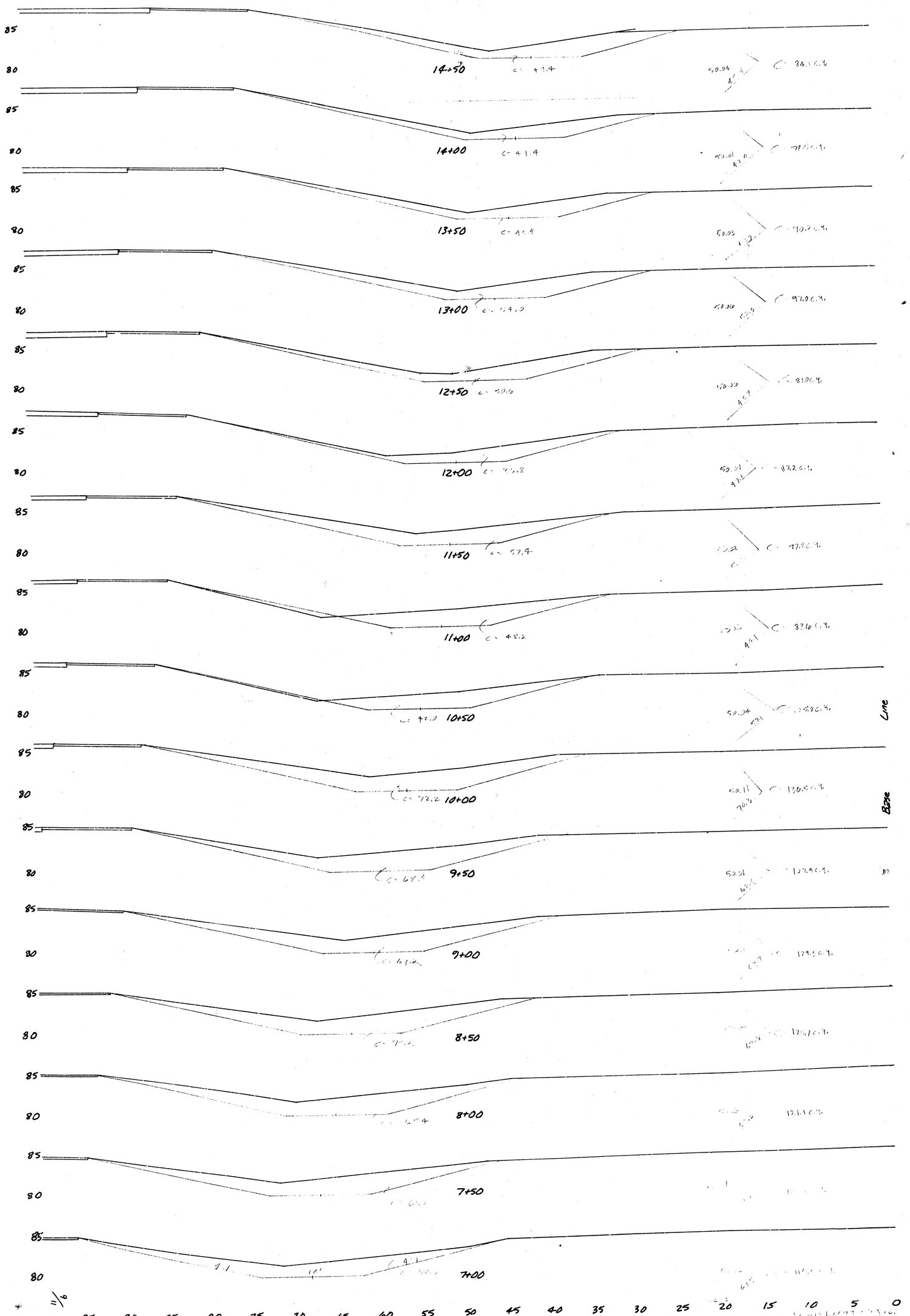
FILMED FROM THE BEST AVAILABLE COPY



11/8

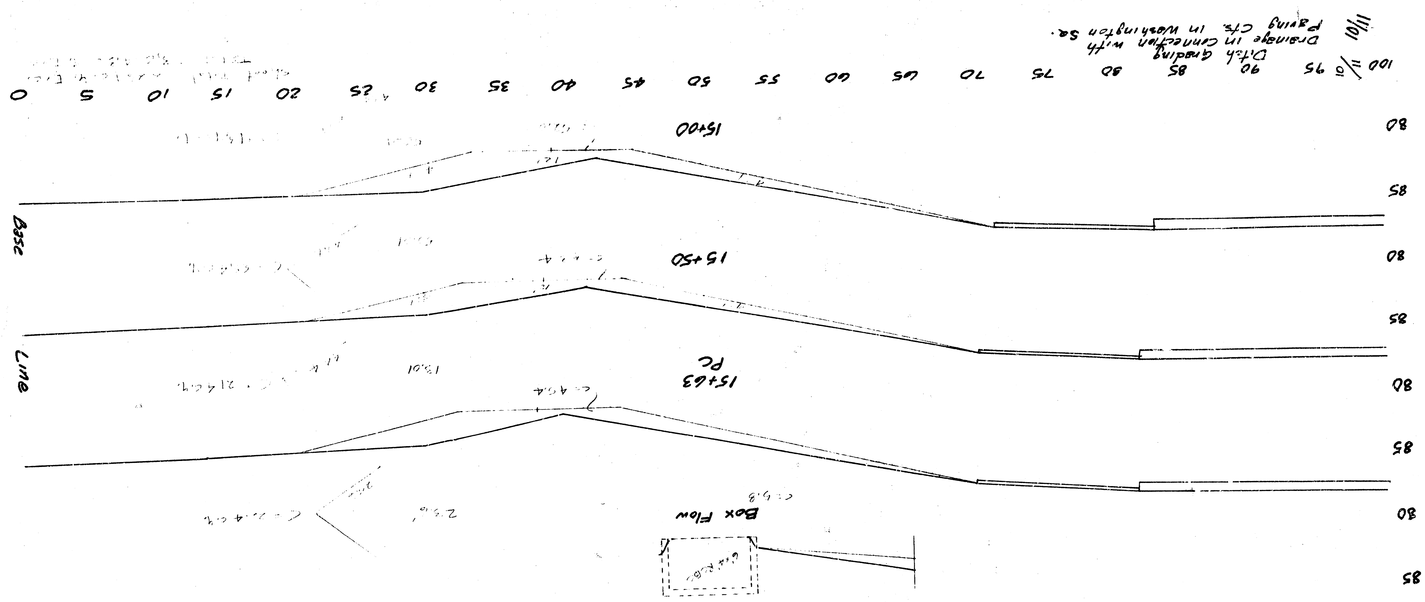
11/8 Ditch Grading
Drainage in Connection with
Paving Cts. in Washington Sq.

FILMED FROM THE BEST

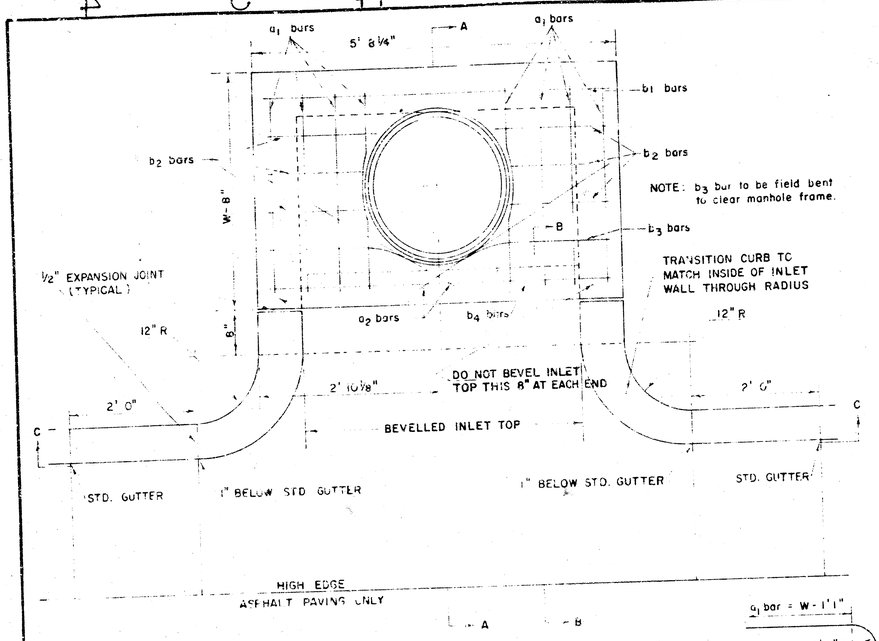


Ditch Grading
Drainage in Connection with
Paving Cts. in Washington Sq.

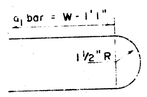
FILMED FROM THE BEST



FILMED FROM THE BEST
AVAILABLE COPY



PLAN (SCALE 1" = 1' 0")



BENDING DIAGRAM

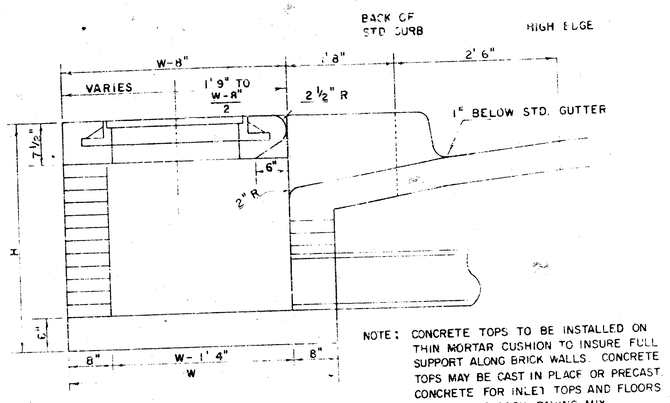
STEEL SCHEDULE

BAR		a_1	a_2*	b_1 W=4'2"	W=5'0"	W=6'0"	W=7'0"	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	#2	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W=4'2"	6' 5"	3' 4"	5' 0"	-	-	-	-	1' 5"	5' 6"	5' 5"	60*
	W=5'0"	8' 1"	4' 4"	-	5' 5"	-	-	-	1' 5"	5' 6"	5' 5"	77*
	W=6'0"	10' 1"	5' 4"	-	-	5' 5"	-	-	1' 5"	5' 6"	5' 5"	97*
	W=7'0"	11' 1"	6' 4"	-	-	-	5' 5"	-	1' 5"	5' 6"	5' 5"	111*
	W=8'0"	12' 1"	7' 4"	-	-	-	-	15' 5"	1' 5"	5' 6"	5' 5"	124*

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

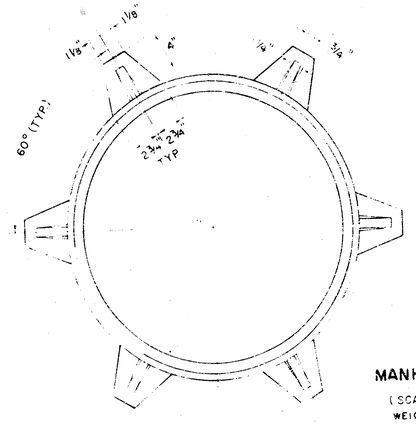
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC
4' 2"	36"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	44"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	54"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	64"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	74"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

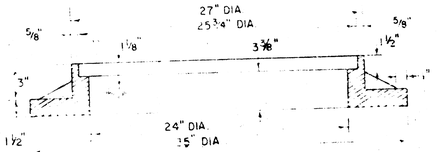


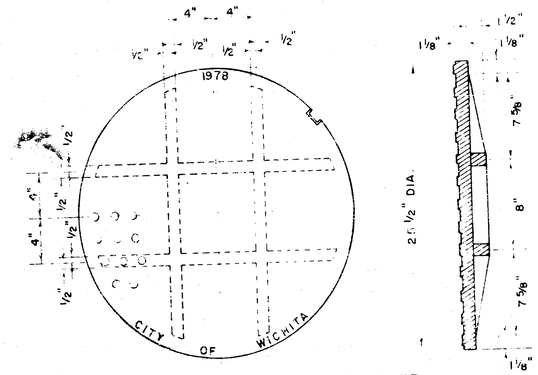
SECTION A-A
(SCALE 1" = 1' 0")

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN 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 6-SACK PAVING MIX.

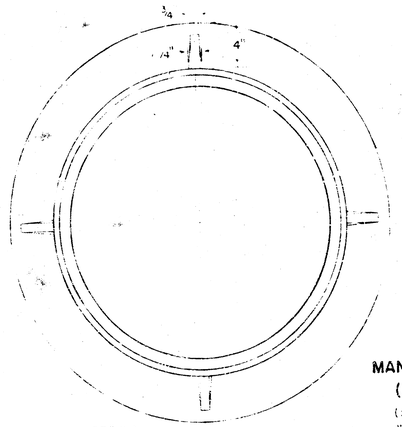


MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.

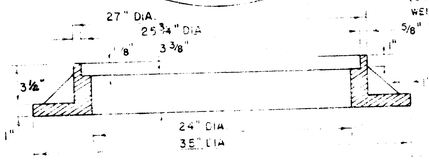


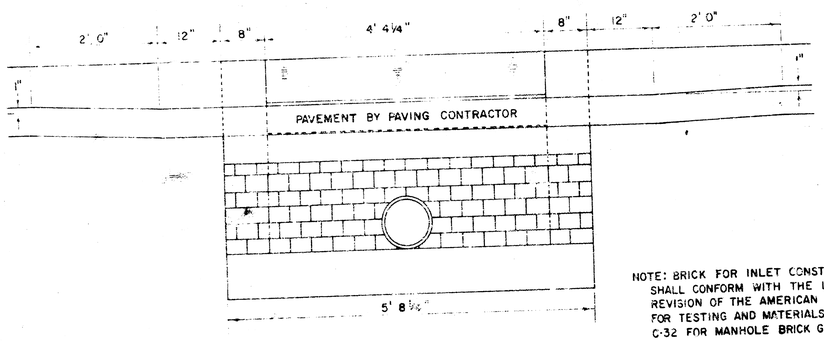


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



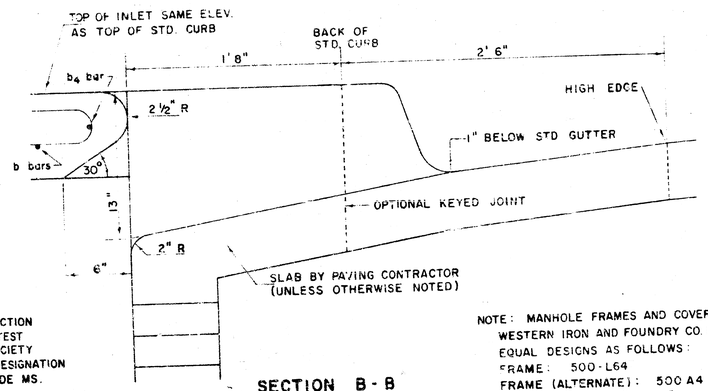
MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.





SECTION C-C
(SCALE 1" = 1' 0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.



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

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL. DESIGNS AS FOLLOWS:
FRAME: 500-L64
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
R. W. LINN — CITY ENGINEER
OCTOBER 1978

FILMED FROM THE BEST