STORM WATER SEWER NO. 227

RIVERSIDE FOURTH ADDITION

GENERAL NOTES

1.) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS, AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT.

2.) THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERANCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.

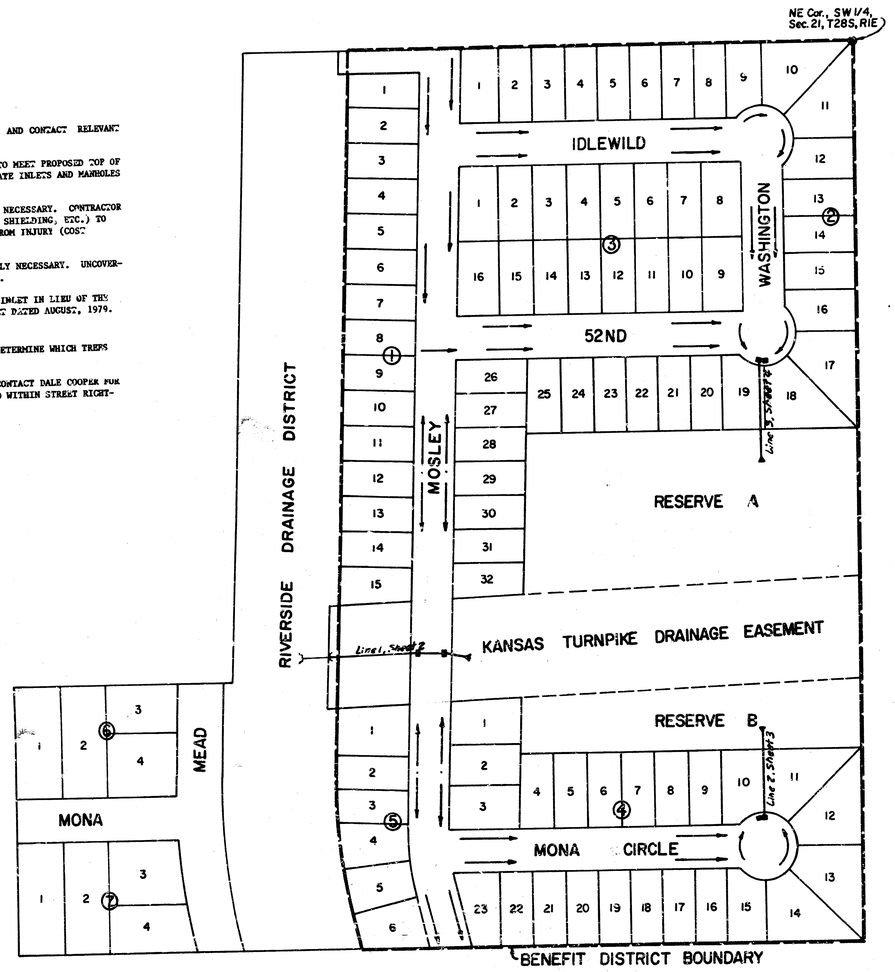
3.) THE CONTRACTOR SHALL AVOID REMOVING ANY TREES UNLESS IT IS ABSOLUTELY NECESSARY. CONTRACTOR IS TO TAKE WHATEVER PRECAUTION THE ENGINEER DEEMS NECESSARY (SHORING, SHIELDING, ETC.) TO INSURE THAT THE TREES IN THE VICINITY OF CONSTRUCTION ARE PROTECTED FROM INJURY (COST INCIDENTAL TO PROJECT).

4.) CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.

5.) CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1A CURB INLET IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1A CURB INLET DATED AUGUST, 1979.

6.) CONTRACTOR TO CONTACT DALE COOPER, ROBBINS REALTY, AT 522-1587, TO DETERMINE WHICH TREES WITHIN POND SITE ARE TO BE SAVED AND WHICH TREES CAN BE REMOVED.

7.) ALL EXCESS EXCAVATED MATERIAL IS TO REMAIN ON SITE. CONTRACTOR TO CONTACT DALE COOPER FOR LOCATION TO DISPOSE OF EXCESS MATERIAL. NO MATERIAL IS TO BE SPREAD WITHIN STREET RIGHT-OF-WAY.



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Scale: 1"=100'

Sheet No.	Index
1	Cover Sheet
2-4	SWS Plan & Profile
5	Detention Reservoir
6	Type IA Inlet
7	Cross Sections

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY MONUMENTS. THE CONTRACTOR SHALL BE LIABLE TO RE-ESTABLISH ANY PROPERTY MONUMENTS WHICH ARE DAMAGED OR DESTROYED DURING CONSTRUCTION. ALL MONUMENTS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

8206

R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER
CITY OF WICHITA, KANSAS
PROJECT NO. 468 76 245 81088 000 000 001

DATE: _____

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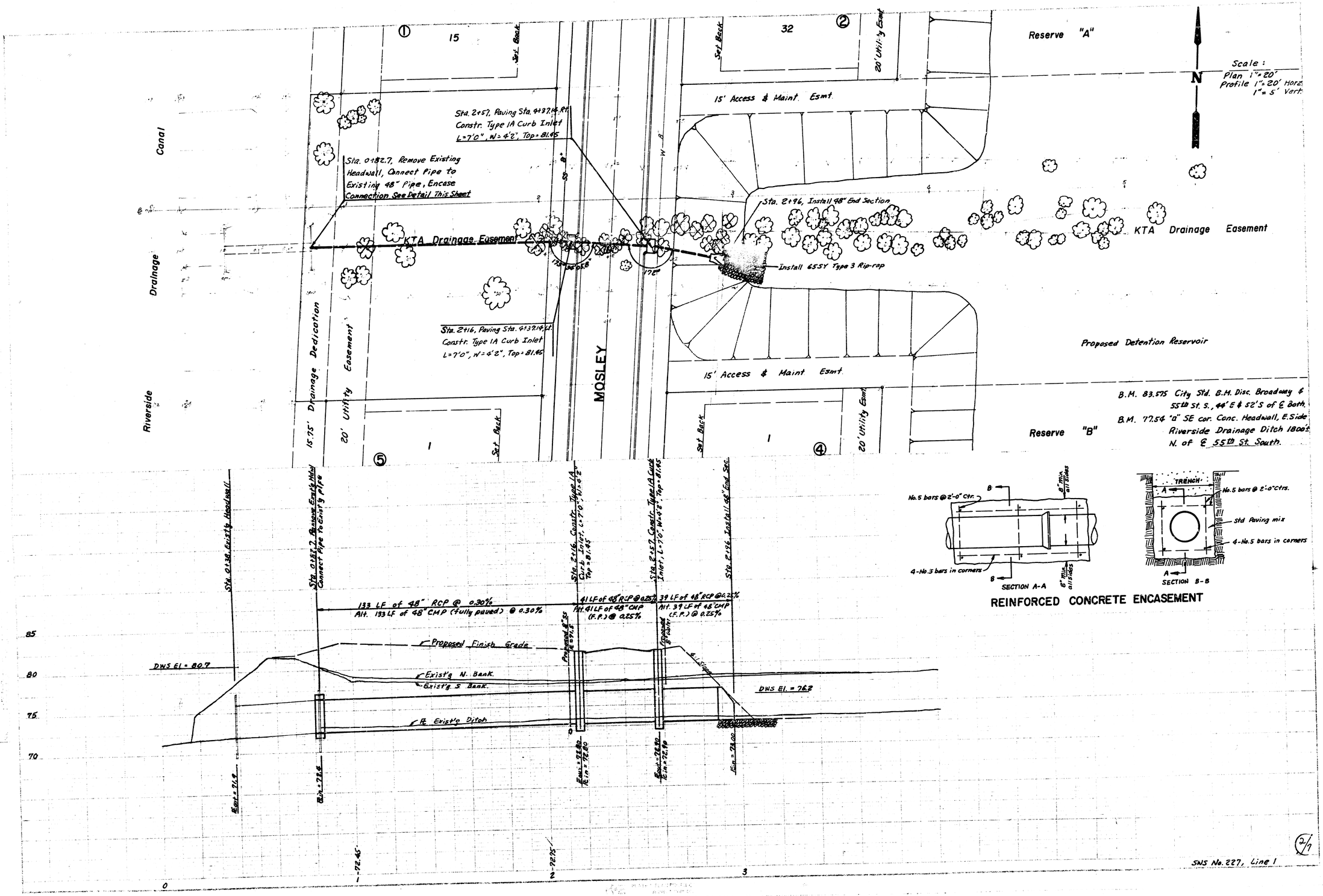

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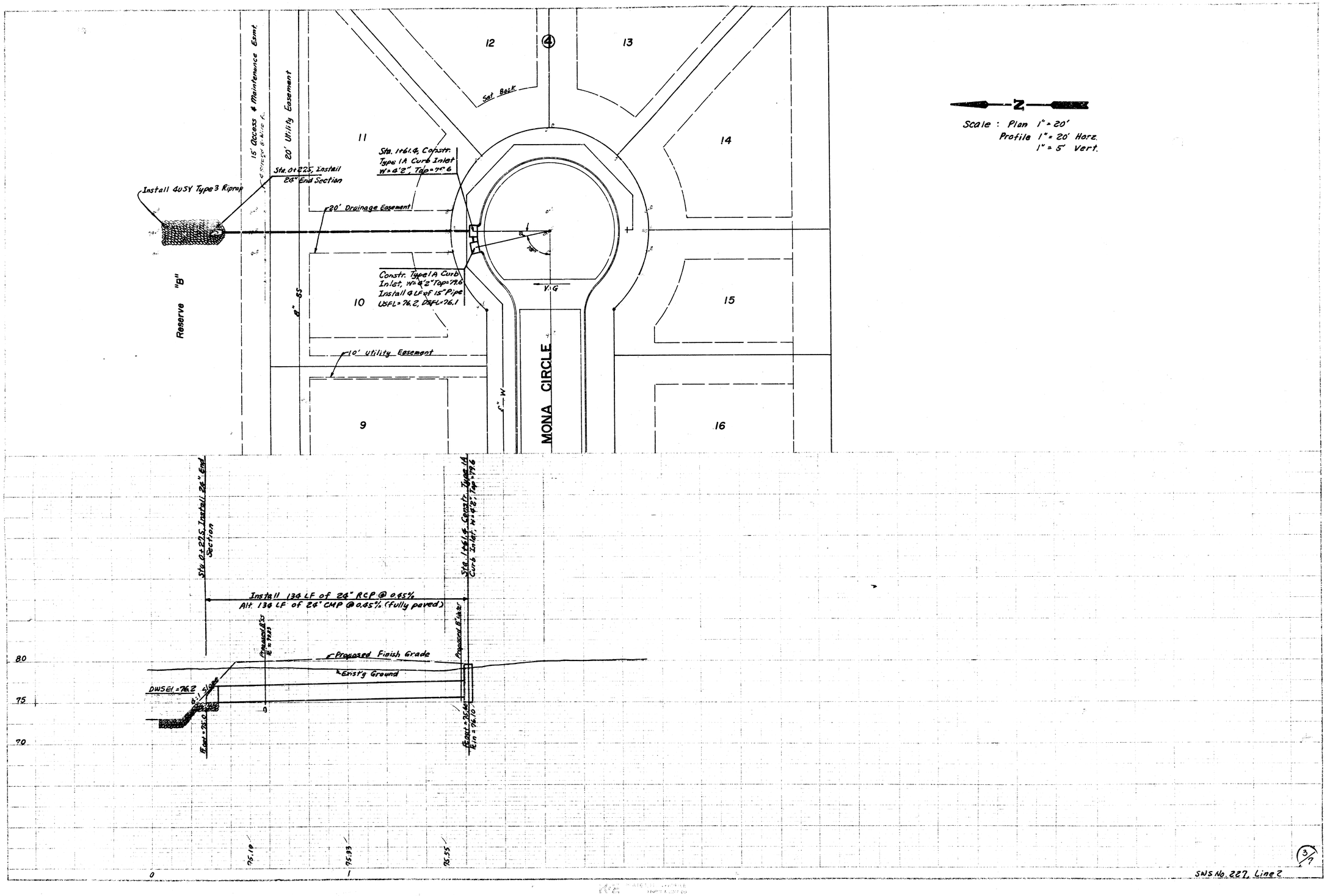

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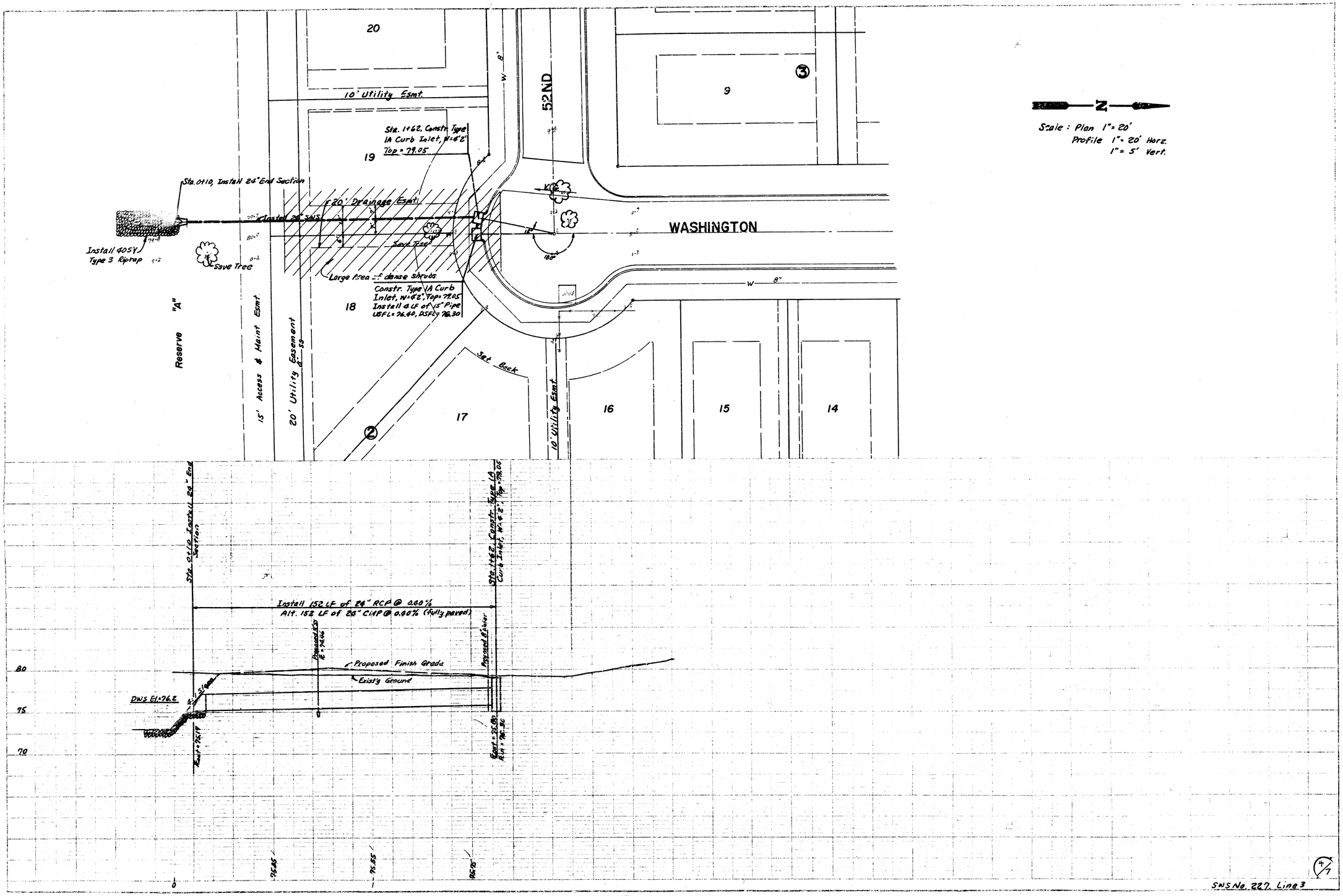

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SWS No. 227, Detention Reservoir

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DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

R.M. BROSSEAU, DIRECTOR OF ENGINEERING/
CITY ENGINEER

JUNE, 1981

(1) Issue 2-15-91

SECTION C - C

(SCALE $1_n = 1,0_n$)

C-25 FOR MANHOLE BRICK GRADE MS.
FOR TESTING AND MATERIALS DESIGNATION
REVISION OF THE AMERICAN SOCIETY
SHALL CONFORM WITH THE LATEST
NOTE: BRICK FOR INLET CONSTRUCTION

PAVEMENT BY PAVING CONTRACTOR

$2,8\frac{1}{2}$"

$S, 0_n$ $\quad 1S_n$ $\quad 8_n$ $\quad 4,4\frac{1}{2}$" $\quad 8_n$ $\quad 1S_n$ $\quad S, 0_n$

SECTION B - B

(SCALE $1_n = e_n$)

COVER: 555 24" "NOBA"
FRAME (ALTERNATE): 200 AA
FRAME: 254-LE
EQUAL DESIGNS AS FOLLOWS:
WESTERN IRON AND FOUNDRY CO INC OR
NOTE: MANHOLE FRAMES AND COVER ARE

(UNLESS OTHERWISE NOTED)
SLAB BY PAVING CONTRACTOR

OPTIONAL KEYED JOINT

e_n

1_n BELOW STD GUTTER

HIGH EDGE

S, e_n

$1, 8_n$ STD CURB BACK OF

AS TOP OF STD. CURB
TOP OF INLET SAME AREA

MANHOLE FRAME (ALTERNATE)

(SCALE $1_n = e_n$)

WEIGHT = 180 LBS.

MANHOLE COVER

(SCALE $1_n = e_n$)

WEIGHT = 170 LBS.

CITY OF WICHITA

STEEL SCHEDULE

* NOTE: a^5 BARS TO BE PLACED APPROX. 5_n BELOW TOP OF INLET COVER

BAR	NUMBER	SIZE	INCHES W=6,5	W=8,0	W=9,0	W=10,0	W=11,0	W=12,0	LBS. WT.
a^1	8	4_n	-	-	-	-	$2,2_n$	$2,2_n$	$1S4_n$
a^2	5	4_n	-	-	-	$2,2_n$	-	-	111_n
a^3	1	4_n	-	-	$2,2_n$	-	-	-	$9T_n$
a^4	2	4_n	-	$2,2_n$	-	-	-	-	TT_n
a^5	2	4_n	$2,2_n$	-	-	-	-	-	$e0_n$
e^*	1	e_n	$1,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$1S4_n$
f	1	f_n	$2,2_n$	$2,2_n$	$1,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	111_n
p^1	8	4_n	$1,2_n$	$2,2_n$	$2,2_n$	$1,2_n$	$2,2_n$	$2,2_n$	$9T_n$
p^2	5	4_n	$2,2_n$	$1,2_n$	$2,2_n$	$2,2_n$	$1,2_n$	$2,2_n$	TT_n
p^3	1	4_n	$2,2_n$	$2,2_n$	$1,2_n$	$2,2_n$	$2,2_n$	$1,2_n$	$e0_n$
p^4	2	4_n	$1,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$1S4_n$
p^5	2	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	111_n
p^6	1	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$9T_n$
p^7	1	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	TT_n
p^8	1	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$e0_n$
p^9	1	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$1S4_n$
p^{10}	1	4_n	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	$2,2_n$	111_n

BENDING DIAGRAM

$1\frac{1}{2}$"R

a^1 pat = W - $1,1_n$

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
$2, 0_n$	$4'4_n$"x$2,8\frac{1}{2}$"W x$1S\frac{1}{2}$"	$S1_n$ @ SMALLER	0.4S *
$2, 0_n$	$4'4_n$"x$2,8\frac{1}{2}$"W x$1S\frac{1}{2}$"	$S4_n$ @ $2O_n$	0.T2 *
$e, 0_n$	$4'4_n$"x$2,8\frac{1}{2}$"W x$1S\frac{1}{2}$"	$3E_n$ @ $4S_n$	0.1T *
$3, 0_n$	$4'4_n$"x$2,8\frac{1}{2}$"W x$1S\frac{1}{2}$"	$4D_n$ @ $2H_n$	0.8S *
$4, 0_n$	$4'4_n$"x$2,8\frac{1}{2}$"W x$1S\frac{1}{2}$"	$e0_n$ @ ee_n	0.9T *

* CROSS VOLUME

PLAN

(SCALE $1_n = 1,0_n$)

ASPHALT PAVING CURB
HIGH EDGE

STD. GUTTER $\quad 1_n$ BELOW STD GUTTER $\quad 1_n$ BELOW STD GUTTER $\quad$ STD. GUTTER

BEVELLED INLET TOP

$S, 0_n$ $\quad S, 10\frac{1}{2}$" $\quad$ TOP LIMIT 8_n AT EACH END DO NOT BEVEL INLET $\quad S, 0_n$

$1S_n$ R $\quad$ $1S_n$ R

$1S\frac{1}{2}$" EXPANSION JOINT (TYPICAL)

SMALL THROUGH RADIUS MATCH INSIDE OF INLET TRANSITION CURB TO

NOTE: p^2 pat to p^6 field pent to clear manhole frame.

p^2 pat $\quad p^4$ pat $\quad p^3$ pat $\quad p^5$ pat $\quad p^5$ pat $\quad p^1$ pat

a^1 pat $\quad 2, 8\frac{1}{2}$" $\quad a^1$ pat

SECTION A-A

(SCALE $1_n = 1,0_n$)

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

W $\quad 8_n$ $\quad W-1,4_n$ $\quad 8_n$

C_n $\quad H$ $\quad 1S\frac{1}{2}$"

e_n

1_n BELOW STD. GUTTER

S / $W-8_n$ OT $1,8_n$ VARIES

$S\frac{1}{2}$" R

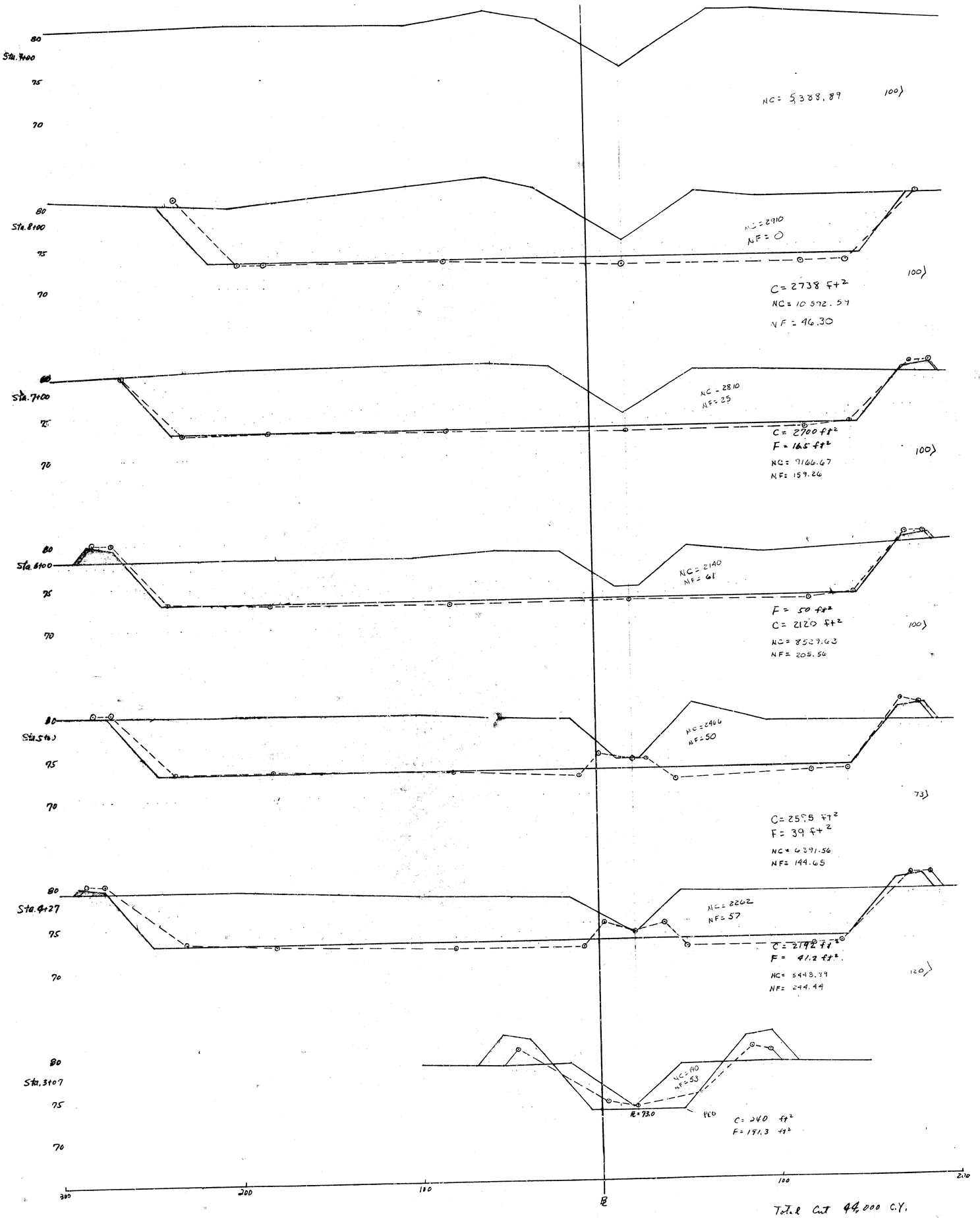
$W-8_n$ $\quad 1,8_n$ $\quad S, e_n$

STD CURB
BACK OF
HIGH EDGE

MANHOLE FRAME

(SCALE $1_n = e_n$)

WEIGHT = 180 LBS.



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