EDWARDS AVE.

N.L. 9th ST. TO S.L. 11th ST.

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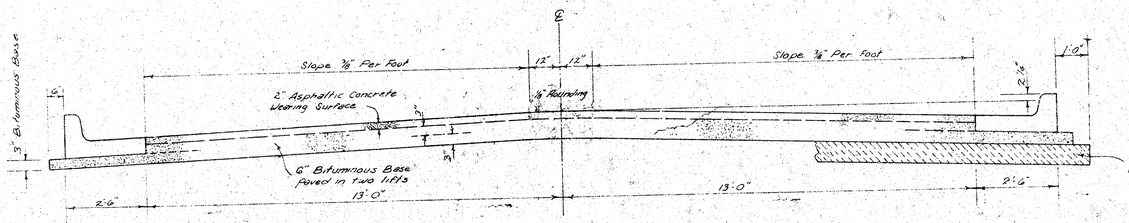
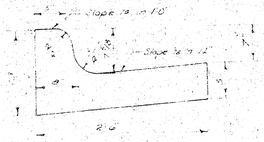
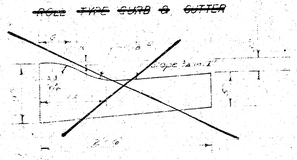


COMBINED CURB & GUTTER



~~ROLL TYPE CURB & GUTTER~~



TYPICAL SECTION

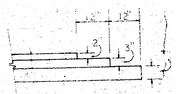
31' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H.) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 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 Sq. Yds. 8" A.C. Pavement (& Bituminous Base) The Bituminous Base under the Comb. Curb & Gutter shall be paid as Sq. Yds. 3" 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.

W. BRENT WOOLERY LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

DEAN SELLERS ACTING CITY ENGINEER

DATE: July-80 PROJ. NO. 472-76-245-80890-000-000-001

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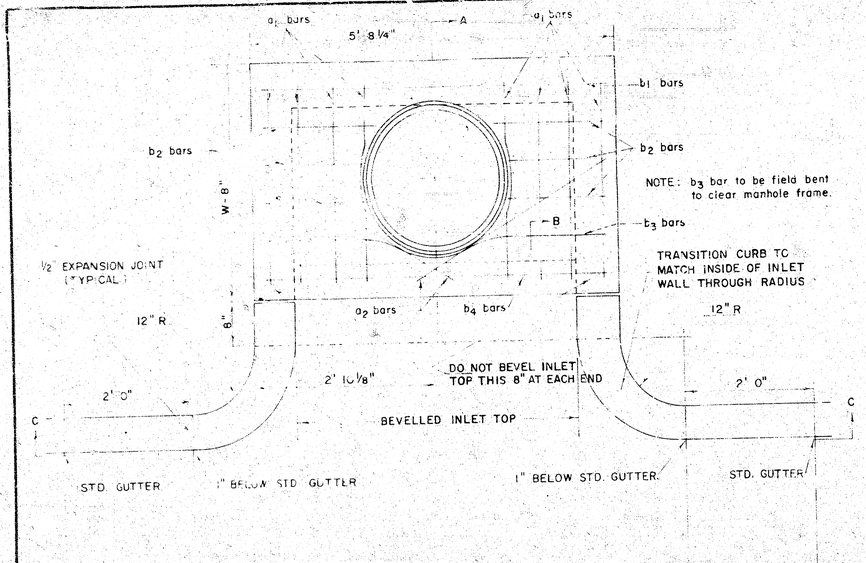
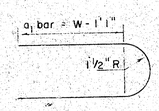


PLAN (SCALE 1" = 1' 0")

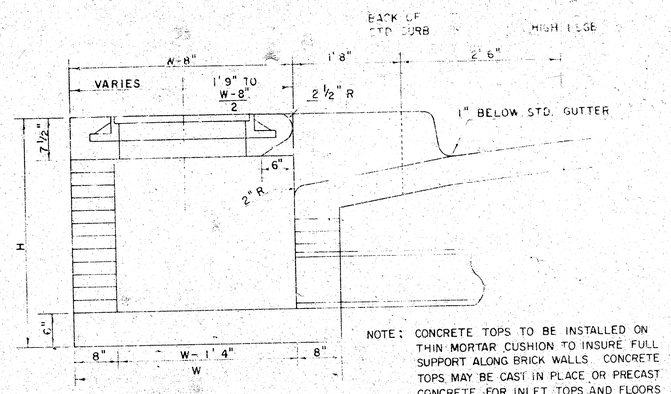


BENDING DIAGRAM

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	5	1	1	
SIZE	#4	#5	#5	#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"	8'1"	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"	5'6"	5'5"	124#

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

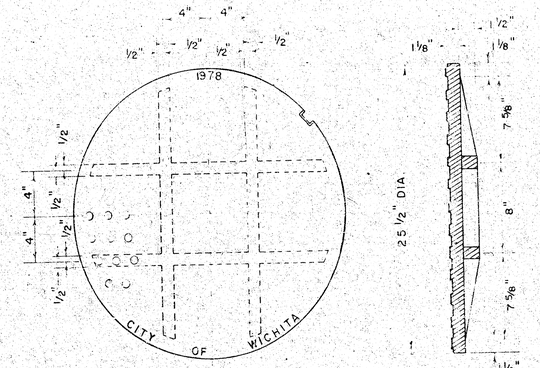


SECTION A-A
(SCALE 1" = 1' 0")

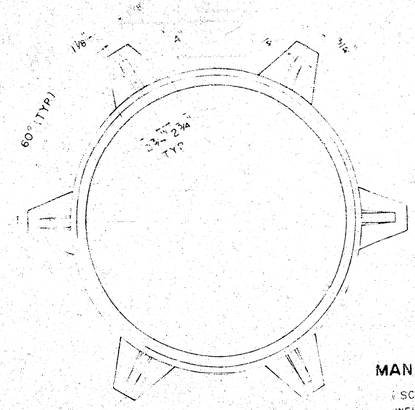
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE. FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.

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 *

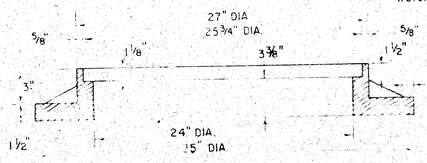
* GROSS VOLUME

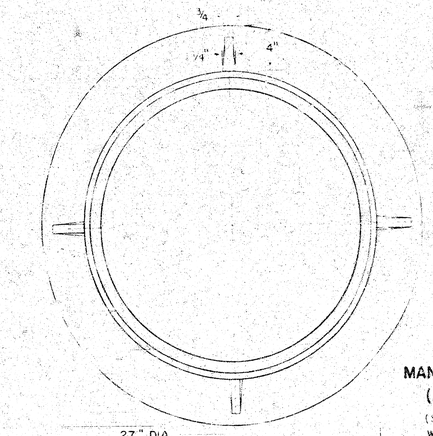


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.

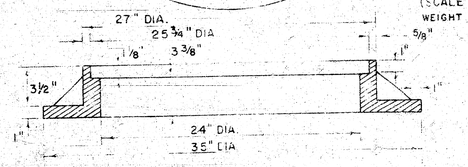


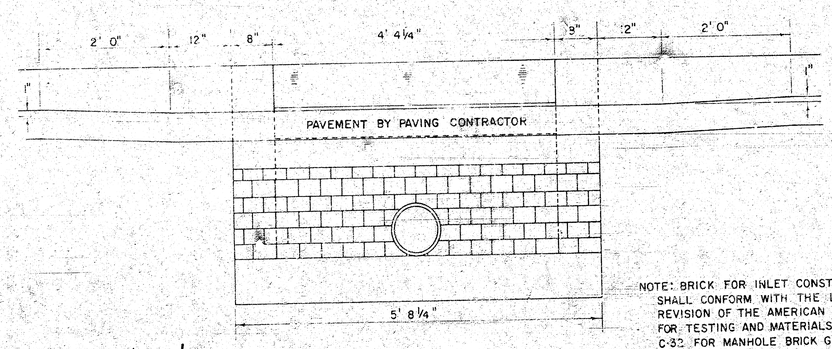
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.





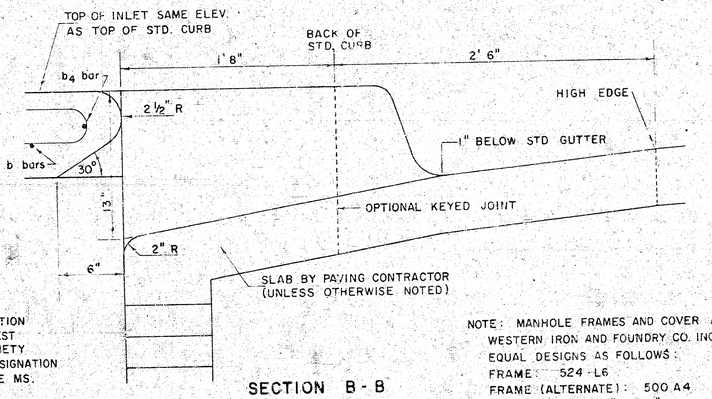
MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.





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: 524-L6
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

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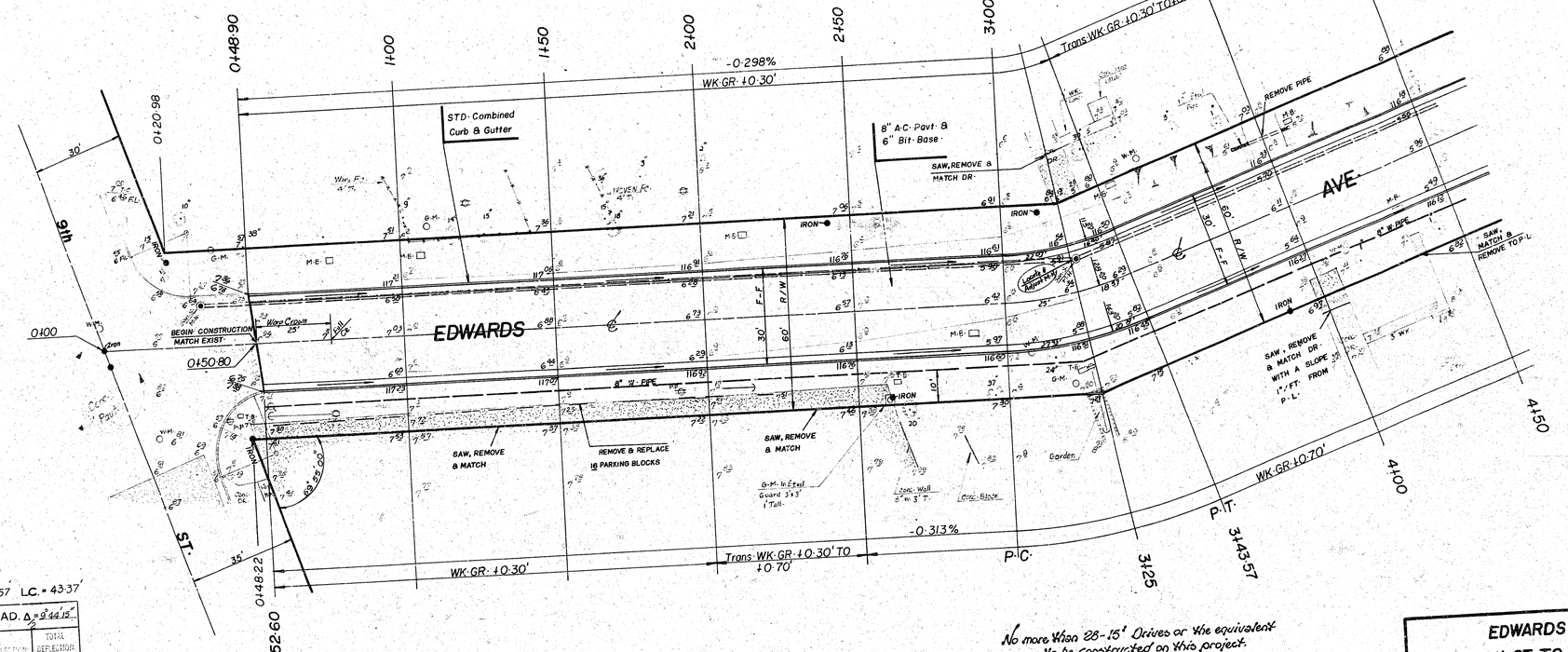
B·M·=116·48 In Globe E·ET·N·E·Cor·11th ST·N·& Edwards Ave·

B·M·=117·48 R·R· Spk·W·Face of P·P· at N·E·Cor·of Edwards & 9th ST·NO·

1'E·of Back of Cb·on Rad·

Scale: 1"=20'



Δ = 13°23'30" R. = 428.20' T. = 22' L. = 43.57' LC. = 43.37'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 9°44'15"

STA.	R.P.C.	8" Lt.	8" Rt.	DEFLECTION	TOTAL DEFLECTION
3+00	——	——	——	——	0°00'00"
3+25	25'	20.46'	29.44'	5°35'12"	5°35'12"
3+43	18.57'	15.23'	21.89'	4°09'03"	9°44'15"

Dep⁄Ft.=13.40775 Min.

EARTH WORK	
EXCAVATION	3445.75 c·y·
+10%	345.57 c·y·
TOTAL	3790.32 c·y·
Comp·Fill	0
Mainpulation	5326.13 s·y·

NOTES:

1- Contractor To Contact Property Owner Before Removal & Replacement Of Driveway Behind P·L·

2- Field Engineer Shall Take Ties, All Irons & Thimbles Which Are Destroyed During Const· Shall Be Replaced·

Indicates Removal

No more than 28-15' Drives or the equivalent to be constructed on this project.

CAUTION
UNDERGROUND UTILITIES
Plan to locate the 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, SCARIFICATION, OR ANY COMBINATION OF THESE.

EDWARDS AVE·

N·L·9th ST·TO S·L·11th ST·

31'B-B A·C·Pavt·/Comb·Cb·Gutter & Draing·Incl·

CITY of WICHITA, KS

Dean Sellers — Acting City Engineer

Proj·NO· 472-76-245-80890-000-000-001

DATE:

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Bar(36) Rubber Film All Light Exp 2 Checked

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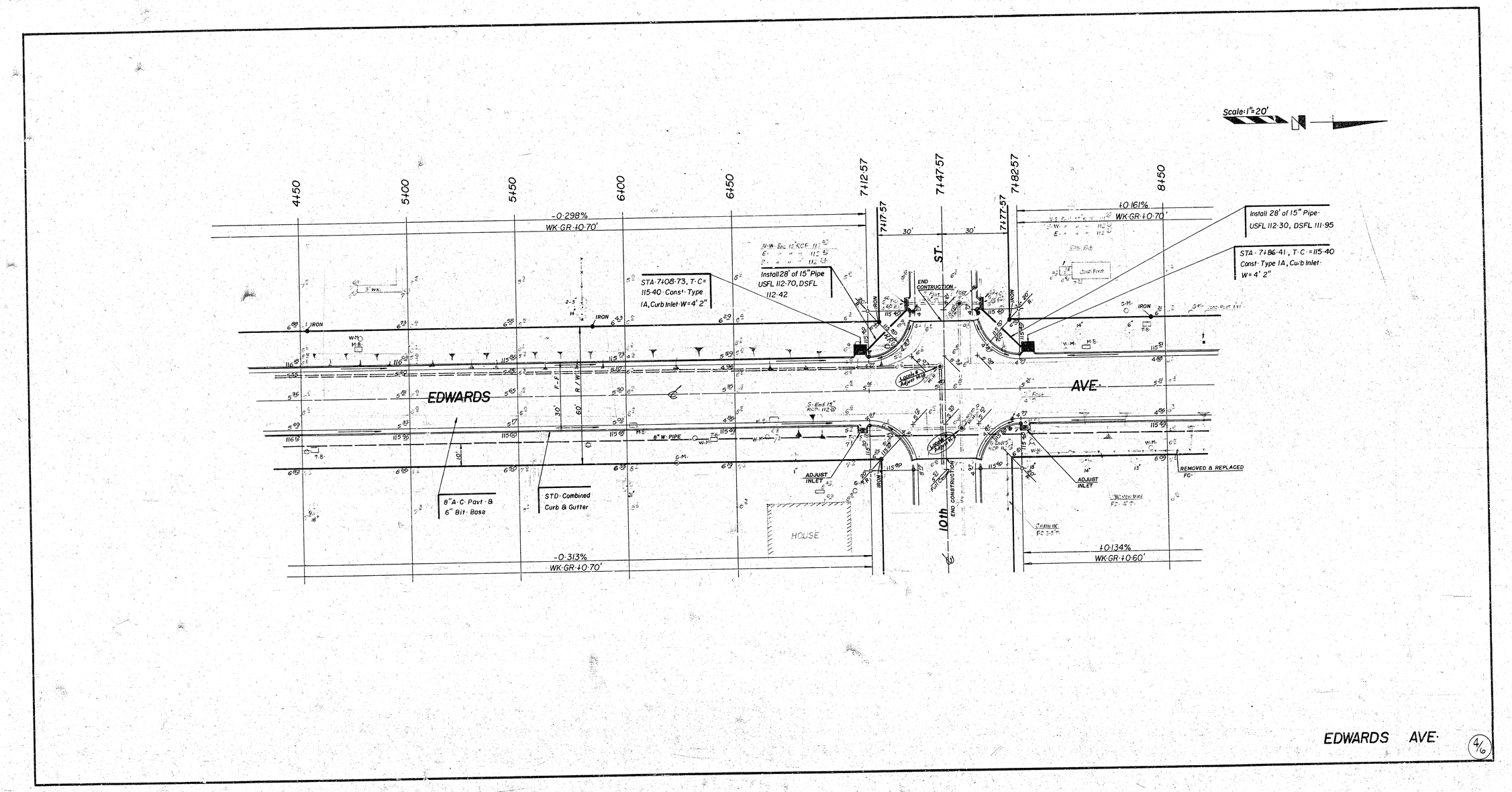

EDWARDS AVE.

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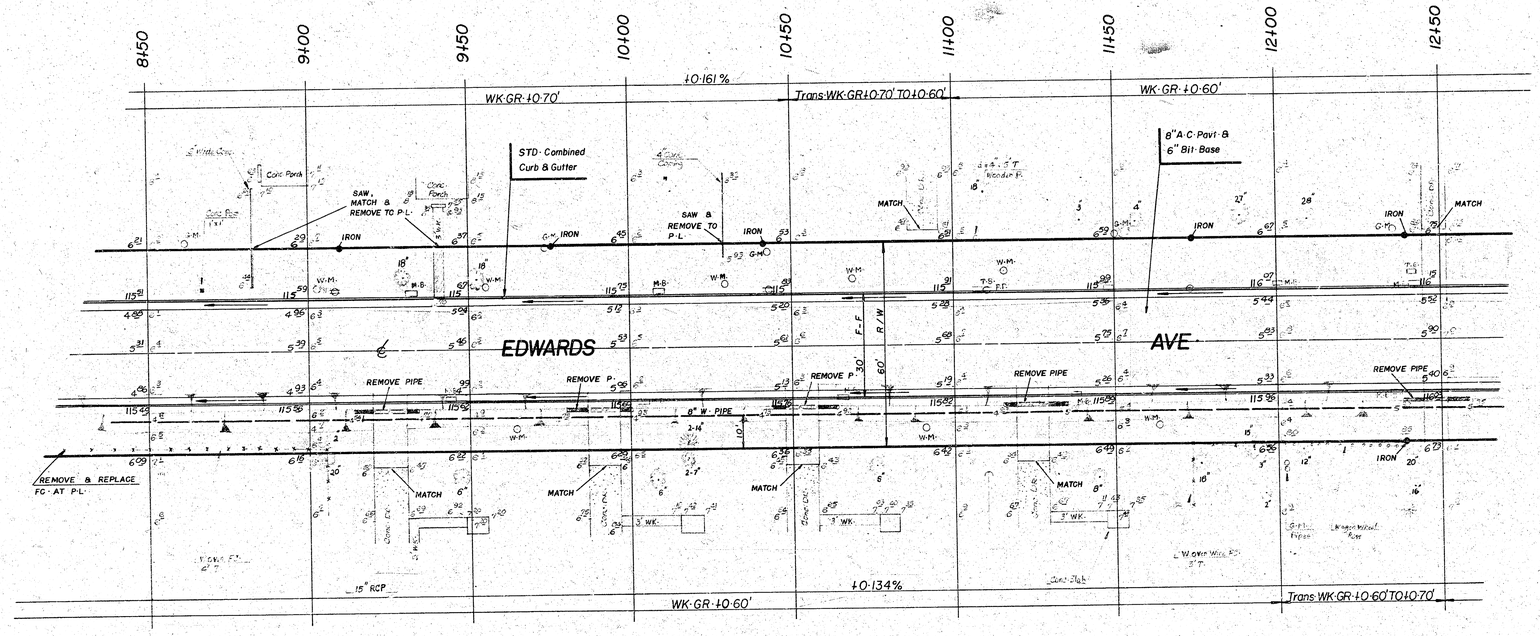
Scale: 1" = 20'



EDWARDS AVE·

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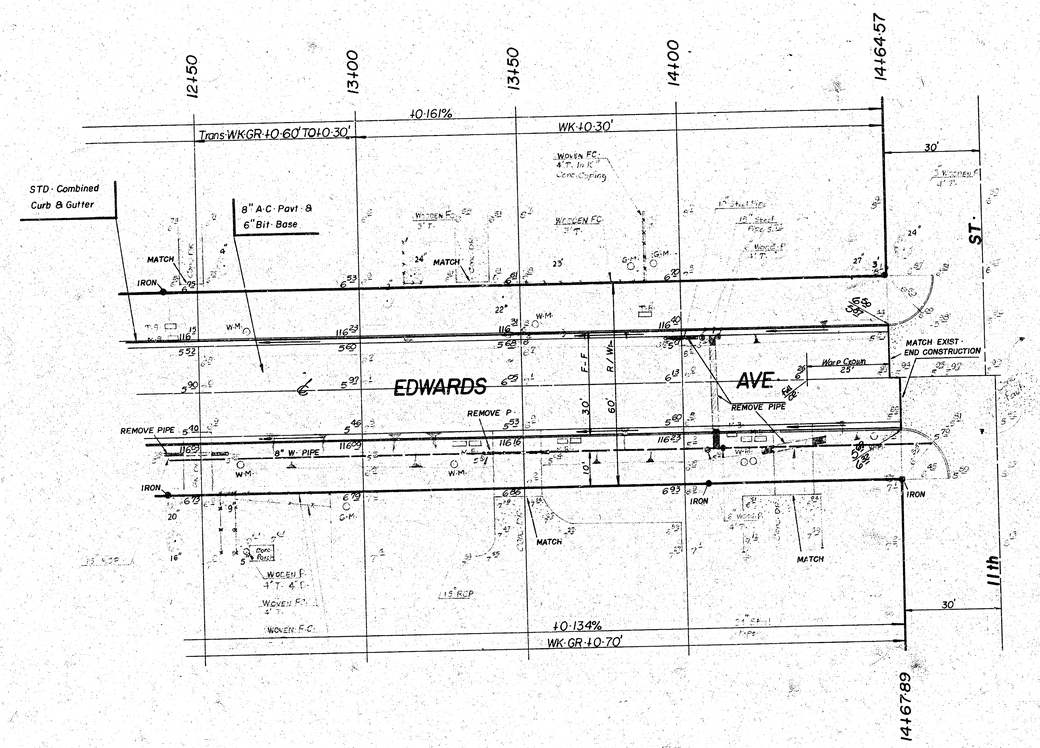
Scale: 1" = 20'



EDWARDS AVE.

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