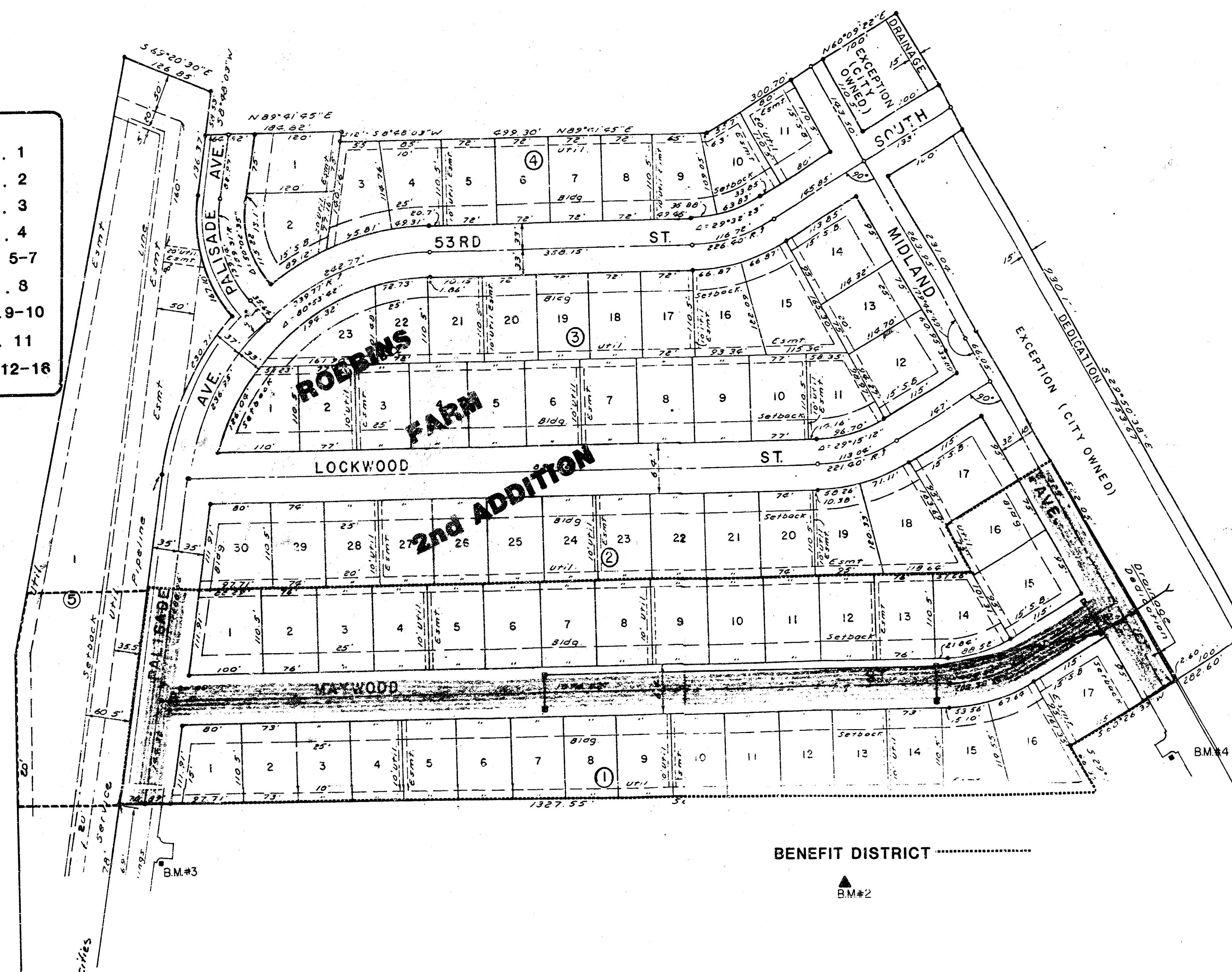


STREET IMPROVEMENTS FOR ROBBINS FARM 2ND ADDITION

PALISADE - FROM S. L. OF ROBBINS 2ND ADDITION TO N.L. OF LOT 1, BLK. 2
MAYWOOD - FROM E.L. OF PALISADE TO W. L. OF MIDLAND
MIDLAND - FROM S.L. OF LOT 17, BLK. 1 TO N.L. LOT 16, BLK. 2

PROJECT NO.
472-76-245-81401-000-000-001

INDEX	
TITLE SHEET	1
41' PAVEMENT DETAIL SHEET	2
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MIDLAND AVE. STREET PLAN	8
STORM SEWER PLAN	9-10
TYPE 1-A INLET DETAIL	11
EARTHWORK CROSS-SECTIONS	12-18



- NOTE**
- Utility service lines, poles, valve boxes, meters, and structures are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
 - The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed over and/or adjacent to pipelines.
 - No more than 43 drives 43 feet in width, or equivalent combinations thereof, are to be constructed with this project.
 - Widened gutter section of combined curb and gutter at intersections will not be paid for directly, and this cost shall be considered as subsidiary to the other contract pay items of work.
 - Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
 - The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.
 - Driveway widths and locations shown on the plan are tentative. Contractor will be required to obtain properly executed driveway request form signed by property owner or his authorized representative verbatim such driveway widths and locations. Such forms shall be submitted to the Engineer for his review and approval.
 - All excess excavation from this project is to remain on the construction site. Contact Dale Cooper 620-1857 for location of areas to receive the excess excavation.

- BENCHMARKS**
- CITY DISC 45' N AND 45' N 1/4 SEC CORNER, GOLD AT 55TH STREET SO. ELEV. +61.36 CITY OWNED
 - 10' CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13 BLOCK 3, ROBBINS FARM ADDN. ELEV. +62.12
 - 10' CUT IN TOP OF CURB SO SIDE DRIVE (USE #5400) LOT 1, BLOCK 3, ROBBINS FARM ADDN. ELEV. +64.33
 - 10' CUT IN TOP OF CURB SO SIDE DRIVE (USE #5403) LOT 16, BLOCK 3, ROBBINS FARM ADDN. ELEV. +62.26

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK — CITY ENGINEER



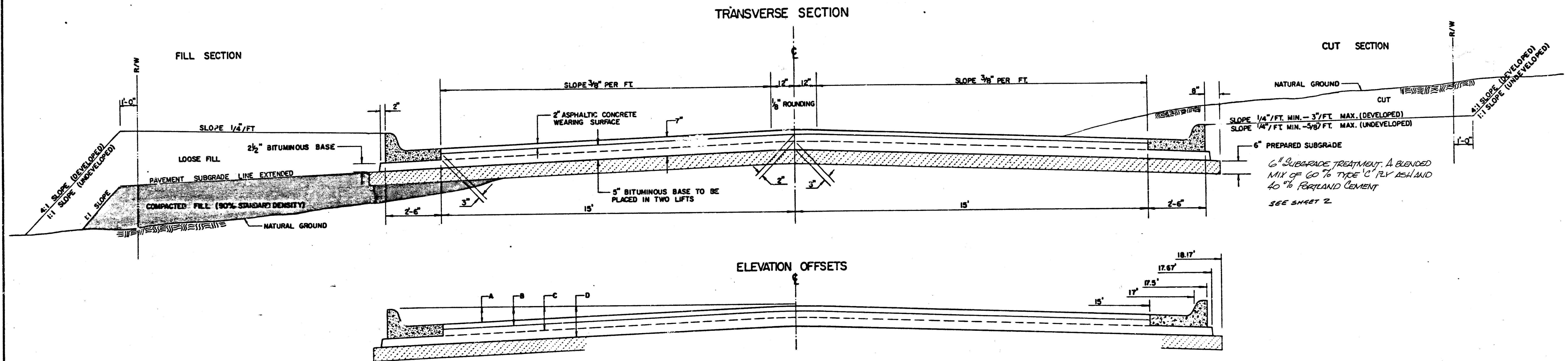
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 315 E.H. • WICHITA, KANSAS 67211

AUGUST, 1986

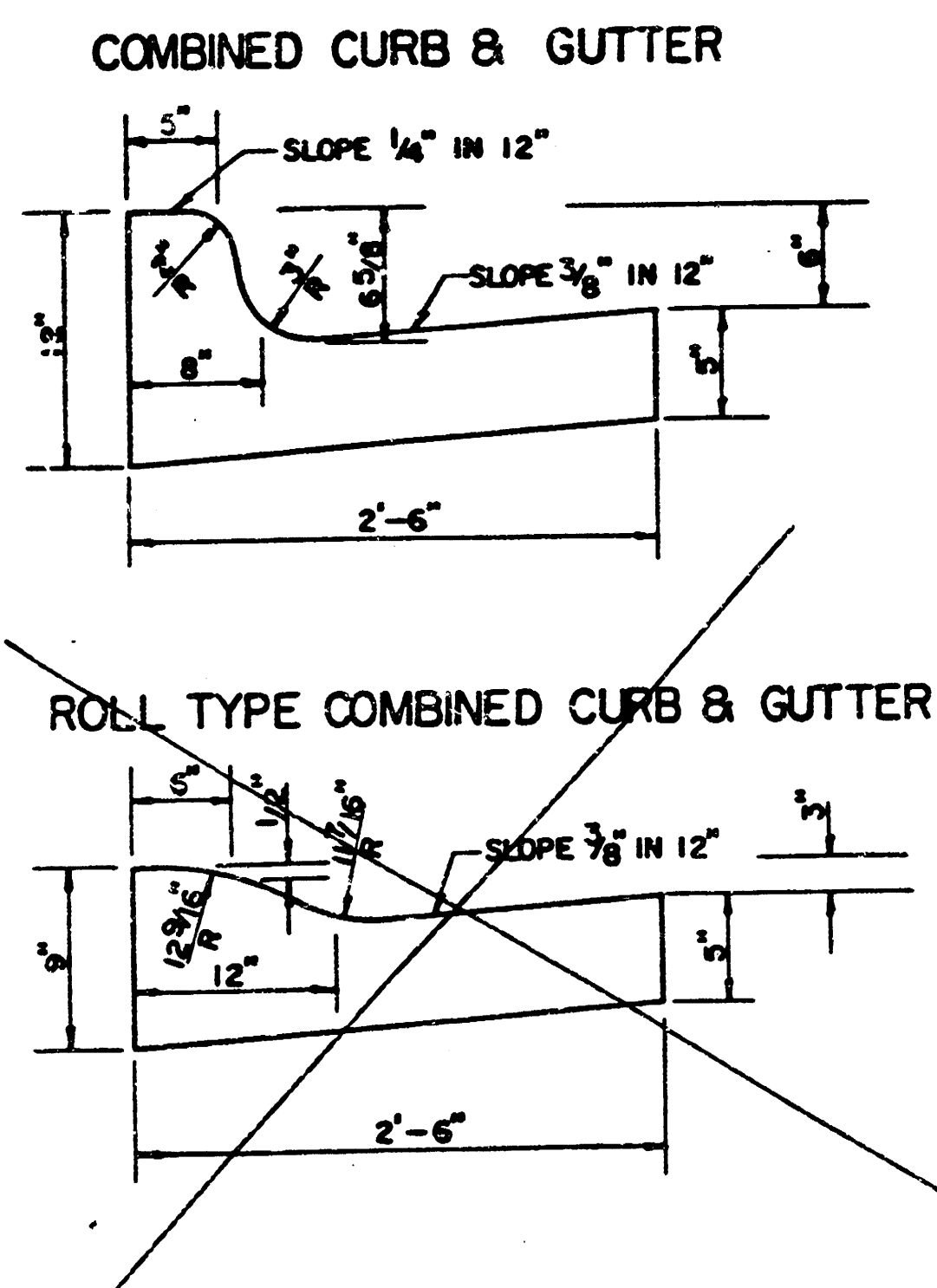
1 OF 18

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TYPICAL 35' PAVEMENT DETAILS



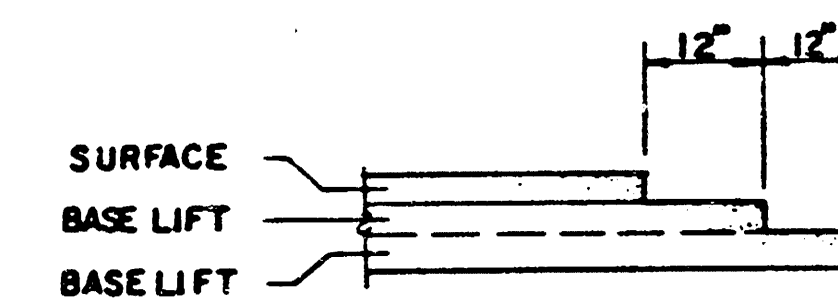
	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7\"/>

TRANSVERSE CONSTRUCTION JOINTS



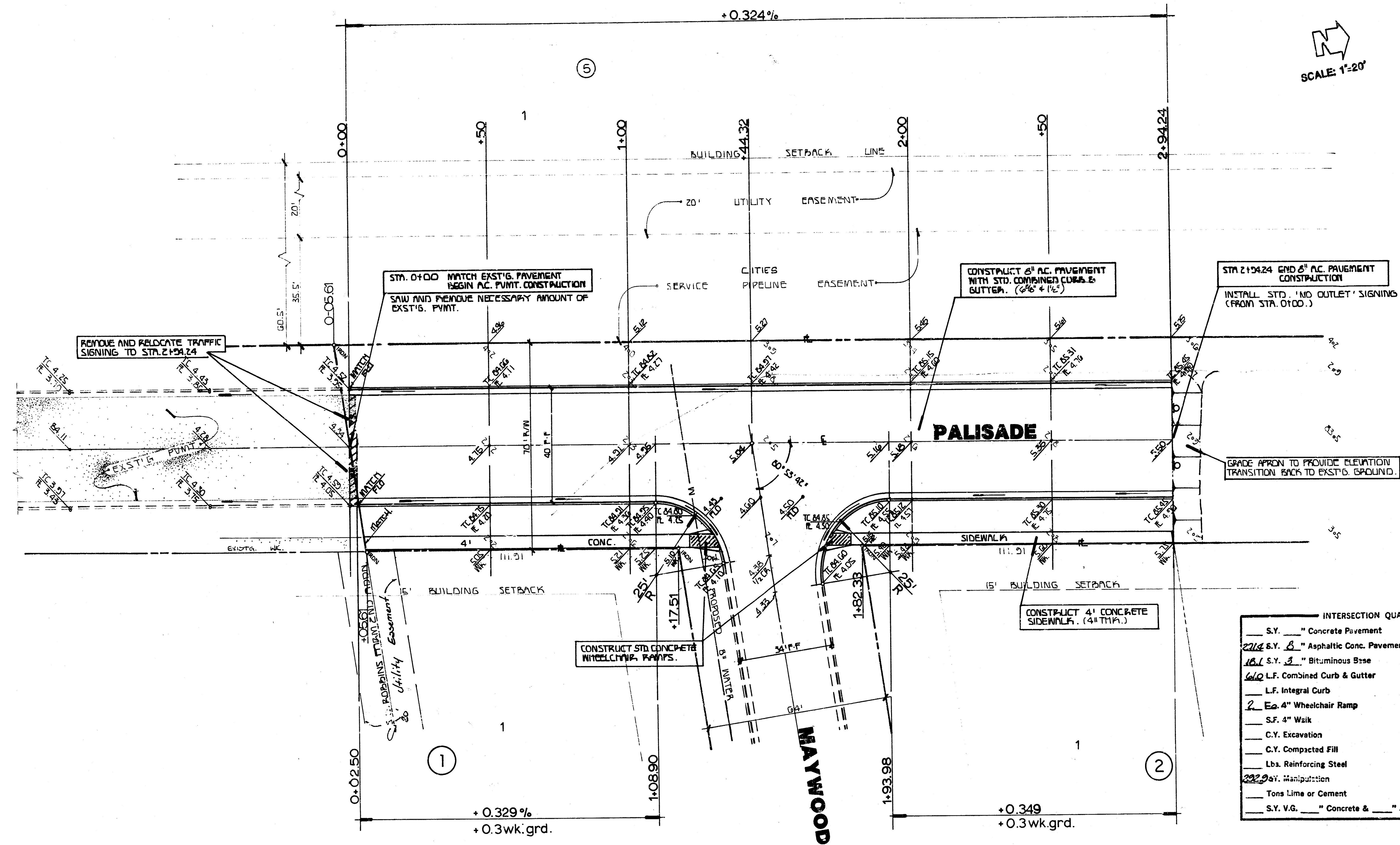
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7\"/>

3 of 16

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81401-000-000-001

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20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 200' 210' 220' 230' 240' 250' 260' 270' 280' 290' 300' 310' 320' 330' 340' 350' 360' 370' 380' 390' 400' 410' 420' 430' 440' 450' 460' 470' 480' 490' 500' 510' 520' 530' 540' 550' 560' 570' 580' 590' 600' 610' 620' 630' 640' 650' 660' 670' 680' 690' 700' 710' 720' 730' 740' 750' 760' 770' 780' 790' 800' 810' 820' 830' 840' 850' 860' 870' 880' 890' 900' 910' 920' 930' 940' 950' 960' 970' 980' 990' 1000'



INTERSECTION QUANTITIES	
— S.Y. —	Concrete Pavement
2714 S.Y. 8"	Asphaltic Conc. Pavement (6" Bituminous Base)
166 S.Y. 3"	Bituminous Base
166 L.F.	Combined Curb & Gutter
—	L.F. Integral Curb
2 Ea. 4"	Wheelchair Ramp
—	S.F. 4" Walk
—	C.Y. Excavation
—	C.Y. Compacted Fill
—	Lbs. Reinforcing Steel
2220 S.Y.	Manipulation
—	Tons Lime or Cement
— S.Y. V.G. —	Concrete & Asphaltic Concrete Base

LEGEND	
— N —	PROPOSED WATER LINE
— S —	EXST'G. SAN. SEWER
— — —	PROPOSED STORM SEWER

EARTHWORK QUANTITIES	
EXCAVATION = 3971.0 C.Y.	COMPACTED FILL = 520.8 C.Y.
+ 10 % = 3971.1 C.Y.	+ 10 % = 521.1 C.Y.
TOTAL = 4368.1 C.Y.	TOTAL = 572.9 C.Y.
SUBGRADE MANIPULATION = 7945.0 S.Y.	

BENCHMARKS

CITY DISC 45' N AND 45' 11" 1/4 SEC. CORNER,
GOLD MT. 55TH STREET SO. ELEV. = 61.36 CITY DATUM

10' CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13
BLOCK 3, ROBINS FARM ADDN. ELEV. = 62.12

10' CUT IN TOP OF CURB 50' SIDE DRIVE (HSE # 5840)
LOT 1, BLOCK 3, ROBINS FARM ADDN. ELEV. = 64.35

10' CUT IN TOP OF CURB 50' SIDE DRIVE (HSE # 5463)
LOT 15, BLOCK 3, ROBINS FARM ADDN. ELEV. = 62.26

STREET IMPROVEMENTS FOR

ROBBINS FARM 2nd ADDITION
472-76-245-81401-000-0001
(8" A.C. PAVEMENT w/ COMBINED CURB and GUTTER)

PALISADE
- FROM E. OF ROBINS FARM ADDITION TO
E.L. OF LOT 1, BLK. 2

SCALE: 1"=20'

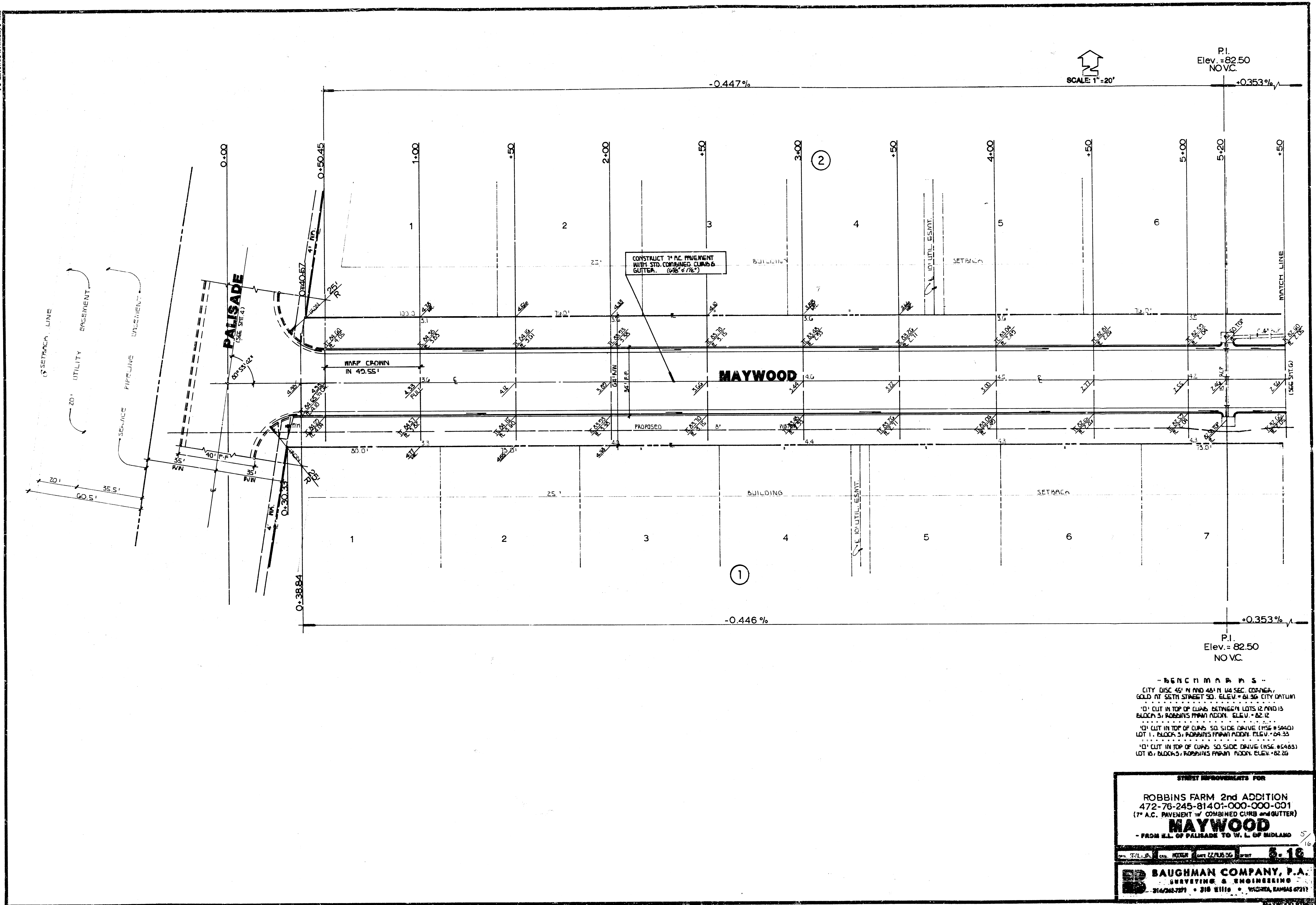
DATE 22 JUL 06

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/263-7271 • 315. E1116 • WORTH, KANSAS 67211

PALISADE AVE.
472-76-245-81401-000-000-001
ROBBINS FARM 2ND ADDN.

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314/245-7271 • 316 E. 11th • WICHITA, KANSAS 67201



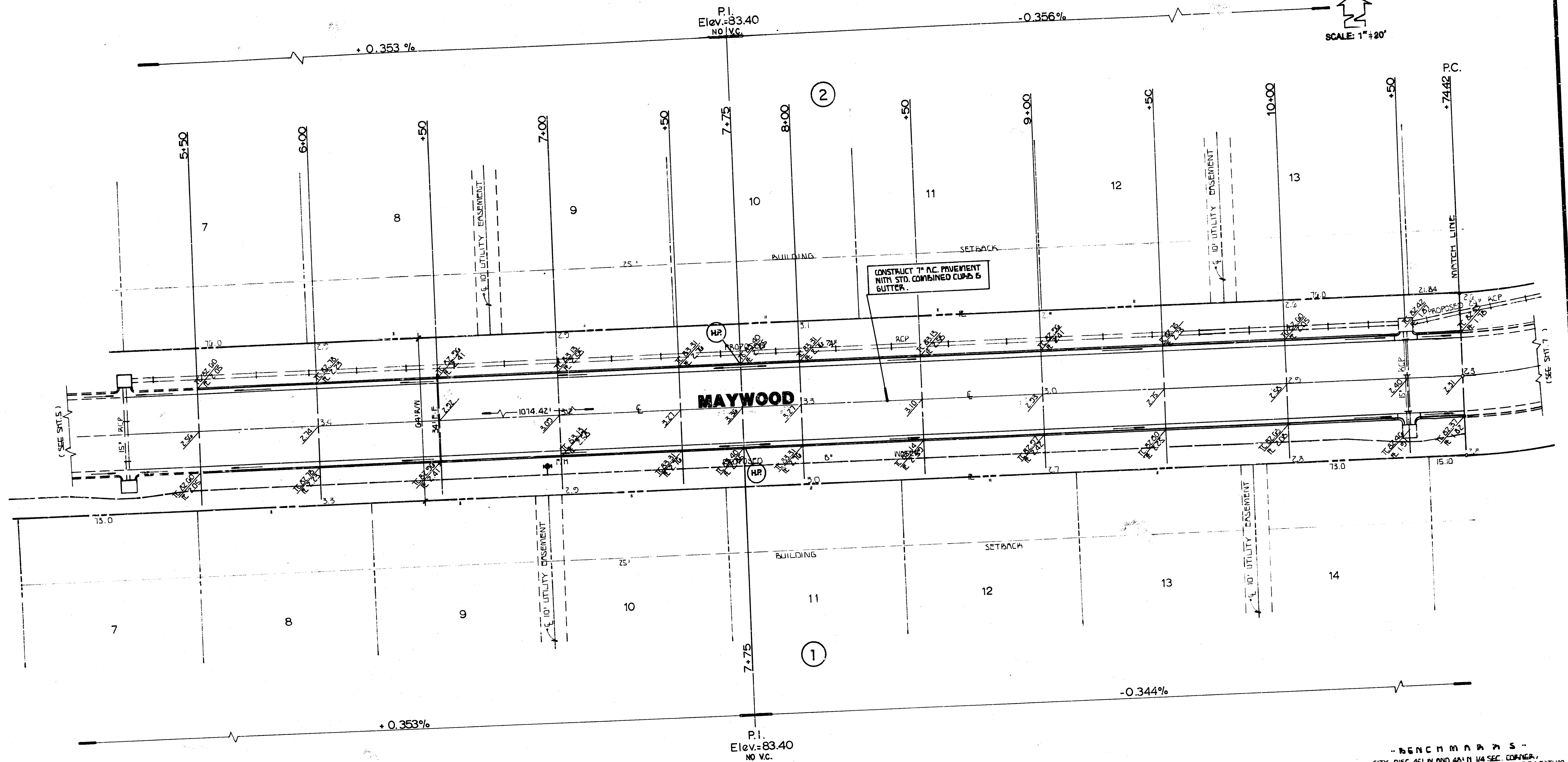
--- BENCHMARKS ---
CITY DISC 45' N AND 45' N 1/4 SEC. CORNER,
GOLD AT 55TH STREET SO. ELEV. = 81.36 CITY DATUM
10' CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13
BLOCK 3, ROBBINS FARM ADDN. ELEV. = 82.12
10' CUT IN TOP OF CURB SO. SIDE DRIVE (HSE #5840)
LOT 1, BLOCK 3, ROBBINS FARM ADDN. ELEV. = 84.33
10' CUT IN TOP OF CURB SO. SIDE DRIVE (HSE #5463)
LOT 16, BLOCK 3, ROBBINS FARM ADDN. ELEV. = 82.26

STREET IMPROVEMENTS FOR
ROBBINS FARM 2nd ADDITION
472-76-245-81401-000-0001
(7' A.C. PAVEMENT w/ COMBINED CURB and GUTTER)
MAYWOOD
- FROM E.L. OF PALISADE TO W. L. OF MIDLAND

5-18

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SURVEYING & ENGINEERING
314/245-7271 • 316 E. 11th • WICHITA, KANSAS 67201

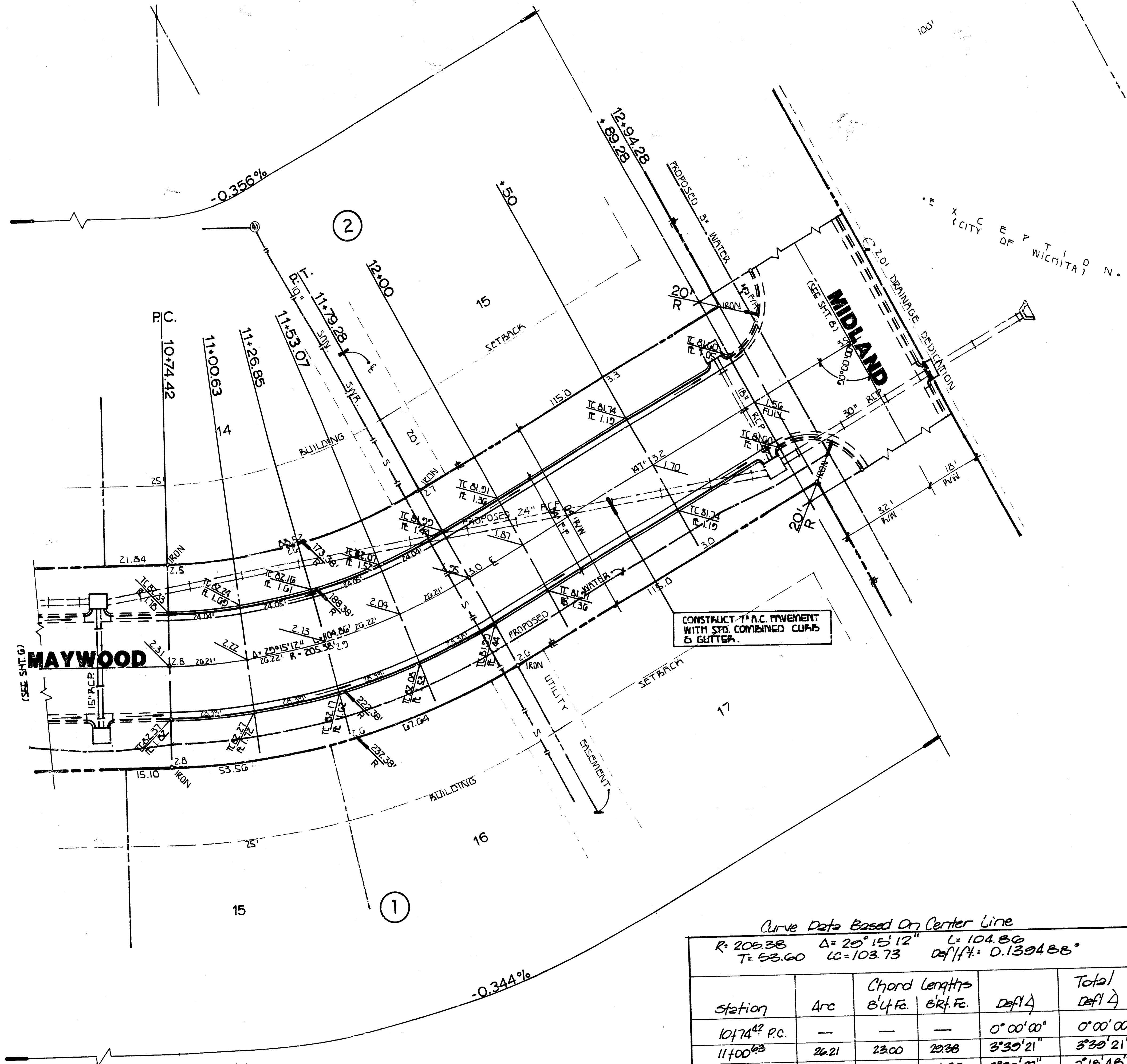
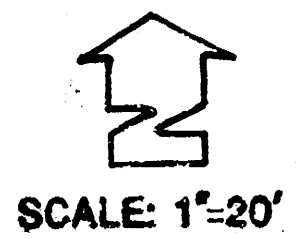
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- BENCHMARKS -
 CITY DISC 45" IN AND 42" IN 1/4 SEC. CORNER,
 GOLD AT 55TH STREET S.D. ELEV. = 61.30 CITY DATUM
 10' CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13
 BLOCK 3, ROBBINS FARM ADDN. ELEV. = 62.12
 10' CUT IN TOP OF CURB S.D. SIDE DRIVE (HSE #5463)
 LOT 1, BLOCK 3, ROBBINS FARM ADDN. ELEV. = 64.35
 10' CUT IN TOP OF CURB S.D. SIDE DRIVE (HSE #5463)
 LOT 10, BLOCK 3, ROBBINS FARM ADDN. ELEV. = 62.26

STREET IMPROVEMENTS FOR
 ROBBINS FARM 2nd ADDITION
 472-76-245-81401-000-000-001
 (7" A.C. PAVEMENT w/ COMBINED CURB and GUTTER)
MAYWOOD
 - FROM E.L. OF RAILROAD TO W. L. OF MIDLAND -
 SHEET NO. 16
 BAUGHMAN COMPANY, P.A.
 SURVEYING & ENGINEERING
 316/252-7371 • 316 E 11th • WICHITA, KANSAS 67211

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Curve Data Based On Center Line
 $R = 206.38$ $\Delta = 25^\circ 15' 12''$ $L = 104.86$
 $T = 53.60$ $LC = 103.73$ $Offset = 0.139488$

Station	Arc	Chord	Lengths	Defl A	Total
		Buf. Fe.	Buf. Fe.		Defl A
10774.42 P.C.	—	—	—	0° 00' 00"	0° 00' 00"
11400.43	26.21	23.00	29.38	3° 30' 21"	3° 30' 21"
11426.65	26.22	23.01	29.39	3° 30' 21"	7° 16' 45"
11453.91	26.22	23.01	29.39	3° 30' 21"	10° 56' 16"
11479.88 P.T.	26.21	23.00	29.38	3° 30' 21"	14° 31' 26"

BENCHMARKS
 CITY DISC 45' N AND 48' E 1/4 SEC. CORNER,
 GOLD AT 55TH STREET S.D. ELEV. + 61.36 CITY DATUM
 10' CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13
 BLOCK 3, ROBINS FARM ADDN. ELEV. + 62.12
 10' CUT IN TOP OF CURB SO SIDE DRIVE (USE #5440)
 LOT 1, BLOCK 3, ROBINS FARM ADDN. ELEV. + 64.33
 10' CUT IN TOP OF CURB SO SIDE DRIVE (USE #5483)
 LOT 16, BLOCK 3, ROBINS FARM ADDN. ELEV. + 62.64

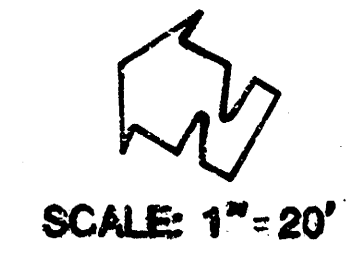
STREET IMPROVEMENTS FOR
ROBBINS FARM 2nd ADDITION
 472-76-245-81401-000-000-001
 (7' A.C. PAVEMENT w/ COMBINED CURB and GUTTER)
MAYWOOD
 FROM E.L. OF SALISBURY TO W. L. OF MIDLAND

7/16

DATE 22/AUG/00
 7-16

BAUGHMAN COMPANY, P.A.
 SURVEYING & ENGINEERING
 316/262-7271 • 316 E1116 • WICHITA, KANSAS 67211

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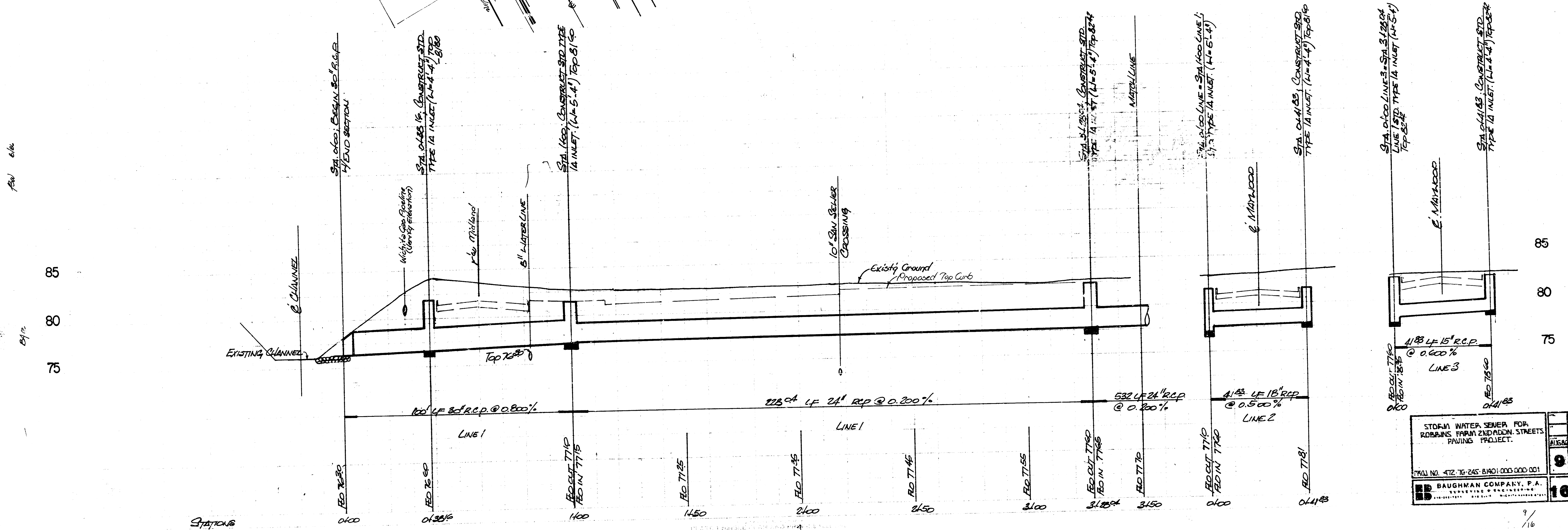
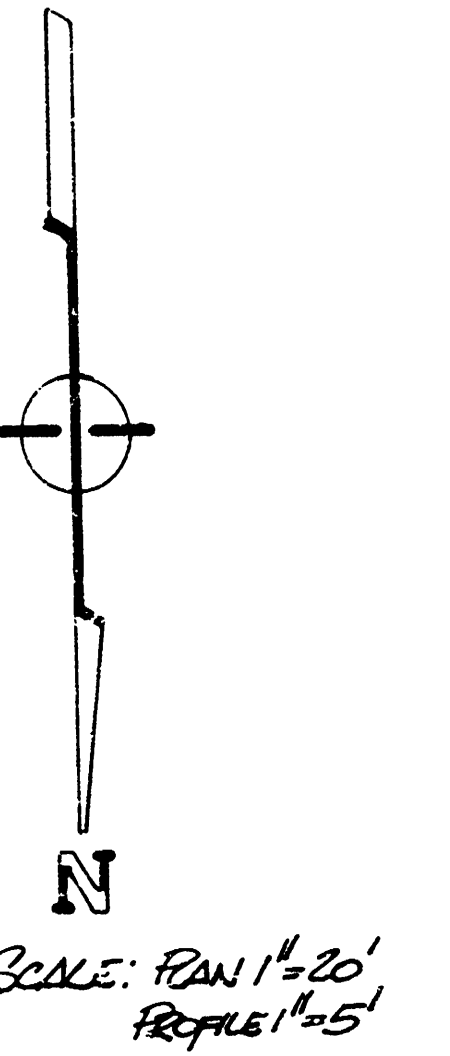
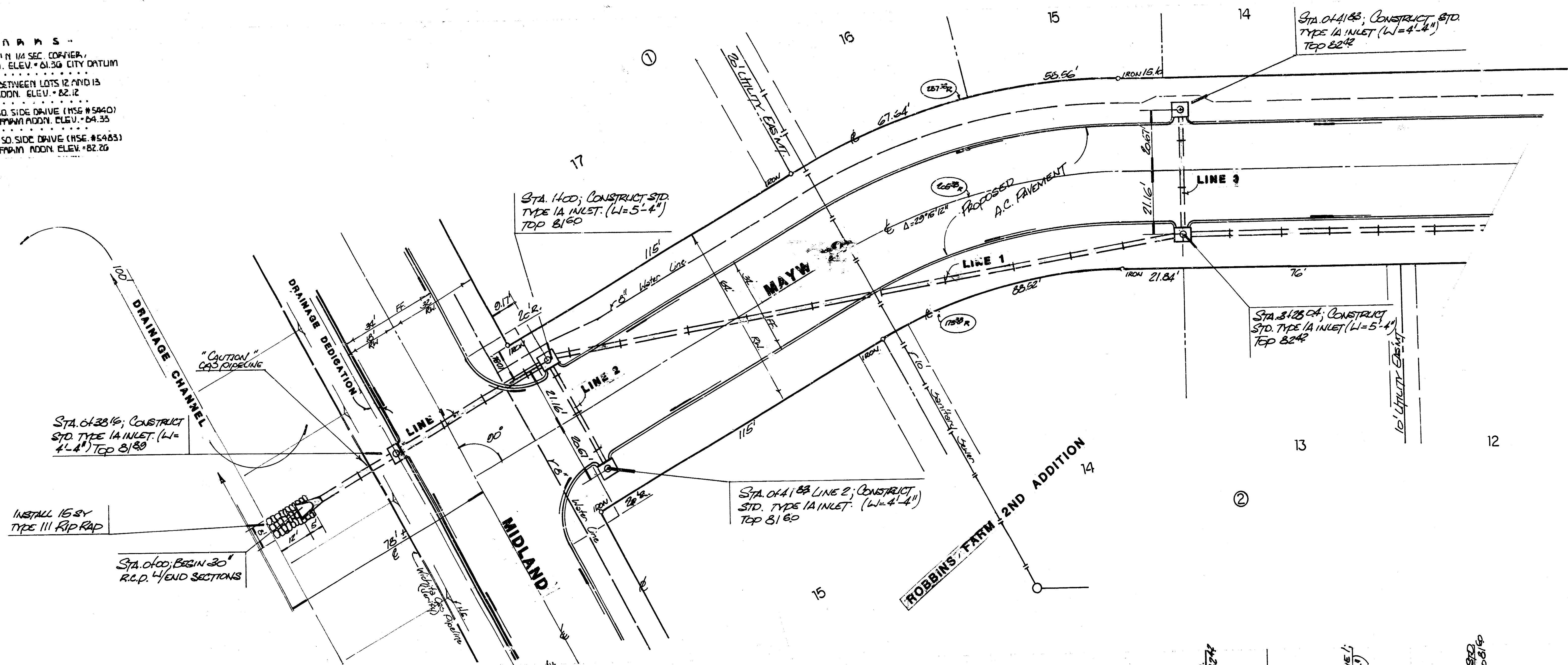


"BENCHMARKS"
CITY DIST. 45' N AND 48' N 1/4 SEC. CORNER,
GOLD N. 55TH STREET S.D. ELEV. = 81.30 CITY DISTIN.
"1" CUT IN TOP OF CURBS BETWEEN LOTS 12 AND 13
BLOCK 3, ROXBOROUGH PARK ADDN. ELEV. = 82.12
"2" CUT IN TOP OF CURBS S.D. SIDE DRIVE (HSE #5443)
LOT 1, BLOCK 3, ROXBOROUGH PARK ADDN. ELEV. = 84.35
"3" CUT IN TOP OF CURBS S.D. SIDE DRIVE (HSE #5433)
LOT 15, BLOCK 3, ROXBOROUGH PARK ADDN. ELEV. = 82.26

472-76-245-81401-000-000-001
ROBBINS FARM 2nd ADDN

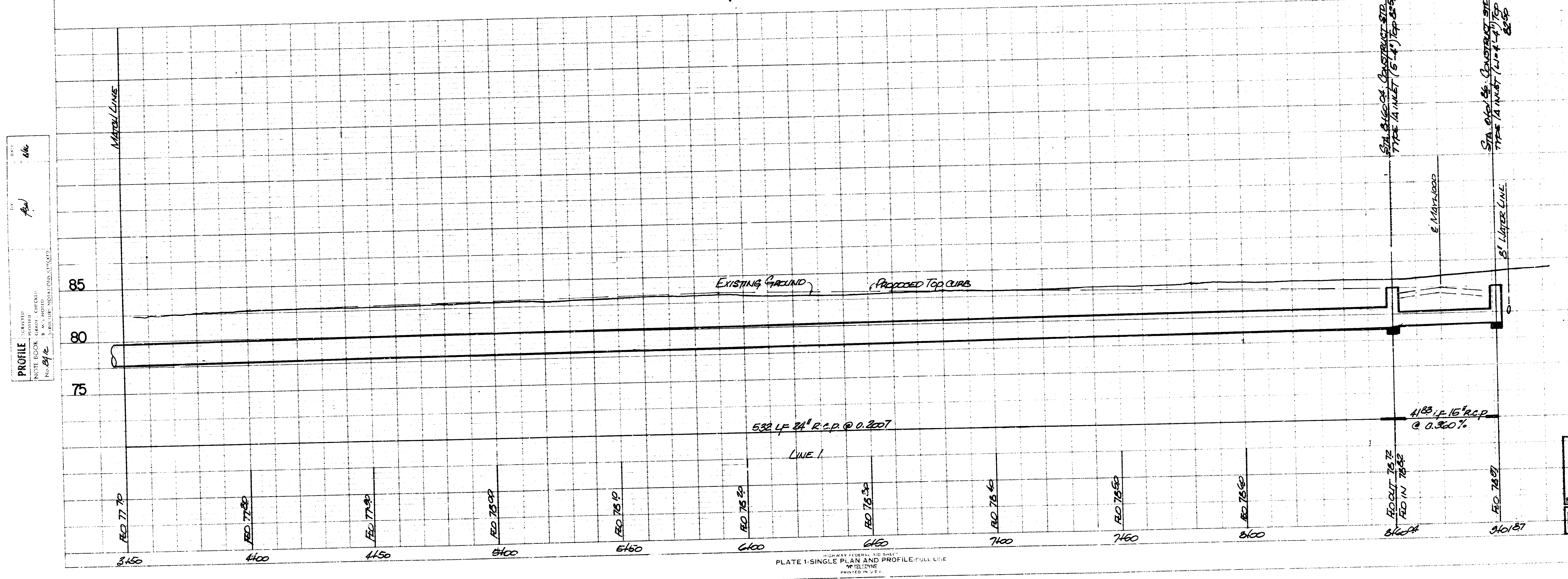
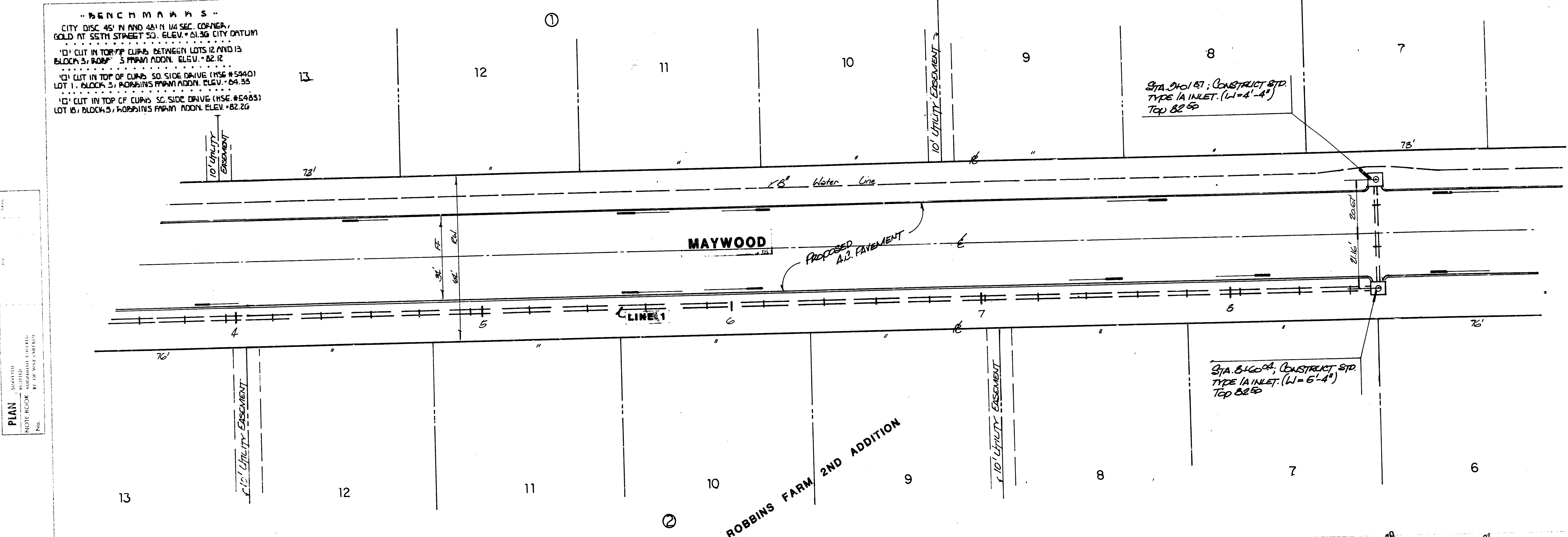
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REMARKS:
 (1) DISC 45' IN AND 45' IN 1/4 SEC. CORNER.
 (2) CUT IN TOP OF CURB BETWEEN LOTS 12 AND 13.
 (3) BLOCK 3, ROBINS FARM ADDN. ELEV. +82.12
 (4) CUT IN TOP OF CURB SO SIDE DRIVE (HSE #5440)
 LOT 1, BLOCK 3, ROBINS FARM ADDN. ELEV. +84.35
 (5) CUT IN TOP OF CURB SO SIDE DRIVE (HSE #5483)
 LOT 18, BLOCK 3, ROBINS FARM ADDN. ELEV. +82.70



STORM WATER SEWER FOR
 ROBINS FARM 2ND ADDN. STREETS
 PAVING PROJECT.
 TROLL NO. 472-76-245-8401-000-000-001
 BAUGHMAN COMPANY, P.A.
 ENGINEERS & ARCHITECTS
 10/16

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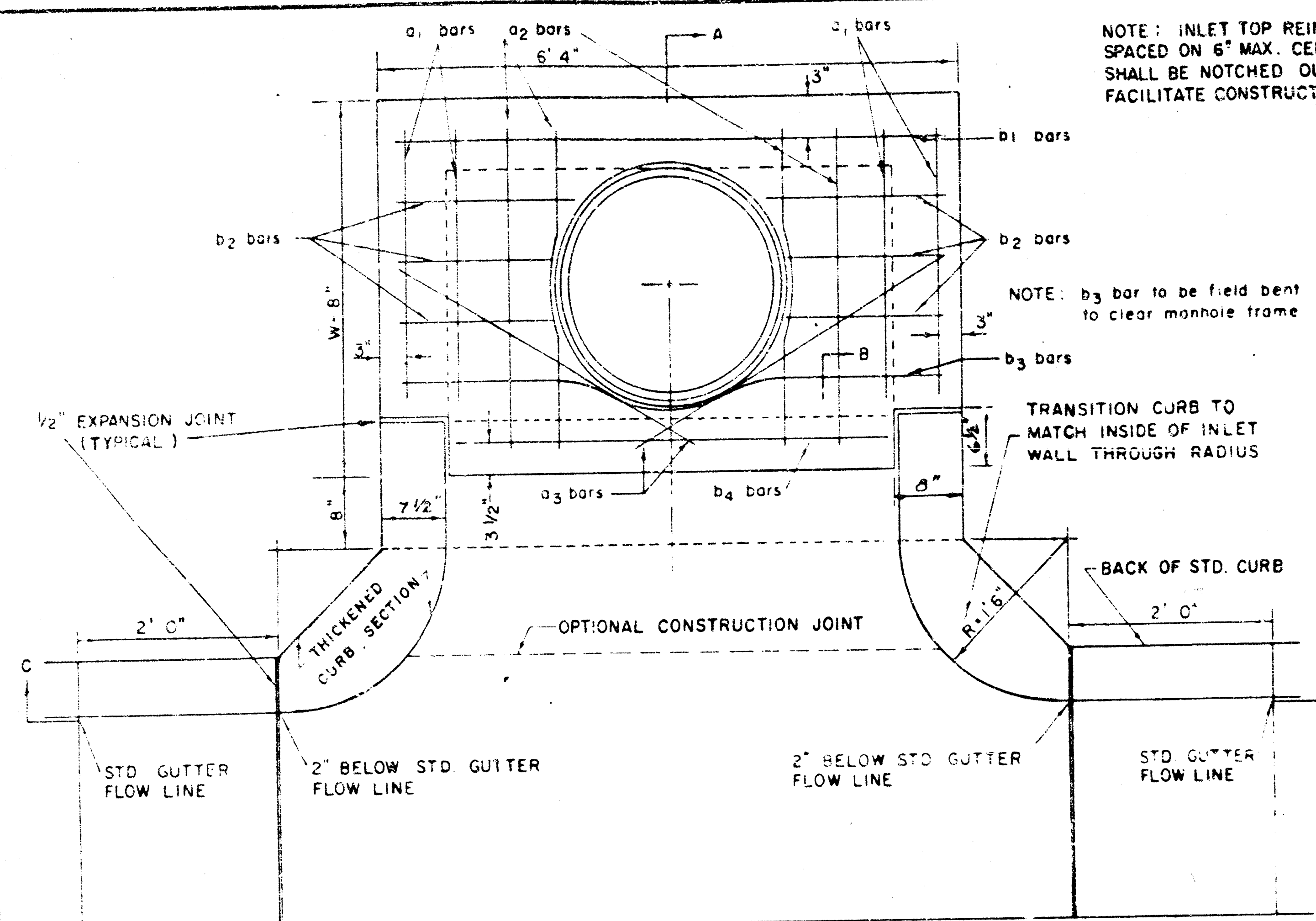
N

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

STORM WATER SEWER FOR
 ROBBS' FARM 2ND ADDN. STAGE
 PAULING PROJECT

BAUGHMAN COMPANY, P.C.

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NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

STEEL SCHEDULE

BAR	a1	a2	a3	b1	b2	b3	b4	WT LBS
NUMBER	4	4	2	1	3	5	7	60
SIZE	#4	#4	#4	#4	#4	#4	#4	
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	60
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	81
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	101
W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-	121
W=8'4"	13'7"	14'7"	8'0"	6'1"	-	-	-	141

* NOTE: a3 BARS TO BE PLACED APPROX 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

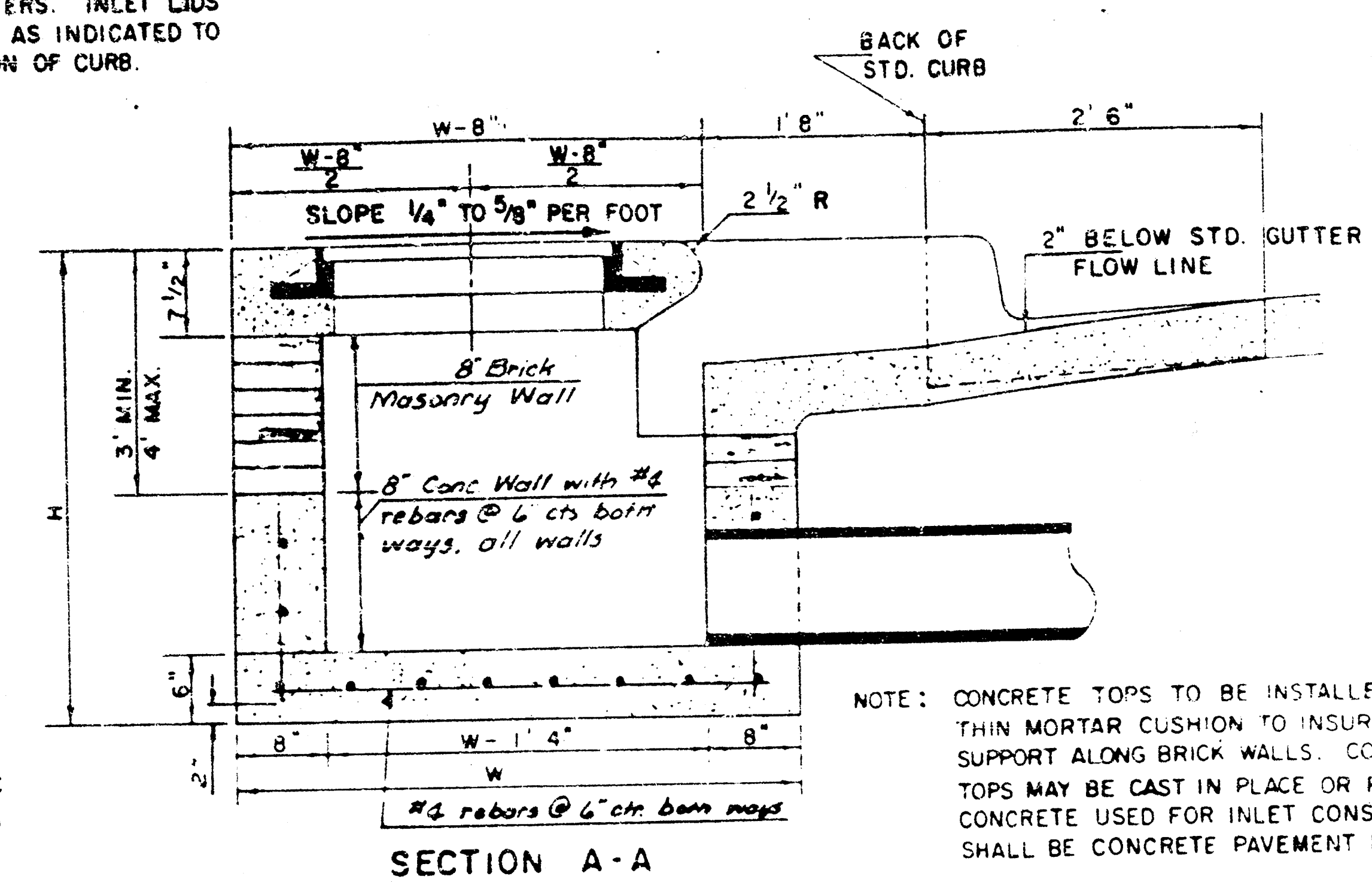
STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU YD. CONC.
4' 4"	3' 8" x 6' 4" x 7 1/2"	21" B SMALLER	0.38 ±
5' 4"	4' 8" x 6' 4" x 7 1/2"	24" B 30"	0.51 ±
6' 4"	5' 8" x 6' 4" x 7 1/2"	36" B 42"	0.64 ±
7' 4"	6' 8" x 6' 4" x 7 1/2"	48" B 54"	0.77 ±
8' 4"	7' 8" x 6' 4" x 7 1/2"	60" B 66"	0.90 ±

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 bar to be field bent to clear manhole frame

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



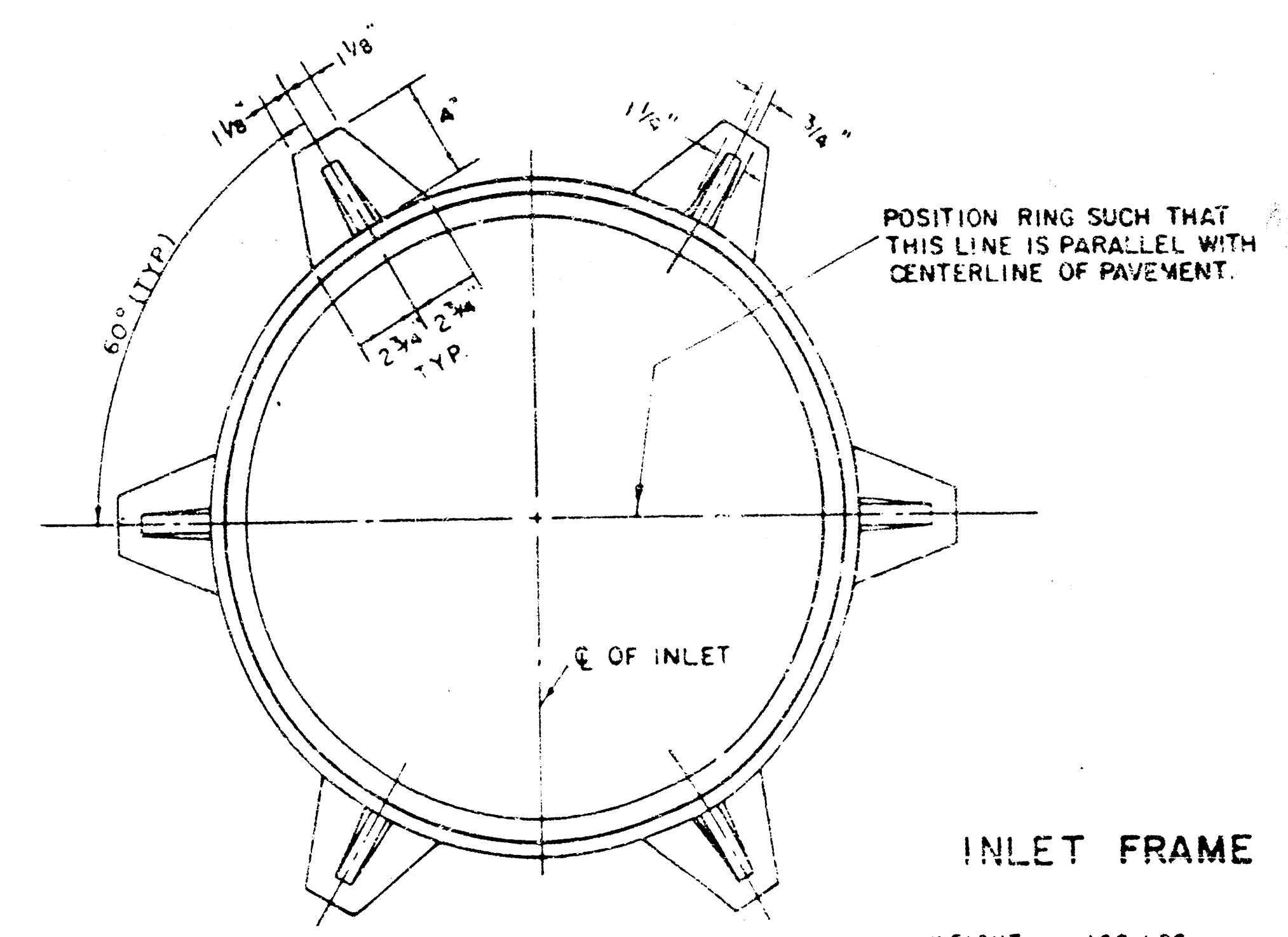
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6' 4" AND H = 7' 0" OR LESS.

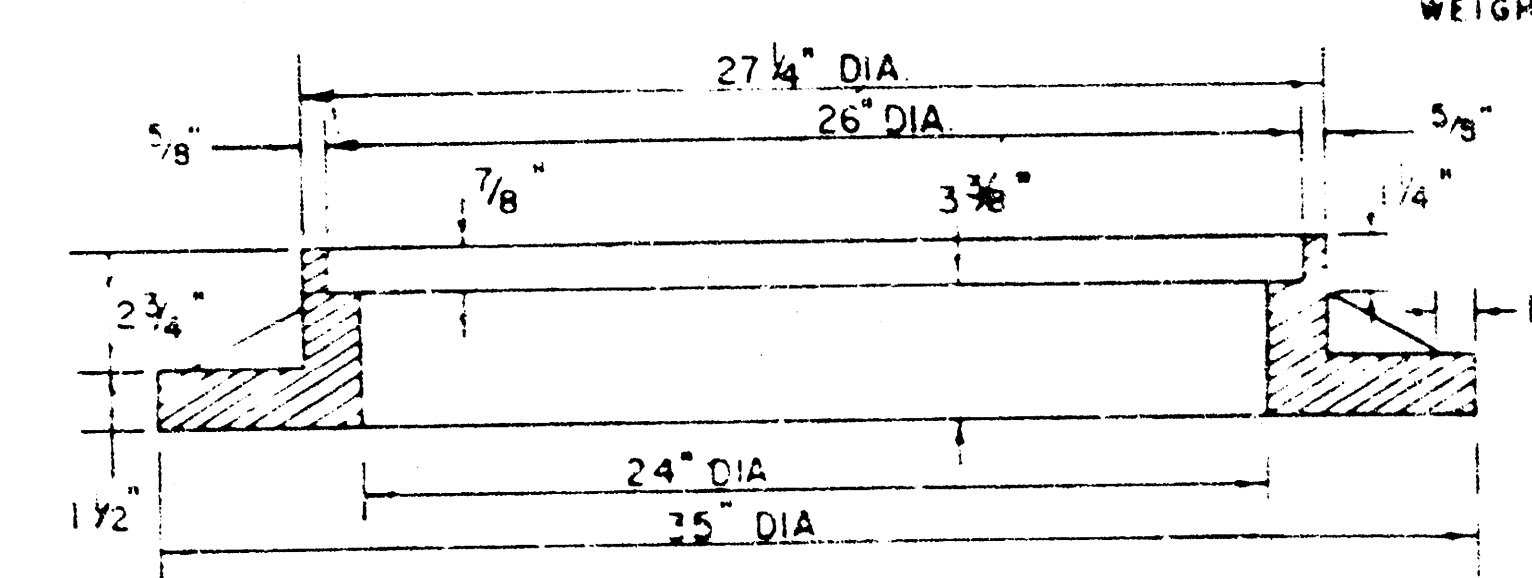
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

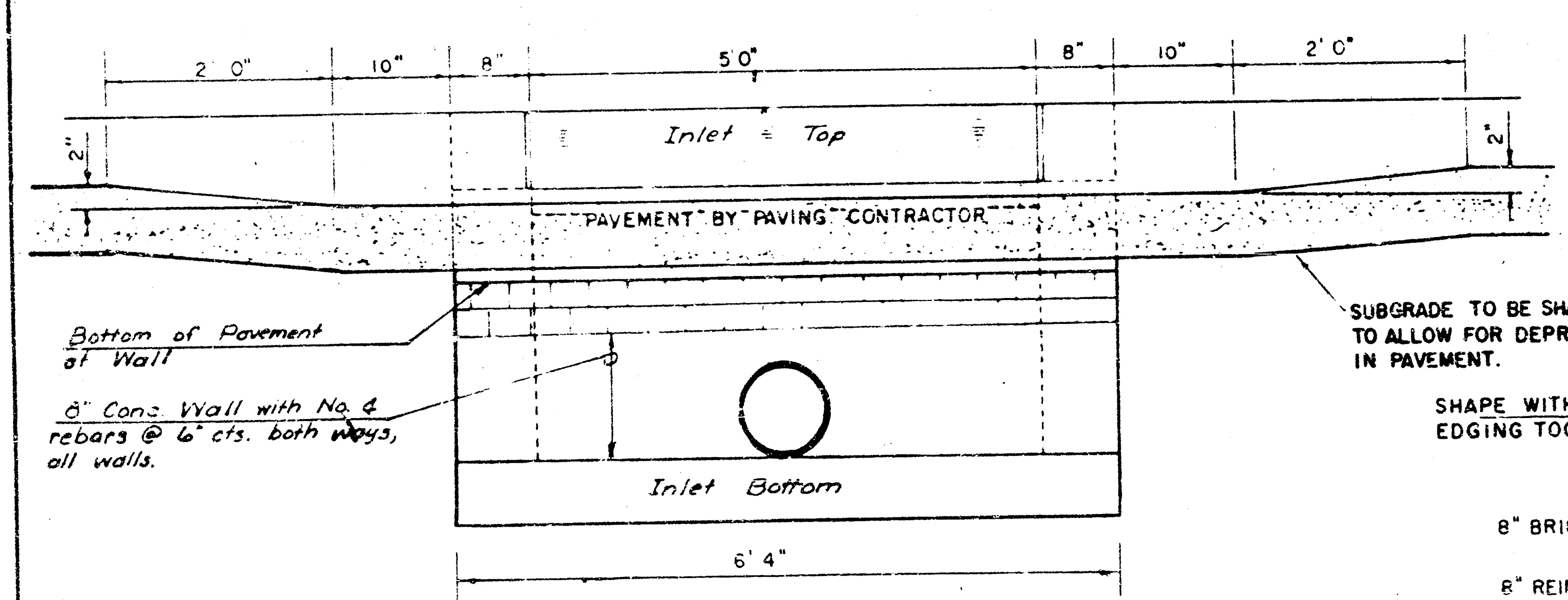
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



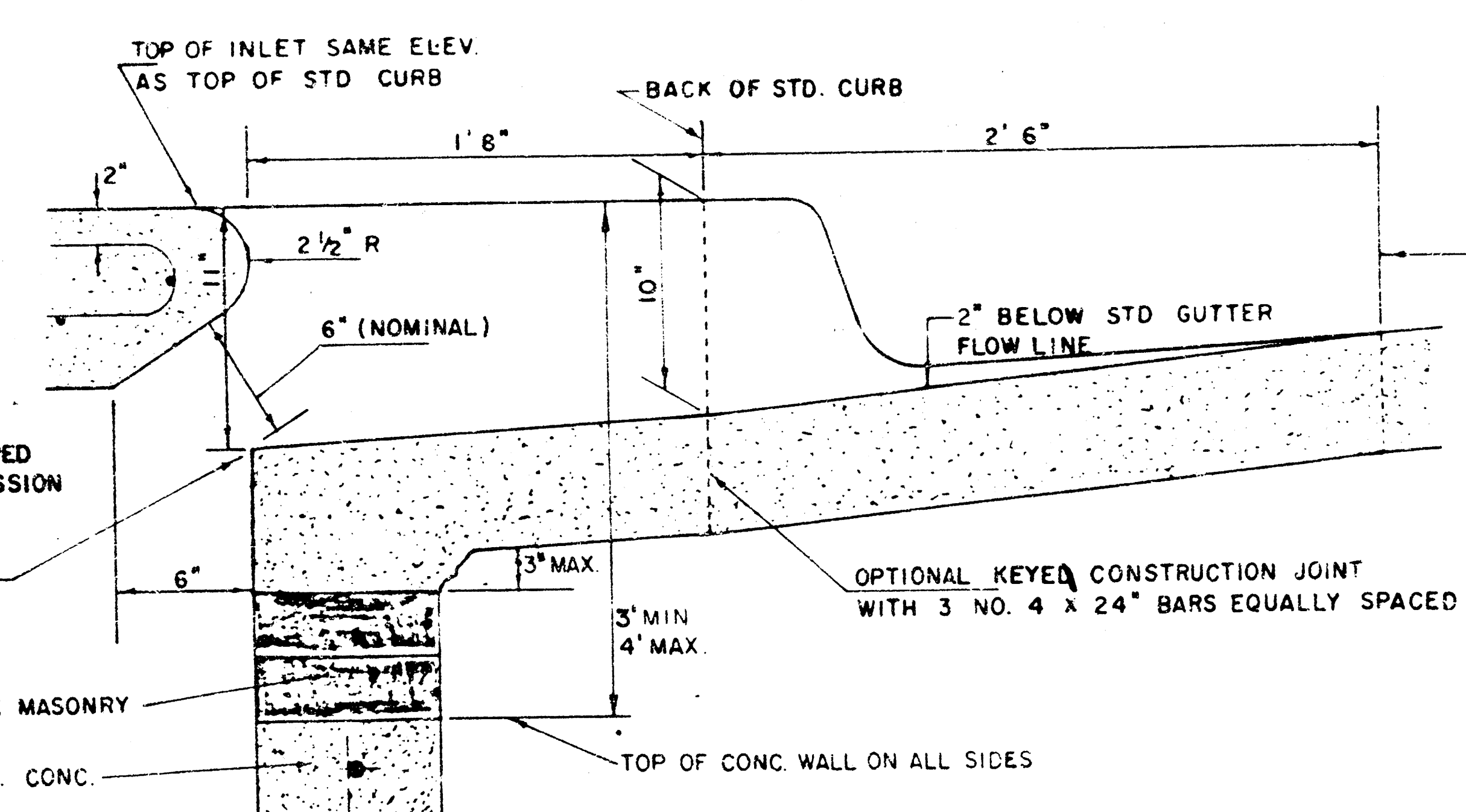
WEIGHT = 180 LBS



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



SECTION B-B

LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

OPTIONAL KEYED CONSTRUCTION JOINT WITH 3 NO. 4 x 24" BARS EQUALLY SPACED

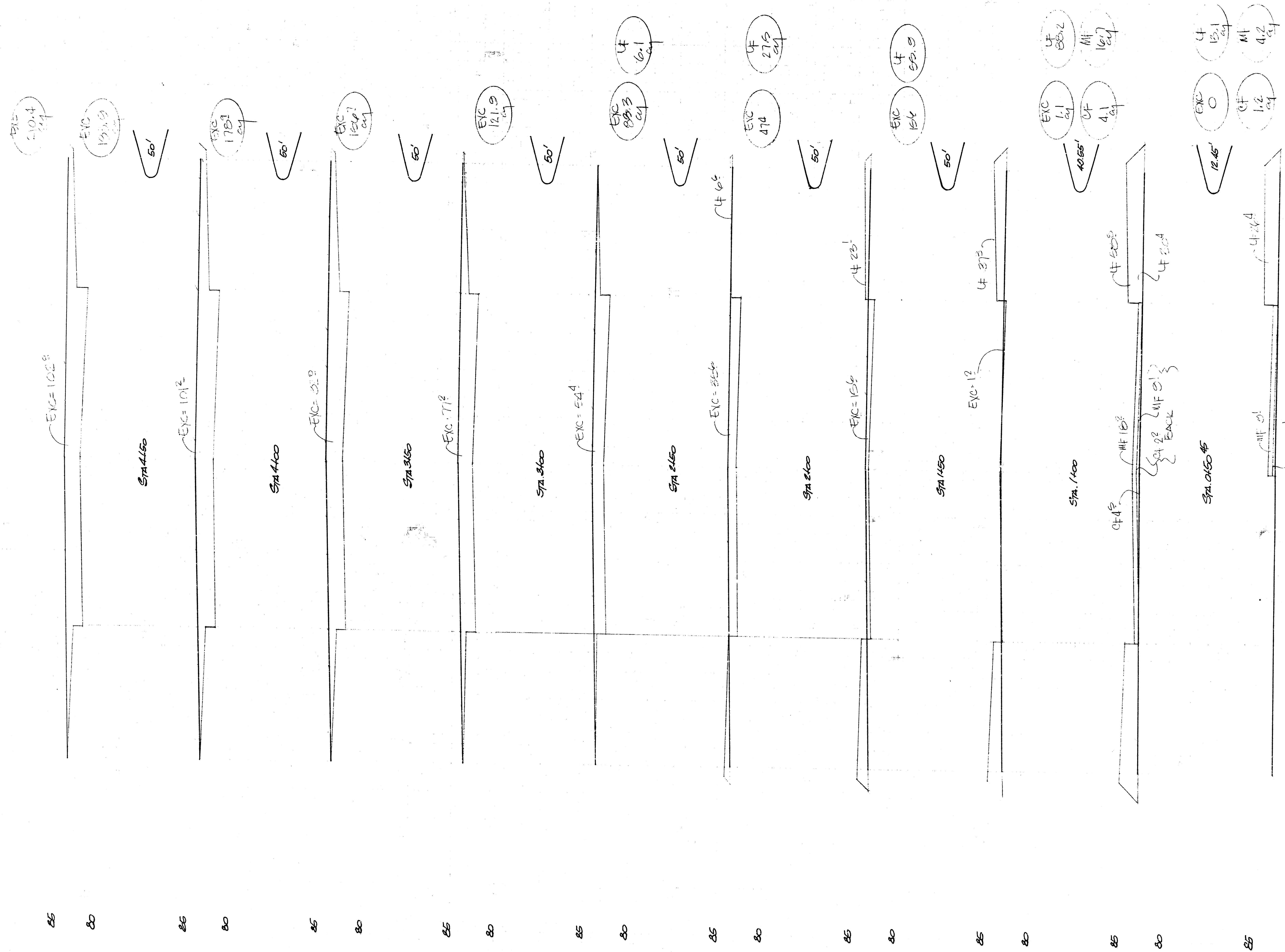
REVISED 12-21-1984

11 OF 16

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"

JUNE 1984

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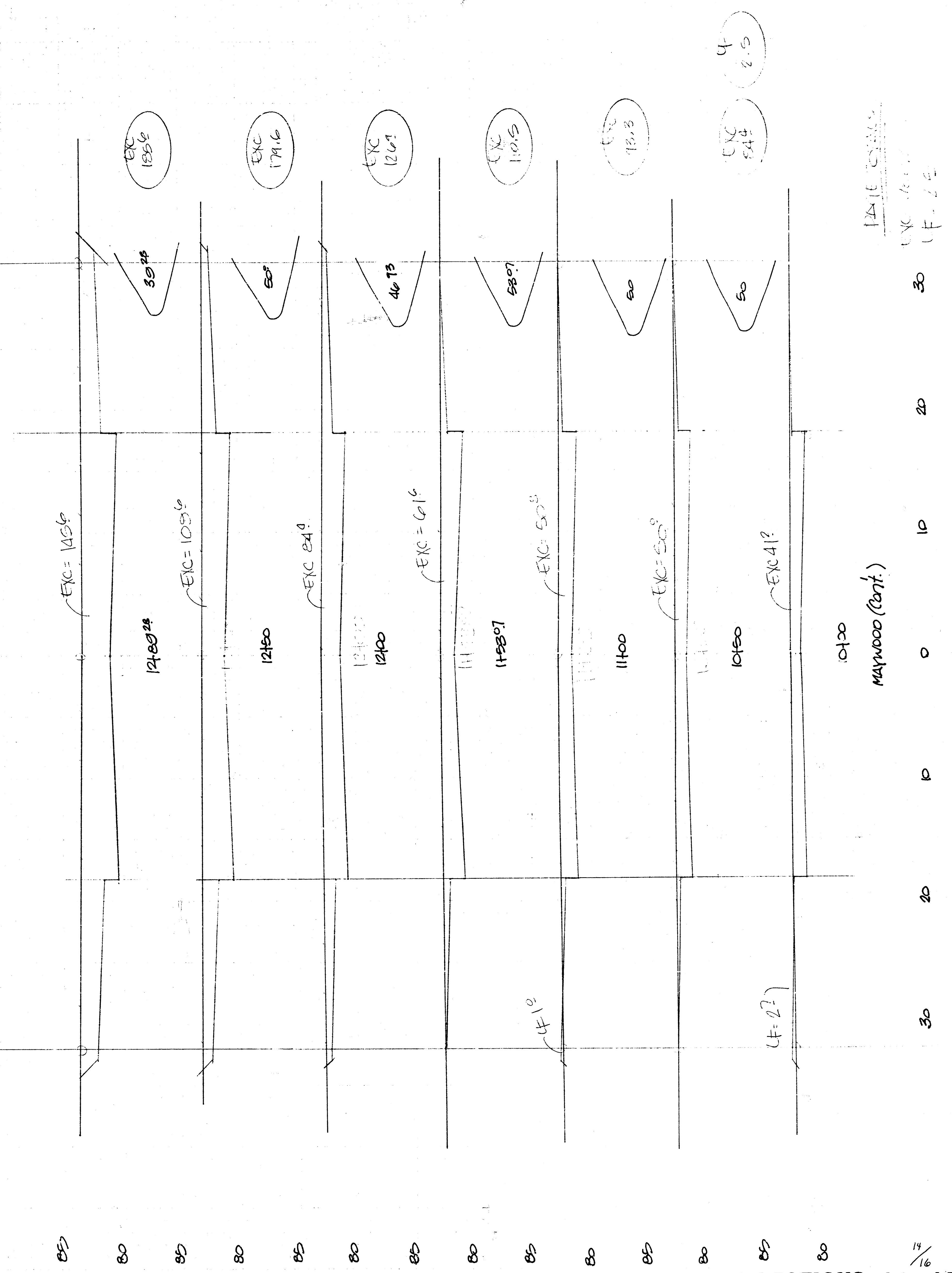


EARTHWORK SECTIONS FOR
ROBBINS FARM 2ND ADDITION

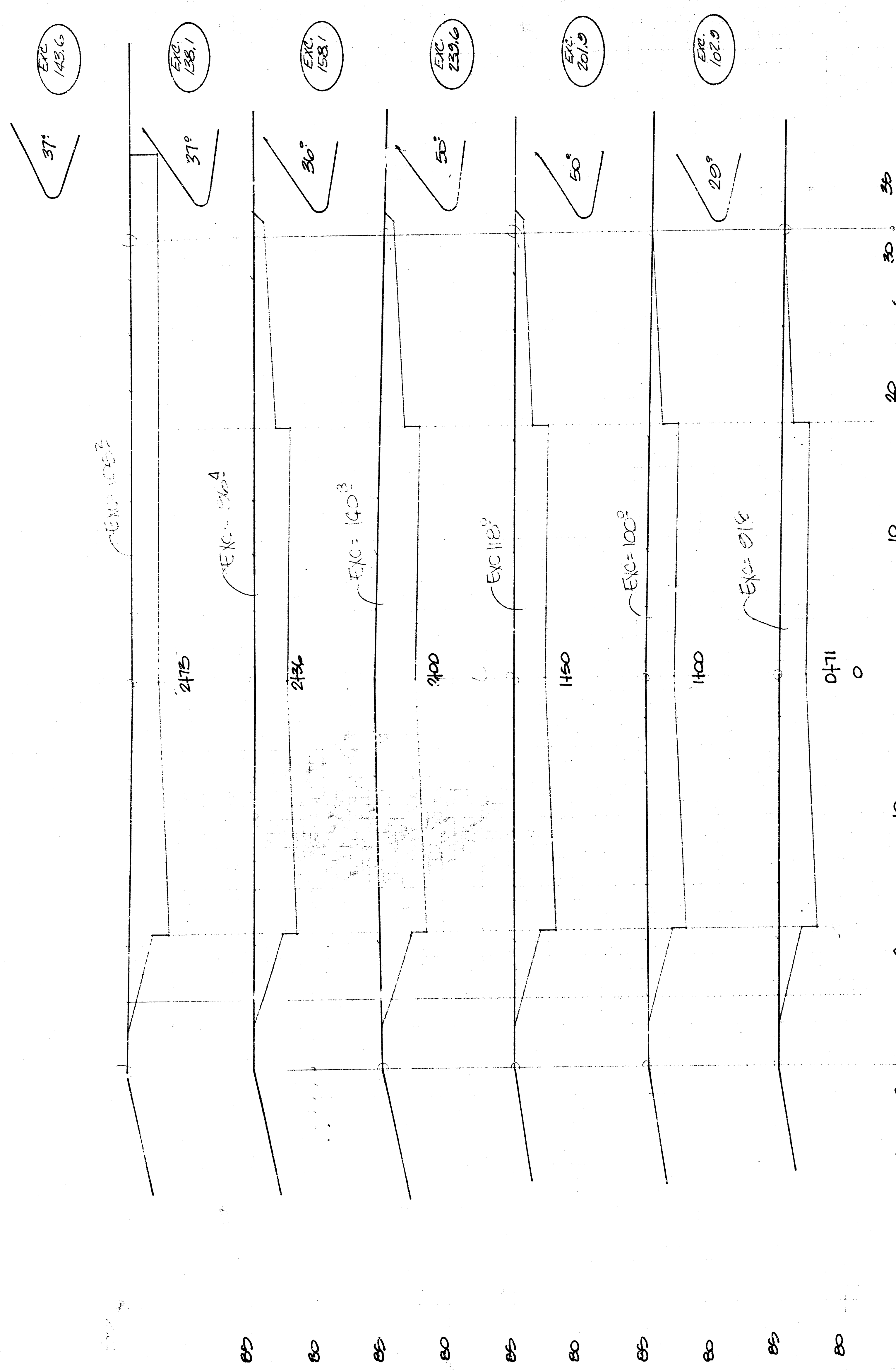
PROJECT TOTALS
 EXCAVATION 3071.0 C.Y.
 LOOSE FILL 283.6 C.Y.
 COMPACTED FILL 283.6 C.Y.
 MANIPULATED FILL 283.6 C.Y.

EARTHWORK SECTIONS 12 of 16
 472-76-245-81401-000-000-001

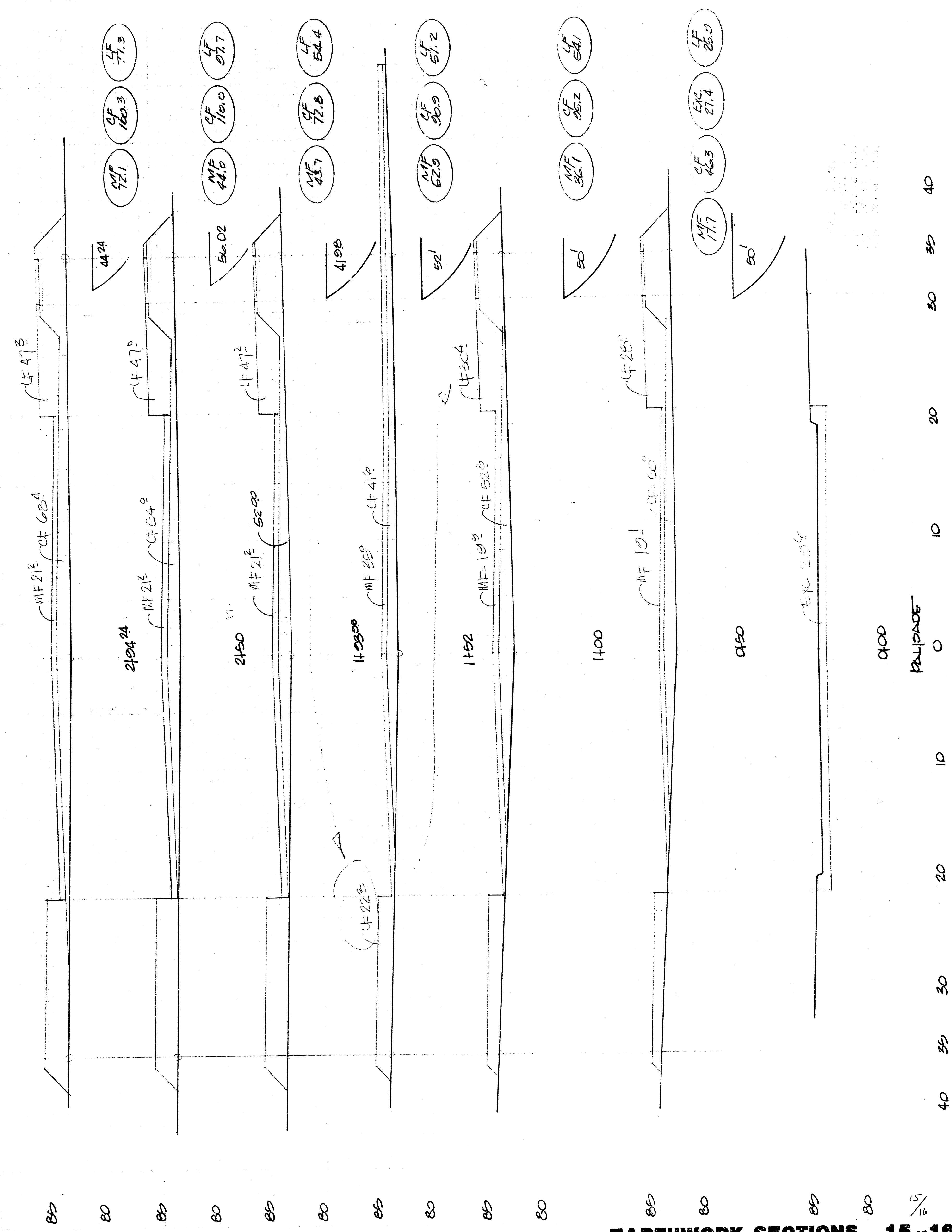
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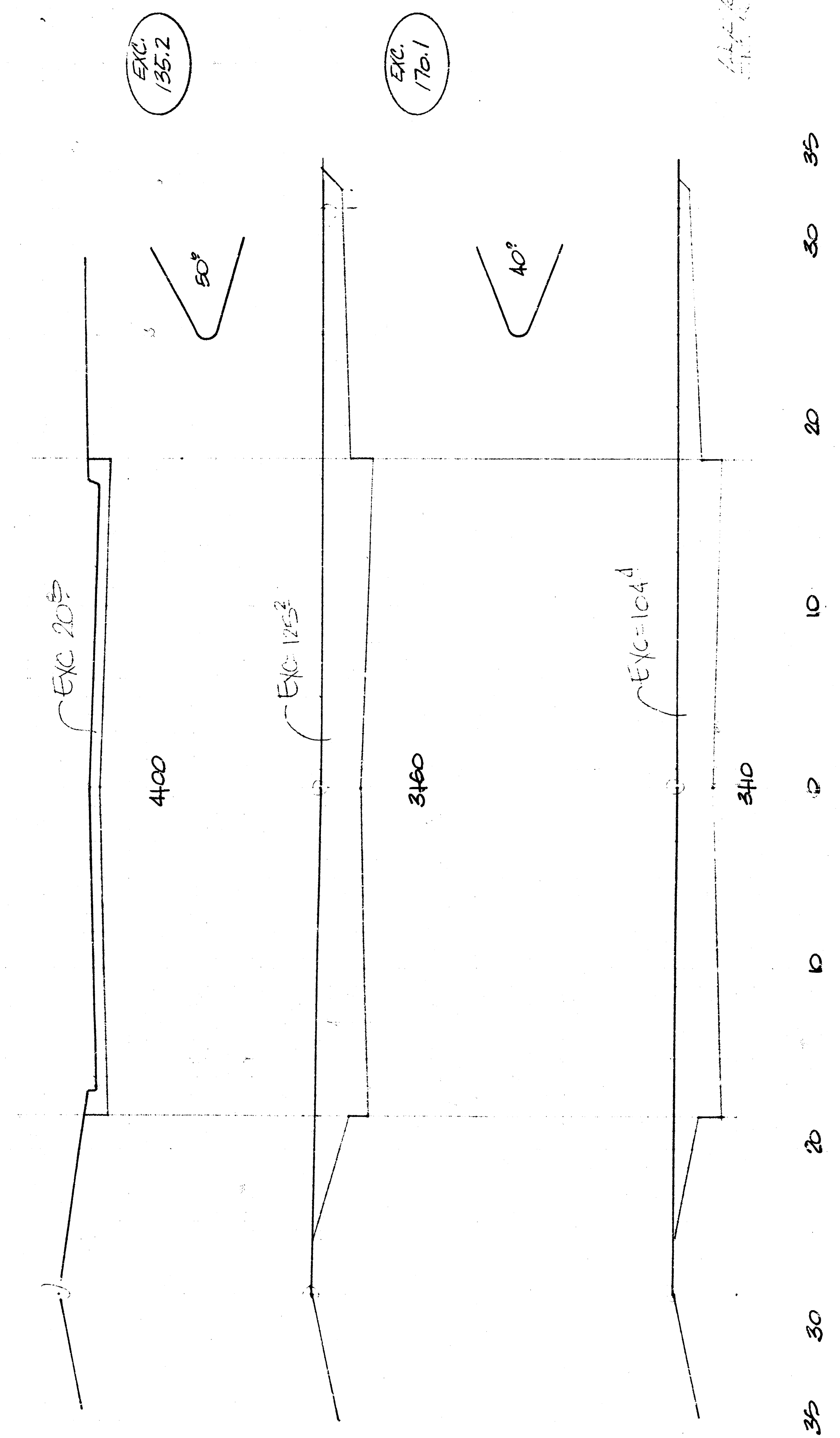
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MIDLAND



FILMED FROM THE BEST AVAILABLE COPY.....



EARTHWORK SECTIONS 10-16
472-76-245-81401-000-001

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