STREET IMPROVEMENTS FOR

ECK 3RD ADDITION

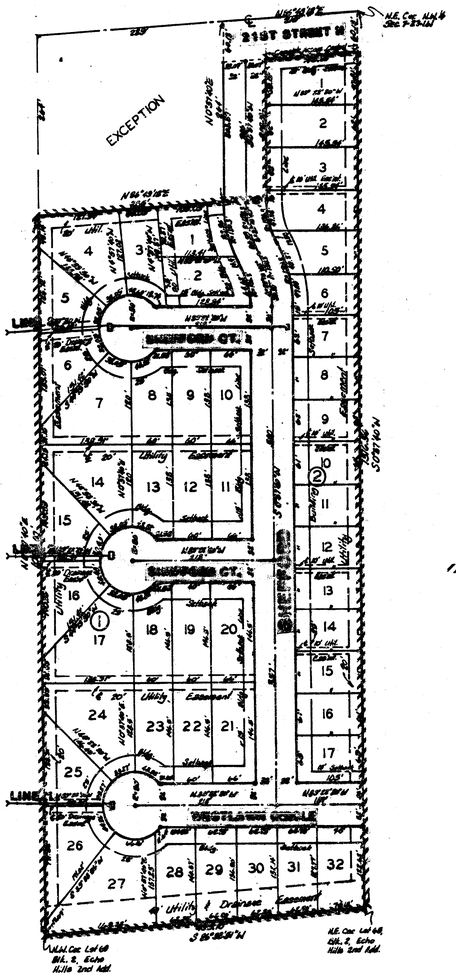
SHEFFORD: FROM THE N.L. WESTLAWN CIRCLE TO THE S.L. OF 21ST ST.
SHEFFORD CT: FROM THE W.L. SHEFFORD TO AND INCLUDING CUL-DE-SAC
SHEFFORD CT: FROM THE W.L. SHEFFORD TO AND INCLUDING CUL-DE-SAC
WESTLAWN CIRCLE: FROM THE E.L. ECK 3RD ADDN. TO AND INCLUDING CUL-DE-SAC

PROJECT NUMBER

472-76-245-81635-000-000-001

INDEX OF SHEETS

1	TITLE SHEET
2	35 FOOT PAVEMENT DETAIL
3-5	SHEFFORD
6	WESTLAWN CIRCLE
7	SHEFFORD COURT
8	SHEFFORD COURT
9	TYPE 1A CURB INLET DETAIL (5 FOOT)
10	TYPE 1A CURB INLET DETAIL (10 FOOT)
11	INCIDENTAL DRAINAGE - WESTLAWN CIRCLE
12	INCIDENTAL DRAINAGE - SHEFFORD COURT
13	INCIDENTAL DRAINAGE - SHEFFORD COURT
14-18	EARTHWORK CROSS SECTIONS



NORTH

1" : 100'

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK - CITY ENGINEER

BENCHMARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.23

////////// IMPROVEMENT DISTRICT

GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.
2. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
3. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
4. 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 permissable slopes to match the existing ground surface.
5. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.
6. The Contractor will be permitted to bid only one of the alternate types of subgrade treatment. The type bid by the successful bidder will be the type of subgrade treatment used to construct the project.
7. 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.
8. Removal of existing concrete parking lot pavements, asphalt parking lot pavements, asphalt driveway pavements and/or asphalt sidewalk pavements will be paid for as square feet of walk and drive removed.
9. Curb Inlet hookups to be paid for at the unit price bid for Type 1A Hookup, regardless of inlet length.

THOMAS CHARLES BAUGHMAN LICENSED 9021 KANSAS PROFESSIONAL ENGINEER

81635 SIC Number 88

Rev. April 30, 1987
April 13, 1987

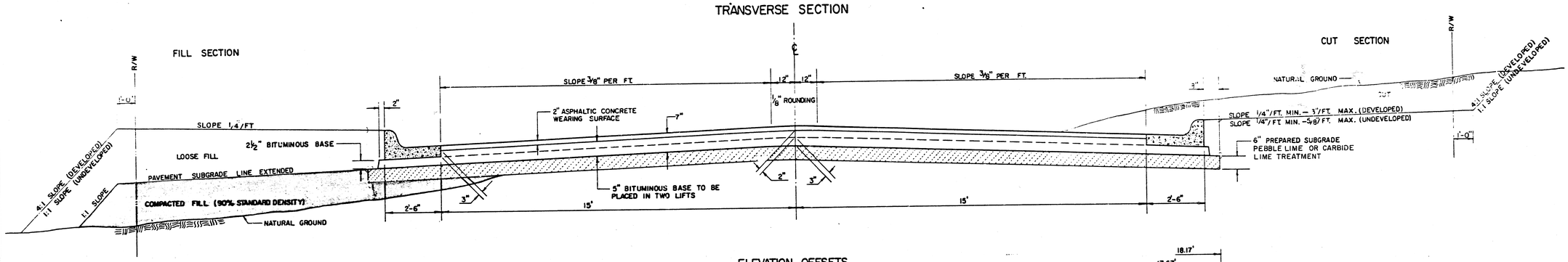
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/686-7371 . 810 ELLIS . WICHITA, KANSAS 67211

1/18

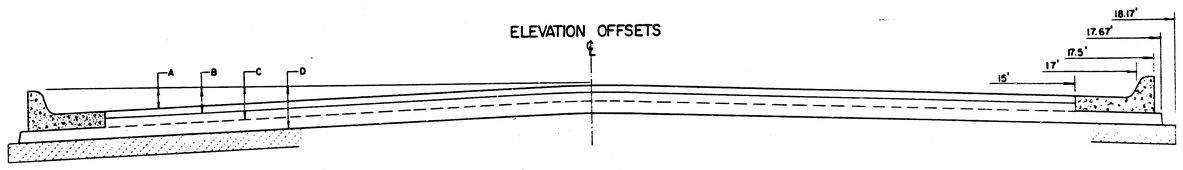
FILMED FROM THE BEST AVAILABLE COPY

TYPICAL 35' PAVEMENT DETAILS

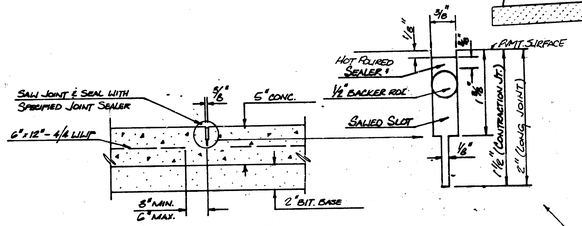
TRANSVERSE SECTION



ELEVATION OFFSETS



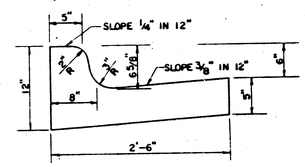
* NOTE: SEALER MATERIAL SHALL CONFORM TO ASTM D-3609 OR ASTM D-1190



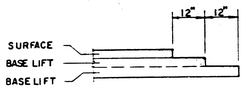
CONTRACTION JOINT FOR VALLEY GUTTER

	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

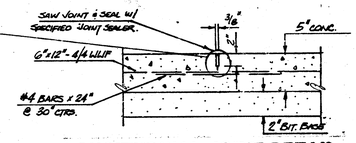
COMBINED CURB & GUTTER



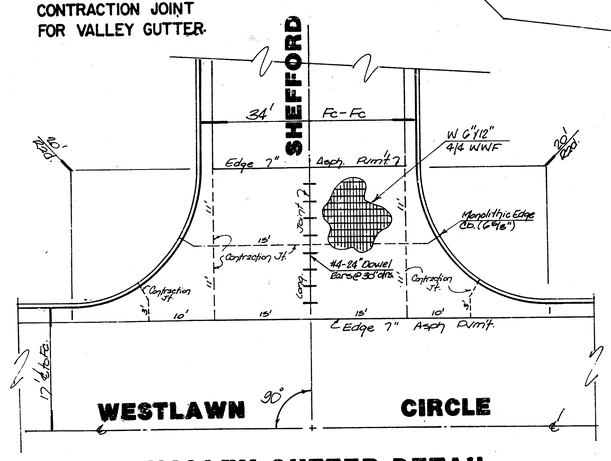
TRANSVERSE CONSTRUCTION JOINTS



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" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).



LONGITUDINAL JOINT DETAIL FOR VALLEY GUTTER



VALLEY GUTTER DETAIL

GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.

3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

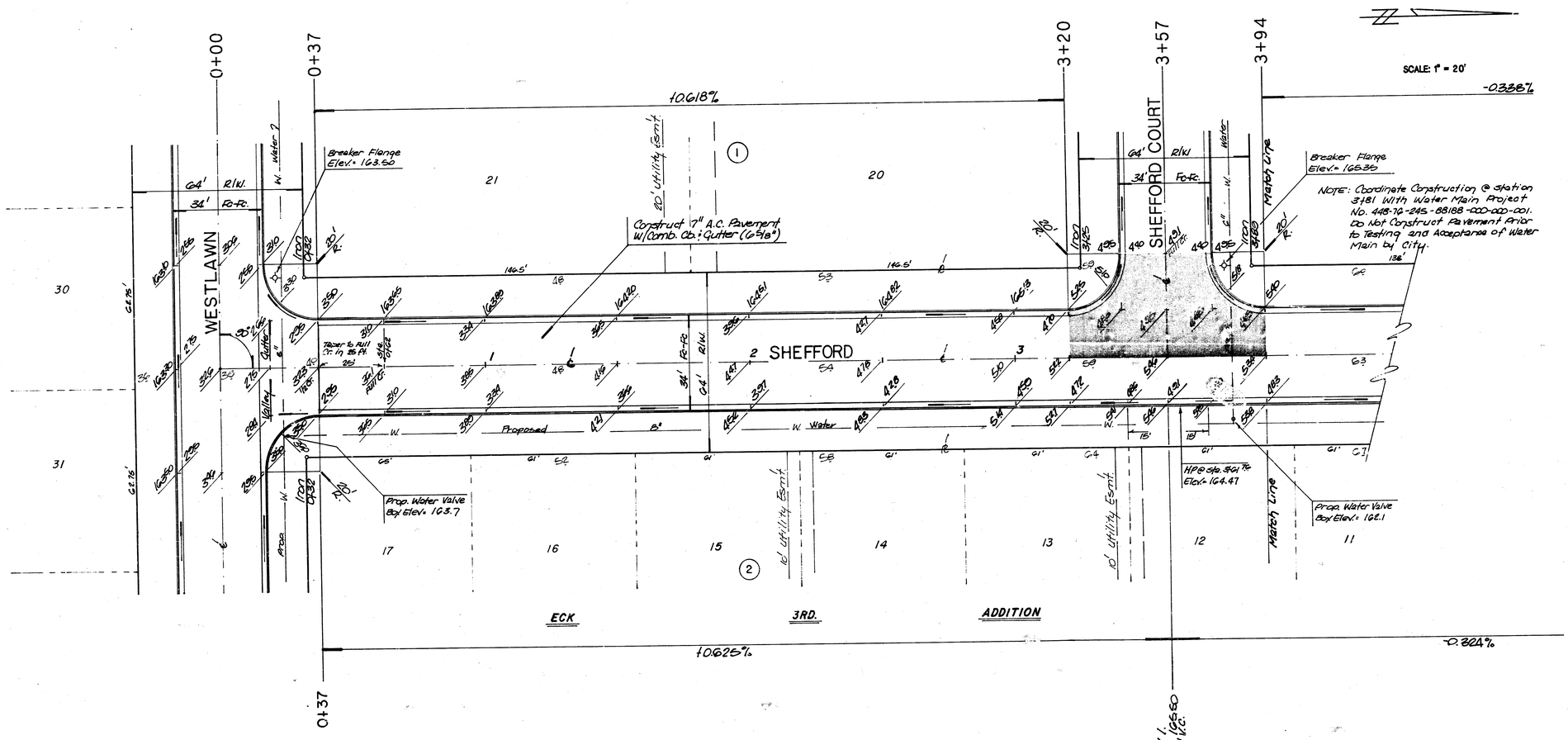
472-76-245-81635-000-000-001

2/18

FILMED FROM THE BEST AVAILABLE COPY

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.35
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



Earthwork		Totals	
Excavation=	5907.1 C.Y.	Manipulated Fill=	27.7 C.Y.
+10%	590.7 C.Y.	+10%	= 2.8 C.Y.
Total =	6497.8 C.Y.	Total =	30.5 C.Y.
Loose Fill=	232.6 C.Y.	No Compacted Fill	

Subgrade Manipulation= 8555 S.Y.

INTERSECTION QUANTITIES

____ S.Y. ____" Concrete Pavement	
219# S.Y. 7 " Asph. Conc. Pavement (5 " Bituminous Base)	
18.6 S.Y. 2 1/2 " Bituminous Base	
62# L.F. Combined Curb and Gutter	
____ L.F. Monolithic Edge Curb	
____ S.F. 4" Wheelchair Ramp	
____ S.F. 4" Walk	
241# S.Y. Manipulation	
____ S.Y. V.G. ____" Concrete and ____" Asphaltic Conc. Base	

BAUGHMAN COMPANY, P.A.
Wichita, Kansas

SHEFFORD

472-76-245-81635-000-000-001

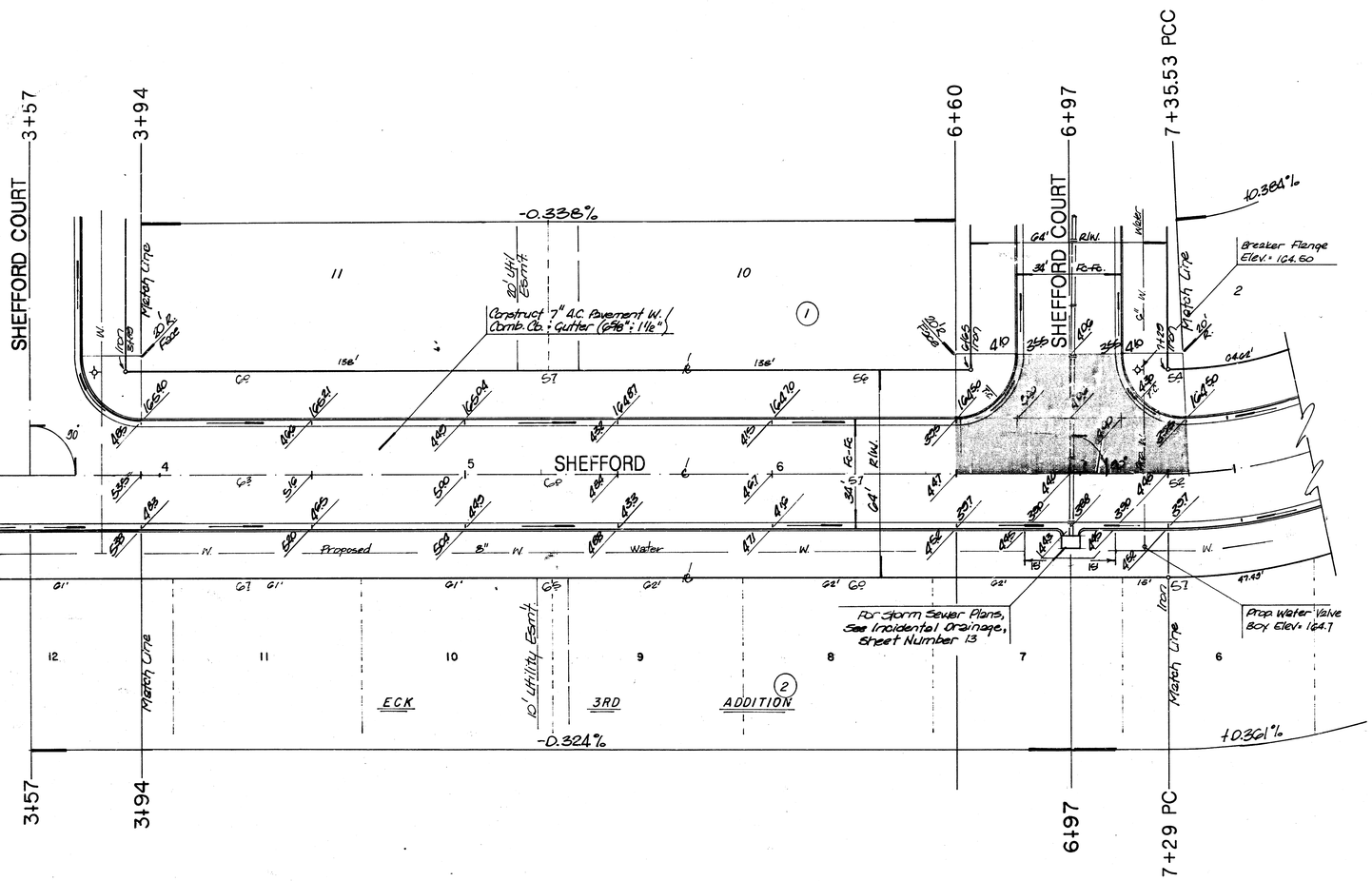
DATE	SCALE	SHEET
	1"= 20 '	3/18

3/18

FILMED FROM THE BEST AVAILABLE COPY ....

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



SCALE: 1" = 20'

NOTE: Coordinate Construction @ Station 7+21 With Water Main Project Number 448-16-245-88168-000-000-001. Do Not Construct Pavement Prior To Testing & Acceptance of Water Main by City.

INTERSECTION QUANTITIES

- ____ S.Y. ____" Concrete Pavement
- 222 S.Y. 1 " Asph. Conc. Pavement (5 " Bituminous Base)
- 18 S.Y. 2½" Bituminous Base
- 68 L.F. Combined Curb and Gutter
- ____ L.F. Monolithic Edge Curb
- ____ S.F. 4" Wheelchair Ramp
- ____ S.F. 4" Walk
- 148 S.Y. Manipulation
- ____ S.Y. V.G. ____" Concrete and ____" Asphaltic Conc. Base

BAUGHMAN COMPANY, P.A.
Wichita, Kansas

SHEFFORD

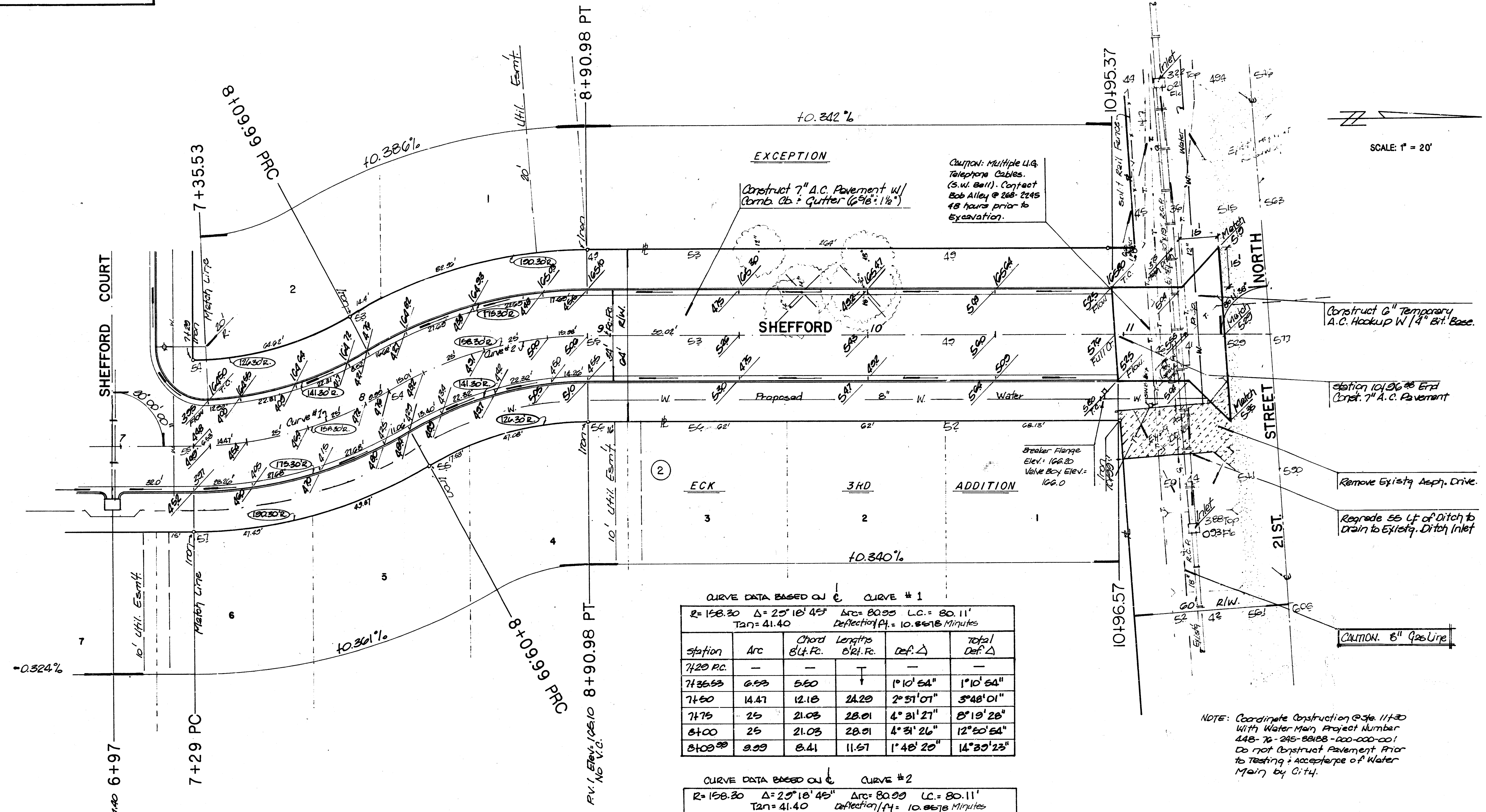
472-76-245-81635-000-000-001

DATE	SCALE	SHEET
	1"= 20 '	4/18

FILMED FROM THE BEST AVAILABLE COPY

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



CURVE DATA BASED ON ℄ CURVE #1

R= 158.30 Δ= 29°18'45" Arc= 80.99 L.C.= 80.11'
Tan= 41.40 Deflection/ft.= 10.8578 Minutes

Station	Arc	Chord Lengths 8' Lt. Fc.	Chord Lengths 8' Rt. Fc.	Def. Δ	Total Def. Δ
7+29 P.C.	—	—		—	—
7+35.53	6.53	5.50		1°10'54"	1°10'54"
7+50	14.47	12.18	24.29	2°37'07"	3°48'01"
7+75	25	21.03	28.01	4°31'27"	8°19'28"
8+00	25	21.03	28.51	4°31'26"	12°50'54"
8+09.99	9.99	8.41	11.57	1°48'29"	14°39'23"

CURVE DATA BASED ON ℄ CURVE #2

R= 158.30 Δ= 29°18'45" Arc= 80.99 L.C.= 80.11'
Tan= 41.40 Deflection/ft.= 10.8578 Minutes

Station	Arc	Chord Lengths 8' Lt. Fc.	Chord Lengths 8' Rt. Fc.	Def. Δ	Total Def. Δ
8+09.99	—	—	—	—	—
8+25	15.01	17.38	12.64	2°42'59"	2°42'59"
8+50	25	28.51	21.03	4°31'26"	7°14'25"
8+75	25	28.51	21.03	4°31'27"	11°45'52"
8+90.98	15.98	18.50	13.44	2°53'31"	14°39'23"

NOTE: Coordinate Construction @ Sta. 11+30 With Water Main Project Number 448-76-245-88188-000-000-001 Do not Construct Pavement Prior to Testing & Acceptance of Water Main by City.

BAUGHMAN COMPANY, P.A.
Wichita, Kansas

SHEFFORD

472-76-245-81635-000-000-001 5/18

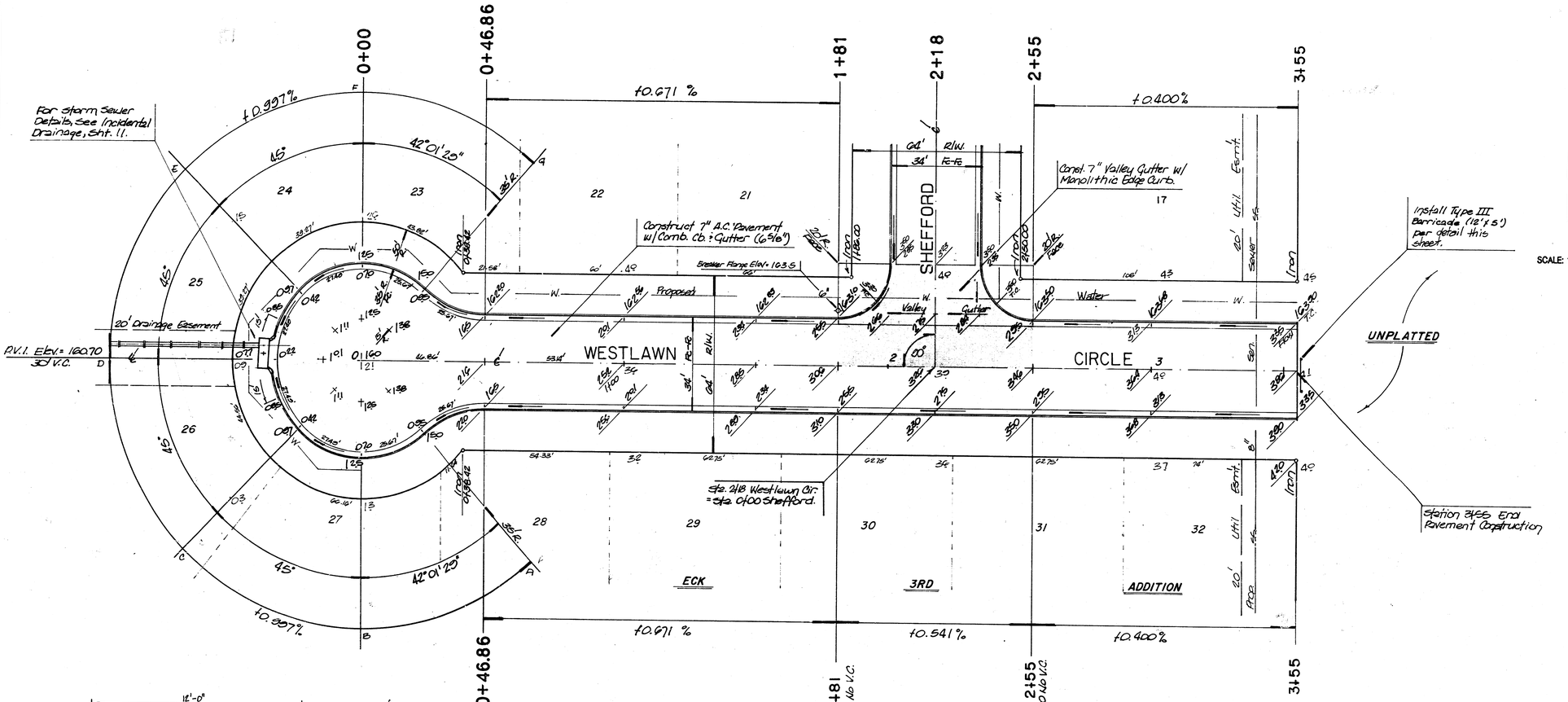
DATE	SCALE	SHEET
	1"= 20'	5/18

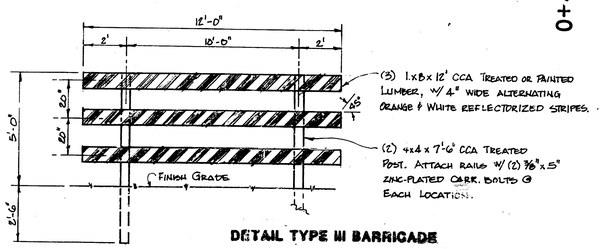
FILMED FROM THE BEST AVAILABLE COPY ....

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.68
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the S.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.26

Note: Coordinate Construction of Shefford Intersection With Water Main, Proj. No. 448-76-245-88188-000-000-001, And Lateral 287, SW1, Proj. No. 468-76-245-81668-000-000-001. Do Not Construct Pavement Prior to Testing and Acceptance of These Projects by the City.





DETAIL TYPE III BARRICADE

INTERSECTION QUANTITIES

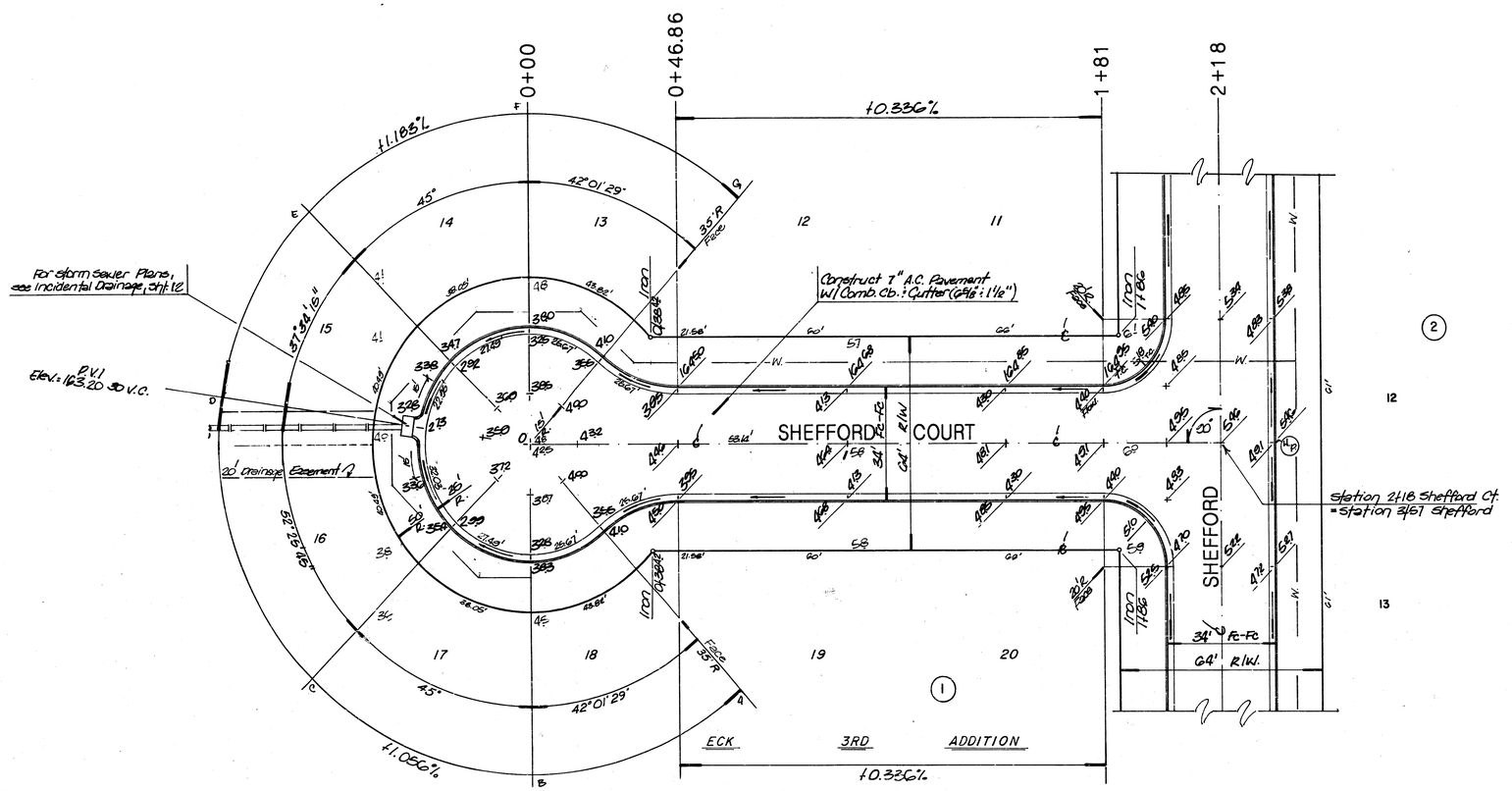
____ S.Y.	____" Concrete Pavement
1235 S.Y.	7 " Asph. Conc. Pavement (5 " Bituminous Base)
____ S.Y.	____" Bituminous Base
____ L.F.	Combined Curb and Gutter
618 L.F.	Monolithic Edge Curb
____ S.F.	4" Wheelchair Ramp
____ S.F.	4" Walk
1429 S.Y.	Manipulation
1145 S.Y.	V.C. 5" Concrete and 2" Asphaltic Conc. Base

BAUGHMAN COMPANY, P.A. Wichita, Kansas			
WESTLAWN CIRCLE			
472-76-245-81635-000-000-001			6/18
DATE	SCALE	SHEET	
	1"=20	6/18	

FILMED FROM THE BEST AVAILABLE COPY

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thistle at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 168.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28

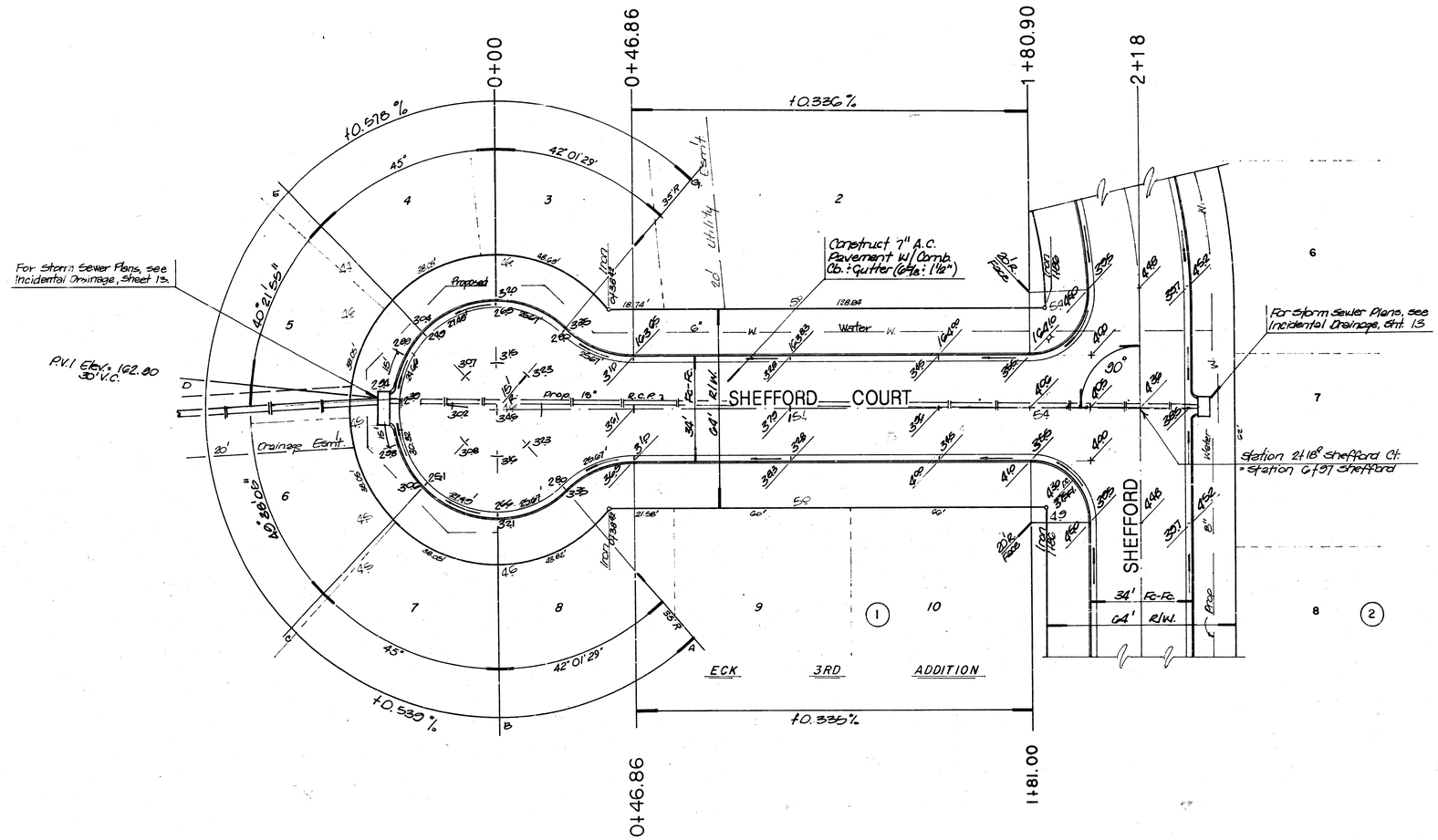


BAUGHMAN COMPANY, P.A. Wichita, Kansas			
SHEFFORD CT.			
472-76-245-81635-000-000-001			7/18
DATE	SCALE	SHEET	
	1"=20'	7/18	

FILMED FROM THE BEST AVAILABLE COPY.....

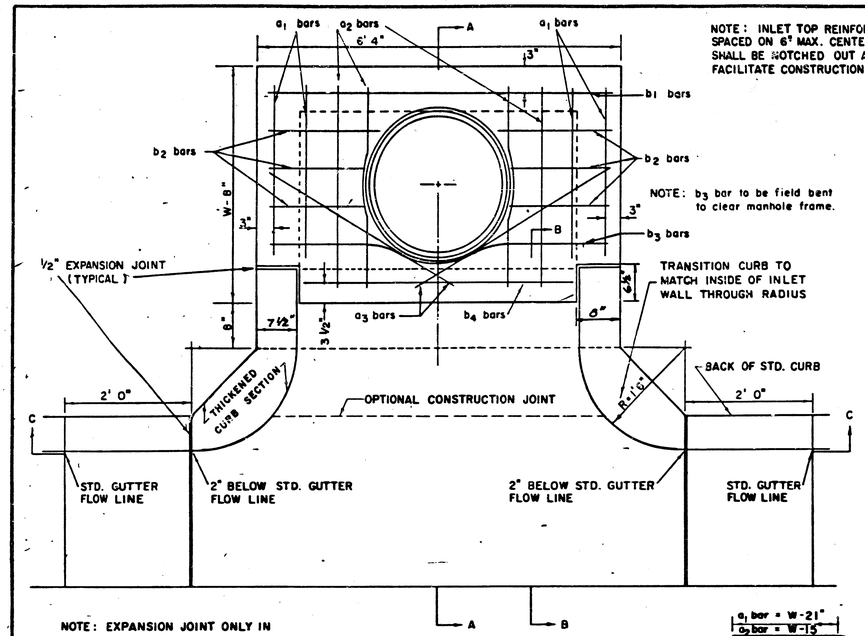
BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



BAUGHMAN COMPANY, P.A. Wichita, Kansas		
SHEFFORD CT.		
472-76-245-81635-000-000-001		
DATE	SCALE	SHEET
	1"=20	8/18

FILMED FROM THE BEST AVAILABLE COPY

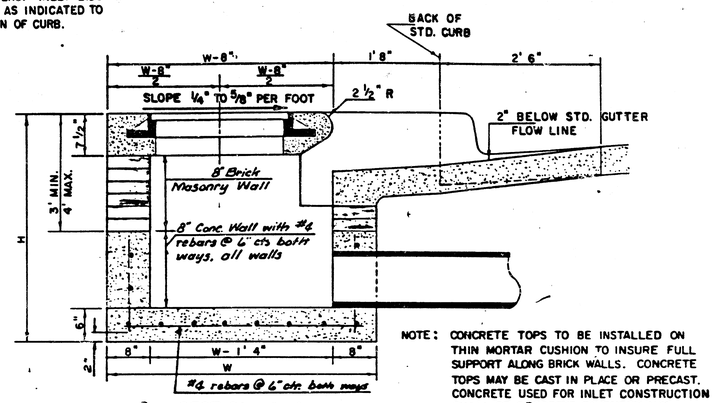


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

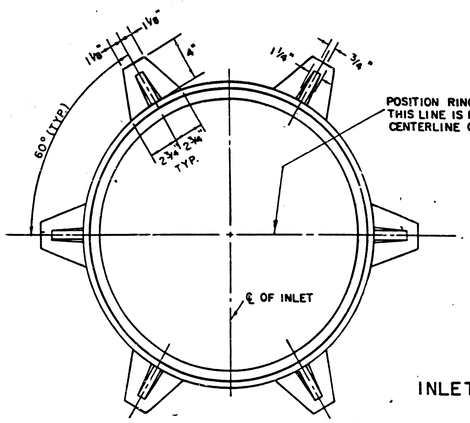
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b_3 bar to be field bent to clear manhole frame.



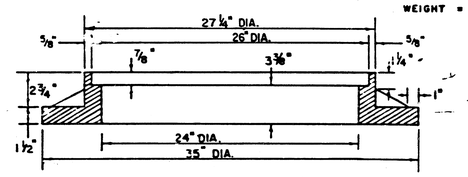
SECTION A-A

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.

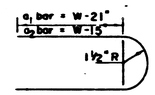


INLET FRAME

WEIGHT = 180 LBS.



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



BENDING DIAGRAM

STEEL SCHEDULE

BAR	a_1	a_2	a_3*	b_1 W=4'4"	b_1 W=5'4"	b_1 W=6'4"	b_1 W=7'4"	b_1 W=8'4"	b_2	b_3	b_4	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'4"	5'7"	6'7"	4'0"	6' 1"	–	–	–	–	1' 9"	6' 2"	4' 8"	60±
LENGTH W=5'4"	7'7"	8'7"	5'0"	–	6' 1"	–	–	–	1' 9"	6' 2"	4' 8"	81 ±
LENGTH W=6'4"	9'7"	10'7"	6'0"	–	–	6' 1"	–	–	1' 9"	6' 2"	4' 8"	101±
LENGTH W=7'4"	11'7"	12'7"	7'0"	–	–	–	6' 1"	–	1' 9"	6' 2"	4' 8"	121±
LENGTH W=8'4"	13'7"	14'7"	8'0"	–	–	–	–	6' 1"	1' 9"	6' 2"	4' 8"	141±

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

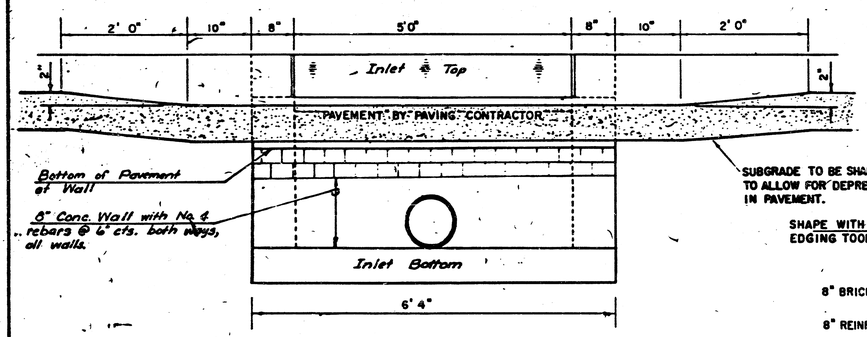
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8" x 6'4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8" x 6'4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8" x 6'4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8" x 6'4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8" x 6'4" x 7 1/2"	60" & 66"	0.90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

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.

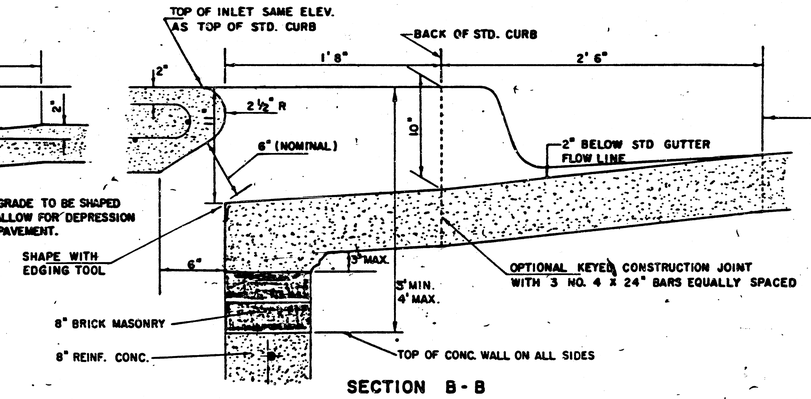
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

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.



SECTION C-C



SECTION B-B

REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

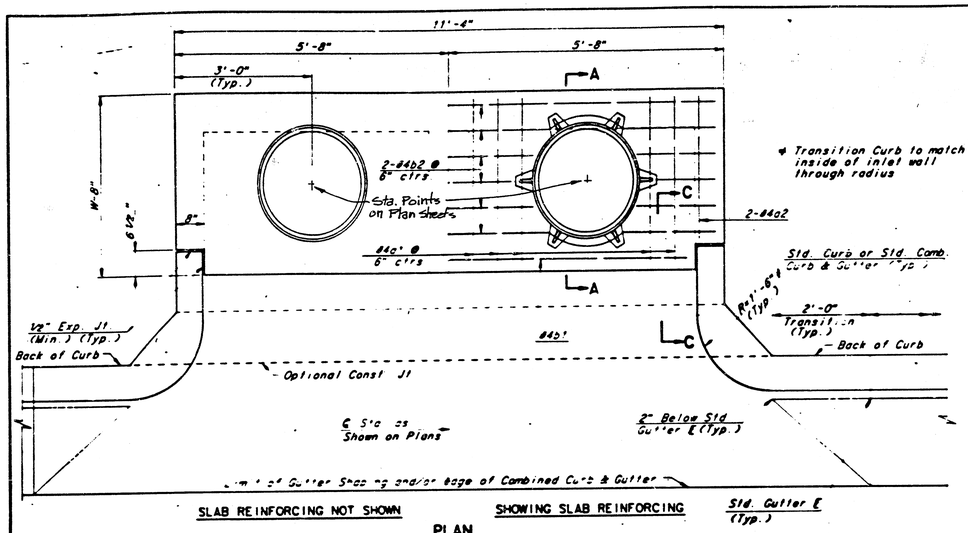
INLET OPENING = 6" x 5'0"

472-76-245-81635-008-000-001

JUNE 1984

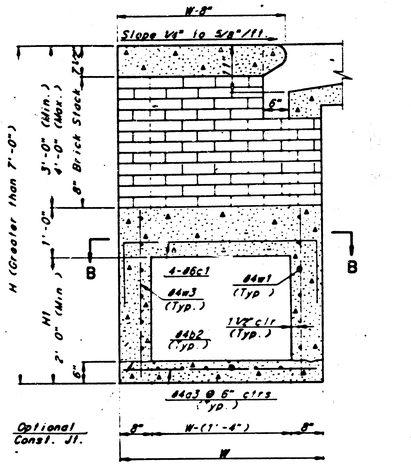
9/18

FILMED FROM THE BEST AVAILABLE COPY

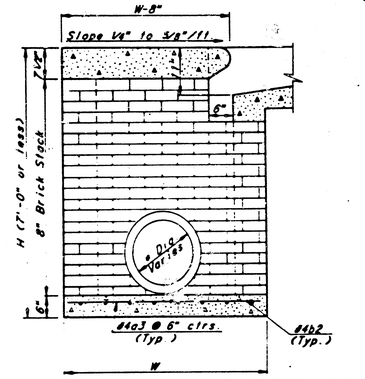


PLAN

* Transition Curb to match inside of inlet wall through radius



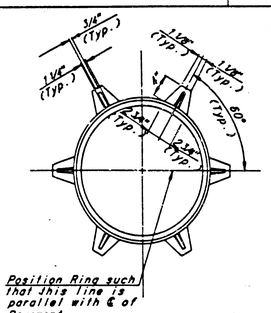
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)

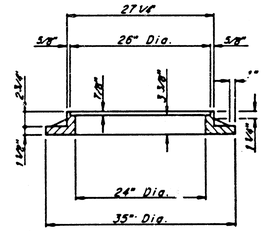


TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

* A center wall opening shall be provided by means of a section of reinforced concrete pipe. The minimum diameter used shall be that of the outlet pipe.

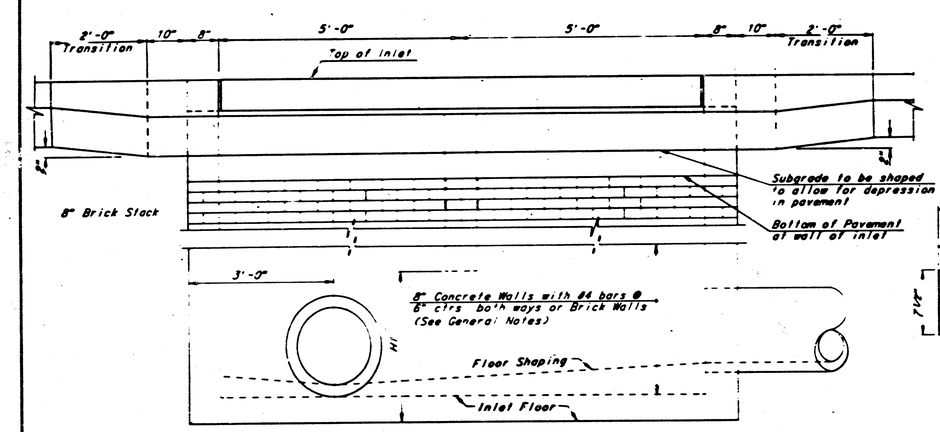
PROJECT NO.	SHEET NO.	TOTAL SHEETS



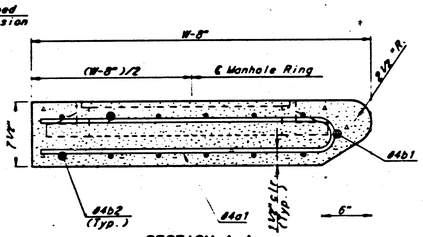


CAST IRON INLET RING
Wt.=180 lbs.

See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.

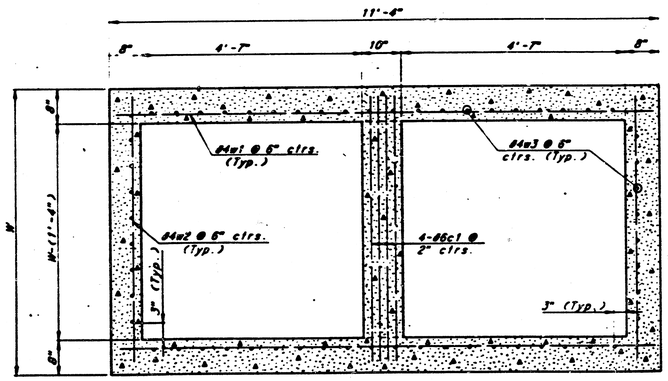


ELEVATION



SECTION A-A

SECTION C-C



SECTION B-B

SLAB AND FLOOR REINFORCING

MARK	SIZE	W=4'-4" NO.	W=4'-4" LENGTH	W=5'-4" NO.	W=5'-4" LENGTH	W=6'-4" NO.	W=6'-4" LENGTH	W=7'-4" NO.	W=7'-4" LENGTH	W=8'-4" NO.	W=8'-4" LENGTH
a1	#4	13	6'-7 1/4"	13	8'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
ab2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

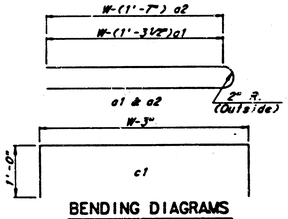
WALL REINFORCING

MARK	SIZE	W=4'-4" NO.	W=4'-4" LENGTH	W=5'-4" NO.	W=5'-4" LENGTH	W=6'-4" NO.	W=6'-4" LENGTH	W=7'-4" NO.	W=7'-4" LENGTH	W=8'-4" NO.	W=8'-4" LENGTH
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	(1)	11'-1"	(1)	11'-1"	(1)	11'-1"	(1)	11'-1"	(1)	11'-1"
w2	#4	(1)	4'-1"	(1)	5'-1"	(1)	6'-1"	(1)	7'-1"	(1)	8'-1"
w3	#4	(2)	(3)	(2)	(3)	(2)	(3)	(2)	(3)	(2)	(3)

* Field bend or cut Reinforcing as required for clearance
(1) 4(H1-6")+4 (H1-6") Rounded down to nearest 0.5'
(2) 40+4(W - 16") (3) H1+(9")

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" OR LESS AND H=7'-0" OR LESS WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0". THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION, AS SHOWN FOR THE MASONRY WALL OPTION.
2. INLET INVERT SHALL BE SHAPED WITH A 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.
3. 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.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



BENDING DIAGRAMS

REVISED 12-21-84

STANDARD TYPE 1A CURB INLET

INLET OPENING = 6" x10'-0"

PROJECT NO.
472-76-245-01636-000-000-001
WICHITA, KANSAS

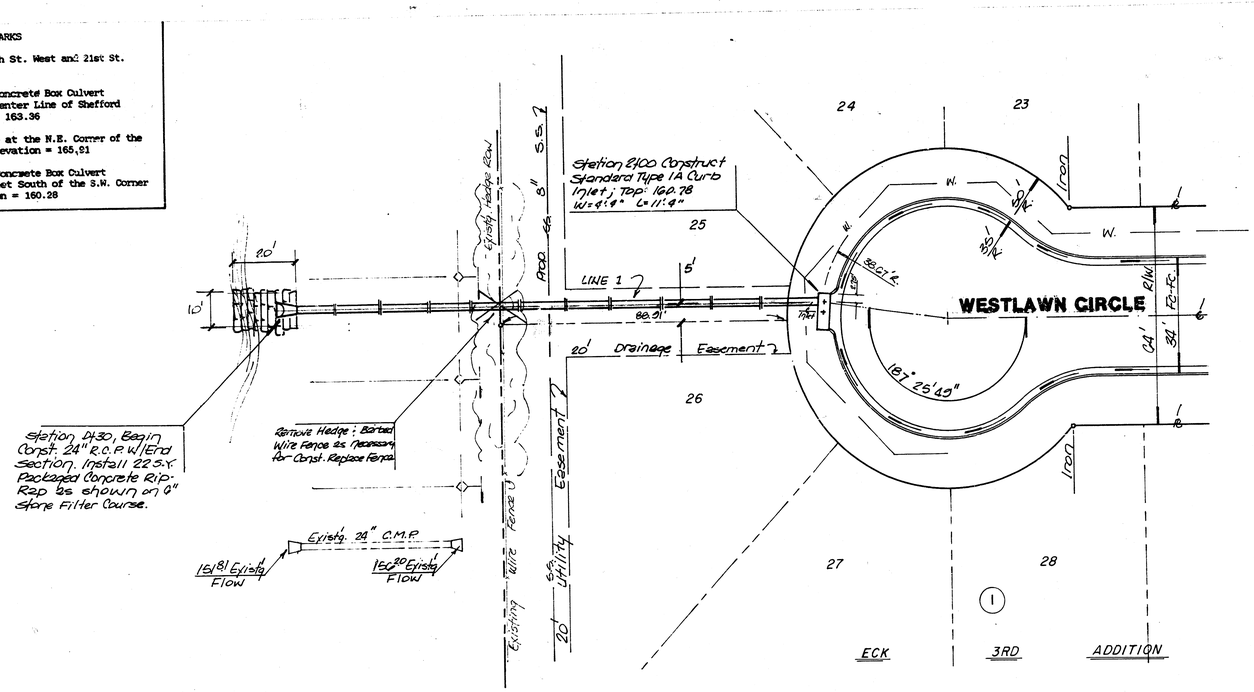
10/18

Designed by	BER, KJS, MHB	Checked by	MHB	
Drawn by	JCP	Date	Nov., 1984	10/18

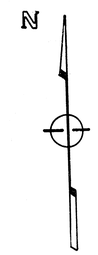
FILMED FROM THE BEST AVAILABLE COPY

BENCH MARKS

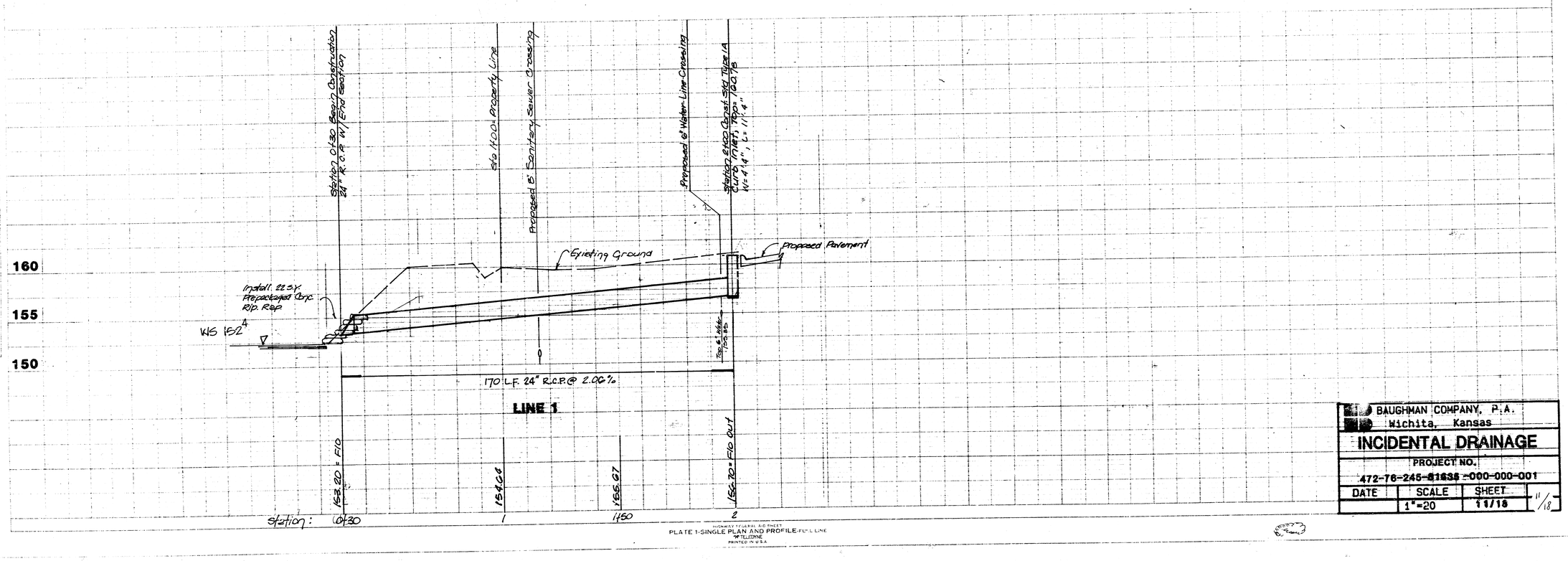
1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



Note: Coordinate Construction with Sanitary Sewer Lateral 287, S.W.I., and Water Main Proj. No. 448-76-245-81838-000-000-001 Do Not Construct Storm Sewer Prior to testing & Acceptance of Water Main and Sanitary Sewer by City.



Scale 1"=20' Plan
1"=5' Profile



BAUGHMAN COMPANY, P.A. Wichita, Kansas		
INCIDENTAL DRAINAGE		
PROJECT NO. 472-76-245-81838-000-000-001		
DATE	SCALE	SHEET
	1"=20	11/15

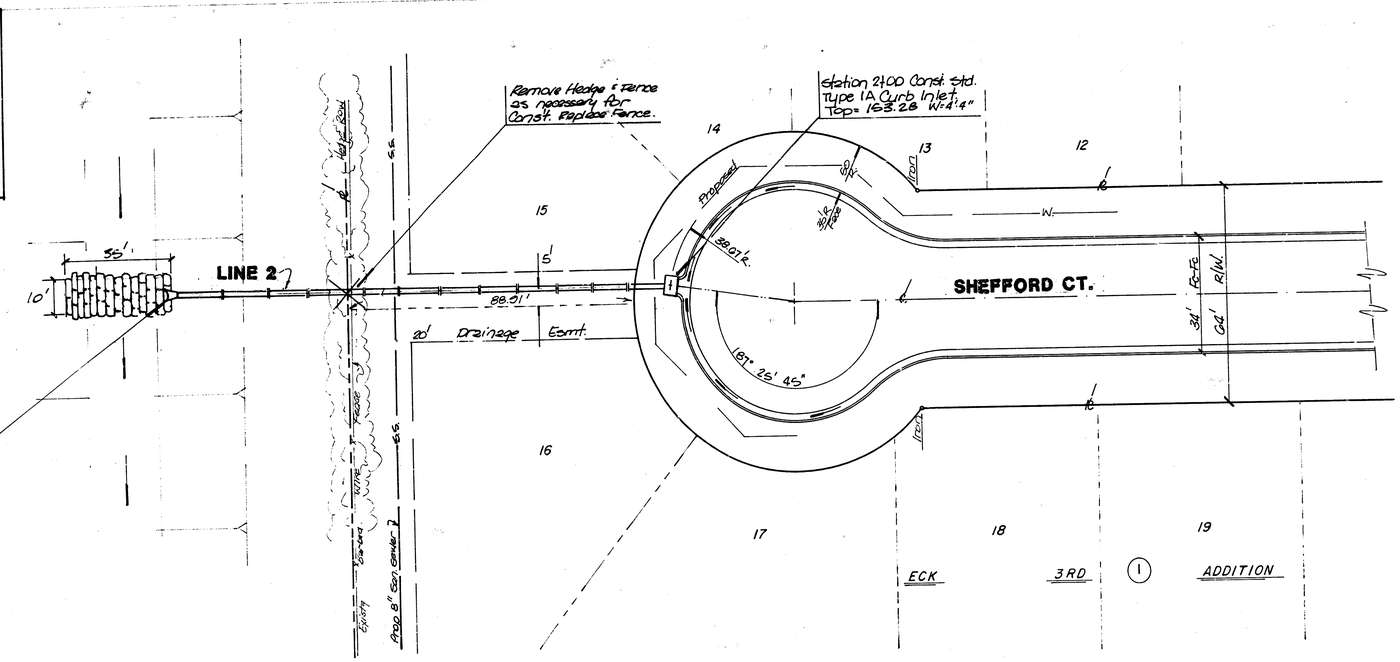
11/18

PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

FILMED FROM THE BEST AVAILABLE COPY.....

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



N

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

NOTE: Coordinate Construction with Sanitary Sewer Lateral #231, S.W.L., and Water Line Proj. No 448-76-245-88188-000-000-001. Do not Construct Storm Sewer Prior to Testing: Acceptance of Water Main & San. Sewer by City.

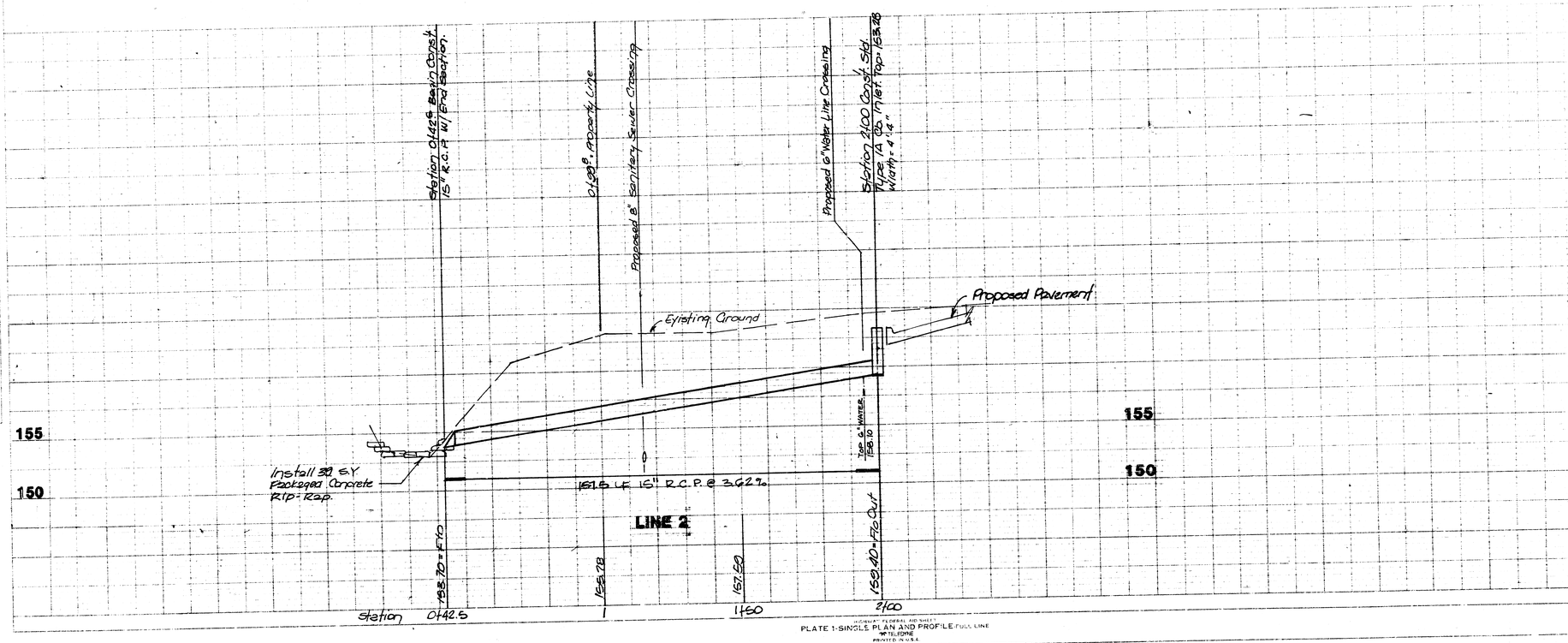


PLATE 1-SINGLE PLAN AND PROFILE FULL LINE

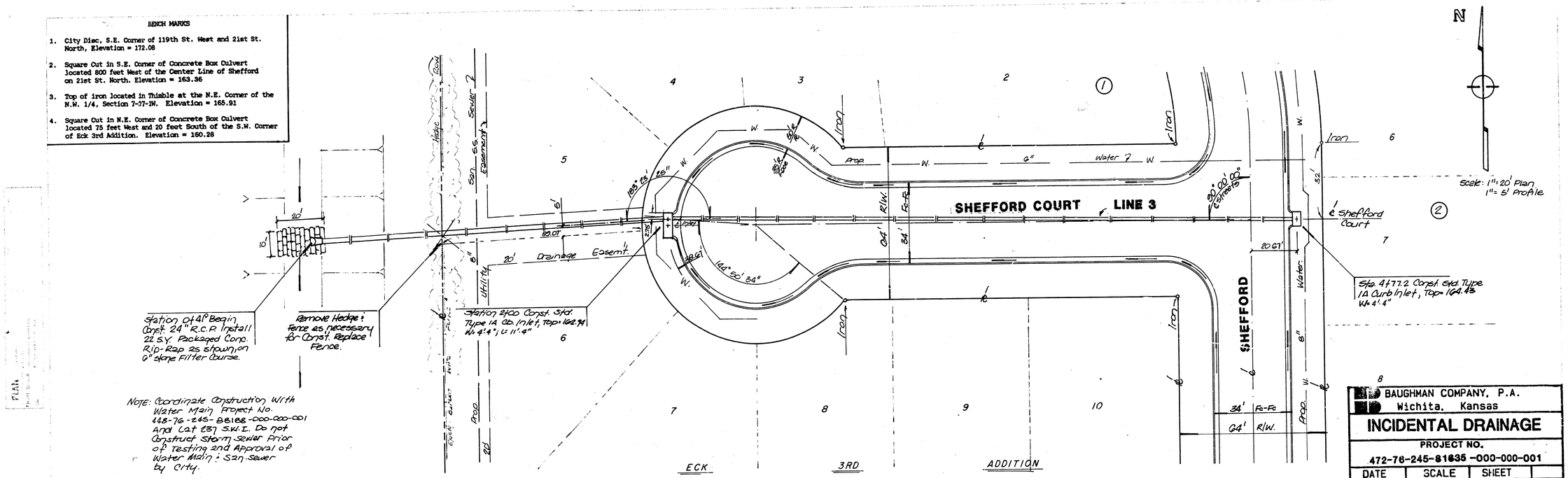
BAUGHMAN COMPANY, P.A. Wichita, Kansas		
INCIDENTAL DRAINAGE		
PROJECT NO. 472-76-245-81838-000-000-001		
DATE	SCALE	SHEET
	1"=20	12/18

12/18

FILMED FROM THE BEST AVAILABLE COPY

BENCH MARKS

1. City Disc, S.E. Corner of 119th St. West and 21st St. North, Elevation = 172.08
2. Square Cut in S.E. Corner of Concrete Box Culvert located 800 feet West of the Center Line of Shefford on 21st St. North. Elevation = 163.36
3. Top of iron located in Thimble at the N.E. Corner of the N.W. 1/4, Section 7-27-1W. Elevation = 165.91
4. Square Cut in N.E. Corner of Concrete Box Culvert located 75 feet West and 20 feet South of the S.W. Corner of Eck 3rd Addition. Elevation = 160.28



BAUGHMAN COMPANY, P.A.
Wichita, Kansas

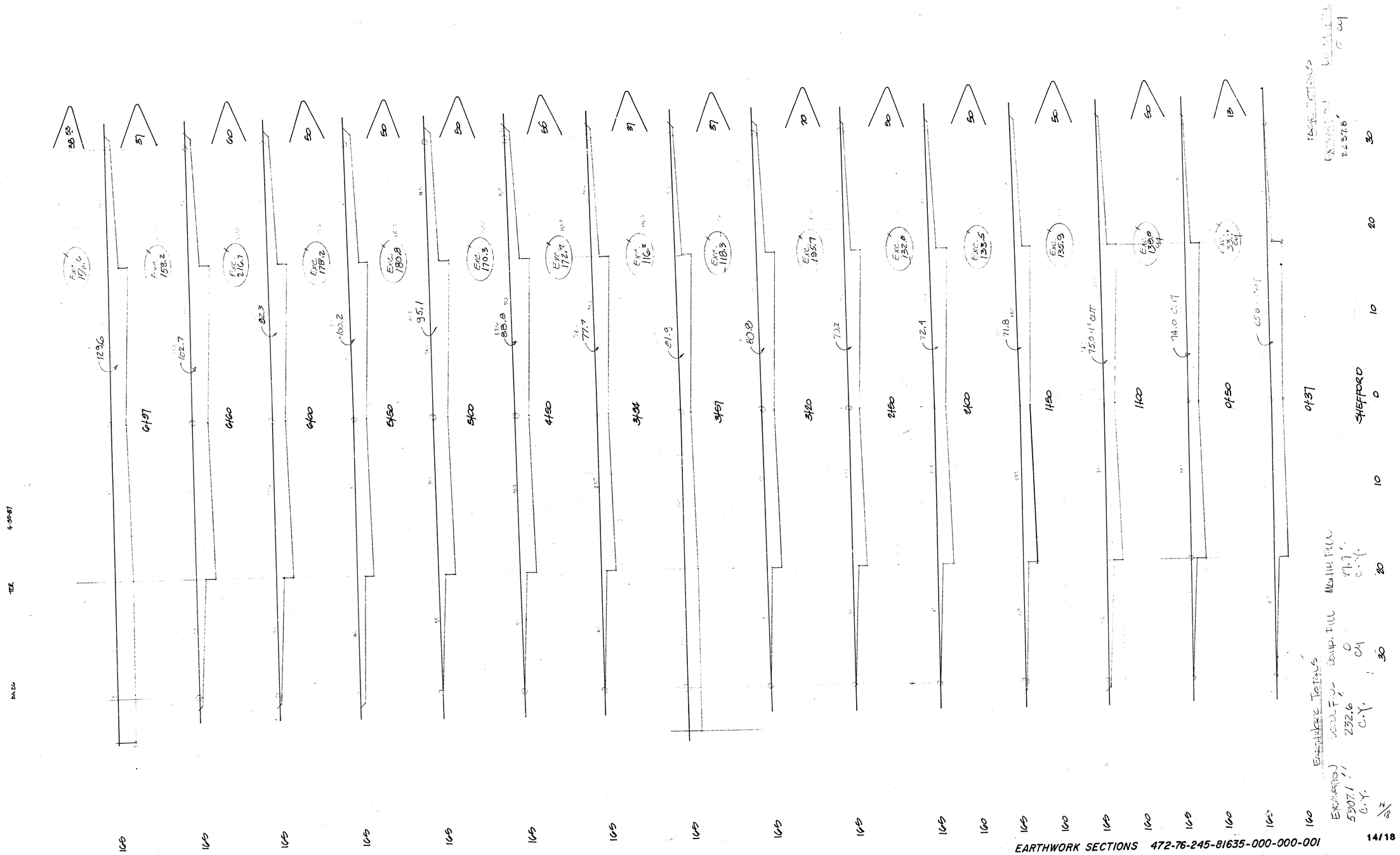
INCIDENTAL DRAINAGE

PROJECT NO.
472-76-245-81635-000-000-001

DATE	SCALE	SHEET	
	1"=20	13/18	

PLATE 1-SINGLE PLAN AND PROFILE FULL LINE

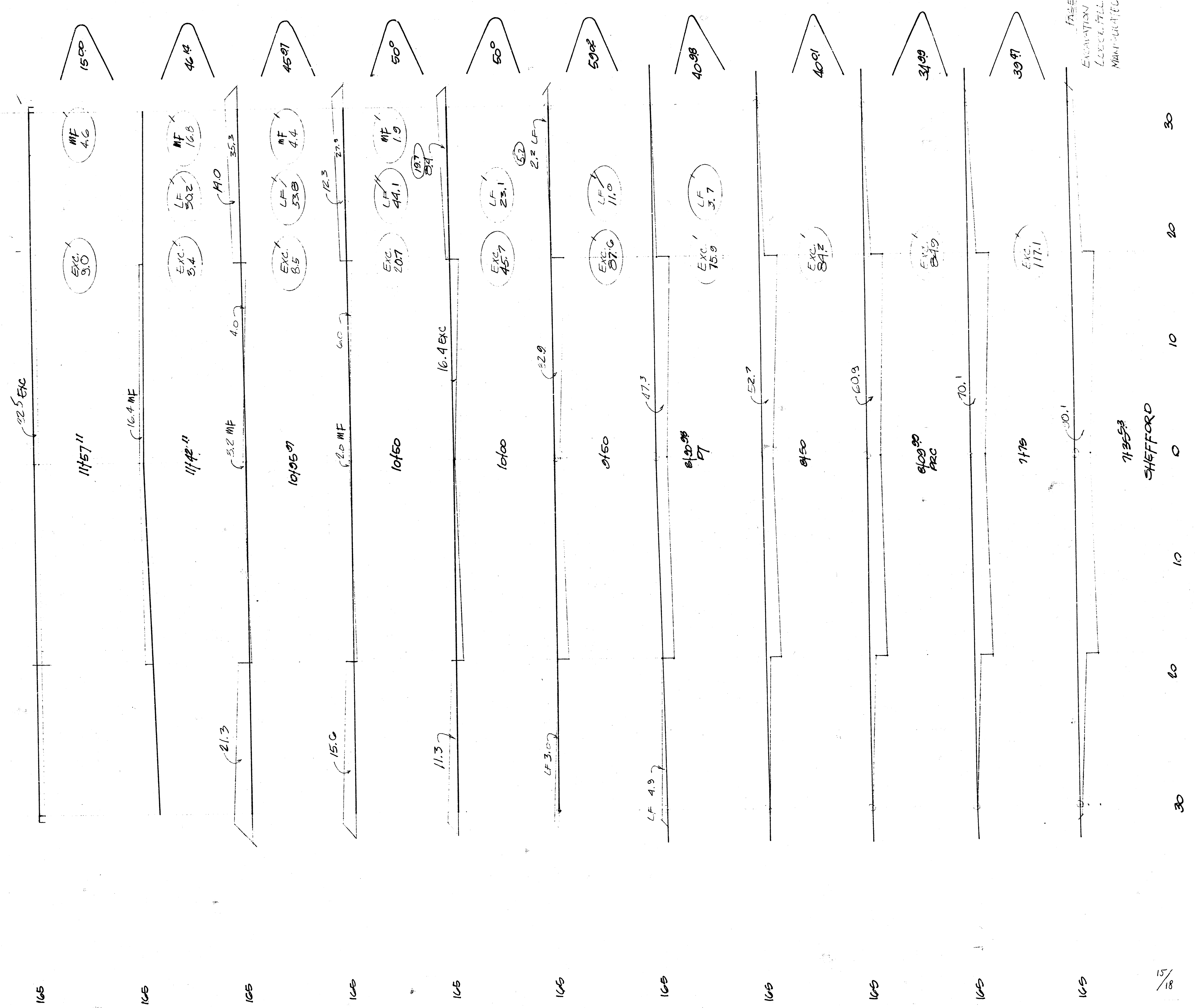
FILMED FROM THE BEST AVAILABLE COPY



EARTHWORK SECTIONS 472-76-245-81635-000-000-001

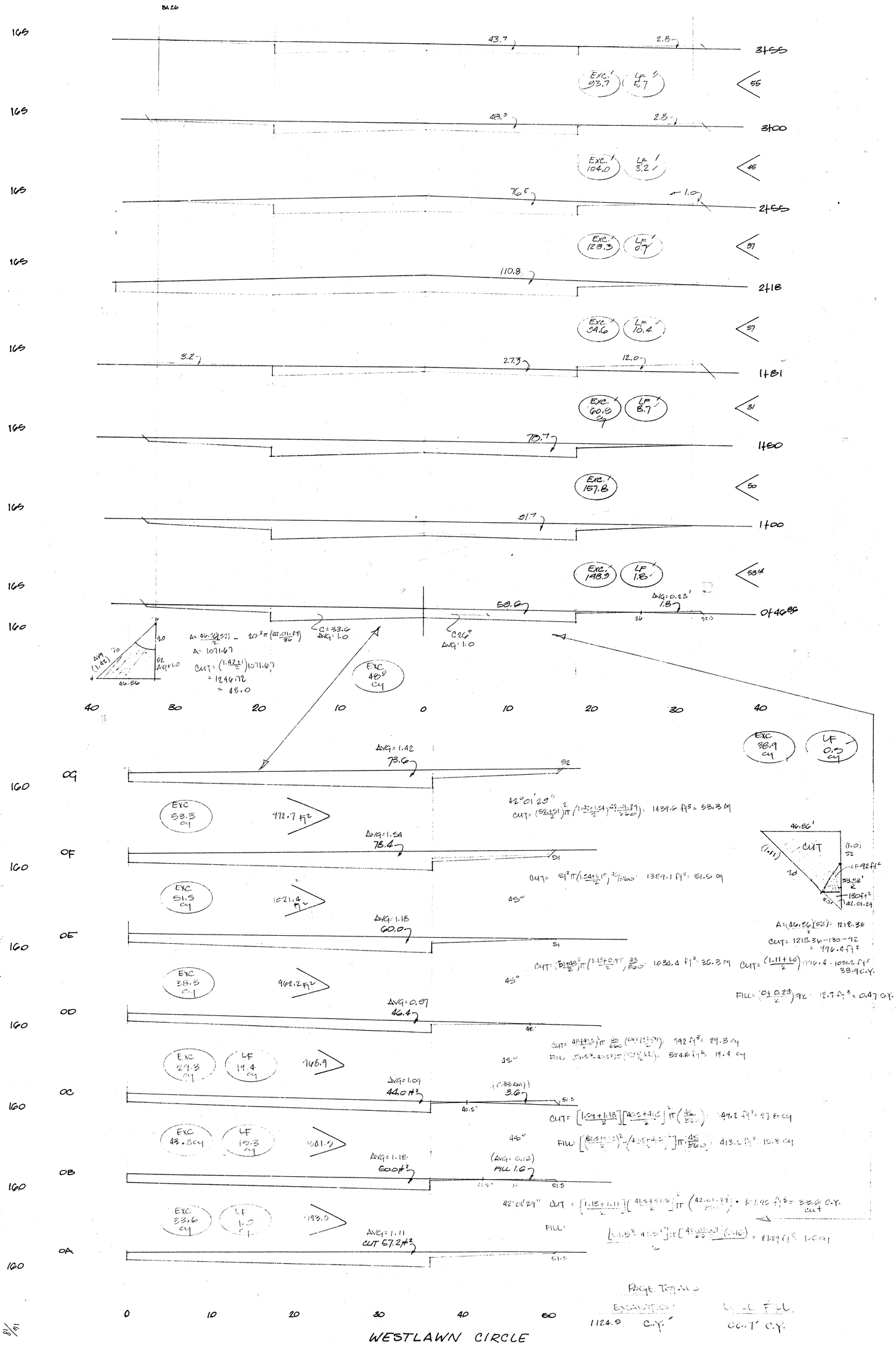
14/18

FILMED FROM THE BEST AVAILABLE COPY



EARTHWORK SECTIONS 472-76-245-81635-000-000-001

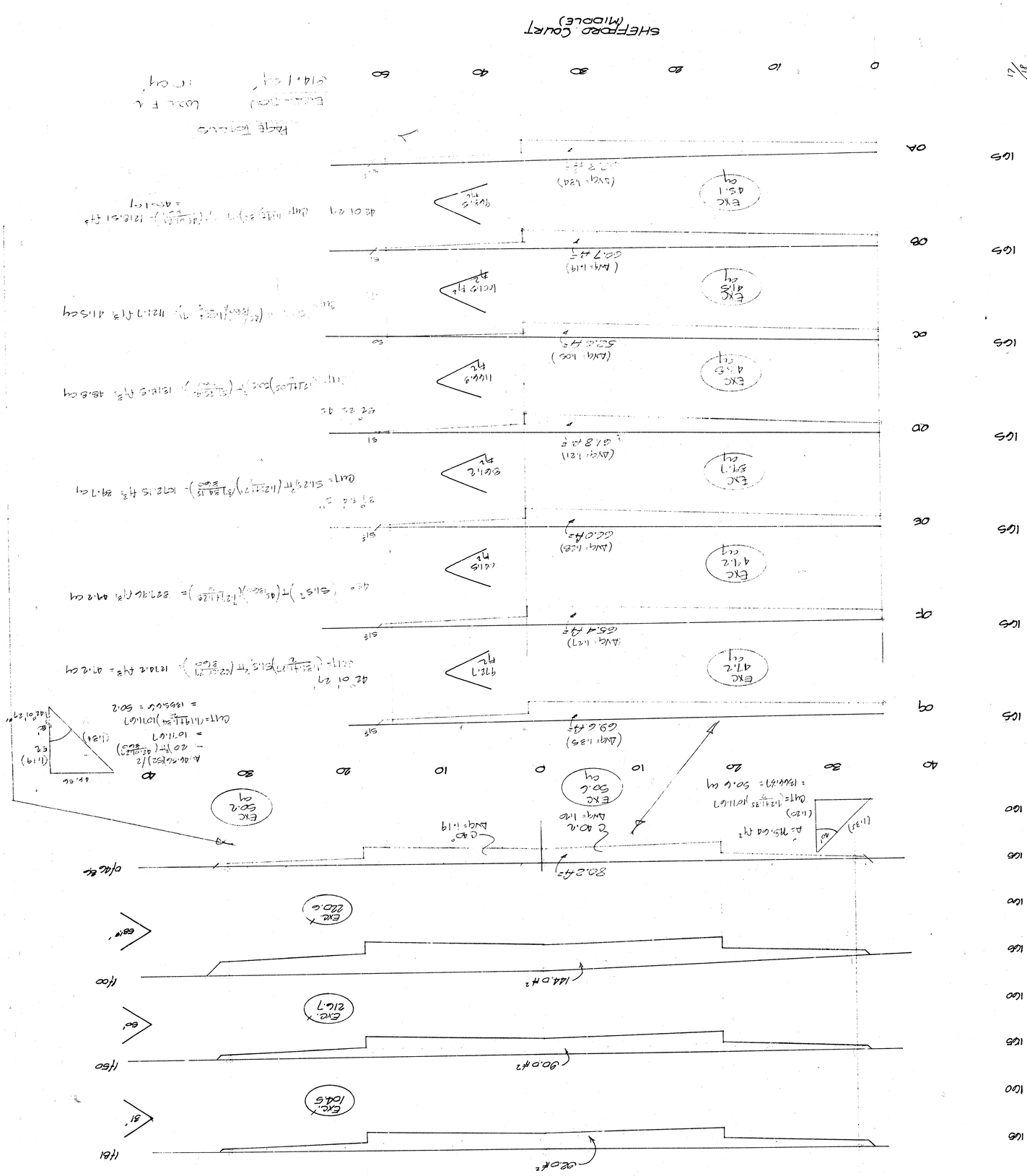
FILMED FROM THE BEST AVAILABLE COPY



EARTHWORK SECTIONS 472-76-245-81635-000-000-001

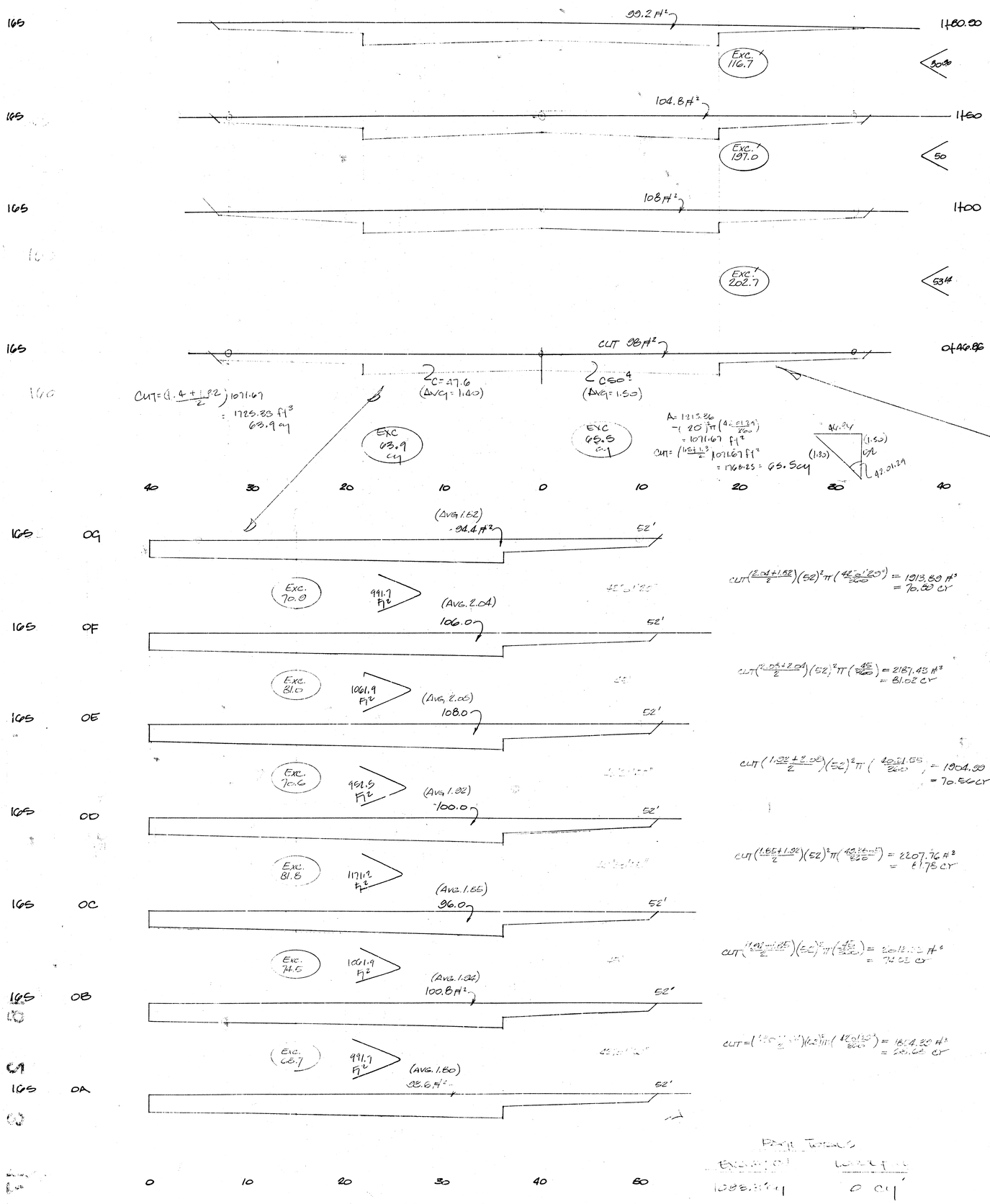
16/18

FILMED FROM THE BEST AVAILABLE COPY.....



FILMED FROM THE BEST AVAILABLE COPY

BA 26



EARTHWORK SECTIONS 472-76-245-8635-000-000-001

18/18

FILMED FROM THE BEST AVAILABLE COPY