STREET IMPROVEMENTS FOR

FOURTH ADDITION TO CEDAR RIDGE

MT. VERNON – FROM THE WEST LINE LOT 10, BLOCK 3, FOURTH ADDITION TO CEDAR RIDGE AND THE WEST LINE LOT 8, BLOCK 1, HEDGECLIFF 3RD ADDITION TO THE WEST LINE WEBB ROAD.

STACEY – FROM THE NORTH LINE MT. VERNON TO THE SOUTH LINE SKINNER

INDEX NO. 602177

CITY OF WICHITA, KANSAS

MIKE E. LINDEBAK CITY ENGINEER

PROJECT NO.

472-76-245-81351-000-000-001

INDEX

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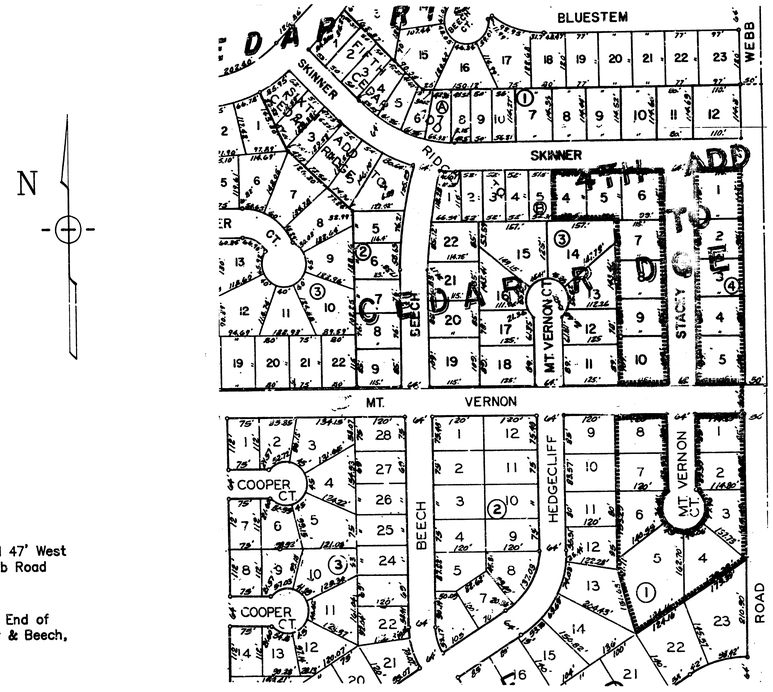
Non - Standard Ditch Inlet Detail	7
Modified Shallow Type 'B' Manhole Detail	8
Earthwork Cross Sections	9–10



BENCH MARK – Elevation 182.48. City Standard Disc located 47' West and 44' North of 1/4 Section Corner at Webb Road and Mt. Vernon

BENCH MARK – Elevation 173.50. "□" Cut in Top of Curb @ End of Return of Valley Gutter, East Side of Skinner & Beech,

GENERAL NOTES

1. The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed over and/or adjacent to pipelines.
2. 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.
3. No more than 3 drives 20 feet in width, or equivalent combinations thereof, are to constructed with this project.
4. 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.
5. 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 in accordance with state laws.
6. The Contactor shall contact Cliff Nies of Nies Construction for verification and location of the drives to be constructed with this project.
7. The Contractor shall coordinate construction of this project with Project number 472-76-245-81352-000-000-001, the paving to the west so that the construction of both projects occurs simultaneously

N. BRENT WOOTEN LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

BOOKED: 1-11-89 MCG

AUG. 4, 1988

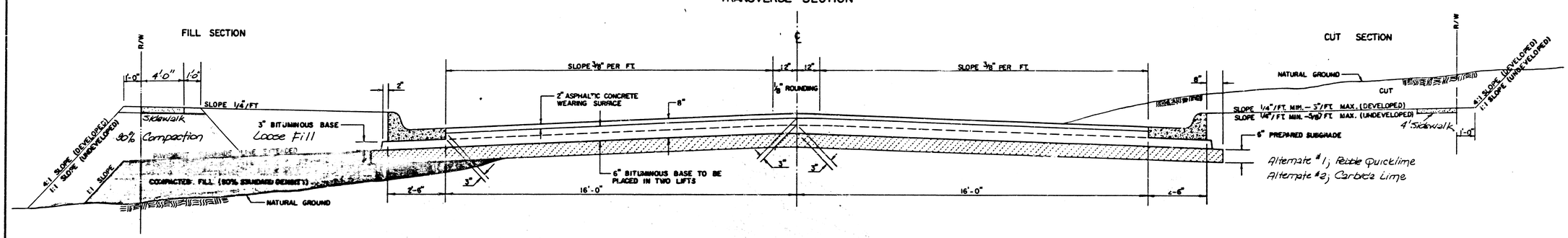
BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

1/10

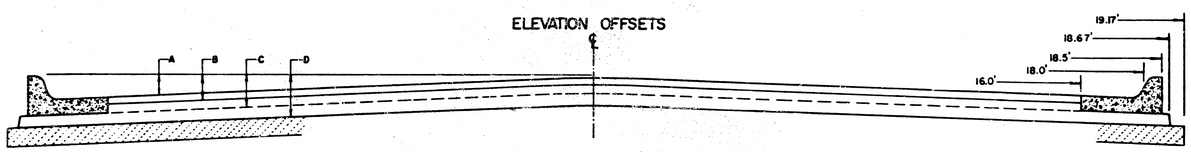
TYPICAL 37' PAVEMENT DETAILS

MT. VERNON

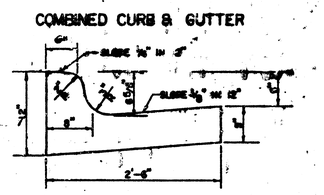
TRANSVERSE SECTION



ELEVATION OFFSETS

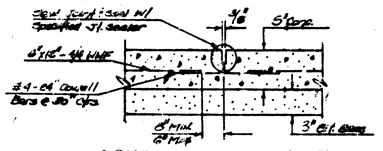


COMBINED CURB & GUTTER

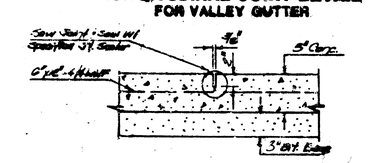


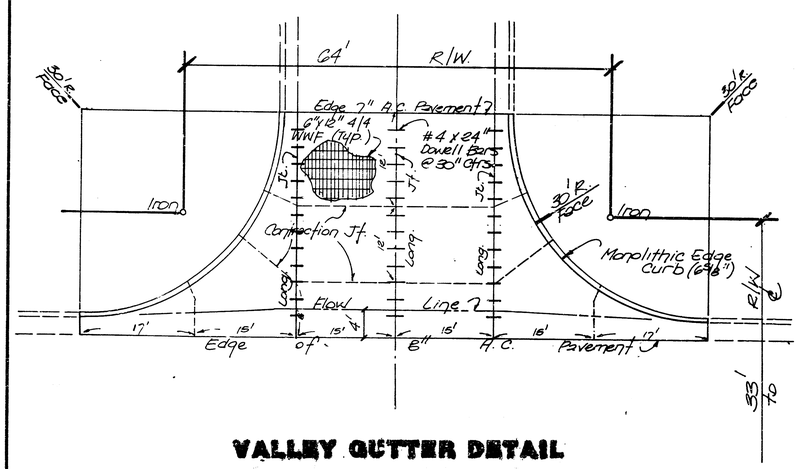
	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0	2	4	6	8	10	12	14	16	18	18.5	18.67	19.17
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.01	.05	.11	.18	.24	.30	.36	.43	.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.17	.22	.28	.34	.40	.47	.53	.59	.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.42	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	.99	—
D: TOP OF CURBS TO TOP OF SUBGRADE	.67	.72	.78	.84	.90	.97	1.03	1.09	1.15	1.22	1.23	1.24	1.25

LONGITUDINAL JOINT DETAIL FOR VALLEY GUTTER



CONTRACTION JOINT FOR VALLEY GUTTER





VALLEY GUTTER DETAIL

No Scale

GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

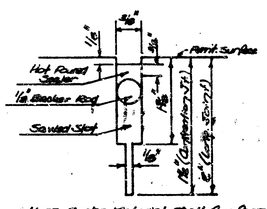
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" BITUMINOUS BASE.

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.

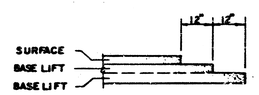
6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.



Note: Sealer Material Shall Conform ASTM D-1190

SAW JOINT DETAIL FOR CONT. AND LONG. JOINTS

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN ON THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

2/10

Sheet 2 of 10

8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE

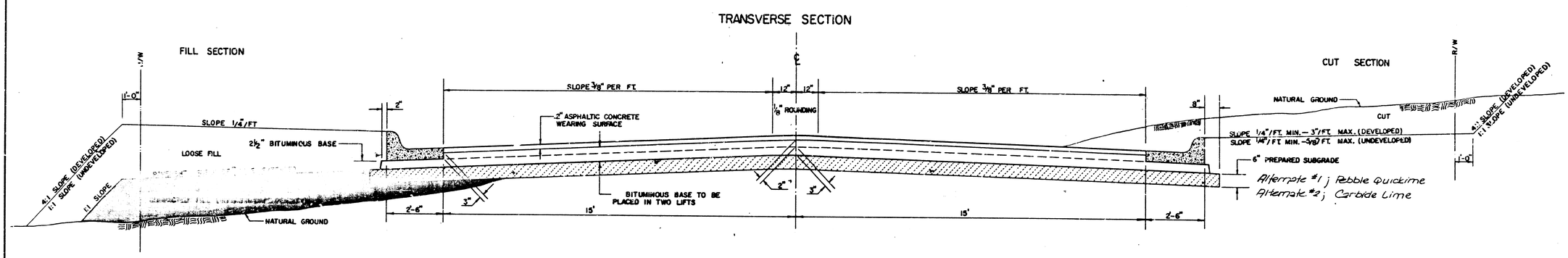
CITY OF WICHITA, KANSAS

PROJECT NUMBER

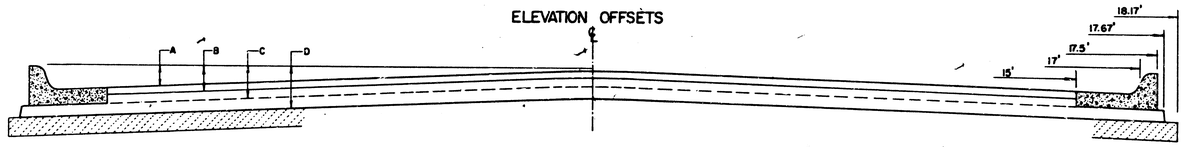
472-78-246-81351-006-000-091

TYPICAL 35' PAVEMENT DETAILS

TRANSVERSE SECTION

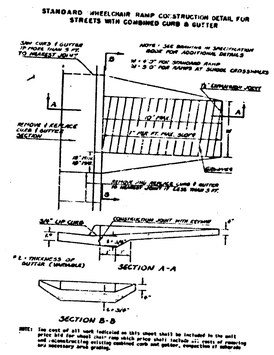


ELEVATION OFFSETS



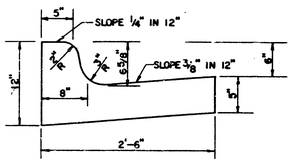
	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP 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	0.96	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

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER

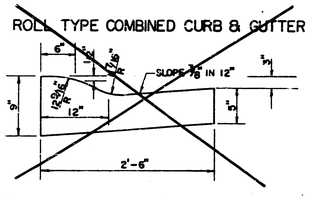


NOTE: The cost of all work indicated on this sheet shall be included in the unit price bid for the item requiring this work unless otherwise noted, include all costs of removing and disposing existing combined curb and gutter, inspection as necessary and grading.

COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

1) The ASPHALTIC CONCRETE PAYMENT 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.

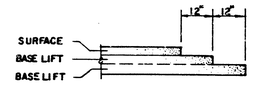
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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.

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).

3/10

Sheet 3 of 10

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

472-76-245-81351-000-000-001

BENCHMARK:
City Disc: Webb Rd. & Mt. Vernon.
47' W., 44' N. of 1/4 Sec. Cor.
Elev. = 182.48

BENCHMARK: 'D' Cut in Top of Curb in Southeast Return @ Mt. Vernon & Beech
Elev. = 178.76 City Datum

N

SCALE: 1" = 20'

6+12.77 — 7+12.66 — 7+60 — 8+06.66 — 9+03.14 — 9+56.80

11.862% 103 Wt. Grd.

11.969% 107 Wt. Grd.

Construct 8" Valley Gtr. Pavement (6" reinf. conc. w/3" bit. base) & Mono-lithic edge curb (G98")

Construct Std. Wheelchair ramp. (See detail, Sht. 3)

Construct Std. Wheelchair Ramp (See detail, Sht. 3)

Proposed STACEY 7" P.C. Pavement

34' F.F. 64' R/W

FOURTH ADDITION TO CEDAR RIDGE

Prop. 8" Hyd. Brick Manga Elev. 181.90

Construct 8" A.C. Pavemnt. (6" Bituminous base) w/ Std. Combined Curb & Gutter (G98" & 112")

Construct 4.0' Conc. walk (4" thk.)

Util. box elev. 180.40

4.0' Wk. 115'

15' San. Sewer Esmt.

R=30' FC

Water

Valley Gutter

Begin Construction 8" A.C. Pavement (6" Bit. base) w/ Std. Comb. C&G (G98" & 112").

Construct 4.0' Conc. walk (4" thk.)

HEDGECLIFF 3RD ADDITION

Construct Std. Wheelchair Ramp. (See detail, Sheet 3.)

Construct Std. Wheelchair Ramp. (See detail, Sht. 3)

8 Construct 8" Valley Gtr. Pavement (5" reinf. conc. w/3" bit. base) & Mono-lithic edge curb (G98").

MT. VERNON Future Pavement

34' F.F. (Fut.) 64' R/W

End Construction

15'x25' Drng. Easement (by separate instrument)

Construct Inlet. Hook up & adjust to 180.90 Top

Construct Std. Wheelchair Ramp. (See detail, Sht. 3)

15' Util. Esmt.

Gas Line

Existing MOBILE HOME PARK

WEBB ROAD Pavement

Remove 90 L.F. (±) wire fence

Sta. 21+06.75 End Construction 8" A.C. Pvmt. (6" bit. base) & Std. Comb. Curb & Gutter (G98" & 112")

Thimble: SE Cor. NE 1/4 Sec 32 T 27 S, R 2 E

Construct Manhole & Install C.M.P. as per Incidental Drainage Plan, Sht. 7

Nail: E Mt. Vernon & Webb Rd. 80°56'34"

Construct Temporary Asphalt Pavement hook up (8" A.C. Pvmt, 6" Bit. base) & Match exstg. pavement

* Contractor to use caution when compacting subgrade over C.M.P.A. so as to prevent possible damage to pipe due to SHALLOW FILL over top of pipes.

Remove Exstg. Conc. Box Inlet and Construct Std. Type I-M Curb Inlet. (L=6'4", W=6'4") Elev. = 182.20 Top (See Incidental Drainage Plan, Sht. 7)

Grade to drain

Construct Non-Standard Ditch Inlet (W=6'4") Elev. = 182.00 Top (See Incidental Drainage Plan, Sht. 7)

6+07.99 — 7+12.98 — 8+06.98 — 9+02.78

11.857% 103 Wt. Grd.

11.983% 107 Wt. Grd.

• INTERSECTION QUANTITIES •

354.2	SY	* Concrete Pavement
	SY	5 * Asphaltic Conc. Pavement (6" Bituminous Base)
	SY	* Bituminous Base
	LF	Combined Curb & Gutter
157.1	LF	Monolithic Edge Curb
	SF	4" Wheelchair Ramp
	SF	4" Walk
	CY	Excavation
	CY	Compacted Fill
	Lbs.	Reinforcing Steel
698.0	SY	Manipulation
	Tons	Lime or Cement
301.0	SY	Valley Gtr. 5 * Concrete & 3 * Asphaltic Conc. Base

• EARTHWORK QUANTITIES •

Excavation	1132.7 C.Y.	Compacted Fill	84.0 C.Y.
+ 10%	113.3	+ 10%	8.4
Total	1246.0 C.Y.	Total	92.4 C.Y.

Subgrade Manipulation 3666.0 S.Y.

Borrow Material 0 C.Y.

Note:
Trees to be removed marked thus: ⊗

Fld Bk. BA3

MT. VERNON
PROJECT NO. 472-76-245-81351-000-000-001

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

DESIGN	DRAWN	APPROVED	DATE	SCALE	REV.	SHEET	OF
				1" = 20'		4	10

4/10

BENCHMARK: City Disc Webb Rd. & Mt. Vernon 47' W., 44' N. of 1/4 Sec. Cor. Elev. = 182.45

BENCHMARK: 'b' Cut in Top of Curb in Southeast Return @ Mt. Vernon & Beech Elev. = 173.76

N

SCALE: 1" = 20'

0+15.33 — P.U.I. 30' U.C. Elev. = 180.56 — 0+50 — 3+50 — P.U.I. 30' U.C. Elev. = 181.90 — 4+74.26 — 5+11

+1.208% — +0.960% — -0.040%

FOURTH ADDITION TO

(3)

Sta 01+15.0 End 8" Valley Gutter. Pvmt. (5" reinf. conc. w/ 3" bit. base) & Monolithic Edge Curb (6"x6"). Begin 7" P.C. Pvmt. (5" bit. base) & Std. Comb. Curb & Gutter (6"x6" & 1'-2")

Construct 7" P.C. Pavement (5" B/I. base) w/ Std. Comb. Curb & Gutter (6"x6" & 1'-2")

Sta 3+47.38 HP

Sta 4+19.0 End Construction 7" P.C. Pavement. Match Existing Pavement.

Existing 8" Water

Existing 8" Gas Line

Existing Pavement

VERNON — STACEY — SKINNER

MT. — CEDAR — RIDGE

(4)

See Sht. 9 for intersection quantities.

Prop. 8" San. Sewer Extension. See plan Sheet 6.

Existing M.H. Flo = 167.90

Prop. F. Hyd. & Str. Flange Elev. = 181.90

Valve box. Elev. = 180.90

Existing M.H. Flo = 171.20

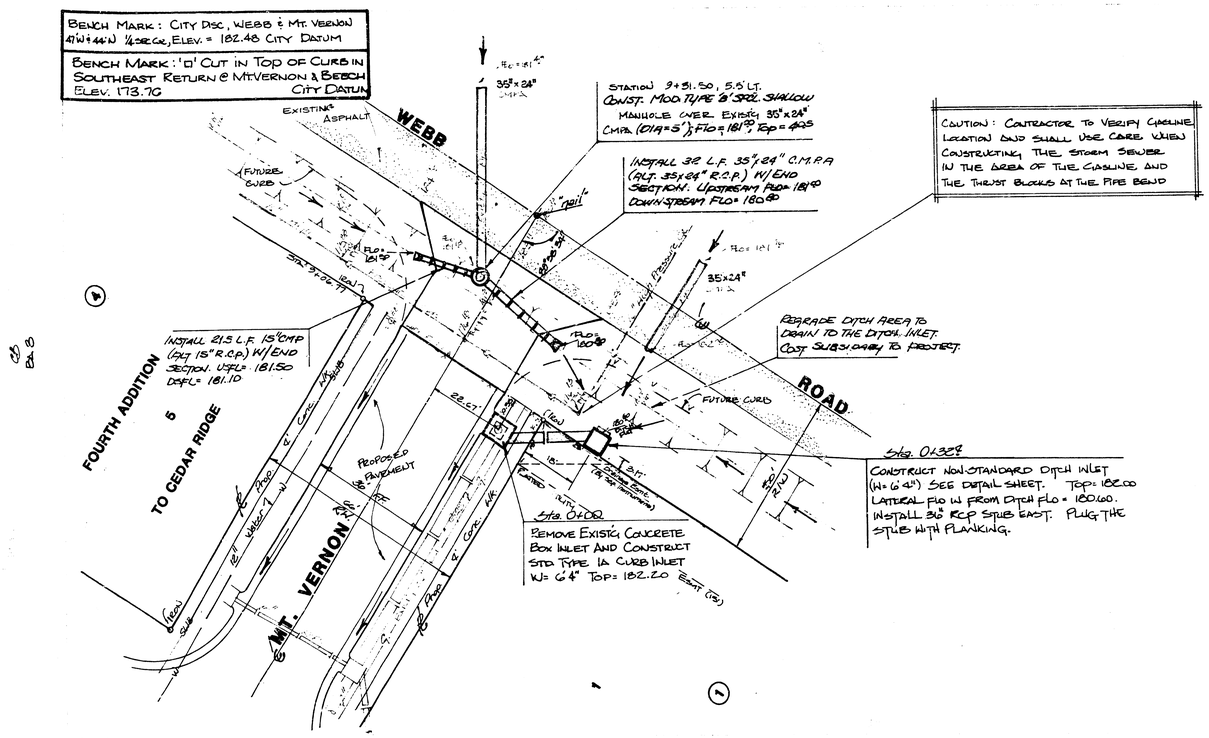
Existing Water — Existing Sanitary Sewer — Existing Gas Line

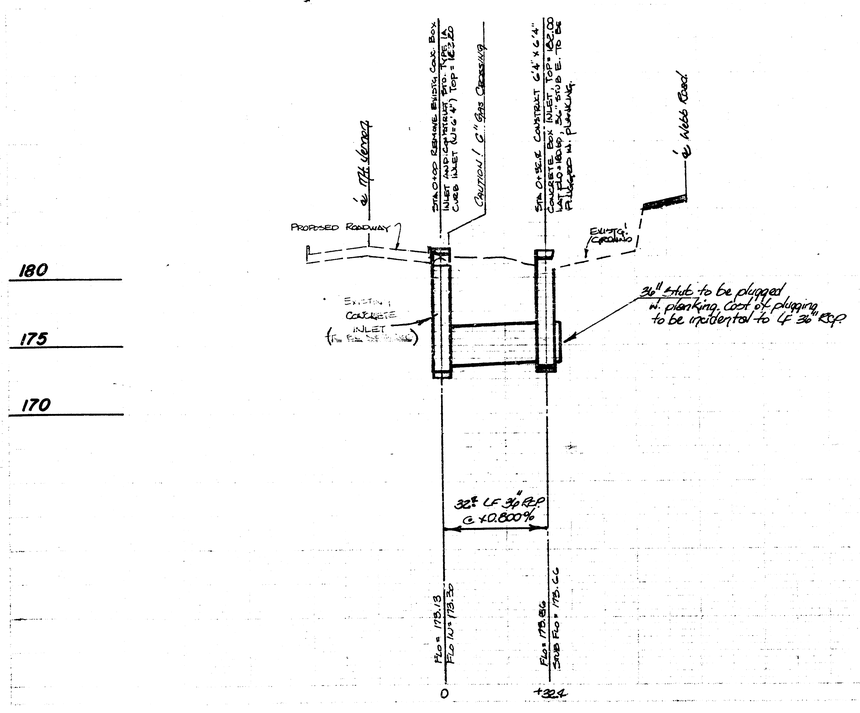
5 — 4 — 3 — 2 — 1

+0.925% — +0.960% — -0.606%

0+14.67 — P.U.I. 110 U.C. Elev. = 180.56 — 0+50 — 3+50 — P.U.I. 30' U.C. Elev. = 181.90 — 4+73.74

STACEY					REV.
PROJECT NO. 472-76-245-81351-000-000-001					
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					SHEET 5 OF 10
DESIGN	DRAWN D.M.H.	APPROVED	DATE	SCALE 1" = 20'	5/10





NOTES

End sections shall be installed and considered as incidental to the bid item for lineal feet Pipe.

The 36 inch R.C.P. stub to the east shall be plugged shut a the present time with the use of planking. The cost of the planking shall be considered as incidental to L.F. 36 inch R.C.P.

The contractor shall regrade thge disturbed areas in the ditch along Webb Road to properly drain and leave the ditch area in good condition. The cost of regrading shall be incidental to the project.

The contractor shall contact Bill Hagemann, Northwest Central Pipeline Company, 524-0491, 48 hours prior to construction in the area around the 16 inch high pressure gas line in Webb Road.

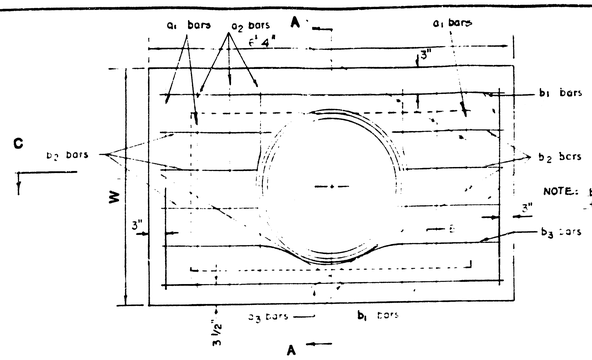
The contractor shall contact the necessary utility companies in order to verify if any underground lines exist within the Webb Road right-of-way area of construction.

INCIDENTAL DRAINAGE

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

Design:	Drawn:	Approved:	Date:	Scale:	Sheet: 6 of 10

Project Number: 472-76-245-21361-000-002-00

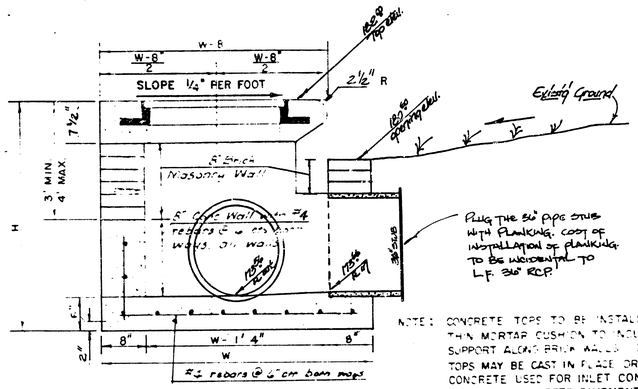


PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS

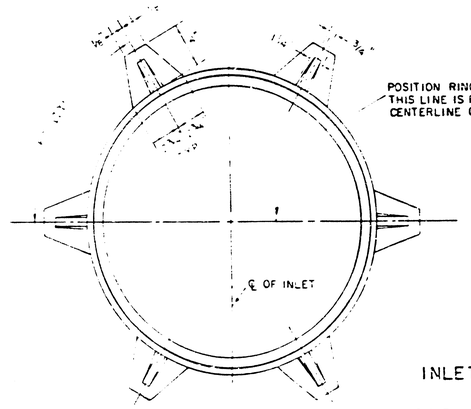
C

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



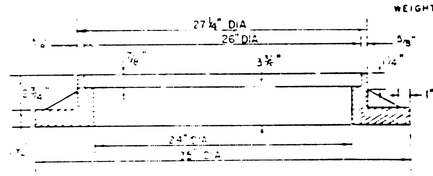
SECTION A-A

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.

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

~~ADDITIONAL CUT AND BUTTON CONSTRUCTION NECESSARY TO CONNECT 24" RCP TO INLET AT WEST SIDE OF INLET WHERE STUB IS TOO LOW TO CONNECT.~~

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.

STEEL SCHEDULE

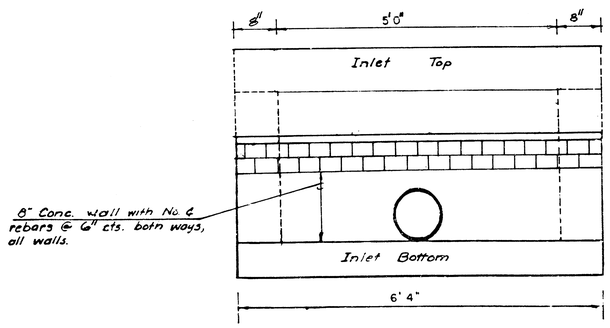
BAR	a_1	a_2	a_3	a_4	b_1	b_2	b_3	b_4	WT.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	
LENGTH	W=4'4"	5'7"	6'7"	5'0"	-	-	-	-	-	-	11'9"	6 2	4 8	60#
	W=5'4"	7'7"	6'7"	5'0"	-	-	-	-	-	-	11'9"	6 2	4 8	81#
	W=6'4"	9'7"	10'7"	6'0"	-	-	-	6'1"	-	-	11'9"	6 2	4 8	101#
	W=7'4"	11'7"	12'7"	7'0"	-	-	-	6'1"	-	-	11'9"	6 2	4 8	121#
	W=8'4"	13'7"	14'7"	8'0"	-	-	-	6'1"	-	-	11'9"	6 2	4 8	141#

* NOTE: b_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

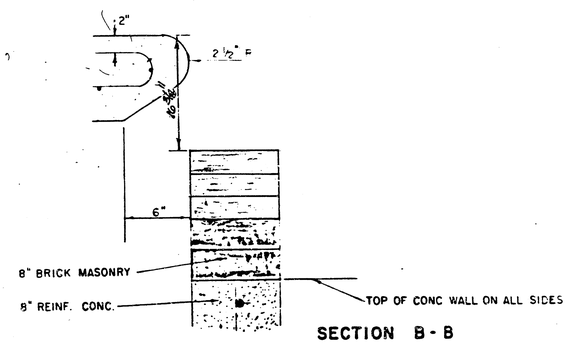
BENDING DIAGRAM

a_1 bar W-21
a_2 bar W-15
1/2" R

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±



SECTION C-C



SECTION B-B

NON-STANDARD DITCH INLET

CITY OF WICHITA, KANSAS

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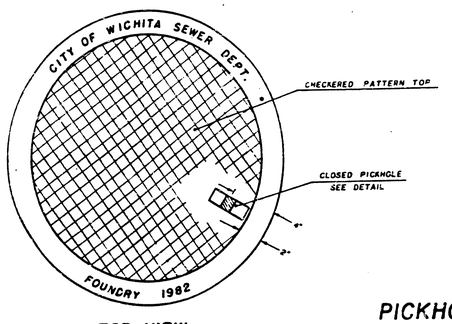
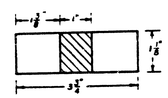
MANHOLE COVER

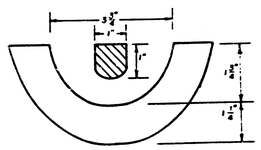
Weight: 180 Lbs.

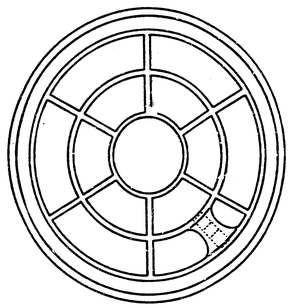


TOP VIEW

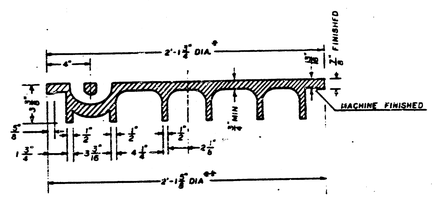
PICKHOLE DETAIL





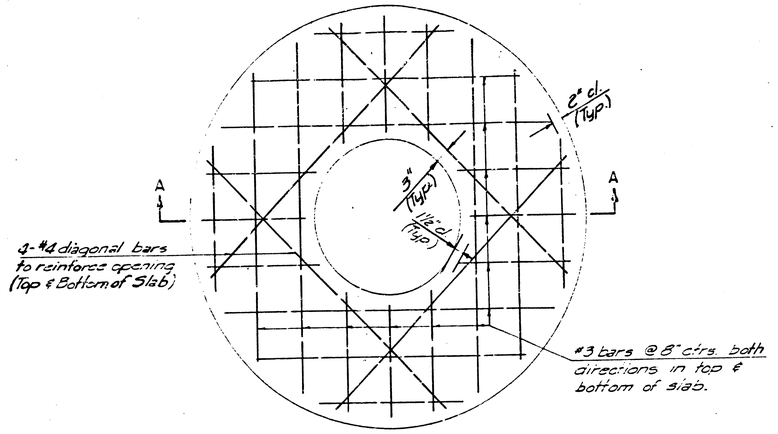


BOTTOM VIEW



SECTION VIEW

* OUTSIDE DIA. TOP OF COVER
** OUTSIDE DIA. BOTTOM OF COVER



PLAN

GENERAL NOTES

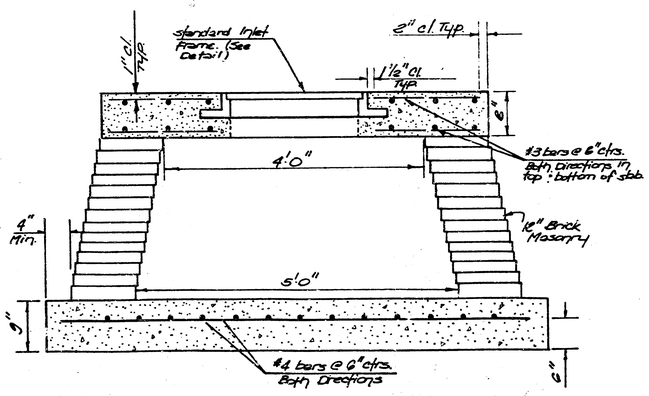
1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.

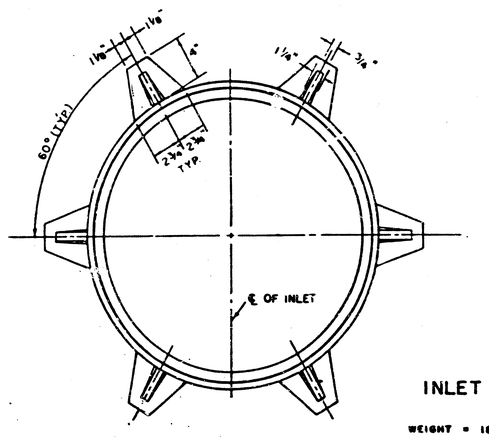
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.

4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

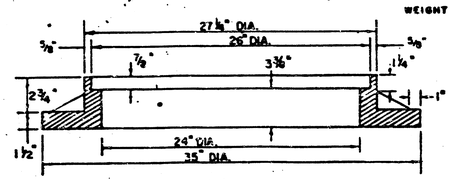


SECTION A-A



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.

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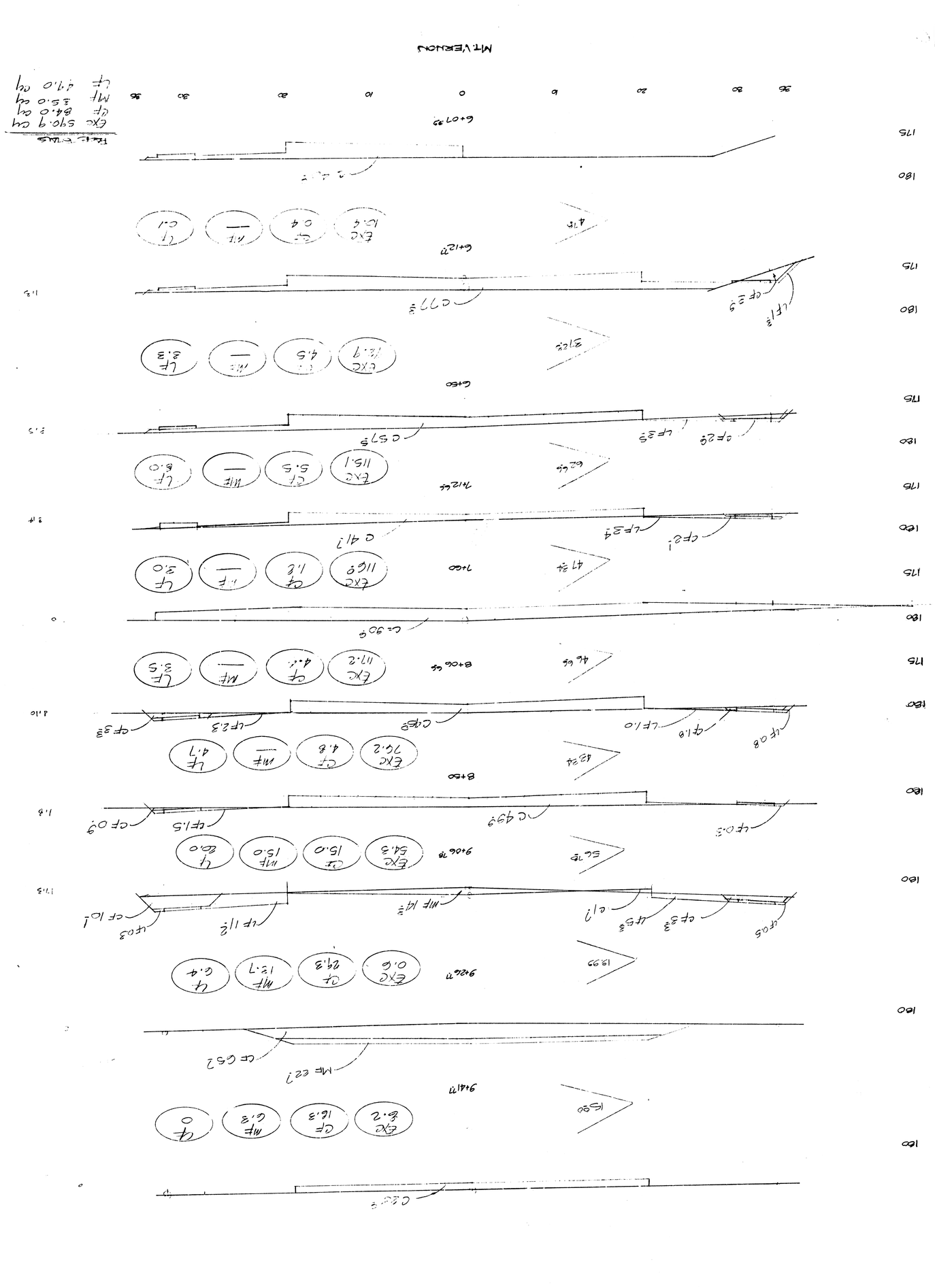
MODIFIED TYPE 'B' SPECIAL SHALLOW MANHOLE

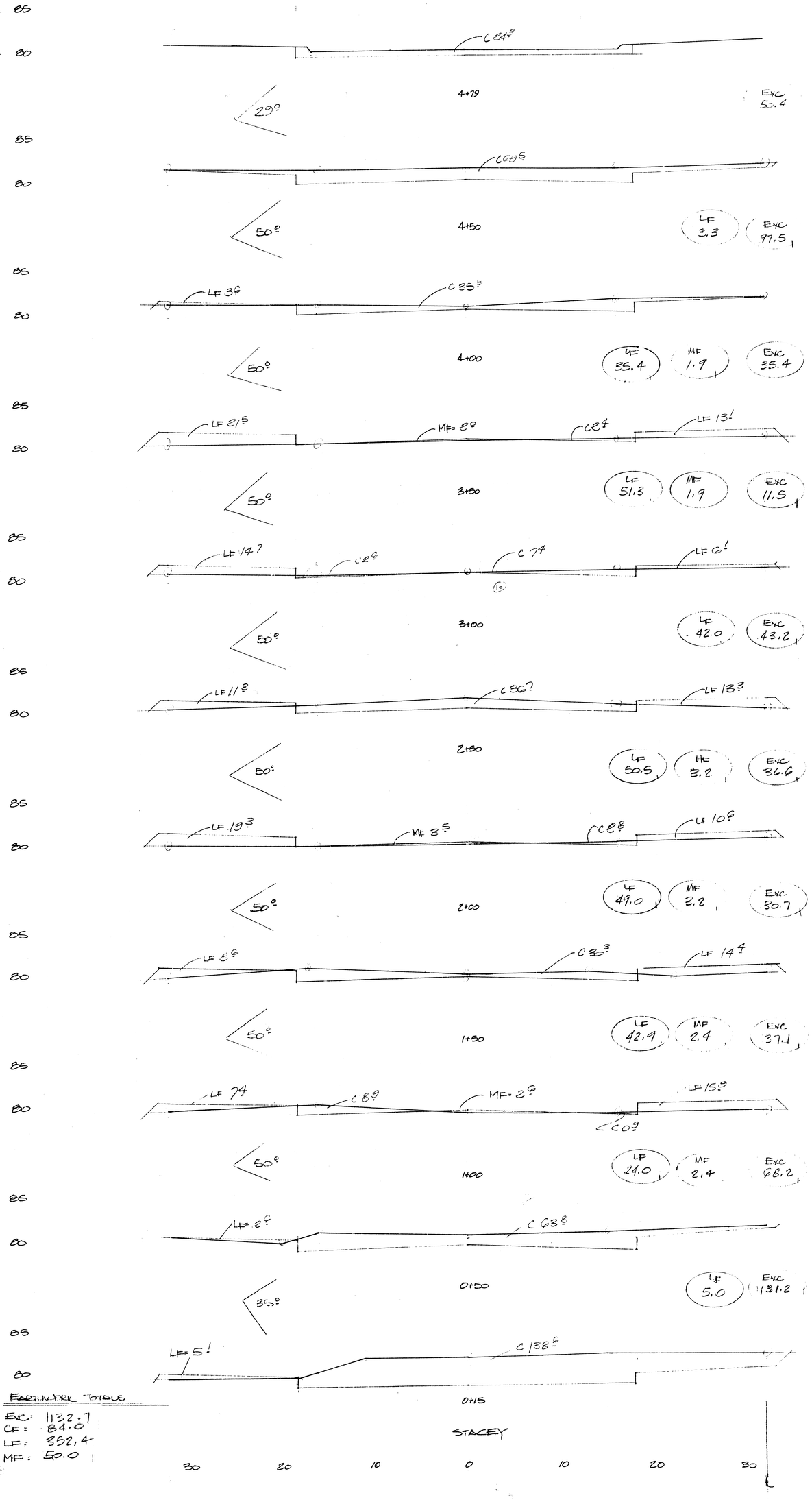
Sheet: 8 of 10

EARTHWORK SECTIONS
MT. VERNON

Sheet 9 of 10

PROJECT NO. 472-76-245-81351-000-000-001





EARTHWORK - TOTALS

EXC: 1132.7
CE: 84.0
LF: 352.4
MF: 50.0

PAGE TOTALS

EXC = 541.8 cy
MF = 15.0 cy
LF = 302.4 cy

EARTHWORK SECTIONS
STACEY
10/10

PROJECT NO. 472-1-22-245-81281-000-000-001

Sheet: 10 of 10