

SLUDGE DRYING & WINDROWING APRON

PROJECT NO.

576-80-245-50400-610-000-000

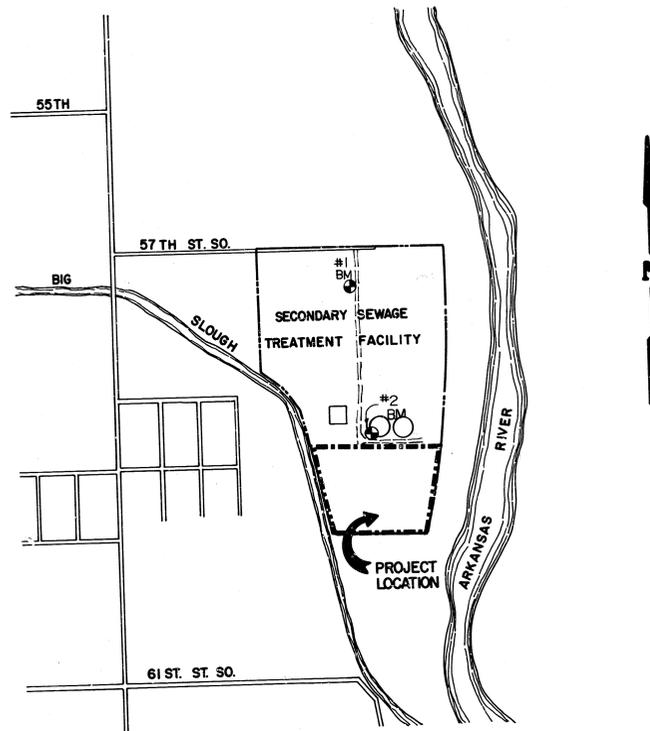
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
JULY, 1985

GENERAL NOTES:

- 1) THE ASPHALTIC CONCRETE PAVEMENT SHALL BE PAID AS SQUARE YARDS OF 6" ASPHALTIC CONCRETE (4" BITUMINOUS BASE AND 2" ASPH. SURF. COURSE.)
- 2) 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.
- 3) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 4) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS.
- 5) 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.
- 6) CONCRETE SHALL CONFORM TO THE CITY OF WICHITA STANDARD SPECIFICATIONS FOR CONCRETE PAVEMENT. ALL EXPOSED EDGES OF INLET TOPS SHALL BE FINISHED WITH AN APPROVED EDGING TOOL.
- 7) REINFORCING STEEL SHALL BE AS SPECIFIED BY THE CITY OF WICHITA STANDARD SPECIFICATIONS FOR CONCRETE PAVEMENT.
- 8) COMPACTED FILL AND SUBGRADE PREPARATION SHALL BE AS SPECIFIED BY THE CITY OF WICHITA STANDARD SPECIFICATIONS FOR ASPHALT PAVEMENT.

BENCH MARKS:

- BM #1 "□" CUT ON NORTHEAST CORNER 8'x10' CONCRETE, K&E BOX AT SOUTH-WEST CORNER OF PLANT ENTRANCE.
BM #2 "□" CUT ON SOUTH END OF CLARIFIER LEFT OF BASE LINE 800 FEET EAST.
ELEV. = 82.785



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3. PROPOSED IMPROVEMENTS
4. PAVING, CONC. SWALE & WLT WELL DETAILS/
BORING LOGS 1-4
- 5-6 X-SECTIONS



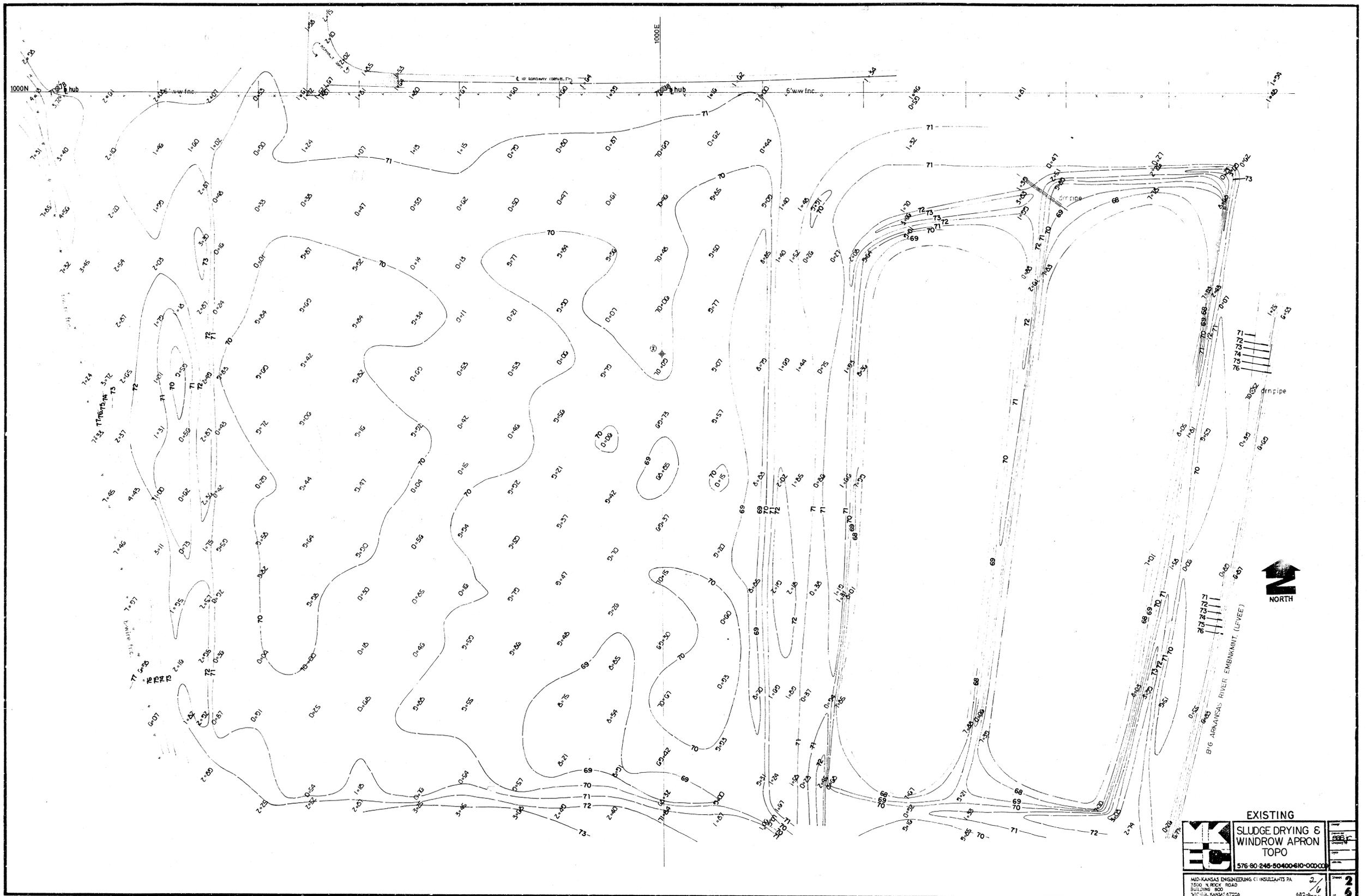
PLANS PREPARED BY

MID-KANSAS ENGINEERING CONSULTANTS, P. A.
WICHITA, KANSAS

SHEET 3 REVISED NOV. 1, 1985

	CITY OF WICHITA, KANSAS SLUDGE DRYING & WINDROWING APRON PROJECT NO. 576-80-245-50400-610-000-000	Design Drawn by Checked by Date Job no.
	TITLE SHEET	Sheet 1 of 6
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		682-6561

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EXISTING

SLUDGE DRYING & WINDROW APRON TOPO

576-80-245-50400-610-00000

MID-KANSAS ENGINEERING CONSULTANTS PA 1250 N. BRICK ROAD BURLINGAME, MO 63120-1111	2/6	2
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Hub
1. 30' No. E/W Fenceline
2. 22.5' E/W Fenceline

Remove & Replace
Exist. Woven Wire
Gate.

Saw, Remove, Replace w/ 6" AC PVMT. & Match (Approx. 160 S.Y.)

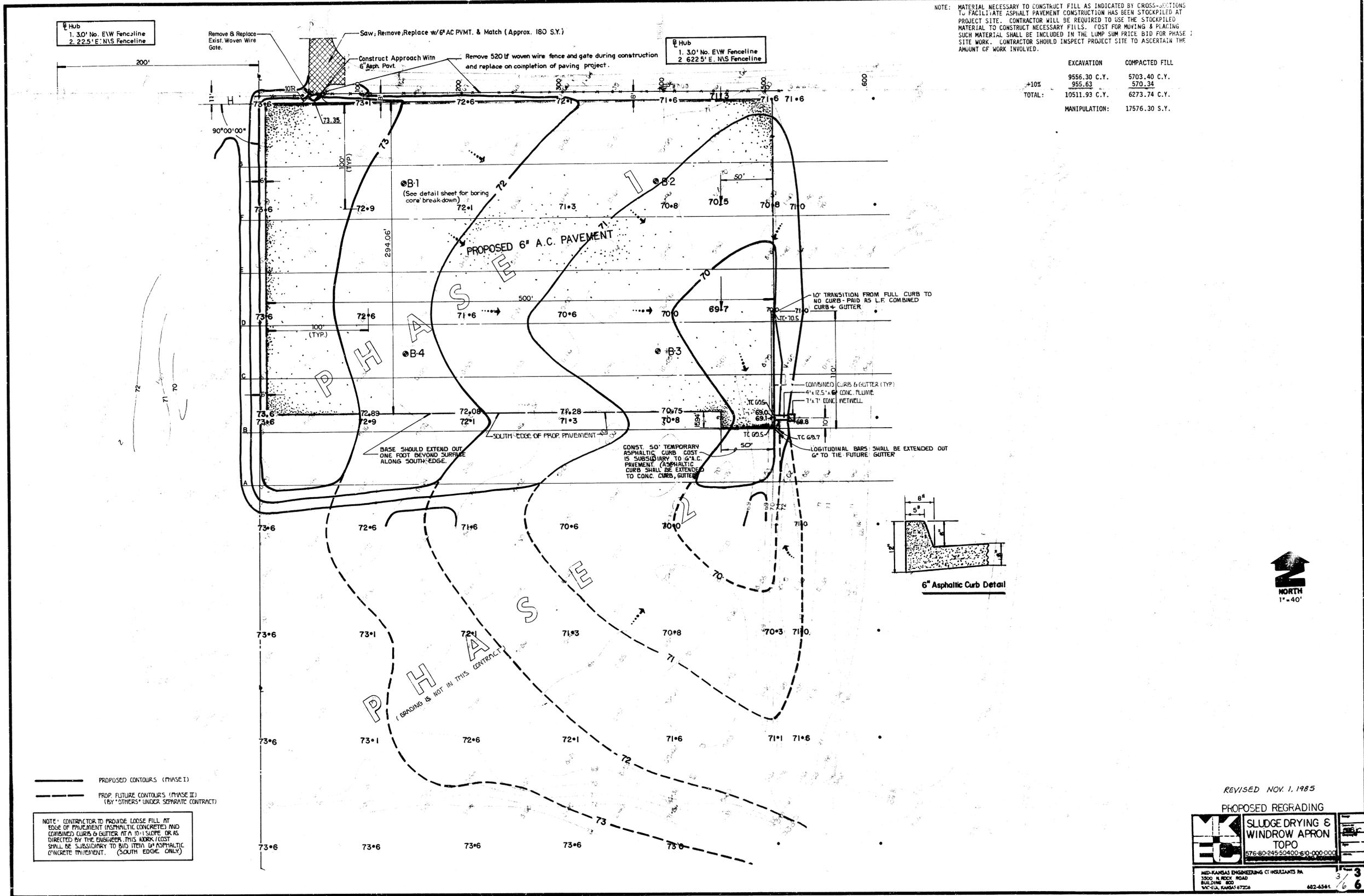
Construct Approach With
6" Asph. Pavt.

Remove 520' of woven wire fence and gate during construction
and replace on completion of paving project.

Hub
1. 30' No. E/W Fenceline
2. 622.5' E. N/S Fenceline

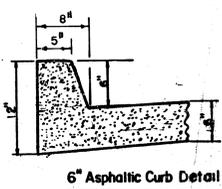
NOTE: MATERIAL NECESSARY TO CONSTRUCT FILL AS INDICATED BY CROSS-SECTIONS
TO FACILITATE ASPHALT PAVEMENT CONSTRUCTION HAS BEEN STOCKPILED AT
PROJECT SITE. CONTRACTOR WILL BE REQUIRED TO USE THE STOCKPILED
MATERIAL TO CONSTRUCT NECESSARY FILLS. COST FOR MOVING & PLACING
SUCH MATERIAL SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR PHASE I
SITE WORK. CONTRACTOR SHOULD INSPECT PROJECT SITE TO ASCERTAIN THE
AMOUNT OF WORK INVOLVED.

	EXCAVATION	COMPACTED FILL
+10%	9556.30 C.Y.	5703.40 C.Y.
	955.63	570.34
TOTAL:	10511.93 C.Y.	6273.74 C.Y.
		MANIPULATION: 17576.30 S.Y.



———— PROPOSED CONTOURS (PHASE I)
- - - - - PROP. FUTURE CONTOURS (PHASE II)
(BY OTHERS UNDER SEPARATE CONTRACT)

NOTE: CONTRACTOR TO PROVIDE LOOSE FILL AT
EDGE OF PAVEMENT (ASPHALTIC CONCRETE) AND
COMBINED CURB & GUTTER AT A 10:1 SLOPE OR AS
DIRECTED BY THE ENGINEER. THIS WORK/COST
SHALL BE SUBSIDIARY TO BID ITEM 6" ASPHALTIC
CONCRETE PAVEMENT. (SOUTH EDGE ONLY)



REVISED NOV. 1, 1985

PROPOSED REGRADING

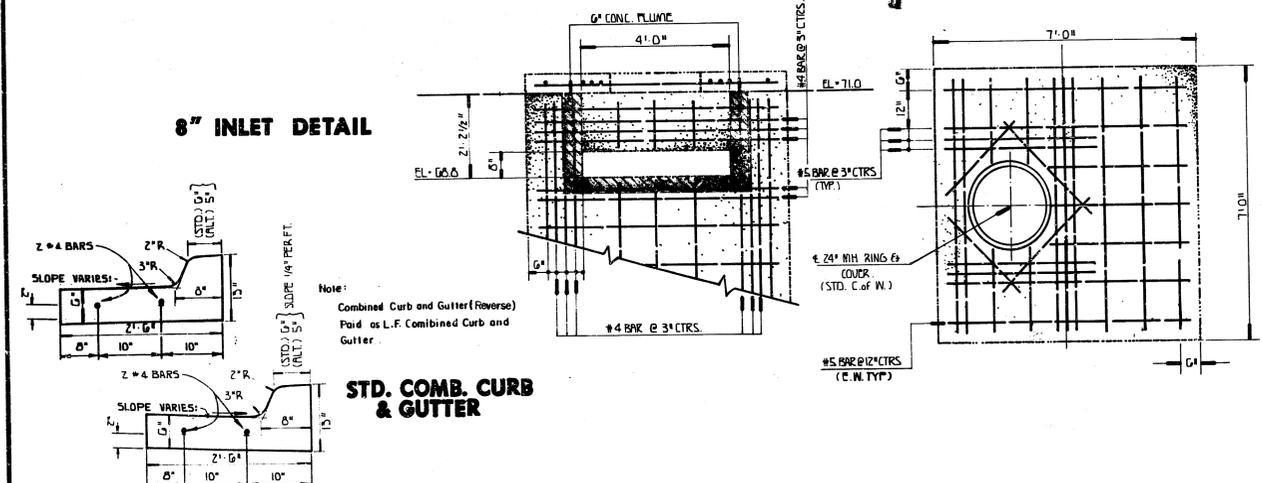
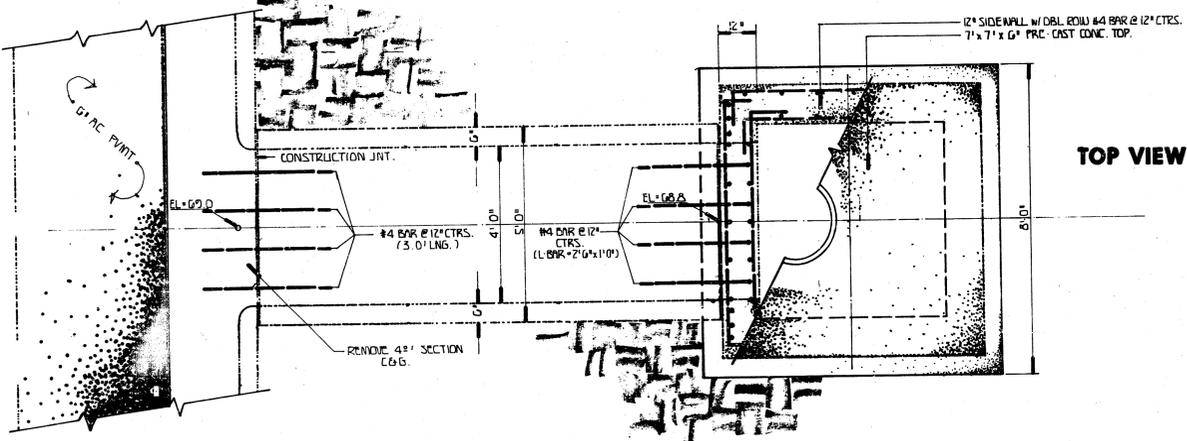
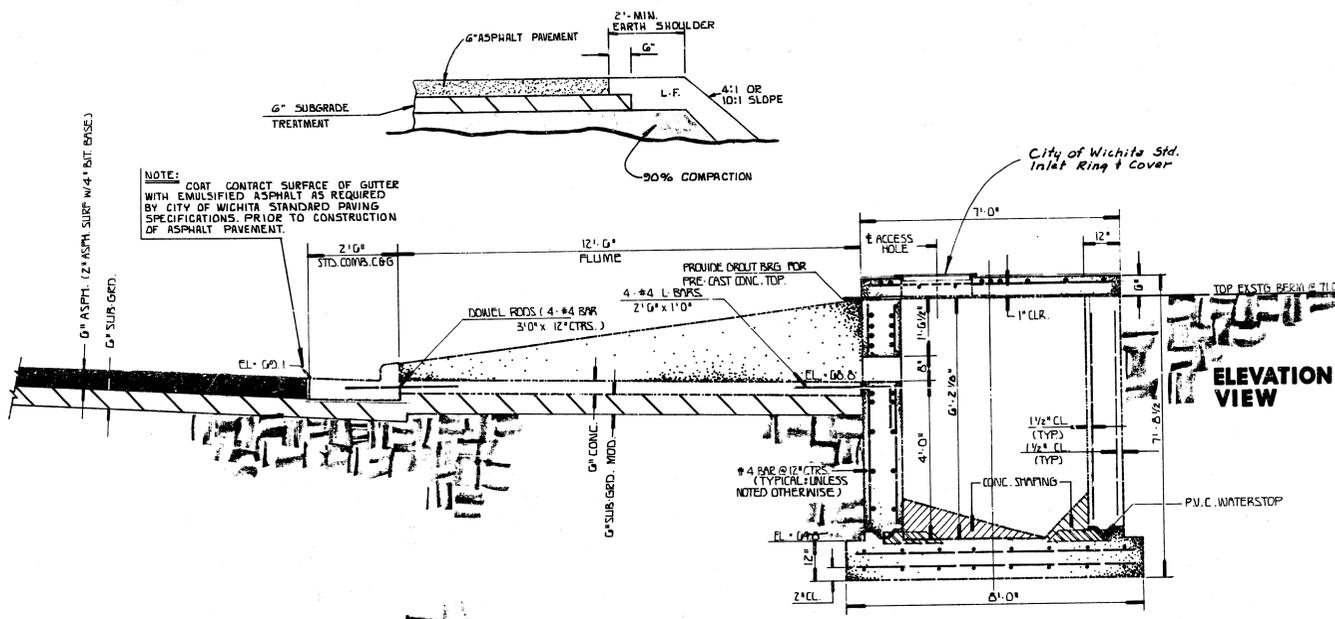
SLUDGE DRYING & WINDROW APRON TOPO

376-80-245-90400-610-000-000

MID-KANSAS ENGINEERING CONSULTANTS PA
3800 N. ROCK ROAD
BURLINGAME, MO
MO-KANSAS 64228

3/16
6

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WICHITA TESTING LABORATORIES
PROPOSED Sludge Drying and Window Apron
57th Street South
Wichita, Kansas

BORING LOG

Elevation	Depth	Remarks
71.0	0	SP
70.0	1	Fill: Silty Sand; black mottled with light grayish black; 5-15% low plastic fines; fine sand; moist; with broken concrete and brick.
69.0	2	SP
65.5	5.5	SP

Figure 2 Drilled by: Ken Tomkins

WICHITA TESTING LABORATORIES
PROPOSED Sludge Drying and Window Apron
57th Street South
Wichita, Kansas

BORING LOG

Elevation	Depth	Remarks
70.7	0	SP
69.2	1.5	Fill: Silty Sand; black mottled with dark grayish black; 5-15% low plastic fines; fine sand; moist; medium dense; with broken concrete and brick.
68.2	2.5	SP
65.2	5.5	SP

Figure 3 Drilled by: Ken Tomkins

WICHITA TESTING LABORATORIES
PROPOSED Sludge Drying and Window Apron
57th Street South
Wichita, Kansas

BORING LOG

Elevation	Depth	Remarks
70.1	0	CL
68.6	1.5	CL
67.6	2.5	CL
64.6	5.5	SP

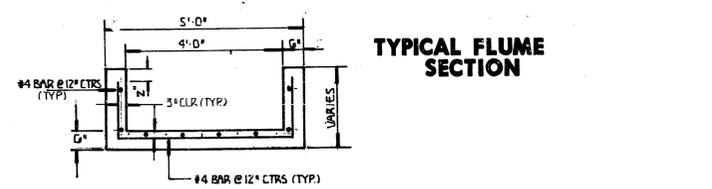
Figure 4 Drilled by: Ken Tomkins

WICHITA TESTING LABORATORIES
PROPOSED Sludge Drying and Window Apron
57th Street South
Wichita, Kansas

BORING LOG

Elevation	Depth	Remarks
69.9	0	SP
68.9	1	Fill: Silty Sand; dark brown mottled with black; 10-15% fine sand; moist; medium dense.
67.4	1.5	SP
64.4	5.5	SP

Figure 5 Drilled by: Ken Tomkins



DETAIL SHEET

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

682-6561

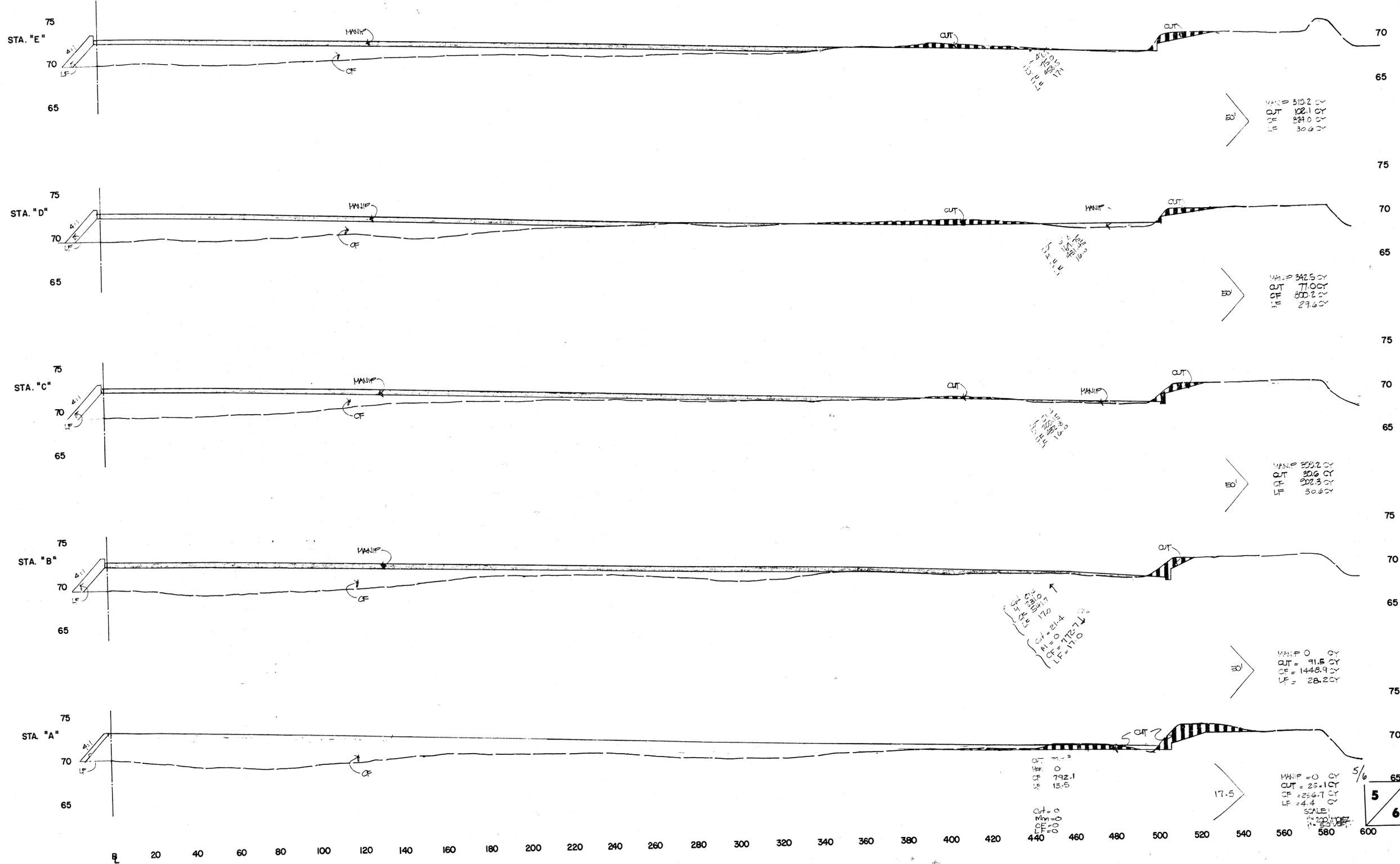
Sheet 4 of 6

PAVEMENT SECTION & WETWELL DETAILS

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SLUDGE DRYING & WINDROWING APRON
CITY OF WICHITA
PROJ. NO. 576-80-245-50400-610-000-000

SHEET TOTALS:
M = 1060.9 CY
C = 338.3 CY
CF = 4232.1 CY
LF = 123.4 CY



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Excavation
 $\{(12)(1994.4 + 5703.4) + 2093\}$
 $0.8(548.3) = 9008.02 \text{ CY}$

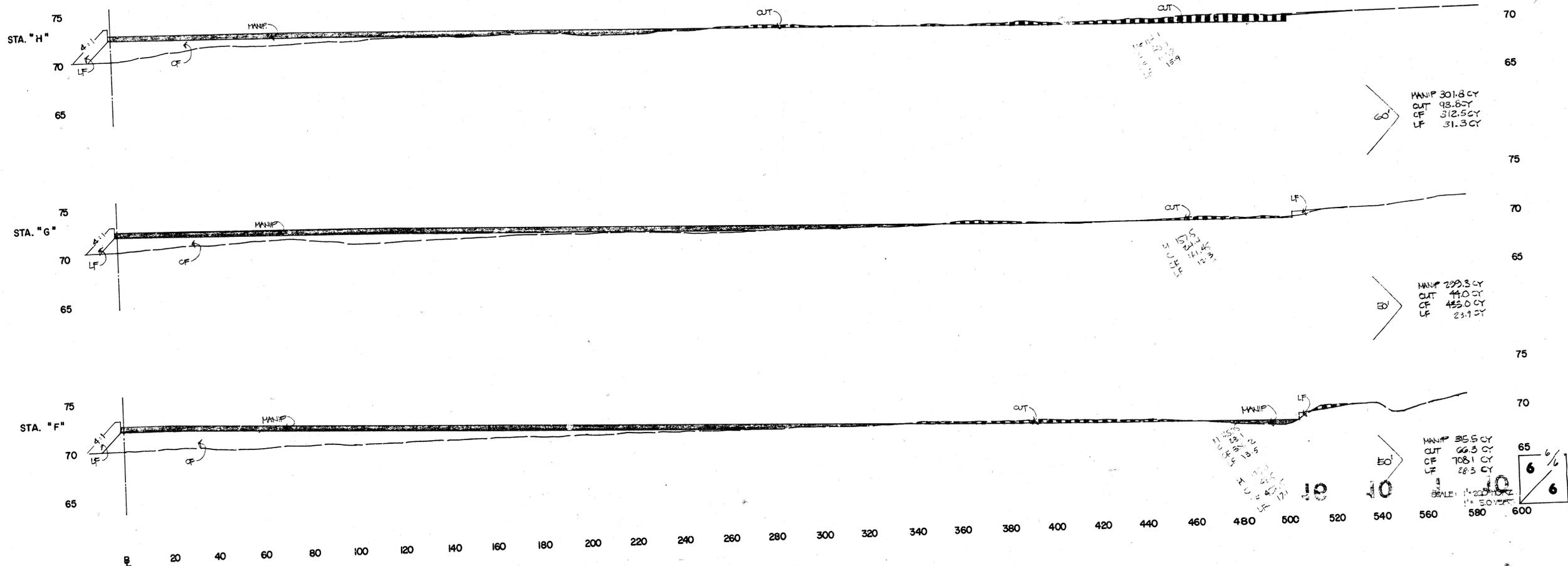
GRAND TOTALS:
 MANIP = 1994.4 CY
 CUT = 548.3 CY
 CF = 5703.4 CY
 LF = 209.3 CY

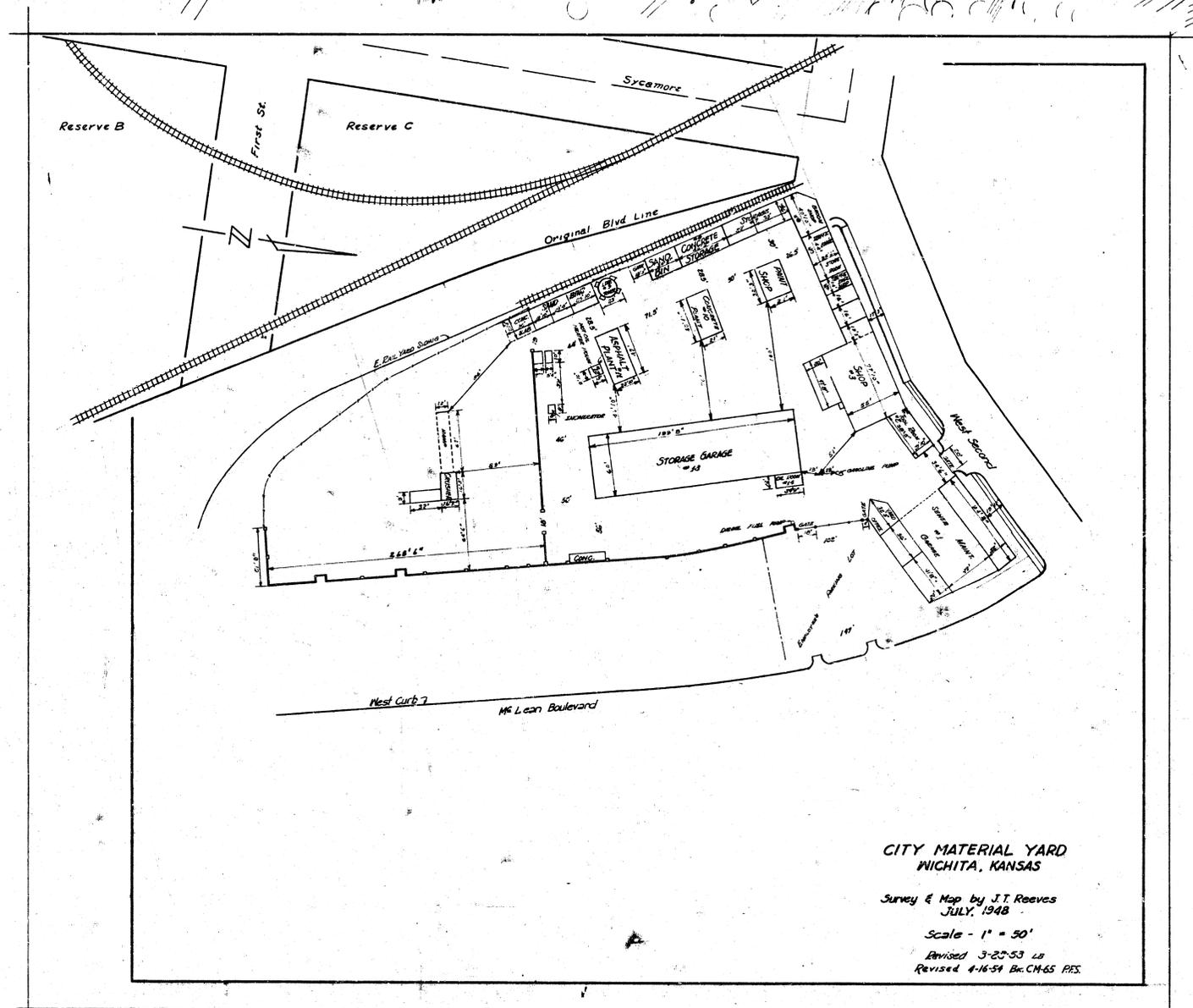
From Sta. H to Matching Existing Ground

MF=0
 C=0
 CF=0
 LF=0

8
 MANIP = 16.9 CY
 CUT = 8.9 CY
 CF = 17.7 CY
 LF = 2.4 CY

SHEET TOTALS:
 MANIP 923.5 CY
 CUT 213.0 CY
 CF 1471.3 CY
 LF 83.9 CY





**CITY MATERIAL YARD
WICHITA, KANSAS**

Survey & Map by J.T. Reeves
JULY, 1948

Scale - 1" = 50'

Revised 3-25-53 LR

Revised 4-16-54 Br. CM-65 P.F.S.