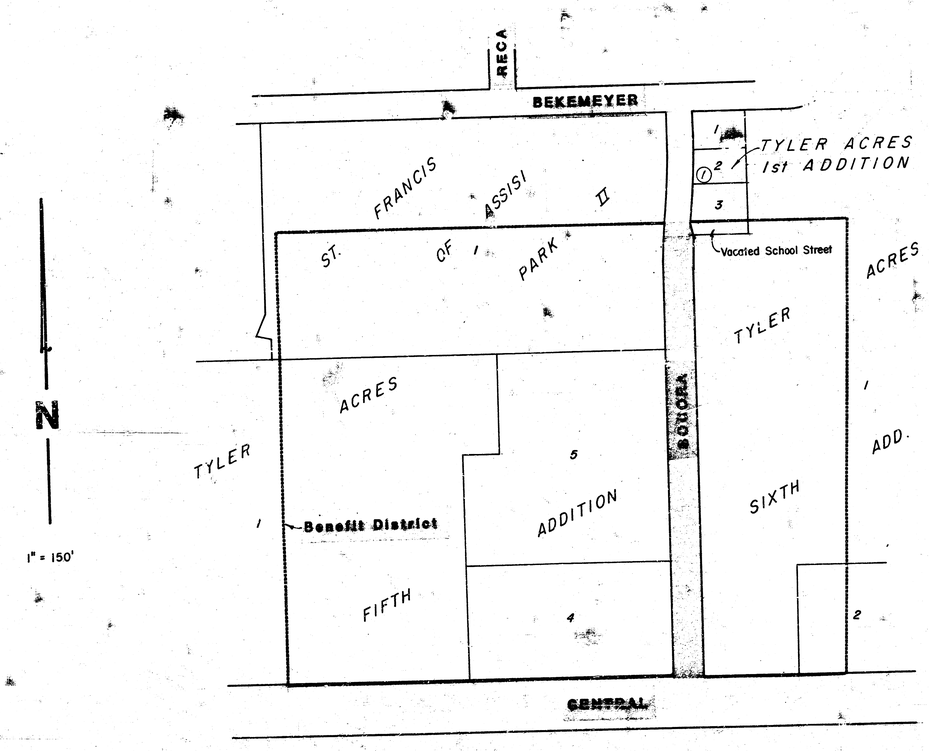
STREET IMPROVEMENTS

SOCORA

N.L. CENTRAL TO S.L. LOT 3, BLK. 1, TYLER ACRES FIRST ADD.

PROJECT NO.
472 76 245 81280 000 000 001



LOCATION MAP

BENCH MARK
City of Wichita Standard Disc located 56.2 feet north and 38 feet east of the Centerlines of Central and Tyler Road. Elev. = 143.90.

GENERAL NOTES

The contractor shall be responsible for preseving property irons. The contractor shall be required to re-establish any property irons which are damaged by his construction operations. Such irons shall be re-established by a licensed land surveyor or a professional engineer in accordance with state laws.

The contractor shall co-ordinate the pavement construction of Socora with the contractor of the associated Storm Sewer Project (SWS 152). Contact Duling Construction Co. (522-3458) for the storm sewer project.

The contractor shall contact the necessary utility companies for any underground line locations to be located in the field prior to construction of the pavement.

CITY OF WICHITA, KS.

MIKE E. LINDEBAK —— CITY ENGINEER

NO MORE THAN 2-30' DRIVES TO BE CONSTRUCTED ON THIS PROJECT.



JUNE 1984

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

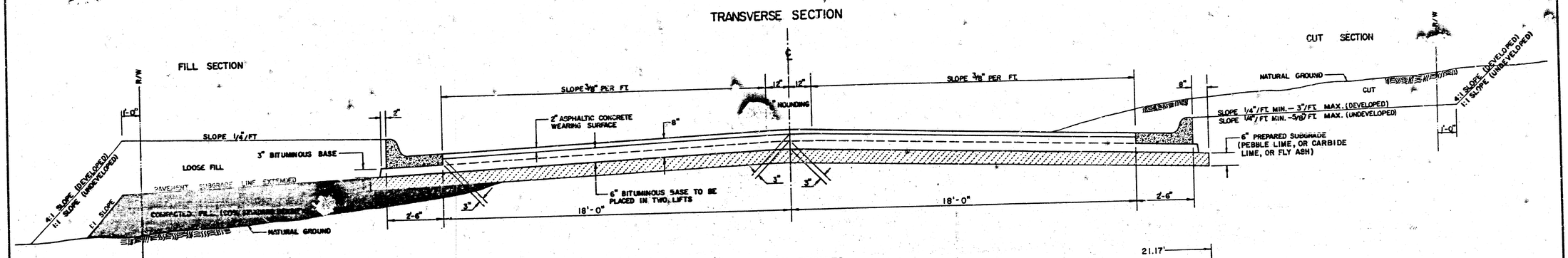
1/6

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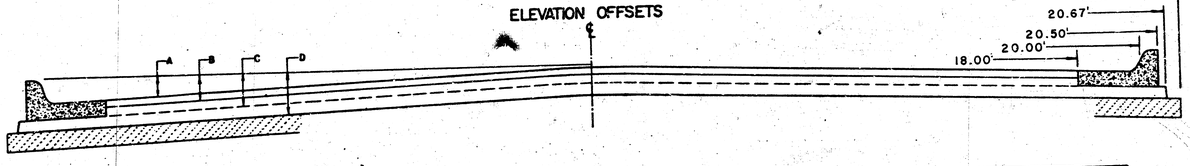
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TYPICAL 41' PAVEMENT DETAILS

TRANSVERSE SECTION

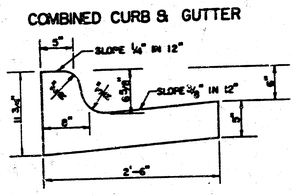


ELEVATION OFFSETS

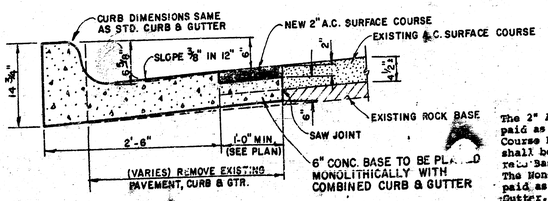


	DISTANCE FROM CENTERLINE (LT. & RT.)													
	0	2	4	6	8	10	12	14	16	18	20	20.5	20.67	21.17
A: TOP OF CURBS TO TOP OF SURFACE LIFT	-.05	-.01	.05	.11	.18	.24	.30	.36	.43	.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.11	.16	.22	.28	.34	.40	.47	.53	.59	.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.36	.41	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	.99	—
D: TOP OF CURBS TO TOP OF SUBGRADE	.61	.66	.72	.78	.84	.90	.97	1.03	1.09	1.15	1.22	1.23	1.24	1.25

COMBINED CURB & GUTTER



NON-STANDARD CURB & GUTTER



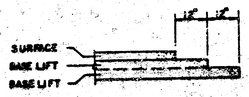
NOTE

The 2" Asphaltic Surface material shall be paid as S.Y. 2" Asphaltic Concrete Surface Course Pavement. The 6" Monolithic Base shall be paid as S.Y. 6" Monolithic Concrete Base Pavement.
The Non-Standard Curb & Gutter shall be paid as L.F. Non-Standard Combined Curb and Gutter.

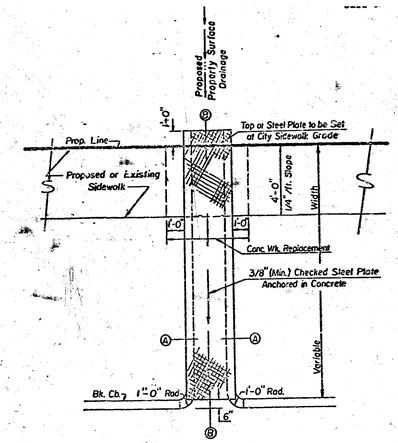
GENERAL NOTES

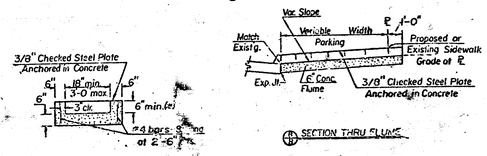
1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 9" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" BITUMINOUS BASE.
3) A TACK COAT OF EMULSIFIED ASPHALT (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.

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 OF 9" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).





A SECTION THRU CONCRETE FLUME

⊕ SECTION THRU FLUME

CONCRETE FLUME DETAIL (Thru Street Parkings)

8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

472-76-245-81280-000-000-001

2/6

BENCH MARK: CITY OF WICHITA DISC, 56.2' N. & 38' W. OF ℄ CENTRAL & TYLER, ELEV. 1133.90

N

1"=20'

STA. 0+65 BEGIN SIDEWALK CONSTRUCTION (LT.)

BEGIN PAVEMENT
BEGIN COMB. C&G

+0.55%

0+00 | 0+65 | 0+77 | 0+93.17 | 1+50 | 2+00 | 2+50 | 3+00 | 3+50 | 4+00 | 4+50 | 5+00 | 5+50

TYLER ACRES FIFTH ADDITION

SAW CUT OR REMOVE C&G TO NEXT EXIST. JOINT

REMOVE 100 L.F. CURB & GUTTER

REMOVE 4' CONC. WALK AS SHOWN. CONSTRUCT 2" ASPH. TEMPORARY WALK TO HOCKUP

MATCH EXISTING GRADE @ H.E. LINE

STORM SEWER BY "OTHERS"

20'x15' DRN. EASM'T.

PROPOSED 8" WATER

20'x19' DRN. EASM'T.

20'x20' DRN. EASM'T.

STA. 0+60 BEGIN SIDEWALK CONSTR. (RT.)

CONSTRUCT TEMPORARY 6" ASPHALT PAVM'T. WITH 6" ASPH. CURB TO STA. 0+77

6" ASPH. CURB SHALL BE CONSIDERED AS INCIDENTAL TO THE BID ITEM (6" TEMPORARY ASPH. PAVEMENT.

NEW PAVEMENT AND SIDEWALK ON CENTRAL BY "OTHERS"

BEGIN SUBGRADE STABILIZATION MANIPULATION.

0+60 | 1+01.25

TYLER ACRES SIXTH ADDITION

CONSTRUCT 4' CONC. SIDEWALK

CONSTRUCT COMB. CURB & GUTTER

CONSTRUCT 4' CONC. SIDEWALK

CONSTRUCT COMB. CURB & GUTTER

+0.58%

CONSTRUCT 8" A.C. PAVEMENT

CENTRAL

SOCORA

DENOTES REMOVAL W/ THIS PROJECT

DENOTES FUTURE CONSTRUCTION

NOTE: 5" TEMPORARY ASPHALT PAVEMENT TO BE PLACED ON INTREATED SUBGRADE, COMPACTED TO 95% STD. DENSITY. COMPACTION OF THIS SUB-GRADE TO BE SUBSIDIARY & 50 YDS 5" TEMPORARY ASPH. PAVM'T.

EARTHWORK QUANTITIES

EXCAVATION	=	3087.2 CY	COMPACTED FILL	=	28.5 CY
+ 10 %	=	308.7 CY	+ 10 %	=	2.9 CY
TOTAL	=	3395.9 CY	TOTAL	=	31.4 CY

MANIPULATION = 4685 SY

NARENT WOOTEN LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

SOCORA

3/6

5/6

Project no. 472-76-245-81280-000-000-001

N

1" = 20'

CURVE DATA (LEFT CURB)
STA. 9+64.8 TO 10+59.52
BASED ON FACE OF CURB R = 1015'

℄ STA. (ON TAN.)	LENGTH (ON TAN.)	LENGTH OF ARC	OFFSET * FROM TAN.
9+64.8 P.C.	–	–	–
10+00	35.2'	35.21'	0.61'
10+25	25'	25.03'	1.79'
10+50	25'	25.07'	3.58'
10+59.52 P.I.	9.52'	9.56'	4.43'

*TANGENT OFFSETS ARE TRUE FOR ANY CURB OFFSET.

EXTEND WALK NORTH AS REQUIRED TO CONNECT TO EXISTING WALK.

P.V.I. ELEV. 152.08 NO V.C.

+0.38%

+0.46%

End Curve

TRANSITION TO EXISTING CURB

5+50 6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+50 9+64.8 P.C. 10+00 10+25 10+50 10+59.52 P.I. 10+79.52

TYLER ACRES FIFTH ADD. ST. FRANCIS OF ASSISI PARK

5

CONSTRUCT 4' CONC. SIDEWALK

CONSTRUCT COMB. CURB & GUTTER

BEGIN 20 L.F. TRANS. TO EXIST. CB. & GTR.

RE-CONNECT ROOF DRAIN TO CURB SUBSIDIARY TO OTHER BID ITEMS.

REMOVE EXISTING CB. & GTR. AND PAVEMENT AS SHOWN. REPLACE W/ NON-STD. CB. & GTR. SEE DETAIL, SHEET 2

II

465'

804.25' R

R=1050'

L=101.5' Δ=5°37'36"

R=1501.78'

PROPOSED 8" WATER

SOCORA

℄ P.I. IS 0.50' LEFT OF ℄ TANGENT EXTENDED

END FULL CROWN

WARP CROWN

SAW & MATCH

MATCH

40 F.F.

35'

℄

CONSTRUCT 8" A.C. PAVEMENT

CONSTRUCT 4' CONC. SIDEWALK

CONSTRUCT COMB. CURB & GUTTER

9+54.8 P.C.

10+29.52 P.I.

(Vacated) SCHOOL ST.

10+59.52 P.I.

END PAVEMENT
END SIDEWALK
END STD. COMB. C & G

S.W. COR. LOT 3, TYLER ACRES 1ST ADDITION

RELOCATE MAILBOX. REPLACE AT COMPLETION OF PROJECT.

BEGIN 10.5 L.F. TRANS. TO EXIST. CB. & GTR.

RAW DEDICATED BY SEPARATE INSTR.

TYLER ACRES SIXTH ADDITION

9+50

11+00 P.I.

11+10.5

+0.38%

+0.64%

TRANSITION TO EXIST. CURB

P.V.I. ELEV. 152.08 NO V.C.

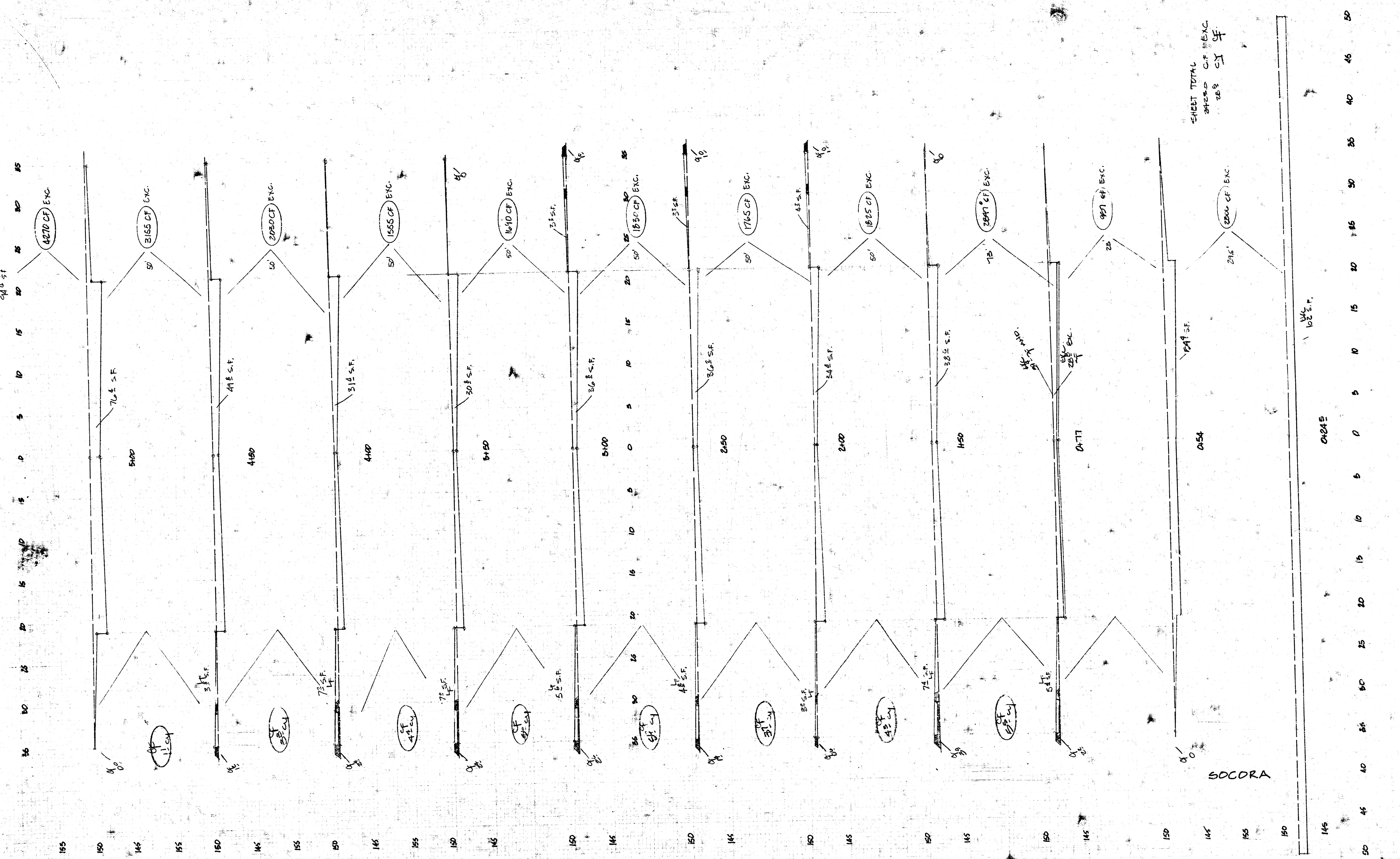
STA. 10+47.8 CONSTRUCT 3'-0" CONCRETE FLUME
FL. @ PT. = 152.84
TOP @ PT. = 153.54
SEE DETAIL, SHEET 2

SOCORA

4/6

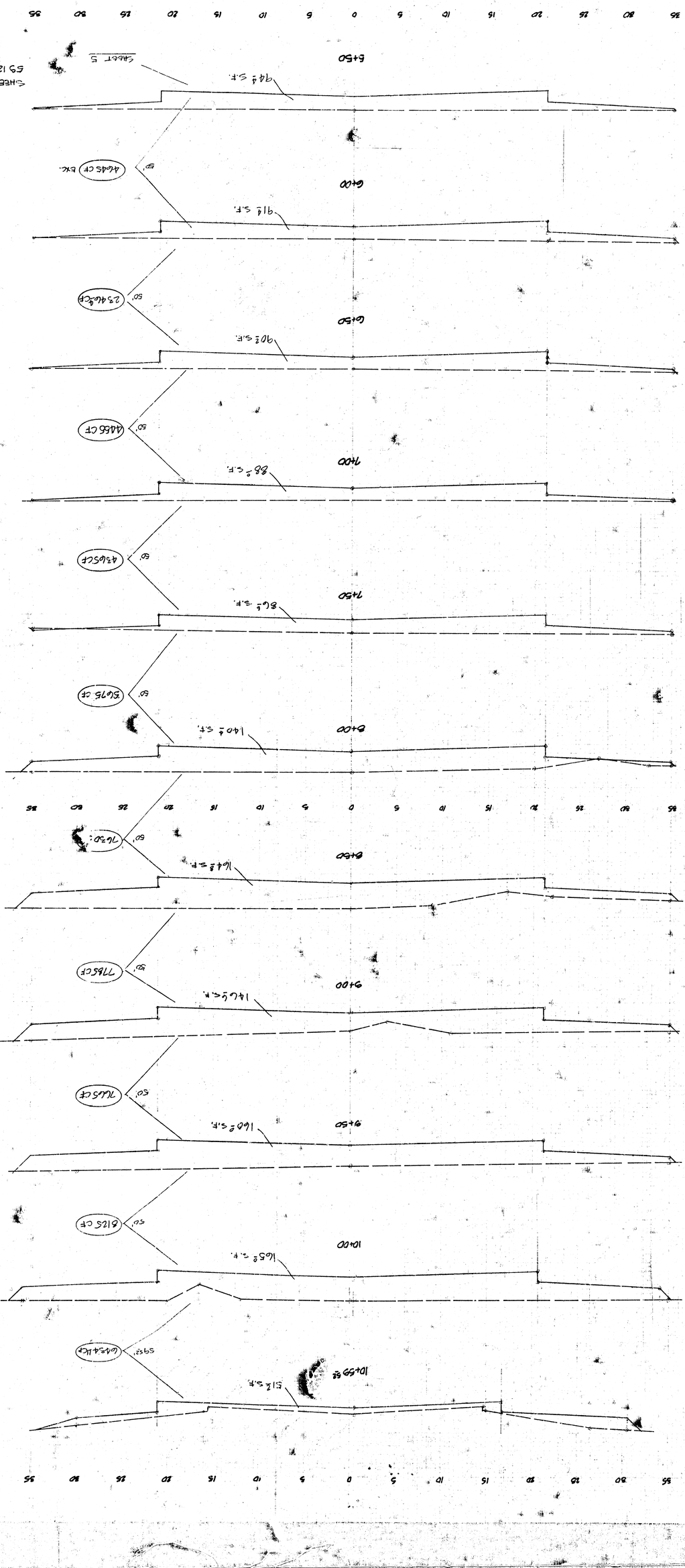
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Project no. 472-76-245-81280-000-000-001



PROJ. NO. 472-76-245-81280-000-000-001

5/6


SHEET 5
SHEET 6
SOCORA
PROJ. NO. 472-741 STP-0180(000)-00(001)
8
6/6
9/9
28.5' CY.
0
- 28.5' CY. CORR FILL
84280 C.F.
SHEET 5
59125 SI C.F.
SHEET 6
83555 SI C.F.
= 2087 2 C.Y. EXC.
SHEET 5
59125 SI CF EXC.
NO FILL
35 30 25 20 15 10 5 0 5 10 15 20 25 30 35
5+50
74± S.F.
SHEET 5
6+00
91± S.F.
4648 CF
EXC.
6+50
90± S.F.
2346 CF
7+00
88± S.F.
4466 CF
7+50
86± S.F.
4360 CF
8+00
140± S.F.
3607.5 CF
8+50
101.5± S.F.
1012.4 CF
9+00
168± S.F.
1260 CF
9+50
160± S.F.
1165 CF
10+00
165± S.F.
1125 CF
10+55.82
51.2± S.F.
492.4 CF
9+50
160± S.F.
1165 CF
9+00
146± S.F.
1065 CF
8+50
144± S.F.
1050 CF
8+00
140± S.F.
1020 CF
7+50
88± S.F.
641.5 CF
7+00
91± S.F.
663.5 CF
6+50
94± S.F.
685.5 CF
6+00
91± S.F.
663.5 CF
5+50
74± S.F.
SHEET 5