KANSAS TURNPIKE AUTHORITY PROPERTY - PERMIT REQUIRED TO DO WORK SHOWN

Sta. 10+00 - Begin Channel "B"

2 - 5'x 4' R.C.B.

Sta. 12+03.97 - End Rip-Rap

DRAINAGE DEDICATION

P.I. Sta. 10+74.33 Channel "B"
P.I. Sta. 13+62.21 (Channel "A")

P.C. Sta. 10+74.33
P.T. Sta. 13+62.21

Elev. = 149.5

CURVE NO. 6

CURVE NO. 4

CURVE NO. 3

℄ CHANNEL "B"

℄ CHANNEL "A"

15' MAINTENANCE & ACCESS EASEMENT

Sta. 13+99 to Sta. 13+04
Construct Ditch Check
See Detail 1/2

Sta. 13+94 to Sta. 13+88
Construct Ditch Check
See Detail 1/8

Construct Rip-Rap

P.T. Sta. 13+62.21

Ex. 30" Pipe

Sta. 17+78 to Sta. 17+82
Construct Ditch Check
See Detail 1/2

Construct Rip-Rap

Elev. = 150.2

Sta. 19+68.63 - Begin
Rip-Rap - See Det'l. 6/2

Constr. Rip-Rap

Remove 30'± 18" Pipe

P.T. Sta. 19+68.63

P.T. Sta. 20+23.13

P.C. Sta. 18+60.33

Elev. = 152.3

Replace End-Section

Sta. 20+28.13 - End
Rip-Rap

Sta. 16+66.08 - Begin
Rip-Rap

Sta. 14+52.60 - End
Rip Rap

110 (Typ.)

P.T. Sta. 14+52.60

Sta. 13+10.73 - Begin
Rip-Rap - See Det'l. 2/2

Sta. 11+46.67 - End
Rip-Rap

Sta. 10+77.84 - Begin
Rip-Rap - See Det'l. 2/2

Sta. 10+25.0 to Sta. 10+29.0
Construct Ditch Check
See Detail 1/2

Warp Curve (Typ.)

DRAINAGE DEDICATION

CURVE NO. 1

P.C. Sta. 11+46.67

P.T. Sta. 10+77.84

Elev. = 151.0

P.O.T. = ℄ Sta. 10+00 Channel "A"
154.6 ℄
716' E

64.35

2-36" Storm Sewer
& Headwall (By Others)

P.O.T.

SCALE 1"=40'
Contour Interval = 1'
Date of Topo 10-73

NOTE: CONTRACTOR TO FILL AND GRADE AREA TO DRAIN ON TURNPIKE RIGHT-OF-WAY LEFT OF STA. 22+43 ON CHANNEL B. FILL TO BE COMPACTED ADJACENT TO 24" PIPE TO 90% OF STD. DENSITY TO A POINT 6" ABOVE THE TOP OF THE PIPE. THIS WORK WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK. TOP OF LEFT SLOPE ON CHANNEL B TO MATCH EXISTING GROUND 15' SOUTH OF SURFACE FENCE FROM STA. 25+50 TO STA. 26+88±. CONTRACTOR WILL BE REQUIRED TO FILE A DEPOSIT WITH THE TURNPIKE AUTHORITY PRIOR TO STARTING CONSTRUCTION. DEPOSIT WILL BE REFUNDED UPON SATISFACTORY COMPLETION OF THE WORK. ALL DISTURBED AREAS OF TURNPIKE RIGHT-OF-WAY SHALL BE FERTILIZED, SEEDED, AND MULCHED.

NOTES

1. (A1) A/1 — Section letter or Detail No. / Sheet on which Section or Detail is Shown
2. All contours shown are exist. ground in 1974
3. For Profiles See Sheet 3
~~4 for Storm Drain Plan & Profile See Sheet 4~~
~~5 for Headwall & Manhole Details See Sheet 5~~
6. For Design Approval See letter dated 9-13-74 from M.S. Mitchell to Professional Engineering Consultants, P.A..

HORIZONTAL CONTROL

POINT NO.	COORDINATES NORTH	EAST
(A)	100.00	200.00
(1)	100.00	643.65
(2)	175.0334341	558.8169309
(3)	216.1368986	278.7741875
(4)	559.7441281	247.8076883
(5)	681.1331939	332.3306699
(6)	634.4174423	352.7146171
(7)	750.5550438	661.5113503
(8)	713.6809449	966.3584414
(9)	484.9638428	1054.3954577
(10)	508.3596054	1779.8318257
(11)	612.4286305	290.5835053
(12)	640.5479710	383.2130515

Fill area to Elev. 152.0±
Cross-Sections Required

Install end-section, apart @ 2' LA
Sta. 22+41, Paid for as L.F. Pipe

Install 47'± of 24" RCP
USFL 149.07; DSFL 147.10

Remove Headwall
Install Conc. Collar Pipe Joint

KANSAS TURNPIKE AUTHORITY PROPERTY - PERMIT REQUIRED TO DO WORK SHOWN

24" R.C.P.

600 N

DRAINAGE DEDICATION

℄ CHANNEL "B"

Elev. = 153.5

15' MAINTENANCE & ACCESS EASEMENT

18" RCP

Existing Turnpike Fence

NOTE: Construct Ditch Check, Alter as required to align with Channel from E.N.E. (Sta. 26+88±)

Sta. 26+90 - End Construction

Sta. 24+71 - Begin Rip-Rap - See Det'l. 8/2

Sta. 26+86± - End Rip-Rap

Sta. 24+67 TO Sta. 24+71
Construct Ditch Check
See Detail 1/2

Sta. 22+43 to Sta. 22+47
Construct Ditch Check
See Detail 1/2

BLOCK I
LOT I
LINCOLN MEADOWS, AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

NOTE: All Grid Lines Parallel or right Angle to South Line of Addition

155.7 @ 800 E
156.8 @ 894 E
157.1 @ 915 E
157.7 @ 975 E
158.7 @ 1054 E
159.1 @ 1086 E
159.5 @ 1118 E
159.9 @ 1200 E
160.7 @ 1257 E
160.8 @ 1280 E
160.5 @ 1232 E
161.5 @ 1400 E
162.0 @ 1481 E
162.7 @ 1600 E
163.5 @ 1751 E

= Minimum Required Finish Elevation @ 25' North of P.L. [TO PREVENT FLOODING FROM STREET]

= Easterly Coordinate Station

P.L. = SEC. LINE

Proposed T.C. = 136.40
Proposed T.C. = 139.09
Proposed T.C. = 161.50

LINCOLN STREET

Proposed T.C. = 136.90
Proposed T.C. = 137.60
Proposed Back of Curb Line (typ.)
Proposed T.C. = 160.20
Proposed T.C. = 160.60
Proposed T.C. = 162.00
Proposed T.C. = 162.40

CYPRESS

COOPER

LAUREL

41'

70'

CURVE DATA

Curve No. 1
P.I. = ℄ Sta. 11+13.25
Δ = 5°08'32"
R = 131.00'
L = 11.73

Curve No. 3
P.I. = ℄ Sta. 17+13.70
Δ = 40°00'00"
R = 131.00'
L = 91.46'

Curve No. 5
P.I. = ℄ Sta. 11+55.56
Δ = 87°02'46"
R = 85.00'
L = 129.12'

Curve No. 7
P.I. = ℄ Sta. 17+56.20
Δ = 53°51'47"
R = 841.00'
L = 226.56

VERTICAL CONTROL

NOTE: Elevations Shown are City of Wichita Datum

B.M. #1 - Chis. "□" S.E. Cor. of South Headwall of 2-5'x4' R.C.B. under K.T.A. Elev. = 145.90

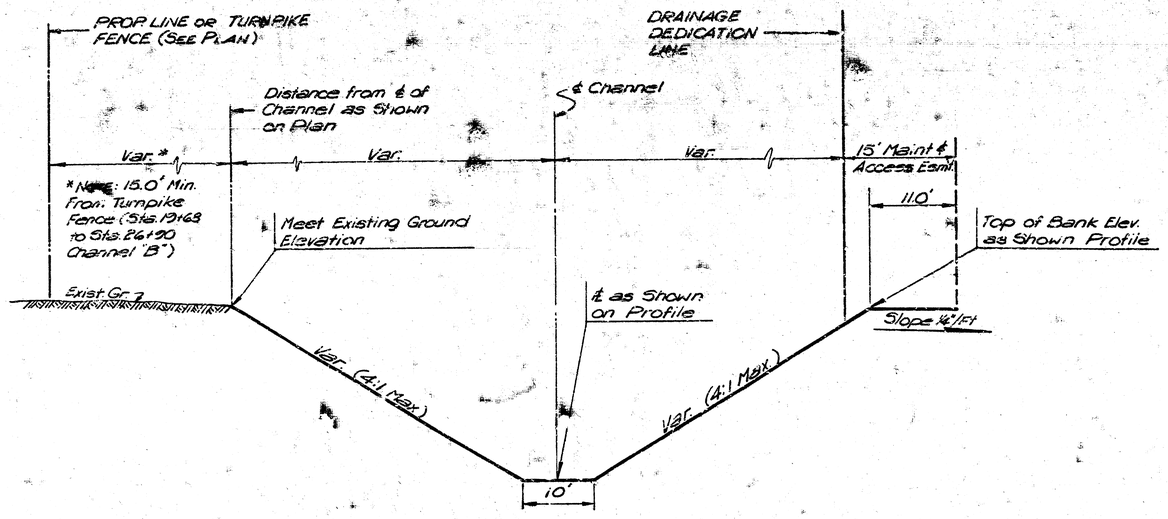
B.M. #2 - Metal Fc. Post @ Coordinate Sta. 700 E ℄ 111.7 N Elev. = 158.11

B.M. #3 - R.R. Spike in Hedge tree @ Coordinate Sta. 1875 E ℄ 99 N Elev. = 162.18

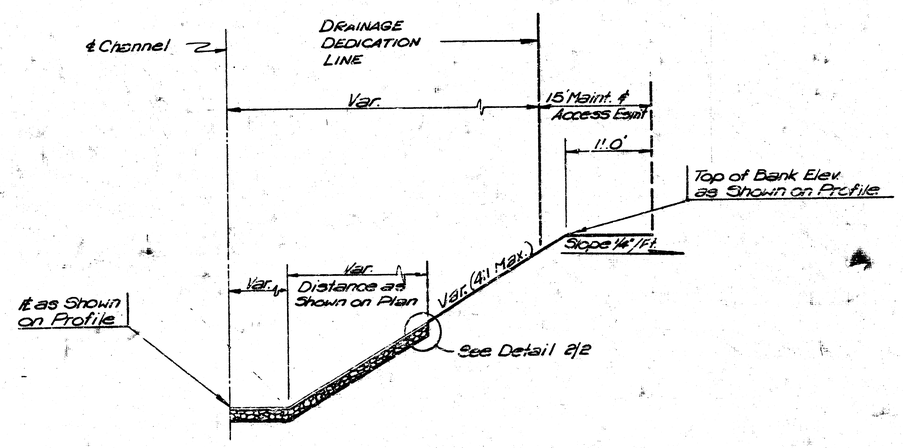
(A) = Reference Point = N.W. Cor. S.E. 1/4, Sec. 29, T27S, R2E

NOTE: BECAUSE OF GROUND CHANGE SINCE ORIGINAL CROSS-SECTIONS, THE ENGINEER SHALL TAKE NEW CROSS-SECTIONS BEFORE AND AFTER CONSTRUCTION OF THIS PROJECT.

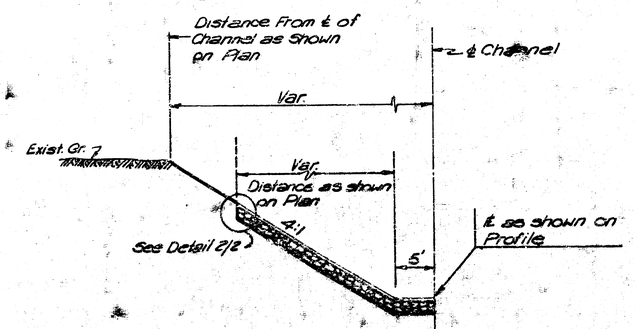
No.	Revision	By
2	Revised for SWD #21	WK
1	Changed S.D.-8 & Added Note "G"	GA

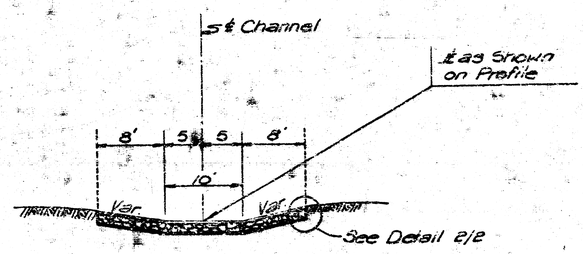


A/2 TYPICAL CHANNEL SECTION
(CHANNEL "A" & CHANNEL "B")

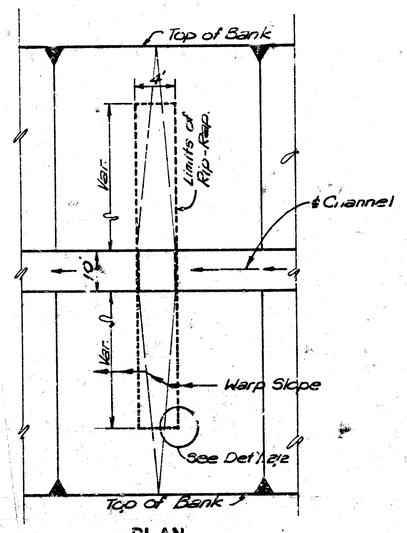


B/2 TYPICAL CHANNEL SECTION
Sta. 16+66.02 (Channel "A") to Sta. 12+03.97 (Channel "B")

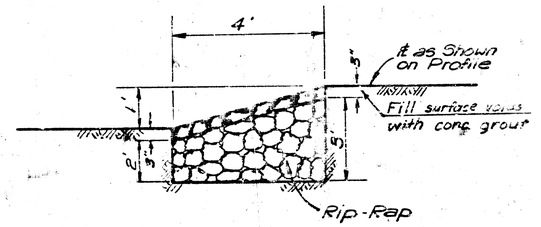




D/2 TYPICAL CHANNEL SECTION
Sta. 10+00 to Sta. 10+74.85 (Channel "B")

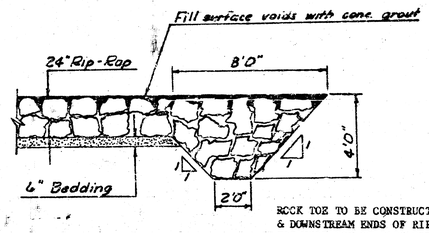


PLAN



SECTION THRU ℄ OF CHANNEL

1/2 DITCH CHECK DETAILS



ROCK TOE TO BE CONSTRUCTED ON UPSTREAM & DOWNSTREAM ENDS OF RIP-RAP. ROCK TOE WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID PER SQUARE YARD OF ROCK RIP-RAP.

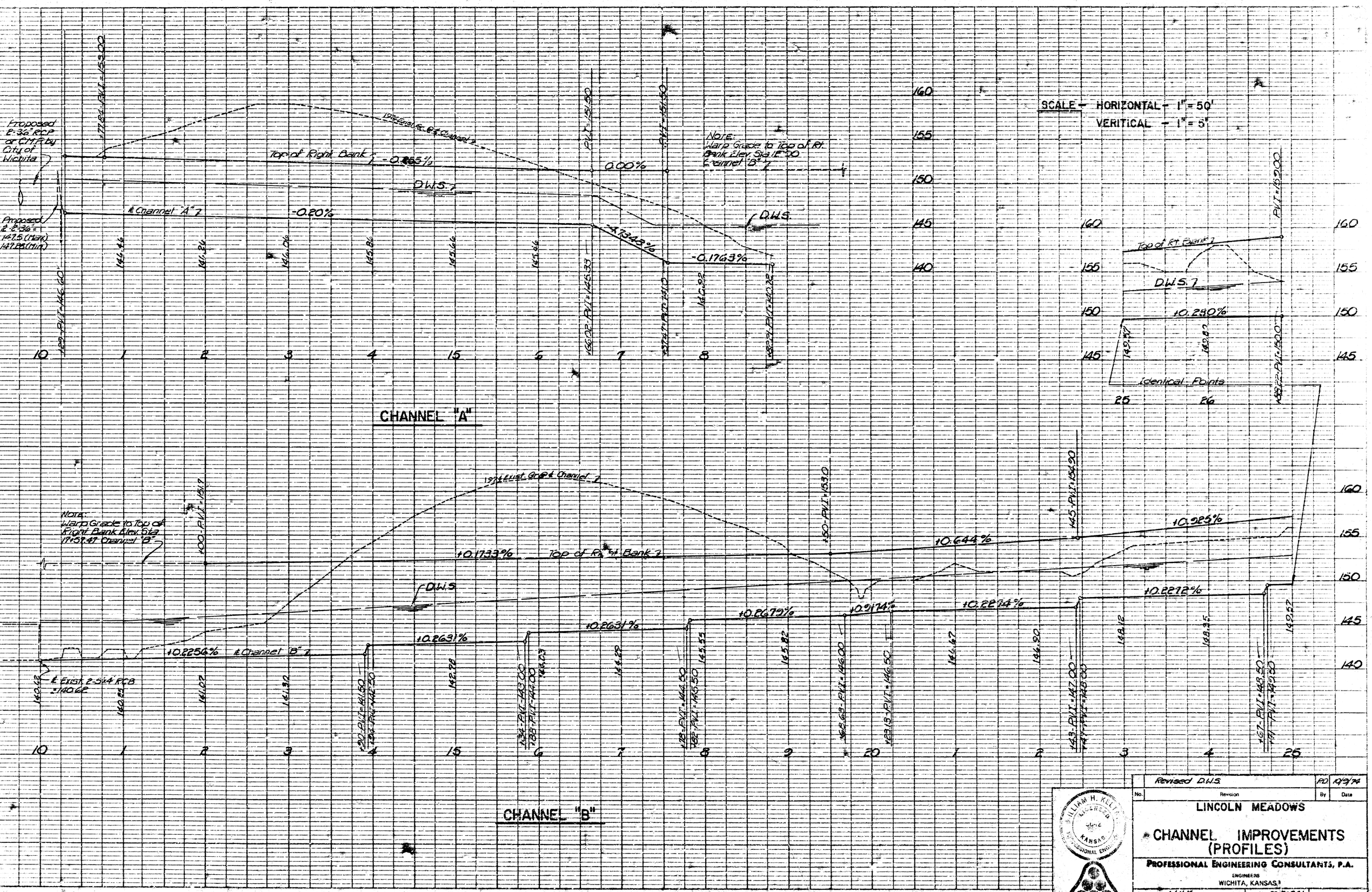
2/2 RIP RAP DETAILS

No.	Revision	By	Date
1	Revised for SWD #21	WK	4-24-7

WILLIAM H. KELLNER LICENSED 5642 KANSAS PROFESSIONAL ENGINEER

LINCOLN MEADOWS

CHANNEL IMPROVEMENTS (SECTIONS & DETAILS)



No.	Revision	By	Date
	Revised D.W.S.	PD	10/9/74

LINCOLN MEADOWS

CHANNEL IMPROVEMENTS (PROFILES)

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by W.H.K. | Job No. 30-24241 | Sht. 3 of 6
Drawn by P.D. | Date Sept 18 74

LINCOLN MEADOWS CHANNEL SECTIONS CHANNELS A & B

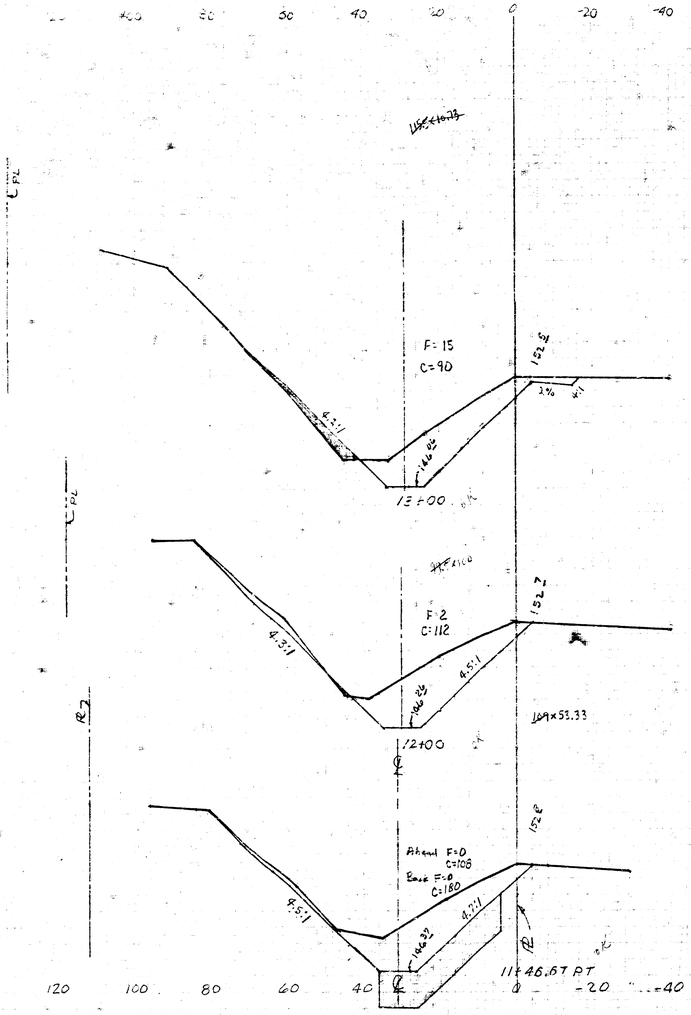
Sheet 1 of 2

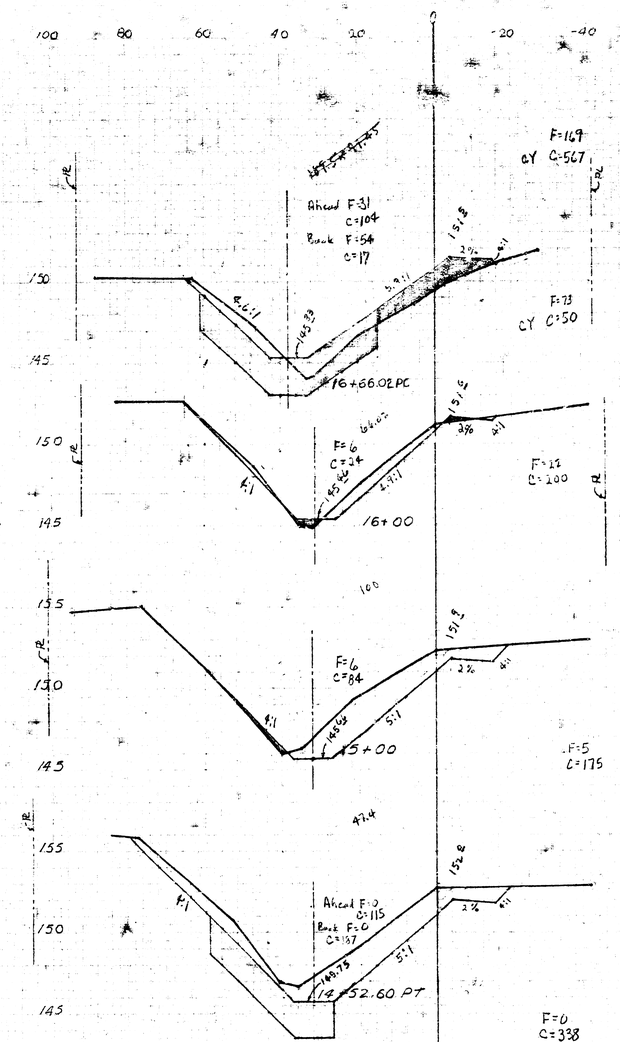
See Channel Improvement Plan by PEL, Sheet 1 for

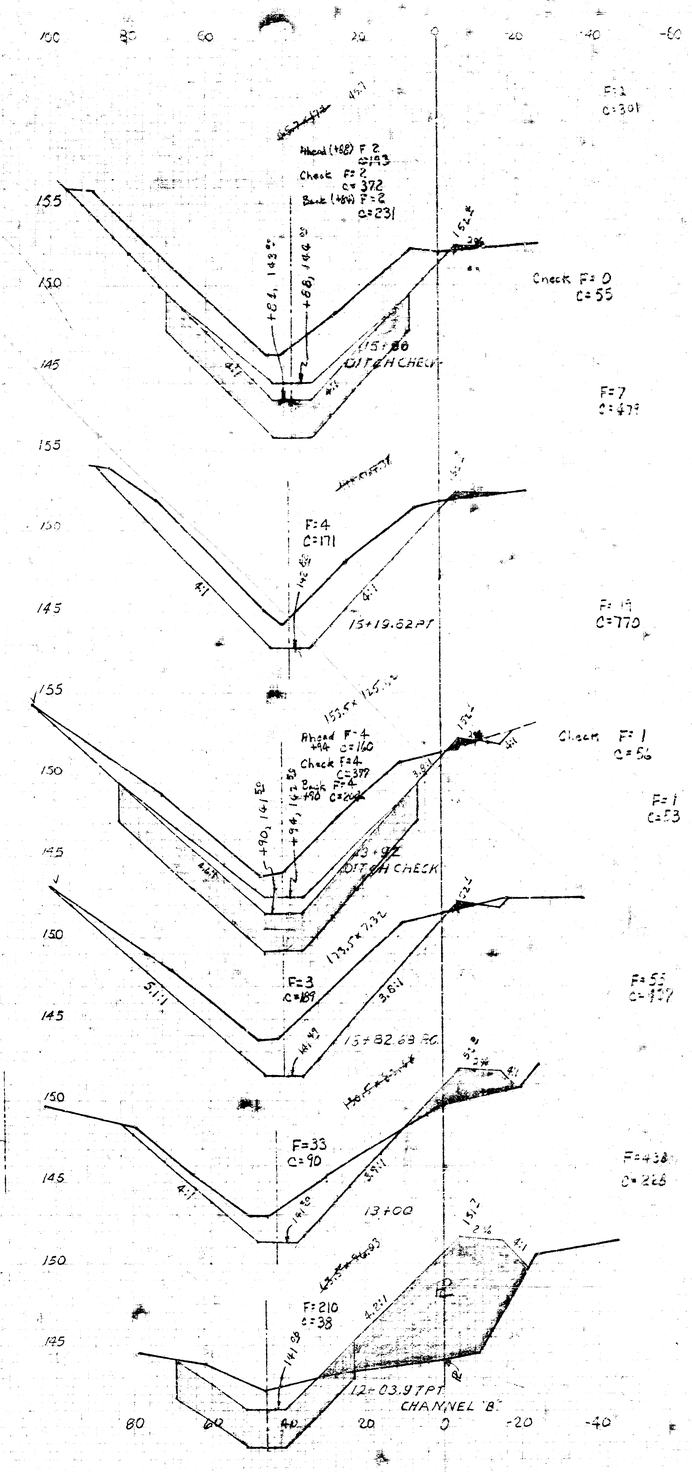
1. Bench marks
2. Stations and location of Channel A & B

Cross Sections in field made on Sept. 2, 1975

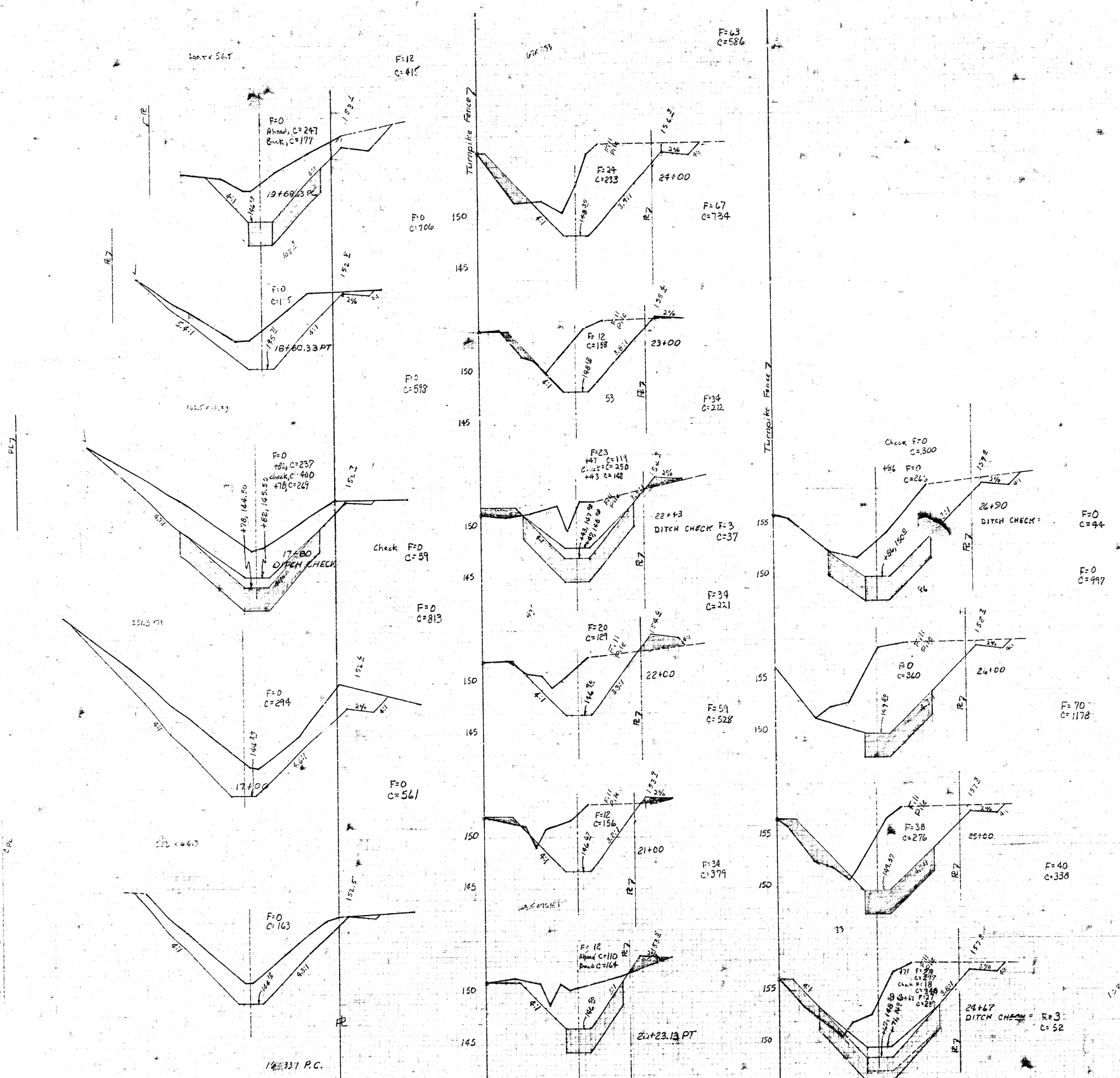
K. O. Taylor, P.E.
Sept. 10, 1975



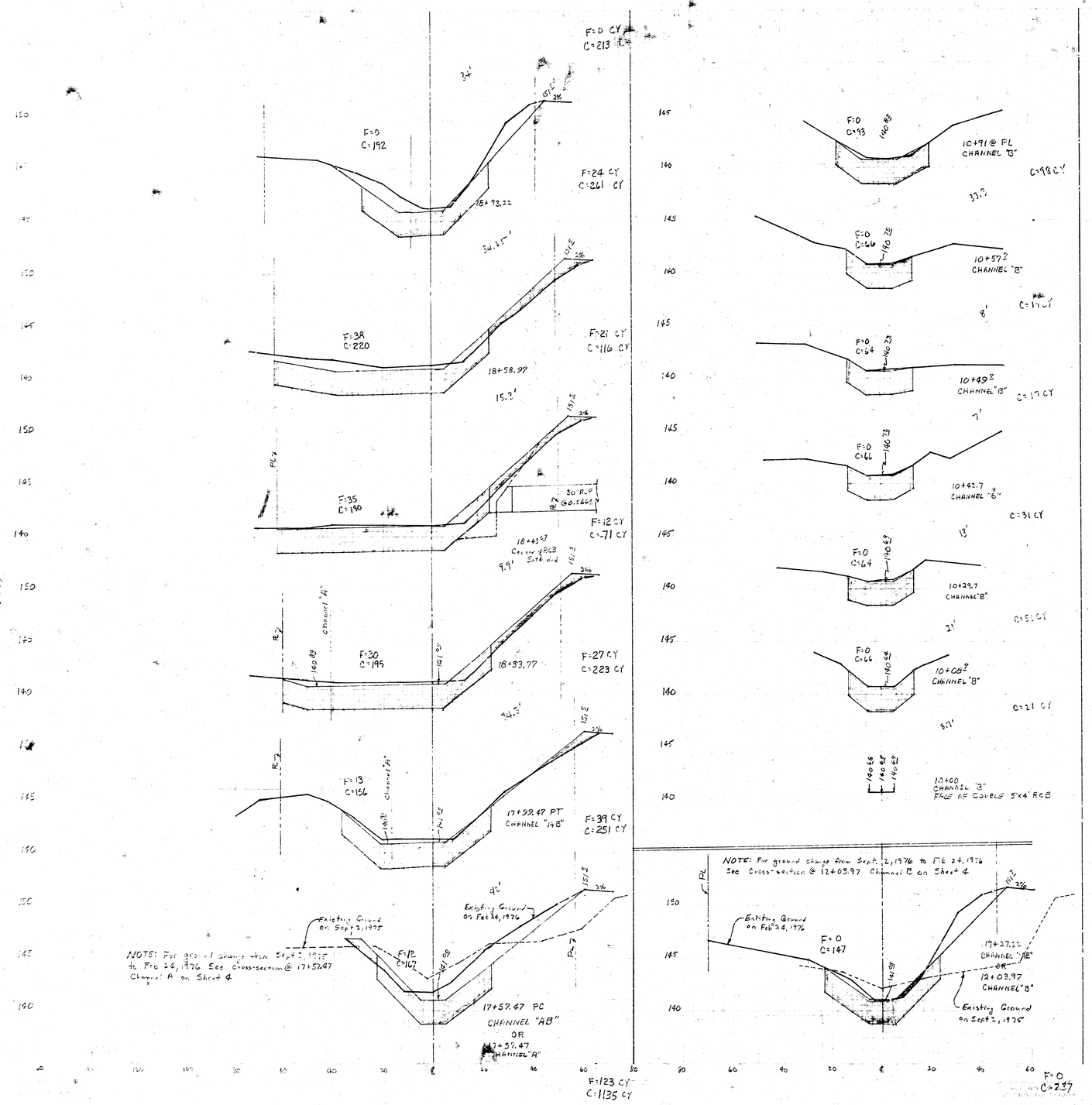




LINCOLN MEADOWS
CHANNEL SECTIONS
CHANNELS A & B
Sheet 2 of 2



TOTAL THIS SHEET F= ~~650~~ 419 CY
C= ~~2015~~ 8518 CY



Field Book LE-5-5

TOTAL THIS SHEET F= 123 CY
C=1372 CY

TOTAL ALL SHEETS F= ~~1661~~ 1430 CY
C= ~~15,196~~ 15,701 CY

Project No. ~~DBK~~ 574094 SWD # 2 Sheet 6 of 8