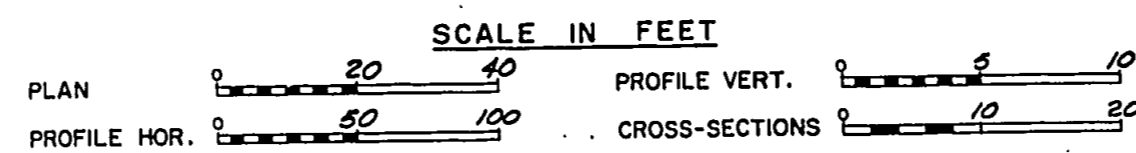


**STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
148	130-I	Williamson	30	1
P. 99-003-71				

For Index of Sheets (See Sheet No. 3)

Design Designation:
2000(91) Area Service 0.963 (Bil.-20)



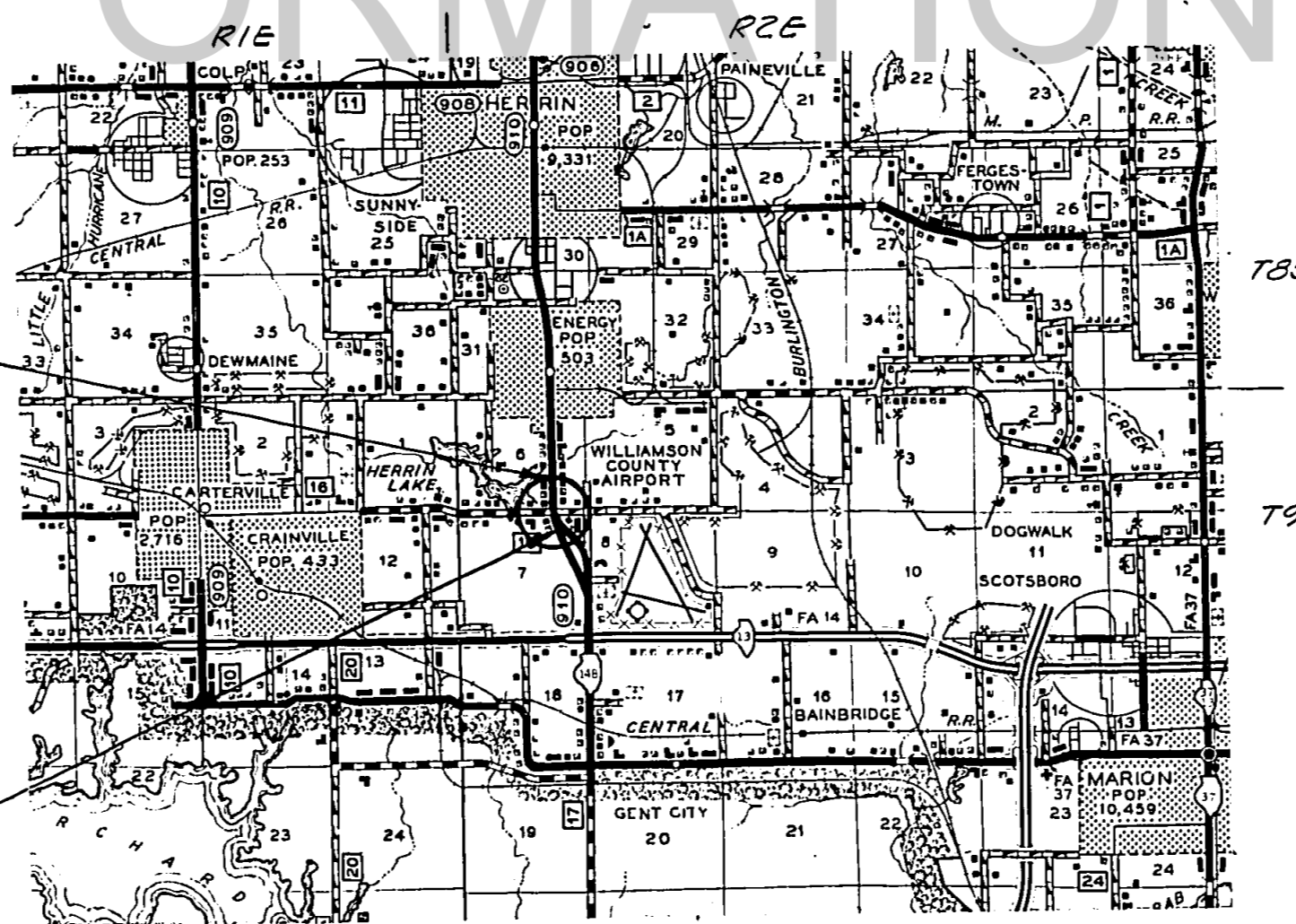
*F.A. Route 148
Section 130-I
Williamson County
C-99-302-71*



FOR INFORMATION ONLY

*Proposed Improvement Ends
Station 128+52.61*

*Proposed Improvement Begins
Station 103+24.28*



Approximate Scale: 1"=1 Mile
Improvement Length = 2291.63 Lin. Ft. = 0.434 Miles

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

SUBMITTED: June 28, 1971
J. J. Newton
DISTRICT ENGINEER

EXAMINED: Aug 10, 1971
W. W. Dandell
CHIEF OF FIELD PLANS AND CONTRACTS

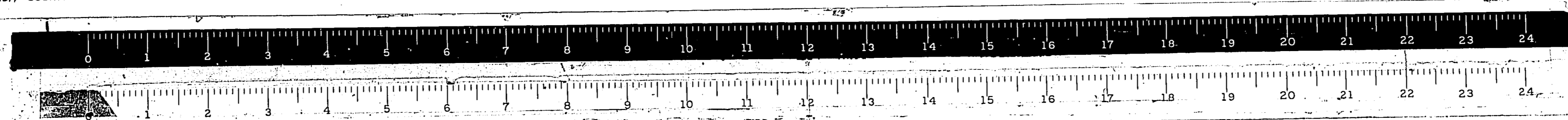
PASSED: Aug 6, 1971
E. E. Baumann
SUPERVISOR OF DESIGN

APPROVED: [Signature]
DISTRICT ENGINEER

APPROVED: [Signature]
DISTRICT ENGINEER

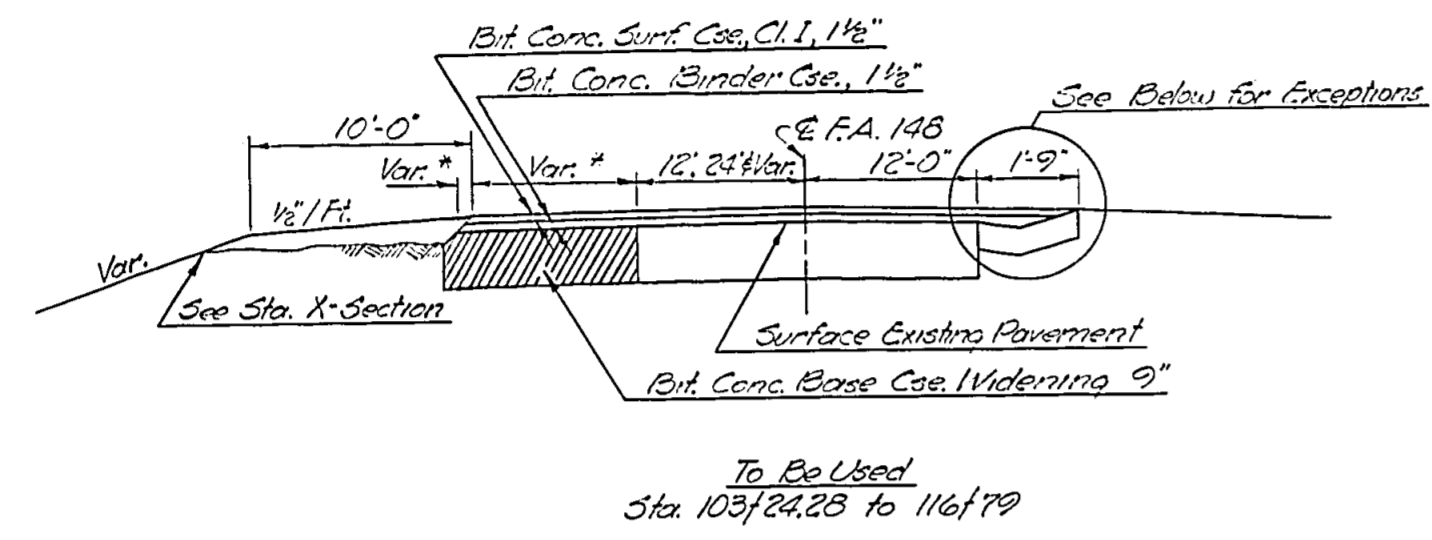
CONTRACT NO. 28748

Williamson COUNTY SECTION 130 I F. A. ROUTE 148



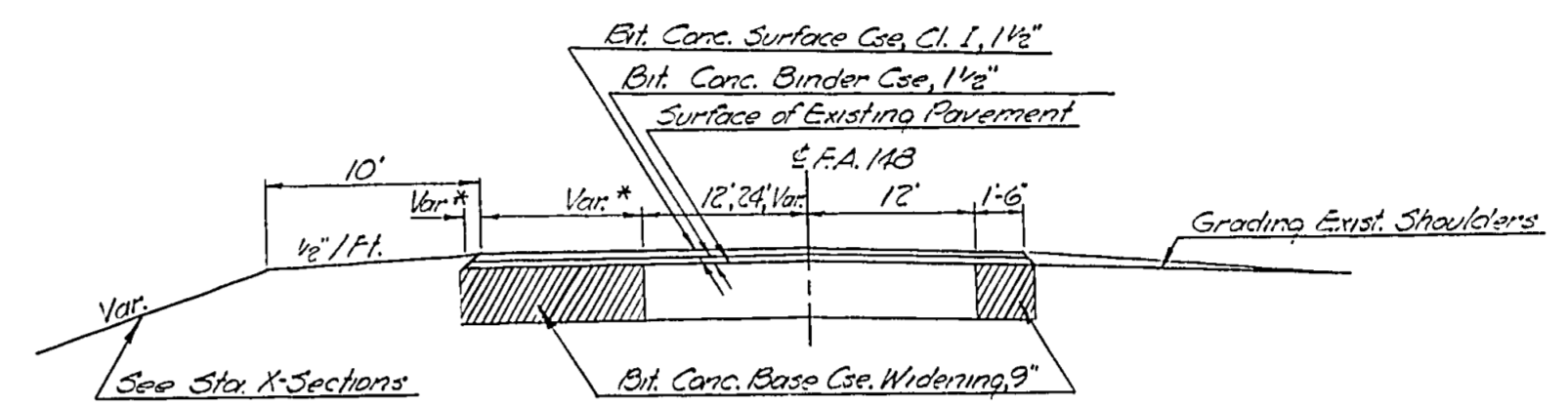
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 148	130I	Williamson	30	2
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Typical Section

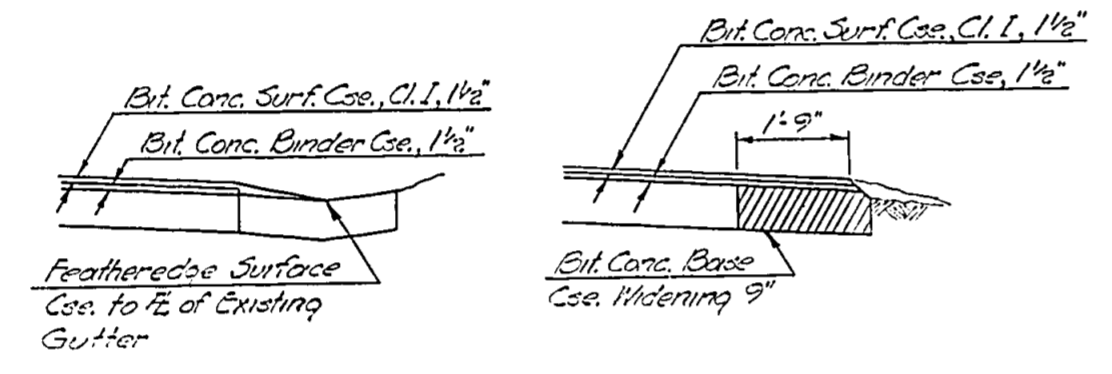


To Be Used
 Sta. 103/24.23 to 116/79

* See Plan Sheet for Widening and Edge of Shoulder Offsets.



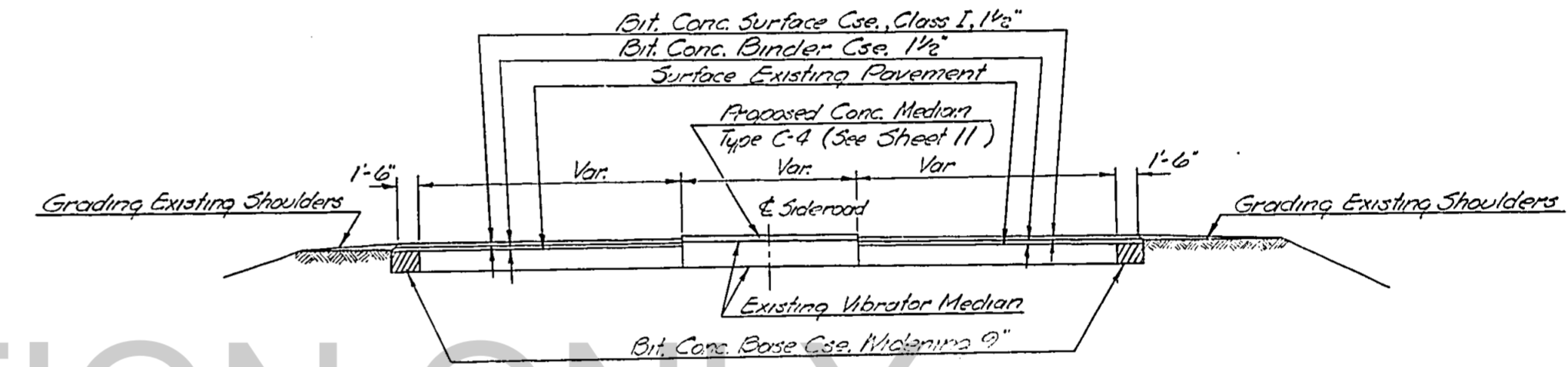
To Be Used
 Sta. 116/79 to 128/52.61



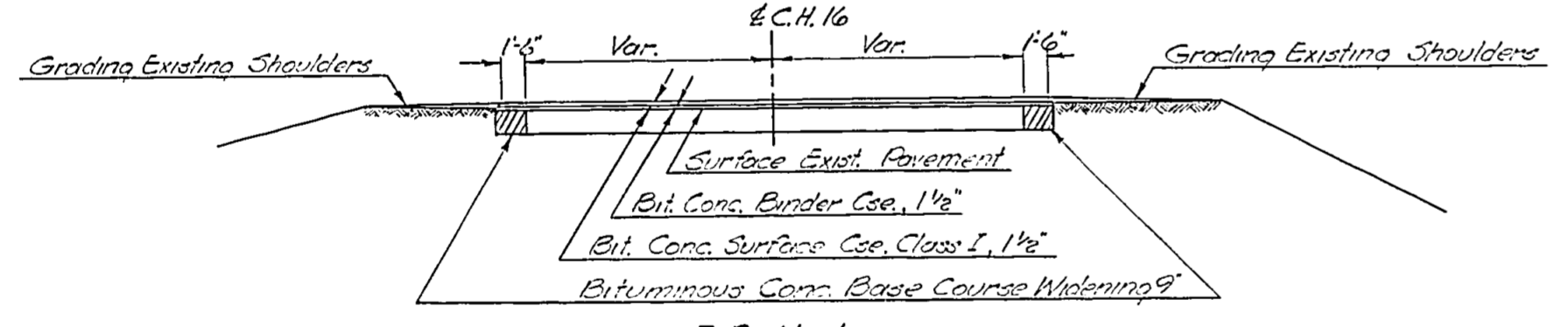
To Be Used
 Sta. 103/24.23 to 104/60

To Be Used
 Sta. 113/25 to 114/73

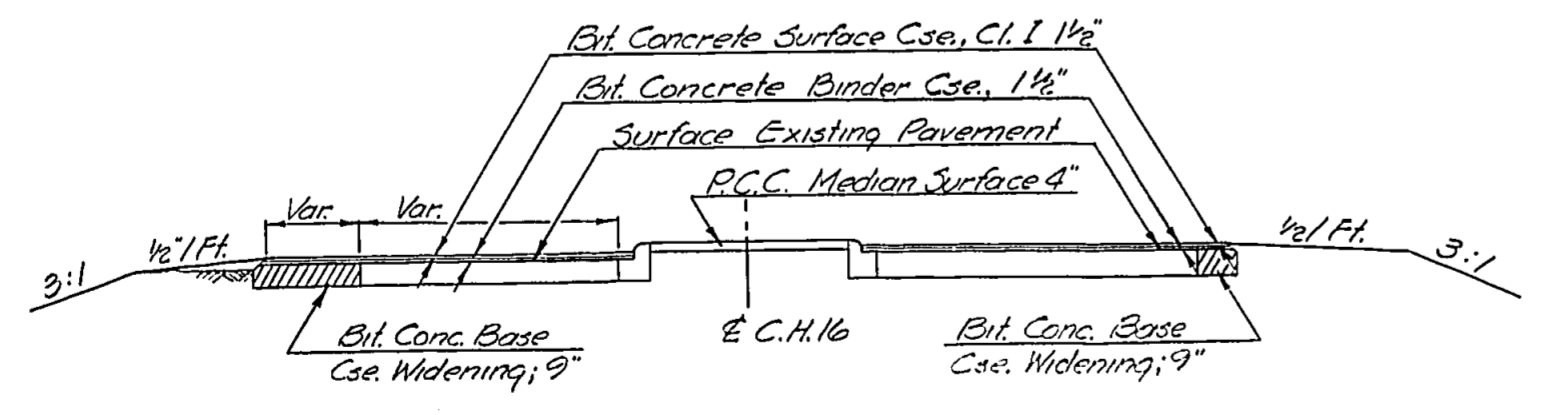
The thickness of Bituminous Mixture shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing surface or base on which the Bituminous Mixture is placed.



To Be Used
 Sta. 14/43.3 to 21/40

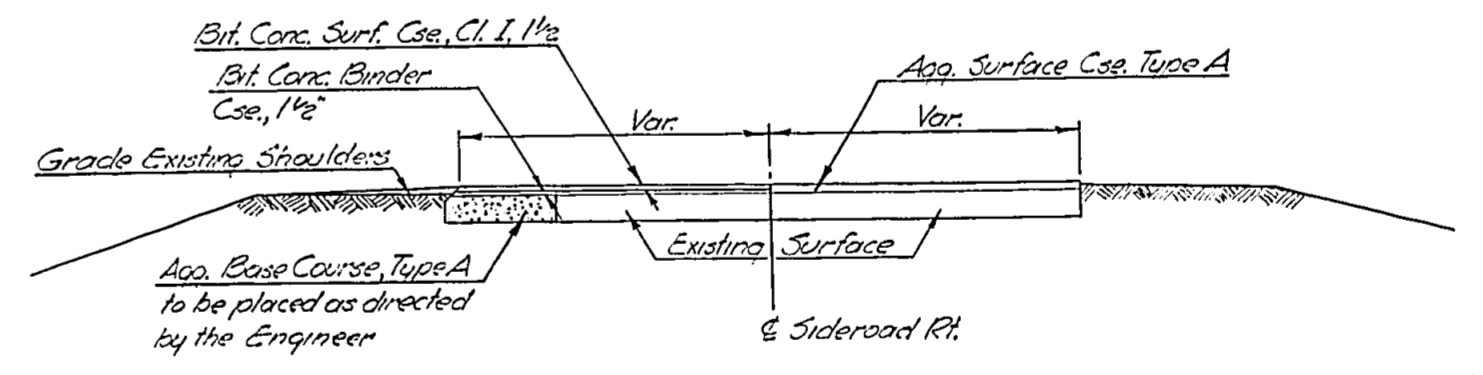


To Be Used
 Sta. 11/43 to 11/43.3
 Sta. 21/40 to 31/60



To Be Used
 01/35.45 to 16/43

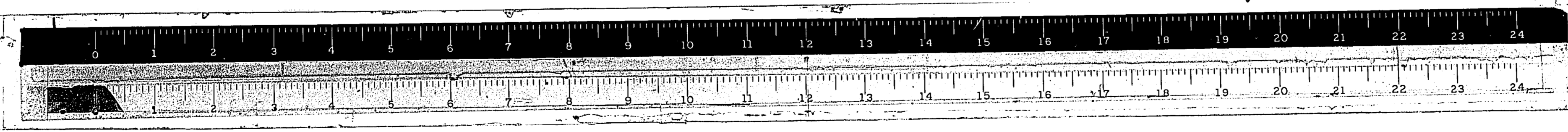
At some locations under this typical section, it may be necessary to construct ditches in order to maintain positive drainage. These ditches shall be constructed at locations as directed by the Engineer.



Half Section To Be Used
 Lt. & Rt. Sta. 0R/12 to 0R/19.13

Half Section To Be Used
 Lt. & Rt. Sta. 0R/19.13 to 1R/29.13

F.A. Route 148 Section 130I Williamson County



General Notes

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

ALL PIPE CULVERTS DESIGNATED ON THE PLANS (R.C.C.P.) SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 709.03 OF THE STANDARD SPECIFICATIONS.

MULCHING OF SEEDED AREAS, IN ACCORDANCE WITH METHOD 2 OF SECTION 643 OF THE STANDARD SPECIFICATIONS, WILL BE REQUIRED.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

PROTECTIVE COAT SHALL ALSO BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

LEVELING BINDER (MACHINE METHOD) SHALL BE USED TO CORRECT SAGS AND IRREGULARITIES IN THE EXISTING PAVEMENT AT LOCATIONS AS DIRECTED BY THE ENGINEER. IT IS NOT THE INTENTION THAT LEVELING BINDER (MACHINE METHOD) BE USED CONTINUOUSLY THROUGHOUT THE JOB. THE QUANTITY SHOWN IN THE PLANS IS AN ESTIMATE ONLY.

MAILBOX TURNOUTS WHEN ENCOUNTERED IN THE FIELD SHALL BE SURFACED WITH 4" OF AGGREGATE SURFACE COURSE, TYPE A, IN ACCORDANCE WITH MAILBOX DETAIL ON SHEET 12. ESTIMATED QUANTITY - 81 TONS.

PRIVATE ENTRANCES SHALL BE SURFACED TO THE SHOULDER LINE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

QUANTITIES USED IN ESTIMATING --

BITUMINOUS MATERIALS (PRIME COAT) -- 0.32 GAL. PER SQ. YD. -- SIDE APPROACHES
 BITUMINOUS MATERIALS (PRIME COAT) -- 0.09 GAL. PER SQ. YD. -- EXISTING CONCRETE
 AGGREGATE (PRIME COAT) -- 0.0015 TONS PER SQ. YD.
 BITUMINOUS CONCRETE SURFACE COURSE, CLASS 1, 1-1/2" THICK -- 0.084 TONS PER SQ. YD.
 BITUMINOUS CONCRETE BINDER COURSE, 1-1/2" THICK -- 0.0075 TONS PER SQ. YD.
 LEVELING BINDER -- 0.0425 TONS PER SQ. YD.
 PRIVATE ENTRANCE -- 1.7 TONS SURFACE COURSE
 MAILBOX TURNOUTS -- 9 TONS AGGREGATE SURFACE COURSE

ON ALL SUPERELEVATED CURVES THE PROPOSED BITUMINOUS BASE COURSE WIDENING SHALL BE CONSTRUCTED WITH A SLOPE CONFORMING TO THE RATE OF SUPERELEVATION OF THE EXISTING PAVEMENT.

SOD SHALL BE PLACED ON THE BACKSLOPE OF THE DITCH FROM LEFT STATION 122+50₂ TO LEFT STATION 125+30₂ (THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER). ESTIMATED QUANTITY - 173 SQ. YDS.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

THE PORTION OF THE GUTTER OUTLET TO BE REMOVED AT RT. STATION 109+15 TO RT. STATION 109+39 SHALL BE AS INDICATED ON SHEET 6.

CLASS 1 SEEDING SHALL BE USED ON THIS SECTION.

THE 6" C.I.M.J. WATER MAIN SHALL BE PLACED A MINIMUM DEPTH OF 4 FEET UNLESS THE ELEVATION IS SHOWN ON THE PLANS.

AT ALL LOCATIONS WHERE A HIGH TYPE PAVEMENT JOINS AN EXISTING HIGH TYPE PAVEMENT A SAVED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCIDENTAL TO THE TYPE OF PAVEMENT BEING CONSTRUCTED.

Index of Sheets

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTIONS
3	GENERAL NOTES; INDEX OF SHEETS
4	SCHEDULE OF QUANTITIES; SUMMARY OF QUANTITIES
5	PLAN LAYOUT AND PROFILE SHEET
6-10	PLAN SHEETS
11	UTILITY ADJUSTMENTS
12	TYPICAL LAYOUT OF MAILBOX TURNOUTS; TYPICAL LAYOUT OF SIDE APPROACHES; SPECIAL HEADWALL DETAILS; CONCRETE MEDIAN TYPE C-1 (DOWELLED)
13	BUTT JOINT DETAILS; DETAILS OF CONCRETE COLLAR; STAKING 3 CENTER CURVES; SEEDING AND MULCHING DETAILS
14	THRUST BLOCKING
15-21	CROSS SECTIONS
22	STANDARD 2130-3; STANDARD 1686-3
23	STANDARD 2122-4
24	STANDARD 2298-2
25	STANDARD 2290-1
26	STANDARD 2304-1
27	STANDARD 2306-2
28	STANDARD 2311-3
29	STANDARD 2300; STANDARD 1976
30	STANDARD 2051

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	3
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

FOR INFORMATION ONLY

PREPARED BY: Harry D. Day
 District Design Engineer

EXAMINED BY: Arnold Sengul
 District Construction Engineer

EXAMINED BY: D. D. Williams
 District Maintenance Engineer

EXAMINED BY: A. E. Zolotas
 District Traffic Engineer

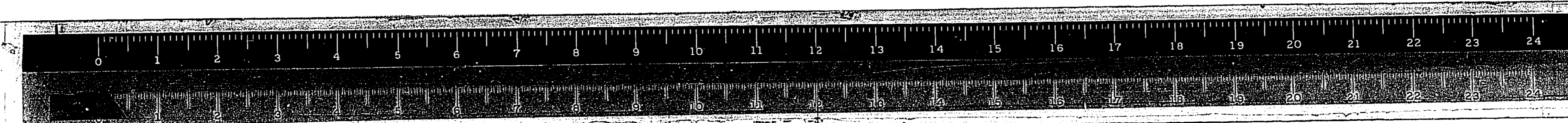
EXAMINED BY: R. M. Conrath
 District Materials Engineer

EXAMINED BY: H. W. Maslow
 District Right of Way Engineer

APPROVED: June 28 1971
 Date

J. J. Newton
 District Engineer

F.A. Rte 148 Sec. 1301 Williamson County



Schedule of Quantities

<u>GUTTER REMOVAL</u>	
LOCATION	LIN. FT.
RT. 109+15 TO 109+39	24
RT. 113+25 TO 114+70	153
RT. 116+79 TO 117+03	24
TOTAL	201

<u>FILL EXISTING INLETS</u>	
LOCATION	EACH
LT. 113+91	1
LT. 114+60	1
RT. 117+00	1
TOTAL	3

<u>COMBINATION CURB & GUTTER REMOVAL</u>	
LOCATION	LIN. FT.
S.W. QUADRANT (3 CENTER CURVE)	180
N.W. QUADRANT (3 CENTER CURVE)	162
CHANNELIZING ISLAND	80
TRAFFIC CONTROL ISLAND	24
TOTAL	446

<u>CLASS X CONCRETE (HOWL)</u>			
LOCATION	STD.	QTY	UNIT
LT. 107+54.5	STD. 1976	1.3	
LT. 107+54.5	COLLAR	0.4	
LT. 113+40	STD. 2051	1.8	
LT. 113+77	COLLAR	0.3	
LT. 114+66	COLLAR	0.3	
LT. 114+86	STD. 2051	1.7	
LT. 117+40	SPECIAL HOWL	11.2	
LT. 117+40	COLLARS	2.3	
TOTAL		19.3	

<u>CONCRETE REMOVAL</u>	
LOCATION	CU. YDS.
LT. STA. 107+54	1.3
LT. STA. 113+77	2.4
LT. STA. 114+66	1.7
LT. STA. 117+40	1.2
TOTAL	6.6

<u>REINFORCEMENT BARS</u>	
LOCATION	POUNDS
LT. 107+54	40
LT. 113+40	65
LT. 114+86	60
LT. 117+40	505
TOTAL	670

<u>CONCRETE MEDIAN SURFACE 4"</u>	
LOCATION	SQ. FT.
CHANNELIZING ISLAND	834
TRAFFIC CONTROL ISLAND	67
TOTAL	901

<u>COMB. CURB & GUTTER TYPE M6.06</u>	
LOCATION	LIN. FT.
CHANNELIZATION ISLAND	60
TRAFFIC CONTROL ISLAND	37
TOTAL	97

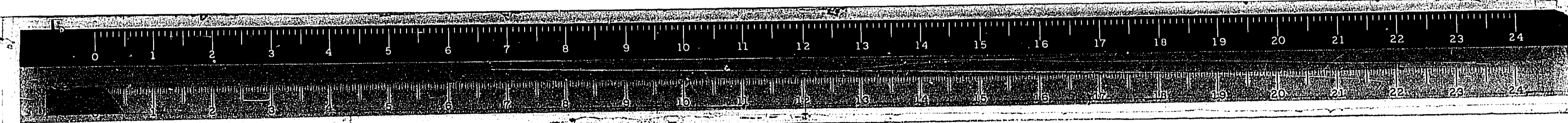
Summary of Quantities

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 148	1301	Williamson	80	4
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

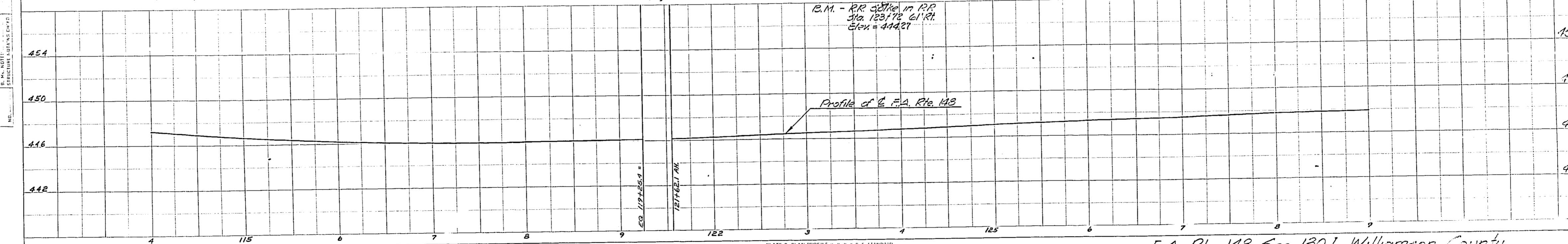
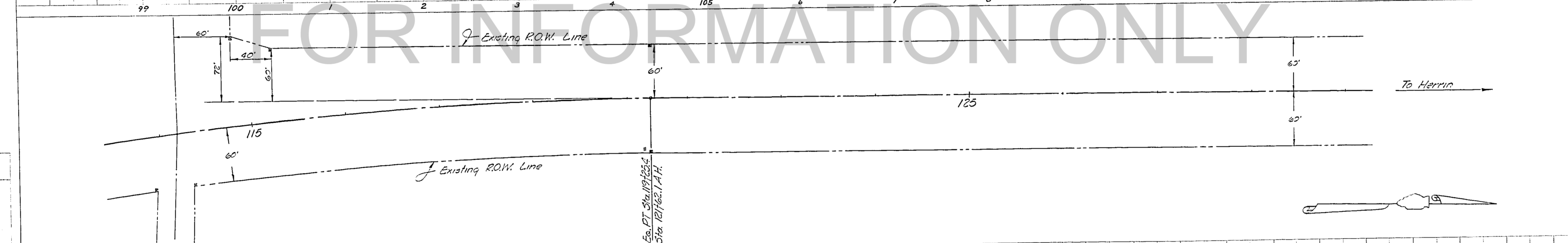
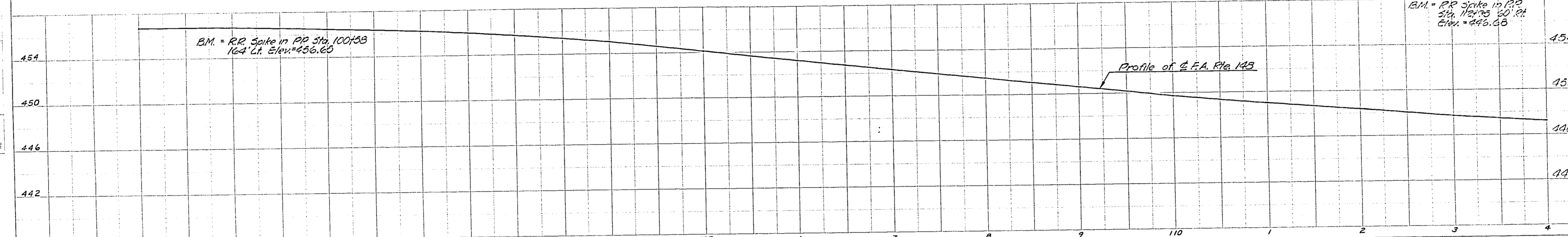
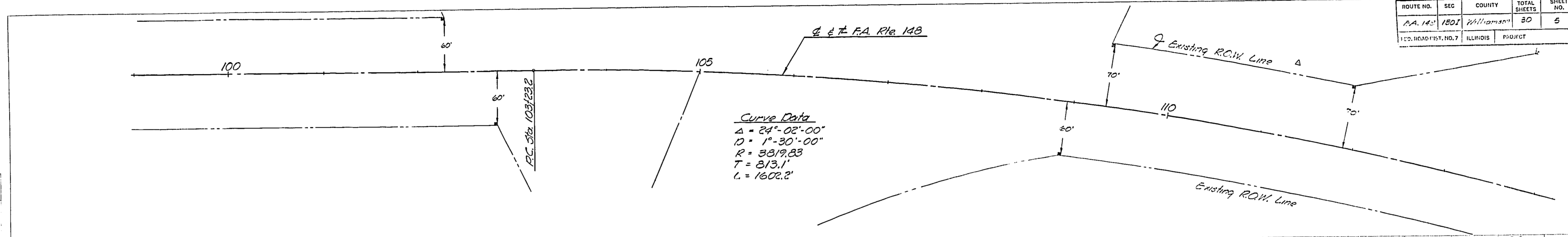
CODE NO.	ITEM	UNIT	QUANTITY	STA. 103+24.28 TO 128+52.61	STA. 128+52.61 TO 143+00.00	Y660	CE58
202001	EARTH EXCAVATION	CU. YD.	3,485	3,485			
202007	GRADING EXISTING SHOULDERS	UNIT	15	15			
207005	WATER APPLIED	UNIT	1	1			
301001	AGGREGATE BASE COURSE, TYPE A	TON	35	35			
306001	BITUMINOUS CONCRETE BASE COURSE WIDENING, 9 INCHES	SQ. YD.	2,437	2,437			
402001	AGGREGATE SURFACE COURSE, TYPE A	TON	127	127			
406001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	195	195			
406003	AGGREGATE (PRIME COAT)	TON	4	4			
406004	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5			
406005	LEVELING BINDER (MACHINE METHOD)	TON	452	452			
406007	BITUMINOUS CONCRETE BINDER COURSE	TON	931	931			
406008	BITUMINOUS CONCRETE SURFACE COURSE, CLASS 1	TON	916	916			
501022	CONCRETE REMOVAL	CU. YD.	6.6	6.6			
503002	CLASS X CONCRETE HEADWALLS	CU. YD.	19.3	19.3			
408014	PROTECTIVE COAT	SQ. YD.	160	160			
511025	PIPE CULVERTS, TYPE 1 15"	LIN. FT.	128	128			
511028	PIPE CULVERTS, TYPE 1 24"	LIN. FT.	76	76			
511130	PIPE CULVERTS, TYPE 2 RCCP 30"	LIN. FT.	12	12			
511135	PIPE CULVERTS, TYPE 2 RCCP 60"	LIN. FT.	42	42			
512001	REINFORCEMENT BARS	POUND	670	670			
609015	CAST IRON WATER MAIN MECHANICAL JOINT 6"	LIN. FT.	234		234		
610002	WATER SERVICE LINE 3/4"	LIN. FT.	30		30		
612291	VALVE VAULTS TO BE ADJUSTED	EACH	1		1		
615003	FILLING EXISTING INLETS	EACH	3		3		
616065	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	LIN. FT.	97	97			
616138	CONCRETE MEDIAN, TYPE C-4 (DOVELLED)	SQ. FT.	365	365			
616202	CONCRETE MEDIAN SURFACE, 4 INCH	SQ. FT.	901	901			
617004	GUTTER REMOVAL	LIN. FT.	201	201			
617005	COMBINATION CURB AND GUTTER REMOVAL	LIN. FT.	446	446			
617007	BITUMINOUS CONCRETE REMOVAL	SQ. YD.	105	105			
617025	PAVED DITCH REMOVAL	LIN. FT.	16	16			
642001	SEEDING CLASS 1	ACRE	2.8	2.8			
642004	NITROGEN FERTILIZER NUTRIENT	POUND	224	224			
642005	PHOSPHORUS FERTILIZER NUTRIENT	POUND	896	896			
642006	POTASSIUM FERTILIZER NUTRIENT	POUND	448	448			
642007	AGRICULTURAL GROUND LIMESTONE	TON	14	14			
643001	MULCH	TON	5.6	5.6			
643005	EMULSIFIED ASPHALT	GAL.	420	420			
644001	SODDING	SQ. YD.	173	173			
646001	ENGINEER'S FIELD OFFICE, TYPE A	EACH	1		1		
210588	REMOVAL OF EXISTING EXCESS BITUMEN	UNIT	23	23			
XZ1061	PAVEMENT MARKING TAPE INTERMITTENT-WHITE	STA.	69	69			
XZ1086	TRAFFIC CONTROL AND PROTECTION, STANDARD 2311	L. SUM	1	1			

FOR INFORMATION ONLY

F.A. Rte. 148 Sec. 1301 Williamson County



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 143	1301	Williamson	30	5
ILLINOIS				

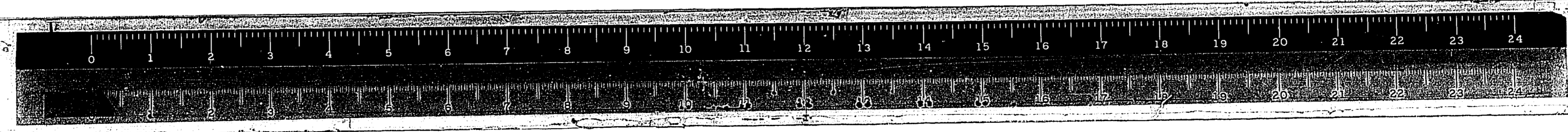


PLAN
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____

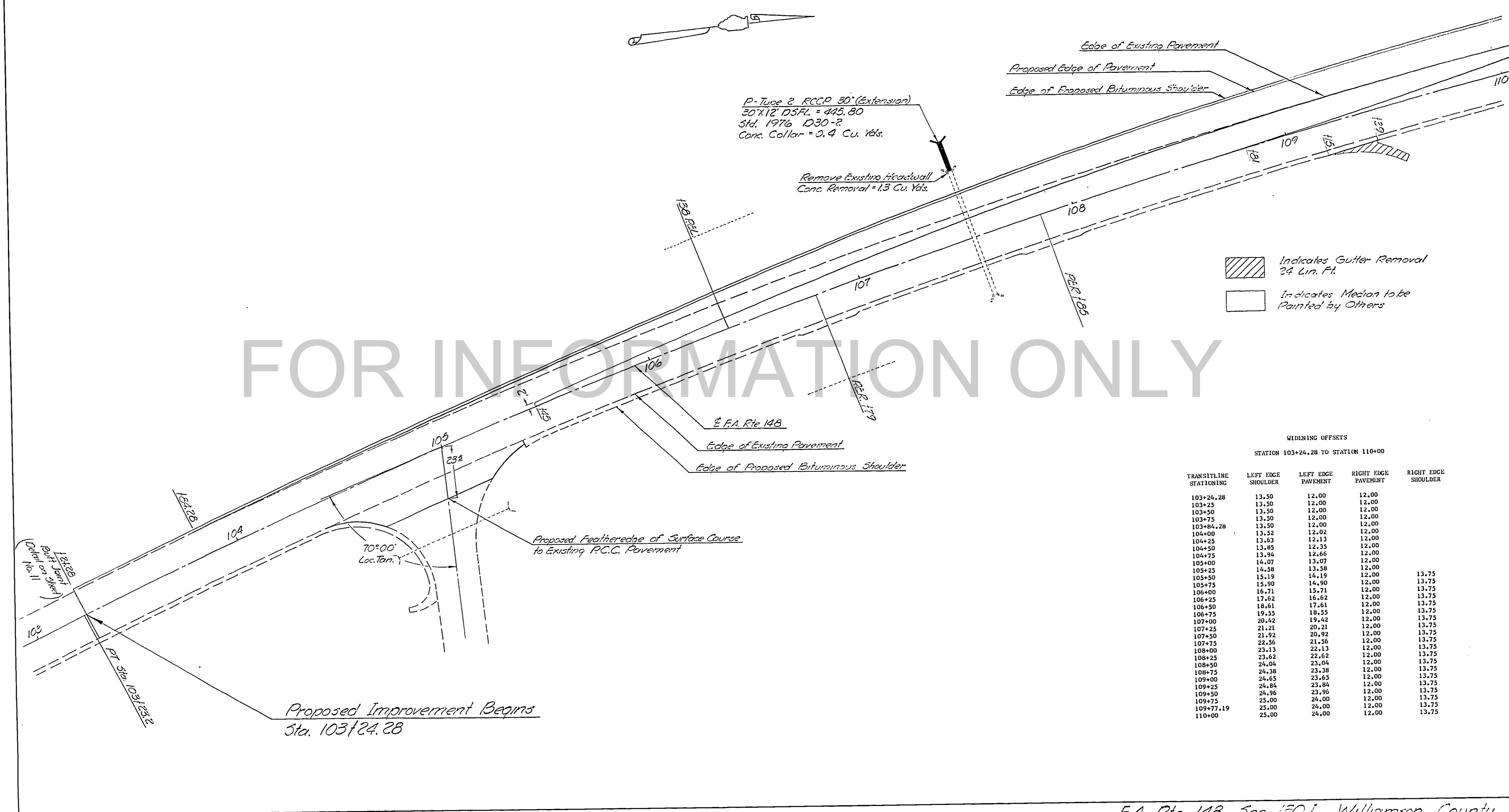
PROFILE
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____

PLATE 2 PLAN-PROFILE OF F.A. Rte 143
 THE 1/4" = 100' SCALE AND 1" = 10' SCALE
 EUGENE BRZDZEK CO.



F.A. Rte. 143 Sec. 1301 Williamson County



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1501	Williamson	30	6
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			



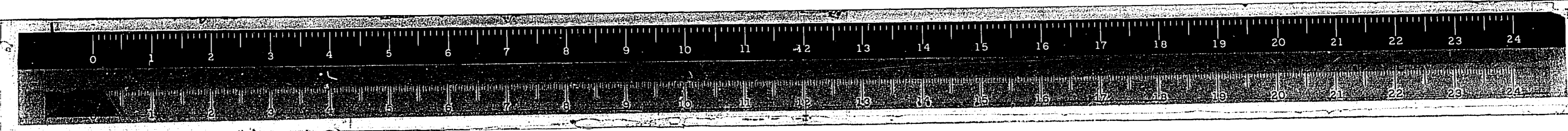
FOR INFORMATION ONLY

-  Indicates Gutter Removal 24 Lin. Ft.
-  Indicates Median to be Painted by Others

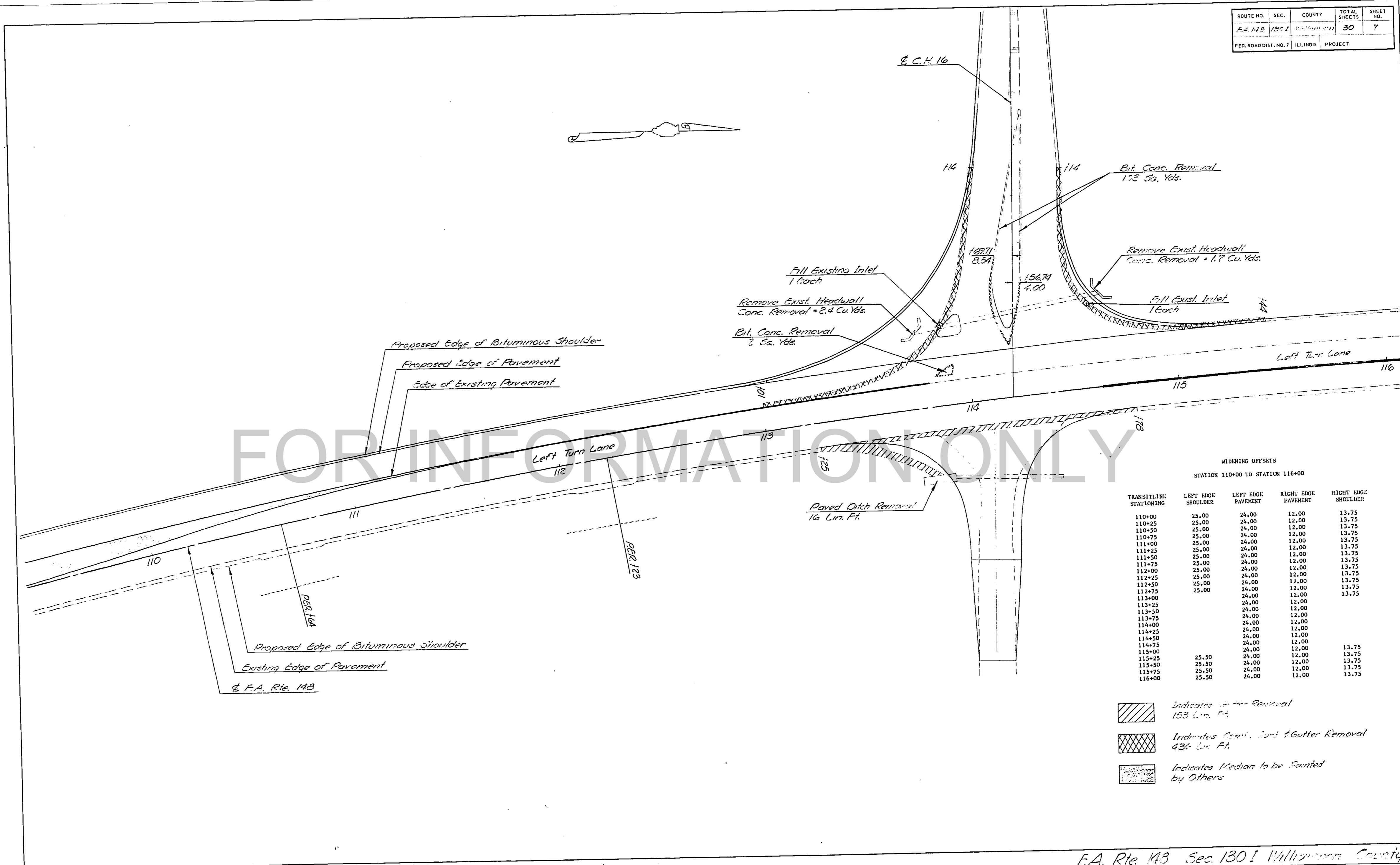
WIDENING OFFSETS
STATION 103+24.28 TO STATION 110+00

TRANSITLINE STATIONING	LEFT EDGE SHOULDER	LEFT EDGE PAVEMENT	RIGHT EDGE PAVEMENT	RIGHT EDGE SHOULDER
103+24.28	13.50	12.00	12.00	12.00
103+25	13.50	12.00	12.00	12.00
103+50	13.50	12.00	12.00	12.00
103+75	13.50	12.00	12.00	12.00
103+84.28	13.50	12.00	12.00	12.00
104+00	13.52	12.02	12.00	12.00
104+25	13.63	12.13	12.00	12.00
104+50	13.85	12.35	12.00	12.00
104+75	13.94	12.44	12.00	12.00
105+00	14.07	13.07	12.00	12.00
105+25	14.58	13.58	12.00	13.75
105+50	15.19	14.19	12.00	13.75
105+75	15.90	14.90	12.00	13.75
106+00	16.71	15.71	12.00	13.75
106+25	17.62	16.62	12.00	13.75
106+50	18.61	17.61	12.00	13.75
106+75	19.55	18.55	12.00	13.75
107+00	20.42	19.42	12.00	13.75
107+25	21.21	20.21	12.00	13.75
107+50	21.92	20.92	12.00	13.75
107+75	22.56	21.56	12.00	13.75
108+00	23.13	22.13	12.00	13.75
108+25	23.62	22.62	12.00	13.75
108+50	24.04	23.04	12.00	13.75
108+75	24.38	23.38	12.00	13.75
109+00	24.65	23.65	12.00	13.75
109+25	24.84	23.84	12.00	13.75
109+50	24.96	23.96	12.00	13.75
109+75	25.00	24.00	12.00	13.75
109+77.19	25.00	24.00	12.00	13.75
110+00	25.00	24.00	12.00	13.75

F.A. Rte. 148 Sec. 1501 Williamson County



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 143	1301	Williamson	30	7
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

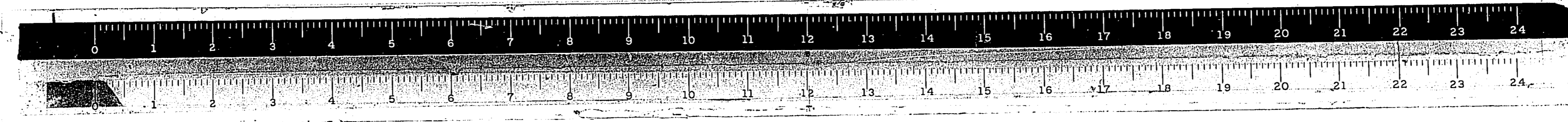


WIDENING OFFSETS
STATION 110+00 TO STATION 116+00

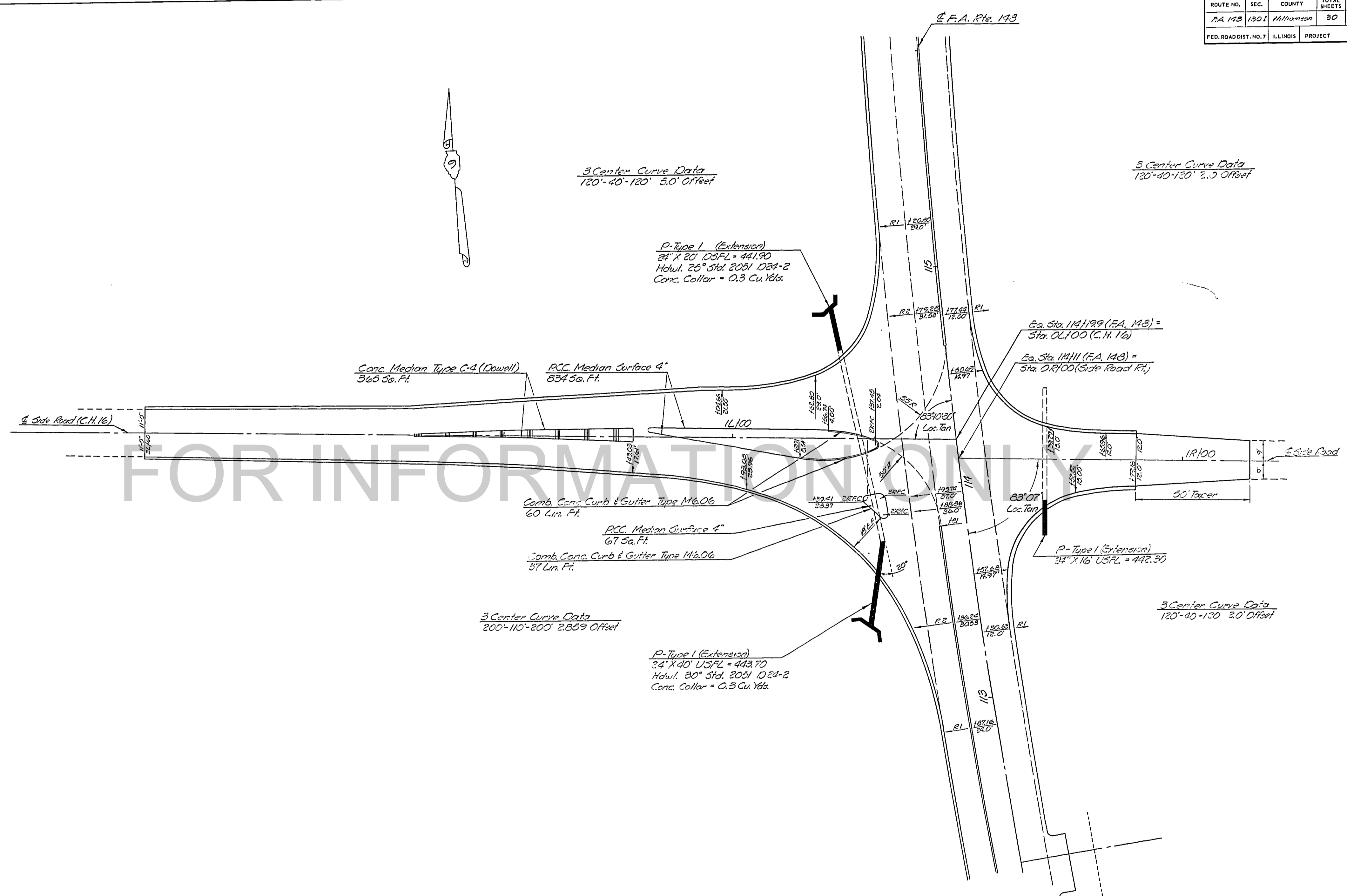
TRANSVERSE STATIONING	LEFT EDGE SHOULDER	LEFT EDGE PAVEMENT	RIGHT EDGE PAVEMENT	RIGHT EDGE SHOULDER
110+00	25.00	24.00	12.00	13.75
110+25	25.00	24.00	12.00	13.75
110+50	25.00	24.00	12.00	13.75
110+75	25.00	24.00	12.00	13.75
111+00	25.00	24.00	12.00	13.75
111+25	25.00	24.00	12.00	13.75
111+50	25.00	24.00	12.00	13.75
111+75	25.00	24.00	12.00	13.75
112+00	25.00	24.00	12.00	13.75
112+25	25.00	24.00	12.00	13.75
112+50	25.00	24.00	12.00	13.75
112+75	25.00	24.00	12.00	13.75
113+00		24.00	12.00	13.75
113+25		24.00	12.00	
113+50		24.00	12.00	
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114+00		24.00	12.00	
114+25		24.00	12.00	
114+50		24.00	12.00	
114+75		24.00	12.00	
115+00		24.00	12.00	
115+25	25.50	24.00	12.00	13.75
115+50	25.50	24.00	12.00	13.75
115+75	25.50	24.00	12.00	13.75
116+00	25.50	24.00	12.00	13.75

- Indicates Bit. Conc. Removal
153 Sq. Yds.
- Indicates Conc. Turn & Gutter Removal
436 Lin. Ft.
- Indicates Median to be Painted
by Others

F.A. Rte. 143 Sec. 1301 Williamson County

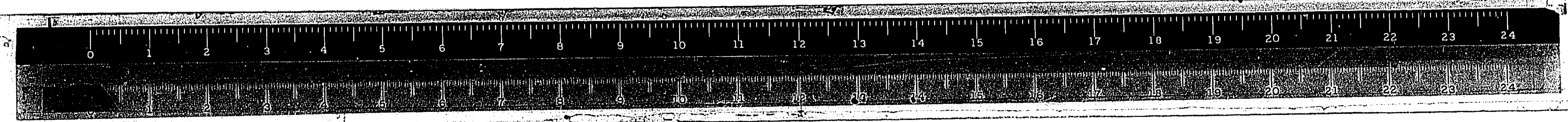


ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 148	130 I	Williamson	30	8
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



FOR INFORMATION ONLY

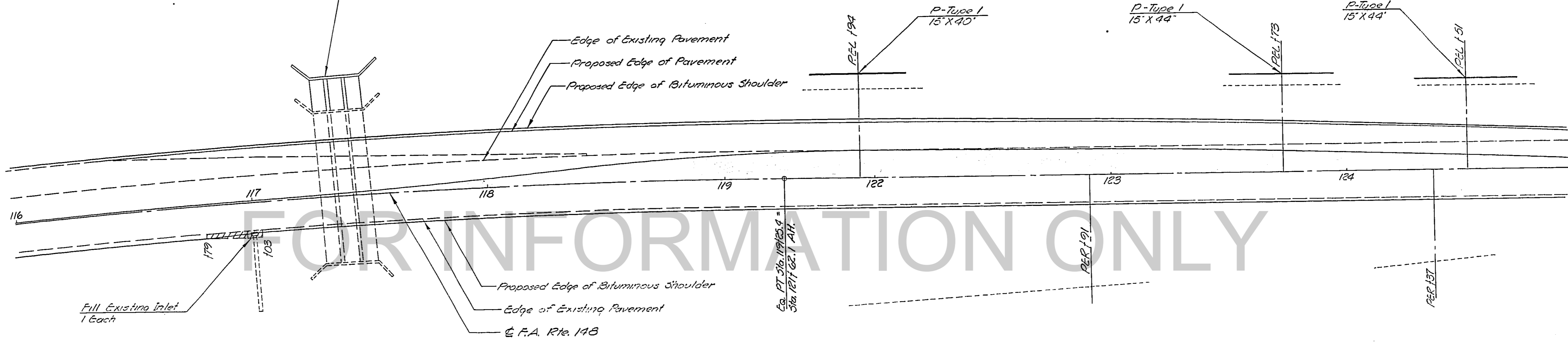
F.A. Rte. 148 Sec. 130 I Williamson County



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	130 I	Williamson	30	9
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



P-Type 2 R.C.C.P. 60" (Extension)
 Triple Pipe Culvert
 60" X 42" O.S.F.L.
 Pipe Elev. = High = 436.10, Low = 434.10
 Conc. Collars = 2.3 Cu. Yds.
 Special Headwall
 See Sheet No. 11



Fill Existing Inlet
 1 Each

Proposed Edge of Bituminous Shoulder
 Edge of Existing Pavement
 E.F.A. Rte. 148

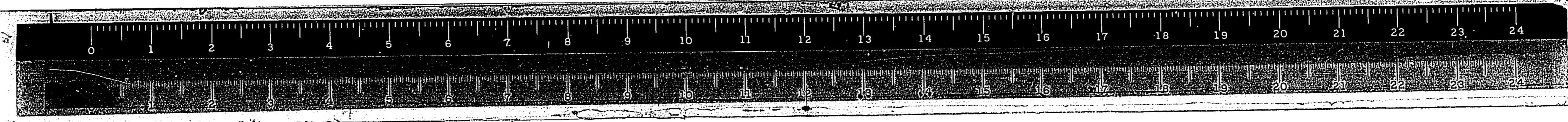
Sta. PT 316.117625.4
 Sta. 121.62.1 A.H.

- Indicates Gutter Removal
2' Lim. Ft.
- Indicates Median to be
Painted by Others

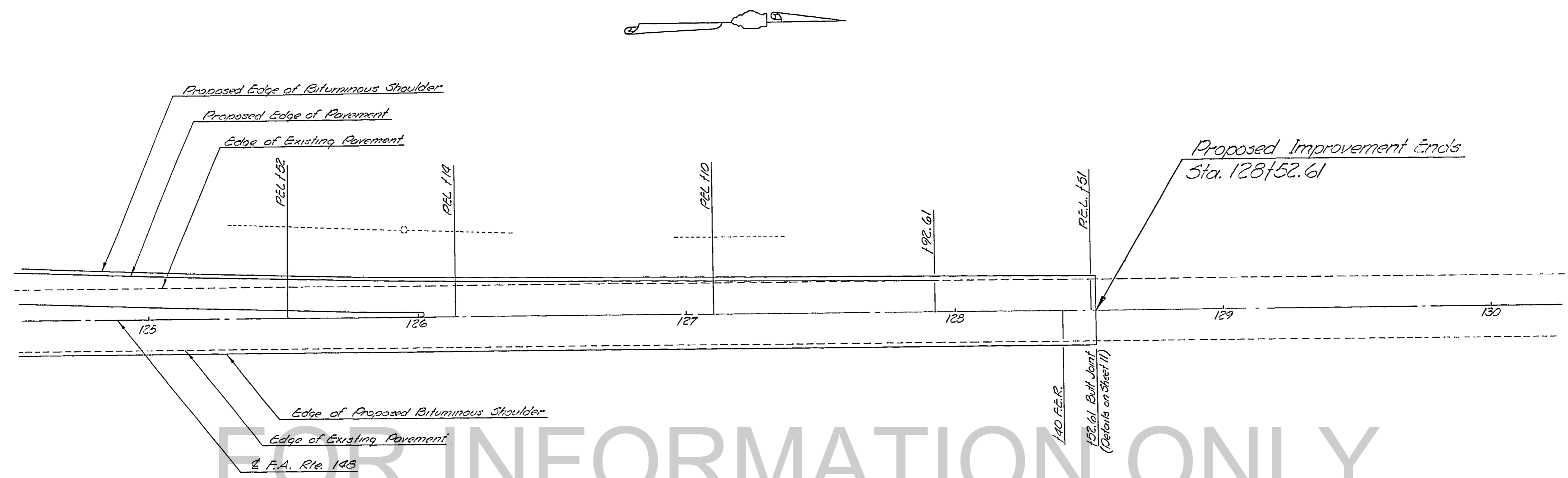
WIDENING OFFSETS
 STATION 116+00 TO STATION 124+75

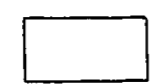
TRANSITLINE STATIONING	LEFT EDGE SHOULDER	LEFT EDGE PAVEMENT	RIGHT EDGE PAVEMENT	RIGHT EDGE SHOULDER
116+00	25.50	24.00	12.00	13.75
116+25	25.50	24.00	12.00	13.75
116+50	25.00	24.00	12.00	13.75
116+75	25.00	24.00	12.00	13.75
117+00	25.00	24.00	12.00	13.75
117+25	25.00	24.00	12.00	13.50
117+50	25.00	24.00	12.00	13.50
117+75	25.00	24.00	12.00	13.50
118+00	25.00	24.00	12.00	13.50
118+25	25.00	24.00	12.00	13.50
118+50	25.00	24.00	12.00	13.50
118+75	25.00	24.00	12.00	13.50
119+00	25.00	24.00	12.00	13.50
119+25	25.00	24.00	12.00	13.50
121+75	25.00	24.00	12.00	13.50
121+99.7	25.00	24.00	12.00	13.50
122+00	25.00	24.00	12.00	13.50
122+25	24.94	23.94	12.00	13.50
122+50	24.77	23.77	12.00	13.50
122+75	24.49	23.49	12.00	13.50
123+00	24.10	23.10	12.00	13.50
123+25	23.59	22.59	12.00	13.50
123+50	22.97	21.97	12.00	13.50
123+75	22.24	21.24	12.00	13.50
124+00	21.40	20.40	12.00	13.50
124+25	20.44	19.44	12.00	13.50
124+50	19.46	18.46	12.00	13.50
124+75	18.55	17.55	12.00	13.50

F.A. Rte. 148 Sec. 130 I Williamson County



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	10
FED. ROAD DIST. NO. 7	ILLINOIS		PROJECT	

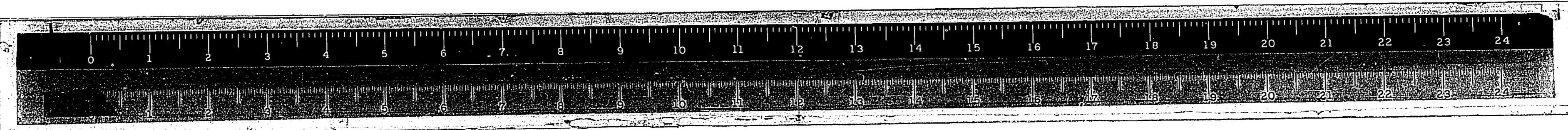


 Indicates Median to be Painted by Others

WIDENING OFFSETS
STATION 124+75 TO STATION 128+52.61

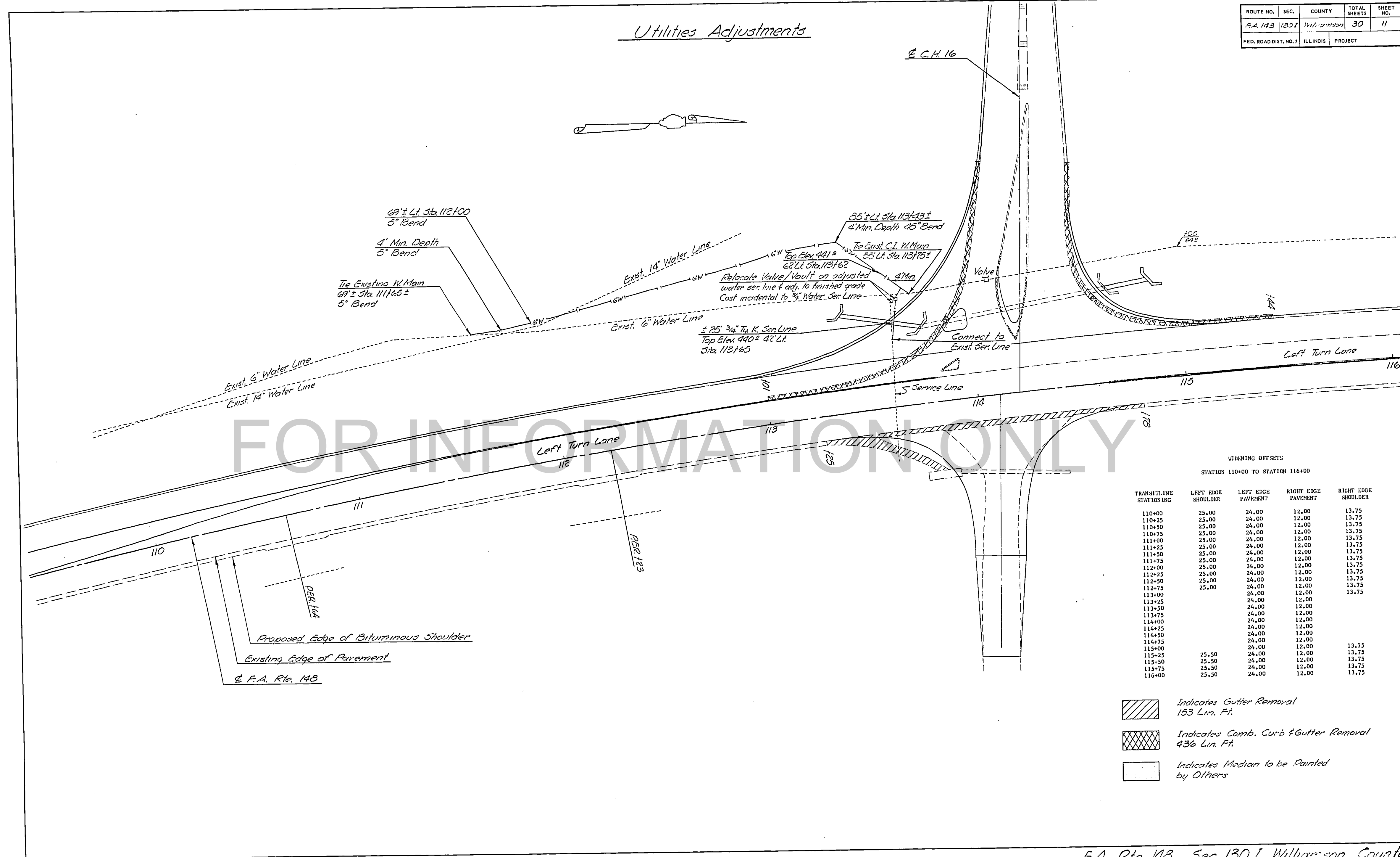
TRANSVERSE STATIONING	LEFT EDGE SHOULDER	LEFT EDGE PAVEMENT	RIGHT EDGE PAVEMENT	RIGHT EDGE SHOULDER
124+75	18.55	17.55	12.00	13.50
125+00	17.71	16.71	12.00	13.50
125+25	16.94	15.94	12.00	13.50
125+50	16.24	15.24	12.00	13.50
125+75	15.61	14.61	12.00	13.50
126+00	15.04	14.04	12.00	13.50
126+25	14.55	13.55	12.00	13.50
126+50	14.12	13.12	12.00	13.50
126+75	14.04	12.76	12.00	13.50
127+00	13.97	12.47	12.00	13.50
127+25	13.75	12.25	12.00	13.50
127+50	13.60	12.10	12.00	13.50
127+75	13.52	12.02	12.00	13.50
127+92.61	13.50	12.00	12.00	13.50
128+00	13.50	12.00	12.00	13.50
128+25	13.50	12.00	12.00	13.50
128+50	13.50	12.00	12.00	13.50
128+52.61	13.50	12.00	12.00	13.50

F.A. Rte. 148 Sec. 1301 Williamson County






Utilities Adjustments

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	11
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

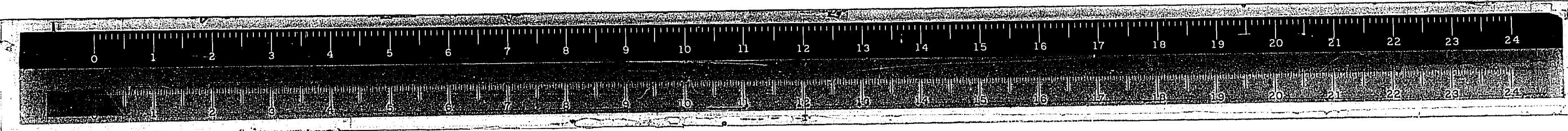


WIDENING OFFSETS
STATION 110+00 TO STATION 116+00

TRANSIT LINE STATIONING	LEFT EDGE SHOULDER	LEFT EDGE PAVEMENT	RIGHT EDGE PAVEMENT	RIGHT EDGE SHOULDER
110+00	25.00	24.00	12.00	13.75
110+25	25.00	24.00	12.00	13.75
110+50	25.00	24.00	12.00	13.75
110+75	25.00	24.00	12.00	13.75
111+00	25.00	24.00	12.00	13.75
111+25	25.00	24.00	12.00	13.75
111+50	25.00	24.00	12.00	13.75
111+75	25.00	24.00	12.00	13.75
112+00	25.00	24.00	12.00	13.75
112+25	25.00	24.00	12.00	13.75
112+50	25.00	24.00	12.00	13.75
112+75	25.00	24.00	12.00	13.75
113+00	24.00	24.00	12.00	13.75
113+25	24.00	24.00	12.00	13.75
113+50	24.00	24.00	12.00	13.75
113+75	24.00	24.00	12.00	13.75
114+00	24.00	24.00	12.00	13.75
114+25	24.00	24.00	12.00	13.75
114+50	24.00	24.00	12.00	13.75
114+75	24.00	24.00	12.00	13.75
115+00	24.00	24.00	12.00	13.75
115+25	25.50	24.00	12.00	13.75
115+50	25.50	24.00	12.00	13.75
115+75	25.50	24.00	12.00	13.75
116+00	25.50	24.00	12.00	13.75

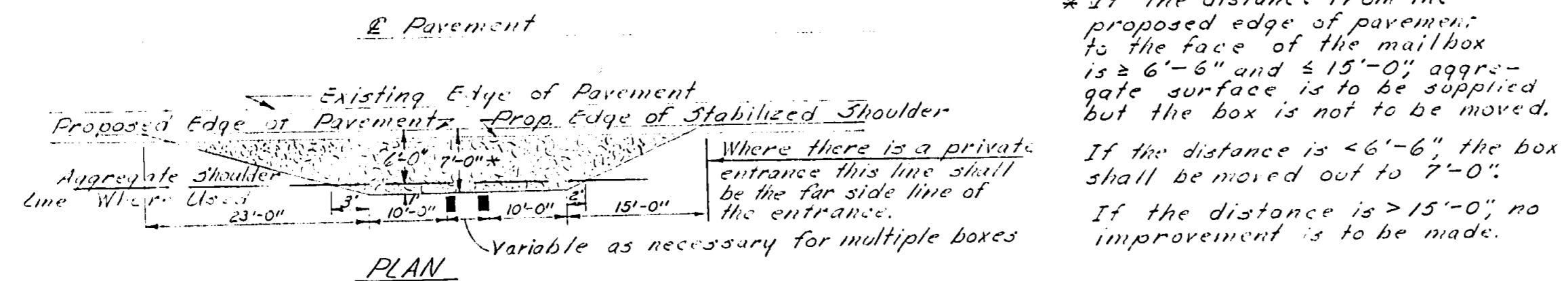
-  Indicates Gutter Removal 153 Lin. Ft.
-  Indicates Comb. Curb & Gutter Removal 436 Lin. Ft.
-  Indicates Median to be Painted by Others

F.A. Rte. 148 Sec. 1301 Williamson County

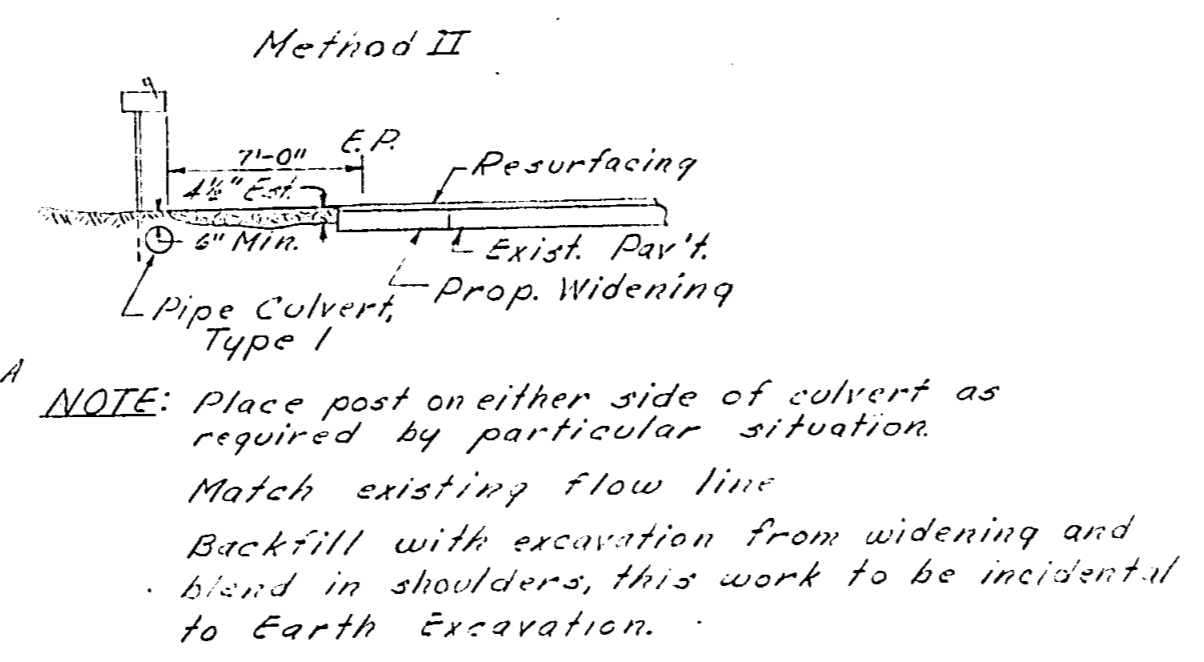
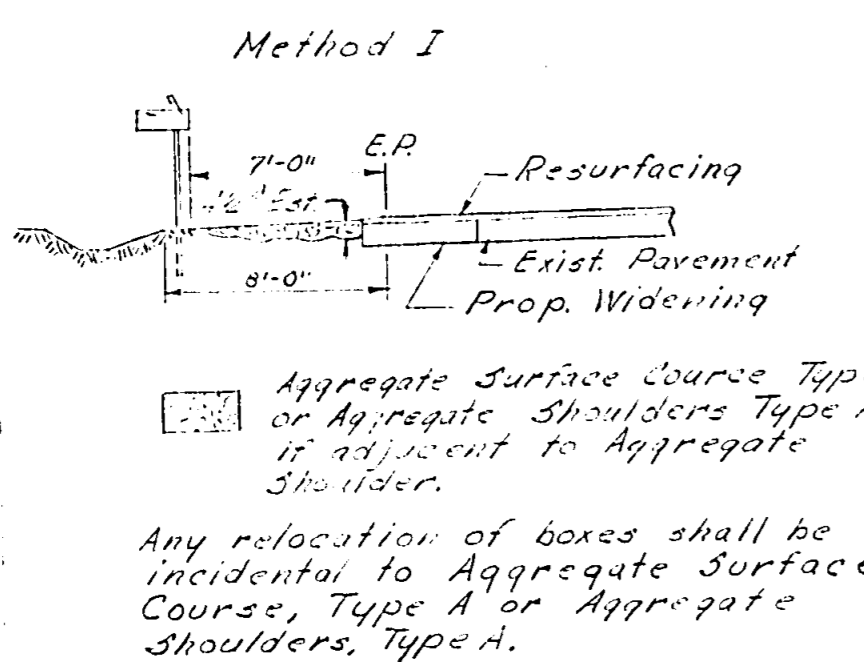


ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
E. 148	1301	Williamson	30	12
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Reconstruction of Mailbox Turn Outs Due to Widening and Resurfacing

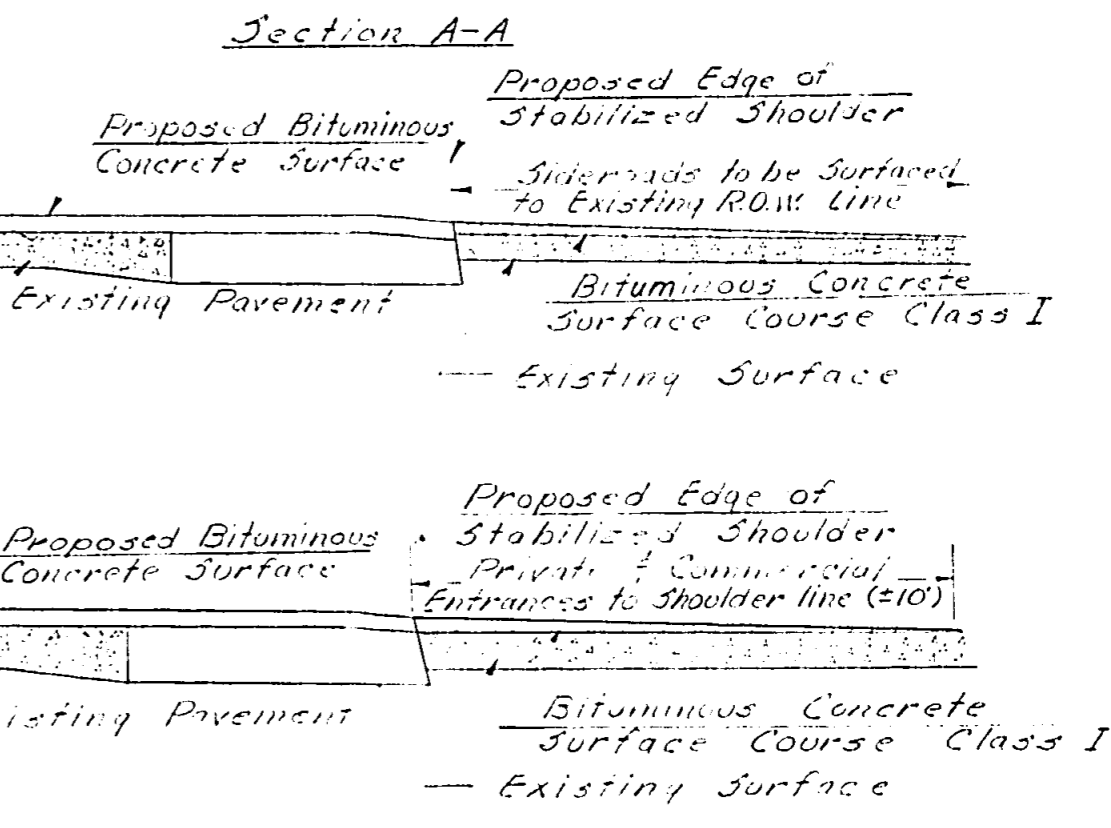
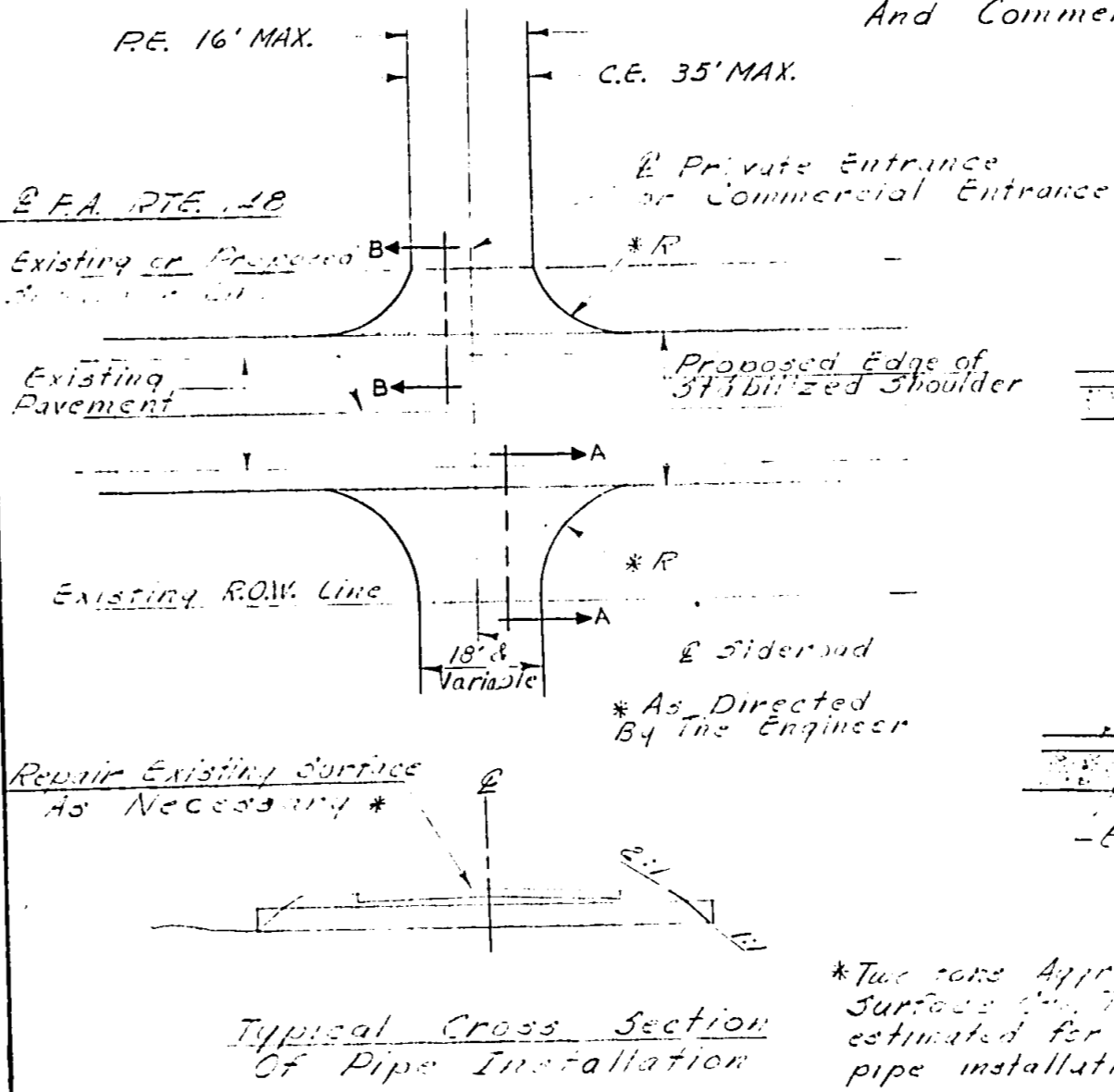


NOTE: Use method I wherever possible, use method II all other locations



* If the distance from the proposed edge of pavement to the face of the mailbox is $\geq 6'-6"$ and $\leq 15'-0"$, aggregate surface is to be supplied but the box is not to be moved.
 If the distance is $< 6'-6"$, the box shall be moved out to 7'-0".
 If the distance is $> 15'-0"$, no improvement is to be made.

Detail of Constructing Class-I Run-Offs at Sideroads, Private Entrances, And Commercial Entrances

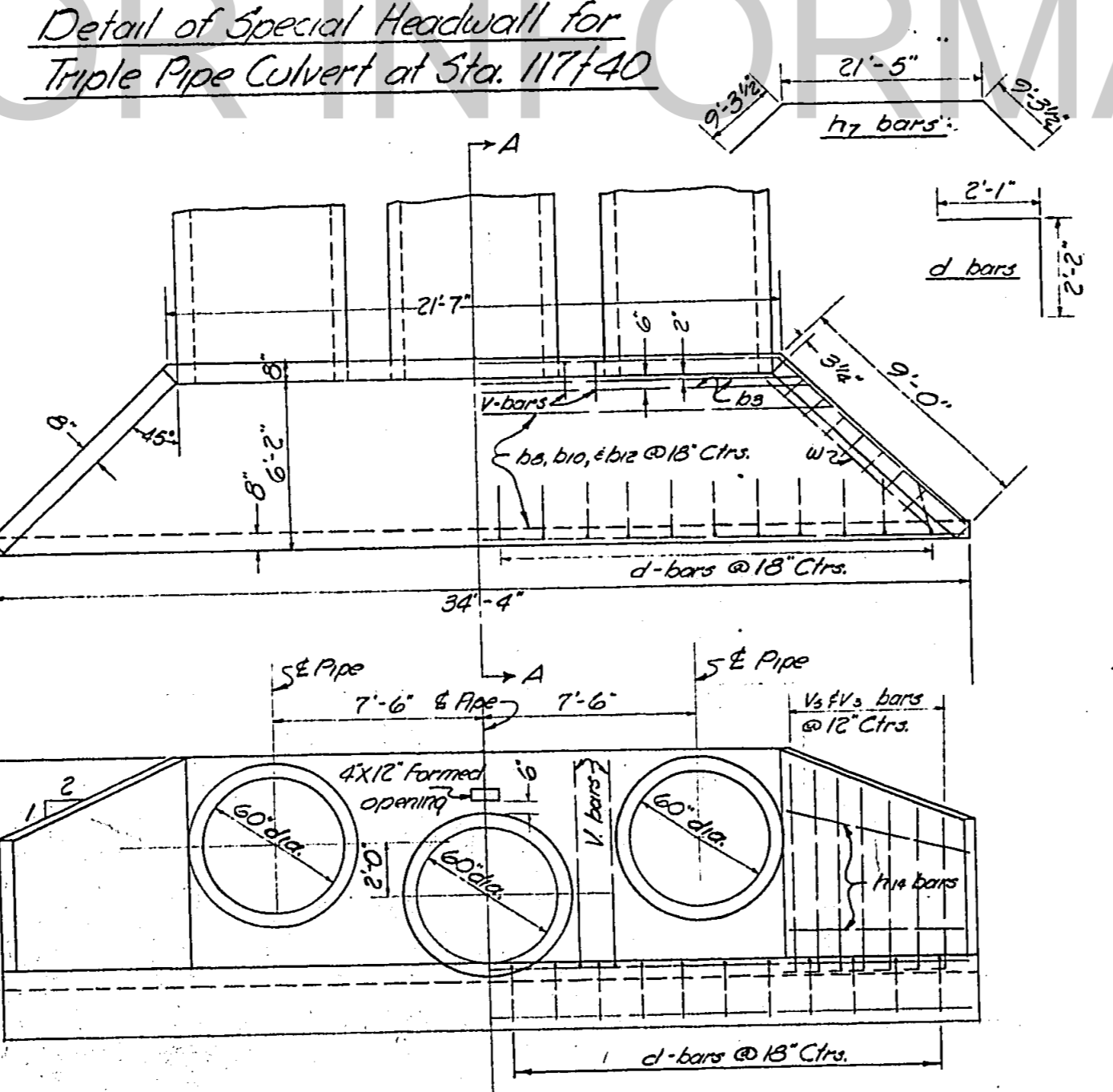
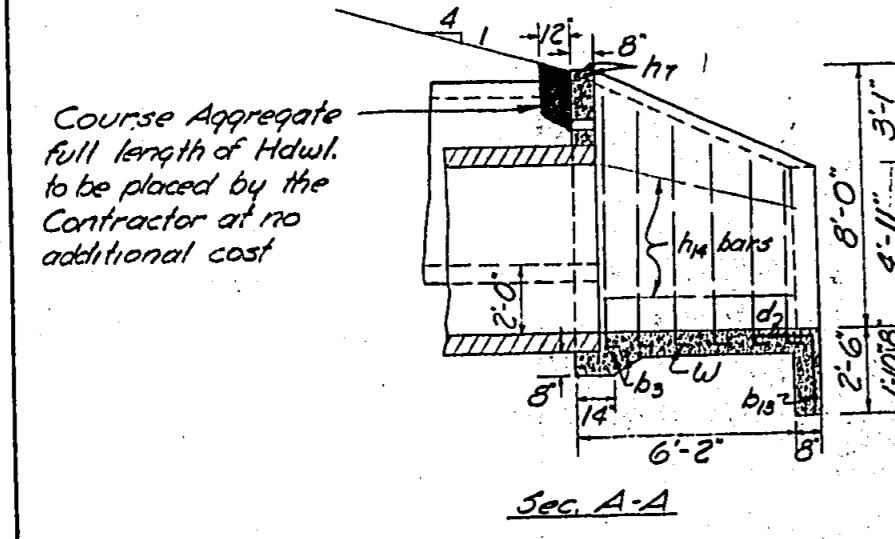


* Use same Aggregate Surface Type as estimated for such pipe installation

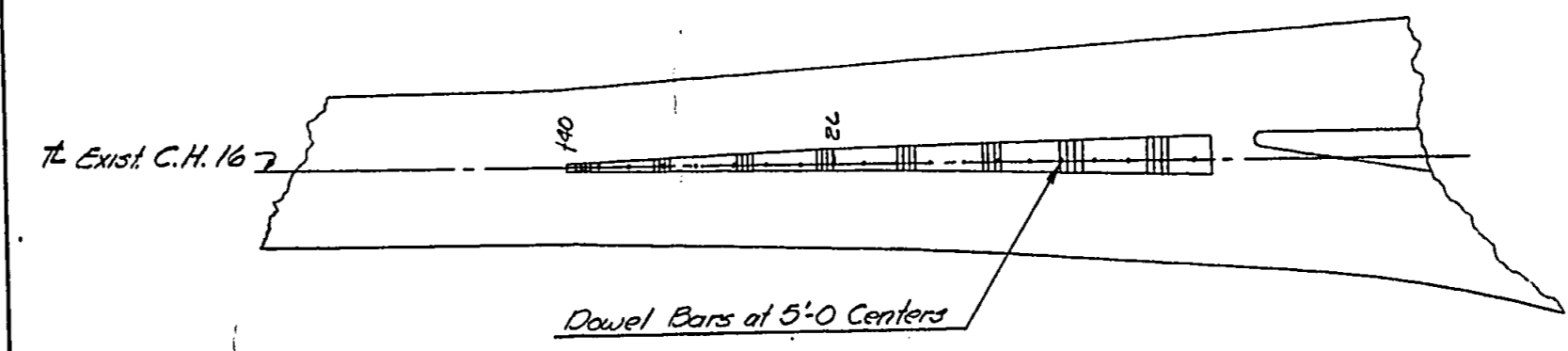
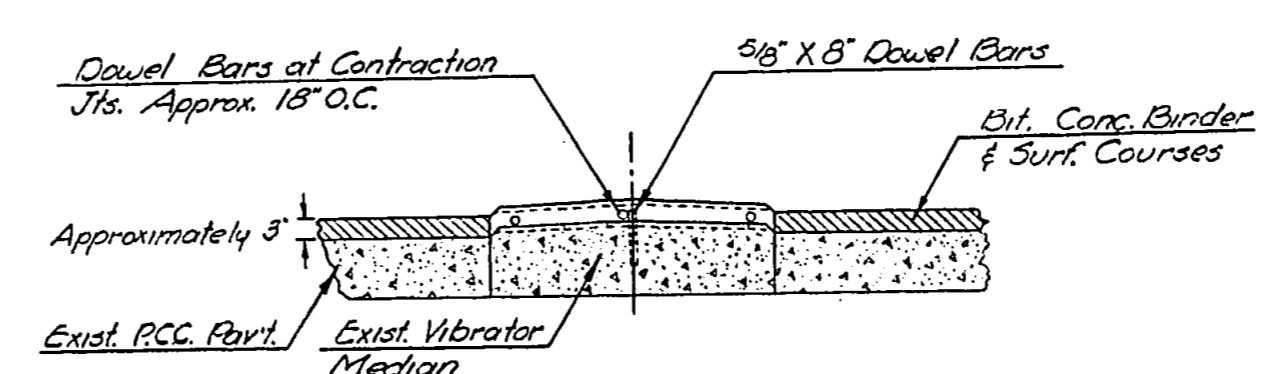
Detail of Special Headwall for Triple Pipe Culvert at Sta. 117+40

Bar	No.	Size	Length
d	23	#4	4'-3"
ba	2	#5	22'-9"
bb	1	#4	25'-3"
b10	1	#4	27'-0"
b12	1	#4	30'-6"
b14	2	#4	34'-0"
h7	2	#5	40'-0"
h14	4	#4	8'-9"
Vs	8	#5	7'-6"
Vs	6	#5	8'-6"
V	6	#5	10'-0"
W	2	#4	4'-0"
Class X Conc. 112 Cu Yds			
Reinf. Bars 505 Lbs			

Notes:
 Class X Concrete shall be used throughout. Exposed edges shall be beveled $\frac{3}{8}"$. All bars shall be round, ASTM A 305-49. The size number is the number of $\frac{1}{8}$ inches in the nominal diameter. Long bars may be spliced using laps of 24 diameters. No extra compensation will be allowed. Built top of headwall parallel to grade line. Headwall will be paid for at contract unit price for class X concrete Hdwl, and per pound for reinforcement bars.

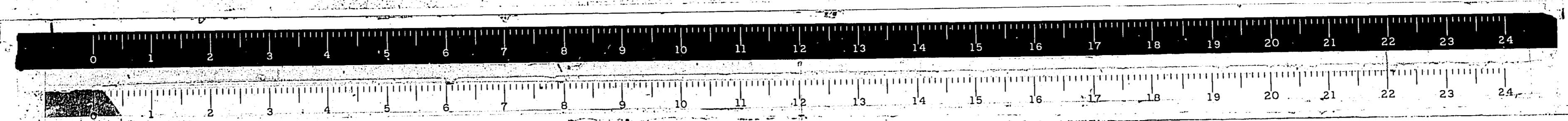


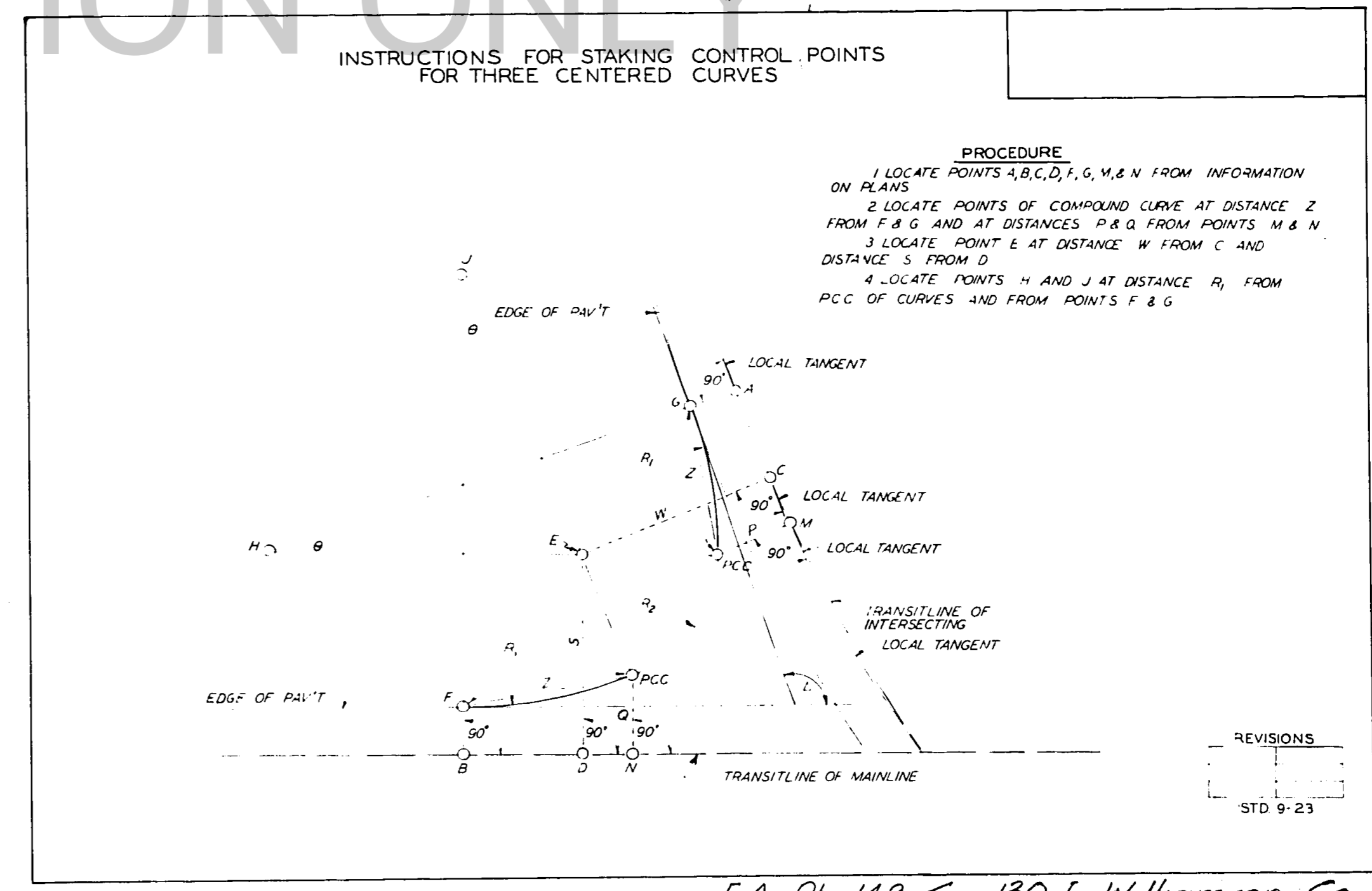
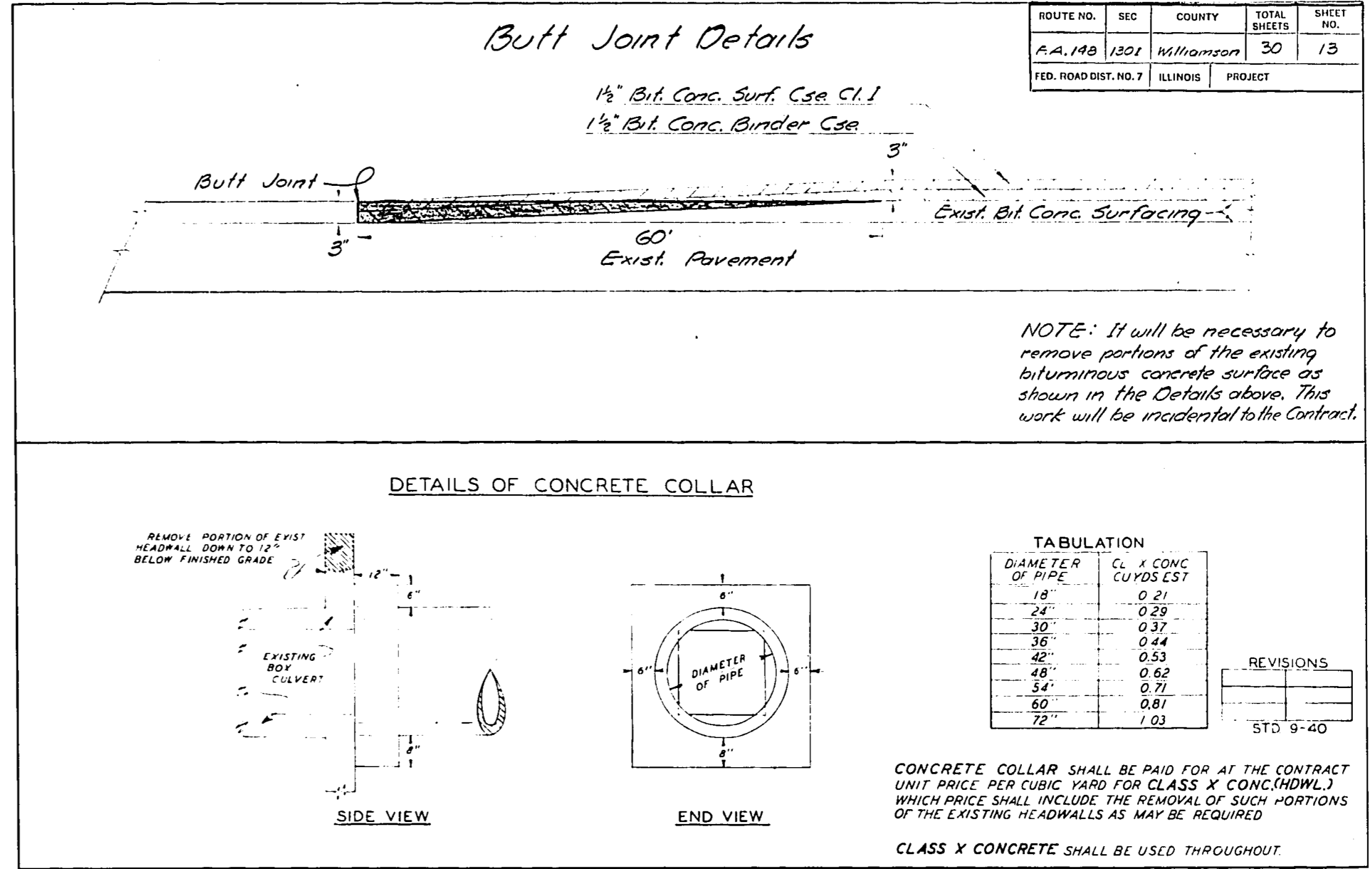
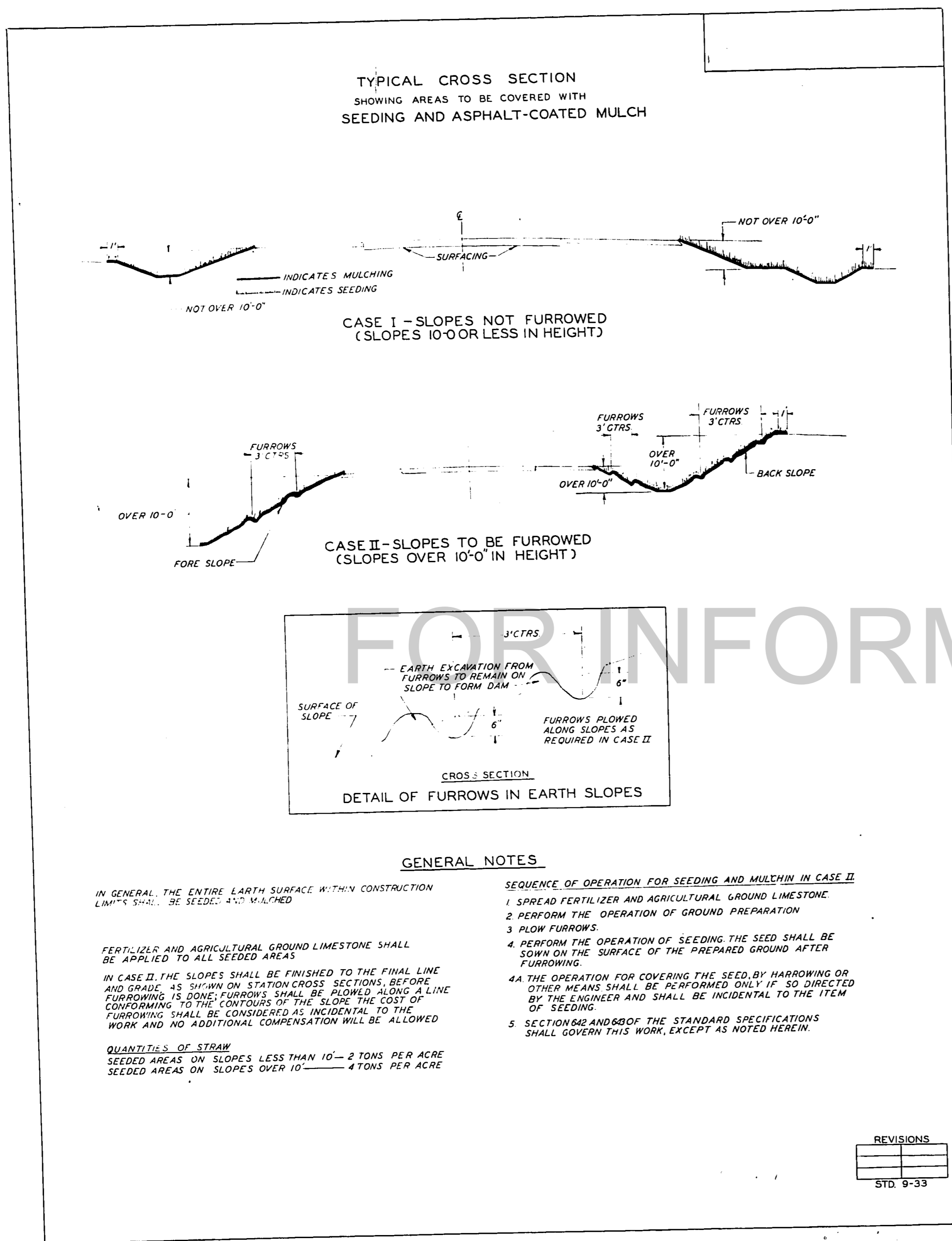
Concrete Median Type C-4 (Dowelled)
 Sta. 14+83.3 to 24+40 C.H. 16



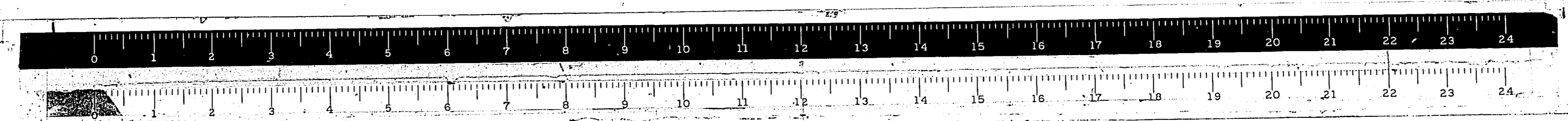
- General Notes**
- The contract unit price per square foot for P.C.C. Median Type C-4 (Dowelled) shall include the cost of finishing and installing Dowel Bars.
 - Concrete Median Type C-4 (Dowelled) is to be constructed in accordance with the applicable portions of S.H. 2122 unless otherwise shown in these plans.

F.A. Rte. 148 Sec. 1301 Williamson County



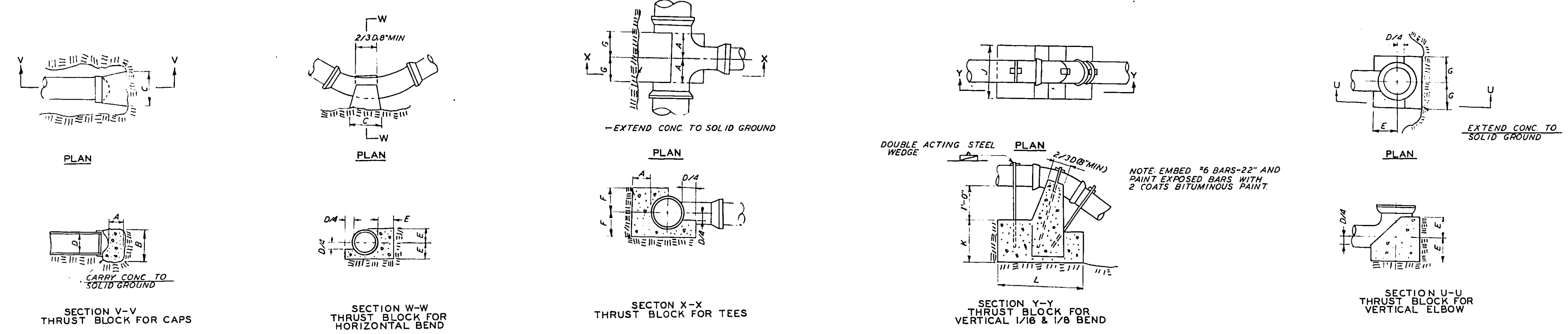


F.A. Rte. 148 Sec. 130.1 Williamson Co.



ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	14
FED. RD. DIST. NO. 7	ILLINOIS	PROJECT		

THRUST BLOCKING



THRUST BLOCK DETAILS NO SCALE

FOR INFORMATION ONLY

D	A	B	C	E	F	G	L	J	K
4'-6"	8"	11"	1'-3"	8"	8"	8"	3'-0"	2'-6"	2'-6"
8"	9"	1'-2"	1'-8"	9"	10"	9"	4'-0"	3'-0"	2'-9"
10"	10"	1'-6"	2'-1"	10"	1'-0"	11-0"	4'-6"	4'-0"	3'-0"
12"	1'-0"	1'-9"	2'-6"	11"	1'-3"	12-0"	4'-9"	4'-6"	3'-6"
16"	1'-2"	2'-4"	3'-4"	1'-3"	1'-8"	1'-4"	6'-6"	5'-2"	4'-0"

MEASUREMENTS

GENERAL NOTES

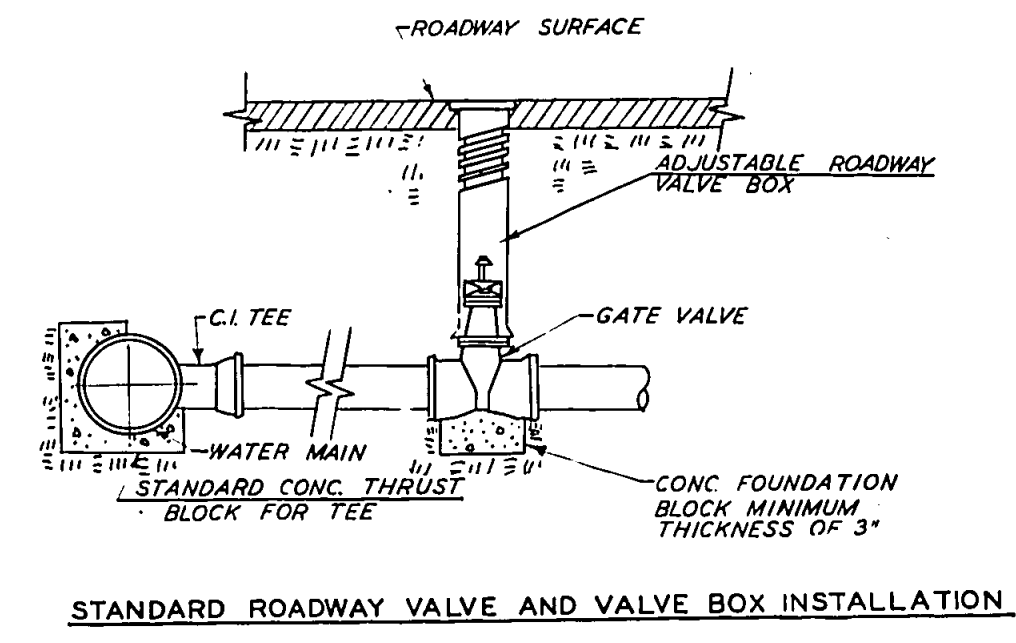
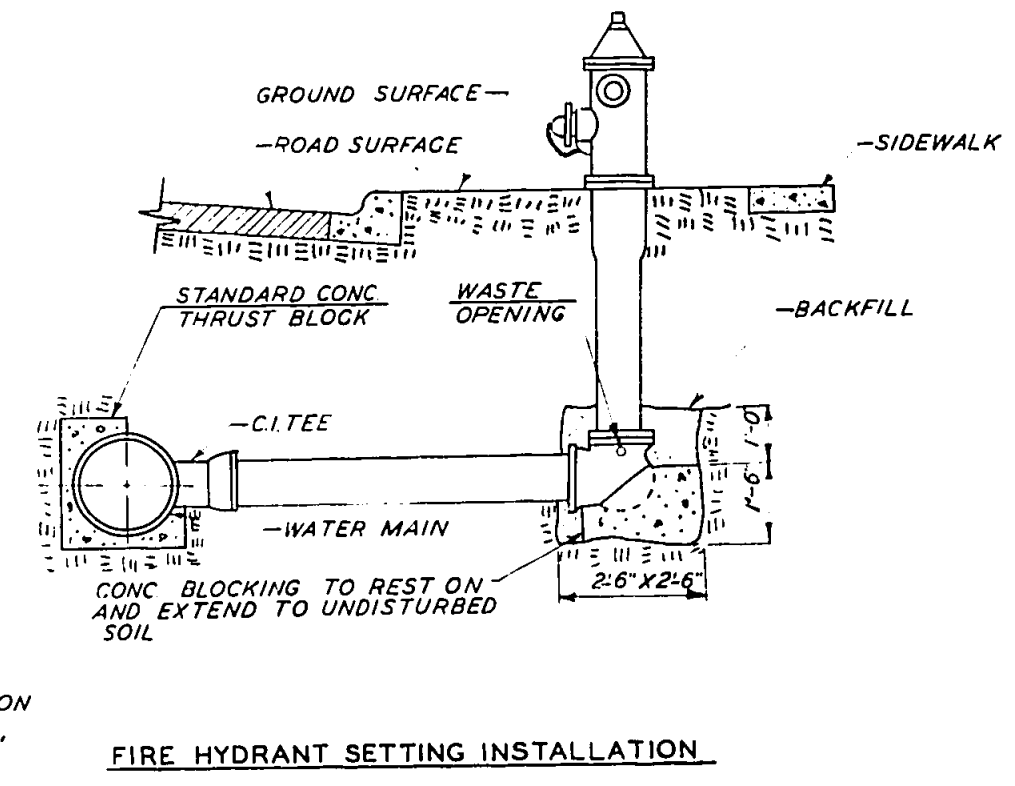
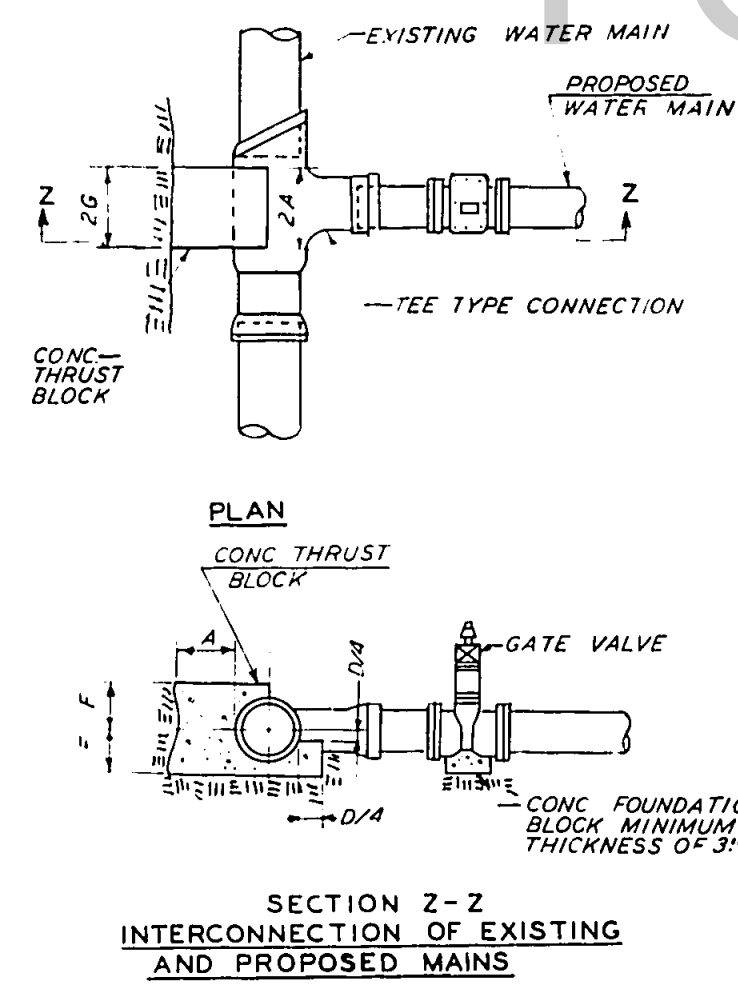
THRUST BLOCKING SHALL CONSIST OF CLASS X CONCRETE POURED AS INDICATED AT ALL POINTS WHERE THE BEND IS GREATER THAN 10 DEGREES AND ALL TEES, WYES, CAPS, VALVES, HYDRANTS, AND REDUCERS.

A MINIMUM OF 3 CUBIC FEET OF CLASS X CONCRETE SHALL BE USED AT EACH LOCATION. THE BLOCKING SHALL BE SO PLACED THAT THE PIPE AND FITTINGS WILL BE ACCESSIBLE FOR REPAIR.

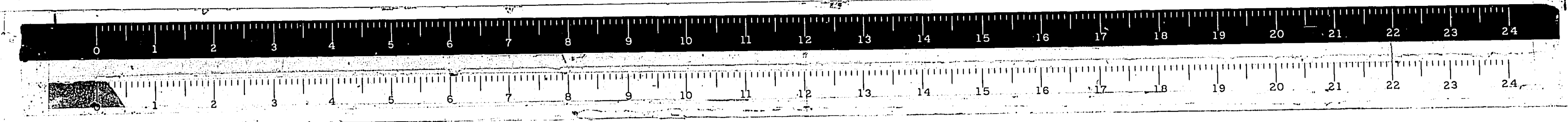
THE DETAILS SHOW TYPICAL METHODS OF THRUST BLOCKING. THE METHOD USED IN EACH CASE SHALL MEET THE APPROVAL OF THE ENGINEER. THRUST BLOCKING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR WATER MAIN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

LEGEND

INDICATES UNDISTURBED EARTH
 INDICATES CLASS X CONCRETE

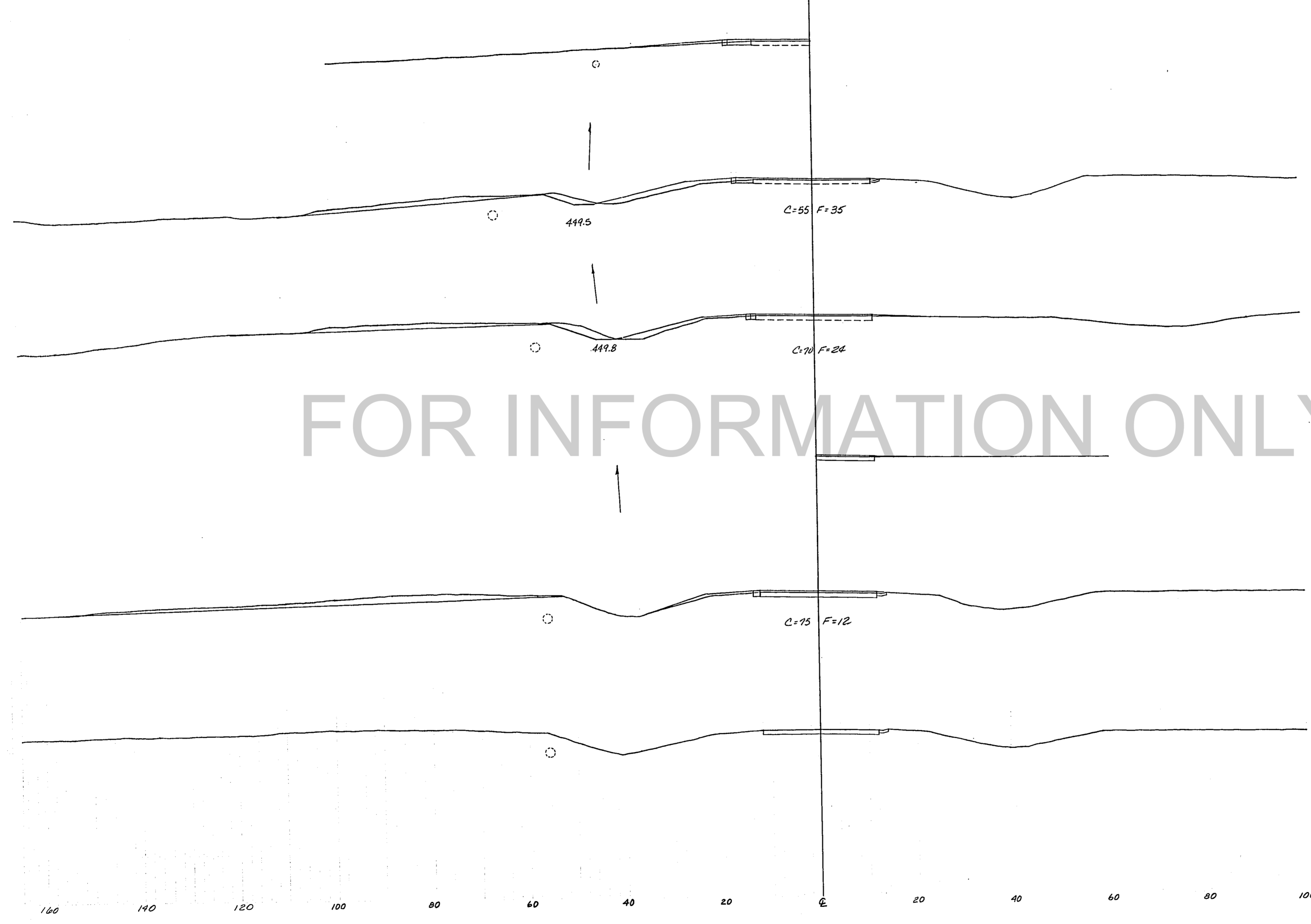


REVISIONS	
STD. 9-47	



160 140 120 100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 148	1301	Williamson	30	15
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



P.E.L.
-450- (106 + 38)

-450- (106 + 00)

-450- (105 + 00)

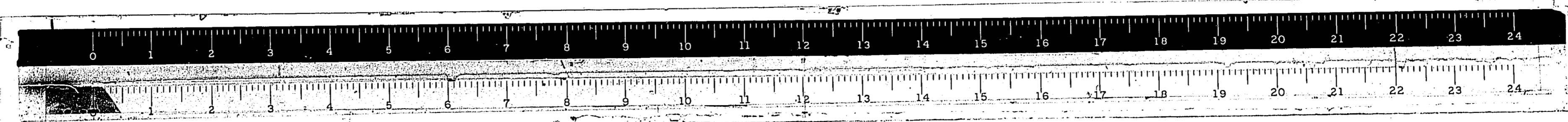
S.R.R.
-450- (105 + 00)
SKEWED

-450- (104 + 00)

-450- (103 + 00)

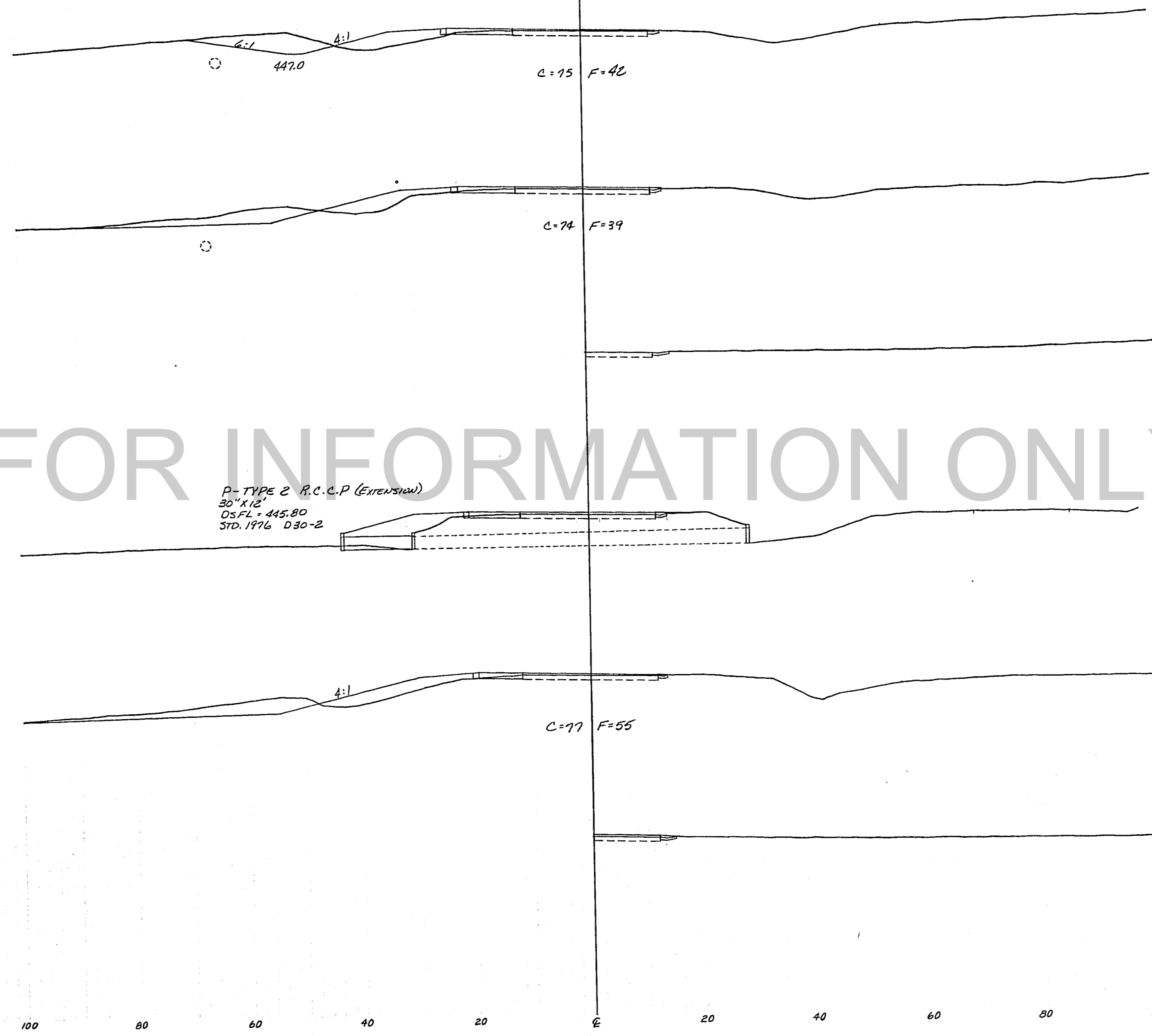
160 140 120 100 80 60 40 20 0 20 40 60 80 100

100 FA. Rte. 148 Sec. 1301 Williamson Co.



100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 148	1301	Williamson	30	16
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



FOR INFORMATION ONLY

-450- (107 + 00)

-450- (108 + 00)

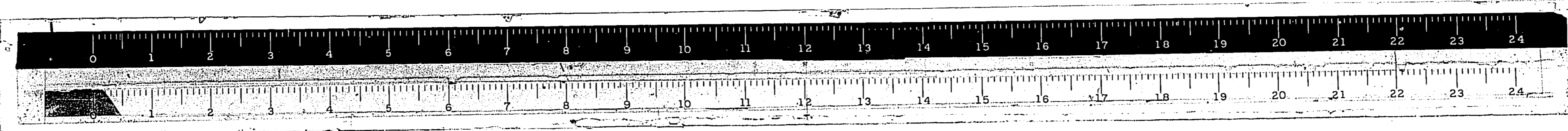
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-450- (107 + 54.5)

-450- (107 + 00)

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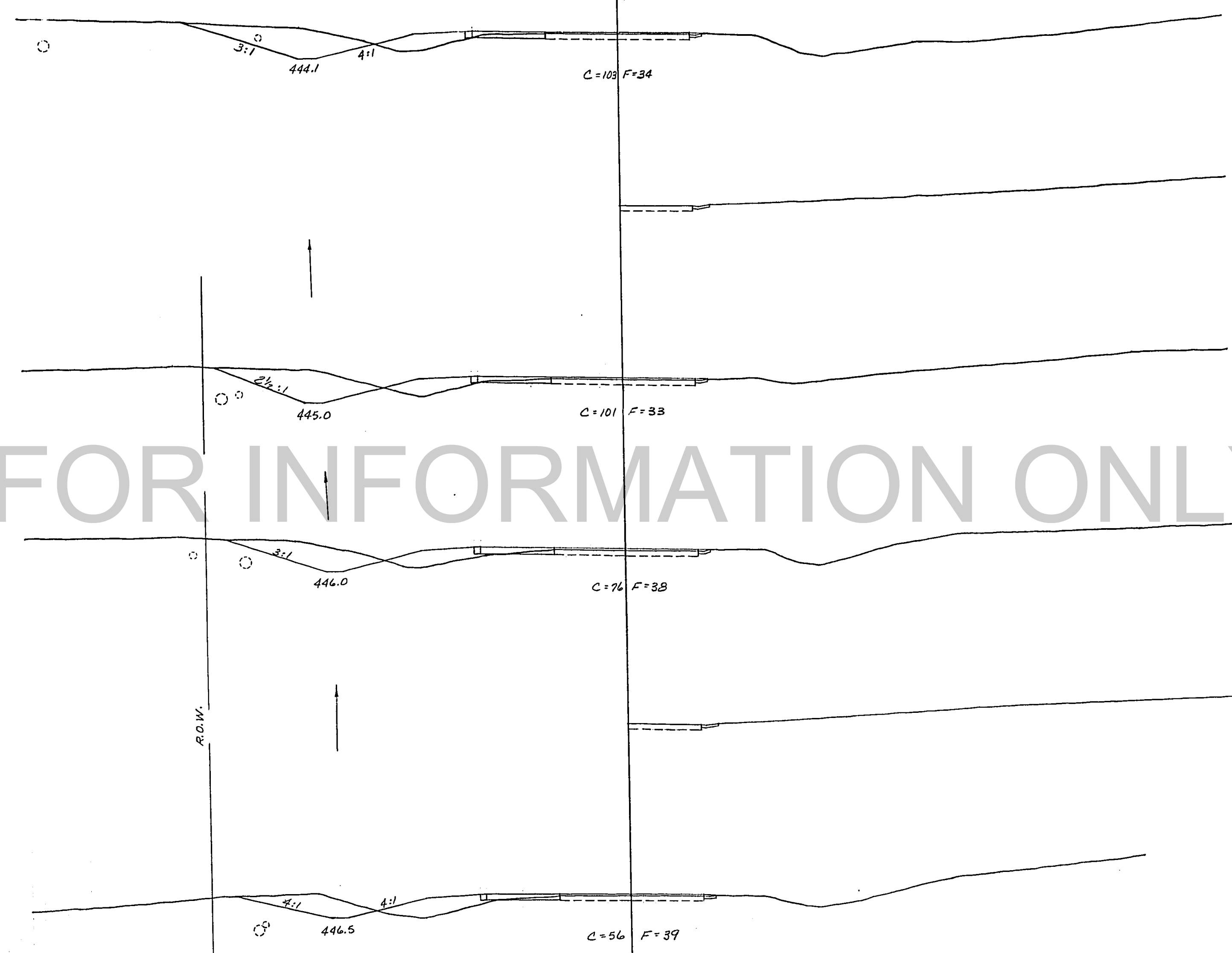
F.A. Rte. 148 Sec. 1301 Williamson Co.



120 100 80 60 40 20 E 20 40 60 80 100

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 148	1301	Williamson	30	17
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

R.O.W.



-450- 113 + 00

-450- P.E.R. 112 + 23

-450- 112 + 00

-450- 111 + 00

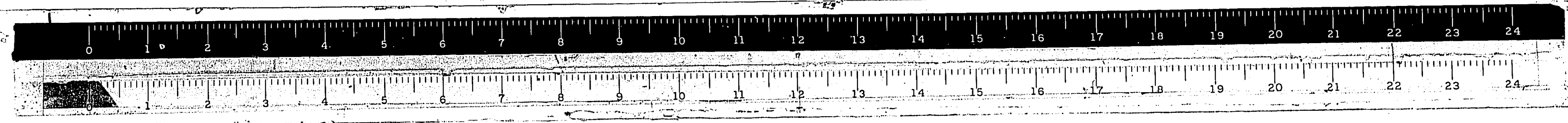
-450- P.E.R. 110 + 64

-450- 110 + 00

FOR INFORMATION ONLY

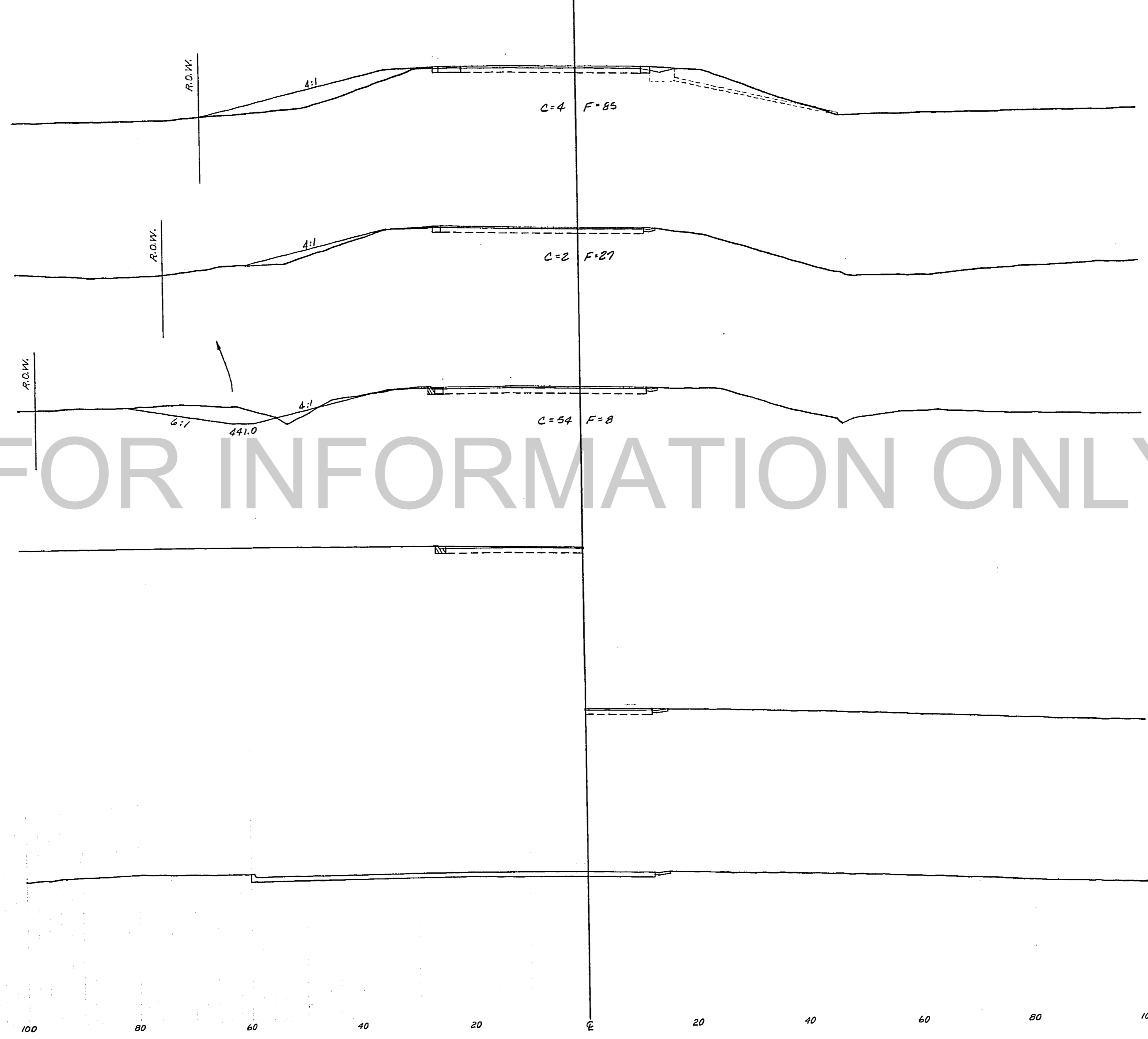
120 100 80 60 40 20 E 20 40 60 80 100

F.A. Rte. 148 Sec. 1301 Williamson Co.



100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	18
FER. ROAD DIST. NO. 7 ILLINOIS			PROJECT	



-450- (117 + 00)

-450- (116 + 00)

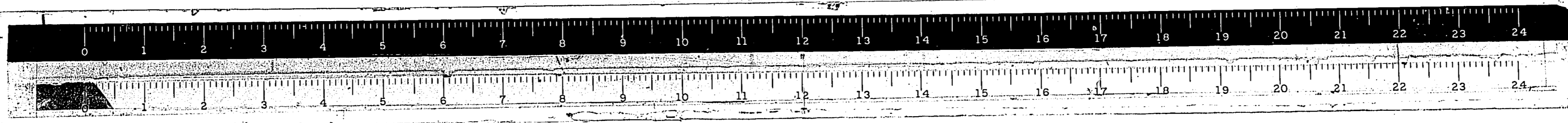
-450- (115 + 00)

-450- (S.R.L. 114 + 13.9) SKEWED

-450- (S.R.R. 114 + 11) SKEWED

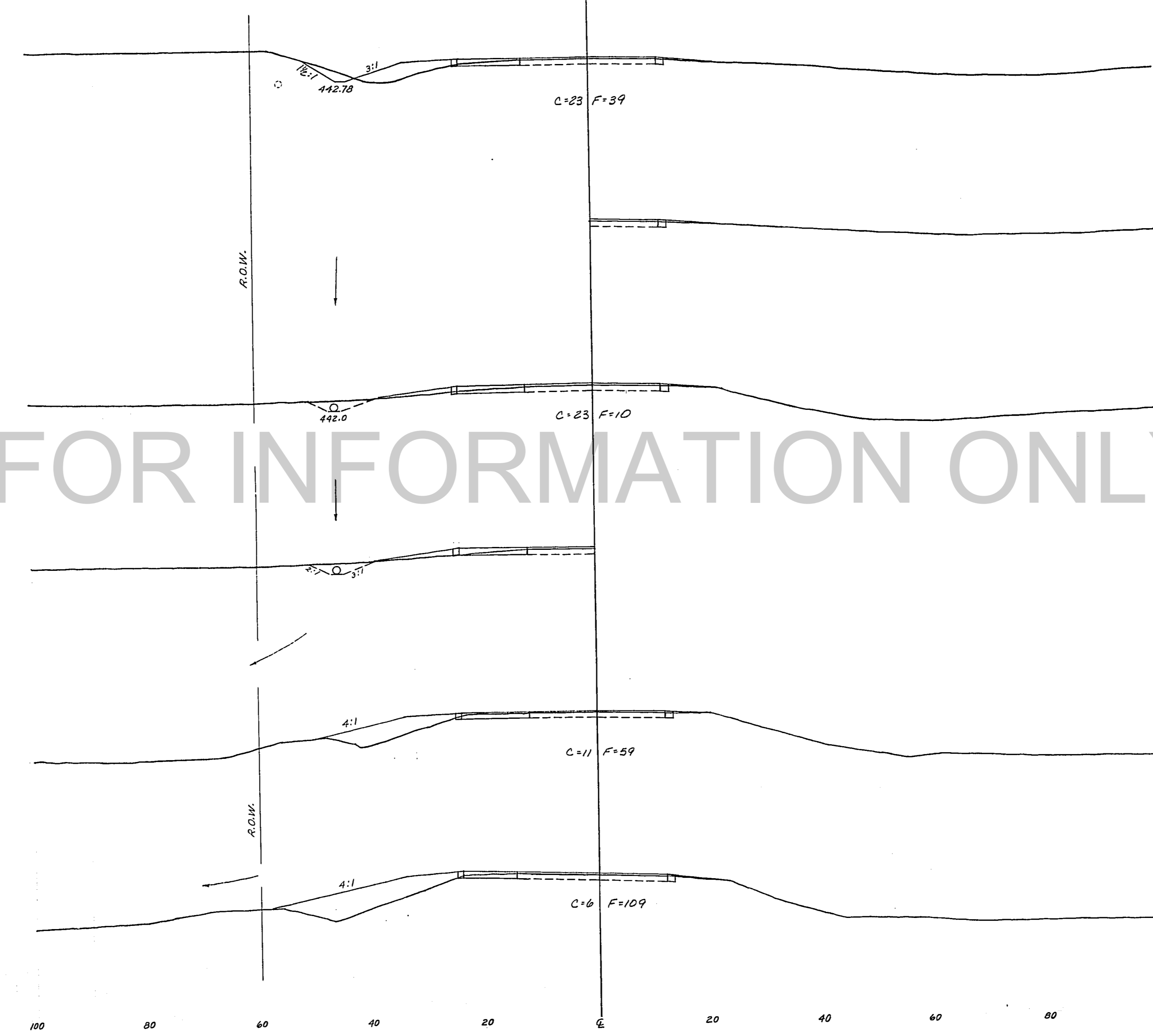
-450- (114 + 00)

100 F.A. Rte. 148 Sec. 1301 Williamson Co.



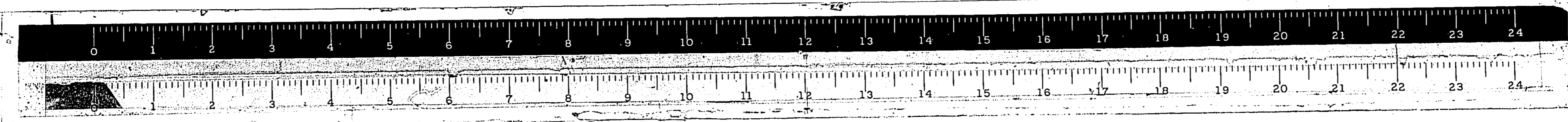
100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	130I	Williamson	30	19
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



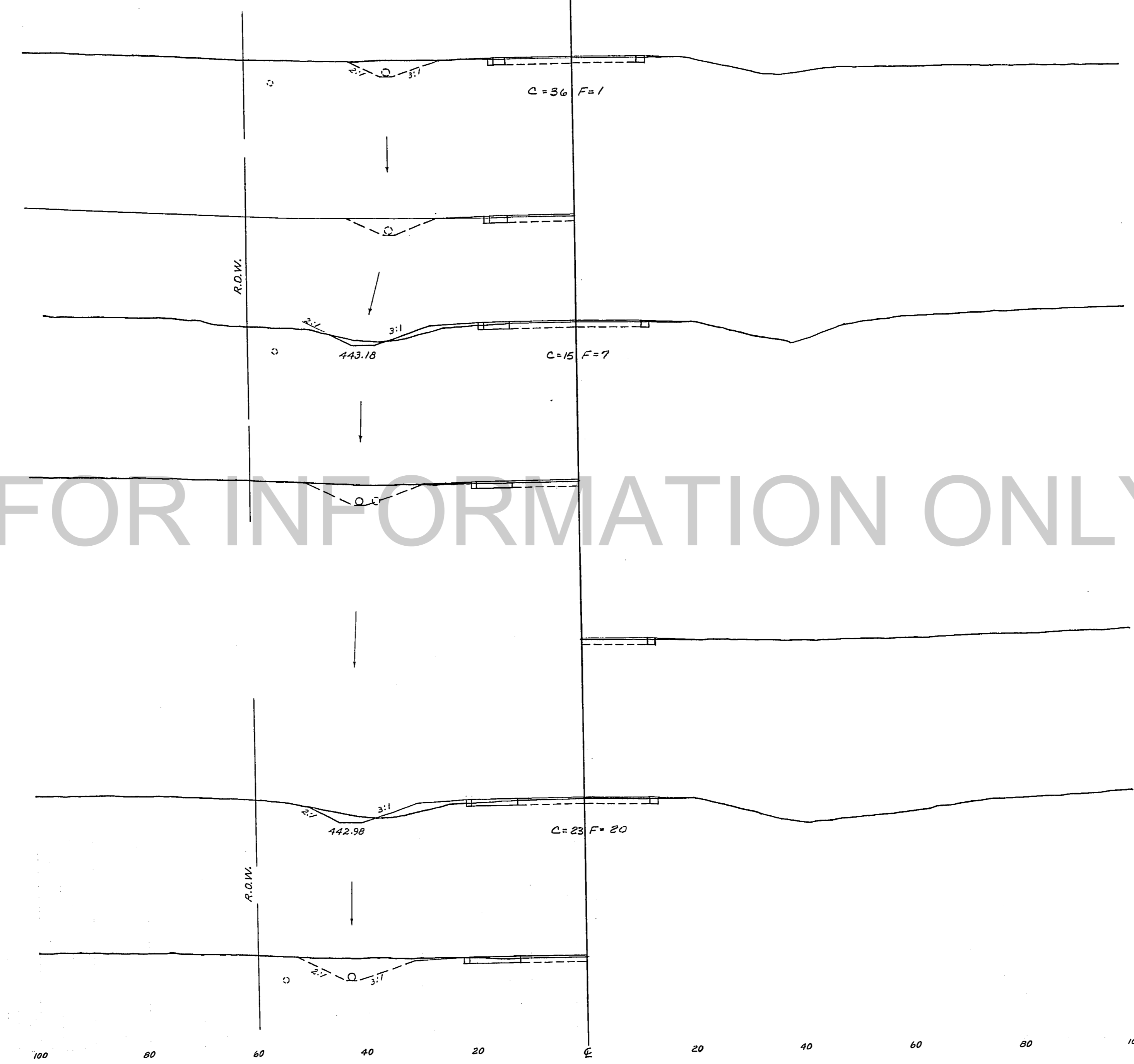
- 450- (123 + 00)
- 450- (P.E.R. 122 + 91)
- 450- (122 + 00)
- 450- (P.E.L. 121 + 94)
- 450- (119 + 00)
- 450- (118 + 00)

F.A. Rte. 148 Sec. 130I Williamson Co.



100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	20
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



-450- (126 + 00)

REL. -450- (125 + 52)

-450- (125 + 00)

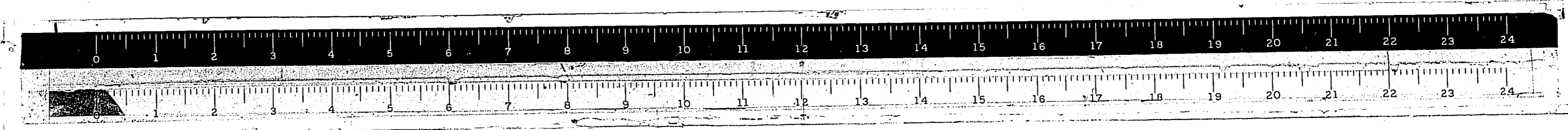
REL. -450- (124 + 51)

REL. -450- (124 + 37)

-450- (124 + 00)

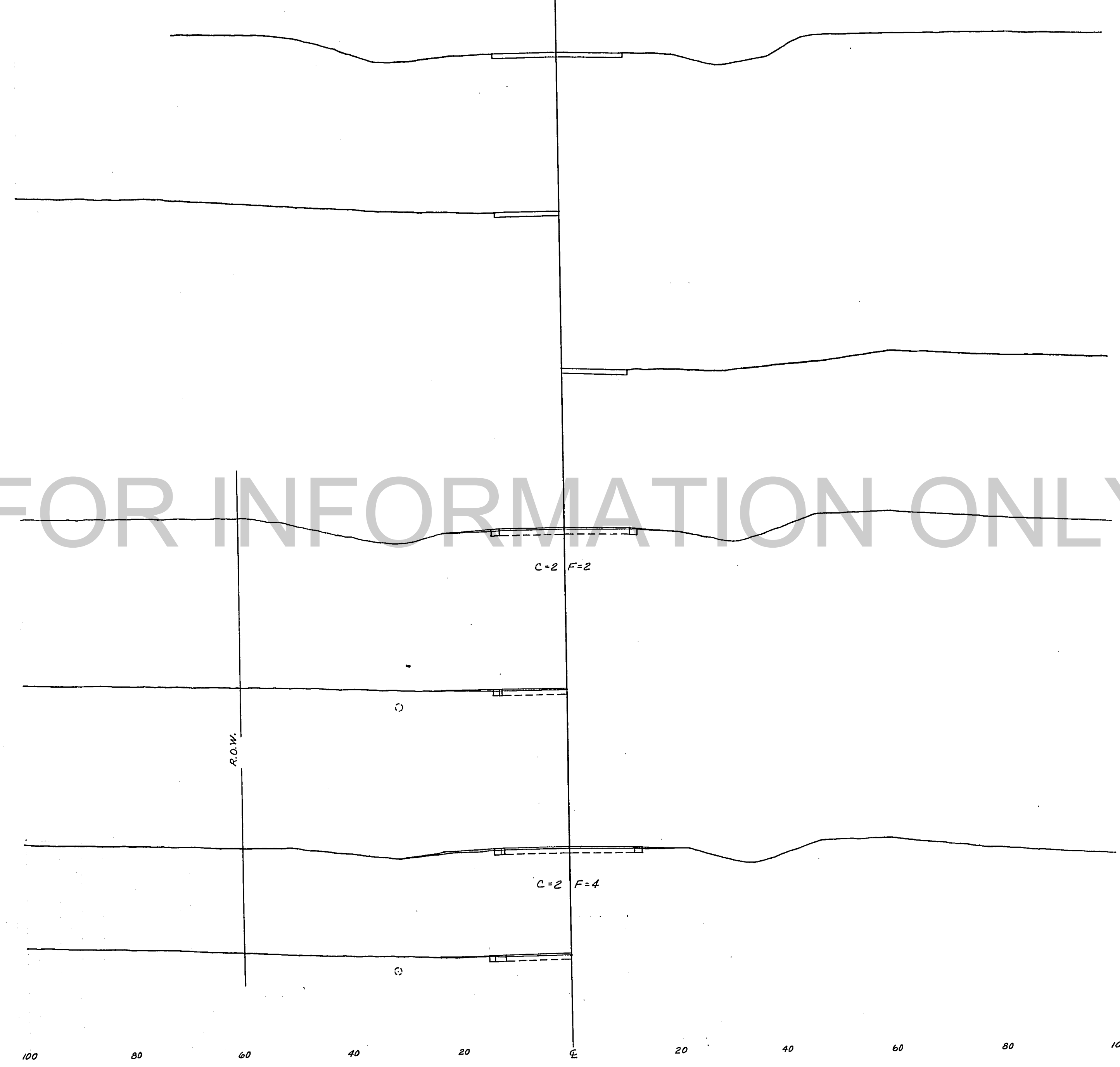
REL. -450- (123 + 73)

100 F.A. Rte. 148 Sec. 1301 Williamson Co.



100 80 60 40 20 0 20 40 60 80 100

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 148	1301	Williamson	30	21
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



-450- (129 + 00)

-450- (REL. 128 + 31)

-450- (FER. 128 + 40)

-450- (128 + 00)

-450- (REL. 127 + 10)

-450- (127 + 00)

-450- (REL. 126 + 14)

FOR INFORMATION ONLY

100 F.A. Rte 148 Sec. 1301 Williamson Co.

