

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
STATE BOND ISSUE HIGHWAY

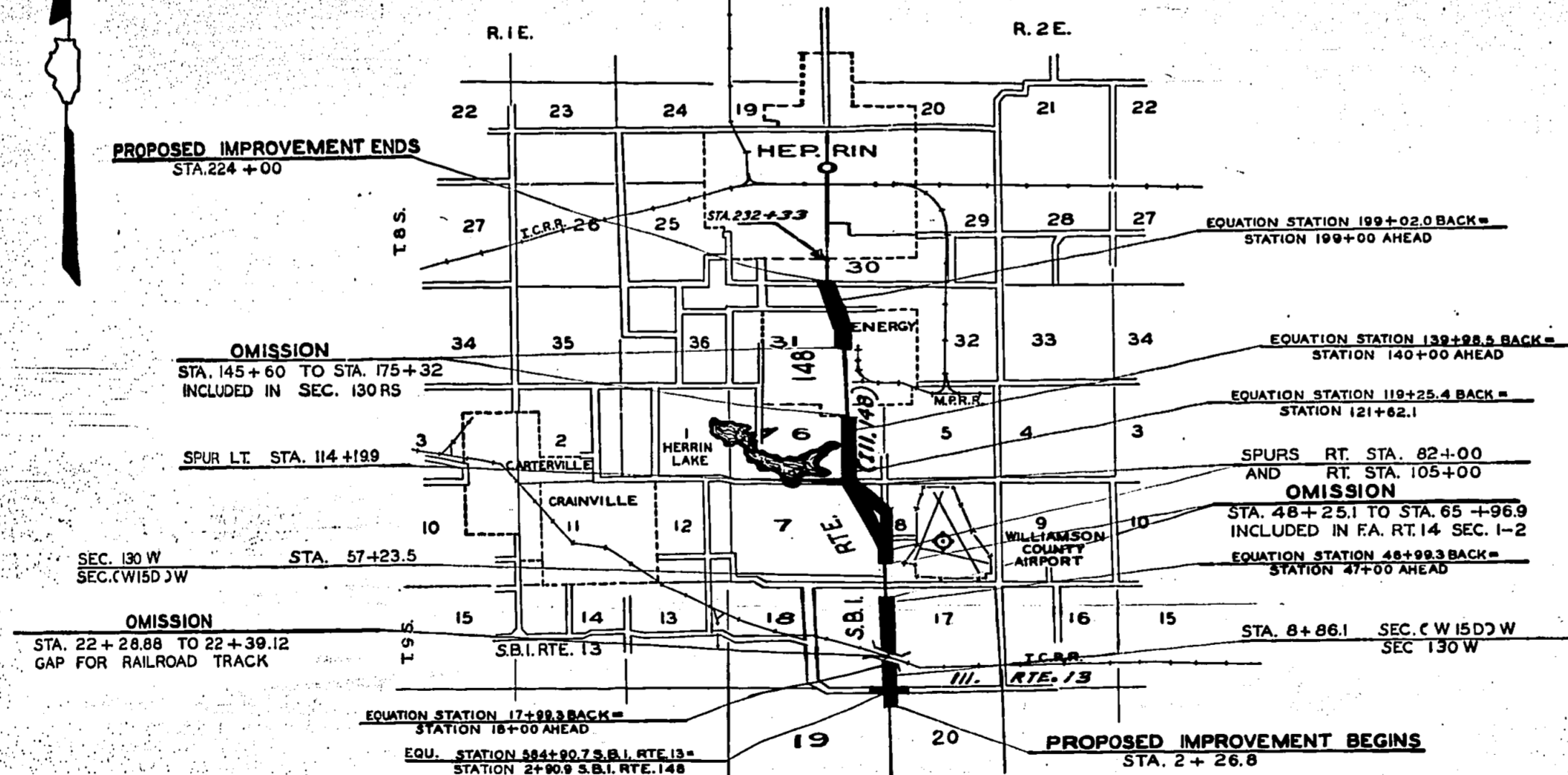
BOND ISSUE PROJECT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
(S.B.I. 748)	C130,	WILLIAMSON	102	1
FAS 910 (W154)W				
T.E.B. ROAD DIV. NO. 7 ILLINOIS PROJECT DS-78 (4)				

SCALES } PLAN 1 INCH = 80 FT.
 } PROFILE, HOR. 1 INCH = 80 FT.
 } PROFILE, VERT. 1 INCH = 5 FT.
 } CROSS-SECTIONS 1 INCH = 5 FT.

F.A.S. ROUTE 910
 (S.B.I. ROUTE 148) SECTION (130,W154)W
 PROJECT DS-78 (4)
 WILLIAMSON COUNTY



FOR INFORMATION ONLY

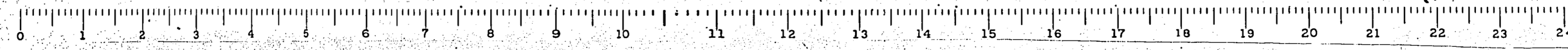


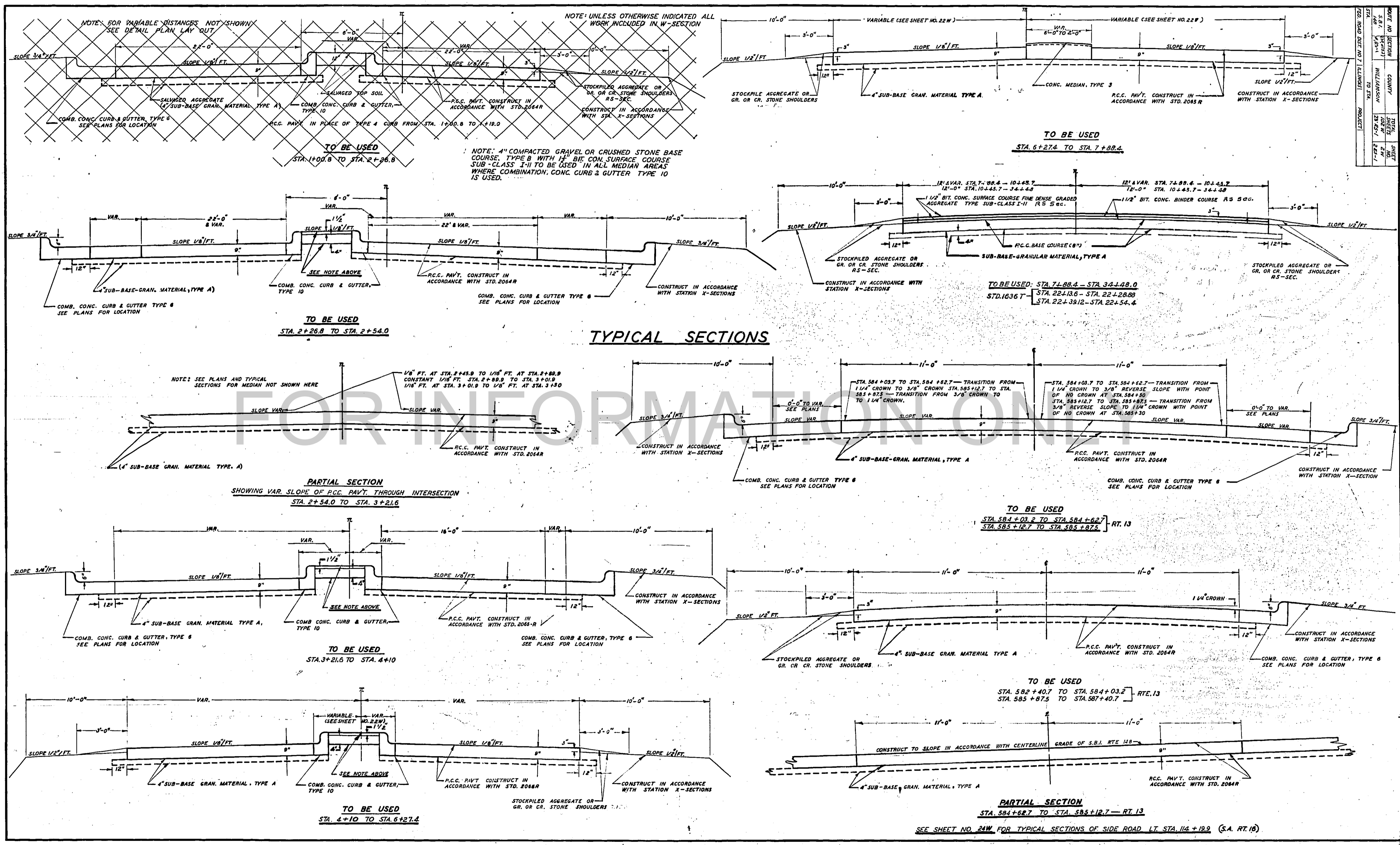
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS

SUBMITTED: March 1, 1958
 EXAMINED: May 14, 1958
 PASSED: May 14, 1958
 APPROVED: May 14, 1958
 APPROVED: May 14, 1958

LAYOUT
 APPROXIMATE SCALE 1" = 1 MILE
 NET LENGTH
 SEC. C W154)W = 3927.36 LIN. FT. = 0.744 MILES
 SEC. 130 W = 13254.20 LIN. FT. = 2.510 MILES
 ENTIRE SECTION = 17181.56 LIN. FT. = 3.254 MILES

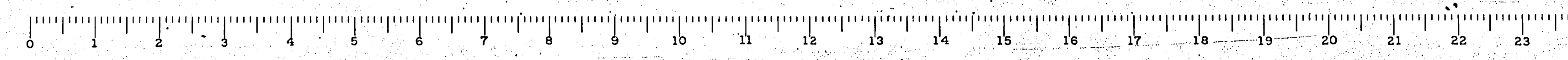
WILLIAMSON COUNTY SECTION (S. B. I. ROUTE 148) (130 W154)W F.A.S. ROUTE 910





DATE	NO. SECTION	QUANTITY	UNIT
5.8.1	134111	WILLIAMSON	SEC. 1
5.8.2	134112	WILLIAMSON	SEC. 2
5.8.3	134113	WILLIAMSON	SEC. 3
5.8.4	134114	WILLIAMSON	SEC. 4
5.8.5	134115	WILLIAMSON	SEC. 5
5.8.6	134116	WILLIAMSON	SEC. 6
5.8.7	134117	WILLIAMSON	SEC. 7
5.8.8	134118	WILLIAMSON	SEC. 8
5.8.9	134119	WILLIAMSON	SEC. 9
5.8.10	134120	WILLIAMSON	SEC. 10

FOR INFORMATION ONLY

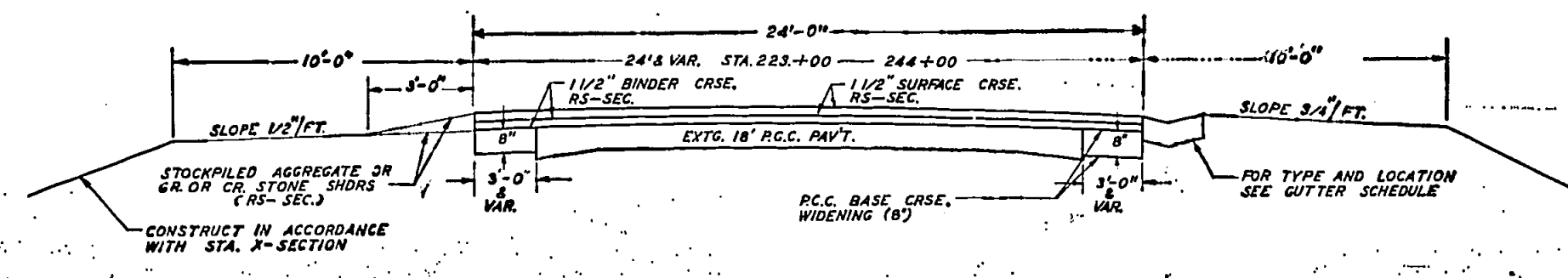


NOTE: SURFACE COURSE INDICATES BITUMINOUS CONCRETE
SURFACE COURSE, SUB-CLASS I-II

UNLESS OTHERWISE INDICATED ALL WORK INCLUDED IN W-SEC.

TYPICAL SECTIONS

S.B.I. (130.W15) WRS-1 WILLIAMSON CO. 10/24/70
148 SEC. 148 MAR 23 1971



TO BE USED

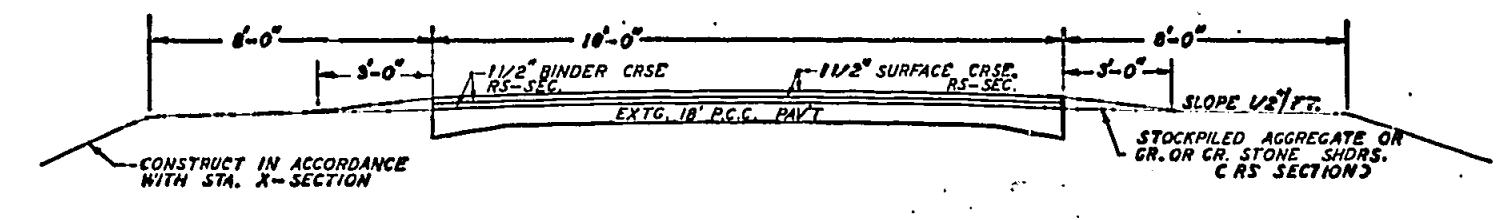
STA. 34+48 TO 35+00
LT. STA. 35+00 TO 48+25.1
STA. 65+06.9 TO 69+50
STA. 221+00 TO 224+00 (SEE TRANSITION SHEET NO. 203)

STATION EQUATION
48+99.3=47+00.DAH

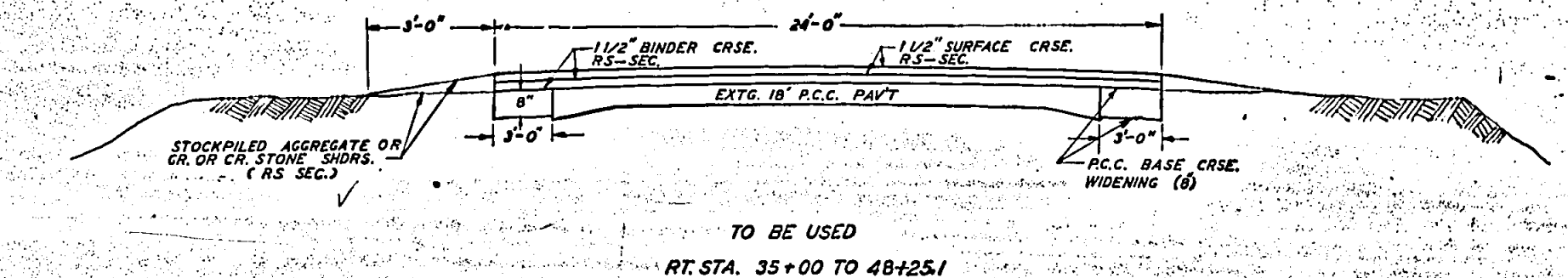
STA.-STA.

TYPE OF WORK

STA.-STA.	TYPE OF WORK
21+8.8 - 7+88.8	PAVEMENT VAR. W/ W/ WITH MEDIAN
7+88.4 - 10+45.2	BASE CRSE. 24" (8")
10+45.2 - 34+48	BASE CRSE. 24" (8")
34+48 - 48+25.1	BASE CRSE. WIDENING - 2 @ 3' (6")
48+25.1 - 69+50	BASE CRSE. WIDENING - 2 @ 3' (6")
69+50 - 145+60	BASE CRSE. - 24" (8")
145+60 - 175+32	OMISSION
175+32 - 177+00	BASE CRSE. WIDENING - 2 @ 3' (6") & PARKING LANES - 2 @ 7' VAR.
177+00 - 178+24	BASE CRSE. - 24" (8") & PARKING LANES - 2 @ 7'
178+24 - 221+00	BASE CRSE. - 24" (8")
221+00 - 224+00	BASE CRSE. WIDENING - 2 @ 3' (6")
04+12.8 - 04+23.4	SPUR RT. 82+00 & 105+00 (W-SEC.)
04+23.4 - 34+45.2	BASE CRSE. - VAR. (8")
08+12.8 - 08+23.4	PAV'T. - 20' (6")
08+23.4 - 38+35.0	PAV'T. - 20' (6")
01+12.1 - 31+00	PAV'T. - VAR. (8") WITH MEDIAN.
582+40.7 - 587+40.7	INTERSECTION (RT. 13) (W-SEC.)
	PAV'T. 22' (6")
	MAIN LINE (RS-SEC.)
7+88.4 - 10+45.2	I-II SURFACING - 24' & VAR.
10+45.2 - 48+25.1	I-II SURFACING - 24'
48+25.1 - 69+50	I-II SURFACING - 24'
69+50 - 145+60	OMISSION
145+60 - 175+32	I-II SURFACING - 24' & PARKING LANES
175+32 - 178+24	"A-3" TREAT. - 2 @ 7'
178+24 - 224+00	I-II SURFACING - 24'
04+12.8 - 04+23.4	SPUR RT. 82+00 & 105+00 (RS-SEC.)
08+12.8 - 08+23.4	I-II SURFACING - VARIABLE WIDTH
08+23.4 - 38+35.0	I-II SURFACING - VARIABLE WIDTH
34+45.2 - 234+95.6	I-II SURFACING ON EXIST' PAV'T.

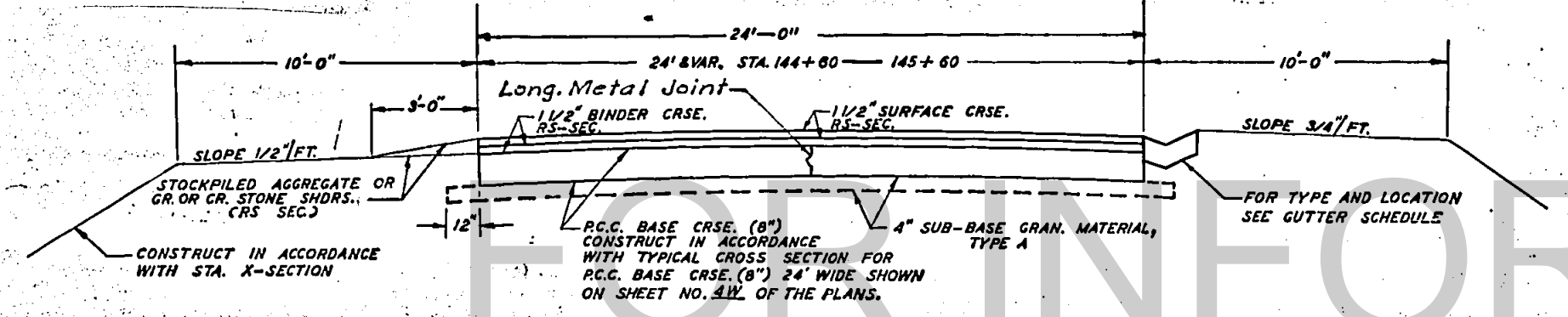


TO BE USED
SPUR RT. STA. 82+00 & 105+00
STA. 34+45.2 TO 234+95.6=38+35.0



TO BE USED

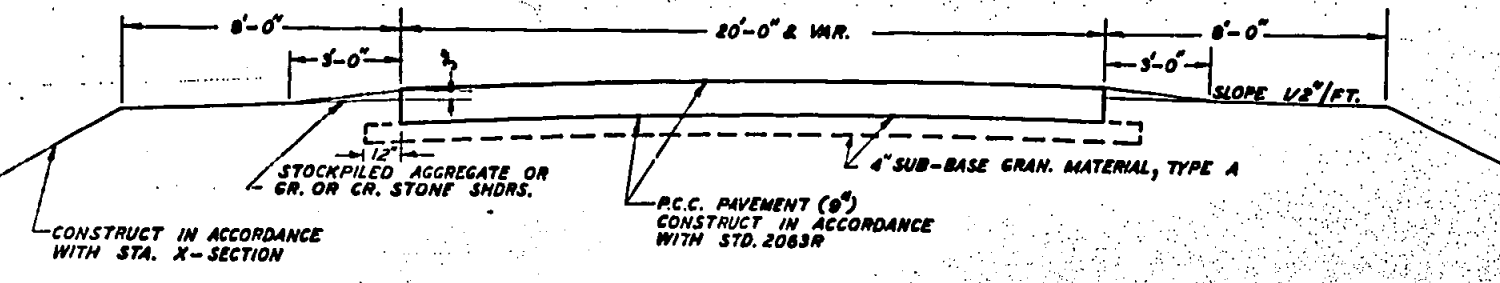
RT. STA. 35+00 TO 48+25.1



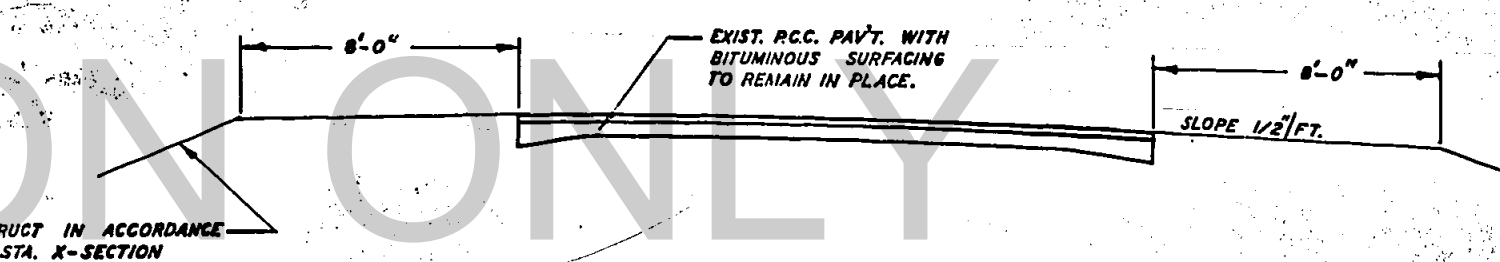
TO BE USED

STA. 69+50 TO 145+60
STA. 178+24 TO 221+00

SEE TRANSITION SHEET NO. 183
STATION EQUATION
116+25.4=121+62.7AH
139+98.5=140+00.DAH
199+02.0=199+00.DAH

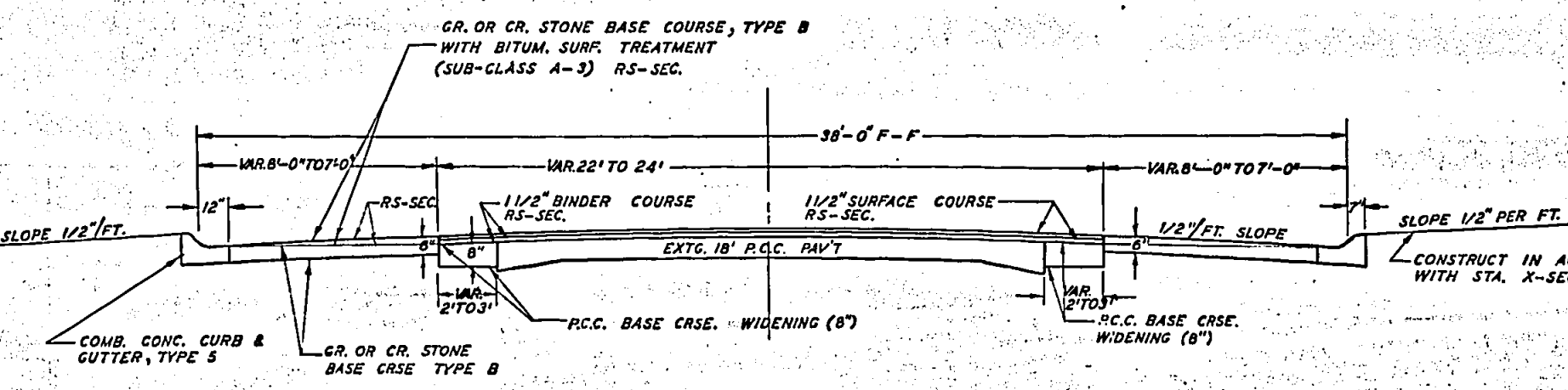


TO BE USED
SPUR RT. STA. 82+00
STA. 04+23.4 TO 34+45.2
SPUR RT. STA. 105+00
STA. 38+35.0 TO 08+23.4



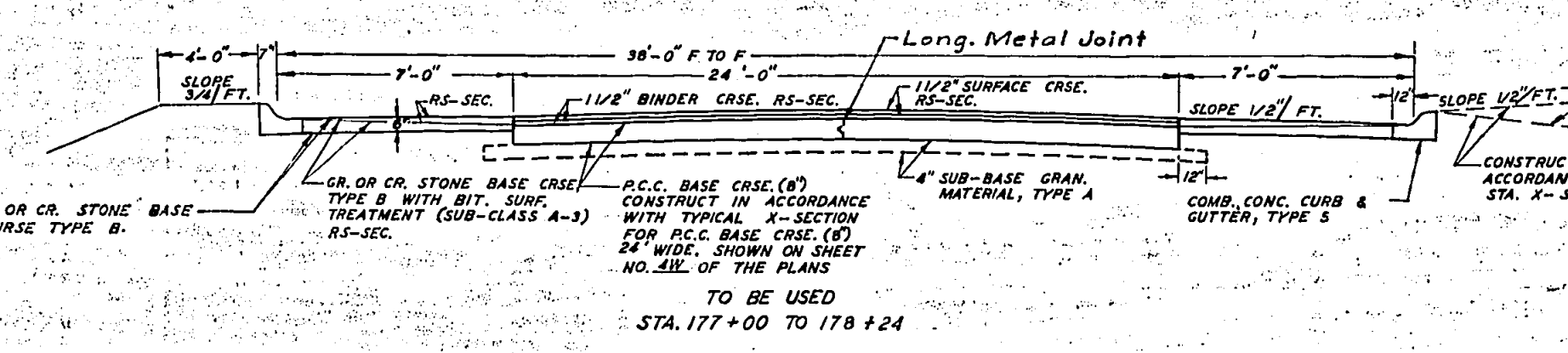
TO BE USED
RT. STA. 578+75 TO STA. 581+00
RT & LT. STA. 581+00 TO STA. 582+40.7
RT. & LT. STA. 587+40.7 TO STA. 598+60

QUANTITIES USED FOR ESTIMATING
BIT. CONC. SURF. CSE. - I-II 0.075 TONS PER SQ. YDS. - 1 1/2" TH. (USE ON OLD PAV'T.)
" " " " " " " " " " " " (USE ON NEW BASE CSE.)
" " " " " " " " " " " " (USE ON OLD PAV'T.)
" " " " " " " " " " " " (USE ON NEW BASE CSE.)
LEVELING BINDER (MACH. METHOD) 0.03 TONS PER SQ. YDS. (USE ON OLD PAV'T.)



TO BE USED

STA. 175+32 TO 177+00

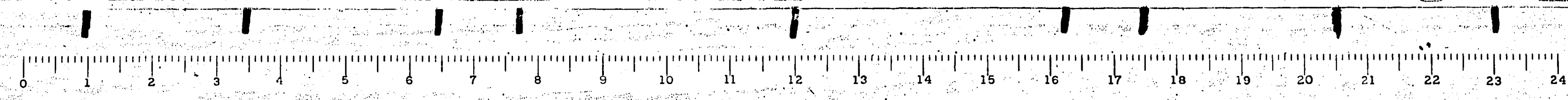


TO BE USED

STA. 177+00 TO 178+24

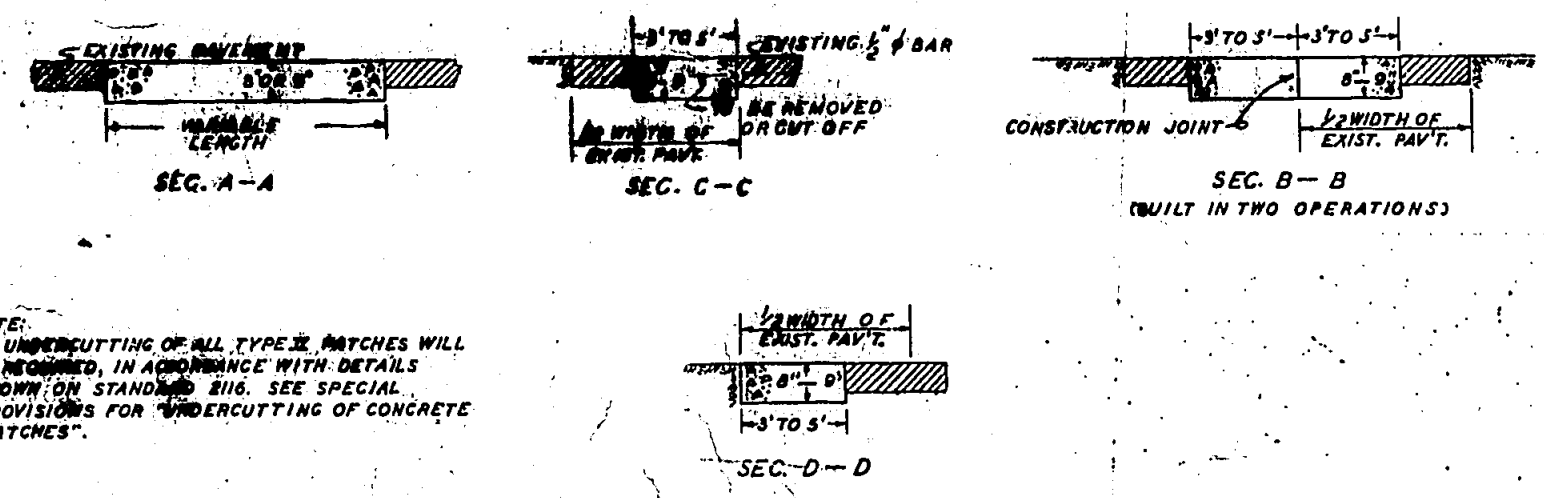
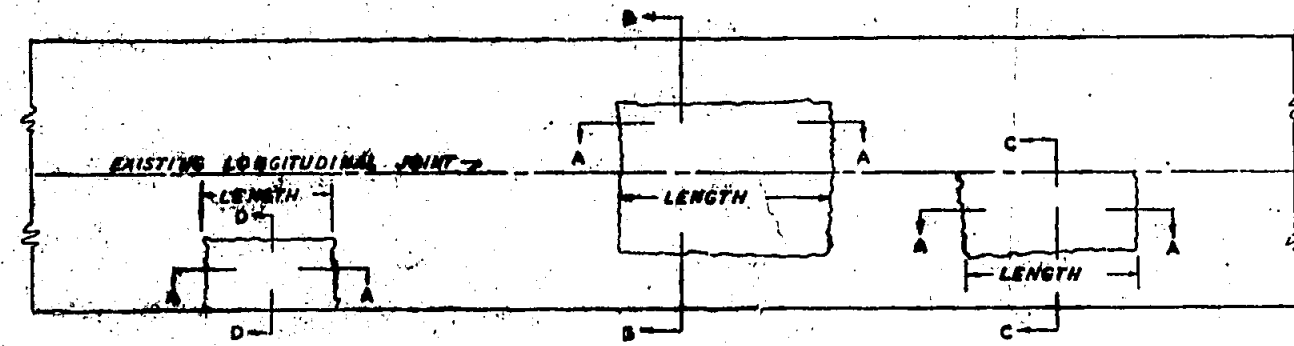
HIGHWAY CLASSIFICATION

STA. 2+90.9 TO STA. 57+43 — 460-M-70
STA. 57+43 TO STA. 114+20 — 560-M-70
STA. 114+20 TO STA. 232+33 — 880-M-70



PATCHING DETAIL SPECIAL, TYPE II, III, & IV

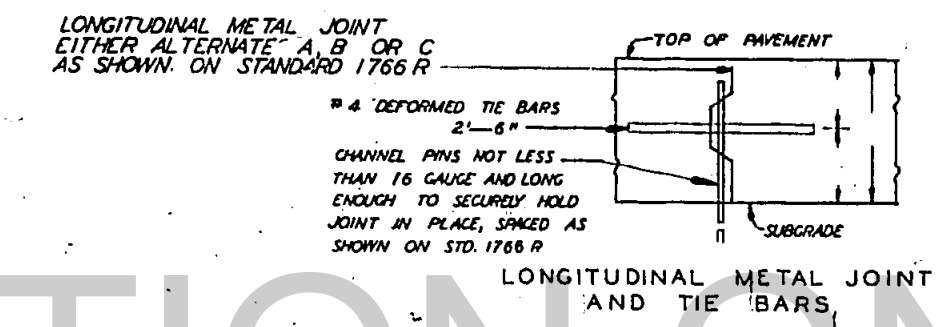
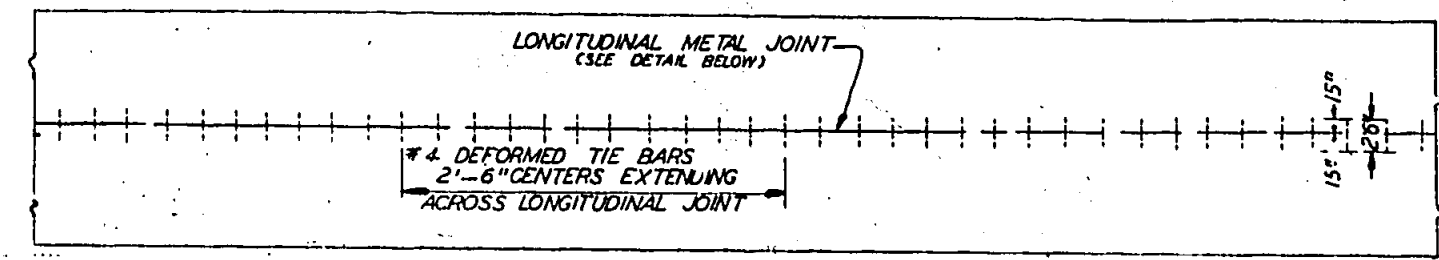
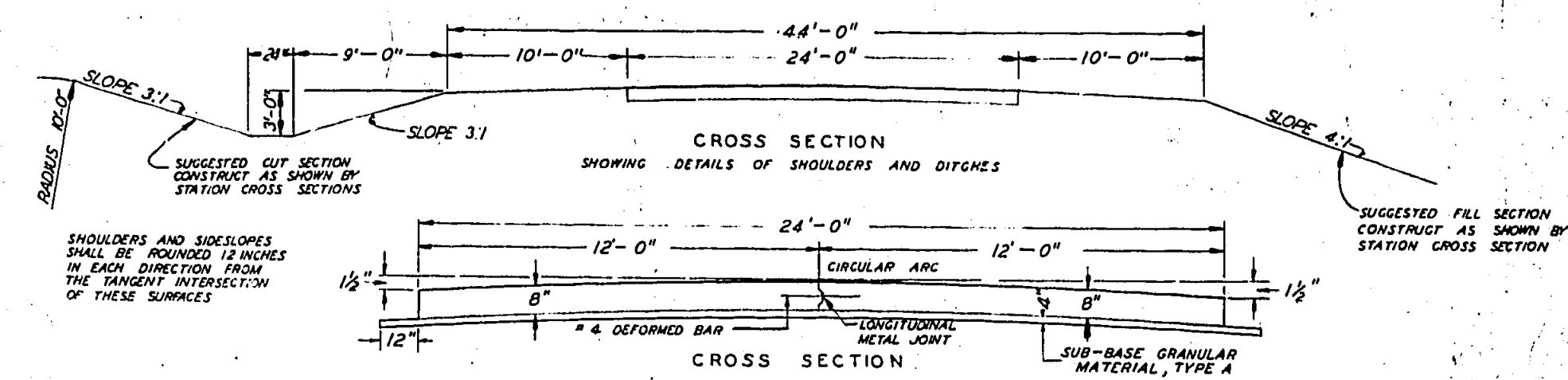
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.T. 148	W	WILLIAMSON	102 W	9 W



NOTE: UNDERCUTTING OF ALL TYPE II PATCHES WILL BE REQUIRED, IN ACCORDANCE WITH DETAILS SHOWN ON STANDARD FIG. SEE SPECIAL PROVISIONS FOR "UNDERCUTTING OF CONCRETE PATCHES".

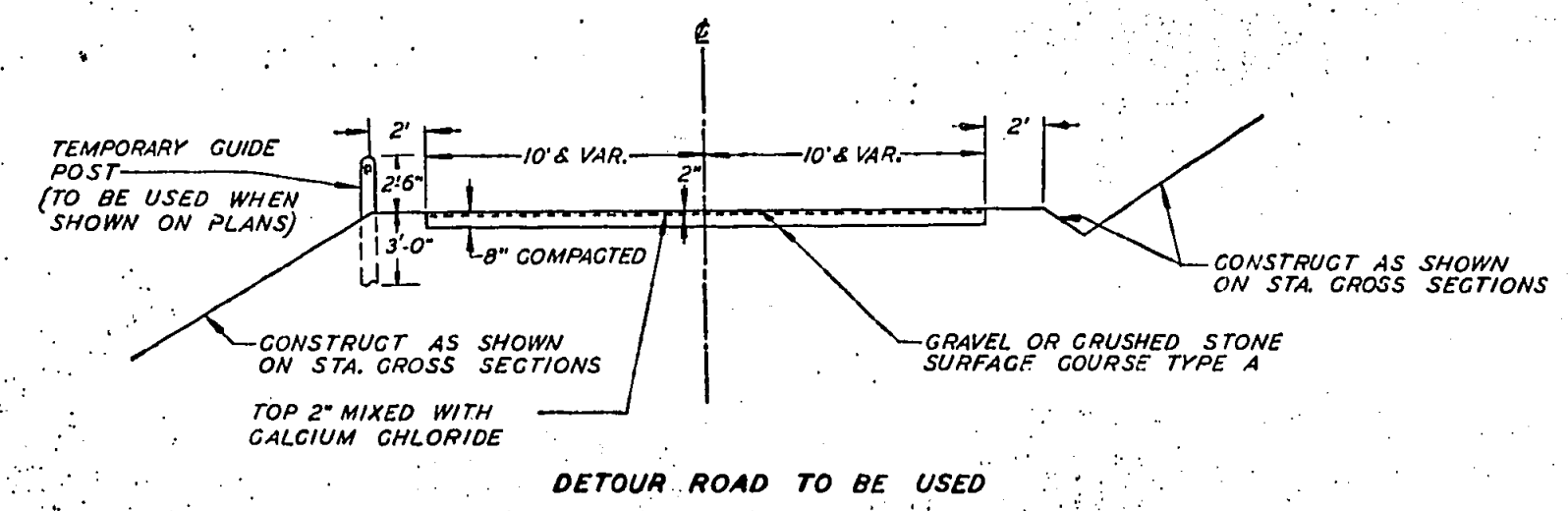
TYPICAL CROSS SECTION FOR 24 FT. PORTLAND CEMENT CONC. BASE COURSE WITH 10 FT. SHOULDERS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.T. 148	W	WILLIAMSON	102 W	4 W



TYPICAL CROSS SECTION OF PROPOSED DETOUR ROAD FOR THROUGH TRAFFIC

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.T. 148	W	WILLIAMSON	102 W	6 W

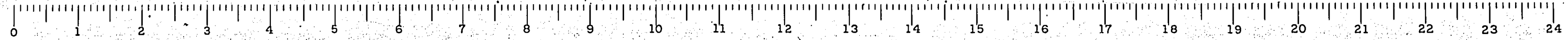
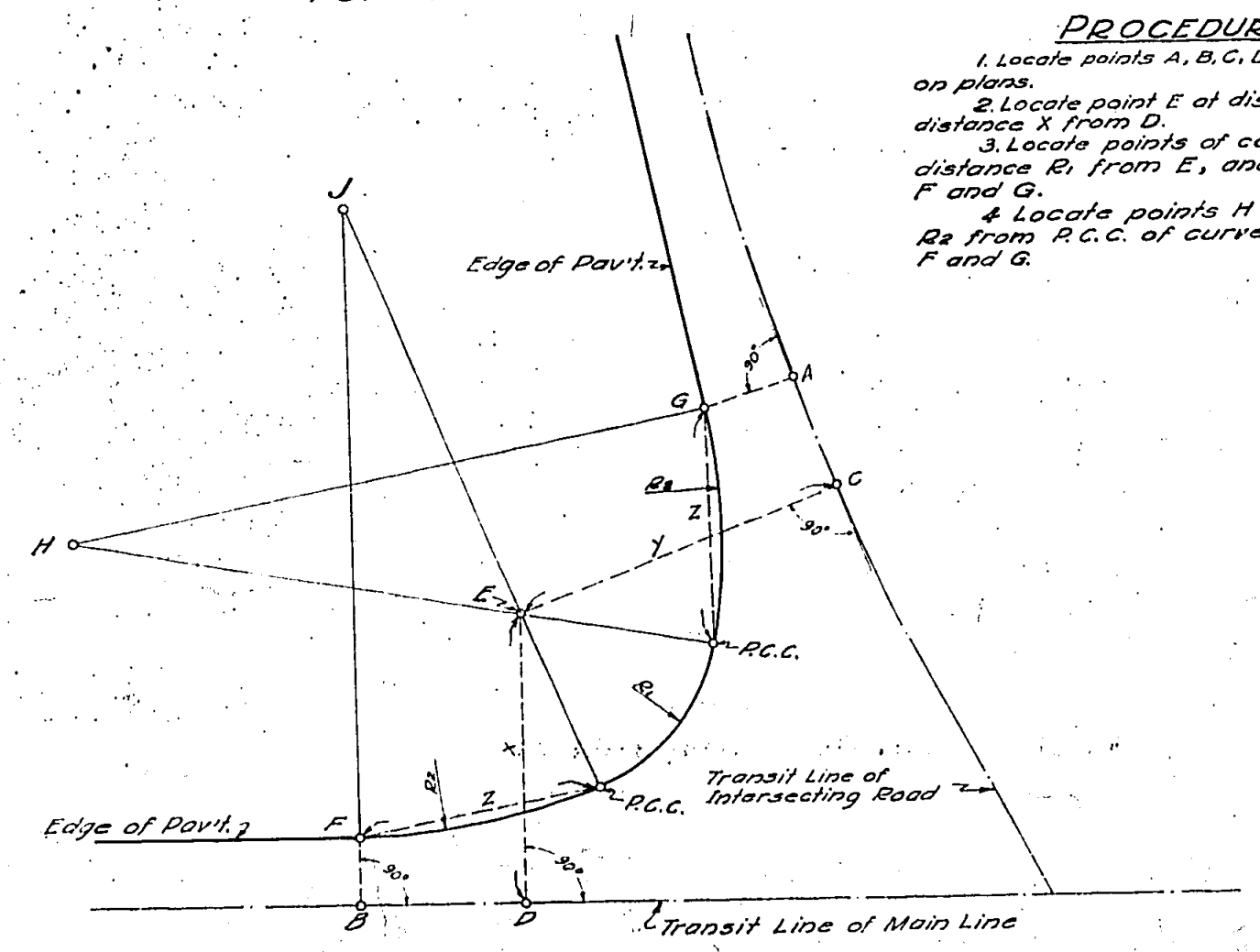


S.B.T. ROUTE 148 SECTION 130. W15d3W WILLIAMSON COUNTY

INSTRUCTIONS FOR STAKING CONTROL POINTS FOR THREE CENTERED CURVES

PROCEDURE

1. Locate points A, B, C, D, F & G from information on plans.
2. Locate point E of distance Y from C and distance X from D.
3. Locate points of compound curve at distance R₁ from E, and distance Z from F and G.
4. Locate points H and J at distance R₂ from P.C.C. of curves and from points F and G.



148	130W154W	WILLIAMSON	102W	5W
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Sheet No.	Sheet No.	INDEX OF SHEETS
1.	27.	Culvert Rightings; Station 18+23; Station 26+92; Station 75+90; Station 115+56.
2.	28.	Culvert Rightings; Station 155+88.5; Station 222+04. Detail of Special Ditch Headwall; Details of Paved Ditch Type 1 and 2.
3.	29.	Detail of Expansion Bolt; Mandrel Special Type II; Details of Cast Iron Frame Special Type 1 and Type 2.
4.	30-31.	Cross Sections Station 580+00 - Station 590+00 (S.B. Route 13)
5.	32-40.	Cross Sections Station 2+26.8 - Station 20+50.
6.	40(a)-40(e)	Cross Sections Station 21+00 - Station 33+00.
7.	41-44.	Cross Sections Station 35+50 - Station 49+00.
8.	45-65.	Cross Sections Station 63+00 - Station 119+00.
9.	66-81.	Cross Sections Station 176+00 - Station 221+75.
10.	82-87.	Cross Sections Station 11+00 - Station 18+00 (Spur Connection Rt. Station 82+00 and Station 105+00 and the existing road between the spurs.)
11.	88.	Cross Sections Left Station 103+50 (Picnic Area Drive).
12.	89.	Cross Sections Spur Connection Left Station 11+19.9.
13.	90.	Cross Sections Side Road Right Station 111+19.9.
14.	91.	Cross Sections Side Road Right Station 206+80.
15.	92.	Cross Sections Side Road Left Station 206+80.
16.	93.	Standards 1686B; 1971B; 1972B.
17.	94.	Standards 2063B; 2064B; 2065B; 1630T.
18.	95.	Standards 1766B; 2122.
19.	96.	Standards 1516B; 1517.
20.	97.	Standards 1711B; 2113; 2115; 1683B.
21.	98.	Standards 2116; 2123; 1977B.
22.	99.	Standards 1911B; 1790F.
23.	100.	Standards 1687B; 1527B; 1647B.
24.	101.	Standard 205L.
25.	102.	Standard 1976; Typical Layout of Side Approaches and Mail Box Drives.
26.	102A.	Typical Cross Sections of Seeding and Mulching Details. Outlet Special for Type B Outlets.

148	130W154W	WILLIAMSON	102	5W
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GENERAL NOTES

Depressed curbs shall be constructed across all private drives, and across all alleys where no return is provided.

The curbment shall be constructed in two stages at various locations as indicated on the plans and station cross-sections.

Permanent Removal and Replacement as indicated on the plans and at locations as directed by the Engineer. See tabulation for square yards, type, and number of patches.

Reference and preserve land corners and United States Government bench marks.

Sub-base Granular Material, Type A, 4 inches compacted thickness, used throughout this section.

Reinforcement Special used between Station 22+12 and Station 22+56. 1350 Tons Estimated.

The removal of old plans, footings, foundations, walls, signs, or debris at former building sites shall be performed by the Contractor. This item shall be considered as incidental to the contract and no additional compensation will be allowed.

Additional width of gutter flag, at numerous locations as indicated on the plans, shall be paved nonolithically with the normal gutter flag and will not be measured nor paid for separately.

Temporary Bituminous "Bump-off" between Station 7+88.4 and Station 9+08.4; Station 12+07.5 and Station 22+27.8; Station 22+10.2 and Station 22+00.2; Station 31+18 and Station 31+70; Rt. Station 82+00; Rt. Station 105+00; Station 113+50 - 118+12.8; Station 115+10 and Station 115+00 are to be constructed to accommodate traffic during the period between completion of the V Section and construction of the B Section. Cost to be incidental to contract.

Strike-off and consolidation by hand methods, in accordance with Article 18.19 of the Standard Specifications and Article 29.9 of the Supplemental Specifications, will be permitted as follows:
 Station 2+26.8 - 2+79.9; Station 3+01.9 - 10+15.7; Spur Conn. St. Station 82+00 and St. Station 105+00; Intersection Lt. Station 111+19.9; Outside Lane Lt. Station 111+19.9 - 118+12.8

Bituminous Materials used for Prime Coat on Gravel or Crushed Stone shall be MC-0.

Form for Concrete Outlets, Combination Concrete Curb and Gutter shall be of metal only.

Salvaged Aggregate shall not be used as a base for Bituminous Concrete or Bituminous Treated Surfaces.

All items shown on the plans are included in the V Section unless otherwise shown.

Locations of Gas and Water Lines shown on the plans are approximate only.

Detour Road 8m-6-Rounds shall be constructed with an 8 inch compacted thickness and a width to provide two-way traffic at locations shown on the plans.

Gravel or Crushed Stone Shoulders, 20000 shall be constructed at the following locations:
 (along S.B. Route 13) Rt. & Lt. 580+00 - 583+40
 (along S.B. Route 13) Rt. & Lt. 584+25 - 590+00
 S.B. Route 118 Rt. & Lt. 8+10 - 7+88.4
 (Spur Rt. 82+00) Rt. & Lt. 0+31.4 - 3(A)+15.2
 (Spur Rt. 105+00) Lt. 0+21.4 - 3(B)+35
 Rt. 0+50 - 3(B)+35
 (S.B. Route 16) Rt. & Lt. 115+15 - 116+00
 S.B. Route 118 Lt. 115+45 - 118+13

177 Cubic Yards. Stockpiled Aggregate

Entrances, side roads and mail box drives shall be surfaced with gravel or crushed stone where surfacing at these points is provided for on the plans.

The Combination Concrete Curb and Gutter, Type 6 shall be constructed with a curb height of 6 inches above the flow line of the gutter.

Trees shall be preserved throughout this section as shown on the plans and as directed by the Engineer.

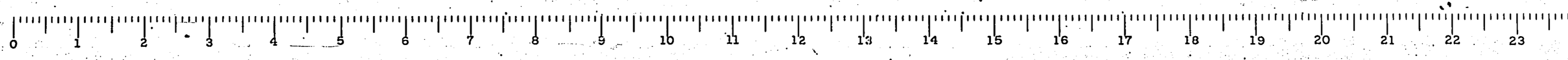
Excavated slopes in borrow pits shall not be steeper than 3:1.

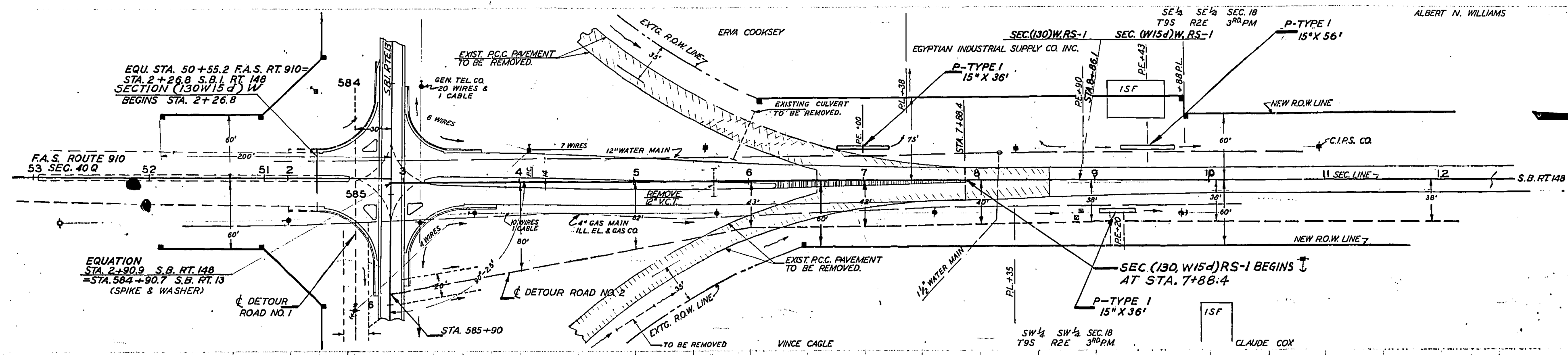
Bituminous Undersealing of Concrete Pavement will be required between the following Stations: 11+10 and 18+25.1; 65+96.9 and 69+50; 175+32 and 177+00; 221+00 and 221+00; 31+45.2 and 31+95.0.

7500 Gals. Bituminous Materials Pumped Under Pavement
 236 Each Holes Drilled

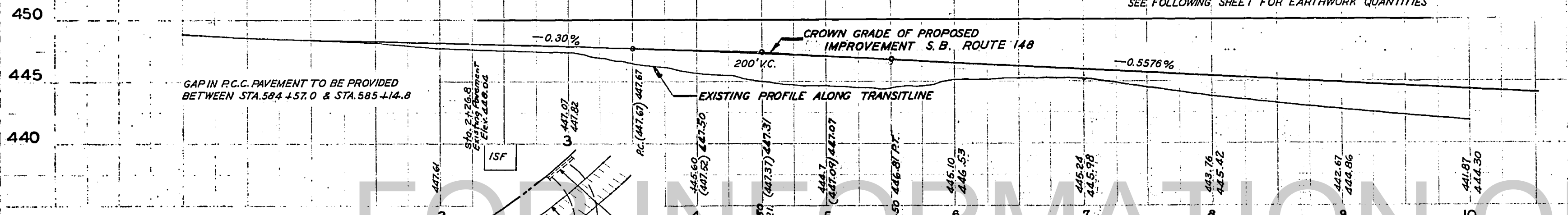
Undersealing shall not be done until the patching and widening have been completed at any gutter location.

PREPARED BY: *M.P.P. Jones*
 EXAMINED BY: *Edw. Borishka*
 CHECKED BY: *R.H. Johnson*
 APPROVED BY: *S.W. Lellan*
 DATE: *March 1, 1958*
And the Seal

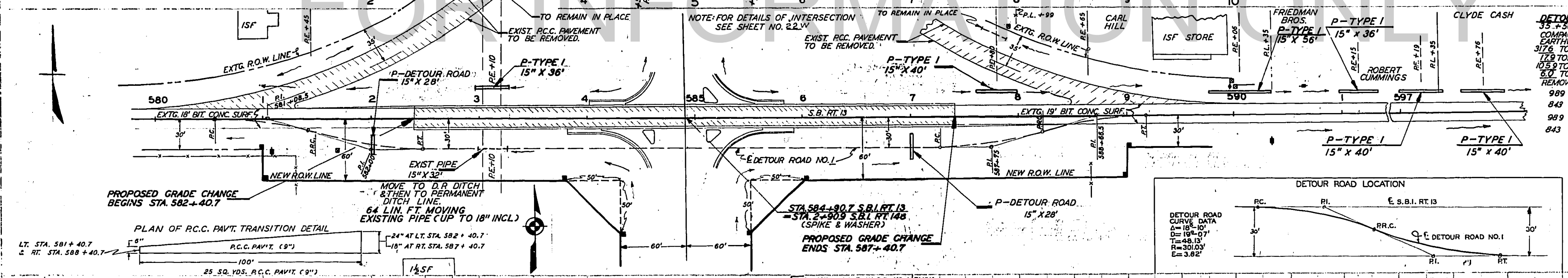




B.M. CUT IN NE CORNER OF 1ST CONC. STEP OF THE NORTH SET OF STEPS 187' RT. STA. 51+00 ELEV. 451.31 (USED ON F.A.S. ROUTE 910 STA. 50+55.2 AHEAD) ELEV. 451.18 (USED ON S.B. ROUTE 148 STA. 2+26.8 AHEAD)

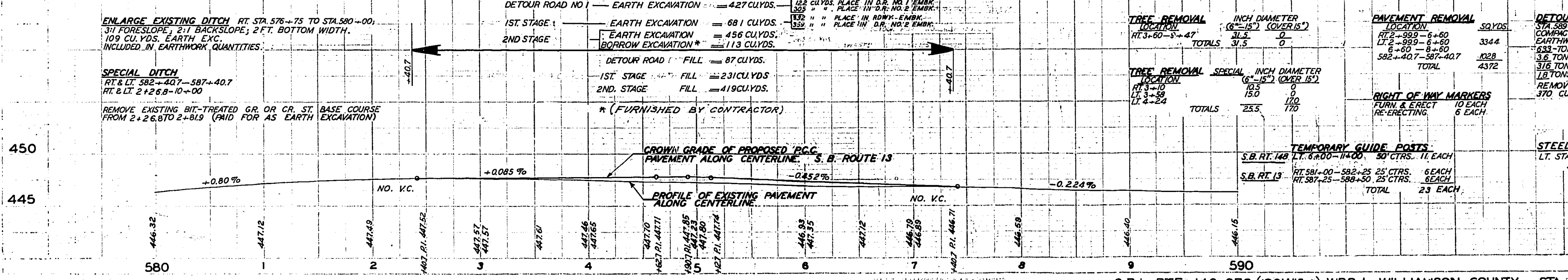


LOCATION	GRADING TYPE	ROW	SIDE APPROACHES		CROWN	TOTAL	CUBIC YDS.	CUBIC YDS. SURFACING	CUBIC YDS. WIDTH	LENGTH	# SEC.	W. SEC.	BITUM. CONC. SURF. CASE SUB-CL. T-11	BITUM. CONC. SURF. CASE SUB-CL. T-11
			EXC.	EMB.										
7+00	PEL	22	10	0	107	16	63	41	15'	10	4	7	7	4
8+00	PEL	22	8	0	118	35	49	33	15'	10	4	7	4	4
9+20	PEL	22	8	0	26	16	49	33	15'	10	4	7	4	4
583+00	PEL	22	8	0	18	16	140	87	15'	10	4	7	4	4
584+00	PEL	22	8	0	18	16	49	33	15'	10	4	7	4	4
587+00	PEL	22	0	0	18	16	70	36	15'	10	4	7	4	4
581+45	PEL	22	1	0	11	16	41	28	15'	10	4	7	4	4
588+65	PEL	41	5	0	18	35	20	36	25	24	9	7	4	4
590+00	PEL	41	4	0	20	35	28	43	20	21	8	7	4	4
591+15	PEL	22	8	11	13	16	35	59	18	10	4	7	4	4
597+19	PEL	22	8	0	30	16	34	23	15	10	4	7	4	4
597+76	PEL	22	10	0	35	16	38	25	15	10	4	7	4	4
TOTAL			11	11	533	166	153	48	49					



DETOUR ROAD NO. 1 RT. STA. 2+71 TO STA. 35+30 SURFACED 20 FT. WIDE BINCHES COMPACTED THICKNESS. EARTHWORK INCLUDED IN BALANCE QUANTITIES. 3176 TONS GR. OR CR. STONE SURF. CASE, TY. A (ORIG. CONST.) 129 TONS CALCIUM CHLORIDE APPLIED. (ORIG. CONST.) 105.9 TONS GR. OR CR. STONE (MAINTENANCE) 50 TONS CALCIUM CHLORIDE APPLIED. (MAINTENANCE) REMOVE AGGREGATE C 1832 CU. YDS. EST. 3 AND USE. 989 CU. YDS. ORIGINAL CONSTRUCTION DETOUR ROAD NO. 4 843 CU. YDS. MAINTENANCE DETOUR ROAD NO. 4 889 CU. YDS. SALVAGED AGGREGATE 843 CU. YDS. STOCKPILING SALVAGED AGGREGATE

NOTE: TEMPORARY BITUMINOUS TRANSITION STA. 7+884 - STA. 9+08.4 TO BE BUILT AS DIRECTED BY THE ENGINEER. THE PLACEMENT (W. SEC.) AND REMOVAL (R.S. SEC.) OF THE TEMPORARY TRANSITION WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.



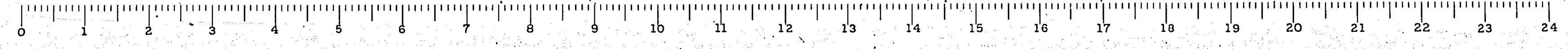
LOCATION	SO. YDS.
RT. 2+50 - 8+60	3344
1+2 - 5+0 - 8+60	3344
6+60 - 8+60	4328
582+407 - 587+407	4328
TOTAL	4328

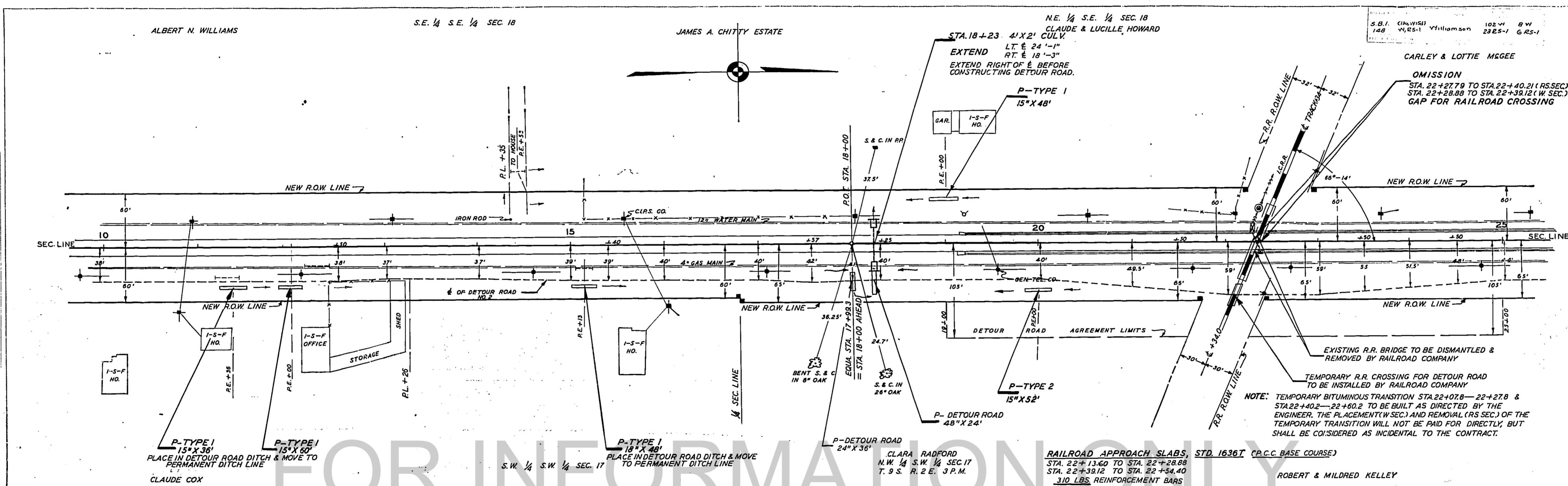
RIGHT OF WAY MARKERS FURN. & ERECT 10 EACH RE-ERECTING 6 EACH

TEMPORARY GUIDE POSTS S.B. RT. 148 LT. 5+00 - 14+00 50 CTRS. 11 EACH S.B. RT. 13 RT. 581+00 - 582+25 25 CTRS. 6 EACH RT. 587+25 - 588+50 25 CTRS. 6 EACH TOTAL 23 EACH

STEEL PLATE BEAM GUARD RAIL LT. STA. 589+00 TO 590+50 SEE SHEET NO. 26 W.

S.B.I. RTE. 148 SEC. (130W15d) WRS-1 WILLIAMSON COUNTY STA. 2+26.8 - 10+00





SIDE APPROACHES GRADING				W SEC.		SURFACING		GR. OR CR. ST. SURF.		AS SEC.	
LOCATION	TYPE	RDWY.	% GRADE	EXC. CU YDS.	EMBK. CU YDS.	WIDTH	LENGTH	CRS. FT.	PRIME COAT	BIT. CONC. SURF.	BIT. CONC. SURF.
11+36	PER.	22	7	0	54	16	49	15	33	10	7
12+00	PER.	41	5	0	81	35	49	15	67	19	7
14+33	PER.	22	15	0	338	16	73	15	47	10	4
15+13	PER.	22	10	0	87	16	49	15	33	10	4
19+00	PER.	22	15	0	456	16	73	15	47	10	4
20+00	PER.	22	10	0	50						
2 MAIL BOX DRIVES				TOTALS							
				1087				227		23	

DETOUR ROAD NO. 2		DETOUR ROAD NO. 1	
1ST. STAGE	EARTH EXCAVATION = 1437 CU. YDS.	1ST. STAGE	EARTH EXCAVATION = 2743 CU. YDS.
2ND. STAGE	EARTH EXCAVATION = 3063 CU. YDS.	2ND. STAGE	EARTH EXCAVATION = 3063 CU. YDS.
1ST. STAGE	FILL = 2248 CU. YDS.	1ST. STAGE	FILL = 18338 CU. YDS.
2ND. STAGE	FILL = 2500 CU. YDS.	2ND. STAGE	FILL = 2500 CU. YDS.

TEMPORARY GUIDE POSTS		RIGHT OF WAY MARKERS		GUIDE POSTS		TREE REMOVAL		TREE REMOVAL - SPECIAL	
RT. 19+50 - 19+00	25' CTRS. 11 EACH	FURNISHING & ERECTING 6 EACH		RT. 15+00 - 18+50	50' CTRS. 9 EACH	RT. 10+18 - 24+97	0	RT. 15+60	130
LT. 19+00 - 26+00	25' CTRS. 29 EACH			RT. 17+00 - 18+50	50' CTRS. 4 EACH	RT. 17+69	0	LT. 16+94	120
TOTAL 40 EACH				TOTAL 12 EACH		RT. 21+50 - 21+55	188.5	LT. 17+90	12.9
						TOTAL	188.5 IN. DIA.	TOTAL	375 IN. DIA.

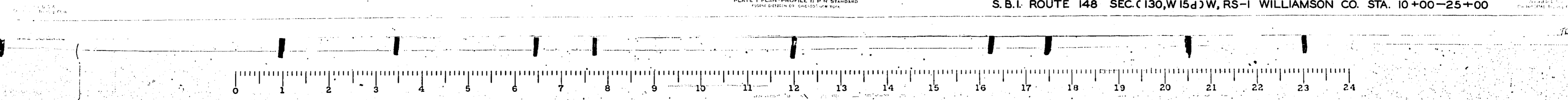
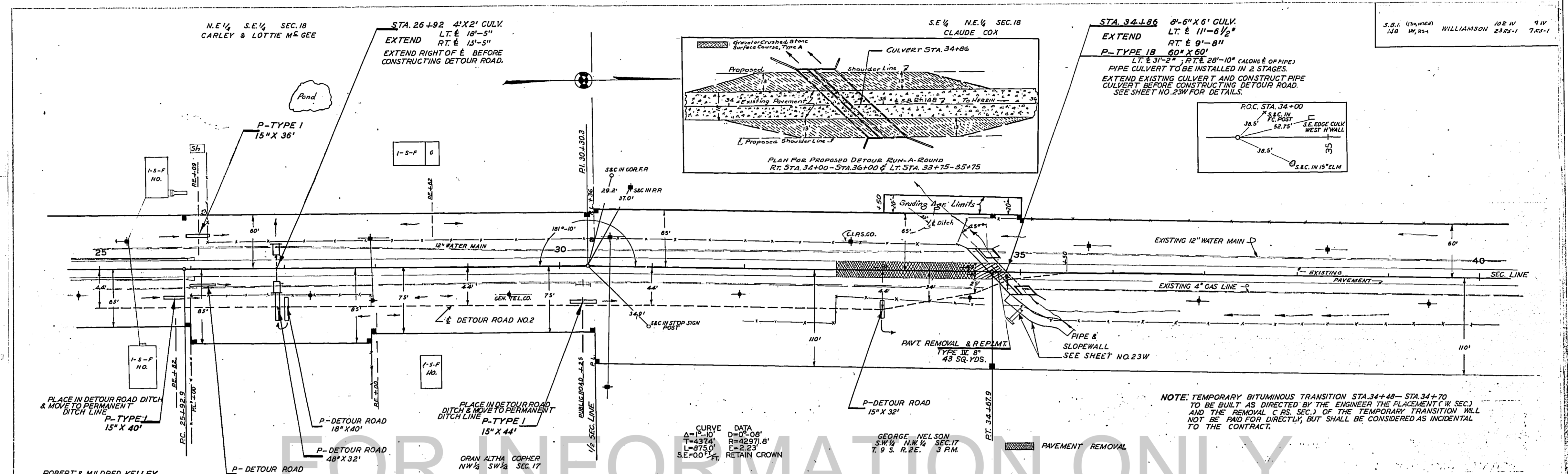


PLATE 1 PLAN, PROFILE & P.P. STANDARD
 S. B. I. ROUTE 148 SEC. 130, W 15 D W, RS-1 WILLIAMSON CO. STA. 10+00-25+00



GAPS IN R.C.C. BASE COURSE TO BE PROVIDED AT THE FOLLOWING LOCATIONS		DETOUR ROAD		EARTH EXCAVATION		FILL		CHANNEL EXCAVATION		EARTH EXCAVATION	
STA.	LOC.	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE
26+00	26+12			1209	1113	181	746	1304		3111	740
28+50	28+65			6724	2296	187	1269			189	85
TOTAL				7933	3409	368	875	1304		3299	825

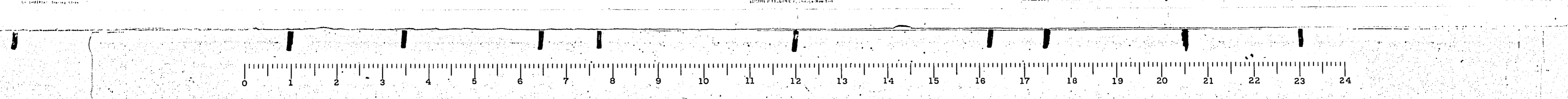
SIDE APPROACHES		W SEC.		RS SEC.						
STA.	TYPE	% GRADE	EXC. CU YDS.	EMB. CU YDS.	WIDTH	LENGTH	RADI	TONS	BT CONC SURF GAL/SM-O	BT CONC SURF GAL/SM-O
25+82	PER	22	0	61	16	58	75	36	10	4
26+00	REL	22	0	54	16	49	15	33	10	4
28+62	REL	22	0	59	16	49	15	33	10	4
30+25	S.R.R.	24	5	70	18	64	35	62	17	20
TOTAL			0	305				205	110	42

GUIDE POSTS		TEMPORARY GUIDE POSTS	
RT & LT	50' CTRS.	RT & LT	25' CTRS.
26+50	27+50	26+50	27+75
TOTAL 6 EACH		28+75	31+75
TOTAL 6 EACH		32+00	33+00
		33+50	35+00
		TOTAL 38 EACH	

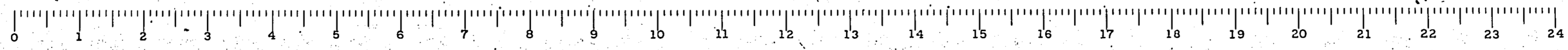
TREE REMOVAL (6" TO 15" DIA) OVER 15' DIA		TRENCH BACKFILL	
RT & LT	50' CTRS.	LOCATION	CU YDS.
26+50	27+45	34+74	25
28+35	29+10	TOTAL	25
33+37	34+00		
33+90	34+00		
TOTAL 198			

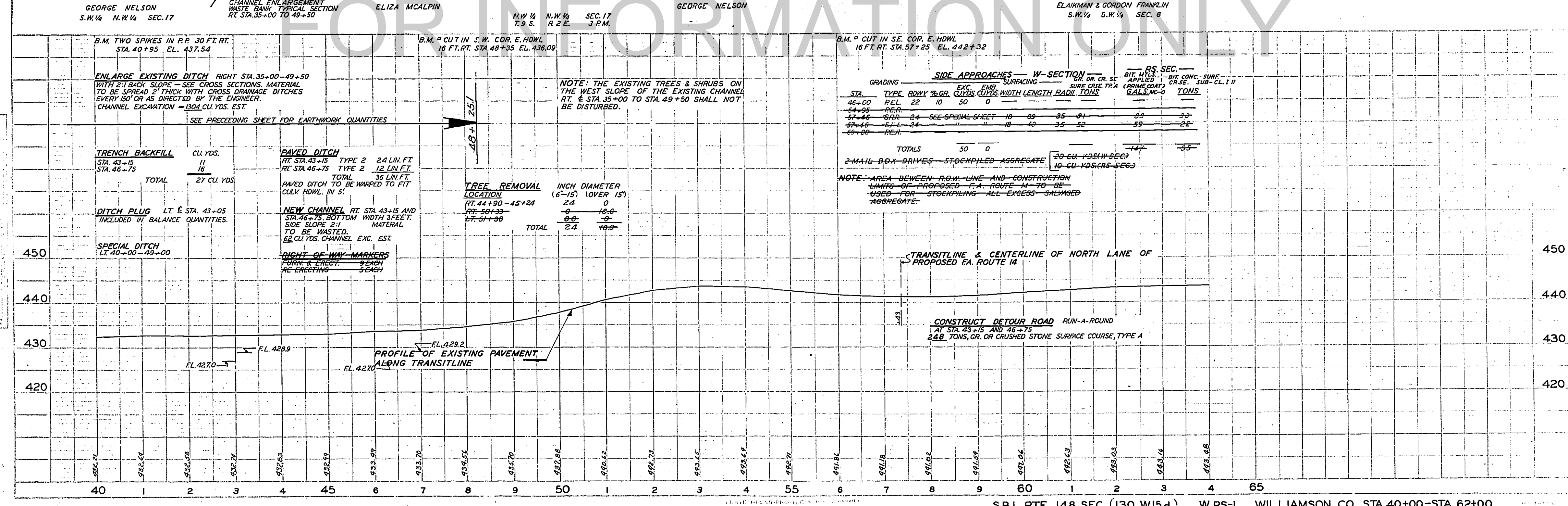
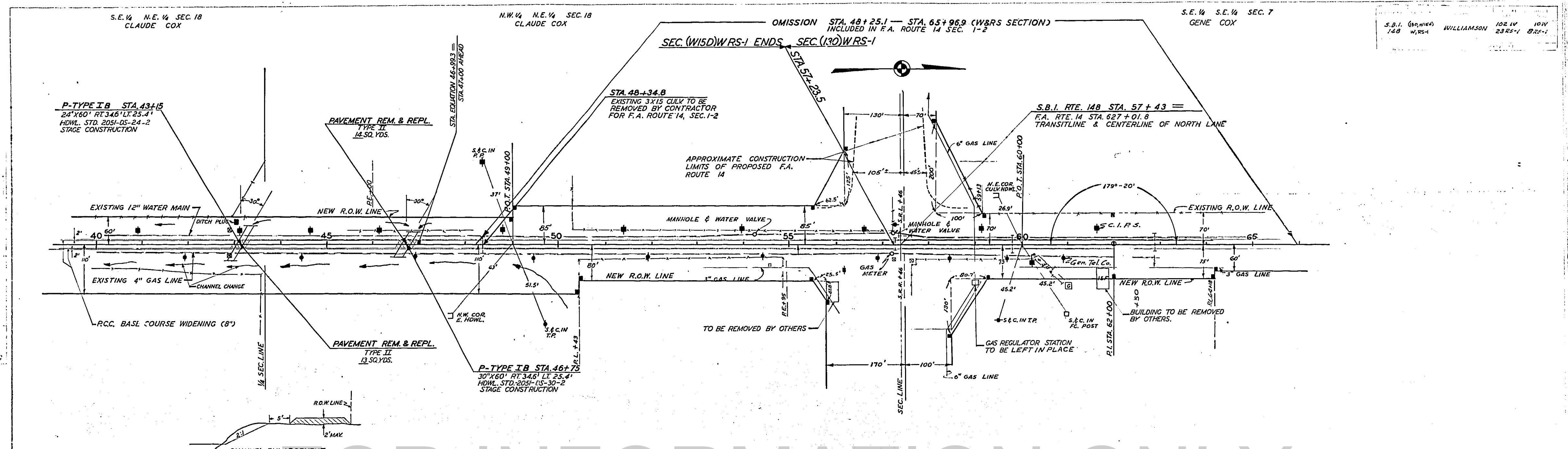
PAVEMENT REMOVAL	
STA.	CU YDS.
33+00	34+48
TOTAL 296 SQ YDS.	

RIGHT OF WAY MARKERS	
LOCATION	CONC. REIN. BARS
LT 34+30	1
TOTAL	1



S.B.I. RTE. 148 SEC. C130, W15 d J, WS-I WILLIAMSON CO. STA. 25+00 - STA. 40+00





STATION	TYPE	ADJY	3/4 CR.	EMR	FINISH	W/TH	LENGTH	BADLY	TONS	RS. SEC.	BIT. MILES	1-BIT CONC.	SURF.	CR. TR. A	CR. SUB-CL. II	CALL	MC-3	TONS	
46+00	REL.	22	10	50	0														
46+05	REL.	24	50	10	05	25	01		00										
47+45	SHR.	24	50	10	05	25	01		00										
47+46	SHR.	24	50	10	05	25	01		00										
48+00	REL.	24	50	10	05	25	01		00										
TOTALS										50	0								55

GEORGE NELSON S.W. 1/4 N.W. 1/4 SEC. 17 T. 9 S. R. 2 E. 3 P.M.

ELIZA MCALPIN

ELAKMAN & GORDON FRANKLIN S.W. 1/4 S.W. 1/4 SEC. 8

TRANSITLINE & CENTERLINE OF NORTH LANE OF PROPOSED F.A. ROUTE 14

CONSTRUCT DETOUR ROAD RUN-A-ROUND AT STA. 43+15 AND 46+75 2-8\"/>

FOR INFORMATION ONLY

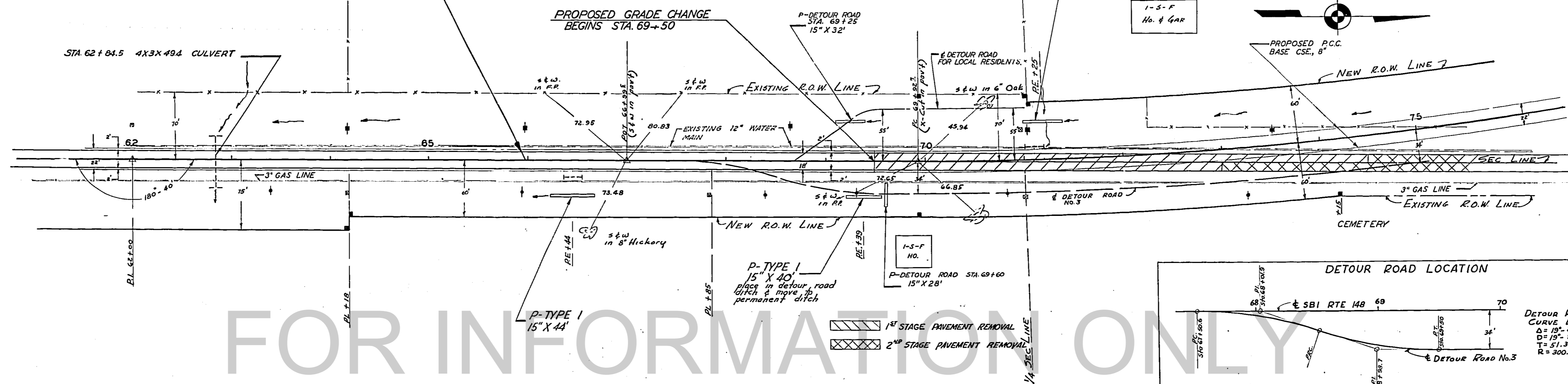
OMISSION STA. 48+28.1 — STA. 65+96.9 (W&RS SECTION)
INCLUDED IN F.A. ROUTE 14 SEC. 1-2

S.E. 1/4 S.E. 1/4 SEC. 7
T 9 S R 2 E 3 PM GENE COX

SEE NEXT SHEET FOR CURVE
AND SUPERELEVATION DATA

N.E. 1/4 S.E. 1/4 SEC. 7
T 9 S R 2 E 3 PM

S.B.I. (S&W) WILLIAMSON 102 W 11 W
140 W, RS-1 23 RS-1 9 AS-1



EL. AIKMAN & GORDON FRANKLIN

HERMAN JAMES

S.W. 1/4 S.W. 1/4 SEC. 8
T 9 S R 2 E 3 PM

ROSIE LEAR

N.W. 1/4 S.W. 1/4 SEC. 8
T 9 S R 2 E 3 PM

B.M. CUT IN S.E. COR.
E. HDWL. CULV. 16' RT.
STA. 57+25 ELEV. 442.32

B.M. 2 SPIKES IN PP
STA. 65+98 ELEV. 443.06

DETOUR ROAD — EARTH EXCAVATION = 396 CU. YDS.
1ST STAGE — EARTH EXCAVATION = 2560 CU. YDS.
2ND STAGE — EARTH EXCAVATION = 8318 CU. YDS.
DETOUR ROAD — FILL = 4041 CU. YDS.
1ST STAGE — FILL = 16254 CU. YDS.
2ND STAGE — FILL = 4050 CU. YDS.
OH. = 175878 CU. YDS.

1550 CU. YDS. PLACE IN ROWY ENBK.
2217 CU. YDS. PLACE IN DR. ENBK.
ANY EXCESS MATERIAL SHALL
BE WASTED. (SEE SPEC. PROJ.)

DETOUR ROAD NO. 3 RT. STA. 67+506 TO STA. 75+00
SURFACED TO FEET WIDE, 8 INCHES COMPACTED THICKNESS.
CARTHWOR INCLUDED IN BALANCE QUANTITIES.
451 CU. YDS. SALVAGED AGGREGATE (OBTAINED FROM DR. NO. 6) — ORIGINAL CONSTRUCTION
3.2 TONS CALCIUM CHLORIDE APPLIED
231 CU. YDS. STOCKPILED AGGREGATE — MAINTENANCE
1 TON CALCIUM CHLORIDE APPLIED
REMOVE AGGREGATE (345 CU. YDS. ESTIMATED) AND STOCKPILE;
346 CU. YDS. STOCKPILED SALVAGED AGGREGATE
231 CU. YDS. STOCKPILED AGGREGATE

CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS
1/2" X 1/2" STEEL WIRE 4 INCHES THICK UNCOMPACTED
3 TONS GR. OR CR. STONE SURFACE COURSE, TYPE B.

STA.	TYPE	ROW	SIDE APPROACHES		W SEC		RS SEC	
			EXC.	EMB.	GR. OR CR. ST.	BIT. MTL.	GR. OR CR. ST.	BIT. MTL.
69+44	P.E.A.	22	4	0	67	16	49	15
69+39	P.E.A.	22	7	4	43	16	49	15
71+25	P.E.L.	22	5	0	54	16	49	15
TOTALS			4	164			99	30

TEMPORARY GUIDE POSTS
RT. STA. 68+50 — 69+50 25 FT. CTRS. 5 EACH
RT. STA. 73+50 — 74+50 25 FT. CTRS. 3 EACH
TOTAL 8

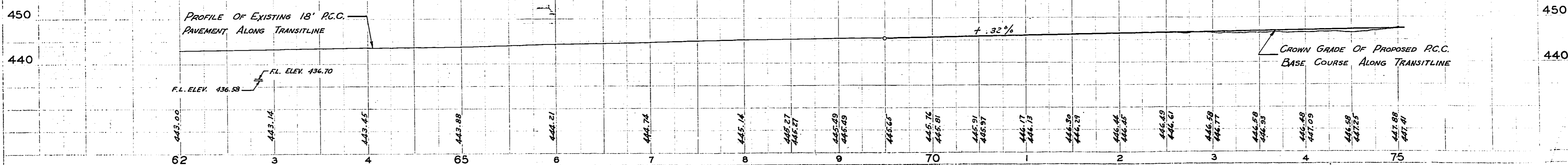
RIGHT OF WAY MARKERS
FURN. & ERECT. 6 EACH
RE-ERECTING 5 EACH

PAVEMENT REMOVAL
LOCATION
RT. STA. 69+50 — 73+00 (E.W. LANE) 100
RT. STA. 73+00 — 74+50 (E. LANE) 150
RT. STA. 74+50 — 75+00 (E.W. LANE) 100
TOTALS 1100 SQ. YDS.

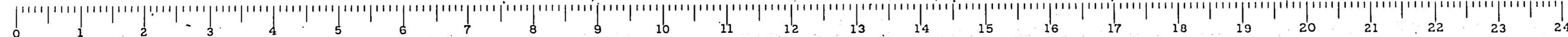
SPECIAL DITCH
LT. & RT. 63+00 — 67+50

TREE REMOVAL
LOCATION
RT. & LT. 62+68 — 71+80
TOTAL 74.5 0

TREE REMOVAL (SPECIAL)
LOCATION
RT. STA. 69+52
RT. 69+77
RT. 69+83
RT. 69+97
RT. 70+24
TOTAL 48.0 0



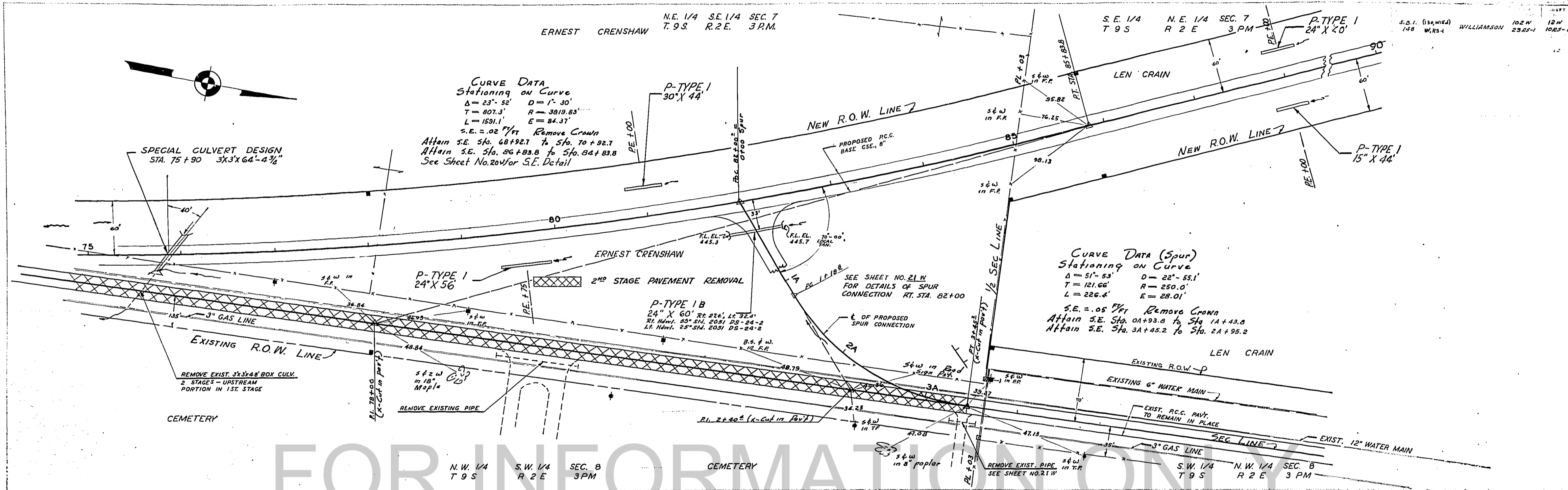
S.B.I. RTE. 148 SEC. (130 W 15d) W, RS-1 WILLIAMSON CO. STA. 62+00 — 75+00



ERNEST CRENSHAW N.E. 1/4 SE. 1/4 SEC. 7
T. 9 S. R. 2 E. 3 P.M.

S.E. 1/4 N.E. 1/4 SEC. 7
T. 9 S. R. 2 E. 3 P.M.

S.B. 1. (130, W15 d) W, RS-1 WILLIAMSON CO. STA. 75+00 - 90+00



CURVE DATA
Stationing on Curve
 $\Delta = 23^\circ 52'$ $D = 1^\circ 30'$
 $T = 807.3'$ $R = 3819.85'$
 $L = 1931.1'$ $E = 84.31'$
S.E. = .02 %
Remove Crown
Affain S.E. Sta. 68+92.7 to Sta. 70+92.7
Affain S.E. Sta. 96+83.8 to Sta. 94+83.8
See Sheet No. 204 for S.E. Detail

CURVE DATA (Spur)
Stationing on Curve
 $\Delta = 51^\circ 53'$ $D = 25^\circ 55.1'$
 $T = 121.66'$ $R = 250.0'$
 $L = 226.4'$ $E = 28.01'$
S.E. = .05 %
Remove Crown
Affain S.E. Sta. 04+93.8 to Sta. 14+43.8
Affain S.E. Sta. 31+42.2 to Sta. 24+95.2

B.M. 13 CUT IN S.E. COR.
E. HDWL. CULV. 60 FT.
STA. 75+35 ELEV. 448.37

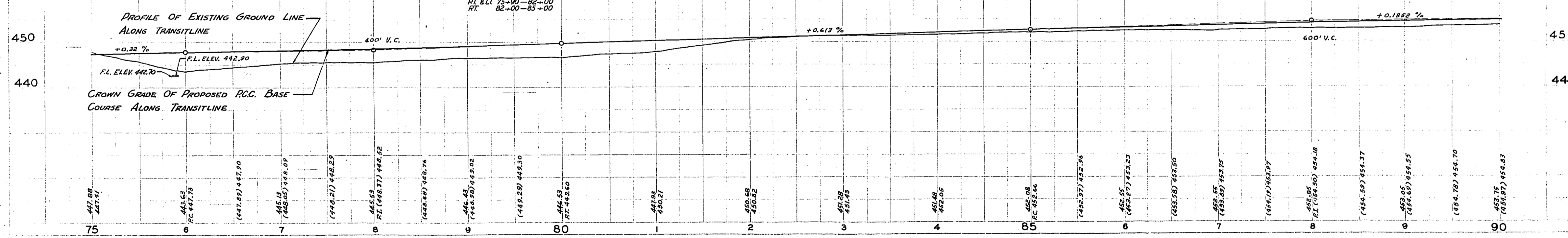
FOR INFORMATION ONLY

SEE PRECEDING SHEET FOR EARTHWORK QUANTITIES

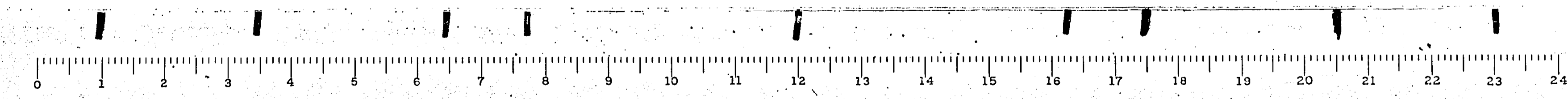
STA.	TYPE	SIDE APPROACHES			W SEC.		RS SEC.		RIGHT OF WAY MARKERS			
		CR. OR CRST.	APPLIED SURF. DISE.	BIT MTL'S	BIT CONC.	5' EACH	1' EACH	5' EACH	1' EACH			
79+75	PER.	28	4	0	91	22	150	35	142	24	9	
81+00	PER.	22	5	0	52							
82+00	SPUR CONN.	605	80									
88+00	PER.	22	10	0	54							
88+00	PER.	22	5	0	53							
	TOTAL				605	320			142	24	9	

DITCH PLUS LT. 75+00 INCLUDED IN BAL. QUAN.

SPECIAL DITCH
RT. & LT. 75+90 - 88+00
RT. 82+00 - 85+00

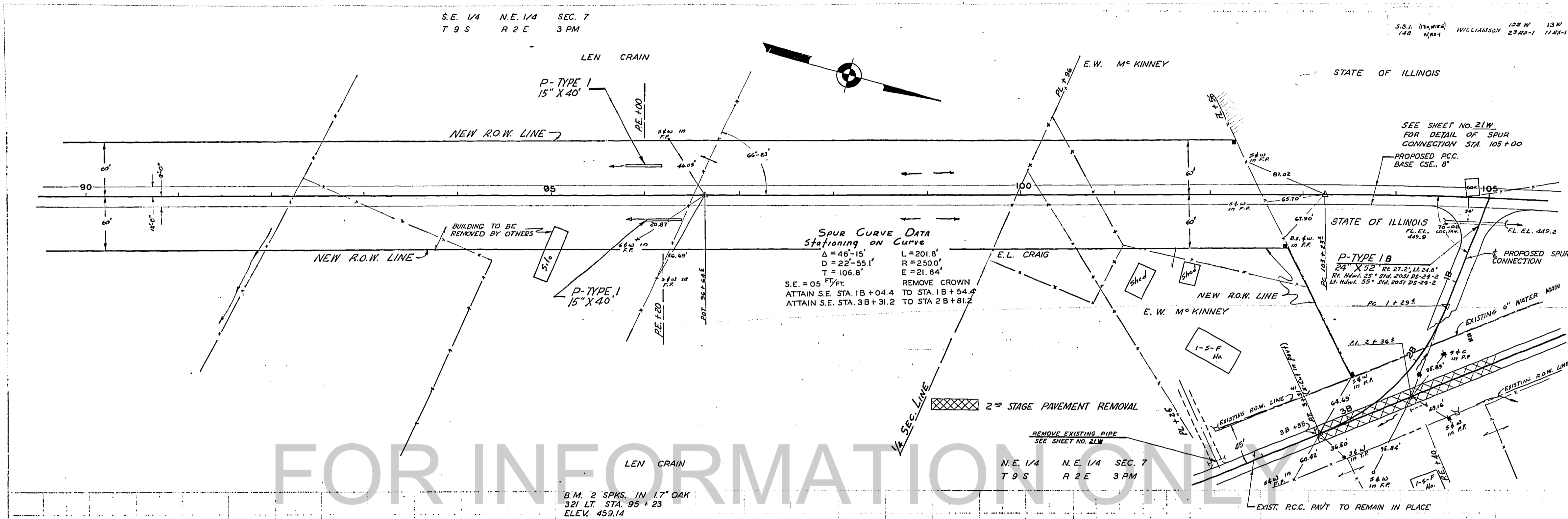


S.B. 1. RTE. 148 SEC. (130, W15 d) W, RS-1 WILLIAMSON CO. STA. 75+00 - 90+00



S.E. 1/4 N.E. 1/4 SEC. 7
T 9 S R 2 E 3 PM

S.O.I. (130, W15d) WILLIAMSON CO. STA. 90+00 - 105+00
148 WRS-1



FOR INFORMATION ONLY

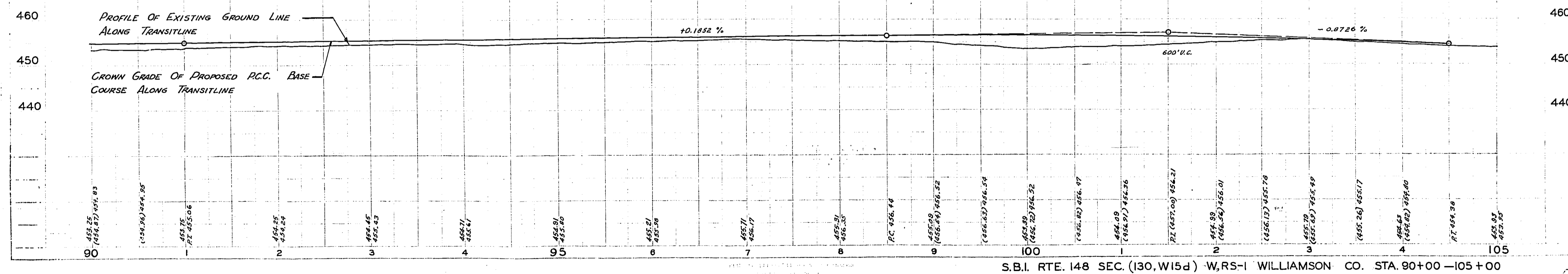
SIDE APPROACHES						W SEC.		RS SEC.		
STATION	TYPE	ROW	BLDG.	CURBS	WIDTH	LENGTH	RAIL	TONS	TONS	
96+00	REL.	22	0	37	15	33		10	4	
96+20	P.E.R.	22	10	35	16	49	15	33	10	
103+00	SPUR CONNECTION	874	65	35	15	23		10	4	
28+40(SPUR)	REL.	22	0	9	16	15		23	10	
TOTAL						874	146	56	20	8

PAVEMENT REMOVAL		SOYDS
LOCATION	QUANTITY	
RT. 95+00 - 105+00	392	392 (Second Stage)
TOTAL		392

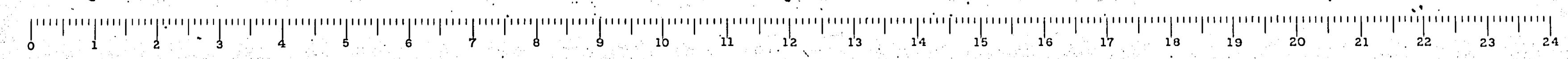
TREE REMOVAL		INCH DIAMETER
LOCATION	QUANTITY	(6"-15" OVER 15')
RT. 95+48	7	0
TOTAL	7	0

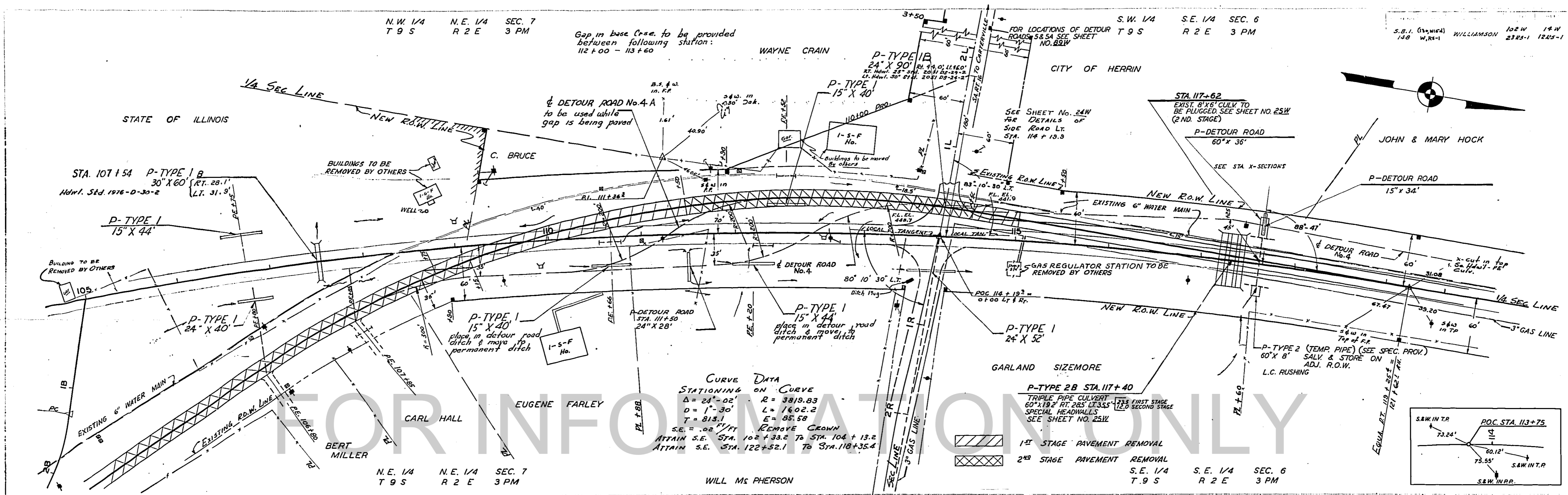
RIGHT OF WAY MARKERS
FURN. & ERECT. EACH
RE-ERECTING 2 EACH

SPECIAL DITCH
RT. & LT. 90+00 - 105+00



S.B.I. RTE. 148 SEC. (130, W15d) WRS-1 WILLIAMSON CO. STA. 90+00 - 105+00



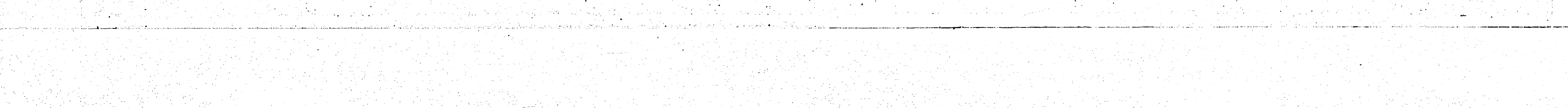
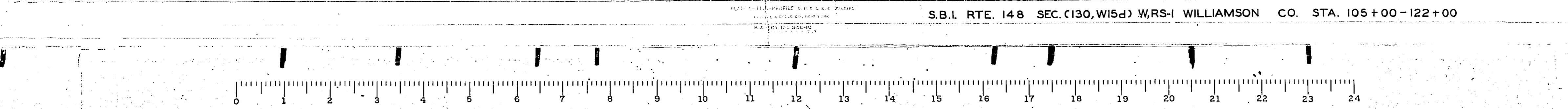


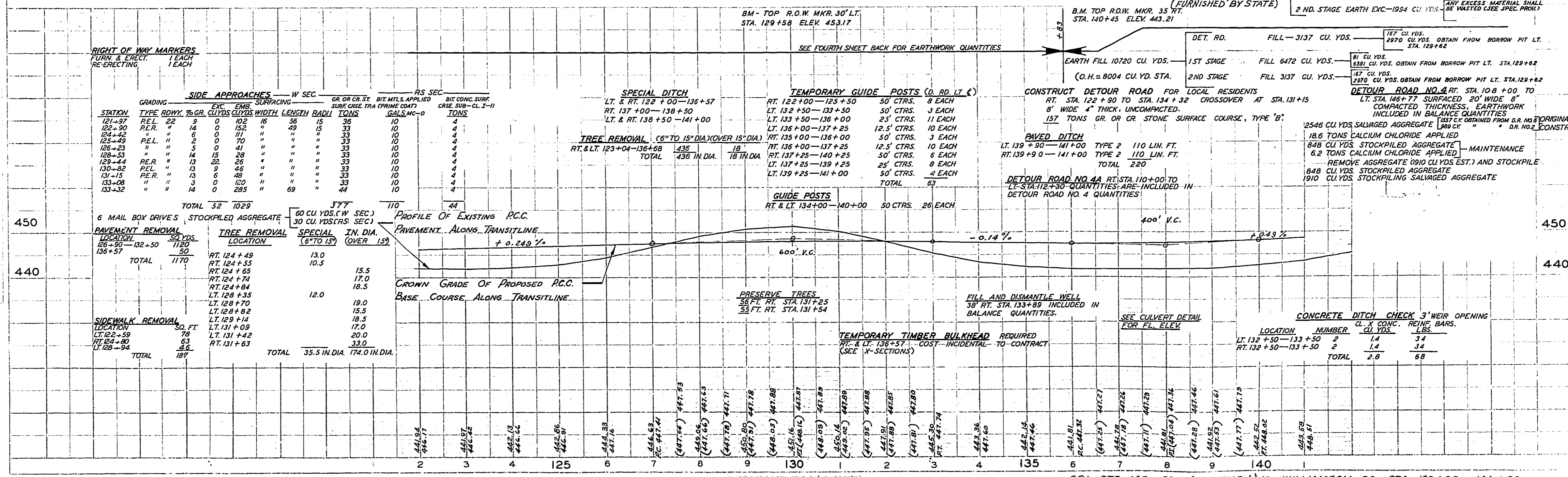
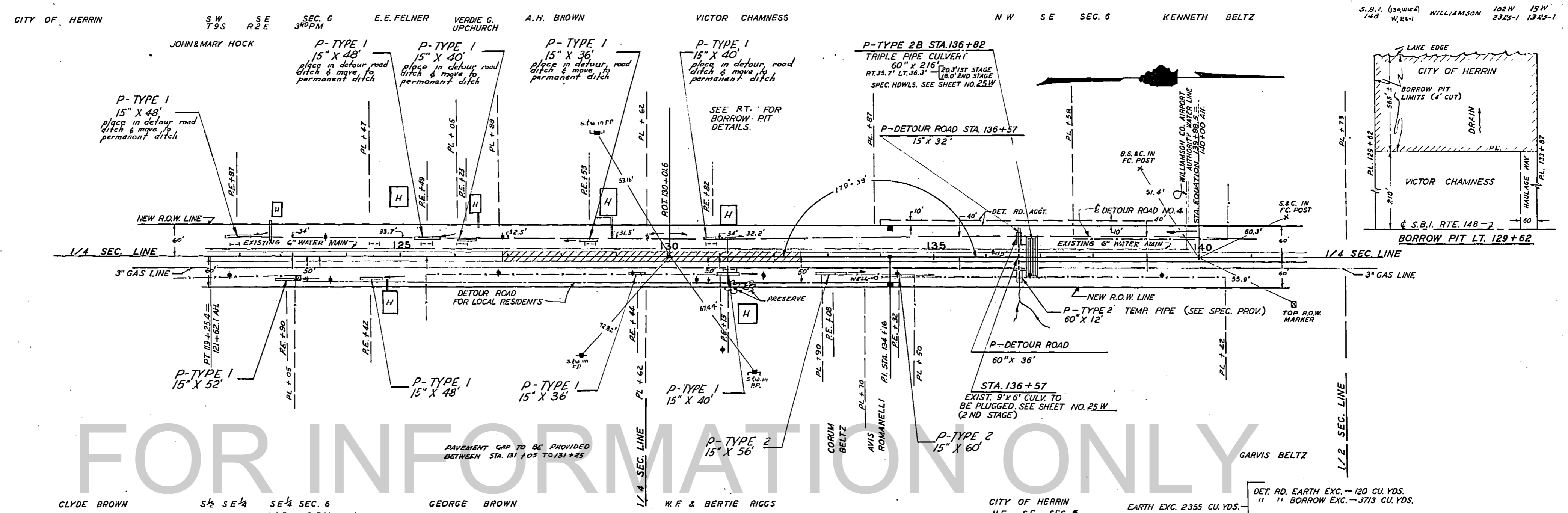
SIDE APPROACHES		W SEC.		R2 SEC.		PAVEMENT REMOVAL		TREE REMOVAL		TEMPORARY GUIDE POSTS (D. RD. LT. &)		DETOUR ROAD NO. 4 SEE FOLLOWING SHEET.	
STATION	TYPE	ROWY	% GR.	CU YDS	WIDTH	LENGTH	BAID	TONS	LOCATION	INCH DIAMETER	LOCATION	QUANTITY	DESCRIPTION
105-80	P.E.R.	22	0	33	16	65	15	66	RT. & LT. 105+00-109+15	8.00	RT. & LT. 105+04-121+65	2080	32.5
107-85	P.E.R.	22	0	43	16	58	15	36	LT. 109+50-114+30	2080	11.8	12.8	
110-86	P.E.R.	22	6	91	16	48	15	35	LT. 109+50-111+30	2080	10.0	10.0	
112-89	P.E.R.	22	6	70	16	48	15	35	LT. 114+00-115+20	2080	10.0	10.0	
114-92	P.E.L.	22	8	46	16	60	15	42	RT. 114+90-115+60	2080	70 LIN. FT.	70 LIN. FT.	
116-90	S.P.R.	24	4	89	24.3	18	189	35	126	60	4	4	
116+20	S.R.L.	22	5	0	93	16	49	15	33	60	4	4	
106+75	P.E.L.	22	5	0	93	16	49	15	33	60	4	4	
TOTAL				102	589			367	120				

STATION	TYPE	ROWY	% GR.	CU YDS	WIDTH	LENGTH	BAID	TONS	
105-80	P.E.R.	22	0	33	16	65	15	66	
107-85	P.E.R.	22	0	43	16	58	15	36	
110-86	P.E.R.	22	6	91	16	48	15	35	
112-89	P.E.R.	22	6	70	16	48	15	35	
114-92	P.E.L.	22	8	46	16	60	15	42	
116-90	S.P.R.	24	4	89	24.3	18	189	35	
116+20	S.R.L.	22	5	0	93	16	49	15	
106+75	P.E.L.	22	5	0	93	16	49	15	
TOTAL				102	589			367	120

STATION	TYPE	ROWY	% GR.	CU YDS	WIDTH	LENGTH	BAID	TONS	
105-80	P.E.R.	22	0	33	16	65	15	66	
107-85	P.E.R.	22	0	43	16	58	15	36	
110-86	P.E.R.	22	6	91	16	48	15	35	
112-89	P.E.R.	22	6	70	16	48	15	35	
114-92	P.E.L.	22	8	46	16	60	15	42	
116-90	S.P.R.	24	4	89	24.3	18	189	35	
116+20	S.R.L.	22	5	0	93	16	49	15	
106+75	P.E.L.	22	5	0	93	16	49	15	
TOTAL				102	589			367	120

STATION	TYPE	ROWY	% GR.	CU YDS	WIDTH	LENGTH	BAID	TONS	
105-80	P.E.R.	22	0	33	16	65	15	66	
107-85	P.E.R.	22	0	43	16	58	15	36	
110-86	P.E.R.	22	6	91	16	48	15	35	
112-89	P.E.R.	22	6	70	16	48	15	35	
114-92	P.E.L.	22	8	46	16	60	15	42	
116-90	S.P.R.	24	4	89	24.3	18	189	35	
116+20	S.R.L.	22	5	0	93	16	49	15	
106+75	P.E.L.	22	5	0	93	16	49	15	
TOTAL				102	589			367	120





RIGHT OF WAY MARKERS
FURN. & ERECT. 1 EACH
RE-ERECTING 1 EACH

STATION	GRADING	TYPE	ROW	NO.	GR.	EMR.	CL.	WIDTH	LENGTH	RADI	TONS	GA.	MC-P	TONS
121+97	REL.	22	3	0	102	6	56	15	36		10	4		
122+90	PE.R.	"	"	14	0	152	"	49	15	33	10	4		
124+42	"	"	"	5	0	117	"	"	"	33	10	4		
125+49	PE.L.	"	"	5	0	70	"	"	"	33	10	4		
126+23	"	"	"	5	0	41	"	"	"	33	10	4		
128+53	"	"	"	14	15	28	"	"	"	33	10	4		
129+44	PE.R.	"	"	13	22	26	"	"	"	33	10	4		
130+82	PE.L.	"	"	13	9	45	"	"	"	33	10	4		
131+15	PE.R.	"	"	13	6	48	"	"	"	33	10	4		
133+08	"	"	"	3	0	120	"	"	"	33	10	4		
133+32	"	"	"	14	0	283	"	69		44	10	4		

TOTAL 52 1029

6 MAIL BOX DRIVES STOCKPILED AGGREGATE 30 CU. YDS. (W. SEC.)
30 CU. YDS. (RS. SEC.)

PAVEMENT REMOVAL
LOCATION 30 YDS.
122+30 02+50 1120
136+57 50
TOTAL 1170

TREE REMOVAL
LOCATION SPECIAL IN. DIA. (6" TO 15")
LOCATION OVER 15"

RT. 124+49 13.0
RT. 124+55 10.5
RT. 124+65 17.0
RT. 124+74 18.5
RT. 128+35 12.0
LT. 128+70 19.0
LT. 128+82 15.5
LT. 129+14 19.5
LT. 131+09 20.0
LT. 131+42 33.0
RT. 131+63 33.0
TOTAL 35.5 IN DIA. 174.0 IN DIA.

SIDEWALK REMOVAL
LOCATION 50 FT.
LT. 122+59 78
RT. 124+49 63
LT. 128+94 46
TOTAL 187

SPECIAL DITCH
LT. & RT. 122+00-123+57
RT. 127+00-128+50
LT. & RT. 138+50-141+00

TEMPORARY GUIDE POSTS (O. R. D. L.)
RT. 122+00-123+50 50 CTRS. 8 EACH
LT. 122+50-123+50 50 CTRS. 3 EACH
LT. 136+00-137+25 12.5' CTRS. 11 EACH
LT. 137+00-138+00 50' CTRS. 10 EACH
RT. 135+00-136+00 50' CTRS. 3 EACH
RT. 136+00-137+25 12.5' CTRS. 10 EACH
RT. 137+25-138+25 50' CTRS. 6 EACH
LT. 137+25-138+25 25' CTRS. 8 EACH
LT. 139+25-141+00 50' CTRS. 4 EACH
TOTAL 63

GUIDE POSTS
RT. & LT. 134+00-140+00 50 CTRS. 26 EACH

PAVED DITCH
LT. 123+30-124+00 TYPE 2 110 LIN. FT.
RT. 139+90-141+00 TYPE 2 110 LIN. FT.
TOTAL 220

DETOUR ROAD NO. 4 RT. STA. 110+00 TO LT. STA. 112+30 QUANTITIES ARE INCLUDED IN DETOUR ROAD NO. 4 QUANTITIES

CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS
RT. STA. 122+90 TO STA. 134+32 CROSSOVER AT STA. 131+15
8' WIDE 4" THICK UNCOMPACTED
152 TONS GR. OR CR. STONE SURFACE COURSE, TYPE 'B'

DETOUR ROAD NO. 2 STA. 108+00 TO LT. STA. 104+77 SURFACED 20' WIDE 8" COMPACTED THICKNESS, EARTHWORK INCLUDED IN BALANCE QUANTITIES
1537 CU. YDS. O.B. OR NO. 2 CONSTR.
12546 CU. YDS. SALVAGED AGGREGATE APPLIED
18.6 TONS CALCIUM CHLORIDE APPLIED
848 CU. YDS. STOCKPILED AGGREGATE MAINTENANCE
6.2 TONS CALCIUM CHLORIDE APPLIED
REMOVE AGGREGATE 0910 CU. YDS. EST. AND STOCKPILE
848 CU. YDS. STOCKPILED AGGREGATE
1918 CU. YDS. STOCKPILED SALVAGED AGGREGATE

PROFILE OF EXISTING P.C.C.
PAVEMENT ALONG TRANSITLINE
+0.249 %

CROWN GRADE OF PROPOSED P.C.C.
BASE COURSE ALONG TRANSITLINE

PRESERVE TREES
56 FT. RT. STA. 131+25
55 FT. RT. STA. 131+25

FILL AND DISMANTLE WELL
38 FT. STA. 133+99 INCLUDED IN BALANCE QUANTITIES.

TEMPORARY TIMBER BULKHEAD REQUIRED
RT. & LT. 136+57 COST INCIDENTAL TO CONTRACT (SEE X-SECTIONS)

CONCRETE DITCH CHECK 3" WEIR OPENING

LOCATION	NUMBER	CU. YDS.	REIN. BARS.
LT. 132+50-133+50	2	14	34
RT. 132+50-133+50	2	14	34
TOTAL	2,8	28	68

DET. RD. EARTH EXC. - 120 CU. YDS.
" " BORROW EXC. - 3713 CU. YDS.
1ST. STAGE EARTH EXC. - 120 CU. YDS.
BORROW EXC. - 7989 CU. YDS.
2ND. STAGE EARTH EXC. - 1994 CU. YDS.
[ANY EXCESS MATERIAL SHALL BE WASTED C.F.E. SPEC. PROJ.]

DET. RD. FILL - 3137 CU. YDS.
1ST. STAGE FILL 6472 CU. YDS.
2ND. STAGE FILL 3137 CU. YDS.
187 CU. YDS. OBTAIN FROM BORROW PIT LT. STA. 129+62
81 CU. YDS. OBTAIN FROM BORROW PIT LT. STA. 129+62
183 CU. YDS. OBTAIN FROM BORROW PIT LT. STA. 129+62
167 CU. YDS. OBTAIN FROM BORROW PIT LT. STA. 129+62
2270 CU. YDS. OBTAIN FROM BORROW PIT LT. STA. 129+62

RIGHT OF WAY MARKERS
FURN. & ERECT. 1 EACH
RE-ERECTING 1 EACH

PAVED DITCH
LT. 123+30-124+00 TYPE 2 110 LIN. FT.
RT. 139+90-141+00 TYPE 2 110 LIN. FT.
TOTAL 220

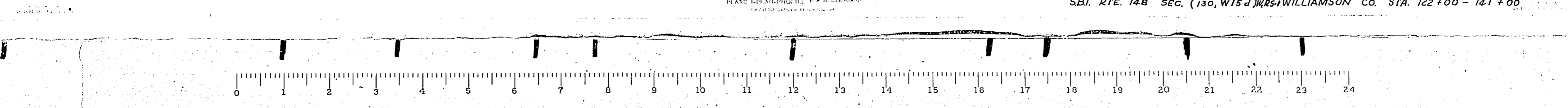
DETOUR ROAD NO. 4 RT. STA. 110+00 TO LT. STA. 112+30 QUANTITIES ARE INCLUDED IN DETOUR ROAD NO. 4 QUANTITIES

CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS
RT. STA. 122+90 TO STA. 134+32 CROSSOVER AT STA. 131+15
8' WIDE 4" THICK UNCOMPACTED
152 TONS GR. OR CR. STONE SURFACE COURSE, TYPE 'B'

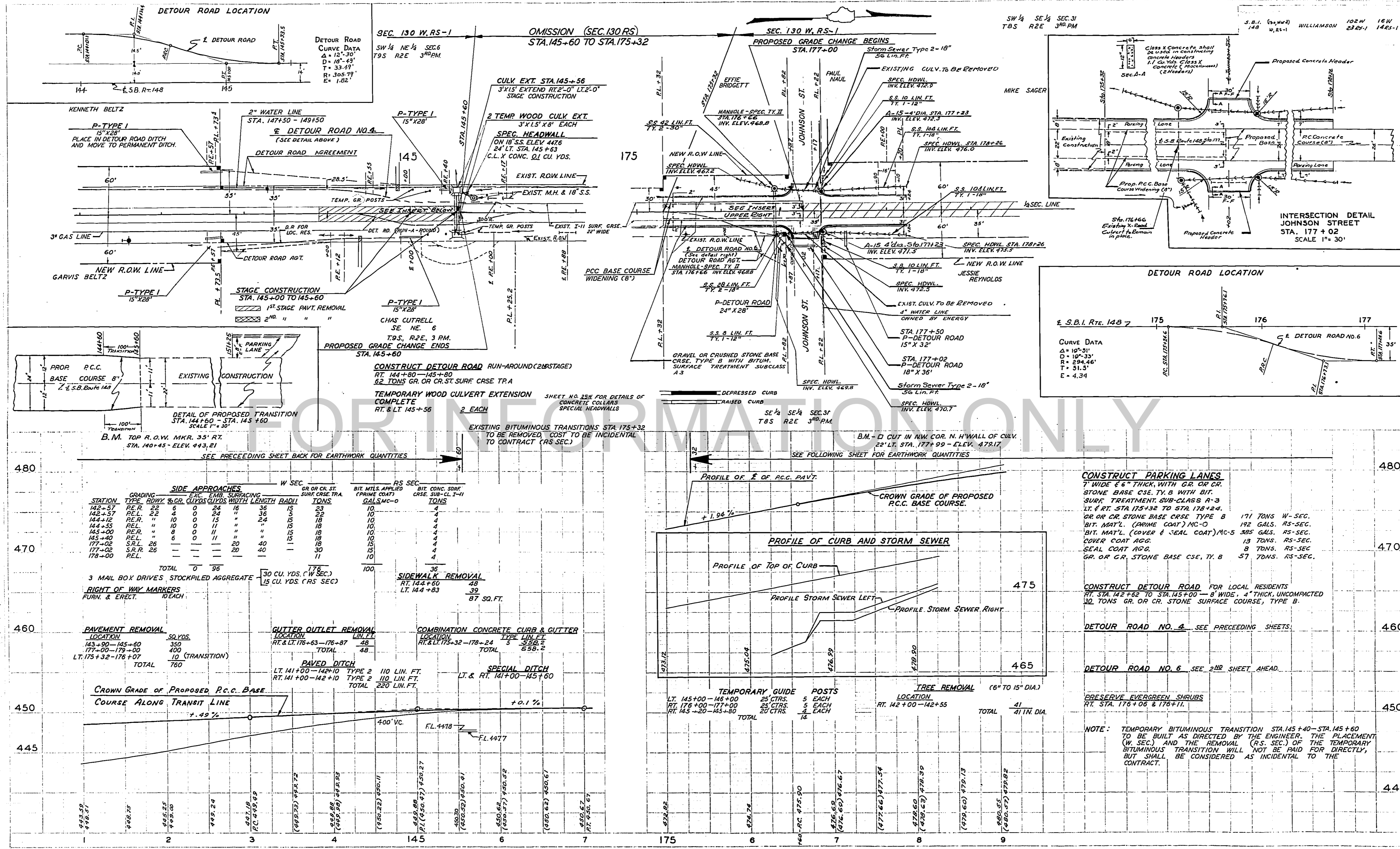
DETOUR ROAD NO. 2 STA. 108+00 TO LT. STA. 104+77 SURFACED 20' WIDE 8" COMPACTED THICKNESS, EARTHWORK INCLUDED IN BALANCE QUANTITIES
1537 CU. YDS. O.B. OR NO. 2 CONSTR.
12546 CU. YDS. SALVAGED AGGREGATE APPLIED
18.6 TONS CALCIUM CHLORIDE APPLIED
848 CU. YDS. STOCKPILED AGGREGATE MAINTENANCE
6.2 TONS CALCIUM CHLORIDE APPLIED
REMOVE AGGREGATE 0910 CU. YDS. EST. AND STOCKPILE
848 CU. YDS. STOCKPILED AGGREGATE
1918 CU. YDS. STOCKPILED SALVAGED AGGREGATE

CONCRETE DITCH CHECK 3" WEIR OPENING

LOCATION	NUMBER	CU. YDS.	REIN. BARS.
LT. 132+50-133+50	2	14	34
RT. 132+50-133+50	2	14	34
TOTAL	2,8	28	68



S.B.I. RTE. 148 SEC. (130, W15) WRS-1 WILLIAMSON CO. STA. 122+00 - 141+00



STATION	GRADING	SIDE APPROACHES		W SEC.		RS SEC.		
		TYPE	ROW	GR. CUTS	CL. CUTS	GR. OR CR. ST. SURF. CRSE. TP. A	BIT. CONC. SURF. CRSE. SUB-CL. T-1	BIT. CONC. SURF. CRSE. SUB-CL. T-1
142+57	P.R.	22	6	0	24	16	36	15
142+57	REL.	2	4	0	54	36	22	10
144+12	P.R.	10	0	15	2	18	10	4
144+55	REL.	10	0	11	11	15	18	10
145+00	REL.	8	0	11	11	15	18	10
145+40	REL.	6	0	11	11	15	18	10
177+02	S.R.	26	0	20	40	30	15	4
178+00	REL.	1	0	20	40	11	10	4
TOTAL		0	96			176	36	100

LOCATION	SO. YDS.	AMOUNT	REMARKS
143+00-145+80	350	30 CU. YDS.	(W. SEC.)
177+00-179+00	400	15 CU. YDS.	(RS. SEC.)
LT. 175+32-176+07	10 (TRANSITION)		
TOTAL	760		

LOCATION	LINE	TYPE	AMOUNT
143+00-145+80	RT.	176	30
177+00-179+00	LT.	176	15
LT. 175+32-176+07	TRANSITION		
TOTAL			45

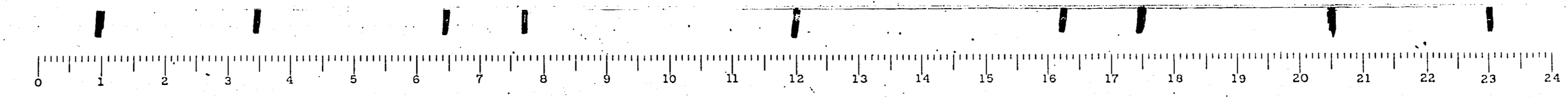
LOCATION	LINE	TYPE	AMOUNT
143+00-145+80	RT.	176	30
177+00-179+00	LT.	176	15
LT. 175+32-176+07	TRANSITION		
TOTAL			45

LOCATION	LINE	TYPE	AMOUNT
143+00-145+80	RT.	176	30
177+00-179+00	LT.	176	15
LT. 175+32-176+07	TRANSITION		
TOTAL			45

LOCATION	LINE	TYPE	AMOUNT
143+00-145+80	RT.	176	30
177+00-179+00	LT.	176	15
LT. 175+32-176+07	TRANSITION		
TOTAL			45

LOCATION	LINE	TYPE	AMOUNT
143+00-145+80	RT.	176	30
177+00-179+00	LT.	176	15
LT. 175+32-176+07	TRANSITION		
TOTAL			45

S.B.I. RT. 148 SEC. 130 W.R.S-1 WILLIAMSON CO. STA. 141+00-179+00



CONSTRUCT PARKING LANES
 7' WIDE & 6" THICK WITH CR. OR CR. STONE BASE CSE. TP. B WITH BIT. SURF. TREATMENT. SUB-CLASS A-3 LT. & RT. STA. 175+32 TO STA. 178+24.
 GR. OR CR. STONE BASE CRSE. TYPE B 171 TONS W-SEC.
 BIT. MAT'L. (PRIME COAT) MC-D 192 GAL. RS-SEC.
 BIT. MAT'L. (COVER & SEAL COAT) MC-5 285 GAL. RS-SEC.
 COVER COAT AGG. 13 TONS. RS-SEC.
 SEAL COAT AGG. 8 TONS. RS-SEC.
 GR. OR CR. STONE BASE CSE. TP. B 57 TONS. RS-SEC.

CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS
 RT. STA. 142+62 TO STA. 145+00 - 8' WIDE, 4" THICK, UNCOMPACTED 30 TONS GR. OR CR. STONE SURFACE COURSE, TYPE B.

DETOUR ROAD NO. 4 - SEE PRECEDING SHEETS.

DETOUR ROAD NO. 6 - SEE 2ND SHEET AHEAD.

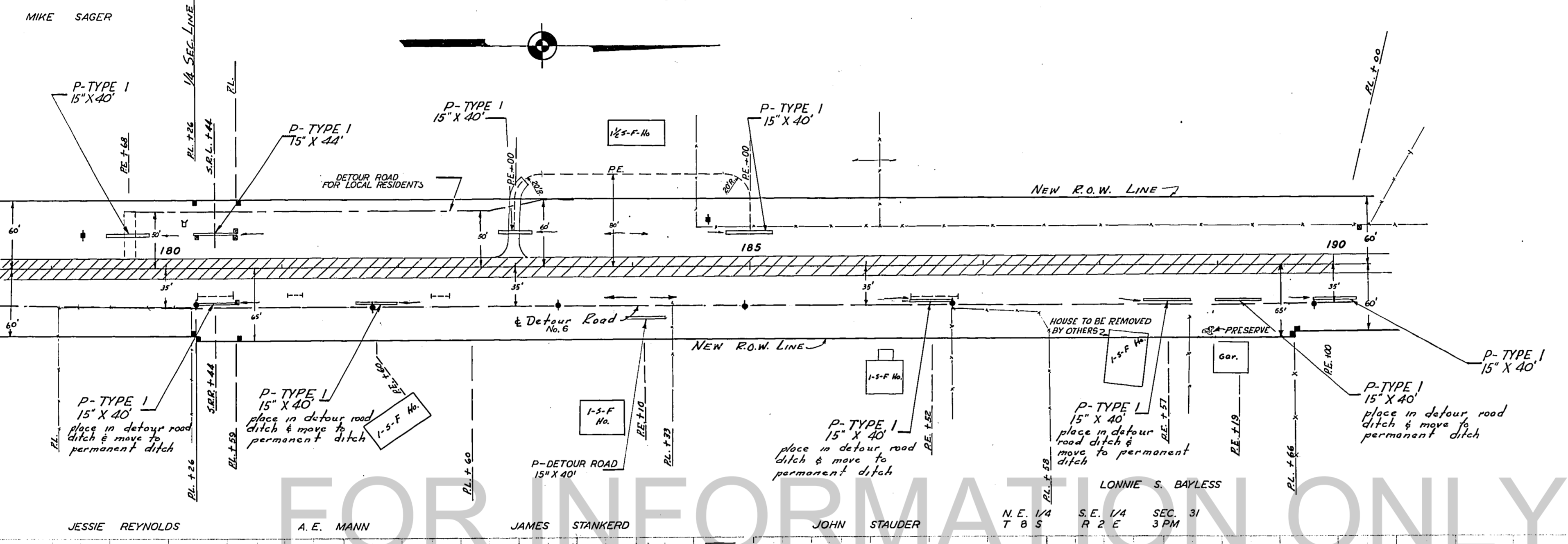
PRESERVE EVERGREEN SHRUBS
 RT. STA. 176+06 & 176+11.

NOTE: TEMPORARY BITUMINOUS TRANSITION STA. 145+40-STA. 145+60 TO BE BUILT AS DIRECTED BY THE ENGINEER. THE PLACEMENT (W. SEC.) AND THE REMOVAL (RS. SEC.) OF THE TEMPORARY BITUMINOUS TRANSITION WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

N.W. 1/4 S.E. 1/4 SEC. 31
T 8 S R 2 E 3 PM

S.B.I. (S&M#4) WILLIAMSON 102 W 11 W
148 W.R.S-1 23RS-1 15RS-1

SUSIE CHAMNESS



FOR INFORMATION ONLY

DESCRIPTION	QUANTITY	UNIT	REMARKS
DETOUR ROAD EARTH EXC.	1533	CU YDS.	
1ST STAGE EARTH EXC.	10108	CU YDS.	
2ND " " " "	5232	" " "	
DETOUR ROAD EARTH FILL	1785	CU YDS.	
1ST STAGE EARTH FILL	1458	CU YDS.	
2ND " " " "	2845	" " "	
O.H.	6057	CU YD. STA	
GRADING	563	495	
CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS	20	CU YDS. (W. SEC.)	
	70	CU YDS. (RS SEC.)	

RIGHT OF WAY MARKERS

LOCATION	QUANTITY
RT. 186+16 - 186+50	2 EACH
RT. & LT. 187+54 - 189+95	5 EACH
TOTAL	7

PAVEMENT REMOVAL

LOCATION	QUANTITY
LT. 183+31	5200
RT. & LT. 188+96 - 190+00	2200
TOTAL	7400

GUTTER REMOVAL

LOCATION	QUANTITY
RT. & LT. 188+96 - 190+00	608
TOTAL	608

TREE REMOVAL

INCH DIAMETER (6"-15") (OVER 15")	LOCATION	QUANTITY
12	RT. 186+16 - 186+50	12
12	RT. & LT. 187+54 - 189+95	12
0	TOTAL	24

TREE REMOVAL (SPECIAL)

INCH DIAMETER (6"-15") (OVER 15")	LOCATION	QUANTITY
7	LT. 183+31	7
0	RT. 188+96	0
7	TOTAL	7

SIDE APPROACHES - W. SEC.

STATION	TYPE	ROW	W. GR.	EXC.	EMB.	SPRACING	GR. OR CR. ST.	BIT. CONC. SURF.	CRF. SUB. CL. 1 1/2"
179+00	P.E.	22	2	0	35	16	15	35	10
180+44	S.R.L.	24	7	8	37	18	15	55	8
180+44	S.R.R.	8	40	38	"	70	35	66	8
181+60	P.E.	22	14	74	33	16	63	15	44
183+00	P.E.	14	"	107	37	"	80	15	51
80' LT. 183+50 TO 184+00	P.E.	"	"	10	100	20	59	"	4
184+10	P.E.	22	15	156	30	16	82	15	52
185+00	P.E.	"	14	113	37	"	68	15	51
186+32	P.E.	"	"	65	37	"	68	15	44
188+57	"	"	"	6	0	0	39	15	26
189+19	"	"	"	8	89	"	54	15	37
190+00	"	"	"	10	0	61	"	15	33
TOTAL				563	495		550	134	52

PRESERVE TREE

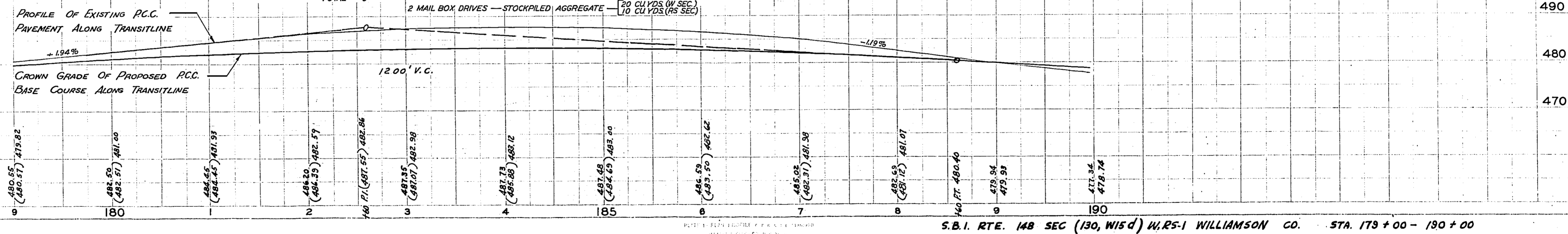
59 FT. RT. STA. 188+86

CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS

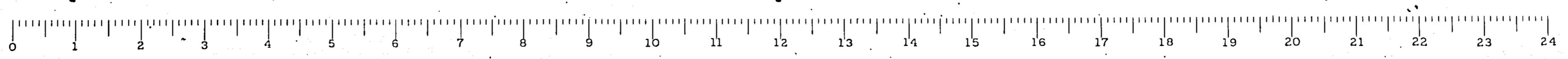
LT. STA. 179+38 TO STA. 183+60 8' WIDE 4" THICK UNCOMPACTED

SEE TONS GR. OR CR. STONE SURFACE COURSE, TYPE B.

DETOUR ROAD NO. 6 SEE FOLLOWING SHEETS.



S.B.I. RTE. 148 SEC (130, WISD) W.R.S-1 WILLIAMSON CO. STA. 179+00 - 190+00

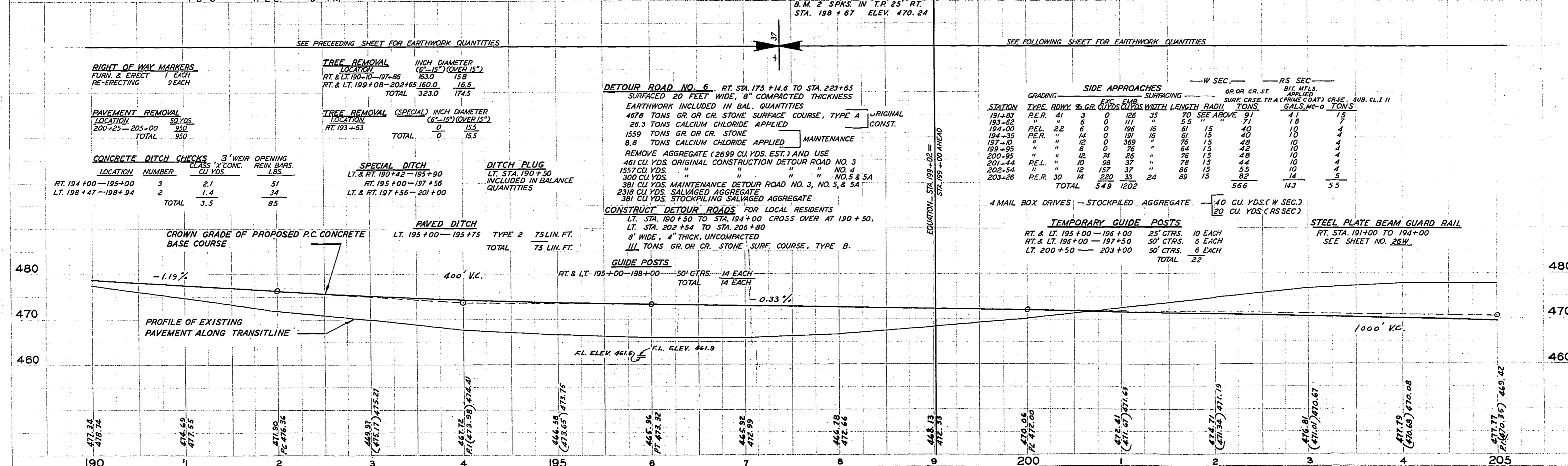
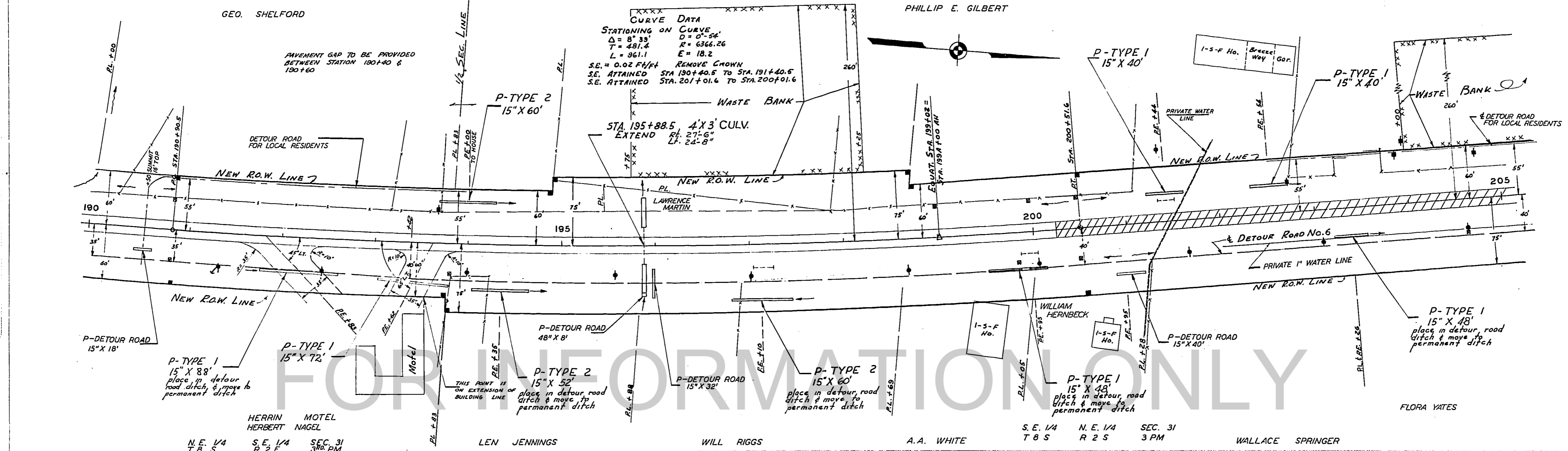


N.W. 1/4 S.E. 1/4 SEC. 31
T 8 S R 2 E 3 PM

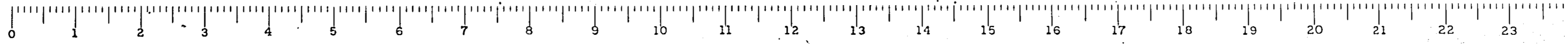
NOTE: CLEAR TO ROW LINE LT 195+00 TO 205+00 TO PROVIDE SIGHT DISTANCE.

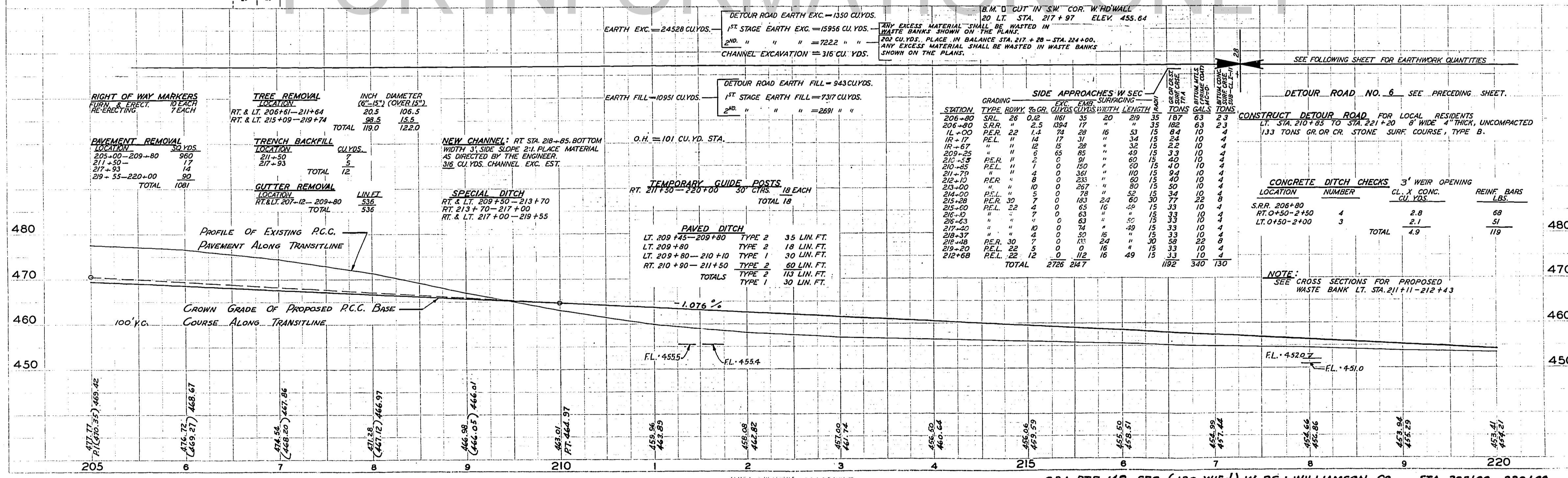
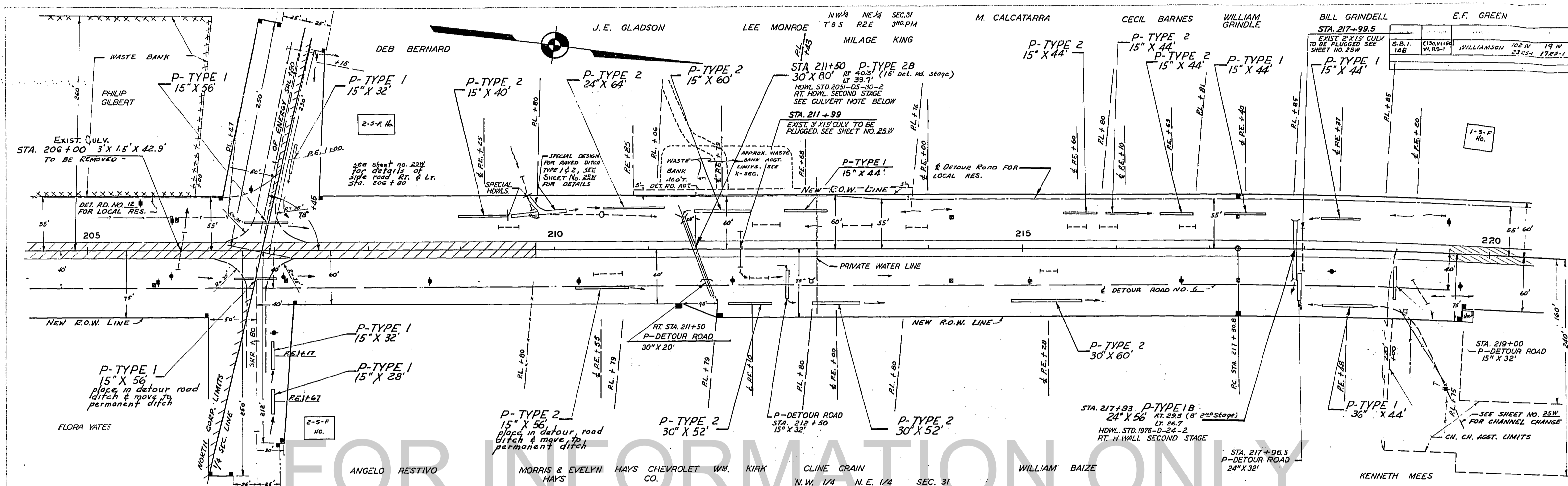
S.W. 1/4 N.E. 1/4 SEC. 31
T 8 S R 2 E 3 PM

S.B.I. (S.W. 1/4) WILLIAMSON 102 W 18 W
1/4 W 25-1 2363-1 1623-1



STATION	TYPE	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	GR. CR. ST.	
194+03	P.E.R.	41	3	0	126	15	70	SEE ABOVE	31	41	15
193+62	"	"	"	"	"	"	"	"	"	"	"
194+00	P.E.R.	22	6	0	196	16	61	15	40	10	4
194+33	"	"	"	"	"	"	"	"	"	"	"
197+10	"	"	"	"	"	"	"	"	"	"	"
198+05	"	"	"	"	"	"	"	"	"	"	"
200+95	"	"	"	"	"	"	"	"	"	"	"
201+44	P.E.L.	10	38	37	"	78	15	44	10	4	4
202+54	"	"	"	"	"	"	"	"	"	"	"
203+26	P.E.R.	30	14	220	33	24	89	15	82	14	5
TOTAL										566	143





RIGHT OF WAY MARKERS

205+00-209+80	560
211+50	17
217+93	90
TOTAL	1087

TRENCH BACKFILL

RT. & LT. 206+61-211+64	20.5	106.5
RT. & LT. 215+09-219+74	38.5	15.5
TOTAL	119.0	122.0

GUTTER REMOVAL

RT. & LT. 207+12-209+80	535
TOTAL	535

NEW CHANNEL RT. STA. 216+85 BOTTOM WIDTH 31' SIDE SLOPE 2:1 PLACE MATERIAL AS DIRECTED BY THE ENGINEER. 316 CU. YDS. CHANNEL EXC. EST.

DETOUR ROAD EARTH EXC. - 1350 CU. YDS.
1ST STAGE EARTH EXC. - 15956 CU. YDS.
2ND STAGE EARTH EXC. - 7222 " "
CHANNEL EXCAVATION - 316 CU. YDS.

DETOUR ROAD EARTH FILL - 943 CU. YDS.
1ST STAGE EARTH FILL - 7317 CU. YDS.
2ND STAGE EARTH FILL - 2691 " "

TEMPORARY GUIDE POSTS

RT. 211+50 - 220+00	30' CTRS.	18 EACH
TOTAL		18

GRADING

STATION	TYPE	ROW	% GR.	CU. YDS.	EM. SURFACING	WIDTH	LENGTH	TONS	GALLONS	TONS
206+80	SRL	26	0.2	101	35	20	219	187	63	2.3
208+00	S.R.R.	22	2.5	1094	17			182	63	2.3
1L+00	P.E.R.	22	1.3	73	28	16		53	15	0.4
1R+17	P.E.R.	14	17	31				34	15	0.4
1R+67	P.E.R.	12	15	28				32	15	0.4
209+25	P.E.R.	11	6	65	85			49	15	0.4
210+58	P.E.R.	11	2	91				60	15	0.4
210+85	P.E.L.	11	7	0	150			20	15	0.4
211+79	P.E.R.	11	4	0	361			110	15	0.4
212+00	P.E.R.	11	8	0	253			80	15	0.4
213+00	P.E.R.	11	10	0	267			80	15	0.4
214+00	P.E.L.	11	5	0	78			52	15	0.4
215+28	P.E.R.	30	7	0	163	2.4	60	30	77	2.8
215+60	P.E.L.	22	4	0	65	16		15	33	1.0
216+19	P.E.L.	11	7	0	63			33	15	0.4
216+63	P.E.R.	11	10	0	74			50	15	0.4
217+20	P.E.R.	11	10	0	74			50	15	0.4
218+00	P.E.R.	30	7	0	15	2.4		30	58	2.2
219+20	P.E.L.	22	5	0	16			15	33	1.0
212+68	P.E.L.	22	12	0	112	16		49	15	0.4
TOTAL					2726	2147		1192	340	730

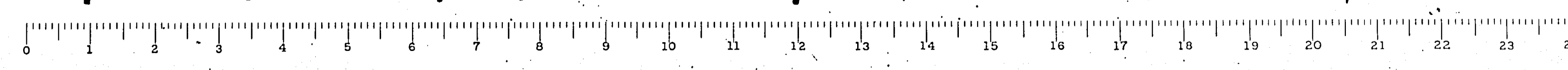
CONSTRUCT DETOUR ROAD FOR LOCAL RESIDENTS
 LT. STA. 210+85 TO STA. 221+20 8' WIDE 4" THICK UNCOMPACTED
 133 TONS GR. OR CR. STONE SURF. COURSE, TYPE B.

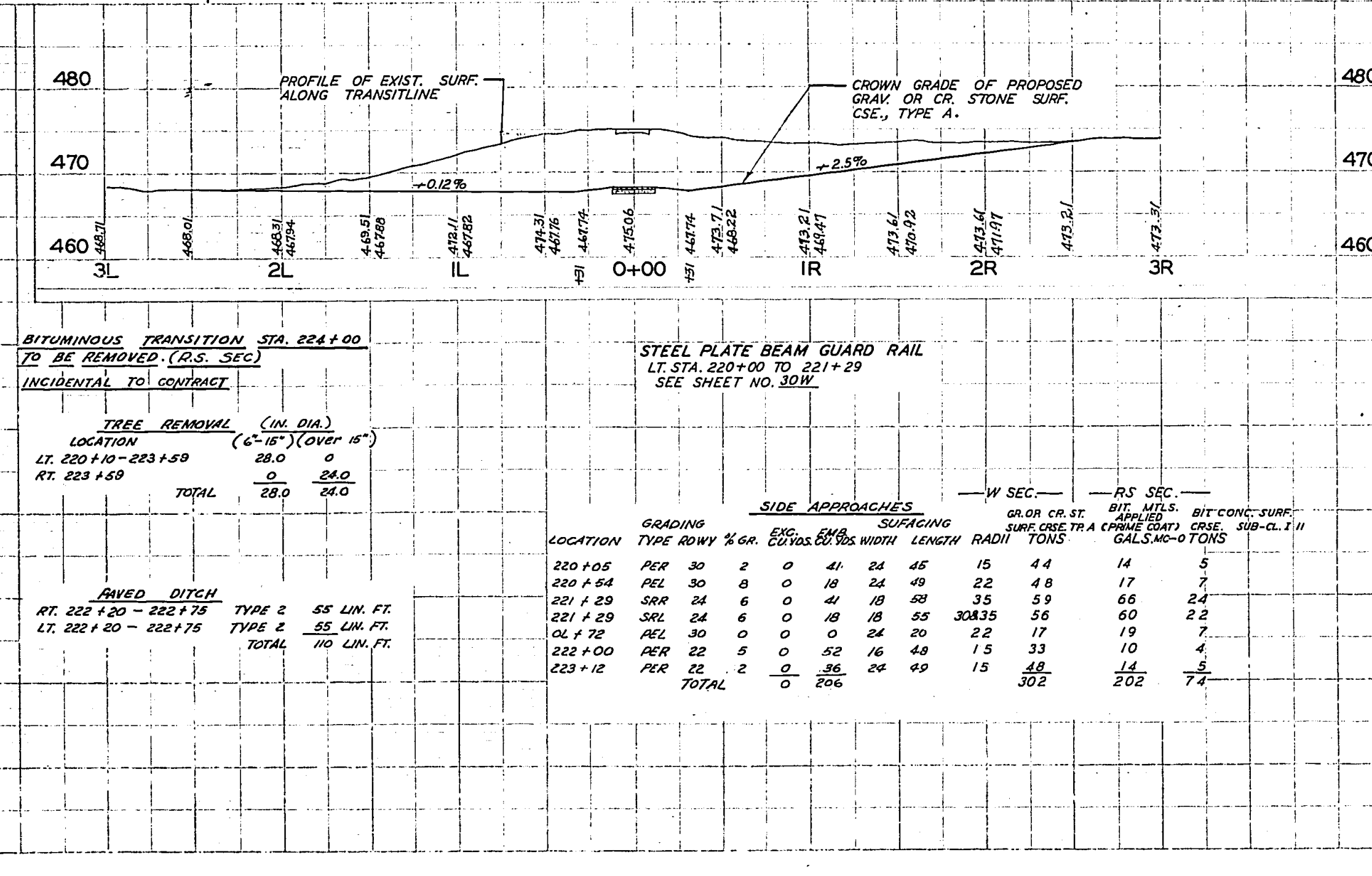
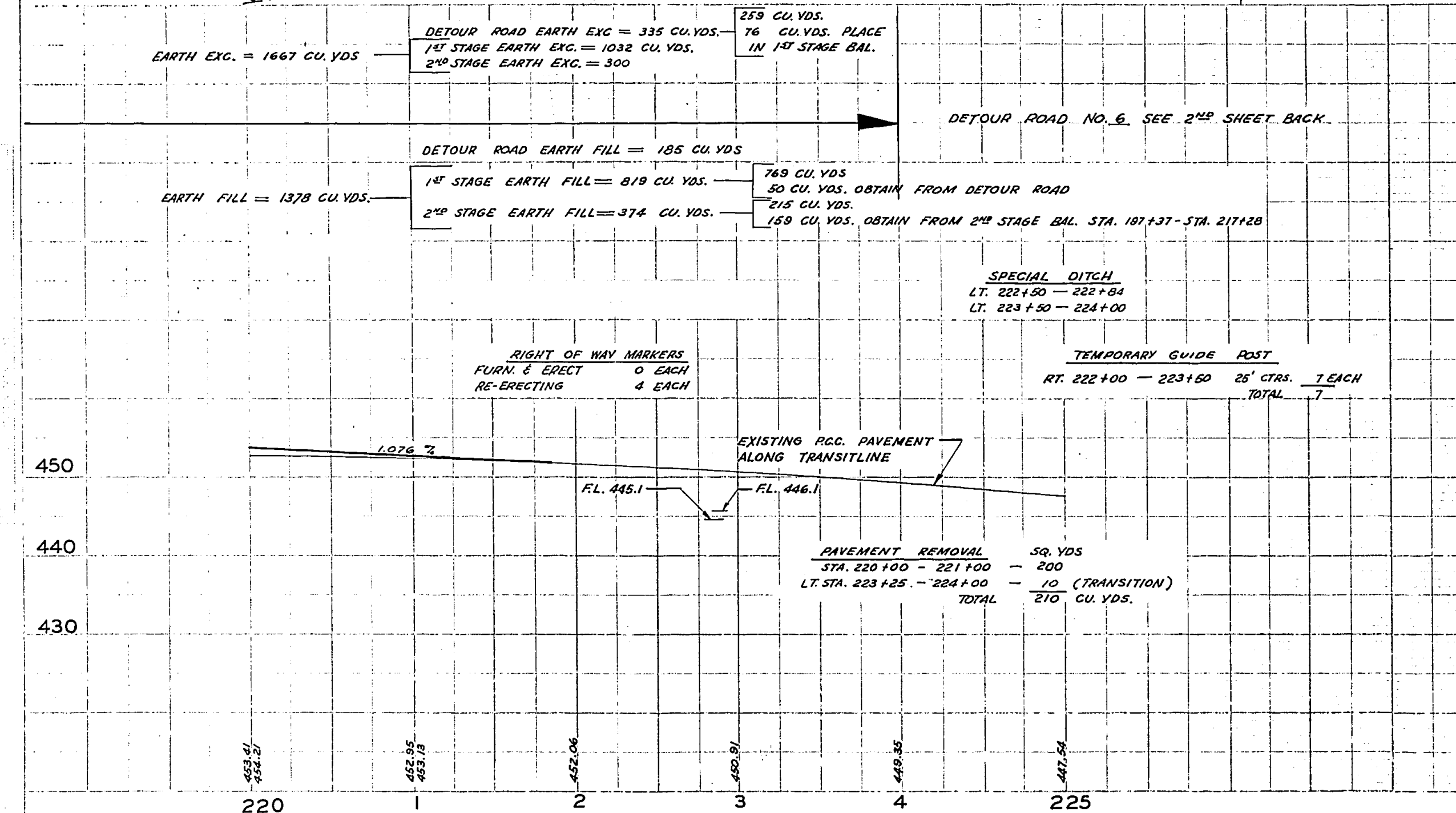
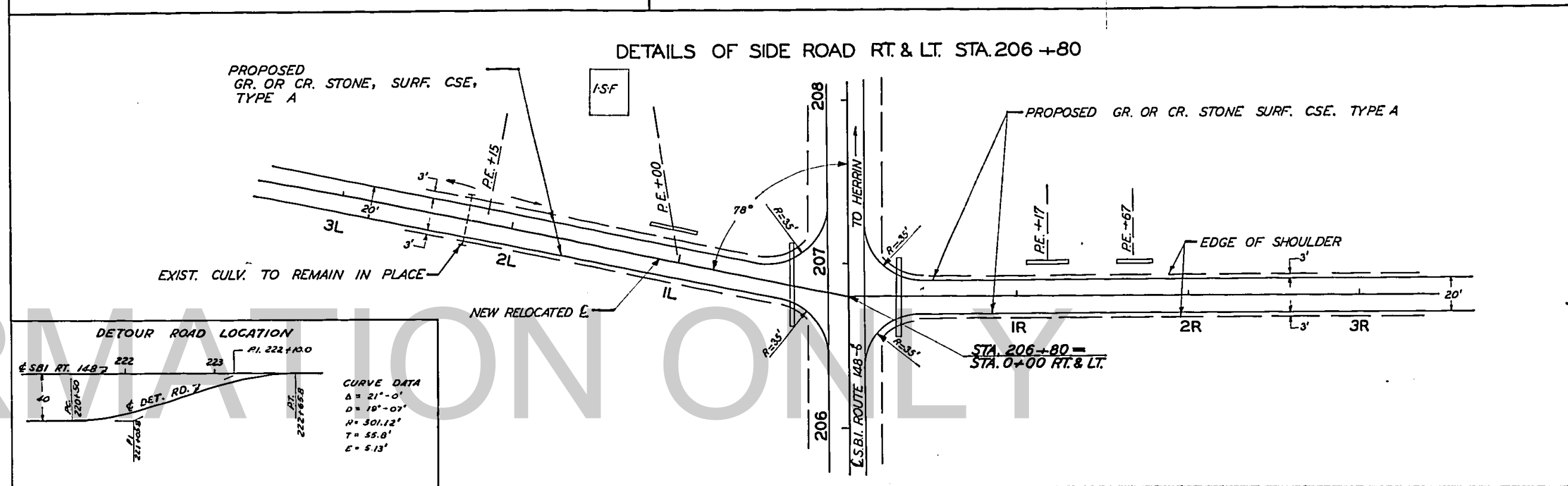
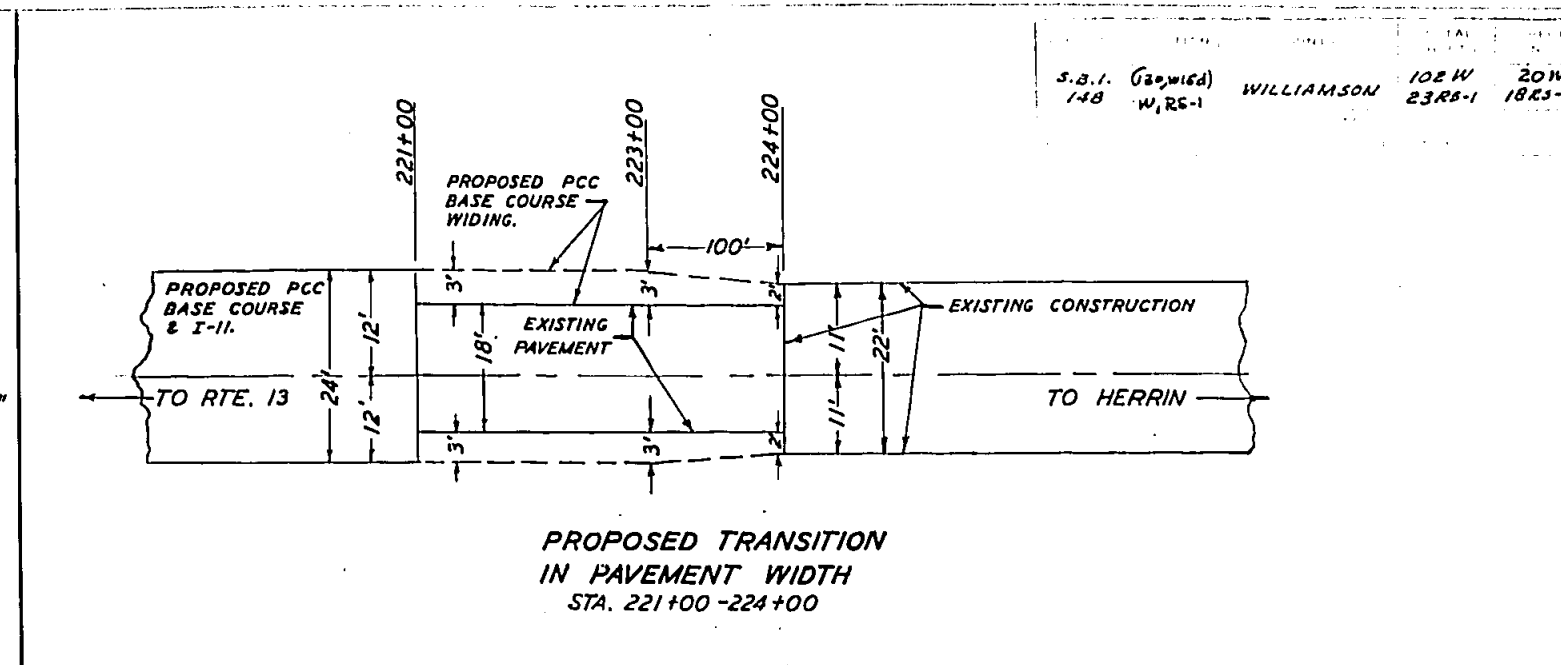
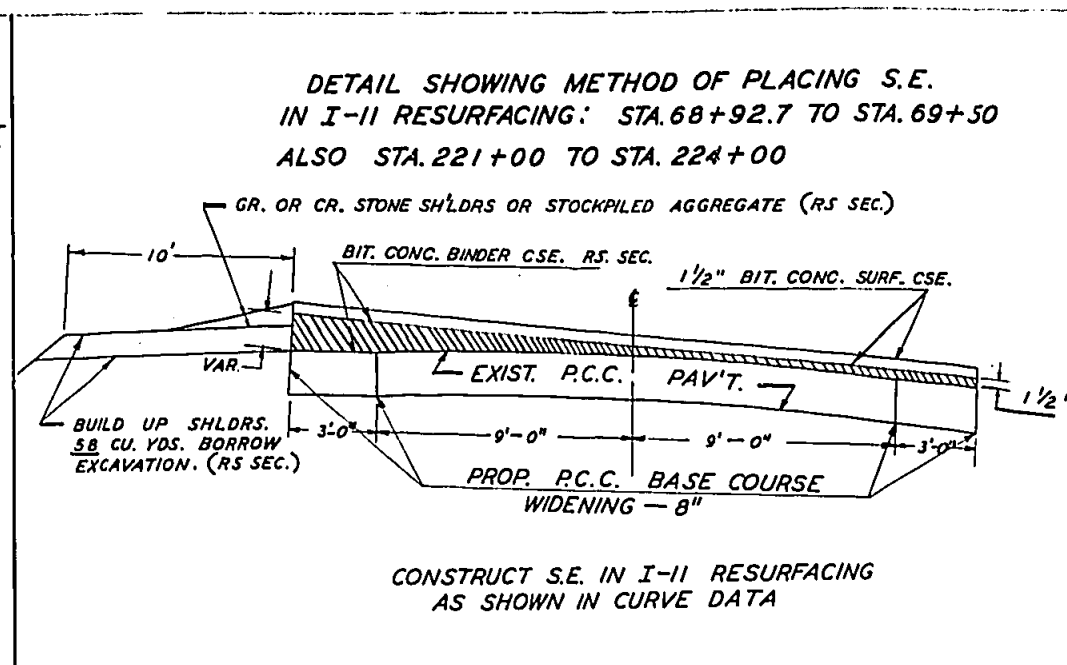
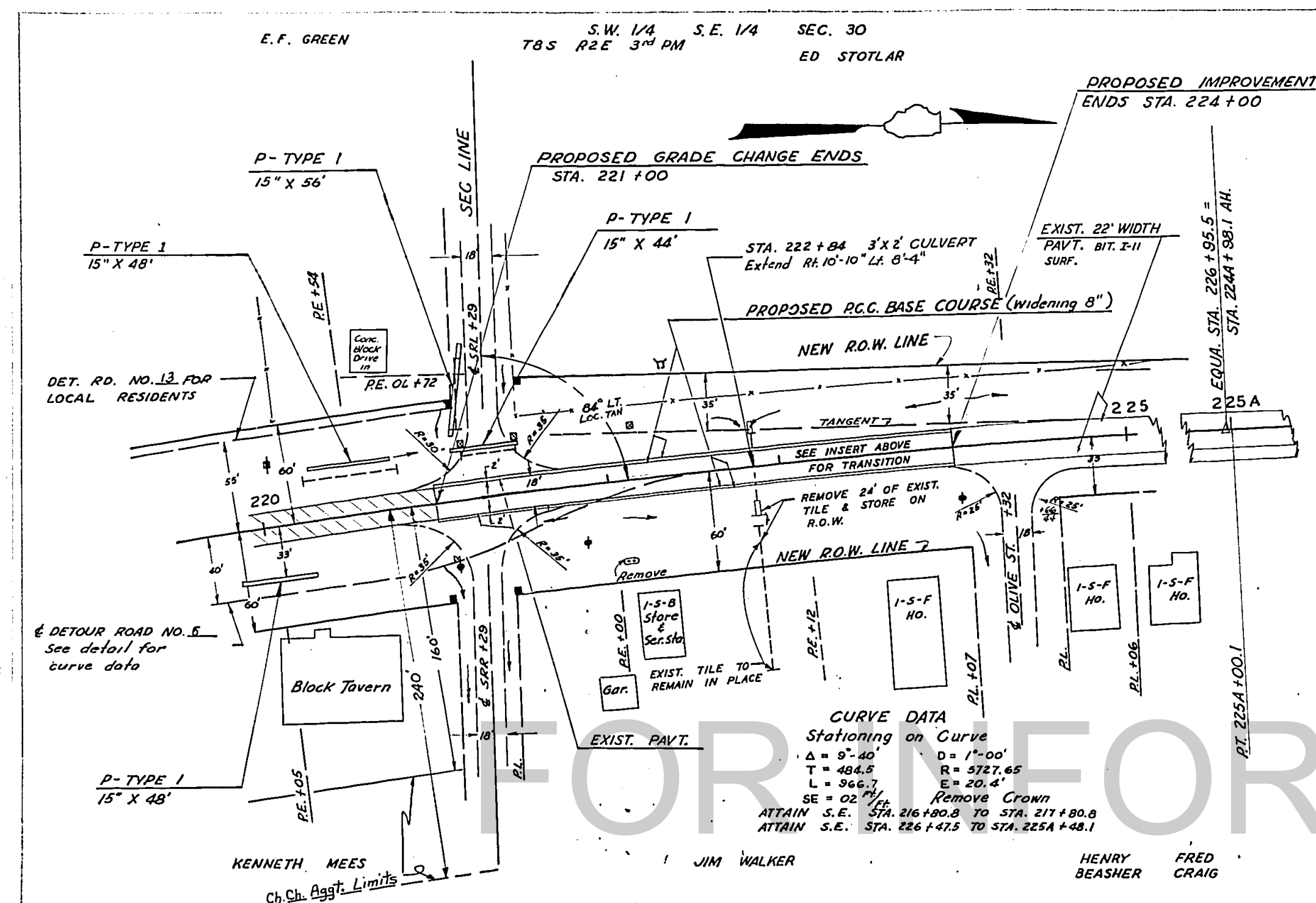
CONCRETE DITCH CHECKS 3' WEIR OPENING

LOCATION	NUMBER	CL. X CONC.	REINF. BARS
S.R.R. 208+80			
RT. 0+50-2+50	4	2.8	68
LT. 0+50-2+00	3	2.1	51
TOTAL		4.9	119

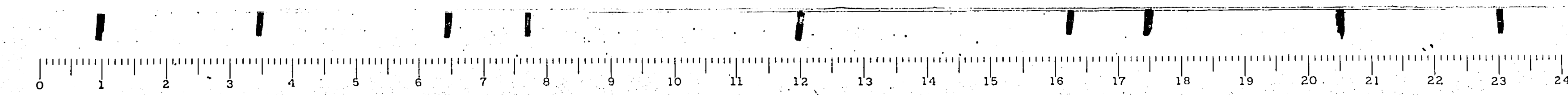
NOTE: SEE CROSS SECTIONS FOR PROPOSED WASTE BANK LT. STA. 211+11-212+43

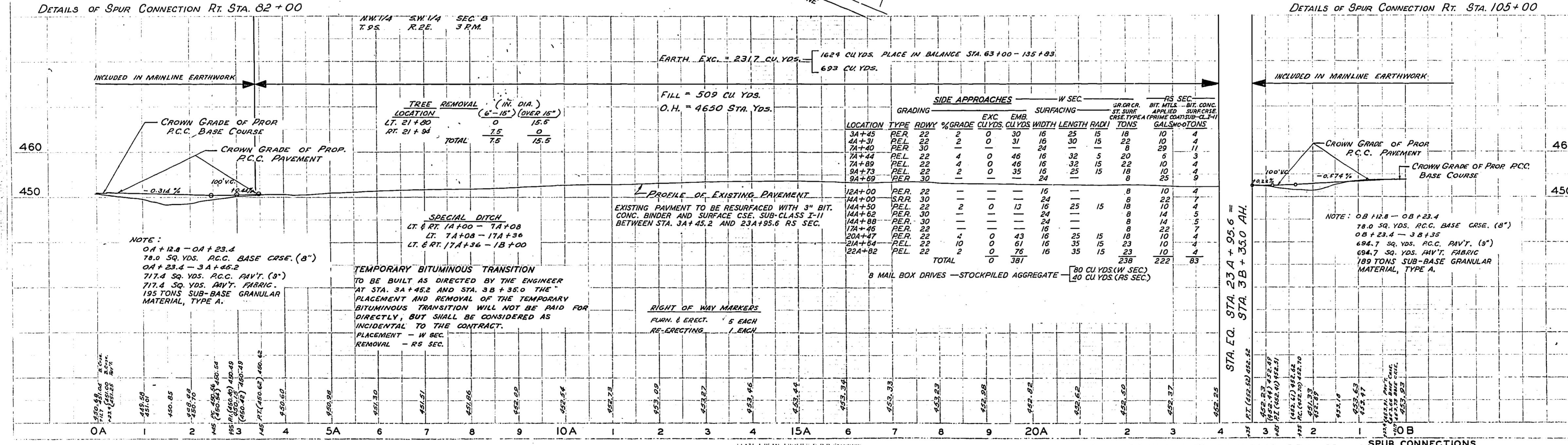
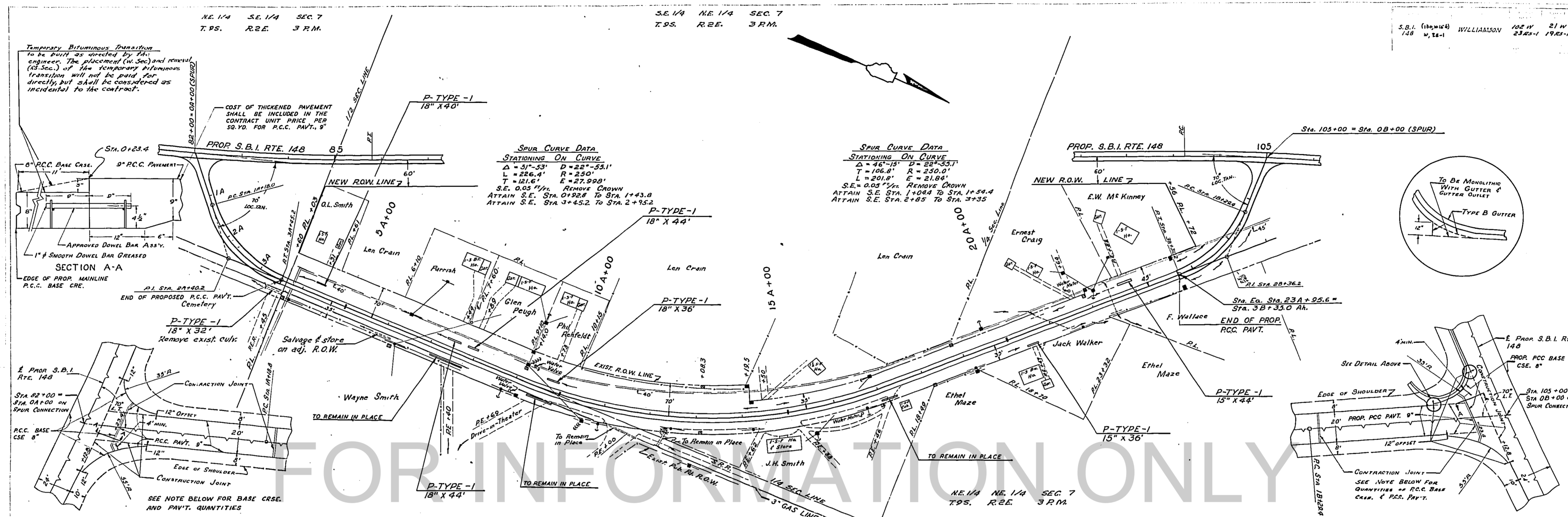
S.B.I. RTE 148 SEC. (130, WISD) W. RS-1 WILLIAMSON CO. STA. 205+00-220+00





S.B.I. RTE. 148 SEC. (130WISD) W/RS-I WILLIAMSON COUNTY STA. 220+00-225+00





S.B.I. RTE. 148 SEC. (130, W15d) WRS-1 WILLIAMSON CO. - SPUR CONNECTIONS RT. STA. 82+00 & STA. 105+00

FOR INFORMATION ONLY

NOTE: SEE SHEET NO. 1011W FOR INSTRUCTIONS FOR STAKING 3-CENTERED CURVES.

3-CENTERED CURVE DATA S.W. QUAD.
 $R_1 = 50'$
 $R_2 = 150'$
 $X = 80.5'$
 $Y = 65.0'$
 $Z = 47.4'$
 $A = \text{STA. } 583 + 74.4$
 $B = \text{STA. } 1 + 89.1$
 $C = \text{STA. } 584 + 06.2$
 $D = \text{STA. } 2 + 23.1$

PROPOSED IMPROVEMENT BEGINS STA. 2+26.8 S.B.I. RTE. 148 = STA. 501+55.2 BACK P.A.S. RTE. 910

3-CENTERED CURVE DATA S.E. QUAD.
 $R_1 = 50'$
 $R_2 = 150'$
 $X = 80.5'$
 $Y = 66.0'$
 $Z = 47.4'$
 $A = \text{STA. } 585 + 98.6$
 $B = \text{STA. } 1 + 93.7$
 $C = \text{STA. } 585 + 67.2$
 $D = \text{STA. } 2 + 24.9$

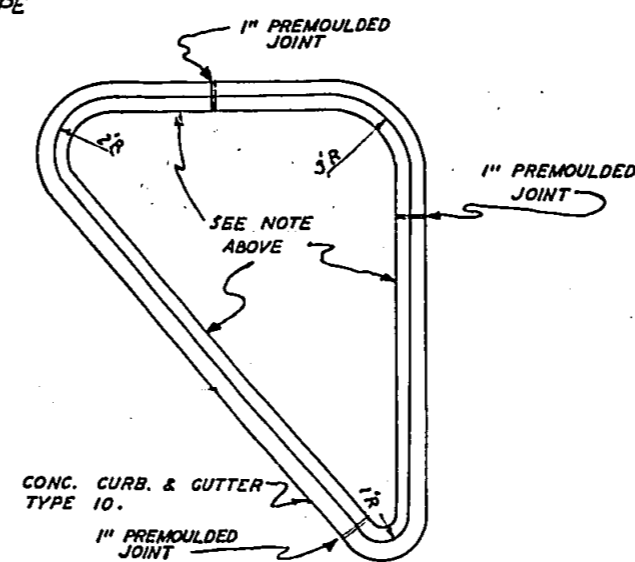
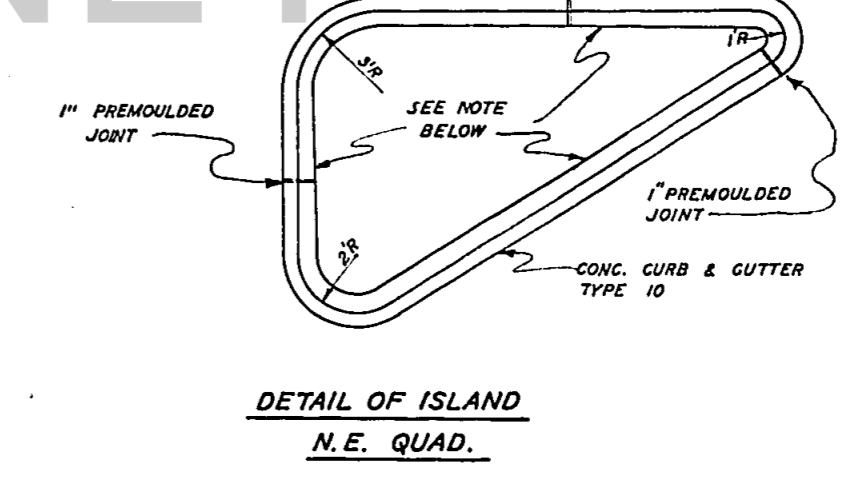
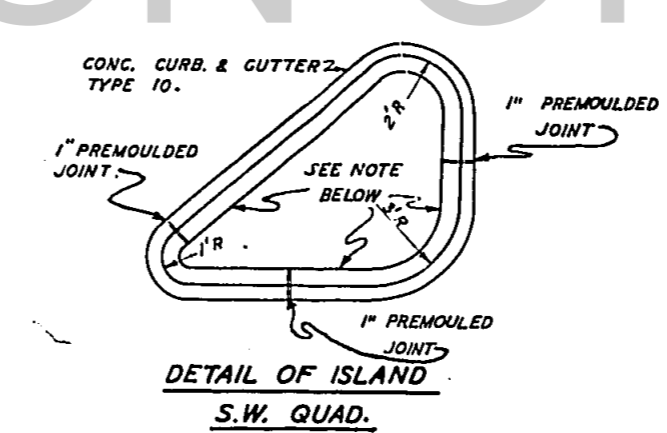
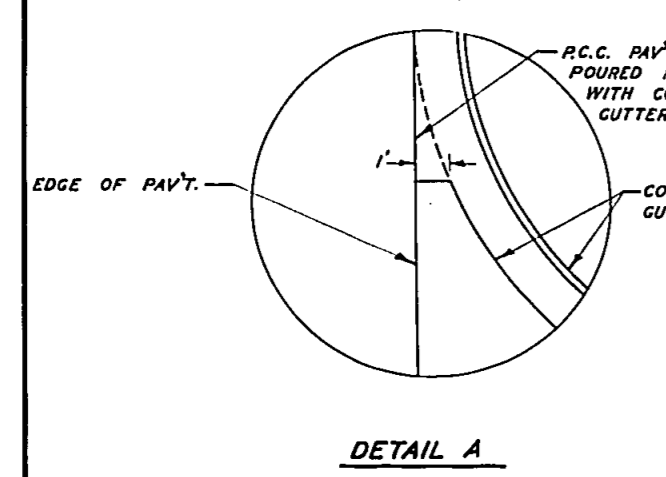
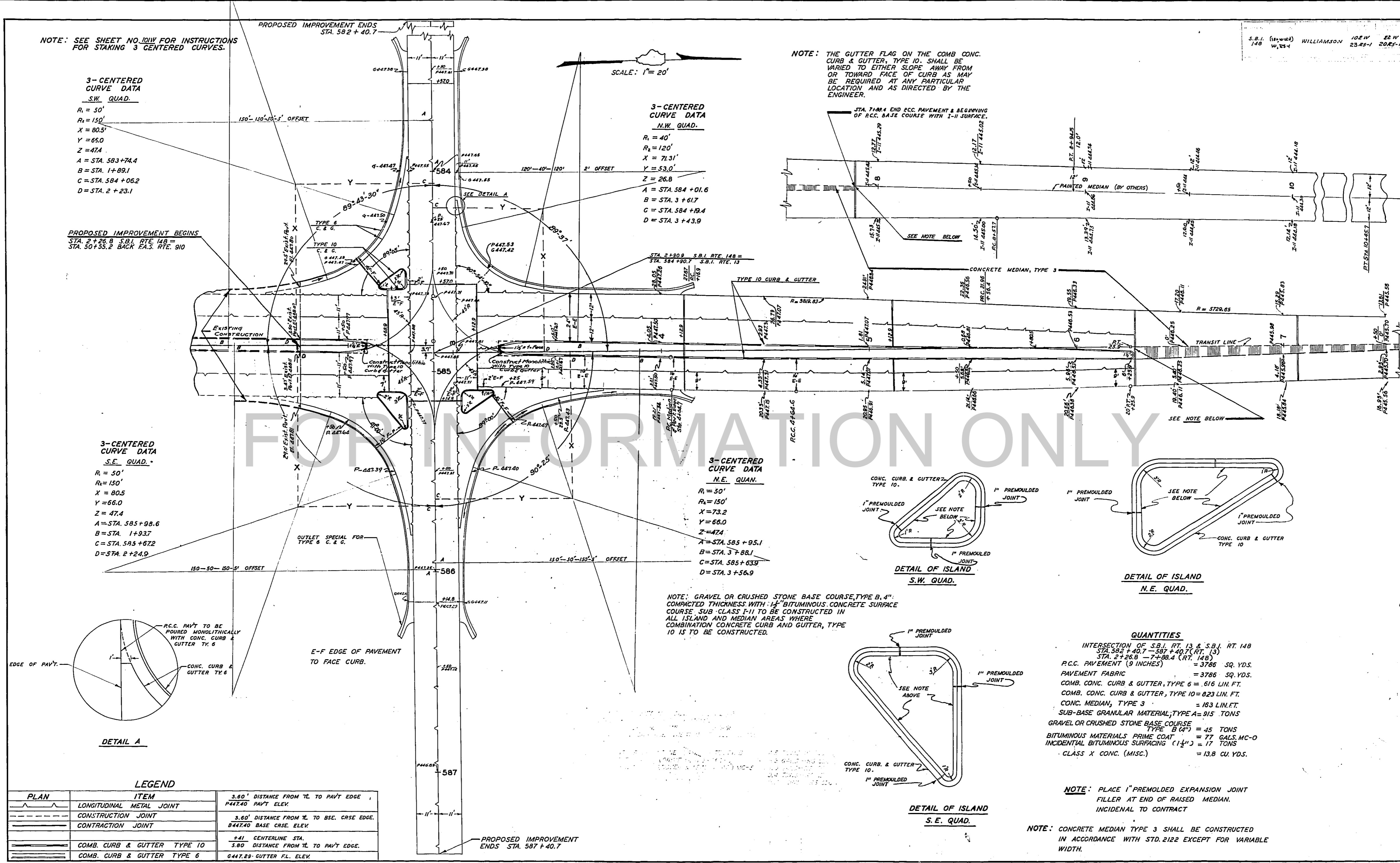
3-CENTERED CURVE DATA N.W. QUAD.
 $R_1 = 40'$
 $R_2 = 120'$
 $X = 71.3'$
 $Y = 53.0'$
 $Z = 26.8'$
 $A = \text{STA. } 584 + 01.6$
 $B = \text{STA. } 3 + 61.7$
 $C = \text{STA. } 584 + 19.4$
 $D = \text{STA. } 3 + 43.9$

3-CENTERED CURVE DATA N.E. QUAD.
 $R_1 = 50'$
 $R_2 = 150'$
 $X = 73.2'$
 $Y = 66.0'$
 $Z = 47.4'$
 $A = \text{STA. } 585 + 95.1$
 $B = \text{STA. } 3 + 88.1$
 $C = \text{STA. } 585 + 63.9$
 $D = \text{STA. } 3 + 56.9$

NOTE: THE GUTTER FLAG ON THE COMB CONC. CURB & GUTTER, TYPE 10, SHALL BE VARIED TO EITHER SLOPE AWAY FROM OR TOWARD FACE OF CURB AS MAY BE REQUIRED AT ANY PARTICULAR LOCATION AND AS DIRECTED BY THE ENGINEER.

SCALE: 1" = 20'

S.B.I. (130, W15d) WILLIAMSON 102 W 22 N 148 W, W-1



LEGEND	
PLAN	ITEM
	LONGITUDINAL METAL JOINT
	CONSTRUCTION JOINT
	CONTRACTION JOINT
	COMB. CURB & GUTTER TYPE 10
	COMB. CURB & GUTTER TYPE 6

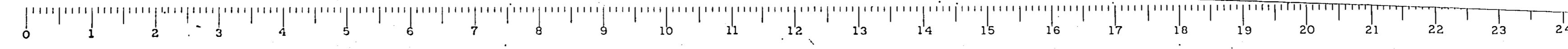
NOTE: GRAVEL OR CRUSHED STONE BASE COURSE, TYPE B, 4", COMPACTED THICKNESS WITH 1" BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS F-11 TO BE CONSTRUCTED IN ALL ISLAND AND MEDIAN AREAS WHERE COMBINATION CONCRETE CURB AND GUTTER, TYPE 10 IS TO BE CONSTRUCTED.

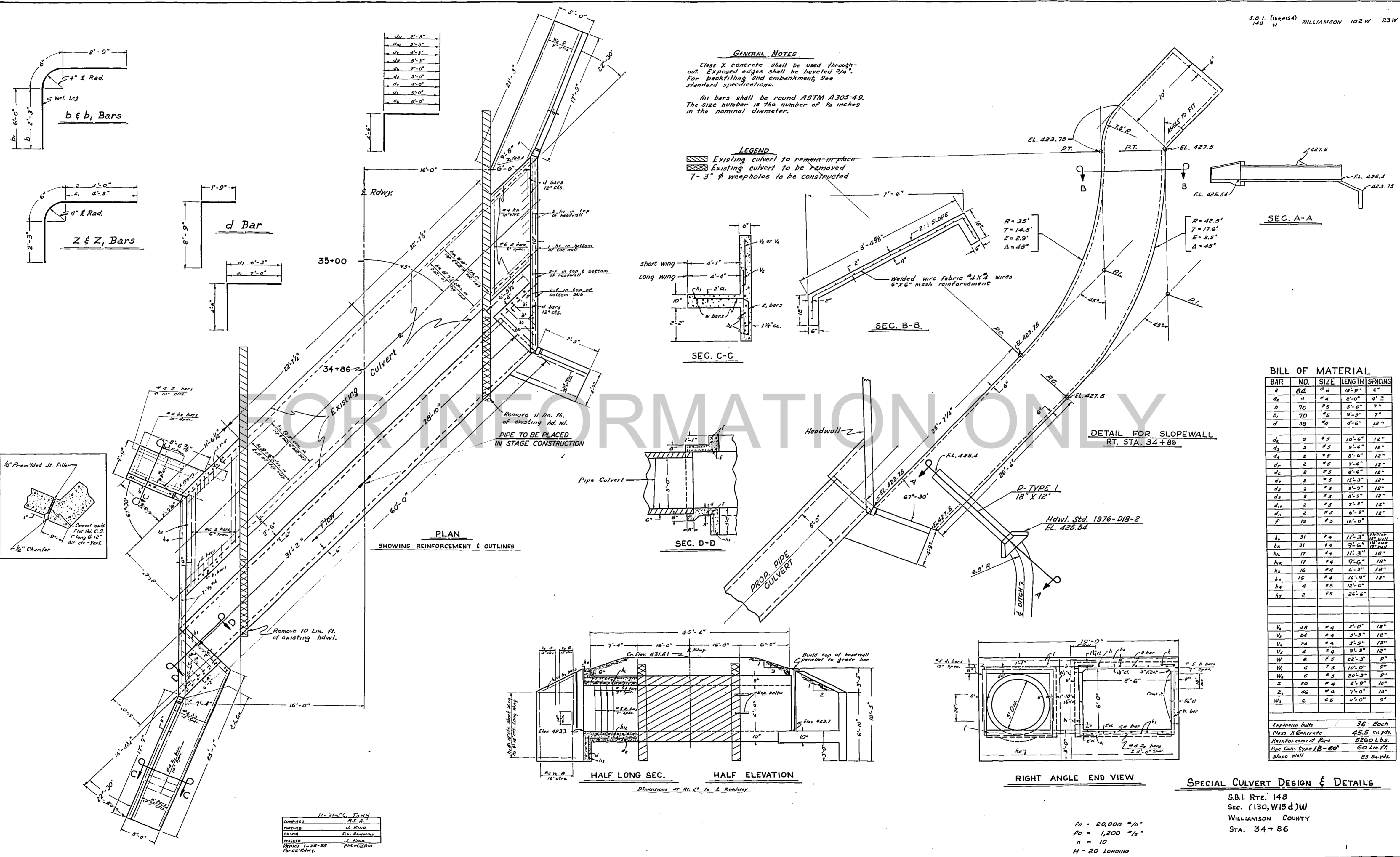
QUANTITIES
 INTERSECTION OF S.B.I. RT. 13 & S.B.I. RT. 148
 STA. 582 + 40.7 - 587 + 40.7 (RT. 13)
 STA. 2 + 26.8 - 7 + 88.4 (RT. 148)
 P.C.C. PAVEMENT (3 INCHES) = 3786 SQ. YDS.
 PAVEMENT FABRIC = 3786 SQ. YDS.
 COMB. CONC. CURB & GUTTER, TYPE 6 = 616 LIN. FT.
 COMB. CONC. CURB & GUTTER, TYPE 10 = 823 LIN. FT.
 CONC. MEDIAN, TYPE 3 = 163 LIN. FT.
 SUB-BASE GRANULAR MATERIAL, TYPE A = 915 TONS
 GRAVEL OR CRUSHED STONE BASE COURSE, TYPE B (4") = 45 TONS
 BITUMINOUS MATERIALS PRIME COAT = 77 GALS. MC-O
 INCIDENTAL BITUMINOUS SURFACING (1 1/2") = 17 TONS
 CLASS X CONC. (MISC.) = 13.8 CU. YDS.

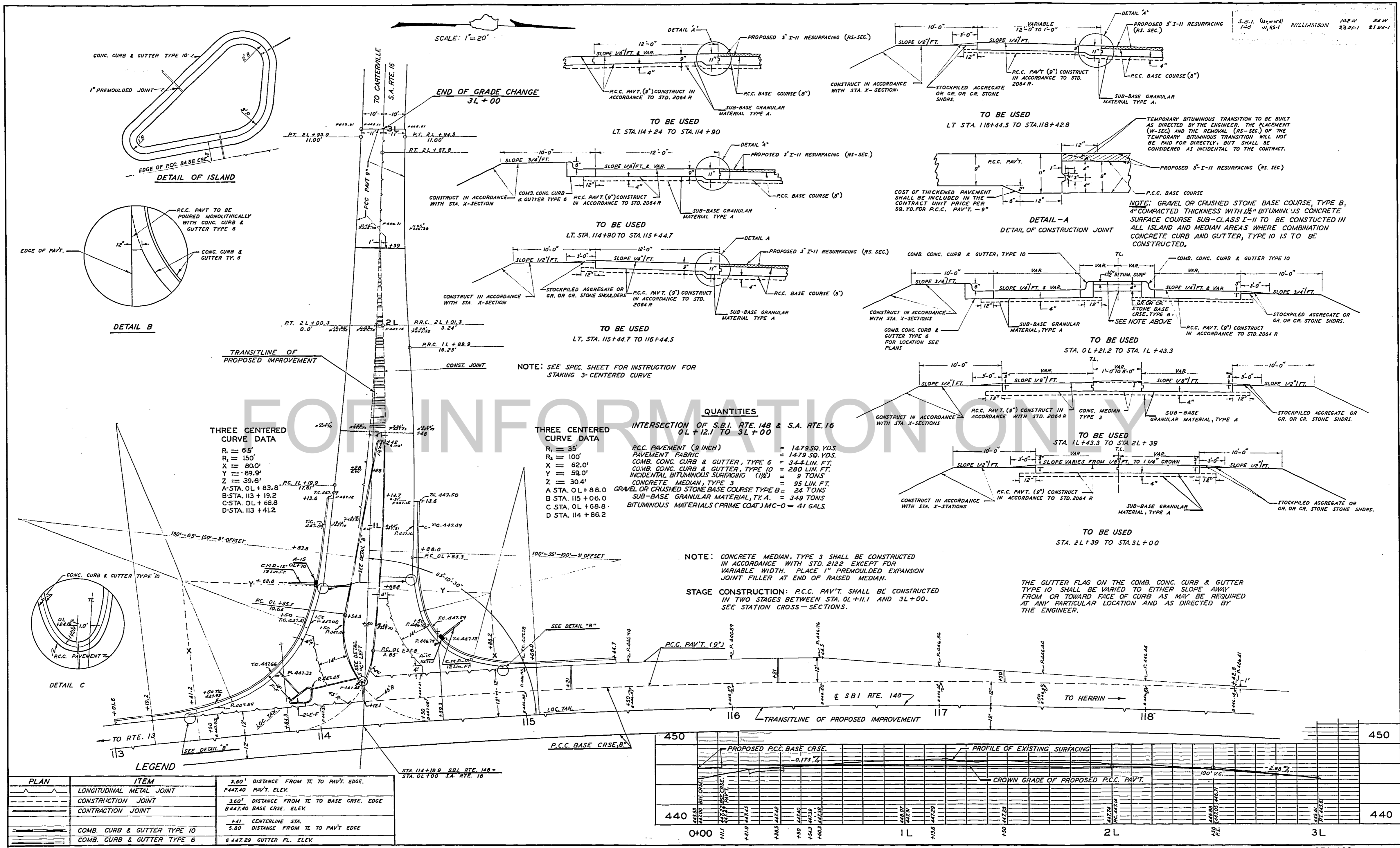
NOTE: PLACE 1" PREMOLDED EXPANSION JOINT FILLER AT END OF RAISED MEDIAN, INCIDENTAL TO CONTRACT

NOTE: CONCRETE MEDIAN TYPE 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 2122 EXCEPT FOR VARIABLE WIDTH.

S.B.I. RTE. 148 SEC. (130, W15d) WRS-1 WILLIAMSON CO. INTERSECTION DETAIL S.B.I. RTE. 148 S.B.I. RTE. 13

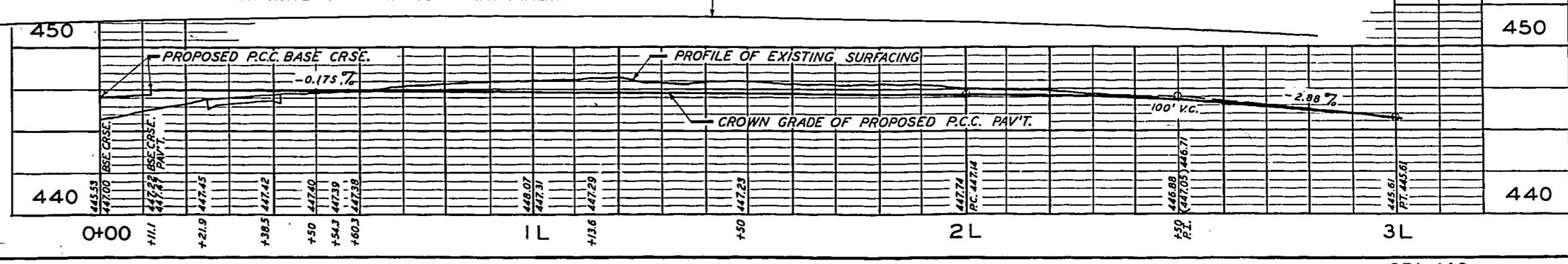




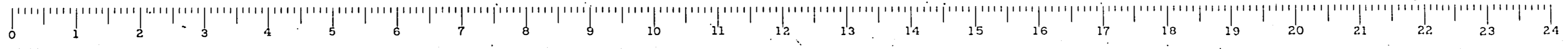


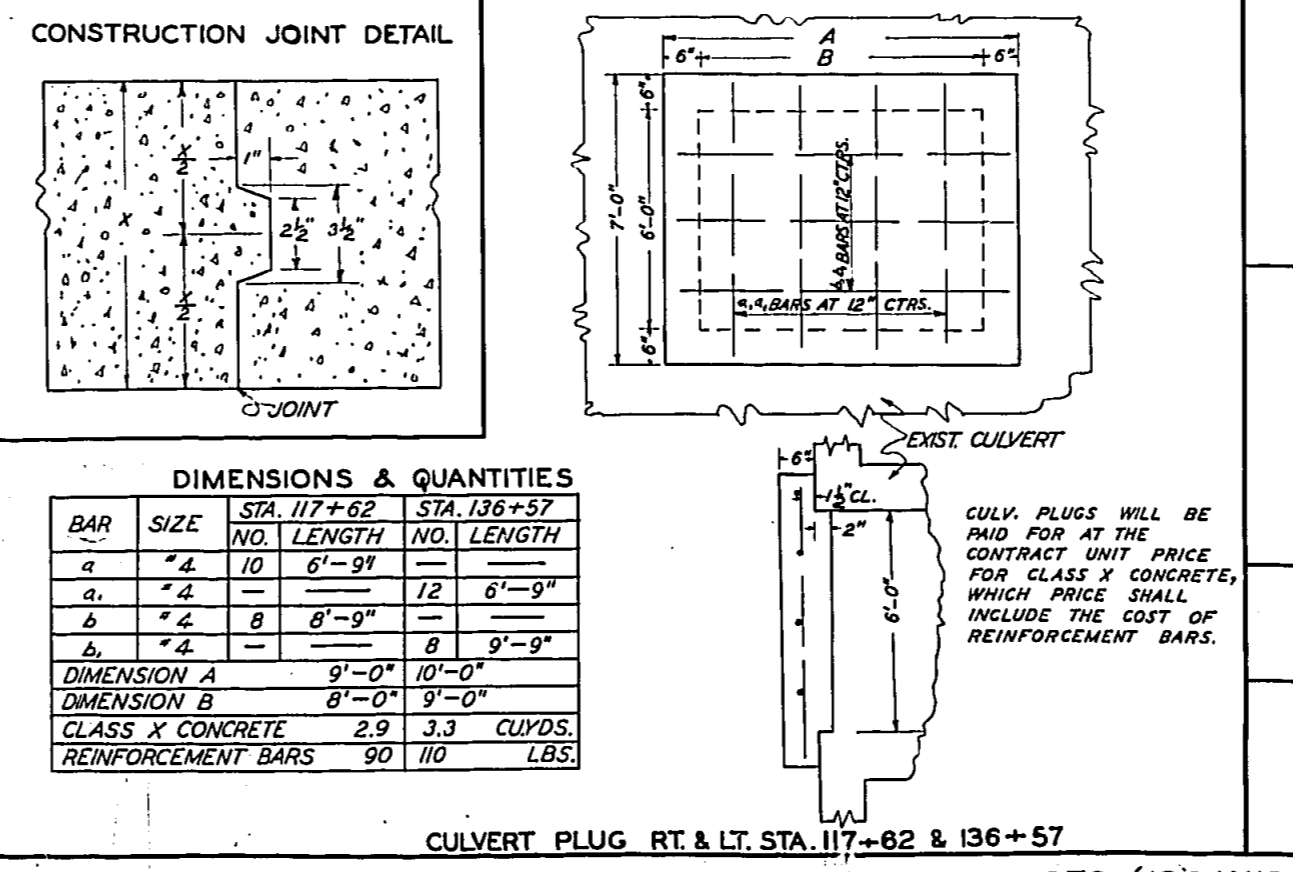
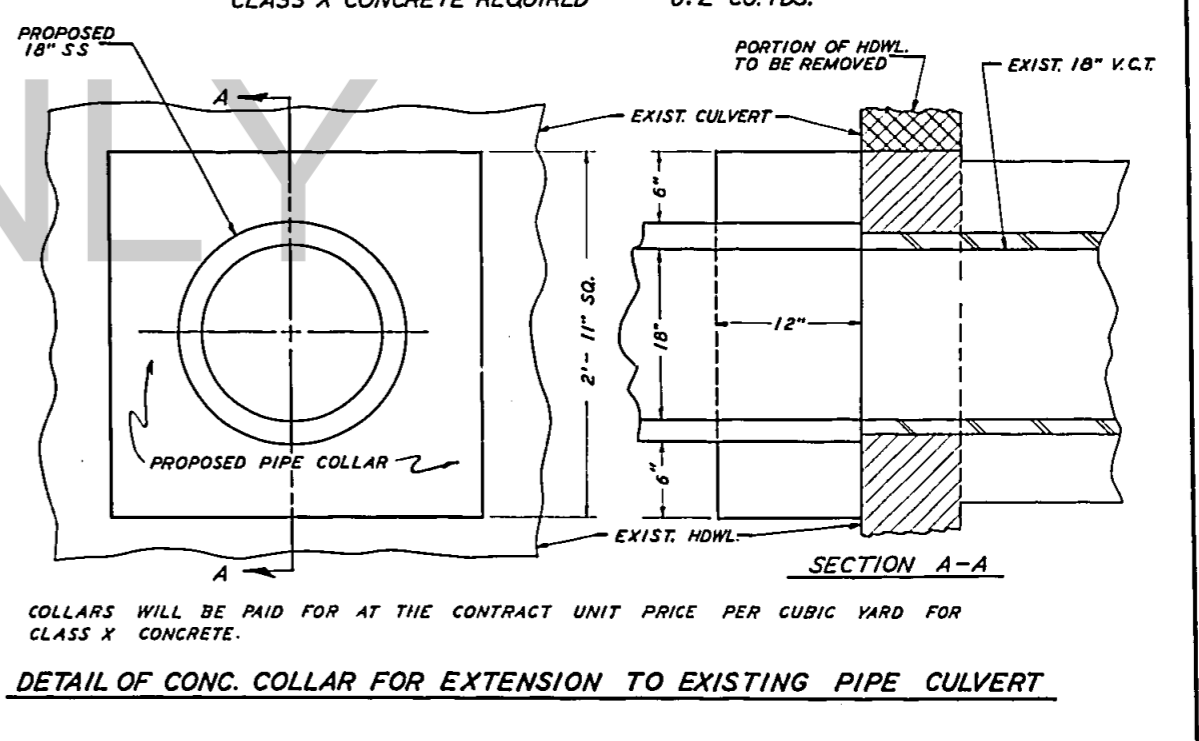
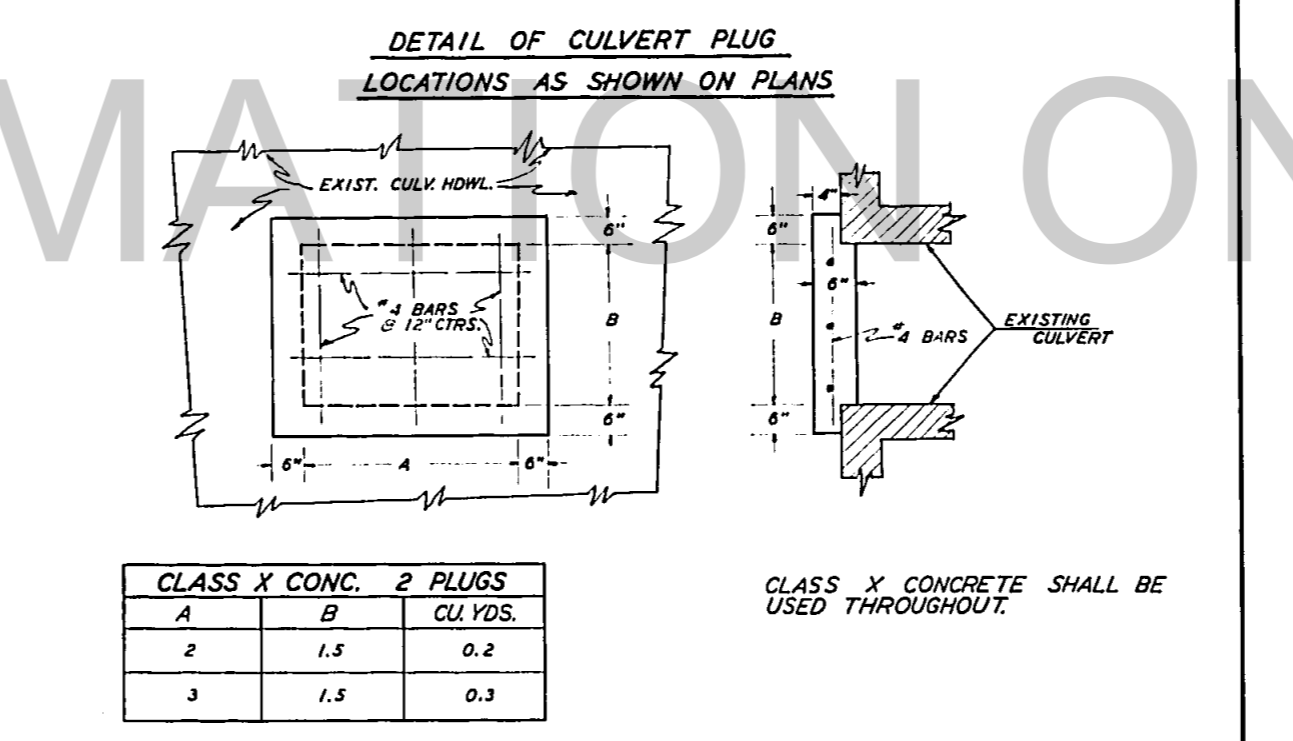
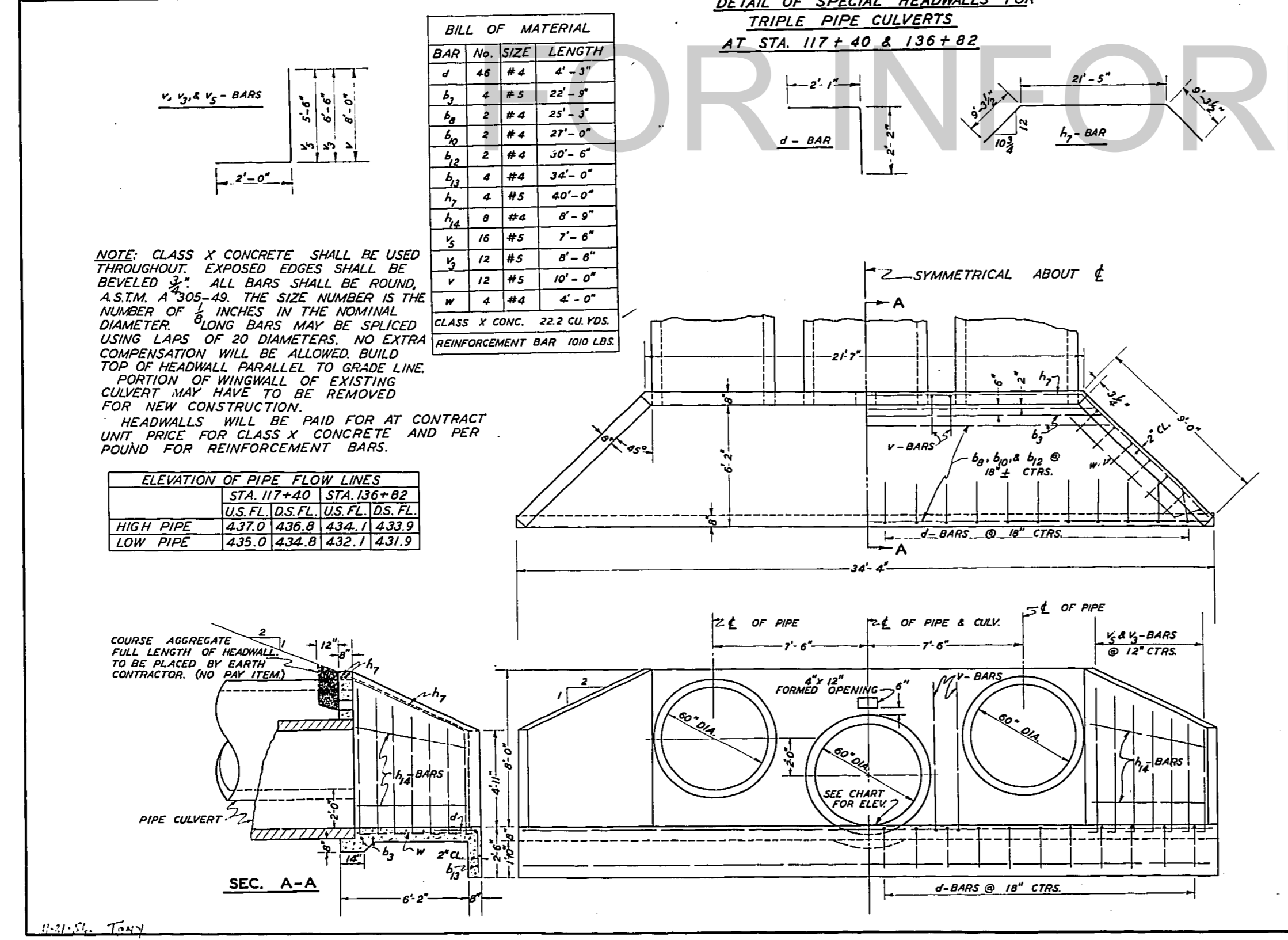
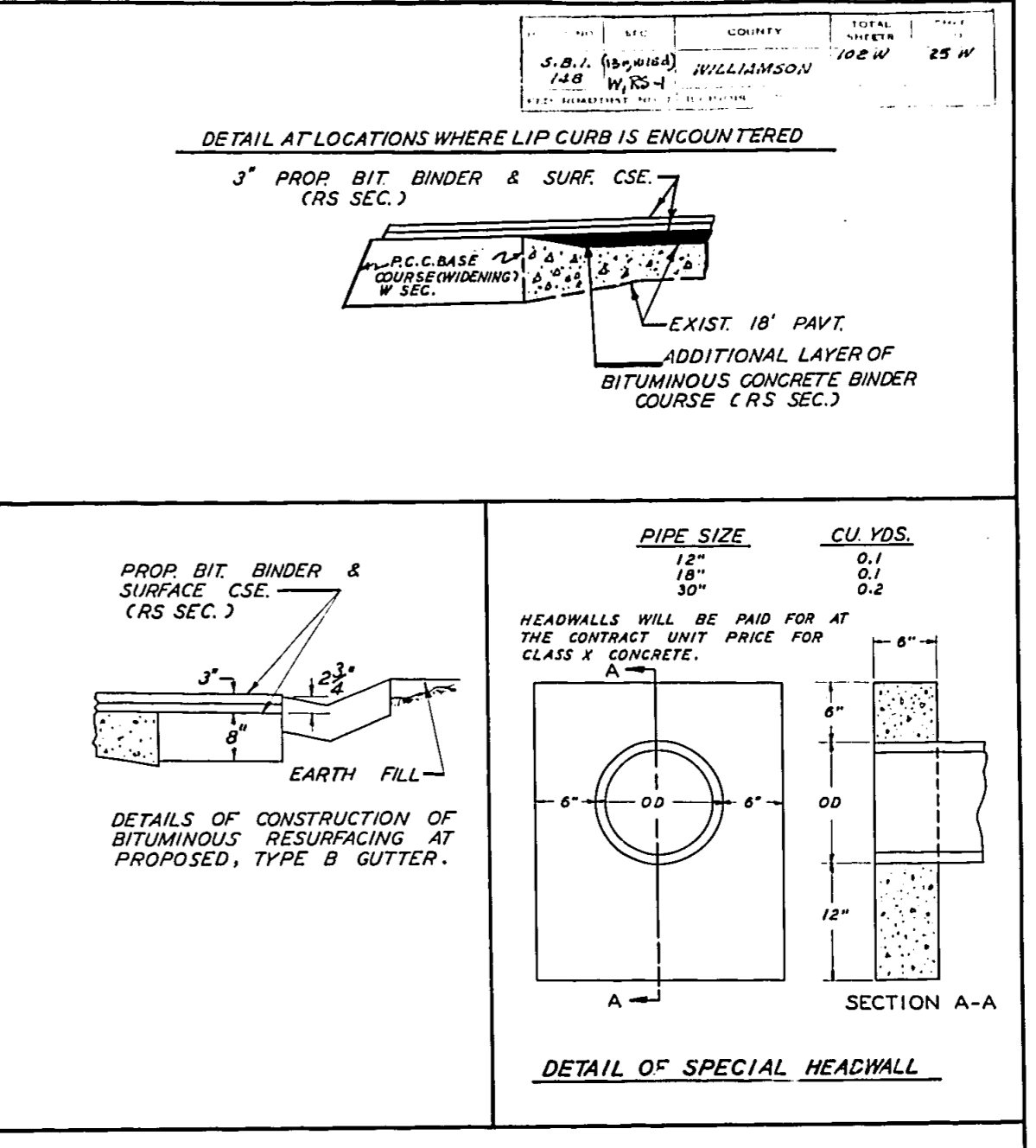
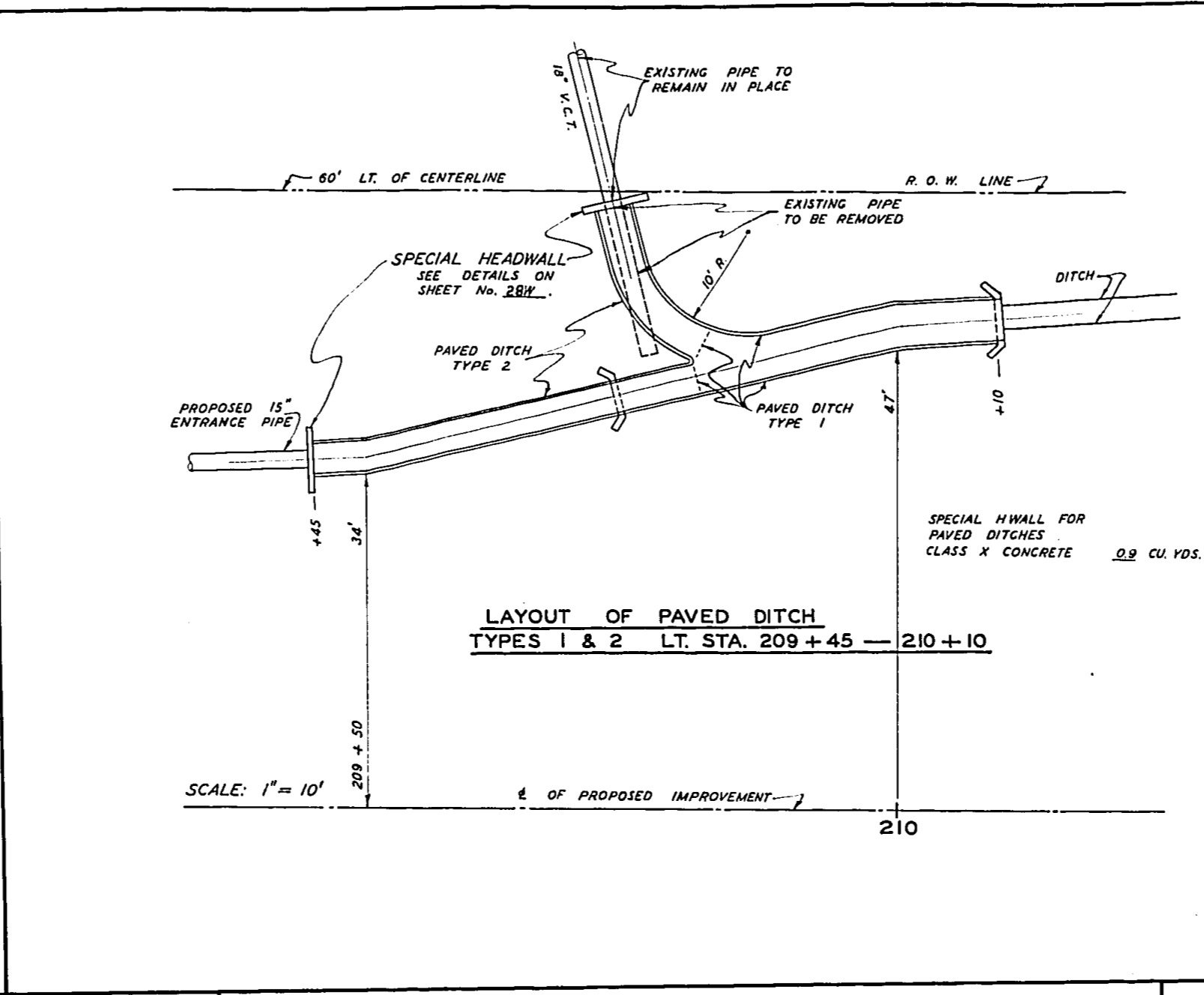
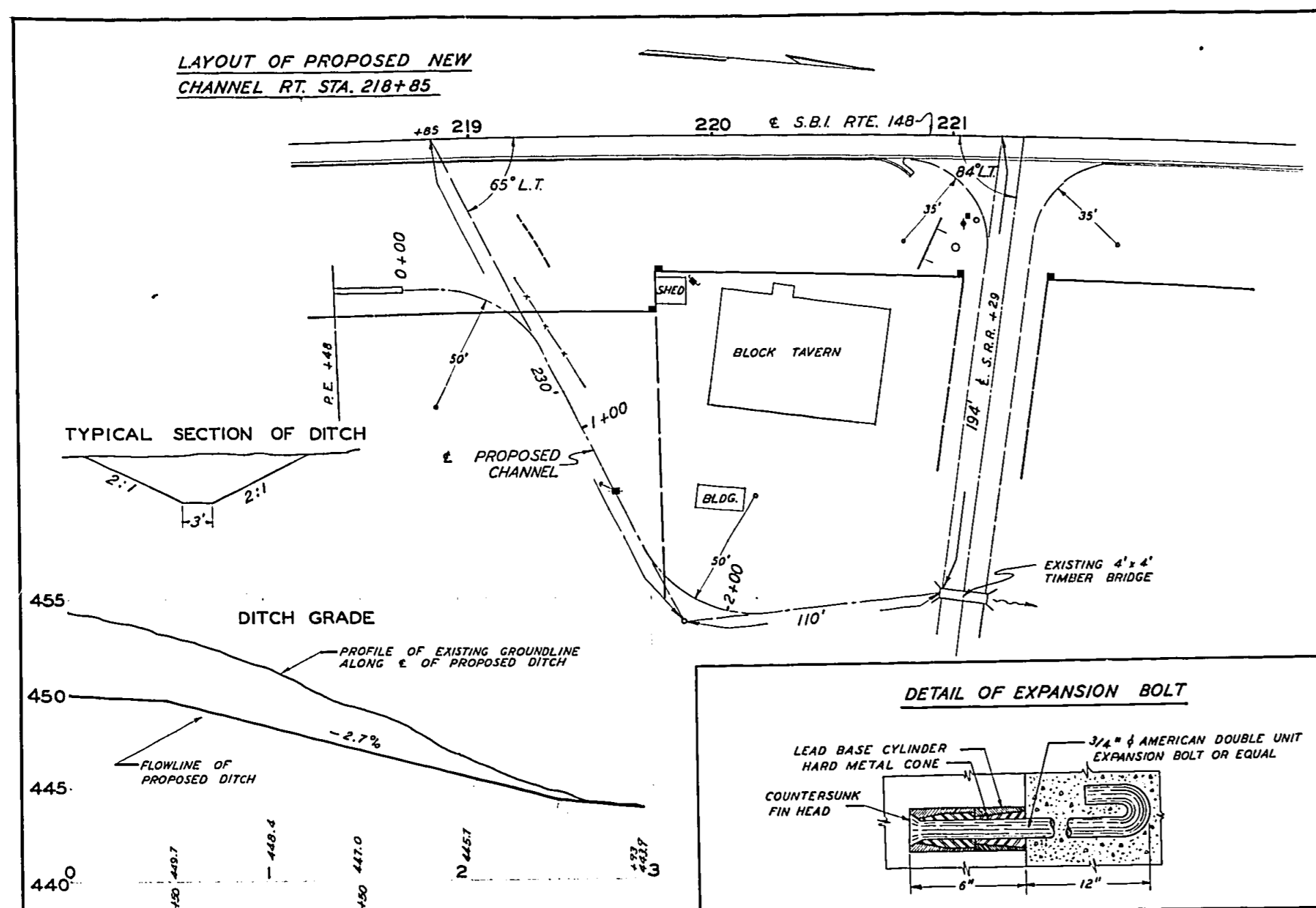
LEGEND

PLAN	ITEM	DESCRIPTION
---	LONGITUDINAL METAL JOINT	3.60' DISTANCE FROM TC TO PAV'T. EDGE. P447.40 PAV'T. ELEV.
---	CONSTRUCTION JOINT	3.60' DISTANCE FROM TC TO BASE CRSE. EDGE B447.40 BASE CRSE. ELEV.
---	CONTRACTION JOINT	
---	COMB. CURB & GUTTER TYPE 10	+41 CENTERLINE STA. 5.80 DISTANCE FROM TC TO PAV'T. EDGE
---	COMB. CURB & GUTTER TYPE 6	6.447.89 GUTTER FL. ELEV.



S.B.I. RTE. 148 SEC. (130, W15 d) W, RS-1 WILLIAMSON CO. INTERSECTION DETAIL SBI 148 SA 16





PAVEMENT PATCHING REMOVAL & REPLACEMENT

STD. 2116				SPECIAL (B')			
TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III
NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
89	14	59	8	73	2	52	13

SUMMARY OF CLASS X CONCRETE (ENTIRE SECTION)

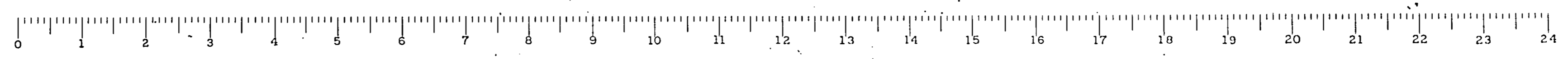
SPECIAL HEADWALLS	46.2 CU YDS.
STANDARD HEADWALLS	30.8 CU YDS.
DITCH CHECKS	11.9 CU YDS.
CULVERT PLUGS & COLLARS	6.7 CU YDS.
REINFORCED A.R. CULVERTS	122.4 CU YDS.
TOTAL	218.0 CU YDS.

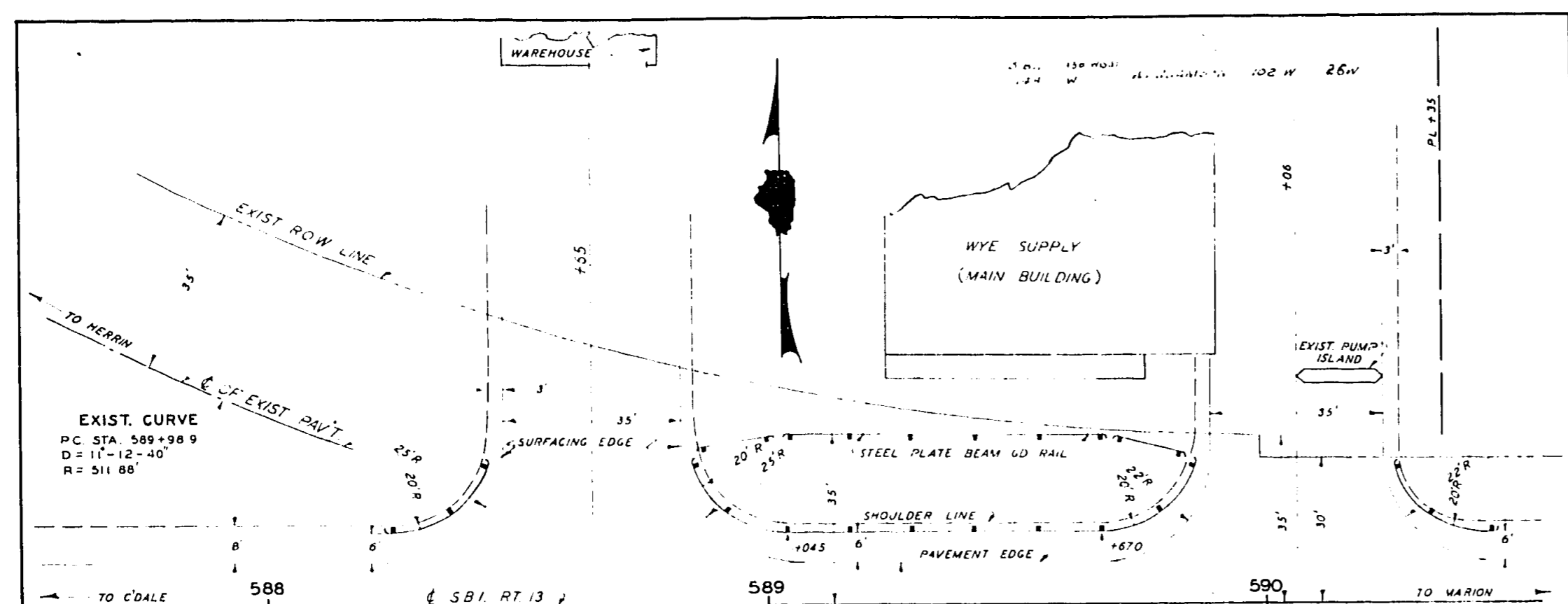
SUMMARY OF CLASS X CONCRETE (MISCELLANEOUS)

CONCRETE GUTTER OUTLETS AND ENTRANCES	91.0 CU YDS.
PAVEMENT PATCHING	—
TOTAL	91.0 CU YDS.

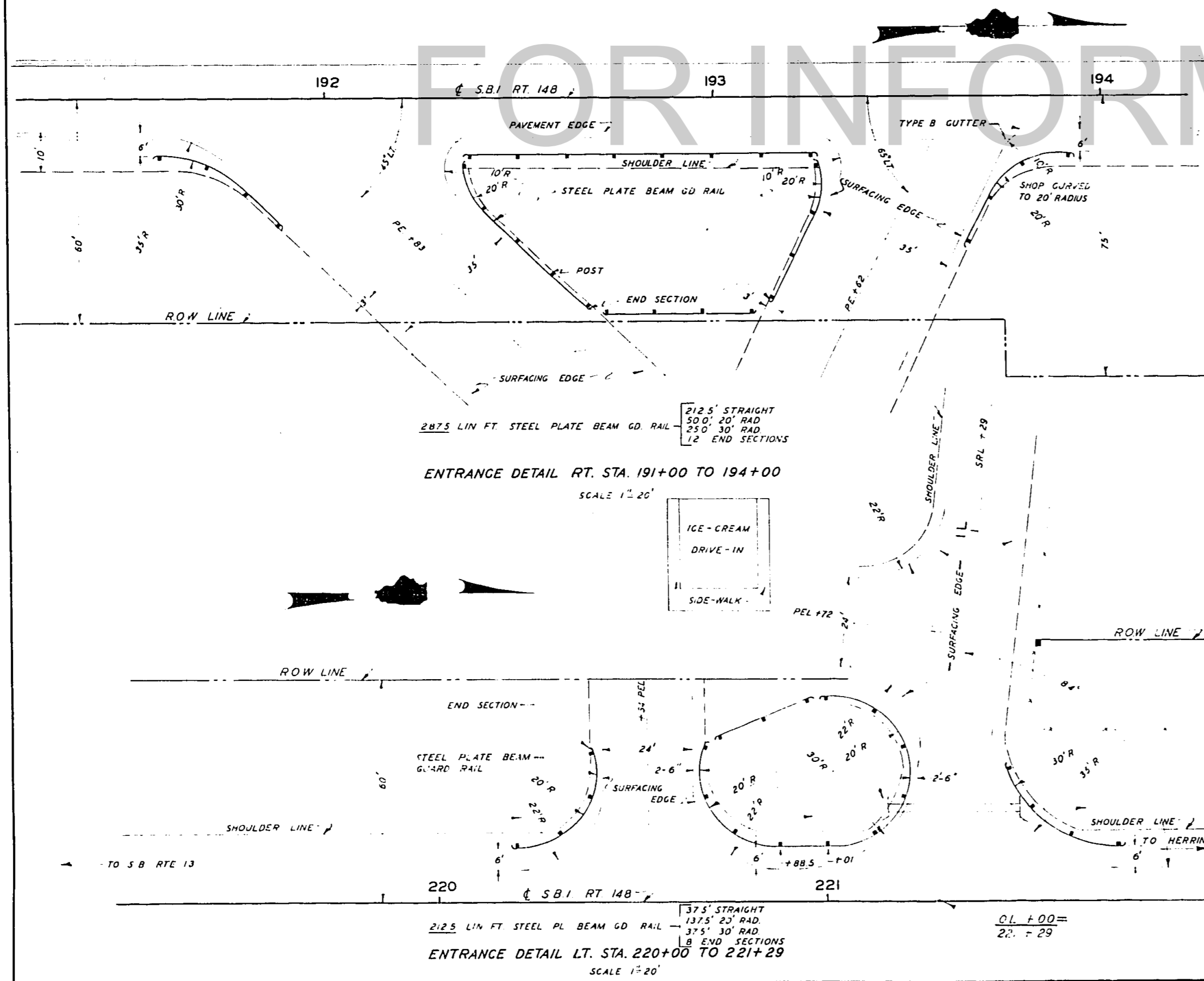
PAVEMENT REMOVAL & BITUMINOUS REPLACEMENT (CRS-1 SEC.)

STANDARD NO. 2117				SPECIAL (B'')			
TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III
NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
8	7	12	1	16	1	9	2





230.0 LIN FT STEEL PLATE BEAM GD RAIL
150.0 STRAIGHT
500' 30" RAD
12' END SECTIONS
ENTRANCE DETAIL LT. STA. 588+00 TO 590+35
SCALE 1"=20'

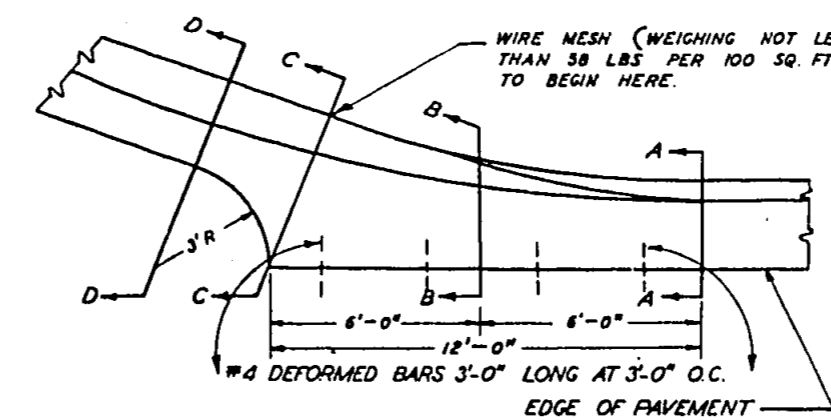


287.5 LIN FT STEEL PLATE BEAM GD RAIL
210.0 STRAIGHT
500' 30" RAD
250' 30" RAD
12' END SECTIONS
ENTRANCE DETAIL RT. STA. 191+00 TO 194+00
SCALE 1"=20'

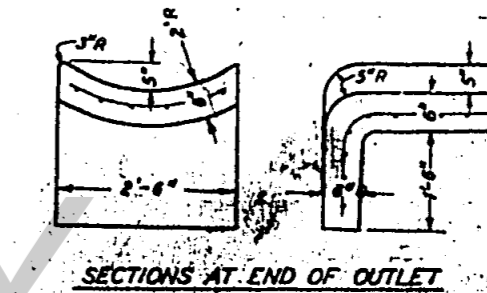
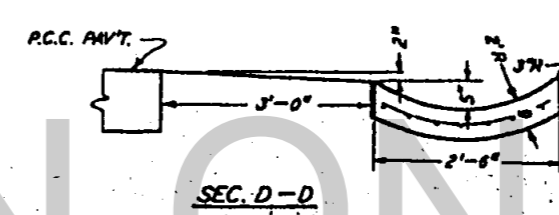
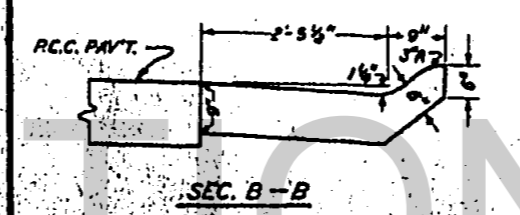
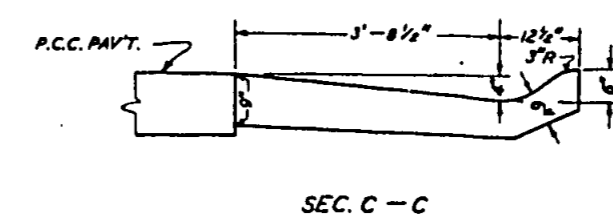
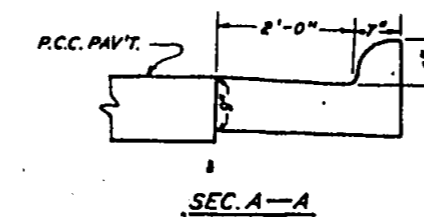
212.5 LIN FT STEEL PL. BEAM GD RAIL
137.5 STRAIGHT
137.5' 30" RAD
37.5' 30" RAD
37.5' END SECTIONS
ENTRANCE DETAIL LT. STA. 220+00 TO 221+29
SCALE 1"=20'

OUTLET SPECIAL FOR TYPE 6
CONCRETE CURB AND GUTTER

S.B.L. (10/14/43)
148 W. WILLIAMSON 102 W 26 W



NOTE: CLASS X CONCRETE SHALL BE USED THROUGHOUT. OUTLET SPECIAL SHALL BE TIED TO THE PAVEMENT BY #4 DEFORMED BARS 3'-0" LONG AND SPACED 3'-0" CENTERS. GUTTER OUTLET SHALL BE REINFORCED WITH WIRE MESH HAVING A WEIGHT OF AT LEAST 38 POUNDS PER 100 SQ. FT. OUTLET SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CLASS X CONCRETE (M&C) WHICH PRICE SHALL INCLUDE THE COST OF THE REINFORCEMENT AND THE WIRE MESH REINFORCEMENT. 2.5 CU. YDS. CLASS X CONCRETE ESTIMATED.



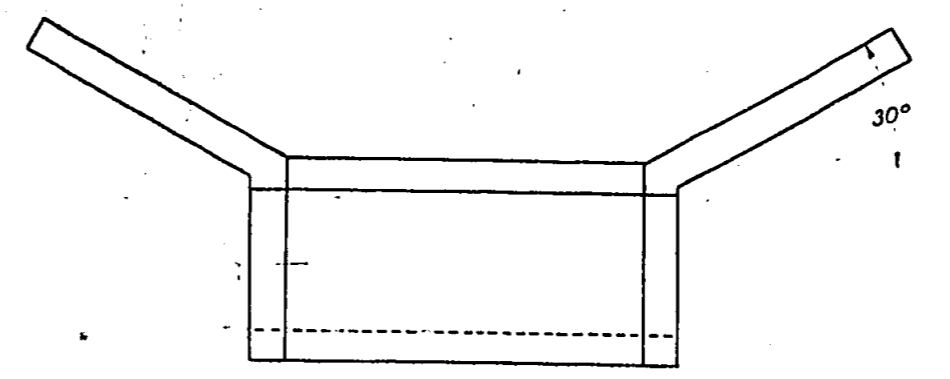
DITCH CHECK
CONCRETE

RT. NR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
148 W.	102 W.	WILLIAMSON	102 W.	26 W.

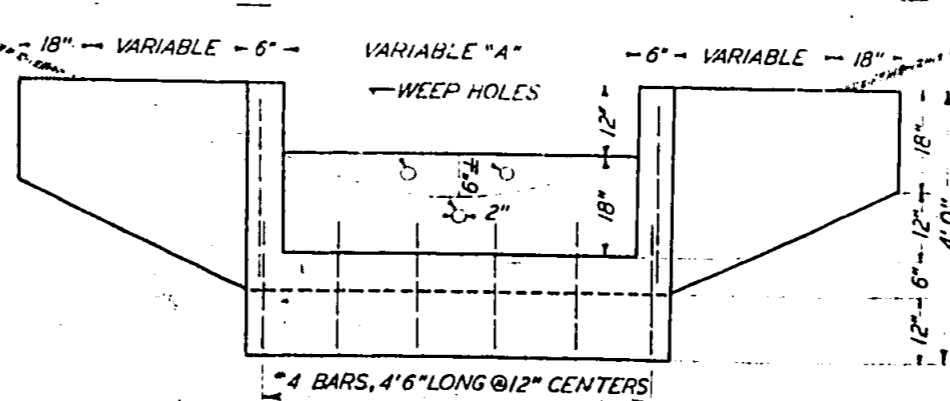
FED. ROAD DIST. NO. 111 ILLINOIS FED. AID PROJECT

GENERAL NOTES

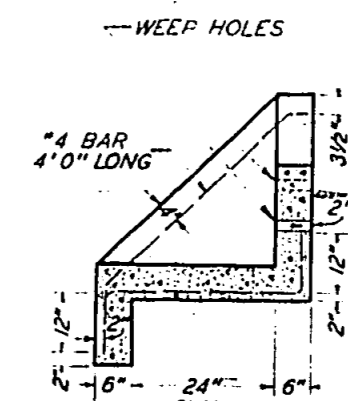
THE CONCRETE DITCH CHECKS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICES PER CU.YD. FOR "CLASS X CONCRETE" AND PER POUND FOR "REINFORCEMENT BARS". THE QUANTITY OF "CLASS X CONCRETE" AND "REINFORCEMENT BARS" IS ALSO SHOWN ON THE ROAD PLANS. WHENEVER DITCH CHECKS ARE REQUIRED THEIR LOCATION IS SHOWN ON THE PLANS.



PLAN



DOWNSTREAM ELEVATION



SECTION

QUANTITIES

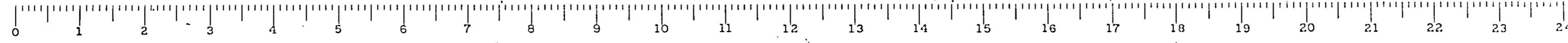
WEIR OPENING	CLASS X CONC. CU.YDS.	REIN. BARS LBS.
3.0	0.8	20
4.0	0.9	23
5.0	1.0	26
6.0	1.1	29
8.0	1.3	35

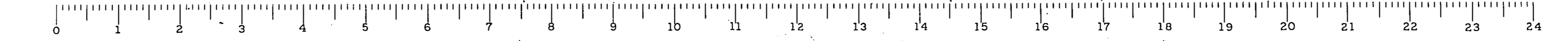
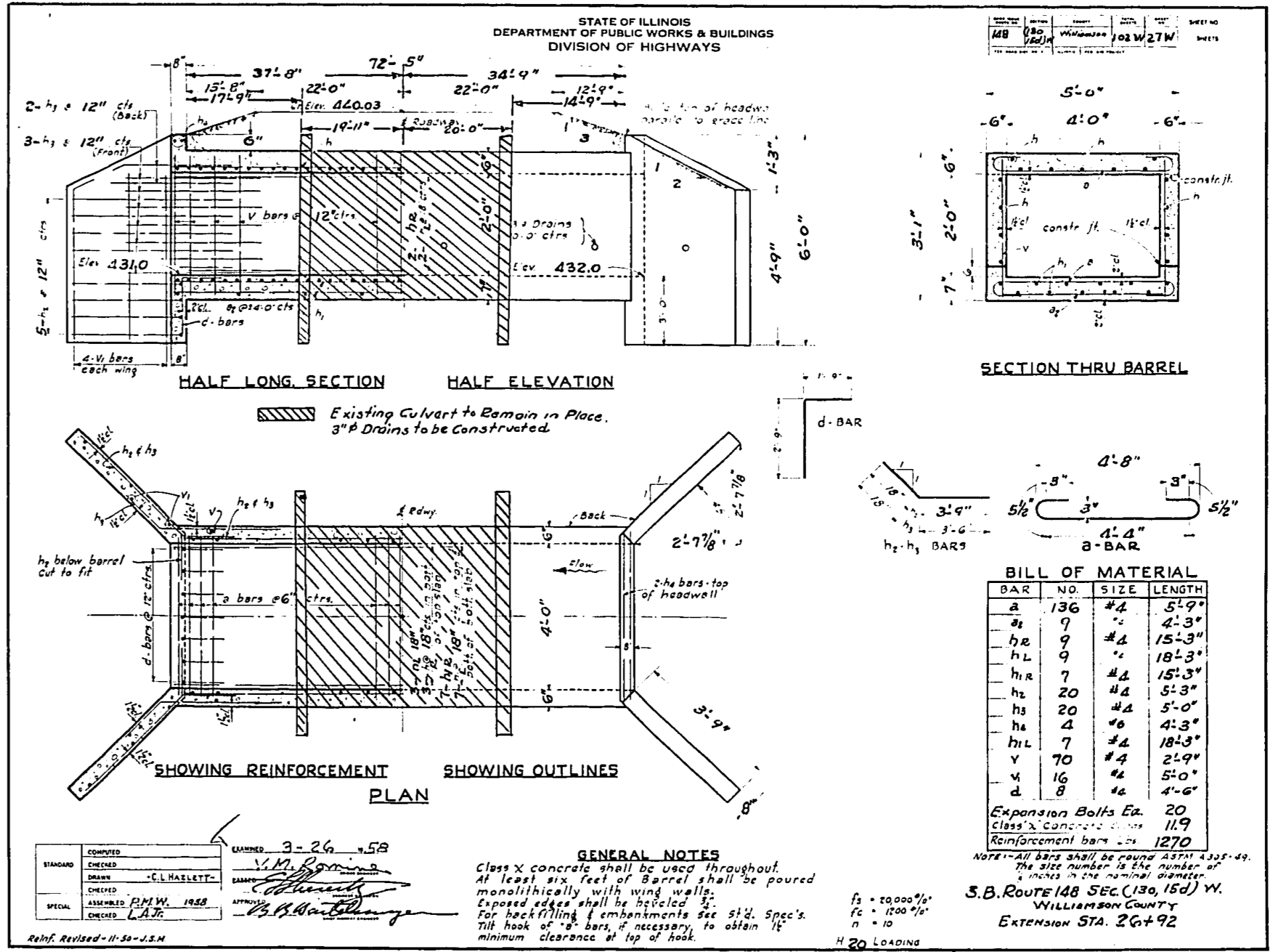
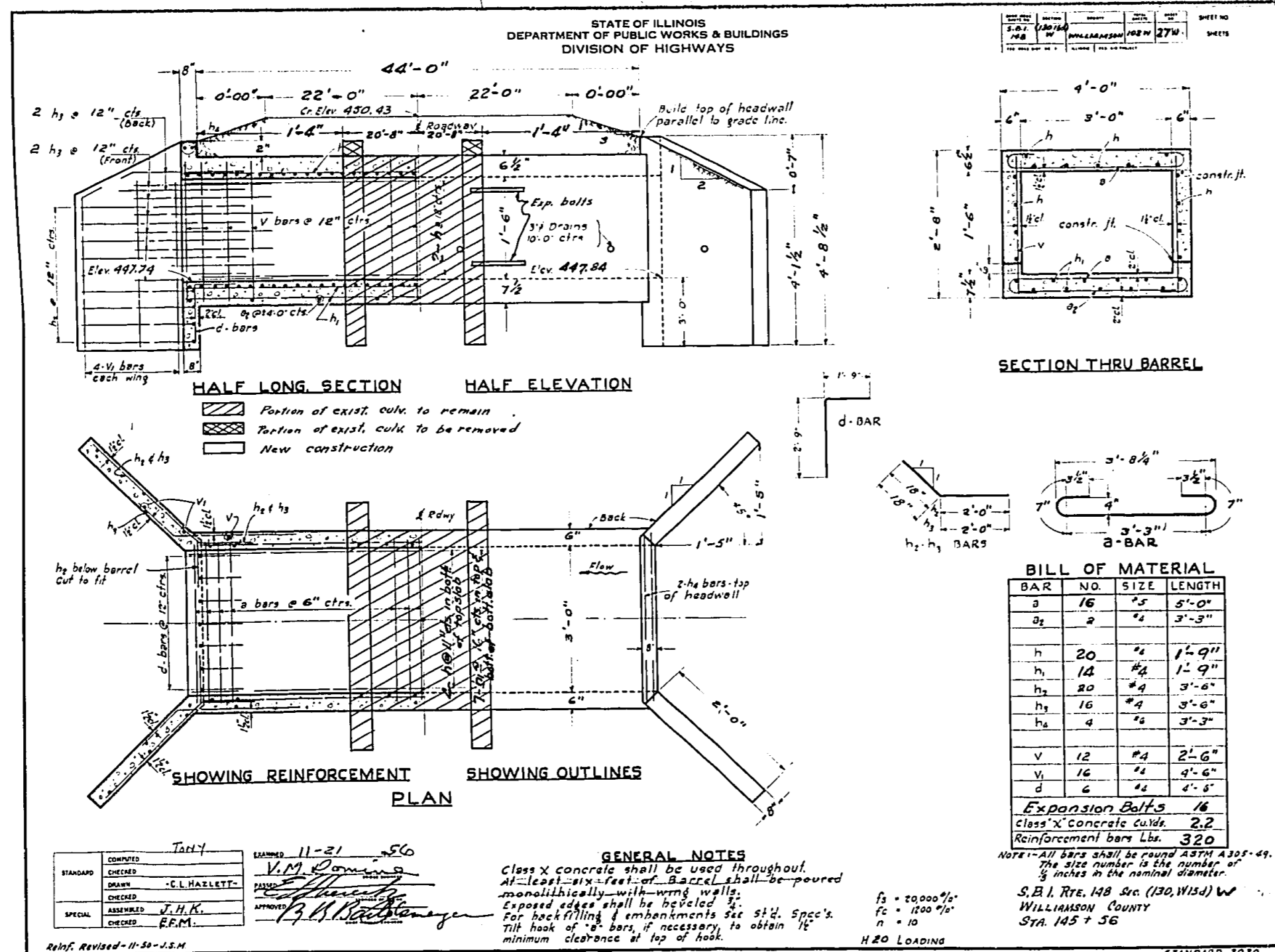
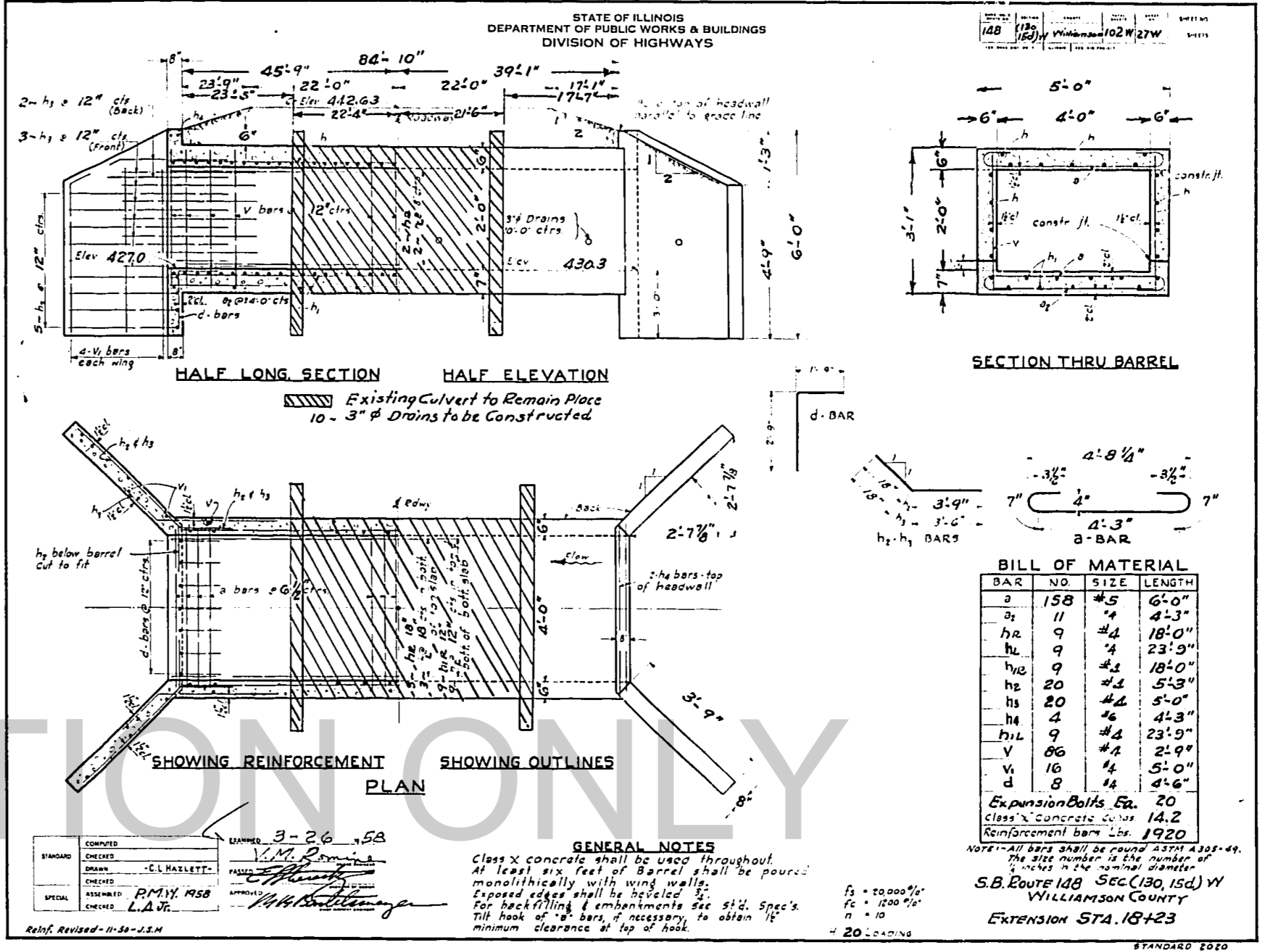
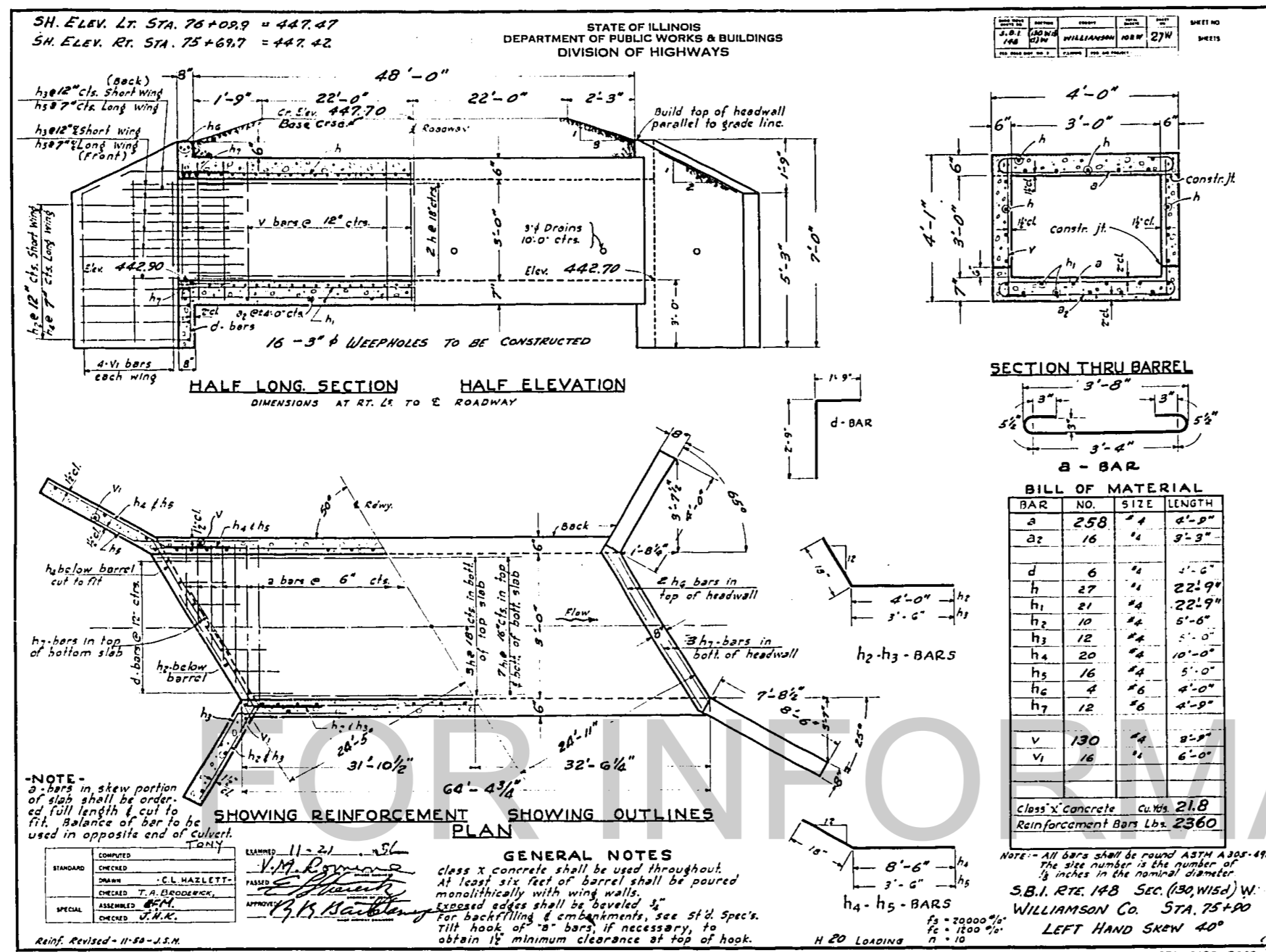
SUGGESTED VALUES OF G:

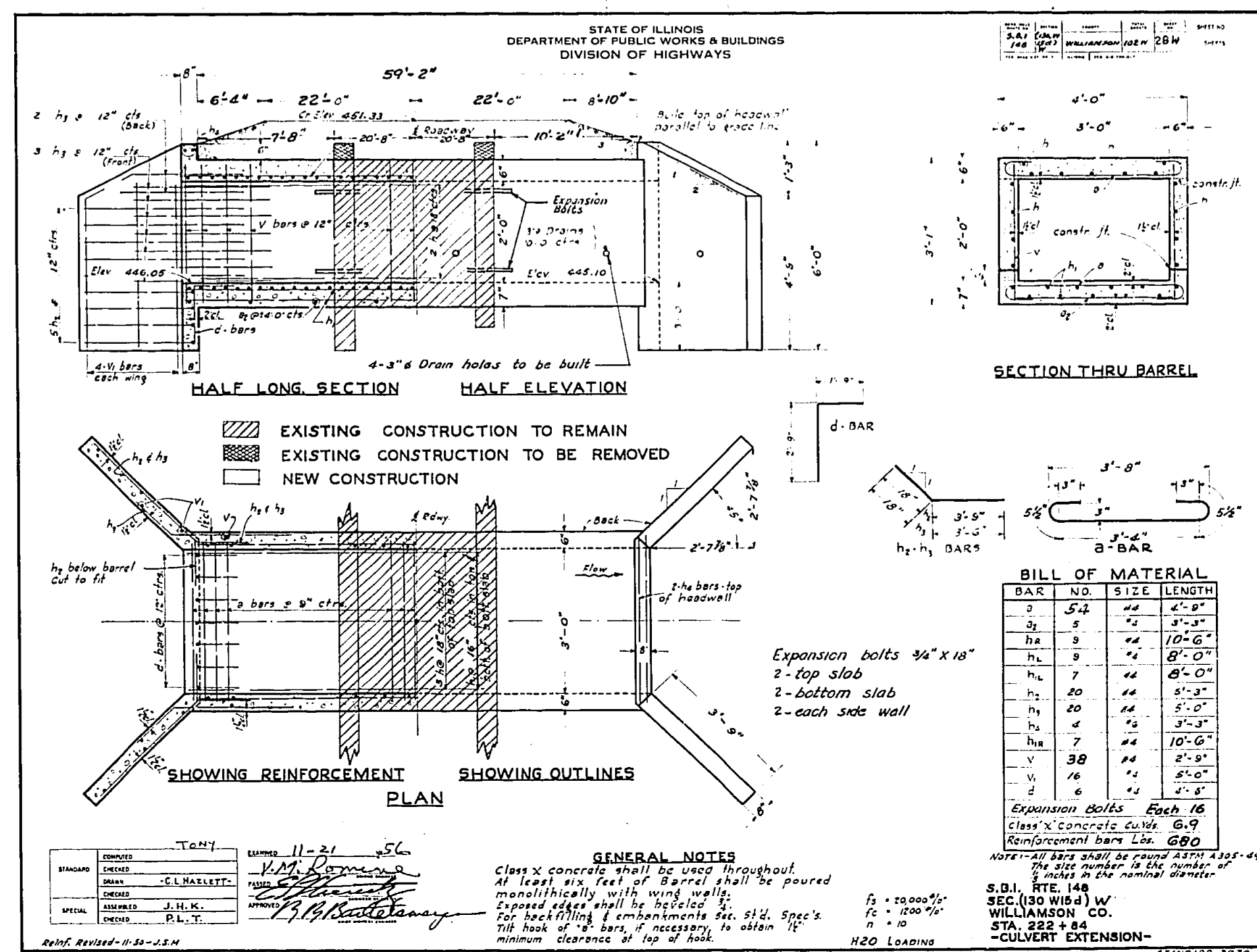
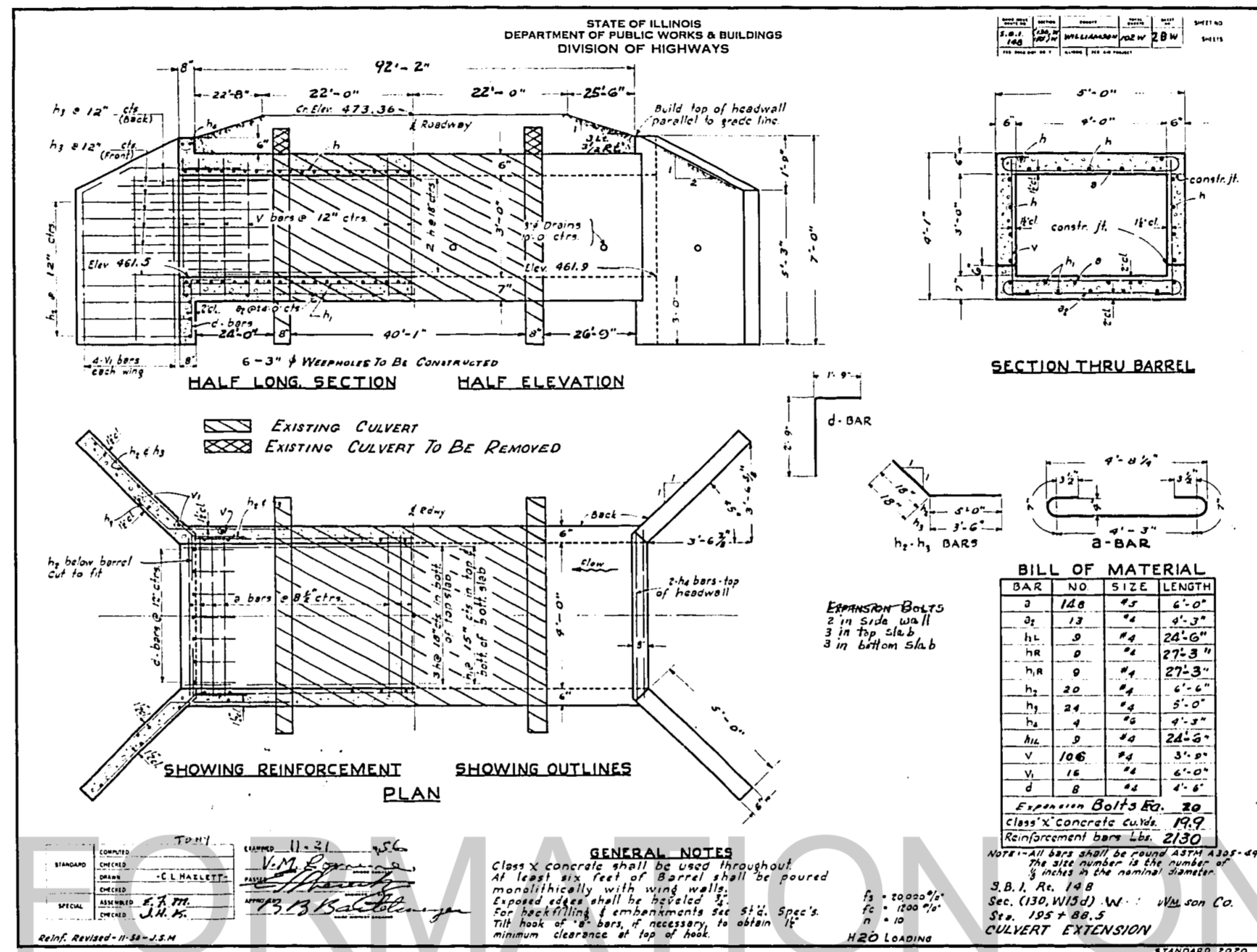
TYPE OF SOIL	G.
COURSE SAND OR SMALL GRAV.	2.0%
FINE SAND OR SILT LOAM	1.0%
LIGHT SILT OR CLAY	0.5%

6" = GRADE OF DITCH
12" = CORRECTED GRADE
L = SPACING OF DITCH CHECKS IN STATIONS
G = GRADE OF DITCH IN %
G_a = GRADE ALLOWABLE FOR SOIL IN %

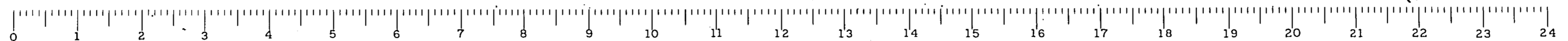
METHOD OF PLACING DITCH CHECKS

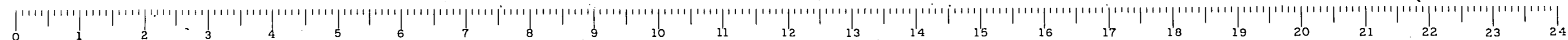
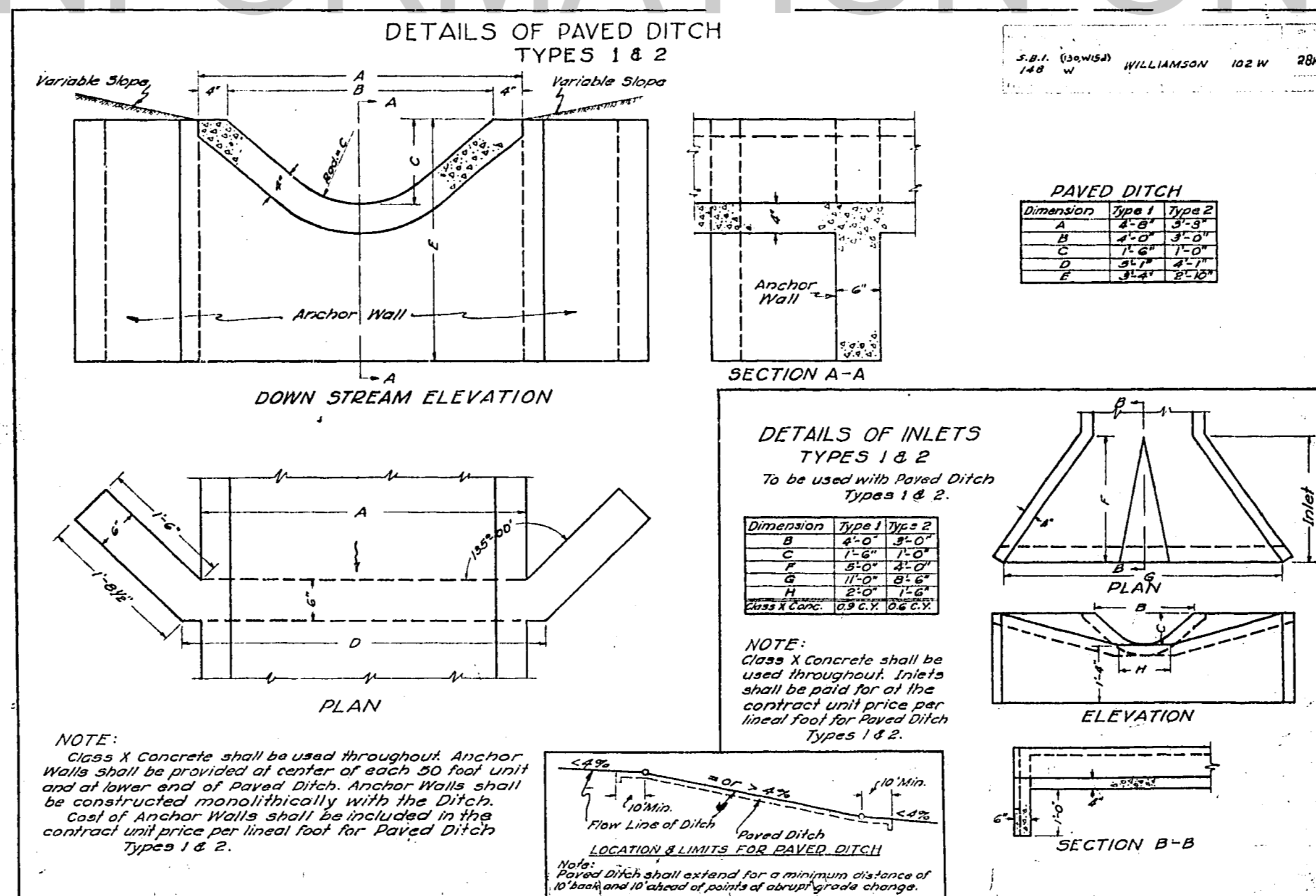
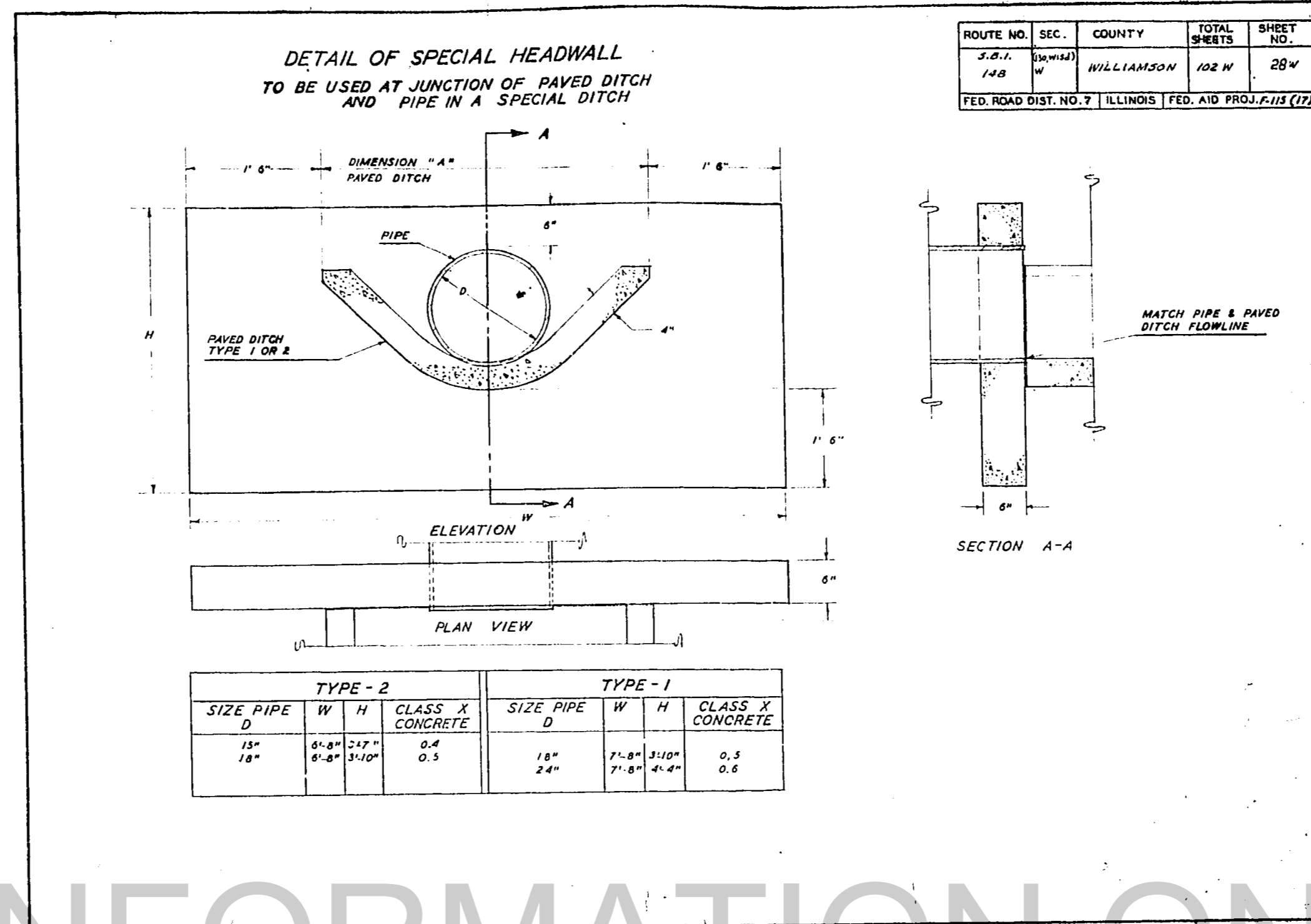






FOR INFORMATION ONLY



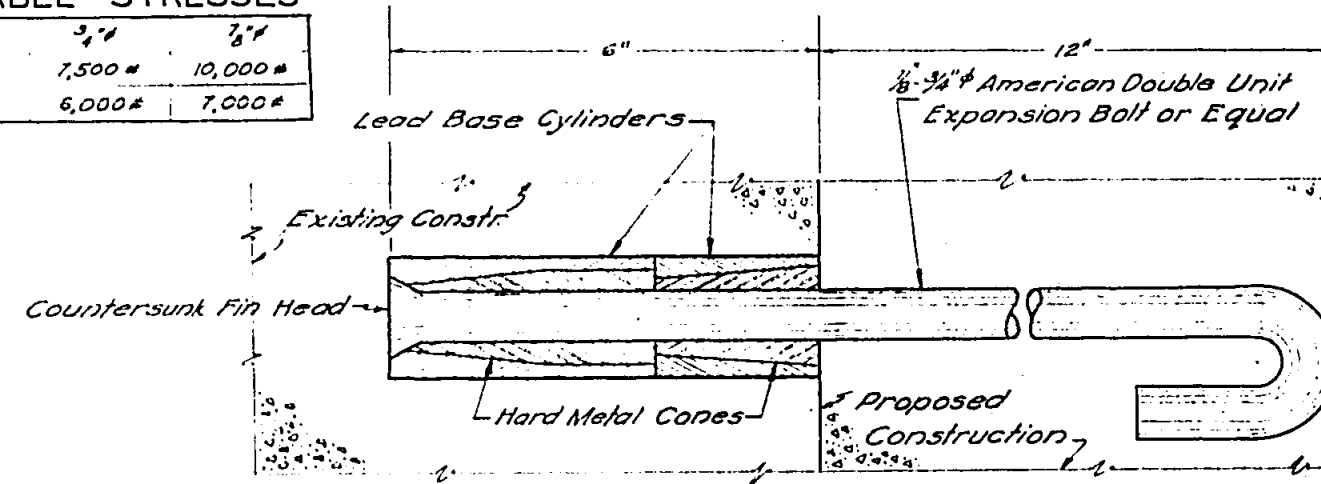


INDEX NO.	REV.	COMMIT.	TOTAL SHEETS	SHEET NO.
148	02/19/50	Williamson	102 W	214

DETAIL OF EXPANSION BOLT

ALLOWABLE STRESSES

	3/4"	1"
Tension	7,500 #	10,000 #
Shear	6,000 #	7,000 #



Note: Furnishing the expansion bolts, driving bolts, and installing the bolts complete in place will be paid for of the contract unit price each for EXPANSION BOLTS.

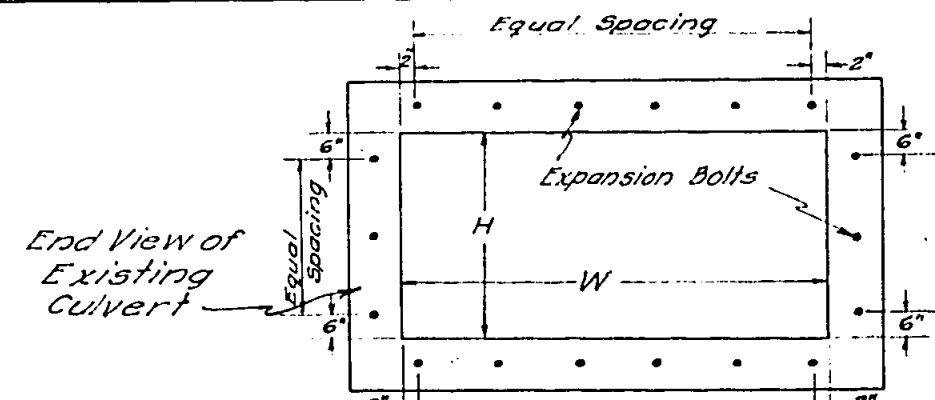


TABLE OF EXPANSION BOLTS REQUIRED FOR ONE END OF CULVERT

Number Bolts for Top & Bottom Slabs		Number Bolts for both Walls	
W-ft. No. Bolts	H-ft. No. Bolts	W-ft. No. Bolts	H-ft. No. Bolts
3	6	3	4
4	6	4	6
5	8	5	8
6	8	6	8
7	10	7	8
8	10	8	10
9	12	9	10
10	12	10	12
11	14	11	12
12	14	12	14

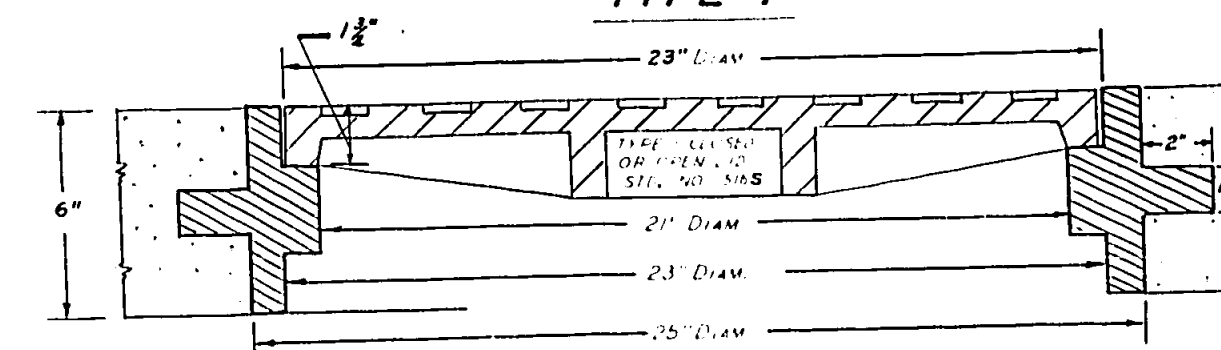
DETAIL SHOWING PLACING OF EXPANSION BOLTS WHEN USED FOR CULVERT EXTENSIONS

NOTE: Total required = Number for Walls + Number for Slabs. The number of Expansion Bolts at each location is shown on the Plans.

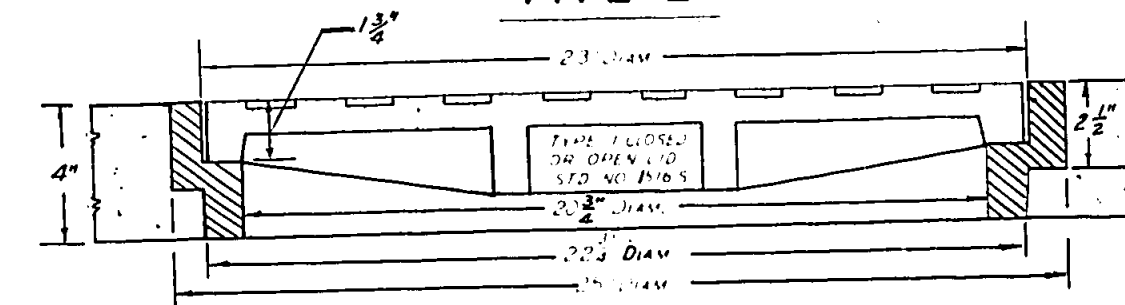
DETAILS OF CAST IRON FRAME, SPECIAL TYPE 1 AND TYPE 2

S.D. I. 030,060 WILLIAMSON 102 W 29 W 148 W

TYPE 1

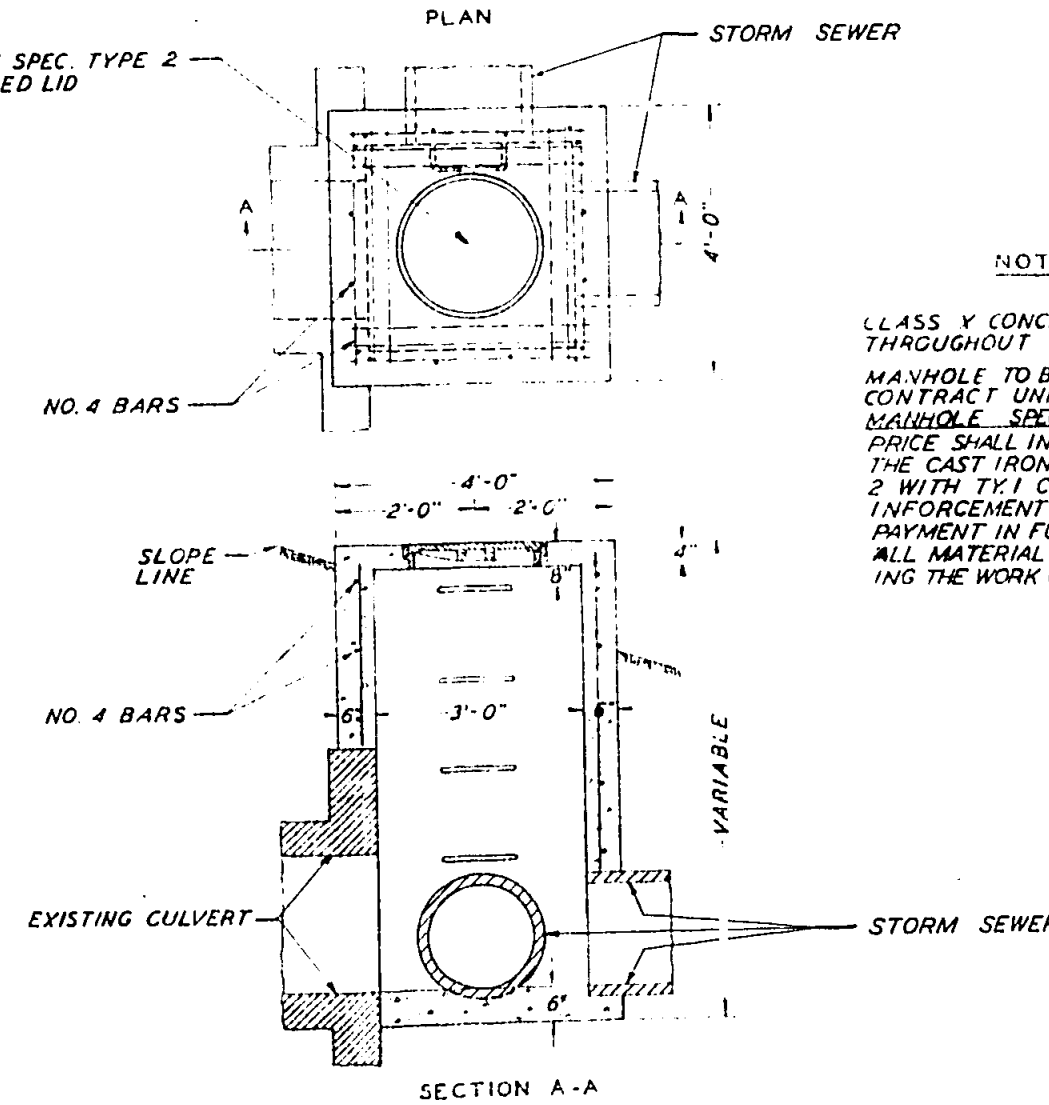


TYPE 2



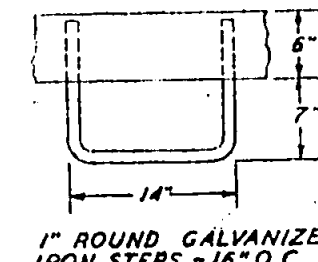
MANHOLE SPECIAL TYPE II

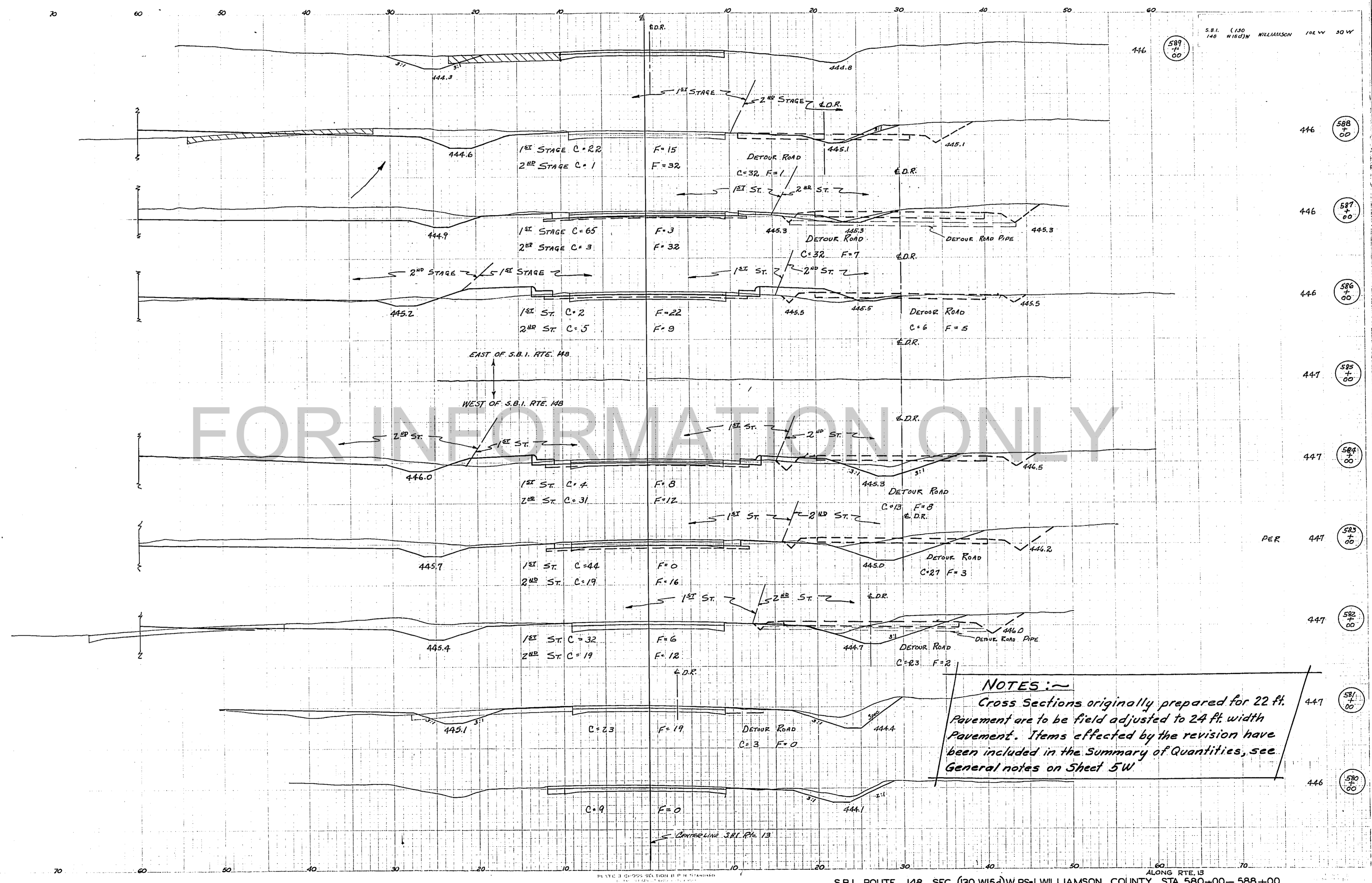
CAST IRON FRAME SPEC TYPE 2 WITH TYPE 1 CLOSED LID STD. 15165



NOTES
CLASS Y CONCRETE TO BE USED THROUGHOUT
MANHOLE TO BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLE SPECIAL TYPE II, WHICH PRICE SHALL INCLUDE THE COST OF THE CAST IRON FRAME, SPECIAL TYPE 2 WITH TYPE 1 CLOSED LID AND REINFORCEMENT BARS, AND SHALL BE PAYMENT IN FULL FOR FURNISHING ALL MATERIAL AND FOR CONSTRUCTING THE WORK COMPLETE IN PLACE.

DETAIL OF STEPS





NOTES:
 Cross Sections originally prepared for 22 ft. Pavement are to be field adjusted to 24 ft. width Pavement. Items effected by the revision have been included in the Summary of Quantities, see General notes on Sheet 5W.

S.B.I. ROUTE 148 SEC. (30, W15d) W, RS-1 WILLIAMSON COUNTY STA. 580+00 - 588+00



S.B.I. (100
148 N 120)W WILLIAMSON 102Y 3/14

FINAL
SURVEY
DATE
BY

DATE
BY

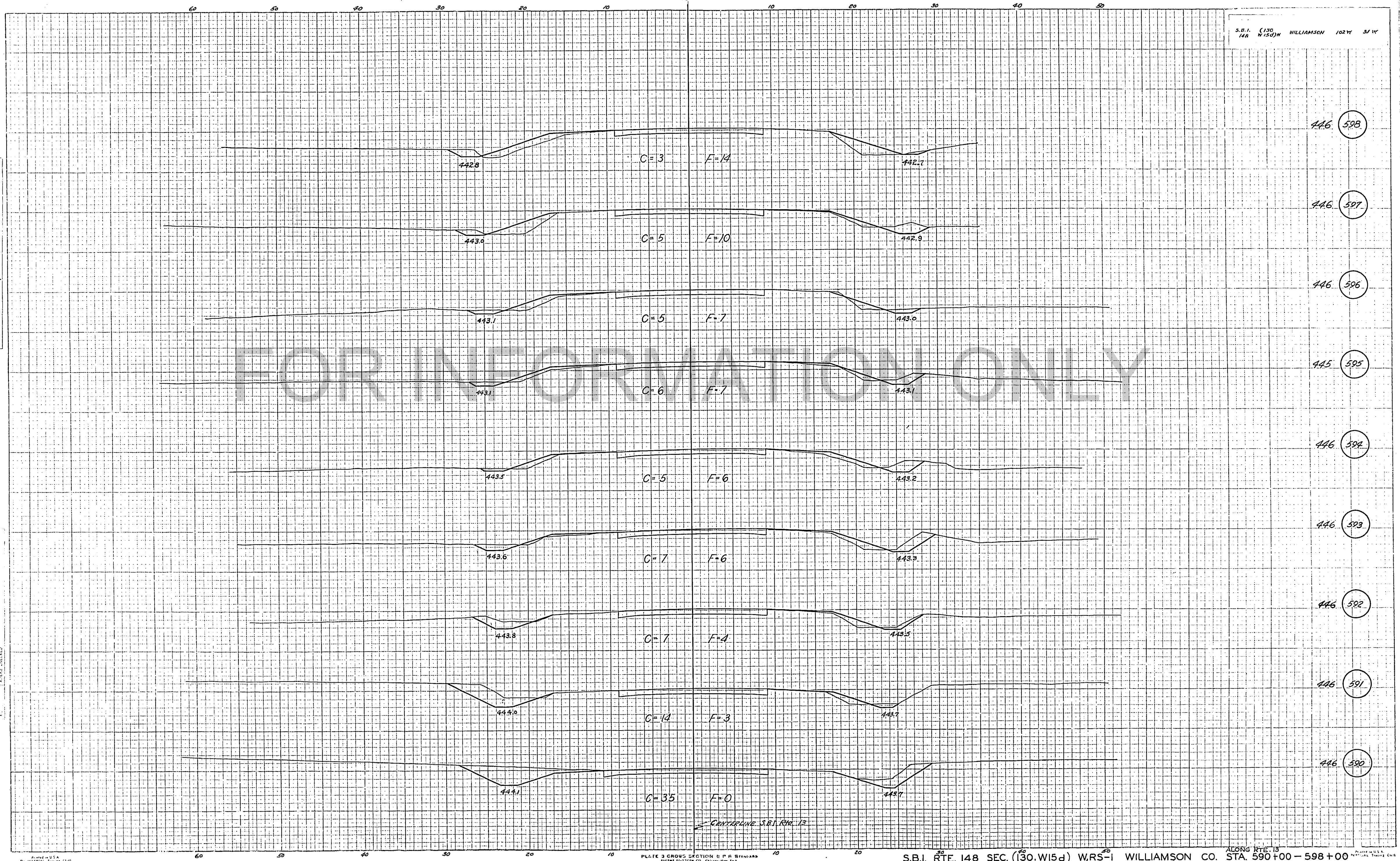
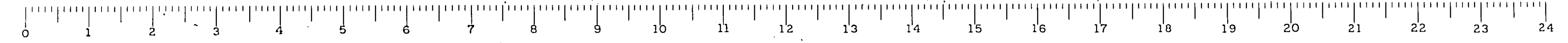
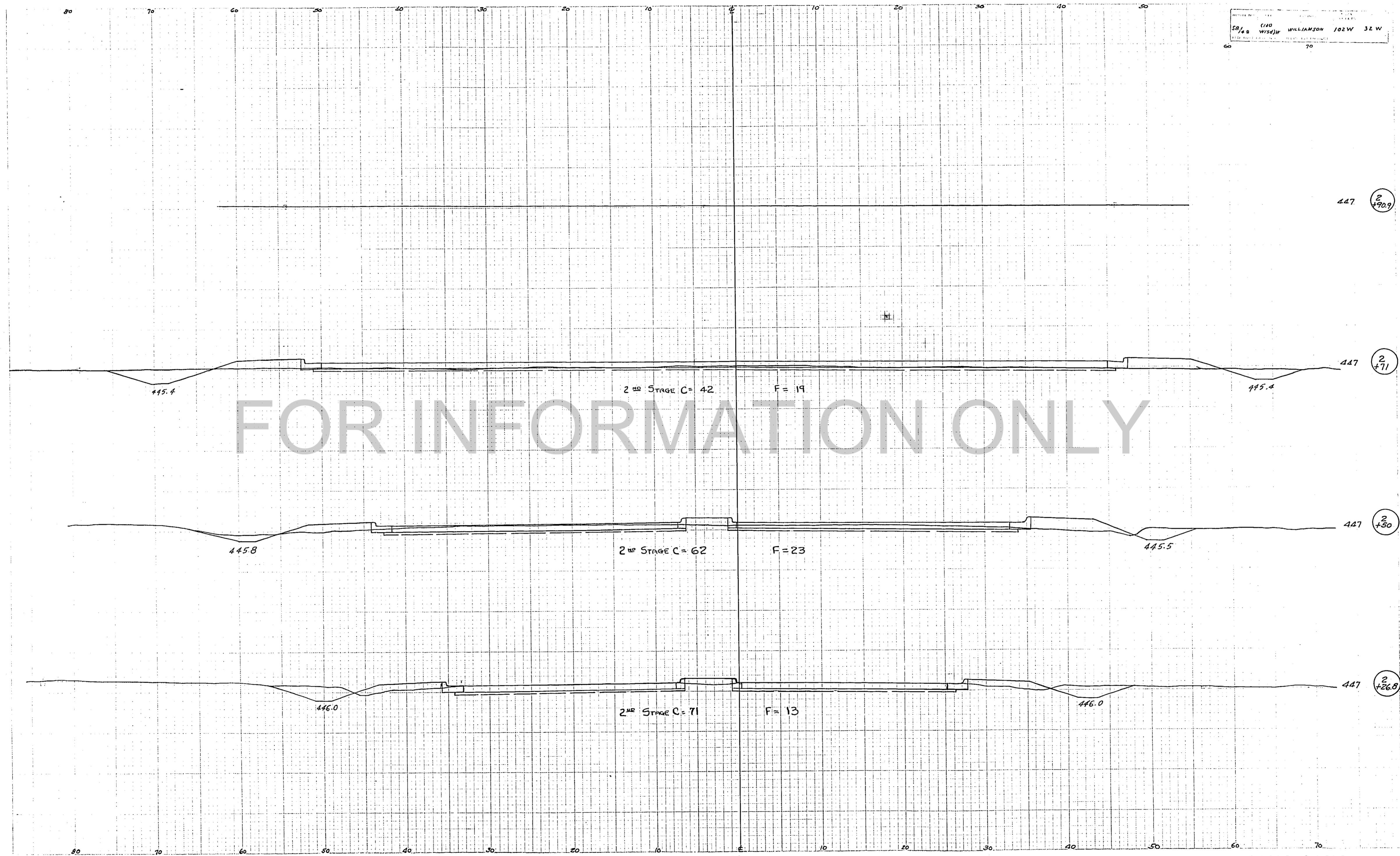


PLATE 3 CROSS SECTIONS OF P.M. ROAD

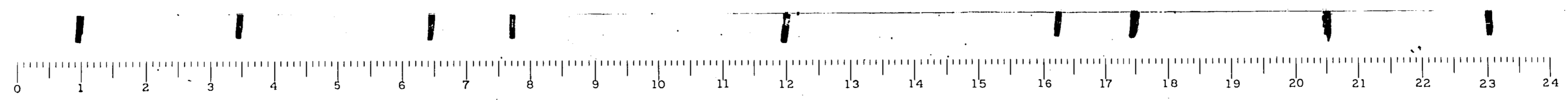
S.B.I. RTE. 148 SEC. (130.W15) WRS-1 WILLIAMSON CO. STA. 590+00 - 598+00

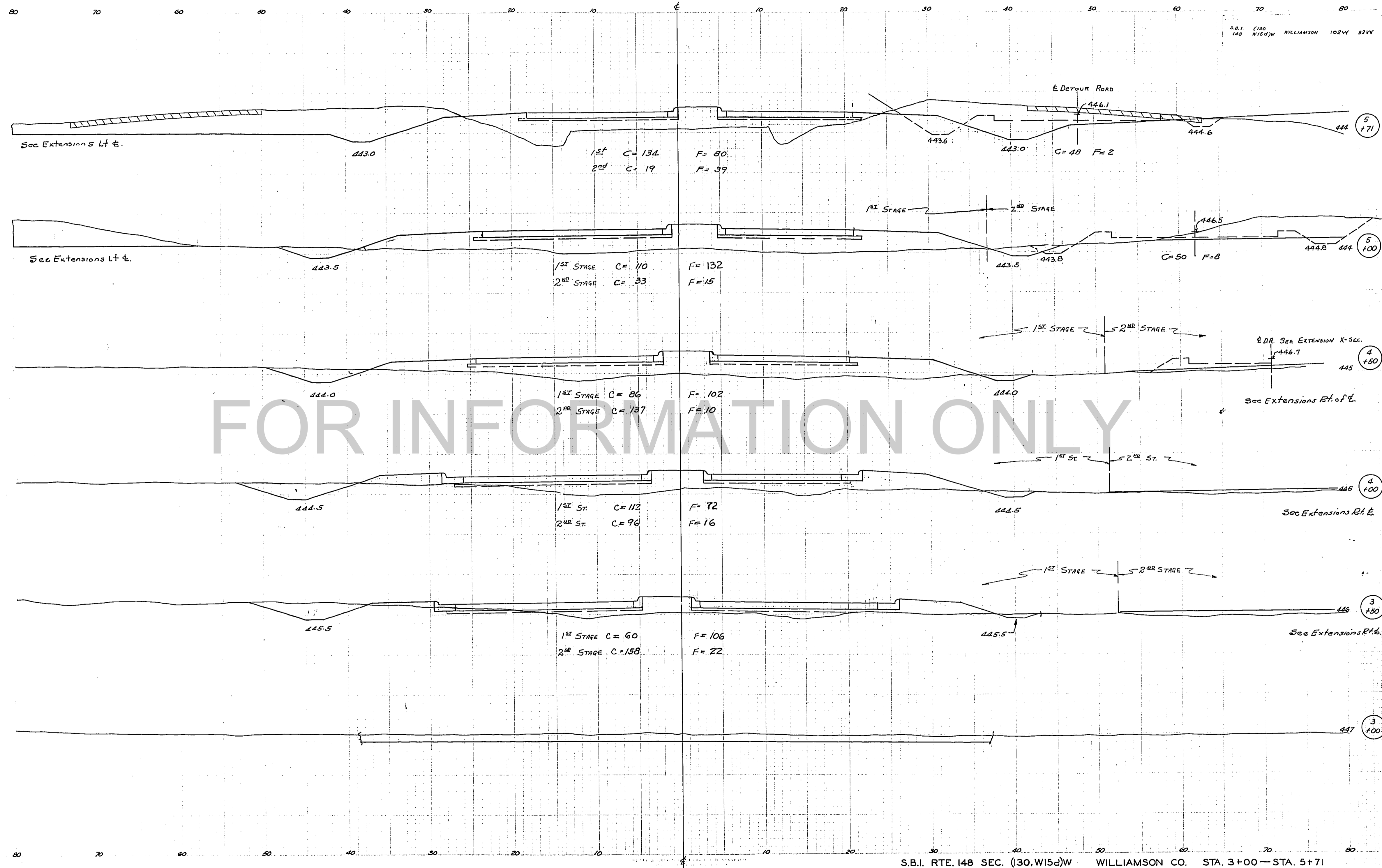


110
WILLIAMSON 102 W 32 W
59/80 W 150/11

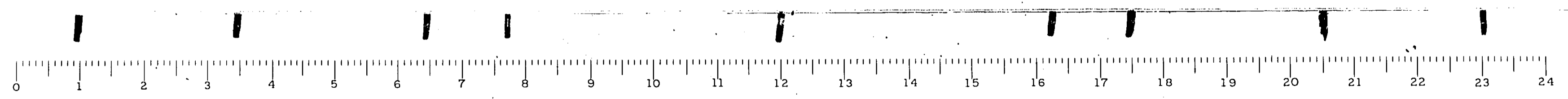


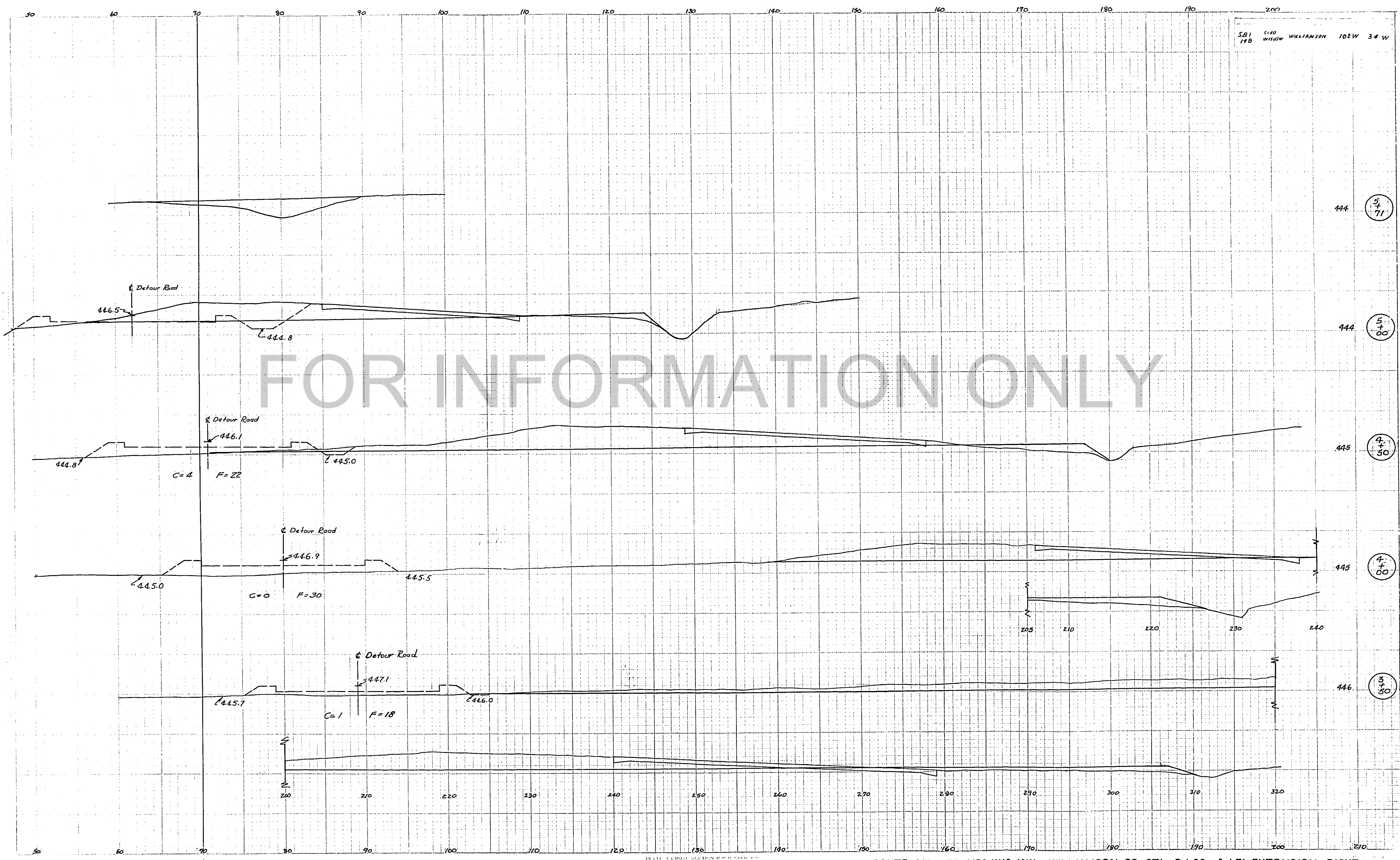
S.B. I. ROUTE 148 SEC. (130, W 15) W WILLIAMSON CO. STA. 2+26.8 - 2+90.9



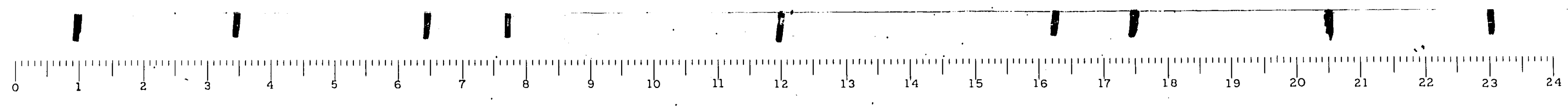


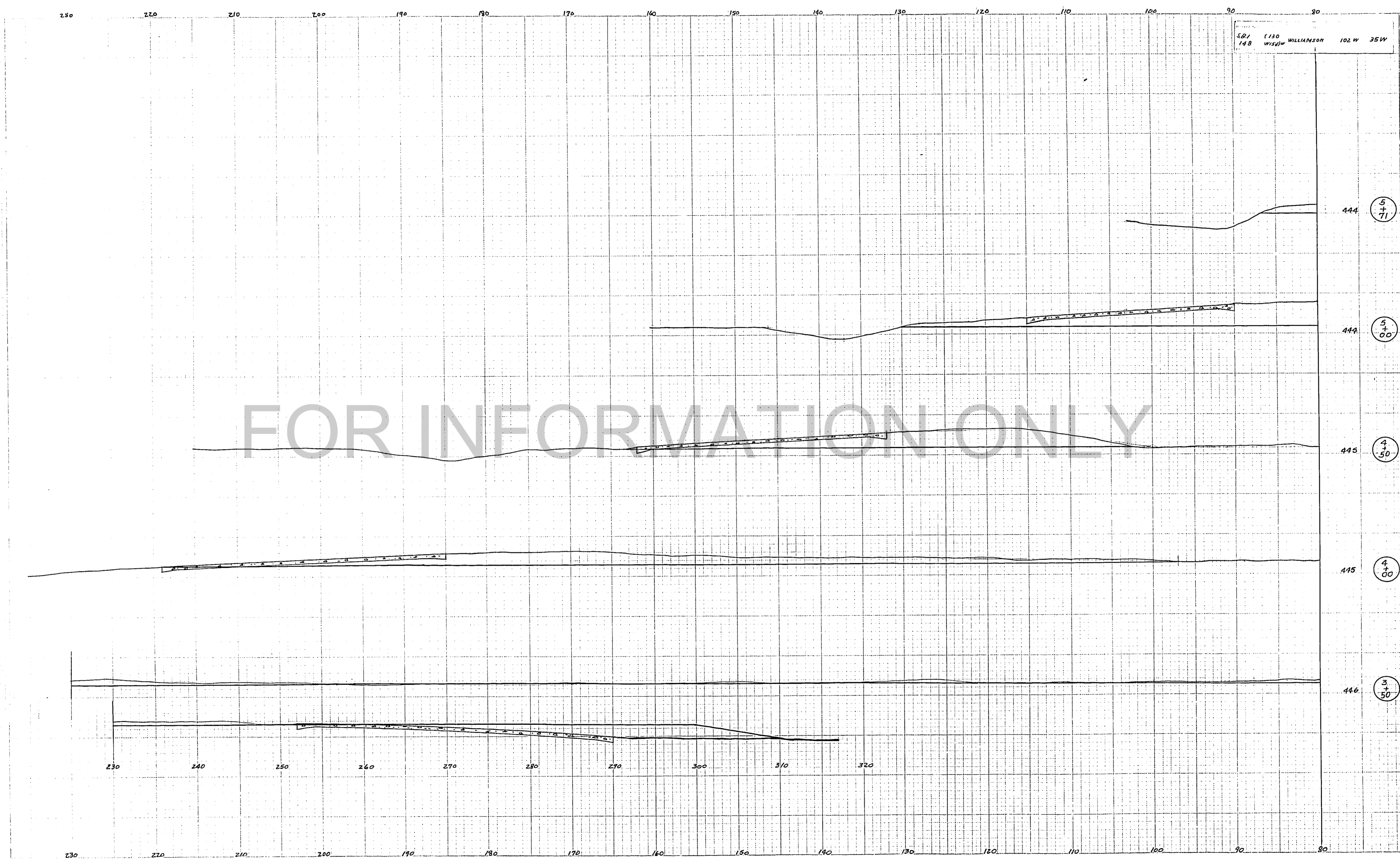
FOR INFORMATION ONLY



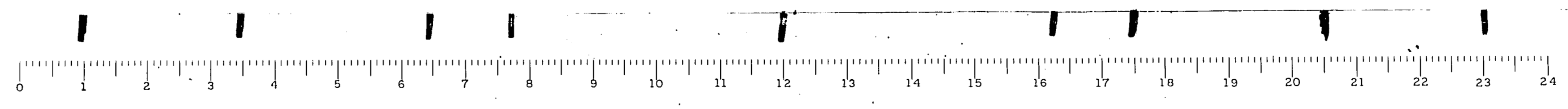


S. B. I. ROUTE 148 SEC. 130, W15 P2W WILLIAMSON CO. STA. 3+50-5+71 EXTENSION RIGHT

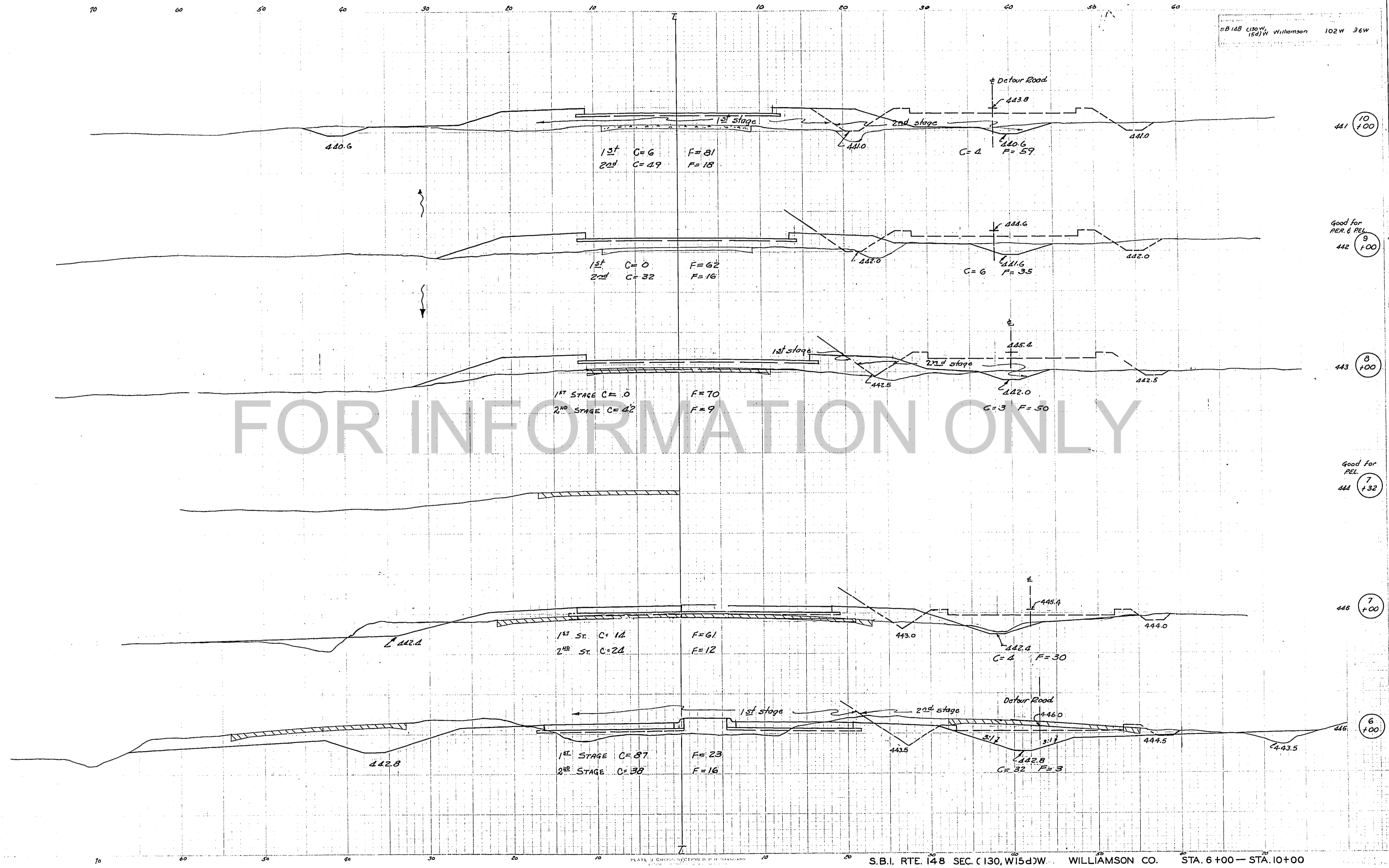




S. B. I. ROUTE 148 SEC. (130, W15d)W WILLIAMSON CO. STA. 3+50-5+71 EXTENSIONS LEFT

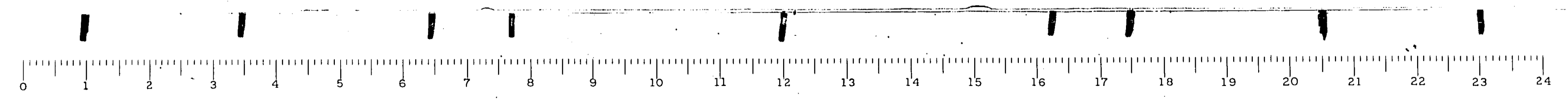


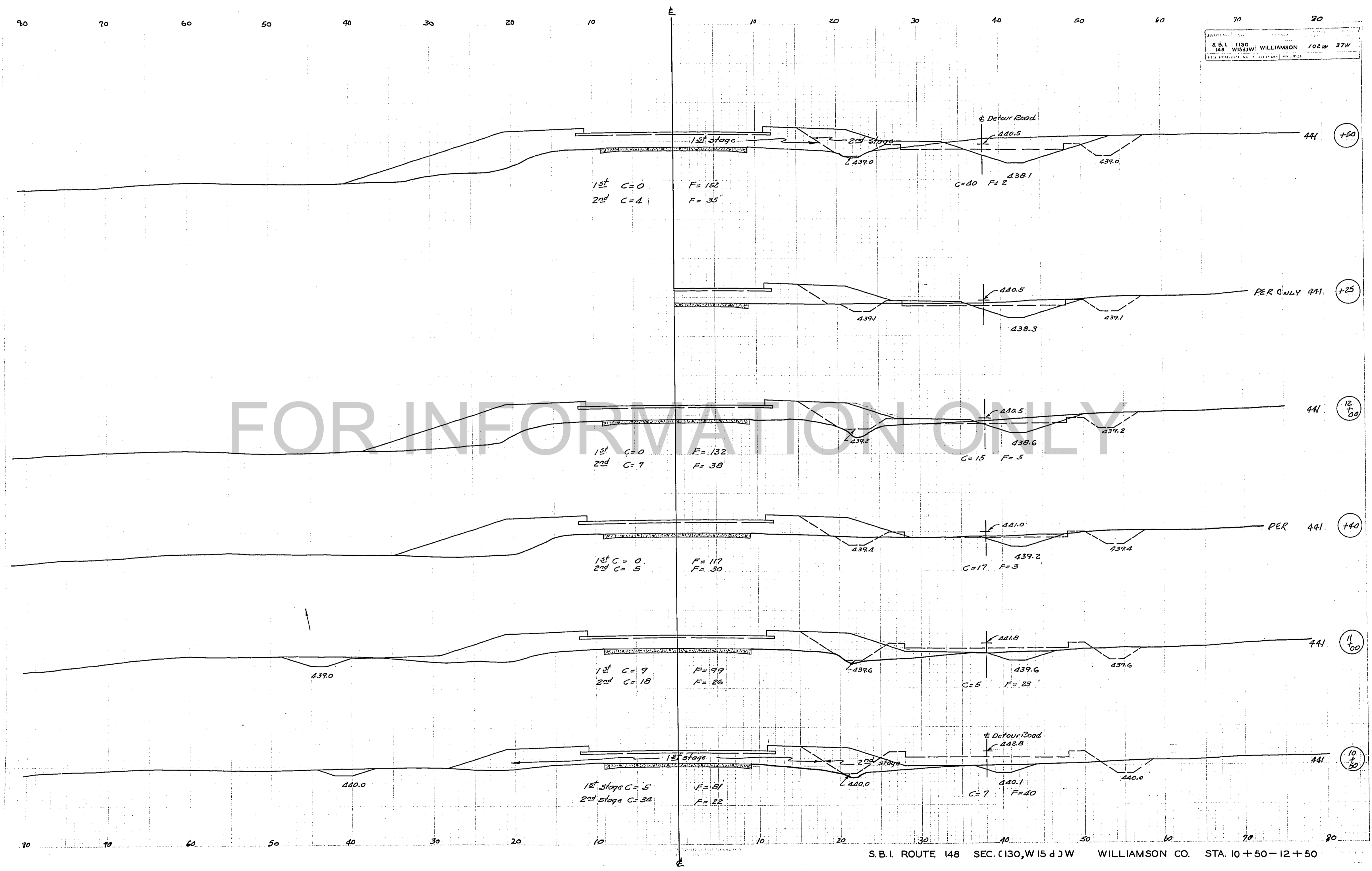
S.B. 148 Sec. 130 1/4 W. Williamson 102W 36W



FOR INFORMATION ONLY

S.B. 148 SEC. 130 1/4 W. WILLIAMSON CO. STA. 6+00 - STA. 10+00

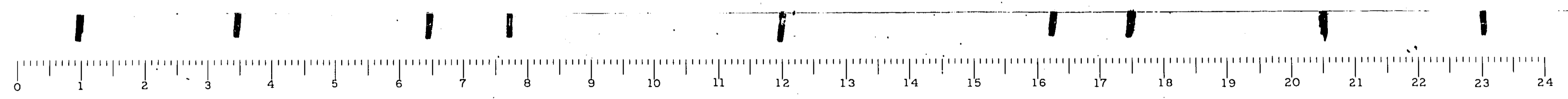


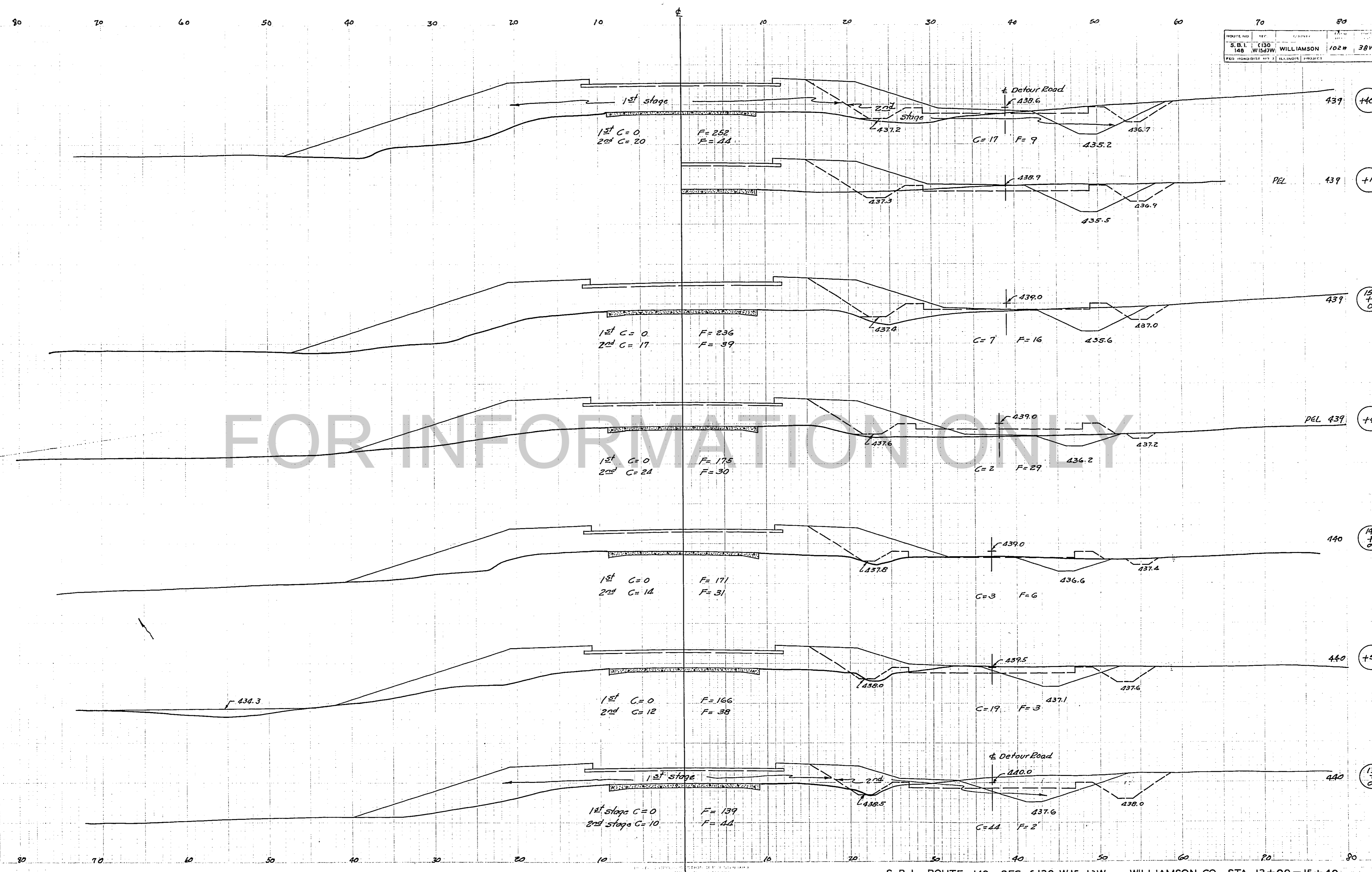


S.B.L. (130
 148 W154JW WILLIAMSON 102W 37W
 102W 37W

FOR INFORMATION ONLY

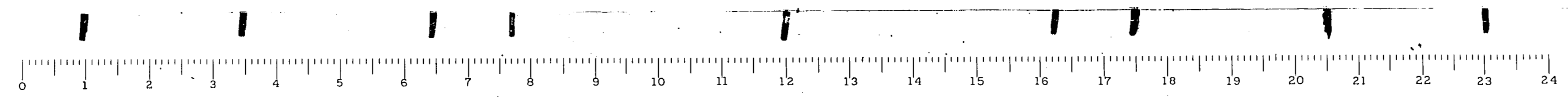
S.B.L. ROUTE 148 SEC. (130, W 15 d J W WILLIAMSON CO. STA. 10+50-12+50

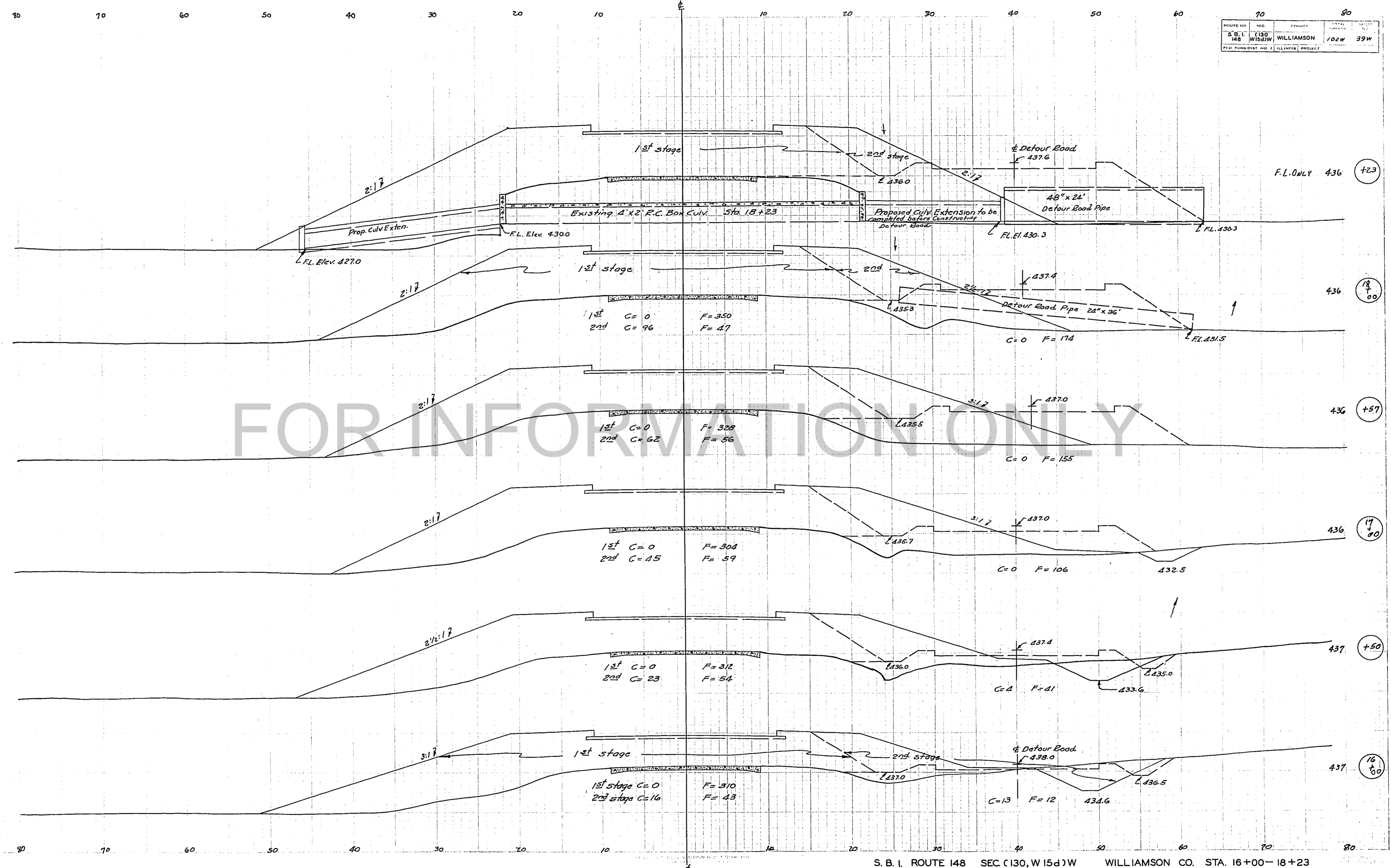




DATE	BY	CHECKED	SCALE
5.8.11	155	WILLIAMSON	1/2" = 30'
PROJECT NO.	148	SEC. (130, W15 d) W	WILLIAMSON CO. STA. 13+00-15+40

S. B. I. ROUTE 148 SEC. (130, W15 d) W WILLIAMSON CO. STA. 13+00-15+40

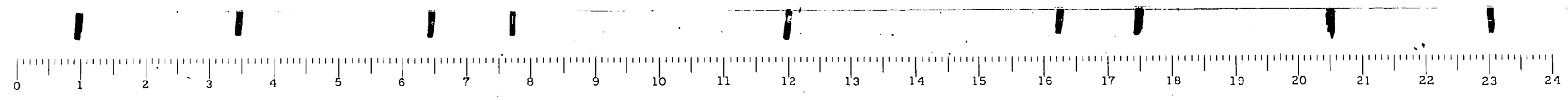


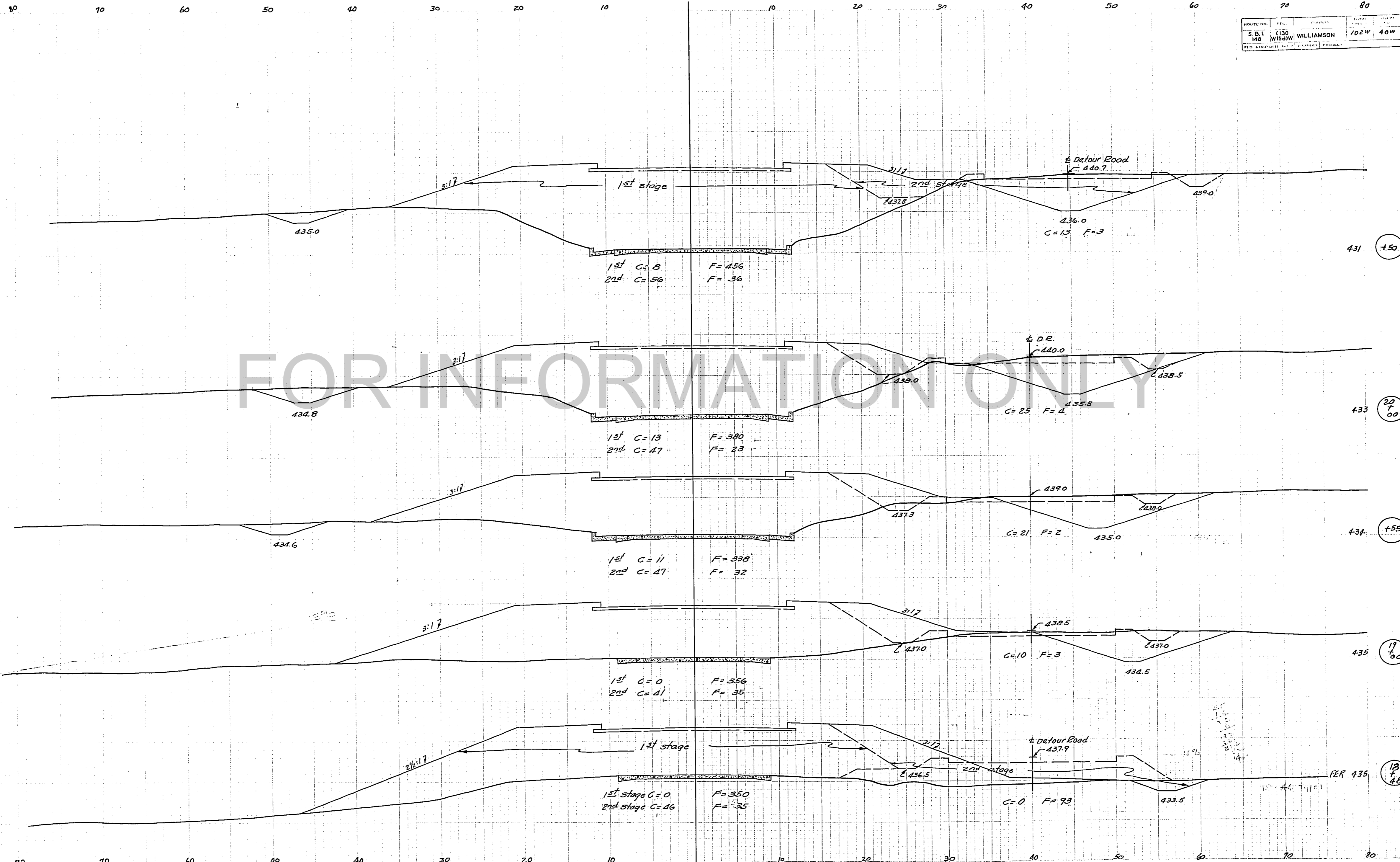


ROUTE NO.	SEC.	PROJECT	DATE
S. B. I.	130	WILLIAMSON	102W 39W
FILE NO.	DESIGNER	ENGINEER	PROJECT

FOR INFORMATION ONLY

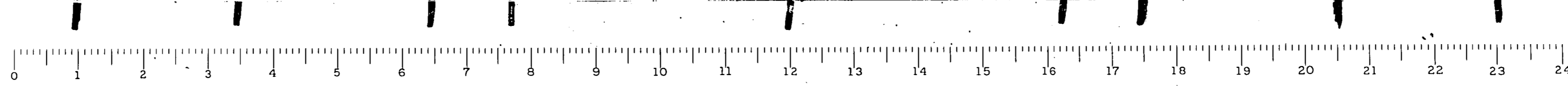
S. B. I. ROUTE 148 SEC (130, W 15d) W WILLIAMSON CO. STA. 16+00-18+23

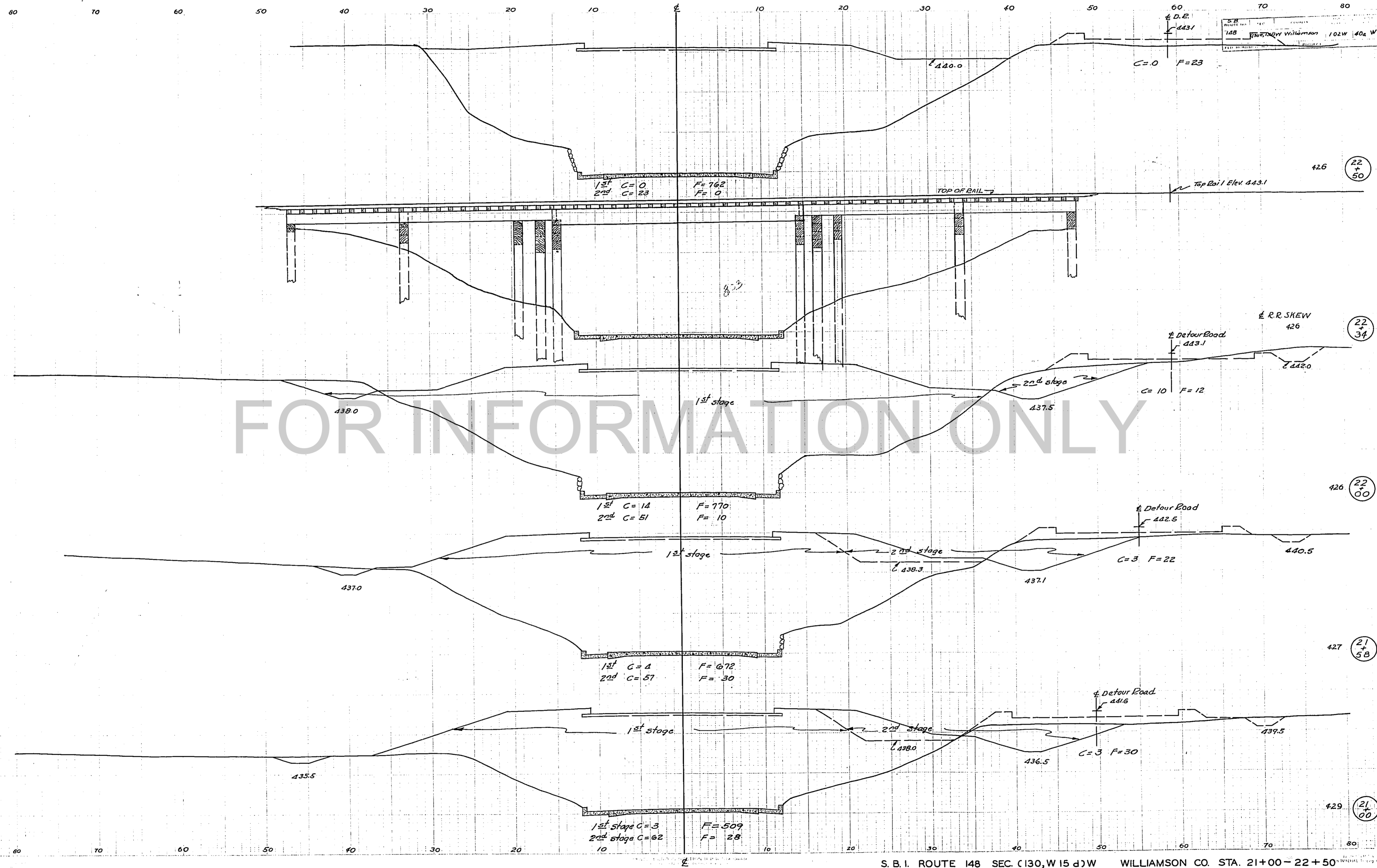




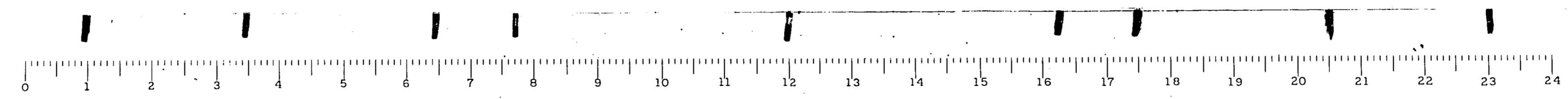
ROUTE NO. 130
 S. B. 1. 130 W. 15d W. WILLIAMSON CO. 102 W. 40 W.
 SEC. 18 + 48 + 50

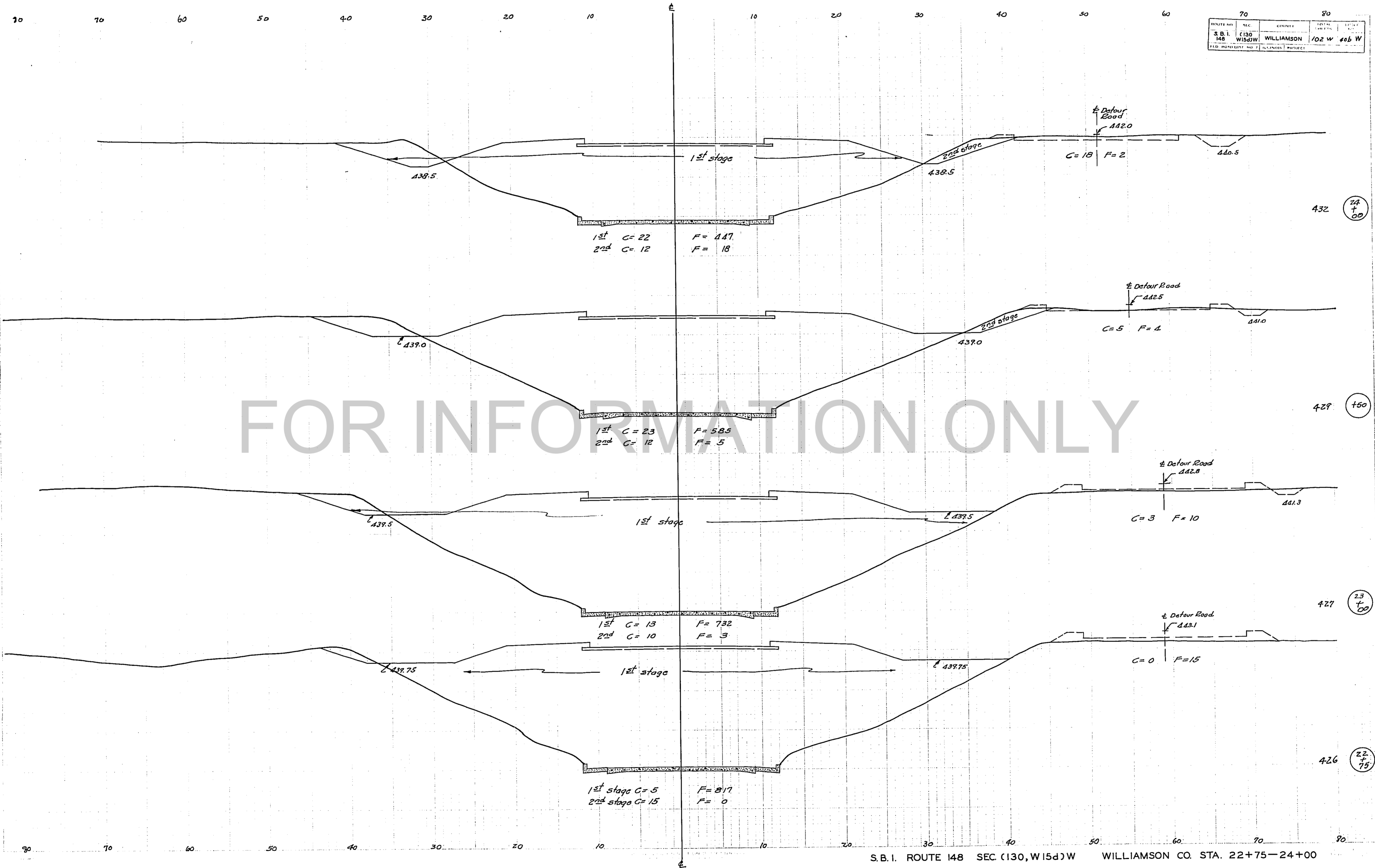
S. B. 1. ROUTE 148 SEC. C 130, W 15d W WILLIAMSON CO. STA. 18 + 48 - 20 + 50





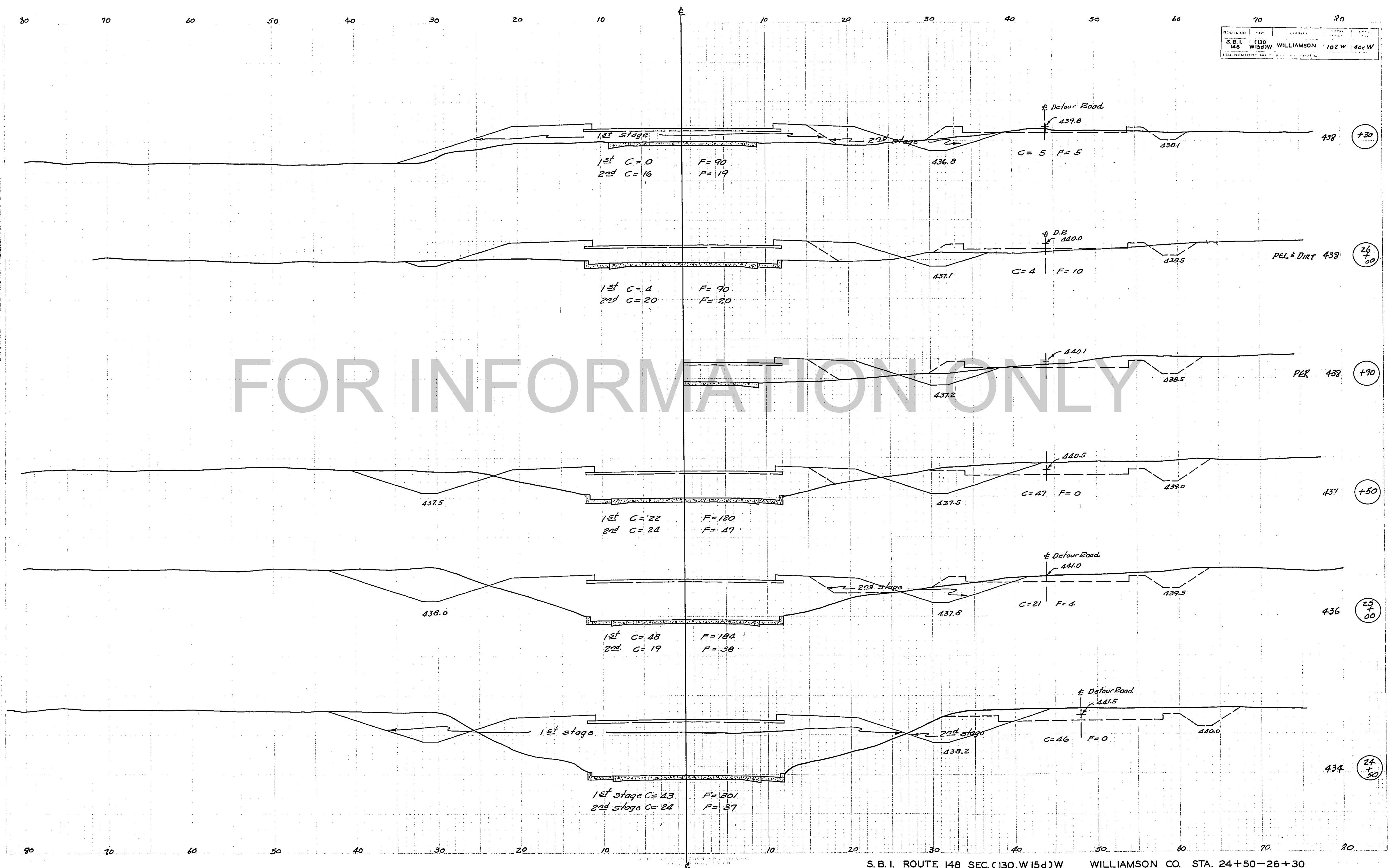
S. B. I. ROUTE 148 SEC. (130, W 15 d) W WILLIAMSON CO. STA. 21+00 - 22+50





FOR INFORMATION ONLY

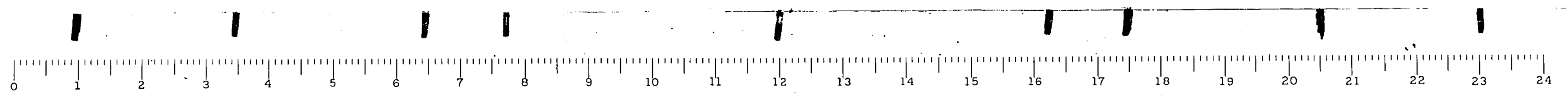
S.B.I. ROUTE 148 SEC. (130, W15d) W WILLIAMSON CO. STA. 22+75-24+00

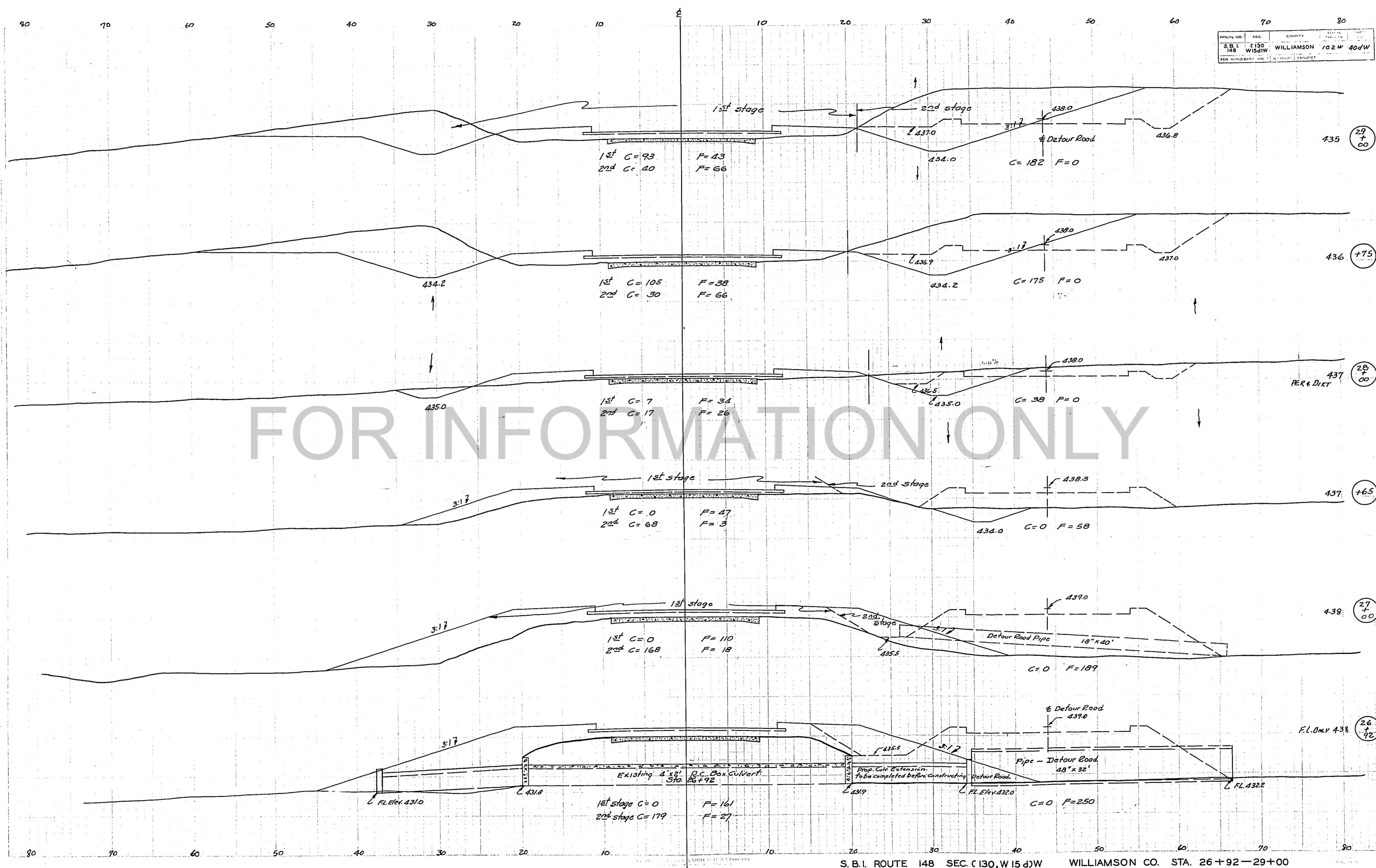


FOR INFORMATION ONLY

S.B.I. 130
148 W15dW WILLIAMSON 102W 40cW

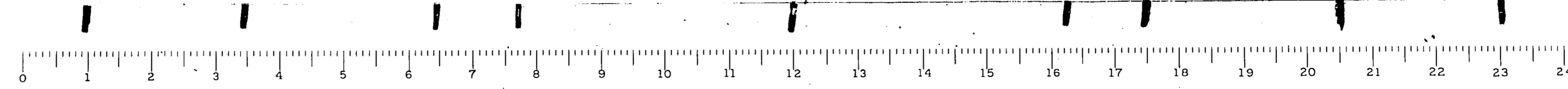
S. B. I. ROUTE 148 SEC. (130, W15d) W WILLIAMSON CO. STA. 24+50-26+30



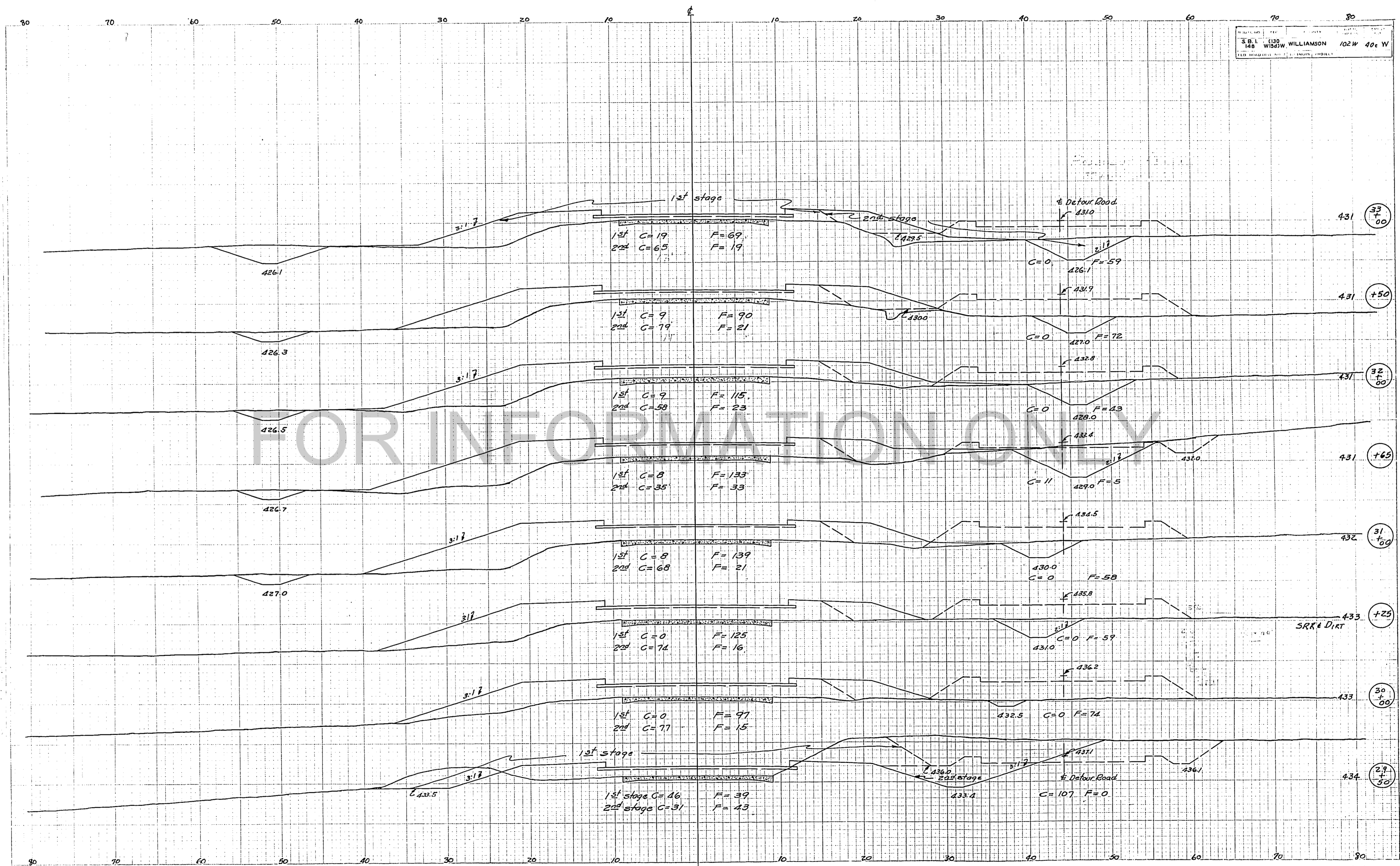


PROJECT NO. SEC. COUNTY TOWNSHIP
 S.B.I. 148 C130 WILLIAMSON 702W 400W
 PER INVENTORY MAP 2 IN FOUR PROJECT

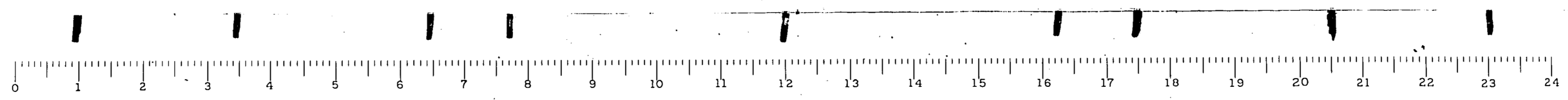
S. B. I. ROUTE 148 SEC. C130, W 15 d'W WILLIAMSON CO. STA. 26+92-29+00



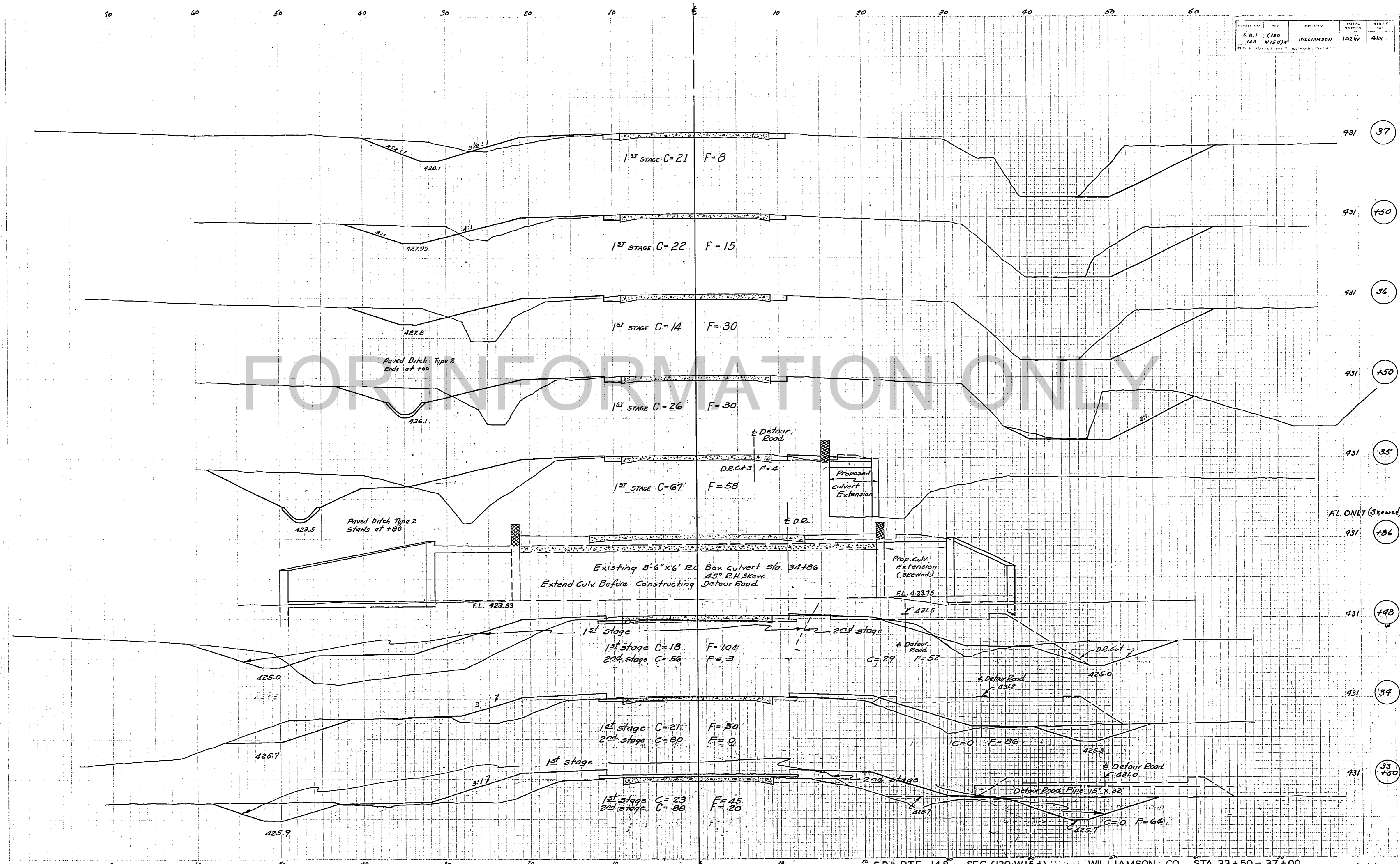
S.B. 130
148 W 150 W, WILLIAMSON 102 W 40 E W
PER MISSOURI STATE ENGINEERING BOARD



S.B. 130 SEC. (130, W 150) W WILLIAMSON CO. STA. 29+50 - 33+00

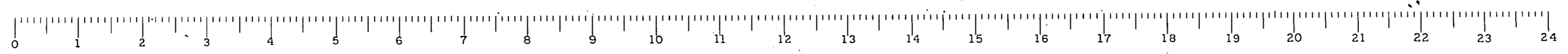


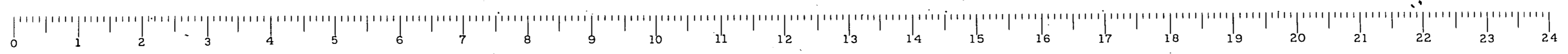
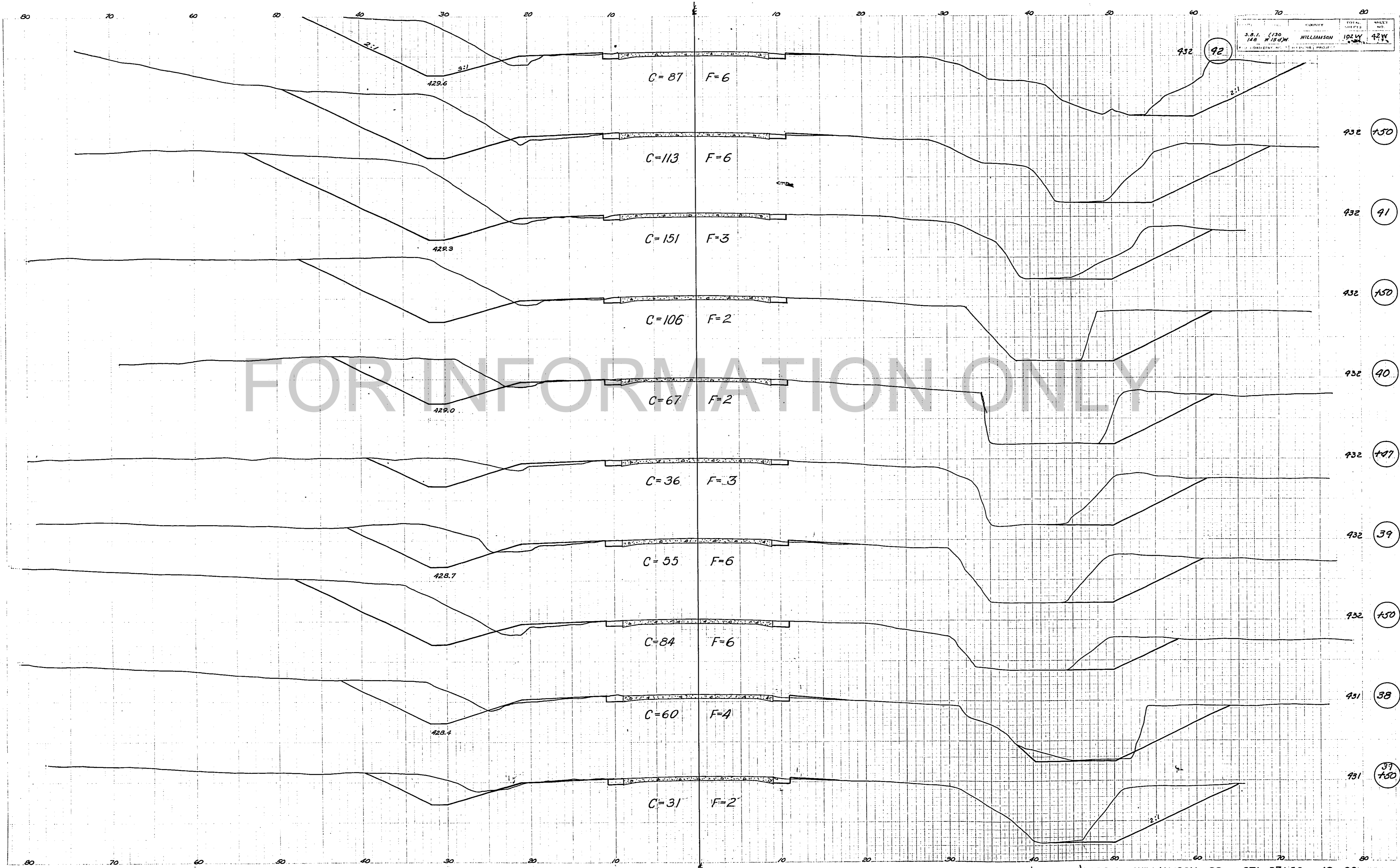
DATE	SCALE	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. (130)	1" = 100'	WILLIAMSON	102	414



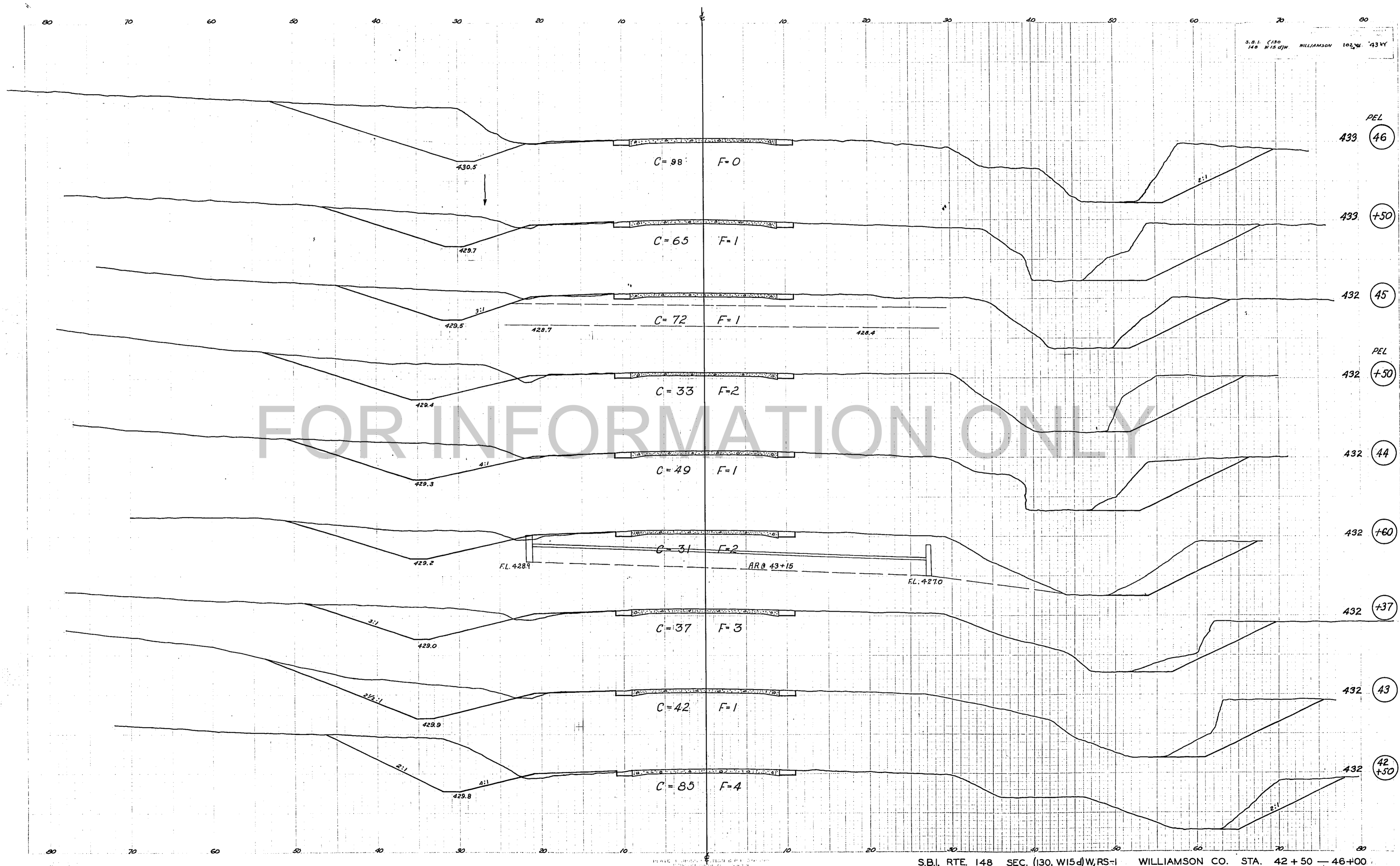
FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W 15d) WILLIAMSON CO. STA. 33+50 - 37+00



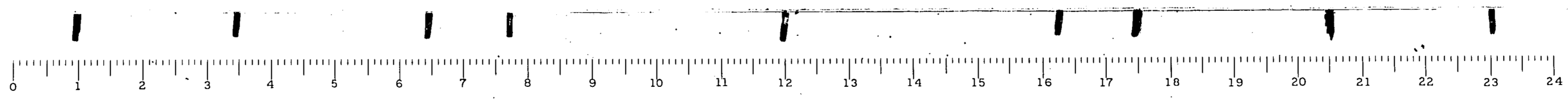


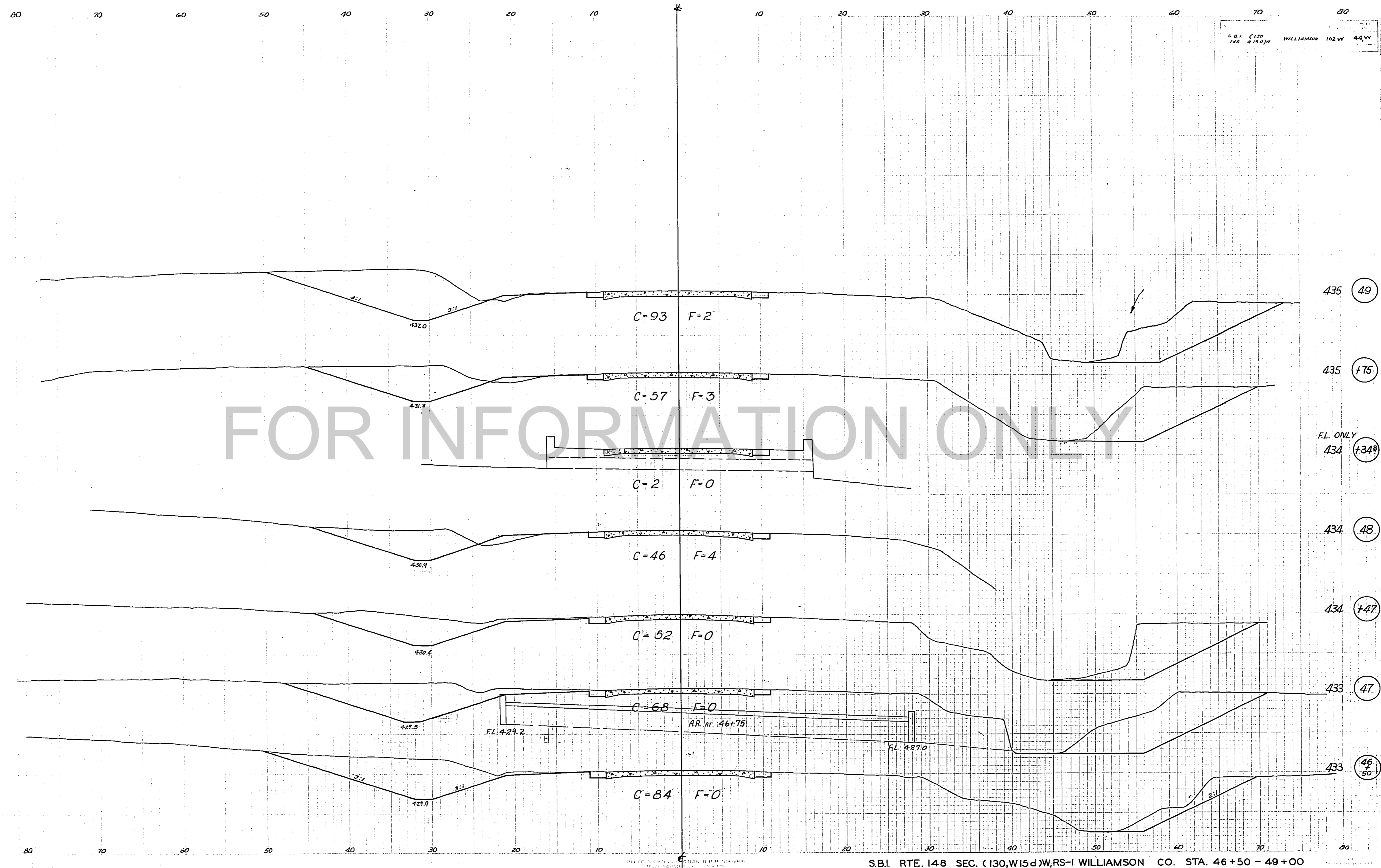
S.B.I. C130
148 W15dJW WILLIAMSON 102W '43W



FOR INFORMATION ONLY

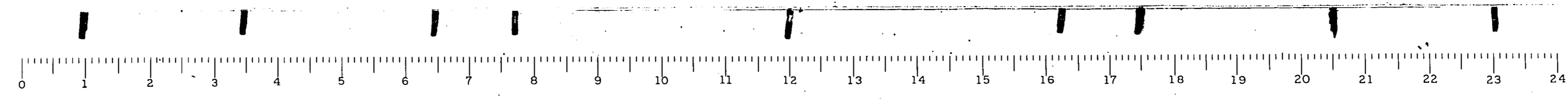
S.B.I. RTE. 148 SEC. (130, W15d) W, RS-1 WILLIAMSON CO. STA. 42+50 - 46+00

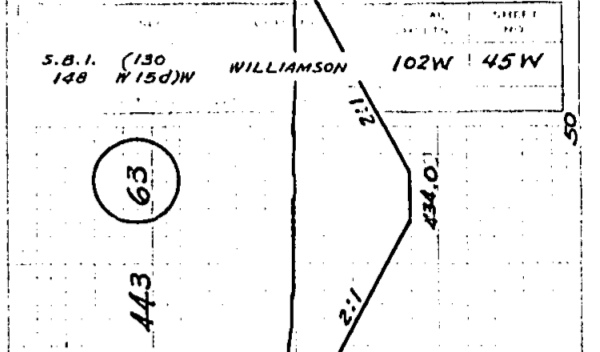
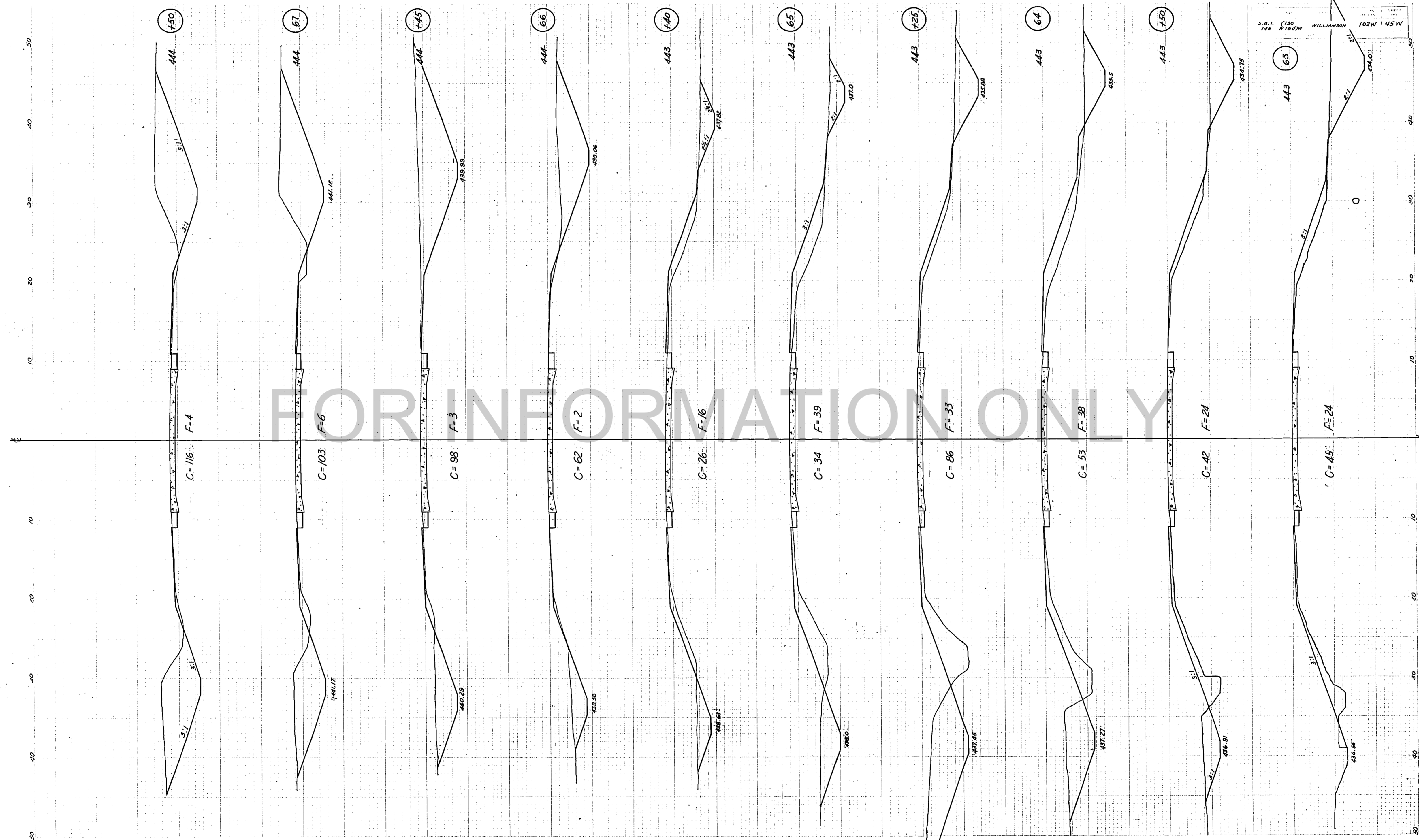




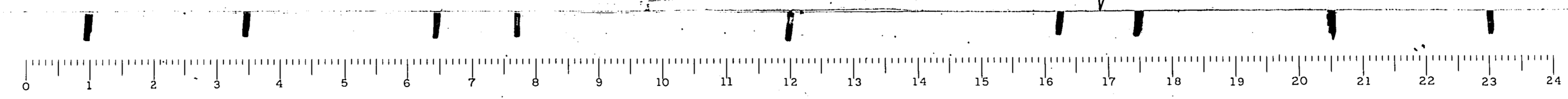
S.B.I. (130
748 W 154)W WILLIAMSON 102 W 44 W

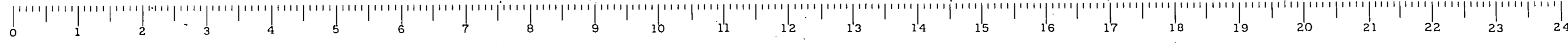
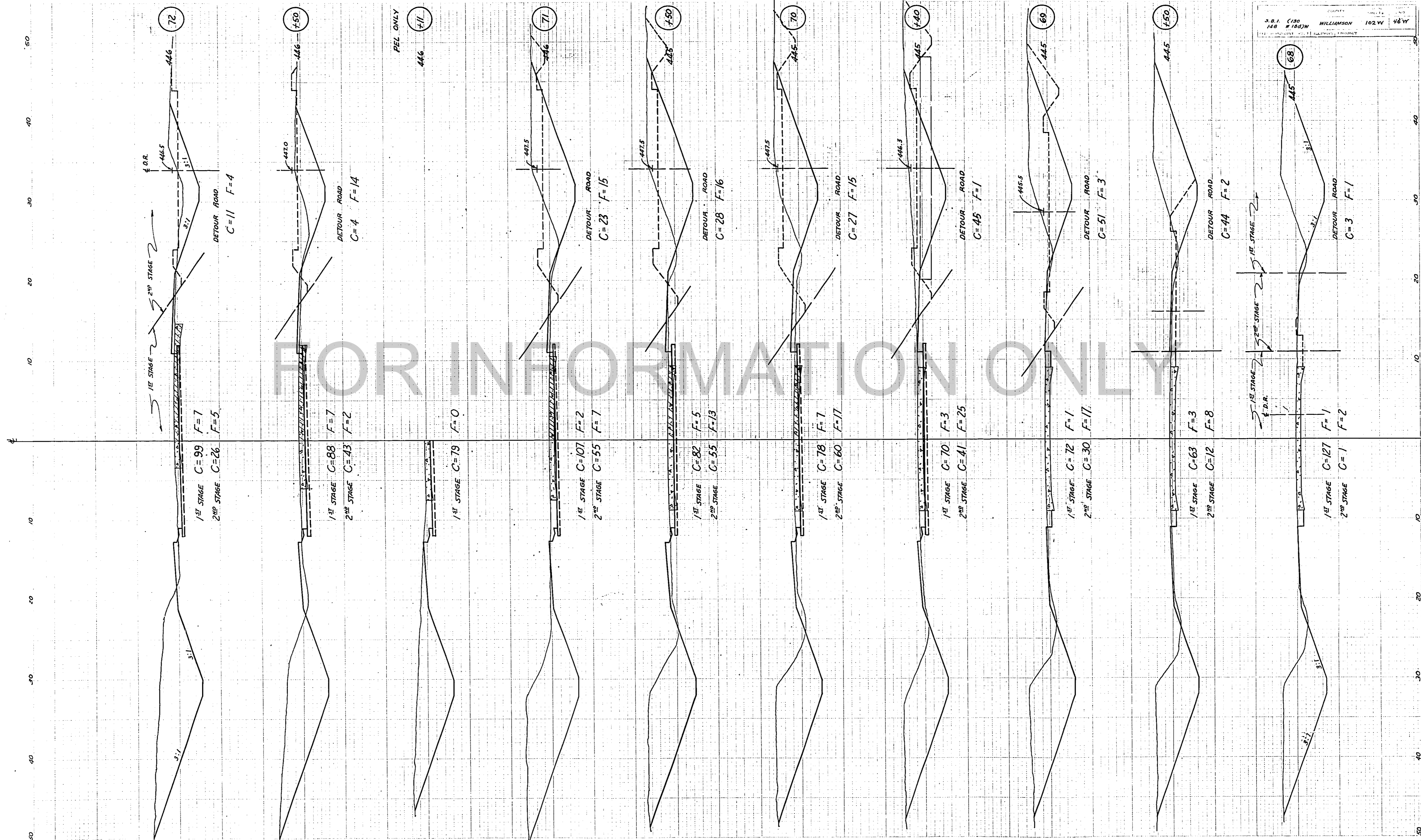
S.B.I. RTE. 148 SEC. (130,W154)W,RS-1 WILLIAMSON CO. STA. 46+50 - 49+00

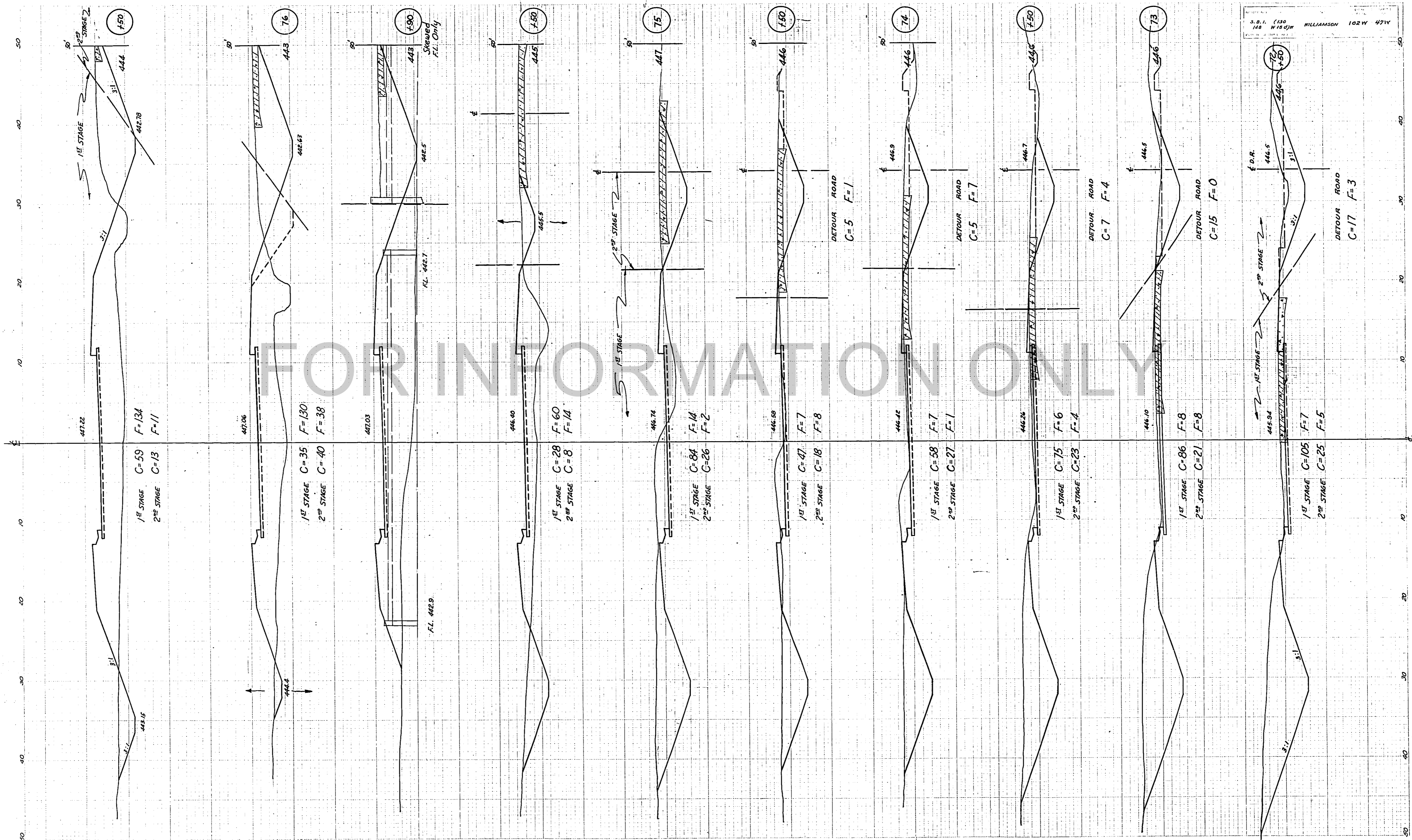




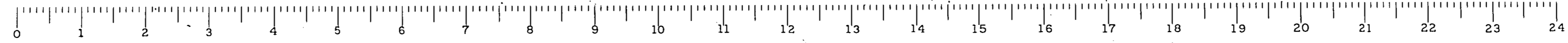
S.B.I. RTE. 148 SEC. (130, W15d)W,RS-1 WILLIAMSON CO. STA. 63+00 - 67+50





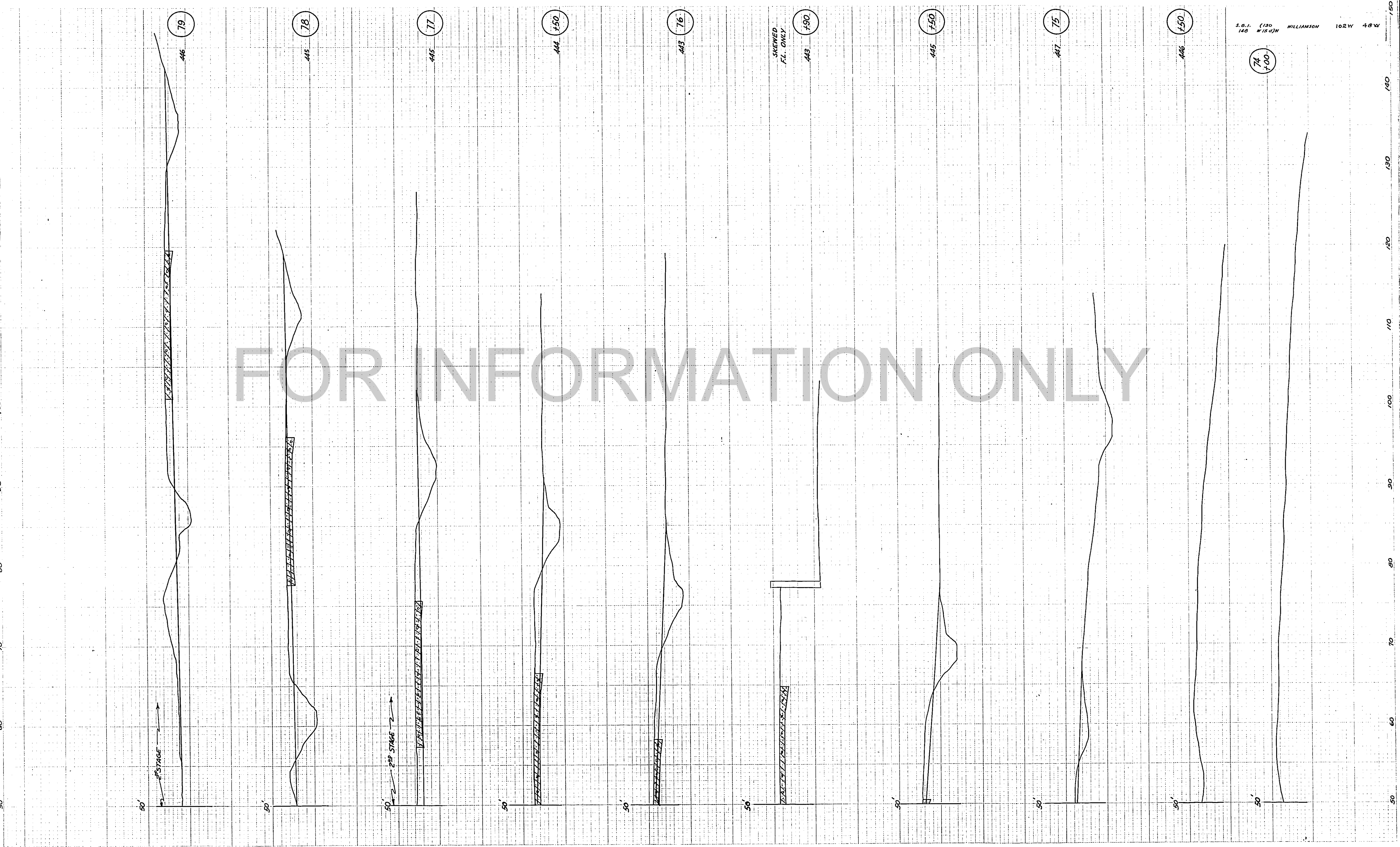


S.B.I. RTE. 148 SEC. (130, W15 d) W, RS-1 WILLIAMSON CO. STA. 72 +50 - 76 +50



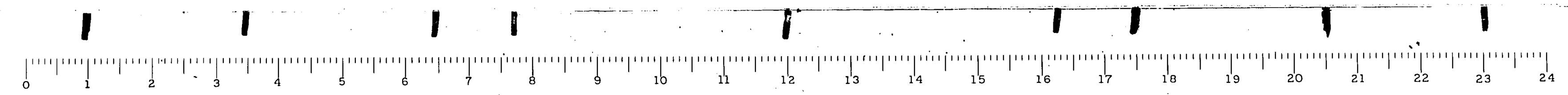
FOR INFORMATION ONLY

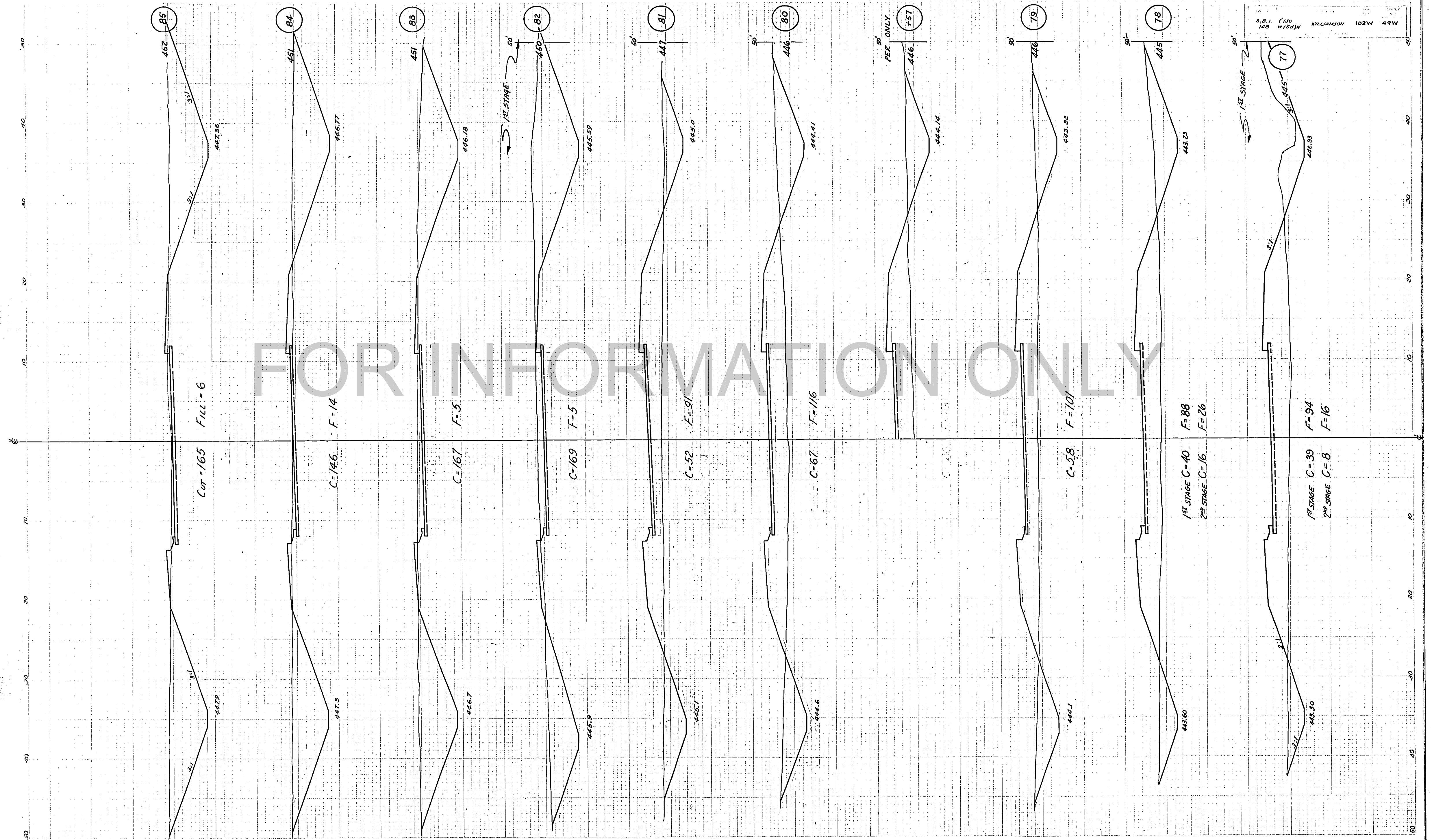
150
140
130
120
110
100
90
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70
60
50



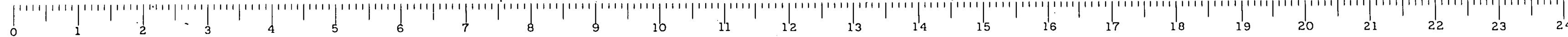
S.B.I. (130 W150)W WILLIAMSON CO. 102W 48W

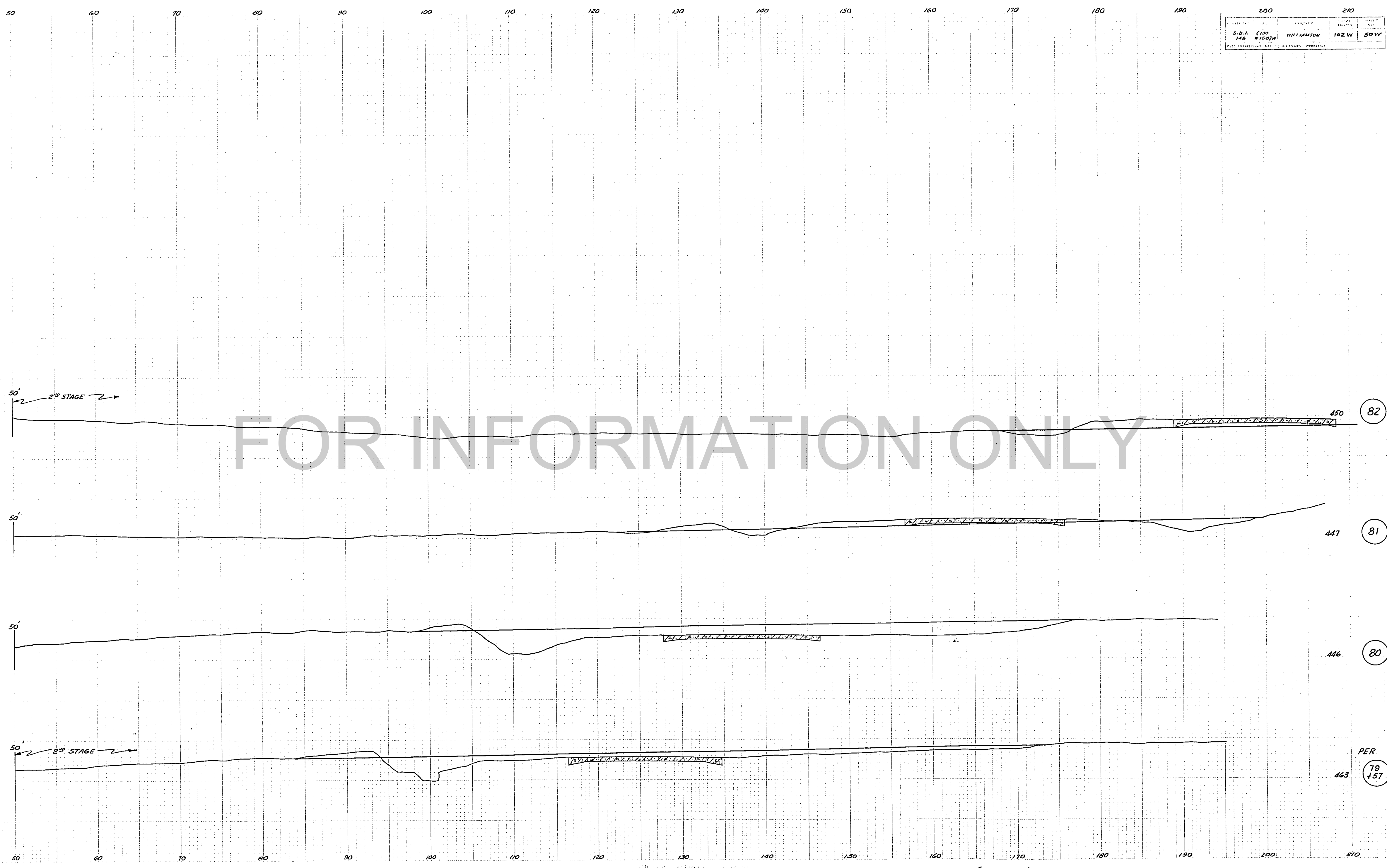
S.B.I. RTE. 148 SEC. (130, W150)W, RS-1 WILLIAMSON CO. EXTENSION RT. STA. 74+00 - 79+00





S.B.I. RTE. 148 SEC. (130, W15d) WRS-1 WILLIAMSON CO. STA. 77+00-85+00



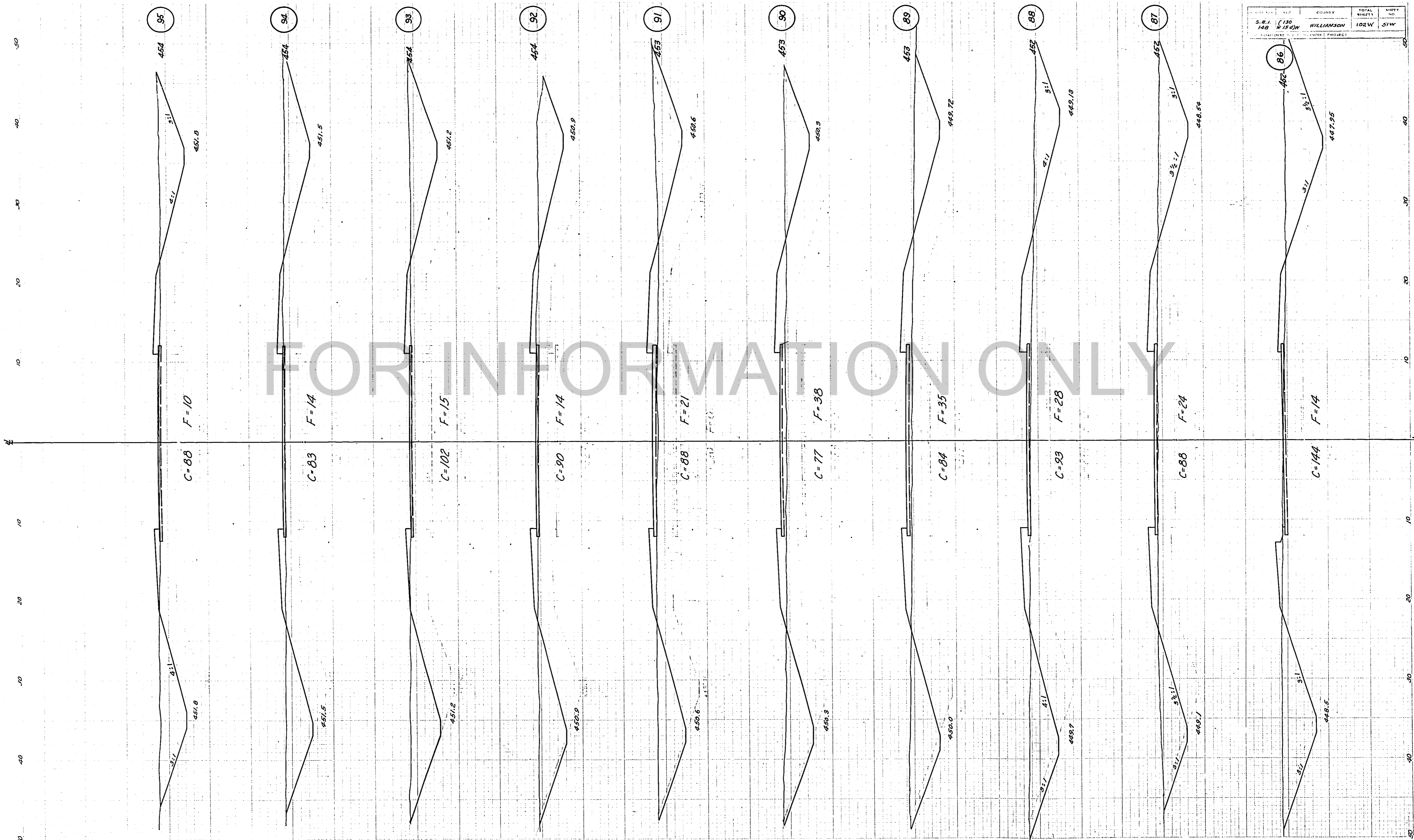


FOR INFORMATION ONLY

S.B.I. (130 148 W 150) W WILLIAMSON CO. EXTENSION RT. STA. 79+57 - 82+00

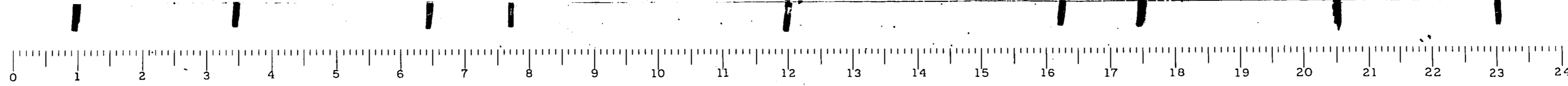
S.B.I. RTE. 148 SEC. (130, W15) W, RS-1 WILLIAMSON CO. EXTENSION RT. STA. 79+57 - 82+00

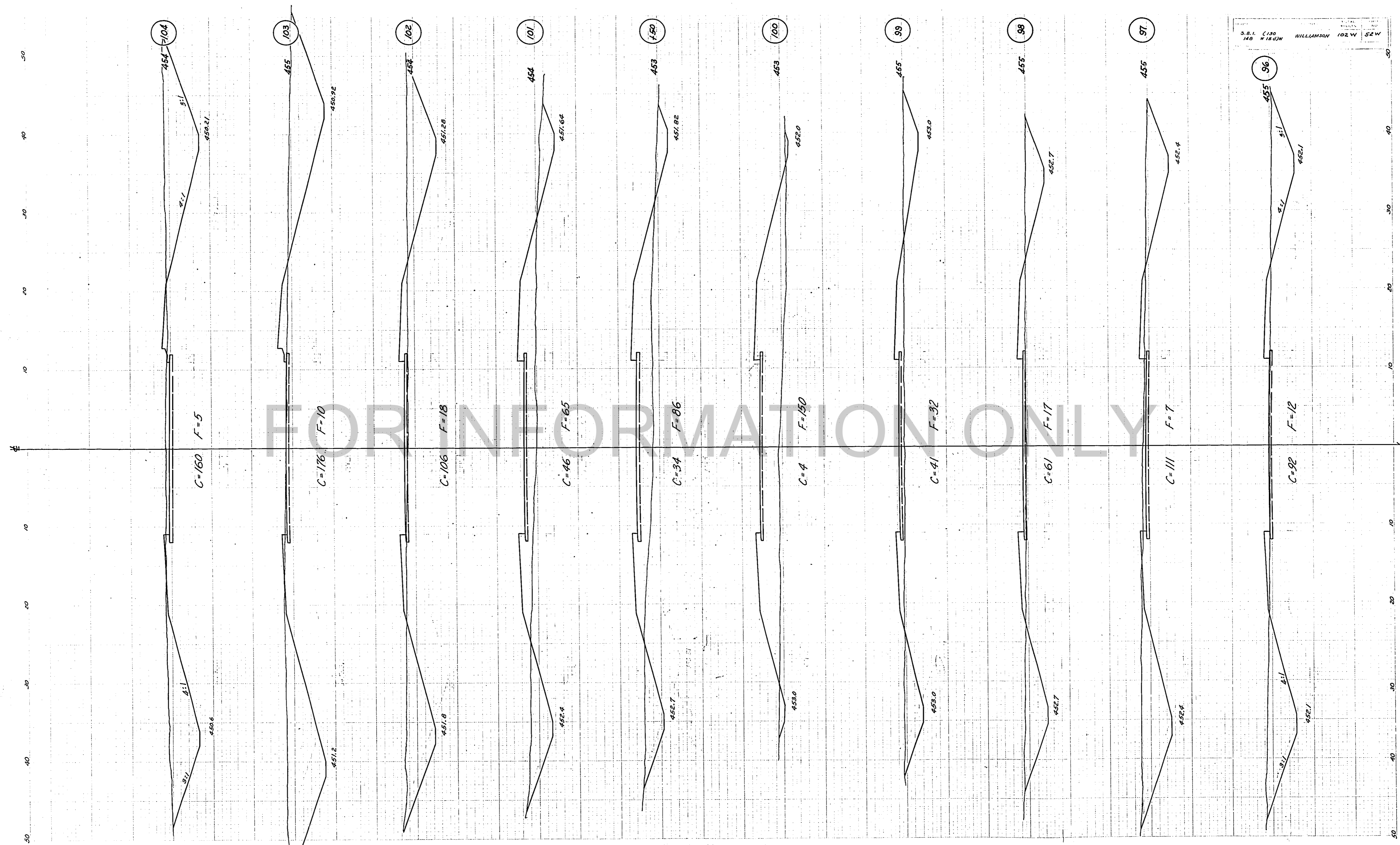




S.B.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
148	(130, W15DJW, RS-1)	WILLIAMSON	102W	51W

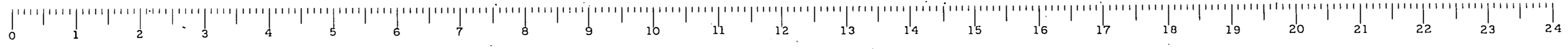
S.B.I. RTE. 148 SEC. (130, W15DJW, RS-1) WILLIAMSON CO. STA. 86+00-95+00





S.B.I. C 130
148 W 150 W
WILLIAMSON 102 W 52 W

S.B.I. RTE. 148 SEC. (130, W 150) W, RS-1 WILLIAMSON CO. STA. 96+00-104+00

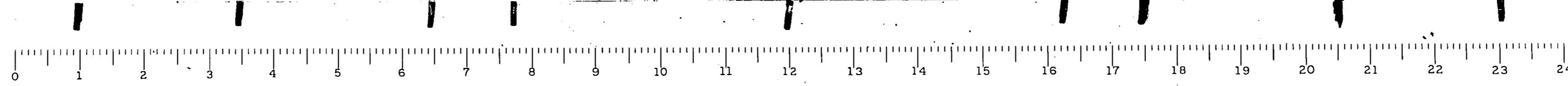




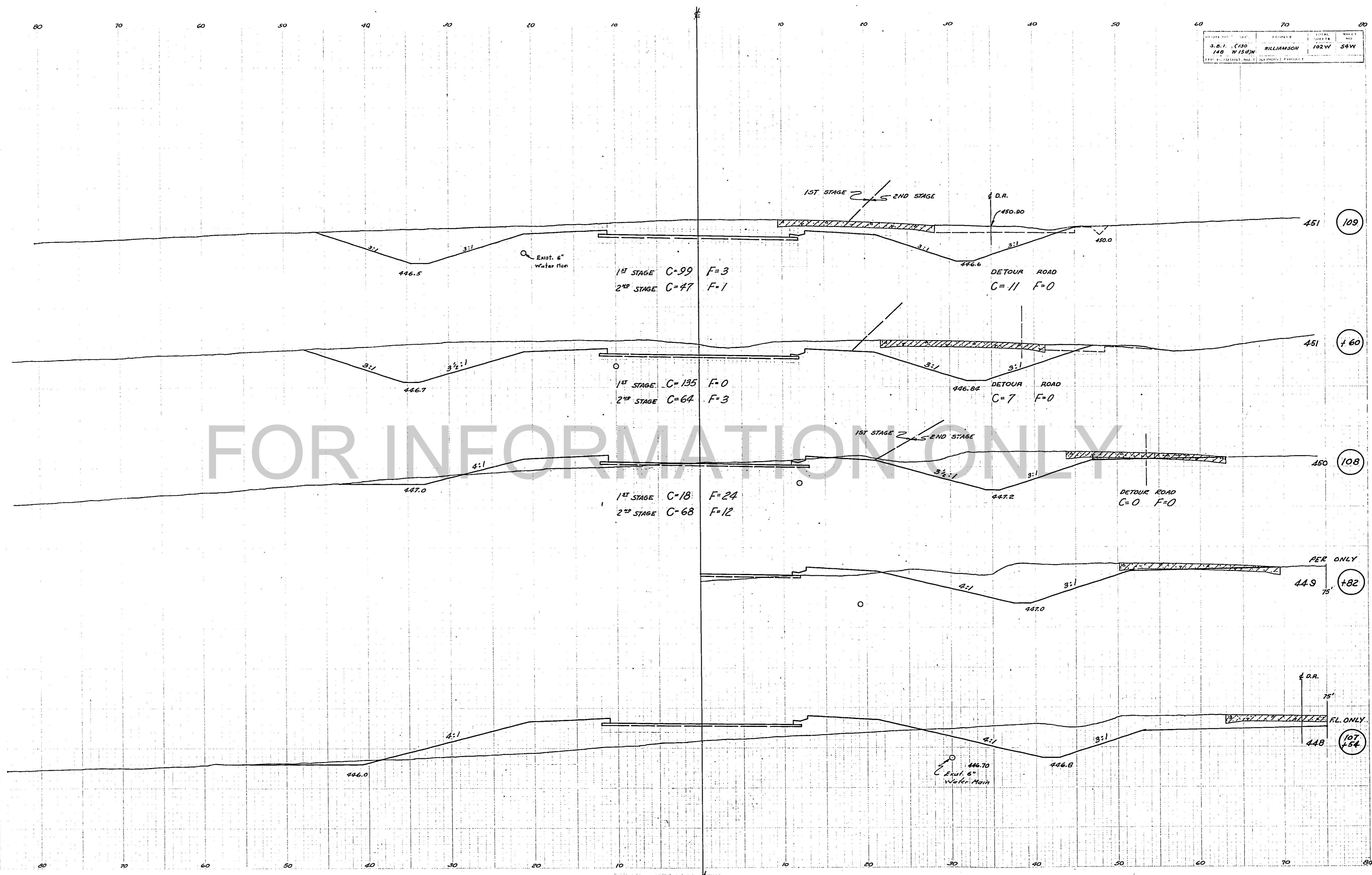
FOR INFORMATION ONLY

S.B. 1 C 130 WILLIAMSON 102W 53W
148 W 150W

S.B.I. RTE. 148 SEC. (130, W150) WRS-1 WILLIAMSON CO. STA. 104+50 - 107+00

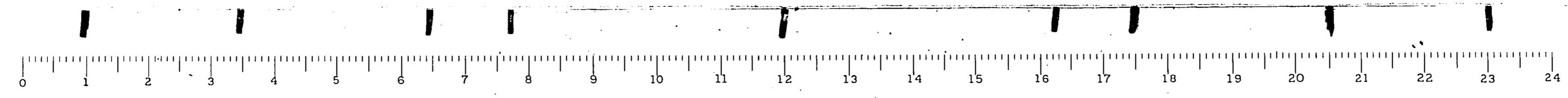


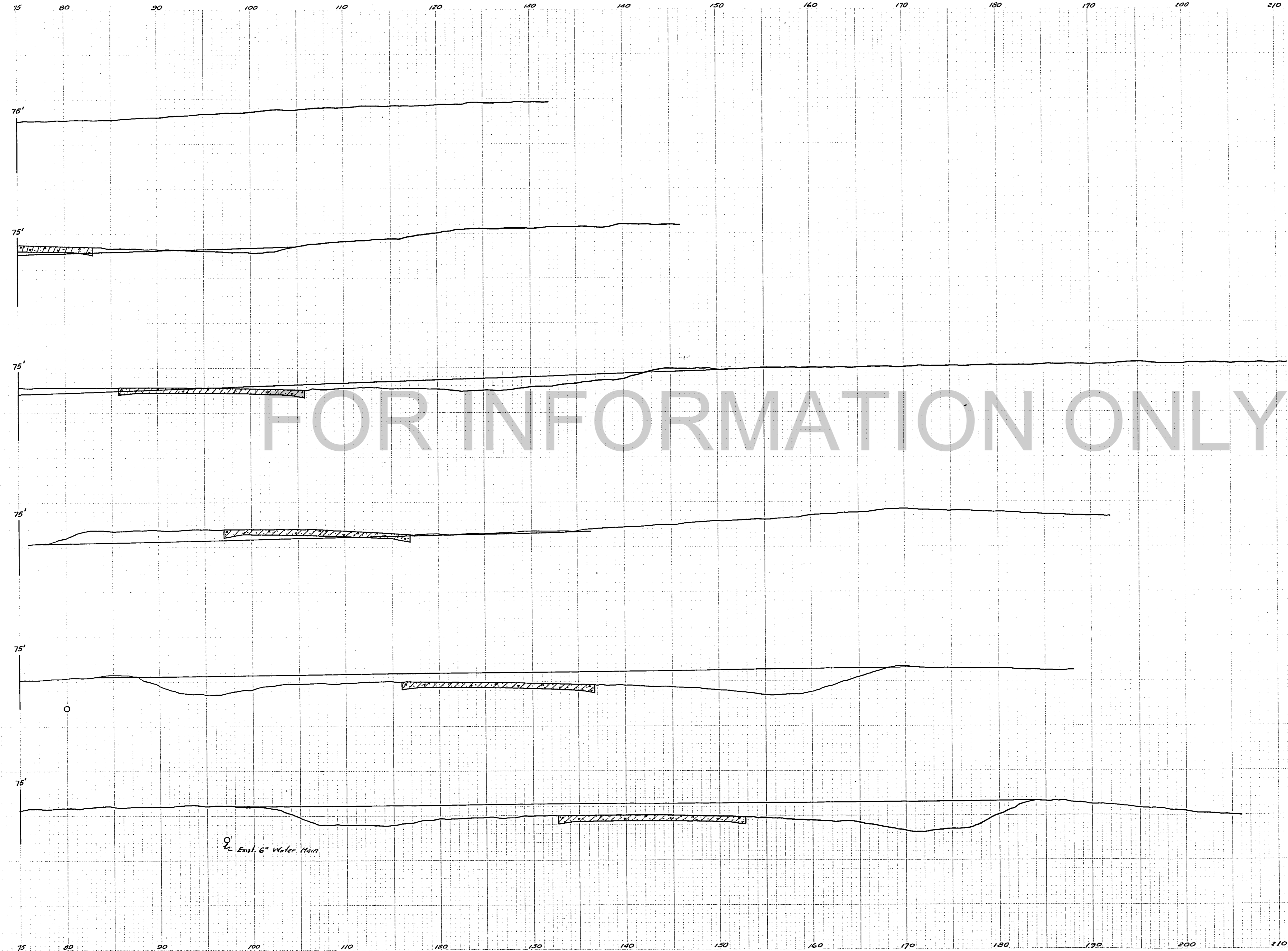
S.B.I. CASE 148 W 150'W WILLIAMSON CO. STA. 107+54 - 109+00



FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W150'W, RS-1 WILLIAMSON CO. STA. 107+54 - 109+00





S.B.I. (130
148 W 150) WILLIAMSON 102W 55W

PER ONLY

448 (182)

FL. & DIRT ONLY

448 (154)

449 (107)

PER ONLY

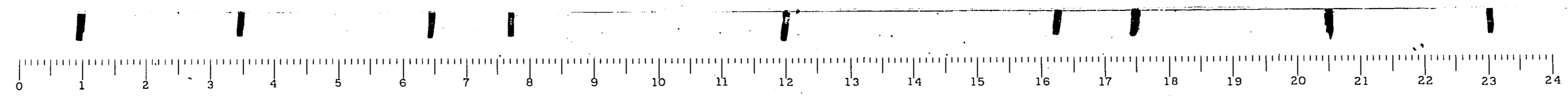
450 (177)

452 (140)

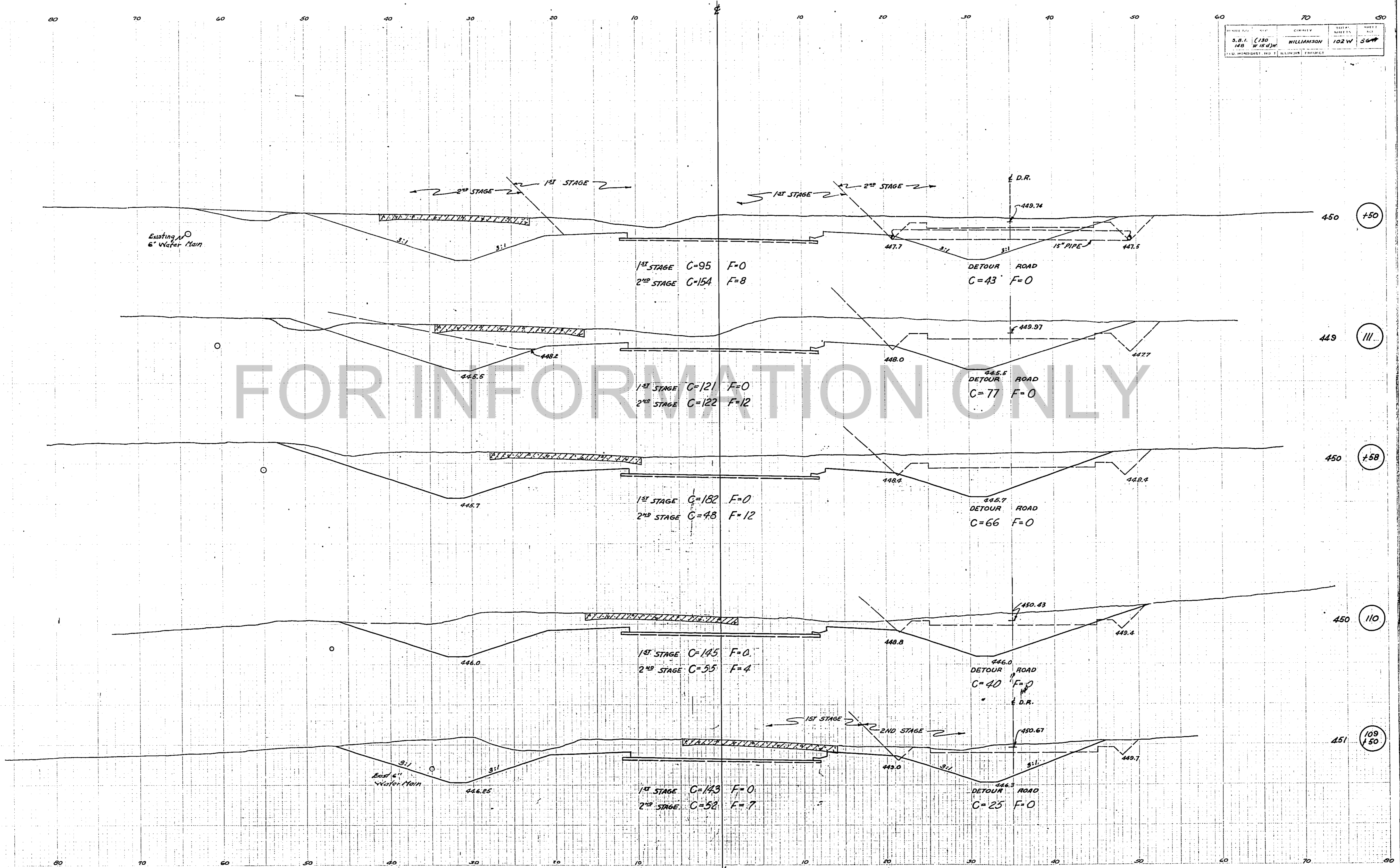
452 (106)

♀ East 6" Water Main

S.B.I. RTE. 148 SEC. (130, W15 d) W, RS-1 WILLIAMSON CO. EXTENSION RT. STA. 106+00-107+82

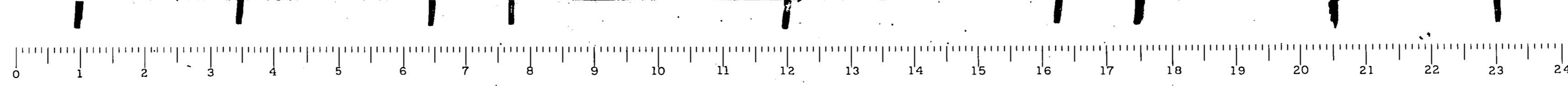


S.B.I. (130)
 MB W 150W
 WILLIAMSON CO. STA. 102 W 56

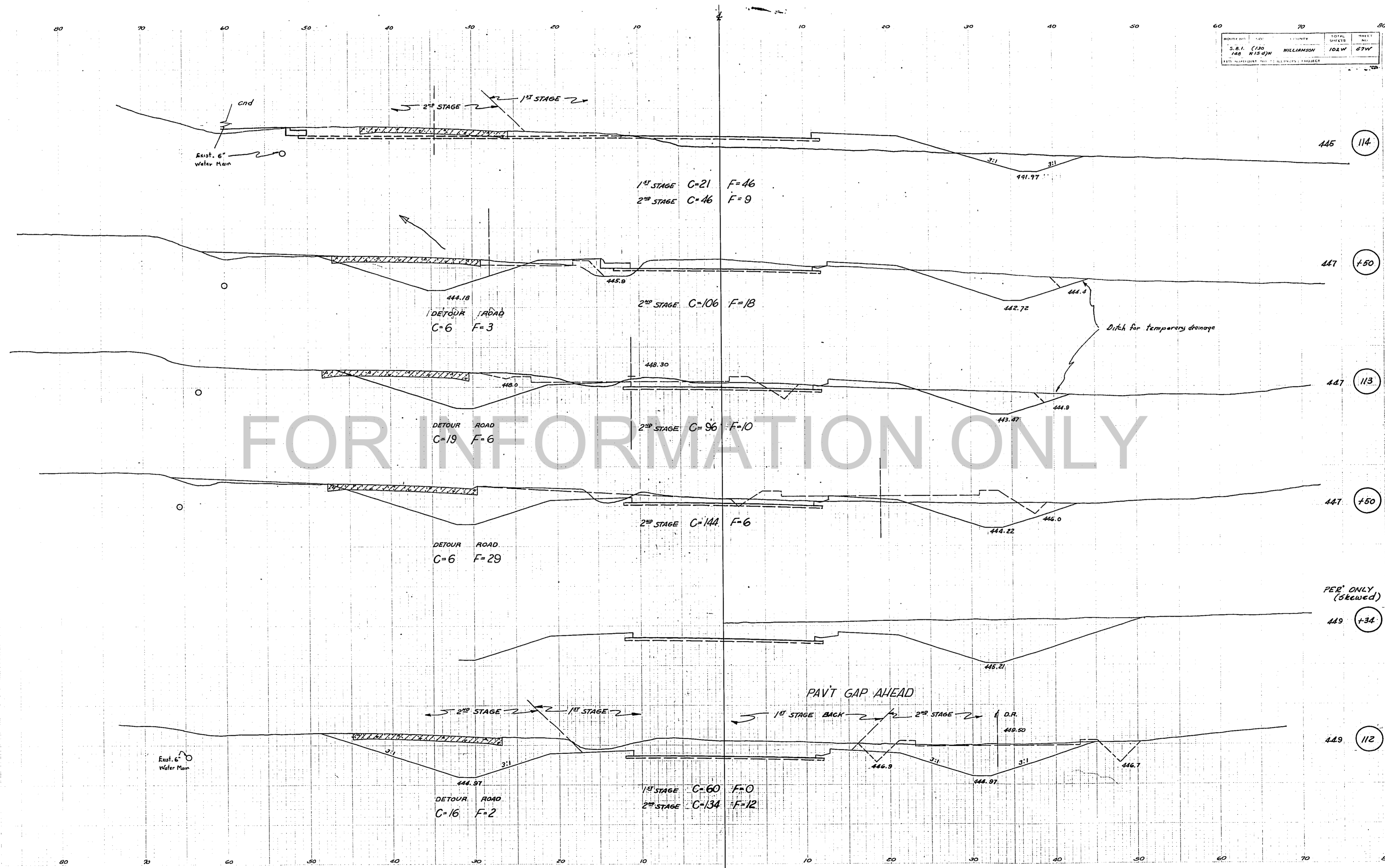


FOR INFORMATION ONLY

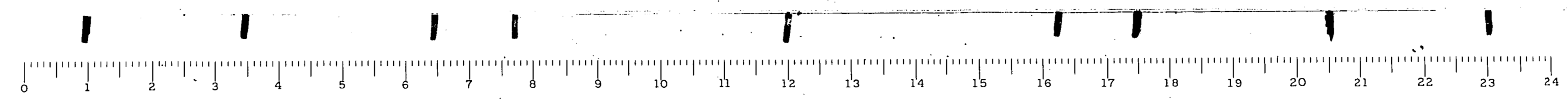
S.B.I. RTE. 148 SEC. (130, W 150) W, RS-1 WILLIAMSON CO. STA. 109+50 - III + 50

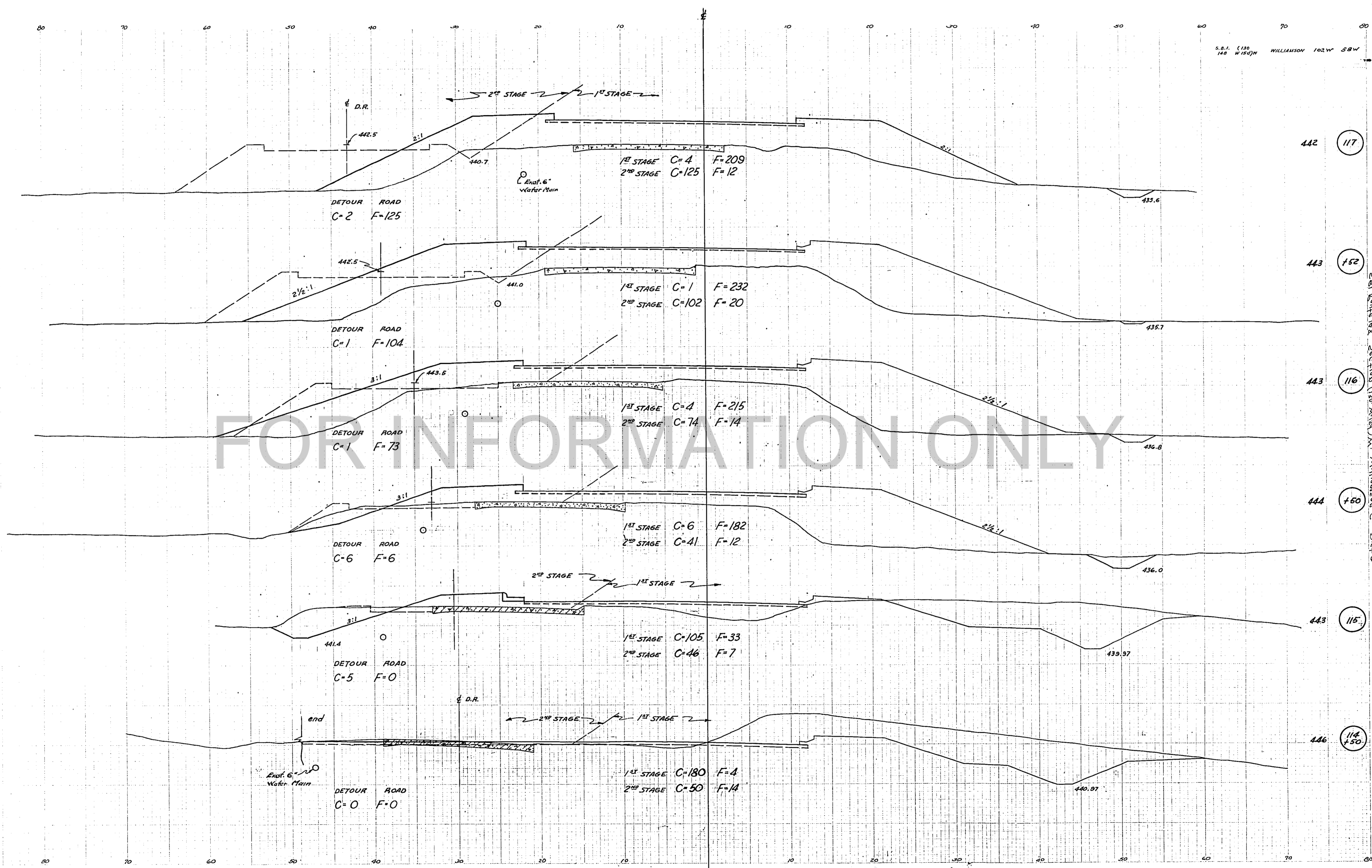


SECTION	DATE	TOTAL SHEETS	SHEET NO.
S.B.I. (130)	195	102 W	87 W
S.B.I. (130) 148 W (130) W WILLIAMSON CO. 102 W 87 W			

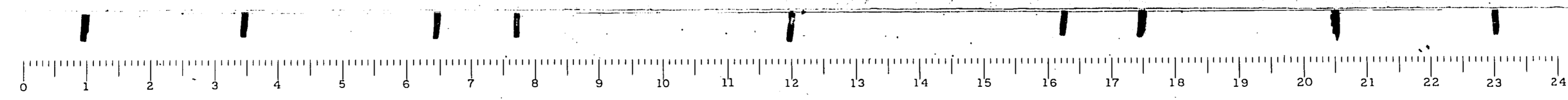


S.B.I. RTE. 148 SEC. (130, W15D)W, RS-1 WILLIAMSON CO. STA. 112+00-114+00



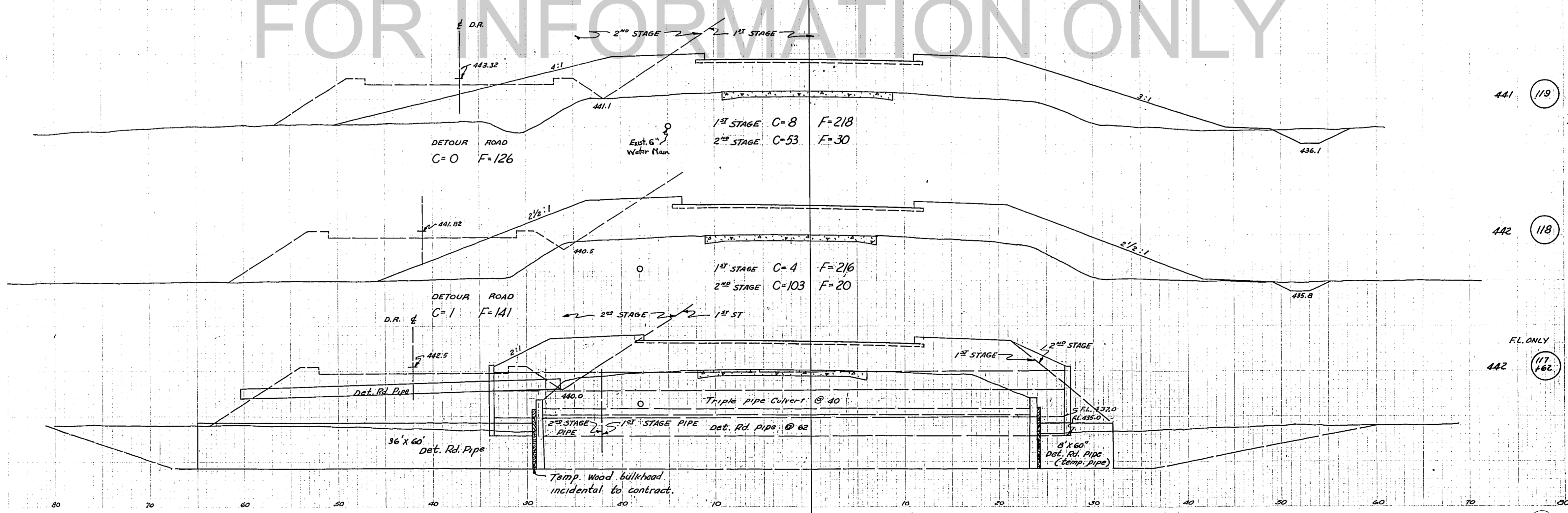


S.B.I. RTE. 148 SEC. (130, W150)W, RS-1 WILLIAMSON CO. STA. 114 + 50 - 117 + 00



EQUATION STA. 119 + 25.4 =
STA. 121 + 62.1 AHEAD

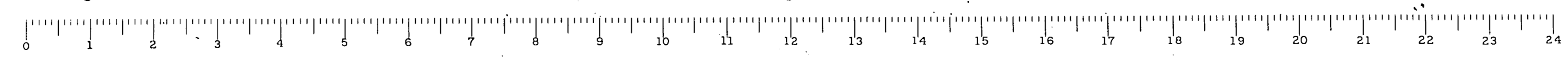
FOR INFORMATION ONLY



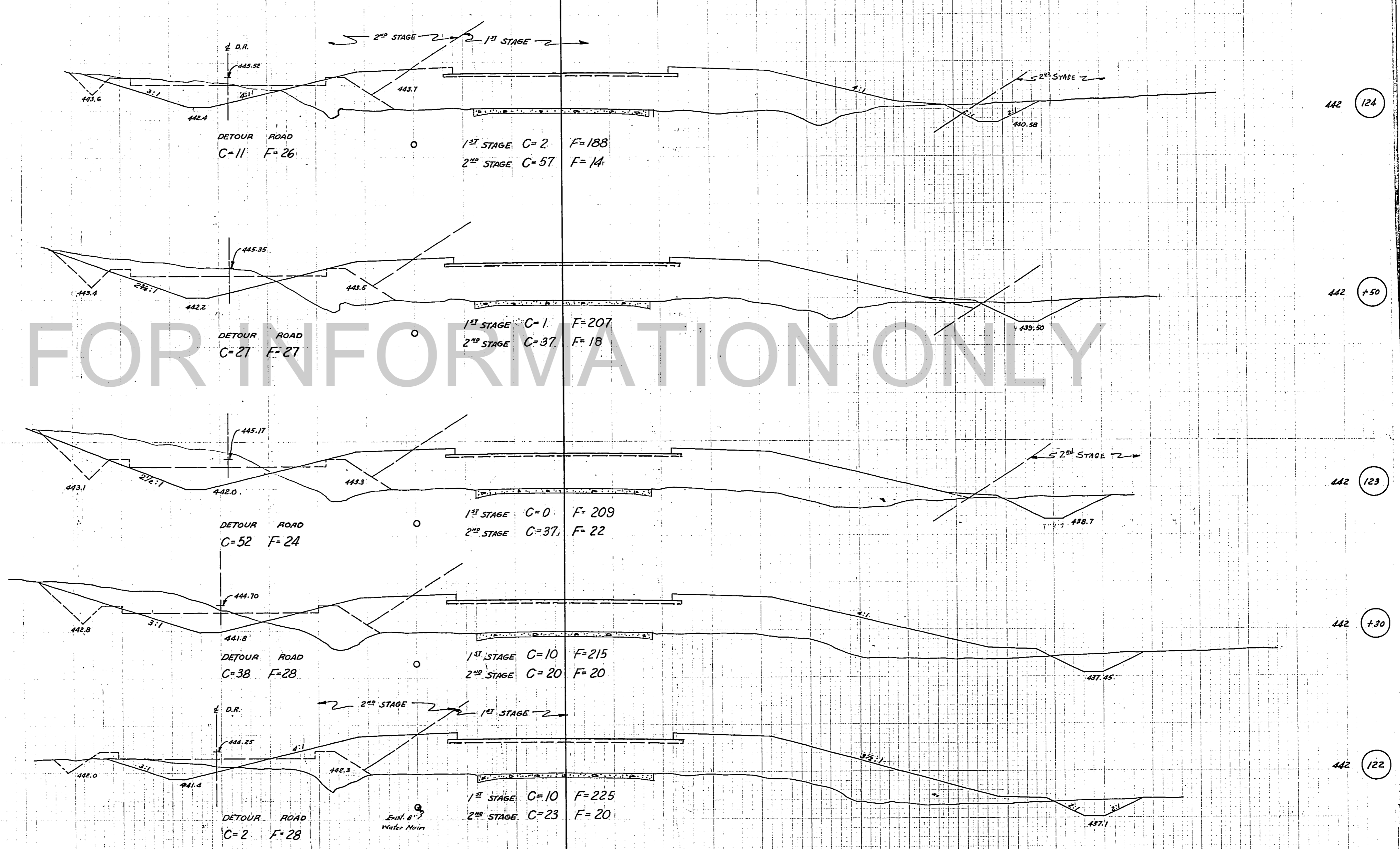
441 (119)

442 (118)

FL. ONLY
442 (117, 162)

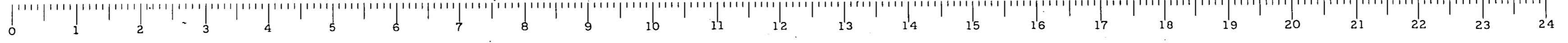


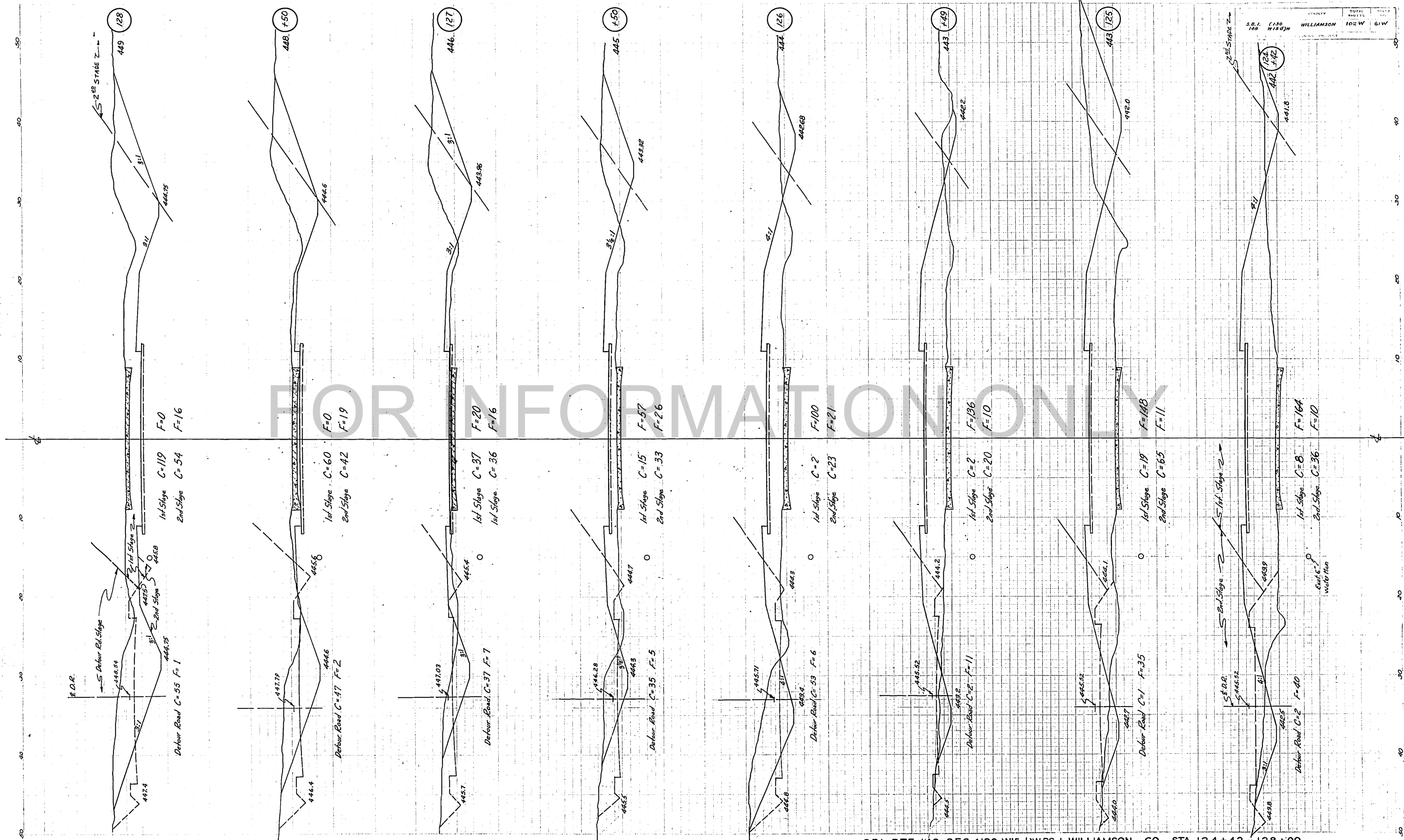
S. 1/4 130 WILLIAMSON 102 W 60 W
 148 W 16 DJW



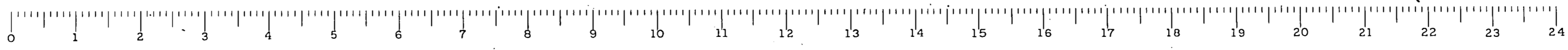
FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W15) WRS-1 WILLIAMSON CO. STA. 122+00 - 124+00



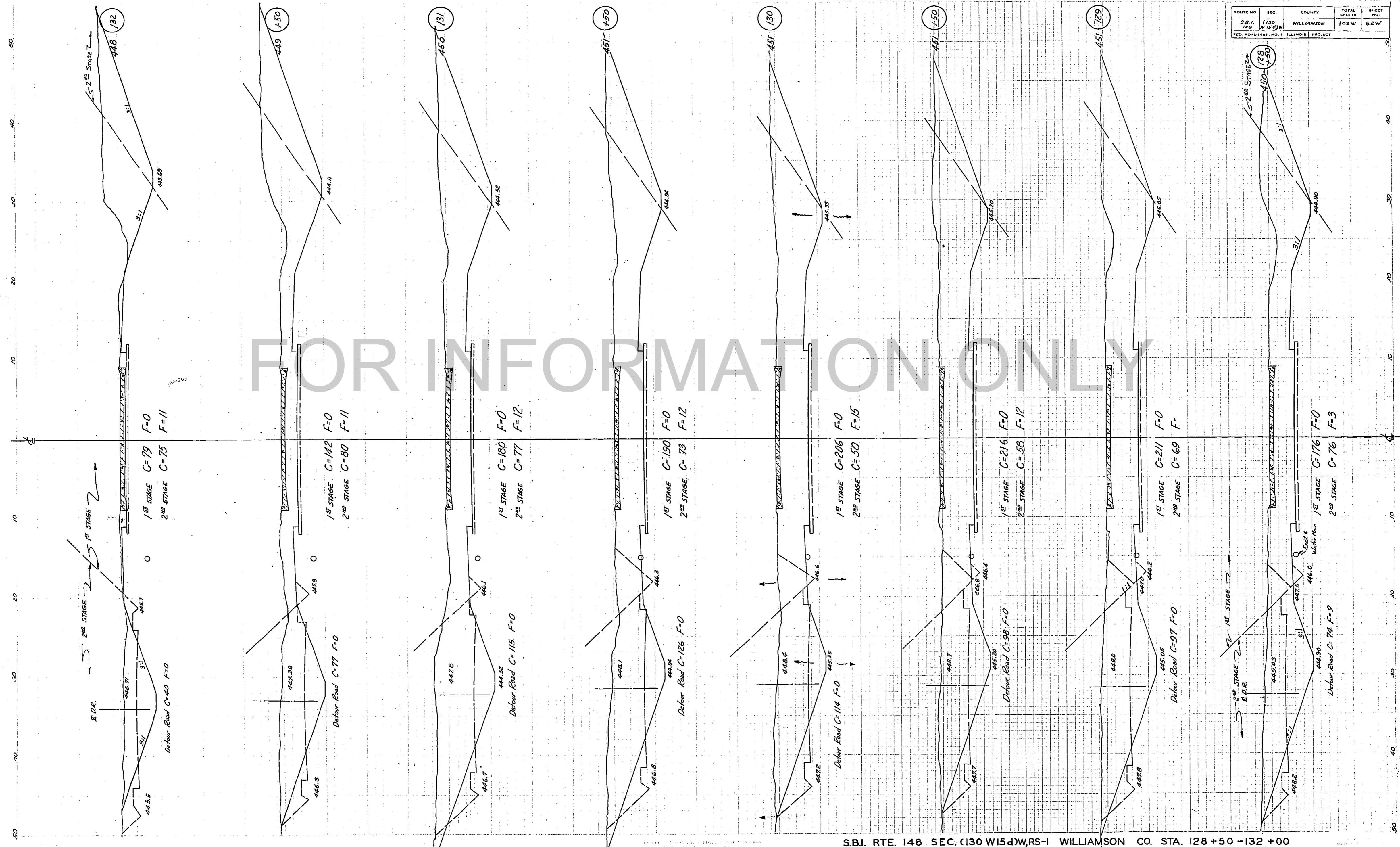


S.B.I. RTE. 148 SEC. (130,W15d)W,RS-1 WILLIAMSON CO. STA. 124+42 - 128+00



FOR INFORMATION ONLY

S.B.I. (130 W15d) W,RS-1
 WILLIAMSON CO. STA. 124+42 - 128+00
 TOTAL STATIONING: 102 W 61 W

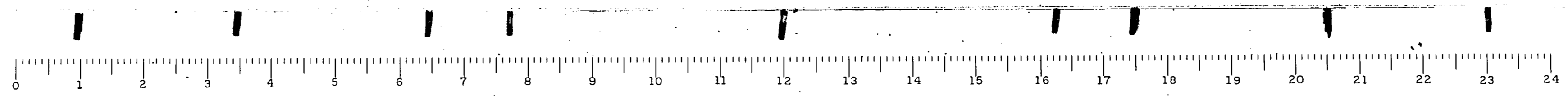


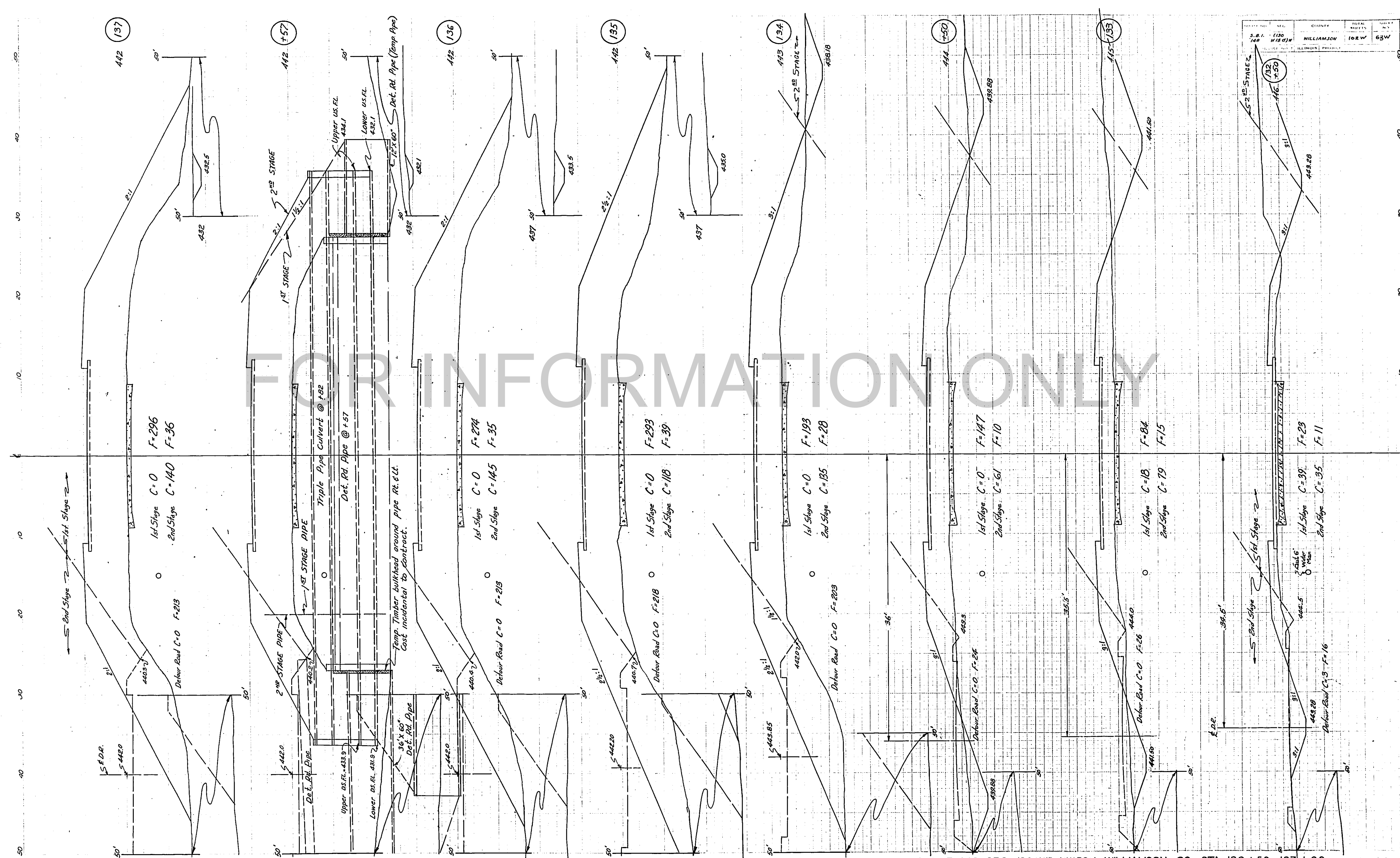
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 148	(130 W 1/4)	WILLIAMSON	102 W	62 W
RED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

S.B.I. RTE. 148 SEC. (130 W 1/4) WRS-1 WILLIAMSON CO. STA. 128+50 - 132+00

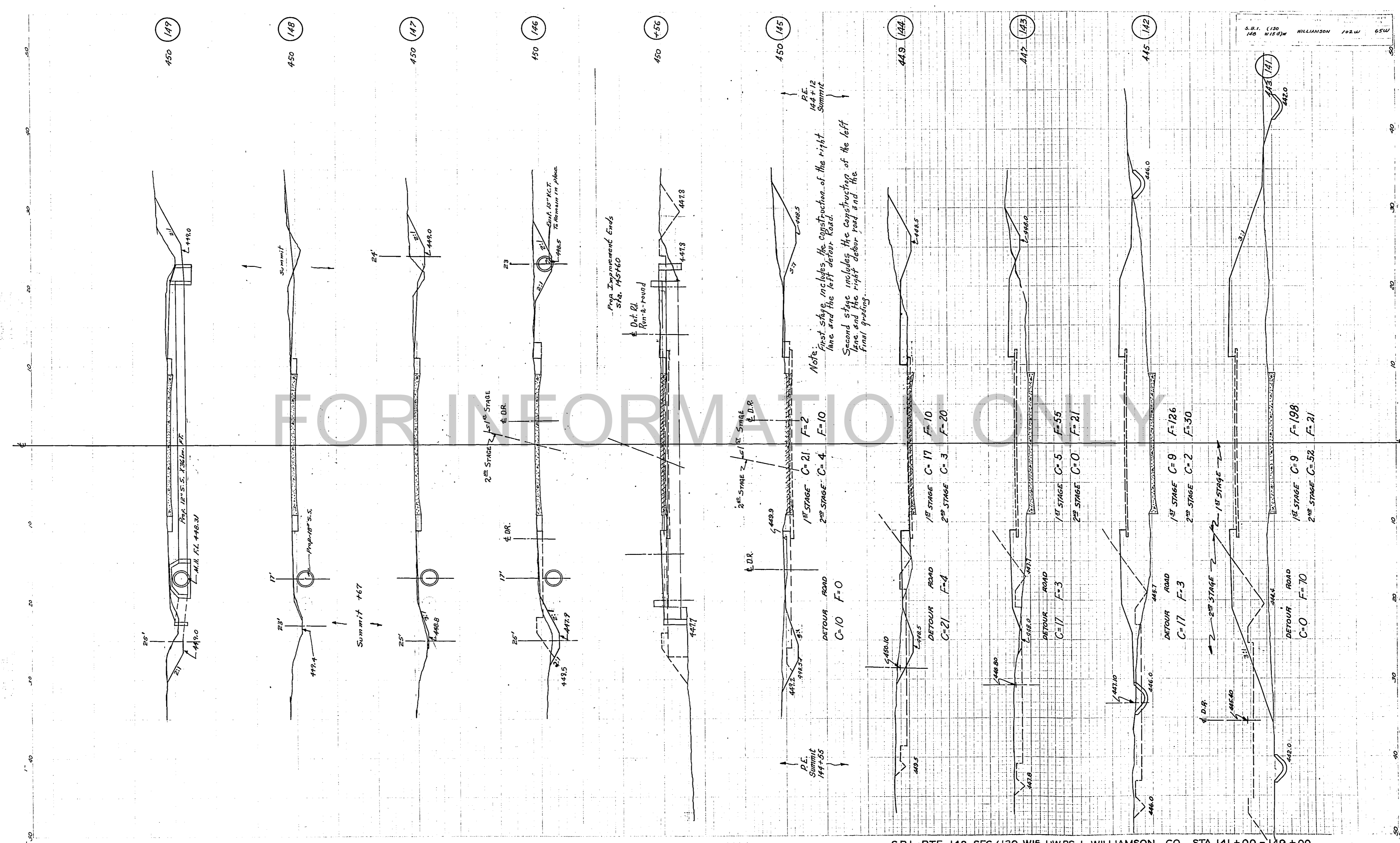




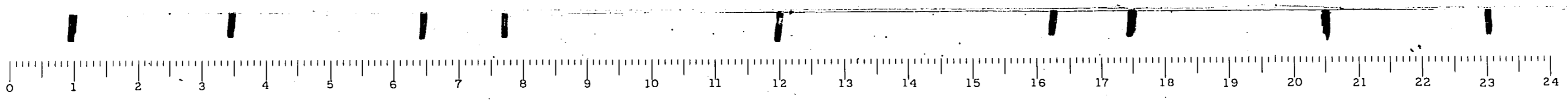
S.B.I. RTE. 148 SEC. 1(30,W15)W,RS-1 WILLIAMSON CO. STA. 132 + 50 - 137 + 00

DATE	BY	CHECKED	TOTAL SHEETS	SHEET NO.
1/30	WRS	WRS	102	63

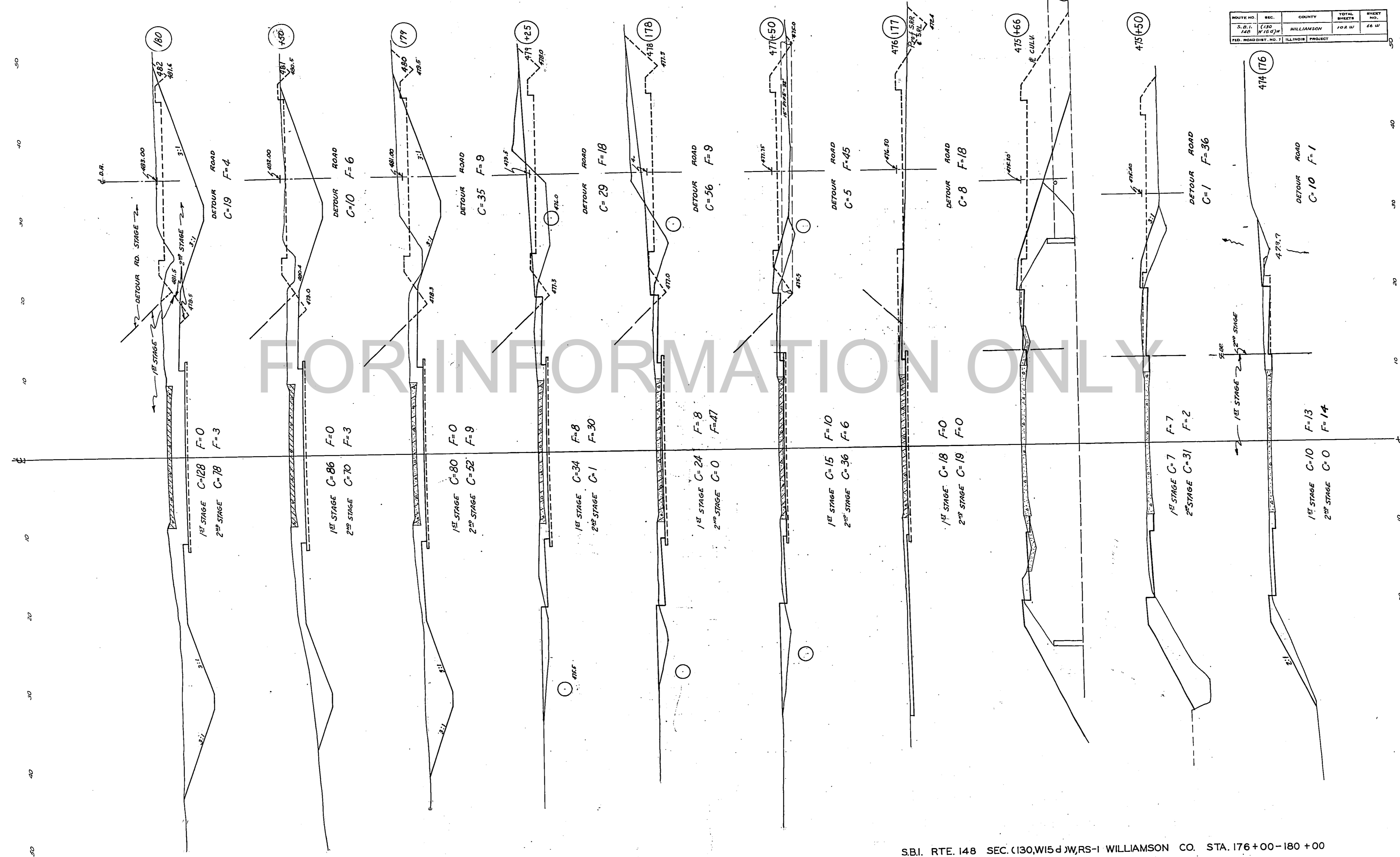




S.B.I. RTE. 148 SEC. 1130, W15d W, RS-1 WILLIAMSON CO. STA. 141+00 - 149+00

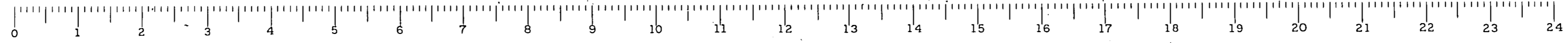


FOR INFORMATION ONLY

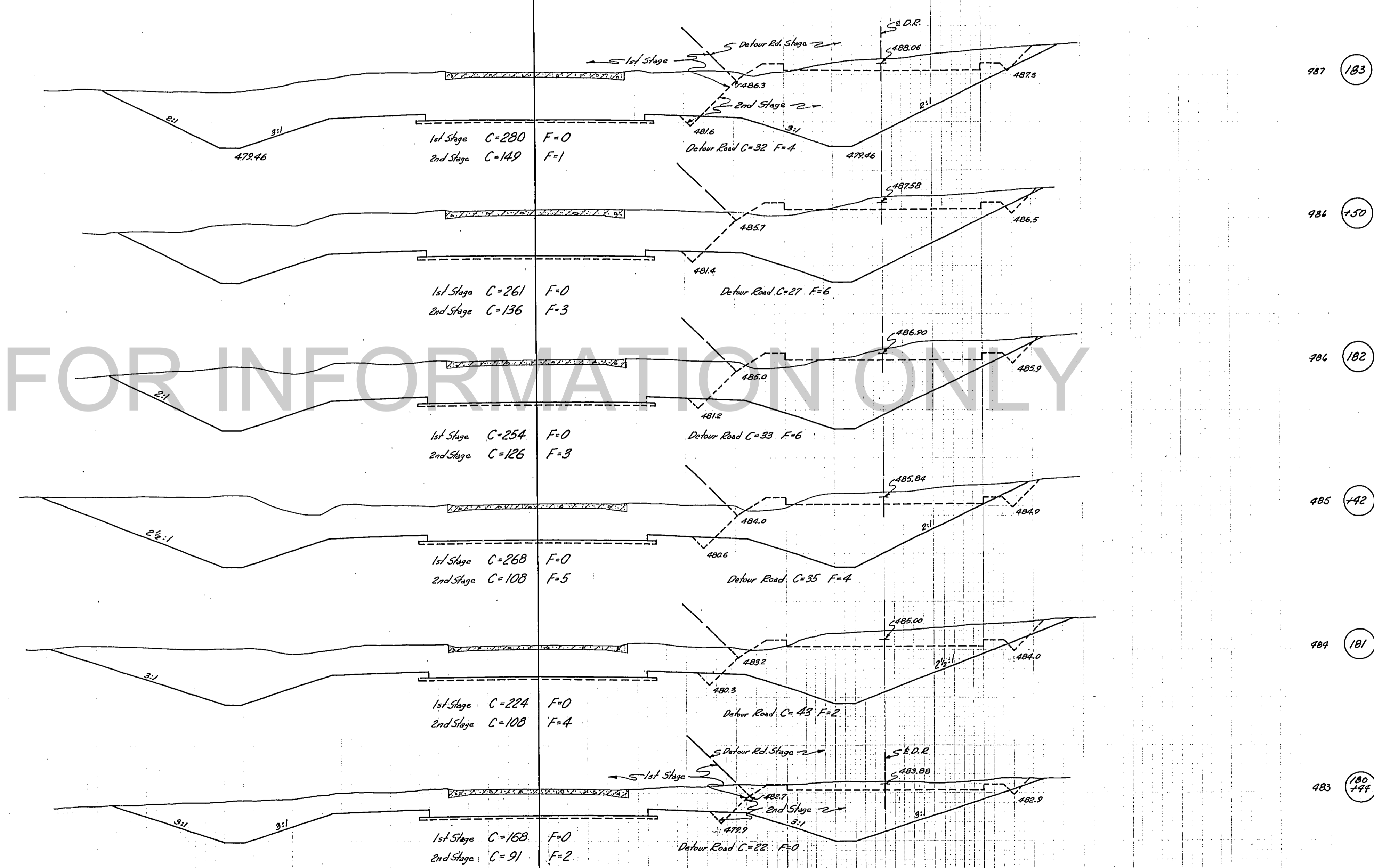


ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S. 141	(130)	WILLIAMSON	102 W	46 W
FED. ROAD DIST. NO. 1 ILLINOIS PROJECT				

S.B.I. RTE. 148 SEC. (130,W15 d)W,RS-1 WILLIAMSON CO. STA. 176+00-180+00



S.B.I. (130
148 W/5d)W
WILLIAMSON FOR W 6744

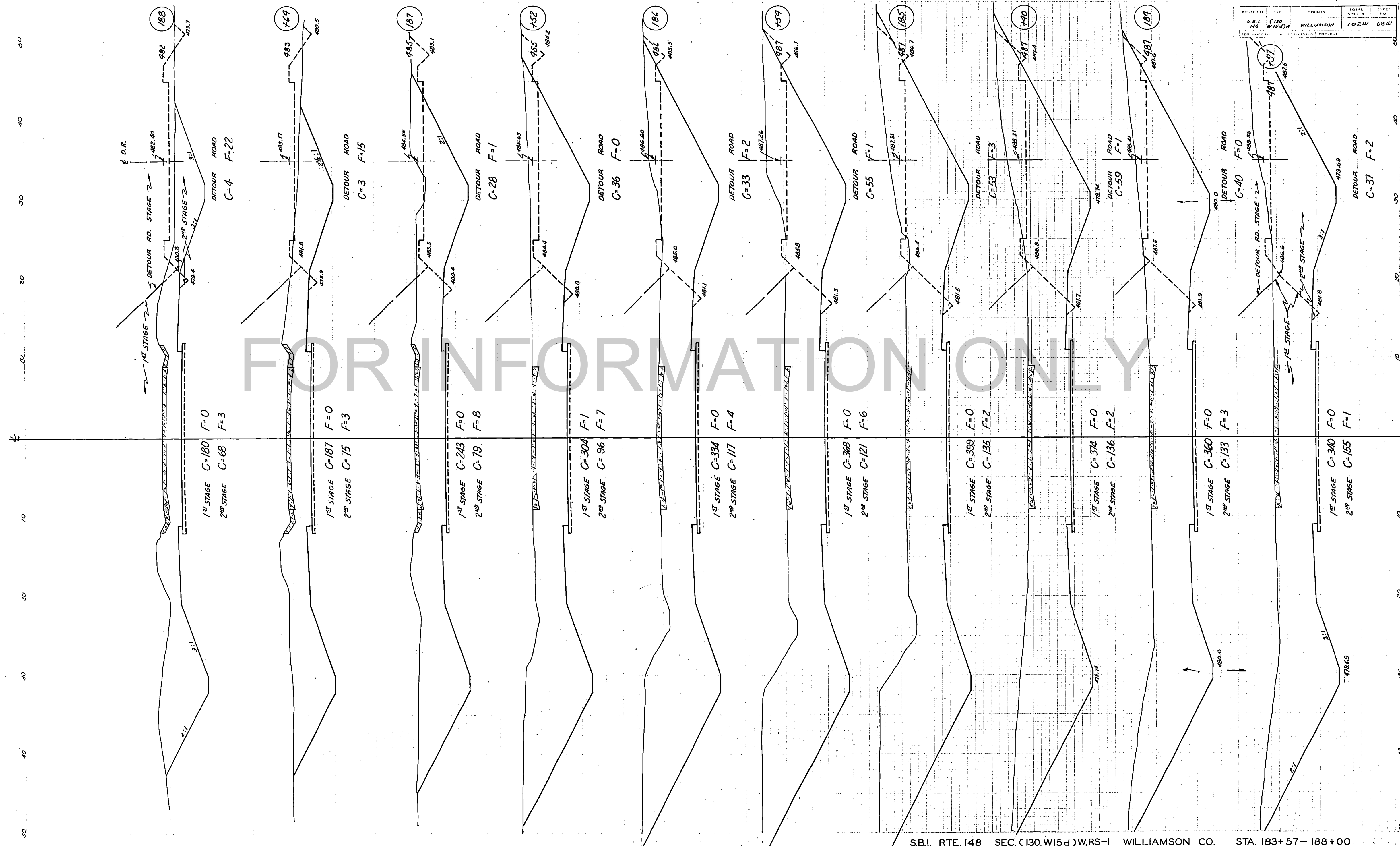


FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W/5d)W, RS-1 WILLIAMSON CO. STA. 180+44 - 183+00

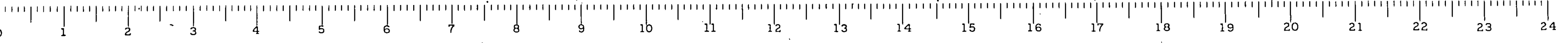


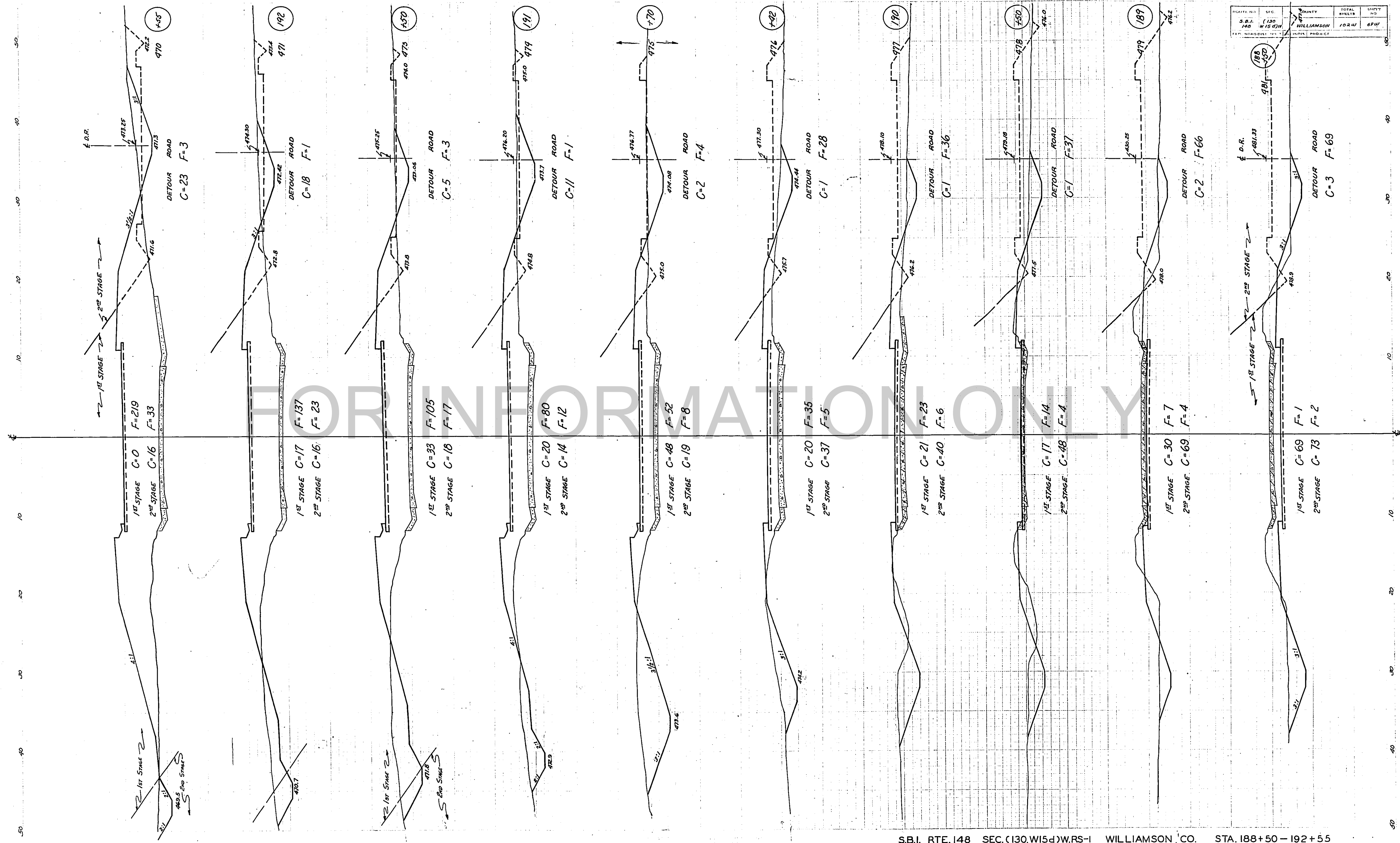
987 (183)
984 (150)
986 (182)
985 (142)
984 (181)
983 (180) (144)



SCALE	1" = 40'
DATE	1/20/10
PROJECT	WILLIAMSON
SHEET NO.	68W
TOTAL SHEETS	102W

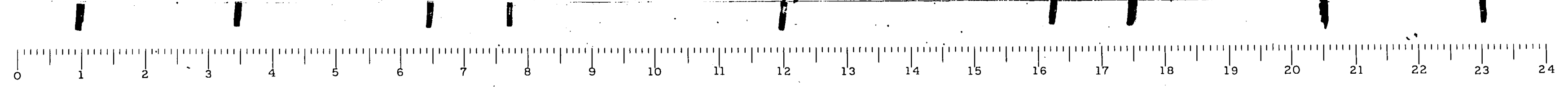
S.B.I. RTE. 148 SEC. (130, W15-d) WRS-1 WILLIAMSON CO. STA. 183+57 - 188+00

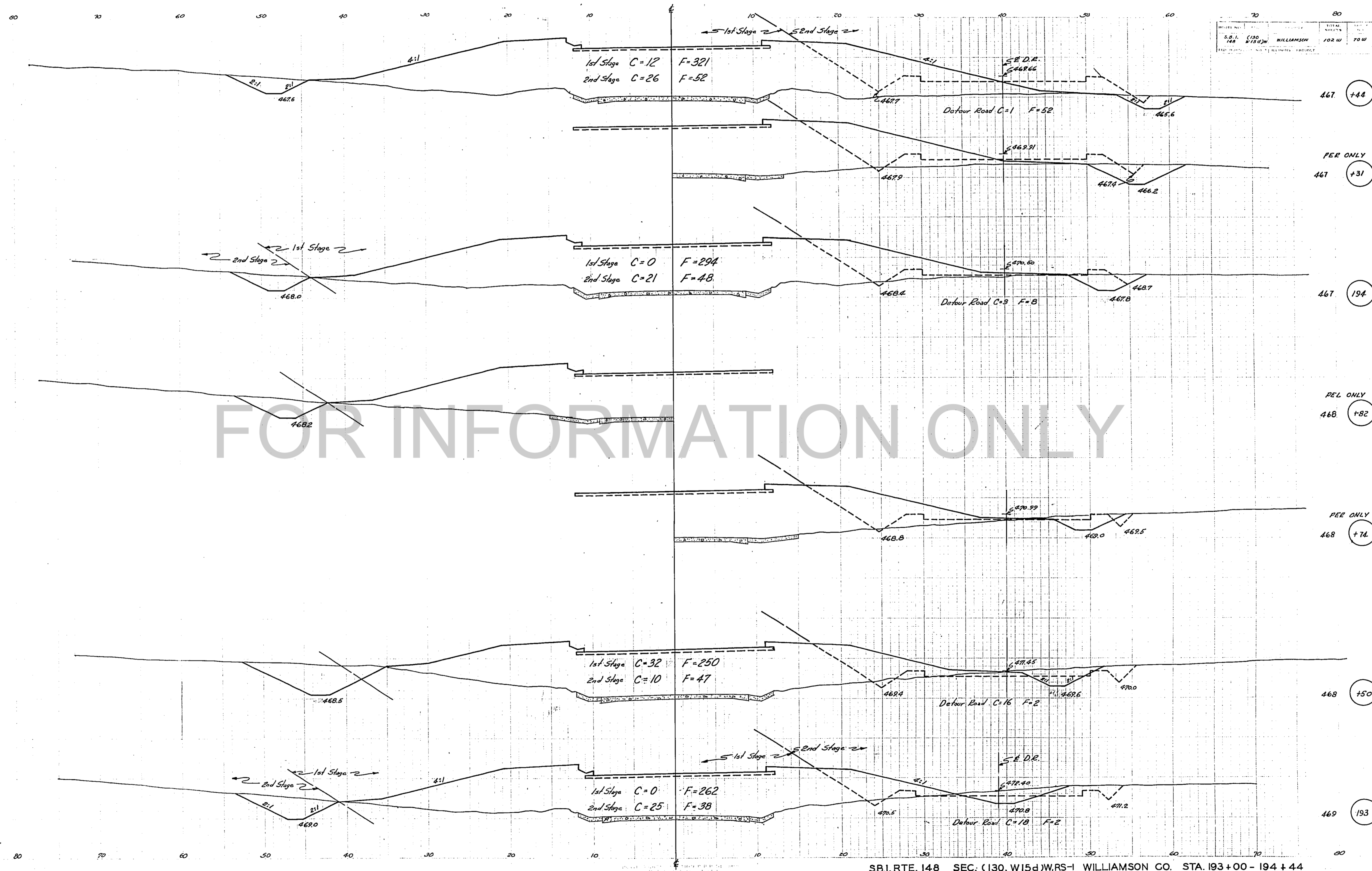




DATE	BY	CHECKED	APPROVED	TOTAL SHEETS	SHEET NO.
S.B.I. 1230	WILLIAMSON	10/24	6/24	10/24	6/24
1/80	WILLIAMSON	10/24	6/24	10/24	6/24
1/80	WILLIAMSON	10/24	6/24	10/24	6/24

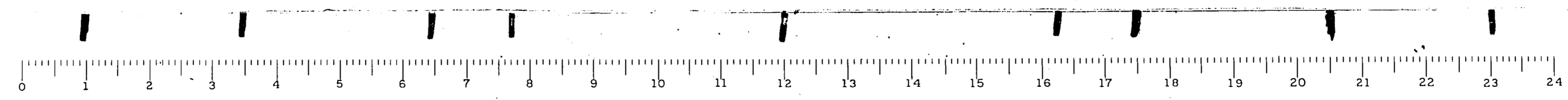
S.B.I. RTE. 148 SEC. (130, W15d) WRS-1 WILLIAMSON CO. STA. 188+50 - 192+55

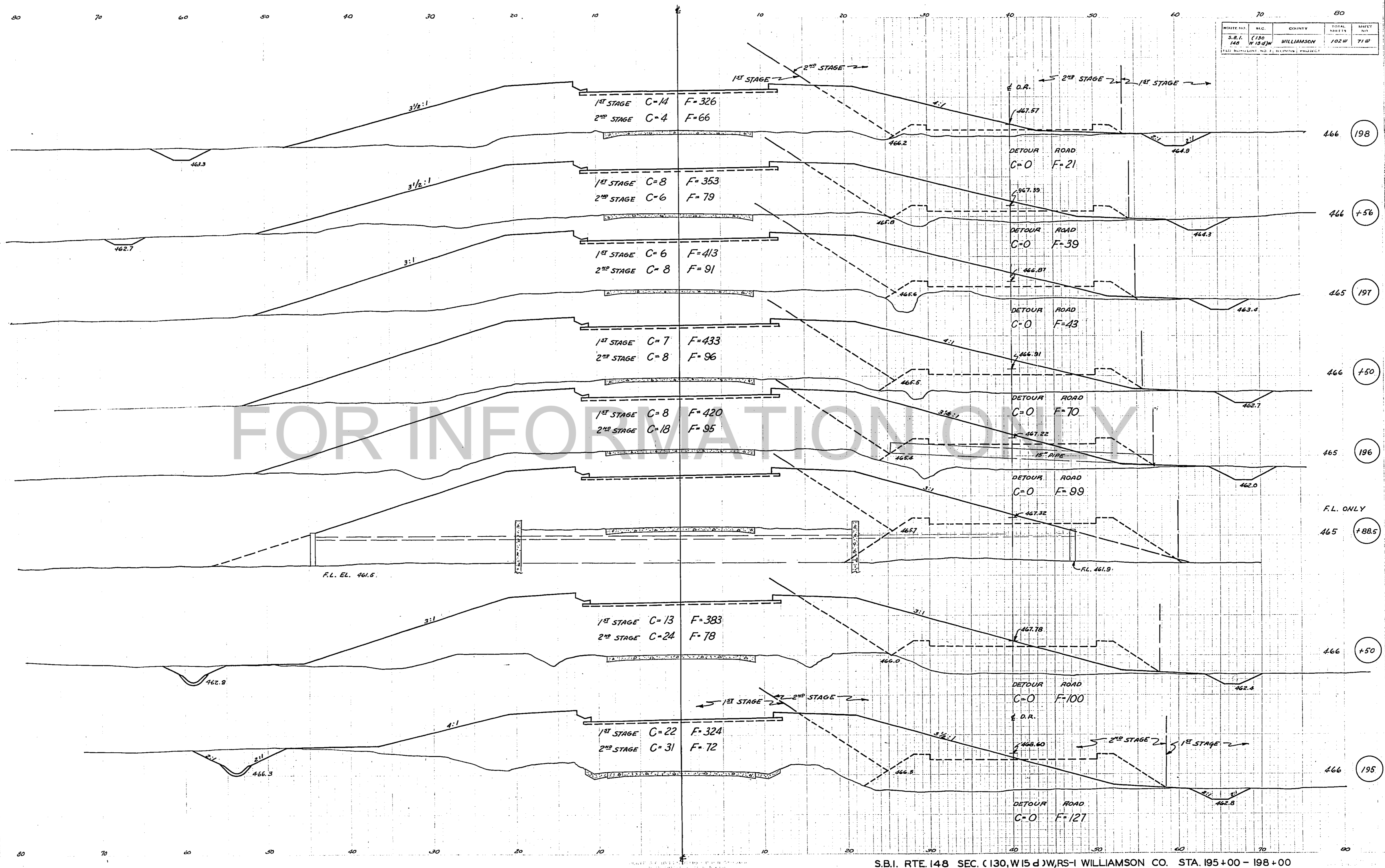




FOR INFORMATION ONLY

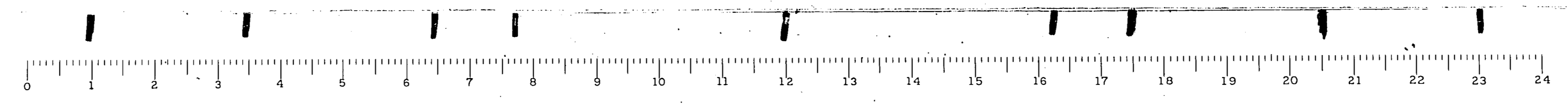
S.B.I. RTE. 148 SEC. (130, W15d) W, RS-1 WILLIAMSON CO. STA. 193+00 - 194+44

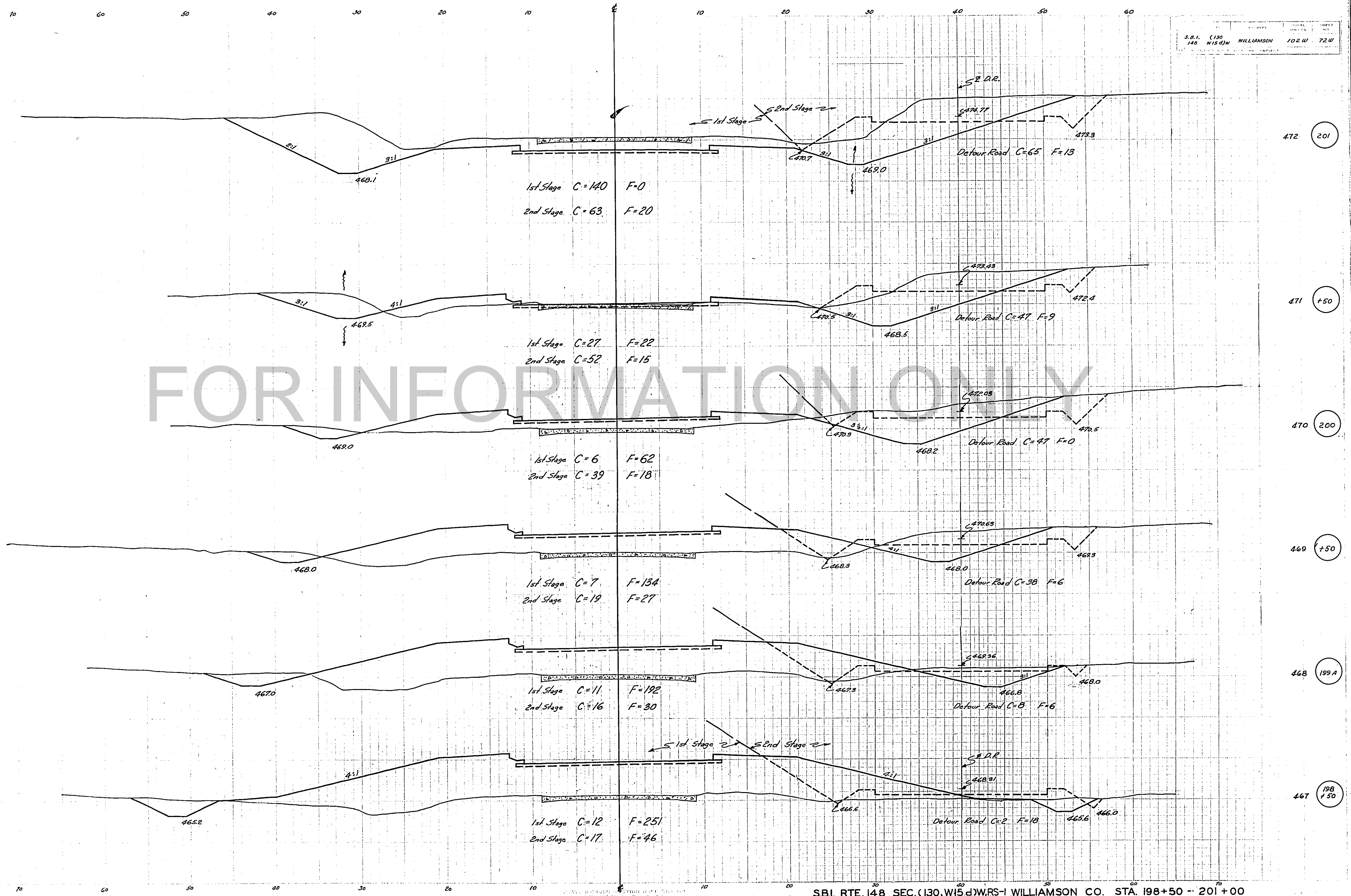




SECTION	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. C130	148	WILLIAMSON	102 W	71 W

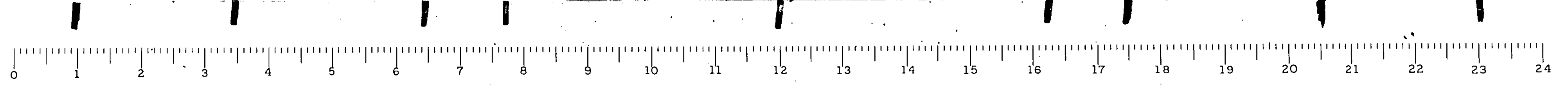
S.B.I. RTE. 148 SEC. C130, W15 d W, RS-1 WILLIAMSON CO. STA. 195+00 - 198+00



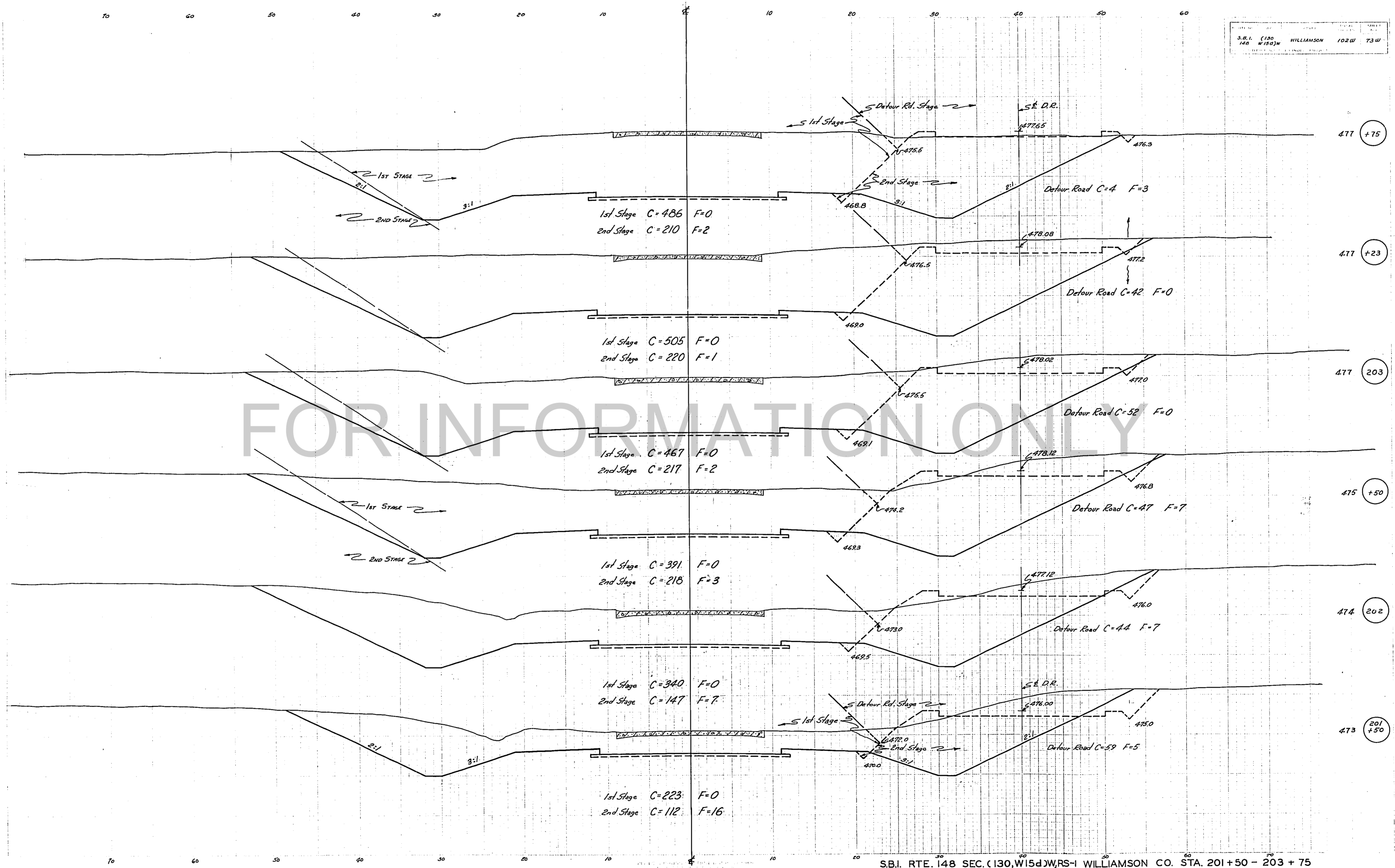


S.B.L. (130
140 W15)W
WILLIAMSON
102 W 72 W

S.B.L. RTE. 148 SEC. (130, W15) WRS-1 WILLIAMSON CO. STA. 198+50 -- 201+00

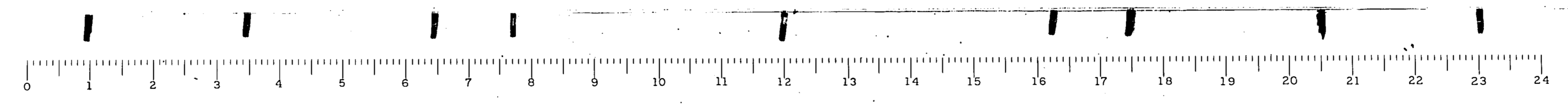


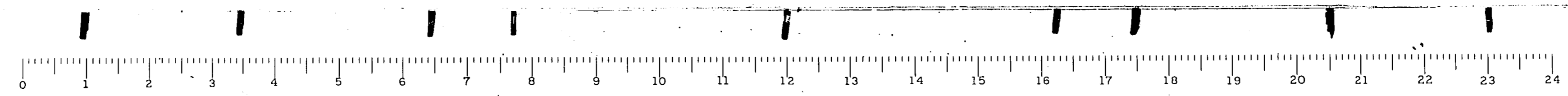
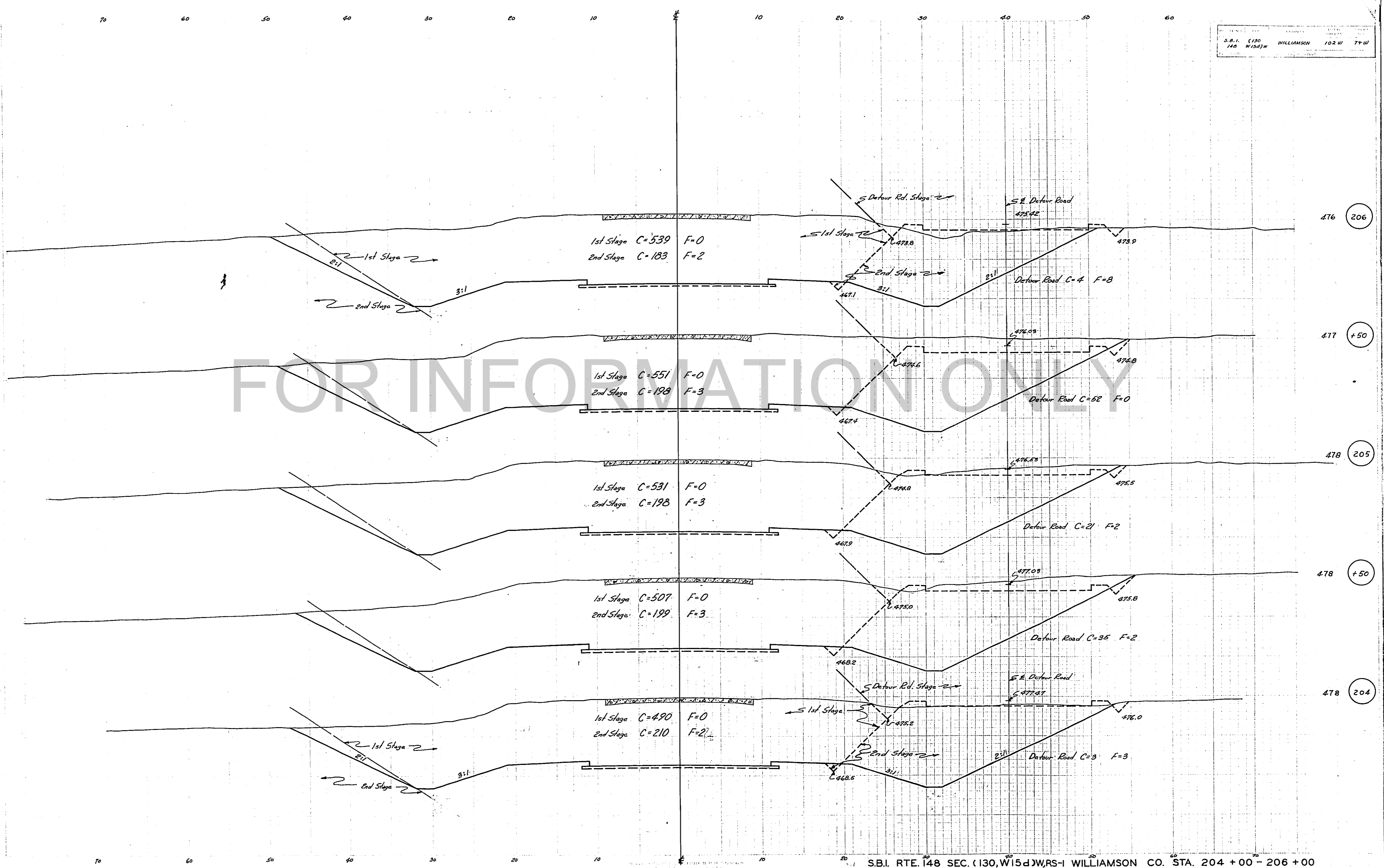
S.B.I. (130
140 W150)W WILLIAMSON 102 W 73 W

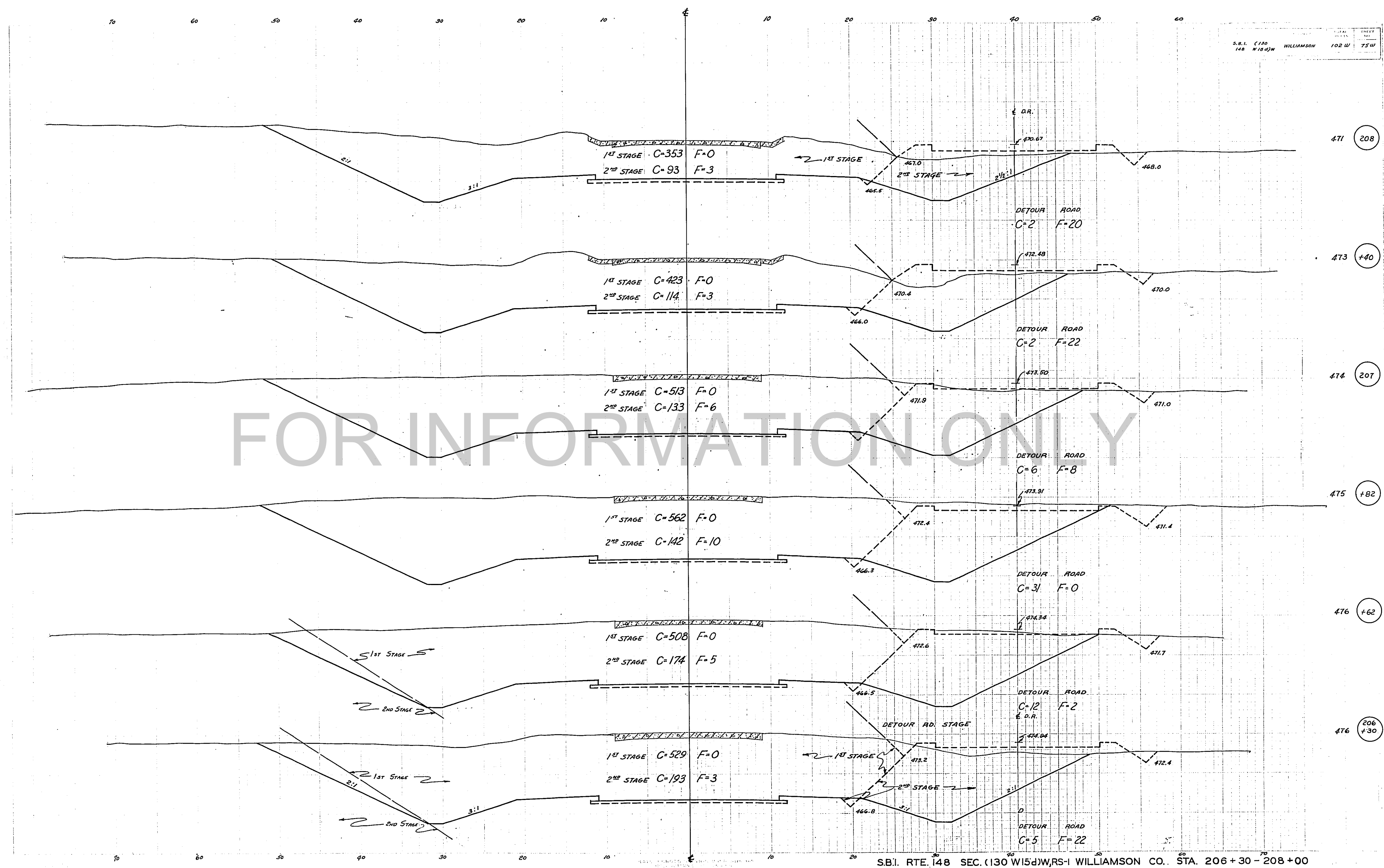


FOR INFORMATION ONLY

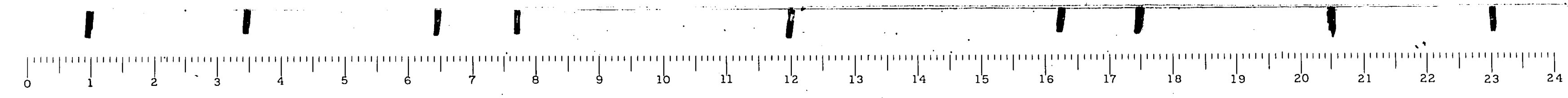
S.B.I. RTE. 148 SEC. (130, W150) W150 WILLIAMSON CO. STA. 201+50 - 203+75



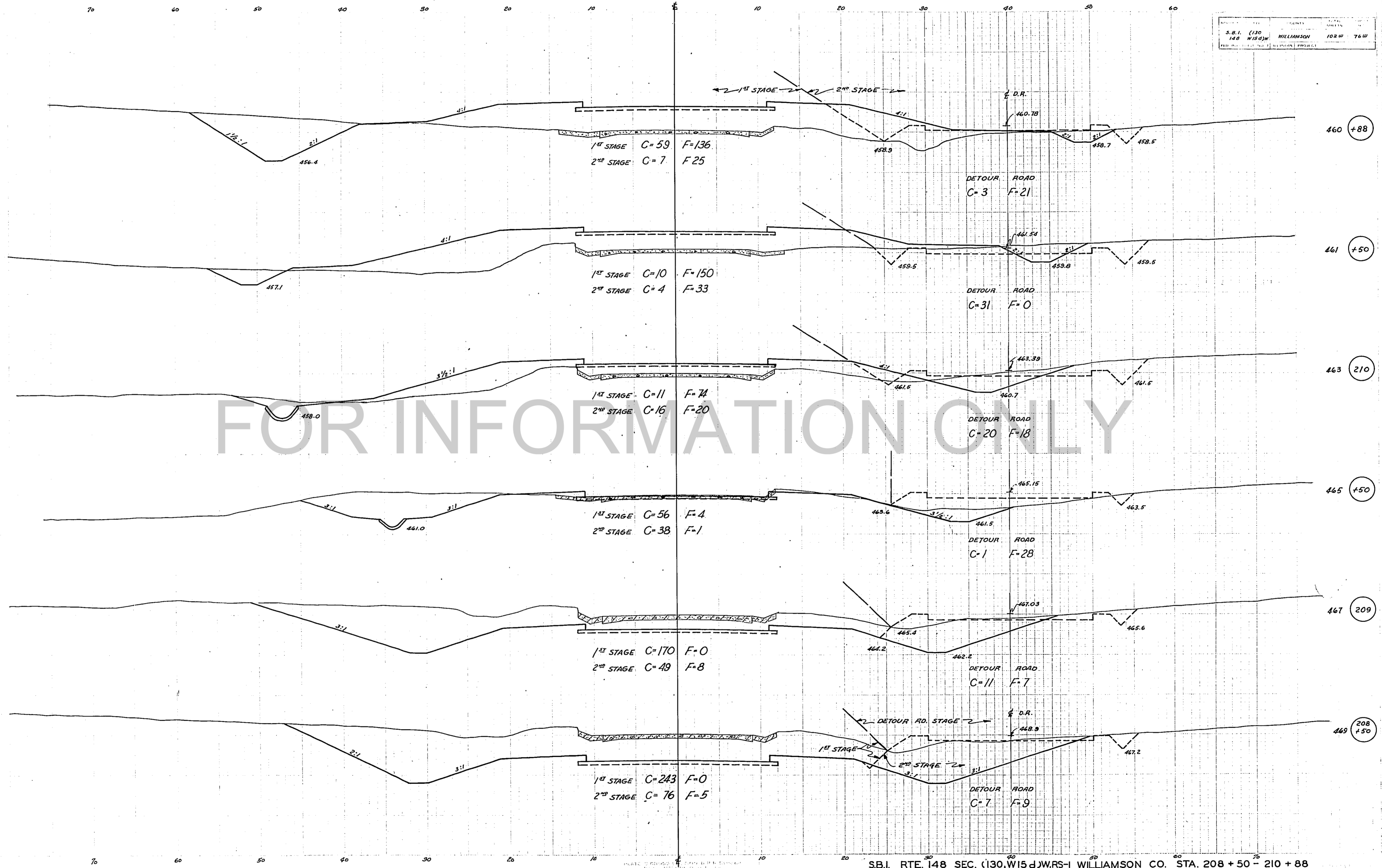




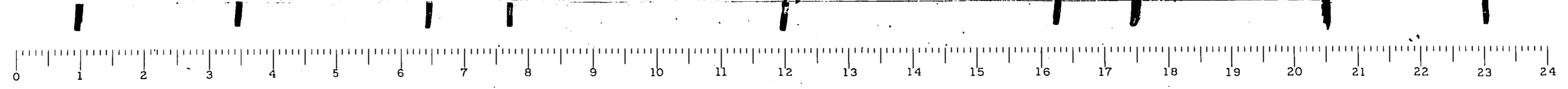
FOR INFORMATION ONLY



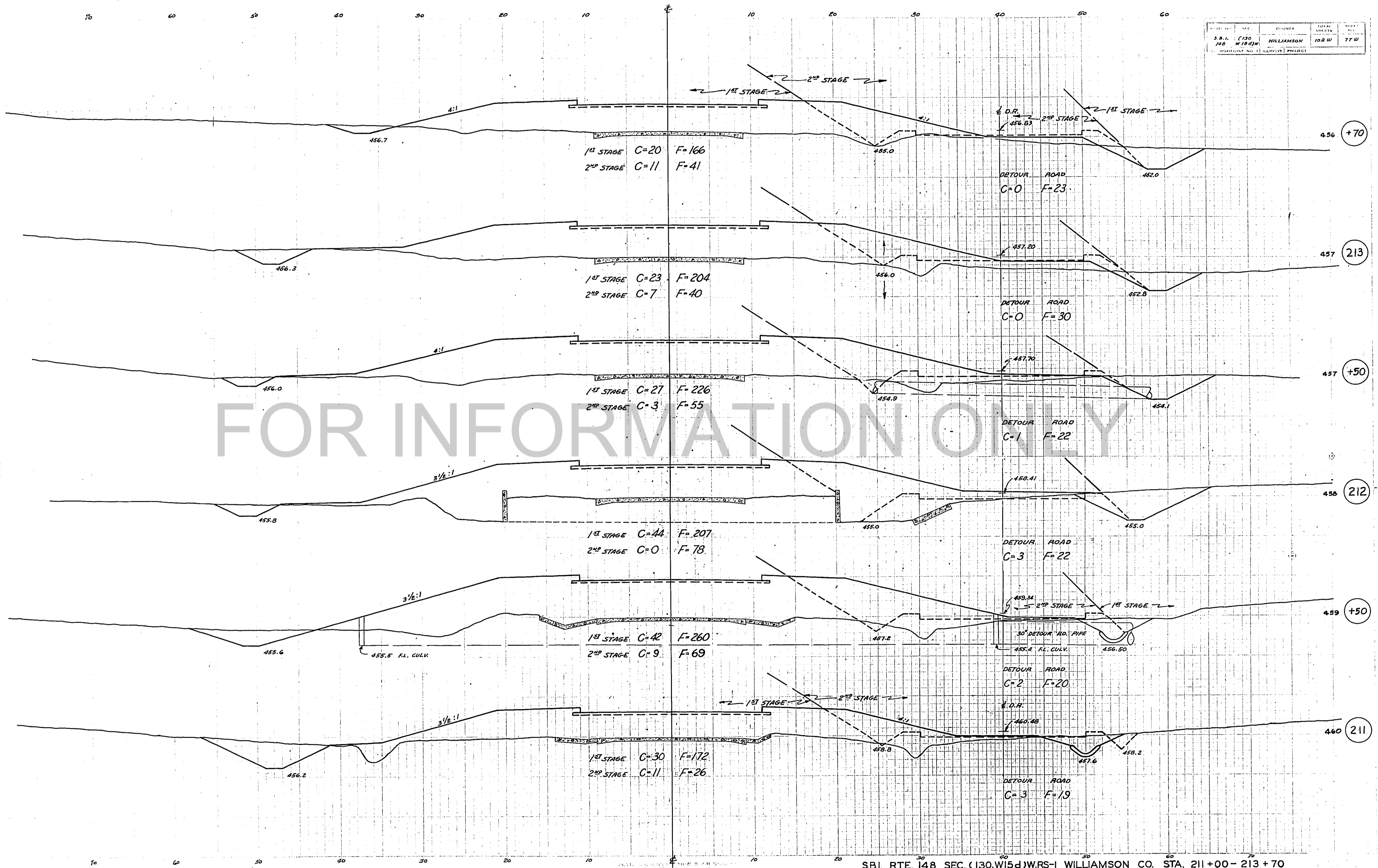
S.B.L. (130
148 W150)W WILLIAMSON 102 W 74 W



S.B.L. RTE. 148 SEC. (130, W150) W, R/S-1 WILLIAMSON CO. STA. 208 + 50 - 210 + 88

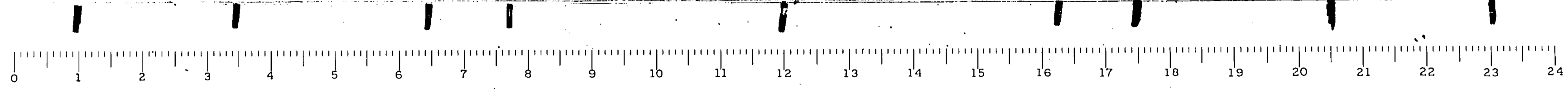


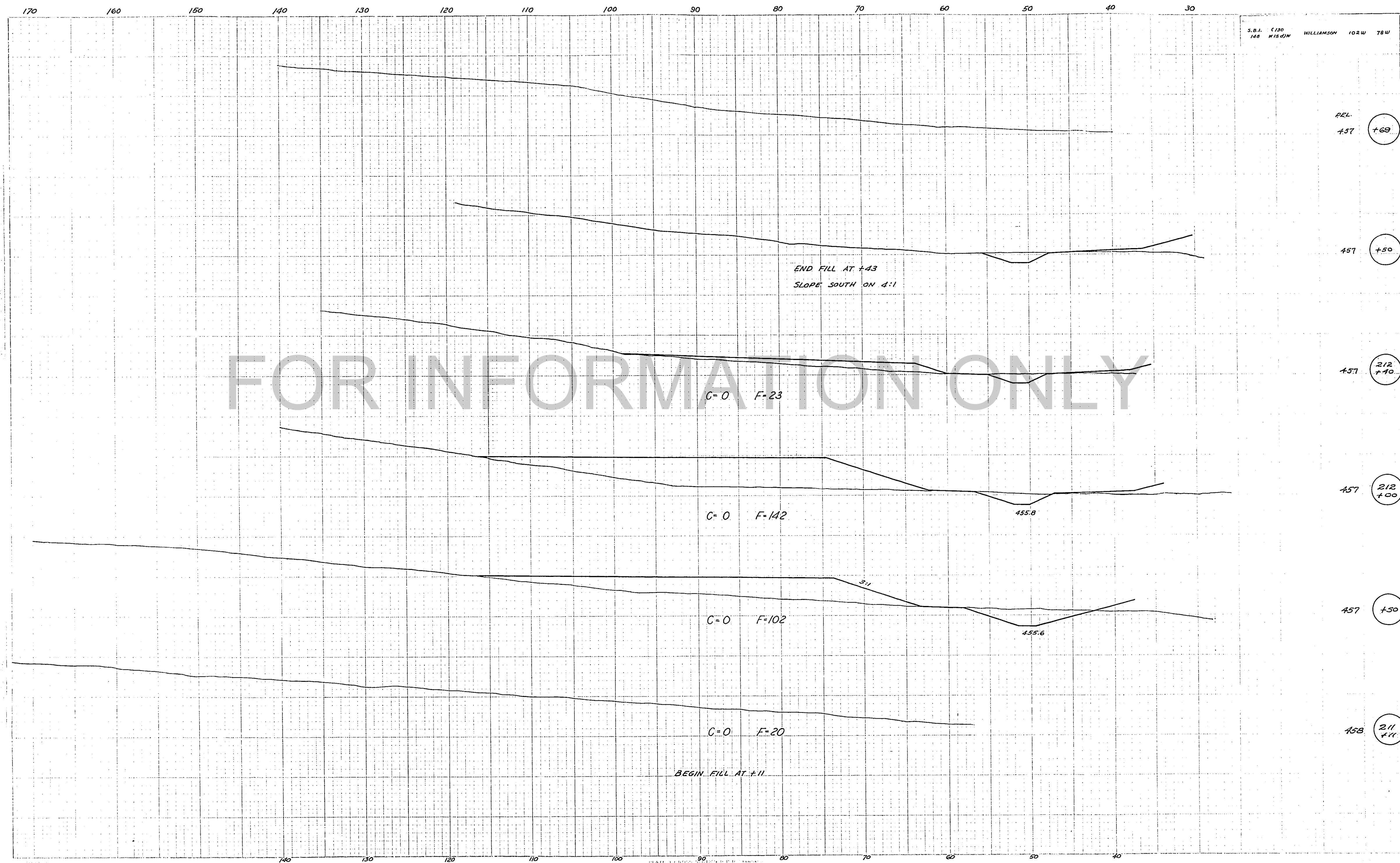
DATE	BY	CHECKED	DATE
3.8.11	(130)	WILLIAMSON	10.2.11
148	W 180 W		77 W
PROJECT NO. 11 HANCOCK PROJECT			



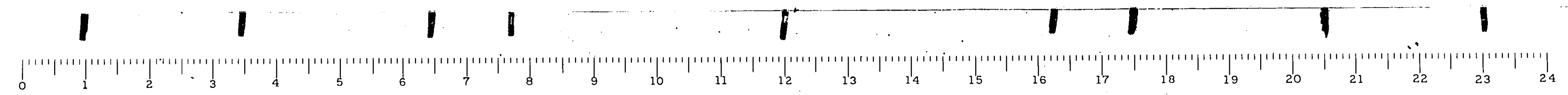
FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W15d) W, RS-1 WILLIAMSON CO. STA. 211+00 - 213+70

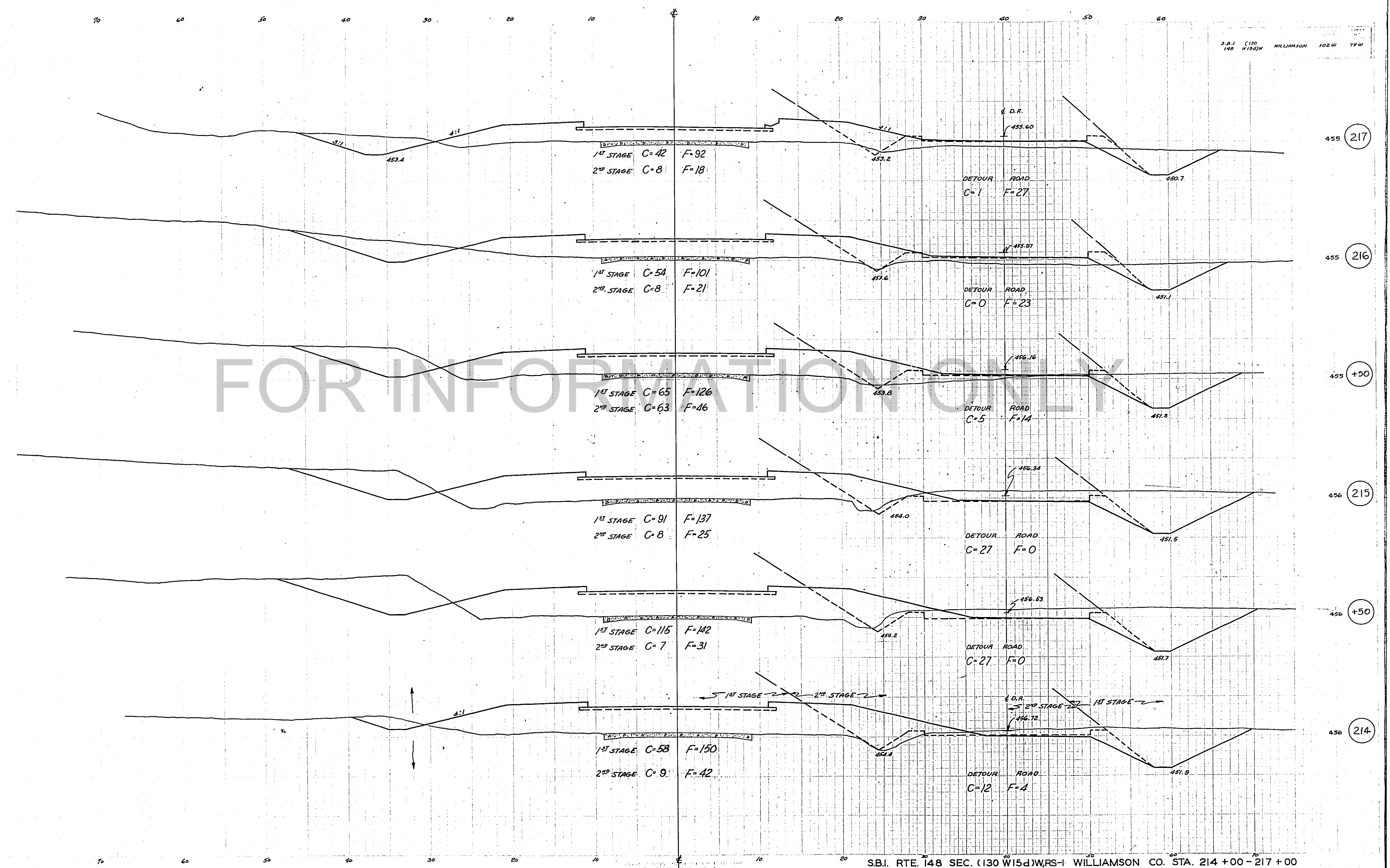




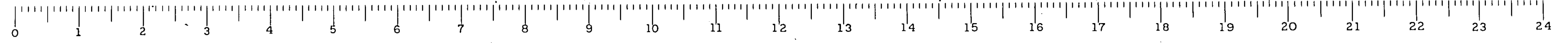
S.B.I. RTE. 148 SEC. (130, W15d) W,RS-1 WILLIAMSON CO. STA. 211+11 - STA. 212+69 (EXTENSION LEFT)

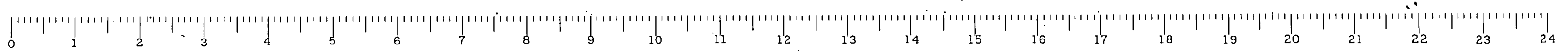
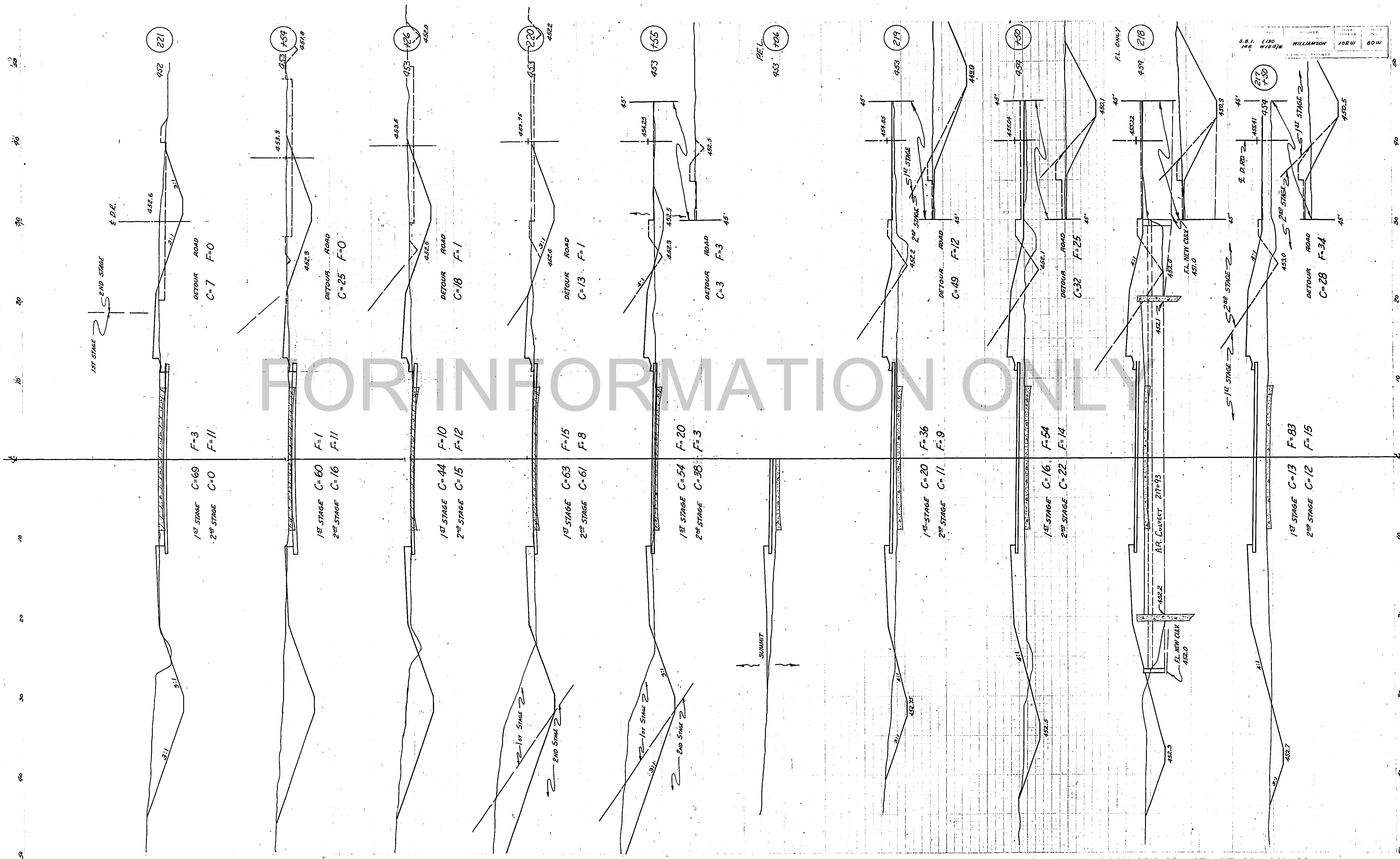


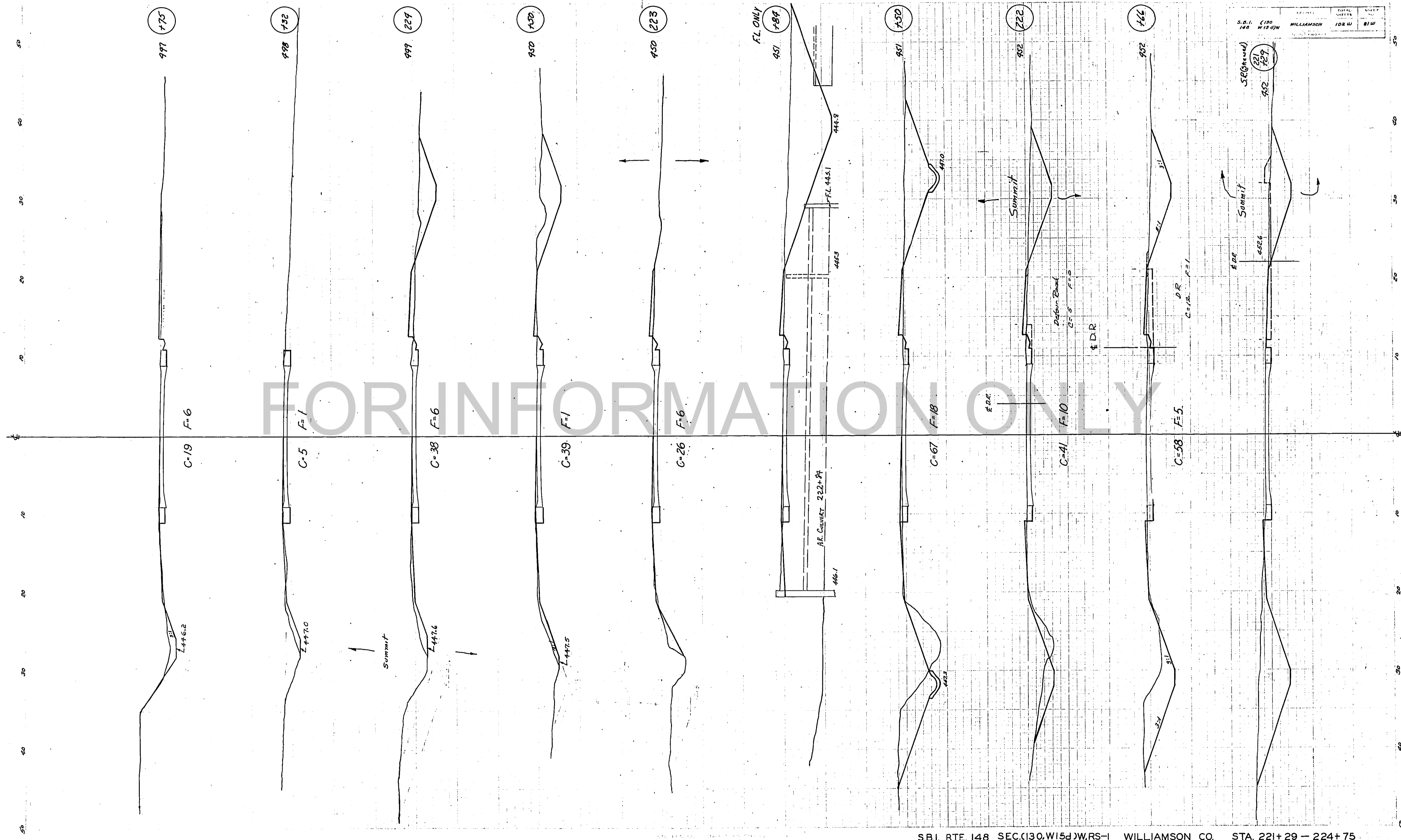
S.B.J. (130
148 W15) W/RS-1 WILLIAMSON CO. STA. 214 +00 - 217 +00



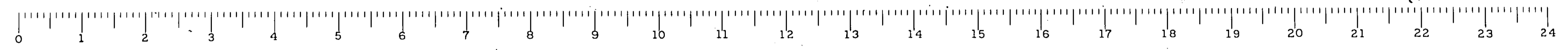
S.B.I. RTE. 148 SEC. (130 W15) W/RS-1 WILLIAMSON CO. STA. 214 +00 - 217 +00



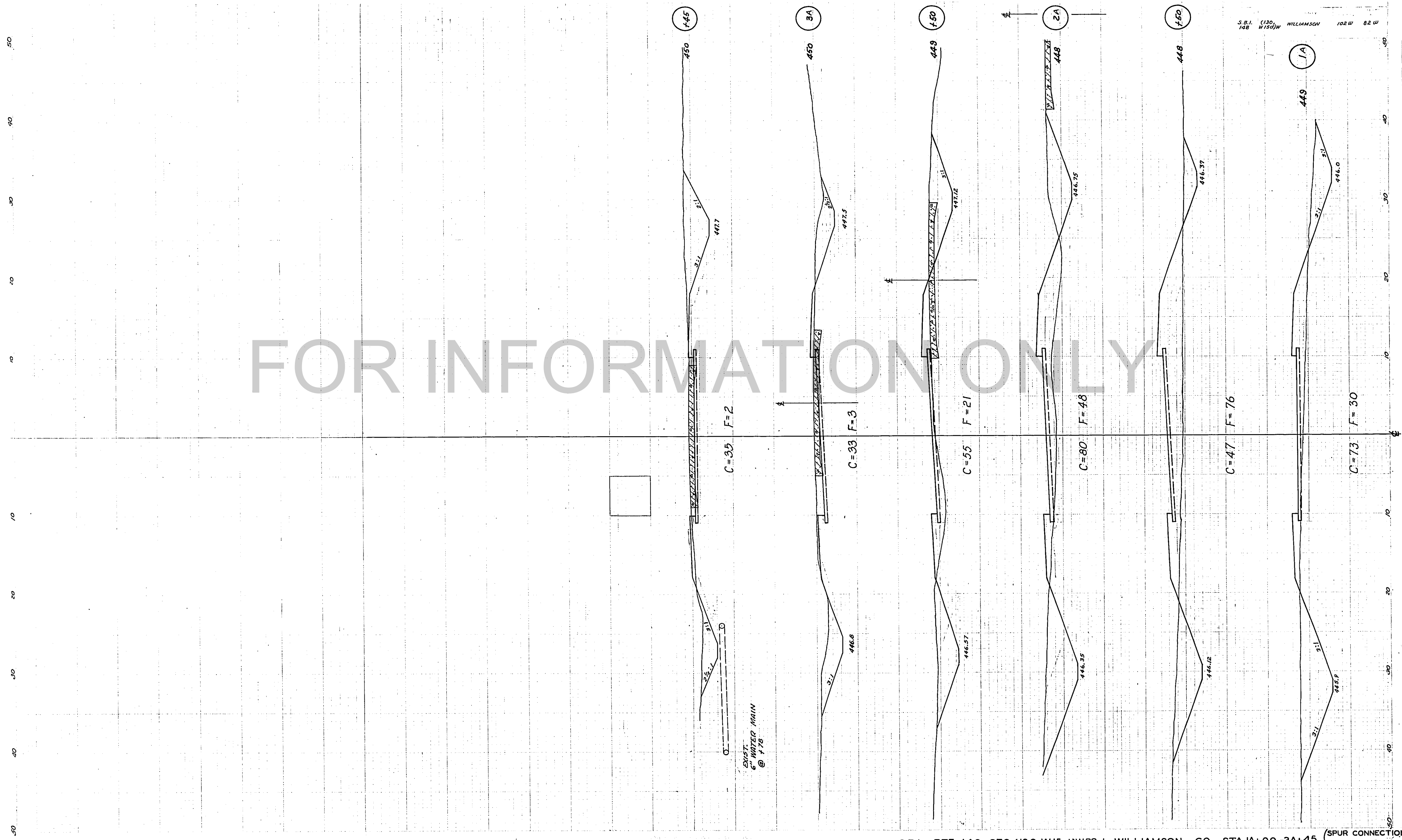




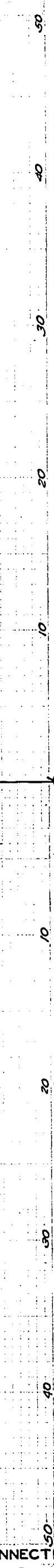
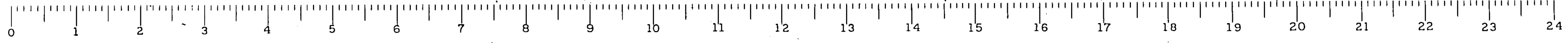
S.B.I. RTE. 148 SEC.(130,W)5JW,RS-1 WILLIAMSON CO. STA. 221+29 - 224+75.

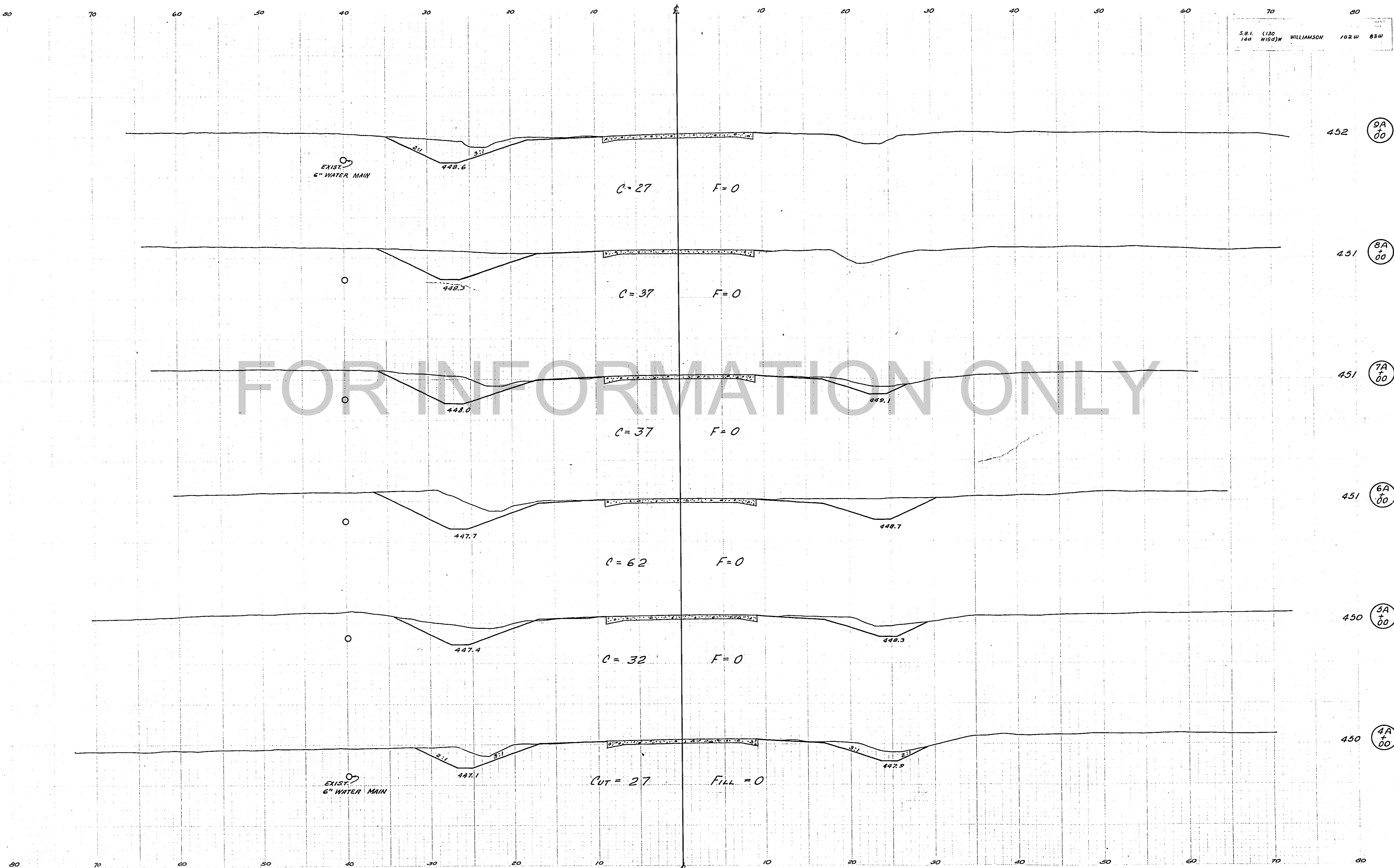


FOR INFORMATION ONLY



S.B.I. RTE. 148 SEC. (130, W15 D) W, RS-1 WILLIAMSON CO. STA. 1A+00 -3A+45 (SPUR CONNECTION RT. STA. 82+00)

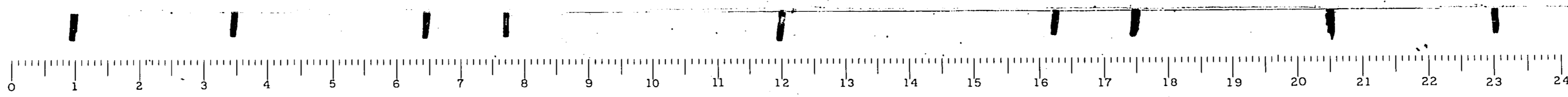


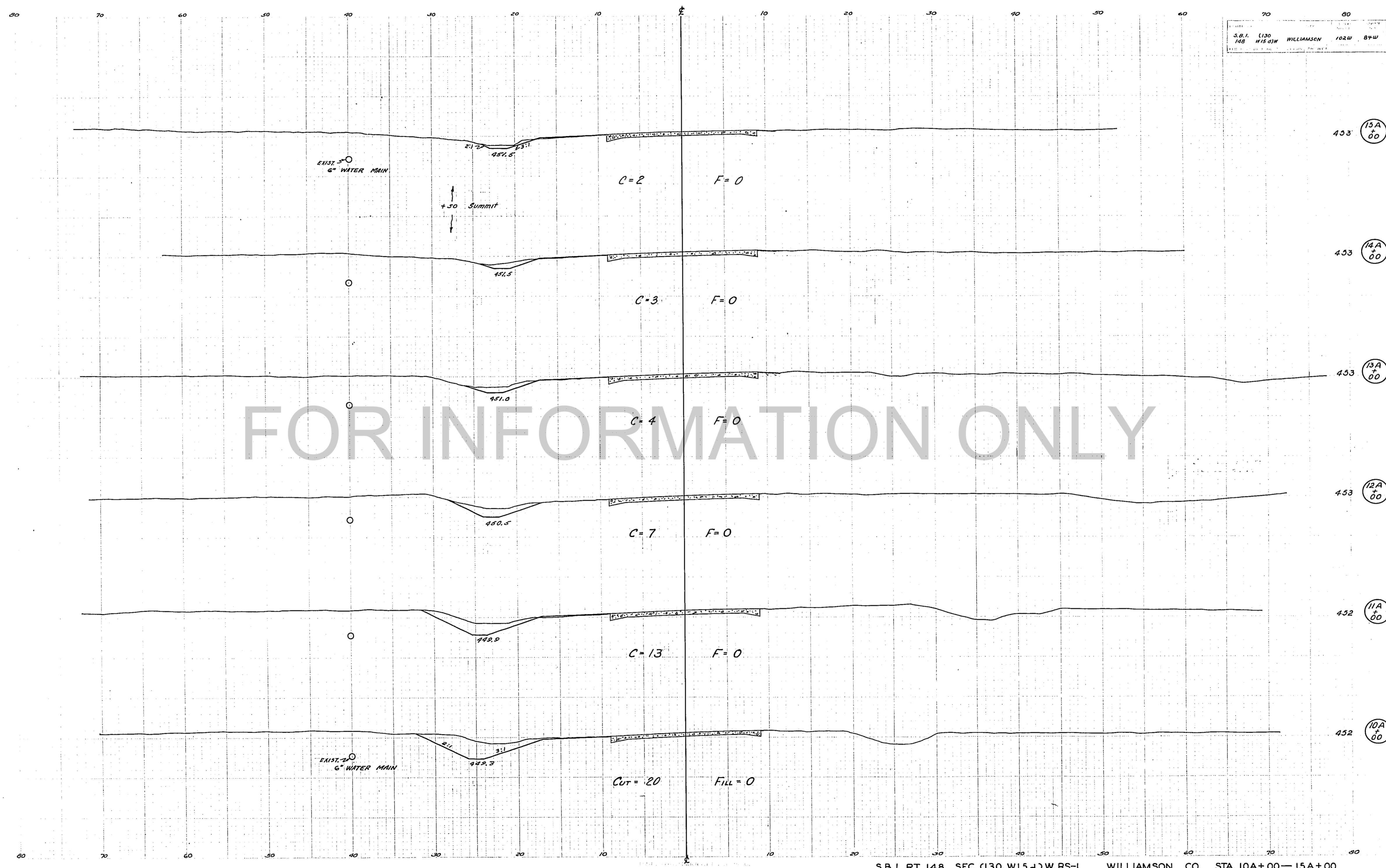


FOR INFORMATION ONLY

S.B.I. (130
148 W15)W WILLIAMSON 102 W 83 W

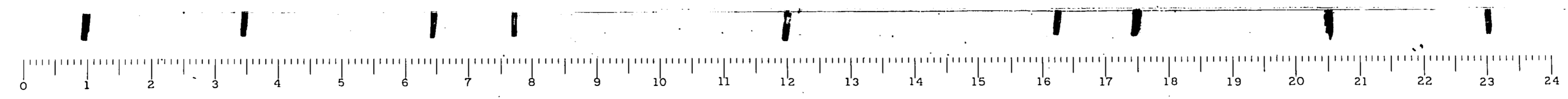
S.B.I. RT. 148 SEC. (130, W15) WRS-1 WILLIAMSON CO. STA. 4A+00-9A+00

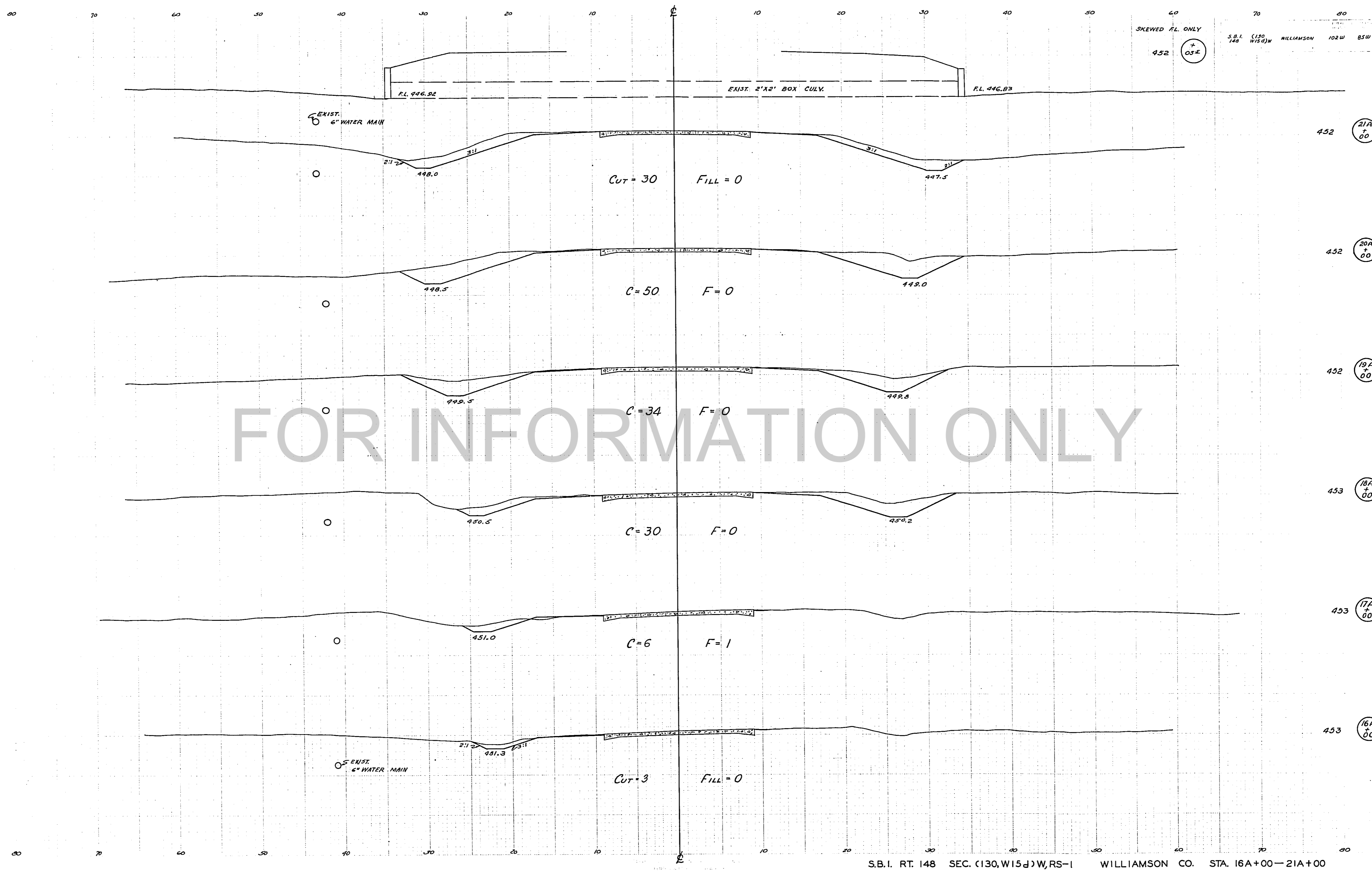




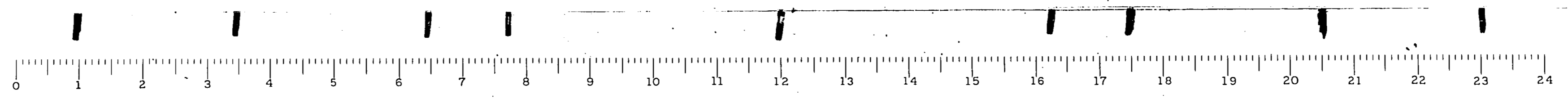
FOR INFORMATION ONLY

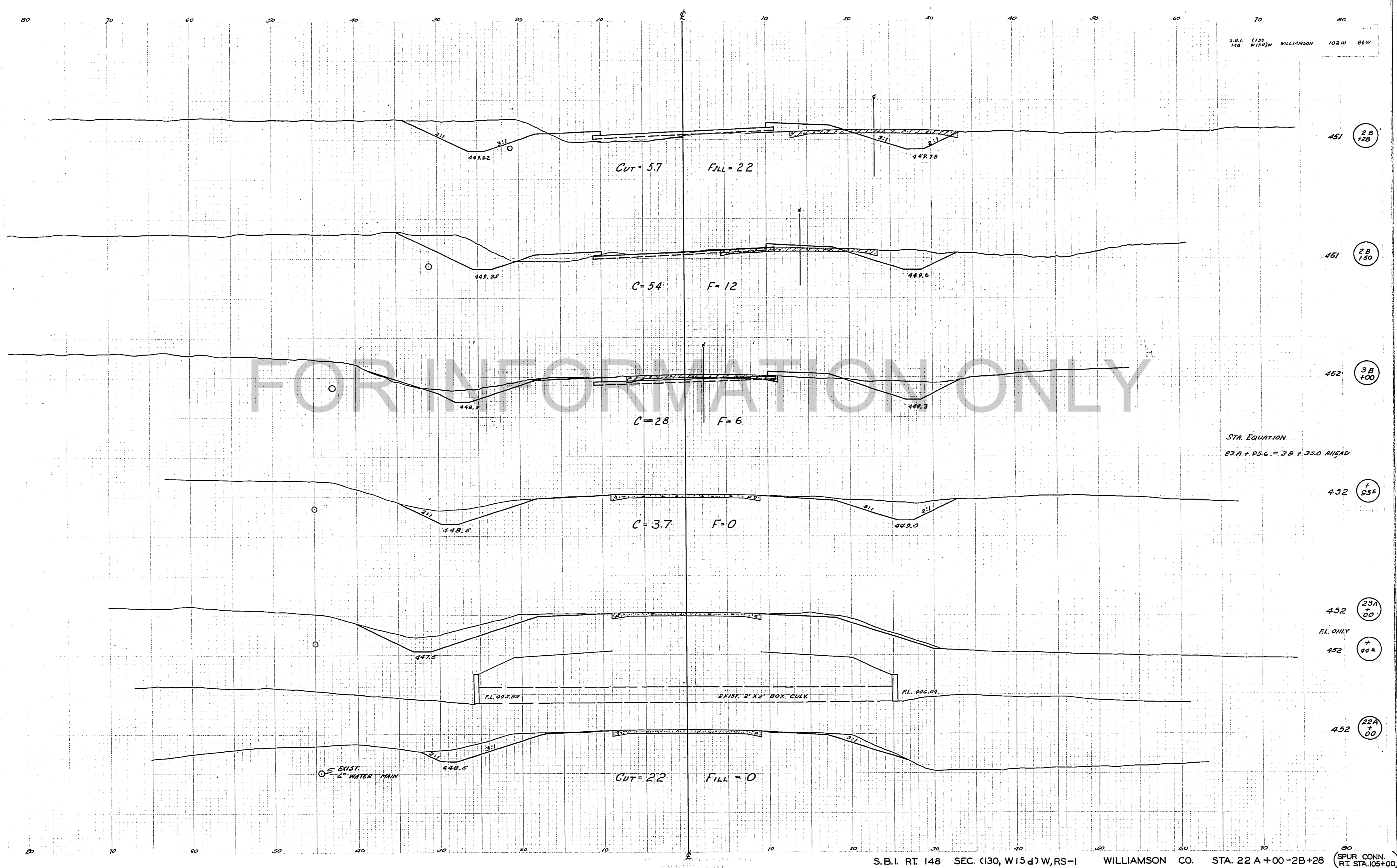
S.B.I. RT. 148 SEC. (130, W15 J) W, RS-1 WILLIAMSON CO. STA. 10A+00 - 15A+00





S.B.I. RT. 148 SEC. (130, W15) W, RS-1 WILLIAMSON CO. STA. 16A+00-21A+00

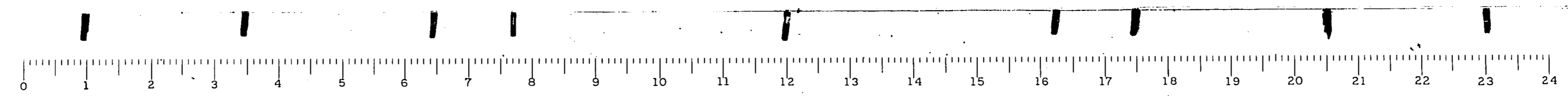




FOR INFORMATION ONLY

STA. EQUATION
 $23A + 95.6 = 3B + 35.0 \text{ AHEAD}$

S.B.I. RT. 148 SEC. (130, W15d) W, RS-1 WILLIAMSON CO. STA. 22 A + 00 - 2B + 28 (SPUR CONN. RT. STA. 105 + 00)

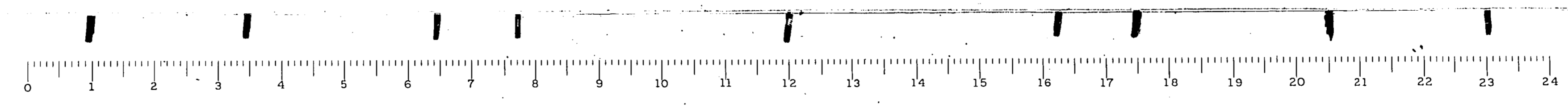


S.B.I. (100
148 W15d) WILLIAMSON 102W 87W

FOR INFORMATION ONLY



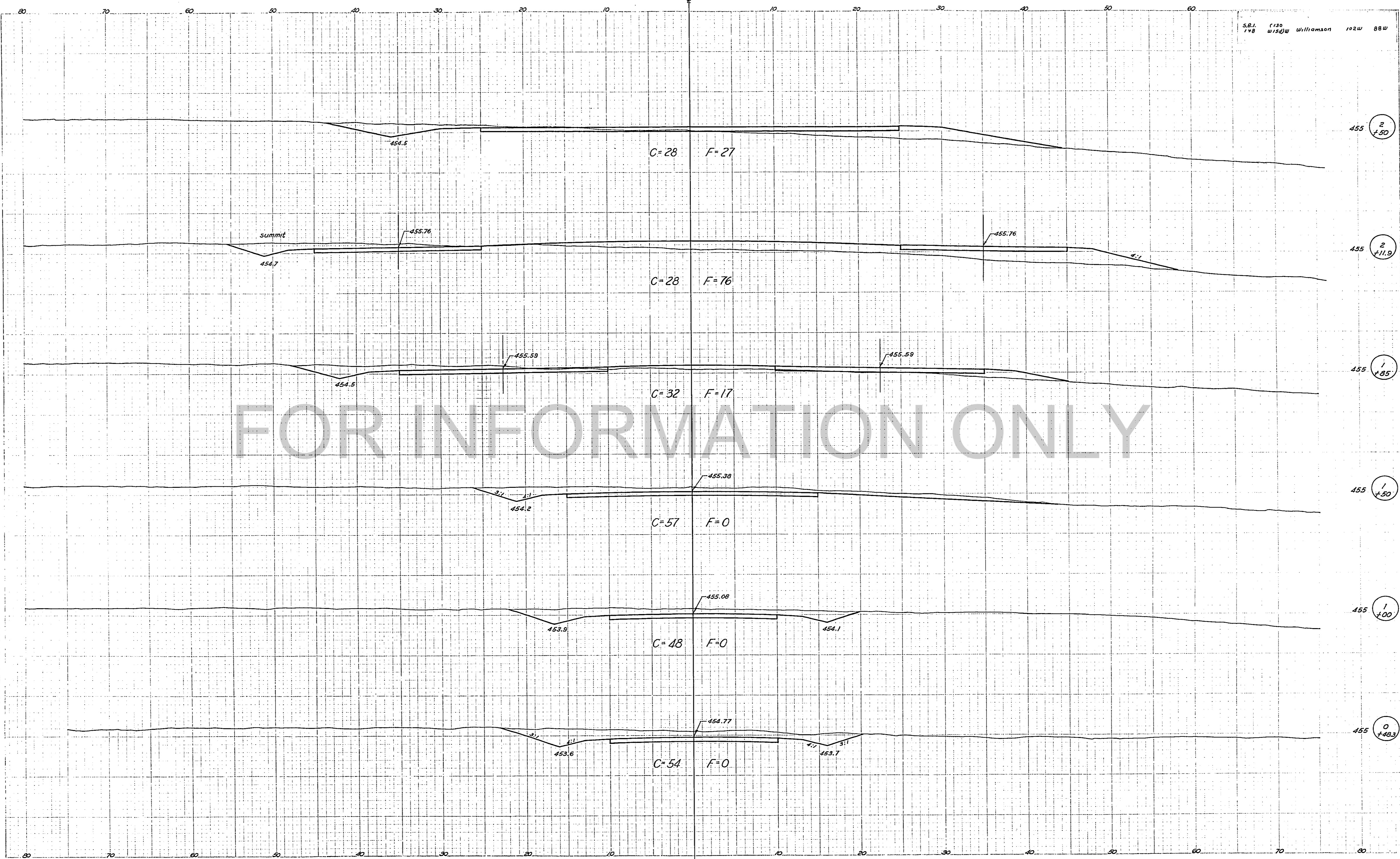
S.B.I. RT 148 SEC. (130,W15d)W, RS-1 WILLIAMSON CO. STA. 2B+00-1B+00 (SPUR CONN. RT. STA. 105+00)



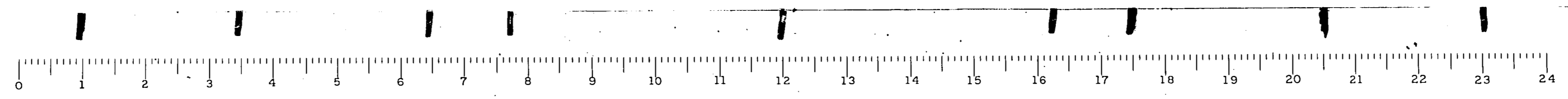
S.B.I. 1130 Williamson 102W 88W
118 WISD/W

FIELD BOOK
DATE
BY
PROJECT
SHEET NO.
TOTAL SHEETS

FIELD BOOK
DATE
BY
PROJECT
SHEET NO.
TOTAL SHEETS

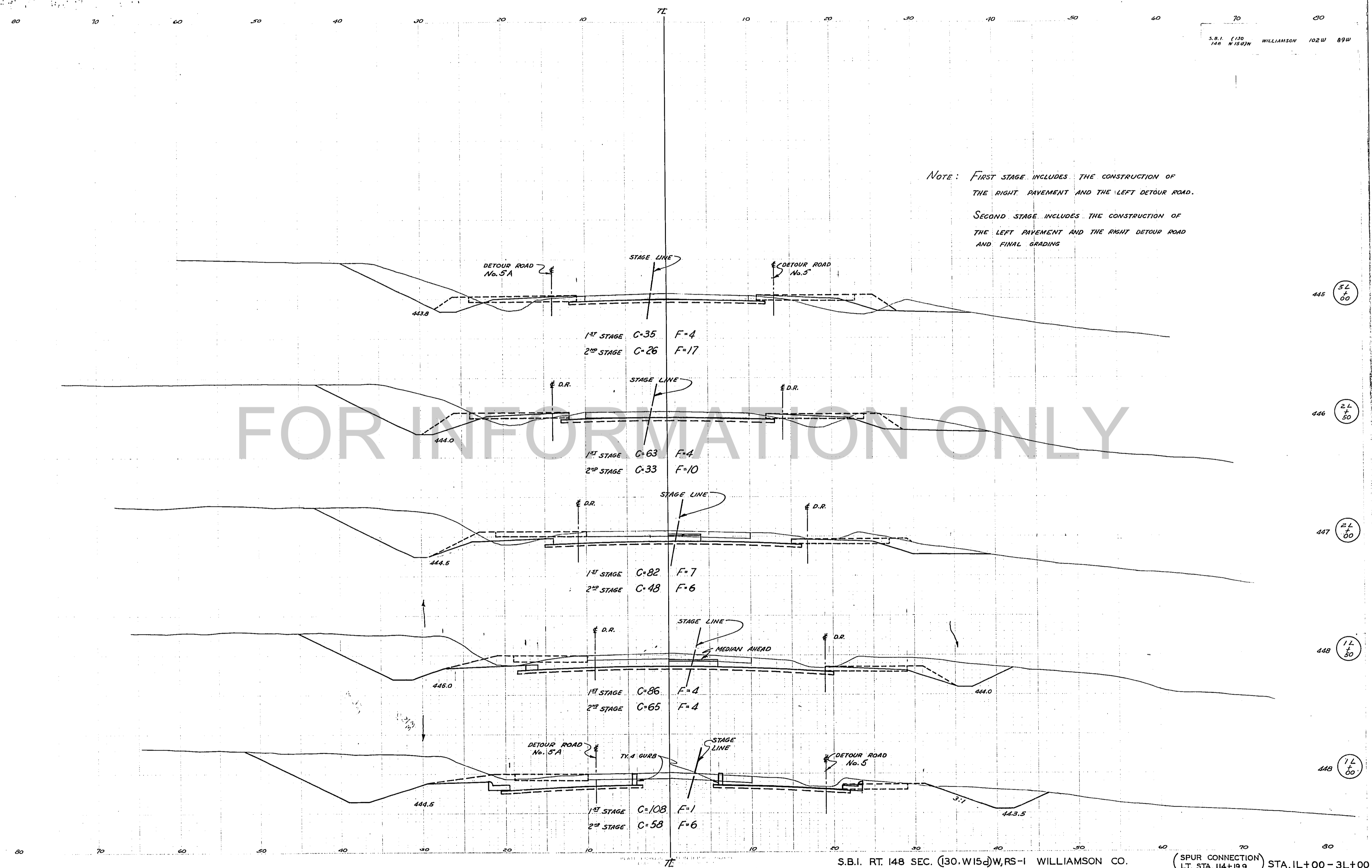


S.B.I. RTE. 148 SEC. (130.W15d) W. WILLIAMSON CO. (PICNIC AREA DRIVE) LT. STA 103+50

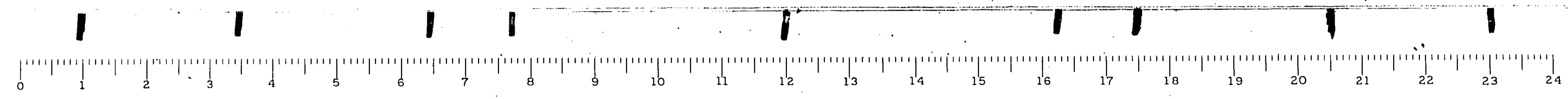


S.B.I. (130)
148 W150JW WILLIAMSON 102W 89W

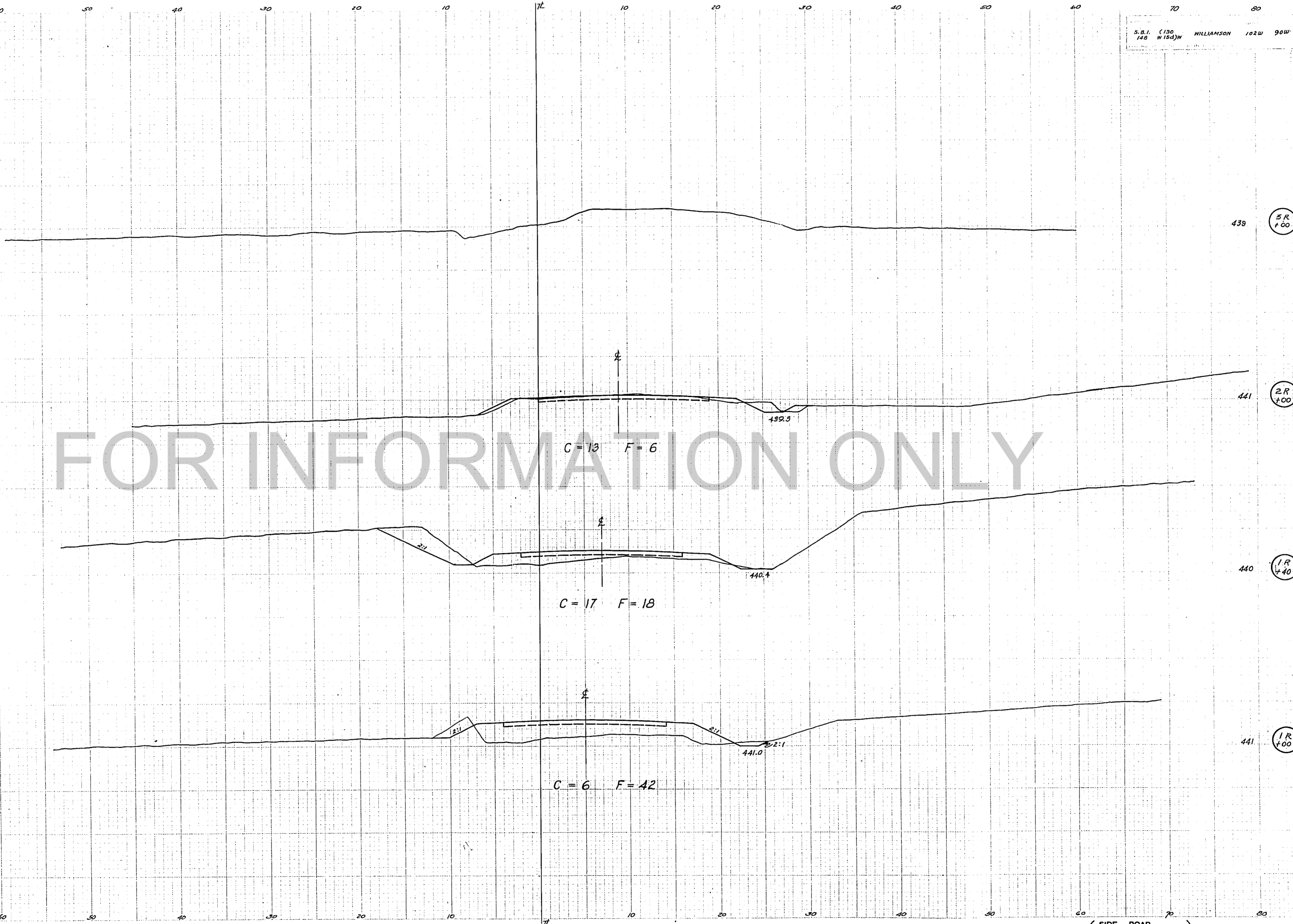
NOTE: FIRST STAGE INCLUDES THE CONSTRUCTION OF THE RIGHT PAVEMENT AND THE LEFT DETOUR ROAD.
SECOND STAGE INCLUDES THE CONSTRUCTION OF THE LEFT PAVEMENT AND THE RIGHT DETOUR ROAD AND FINAL GRADING



S.B.I. RT. 148 SEC. (130.W150J)W,RS-1 WILLIAMSON CO. (SPUR CONNECTION) STA. 1L+00-3L+00
LT. STA. 114+19.9



S.B.I. (130
715 W.150) WILLIAMSON 102W 90W



FOR INFORMATION ONLY

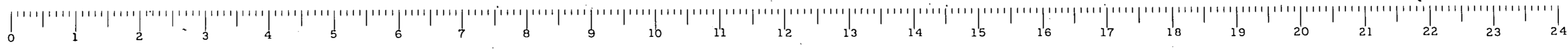
439 (S.R. 100)

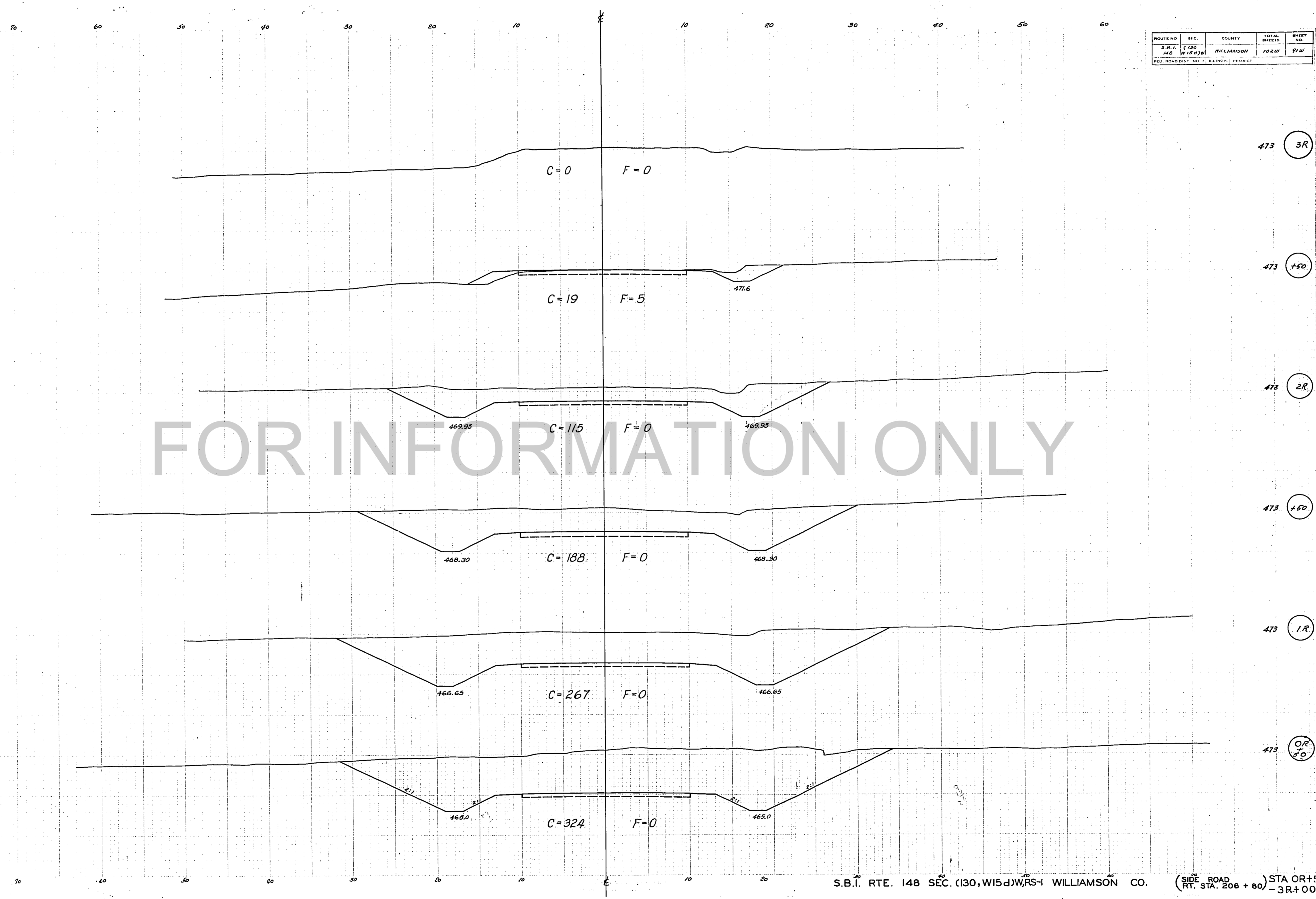
441 (S.R. 100)

440 (S.R. 100)

441 (S.R. 100)

S.B.I. RTE. 148 SEC. (130, W15 d) W, RS-1 WILLIAMSON CO. (SIDE ROAD RT. STA. 114+19.9) STA. 1R+00-3R+00

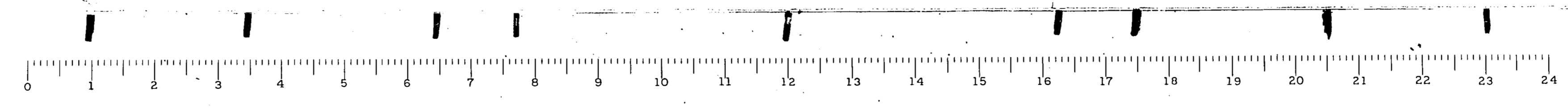




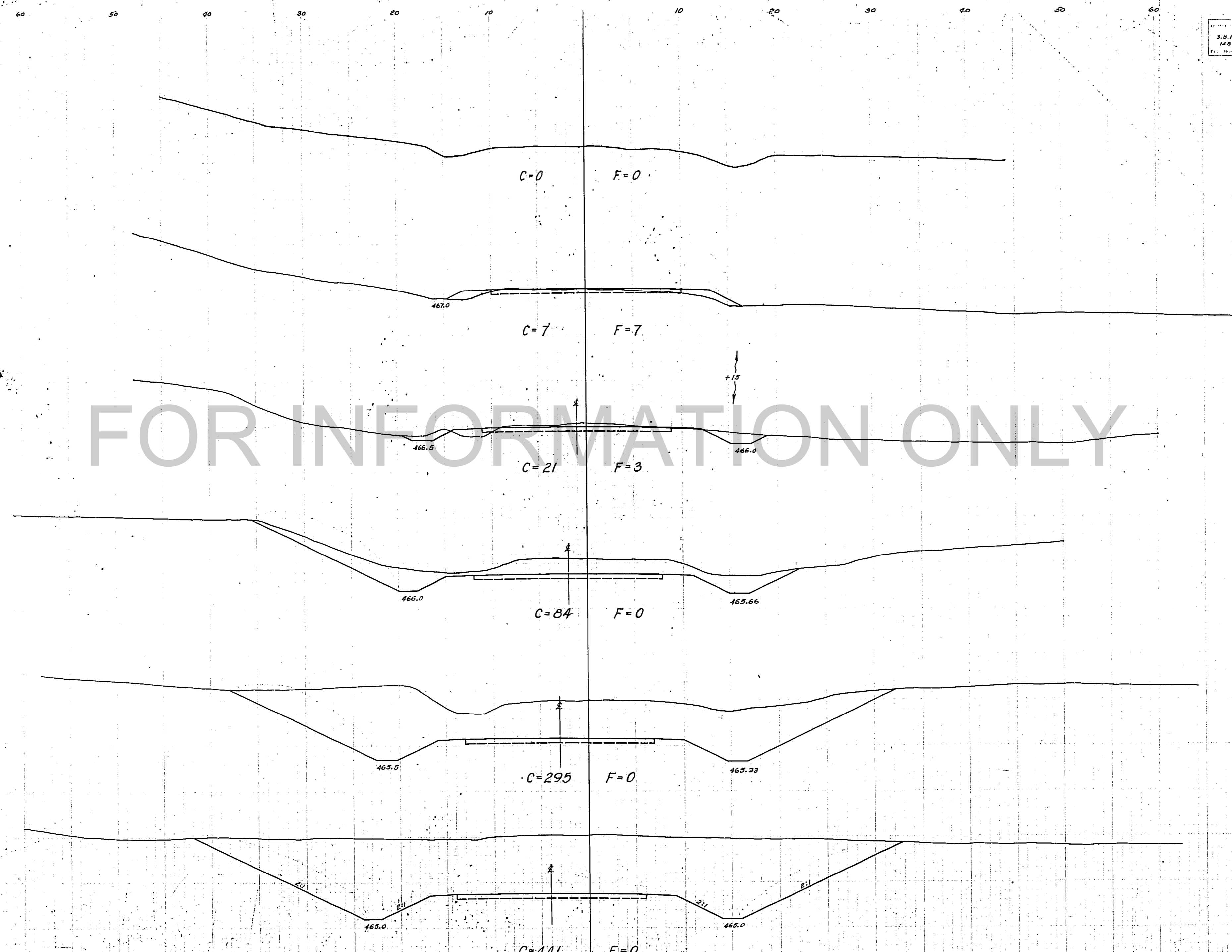
ROUTE NO.	S.F.C.	COUNTY	TOTAL SHEETS	SHEET NO.
102W	102W	WILLIAMSON	102W	91W

FOR INFORMATION ONLY

S.B.I. RTE. 148 SEC. (130, W15 d) WRS-1 WILLIAMSON CO. (SIDE ROAD RT. STA. 206 + 80) STA OR + 50 - 3R + 00



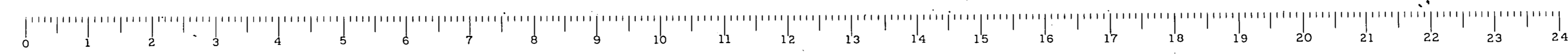
S.B.L. (130)	WILLIAMSON	102 W	92 W
148			



FOR INFORMATION ONLY

448 (3L)
 448 (+50)
 448 (2L)
 469 (+50)
 472 (1L)
 474 (0L)

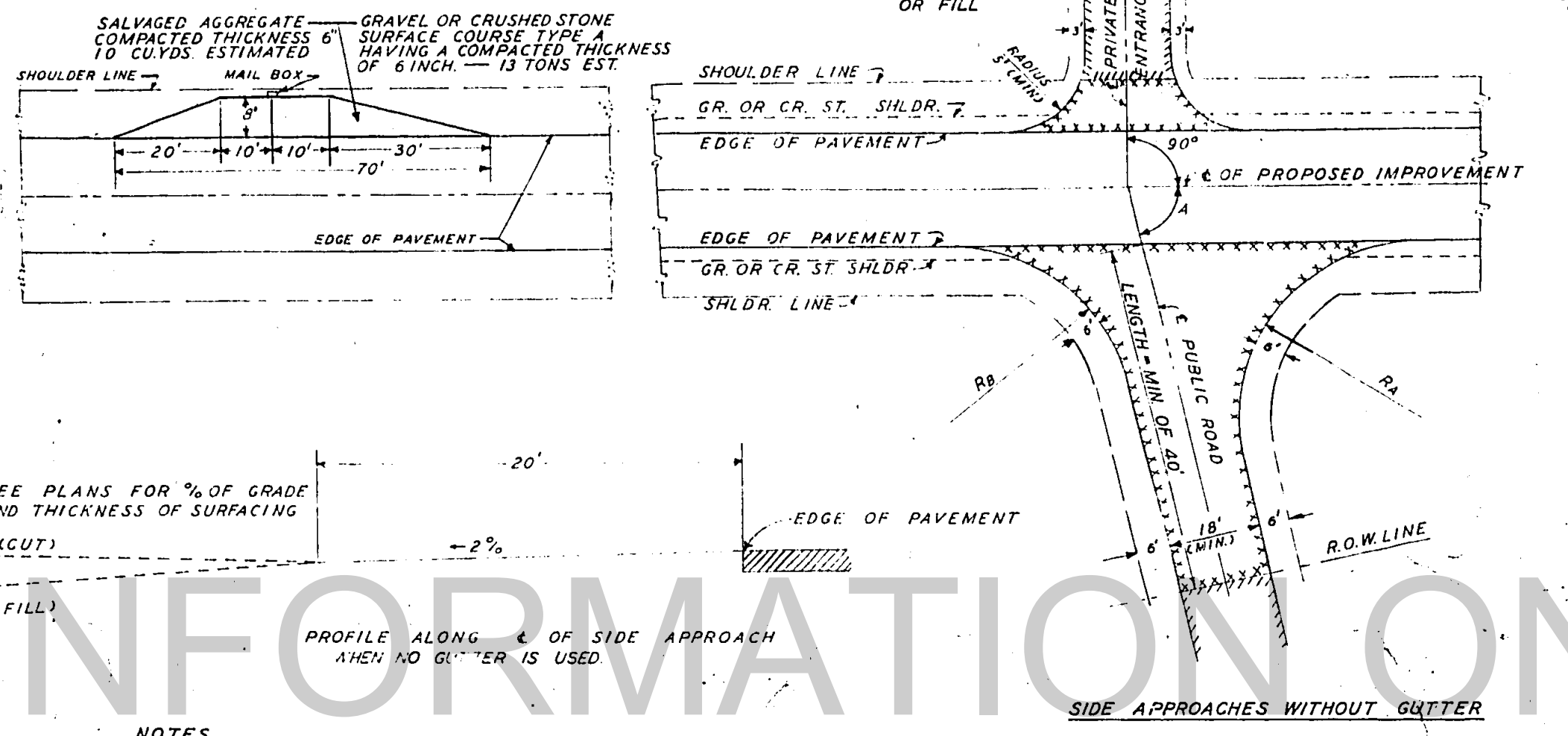
S.B.L. RTE. 148 SEC. (130, W15) WRS-1 WILLIAMSON CO. (SIDE ROAD) STA. 0L+50
 LT. STA. 206+80 - 3L+00



TYPICAL LAYOUT OF SIDE APPROACHES AND MAIL BOX TURNOUTS (ADJACENT TO CONCRETE PAVEMENT OR BITUMINOUS RESURFACING SECTIONS)

REVISION NO.	DATE	BY	DESCRIPTION
5	11/15/57	W	WILLIAMSON 102W 102W

ANGLE	RADIUS	
	R _A	R _B
60° - 65°	33'	50'
65° - 75°	35'	50'
75° - 105°	35'	35'
105° - 120°	45'	35'



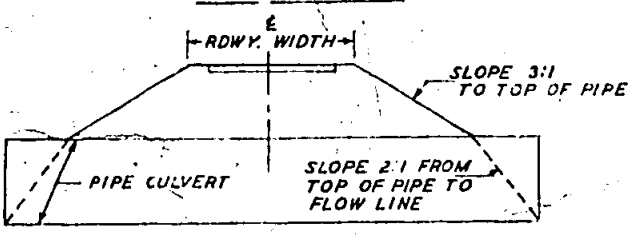
SEE PLANS FOR % OF GRADE AND THICKNESS OF SURFACING
(CUT) -2%
(FILL) -2%

PROFILE ALONG ϵ OF SIDE APPROACH WHEN NO GUTTER IS USED

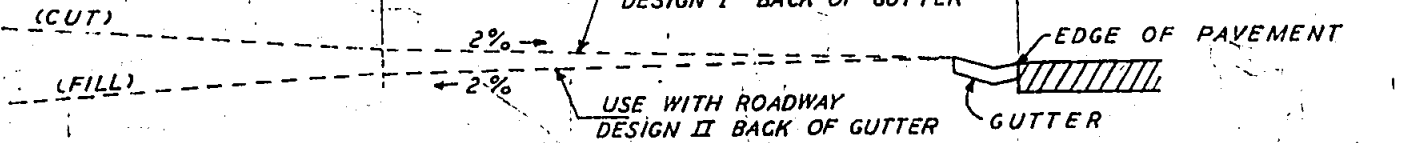
SIDE APPROACHES WITHOUT GUTTER

NOTES
PRIVATE ENTRANCES
SEE PLANS FOR TYPE, WIDTH, & LENGTH OF SURFACING AND RADIUS OF TURNOUT, WHERE SURFACING IS OMITTED ON PRIVATE ENTRANCES THE ROADBED SHALL HAVE A MINIMUM WIDTH OF 22'.
SIDE ROAD
SEE PLANS FOR TYPE, WIDTH, & LENGTH OF SURFACING.
SIDE ROAD AND PRIVATE ENTRANCE APPROACHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS DRAWING UNLESS OTHERWISE SHOWN ON THE PLANS. SIDE SLOPES SHALL BE THE SAME AS ON THE ADJACENT ROADWAY EMBANKMENT, EXCEPT NOT FLATTER THAN 3:1

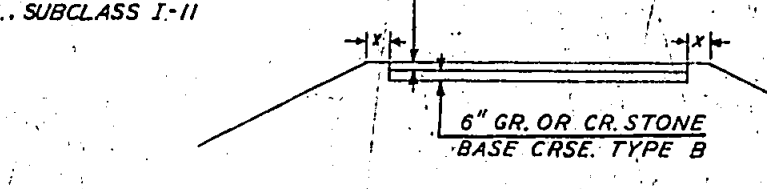
METHOD OF CALCULATING SIDE APPROACH PIPE LENGTHS



SEE PLANS FOR % OF GRADE AND THICKNESS OF SURFACING.

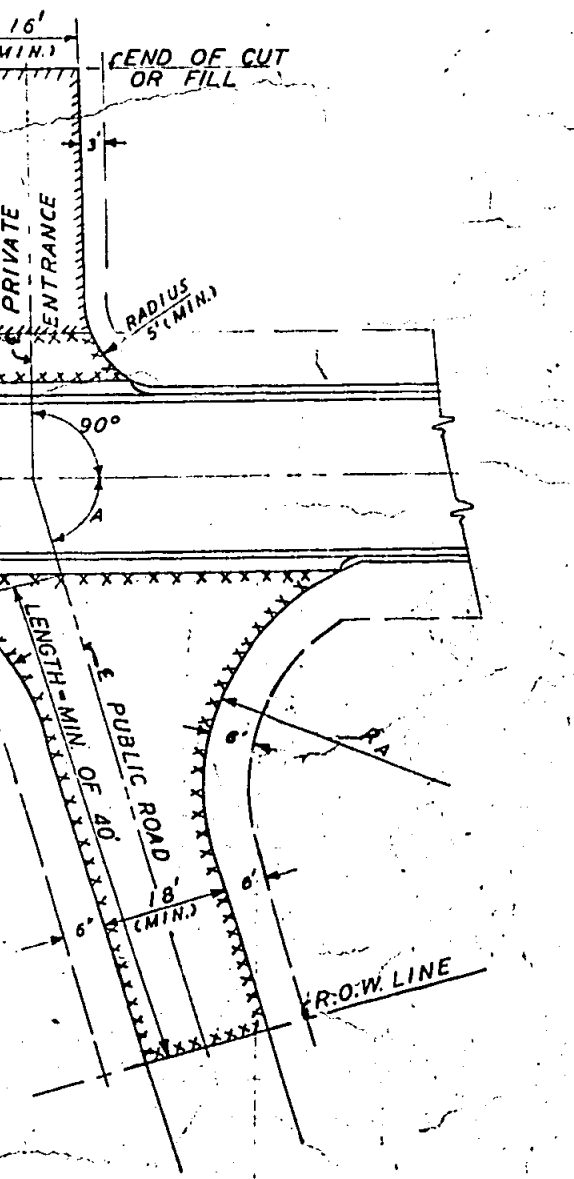


PROFILE ALONG ϵ OF SIDE APPROACH WHEN GUTTER IS USED.



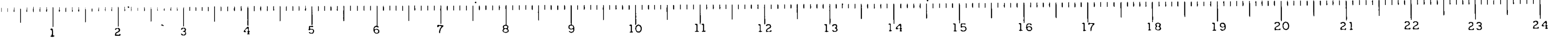
TYPICAL X-SECTION OF SIDE APPROACHES
THE ROADWAY SURFACE SHALL BE CROWNED AS DIRECTED BY THE ENGINEER.

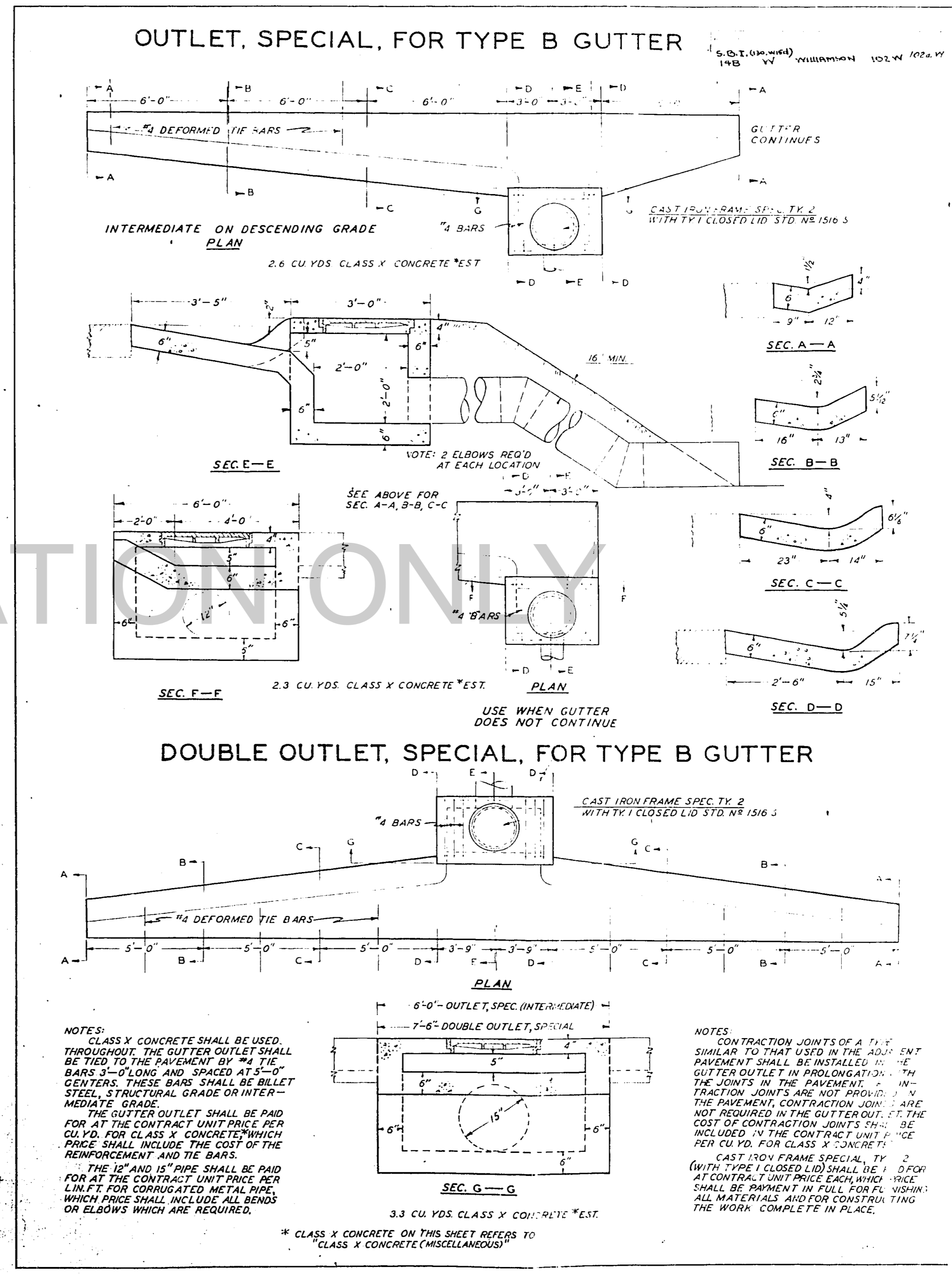
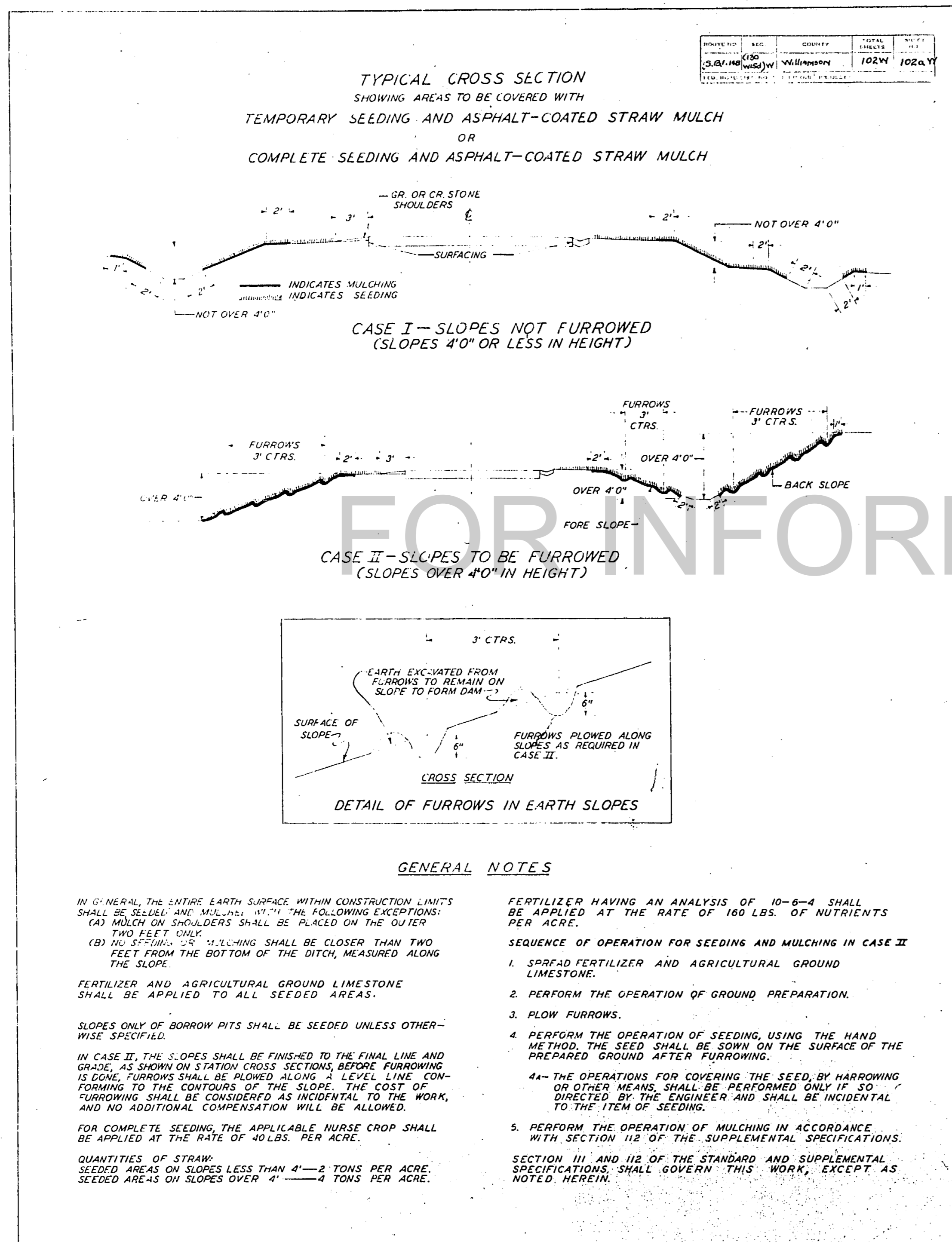
X = 3' FOR PRIVATE ENTRANCES
X = 6' FOR SIDE ROADS



SIDE APPROACHES WITH GUTTER

INDICATES INCIDENTAL BITUMINOUS SURFACING OR BIT. CONC. SURF. CRSE., SUB-CLASS 1-11 ON 6" GR. OR CR. STONE BASE CRSE., TYPE B.
INDICATES GRAVEL OR CRUSHED STONE SURFACE CRSE., TYPE A.





FOR INFORMATION ONLY

