

CONTRACT NO. **B-23063**

INDIANA
DEPARTMENT OF
TRANSPORTATION

BRIDGES OVER 20' SPAN				
FEDERAL REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	BRF-95-3(9)	1994	105

INDEX					
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION
BRF-95-3 (9)	37-13-7146	CONTINUOUS PRESTRESSED CONCRETE I BEAM BRIDGE	3 SPANS: 46'-4", 47'-1", 46'-4" SKEW 46° LT.	DOG CREEK	STRUCTURE 2137+92.27 LINE "A"
SHEET NO.	SHEET DESIGNATION	SUBJECT			F. H. W. A. APPROVAL
1	ONE SHEET	INDEX AND TITLE SHEET			
2	ONE SHEET	TYPICAL CROSS SECTIONS			
3-9	SEVEN SHEETS	ROAD PLAN AND PROFILE			
10	ONE SHEET	MAINTENANCE OF TRAFFIC			
11-12	TWO SHEETS	SOIL BORINGS			
13-18	SIX SHEETS	SUPERELEVATION DIAGRAMS			
19	ONE SHEET	EROSION CONTROL			
20	ONE SHEET	STRIPING AND SIGNING PLAN			
21	ONE SHEET	PIPE DETAILS			
22	ONE SHEET	PIPE EXTENSION DETAILS & MISCELLANEOUS TABLES			
23	C1	LAYOUT			
24	C2	GENERAL PLAN			
25	C3	BENT NO. 1 DETAILS			
26	C4	BENT NO. 1 DETAILS			
27	C5	PIER NO. 2 & NO. 3 DETAILS			
28	C6	BENT NO. 4 DETAILS			
29	C7	BENT NO. 4 DETAILS			
30	C8	BEAM DETAILS			
31	C9	SUPERSTRUCTURE DETAILS-FRAMING PLAN			
32	C10	SUPERSTRUCTURE DETAILS-DECK SLAB REINFORCING			
33	C11	SUPERSTRUCTURE DETAILS-DIAPHRAGM			
34	C12	SUPERSTRUCTURE DETAILS-RAILING REINF. & BILL OF MATERIALS			
35	C13	CORNER & EXPANSION JOINT DETAILS			
36	C14	SCREEDS AND POUR SEQUENCE			
37	ONE SHEET	BRIDGE SUMMARY			
38-64	TWENTY SEVEN SHEETS	CROSS SECTIONS			
27A	C9	PIER NO. 2 DETAILS			
27B	C9A	PIER NO. 3 DETAILS			

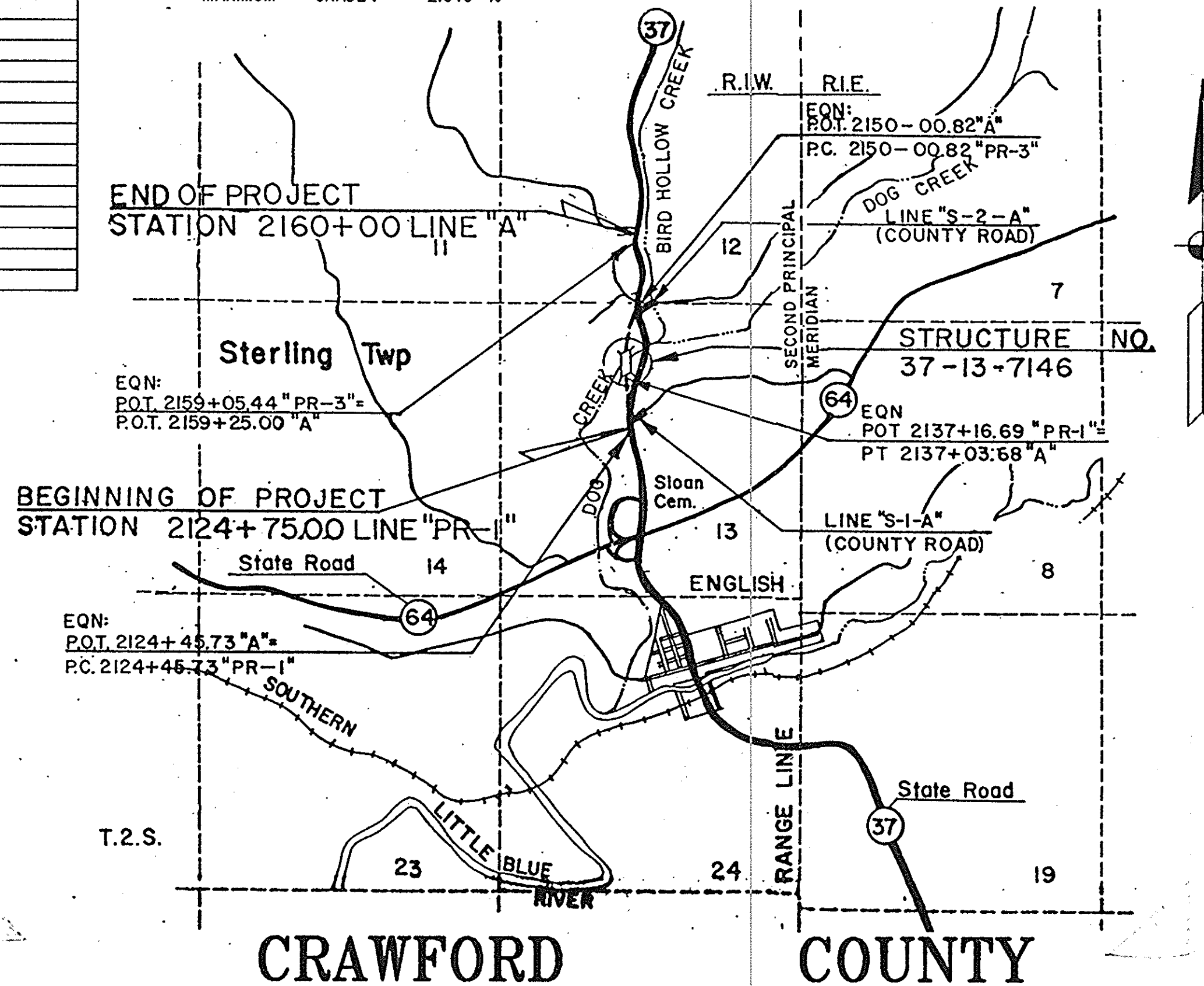
BRIDGE PLANS
FOR SPANS OVER 20 FEET

ON
U.S. ROUTE No. 37

PROJECT NO. **F-095-3 (9) P.E.**
ST-095-3 () R/W
BRF-095-3 (9) CONST.

FROM: RP 38+84 TO: RP 39+51
Beginning at a point on the centerline of S.R.#37 (Sta. 2124+75 Line "A"), said point being South, a distance of 2399.60 ft. from an intersection point of Line "A" with a Quarter Section Line, said intersection point being Westerly a distance of 128.79 ft. from the Quarter-Quarter Section Corner (no stone found), thence Northerly a distance of 3525.00 ft. along a line to the Terminus, all in Sections 12 and 13, T-2-S, R-1-W, Sterling Township, Crawford County, Indiana.

BRIDGE LENGTH: 0.026 MI.
ROADWAY LENGTH: 0.640 MI.
TOTAL LENGTH: 0.666 MI.
MAXIMUM GRADE: 2.040 %



SCALE: 1" = 2000'

PREPARED BY:

JANSSEN & SPAANS
ENGINEERING, INC.
CONSULTING ENGINEERS

2825 E. 56 TH STREET
INDIANAPOLIS, IN 46220

CERTIFIED BY

(317) 254 9686

INDEX CONTINUED STANDARD DRAWINGS				
SHEET NO.	SHEET DESIGNATION	SUBJECT/PURPOSE/USE	F. H. W. A. APPROVAL	ADOPTED "A" REVISION "R"
65	BRIDGE STD. BR5	RAILING CONNECTION DETAILS		
	BRIDGE STD. C1	MISCELLANEOUS DETAILS/REINF. BAR NOTES, PILES	1-26-93	"A" DEC. 1992
	BRIDGE STD. C2	MISCELLANEOUS DETAILS		
66	BRIDGE STD. C3	MISCELLANEOUS DETAILS/TYPE BS EXP. JT., CONSTR. JT. TYPE "A"	1-26-93	"R" 1-3-95
	BRIDGE STD. C4	MISCELLANEOUS DETAILS		
	BRIDGE STD. C5	MISCELLANEOUS DETAILS		
	BRIDGE STD. D	PRECAST DECK PANEL DETAILS		
67	BRIDGE STD. D1	CASTING DETAILS, ROADWAY DRAINS/TYPE "OS" DRAINS	1-11-89	"R" 9-1-88
	BRIDGE STD. D1	ADJUSTING FRAME DETAILS FOR ROADWAY DRAINS		
	BRIDGE STD. PB2	PRESTRESSED CONCRETE, TYPE II I-BEAMS	4-16-82	"A" JAN. 1982
	BRIDGE STD. PB	PRESTRESSED CONCRETE, TYPE I-BEAMS		
	BRIDGE STD. PB6	PRESTRESSED BOX BEAMS		
	BRIDGE STD. PB	PRESTRESSED COMPOSITE BOX BEAMS, WIDE		
	BRIDGE STD. PB	PRESTRESSED COMPOSITE BOX BEAMS, WIDE		
69	BRIDGE STD. PB10	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS	8-14-83	"A" NOV. 1982
70	BRIDGE STD. PB11	ELASTOMERIC BEARING PAD DETAILS. CONCRETE BEAMS/TYPE 2 BRG. PADS	2-3-87	"R" 2-02-87
	BRIDGE STD. R2A	BRIDGE LIGHTING DETAILS		
	BRIDGE STD. R2B	BRIDGE LIGHTING DETAILS		
71	BRIDGE STD. S1	MISCELLANEOUS DETAILS/"B" BORROW FOR STRUCTURAL BACKFILL	1-22-87	"R" 12-01-86
	BRIDGE STD. SH1	STEEL SHOE DETAILS		
	BRIDGE STD. T SHEET A	STANDARD TEMPORARY BRIDGE		
	BRIDGE STD. T SHEET B	STANDARD TEMPORARY BRIDGE		
72	BRIDGE RAILING SHT. BR-1	CONCRETE BRIDGE RAILING TRANSITION TYPE TGB	3-9-93	"A" AUG. 1992
73	BRIDGE RAILING STD. BR-1A	CONCRETE BRIDGE RAILING TRANSITION TYPE TGB	3-9-93	"A" AUG. 1992
	BRIDGE STD. RCBA-1	REINFORCED CONCRETE BRIDGE APPROACH	1-31-96	"R" 10-2-95
74	ROAD STD. JOINTS SHT. RCBA-1	REINFORCED CONCRETE BRIDGE APPROACH	1-31-96	"R" 1-2-96
75	ROAD STD. JOINTS SHT. RCBA-2	REINFORCED CONCRETE BRIDGE APPROACH	1-31-96	"R" 1-2-96
76	ROAD STD. SHEET MA	MISCELLANEOUS STANDARDS/R/W MARKERS, MONUMENTS	PENDING	"R" 3-1-90
77	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS/PAVED SIDE DITCH AND SODDED DITCH	1-26-88	"R" 11-2-1987
	ROAD STD. SHEET MB2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME1	SINGLE PIPE CONCRETE ANCHORS	4-7-87	"A" MAR. 1987
78	ROAD STD. SHEET ME2	MISCELLANEOUS STANDARDS/END SECTIONS	6-27-85	"R" 9-4-84
79	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
80	ROAD STD. SHEET MH1	MISCELLANEOUS STANDARDS/CUT AND IV DRIVES	6-20-91	"A" APR. 1991
	ROAD STD. SHEET MH2	MISCELLANEOUS STANDARDS		
81	ROAD STD. SHEET MH3	MISCELLANEOUS STANDARDS/MAIL BOXES AND APPROACH	6-20-91	"R" 4-1-91
82	ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS/PUBLIC ROAD APPROACH TYPE "A"	PENDING	"A" 2-1-95
83	ROAD STD. SHEET MN	MISCELLANEOUS STANDARDS/BACKFILL FOR STRUCTURES	9-24-85	"R" 6-3-85
84	ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS/PIPES	3-20-95	"R" 3-1-95
85	ROAD STD. SHEET MU	STANDARD STRUCTURE CONNECTIONS FOR EXTENSION/PIPE COLLAR FOR PIPE EXTENSION	6-27-85	"R" 9-4-84
86	ROAD STD. SHEET G-1	GUARDRAIL/W-BEAM GUARDRAIL COMPONENTS	2-5-96	"R" 1-2-96
87	ROAD STD. SHEET G-2	GUARDRAIL/W-BEAM GUARDRAIL COMPONENTS	7-20-92	"A" DEC. 1991
88	ROAD STD. SHEET G-3	GUARDRAIL/W-BEAM GUARDRAIL ASSEMBLIES	2-5-96	"R" 1-2-96
89	ROAD STD. SHEET E-1	GUARDRAIL/END TREATMENT TYPE 1	1-31-96	"R" 11-1-95
90	ROAD STD. SHEET T-1	GUARDRAIL/GUARDRAIL TRANSITION TYPE TGB	3-9-93	"A" AUG. 1992
	ROAD STD. SHEET GR6	STEEL TUBE GUARD RAIL DETAILS		
	ROAD STD. SHEET GR7	GUARD RAIL PIER CONNECTION DETAILS		
	ROAD STD. SHEET GR8	STEEL BEAM GUARD RAIL		
	ROAD STD. SHEET GR9	ALUMINUM BEAM GUARD RAIL		
	ROAD STD. SHEET GR10	GUARD RAIL BURIED ENDS		
	ROAD STD. SHEET GR10A	GUARD RAIL BREAKAWAY CABLE TERMINAL		
	ROAD STD. SHEET GR10B	W-BEAM GUARD RAIL TERMINAL SECTION		
	ROAD STD. SHEET CB1	CONCRETE MEDIAN BARRIER		
	ROAD STD. SHEET CB2	TEMPORARY CONCRETE BARRIER		
	ROAD STD. SHEET 1A DETOURS	STANDARD DETOUR SIGNS		
	ROAD STD. SHEET 1B DETOURS	STANDARD DETOUR SIGNS		
90A	ROAD STD. SHEET 2A DETOURS	PLACEMENT OF CHANNELIZATION DEVICES	1-31-96	"A" OCT. 1995
91	ROAD STD. SHEET 2 DETOURS	MARKING DETOURS, LANE CLOSURES ON TWO LANE ROADS	6-20-91	"R" 4-1-91
92	ROAD STD. SHEET 2A DETOURS	BARRICADE, DRUM, CONE, TUBULAR MARKER & TYPICAL SIGN STANDARD DETAILS	1-31-96	"R" 10-2-95
93	ROAD STD. SHEET 3 DETOURS	SIGN DESIGN DETAILS	PENDING	"R" 9-1-88
94	ROAD STD. SHEET 3A DETOURS	SIGN DESIGN DETAILS (WITH TABLES)	2-5-96	"R" 1-2-96
95	ROAD STD. SHEET 4 DETOURS	SIGN DESIGN DETAILS	1-11-89	"R" 9-1-88
96	ROAD STD. SHEET 5 DETOURS	SIGN DESIGN DETAIL TABLES	PENDING	"R" 9-1-88
97	TRAFFIC STD. SHEET MT3	MISCELLANEOUS TRAFFIC STANDARDS	8-5-88	"R" 8-1-88
97A	TRAFFIC STD. SHEET MT 4A	MISCELLANEOUS TRAFFIC STANDARDS	11-14-96	"R" 5-1-97
98	TRAFFIC STD. SHEET MT8	MISCELLANEOUS TRAFFIC STANDARDS	1-6-88	"A" NOV. 1987
99	TRAFFIC STD. SHEET MT9	MISCELLANEOUS TRAFFIC STANDARDS	1-6-88	"A" NOV. 1987
100	ROAD STD. TEC-1	TEMPORARY EROSION CONTROL	PENDING	"R" 9-1-95
101	ROAD STD. TEC-2	TEMPORARY EROSION CONTROL	PENDING	"R" 9-1-95
102	ROAD STD. TEC-3	TEMPORARY EROSION CONTROL	PENDING	"R" 9-1-95
103	ROAD STD. TEC-8	TEMPORARY EROSION CONTROL	PENDING	"A" SEP. 1993
104	ROAD STD. TEC-9	TEMPORARY EROSION CONTROL	PENDING	"R" 9-1-95
105	ROAD STD. TEC-11	TEMPORARY EROSION CONTROL	PENDING	"R" 9-1-95

TRAFFIC DATA		
A. D. T. (1992)	1,100	V.P.D.
A. D. T. (2012 PROJECTED)	1,300	V.P.D.
D. H. V. (2012 PROJECTED)	130	V.P.H.
TRUCKS	D.H.V. 4 %	A.D.T. 7 %
DESIGN SPEED		* 55 M.P.H.
ACCESS CONTROL	NONE	
FUNCTIONAL CLASSIFICATION	RURAL MINOR ARTERIAL	

* RRR STD.

REVISIONS	
DATE	SHEET NO.
7-14-97	1 & 20
6-9-97	415 Added Temp. R/W for Stockpiled Material
7-14-97	DELETED SHEET NO. 27, ADDED SHEET NOS. 27A & 27B, SHEET NO. 97- PIER QTY'S

INDIANA DEPARTMENT OF HIGHWAYS
STANDARD SPECIFICATIONS DATED 1993
TO BE USED WITH THESE PLANS.

DES. NO. 8346280

APPROVED FOR LETTING

Philip W. Wilka
CHIEF, DIVISION OF DESIGN, INDIANA DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED: _____
DIVISION ADMINISTRATOR DATE _____

BRIDGE FILE: - 37-13-7146

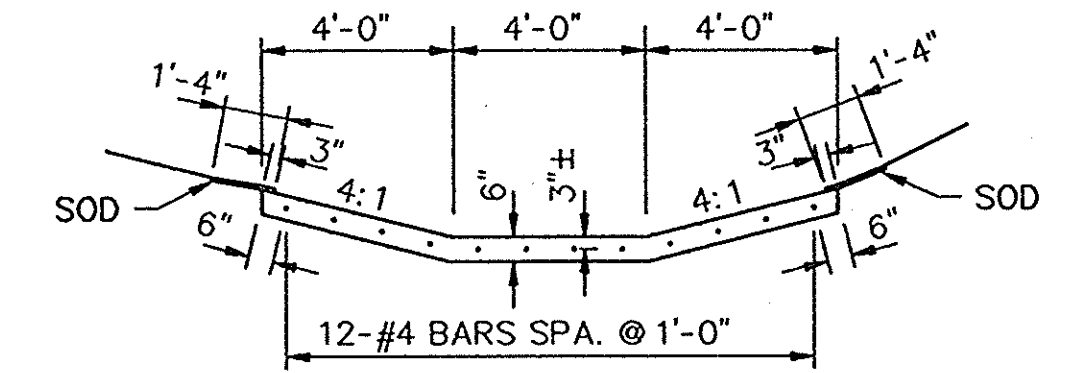
LEGEND

MAINLINE: (LINE "A", "PR-1" & "PR-3")

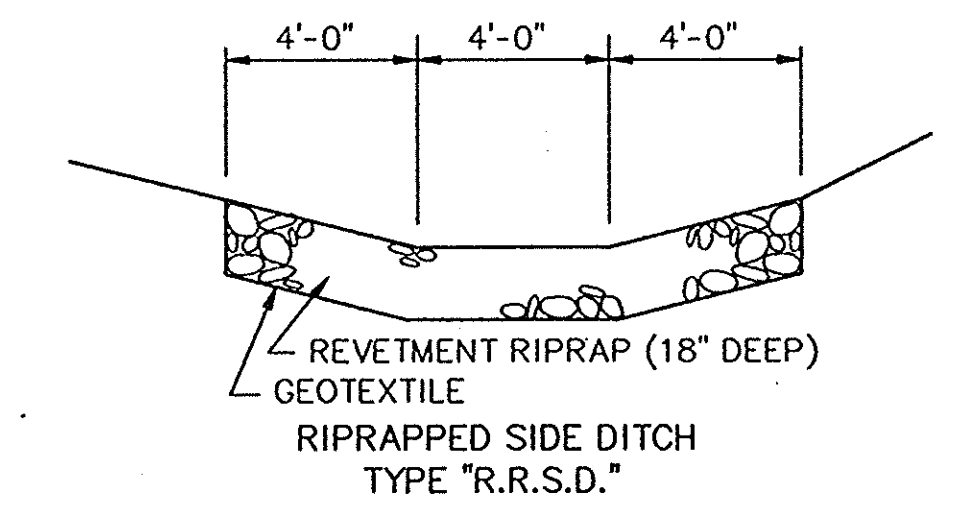
- ① 110#/SYD BITUMINOUS SURFACE 11, LV
- ② 220#/SYD BITUMINOUS BINDER 8 OR 9, LV
- ③ 300#/SYD BITUMINOUS COATED AGGREGATE BASE, 5
- ④ 6" COMPACTED AGGREGATE FOR BASE, 0, SIZE # 53
- ⑤ 24" SPECIAL SUBGRADE TREATMENT
- ⑥ 18" EXCAVATION FOR SUBGRADE TREATMENT
- ⑦ 6" PORTION COMPACTED IN PLACE
- ⑧ 330# BITUMINOUS BASE, 5D, LV
- ⑨ 6" COMPACTED AGGREGATE FOR SHOULDER, 0, SIZE #53
- ⑩ 330 #/SYD BITUMINOUS COATED AGGREGATE BASE, #5
- ⑪ AGGREGATE FOR UNDERDRAINS, 8
- ⑫ PIPE, GROUP K, 6"

COUNTY ROADS: (LINE "S-1-A", "S-2-A", "PR-2" & "PR-4")

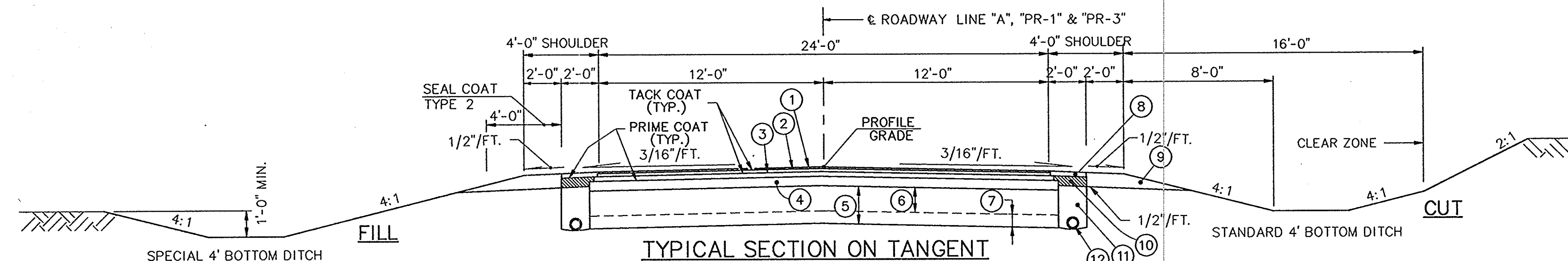
- ⑰ 110#/SYD BITUMINOUS SURFACE 11, LV
- ⑱ 330#/SYD BITUMINOUS BINDER 8 OR 9, LV
- ⑲ 8" COMPACTED AGGREGATE FOR BASE, 0, SIZE #53
- ⑳ SUBGRADE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF THE INDOT STANDARD SPECIFICATION



SPECIAL PAVED SIDE DITCH TYPE "H" MODIFIED

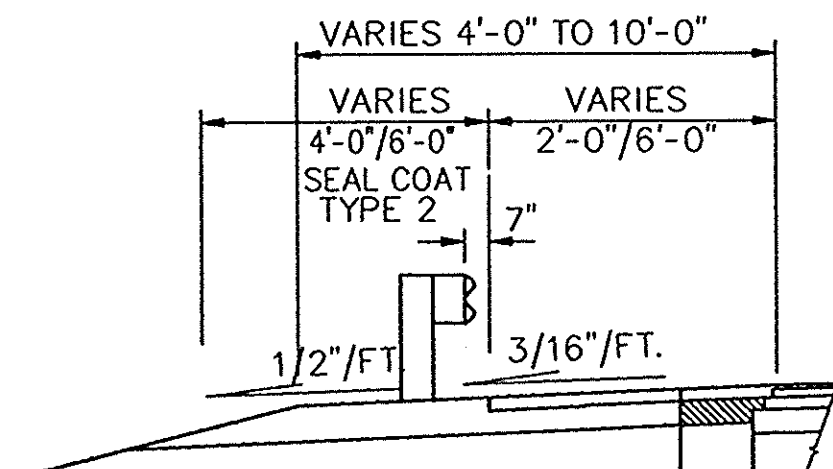


REVTMENT RIPRAP (18" DEEP) GEOTEXTILE RIPRAPED SIDE DITCH TYPE "R.R.S.D."

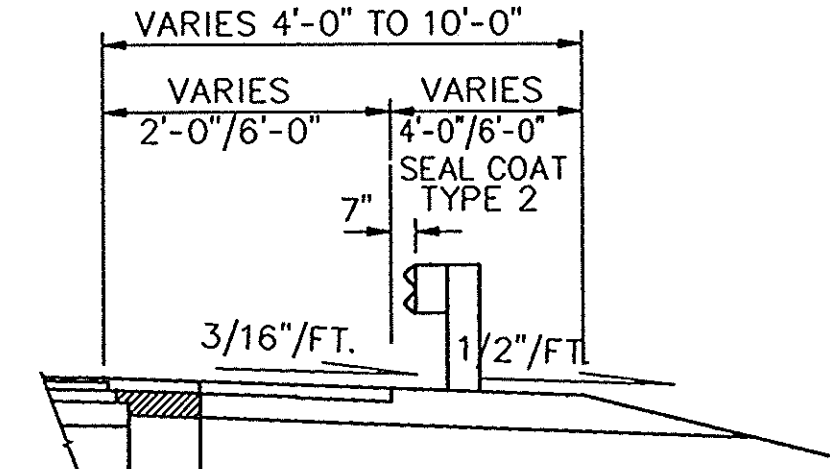


TYPICAL SECTION ON TANGENT

STA. 2128+29.17 "PR-1" TO 2129+05.01 "PR-1"
 STA. 2141+60 "A" TO 2144+42.36 "A"
 STA. 2148+41.58 "A" TO 2148+78.82 "A"
 STA. 2154+46.15 "PR-3" TO 2154+85.95 "PR-3"
 STA. 2160+65.78 "A" TO 2161+00 "A"



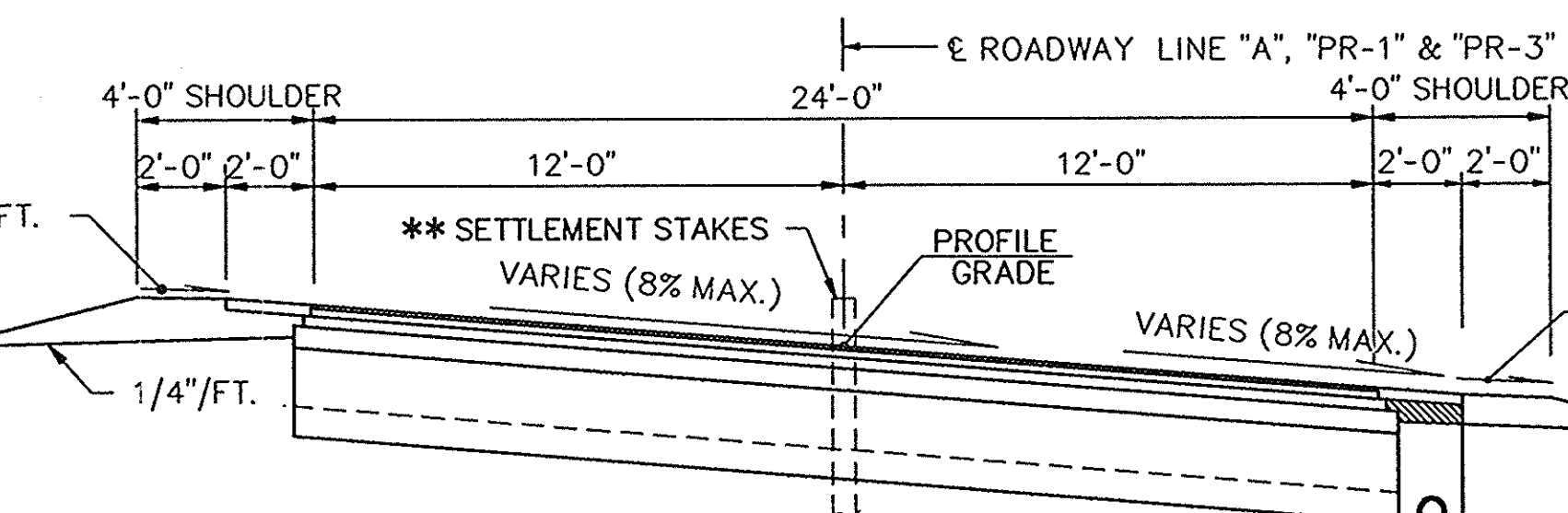
TAPER SHOULDER 10'-0" TO 4'-0" STA. 2141+00 "A" TO 2141+60 "A"



TAPER SHOULDER 10'-0" TO 4'-0" STA. 2140+00 "A" TO 2140+60 "A"

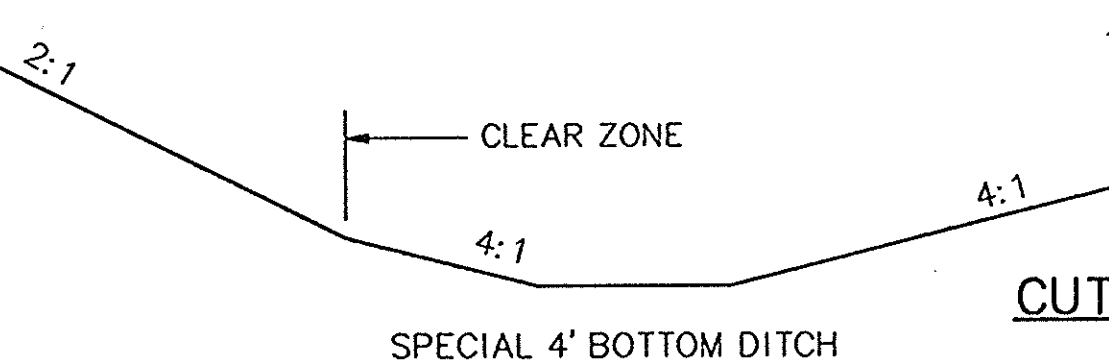
TYPICAL SECTION ON TANGENT WITH GUARD RAIL

STA. 2138+62.14 "A" TO 2141+60 "A"

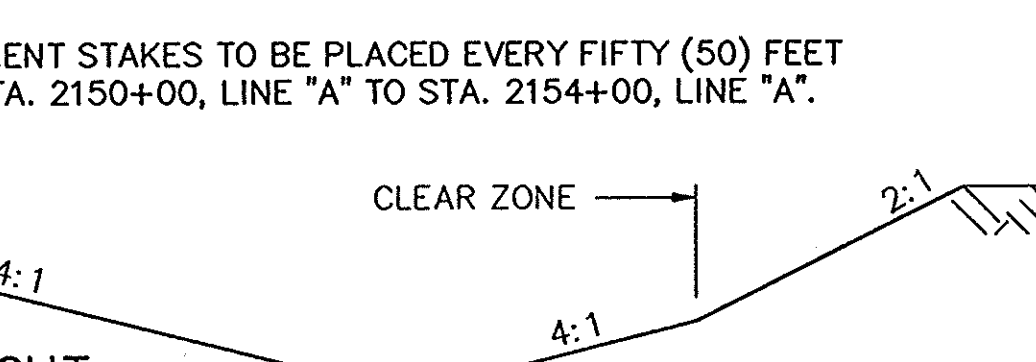


* TYPICAL SECTION ON CURVE

STA. 2124+75 "PR-1" TO 2128+29.17 "PR-1"
 STA. 2129+05.01 "PR-1" TO 2134+30 "PR-1"
 STA. 2144+42.36 "A" TO 2148+41.58 "A"
 STA. 2148+78.82 "A" TO 2154+46.15 "PR-3"
 STA. 2154+85.95 "PR-3" TO 2160+65.78 "A"



SPECIAL 4' BOTTOM DITCH

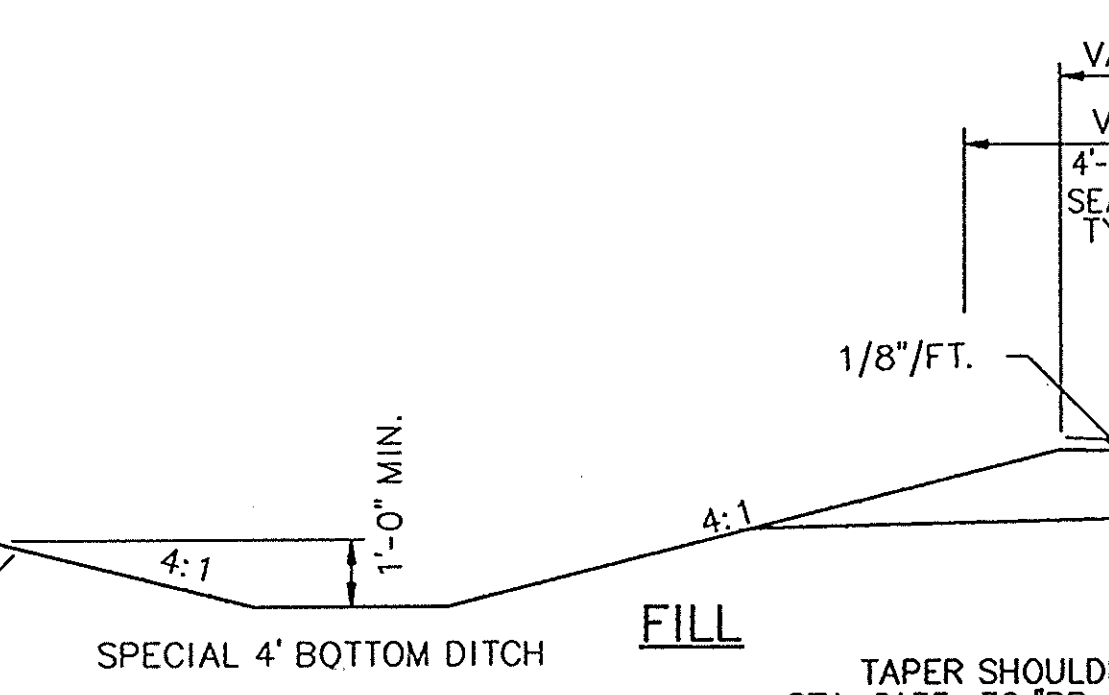


CUT

SPECIAL 4' BOTTOM DITCH

* TYPICAL SECTION ON CURVE WITH GUARD RAIL

STA. 2134+30 "PR-1" TO 2137+22.40 "A"



SPECIAL 4' BOTTOM DITCH

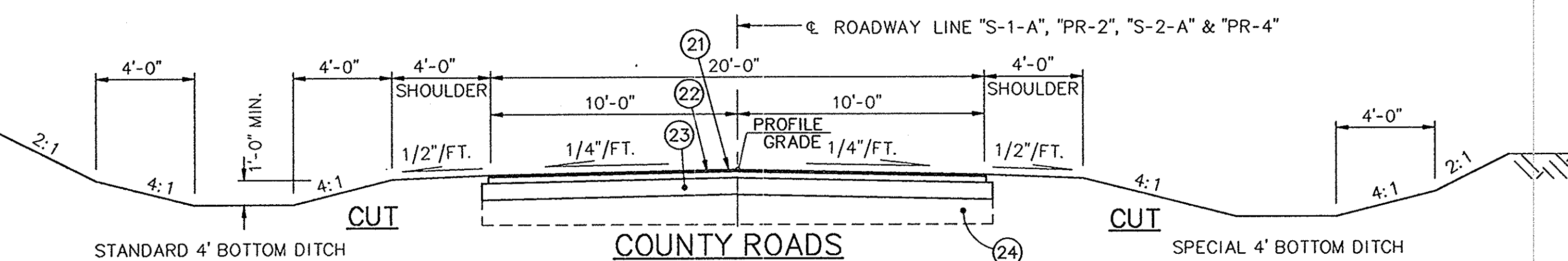
TAPER SHOULDER 4'-0" TO 10'-0" STA. 2135+30 "PR-1" TO 2135+90 "PR-1"

* TYPICAL SECTION ON CURVE WITH GUARD RAIL

STA. 2134+30 "PR-1" TO 2137+22.40 "A"

TAPER SHOULDER 4'-0" TO 10'-0" STA. 2134+30 "PR-1" TO 2134+90 "PR-1"

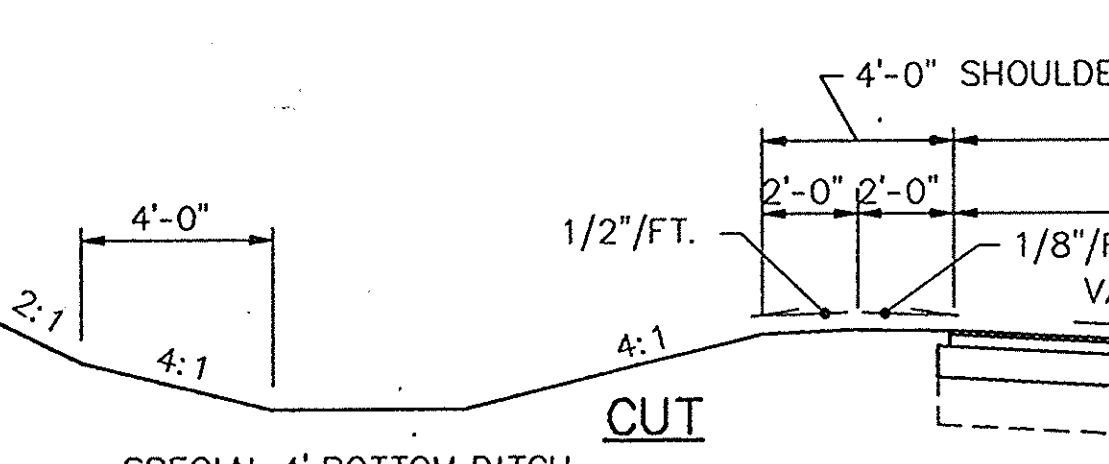
SPECIAL 4' BOTTOM DITCH



STANDARD 4' BOTTOM DITCH

COUNTY ROADS TYPICAL SECTION ON TANGENT

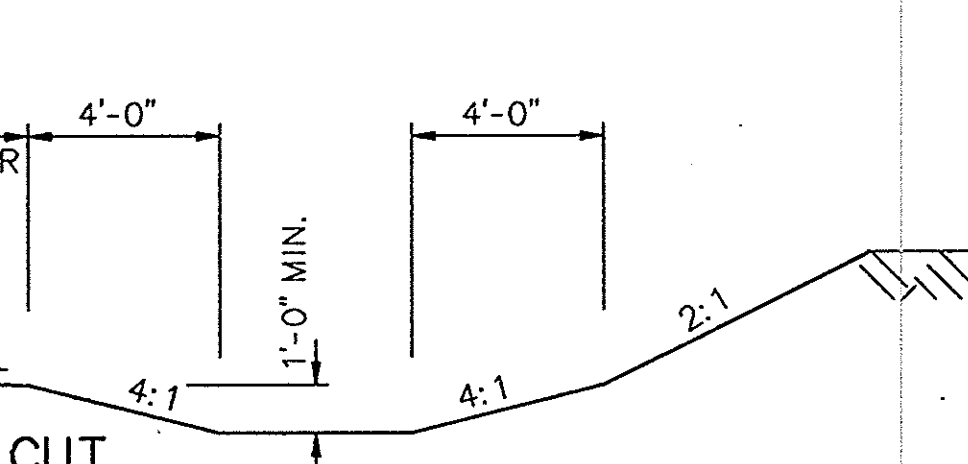
STA. 49+26.24 "PR-2" TO 50+97.26 "PR-2"
 STA. 53+41.34 "PR-2" TO 55+00 "PR-2"/"S-1-A"
 STA. 50+12.20 "S-2-A" TO 51+45 "S-2-A"
 STA. 48+95.16 "PR-4" TO 49+85.56 "PR-4"



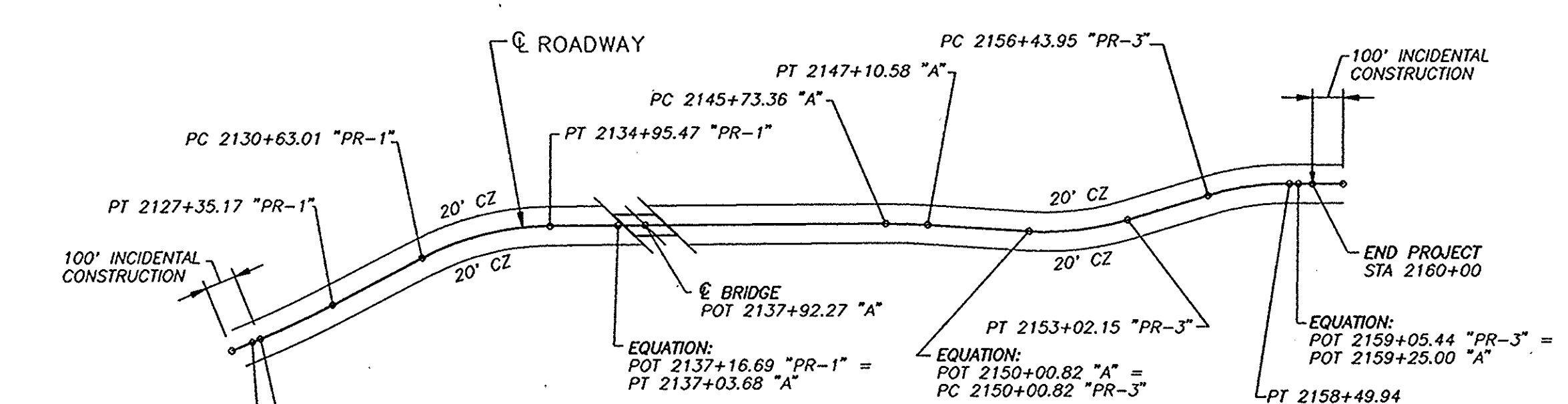
SPECIAL 4' BOTTOM DITCH

COUNTY ROADS * TYPICAL SECTION ON CURVE

STA. 50+97.26 "PR-2" TO 53+41.34 "PR-2"



STANDARD 4' BOTTOM DITCH

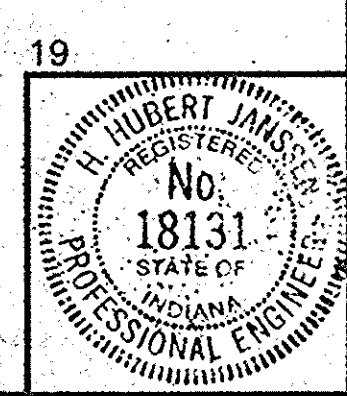


CLEAR ZONE LIMITS

TYPICAL CROSS SECTIONS INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: 1/4" = 1'-0"

DRAWING: 1 OF 1 SHEET: 2 OF 105
 PROJECT: F-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: 37-13-7146



TYPE SEC (48)

Sec. 13, T-2-S, R-1-W
Sterling Twp.
Crawford Co.

EQN:
P.O.T. STA. 2124+45.73 "A"=
P.C. STA. 2124+45.73 "PR-1"
MONUMENT TYPE "B" REQ'D

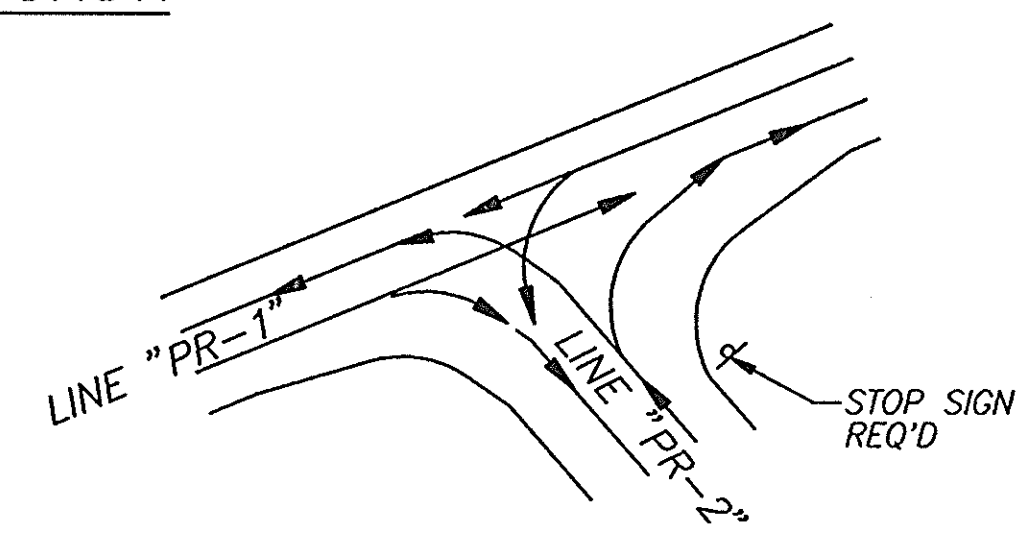
BEGIN INCIDENTAL CONSTRUCTION
STA. 2123+75 "A"

P.T. STA. 2123+34.1 "A"
MONUMENT TYPE "B" REQ'D

BEGIN PROJECT
STA. 2124+75 "PR-1"

P.T. STA. 2127+35.17 "PR-1"
MONUMENT TYPE "B" REQ'D

TEMP. R/W FOR
DRIVE CONSTRUCTION
LINE "PR-1" & C CONST.



TURNING MOVEMENT

NOTE:
ALL EXIST. PAVEMENT
WITHIN CONSTRUCTION
LIMITS TO BE REMOVED.

ALL EXISTING PIPES UNDER
FILL SLOPE TO BE REMOVED,
UNLESS NOTED.

ALL R/W TO BE AS SHOWN.

ALL R/W DESCRIBED FROM
LINE "PR-1" UNLESS OTHERWISE
NOTED.

ALL TOPO DESCRIBED FROM
LINE "A" UNLESS OTHERWISE
NOTED.

ALL SIGNS TO BE REPLACED AFTER
COMPLETION OF CONSTRUCTION.

NOTE:
THE EXIST. R/W ON S.R. 37 AS PER
PLANS PROJ. 58(YR. 1923)
SHEETS 3 & 4.

EARTHWORK SUMMARY

COMMON EXCAVATION	42,197 CYS
FILL + 20%	81,348 CYS
"B" BORROW, STRUCTURE BACKFILL	332 CYS
BORROW	41,938 CYS

THE ABOVE SUMMARY DOES NOT INCLUDE ANY
QUANTITIES FOR THE EXCAVATION AND BACK FILLING
OF AREAS REQUIRING "SPECIAL SUBGRADE TREATMENT";
WHICH IS ESTIMATED AT 4094 CYS.

THE ABOVE SUMMARY INCLUDES:
69 CYS. OF CUT AND 69 CYS. OF FILL FOR
BENCHING FROM STA. 2124+50 TO STA. 2125+50,
337 CYS. OF CUT AND 337 CYS. OF FILL FOR
BENCHING FROM STA. 2149+00 TO STA. 2151+50,
AND 697 CYS. OF CUT AND 697 CYS. OF FILL FOR
BENCHING FROM STA. 2157+00 TO STA. 2161+00.
AND 9775 CYS OF CUT AND 4783 CYS OF FILL
FOR PARCEL # 5

NOTE: 2455 CYS. OF COMMON EXCAVATION REQUIRED
FOR STRIPPING EXISTING PAVEMENT IS NOT
INCLUDED AS BORROW.

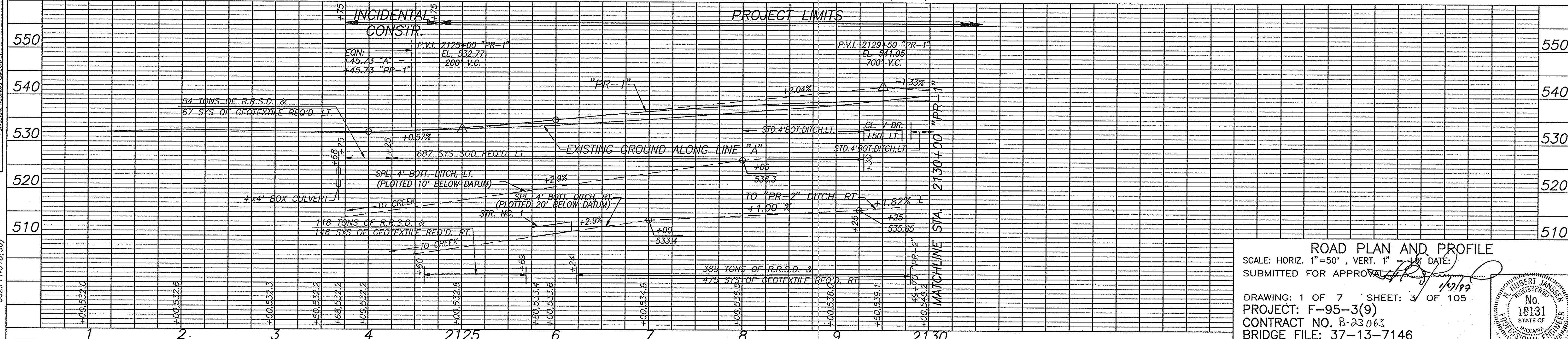
CURVE DATA
Δ=5°03'55" LT.
D=1'45"00"
L=289.44'
T=144.81'
R=3274.05'
E=3.20'
S.E.=0.036'/FT.

DATE	1/2/01
BY	DOB
CHECKED	LAG
DATE	5/1/01
BY	DOB
CHECKED	LAG
DATE	5/1/01
BY	DOB
CHECKED	LAG

DATE	1/2/01
BY	DOB
CHECKED	LAG
DATE	5/1/01
BY	DOB
CHECKED	LAG
DATE	5/1/01
BY	DOB
CHECKED	LAG

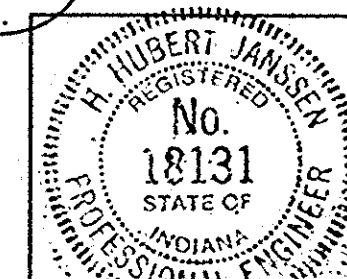
P.I. 2119+75.1 (NOT SET) "A"
CURVE DATA
Δ=19°20' LT.
D=2'40"
L=725'
T=366.0'
E=30.9'

THIS CURVE DATA FOR P.I. 2119+74.3 AS
SHOWN ON SH. 3 OF PROJ. 58(YR. 1923)
IS INCORRECT. THE CORRECT DATA IS
SHOWN ON THIS DWG. MAINTAINING THE
P.T. STA. AS 2123+34.1, THE P.I. STA.
WOULD BE 2119+75.1 USING THE
CORRECT DATA.



ROAD PLAN AND PROFILE
SCALE: HORIZ. 1"=50', VERT. 1"=10'
SUBMITTED FOR APPROVAL

DRAWING: 1 OF 7 SHEET: 3 OF 105
PROJECT: F-95-3(9)
CONTRACT NO. B-23063
BRIDGE FILE: 37-13-7146



PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
F-95-3(9)	1/7/PR-1	3	105	37-13-7146

002-PPN01B(50)

Sec. 13, T-2-S, R-1-W
Sterling Twp.
Crawford Co.

P.I. STA. 2132+83.34 "PR-1"
CURVE DATA
Δ=27°01'45" RT.
D=16'15"00"
L=432.47'
T=220.33'
R=916.73'
E=26.11'
S.E.=0.08'/FT.

P.O.S.T. 2131+82.8 (I.P.L.) "A"
P.I. 2131+82.8 @ S.R. 37
CURVE DATA-PRESENT S.R. 37
(NOT THE SAME AS SHOWN ON PLANS FOR SR 37, PROJ. 58(YR.1923))
Δ=38°29' RT.
D=11'15"
L=342.07'
T=177.77'
R=916.73'
E=30.13'
+07'10" 15" V.C.P. W/9" CONC. HDW

P.I. 2134+32.54 (I.P.B.) "A"
CURVE DATA
Δ=21°57'50" RT. T=277.96'
D=4'00"00" R=1432.20'
L=549.10' E=26.72'

P.O.S.T.F. 2136+18.64 (I.P.L.)
O.P.O.S.T.F. 1.75 RT. (I.P.L.)
DAVID R. & ROSALEEN M. GUTSELL

P.O.T. 2138+59.04 (I.P.L.) "A"
= P.O.T. 20+00.00 ("T-1-A")
STR. NO. 3
112' OF 6" F.B.C. PERF. S.C. PIPE REQ'D

NOTE:
ALL EXIST. PAVEMENT WITHIN CONSTRUCTION LIMITS TO BE REMOVED.
ALL EXISTING PIPES UNDER FILL SLOPE TO BE REMOVED, UNLESS NOTED.
ALL R/W TO BE AS SHOWN.
ALL R/W DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.
ALL TOPO DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.
ALL SIGNS TO BE REPLACED AFTER COMPLETION OF CONSTRUCTION.

EQN:
P.O.T. 2130+94.21 (Rd. N.F.) "A"
P.O.T. 50+00.00 ("S-1-A")

P.C. STA. 2130+63.01 "PR-1"
MONUMENT TYPE "B" REQ'D

EQN:
P.O.T. 2129+50 "PR-1"
P.O.T. 49+12.38 "PR-2"

EXIST. PAVEMENT TO BE REMOVED. EXIST. EMBANKMENT IS TO REMAIN. HOWEVER THE SURFACE SHOULD BE SMOOTHED AND SEEDED.

FOR DETAILS OF LINE "S-1-A", SEE SHT. 7

SEE SHEET 5, DETAIL "A" FOR 1/4 SECTION LINE TIES.
JOHN D. & MAYME RUTH LASWELL

NOTE:
THE EXIST. R/W ON S.R. 37 AS 8" BLK. PER PLANS PROJ. 58(YR. 1923) SHEETS 3 & 4.

INDICATES AREAS TO BE REVEGETATED FOR REVEGETATION SCHEME SEE SHEET 19.

SLOPE EMBANKMENT 3:1 TO EXISTING GROUND AT APPROXIMATE ENDS OF EXISTING BRIDGE.

TEMP R/W FOR STOCKPILED MATERIAL

EQN:
P.O.T. 2138+59.04 "A"
P.O.T. 20+00.00 "T-1-A" (I.P.B.)

EQN:
P.O.T. 2130+94.21 "A"
P.O.T. 50+00.00 "S-1-A"

P.O.T. 2131+44.20 "A"

P.C. 2131+54.58 "A"

EQN:
P.O.S.T. 2131+82.80 "A"
P.I. 2131+82.8

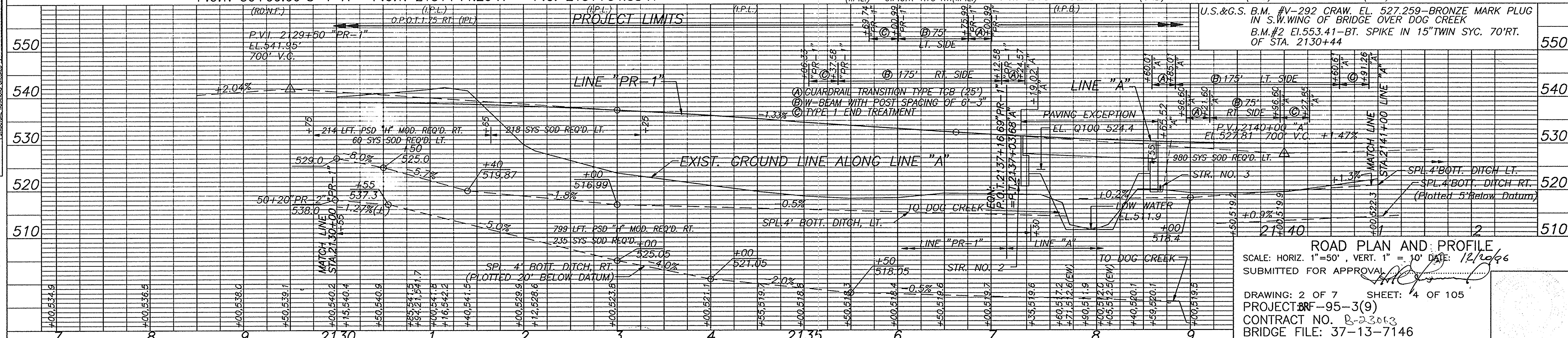
P.O.S.T. 2133+28.76 "A"
P.I. 2133+28.76

P.I. 2134+32.54 "A"

P.O.S.T.F. 2136+18.64 "A"
O.P.O.T. 1.75 RT. (I.P.L.)

P.T. 2137+03.68 "A" (I.P.L.)

U.S. & G.S. B.M. #V-292 CRAW. EL. 527.259 - BRONZE MARK PLUG IN S.W. WING OF BRIDGE OVER DOG CREEK
B.M. #2 EL. 553.41 - BT. SPIKE IN 15" TWIN SYC. 70' RT. OF STA. 2130+44



ROAD PLAN AND PROFILE
SCALE: HORIZ. 1"=50', VERT. 1"=10'
SUBMITTED FOR APPROVAL

DRAWING: 2 OF 7 SHEET: 4 OF 105
PROJECT BR-95-3(9)
CONTRACT NO. B-23063
BRIDGE FILE: 37-13-7146

REVISED 5-9-97 - TEMP R/W FOR STOCKPILED MATERIAL

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
F-95-3(9)	PR-1/A	4	105	37-13-7146

DATE	BY	CHKD	APP'D
1/2/91

DATE	BY	CHKD	APP'D
1/2/91

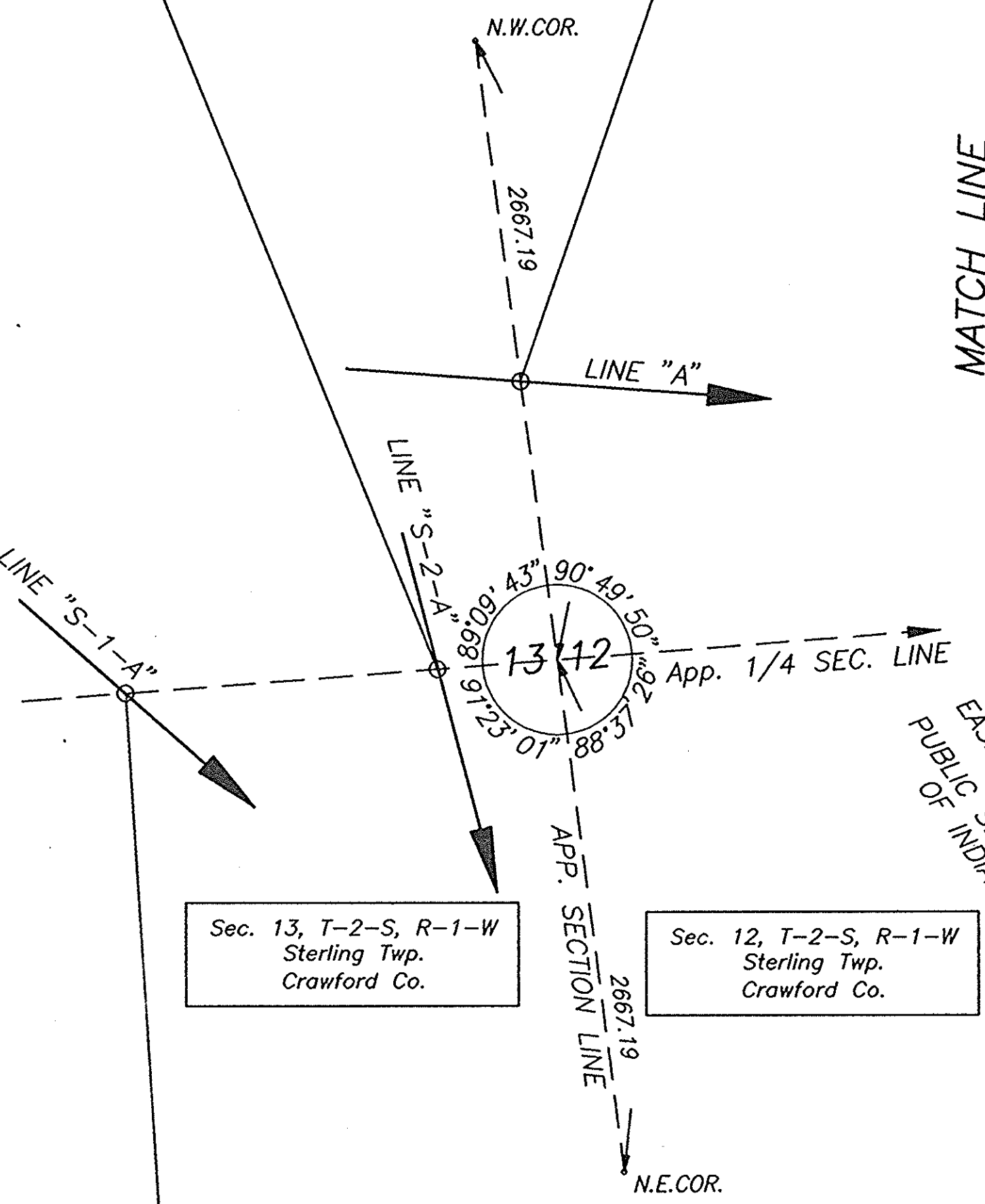
002:PPN05B(50)

DATE	1/2/91
BY	SKM
CHKD	BDL
REV	5/1/91
BY	SKM
CHKD	BDL
PLAN	APPROVED
REVISION	NOTED
NOTE	BOOK APPROVED CHECKED
NO.	BR2855
REF.	OF "W" CHECKED

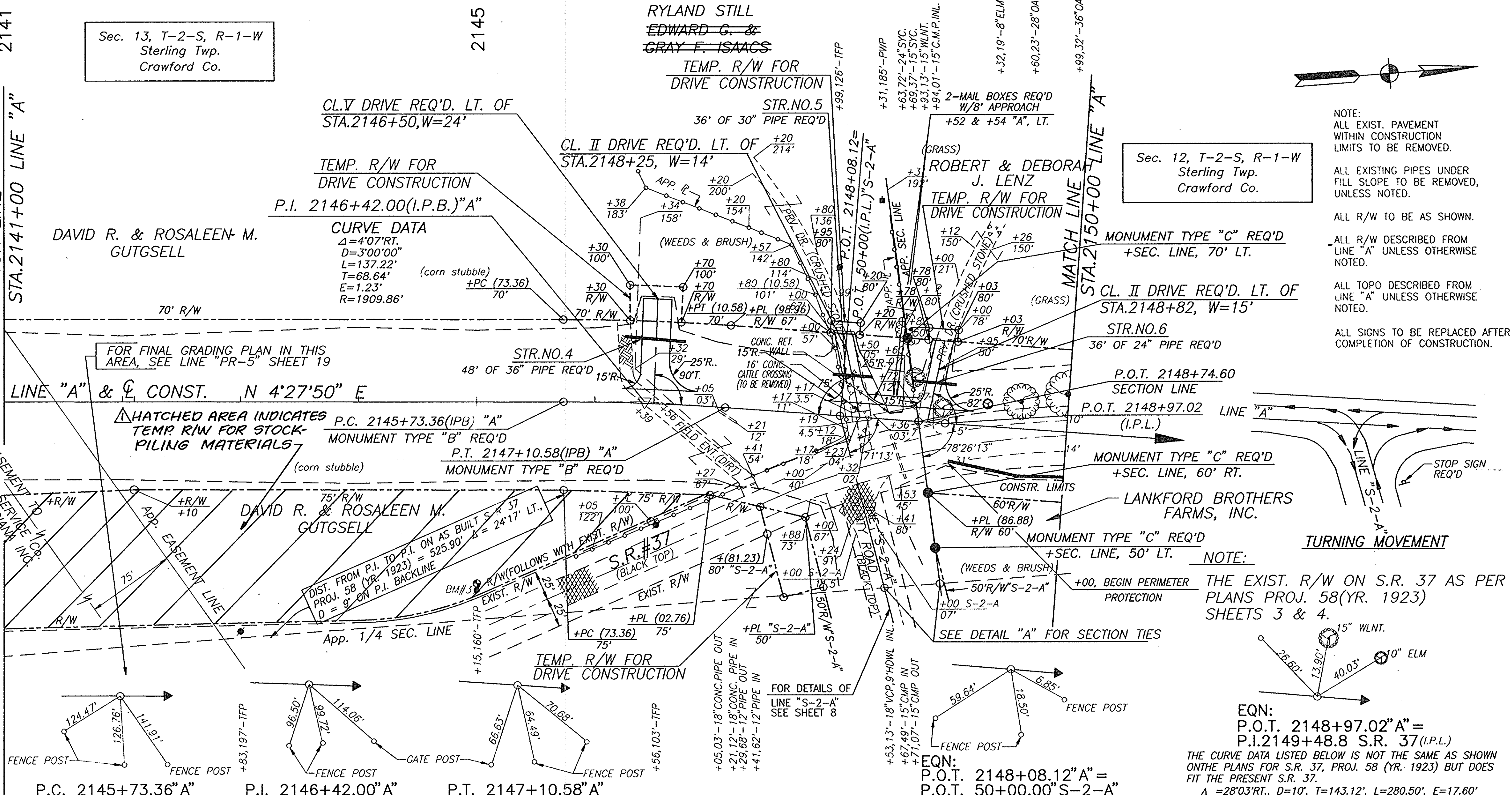
DATE	1/2/91
BY	SKM
CHKD	BDL
REV	5/1/91
BY	SKM
CHKD	BDL
PROFILE	APPROVED
REVISION	NOTED
NOTE	BOOK APPROVED CHECKED
NO.	BR2855
REF.	OF "W" CHECKED

P.O.T. 51+42.45, Δ = 82°14'30" LT. TO APP. 1/4 SEC. LINE
DIST. = 47.97' LT. TO N. 1/4 COR. SEC. 13 T-2-S R-1-W
STERLING TWP. CRAWFORD CO. (NO STONE FND.)

P.O.T. 2148+74.60, Δ = 78°26'13" RT.
TO N. 1/4 COR. SEC. 13 T-2-S R-1-W
STERLING TWP. CRAWFORD CO. (NO STONE FND.)



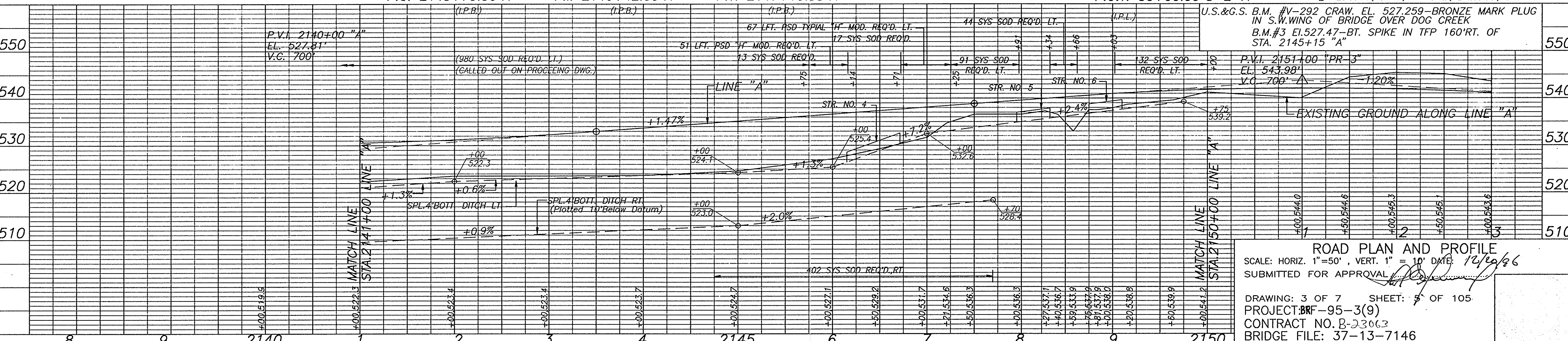
DETAIL "A"
SECTION TIES



NOTE:
ALL EXIST. PAVEMENT WITHIN CONSTRUCTION LIMITS TO BE REMOVED.
ALL EXISTING PIPES UNDER FILL SLOPE TO BE REMOVED, UNLESS NOTED.
ALL R/W TO BE AS SHOWN.
ALL R/W DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.
ALL TOPO DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.
ALL SIGNS TO BE REPLACED AFTER COMPLETION OF CONSTRUCTION.

NOTE:
THE EXIST. R/W ON S.R. 37 AS PER PLANS PROJ. 58 (YR. 1923) SHEETS 3 & 4.

EQN:
P.O.T. 2148+97.02 "A" =
P.I. 2149+48.8 S.R. 37 (I.P.L.)
THE CURVE DATA LISTED BELOW IS NOT THE SAME AS SHOWN ON THE PLANS FOR S.R. 37, PROJ. 58 (YR. 1923) BUT DOES FIT THE PRESENT S.R. 37.
Δ = 28°03' RT., D = 10', T = 143.12', L = 280.50', E = 17.60'



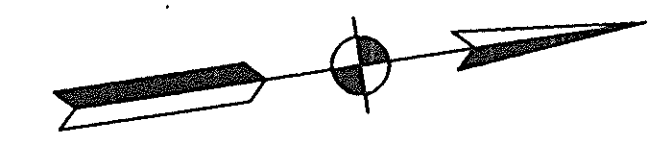
ROAD PLAN AND PROFILE
SCALE: HORIZ. 1"=50', VERT. 1"=10' DATE: 12/20/86
SUBMITTED FOR APPROVAL
DRAWING: 3 OF 7 SHEET: 5 OF 105
PROJECT: BR-95-3(9)
CONTRACT NO. B-23063
BRIDGE FILE: 37-13-7146

REVISED 5-9-97 - TEMP R/W FOR STOCKPILED MATERIAL

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95-3(9)	"A"	5	105	37-13-7146

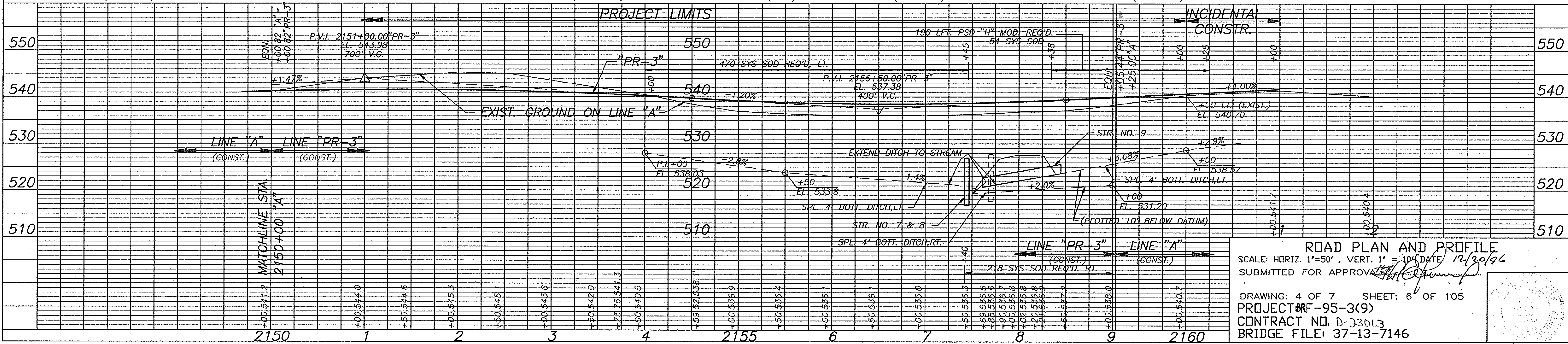
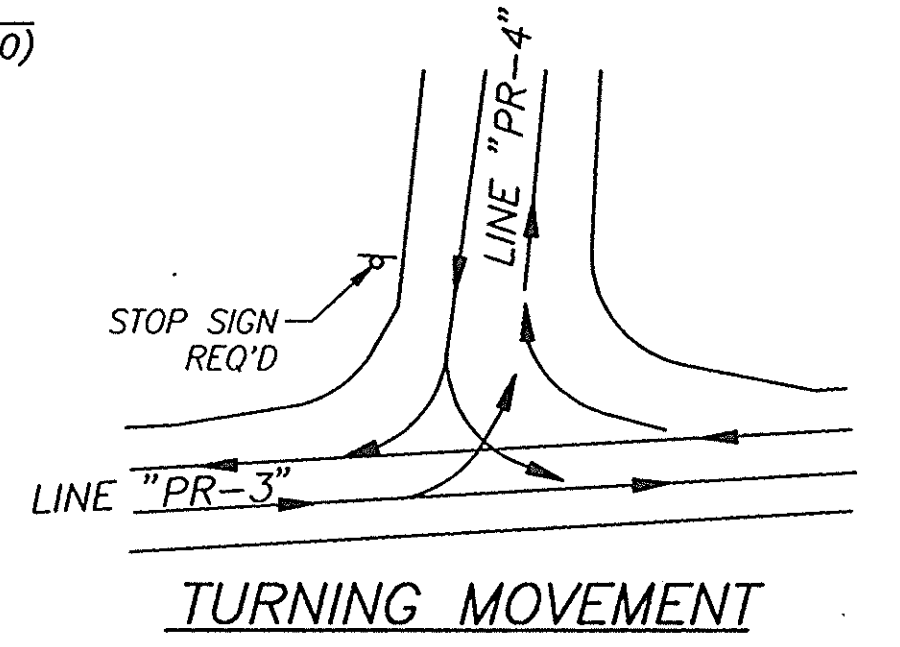
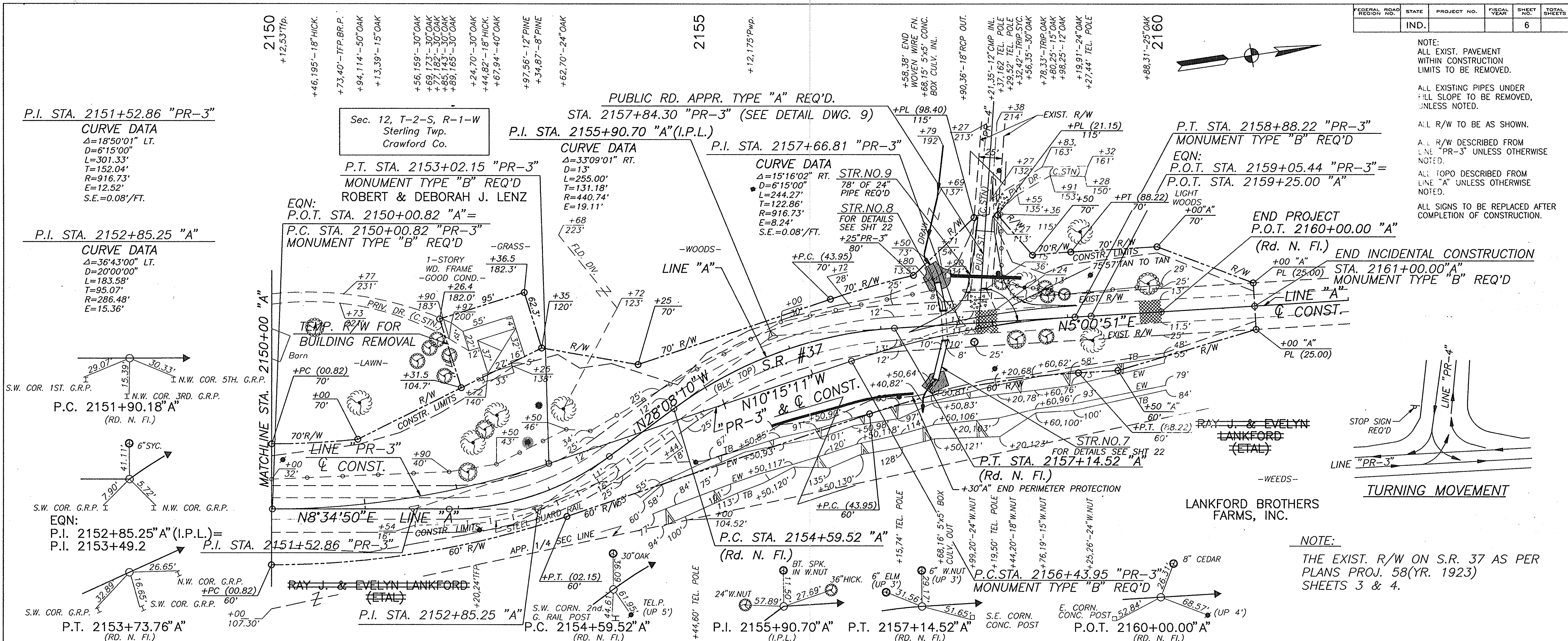
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	IND.			6	

NOTE:
 ALL EXIST. PAVEMENT WITHIN CONSTRUCTION LIMITS TO BE REMOVED.
 ALL EXISTING PIPES UNDER FILL SLOPE TO BE REMOVED, UNLESS NOTED.
 ALL R/W TO BE AS SHOWN.
 ALL R/W DESCRIBED FROM LINE "PR-3" UNLESS OTHERWISE NOTED.
 ALL TOPO DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.
 ALL SIGNS TO BE REPLACED AFTER COMPLETION OF CONSTRUCTION.



DATE	BY	CHKD.

DATE	BY	CHKD.



ROAD PLAN AND PROFILE
 SCALE: HORIZ. 1"=50', VERT. 1"=10'
 SUBMITTED FOR APPROVAL DATE 12/20/96
 DRAWING: 4 OF 7 SHEET: 6 OF 105
 PROJECT ORF-95-3(9)
 CONTRACT NO. B-33063
 BRIDGE FILE: 37-13-7146

PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
F-95-3(9)	A/PR-3	6	105	37-13-7146

002:PPN046(50)

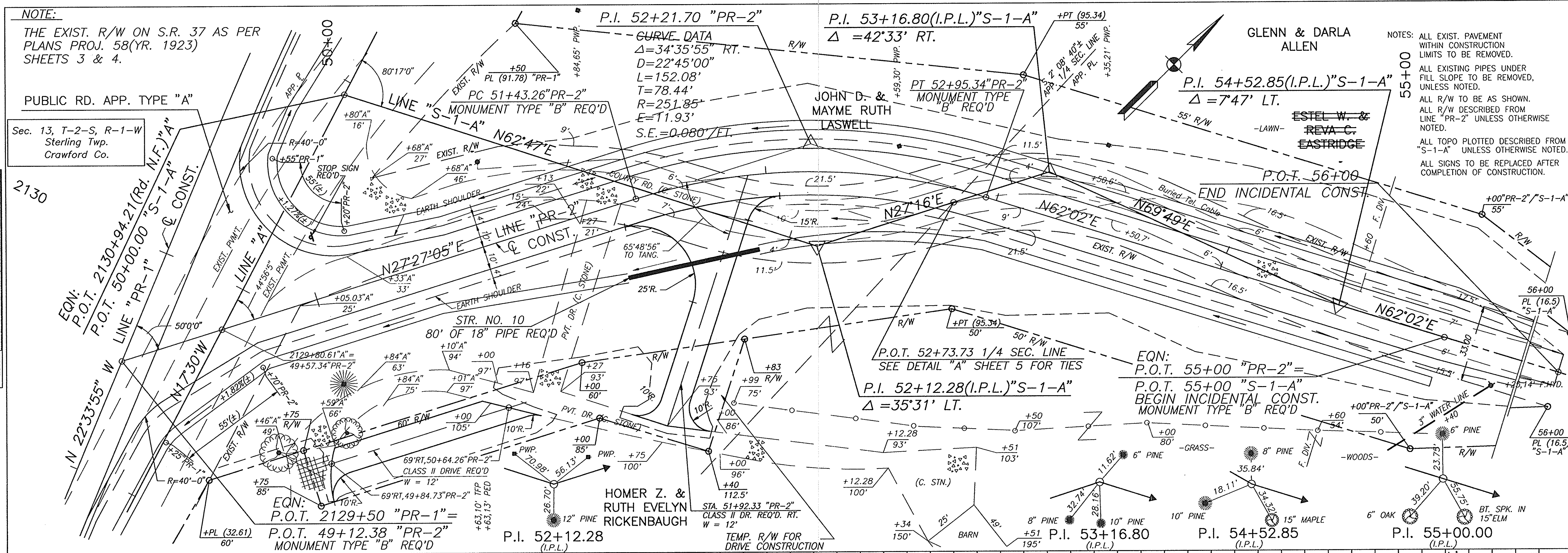
NOTE:

THE EXIST. R/W ON S.R. 37 AS PER PLANS PROJ. 58(YR. 1923) SHEETS 3 & 4.

PUBLIC RD. APP. TYPE "A"

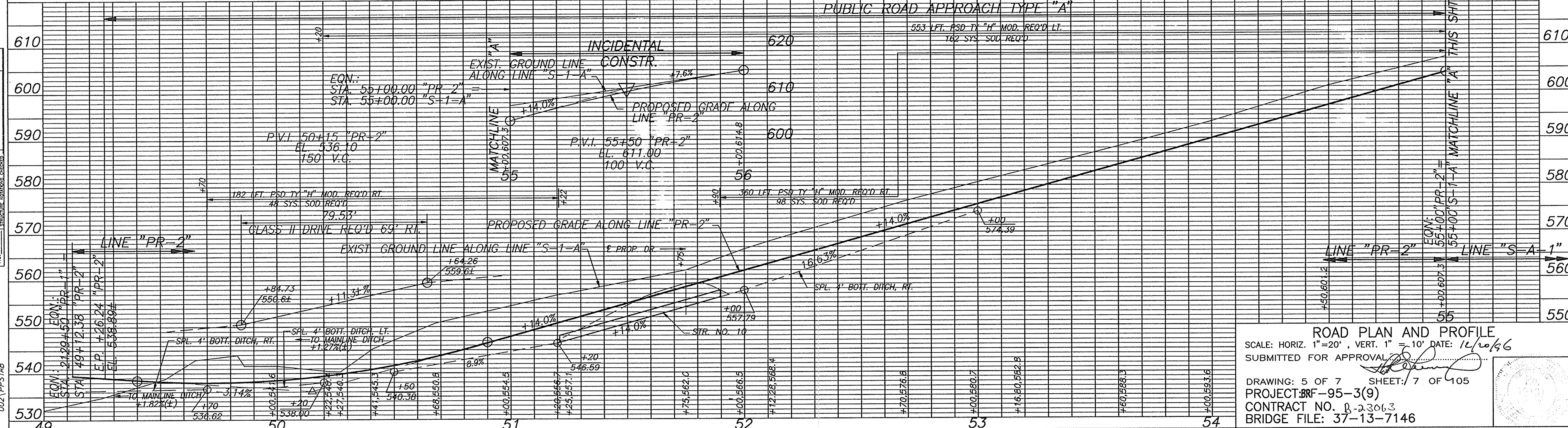
Sec. 13, T-2-S, R-1-W Sterling Twp. Crawford Co.

NOTES: ALL EXIST. PAVEMENT WITHIN CONSTRUCTION LIMITS TO BE REMOVED. ALL EXISTING PIPES UNDER FILL SLOPE TO BE REMOVED, UNLESS NOTED. ALL R/W TO BE AS SHOWN. ALL R/W DESCRIBED FROM LINE "PR-2" UNLESS OTHERWISE NOTED. ALL TOPO PLOTTED DESCRIBED FROM "S-1-A" UNLESS OTHERWISE NOTED. ALL SIGNS TO BE REPLACED AFTER COMPLETION OF CONSTRUCTION.



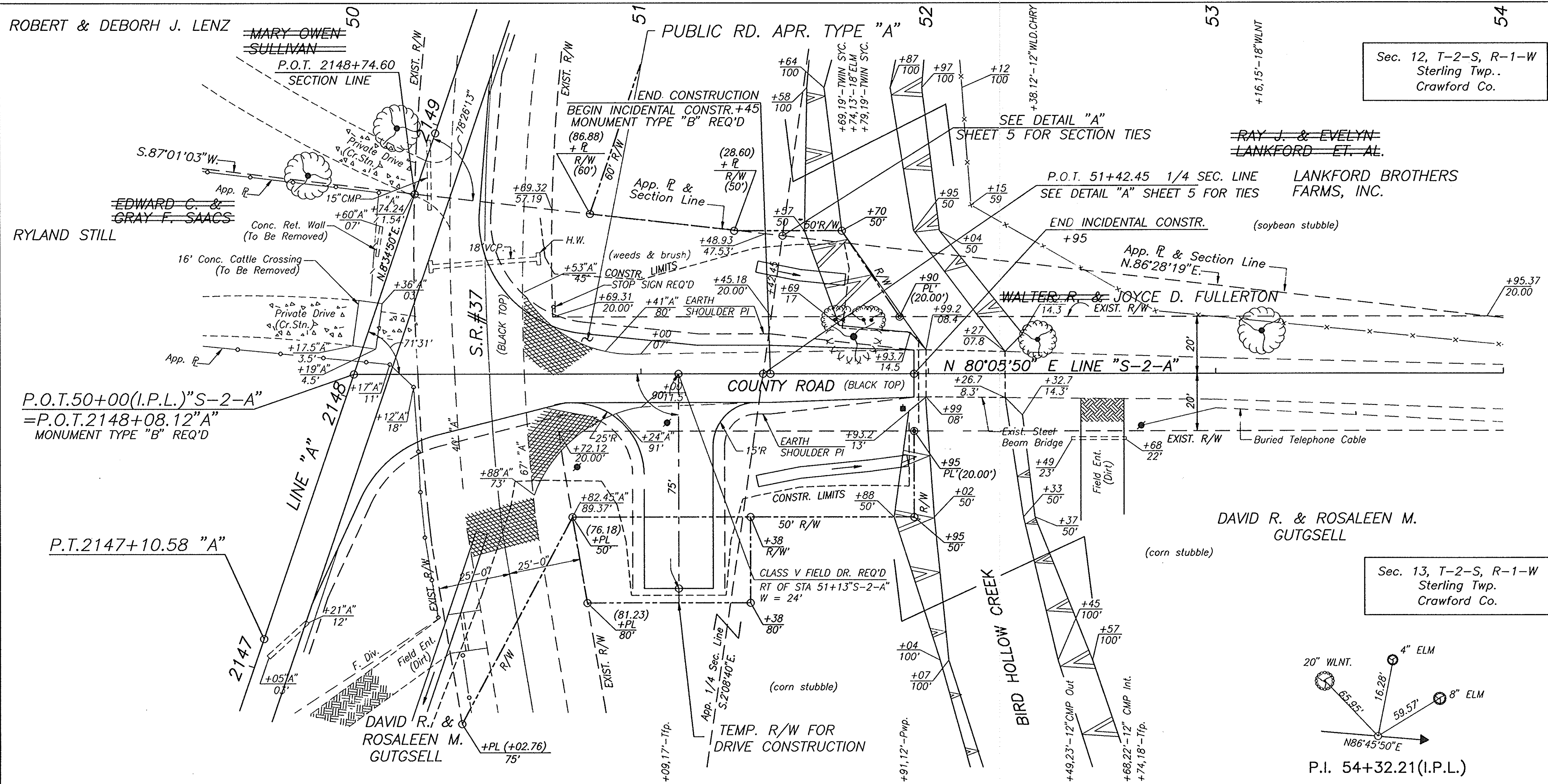
DATE	1/5/81
BY	LD
CHKD	LD
DATE	5/1/81
BY	LD
CHKD	LD
DATE	5/1/81
BY	LD
CHKD	LD

DATE	1/5/81
BY	LD
CHKD	LD
DATE	5/1/81
BY	LD
CHKD	LD
DATE	5/1/81
BY	LD
CHKD	LD

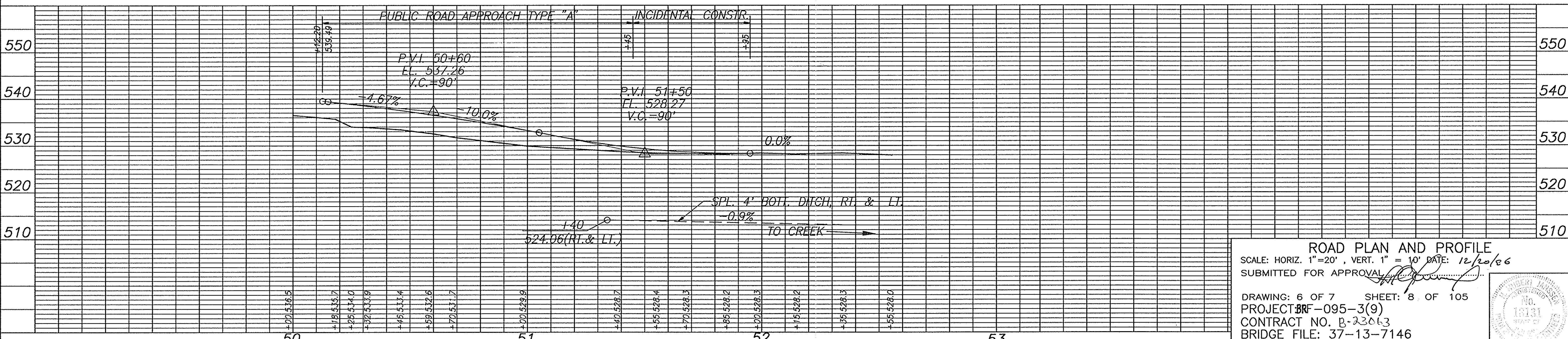
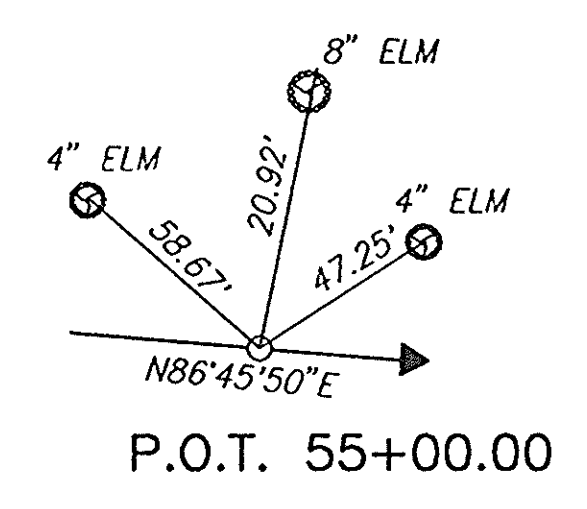
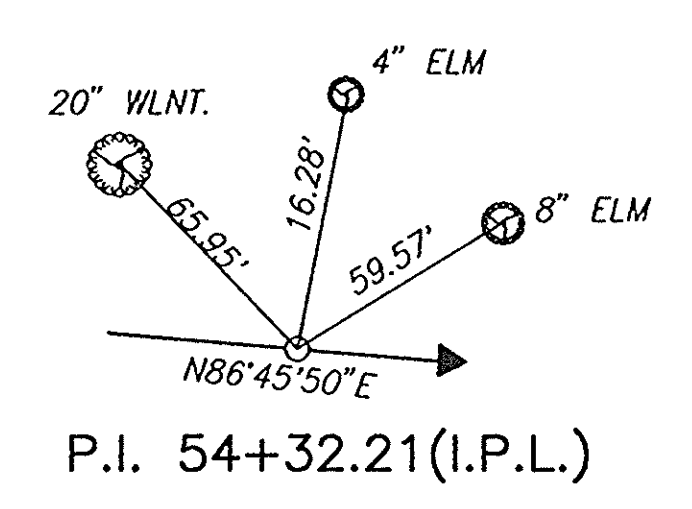


ROAD PLAN AND PROFILE
 SCALE: HORIZ. 1"=20', VERT. 1"=10' DATE: 12/20/86
 SUBMITTED FOR APPROVAL: [Signature]
 DRAWING: 5 OF 7 SHEET: 7 OF 105
 PROJECT: BRF-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: 37-13-7146

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95-3(9)	S-1-A/PR-2	7	105	37-13-7146



NOTE:
 THE EXIST. R/W ON S.R. 37 AS PER PLANS PROJ. 58(YR. 1923) SHEETS 3 & 4.



ROAD PLAN AND PROFILE
 SCALE: HORIZ. 1"=20', VERT. 1"=10' DATE: 12/20/06
 SUBMITTED FOR APPROVAL

DRAWING: 6 OF 7 SHEET: 8 OF 105
 PROJECT BR-095-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: 37-13-7146

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-095-3(9)	S-2-A	8	105	37-13-7146

PLAN

DATE	1/19/02
BY	GH
CHK	GH
DATE	5/14/01
BY	GH
CHK	GH
DATE	1/19/02
BY	GH
CHK	GH

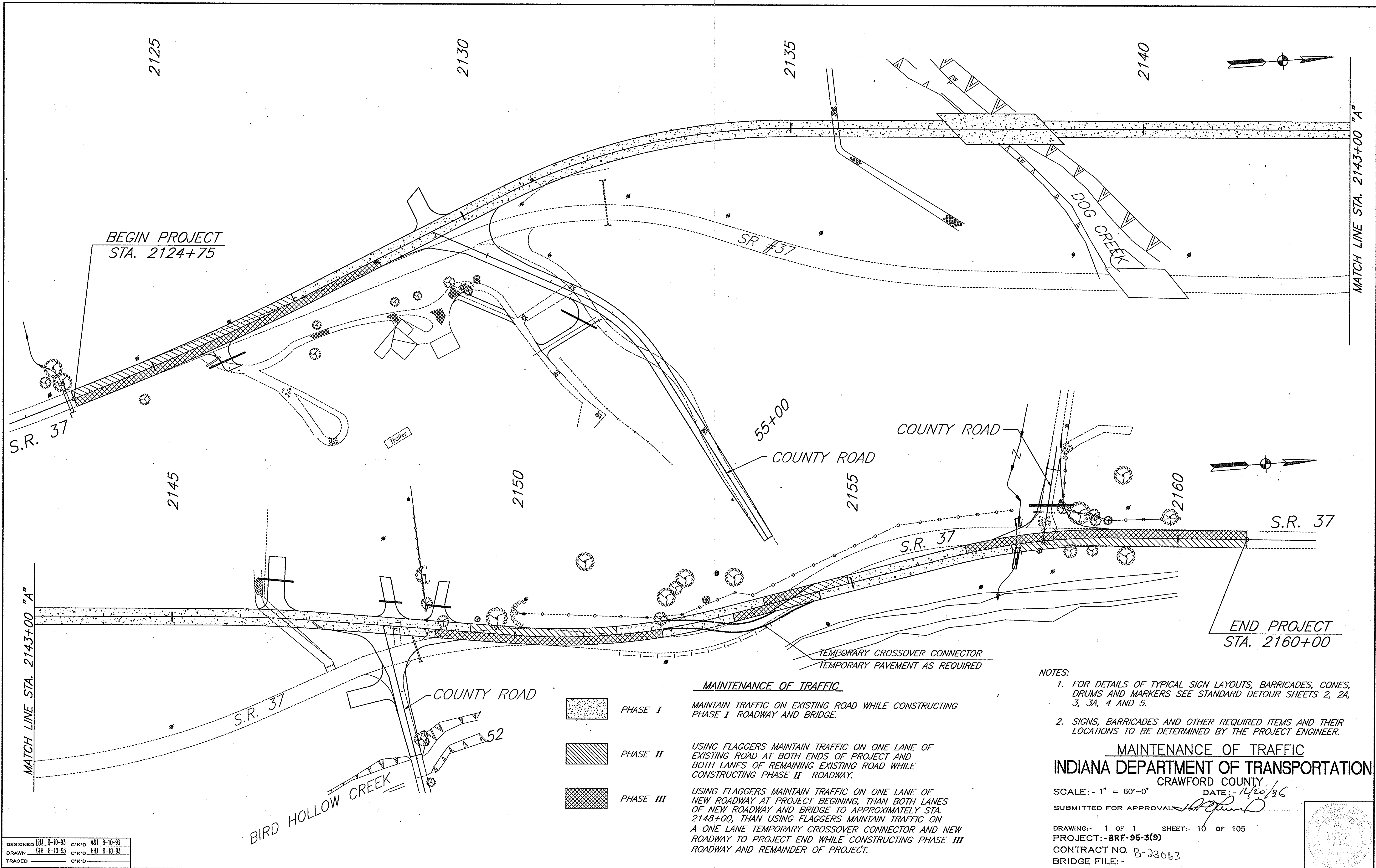
NO. BR2655

PROFILE

DATE	1/19/02
BY	GH
CHK	GH
DATE	5/14/01
BY	GH
CHK	GH
DATE	1/19/02
BY	GH
CHK	GH

NO. BR2655

002-PPS246(20)

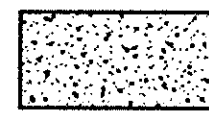
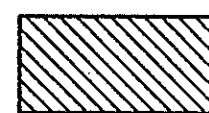



BEGIN PROJECT
STA. 2124+75

MATCH LINE STA. 2143+00 "A"

MATCH LINE STA. 2143+00 "A"

END PROJECT
STA. 2160+00

- 
PHASE I
- 
PHASE II
- 
PHASE III

MAINTENANCE OF TRAFFIC

PHASE I MAINTAIN TRAFFIC ON EXISTING ROAD WHILE CONSTRUCTING PHASE I ROADWAY AND BRIDGE.

PHASE II USING FLAGGERS MAINTAIN TRAFFIC ON ONE LANE OF EXISTING ROAD AT BOTH ENDS OF PROJECT AND BOTH LANES OF REMAINING EXISTING ROAD WHILE CONSTRUCTING PHASE II ROADWAY.

PHASE III USING FLAGGERS MAINTAIN TRAFFIC ON ONE LANE OF NEW ROADWAY AT PROJECT BEGINING, THAN BOTH LANES OF NEW ROADWAY AND BRIDGE TO APPROXIMATELY STA. 2148+00, THAN USING FLAGGERS MAINTAIN TRAFFIC ON A ONE LANE TEMPORARY CROSSOVER CONNECTOR AND NEW ROADWAY TO PROJECT END WHILE CONSTRUCTING PHASE III ROADWAY AND REMAINDER OF PROJECT.


- NOTES:
- FOR DETAILS OF TYPICAL SIGN LAYOUTS, BARRICADES, CONES, DRUMS AND MARKERS SEE STANDARD DETOUR SHEETS 2, 2A, 3, 3A, 4 AND 5.
 - SIGNS, BARRICADES AND OTHER REQUIRED ITEMS AND THEIR LOCATIONS TO BE DETERMINED BY THE PROJECT ENGINEER.

MAINTENANCE OF TRAFFIC

INDIANA DEPARTMENT OF TRANSPORTATION

CRAWFORD COUNTY

SCALE: - 1" = 60'-0" DATE: - 11/20/86

SUBMITTED FOR APPROVAL 

DRAWING: - 1 OF 1 SHEET: - 10 OF 105

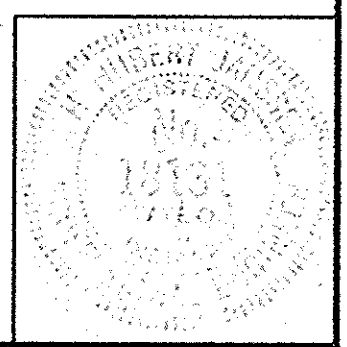
PROJECT: - BRF-95-3(9)

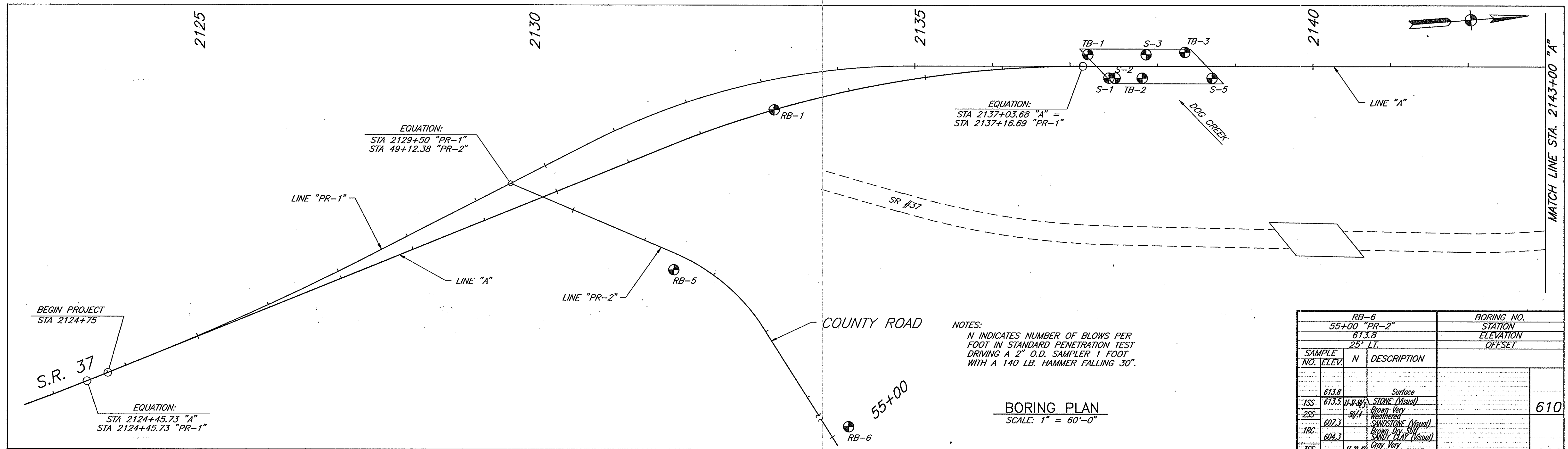
CONTRACT NO. B-23063

BRIDGE FILE: -

MOT (100)

DESIGNED	FRU	8-10-93	C.K'D	MH	8-10-93
DRAWN	GH	8-10-93	C.K'D	JHJ	8-10-93
TRACED			C.K'D		



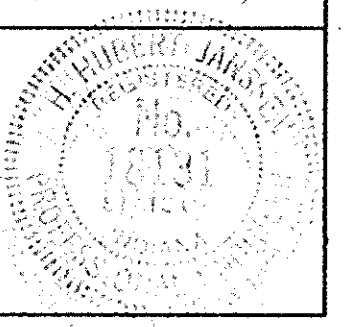


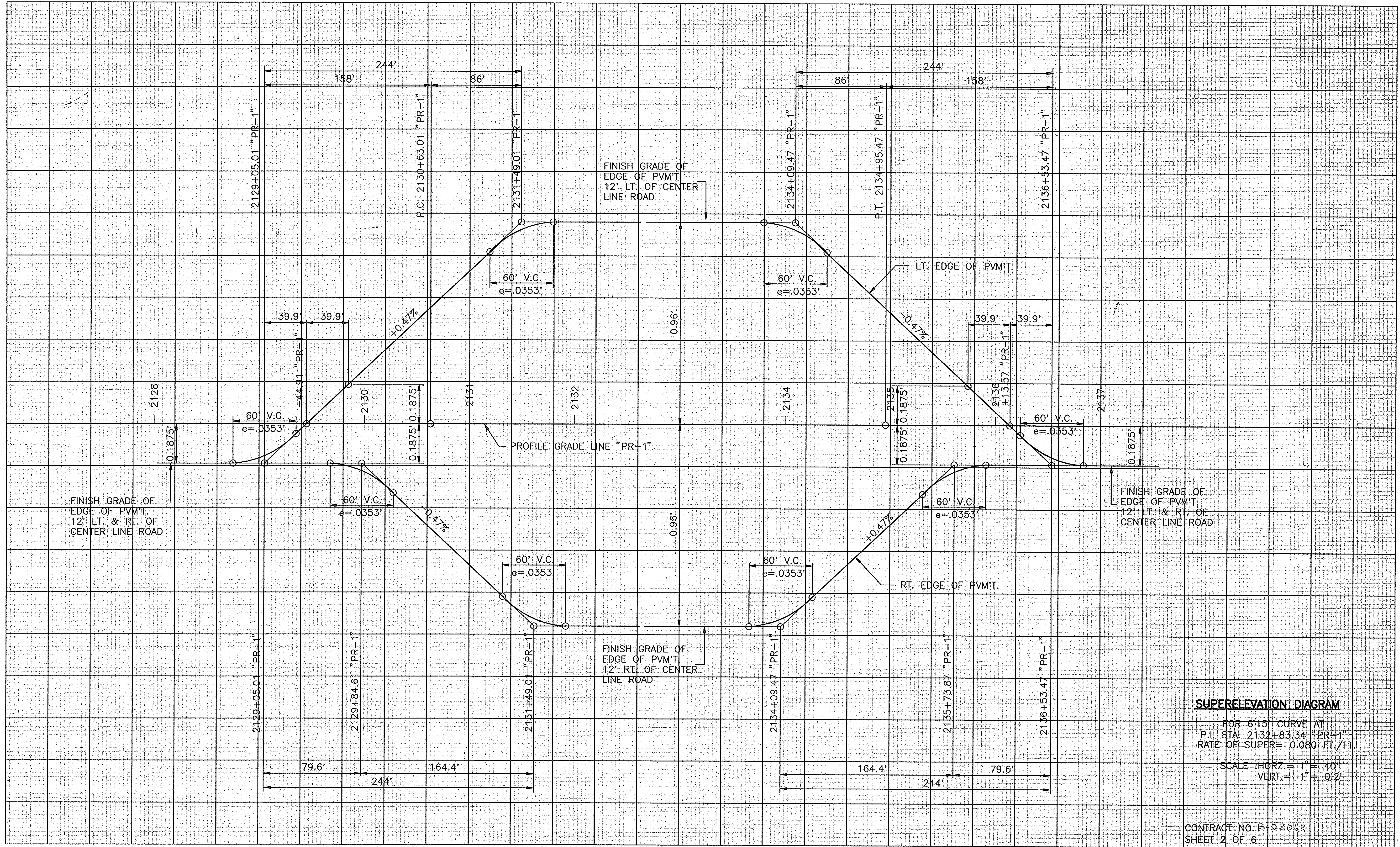
BORING NO.	STA.	ELEV.	OFFSET	SAMPLE NO.	ELEV.	N	DESCRIPTION	BORING NO.	STA.	ELEVATION	OFFSET
S-1	2137+40 "A"	520.7	15' RT.	S-1	520.7		Surface	RB-6	55+00 "PR-2"	613.8	25' LT.
S-2	2137+45 "A"	517.1	15' RT.	S-2	517.1		Surface	RB-5	51+50 "PR-2"	562.3	20' RT.
S-3	2137+85 "A"	512.1	15' LT.	S-3	512.1		Surface	RB-1	2133+00 "A"	530.7	CENTERLINE
S-5	2138+70 "A"	520.0	15' RT.	S-5	520.0		Surface	RB-5	51+50 "PR-2"	562.3	20' RT.
TB-1	2137+10 "A"	519.7	15' LT.	TB-1	519.7		Surface	RB-1	2133+00 "A"	530.7	CENTERLINE
TB-2	2137+80 "A"	514.3	15' RT.	TB-2	514.3		Surface	RB-5	51+50 "PR-2"	562.3	20' RT.
TB-3	2138+35 "A"	519.7	18' LT.	TB-3	519.7		Surface	RB-1	2133+00 "A"	530.7	CENTERLINE
RB-1	2133+00 "A"	530.7		RB-1	530.7		Surface	RB-5	51+50 "PR-2"	562.3	20' RT.
RB-5	51+50 "PR-2"	562.3		RB-5	562.3		Surface	RB-1	2133+00 "A"	530.7	CENTERLINE
RB-6	55+00 "PR-2"	613.8		RB-6	613.8		Surface	RB-5	51+50 "PR-2"	562.3	20' RT.
1SS	519.7	15-17-7	Brown Dry Loose SAND with Rock Fragments (Visual)	1SS	519.7	2-1-7	TOPSOIL (Visual)	1SS	519.7	2-1-7	TOPSOIL (Visual)
2SS	518.2	2-1-5	Brown Dry Medium Silt to Very Silt SILTY LOAM	2SS	518.2	2-2-4	Brown Dry Very Soft to Very Silt SANDY LOAM	2SS	518.2	2-2-4	Brown Dry Very Soft to Very Silt SANDY LOAM
3SS	510.7	1-7-17	Gray Wet Medium Silt SILTY LOAM with Rock Fragments	3SS	510.7	2-6-10	Gray Wet Very Soft SANDY LOAM	3SS	510.7	2-6-10	Gray Wet Very Soft SANDY LOAM
4SS	507.2	1-3-3	Gray Weathered Limestone with Rock Fragments	4SS	507.2	1-3-3	Gray Weathered SHALE (Visual)	4SS	507.2	50/0	Gray Moist Very Soft SANDY LOAM
1RC	512.2		Auger refusal at 8.5' (2.6m) on apparent bedrock	1RC	512.2		Auger refusal at 7.8' (2.4m) on apparent bedrock	1RC	508.8		Gray Weathered SHALE (Visual)
2RC	510.6		Auger refusal at 6.5' (2.0m) on apparent bedrock	2RC	510.6		Auger refusal at 6.5' (2.0m) on apparent bedrock	2RC	504.8		Gray Weathered Limestone
3RC	512.1		Auger refusal at Surface on Bedrock	3RC	512.1		Auger refusal at Surface on Bedrock	3RC	504.8		Gray Weathered Limestone
4RC	512.2		Auger refusal at 7.8' (2.4m) on apparent bedrock	4RC	512.2		Auger refusal at 7.8' (2.4m) on apparent bedrock	4RC	503.9		Boring terminated at 14.9 feet (4.5m)
5RC	520.0		Surface	5RC	520.0		Surface	5RC	503.9		Boring terminated at 10.4 feet
6RC	519.7		Surface	6RC	519.7		Surface	6RC	493.7		Boring terminated at 20.0 feet

SOIL BORINGS
 SCALE: HORIZ. 1"=60', VERT. 1"=10' DATE: 12/20/96
 SUBMITTED FOR APPROVAL [Signature]

DRAWING: 1 OF 2 SHEET: 11 OF 105
 PROJECT: BR-95-3(9)
 CONTRACT NO. P-22043
 BRIDGE FILE: 37-13-7146

DESIGNED: HH 6-23-93 C.K.D.
 DRAWN: GH 6-23-93 C.K.D.
 TRACED: C.K.D.





SUPERELEVATION DIAGRAM

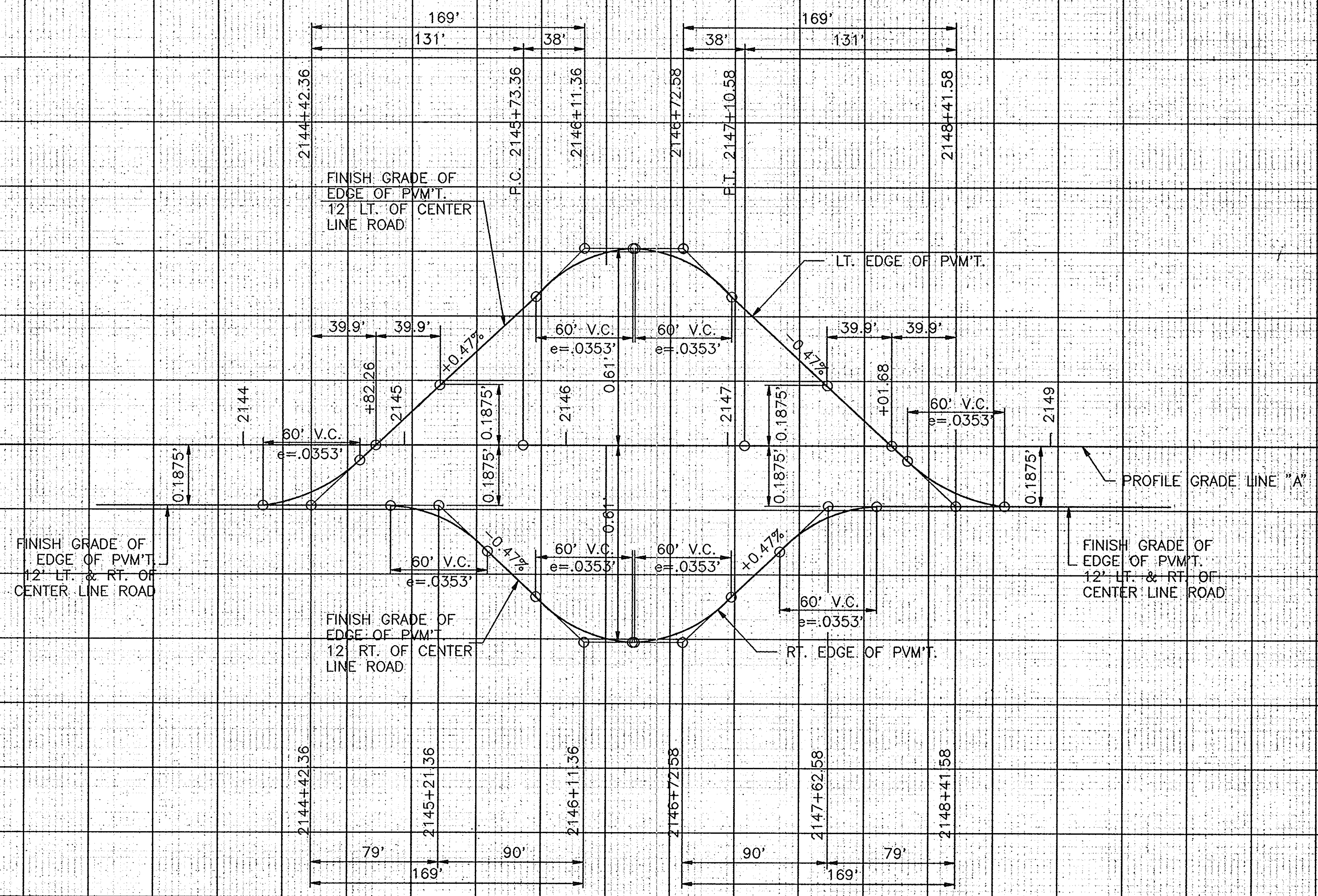
FOR 6.15% CURVE AT
 P.I. STA. 2132+83.34 "PR-1"
 RATE OF SUPER = 0.080 FT./FT.
 SCALE: HORIZ. = 1" = 40'
 VERT. = 1" = 0.2'

CONTRACT NO. B-23063
 SHEET 2 OF 6

LEVEL BOOK NO.		FILE 37-13-7146		
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
5	IND.	RF-95-3(9)	1991	14
				TOTAL SHEETS
				105

LINE "A" / "PR-1"

081 (06/15/92) (2/92)



SUPERELEVATION DIAGRAM

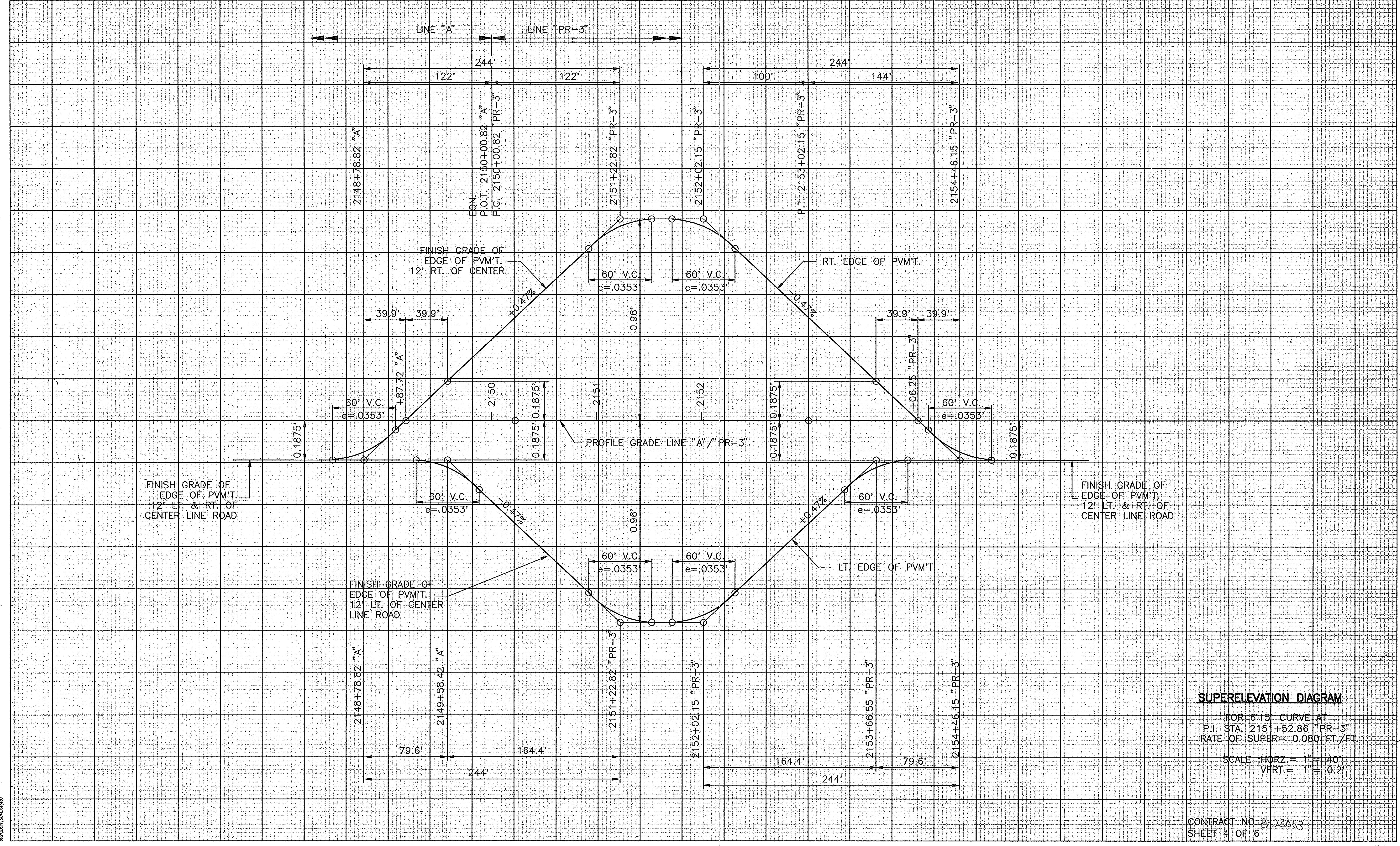
FOR 300' CURVE AT
 P.I. STA. 2146+42.00 "A"
 RATE OF SUPER = 0.061 FT./FT.
 SCALE: HORIZ = 1" = 40'
 VERT. = 1" = 0.2'

CONTRACT NO. B-28063
 SHEET 3 OF 6

LEVEL BOOK NO.		FILE 37-13-7146			
FEDERAL REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	95-3(9)	1991	15	105

LINE "A"

DATE PLOTTED: 10/25/91



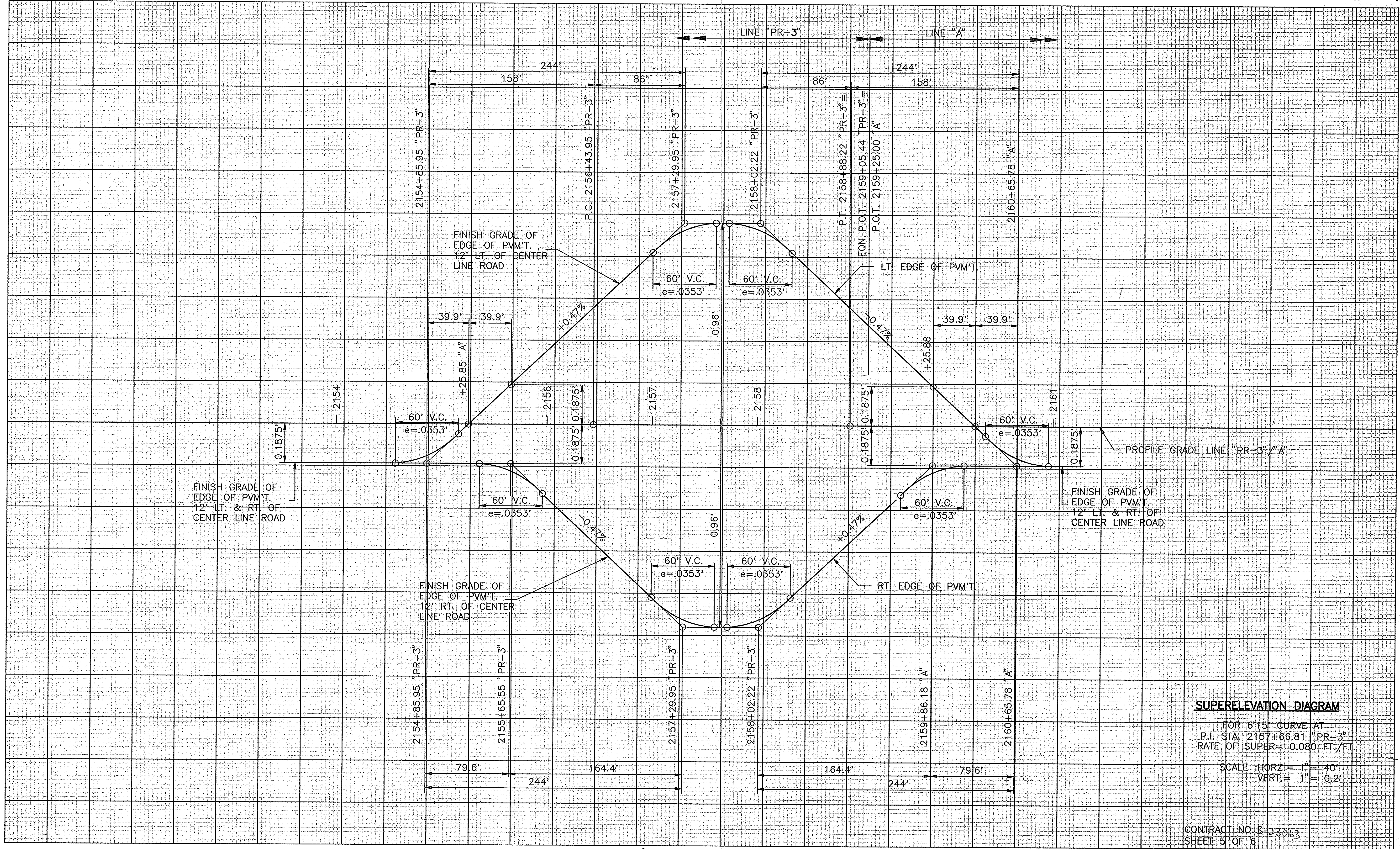
SUPERELEVATION DIAGRAM

FOR 6.15' CURVE AT
 P.I. STA. 2151+52.86 "PR-3"
 RATE OF SUPER = 0.080 FT./FT.
 SCALE: HORIZ. = 1" = 40'
 VERT. = 1" = 0.2'

CONTRACT NO. B-23063
 SHEET 4 OF 6

LEVEL BOOK NO.		FILE 37-13-7146	
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	87-95-3(9)	1991
		SHEET NO.	TOTAL SHEETS
		16	105
LINE "A" / "PR-3"			

DATE: 10/15/91



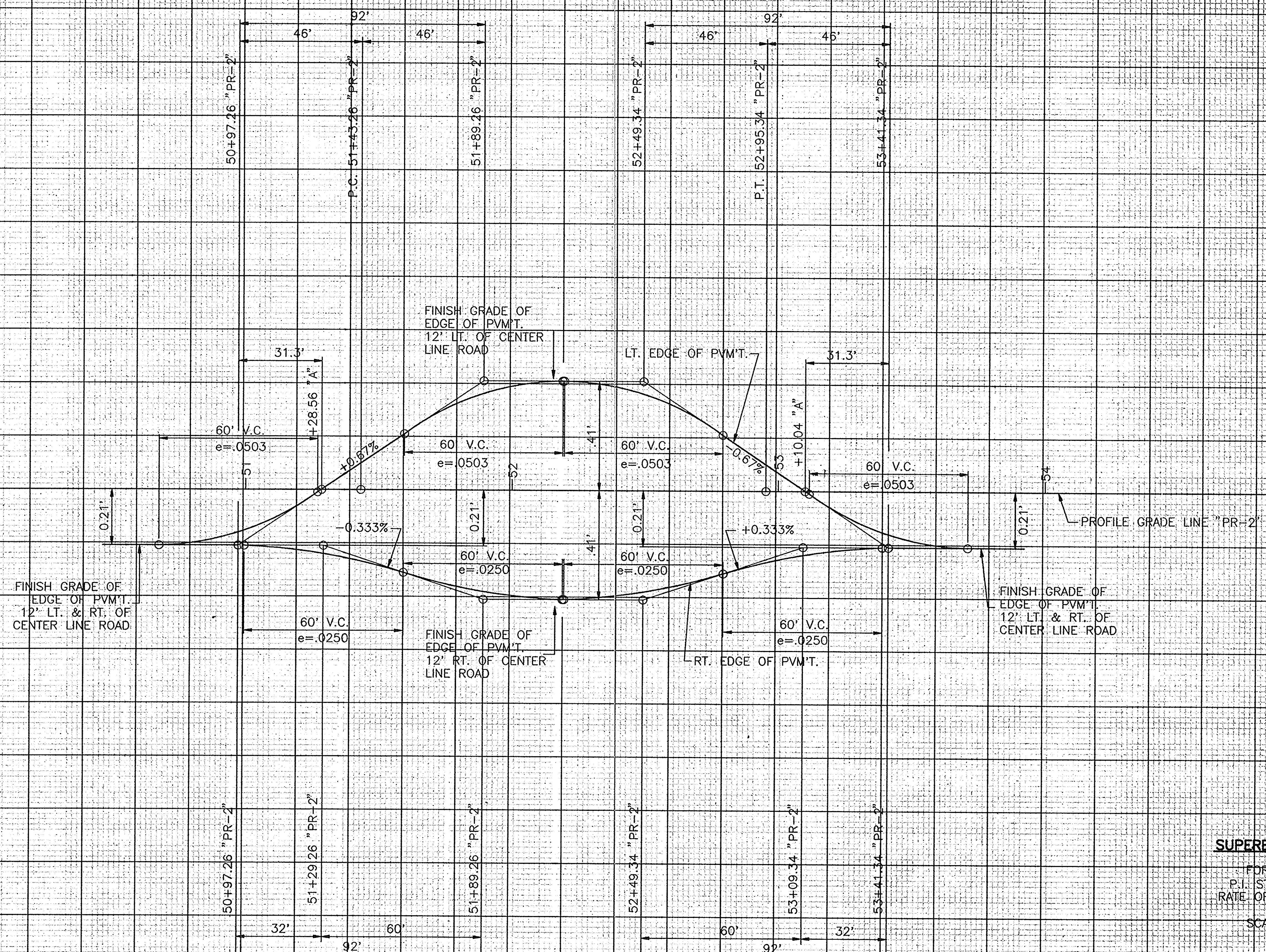
SUPERELEVATION DIAGRAM

FOR 6'15" CURVE AT
 P.I. STA. 2157+66.81 "PR-3"
 RATE OF SUPER = 0.080 FT./FT.
 SCALE: HORIZ. = 1" = 40'
 VERT. = 1" = 0.2'

CONTRACT NO. B-23063
 SHEET 5 OF 6

LEVEL BOOK NO.				FILE 37-13-7146	
FEDERAL REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	B-95-3(9)	1991	17	105
LINE "A" / "PR-3"					

cont. from sheet 4



SUPERELEVATION DIAGRAM

FOR 22.45° CURVE AT
 P.I. STA. 52+21.70 "PR-2"
 RATE OF SUPER= 0.0411 FT./FT.
 SCALE: HORIZ.= 1"= 20'
 VERT.= 1"= 10.2'

CONTRACT NO. B-23063
 SHEET 6 OF 6

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	87-95-3(9)	1991	18	105

FILE 37-13-7146
 LINE "A" / PR-1

001 (10/01/20)

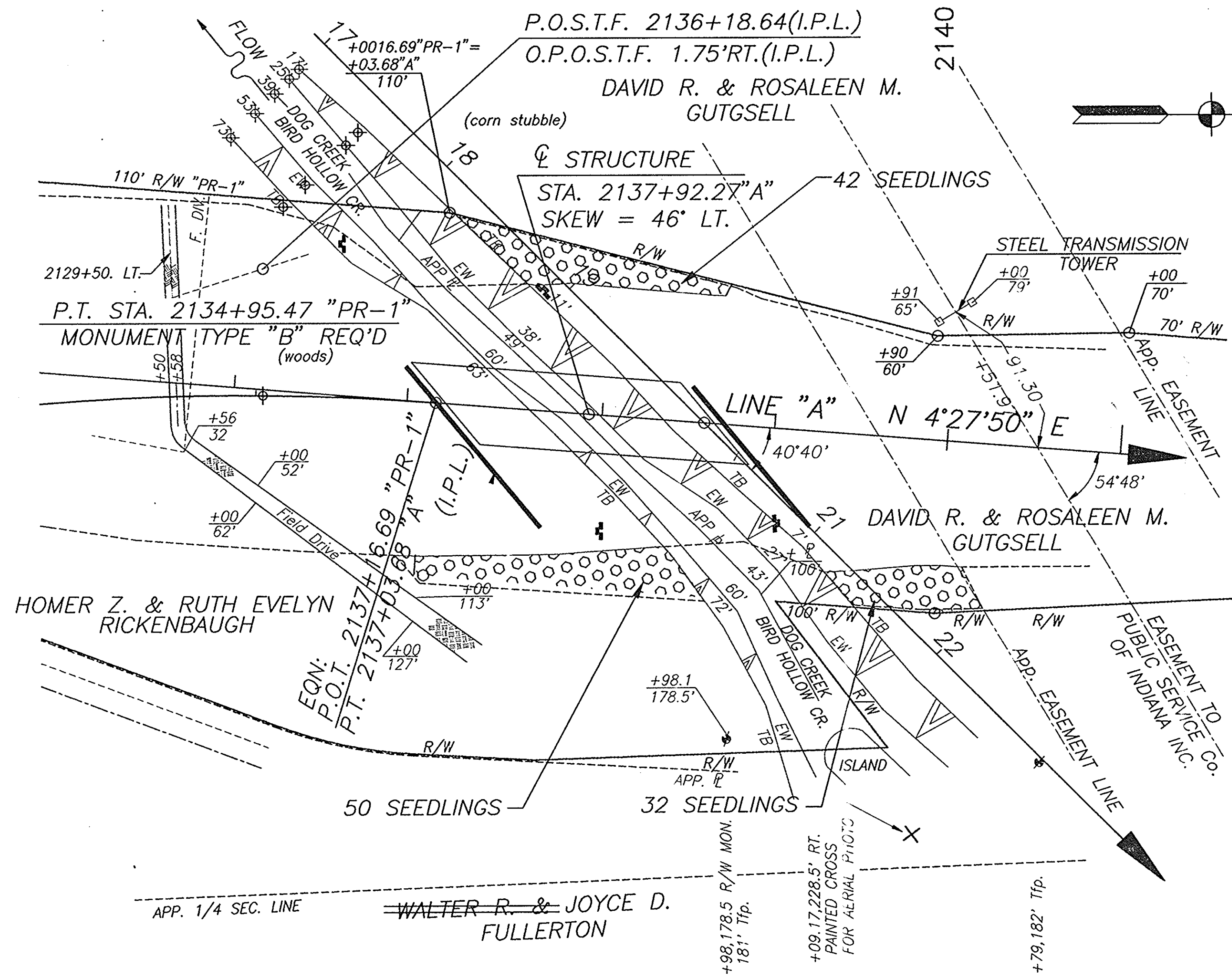


TABLE OF DITCH CHECKS

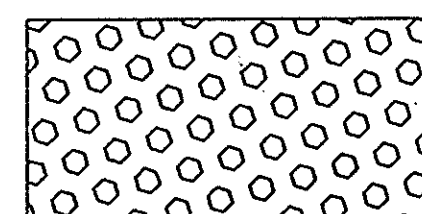
Locations	Ditch Left	Ditch Right
Station Begin	2124+00	2124+00
Station End	2129+00	2129+50
Approximate # Ditch Checks	13	14
Station Begin	2130+00	2130+00
Station End	2137+50	2138+50
Approximate # Ditch Checks	19	22
Station Begin	2138+00	2139+50
Station End	2150+00	2147+50
Approximate # Ditch Checks	31	21
Station Begin	2154+00	N/A
Station End	2157+00	N/A
Approximate # Ditch Checks	8	
Station Begin	2158+50	2157+50
Station End	2160+50	2159+00
Approximate # Ditch Checks	6	5

Approximate # of Ditch Checks 139 (18 lft/each)

EROSION CONTROL

Erosion Control Pay Items
 Temporary Erosion and Sediment Control, Straw Bale Ditch Checks, LFT, 2502
 Temporary Erosion and Sediment Control, Culvert Pipe Protection, Each, 6
 Temporary Erosion and Sediment Control, Perimeter Protection, LFT, 800
 Applicable Standards
 TEC-1, TEC-2, TEC-3, TEC-8, TEC-9, TEC-11

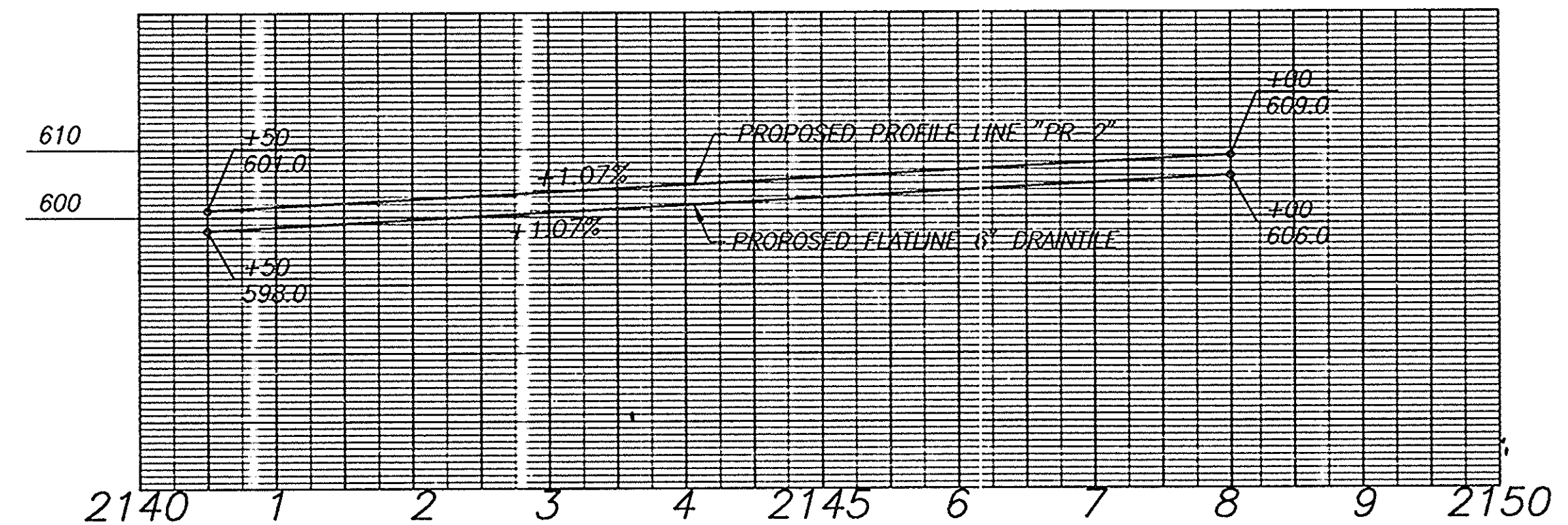
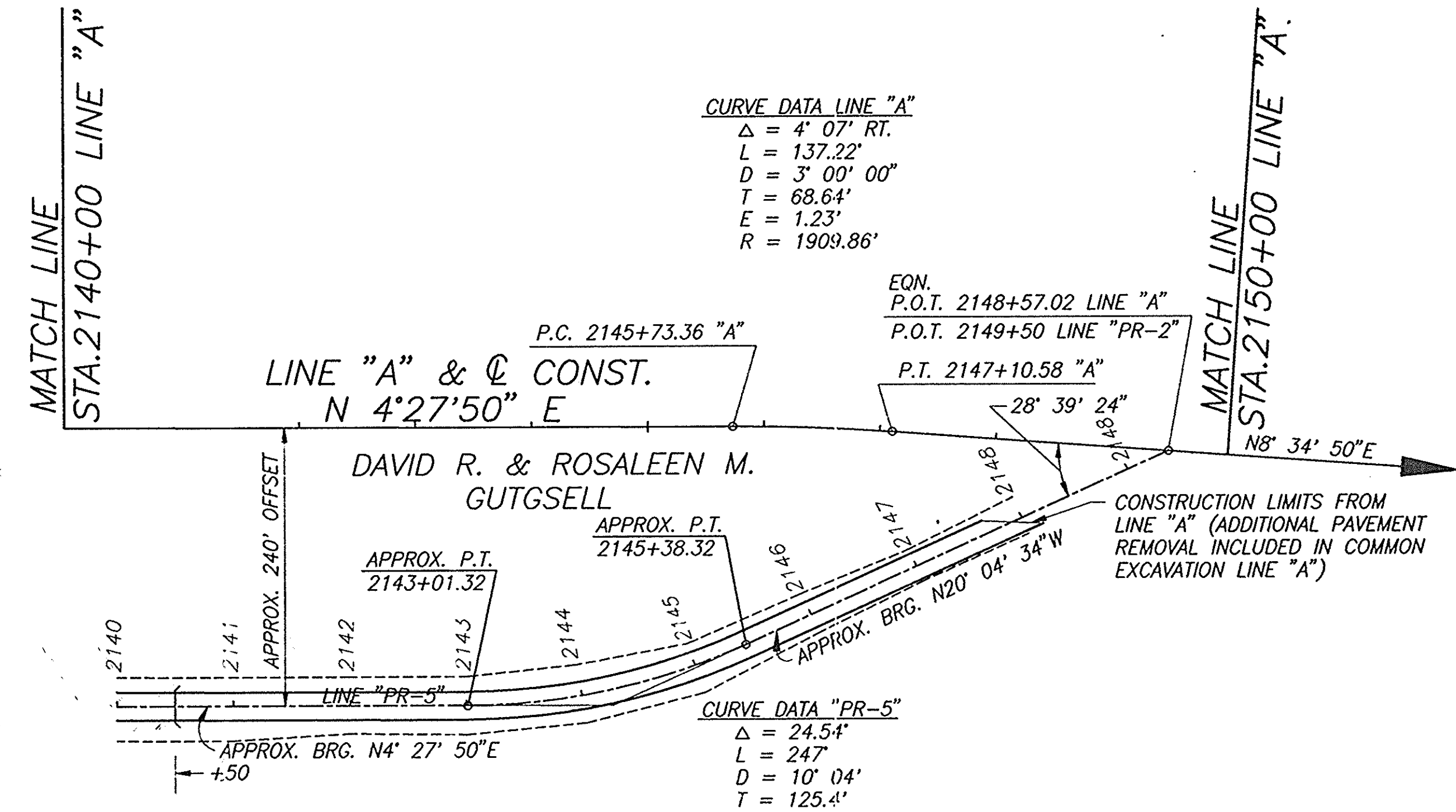
REVEGETATION SCHEME



INDICATES AREA TO BE REVEGETATED

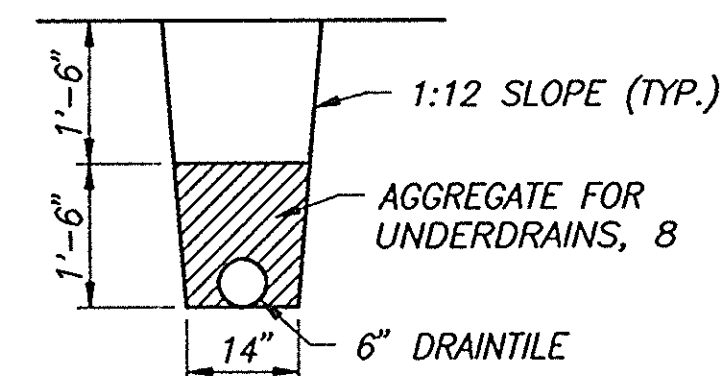
SEEDLING FOR HABITAT REVEGETATION
 5' MINIMUM SPACING
 3 DO NOT MOW OR SPRAY SIGNS.
 124 SEEDLINGS
 3 VARIETIES

VARIETY SELECTION LIST
 VIBURNUM DENTATUM - ARROWWOOD VIB.
 CORNUS RACEMOSA - GRAY DOGWOOD
 CERCIS CANADENSIS - RED BUD
 ACER GINNALA - AMUR MAPLE
 HAMAMELIS VIRGINIANA - COMMON WITCHAZEL
 AMELANCHIER CANADENSIS - SHADBLOW SERVICEBERRY



GRADING PLAN FOR PARCEL NO. 5

- PHASE I REMOVE TOP 1' OF SOIL FROM LINE "A" & "PR-1" (QUANTITY 1300 CYS). STORE IN R/W EAST OF CONSTRUCTION LINE BETWEEN STA. 2134+00 AND 2137+00.
- PHASE II REMOVE SOIL DOWN TO 4' BELOW EXISTING ON LINE "PR-5" (SEE CROSS SECTIONS, AREAS [] AND []).
- PHASE III PLACE FILL TO WITHIN 1' OF FINISHED GRADE LINE (INSTALL DRAINTILE) (AREA []).
- PHASE IV PLACE REMAINING 1' OF SOIL FROM STOCKPILE IN PHASE I (AREA []).



DRAINTILE DETAIL

ESTIMATED QUANTITIES

PHASE I (COMMON EXCAVATION)	1300 CYS. *
PHASE II (COMMON EXCAVATION)	9775 CYS.
PHASE III	4785 CYS.
PIPE, DRAINTILE CLASS STANDARD 6"	875 LFT.
STOCKPILED MATERIAL	1300 CYS.
AGGREGATE FOR UNDERDRAINS, 8"	49 CYS.

NOTE: DIMENSIONS TO BE VERIFIED IN FIELD.

* INCLUDED IN LINE "A"/"PR-1" COMMON EXCAVATION.

**REVEGETATION SCHEME
 EROSION CONTROL &
 GRADING PLAN LINE "PR-5"
 INDIANA DEPARTMENT OF TRANSPORTION**

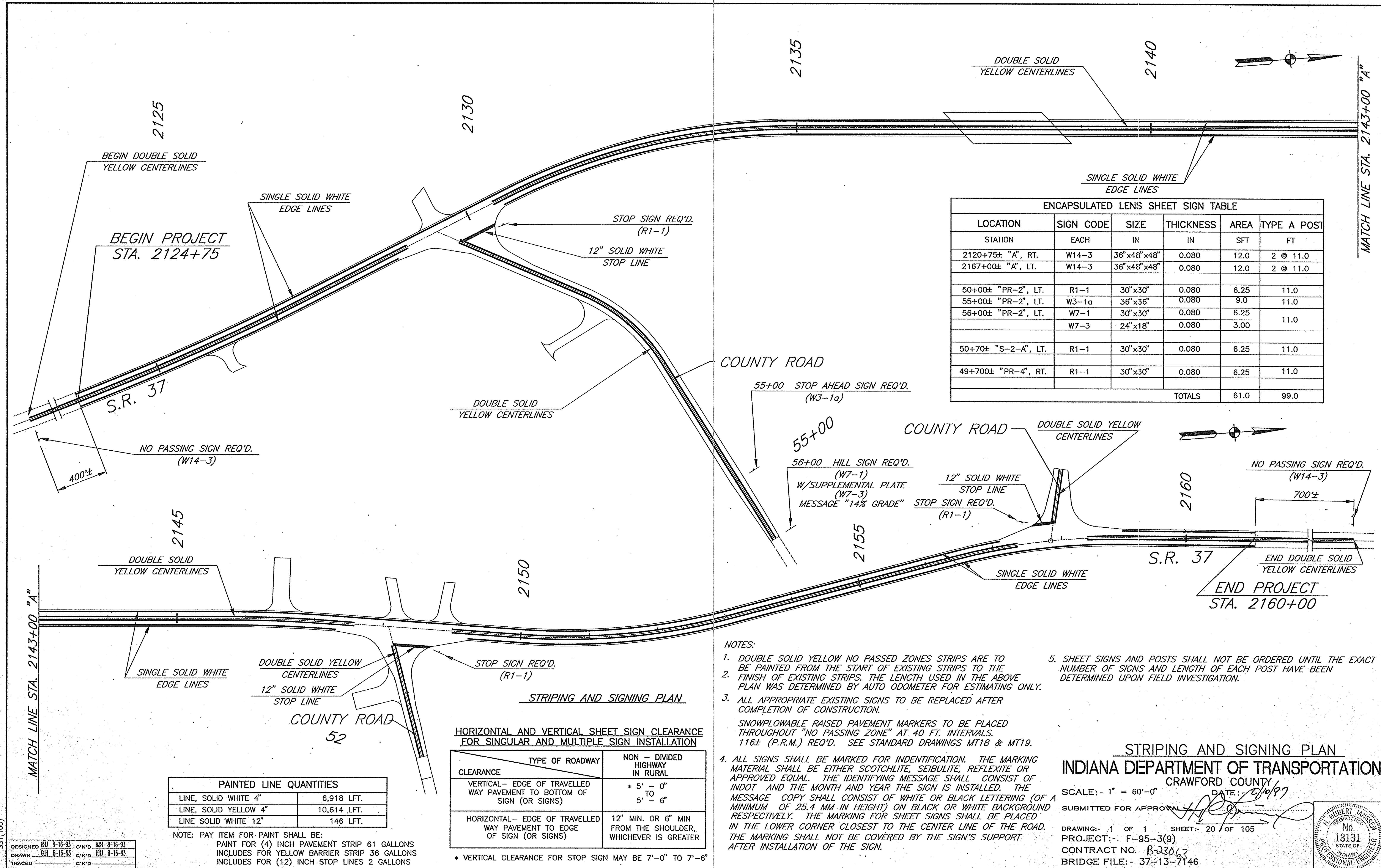
SCALE: NONE

12/20 1996
 DESIGNER

DRAWING: 1 OF 1 SHEET: 19 OF 105
 PROJECT: 37-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: 37-13-7146

002B \ ERCCT(48)

DESIGNED: DJ 4-30-91 CKD MJH 5-1-94
 DRAWN: GH 4-30-91 CKD HJU 5-1-94
 TRACED: CKD



ENCAPSULATED LENS SHEET SIGN TABLE

LOCATION	SIGN CODE	SIZE	THICKNESS	AREA	TYPE A POST
STATION	EACH	IN	IN	SFT	FT
2120+75± "A", RT.	W14-3	36" x 48" x 48"	0.080	12.0	2 @ 11.0
2167+00± "A", LT.	W14-3	36" x 48" x 48"	0.080	12.0	2 @ 11.0
50+00± "PR-2", LT.	R1-1	30" x 30"	0.080	6.25	11.0
55+00± "PR-2", LT.	W3-1a	36" x 36"	0.080	9.0	11.0
56+00± "PR-2", LT.	W7-1	30" x 30"	0.080	6.25	11.0
	W7-3	24" x 18"	0.080	3.00	
50+70± "S-2-A", LT.	R1-1	30" x 30"	0.080	6.25	11.0
49+700± "PR-4", RT.	R1-1	30" x 30"	0.080	6.25	11.0
TOTALS				61.0	99.0

PAINTED LINE QUANTITIES

LINE, SOLID WHITE 4"	6,918 LFT.
LINE, SOLID YELLOW 4"	10,614 LFT.
LINE SOLID WHITE 12"	146 LFT.

NOTE: PAY ITEM FOR PAINT SHALL BE:
 PAINT FOR (4) INCH PAVEMENT STRIP 61 GALLONS
 INCLUDES FOR YELLOW BARRIER STRIP 36 GALLONS
 INCLUDES FOR (12) INCH STOP LINES 2 GALLONS

HORIZONTAL AND VERTICAL SHEET SIGN CLEARANCE FOR SINGULAR AND MULTIPLE SIGN INSTALLATION

CLEARANCE	TYPE OF ROADWAY	NON - DIVIDED HIGHWAY IN RURAL
VERTICAL - EDGE OF TRAVELLED WAY PAVEMENT TO BOTTOM OF SIGN (OR SIGNS)		* 5' - 0" TO 5' - 6"
HORIZONTAL - EDGE OF TRAVELLED WAY PAVEMENT TO EDGE OF SIGN (OR SIGNS)		12" MIN. OR 6" MIN FROM THE SHOULDER, WHICHEVER IS GREATER

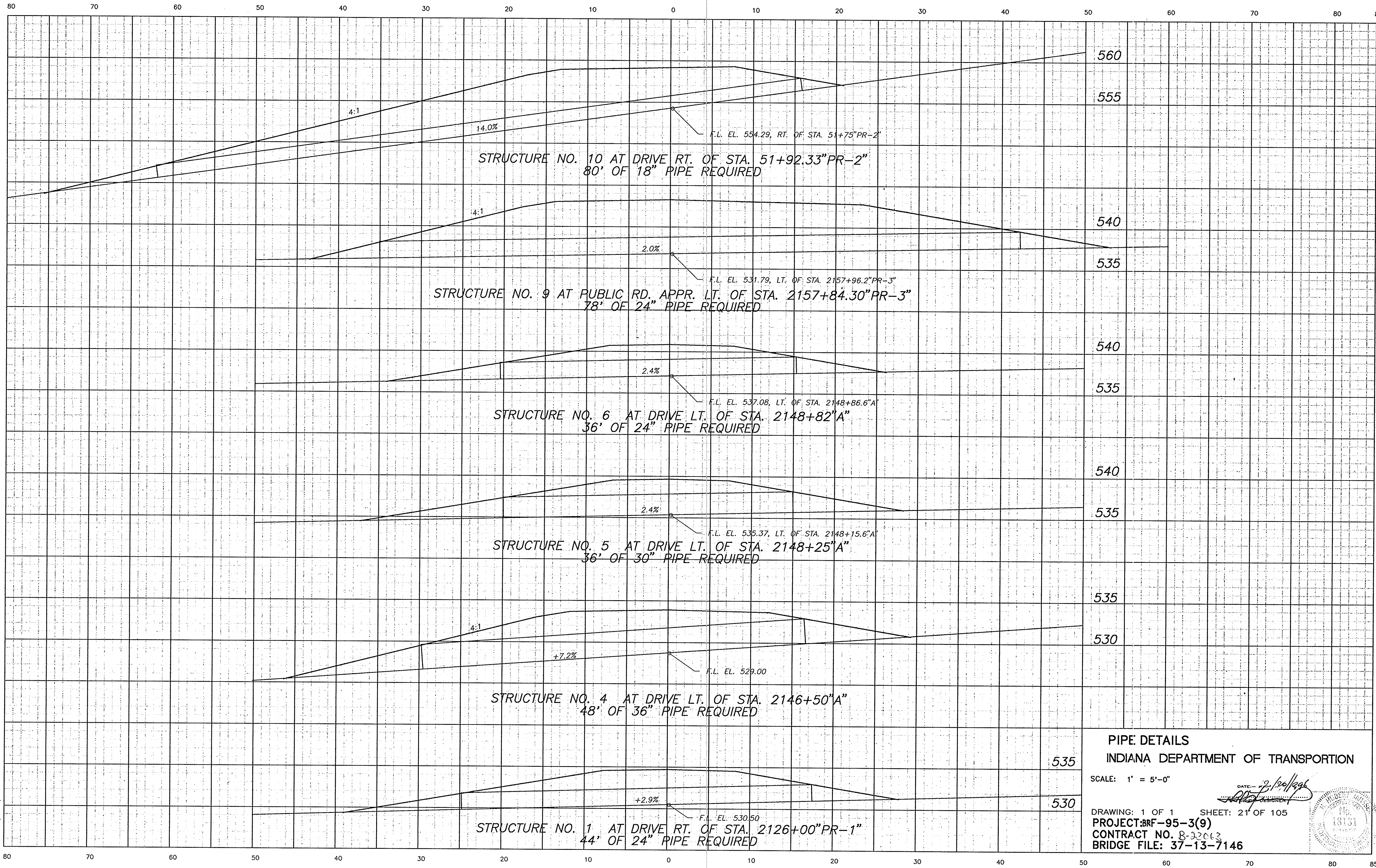
* VERTICAL CLEARANCE FOR STOP SIGN MAY BE 7'-0" TO 7'-6"

- NOTES:**
- DOUBLE SOLID YELLOW NO PASSED ZONES STRIPS ARE TO BE PAINTED FROM THE START OF EXISTING STRIPS TO THE FINISH OF EXISTING STRIPS. THE LENGTH USED IN THE ABOVE PLAN WAS DETERMINED BY AUTO ODOMETER FOR ESTIMATING ONLY.
 - ALL APPROPRIATE EXISTING SIGNS TO BE REPLACED AFTER COMPLETION OF CONSTRUCTION. SNOWPLOWABLE RAISED PAVEMENT MARKERS TO BE PLACED THROUGHOUT "NO PASSING ZONE" AT 40 FT. INTERVALS. 116± (P.R.M.) REQ'D. SEE STANDARD DRAWINGS MT18 & MT19.
 - ALL SIGNS SHALL BE MARKED FOR IDENTIFICATION. THE MARKING MATERIAL SHALL BE EITHER SCOTCHLITE, SEIBULITE, REFLEXITE OR APPROVED EQUAL. THE IDENTIFYING MESSAGE SHALL CONSIST OF INDOT AND THE MONTH AND YEAR THE SIGN IS INSTALLED. THE MESSAGE COPY SHALL CONSIST OF WHITE OR BLACK LETTERING (OF A MINIMUM OF 25.4 MM IN HEIGHT) ON BLACK OR WHITE BACKGROUND RESPECTIVELY. THE MARKING FOR SHEET SIGNS SHALL BE PLACED IN THE LOWER CORNER CLOSEST TO THE CENTER LINE OF THE ROAD. THE MARKING SHALL NOT BE COVERED BY THE SIGN'S SUPPORT AFTER INSTALLATION OF THE SIGN.
 - SHEET SIGNS AND POSTS SHALL NOT BE ORDERED UNTIL THE EXACT NUMBER OF SIGNS AND LENGTH OF EACH POST HAVE BEEN DETERMINED UPON FIELD INVESTIGATION.

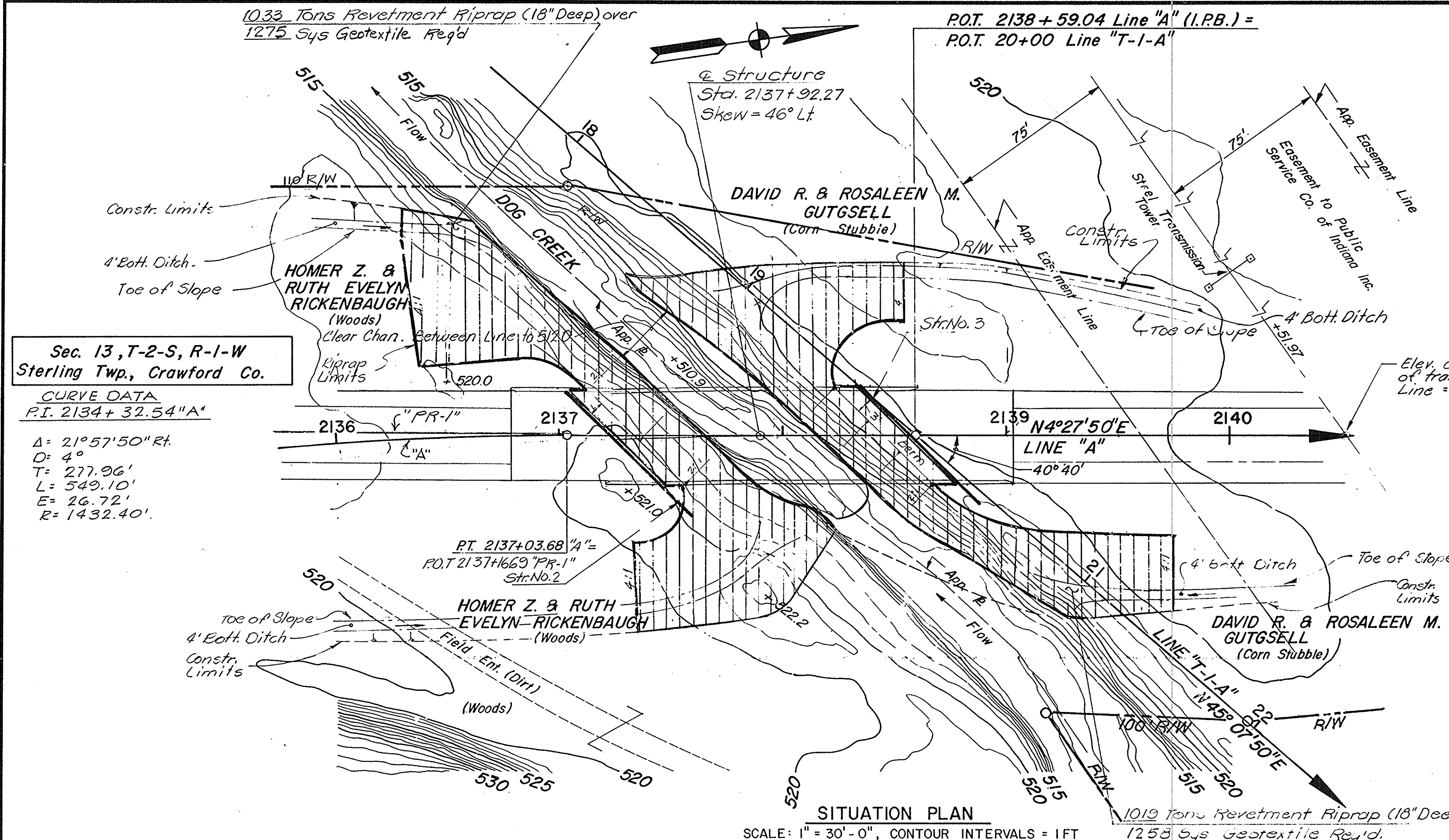
STRIPING AND SIGNING PLAN
INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY
 SCALE: - 1" = 60'-0"
 DATE: 8/10/97
 SUBMITTED FOR APPROVAL: [Signature]
 DRAWING: - 1 OF 1 SHEET: - 20 OF 105
 PROJECT: - F-95-3(9)
 CONTRACT NO. B-230.7
 BRIDGE FILE: - 37-13-7146

HUBERT JANSSEN
 No. 18131
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

DESIGNED: [Signature] 8-16-93
 DRAWN: [Signature] 8-16-93
 TRACED: [Signature] 8-16-93



PIPE DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION
SCALE: 1" = 5'-0"
DATE: 2/20/95
DRAWING: 1 OF 1 SHEET: 21 OF 105
PROJECT: BRF-95-3(9)
CONTRACT NO. 8-22063
BRIDGE FILE: 37-13-7146

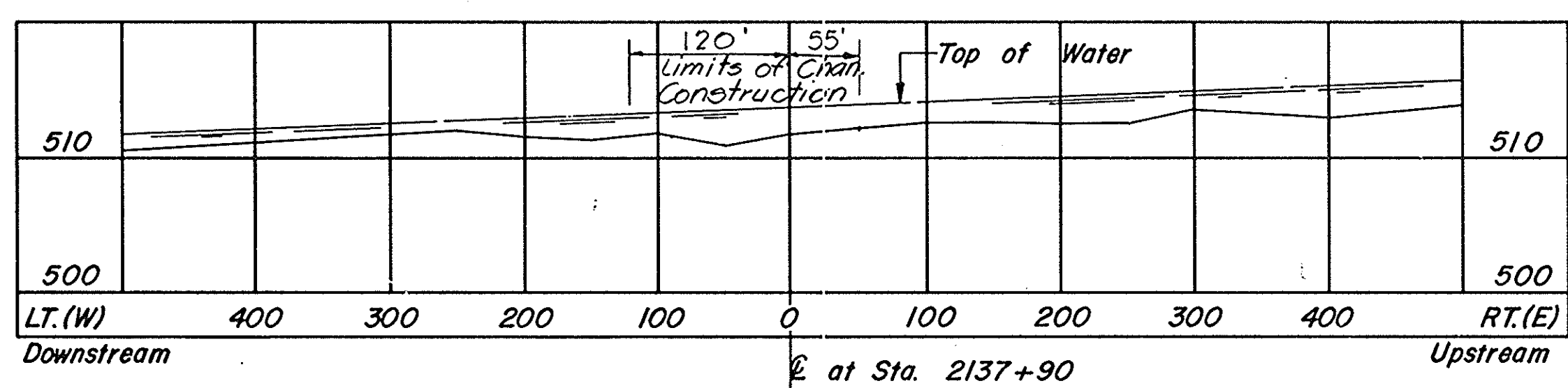
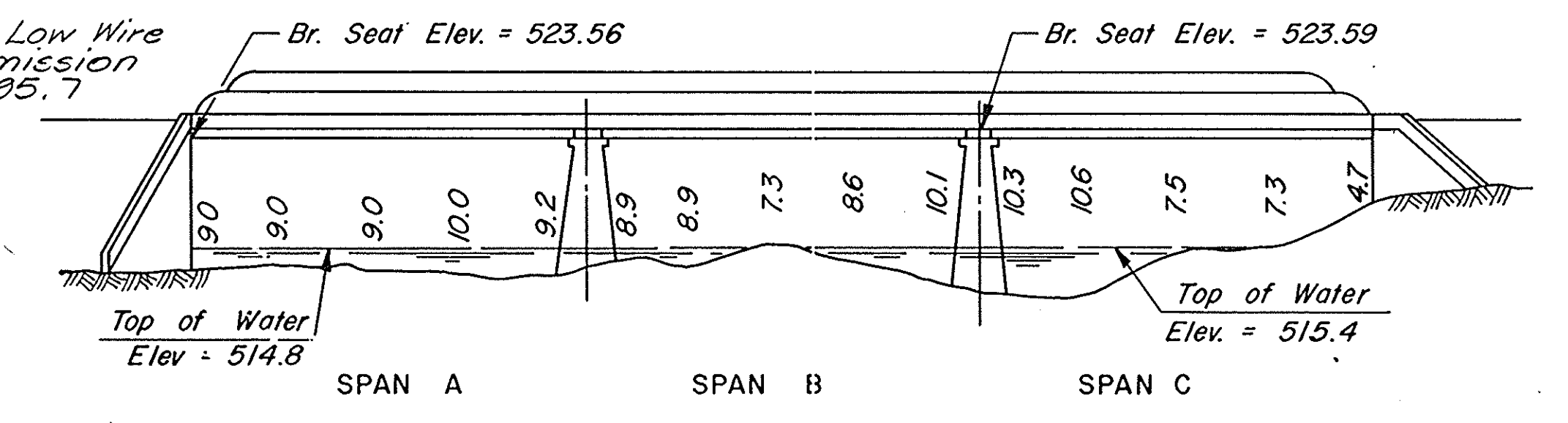


UTILITY OWNERS	
Electricity: Public Service Co. of Ind., Inc. 1000 E. Main St. Plainfield, Ind.	Water: Town of English Town Hall English, Ind.
Telephone: Continental Telephone Co. 201 W. 6th St. Jasper, Ind.	Cable T.V.: Whitney Cablevision of Ind. 103 N. St. Loogootee, Ind.

NOTE: See Road Plan & Profile Sheets for References

PRESENT STRUCTURE

The Present Structure was State Built in 1925 & Widened in 1964 as an R.C.G. & P.C.B.B., 3 Spans at 28'-0", with a Clear Roadway Width of 42'-0".



STREAM PROFILE

HYDRAULIC DATA

Water Way Area Required	=	692	Sq. Ft. Below 524.4 El.
Water Way Area Provided	=	692	Sq. Ft. Below 524.4 El.
Drainage Area	=	9.4	Sq. Mi.
Design Discharge (Q100)	=	6400	C.F.S.
High Water Elevation (Q100)	=	524.4	Ft. M.S.L.
Min. Low Structure Elevation	=	525.4	Ft. M.S.L.
Clear Channel Elevation	=	512.0	Ft. M.S.L.
Velocity (Q100)	=	9.3	Ft./Sec.
Backwater (Q100)	=	0.9	Ft.

LAYOUT

46° LT. SKEW
3 SPANS: 46'-4", 47'-1", 46'-4"
36'-0" CLEAR ROADWAY
S.R. 37 OVER DOG CREEK

INDIANA DEPARTMENT OF HIGHWAYS

CRAWFORD COUNTY

SCALE: AS NOTED

DATE: 12/20/1986

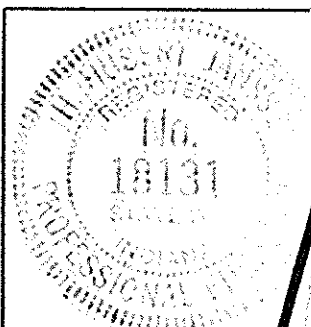
SENIOR DESIGNER

DRAWING: C1 OF 14 SHEET: 23 OF 105

PROJECT: BR-95-3 (9)

CONTRACT NO. B-23063

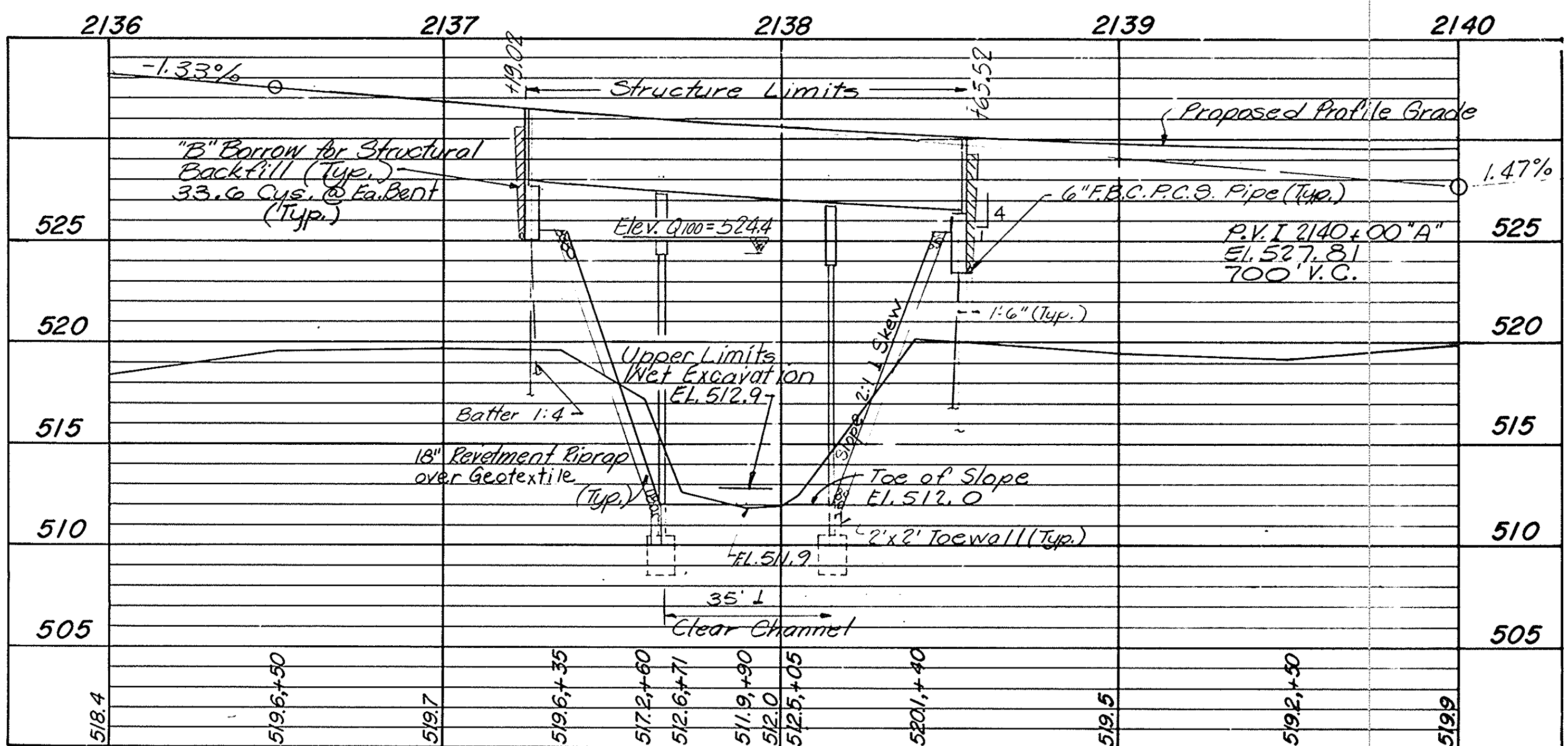
BRIDGE FILE: 37-13-7146



Sec. 13, T-2-S, R-1-W
Sterling Twp., Crawford Co.

CURVE DATA
P.I. 2134+32.54 "A"
Δ = 21° 57' 50" Rt.
D = 4°
T = 277.96'
L = 549.10'
E = 26.72'
R = 1432.40'

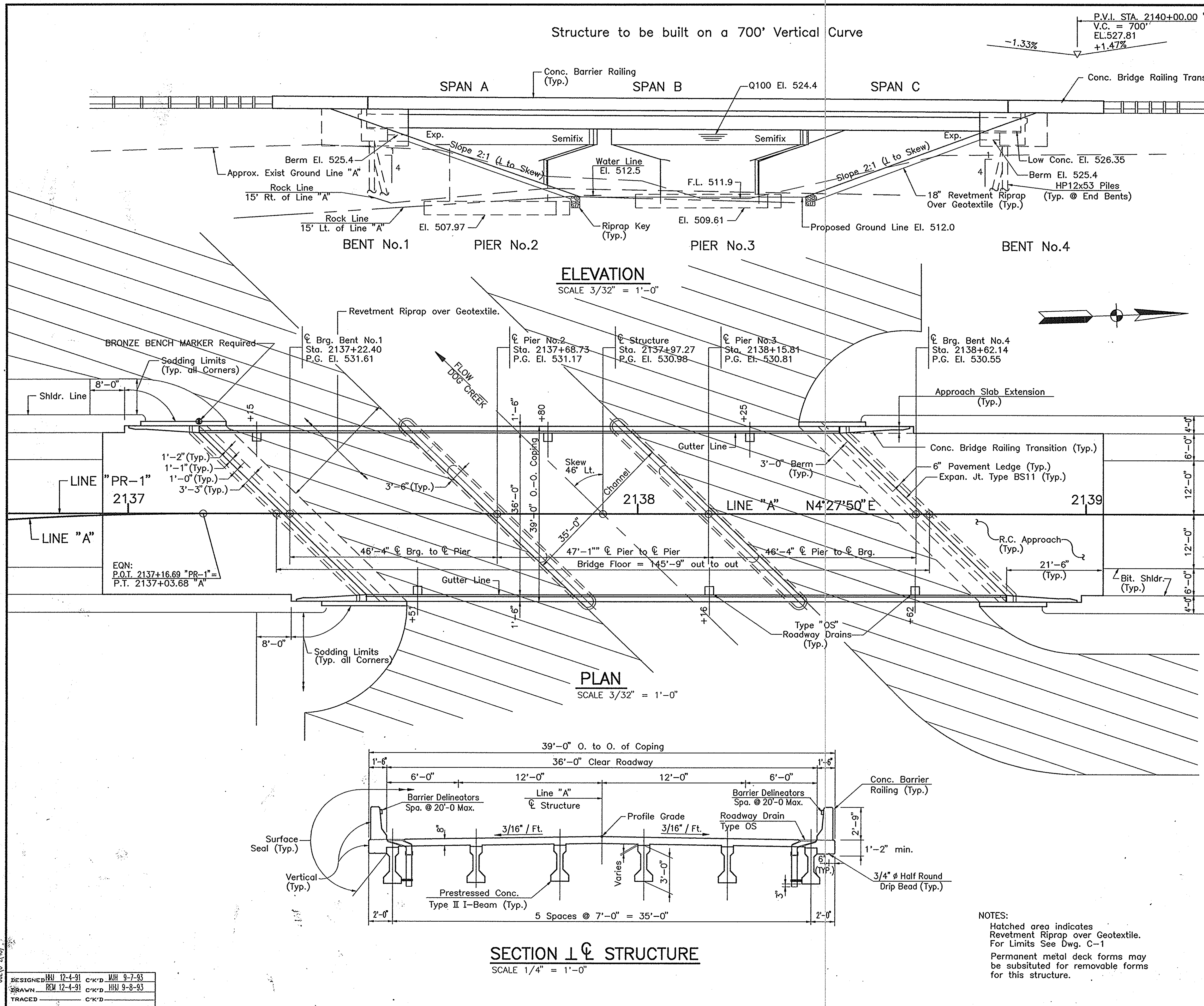
SITUATION PLAN
SCALE: 1" = 30'-0", CONTOUR INTERVALS = 1 FT



PROFILE ON PROPOSED ROADWAY
SCALE: HORIZ. 1" = 30'-0", VERT. 1" = 5'-0"

DESIGNED: HJJ 99
DRAWN: LAO 99
TRACED: CKD

NOTE: FIELD NOTES BOOK BR-2855



- GENERAL NOTES:**
- NO STRUCTURE PRESENT AT PROPOSED BRIDGE SITE.
 - PILES SHALL HAVE MINIMUM BEARING VALUE OF 70 TONS. DETERMINE PILE LENGTHS BY ARTICLE 701 OF THE SPECIFICATIONS.
 - FOR DETAILS OF STEEL HP PILES, SEE BRIDGE STANDARDS C1 AND C4 AND APPLICABLE ARTICLES IN THE SPECIFICATIONS.
 - PILES SHALL BE DRIVEN TO REFUSAL.
 - TIPS OF PILES SHALL BE EQUIPPED WITH DRIVING POINTS.
 - CHAMFER EXPOSED EDGES 1", UNLESS NOTED. BEVEL FORMS 1/4" UNDER COPINGS.
 - REINFORCING STEEL COVER SHALL BE 2 1/2" IN TOP AND 1" MINIMUM IN BOTTOM OF FLOOR SLABS, 3" IN FOOTINGS EXCEPT BOTTOM OF FOOTINGS WHICH SHALL BE 4", AND 2" IN ALL OTHER PARTS, UNLESS NOTED.
 - CONCRETE IN FOOTINGS, WING WALLS AND PIER STEMS TO CONSTRUCTION JOINT, TO BE CLASS "B".
 - CONCRETE IN SUPERSTRUCTURE AND RAILING TO BE CLASS "C".
 - CONCRETE IN END BENTS, BENT CAPS AND TOP OF PIER CAP DOWN TO CONSTRUCTION JOINT, IN PAVED SIDE, PAVED SIDE DITCHES, PIPE COLLARS AND PIPE ANCHORS TO BE CLASS "A".
 - CONTINUOUS CONCRETE POURS SHALL BE REQUIRED BETWEEN CONSTRUCTION JOINTS AS SHOWN ON DETAIL PLANS.
 - CONSTRUCT 18" REVETMENT RIPRAP AT LOCATIONS SHOWN ON LAYOUT PLAN.
 - TOLERANCE IN POSITION OF PILE HEAD: MAXIMUM 2".
 - ALL SURFACES OF CONCRETE BARRIER RAIL, ALL EXPOSED SURFACES OF WING WALLS, THE TOP OF PIER AND END BENT CAPS, FRONT FACE OF MUDWALLS, FACE OF END DIAHRAGMS, TOP OF DECK, FACE OF COPING, UNDERSIDE OF THE BRIDGE FLOOR FROM COPING TO OUTSIDE FACE OF EXTERIOR BEAMS TO BE SURFACE SEALED.
 - LUMP SUM (ESTIMATED QUANTITY = 8723 SF.)
 - BARRIER RAILING TO BE CONSTRUCTED VERTICAL, PERPENDICULAR TO GRADE.
 - FOR PAY ITEMS COVERING THIS STRUCTURE, SEE ESTIMATE OF QUANTITIES.
 - SEE SPECIAL PROVISIONS FOR ITEMS LISTED IN THIS CONTRACT.
 - WATERPROOF BACKS OF END BENTS, MUDWALLS, WING WALLS IN ACCORDANCE WITH ARTICLE 702.22 OF THE SPECIFICATIONS.
 - STANDARD TYPE "OS" ROADWAY DRAINS WITH GRATE "D" TO BE PLACED AS SHOWN.

STANDARD DRAWINGS			
BRIDGE	ROAD	TRAFFIC	PURPOSE
C1			REINFORCING BAR NOTES, PILE
C3			TY. BS EXP. JT. JA JT., CONSTR. JT. TY "A"
D			TYPE "OS" DRAINS
PB2			TYPE II I-BEAMS
PB10			PRESTRESSED BEAM TOLERANCES
PB11			ELASTOMERIC BEARING PADS TYPE 2
S1			"B" BORROW FOR STRUCTURE BACKFILL
BR-1,1A			TRANSITION TYPE TGB
	RCBA-1		REINFORCED CONCRETE BRIDGE APPROACH
	RCBA-2		REINFORCED CONCRETE BRIDGE APPROACH
	MA		R/W MARKERS, MONUMENTS
	MB		PAVED SIDE DITCH AND SODDED DITCH
	ME1		CONCRETE ANCHORS
	ME2		END SECTIONS
	MH1		CLASS II AND IV DRIVES
	MH3		MAIL BOXES & APPROACH
	MI		PUBLIC ROAD, APPROACH TYPE "A"
	MN		BACKFILL FOR STRUCTURES
	MP		PIPES
	MU		PIPE COLLAR FOR PIPE EXTENSION
	2,2A,2A1,3,3A,4,4,5		STANDARD DETOUR SIGNS
	G-1,2,3		GUARDRAIL, W-BEAM
	E-1		GUARDRAIL END TREATMENT TYPE 1
	T-1		GUARDRAIL TRANSITION TYPE TGB
	MT3,MT4A		SIGN REFLECTORIZATION SCHEDULE
	MT18,19		RAISED PAVEMENT MARKERS
	TE-1,2,3,8,9,11		TEMP. EROSION CONTROL

GENERAL PLAN
CONTINUOUS PRECAST PRESTRESSED I-BEAM BRIDGE
3 SPANS: 46'-4", 47'-1", 46'-4"
SKEW: 46° LT.
S.R. 37 OVER DOG CREEK
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY

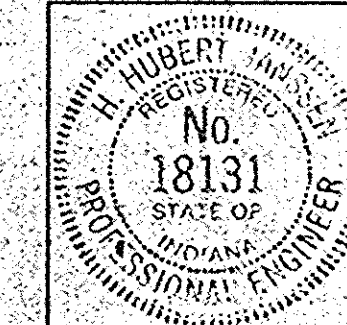
SCALE: - AS NOTED UN DATE: - 1/27/97

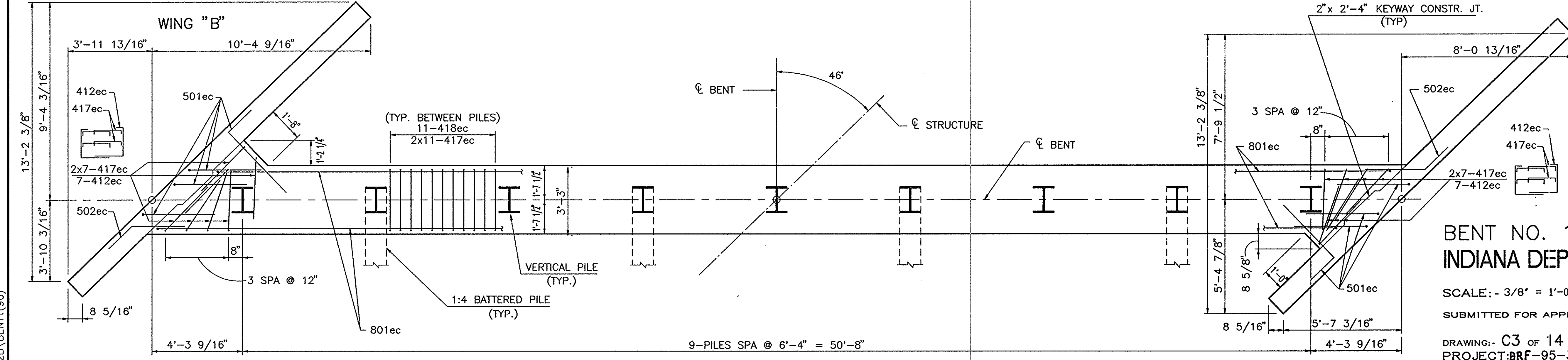
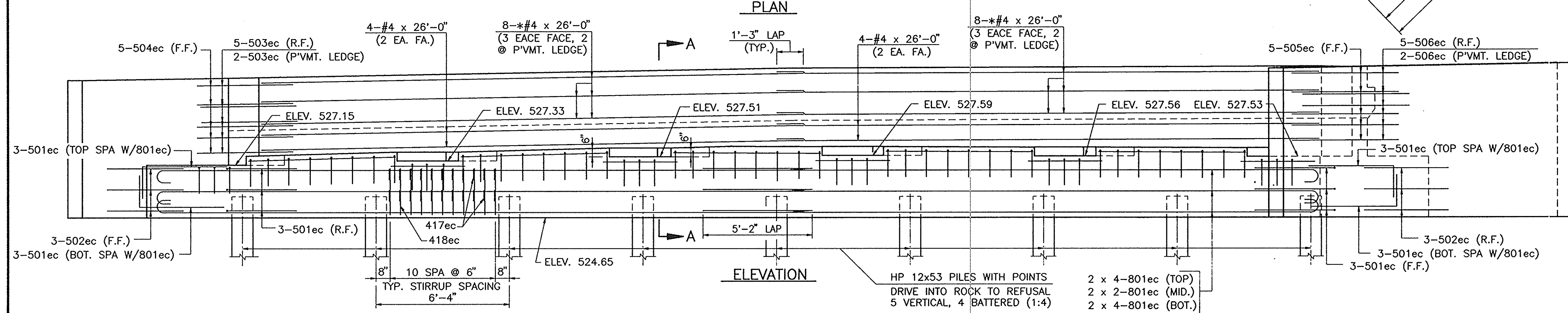
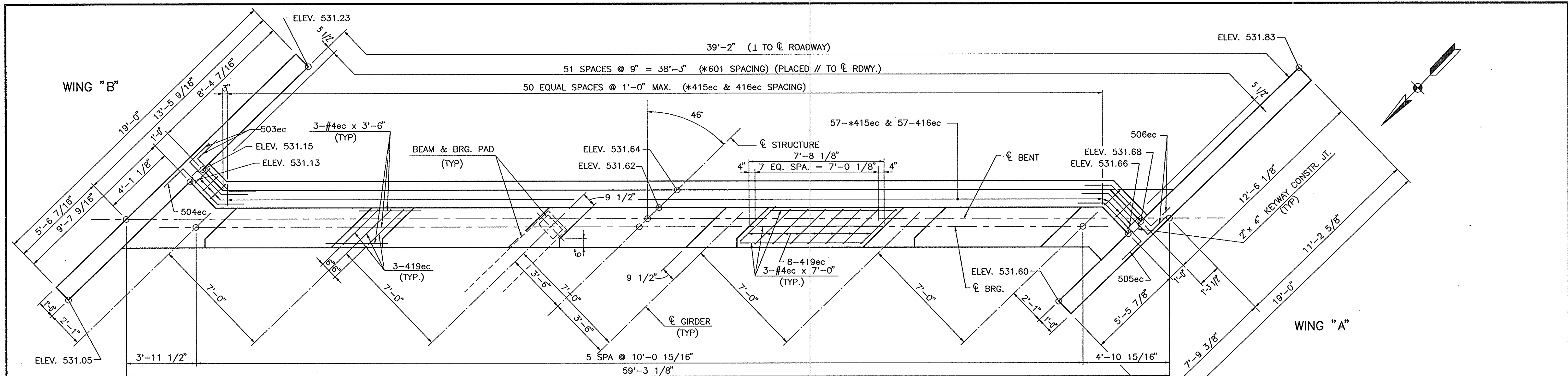
SUBMITTED FOR APPROVAL *[Signature]*

DRAWING: - C2 OF 14 SHEET: - 24 OF 105
PROJECT: - F-95-3(9)
CONTRACT NO.
BRIDGE FILE: - 37-13-7146

NOTES:
Hatched area indicates
Revetment Riprap over Geotextile.
For Limits See Dwg. C-1
Permanent metal deck forms may
be substituted for removable forms
for this structure.

DESIGNED: RM 12-4-91 C.K.D. J.H. 9-7-93
DRAWN: RM 12-4-91 C.K.D. J.H. 9-8-93
TRACED: C.K.D.





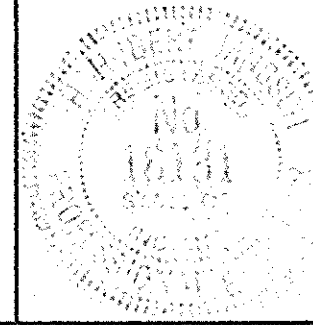
NOTES:

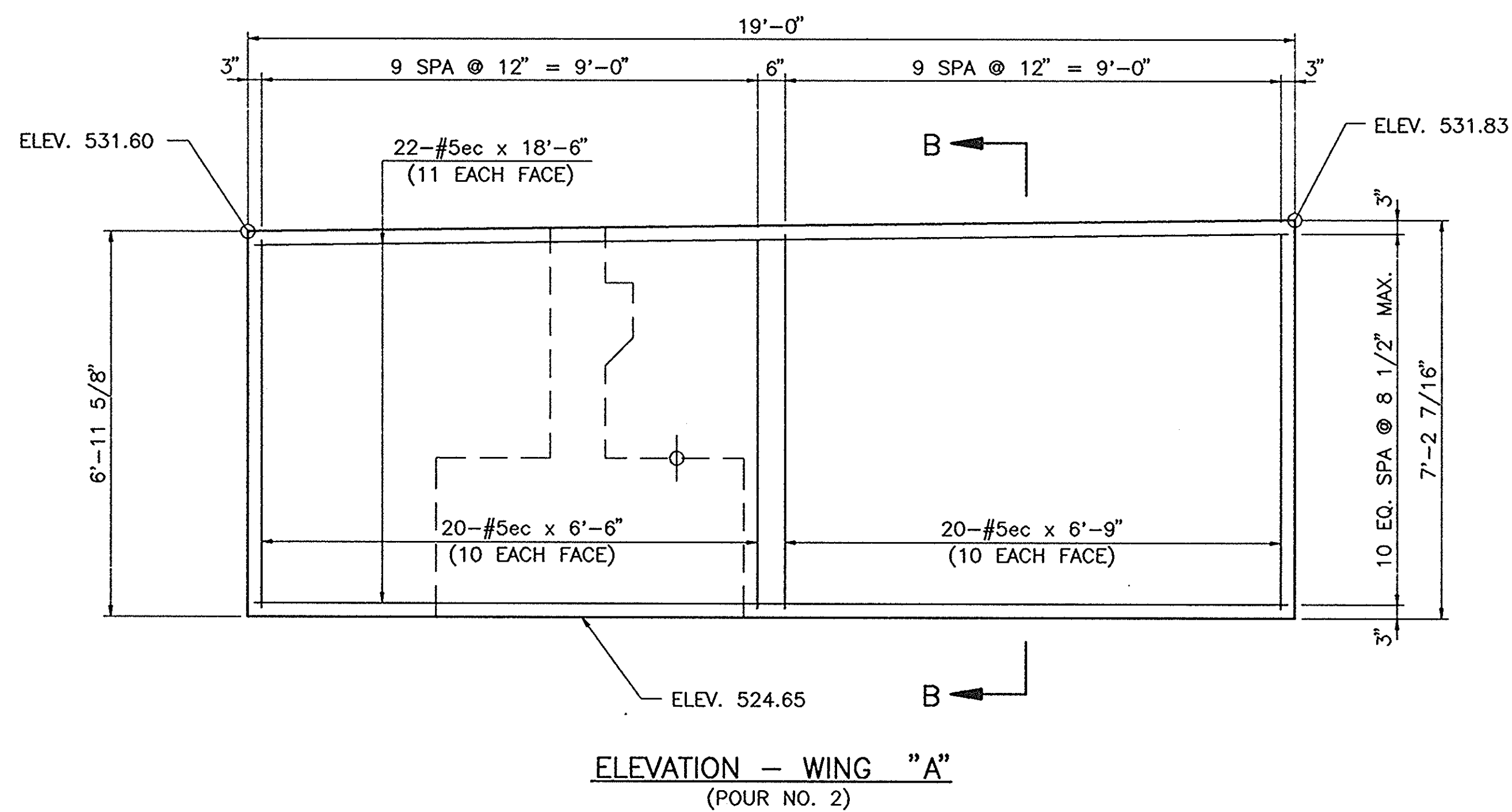
- SEE BR. STD. C1 FOR REINFORCING NOTES.
- SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".
- FOR SECTION "A-A" AND WING "A" & "B" DETAILS SEE DWG. C4.
- FOR BILL OF MATERIALS SEE DWG. C4.
- * THESE BARS TO BE BILLED WITH SUPERSTRUCTURE, SEE DWG. C12.

BENT NO. 1 DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY
 SCALE: - 3/8" = 1'-0"
 DATE: 11/20/86
 SUBMITTED FOR APPROVAL: [Signature]
 DRAWING: C3 OF 14 SHEET: 25 OF 105
 PROJECT: BRF-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: - 37-13-7146

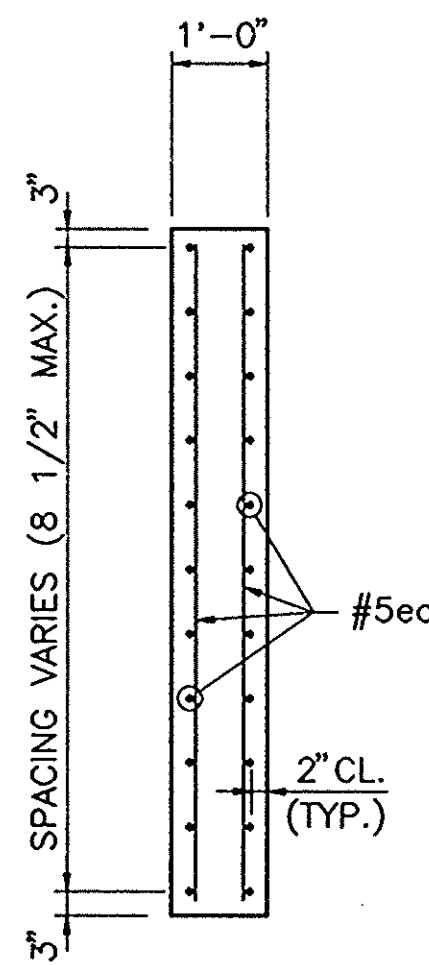
002B/BENT1(96)

DESIGNED: M.H. 3-03-92 C.K.D. H.H.J. 3-03-92
 DRAWN: G.H. 3-03-92 C.K.D. M.H. 3-03-92
 TRACED: C.K.D.

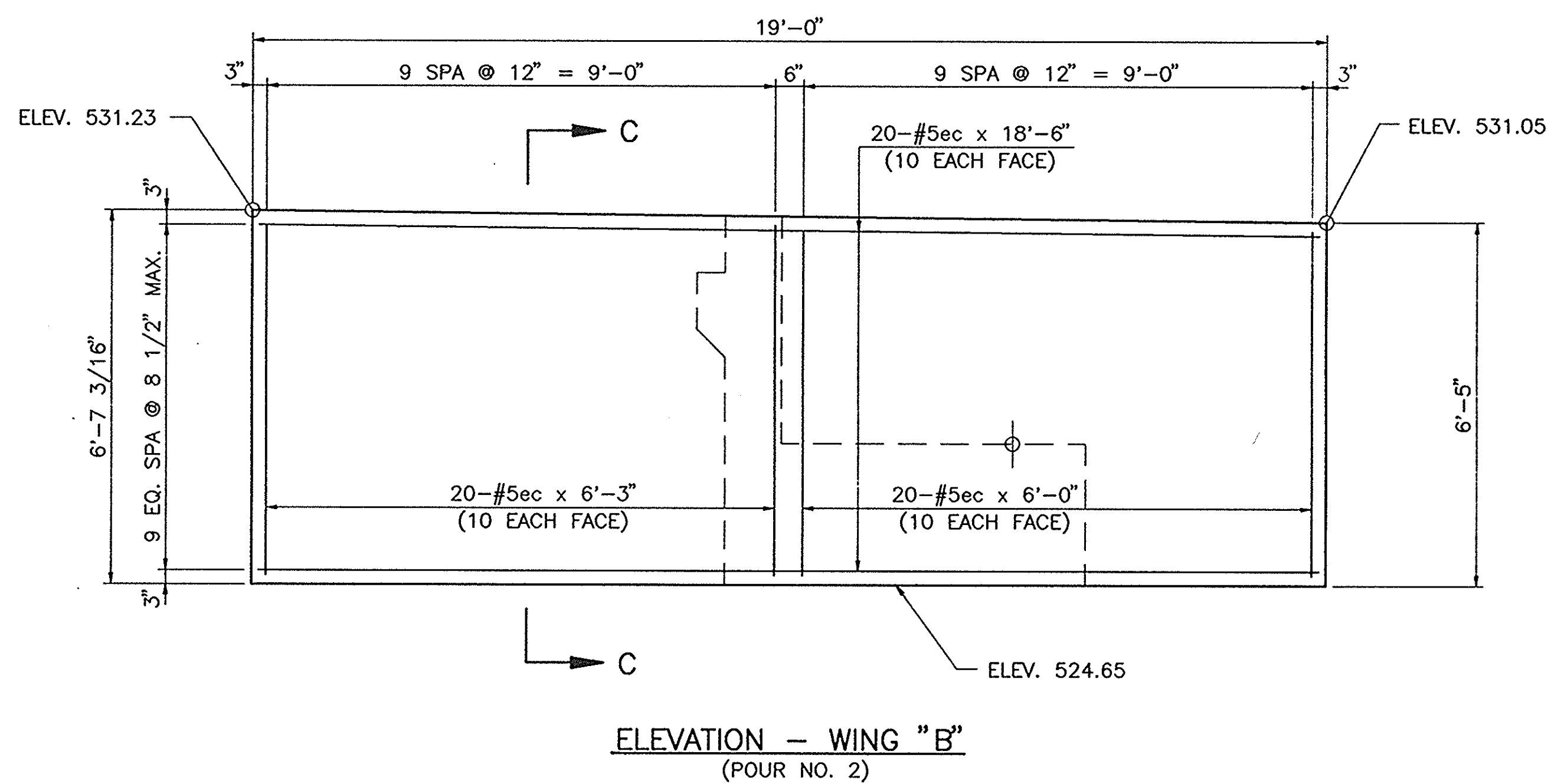




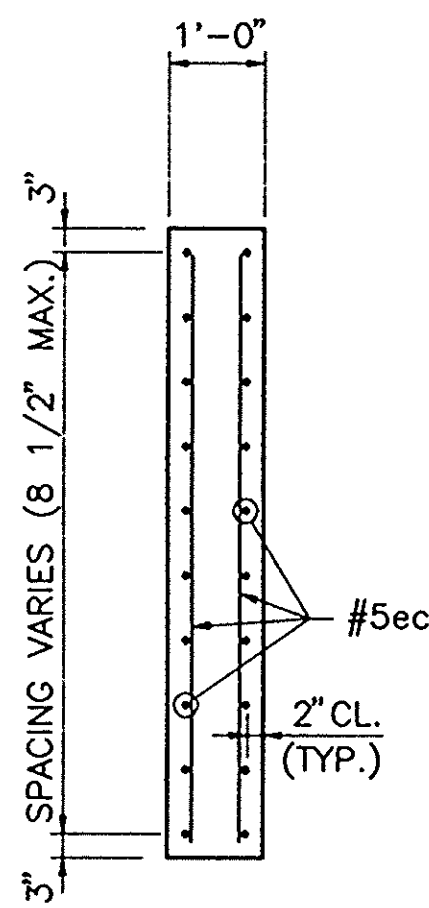
ELEVATION - WING "A"
(POUR NO. 2)



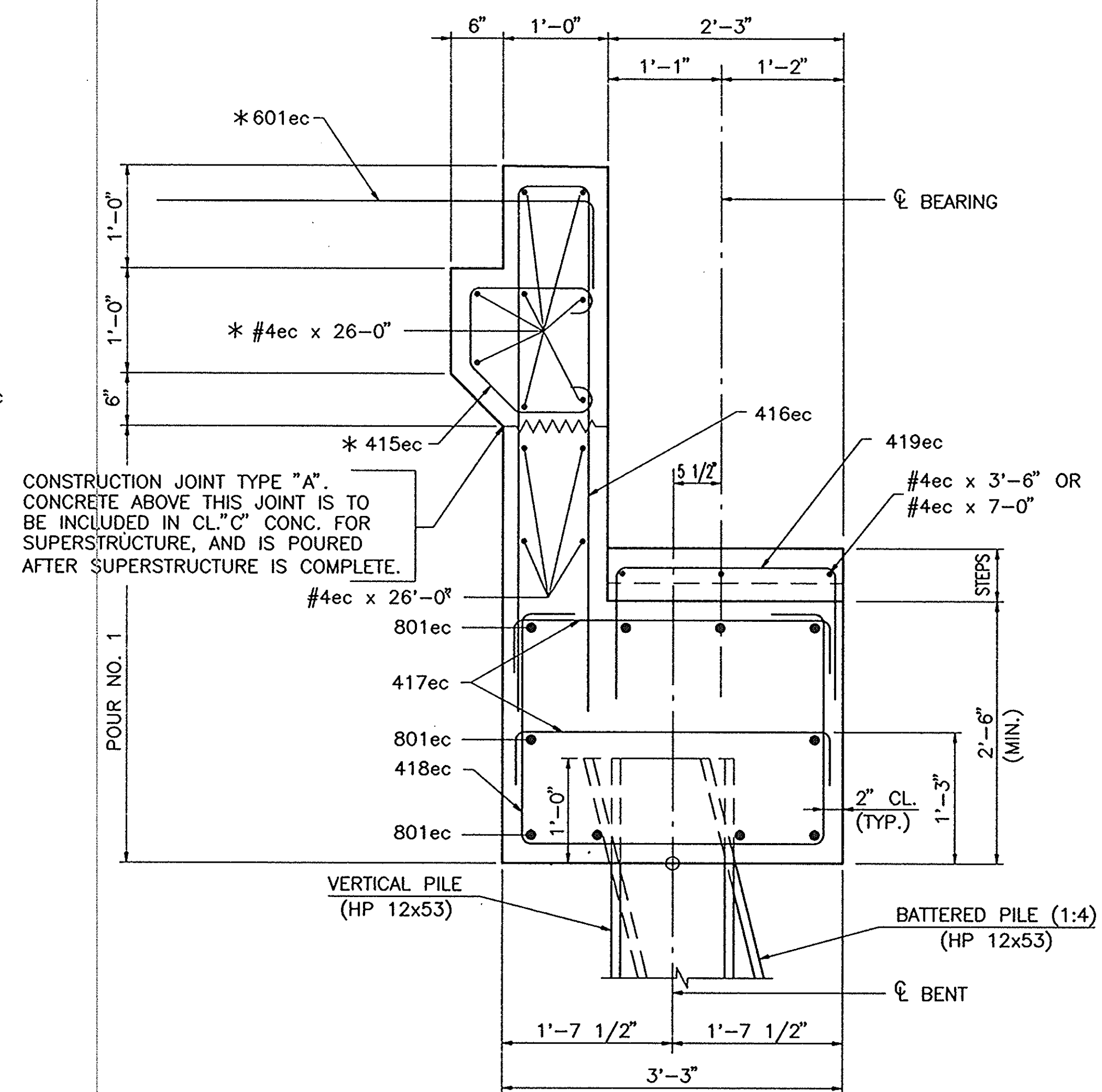
SECTION "B-B"



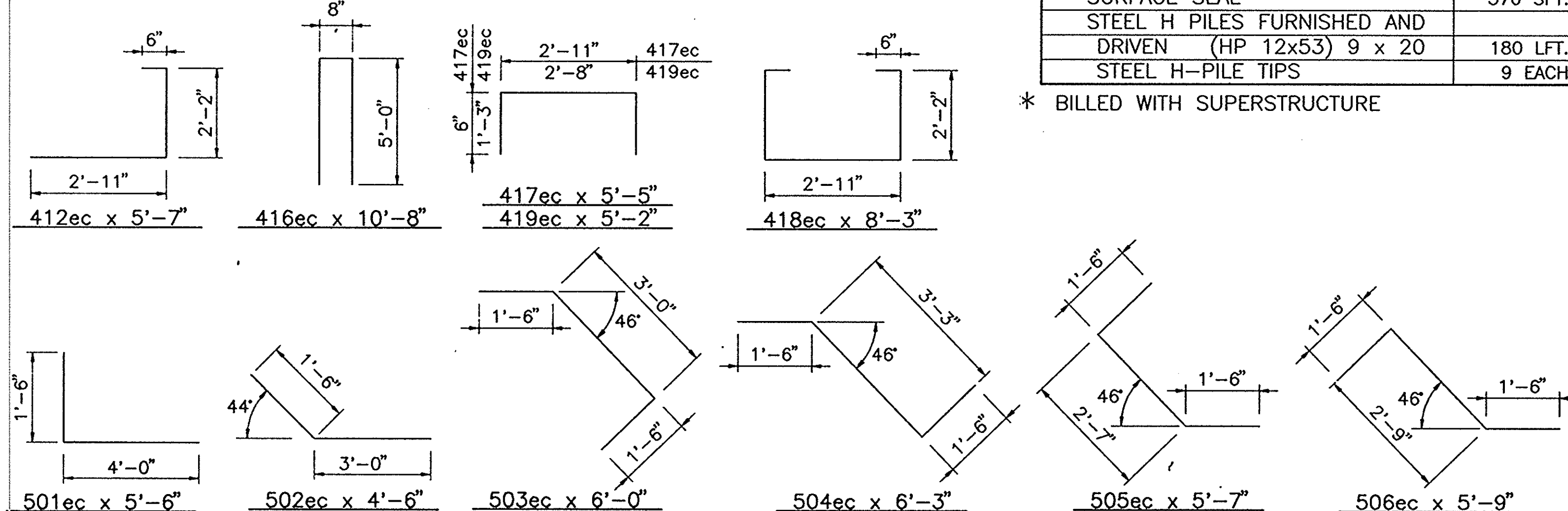
ELEVATION - WING "B"
(POUR NO. 2)



SECTION "C-C"



SECTION "A-A"
SCALE: 1" = 1'-0"



BAR SHAPES

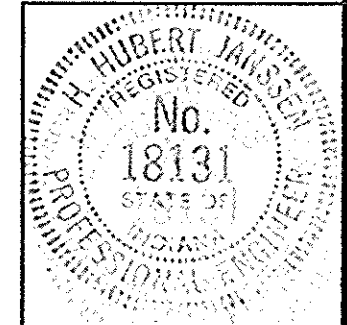
BILL OF MATERIALS BENT NO. 1			
REINFORCING STEEL			
BAR MARK	NO. OF BARS	LENGTH FT.-IN.	WEIGHT LBS.
801ec	20	31-05	
TOTAL #8ec			1678
* 601ec	*	5-09	*
501ec	18	5-06	
502ec	6	4-06	
503ec	7	5-09	
504ec	5	5-07	
505ec	5	6-03	
506ec	7	6-00	
#5ec	42	18-06	
#5ec	20	6-09	
#5ec	20	6-06	
#5ec	20	6-03	
#5ec	20	6-00	
TOTAL #5ec			1496
412ec	14	5-07	
* 415ec	*	4-04	*
416ec	57	10-08	
417ec	204	5-05	
418ec	88	8-03	
419ec	58	5-02	
#4ec	8	26-00	
* #4ec	*	26-00	*
#4ec	15	7-00	
#4ec	18	3-06	
TOTAL #4ec			1928
TOTAL EPOXY COATED REINFORCING STEEL			5102
CONCRETE			
CLASS "A" IN SUBSTRUCTURE:			
POUR NO. 1 (FTG. & BACKWALL)			22.3 CYS.
POUR NO. 2 (WINGS)			9.6 CYS.
TOTAL CLASS "A" CONCRETE			31.9 CYS.
CL. "C" CONC. INCLUDED IN SUPERSTR.			6.3 CYS.
MISCELLANEOUS			
SURFACE SEAL			370 SFT.
STEEL H PILES FURNISHED AND DRIVEN (HP 12x53) 9 x 20			180 LFT.
STEEL H-PILE TIPS			9 EACH

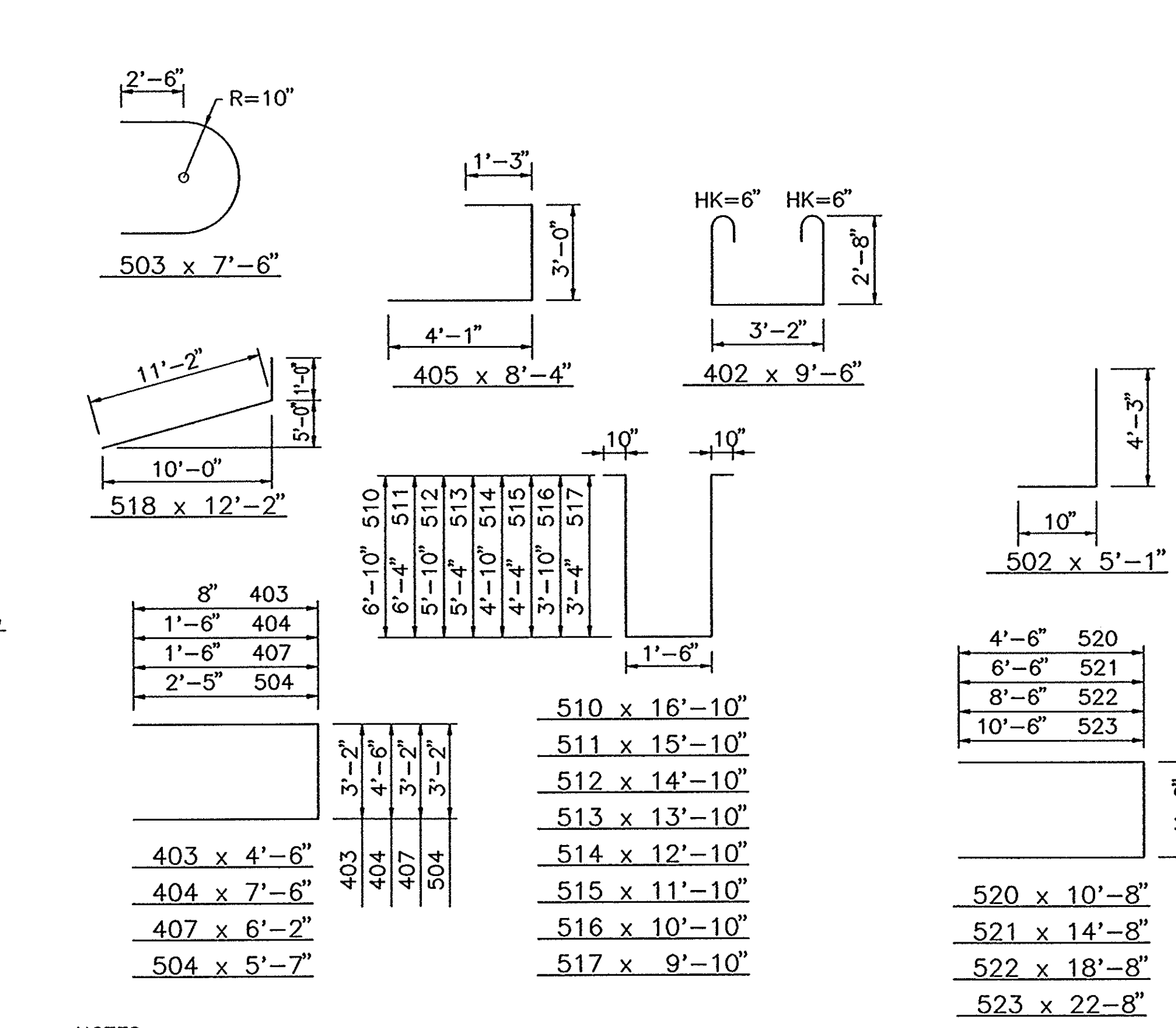
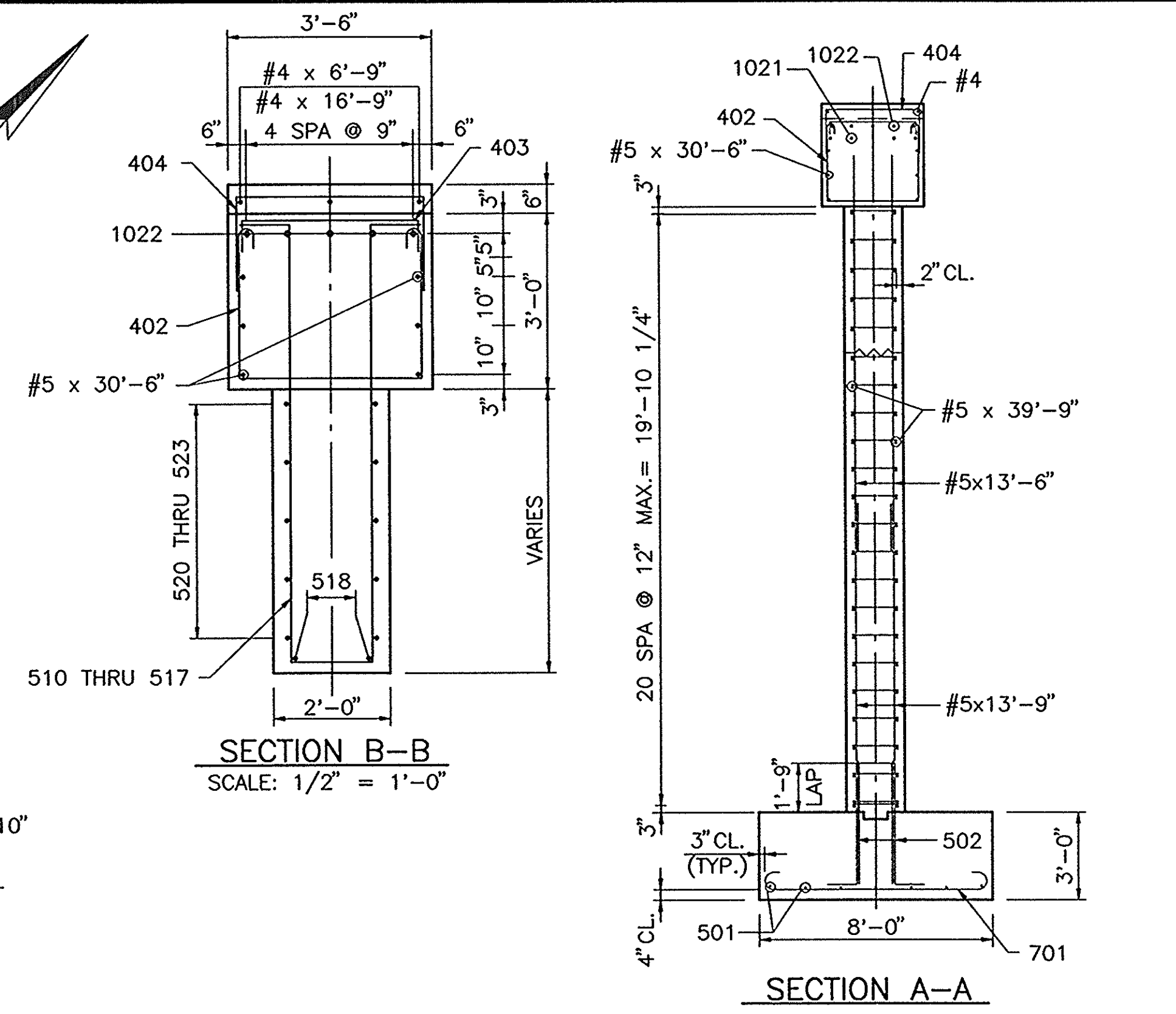
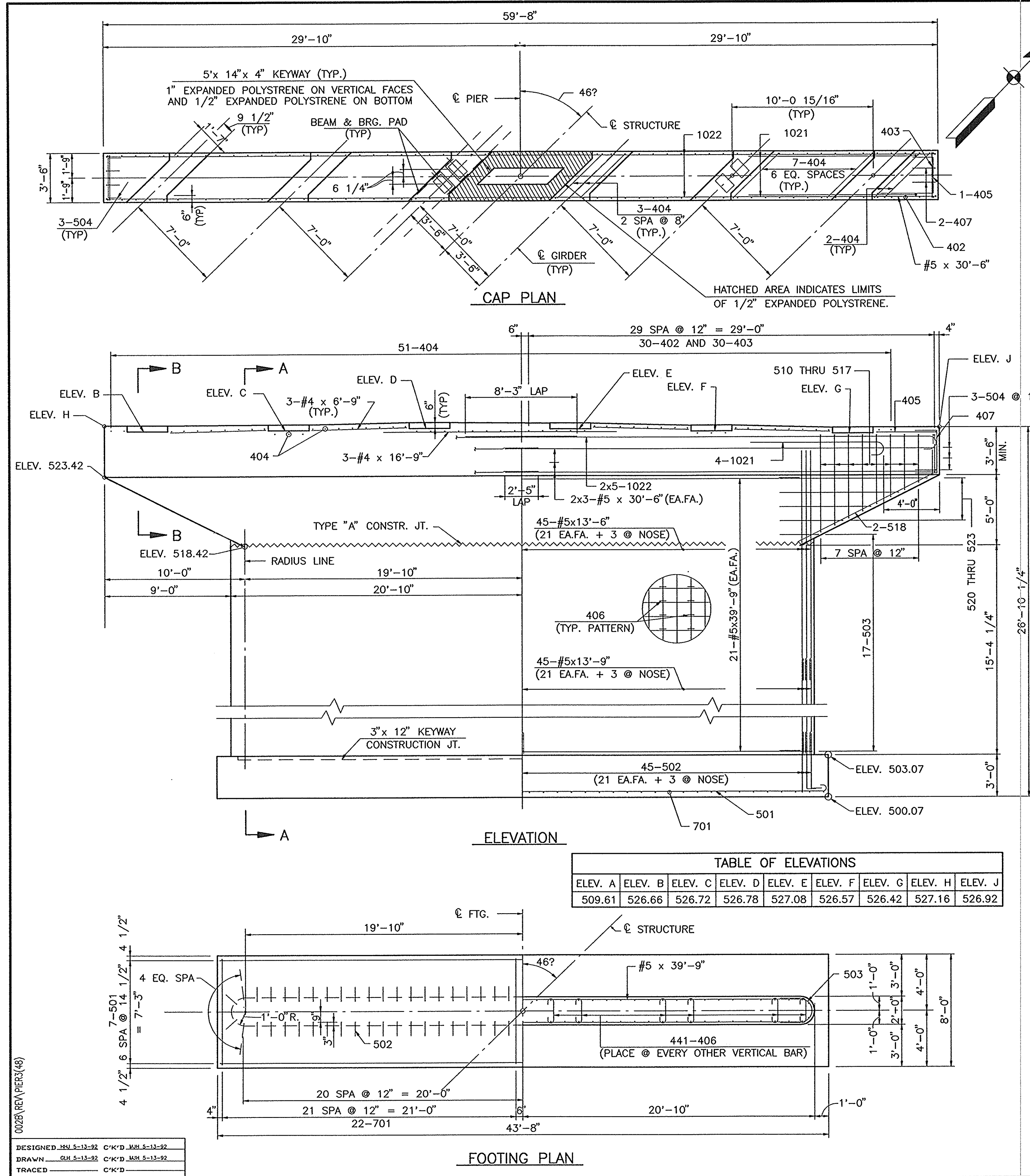
* BILLED WITH SUPERSTRUCTURE

BENT NO. 1 DETAILS
 INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY
 SCALE: - 1/2" = 1'-0" UN DATE: - 12/20/96
 SUBMITTED FOR APPROVAL [Signature]
 DRAWING: - C4 OF 14 SHEET: - 26 OF 105
 PROJECT: BRF-95-3(9)
 CONTRACT NO. 8-23062
 BRIDGE FILE: - 37-13-7146

NOTES:
 SEE BR. STD. C1 FOR REINFORCING NOTES.
 SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".

DESIGNED: MH 3-03-92 C/K'D: MH 3-03-92
 DRAWN: GH 3-03-92 C/K'D: MH 3-03-92
 TRACED: C/K'D





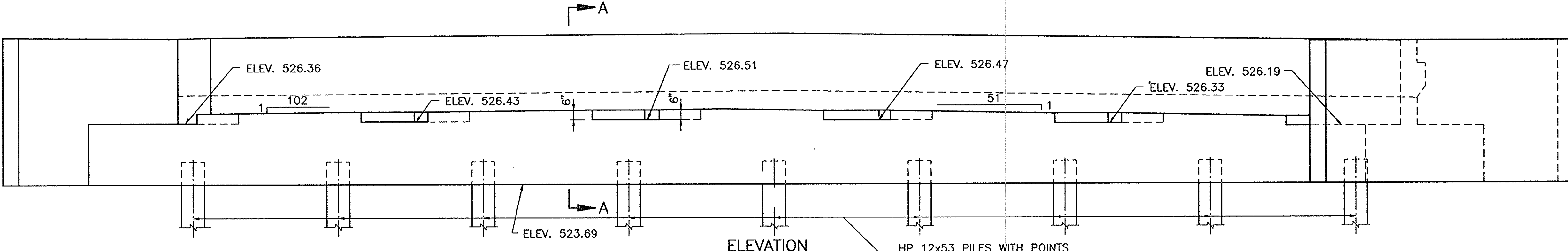
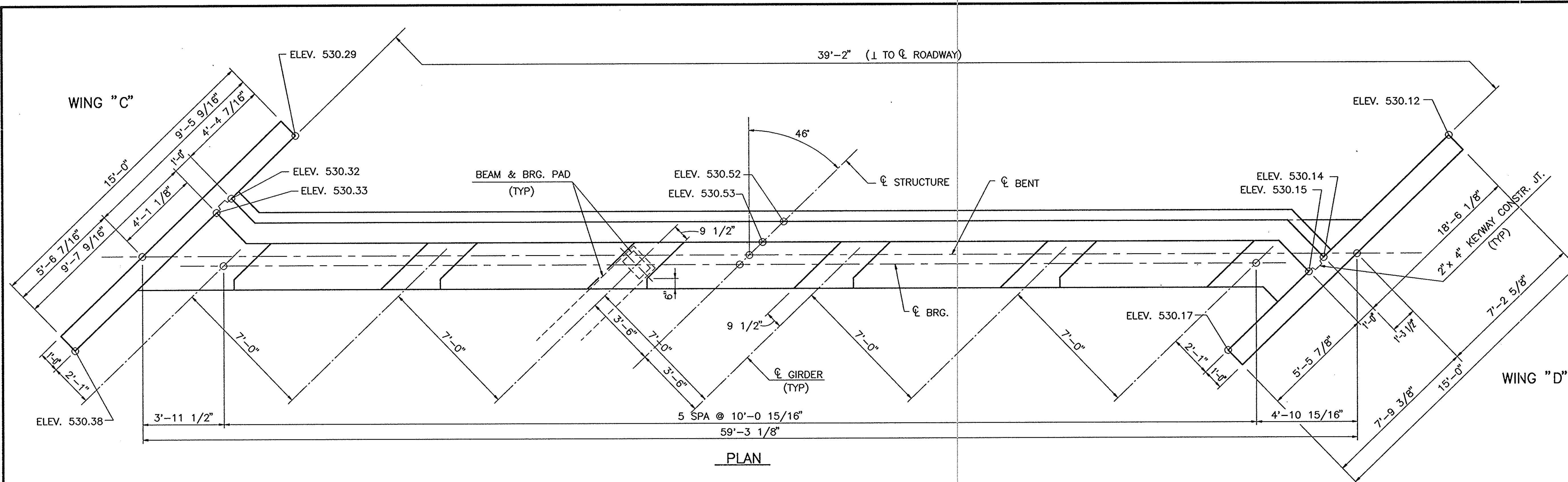
BILL OF MATERIALS PIER NO. 3			
REINFORCING STEEL			
BAR MARK	NO. OF BARS	LENGTH FT. IN.	WEIGHT LBS.
1021	8	13-05	
1022	10	33-10	
TOTAL #10			1918
701	44	9-02	
TOTAL #7			824
501	7	44-04	
502	88	5-01	
503	34	7-06	
504	6	5-07	
510	2	16-10	
511	2	15-10	
512	2	14-10	
513	2	13-10	
514	2	12-10	
515	2	11-10	
516	2	10-10	
517	2	9-10	
518	4	12-02	
520	2	10-08	
521	2	14-08	
522	2	18-08	
523	2	22-08	
#5	42	39-09	
#5	12	30-06	
#5	88	13-09	
#5	88	13-06	
TOTAL #5			6128
402	60	9-00	
403	60	4-06	
404	57	7-06	
405	2	8-04	
406	441	2-08	
407	4	6-02	
#4	2	16-09	
#4	12	6-09	
TOTAL #4			1717
TOTAL REINFORCING STEEL			10,587
CONCRETE			
CLASS "B" IN FOOTING			38.8 CYS.
CLASS "A" ABOVE FOOTING			46.9 CYS.
CLASS "A" IN CAP			46.9 CYS.
MISCELLANEOUS			
SURFACE SEAL			208 SFT.

ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	ELEV. F	ELEV. G	ELEV. H	ELEV. J
509.61	526.66	526.72	526.78	527.08	526.57	526.42	527.16	526.92

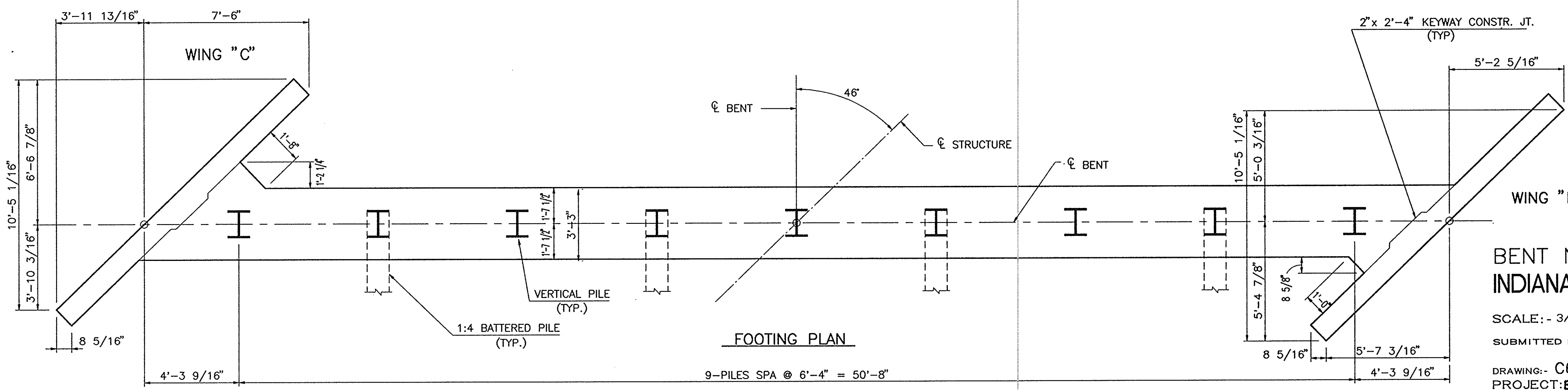
- NOTES:
- MAX. ALLOWABLE BEARING PRESSURE FOR PIER NO.3 IS 15 KSF.
 - ALL EXCAVATED ROCK TO BE PROOF TESTED.
 - FOOTINGS TO BE KEYED MIN. 2'-0" INTO BED ROCK.
 - ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
 - ALL CONCRETE ABOVE FOOTING IS CLASS "A".
 - ALL CONCRETE IN FOOTING IS CLASS "B".
 - SEE BR. STD. C1 FOR REINFORCING NOTES.
 - SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".
 - SURFACE SEAL TOP OF PIER CAP

PIER NO. 3 DETAILS
 INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY
 SCALE: - 1/4" = 1'-0"
 DATE: - 7/14/97
 SUBMITTED FOR APPROVAL: *Kevin S. Spivack*
 DRAWING: - C5A OF 14 SHEET: - 27B OF 105
 PROJECT: - F-95-3(9)
 CONTRACT NO. - B-23063
 BRIDGE FILE: - 37-13-7146

DESIGNED: JHU 5-13-92 C-K'D MSH 5-13-92
 DRAWN: GKH 5-13-92 C-K'D MSH 5-13-92
 TRACED: C-K'D



HP 12x53 PILES WITH POINTS
DRIVE INTO ROCK TO REFUSAL
5 VERTICAL, 4 BATTERED (1:4)

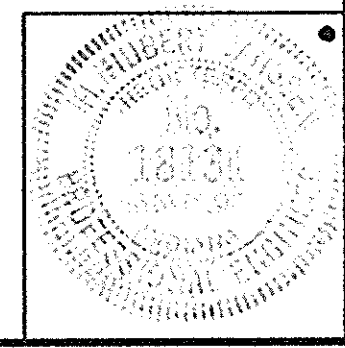


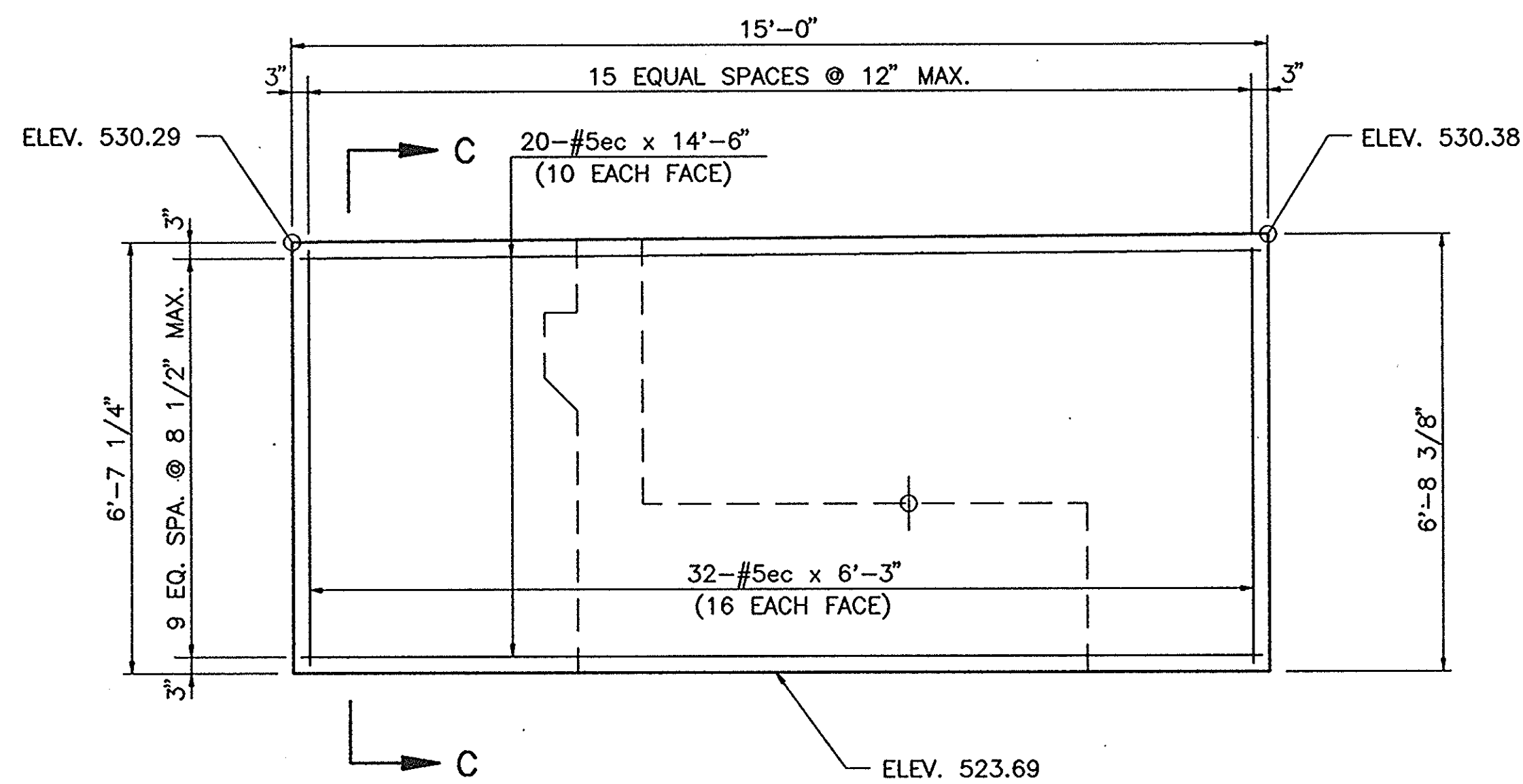
NOTES:
SEE BR. STD. C1 FOR REINFORCING NOTES.
SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".
FOR SECTION "A-A" AND WING "C" & "D"
DETAILS SEE DWG. C7.
ALL REINFORCING FOR BENT 4, EXCEPT IN WINGS
IS THE SAME AS BENT 1, SEE DWG. C3.
FOR BILL OF MATERIALS SEE DWG. C7.

BENT NO. 4 DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY
SCALE: - 3/8" = 1'-0"
DATE: 12/20/96
SUBMITTED FOR APPROVAL: *[Signature]*
DRAWING: C6 OF 14 SHEET: 28 OF 105
PROJECT: BRF-95-3(9)
CONTRACT NO. B-23063
BRIDGE FILE: - 37-13-7146

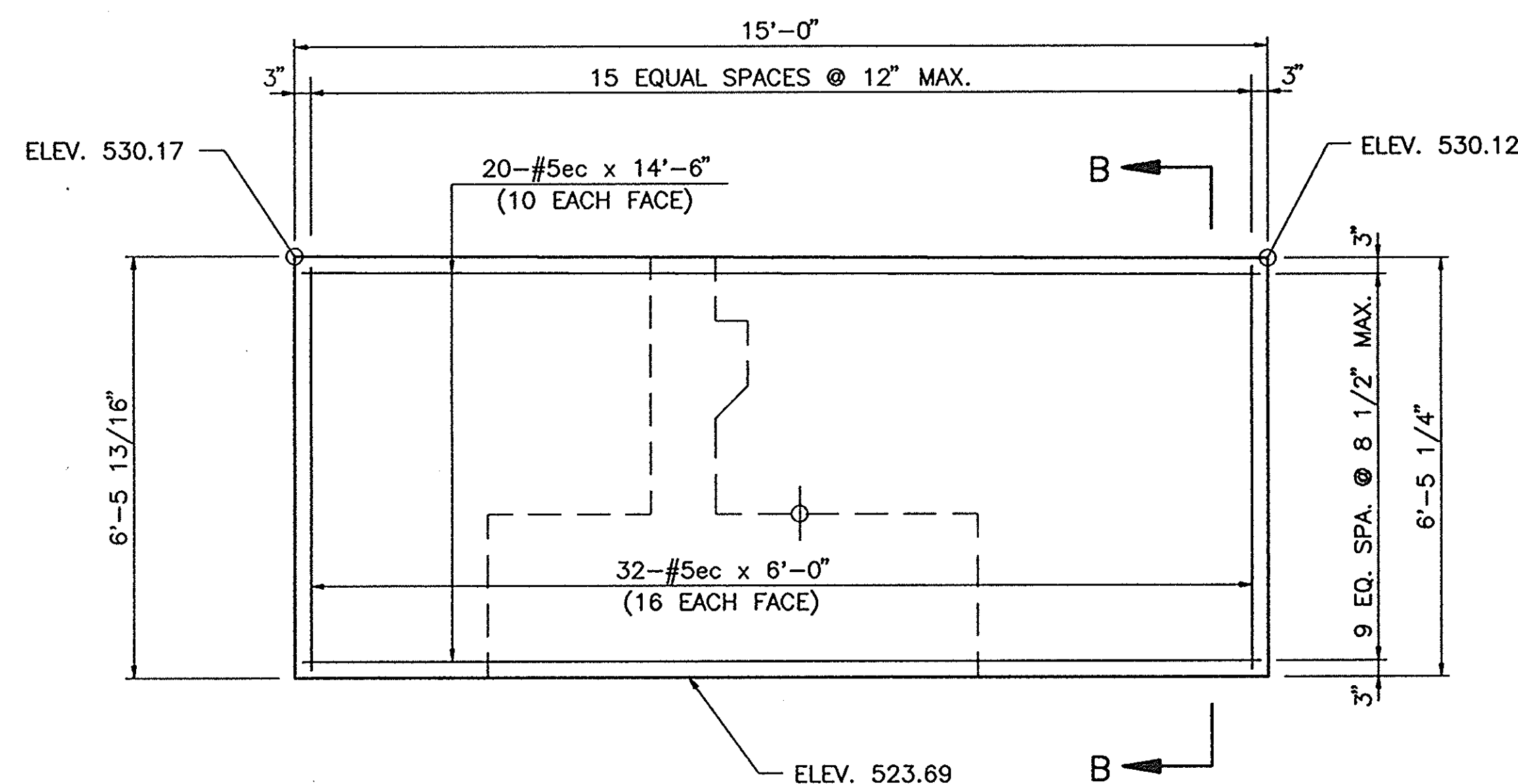
002BENT4(96)

DESIGNED	MMJ 3-3-93	C/K/D	MMJ 8-18-93
DRAWN	GLM 3-3-93	C/K/D	MMJ 8-19-93
TRACED		C/K/D	

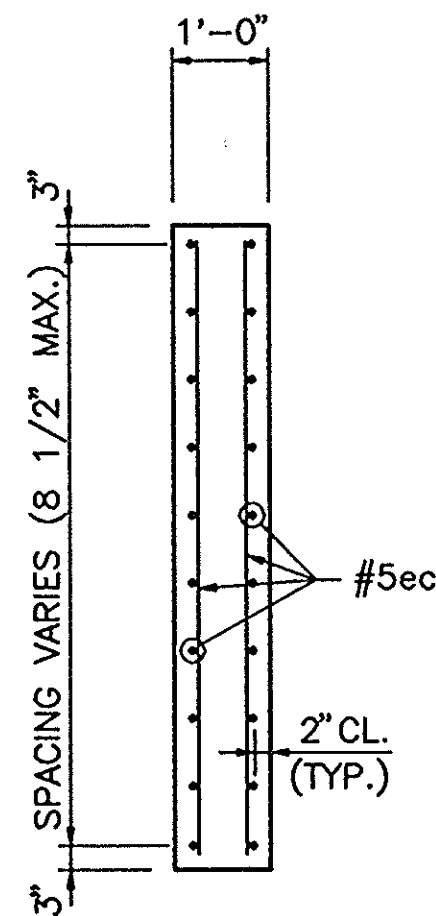




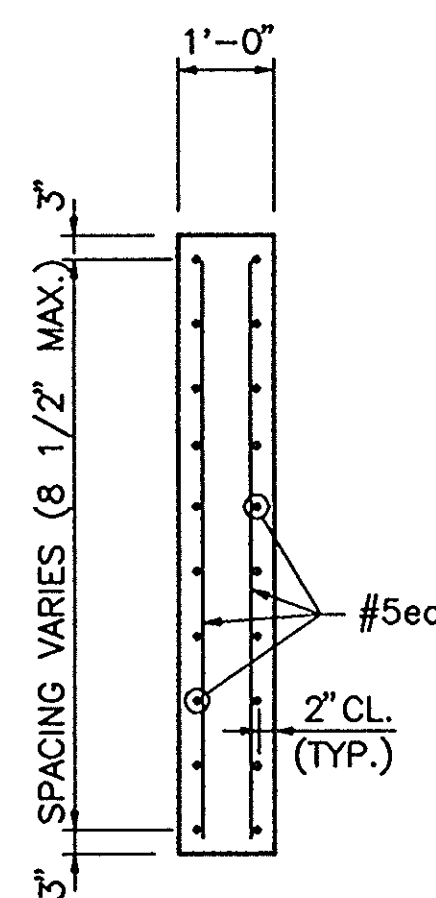
ELEVATION - WING "C"
(POUR NO. 2)



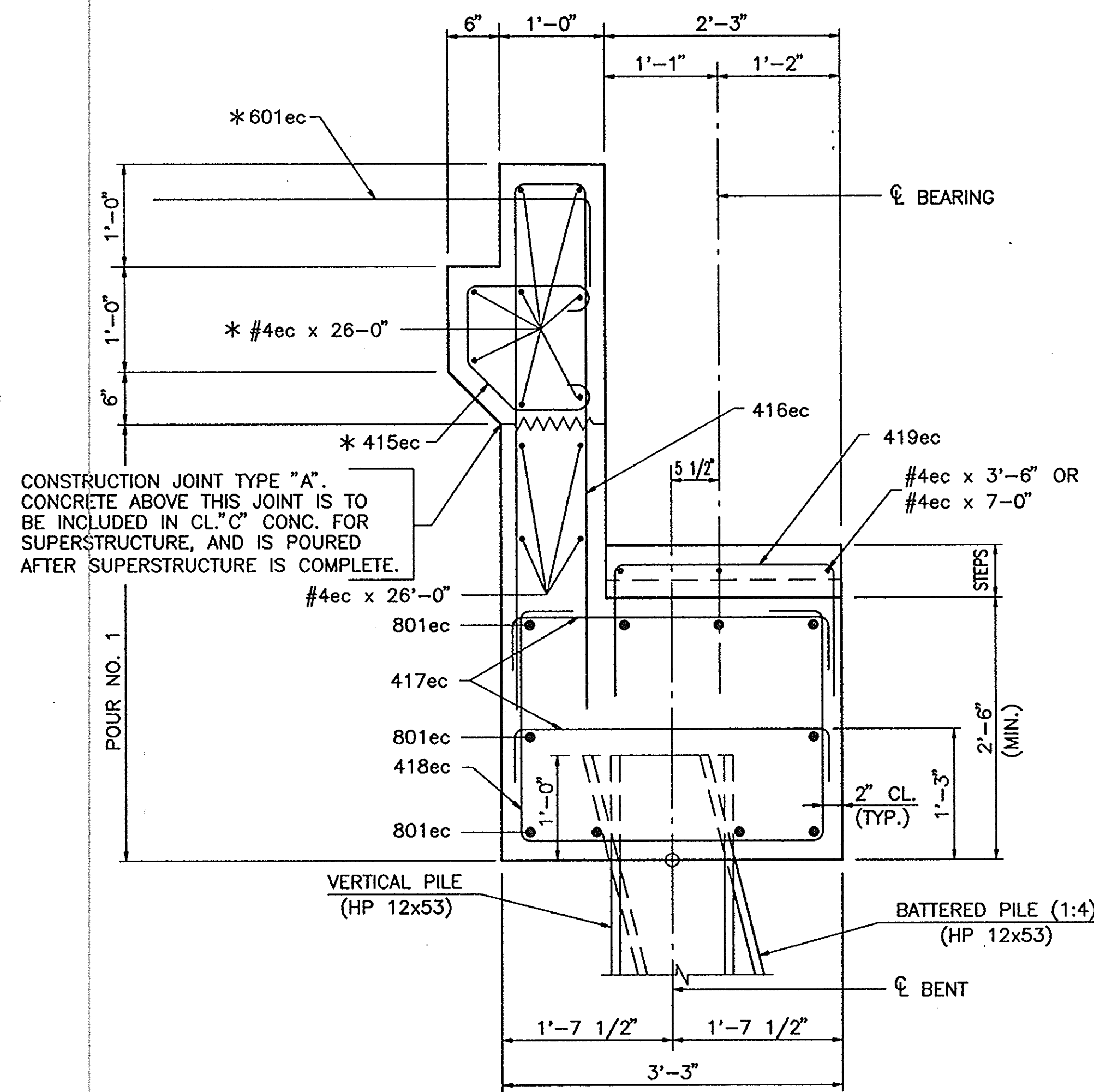
ELEVATION - WING "D"
(POUR NO. 2)



SECTION "C-C"

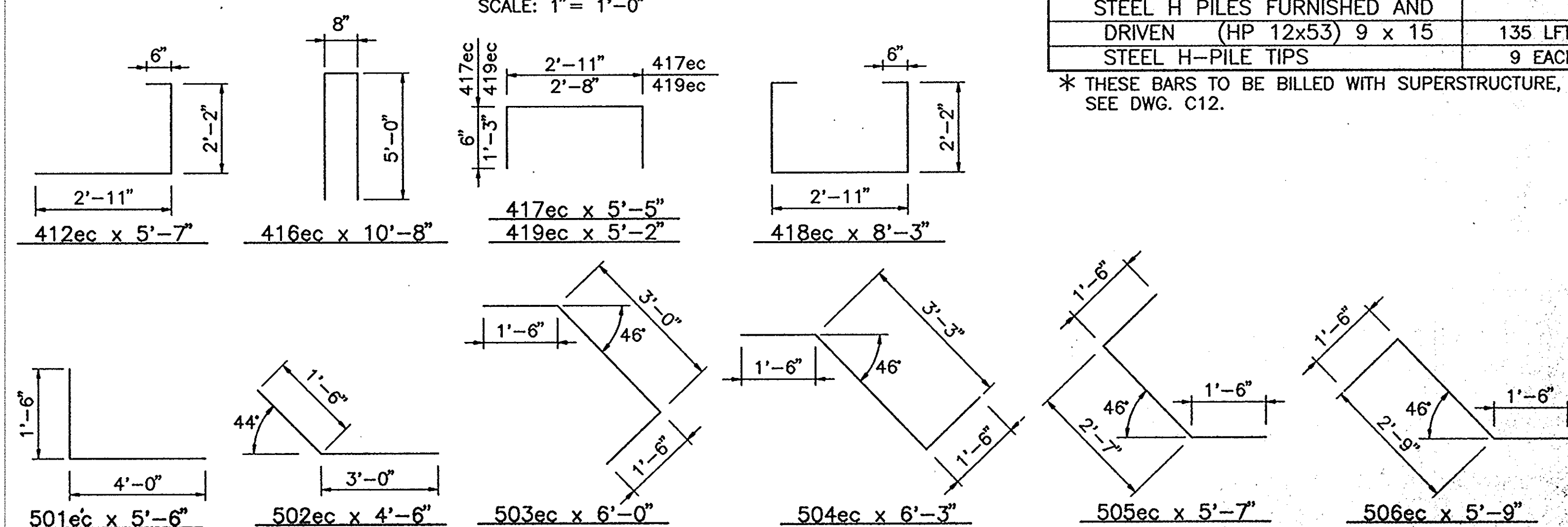


SECTION "B-B"



CONSTRUCTION JOINT TYPE "A".
CONCRETE ABOVE THIS JOINT IS TO
BE INCLUDED IN CL."C" CONC. FOR
SUPERSTRUCTURE, AND IS POURED
AFTER SUPERSTRUCTURE IS COMPLETE.

SECTION "A-A"
SCALE: 1" = 1'-0"



BAR SHAPES

BILL OF MATERIALS
BENT NO. 4

REINFORCING STEEL

BAR MARK	NO. OF BARS	LENGTH FT.-IN.	WEIGHT LBS.
801ec	20	31-05	
TOTAL #8ec			1678
* 601ec	*	5-09	*
501ec	18	5-06	
502ec	6	4-06	
503ec	7	5-09	
504ec	5	5-07	
505ec	5	6-03	
506ec	7	6-00	
#5ec	40	14-06	
#5ec	32	6-03	
#5ec	32	6-00	
TOTAL #5ec			1323
412ec	14	5-07	
* 415ec	*	4-04	*
416ec	57	10-08	
417ec	204	5-05	
418ec	88	8-03	
419ec	58	5-02	
#4ec	8	26-00	
* #4ec	*	26-00	*
#4ec	15	7-00	
#4ec	18	3-06	
TOTAL #4ec			1928
TOTAL EPOXY COATED REINFORCING STEEL			4929

CONCRETE

CLASS "A" IN SUBSTRUCTURE:	
POUR NO. 1 (FTG. & BACKWALL)	22.3 CYS.
POUR NO. 2 (WINGS)	7.3 CYS.
TOTAL CLASS "A" CONCRETE	29.6 CYS.
CL."C" CONC. INCLUDED IN SUPERSTR.	6.3 CYS.

MISCELLANEOUS

SURFACE SEAL	370 SFT.
STEEL H PILES FURNISHED AND DRIVEN (HP 12x53) 9 x 15	135 LFT.
STEEL H-PILE TIPS	9 EACH

* THESE BARS TO BE BILLED WITH SUPERSTRUCTURE,
SEE DWG. C12.

BENT NO. 4 DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY

SCALE: - 1/2" = 1'-0" UN DATE: - 12/20/96

SUBMITTED FOR APPROVAL *[Signature]*

DRAWING: - C7 OF 14 SHEET: - 29 OF 105

PROJECT: BR-95-3(9)

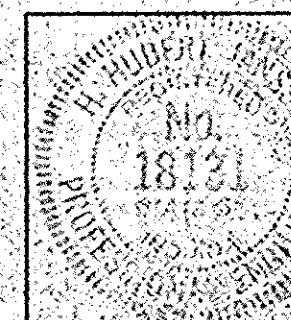
CONTRACT NO. B-23063

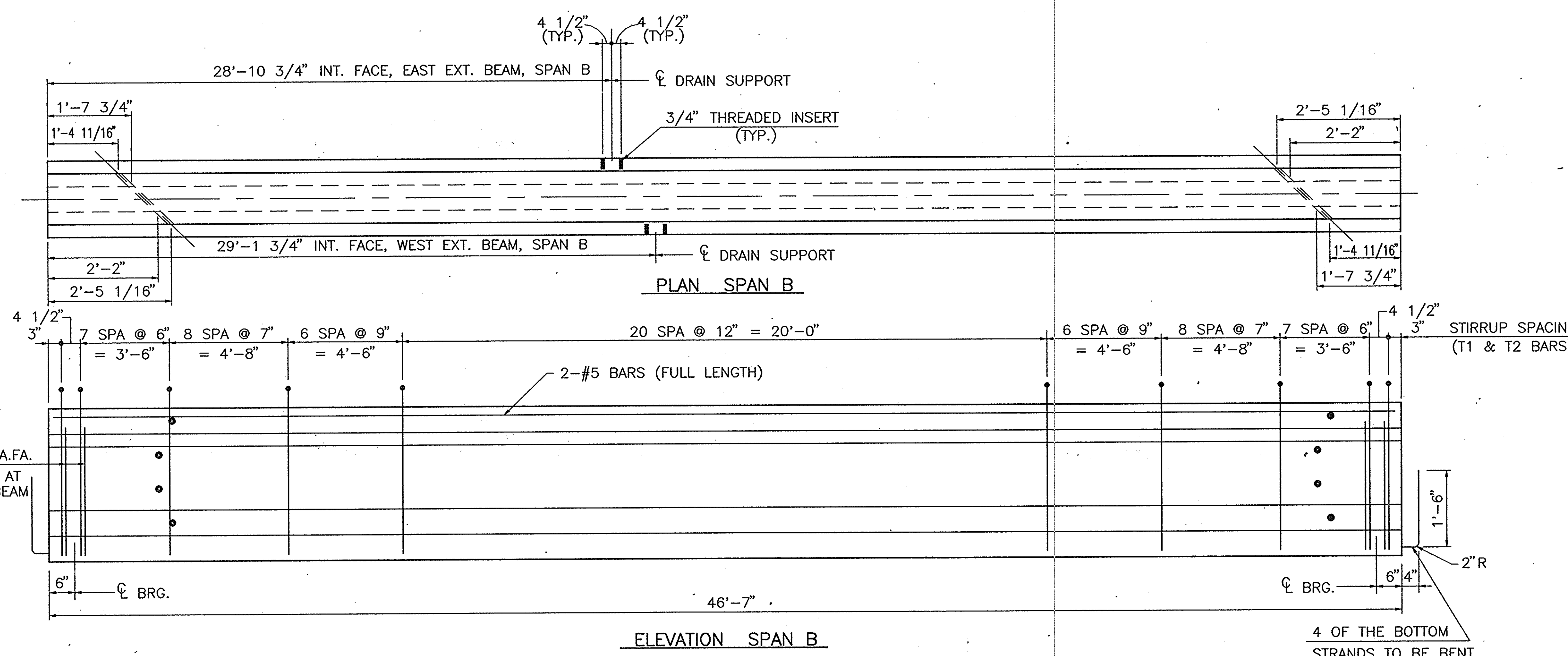
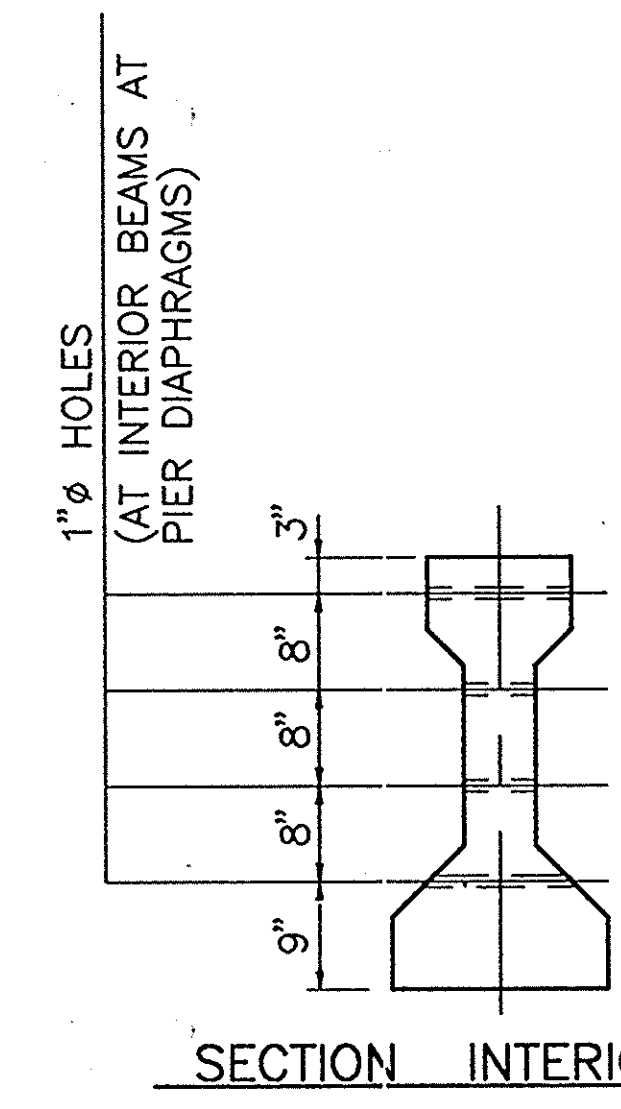
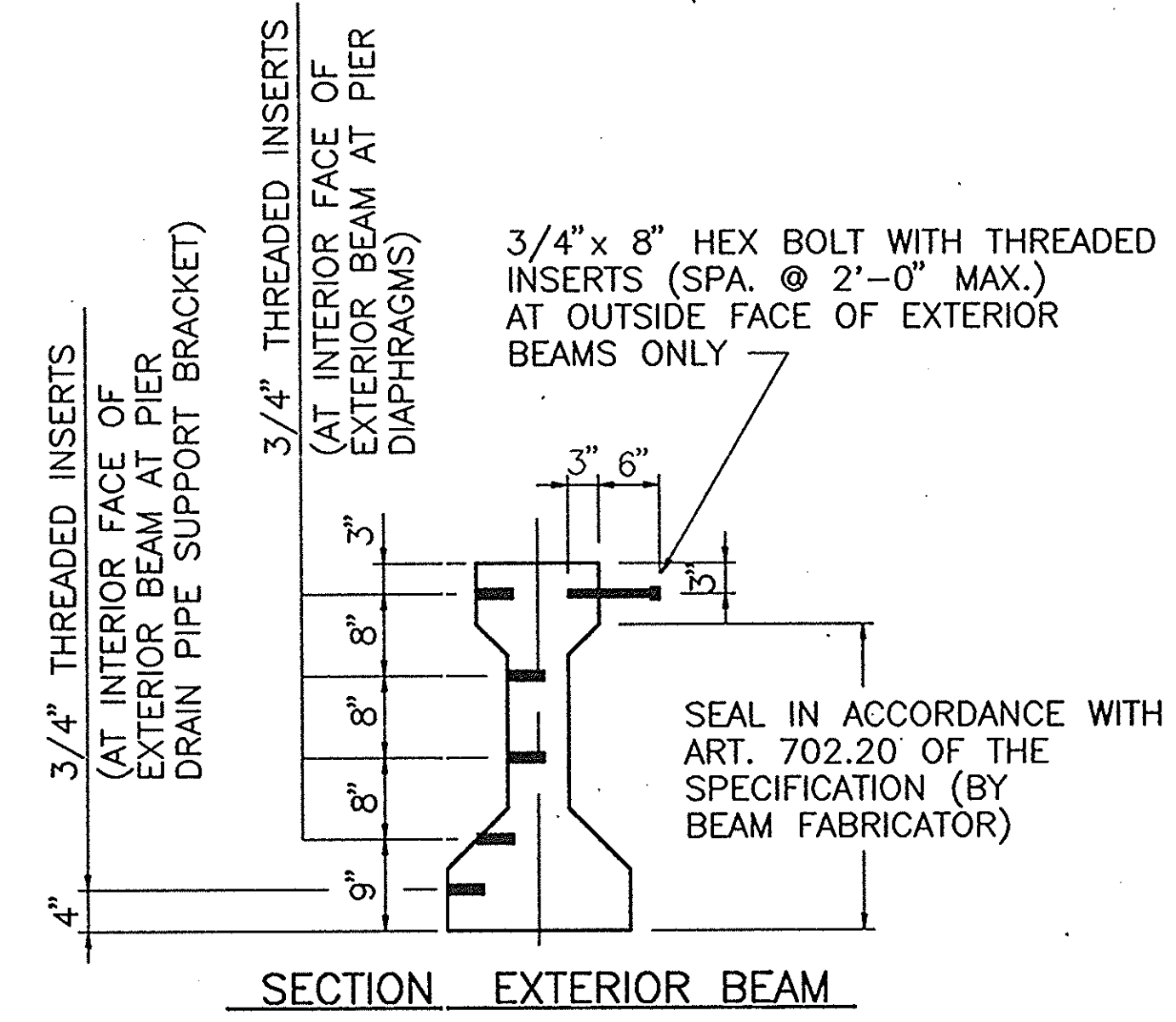
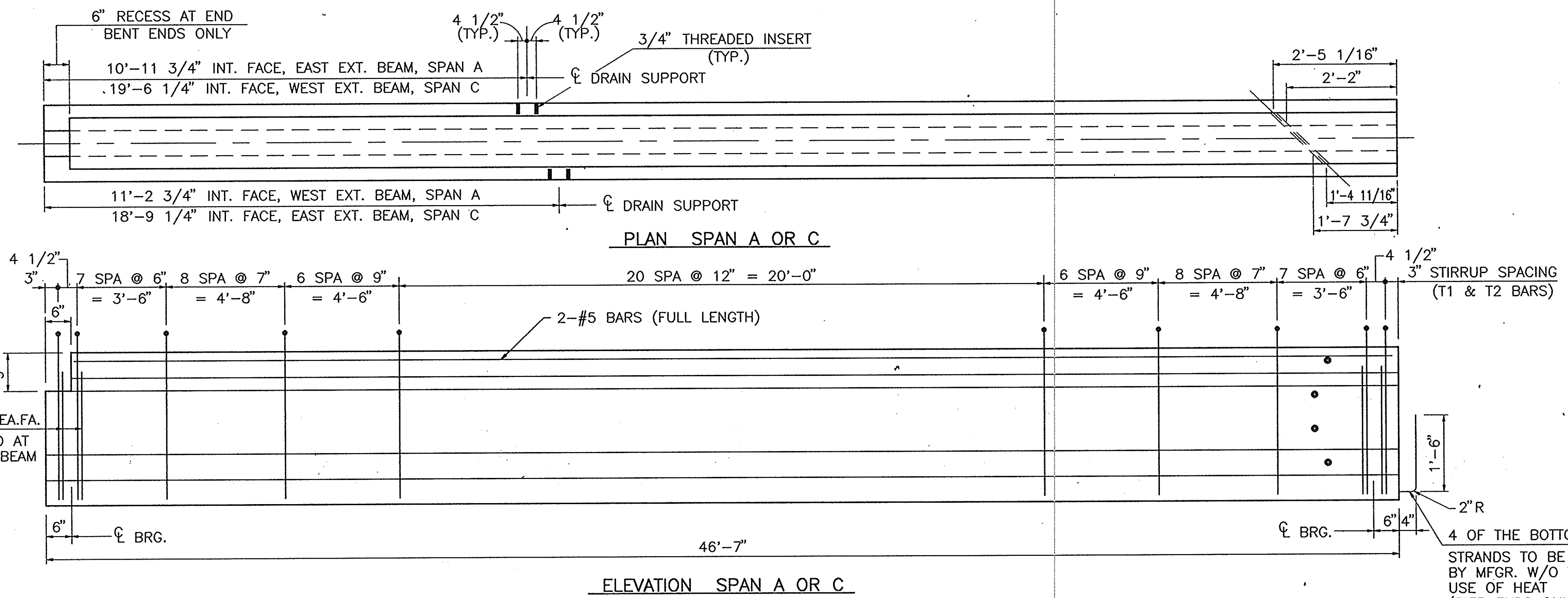
BRIDGE FILE: - 37-13-7146

NOTES:
SEE BR. STD. C1 FOR REINFORCING NOTES.
SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".

002B\BENT4A(24)

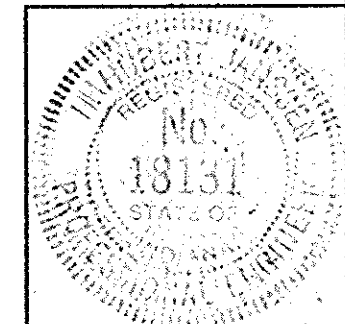
DESIGNED: MHL 3-03-92 C/K'D JSM 3-03-92
DRAWN: GH 3-03-92 C/K'D MHL 3-03-92
TRACED: C/K'D





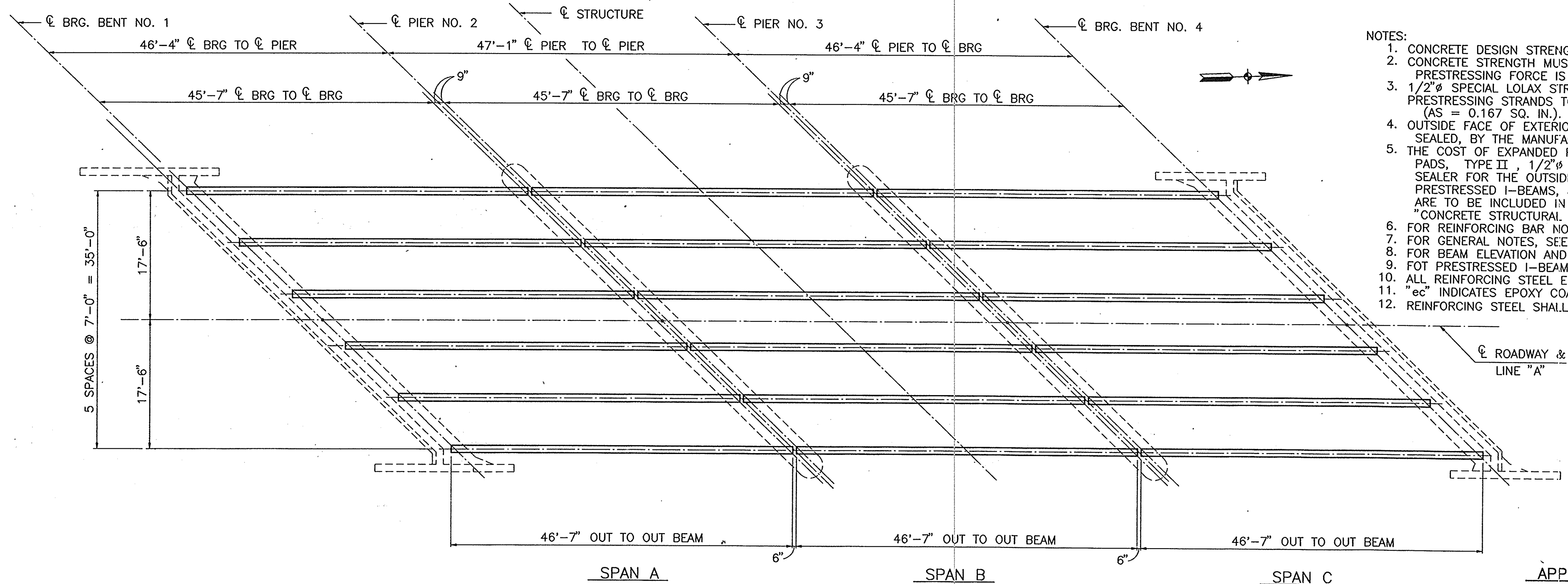
NOTES:
FOR FRAMING PLAN AND BEAM SECTION DETAILS, SEE DWG. C9.
FOR PIER DIAPHRAGM DETAILS, SEE DWG. C11.

BEAM DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY
SCALE: - 3/4" = 1'-0" DATE: - 12/20/2006
SUBMITTED FOR APPROVAL *[Signature]*
DRAWING: - C8 OF 14 SHEET: - 30 OF 105
PROJECT: - BRF-95-3(9)
CONTRACT NO. - R-23063
BRIDGE FILE: - 37-13-7146



002B\BEAM1(16)

DESIGNED: JHL 8-25-93 C/K/D MHL 8-25-93
DRAWN: GH 8-25-93 C/K/D MHL 8-25-93
TRACED: C/K/D

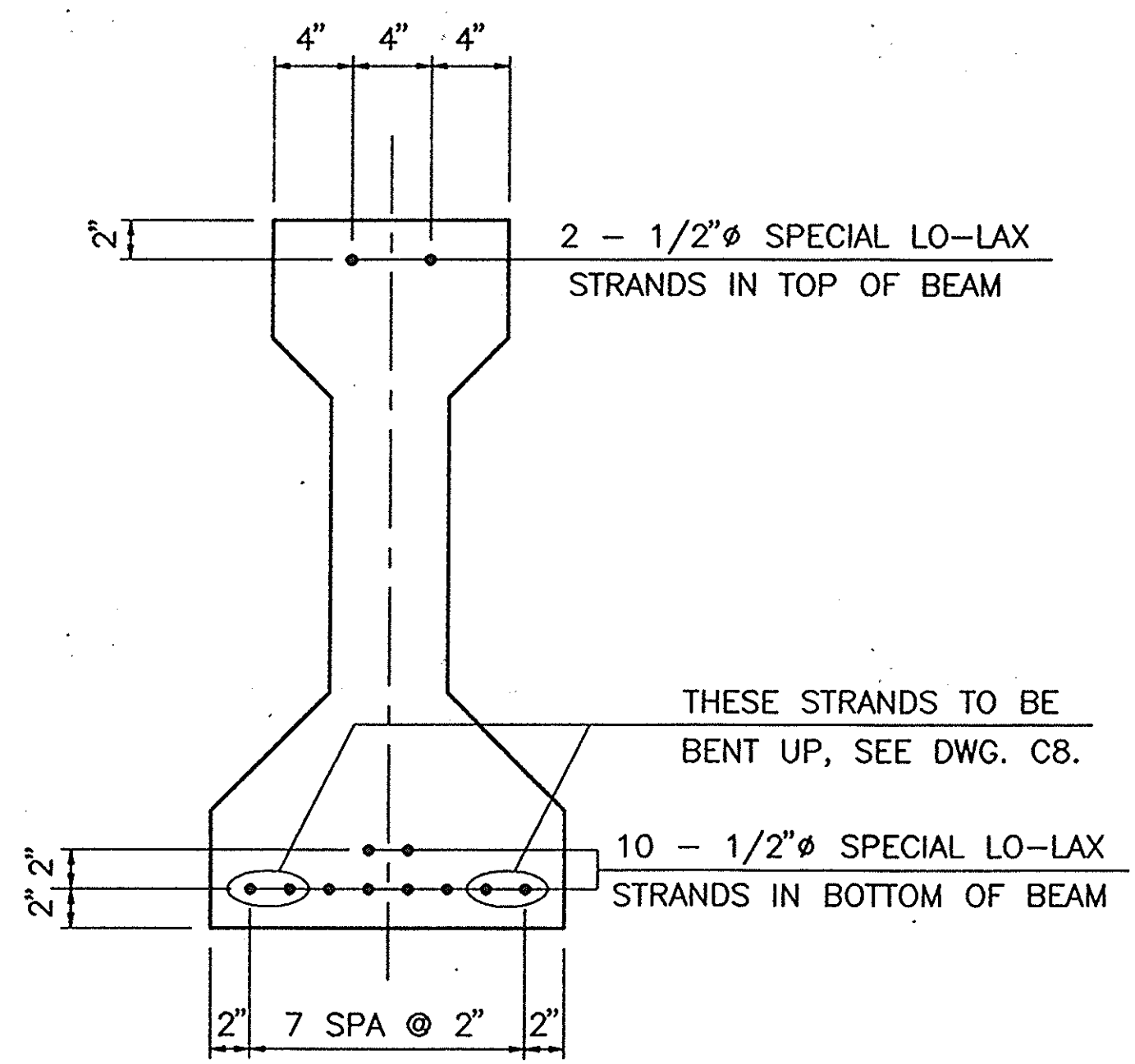


- NOTES:
1. CONCRETE DESIGN STRENGTH TO BE 6000 P.S.I. @ 28 DAYS.
 2. CONCRETE STRENGTH MUST BE 4000 P.S.I. OR MORE BEFORE PRESTRESSING FORCE IS APPLIED.
 3. 1/2" SPECIAL LOLAX STRANDS TO BE PULLED TO 33,800 LBS. INITIALLY EACH. PRESTRESSING STRANDS TO BE 1/2" HIGH STRENGTH 270 K SPECIAL LOLAX (AS = 0.167 SQ. IN.).
 4. OUTSIDE FACE OF EXTERIOR BEAMS AND TOP OF ALL BEAMS TO BE SURFACE SEALED, BY THE MANUFACTURER.
 5. THE COST OF EXPANDED POLYSTYRENE, ELASTOMERIC BEARING PADS, TYPE II, 1/2" END WELDED STUDS, SEALER FOR THE OUTSIDE FACE OF EXTERIOR BEAMS, PRECAST PRESTRESSED I-BEAMS, 3/4" INSERTS, 3/4" DOWEL RODS ARE TO BE INCLUDED IN THE COST OF "CONCRETE STRUCTURAL MEMBERS" - LUMP SUM.
 6. FOR REINFORCING BAR NOTES, SEE BR. STD. C1.
 7. FOR GENERAL NOTES, SEE DWG. C2.
 8. FOR BEAM ELEVATION AND ADDITIONAL DETAILS, SEE DWG. C9.
 9. FOT PRESTRESSED I-BEAM DETAIL, SEE BR. STD. PB2 AND PB10.
 10. ALL REINFORCING STEEL EXTENDED INTO THE DECK TO BE EPOXY COATED.
 11. "ec" INDICATES EPOXY COATED REINFORCING STEEL.
 12. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

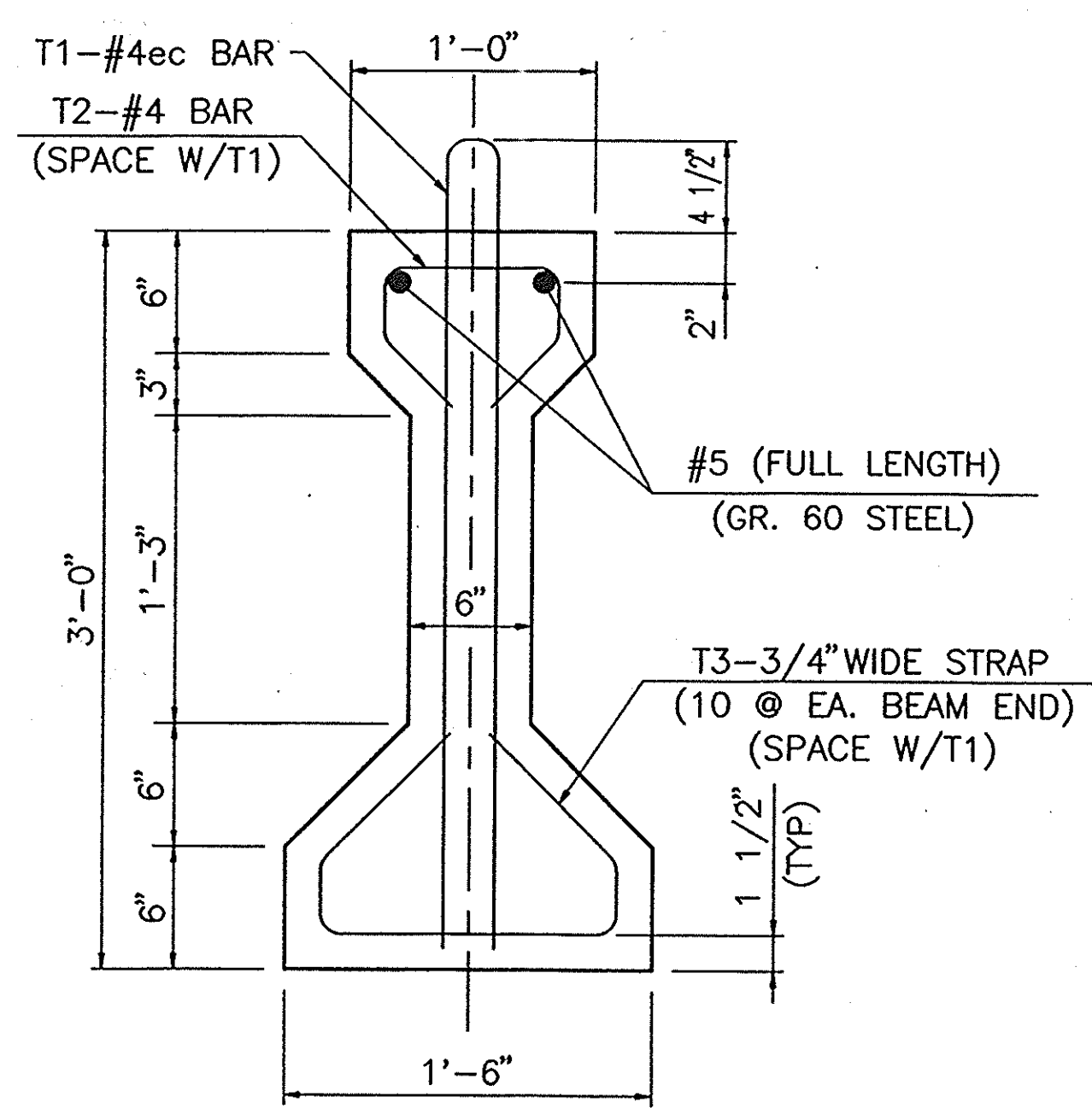
FRAMING PLAN
SCALE: 1/8" = 1'-0"

APPROXIMATE CAMBER (INCHES)

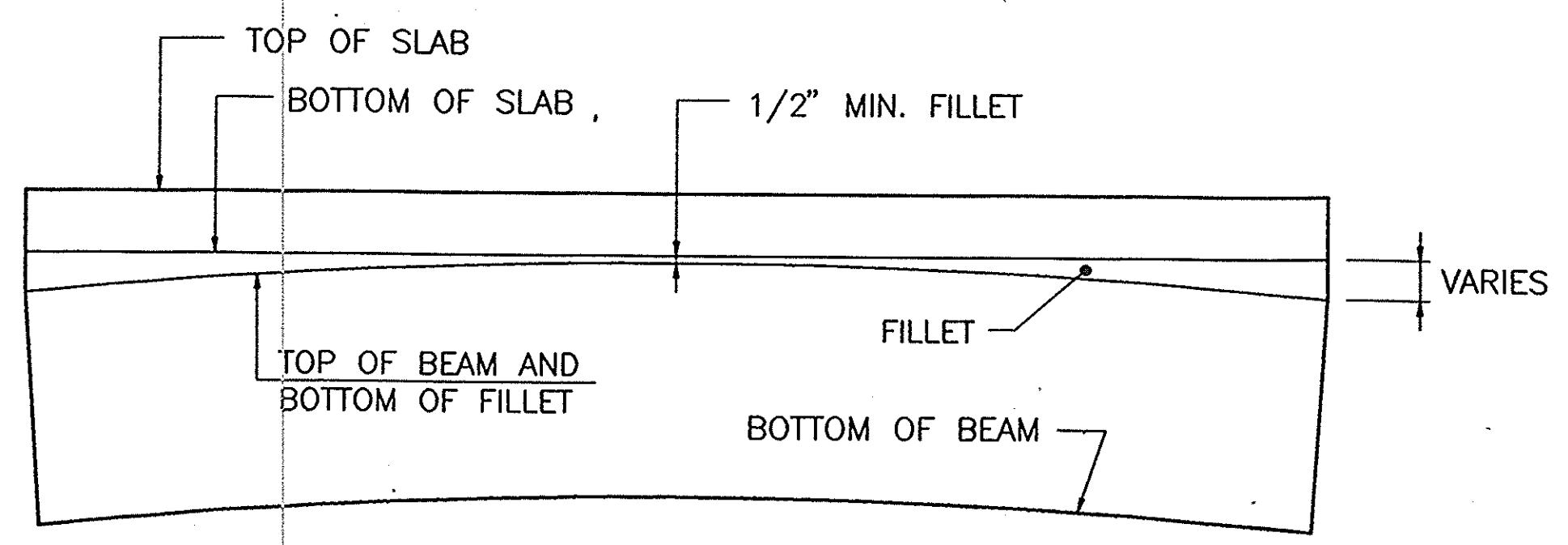
ALL SPANS	
CAMBER AS ERECTED	+0.788
DEFLECTION UNDER SLAB D.L.	-0.363
RESIDUAL BEAM CAMBER	+0.425
LIVE LOAD + IMPACT	-0.185
TOTAL	+0.240



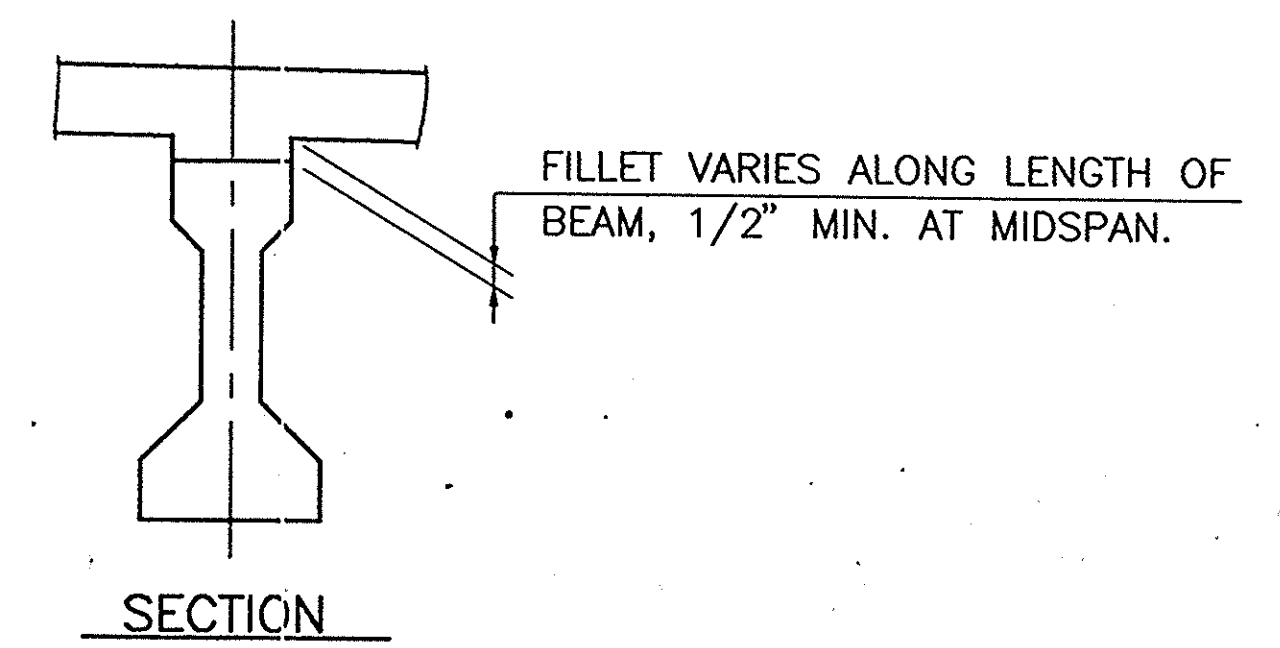
TYPICAL SECTION (ALL BEAMS)
SHOWING STRAND PATTERN
SCALE: 1 1/2" = 1'-0"



TYPICAL SECTION (ALL BEAMS)
SHOWING STIRRUP DETAIL
SCALE: 1 1/2" = 1'-0"



BEAM ELEVATION
NO SCALE

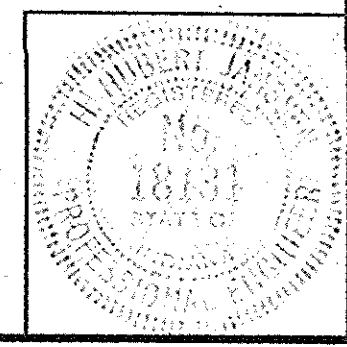


SECTION

NOTE: BRIDGE SEAT ELEVATIONS WERE CALCULATED USING RESIDUAL BEAM CAMBER (DESIGN CAMBER AND DEAD LOAD DEFLECTION OF SLAB) WITH THE TOP OF BEAM 1/2" BELOW THE BOTTOM OF SLAB ELEVATION AT THE CENTERLINE OF SPAN.

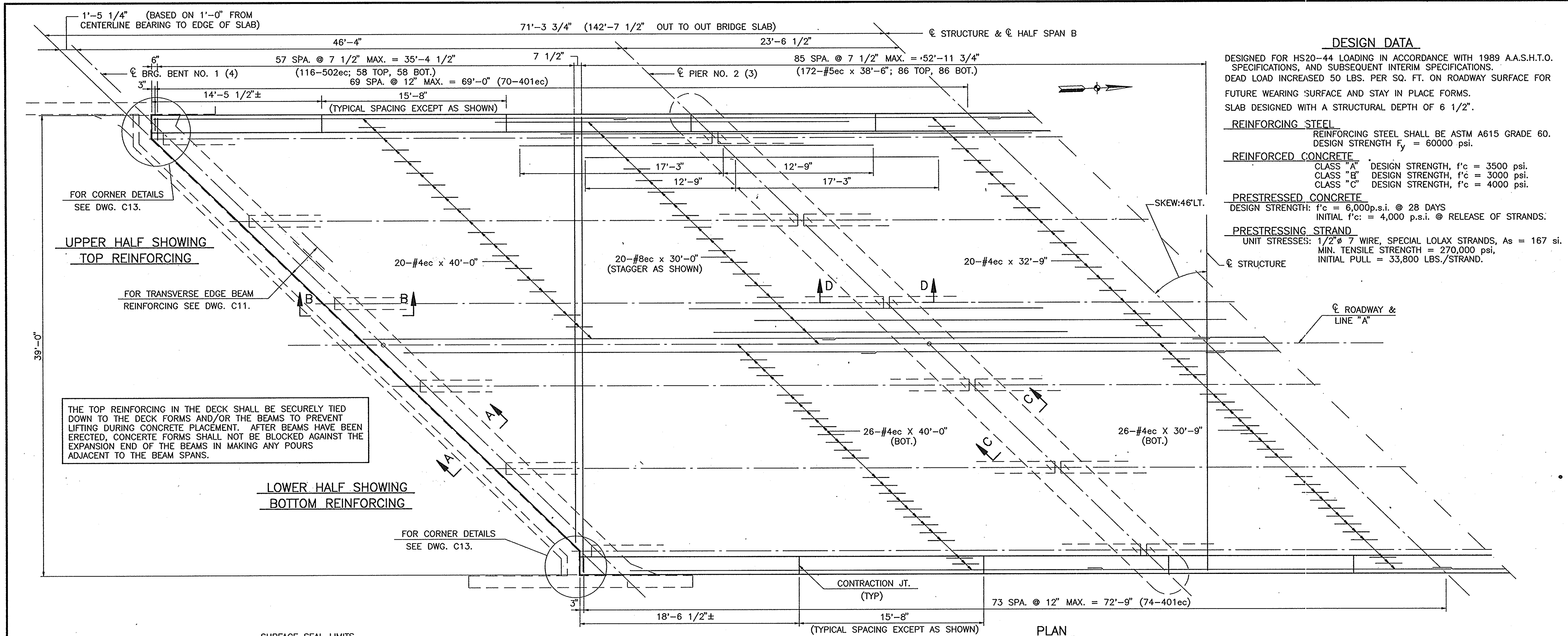
SUPERSTRUCTURE DETAILS-FRAMING PLAN
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY

SCALE: - AS NOTED
DATE: - 1/2/2006
SUBMITTED FOR APPROVAL: [Signature]
DRAWING: - C9 OF 14 SHEET: - 31 OF 105
PROJECT: BR-F-95-3(9)
CONTRACT NO. B-23063
BRIDGE FILE: - 37-13-7146



002B\BEAM2(92)

DESIGNED: BR-8-22-93, C/K/D: MR-8-22-93
DRAWN: CH-8-22-93, C/K/D: BR-8-22-93
TRACED: C/K/D



THE TOP REINFORCING IN THE DECK SHALL BE SECURELY TIED DOWN TO THE DECK FORMS AND/OR THE BEAMS TO PREVENT LIFTING DURING CONCRETE PLACEMENT. AFTER BEAMS HAVE BEEN ERECTED, CONCRETE FORMS SHALL NOT BE BLOCKED AGAINST THE EXPANSION END OF THE BEAMS IN MAKING ANY POURS ADJACENT TO THE BEAM SPANS.

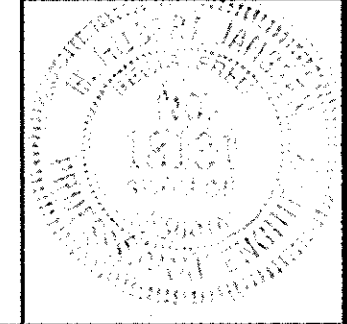
MIN. LAPS	
#4	2'-9"
#5	3'-6"

- NOTES:**
- SEE BR. STD. C1 FOR REINFORCING NOTES.
 - SEE BR. STD. C3 FOR CONSTRUCTION JOINT TYPE "A".
 - FOR SECTIONS SEE DWG. C11.
 - FOR CONCRETE BRIDGE RAILING DETAILS SEE DWG. C12.
 - FOR BILL OF MATERIALS SEE DWG. C12.

SUPERSTRUCTURE DETAILS - DECK SLAB REINFORCING
INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY

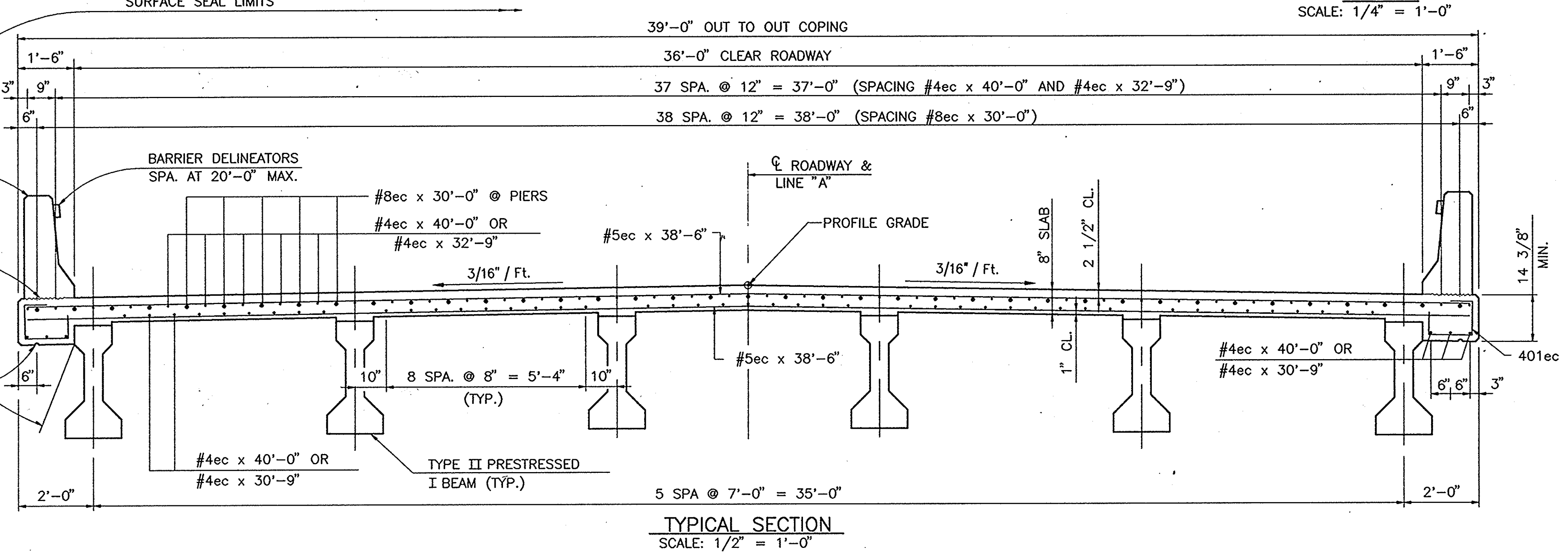
SCALE: - AS NOTED DATE: 11/14/96
 SUBMITTED FOR APPROVAL *[Signature]*

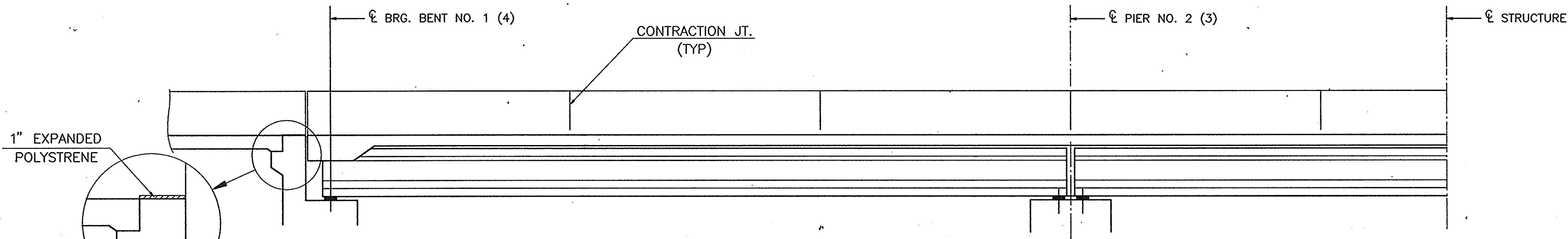
DRAWING: C10 of 14 SHEET: 32 of 105
 PROJECT: BRF-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: - 37-13-7146



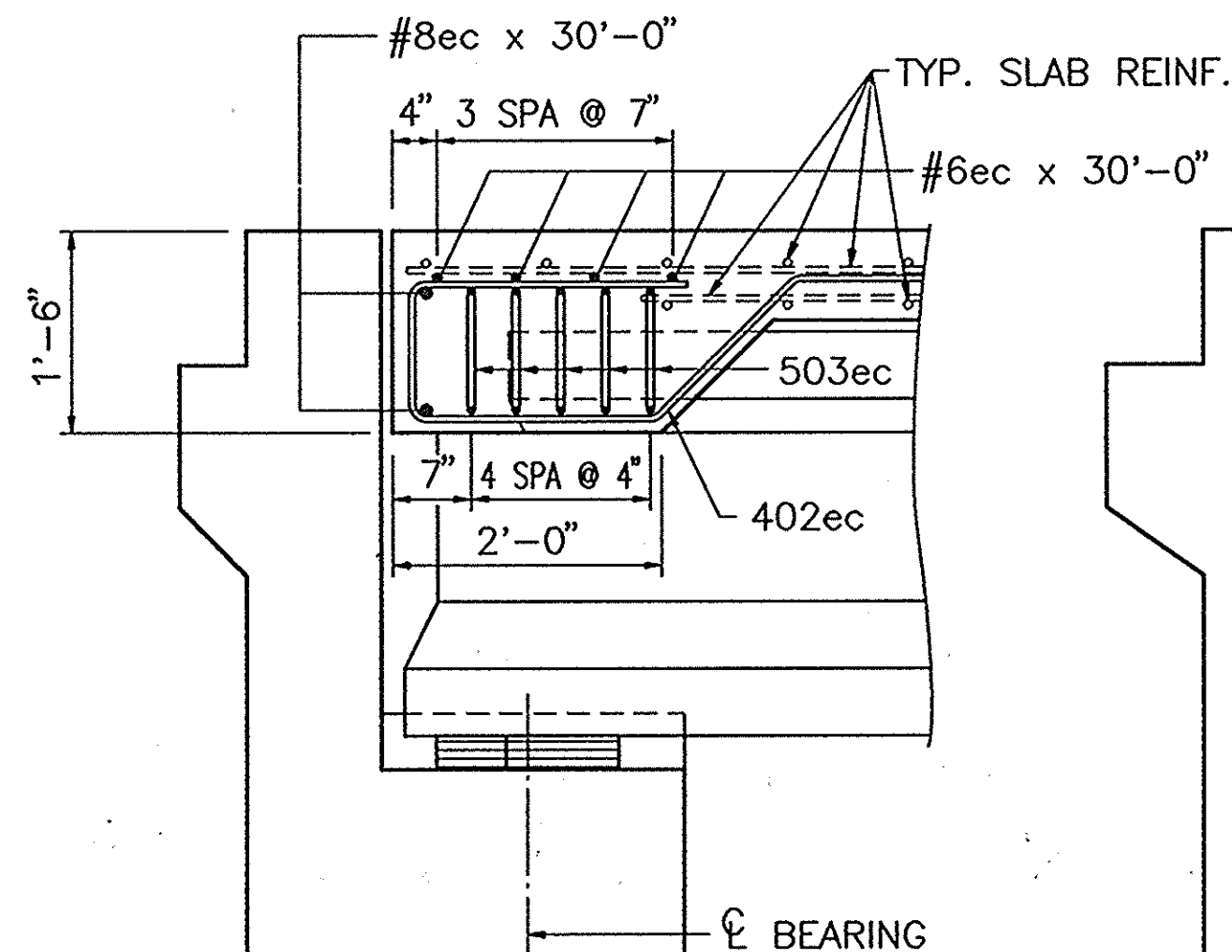
002B(SLAB) (48)

DESIGNED JSH 8-26-93 C/K'D M.H. 8-26-93
 DRAWN GH 8-26-93 C/K'D JSH 8-26-93
 TRACED C/K'D

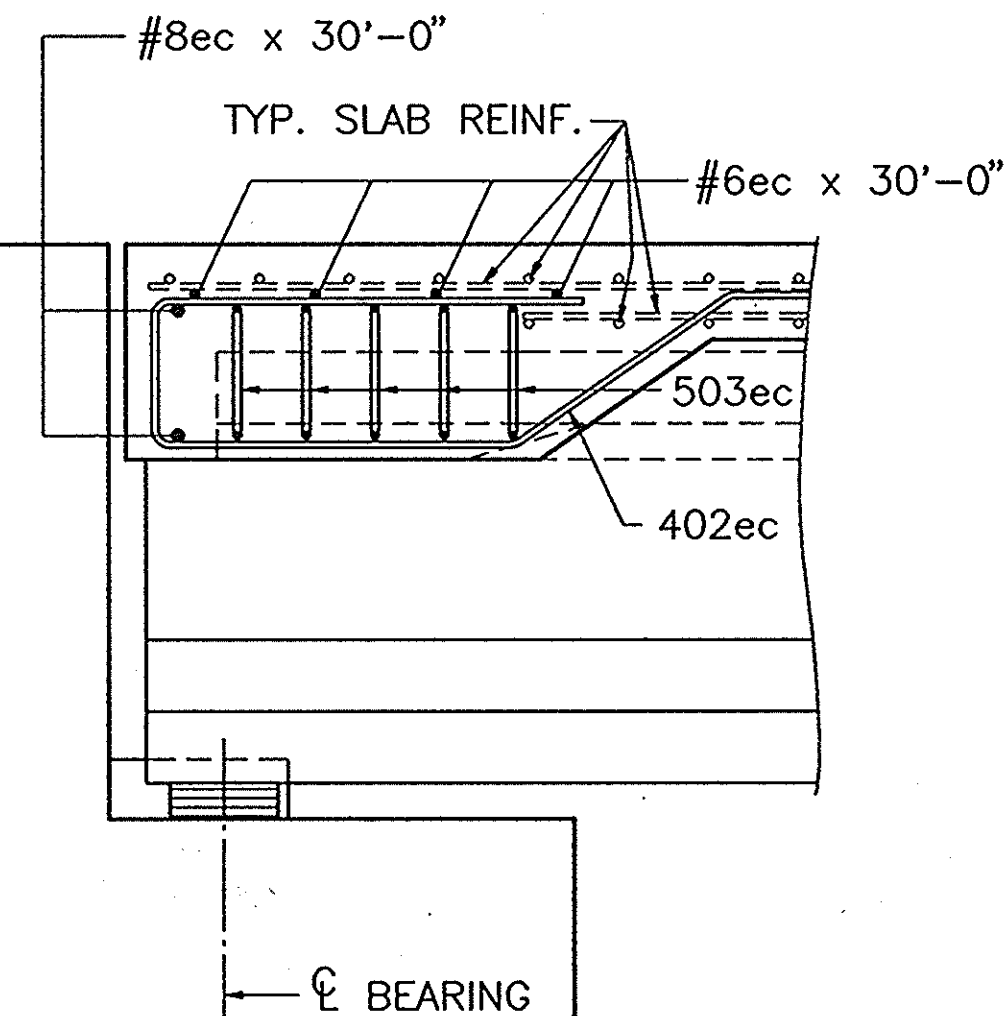




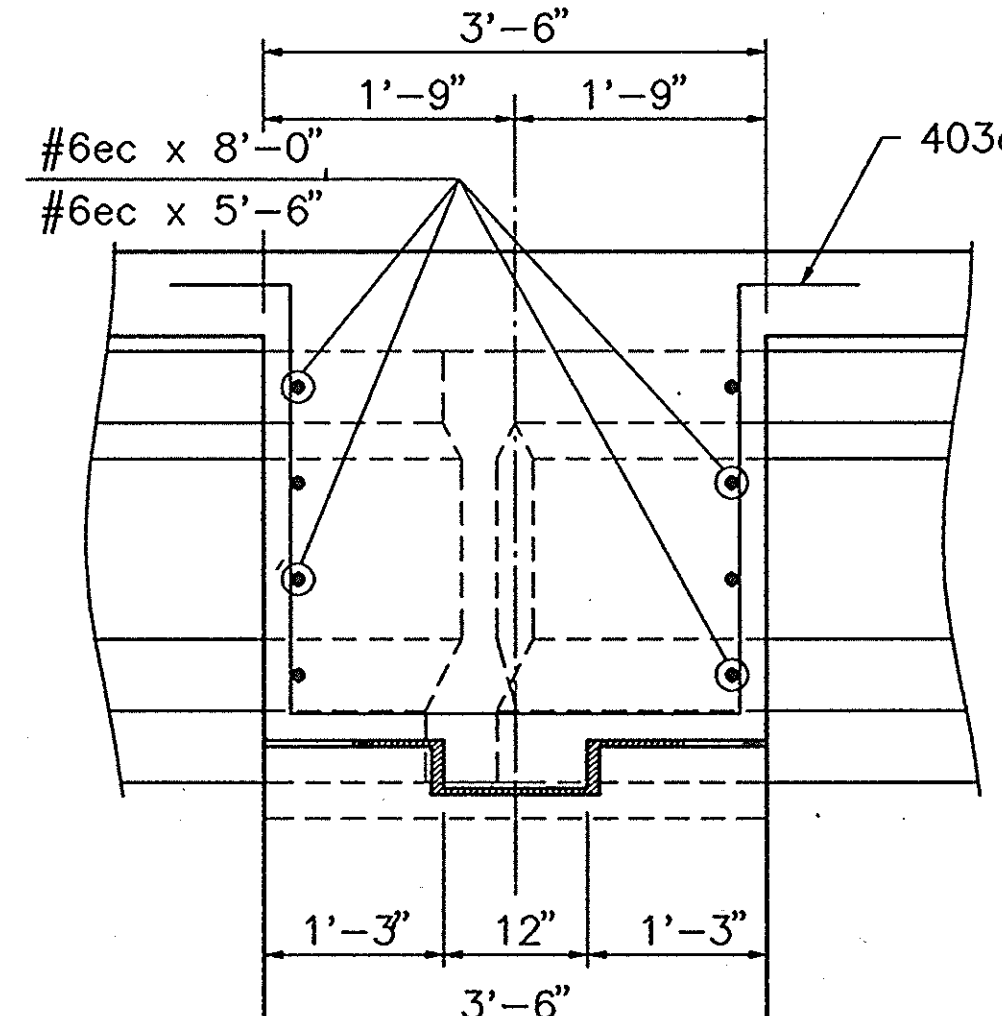
HALF ELEVATION
SCALE: 1/4" = 1'-0"



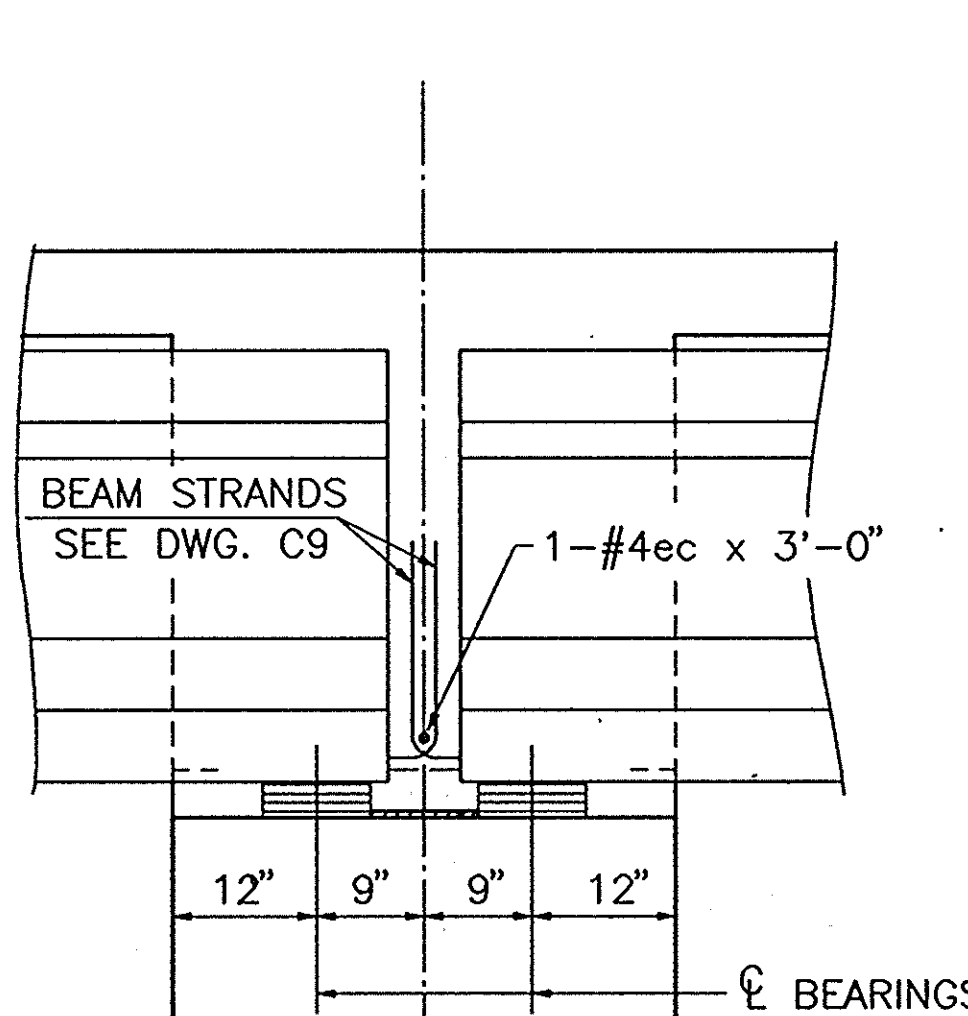
SECTION "A-A"
SCALE: 3/4" = 1'-0"



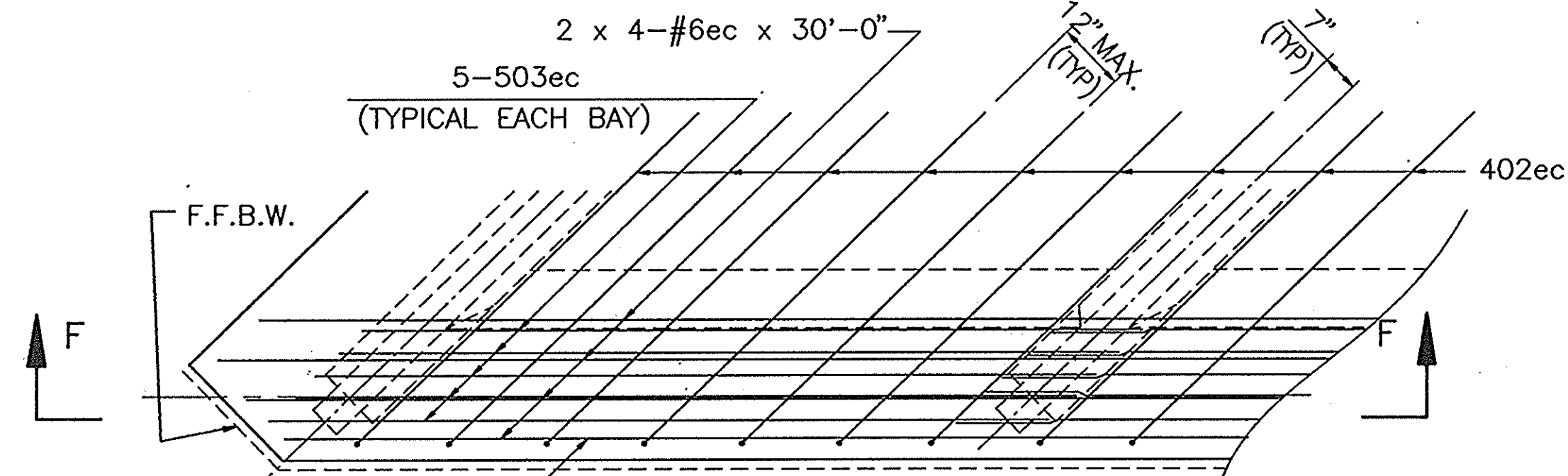
SECTION "B-B"
SCALE: 3/4" = 1'-0"



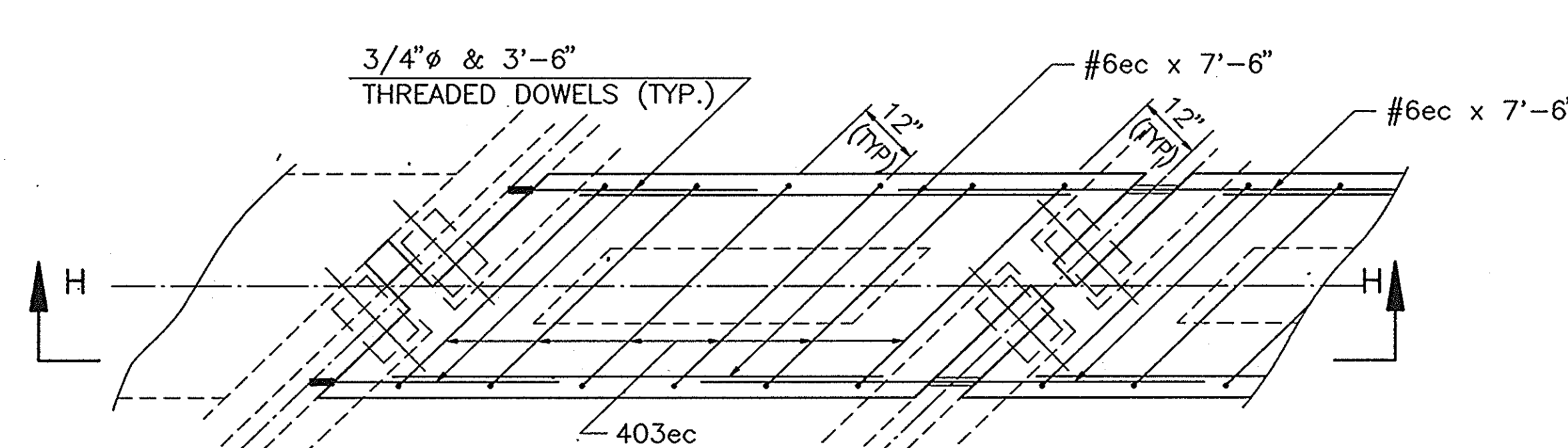
SECTION "C-C"
SCALE: 3/4" = 1'-0"



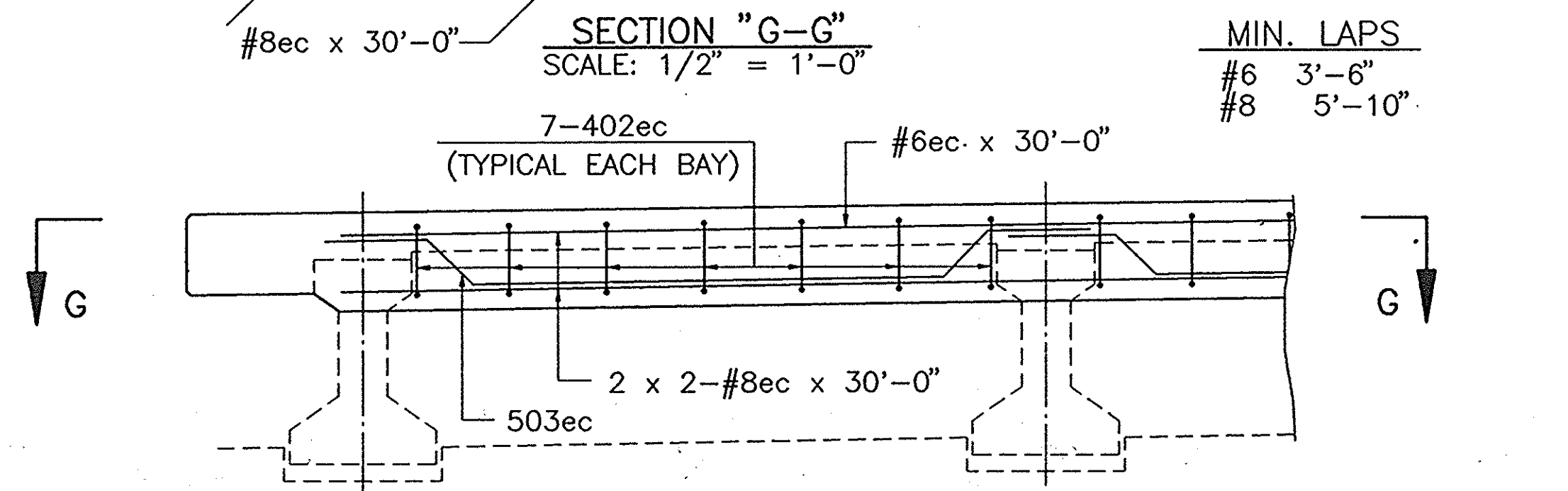
SECTION "D-D"
SCALE: 3/4" = 1'-0"



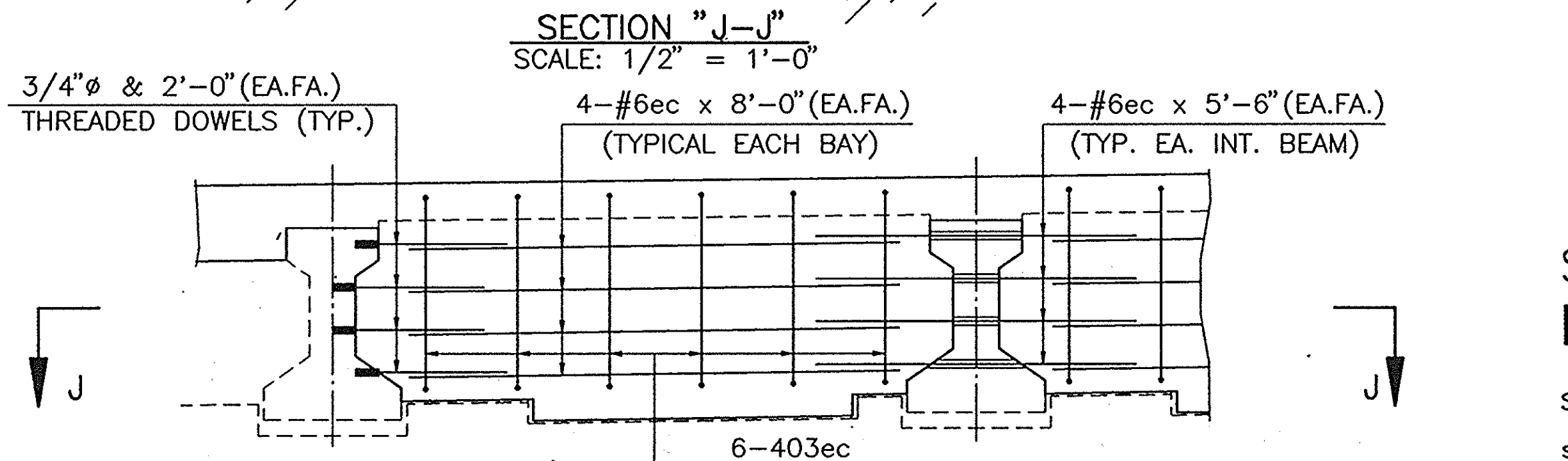
SECTION "G-G"
SCALE: 1/2" = 1'-0"



SECTION "J-J"
SCALE: 1/2" = 1'-0"



SECTION "F-F"
SCALE: 1/2" = 1'-0"



SECTION "H-H"
SCALE: 1/2" = 1'-0"

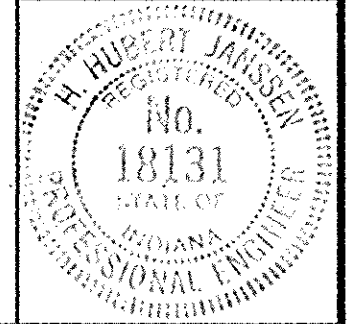
MIN. LAPS

#6	3'-6"
#8	5'-10"

SUPERSTRUCTURE DETAILS - DIAPHRAGM
INDIANA DEPARTMENT OF TRANSPORTATION
CRAWFORD COUNTY

SCALE: - AS NOTED
DATE: - 10/20/96

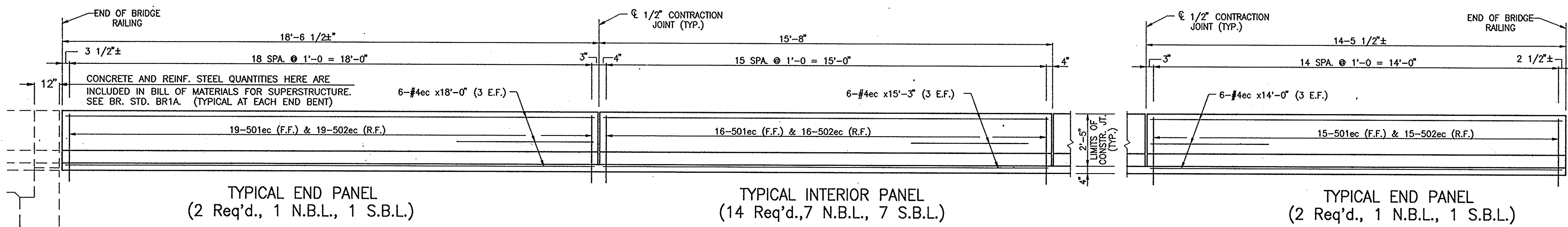
SUBMITTED FOR APPROVAL: *[Signature]*
DRAWING - C11 of 14 SHEET - 33 of 105
PROJECT: BRF-95-3(9)
CONTRACT NO. B-22063
BRIDGE FILE: - 37-13-7146



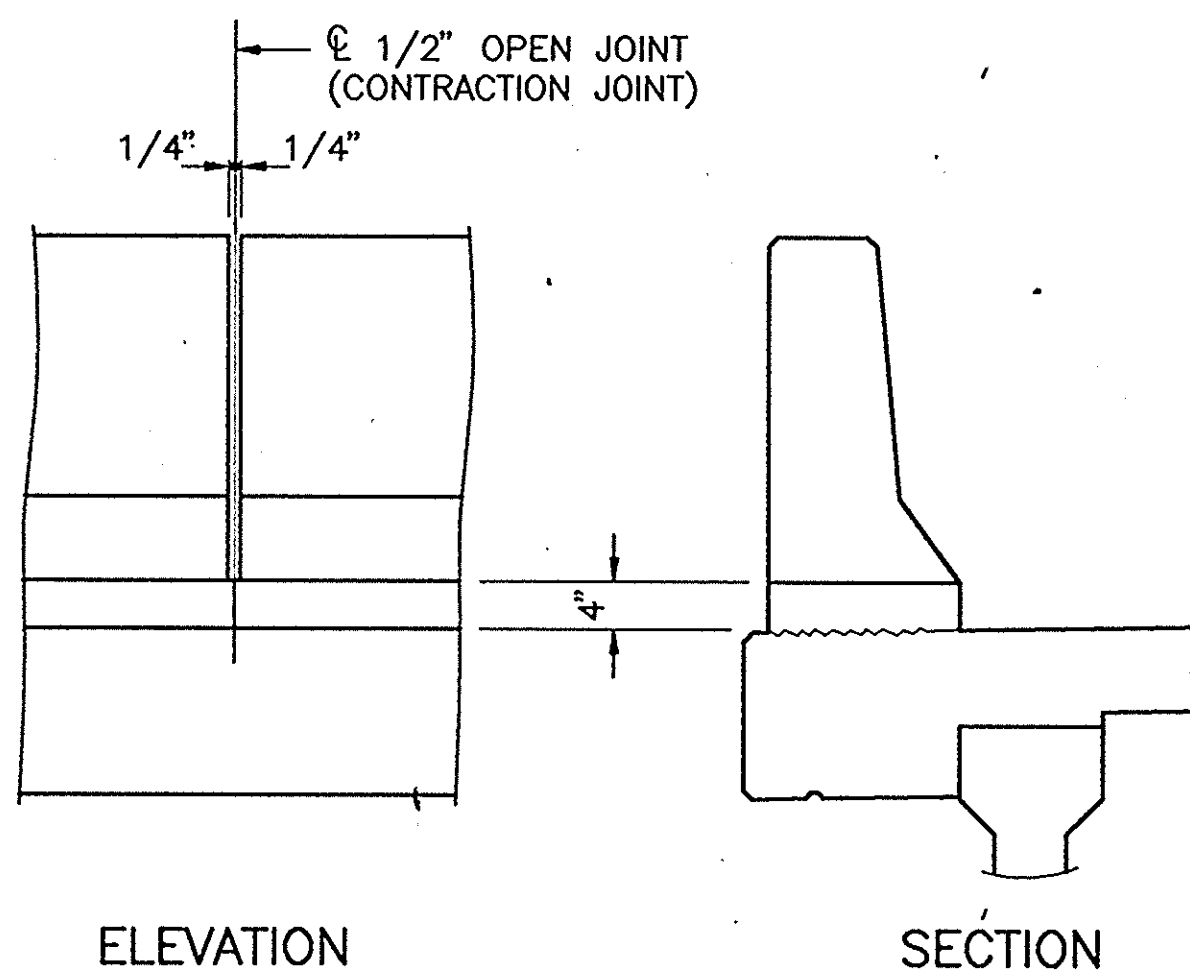
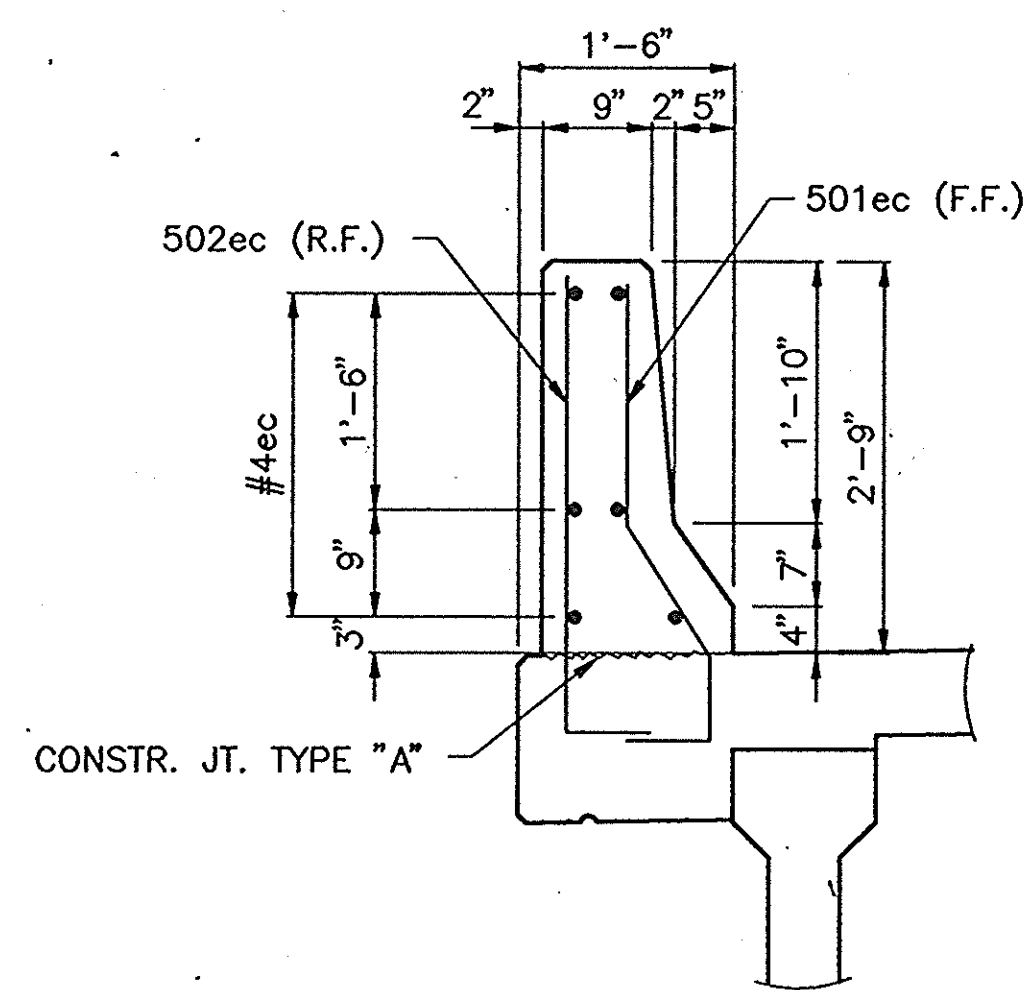
NOTE: SEE BR. STD. C1 FOR REINFORCING NOTES.

002E/SJAB2(48)

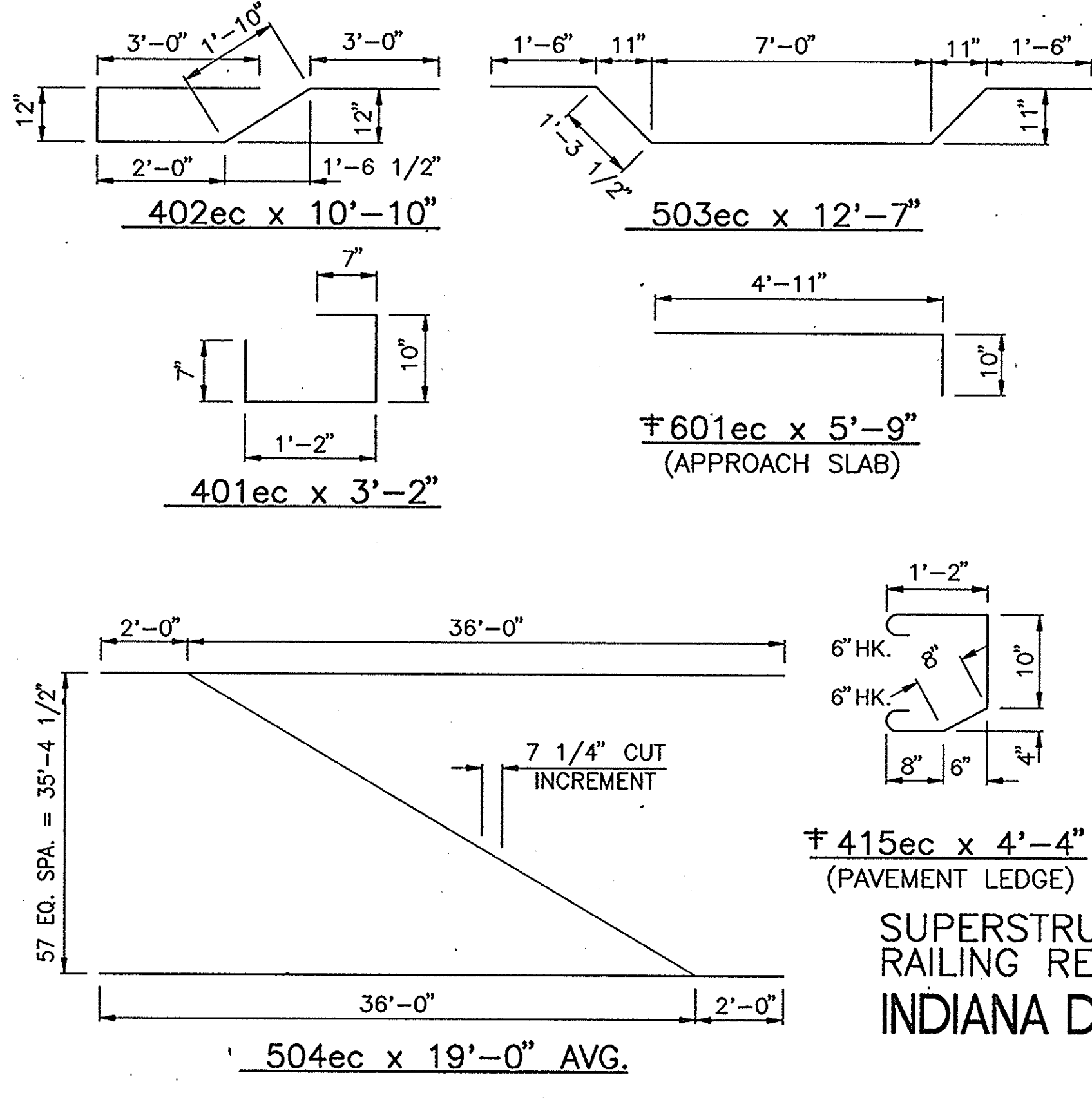
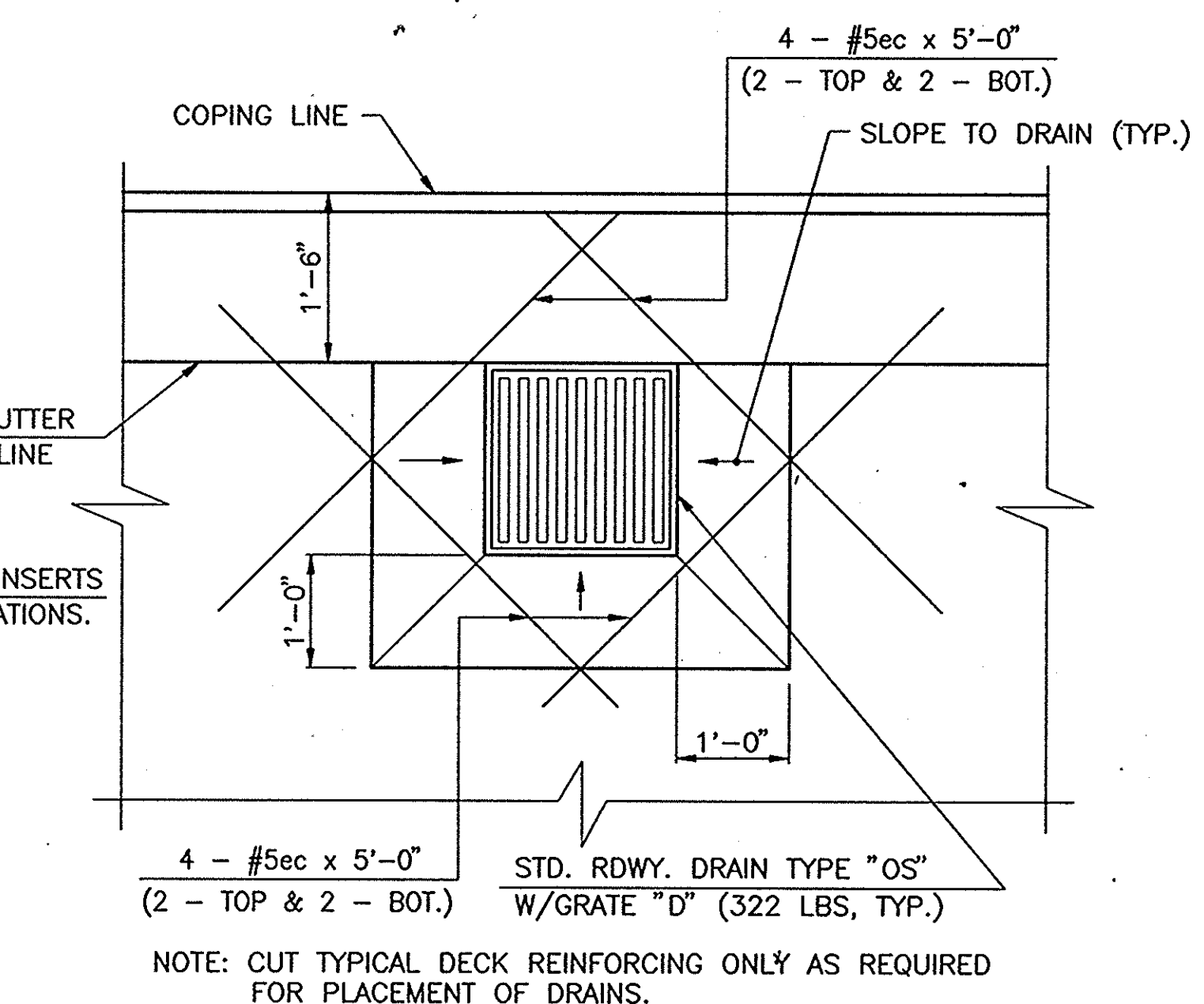
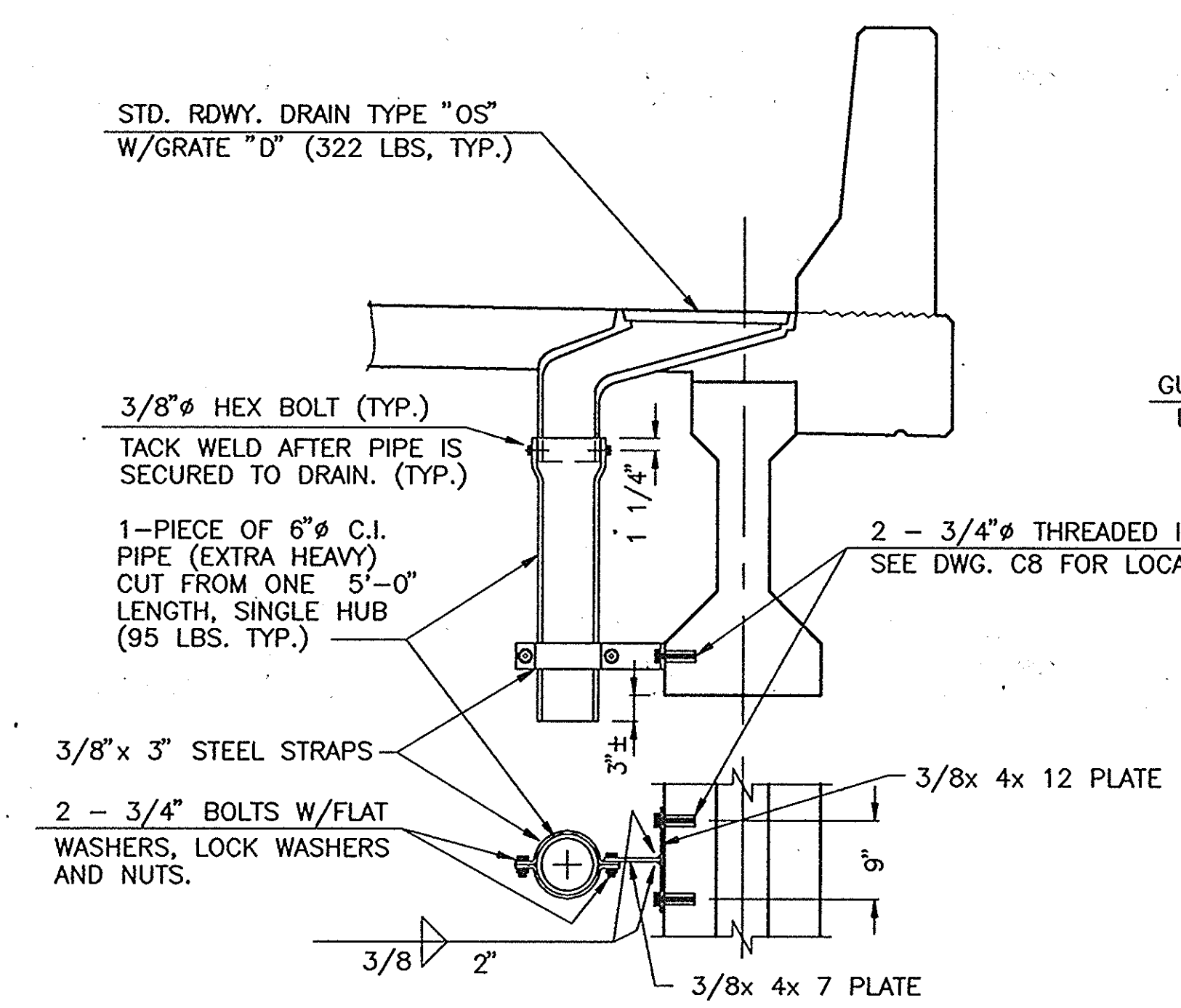
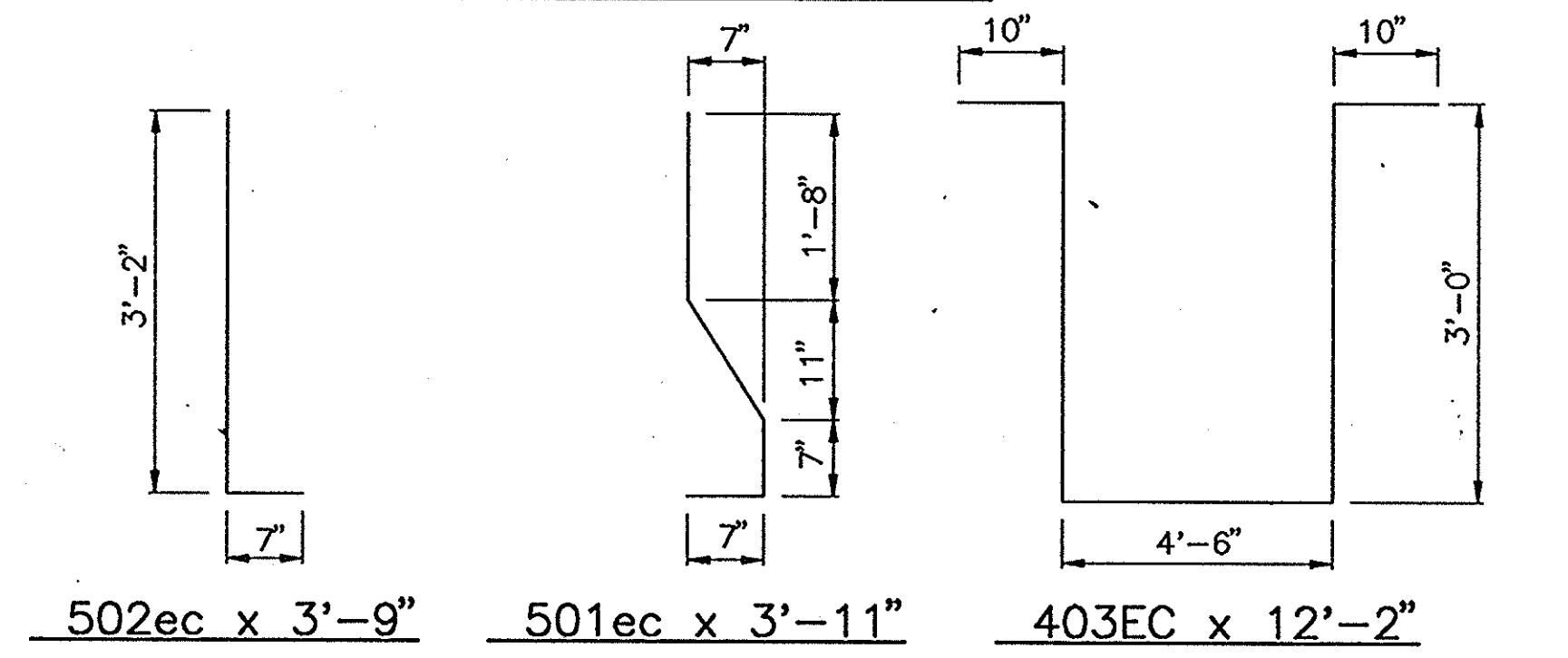
DESIGNED JRM 8-25-93 C/K'D MSH 8-25-93
DRAWN GH 8-25-93 C/K'D MSH 8-25-93
TRACED C/K'D



TYPICAL COPING RAILING ELEVATION
SCALE: 1/2" = 1'-0"



BAR SHAPES



BILL OF MATERIALS SUPERSTRUCTURE			
REINFORCING STEEL			
BAR MARK	NO. OF BARS	LENGTH FT - IN.	WEIGHT LBS.
† #8	88	30 - 0	
TOTAL #8			7049
601ec	104	5 - 9	
#6ec	16	30 - 0	
#6ec	144	7 - 6	
TOTAL #6			3121
501ec	292	3 - 11	
502ec	292	3 - 09	
503ec	50	12 - 7	
504ec	232	19 - 0	
#5ec	342	38 - 6	
#5ec	48	5 - 0	
● #5ec	16	2 - 6	
TOTAL #5			21614
401ec	288	3 - 2	
402ec	70	10 - 10	
†403ec	60	12 - 2	
415ec	114	4 - 4	
#4ec	182	40 - 0	
#4ec	80	32 - 9	
† #4ec	102	30 - 9	
#4ec	32	26 - 0	
#4ec	12	18 - 0	
#4ec	84	15 - 3	
#4ec	12	14 - 0	
● #4ec	24	3 - 9	
#4ec	12	3 - 0	
TOTAL #4			11737
TOTAL EPOXY COATED REINFORCING STEEL			43521
CONCRETE			
CLASS "C" IN SUPERSTRUCTURE			
POUR NO. 1			104.7 CYS.
POUR NO. 2			44.2 CYS.
POUR NO. 3			46.1 CYS.
BENT PAVEMENT LEDGES			12.5 CYS.
TOTAL CL."C" IN SUPERSTRUCTURE			207.5 CYS.
● CLASS "C" IN CONCRETE RAILING			28.2 CYS.
MISCELLANEOUS			
SURFACE SEAL			7,507 SFT.
BARRIER DELINEATORS			16 EA.
EXPANSION JOINT TYPE BS11			112 LFT.
RDWY. DRAINS, TYPE "OS" W/GRATE			
"D" - 4 @ 322 LBS. EACH			1,288 LBS.
6" Ø x 5'-0" C.I. PIPE (EXTRA HEAVY) SINGLE HUB (4 @ 95 LBS.)			380 LBS.

"ec" - DENOTES EPOXY COATED STEEL.
 † - BARS FROM END BENT, SEE DWG'S. C3,C4,C6 & C7.
 ● - QUANTITY INCLUDES CONCRETE RAILING OVER MUDWALL, SEE STD. BR-1A.

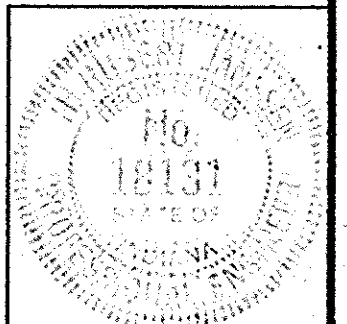
NOTES:
 1. FOR REINFORCING BAR NOTES, SEE BR. STD. C1.
 2. FOR CONSTRUCTION JOINT DETAILS AND OPTIONAL RAILING VERT. REINF. SPLICE, SEE BR. STD. C3.
 3. FOR GENERAL NOTES, SEE DWG. C2.
 4. FOR CONCRETE BRIDGE RAILING LAYOUT SEE DWG. C10.
 5. FOR ROADWAY DRAIN LOCATIONS SEE DWG. C2.

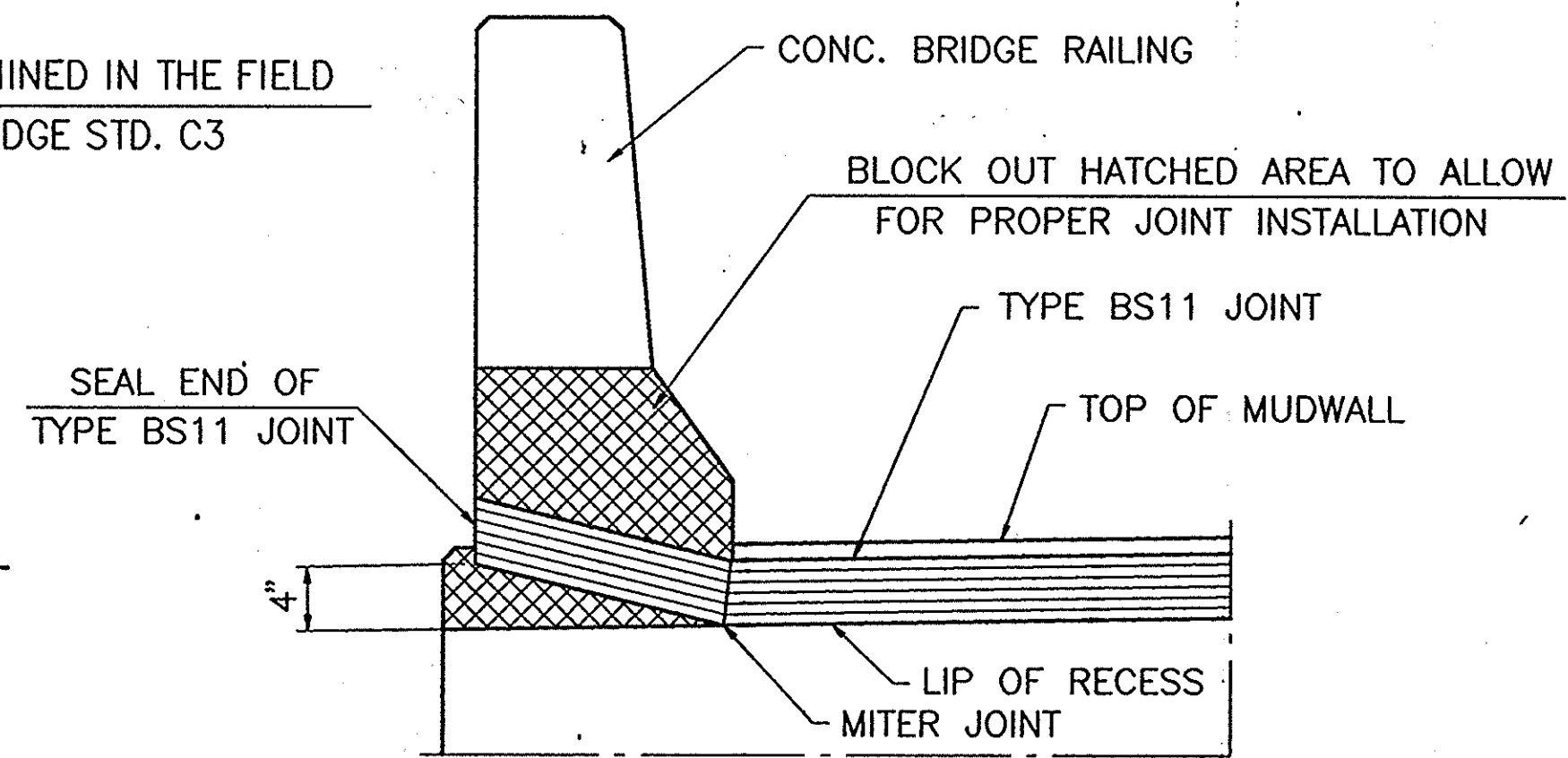
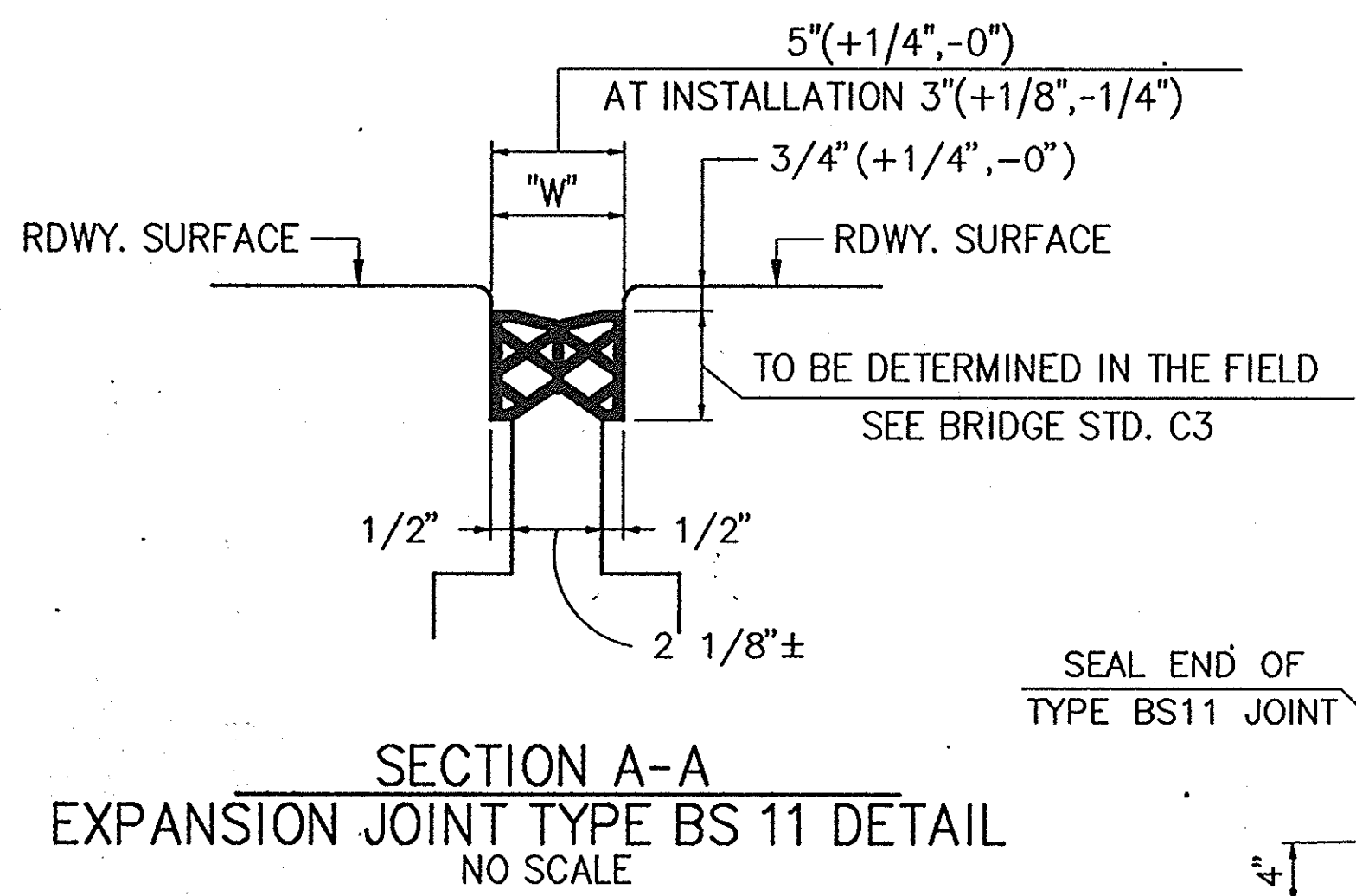
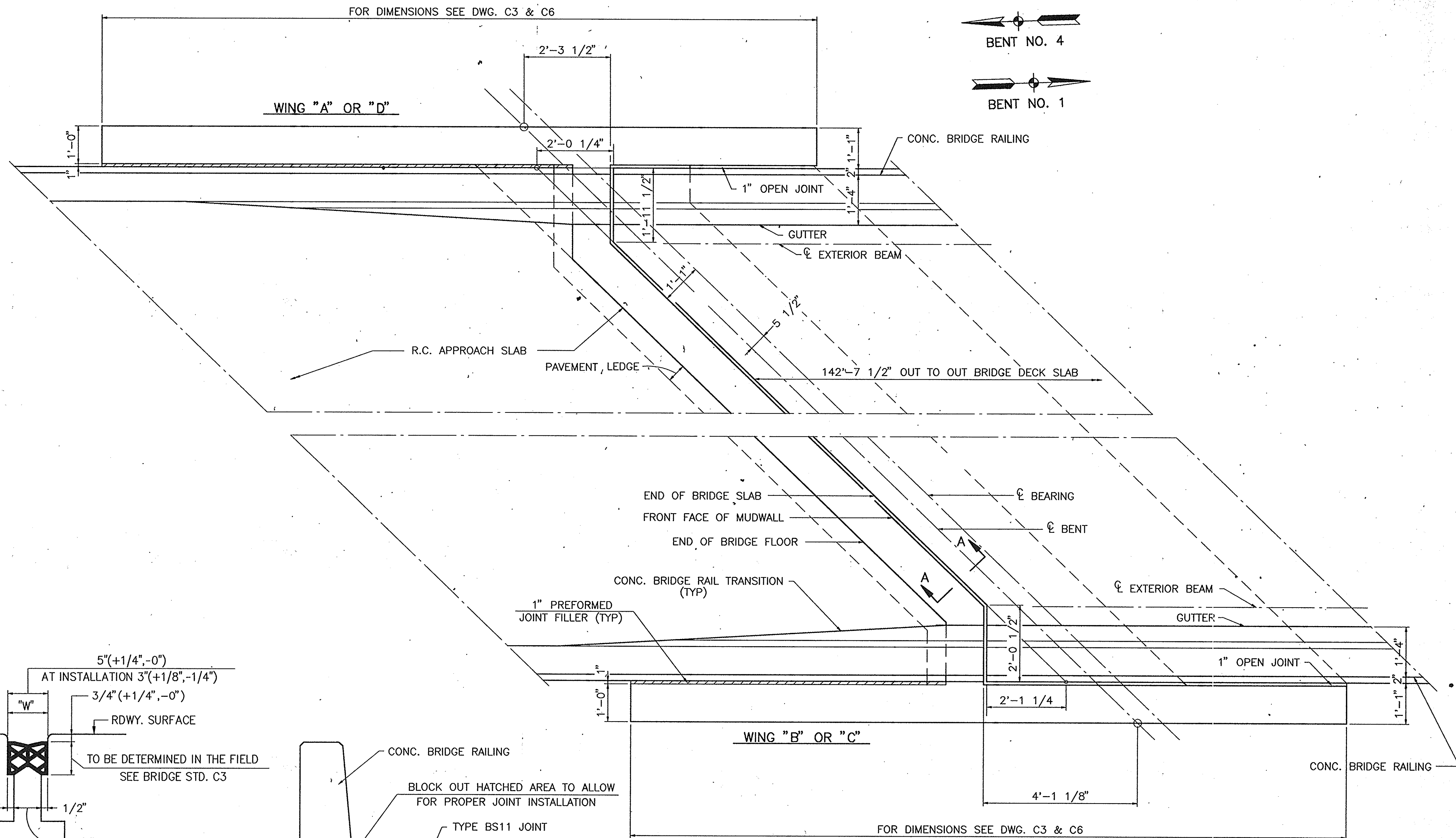
SUPERSTRUCTURE DETAILS
 RAILING REINFORCING & BILL OF MATERIALS
 INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY

SCALE: - AS NOTED
 DATE: - 12/20/96
 SUBMITTED FOR APPROVAL: [Signature]
 DRAWING: C12 OF 14 SHEET: 34 OF 105
 PROJECT: BR-95-3(9)
 CONTRACT NO. 8-23063
 BRIDGE FILE: 37-13-7146

002:SLABS(24)

DESIGNED: HUH 8-27-93 C.K'D. HUH 8-27-93
 DRAWN: QH 8-27-93 C.K'D. HUH 8-27-93
 TRACED: C.K'D.



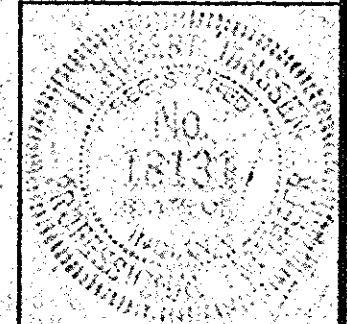


CORNER DETAILS BENT NO. 1 SHOWN
(BENT NO 4 OPPOSITE)

CORNER & EXPANSION JOINT DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION

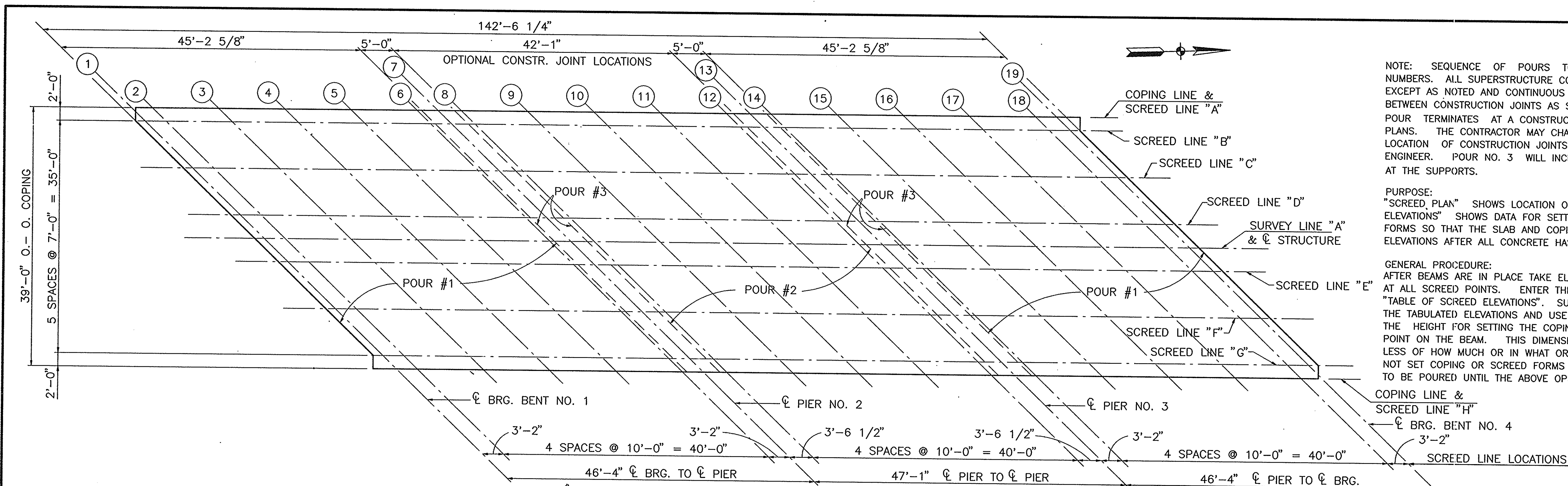
CRAWFORD COUNTY
SCALE: - 3/4" = 1'-0" U.N. DATE: - 11/25/94
SUBMITTED FOR APPROVAL

DRAWING: C13 OF 14 SHEET: 35 OF 99
PROJECT: BRF-95-3(9)
CONTRACT NO. 8-23063
BRIDGE FILE: - 37-13-7146



002B\SLAB4(16)

DESIGNED BY: 8-25-93	C.K'D. MR. 8-25-93
DRAWN: GH 8-25-93	C.K'D. MR. 8-25-93
TRACED: _____	C.K'D.



NOTE: SEQUENCE OF POURS TO BE MADE IN ORDER OF POUR NUMBERS. ALL SUPERSTRUCTURE CONSTRUCTION JOINTS ARE OPTIONAL EXCEPT AS NOTED AND CONTINUOUS CONCRETE POURS SHALL BE REQUIRED BETWEEN CONSTRUCTION JOINTS AS SHOWN ON DETAIL PLAN. POUR TERMINATES AT A CONSTRUCTION JOINT INDICATED ON THE PLANS. THE CONTRACTOR MAY CHANGE THE SEQUENCE OF POURS OR LOCATION OF CONSTRUCTION JOINTS SUBJECT TO APPROVAL OF THE ENGINEER. POUR NO. 3 WILL INCLUDE THE DIAPHRAGMS AT THE SUPPORTS.

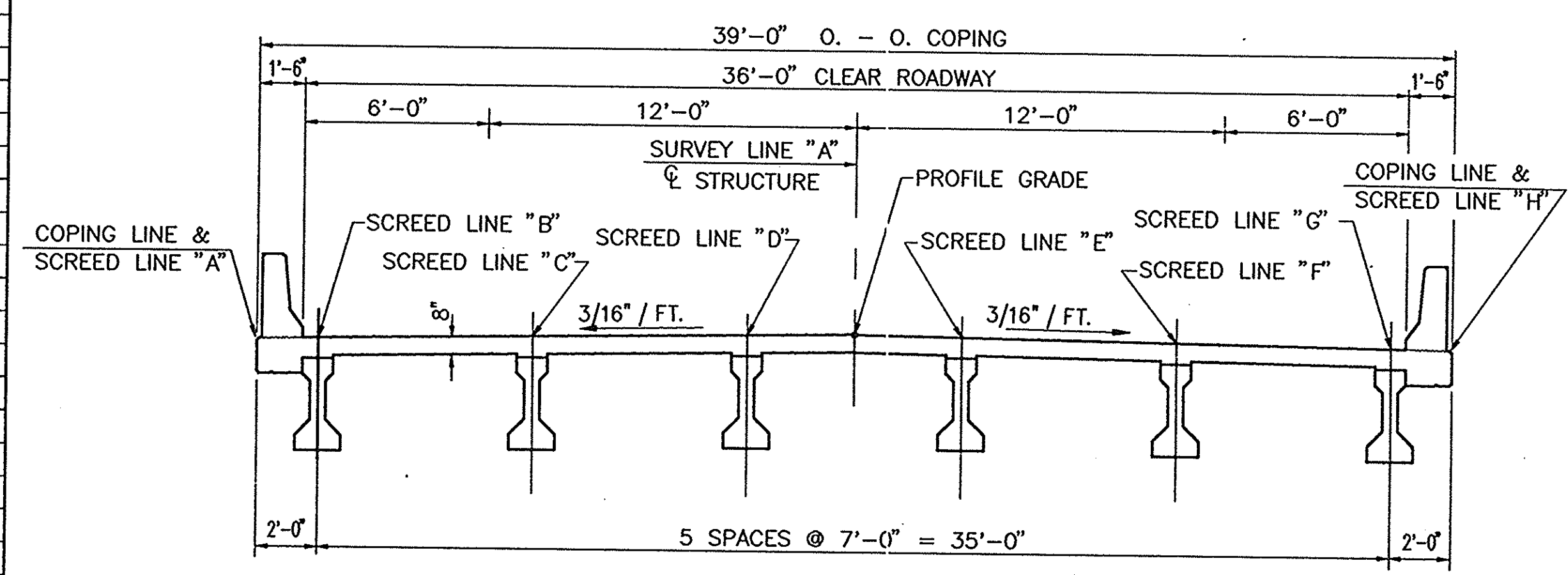
PURPOSE: "SCREED PLAN" SHOWS LOCATION OF SCREEDS. "TABLE OF SCREED ELEVATIONS" SHOWS DATA FOR SETTING SCREEDS AND COPING FORMS SO THAT THE SLAB AND COPINGS WILL BE AT THE FINAL GRADE ELEVATIONS AFTER ALL CONCRETE HAS BEEN POURED.

GENERAL PROCEDURE: AFTER BEAMS ARE IN PLACE TAKE ELEVATIONS OF TOP OF THE BEAM AT ALL SCREED POINTS. ENTER THESE ELEVATIONS IN THE "TABLE OF SCREED ELEVATIONS". SUBTRACT THESE ELEVATIONS FROM THE TABULATED ELEVATIONS AND USE THE RESULTING DIMENSIONS AS THE HEIGHT FOR SETTING THE COPING OR SCREED FORM ABOVE THAT POINT ON THE BEAM. THIS DIMENSION REMAINS CONSTANT REGARDLESS OF HOW MUCH OR IN WHAT ORDER THE CONCRETE IS POURED. DO NOT SET COPING OR SCREED FORMS BY LEVELING. NO CONCRETE IS TO BE POURED UNTIL THE ABOVE OPERATIONS ARE COMPLETED.

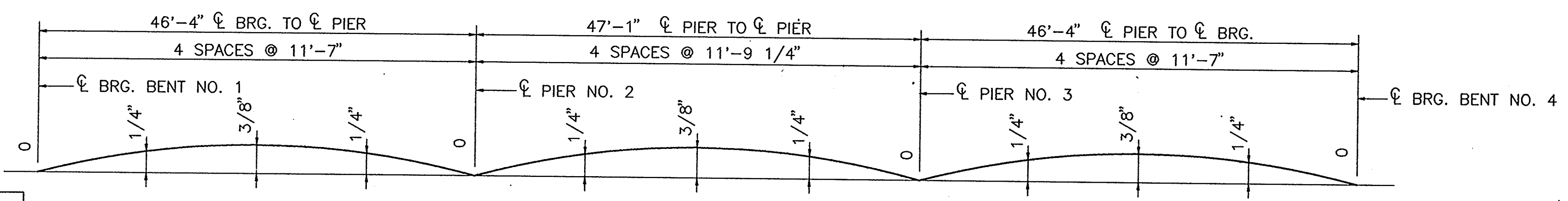
SCREED PLAN & POUR SEQUENCE DIAGRAM
 SCALE 1/4" = 1'-0"

TABLE OF SCREED ELEVATIONS

POINT LINE	LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	ELEV. OF TOP COPING FORM	531.525	531.495	531.405	531.305	531.195	531.085	531.045	531.020	530.950	530.865	530.780	530.685	530.650	530.635	530.580	530.515	530.450	530.370	530.345
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF COPING																			
B	ELEV. OF TOP SCREED	531.530	531.505	531.410	531.315	531.210	531.095	531.060	531.035	530.960	530.880	530.795	530.700	530.665	530.650	530.595	530.535	530.465	530.390	530.365
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
C	ELEV. OF TOP SCREED	531.560	531.535	531.445	531.350	531.245	531.135	531.100	531.080	531.010	530.930	530.845	530.755	530.720	530.710	530.655	530.600	530.535	530.460	530.435
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
D	ELEV. OF TOP SCREED	531.590	531.565	531.480	531.390	531.290	531.180	531.145	531.125	531.055	530.985	530.900	530.815	530.780	530.770	530.720	530.665	530.600	530.530	530.510
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
E	ELEV. OF TOP SCREED	531.610	531.585	531.500	531.410	531.310	531.205	531.170	531.150	531.080	531.010	530.930	530.845	530.810	530.800	530.750	530.700	530.635	530.570	530.545
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
F	ELEV. OF TOP SCREED	531.335	531.310	531.230	531.145	531.050	530.950	530.915	530.895	530.835	530.765	530.690	530.610	530.575	530.565	530.525	530.475	530.415	530.355	530.330
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
G	ELEV. OF TOP SCREED	531.155	531.130	531.055	530.970	530.880	530.780	530.750	530.730	530.670	530.605	530.535	530.465	530.425	530.415	530.375	530.325	530.275	530.210	530.190
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF SCREED																			
H	ELEV. OF TOP COPING FORM	531.100	531.080	531.005	530.920	530.830	530.735	530.700	530.680	530.625	530.560	530.490	530.410	530.380	530.370	530.330	530.285	530.235	530.170	530.150
	ELEV. TOP OF BEAM																			
	DIST. TOP BEAM TO TOP OF COPING																			



SECTION 1 CL STRUCTURE
 SCALE 1/4" = 1'-0"



CONCRETE DEAD LOAD CAMBER DIAGRAM
 (USED FOR SCREED ELEVATIONS)

NOTE: FOR GENERAL NOTES, SEE DWG. C2.

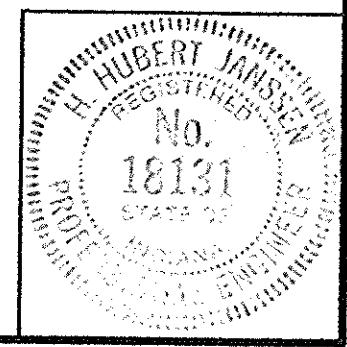
SCREDS AND POUR SEQUENCE
 INDIANA DEPARTMENT OF TRANSPORTATION

CRAWFORD COUNTY, IN
 SCALE: 1/4" = 1'-0" DATE: 12/20/96

SUBMITTED FOR APPROVAL

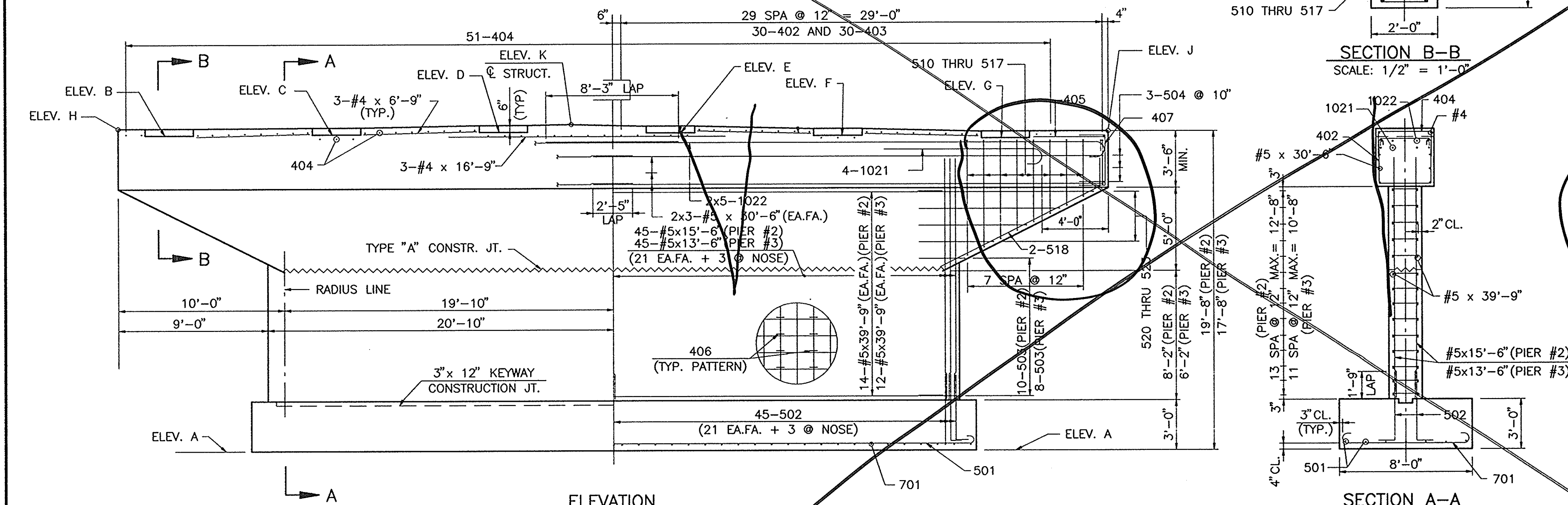
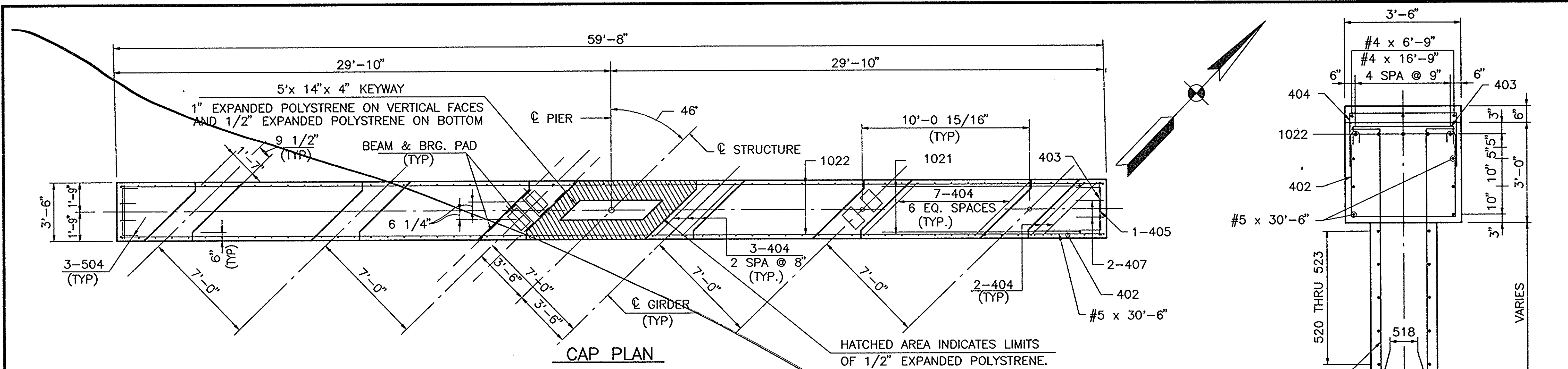
DRAWING: C14 OF 14 SHEET: 36 OF 105
 PROJECT: BRF-95-3(9)

CONTRACT NO. 8-23063
 BRIDGE FILE: 37-13-7146

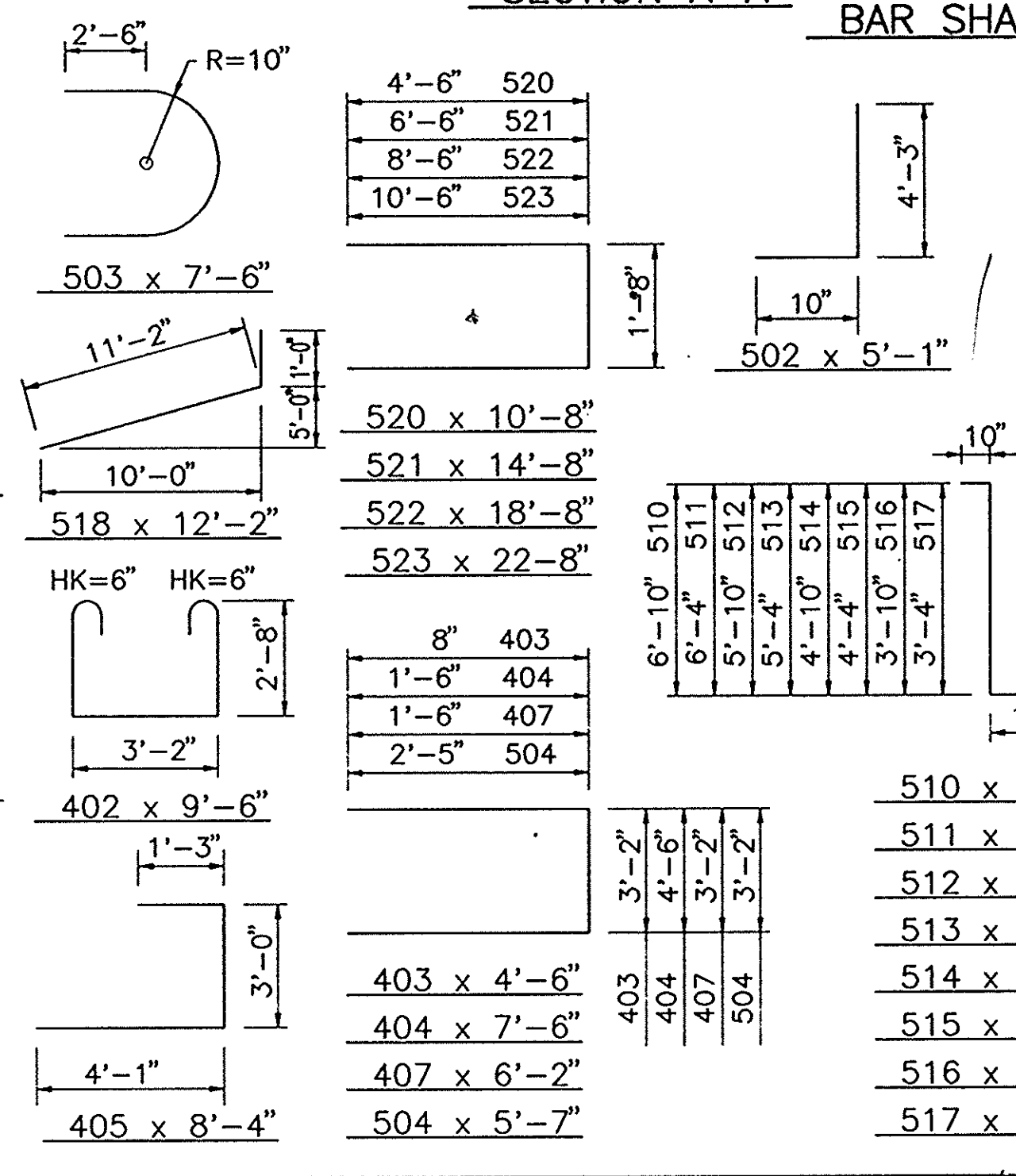
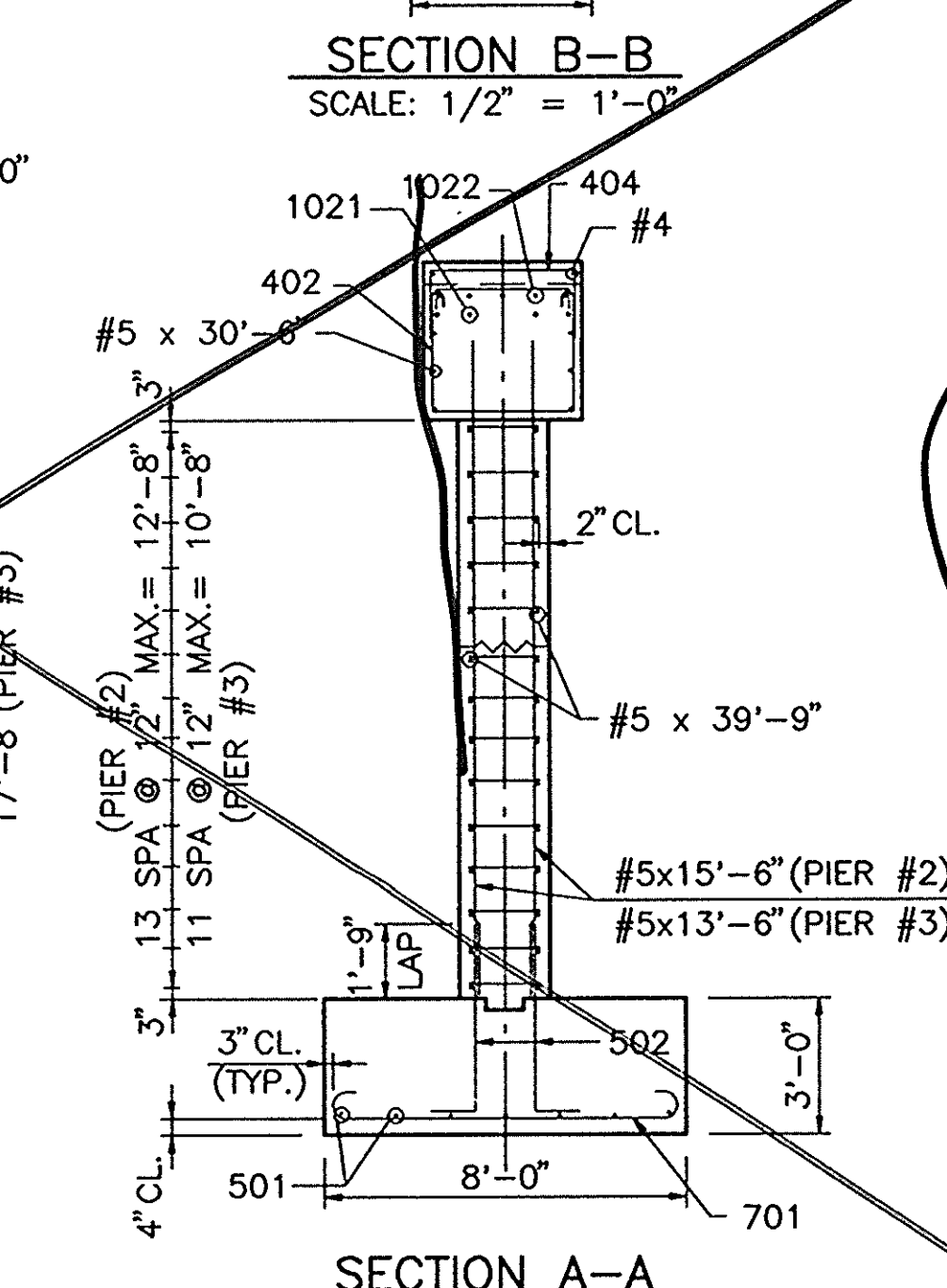
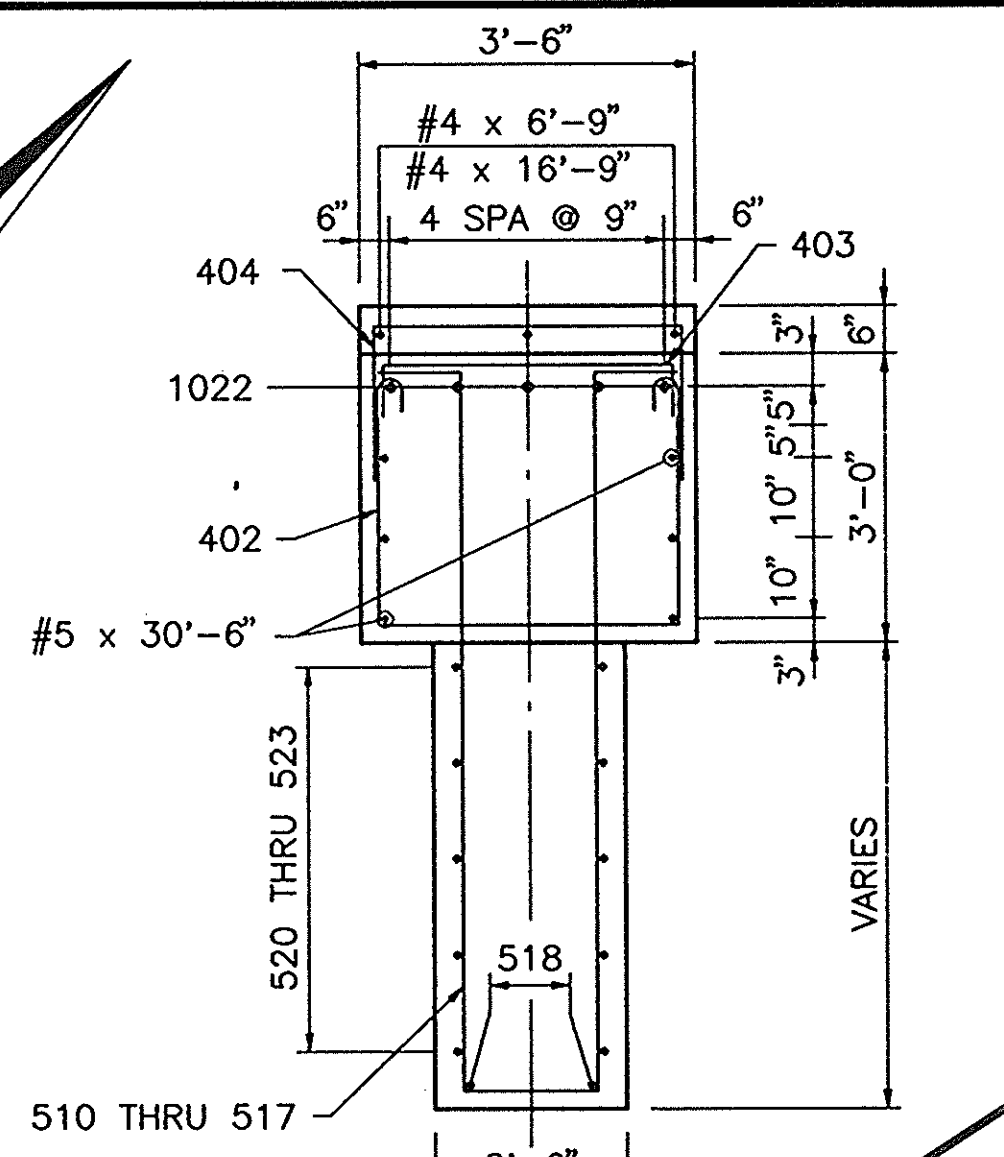
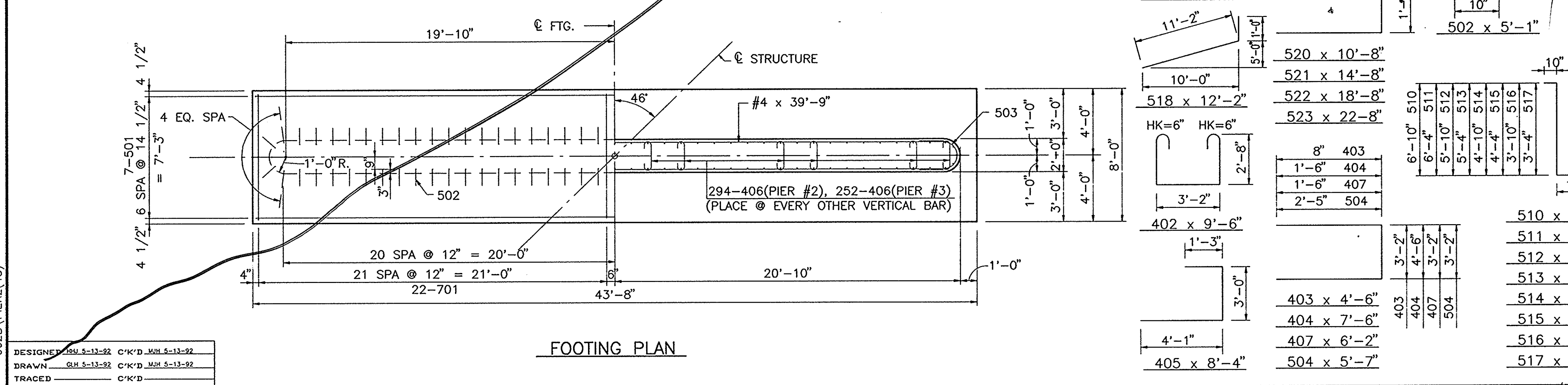


002B(SLABS)(48)

DESIGNED: MRL 3-25-92 C/K'D: MRL 3-25-92
 DRAWN: GH 3-25-92 C/K'D: MRL 3-25-92
 TRACED: C/K'D



LOCATION	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	ELEV. F	ELEV. G	ELEV. H	ELEV. J	ELEV. K
PIER NO. 2	507.97	527.06	527.10	527.14	527.08	526.91	526.75	527.56	527.64	527.30
PIER NO. 3	509.61	526.66	526.72	526.78	526.73	526.57	526.42	527.16	527.28	526.97



BILL OF MATERIALS PIER NO. 2				BILL OF MATERIALS PIER NO. 3			
REINFORCING STEEL				REINFORCING STEEL			
BAR MARK	NO. OF BARS	LENGTH FT. IN.	WEIGHT LBS.	BAR MARK	NO. OF BARS	LENGTH FT. IN.	WEIGHT LBS.
1021	8	13-05		1021	8	13-05	
1022	10	33-10		1022	10	33-10	
TOTAL #10			1918	TOTAL #10			1918
701	44	9-02		701	44	9-02	
TOTAL #7			824	TOTAL #7			824
501	7	44-04		501	7	44-04	
502	88	5-01		502	88	5-01	
503	20	7-06		503	16	7-06	
504	6	5-07		504	6	5-07	
510	2	16-10		510	2	16-10	
511	2	15-10		511	2	15-10	
512	2	14-10		512	2	14-10	
513	2	13-10		513	2	13-10	
514	2	12-10		514	2	12-10	
515	2	11-10		515	2	11-10	
516	2	10-10		516	2	10-10	
517	2	9-10		517	2	9-10	
518	4	12-02		518	4	12-02	
520	2	10-08		520	2	10-08	
521	2	14-08		521	2	14-08	
522	2	18-08		522	2	18-08	
523	2	22-08		523	2	22-08	
#5	28	39-09		#5	24	39-09	
#5	12	30-06		#5	12	30-06	
#5	88	15-06		#5	88	13-06	
TOTAL #5			4358	TOTAL #5			3977
402	60	9-00		402	60	9-00	
403	60	4-06		403	60	4-06	
404	57	7-06		404	57	7-06	
405	2	8-04		405	2	8-04	
406	294	2-08		406	252	2-08	
407	4	6-02		407	4	6-02	
#4	2	16-09		#4	2	16-09	
#4	12	6-09		#4	12	6-09	
TOTAL #4			1444	TOTAL #4			1370
TOTAL REINFORCING STEEL			8545	TOTAL REINFORCING STEEL			8089
CONCRETE				CONCRETE			
CLASS "B" IN FOOTING		38.9 CYS.		CLASS "B" IN FOOTING		38.9 CYS.	
CLASS "A" IN ABOVE FOOTING		25.0 CYS.		CLASS "A" IN ABOVE FOOTING		18.9 CYS.	
CLASS "A" IN CAP		46.1 CYS.		CLASS "A" IN CAP		46.1 CYS.	
MISCELLANEOUS				MISCELLANEOUS			
SURFACE SEAL		238 SFT.		SURFACE SEAL		238 SFT.	

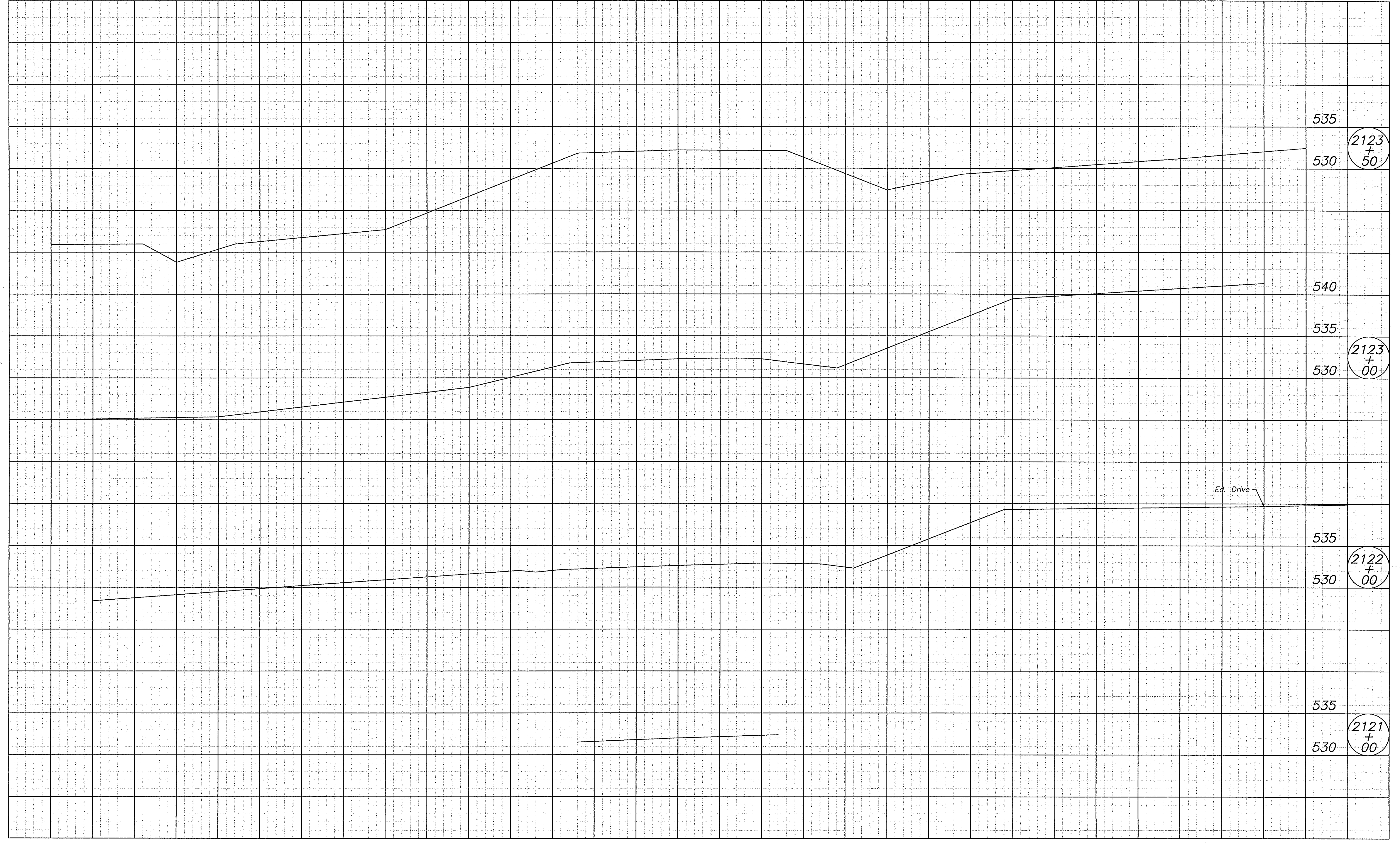
NOTES:

- MAX. ALLOWABLE BEARING PRESSURE FOR PIERS NO. 2 AND NO. 3 IS 15 KSF.
- ALL EXCAVATED ROCK TO BE PROOF TESTED.
- FOOTINGS TO BE KEYED MIN. 2'-0" INTO BED ROCK.
- ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
- ALL CONCRETE ABOVE FOOTING IS CLASS "A".
- ALL CONCRETE IN FOOTING IS CLASS "B".
- SEE BR. STD. C1 FOR REINFORCING NOTES.
- SEE BR. STD. C2 FOR CONSTRUCTION JOINT TYPE "A".

PIER NO. 2 & NO. 3 DETAILS
 INDIANA DEPARTMENT OF TRANSPORTATION
 CRAWFORD COUNTY
 SCALE: - 1/4" = 1'-0"
 DATE: 12/20/96
 SUBMITTED FOR APPROVAL: [Signature]
 DRAWING: C5 OF 14 SHEET: 27 OF 105
 PROJECT: BR-95-3(9)
 CONTRACT NO. B-23063
 BRIDGE FILE: - 37-13-7146

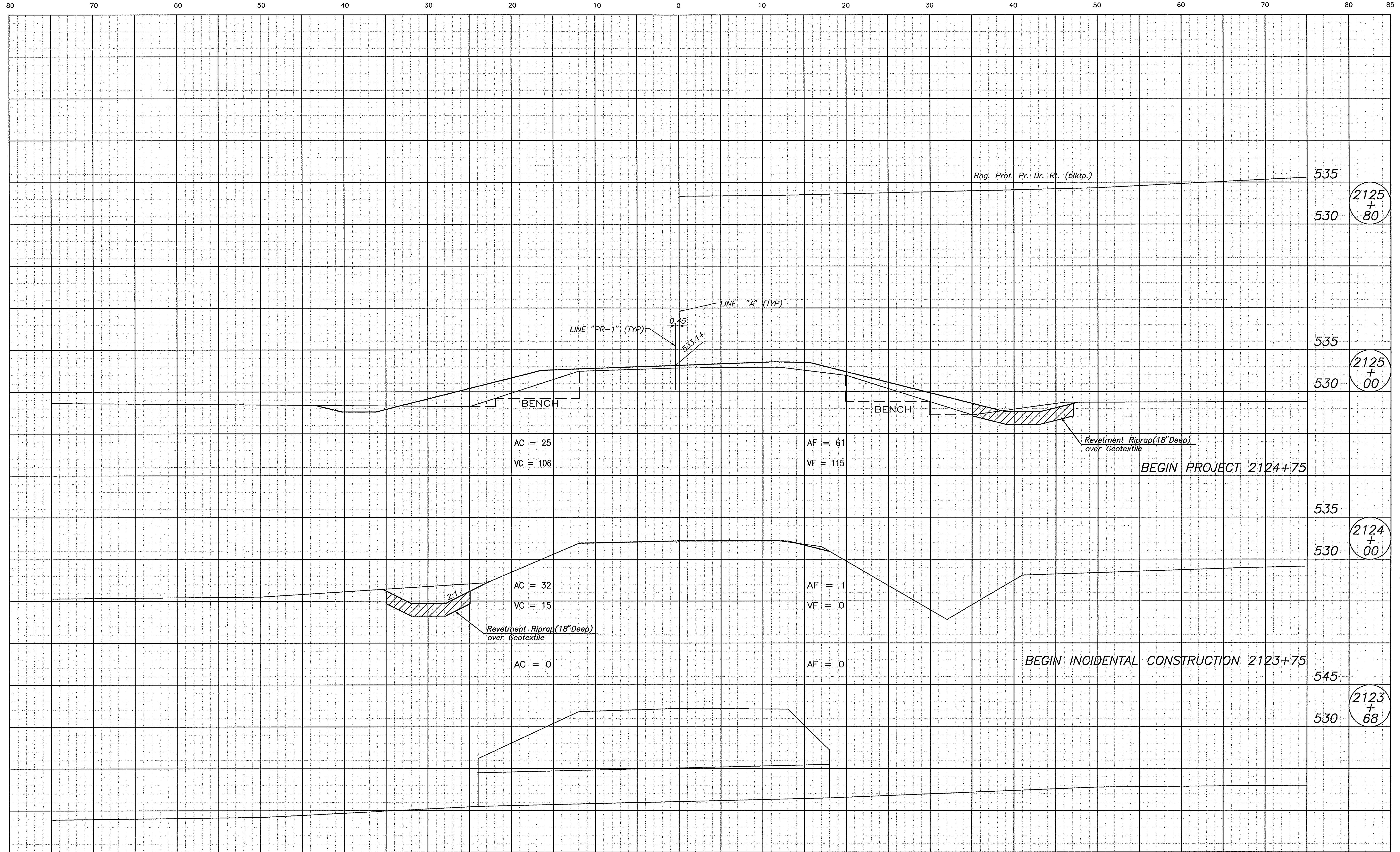
002B\PIER2(46)
 DESIGNER: [Signature] 5-13-92 C/K/D, MM 5-13-92
 DRAWN: [Signature] 5-13-92 C/K/D, MM 5-13-92
 TRACED: [Signature] C/K/D

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 85



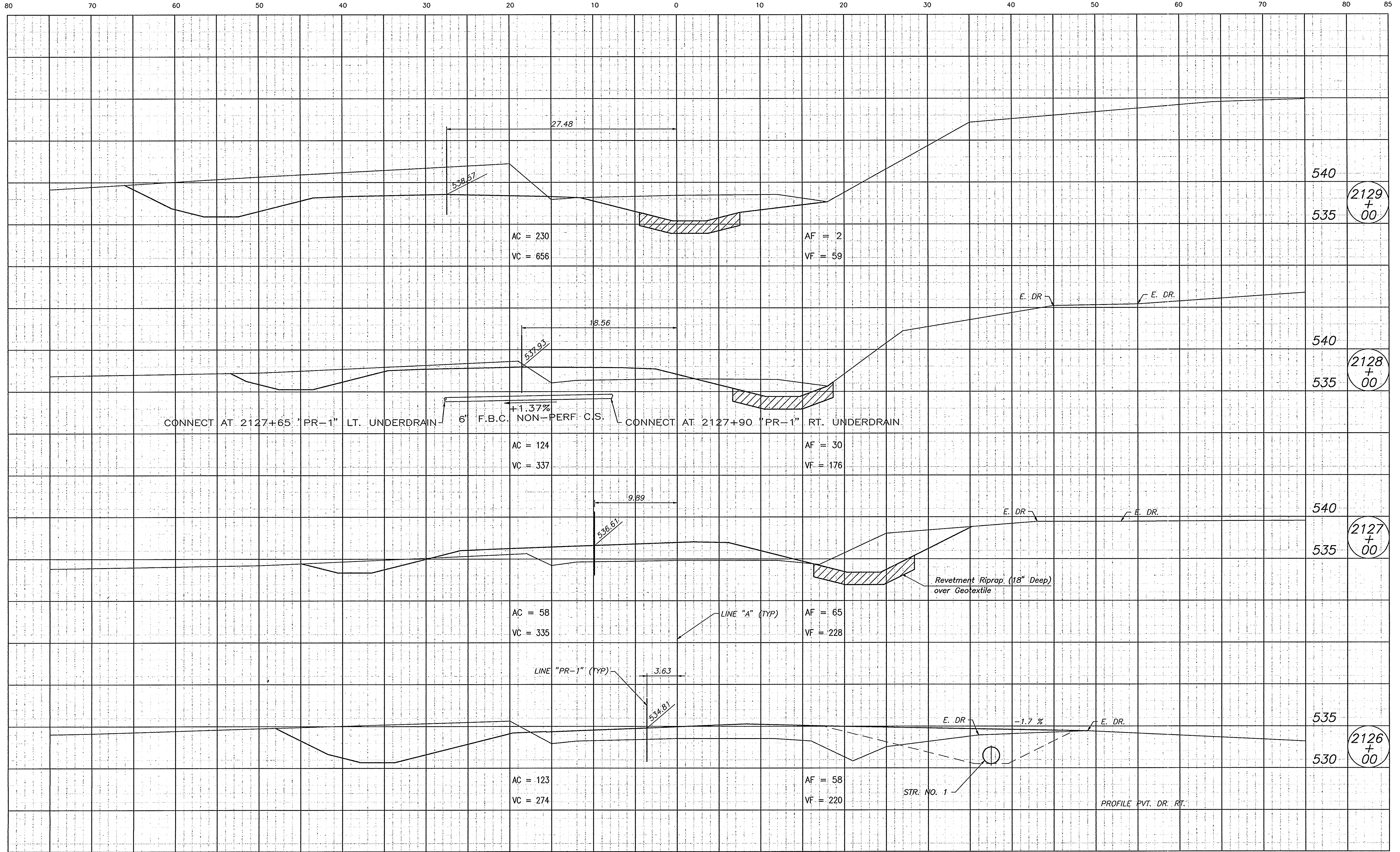
002\DOH\SEC1

8-23062				70	80	85
LEVEL BOOK NO.			FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
5	IND.	F-95-3(9)		38	105	
LINE "A"						



002\100H\SEC2

B-23063				70	80	85
LEVEL BOOK NO.			FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
5	IND.	F-95-3(9)		39	105	
LINE "A"						



AC = 230
VC = 656

AF = 2
VF = 59

AC = 124
VC = 337

AF = 30
VF = 176

AC = 58
VC = 335

AF = 65
VF = 228

AC = 123
VC = 274

AF = 58
VF = 220

540
535
2129
+
00

540
535
2128
+
00

540
535
2127
+
00

535
530
2126
+
00

CONNECT AT 2127+65 "PR-1" LT. UNDERDRAIN 6" F.B.C. NON-PERF. C.S. +1.37% CONNECT AT 2127+90 "PR-1" RT. UNDERDRAIN

Revetment Riprap (18" Deep)
over Geotextile

LINE "A" (TYP)

LINE "PR-1" (TYP)

STR. NO. 1

PROFILE PVT. DR. RT.

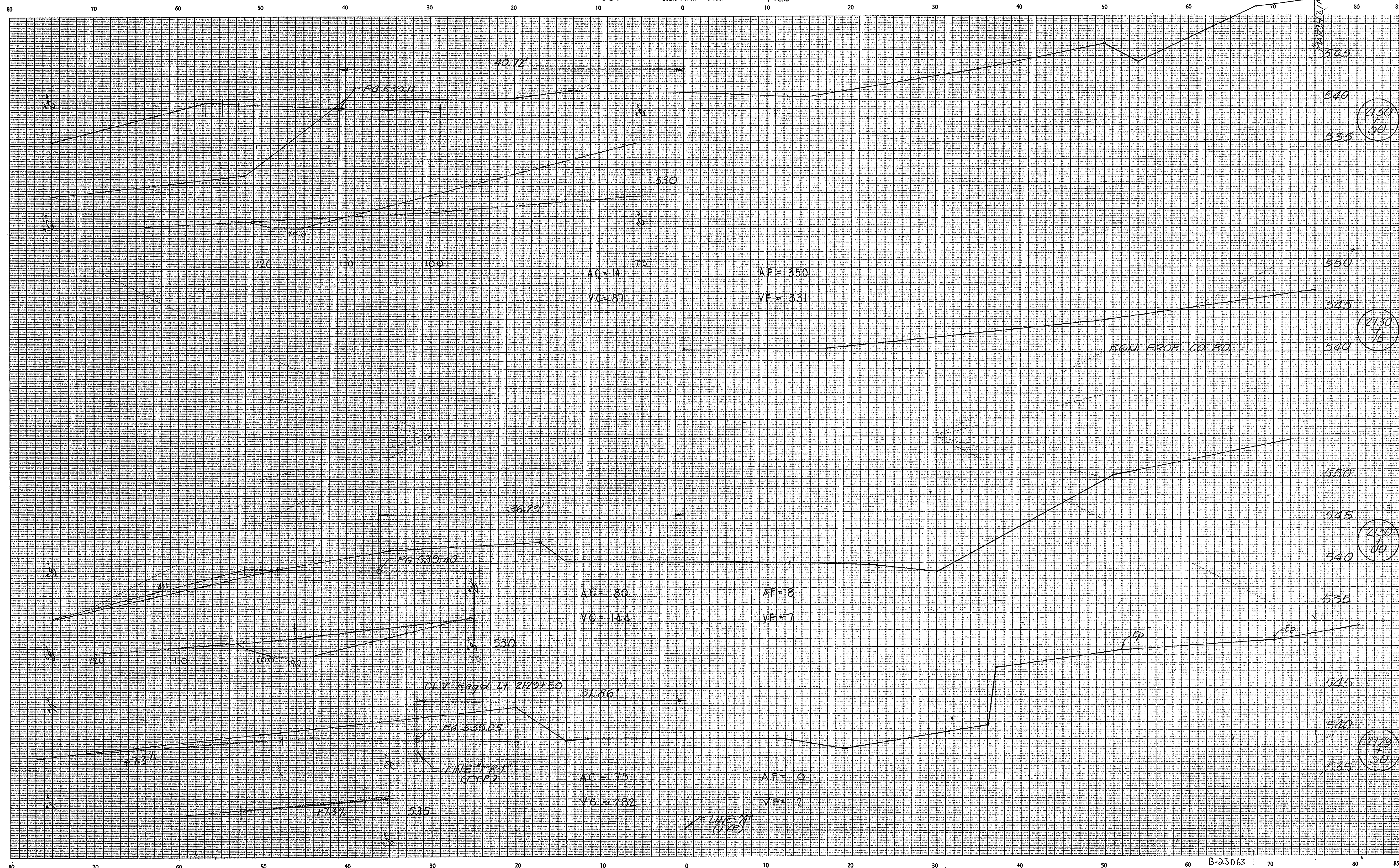
002\DOH\SEC3

B-23063

LEVEL BOOK NO.		FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		40	105

LINE "A"

CROSS SECTIONS
Scale 1 inch = 5 feet



2130
50

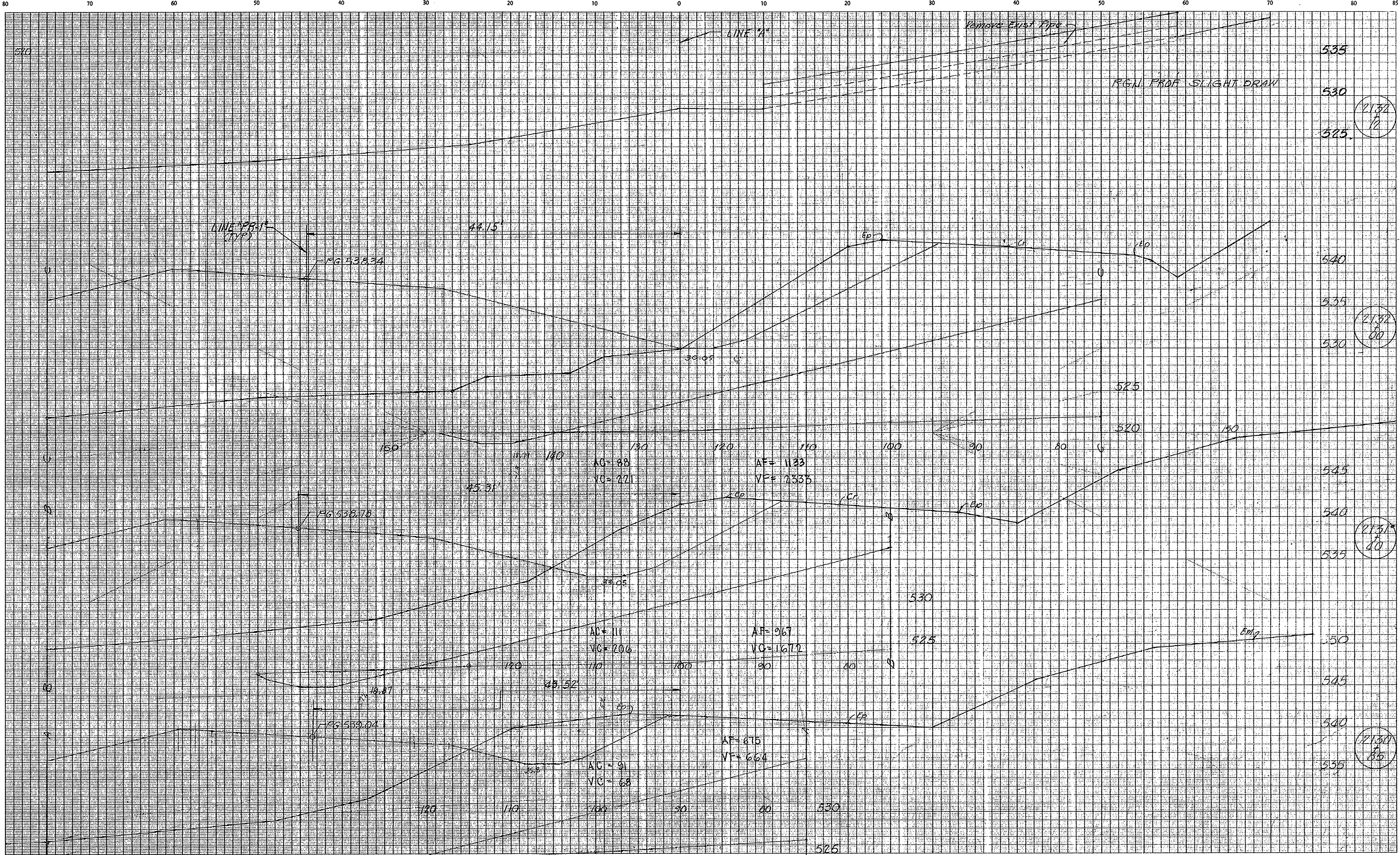
2130
75

2130
100

2129
50

LEVEL BOOK NO. B-23063					
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	FILE SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		41	105
					LINE 4

CUT CROSS SECTIONS FILL
Scale 1 inch = 5 feet



2132
80

2132
80

2131
80

2130
80

LEVEL BOOK NO.		8-23063		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		42	105

LINE 74"

CROSS SECTIONS
Scale 1 inch = 5 feet

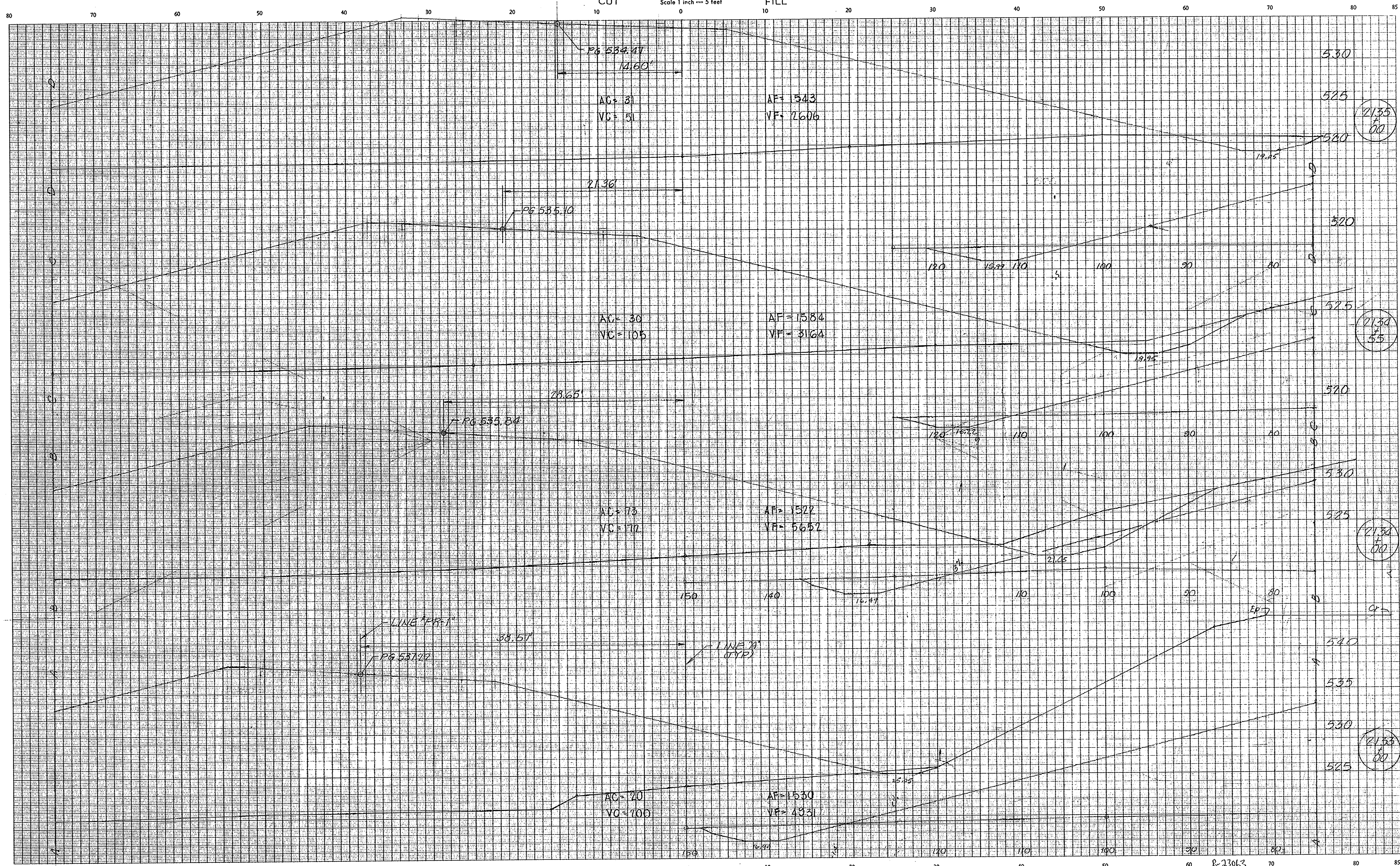


PLATE 1
September, 1973

LEVEL BOOK NO. 8-23063		FILE	
FEDERAL ROAD REGION NO. 5	STATE IND. F-95-3(9)	FISCAL YEAR	SHEET NO. 43
		PROJECT NO.	TOTAL SHEETS 105
LINE 'A'			

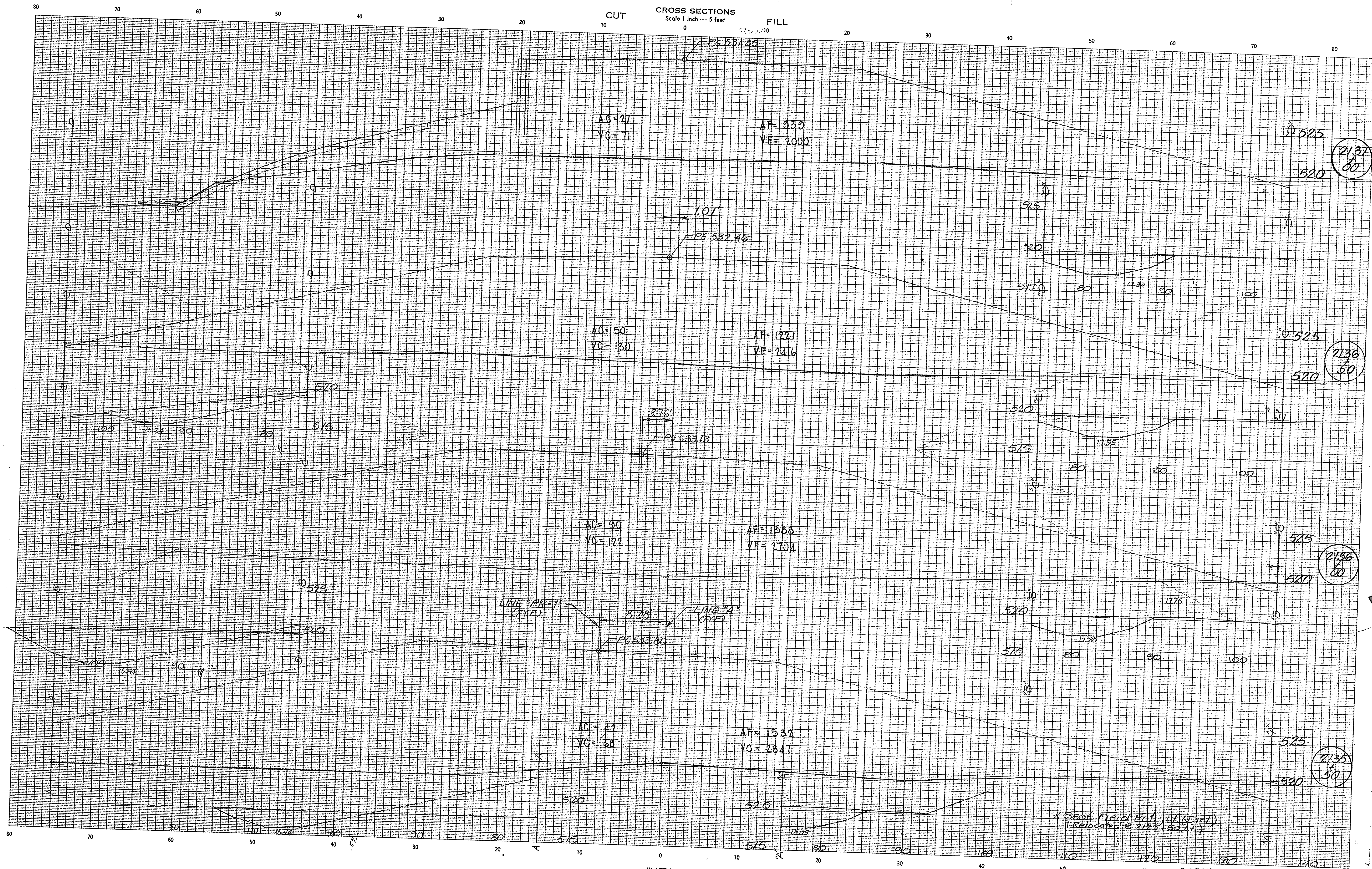
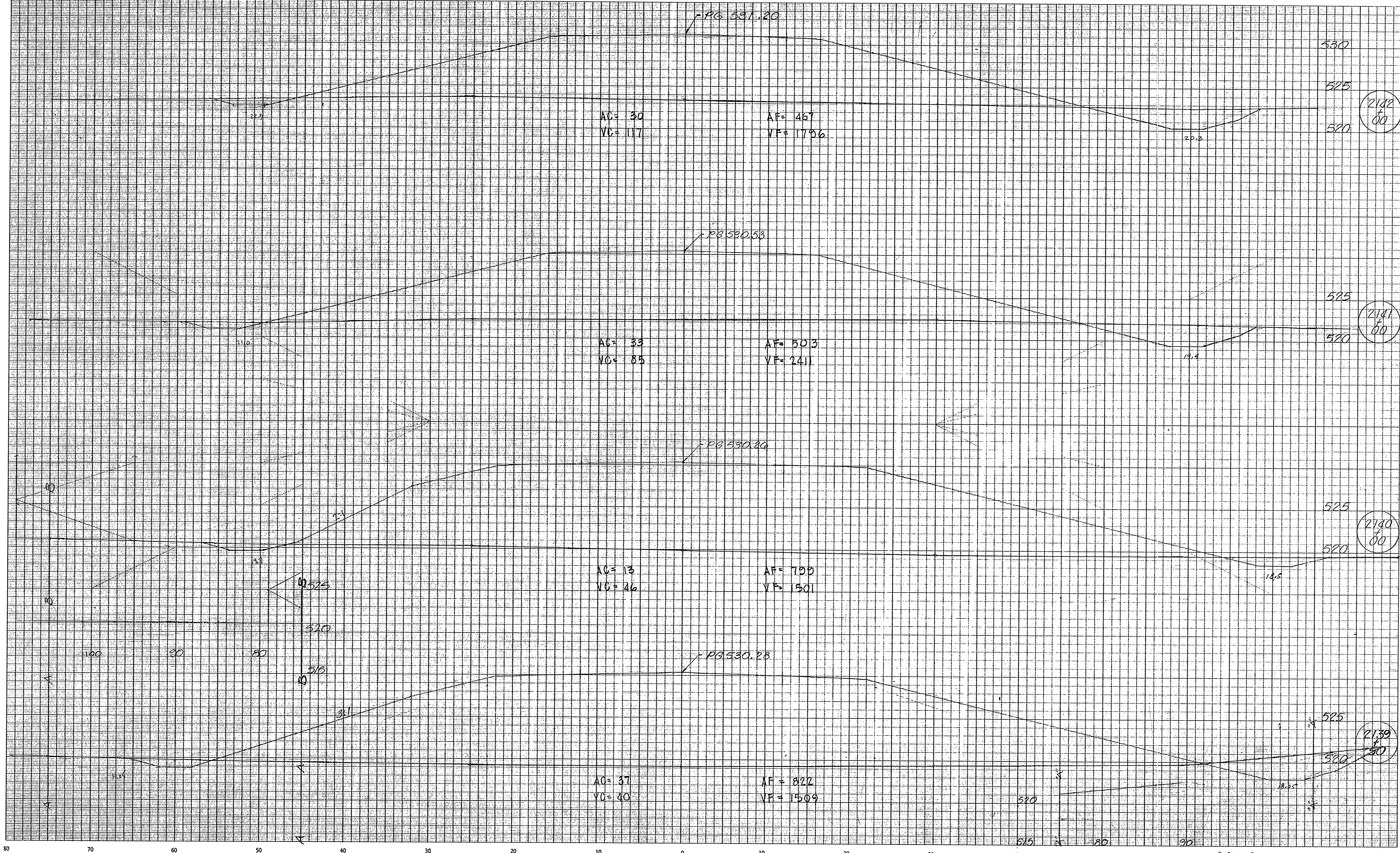


PLATE 1
September, 1973

8-23063 70			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FILE SHEET NO.
5	IND.	F-95-3(9)	44
FISCAL YEAR			TOTAL SHEETS
			105



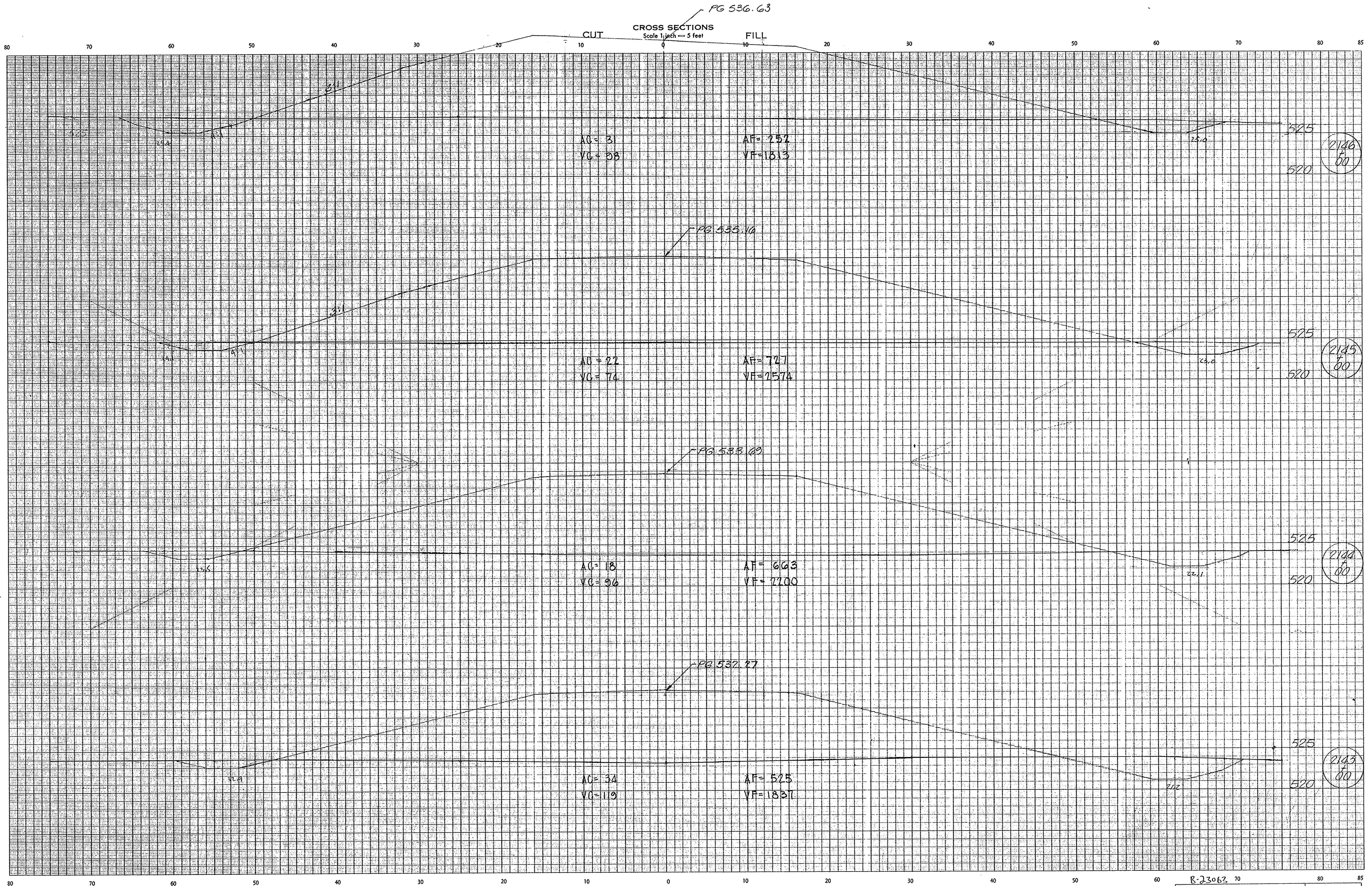
2140
80

2141
80

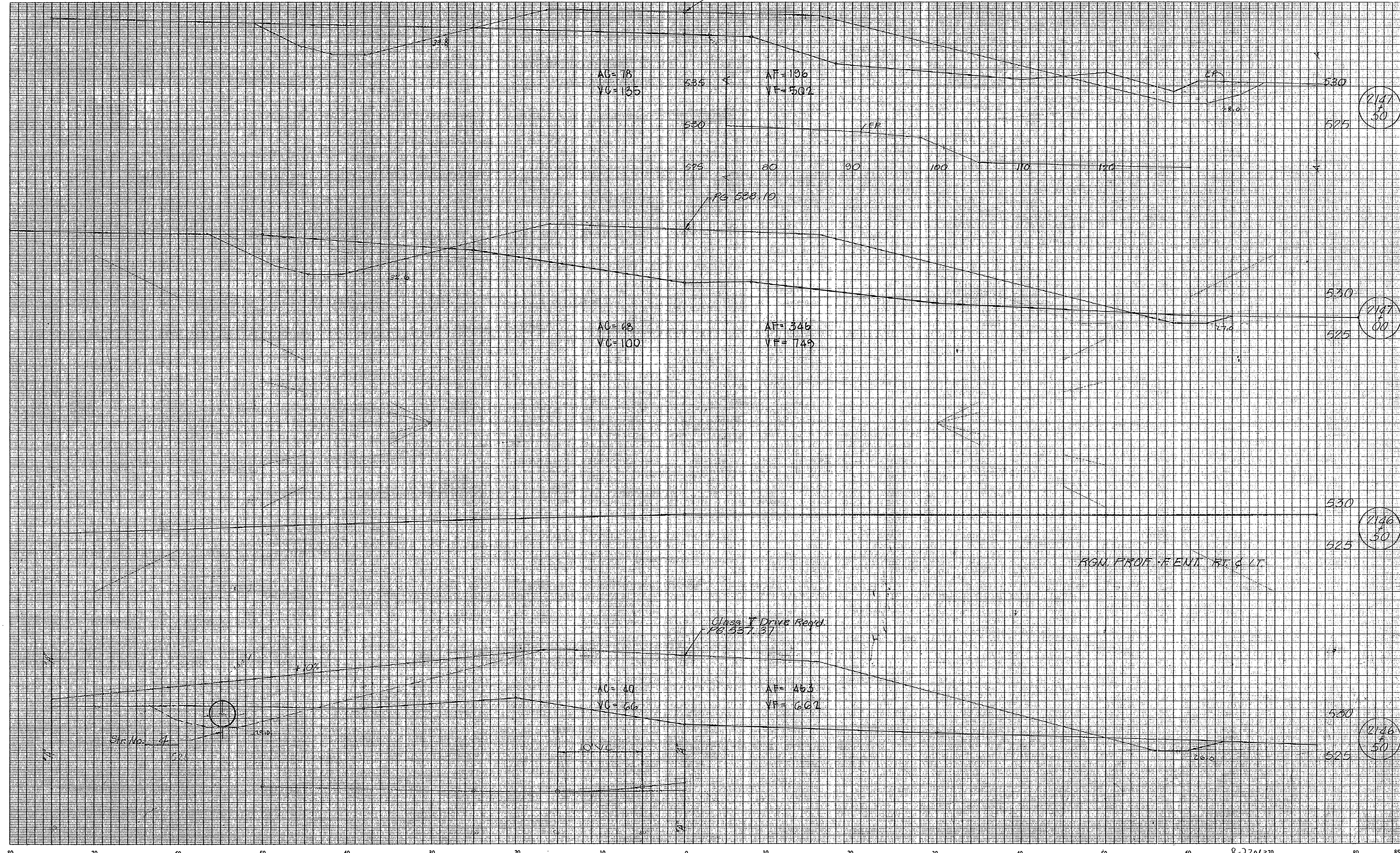
2140
80

2139
80

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-95-39	
SHEET NO.		TOTAL SHEETS	
46		105	
LINE "A"			



LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-95-3(9)	
SHEET NO.		TOTAL SHEETS	
47		105	
LINE "A"			



2147
50

2147
50

2146
50

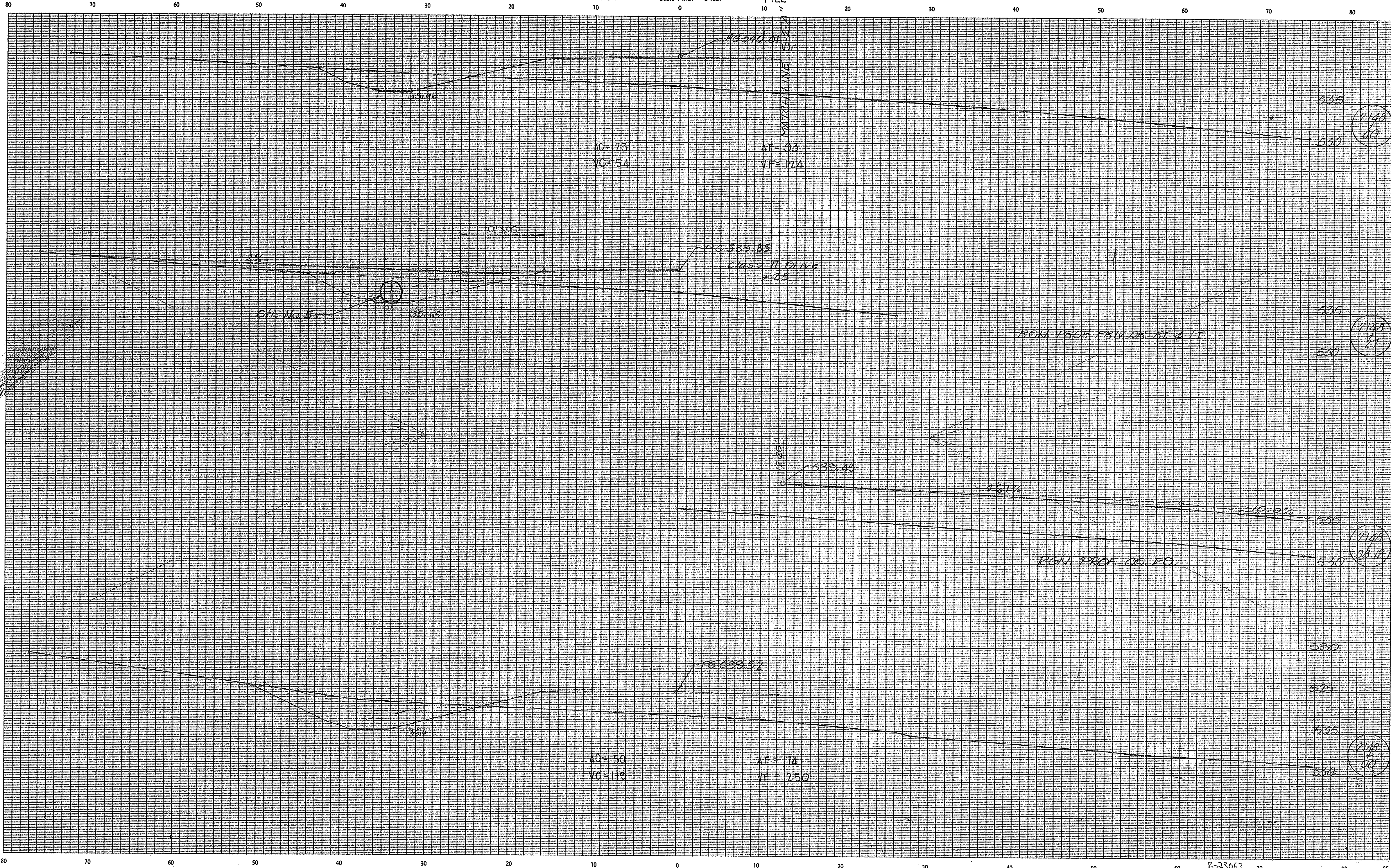
2146
50

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-95-3(9)	48
SHEET NO.			TOTAL SHEETS
48			105
LINE "A"			

CROSS SECTIONS
Scale 1 inch = 3 feet

CUT

FILL



535
530
7148
40

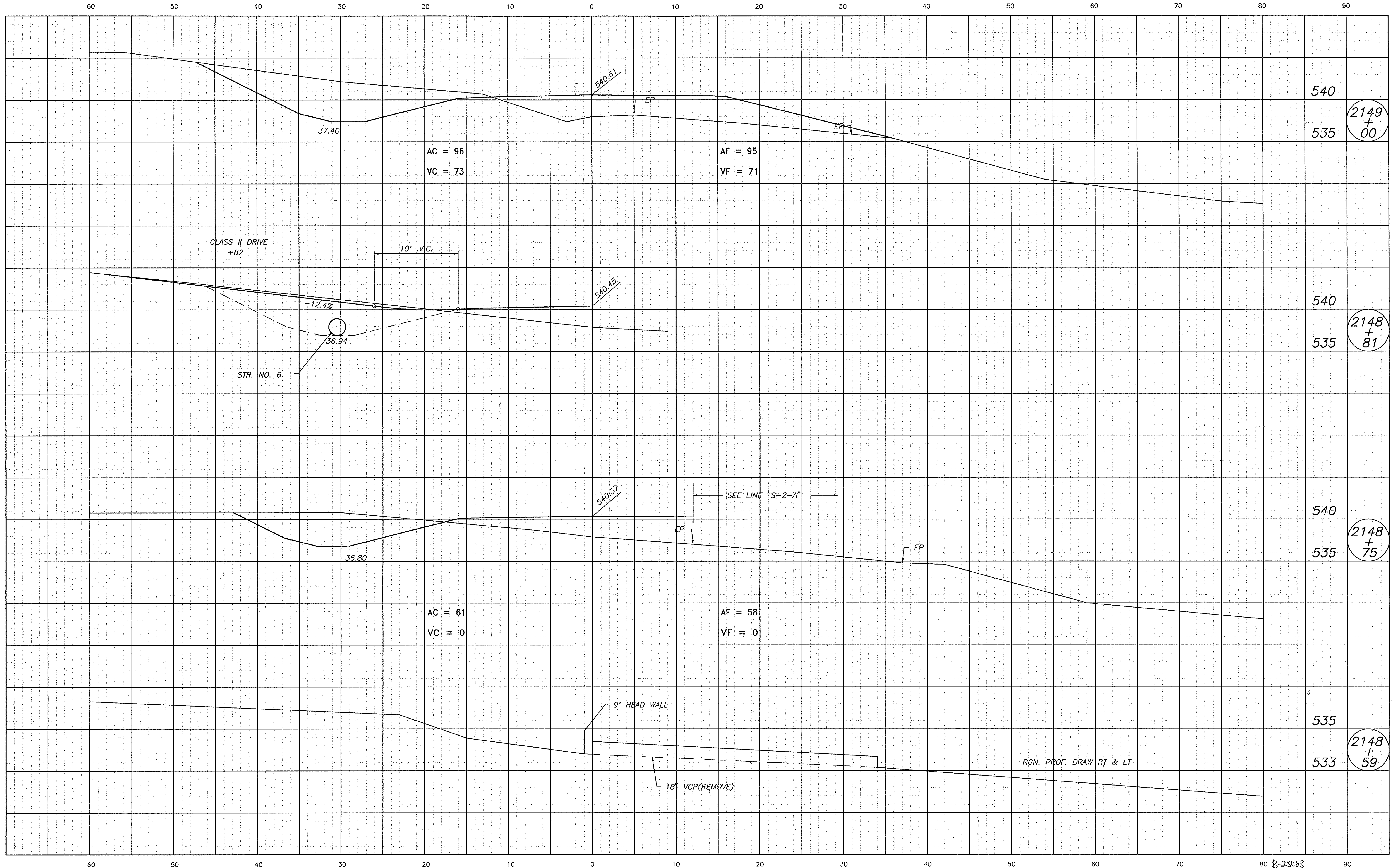
535
530
7148
41

535
530
7148
42

535
530
7148
43

B-23063

LEVEL BOOK NO.		STATE		PROJECT NO.	FISCAL YEAR	FILE SHEET NO.	TOTAL SHEETS
5		IND.		F-95-3(9)	49	105	
							LINE A



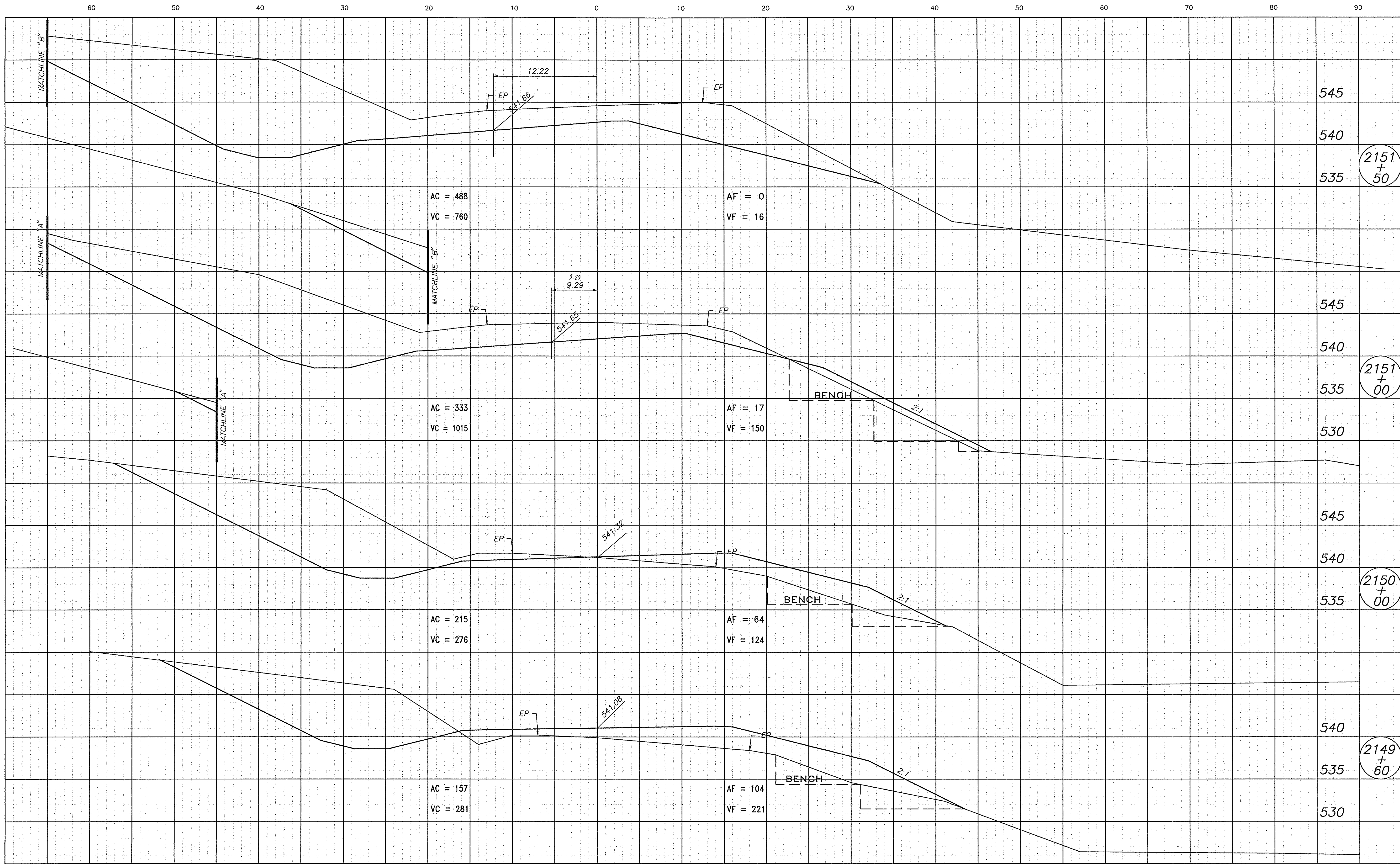
002\DOH\SEC4

80 8-23063

LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		50	105

LINE "A"

002\DOH\SECS

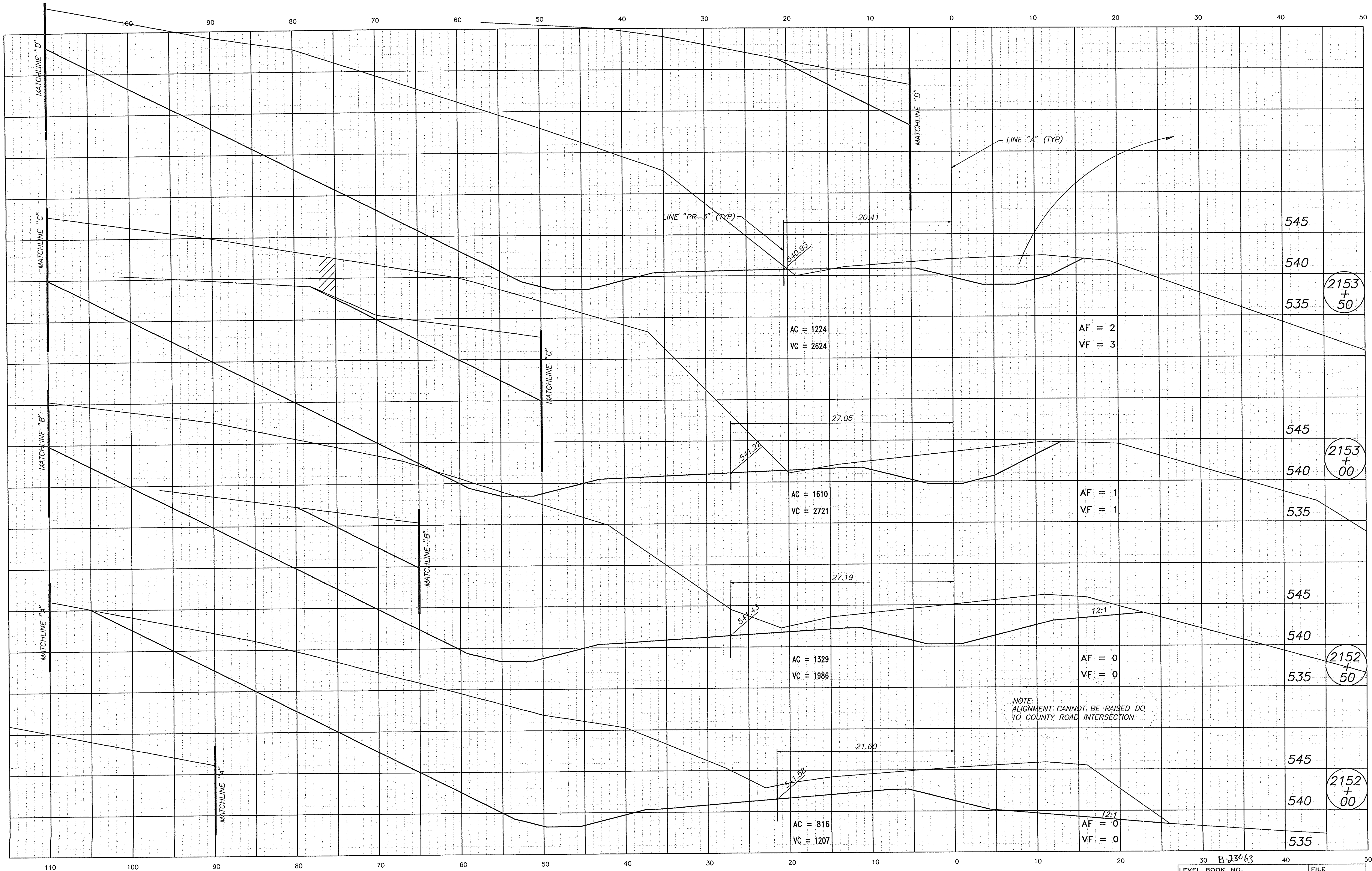


80-23063

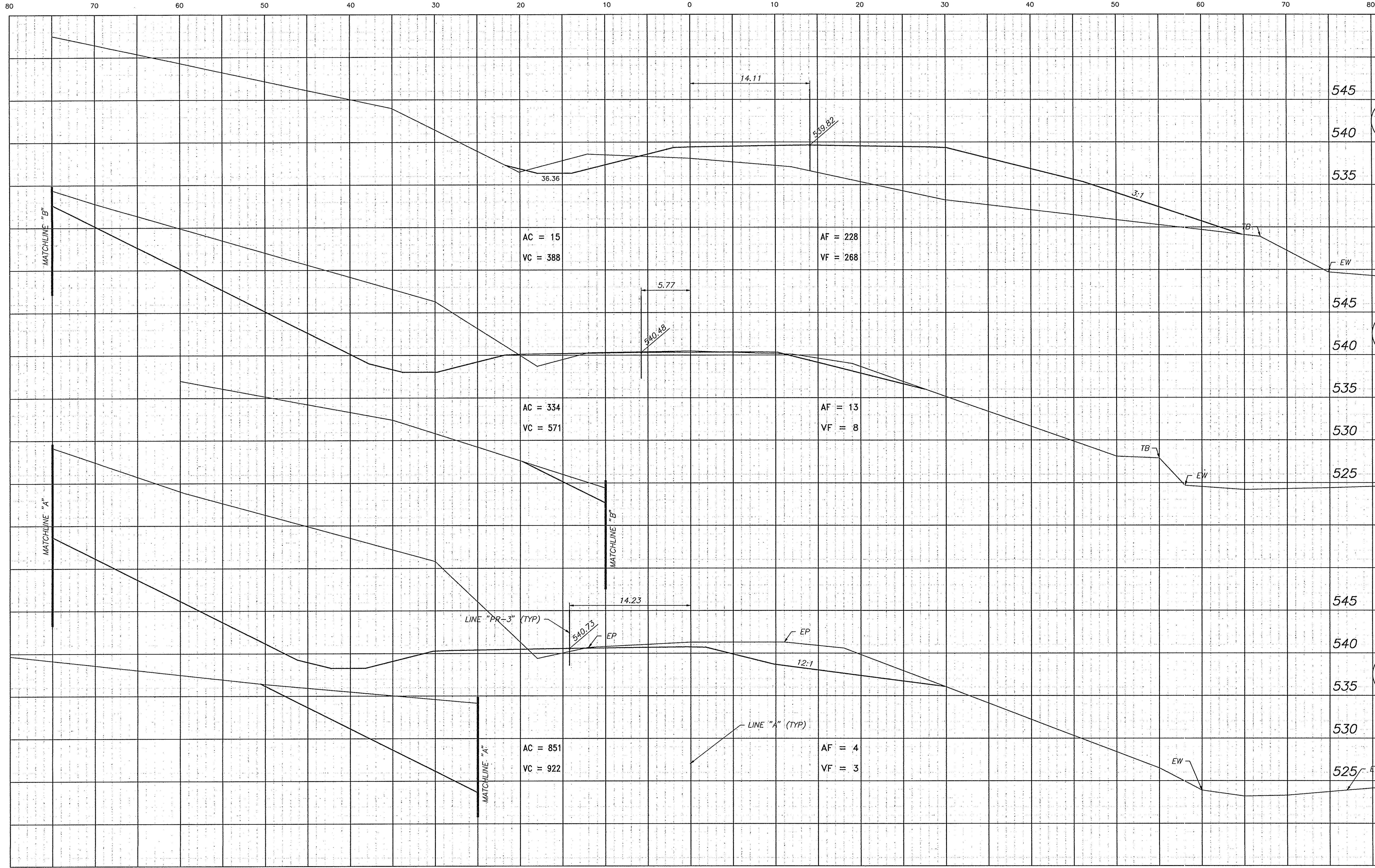
LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		51	105

LINE "A"

002\1004\SEC6



LEVEL BOOK NO.		FILE	
FEDERAL ROAD NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-95-3(9)	52
SHEET NO.		TOTAL SHEETS	
52		105	
LINE "A"			

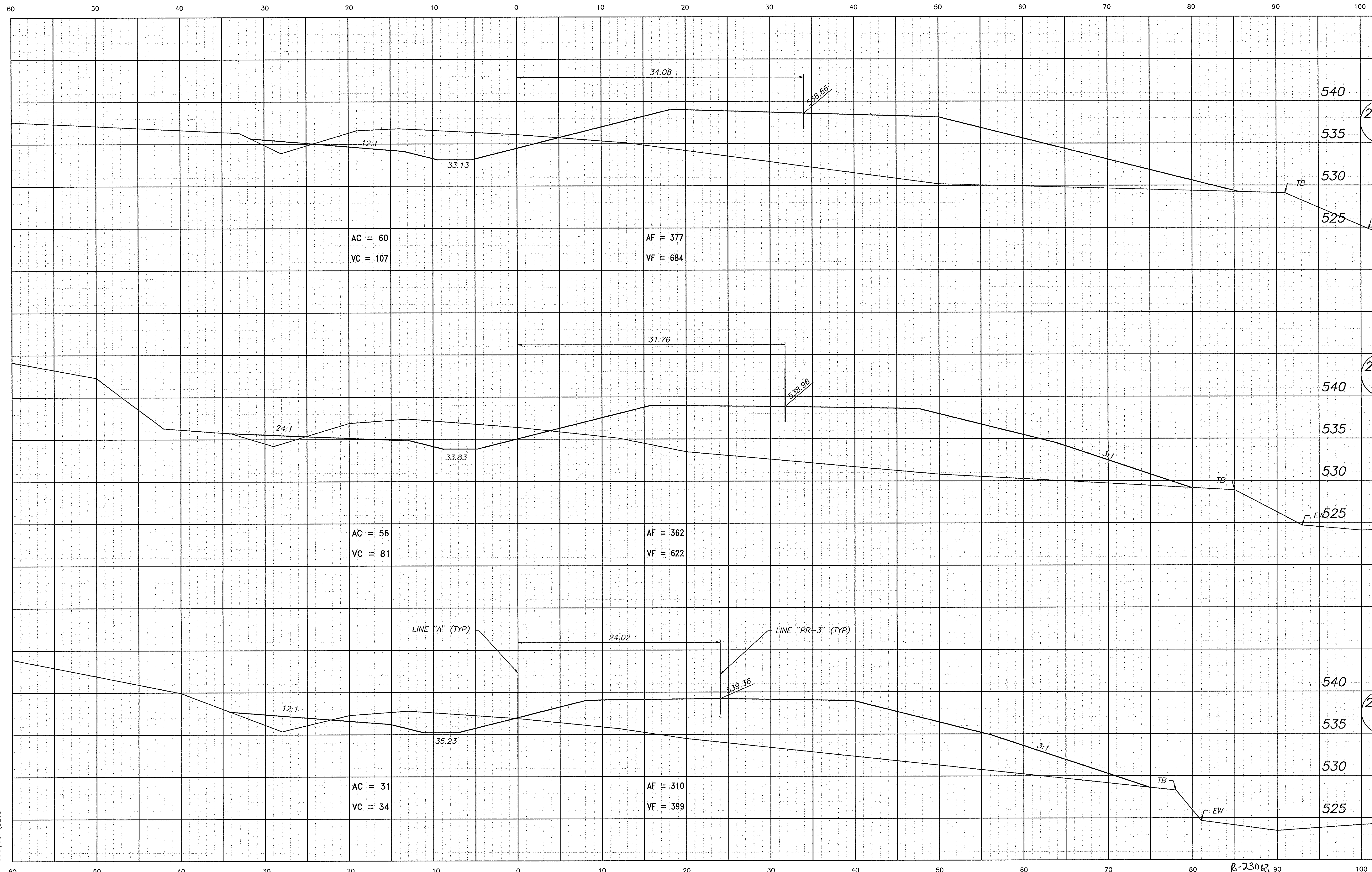


002\1004\SECT7

R-23063

LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		53	105

LINE "A"

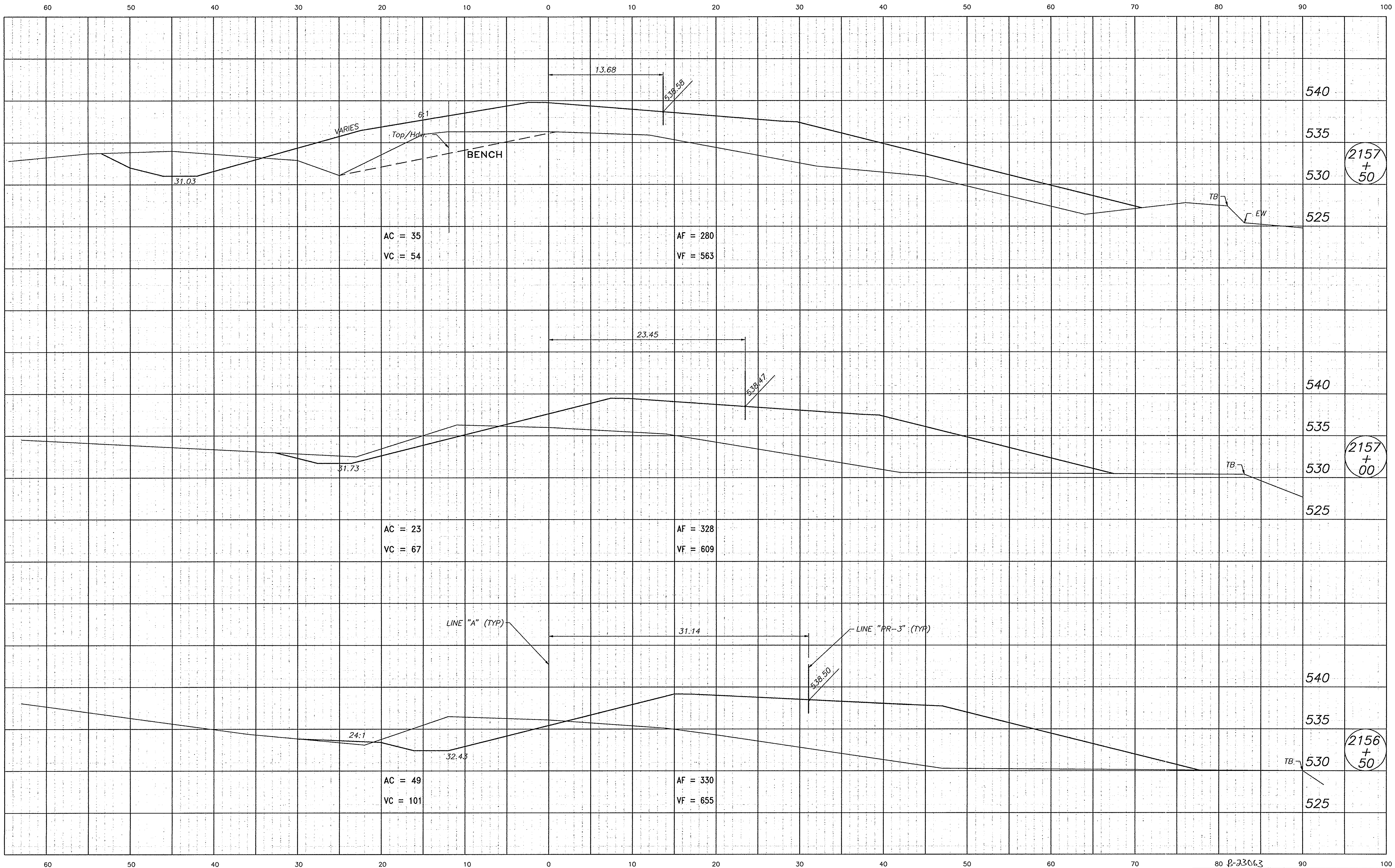


002\100H\SEC8

R-23063 90

LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		54	105

LINE "A"



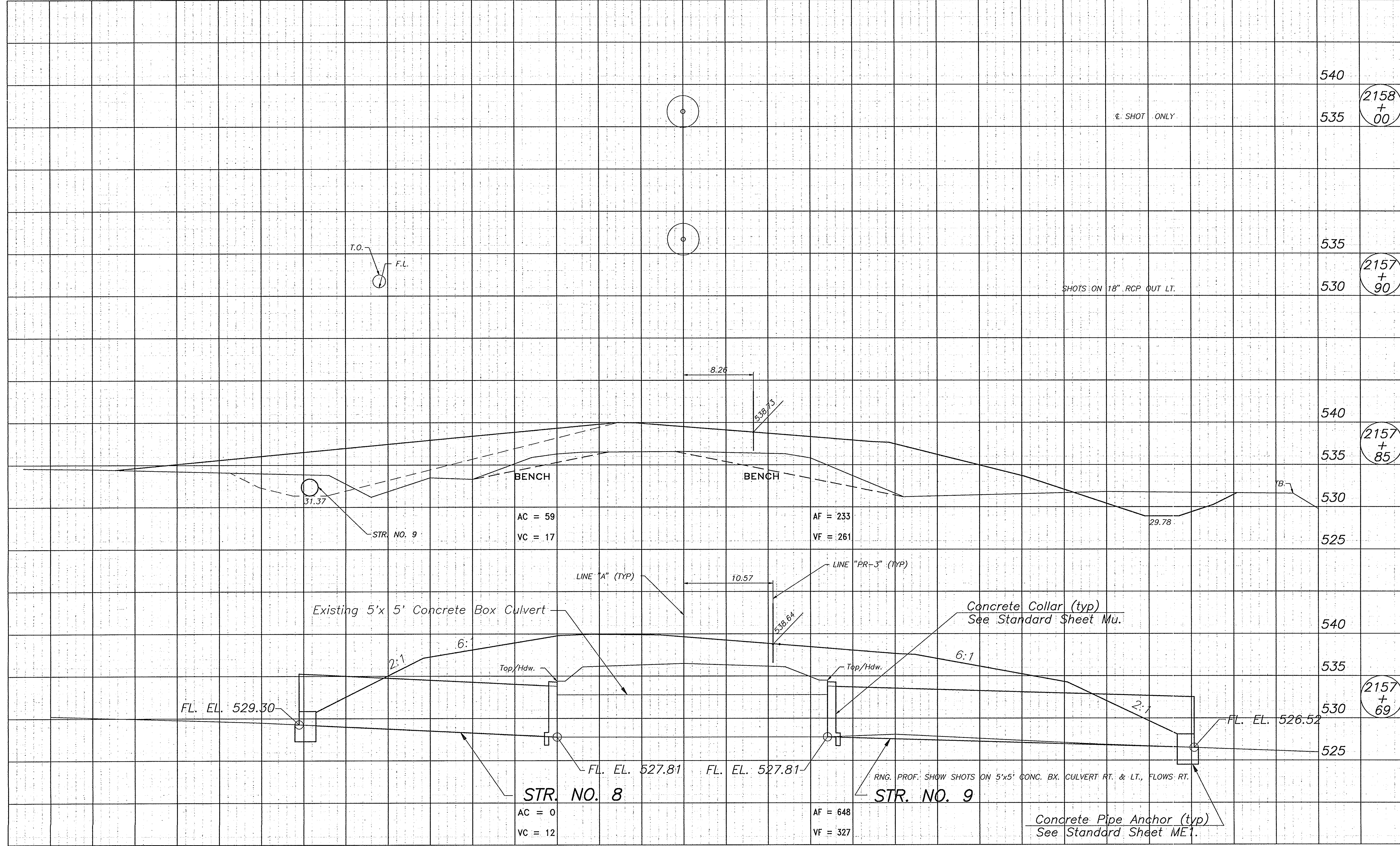
002\1004\SEC9

80-23063

LEVEL BOOK NO.				FILE	
FEDERAL ROAD NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		55	105

LINE "A"

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80



2158
+
00

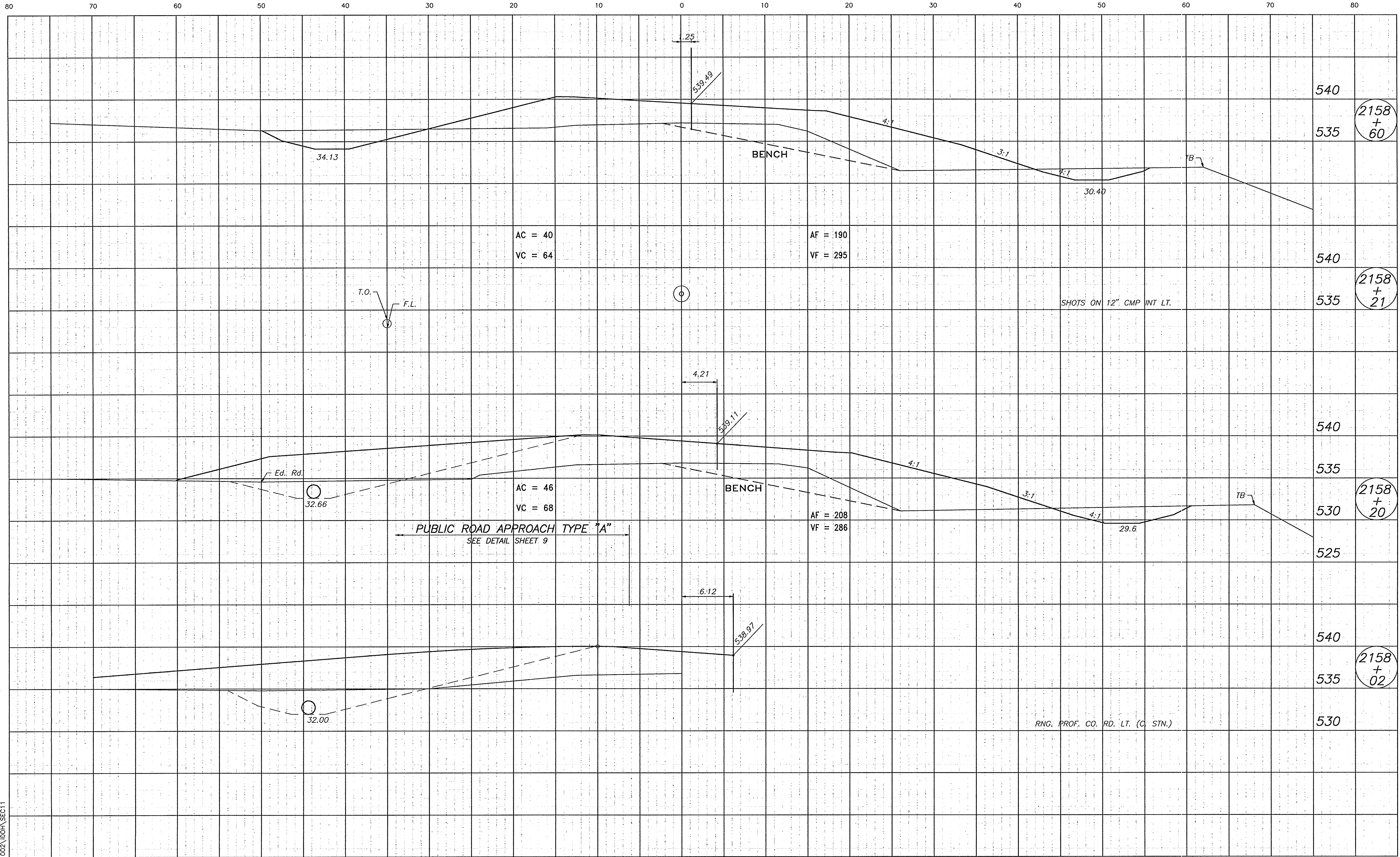
2157
+
90

2157
+
85

2157
+
69

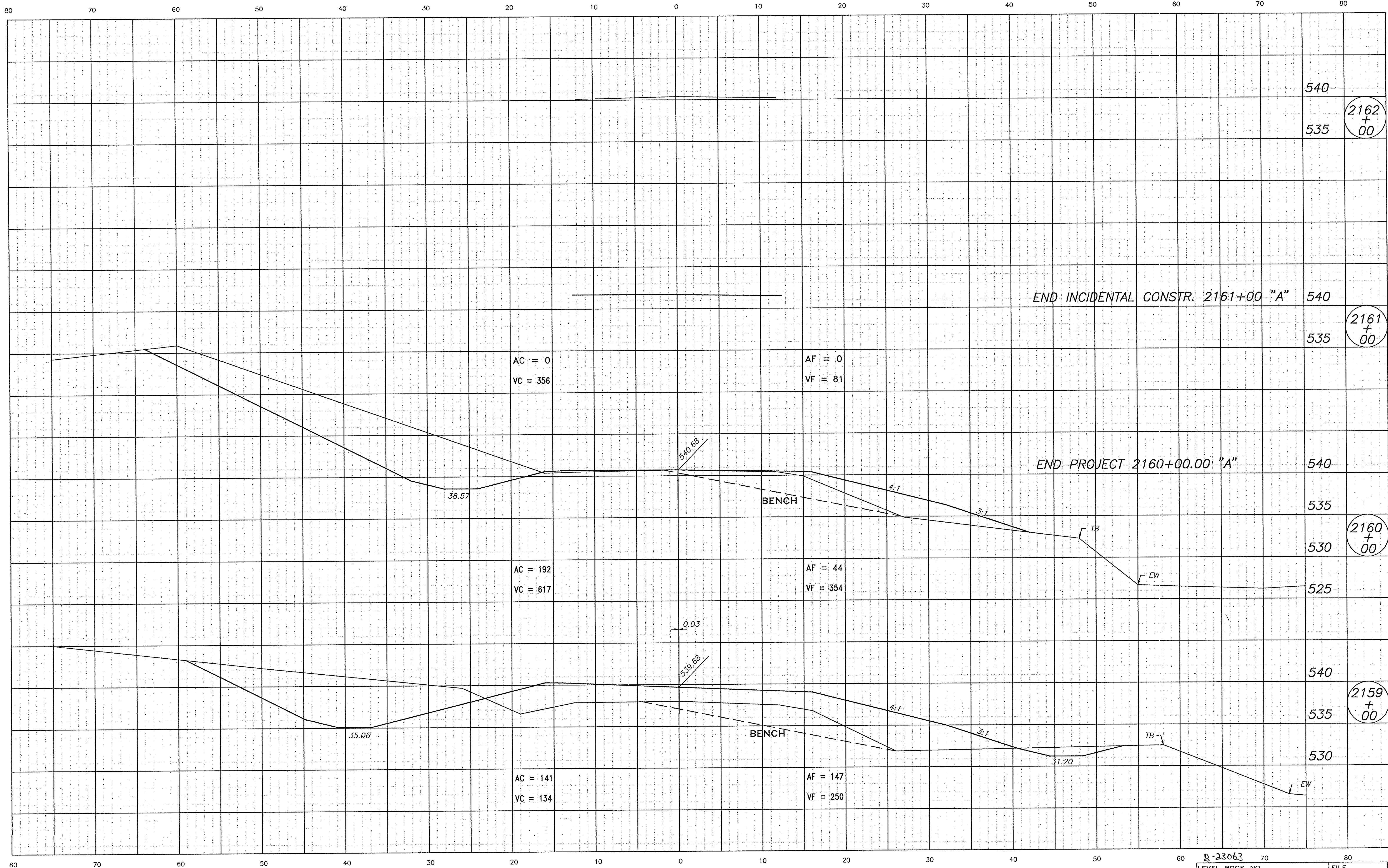
002\DOH\SEC10

8-23063				70	80
LEVEL BOOK NO.		FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		56	105
LINE "A"					



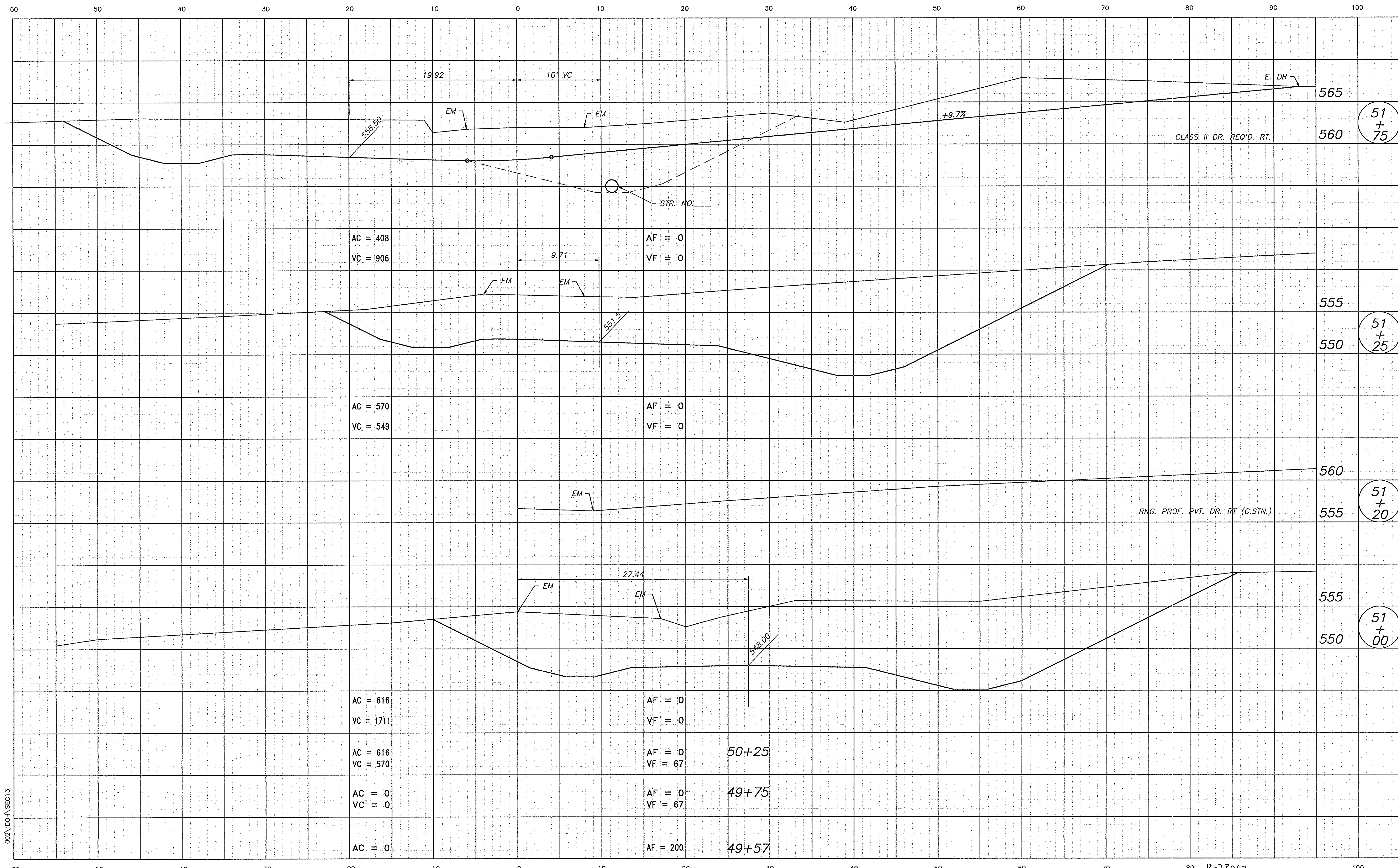
002\DOH\SEC11

R-23063		70	80
LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE PROJECT NO.	FISCAL YEAR	SHEET NO.
5	IND. F-95-3(9)	57	105
TOTAL SHEETS		LINE "A"	



002\100H\SEC12

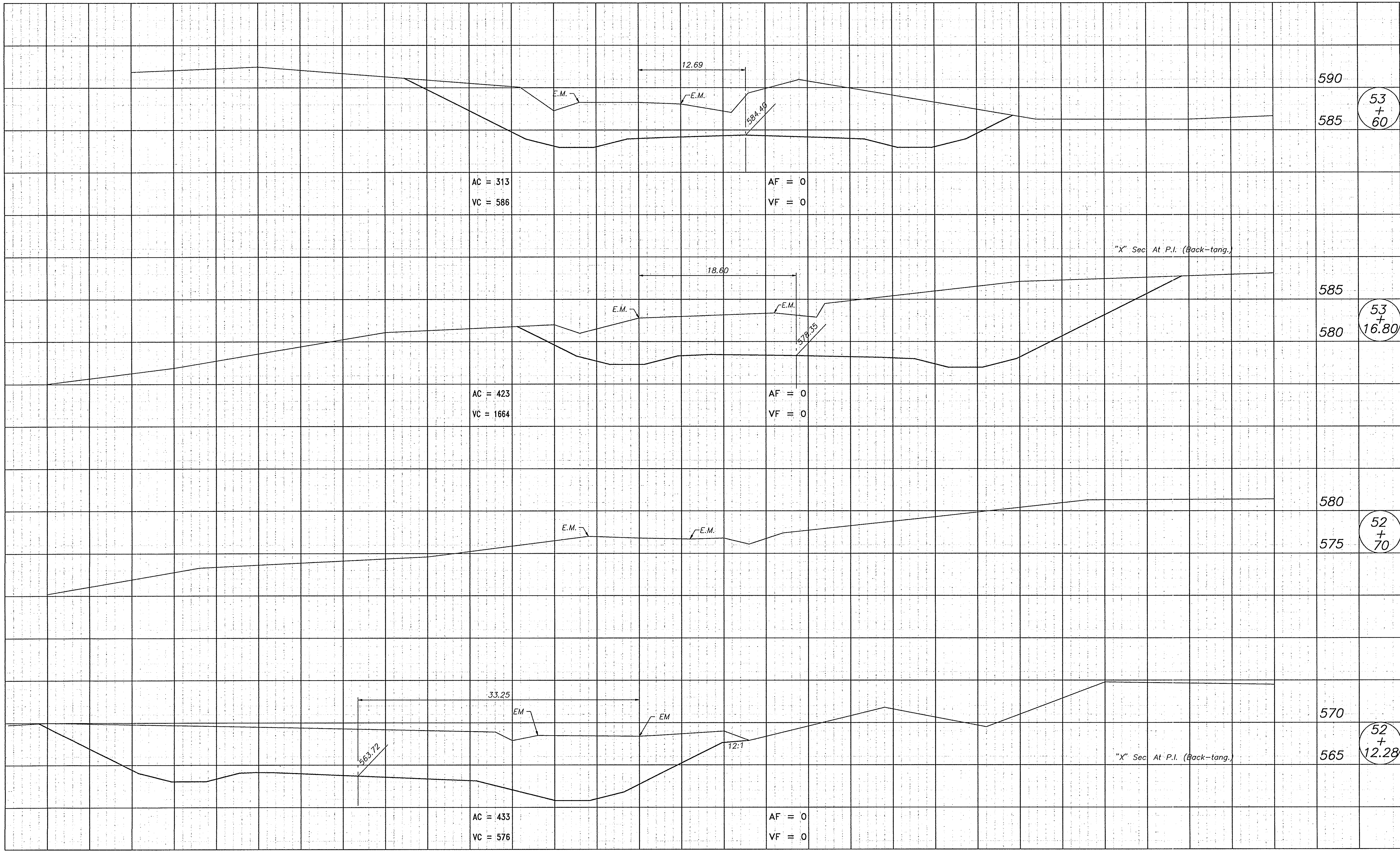
LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-95-3(9)	58
SHEET NO.		TOTAL SHEETS	
58		105	
LINE "A"			



002\DOH\SEC13

LEVEL BOOK NO.				FILE	
FEDERAL ROAD NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		59	105
LINE "S-1-A" / "PR-1"					

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90



AC = 313
VC = 586

AF = 0
VF = 0

53
+
60

AC = 423
VC = 1664

AF = 0
VF = 0

53
+
16.80

52
+
70

AC = 433
VC = 576

AF = 0
VF = 0

52
+
12.28

"X" Sec At P.I. (Back-tang.)

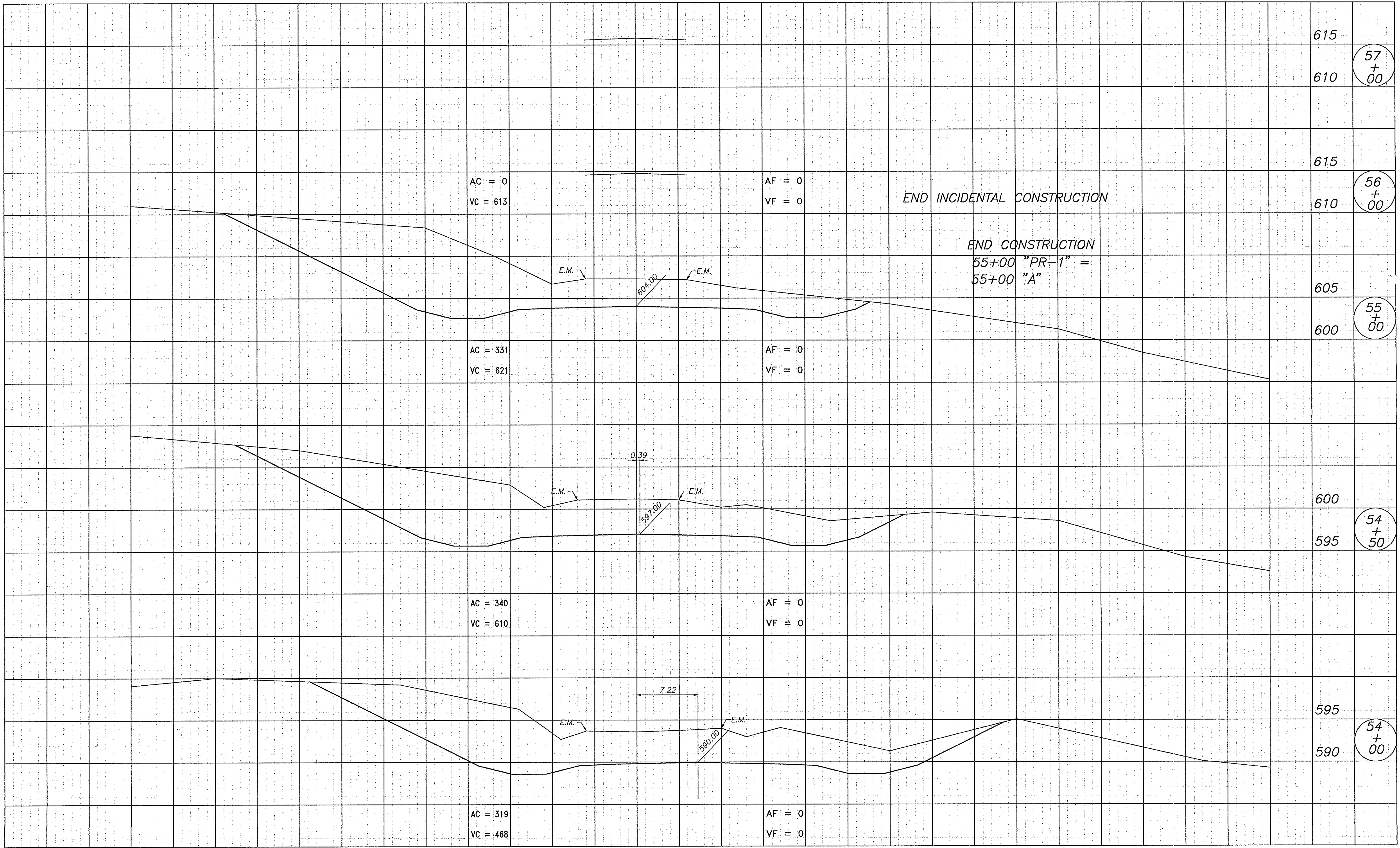
"X" Sec At P.I. (Back-tang.)

002\DOH\SEC14

8-22-02 70

LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		60	105
LINE "S-1-A" / "PR-1"					

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

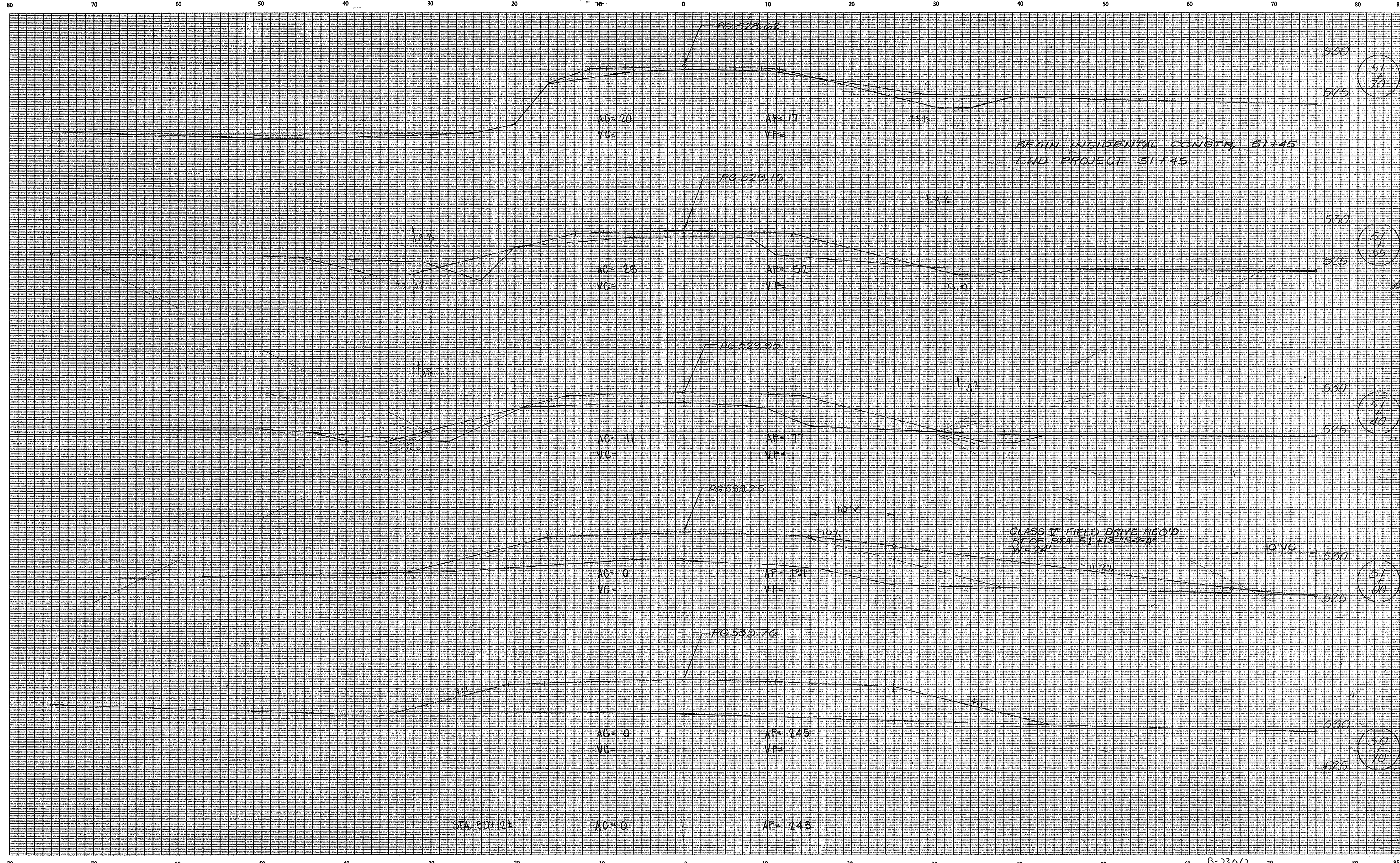


002\004\SEC15

B-23063

LEVEL BOOK NO.			FILE	
FEDERAL ROAD REGION NO.	STATE PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND. F-95-3(9)		61	105
LINE "S-1-A" / "PR-1"				

CUT CROSS SECTIONS FILL
Scale 1 inch = 5 feet



STA. 50+72

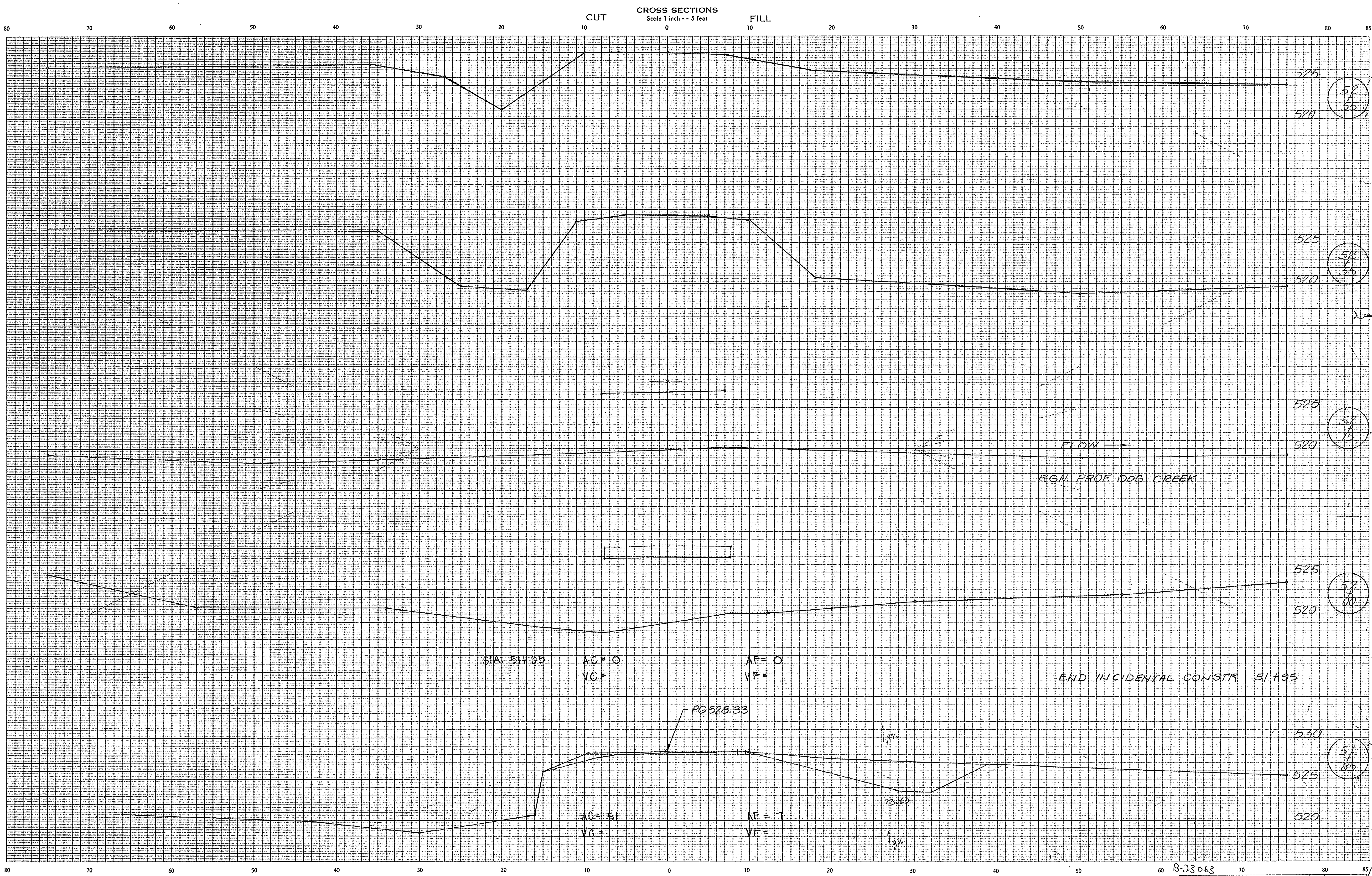
AG=0
VG=

AF=745
VF=

AG=0

AF=745

LEVEL BOOK NO.		TOTAL SHEETS	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F953(9)	62
TOTAL SHEETS		TOTAL SHEETS	
62		105	
LINE 5-2-A			



CROSS SECTIONS
Scale 1 inch = 5 feet

CUT

FILL

FLOW →

RGN. PROF. DOG CREEK

END INCIDENTAL CONSTR. 51+95

STA. 51+95

AC = 0
VC =

AF = 0
VF =

PG 528.33

AC = 51
VC =

AF = 7
VF =

1.0%

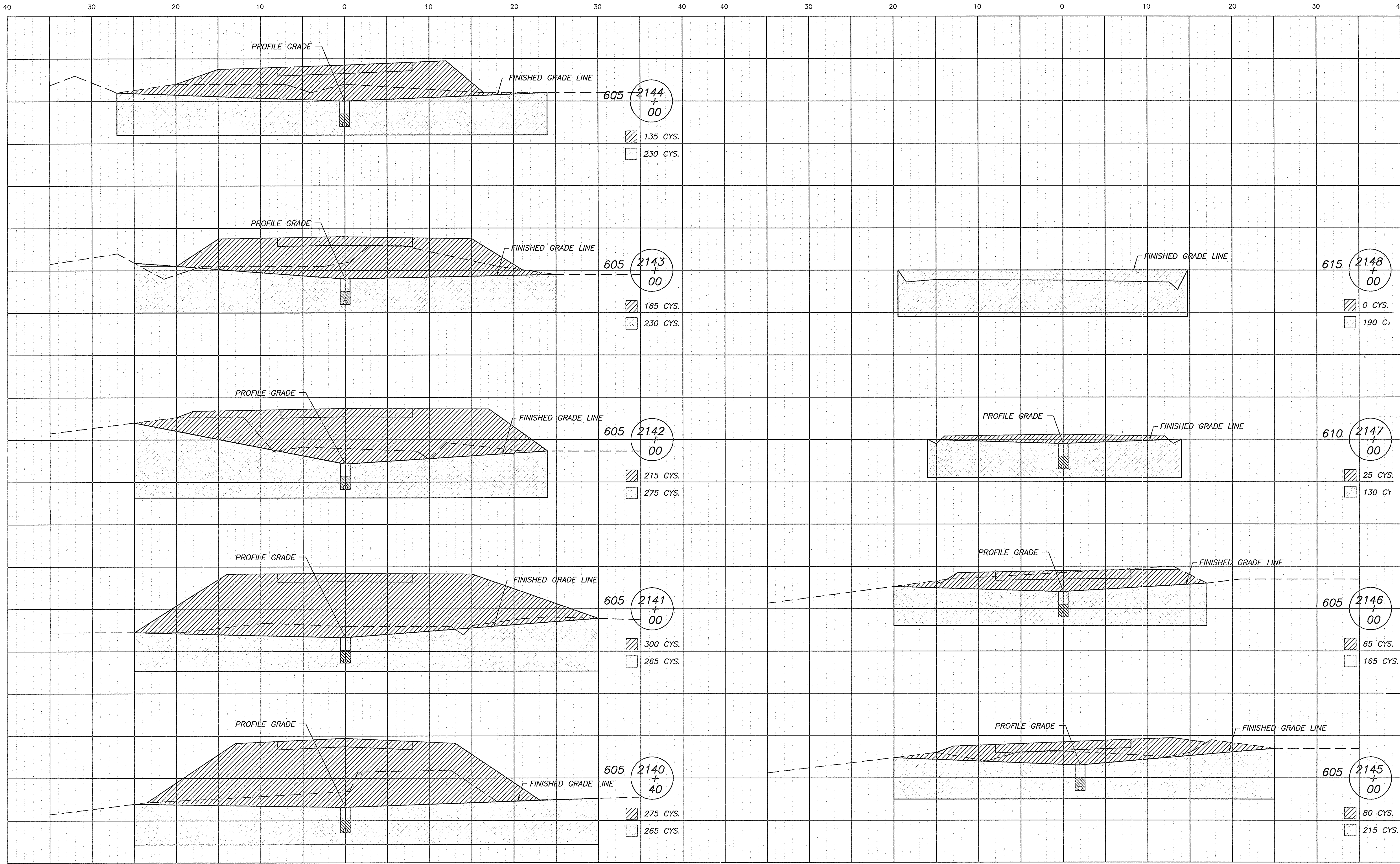
2.25%
1.0%

PLATE 1

September, 1973

B-23063

LEVEL BOOK NO.		FILE 57-13-3140	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	F-953(0)	63
SHEET NO.		TOTAL SHEETS	
106		106	
LINE 5-2-A			



002\DOHA\SECTION

B-23063

LEVEL BOOK NO.				FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-95-3(9)		64	105

LINE "PR-5"