

INDEX

Table with columns: SHEET NO., DESIGNATION, F.H.A. APPROVAL, DATE ADOPTED or LATEST REVISION. Lists various sheet titles like 'TITLE SHEET', 'ST.D. DIV. LANE (INTERSTATE)', 'ST.D. CROSS SECTION', etc.

Table with columns: SHEET NO., DATE, REVISOR. A grid for tracking revisions.

STRUCTURE NO. 3
RAMP 9 N-W
BRIDGE FILE NO. I-70-77-5643
PROJECT NO. I-70-3(75)77
TO BE CONSTRUCTED IN COMBINATION WITH
ROAD CONTRACT.
PAVING EXCEPTING STA. 318+25 TO STA. 315+62.11

STRUCTURE NO. 4
RAMP 8 W-N
BRIDGE FILE NO. I-70-77-5644
PROJECT NO. I-70-3(75)77
TO BE CONSTRUCTED IN COMBINATION WITH
ROAD CONTRACT.
PAVING EXCEPTING STA. 314+07.99 TO STA. 316+36.11

STRUCTURE NO. 5
BRIDGE FILE NO. I-70-77-5645
PROJECT NO. I-70-3(75)77
TO BE CONSTRUCTED UNDER SEPARATE
CONTRACT.
PAVING EXCEPTING STA. 322+06.75 TO STA. 323+84.11

STRUCTURE NO. 6
TO BE CONSTRUCTED UNDER SEPARATE CONTRACT.

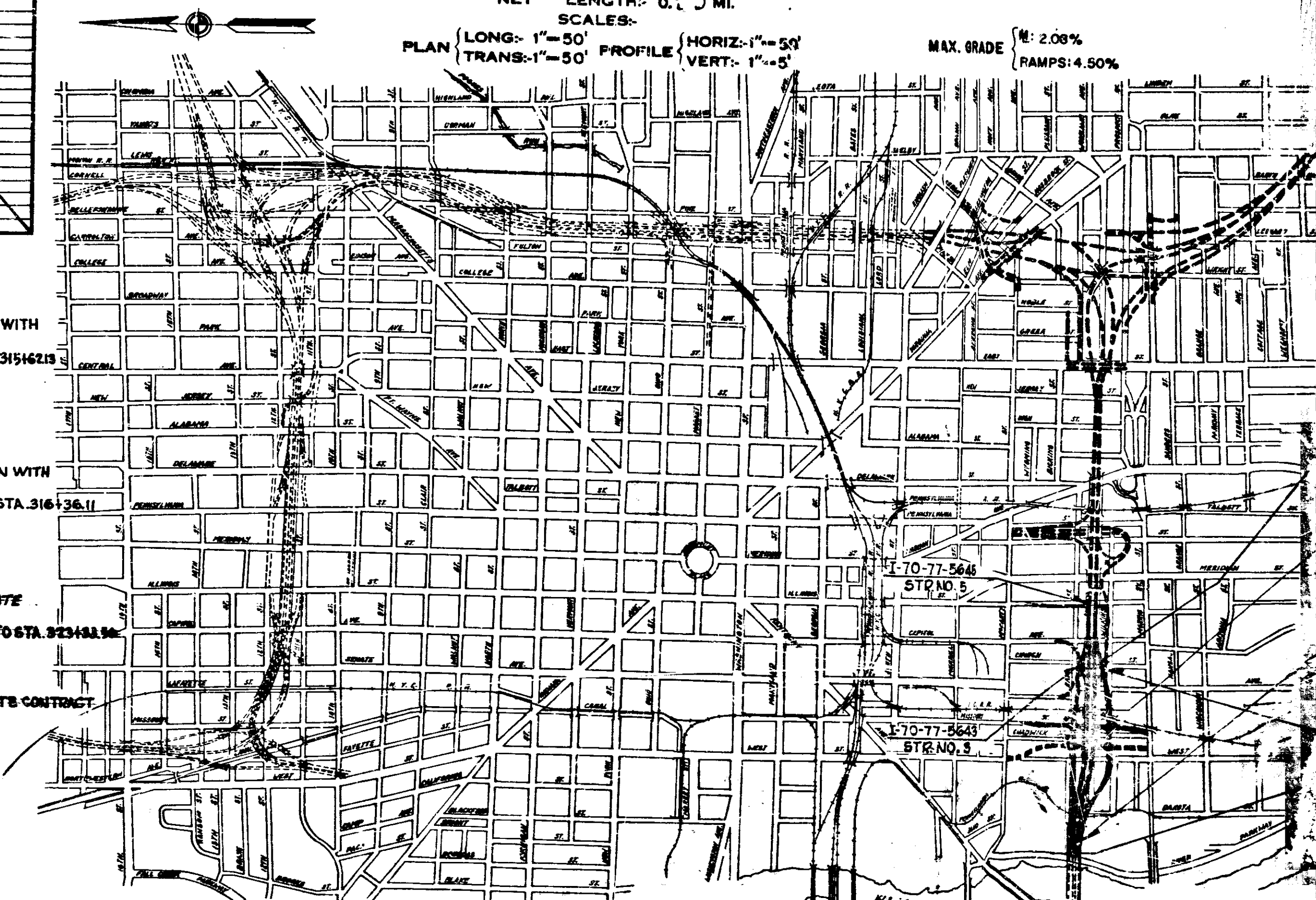
STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

PROJECT NO. I-70-3 (75) 77

BEGINNING AT A POINT APPROXIMATELY 900 FEET NORTH OF THE SOUTH LINE AND
APPROXIMATELY 1620 FEET EAST OF THE WEST LINE OF SECTION II, 15N, R3E AND
EXTENDING IN THE EASTERLY DIRECTION FOR A DISTANCE OF 2354.03 FEET TO A
POINT APPROXIMATELY 800 FEET NORTH OF THE SOUTH LINE AND APPROXIMATELY 1280 FEET
WEST OF THE EAST LINE OF SECTION II, 15N, R3E, ALL IN THE CITY OF INDIANAPOLIS, MARION COUNTY.

GROSS LENGTH: 0.41 MI.
NET LENGTH: 0.3 MI.
SCALES:
PLAN { LONG: 1"=50' PROFILE { HORIZ: 1"=50'
{ TRANS: 1"=50' { VERT: 1"=5'



SCALE: 1"=100'

RECOMMENDED FOR APPROVAL
[Signature]

RECOMMENDED FOR APPROVAL 10-26-70
[Signature] Harold W. Wilson
ASSISTANT ENGINEER OF ROAD DESIGN
INDIANA STATE HIGHWAY COMMISSION

[Signature]
ENGINEER OF ROAD DESIGN
INDIANA STATE HIGHWAY COMMISSION

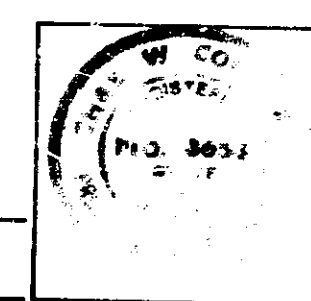
November 6, 1961

FEDERAL ROAD DISTRICT NO. 5 STATE INDIANA PROJECT NO. 70-3(75)77 FISCAL YEAR 1970 SHEET NO. 1 TOTAL SHEETS 237

DESIGN DATA
A.D.T. (1973) 37,290 V.P.D.
A.D.T. (1993) PROJECTED 72,500 V.P.D.
D.H.V. 7,260 V.P.D.
DIRECTIONAL DISTRIBUTION 60% & 40 %
TRUCKS ADT-14% DHV- 7 %
DESIGN SPEED 50 M.P.H.
ACCESS CONTROL FULL

I-70-3 (55) 77 F
I-70-3 (52) 77 W
I-70-3 (90) UTILITIES

DATE June 26 1970
[Signature] Chas. W. Cole
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 3451



THESE PLANS PREPARED BY
CHAS. W. COLE & SON
ENGINEERS
SOUTH BEND, INDIANA

- LEGEND FOR BARRICADES & SIGNS
① BARRICADE - TYPE III
② PERMANENT BARRICADE TYPE III
③ CONSTRUCTION SIGN TYPE A
④ CONSTRUCTION IDENTIFICATION SIGN
⑤ MOVABLE BARRICADE (NOT A PAY ITEM)

PROJECT I-70-3 (71) 77
PROJECT I-70-3 (75) 77
+00.00 & I-70
STRUCTURE No. 2
to be constructed under separate contract. Paving exception
Sta. 304+16.50 to 309+99.56
bridge file no. I-70-77-2416
Project no. I-70-3 (69) 77

STRUCTURE No. 1
bridge file no. I-70-77-2386
Project no. I-70-3(70) 77
to be Constructed Under Separate
Contract. Paving
exception Sta. 290+45.97
Sta. 296+ 56.73
77-5644 (STR NO. 4)
APPROVED 11/2 1970
[Signature] Chas. W. Cole
CHIEF ENGINEER, INDIANA STATE HIGHWAY COMMISSION

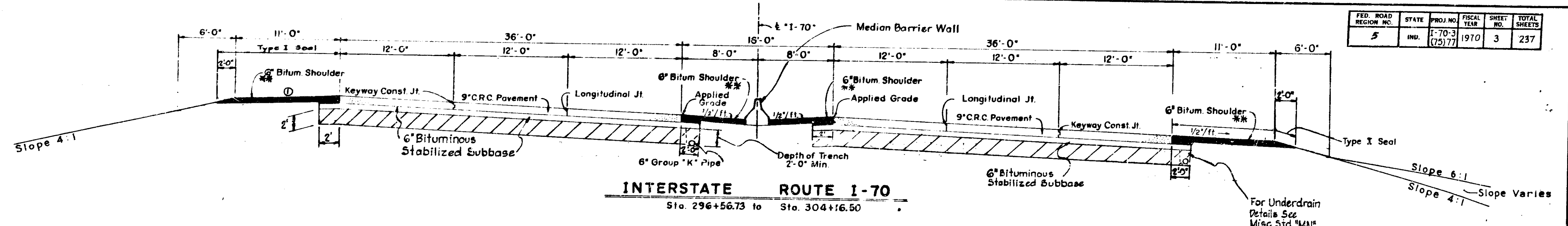
PROJECT 70-3 (57) 75 STA. 503+44.01
PROJECT 70-3(75) 77 STA. 290+45.97

STATE HIGHWAY DEPARTMENT OF INDIANA.
STANDARD SPECIFICATIONS DATED 1971
TO BE USED WITH THESE PLANS.

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED
DIVISION ENGINEER DATE
ROAD FILE NO.

Table with columns: PROJECT NO., LINE, SHEET NO., TOTAL SHEETS, FILE NO.
70-3(75)77 1 237

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)77	1970	3	237

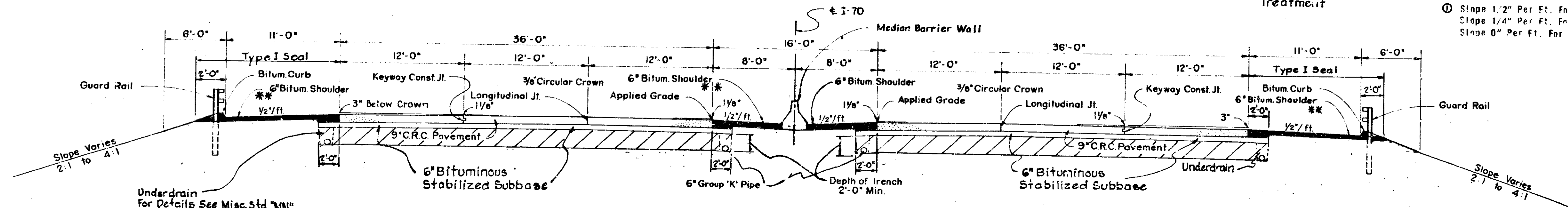


INTERSTATE ROUTE I-70
Sta. 296+56.73 to Sta. 304+16.50

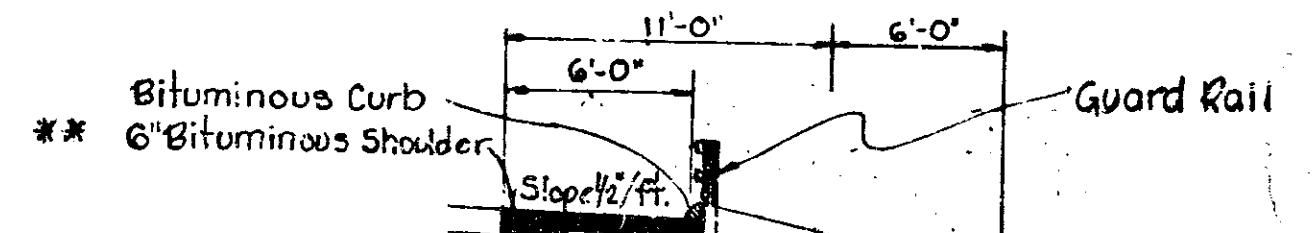
NOTE: All Slopes to be Sodded.
See Standard Sheet MN for Detail of Subsurface Drain
Special Subgrade Treatment

** 6" Bituminous Base (Size #5) with Type I Seal and Cover Aggregate Size 1/2" (See Std. Sheet "A")

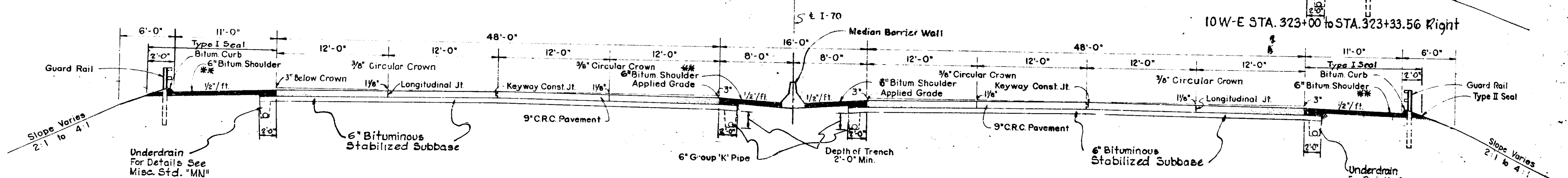
○ Slope 1/2" Per Ft. For 0'30" to 1'29.99"
Slope 1/4" Per Ft. For 1'30" to 1'59.99"
Slope 0" Per Ft. For 2'00" and Over



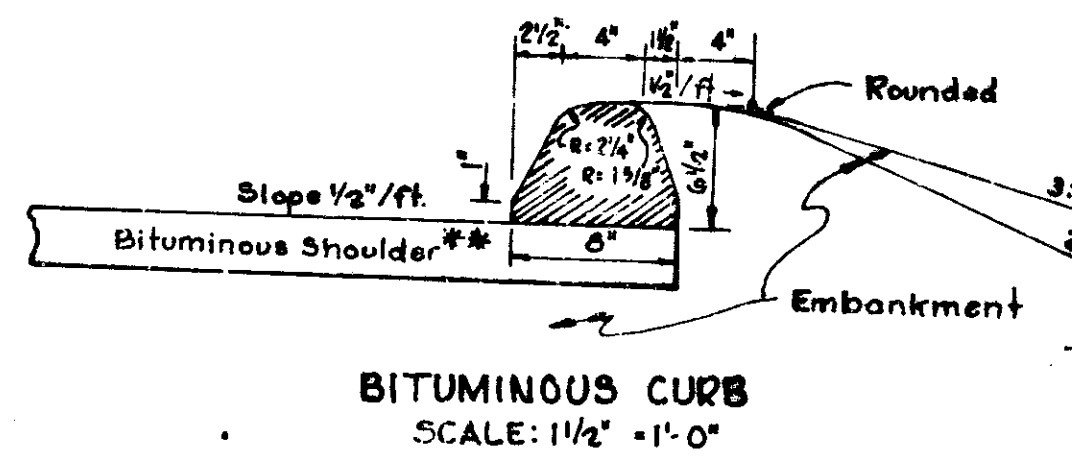
INTERSTATE ROUTE I-70
Sta. 309+99.56 to Sta. 314+00.00



10W-E STA. 323+00 to STA. 323+33.56 Right



INTERSTATE ROUTE I-70

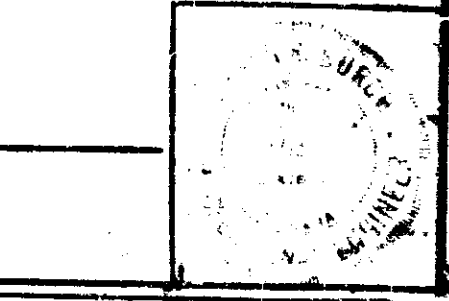


BITUMINOUS CURB
SCALE: 1 1/2" = 1'-0"

I-70 TYPICAL CROSS SECTIONS

SCALE: 3/16" = 1'-0"

RECOMMENDED FOR APPROVAL *[Signature]*
ENGINEER OF ROAD DESIGN, INDIANA STATE HIGHWAY COMMISSION

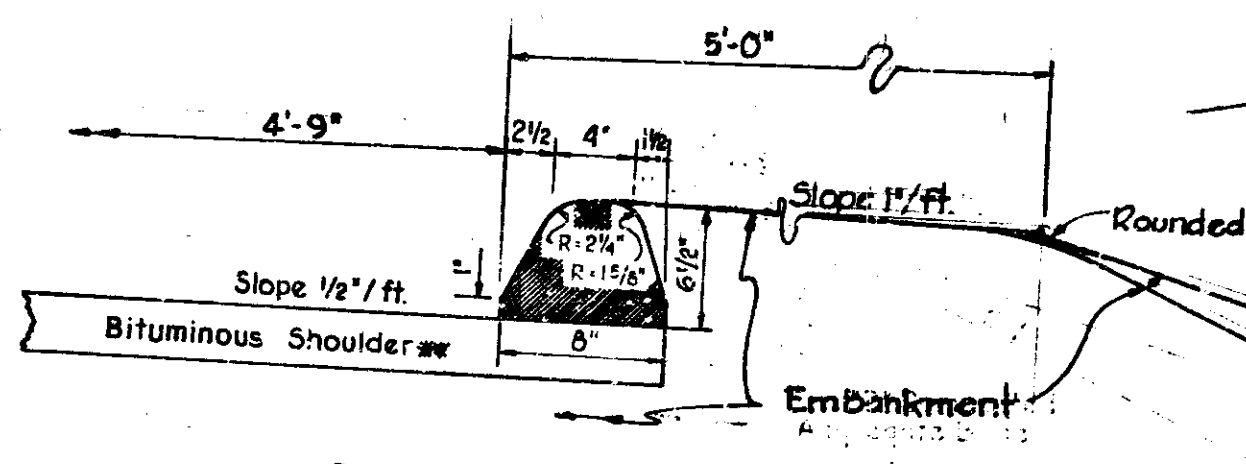
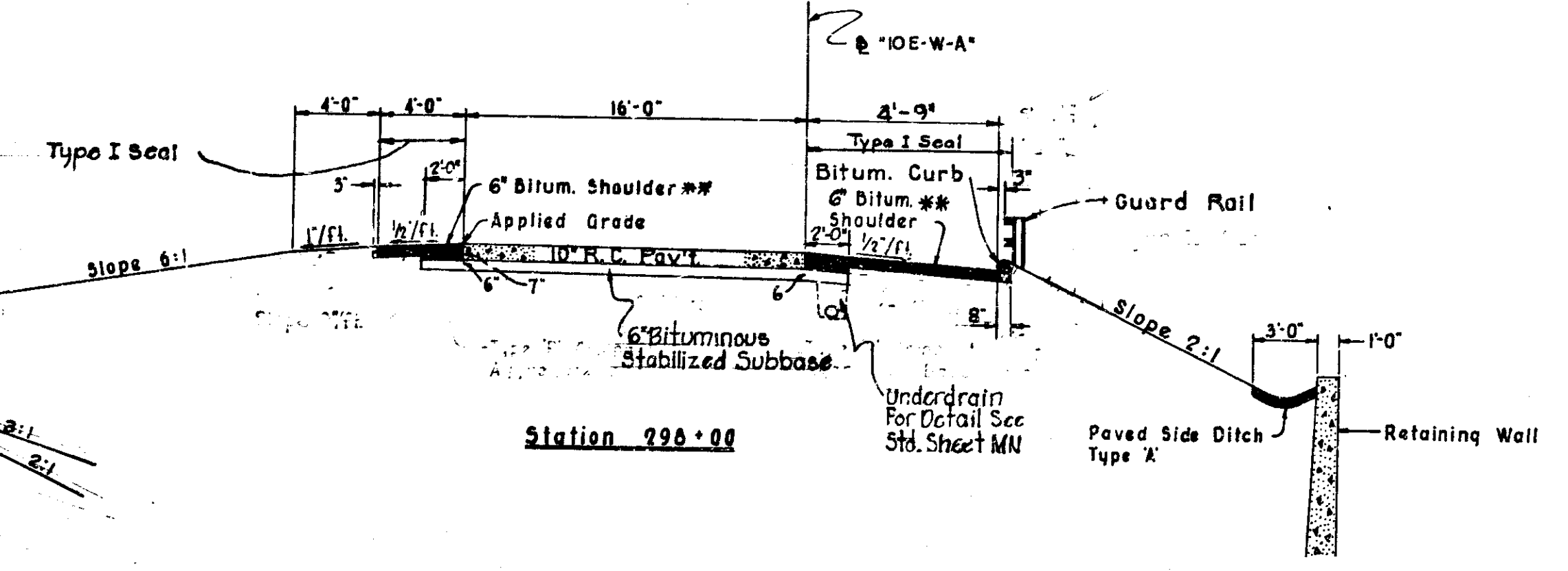
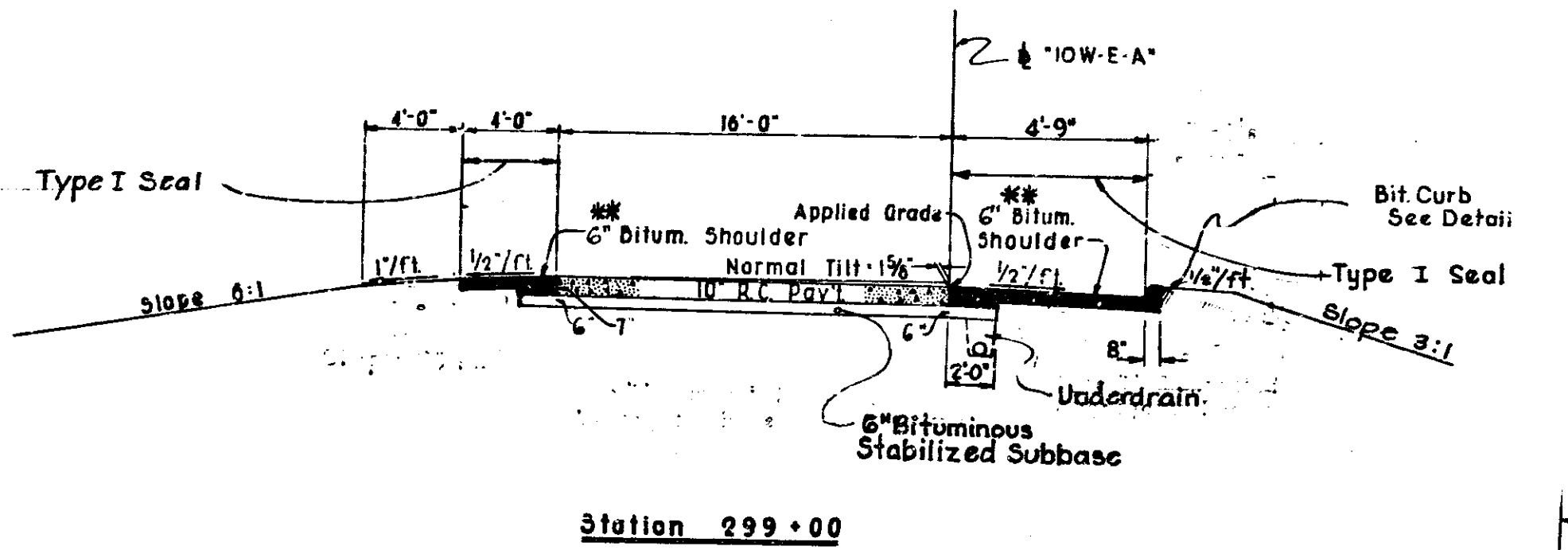


PROJ. NO.	DATE	SHEET NO.	TOTAL SHEETS
I-70-3 (75)77	1970	3	237

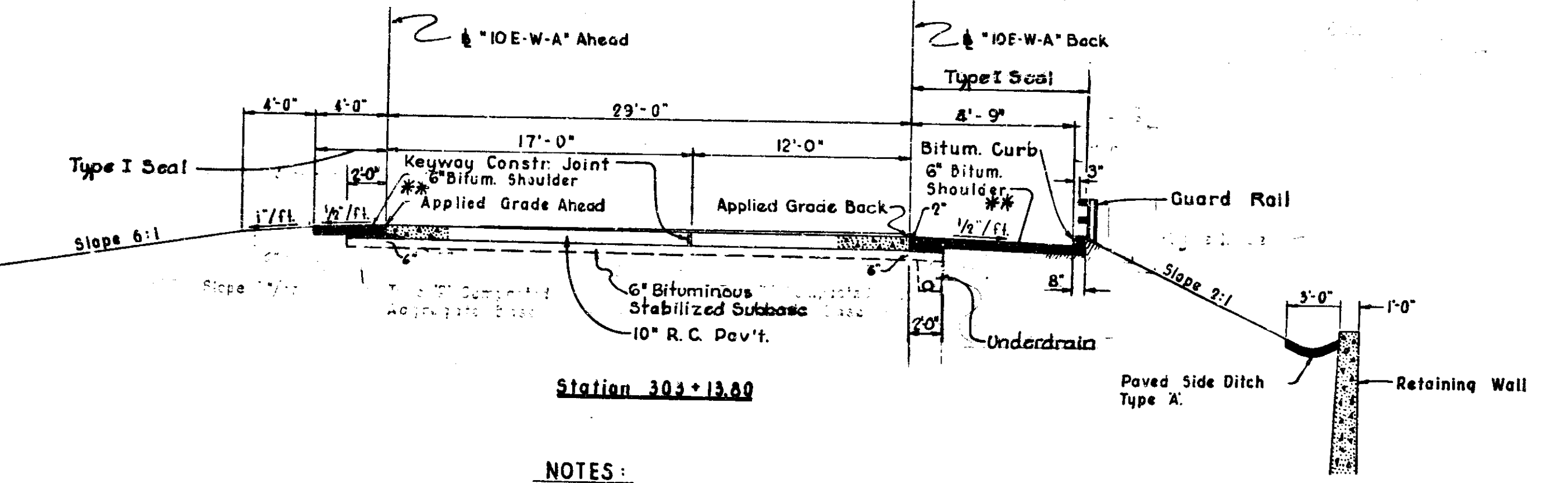
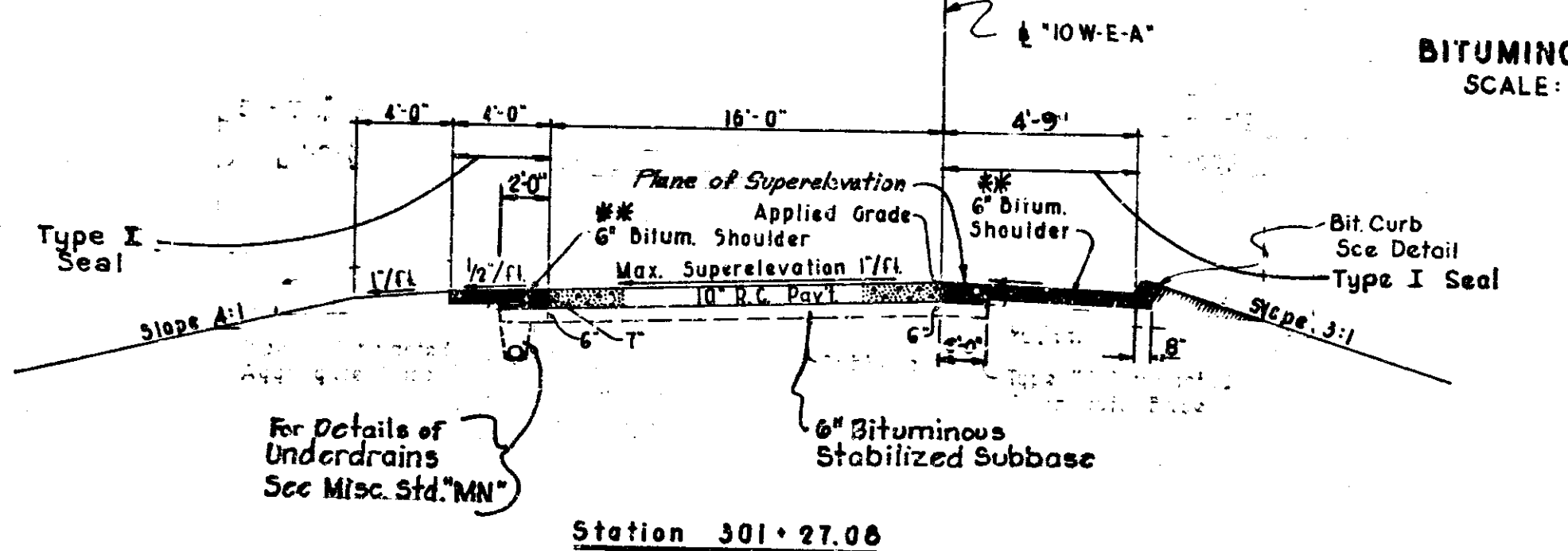
FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75)77	1970	4	237

RAMP '10 W-E-A'

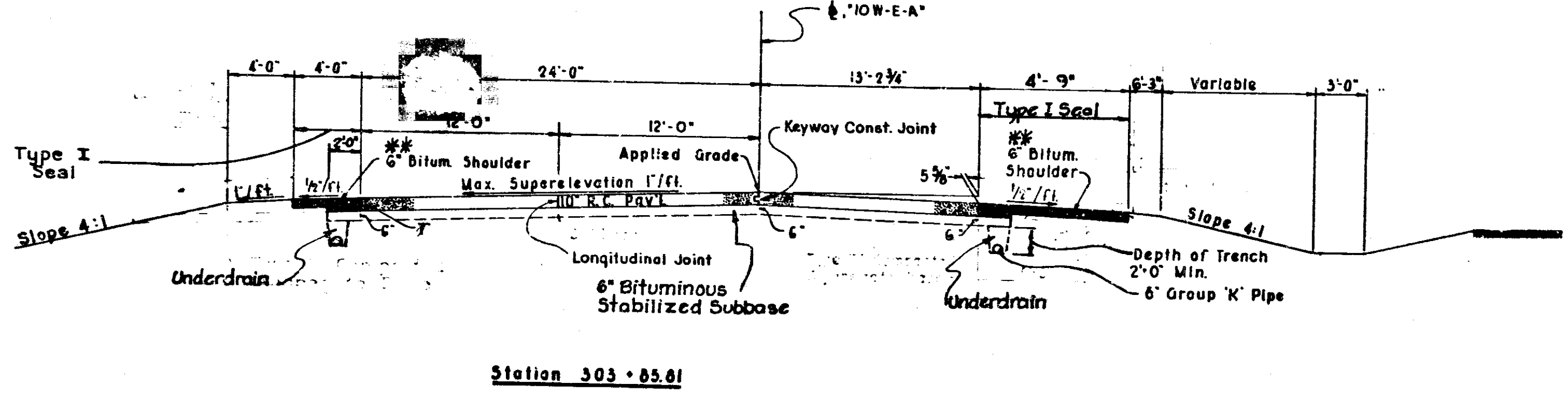
RAMP '10 E-W-A'



BITUMINOUS CURB
SCALE: 1/2" = 1'-0"



** 6" Bituminous Base (Size # 5) with Type I Seal Cover Aggregate Size 12

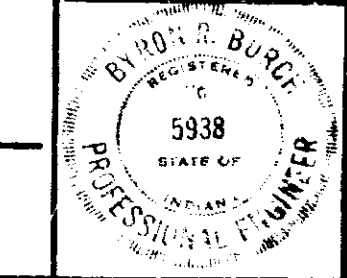


NOTES:

1. For Additional Pavement Details See Standard Ramp Section
2. For Details of Subsurface Drain See Misc. Standard Sheet "N"
3. All Slopes to be Sodded.
4. See Grading Plan For
A. Limits of Bituminous Curb.
B. Variations on Slopes.

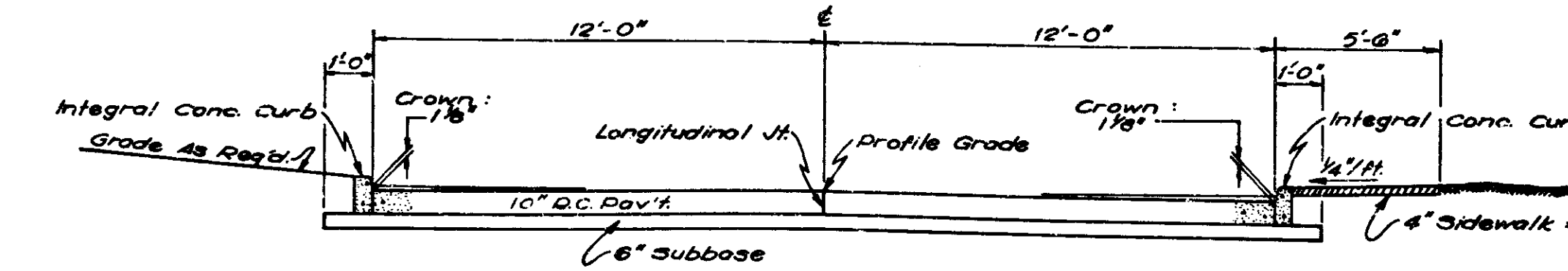
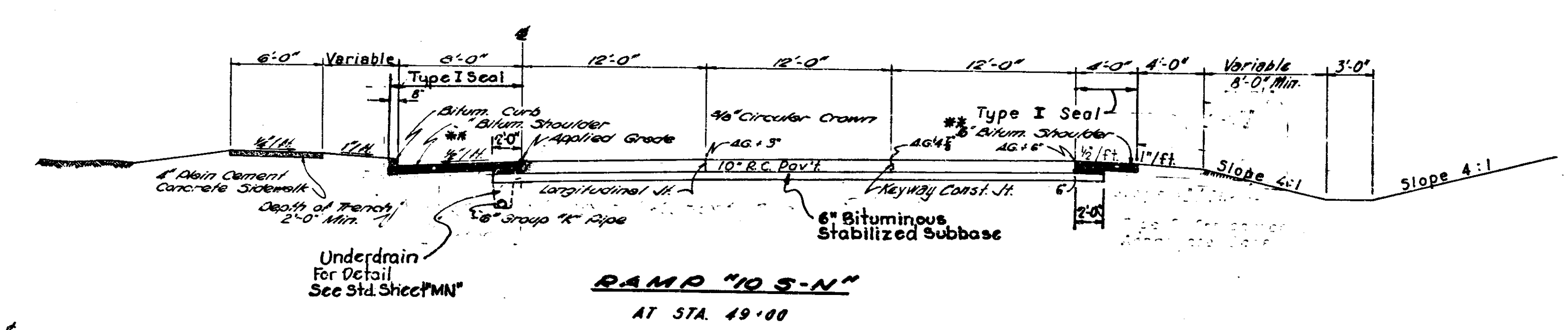
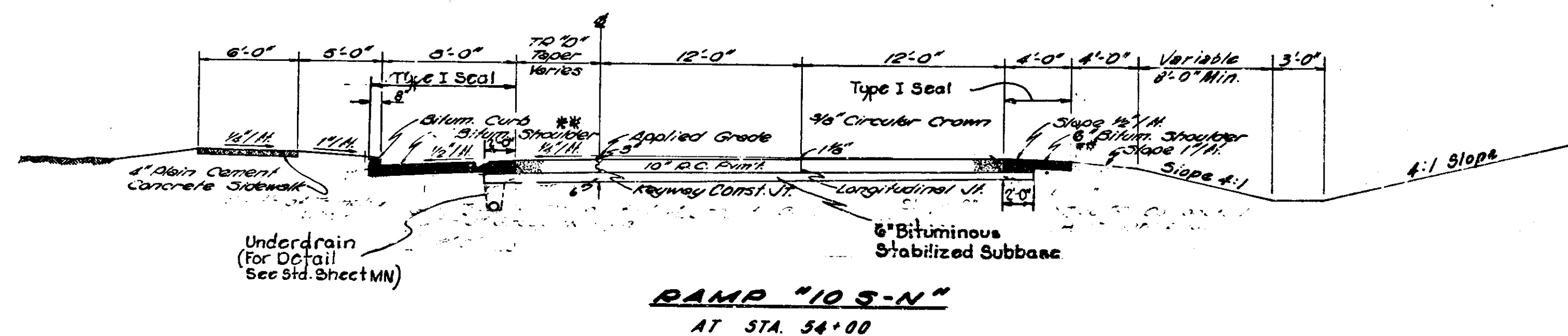
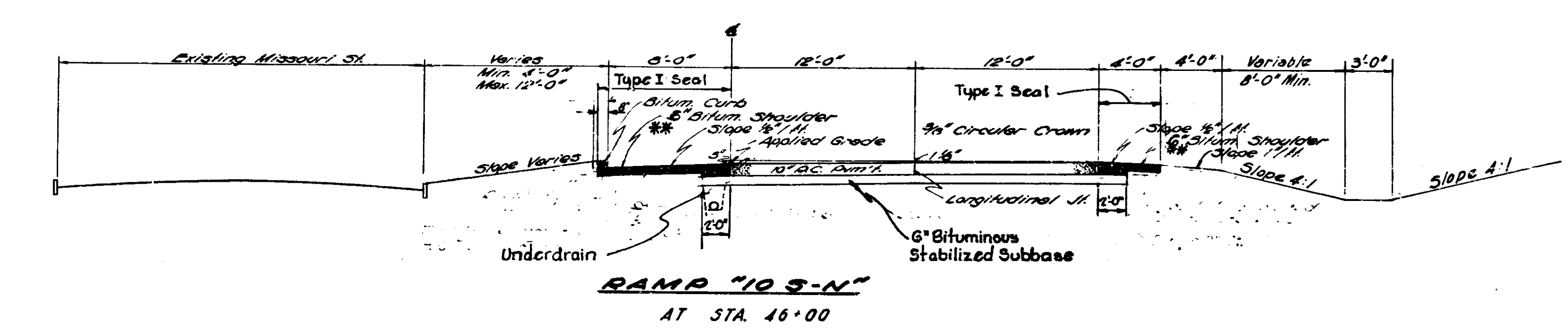
RAMP '10 W-E-A'
RAMP '10 E-W-A'
TYPICAL CROSS SECTIONS
SCALE: 3/16" = 1'-0"

RECOMMENDED FOR APPROVAL *10-28-70 Bryan C. Burch*
ENGINEER OF ROAD DESIGN, INDIANA STATE HIGHWAY COMMISSION



PROJ. LINE	SHEET	FILE
10-28-70	4	10-28-70

FEDERAL AID PROJECT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(7)77	1970	5	237



MEIKLE ST. TO RAY ST. CONNECTION (24')
 Scale: 1/4" = 1'-0"

NOT INCLUDED IN THIS CONTRACT
 SEE BRIDGE PROJECT I-70-3(6)77

NOTE: Sidewalk to be constructed on North side of all connections.

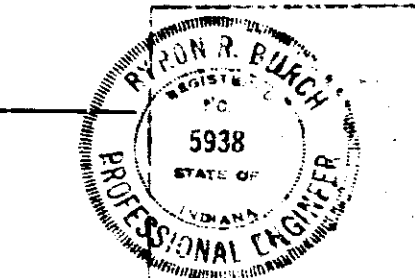
For pavement reinforcing details see Sheet "A" (Sheet No. 13)

** 6" Bituminous Base (Size #5) with Type I Seal Cover Aggregate Size 12

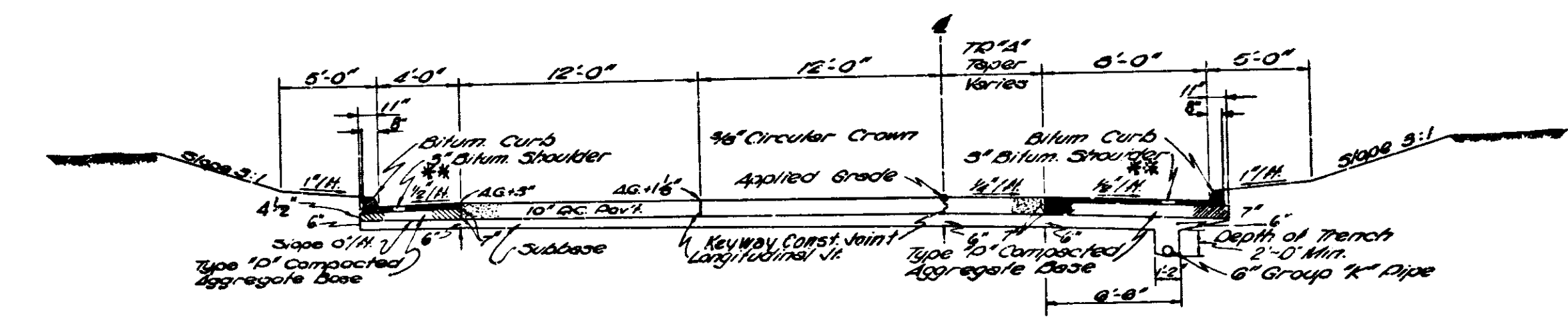
- NOTES:**
1. For Additional Pavement Details See Standard Ramp Section.
 2. For Details of Subsurface Drain See Misc. Standard Sheet "N".
 3. All Slopes to be Sodded.
 4. See Grading Plan For
 - A. Limits of Bituminous Curb.
 - B. Variation in Slopes.

RAMP 10S-N, MEIKLE TO RAY ST. TYPICAL CROSS SECTIONS

SCALE: 3/8" = 1'-0"
 RECOMMENDED FOR APPROVAL 10-28-70 *Byron R. Burch*
 ENGINEER OF ROAD DESIGN INDIANA STATE HIGHWAY COMMISSION

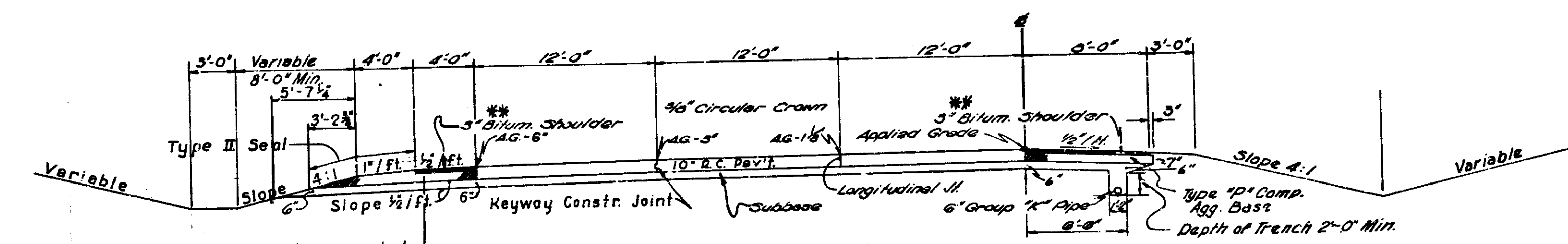


FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75) 77	1970	6	297

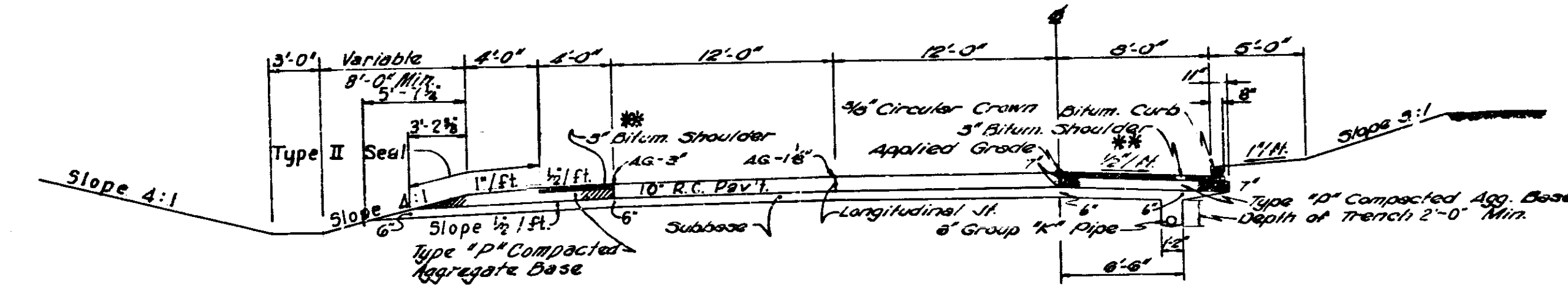


RAMP "10-N-S"
AT STA. 45+00

** 3" Bituminous Base (Size # 5)
with Type I Seal
Cover Aggregate Size 12



RAMP "10-N-S"
AT STA. 49+00

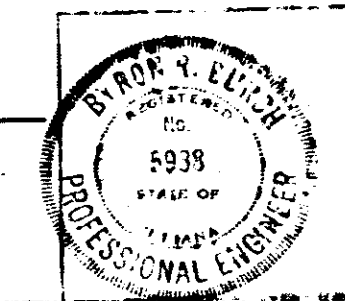


RAMP "10-N-S"
AT STA. 53+50

- NOTES:**
1. For Additional Pavement Details See Standard Ramp Section
 2. For Details of Subsurface Drain See Misc. Standard Sheet N.
 3. All Slopes to be Sodded.
 4. See Grading Plan for:
 - A. Limits of Bituminous Curb
 - B. Variations on Slopes

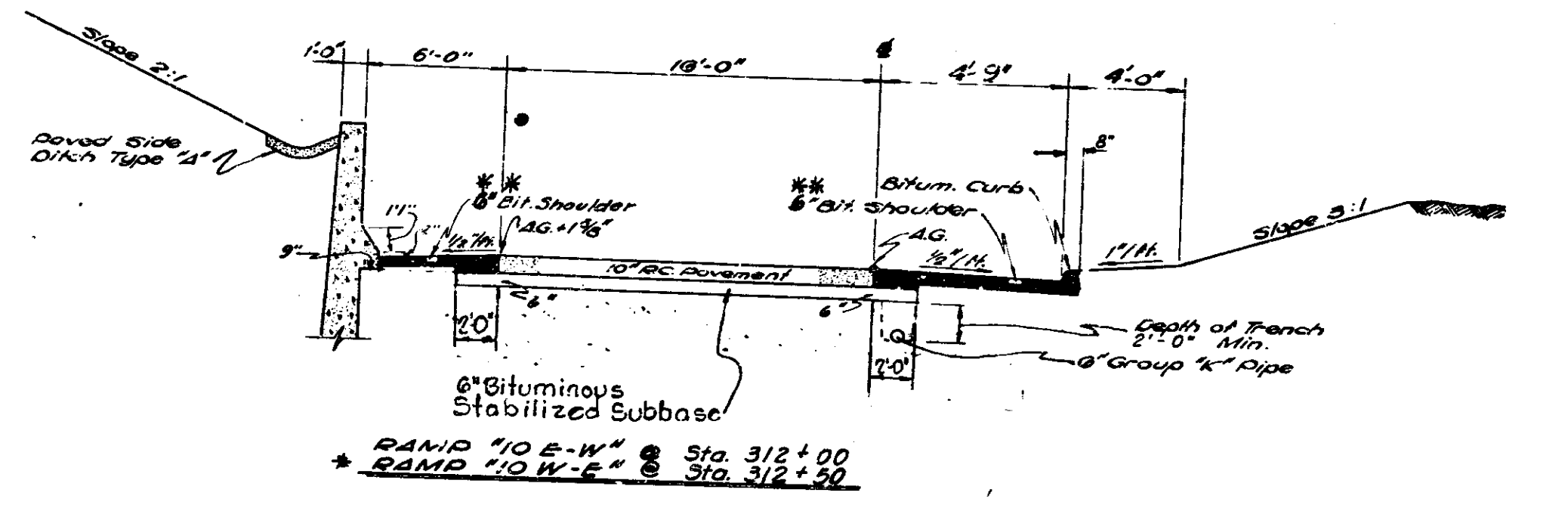
NOT INCLUDED IN THIS CONTRACT
TO BE CONSTRUCTED IN BRIDGE PROJECT 1-70-3(69)77
RAMP '10-N-S'
TYPICAL CROSS SECTIONS

SCALE: 3/8" = 1'-0"
RECOMMENDED FOR APPROVAL 10-28-70 *Byron R. Hurd*
ENGINEER OF ROAD DESIGN - INDIANA STATE HIGHWAY COMMISSION

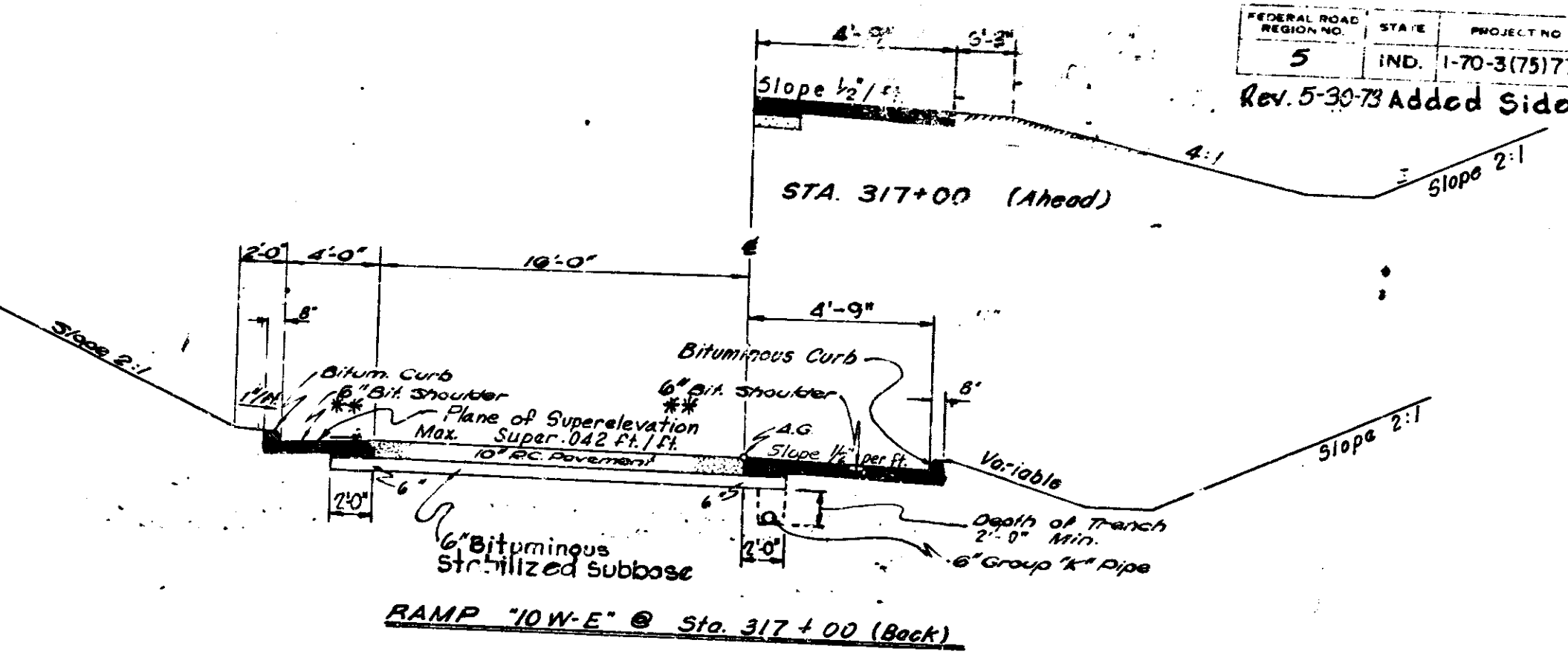


FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	1970	7	237

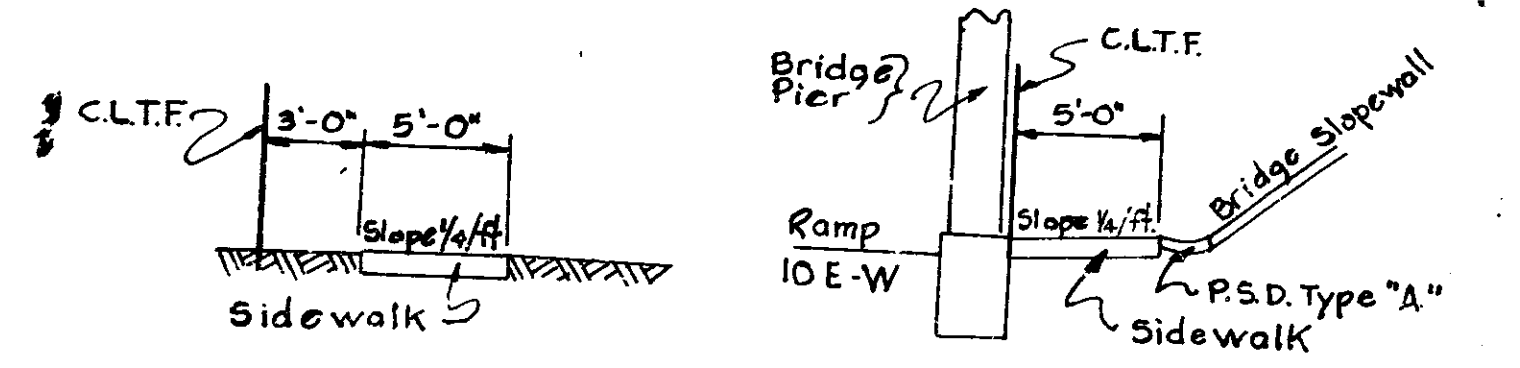
Rev. 5-30-73 Added Sidewalk



RAMP '10E-W' @ Sta. 312+00
 RAMP '10W-E' @ Sta. 312+50

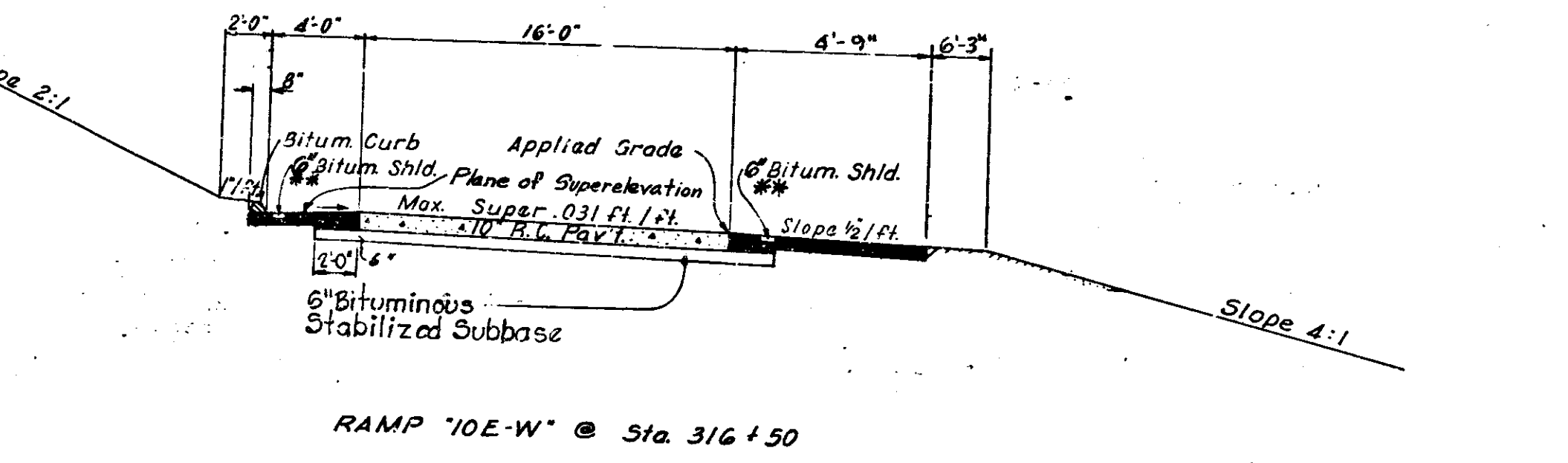


RAMP '10W-E' @ Sta. 317+00 (Back)

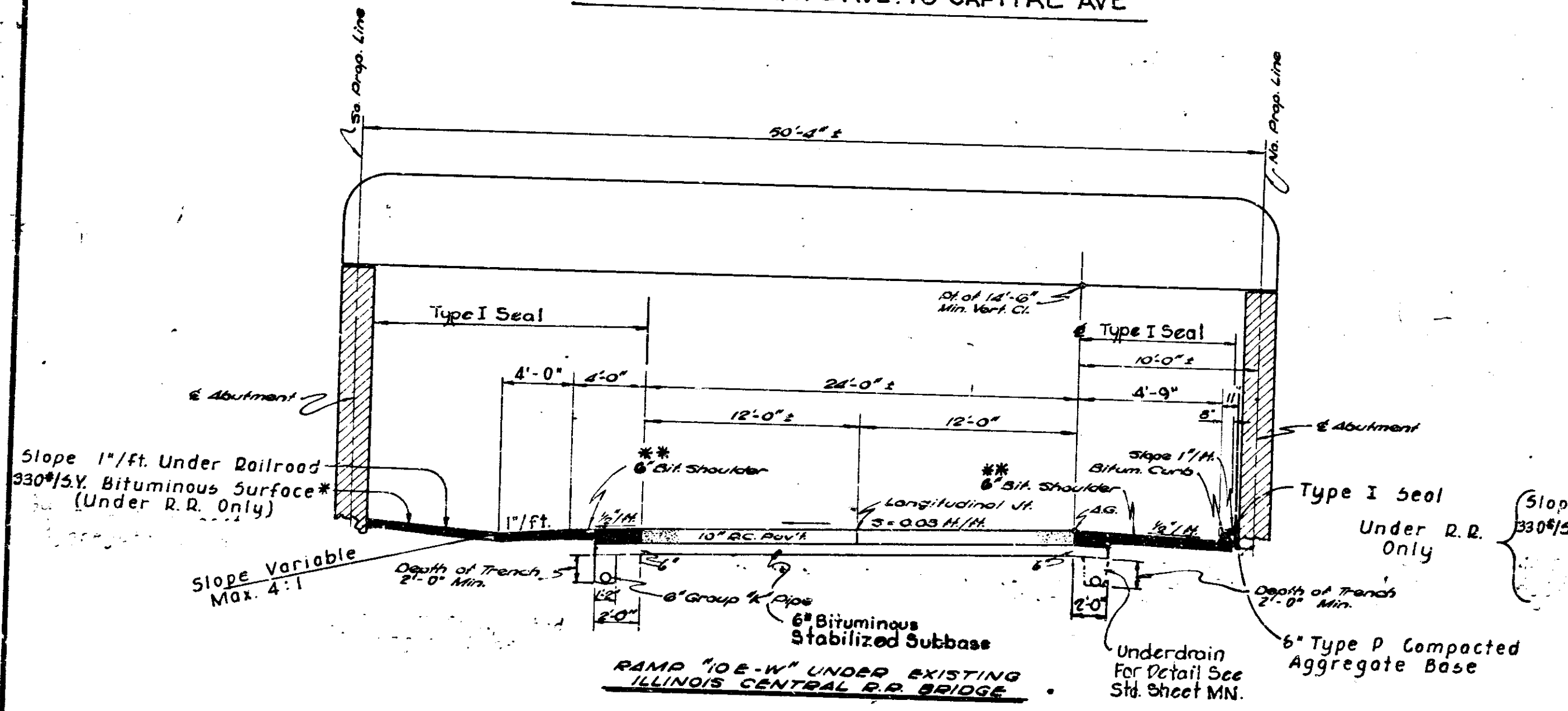


SIDWALK SENATE AVE. TO CAPITAL AVE

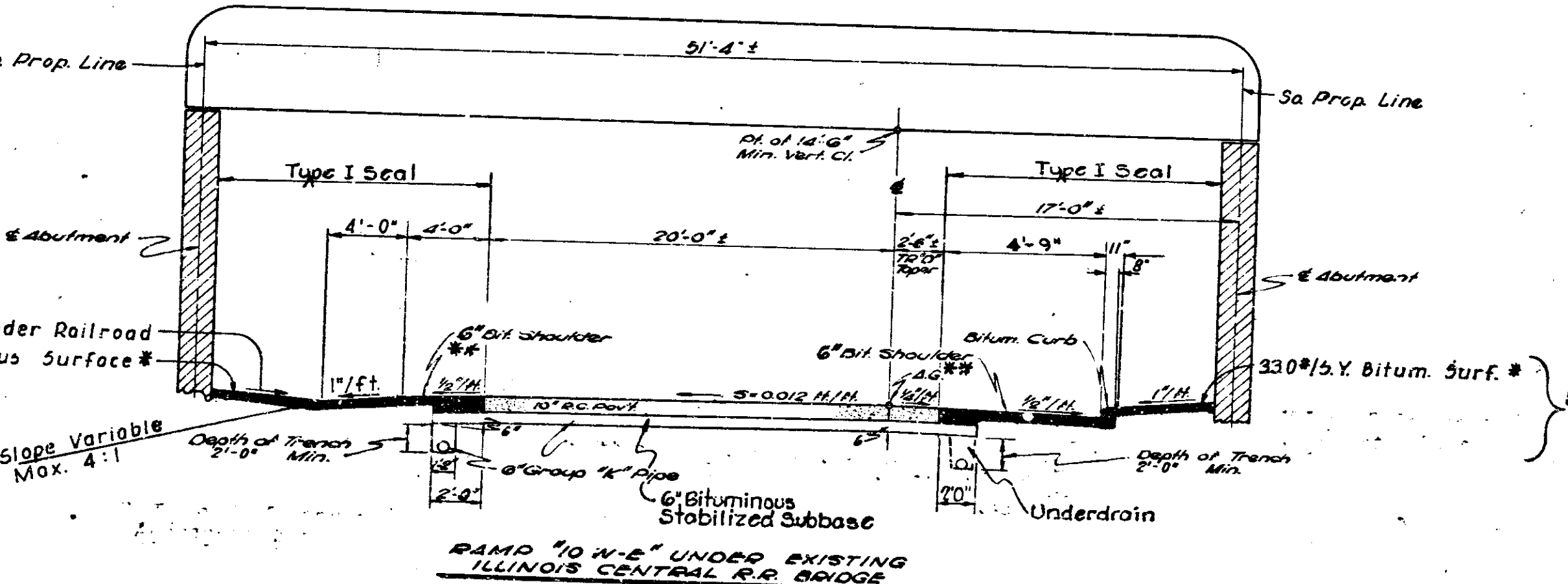
** 6" Bituminous Base (Size # 5) with Type I Seal Cover Aggregate Size 1 1/2



RAMP '10E-W' @ Sta. 316+50



RAMP '10E-W' UNDER EXISTING ILLINOIS CENTRAL R.R. BRIDGE



RAMP '10W-E' UNDER EXISTING ILLINOIS CENTRAL R.R. BRIDGE

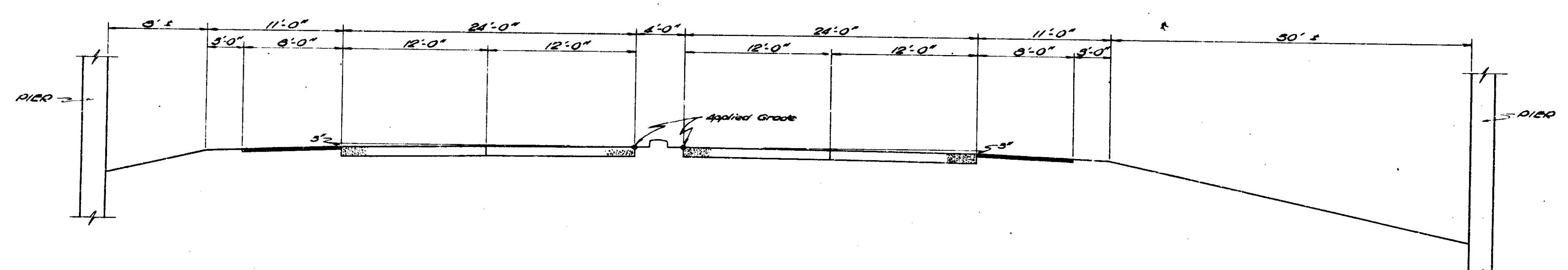
NOTE: For Additional Part. Details See Standard Ramp Section
 For Details of Subsurface Drainage See Miscellaneous Standard Sheet 747
 All slopes to be sodded.
 See Grading Plan for
 A. Limits of Bit. Curb
 B. Variation in Slopes.
 ** 330#/5Y Bituminous Surf. { Hot Asphaltic Conc. Surface Type B
 or
 Hot A.E. Surface Type III

RAMP '10E-W' & RAMP '10W-E' TYPICAL CROSS SECTIONS

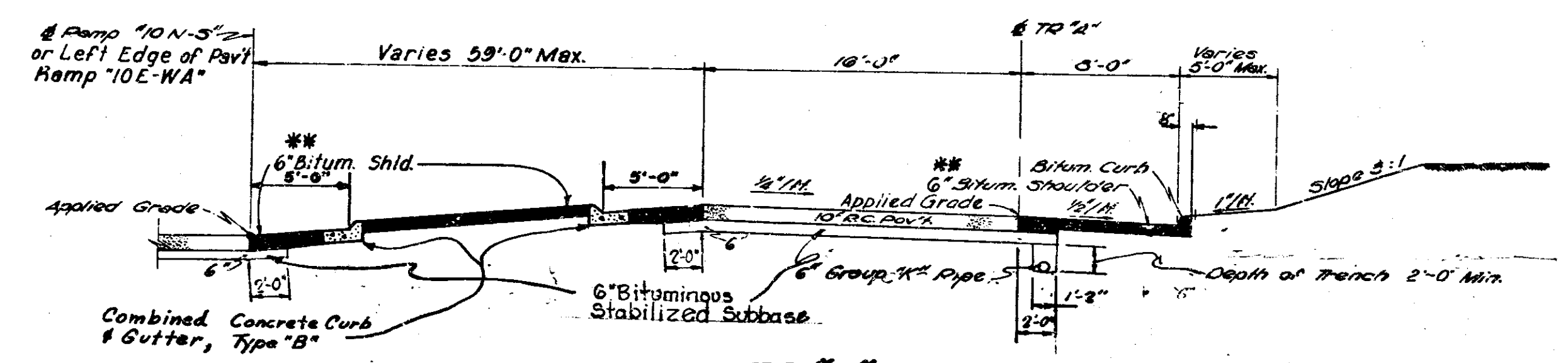
SCALE: 1/4" = 1'-0"
 RECOMMENDED FOR APPROVAL 10-28-70
 ENGINEER OF ROAD DESIGN ILLINOIS STATE HIGHWAY COMMISSION



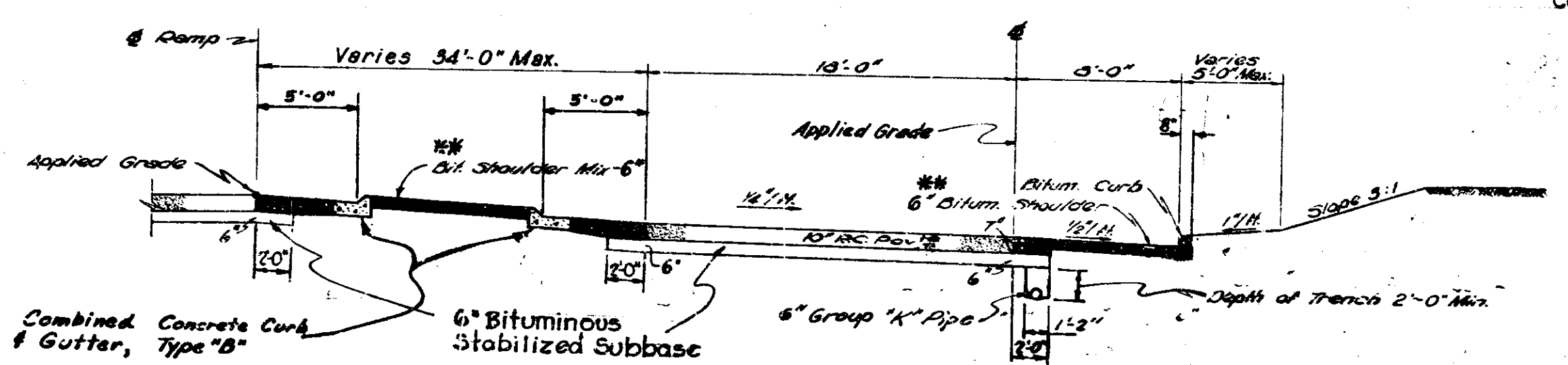
PROJECT NO.	1-70-3(75)77
SHEET NO.	7
TOTAL SHEETS	237



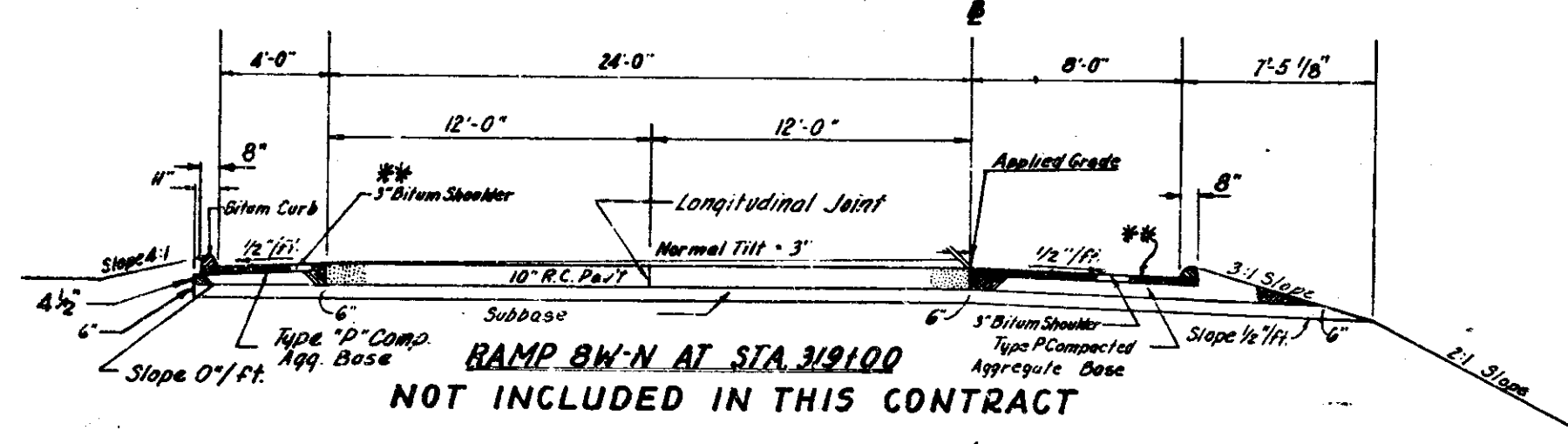
FUTURE CITY EXPRESSWAY
 Scale: 3/16" = 1'-0"
 NOT INCLUDED IN THIS CONTRACT



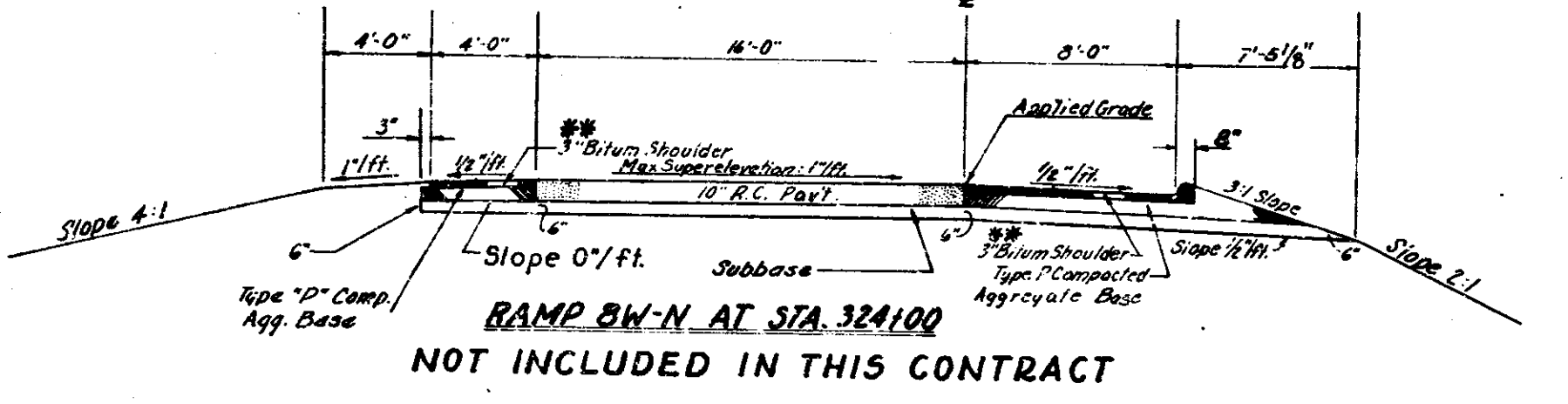
TR 'A'
 Scale: 3/16" = 1'-0"



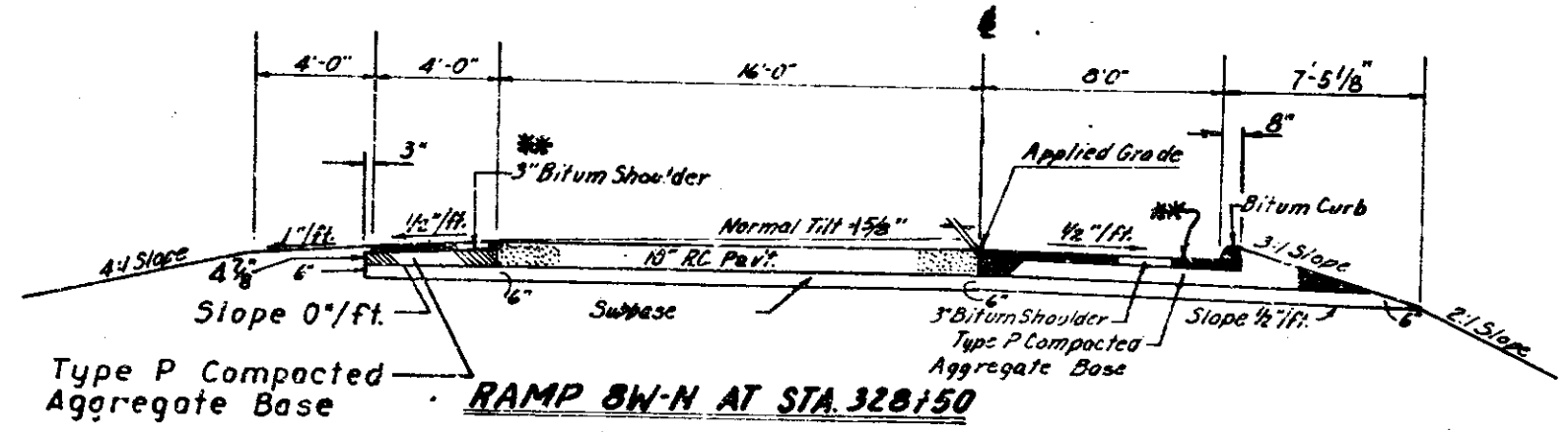
TR 'B'
TR 'C'
TR 'D'
 Scale: 3/16" = 1'-0"



RAMP BW-N AT STA. 318100
 NOT INCLUDED IN THIS CONTRACT



RAMP BW-N AT STA. 324100
 NOT INCLUDED IN THIS CONTRACT



RAMP BW-N AT STA. 328150
 NOT INCLUDED IN THIS CONTRACT

6" Bituminous Base (Size #5) with Type I Seal Cover Aggregate Size 12

90% 1/2" H.A.C. Surface Type B on 1230% 1/2" H.A.C. Base or 90% 1/2" H.A.E. Surface Type III on 1230% 1/2" H.A.E. Base

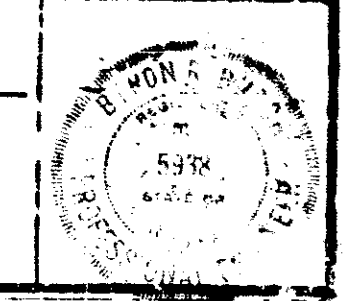


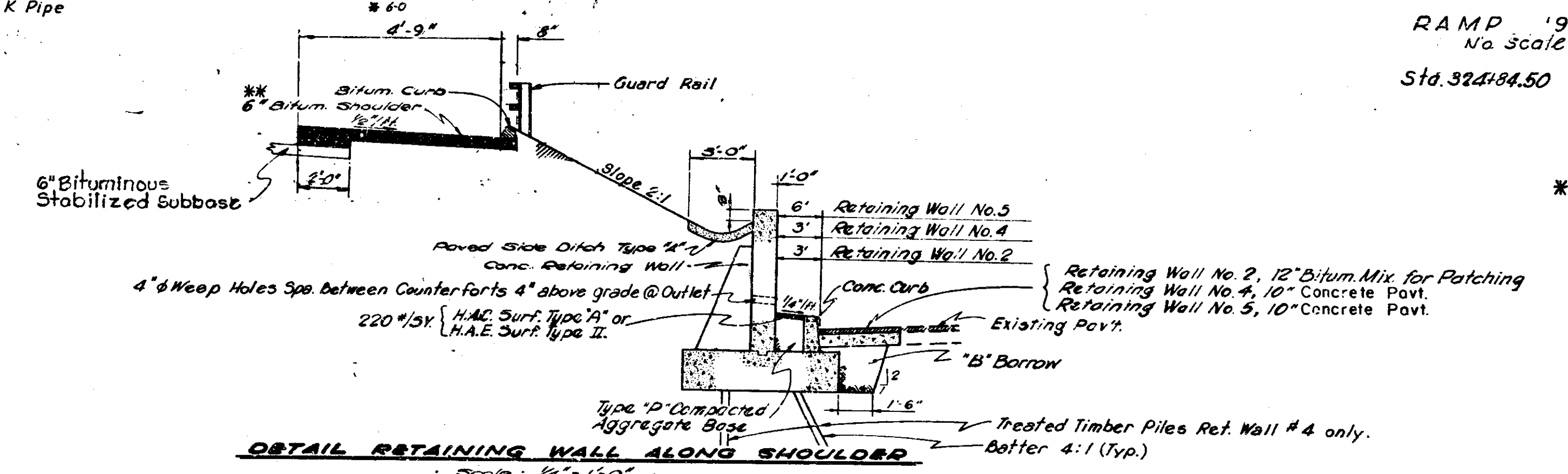
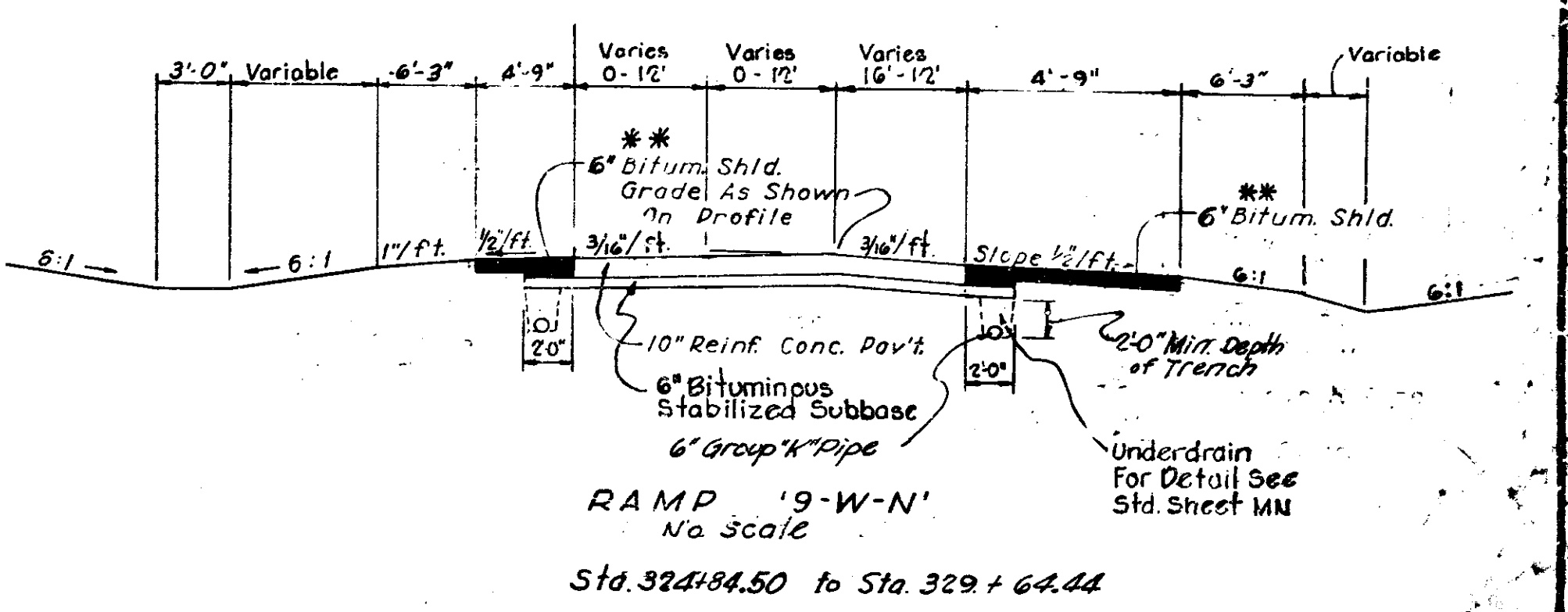
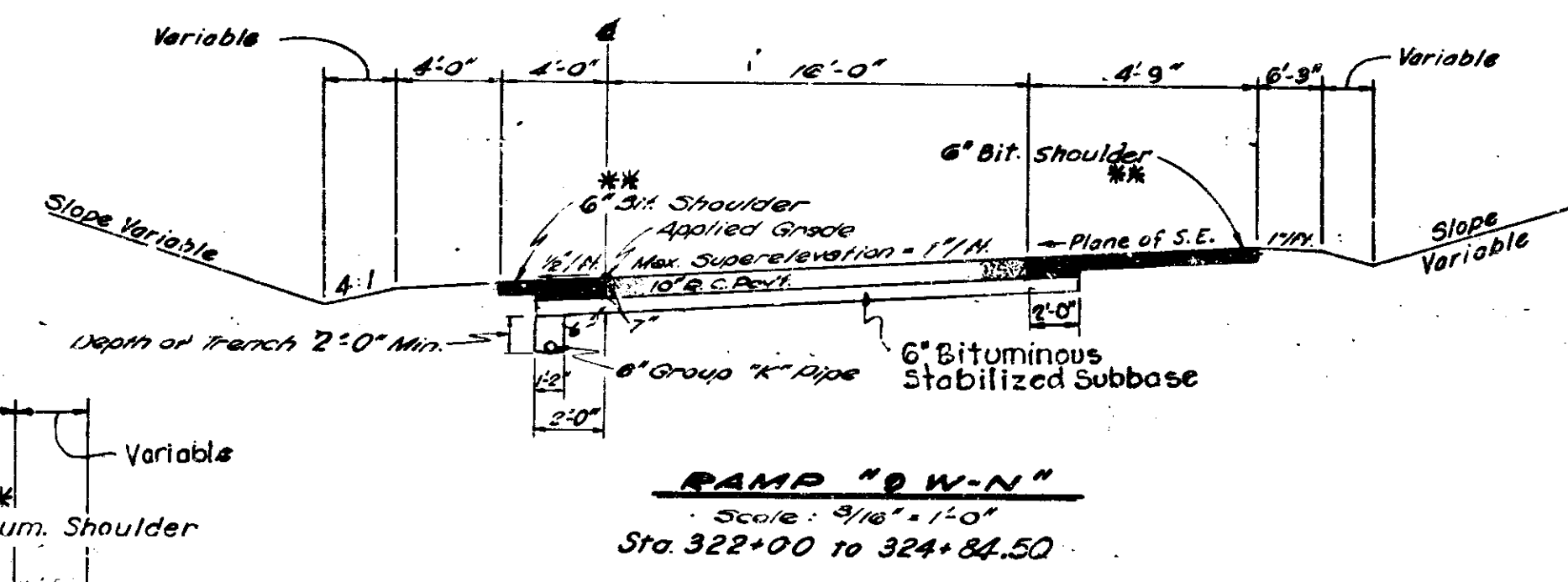
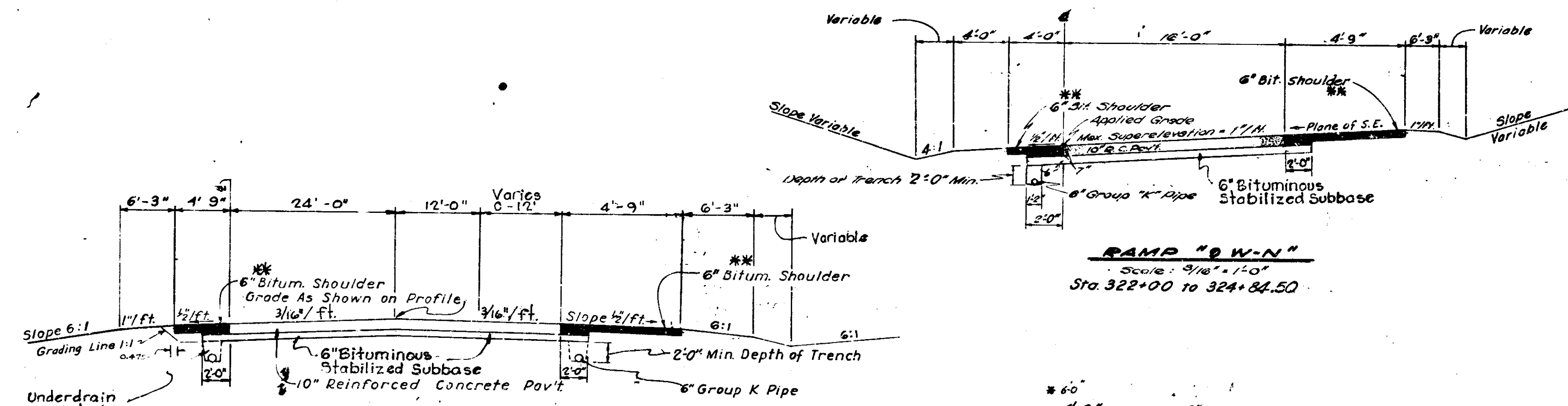
BITUMINOUS PATCHING
 Not to Scale

NOTE:
 SEE GRADING PLAN FOR
 A. Limits of Bituminous Curb
 B. Variations in Slopes
 All Slopes to be Staked

RAMP BW-N & TR 'A', 'B', 'C', & 'D'
TYPICAL CROSS SECTIONS

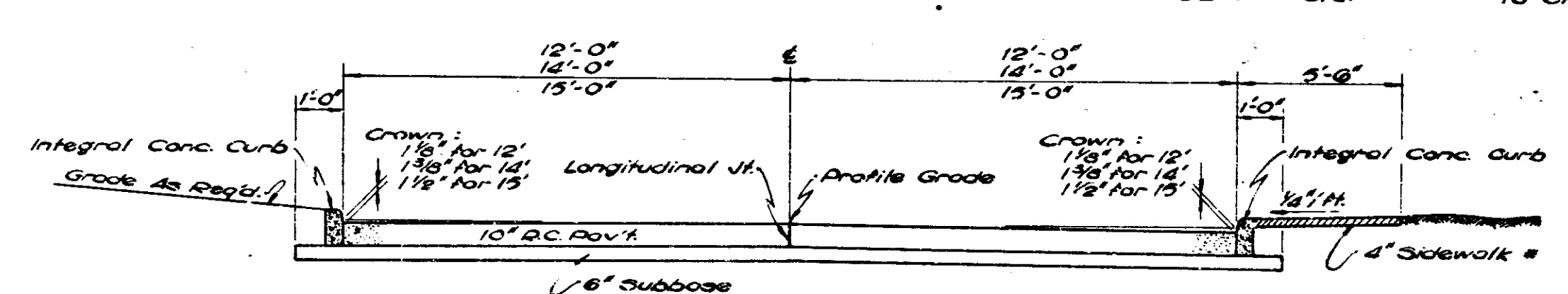
SCALE: As Noted
 RECOMMENDED FOR APPROVAL





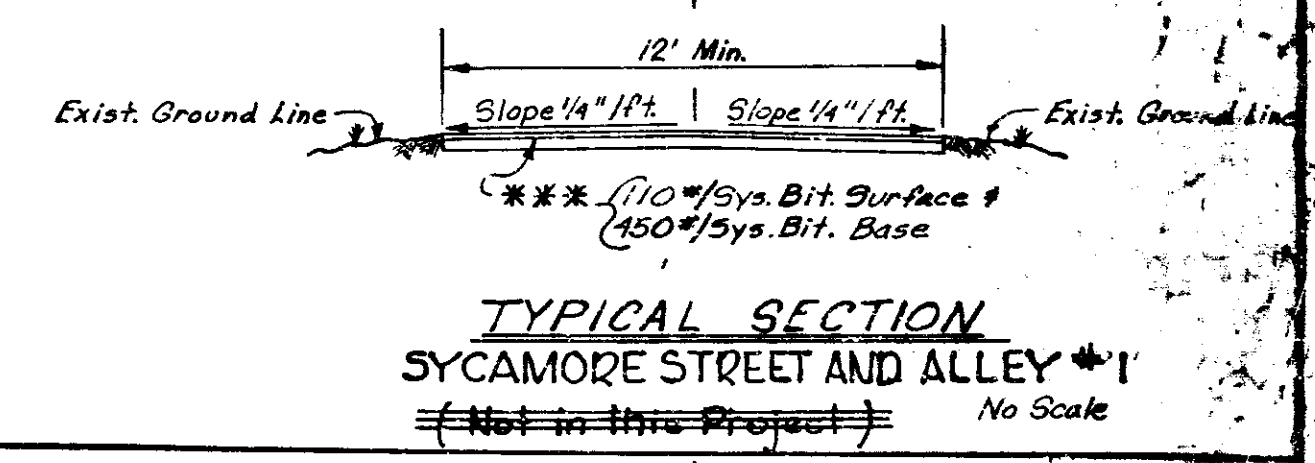
*** 3" Bituminous Base (Size #5) with Type I Seal Cover Aggregate Size 12

NOTE: Grades for Relocated Alleys To Be As Established By The Project Engineer.



NOT INCLUDED IN THIS PROJECT

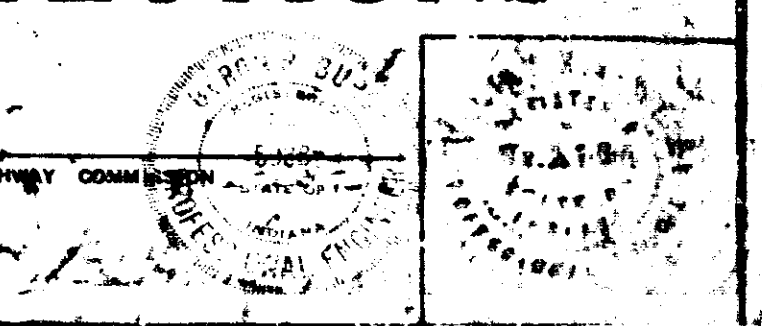
NOTE: 1. Sidewalk to be constructed on North side of all connections.
2. For details of Subsurface Drain see Misc. Sht. Sht. 'N'.



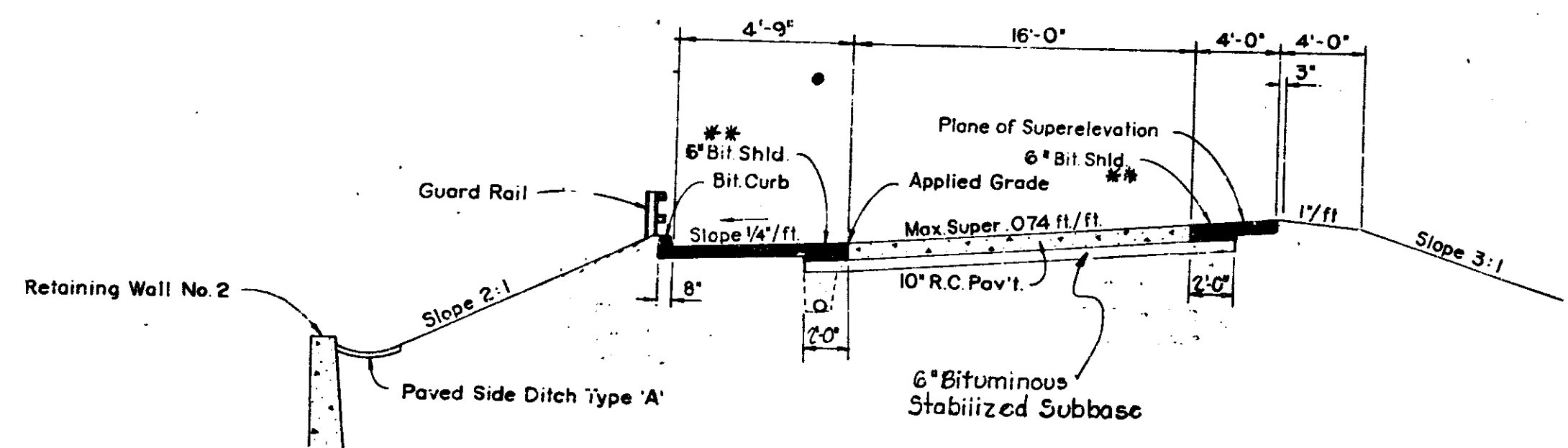
RAMP '9-W-N' & RAY ST. CONNECTIONS TYPICAL CROSS SECTIONS

SCALE: As Noted

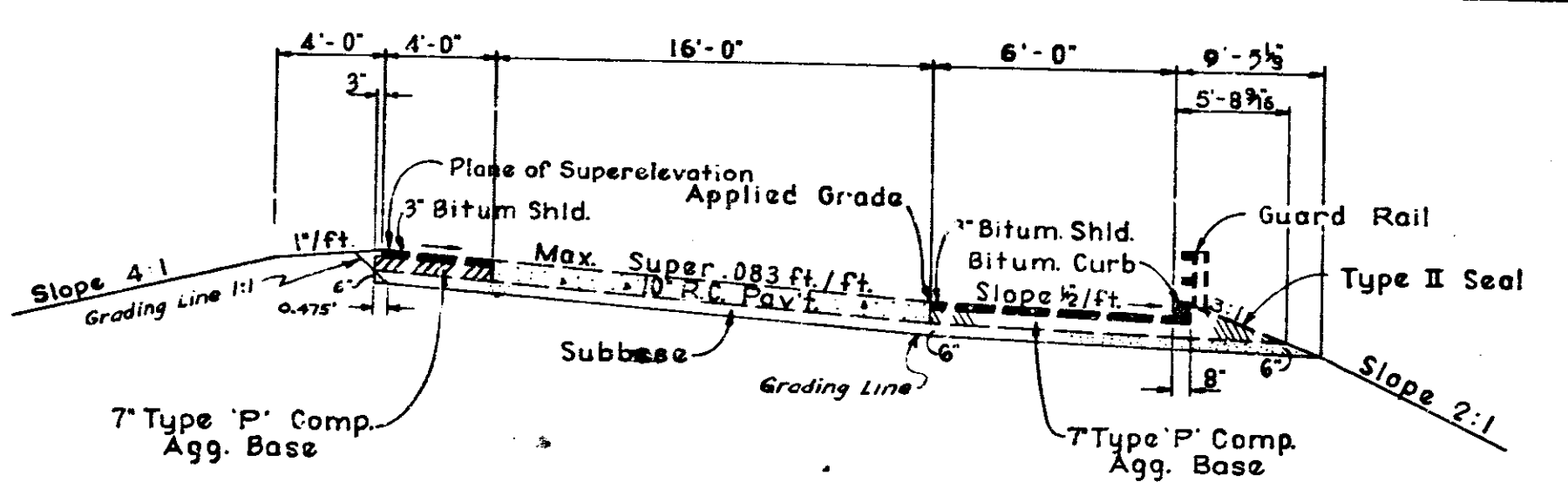
RECOMMENDED FOR APPROVAL *[Signature]*
6-30-77
ENGINEER OF ROAD DESIGN - INDIANA STATE HIGHWAY COMMISSION



FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)177	197	10	237

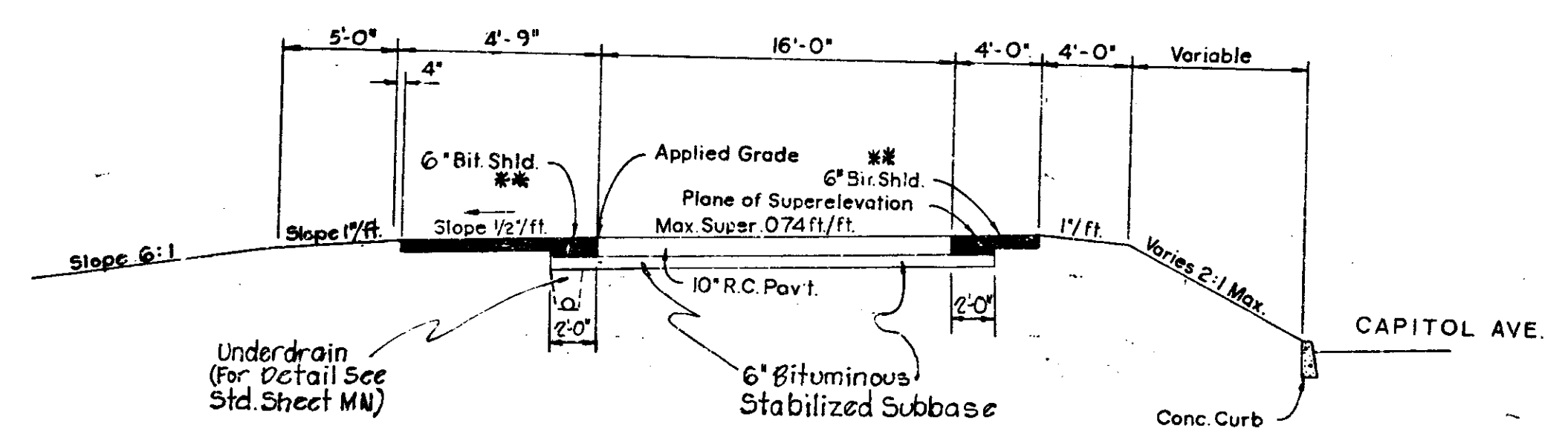


RAMP "9N-W"
STA. 316 + 50



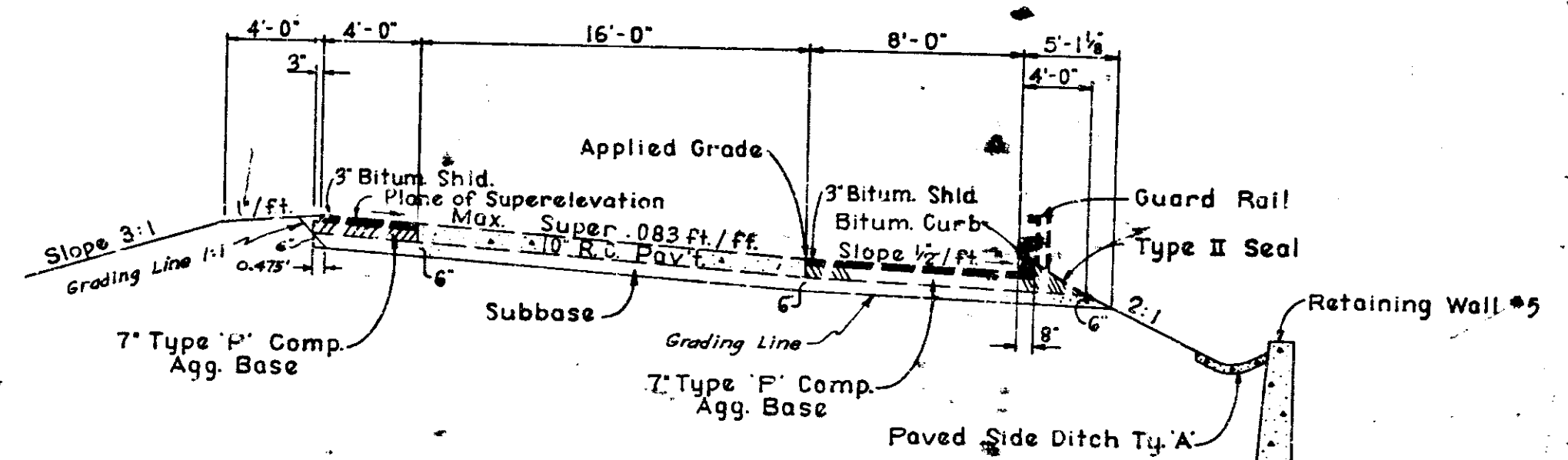
RAMP "8N-W"
STA. 332 + 00

FOR GRADING ONLY



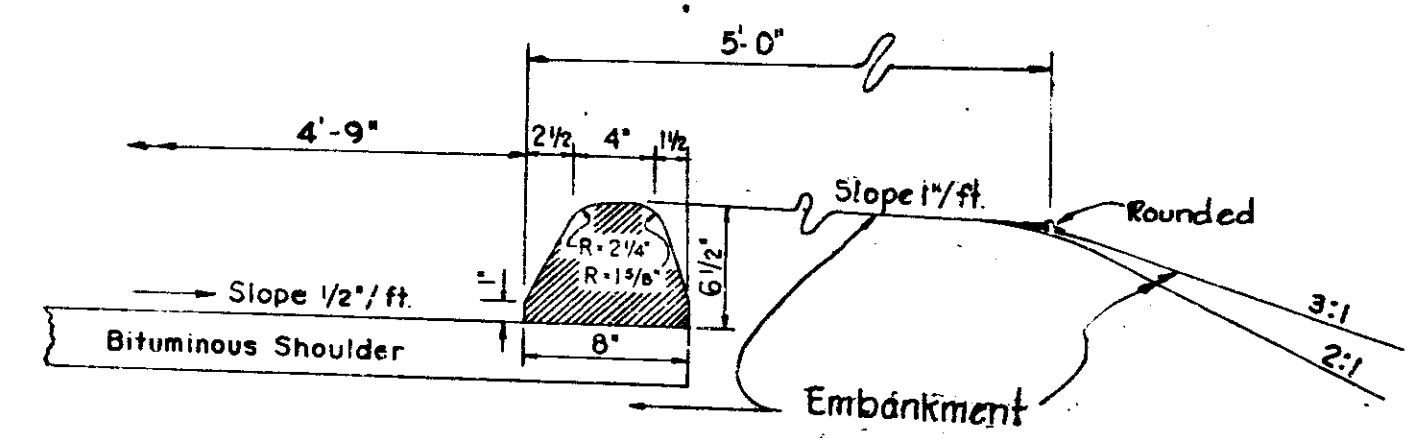
RAMP "9N-W"
STA. 320 + 00

** 6" Bituminous Base (Size #5) with Type I Seal Cover Aggregate Size 12



RAMP "8E-N"
STA. 332 + 00

FOR GRADING ONLY



BITUMINOUS CURB
Scale: 1/2" = 1'-0"

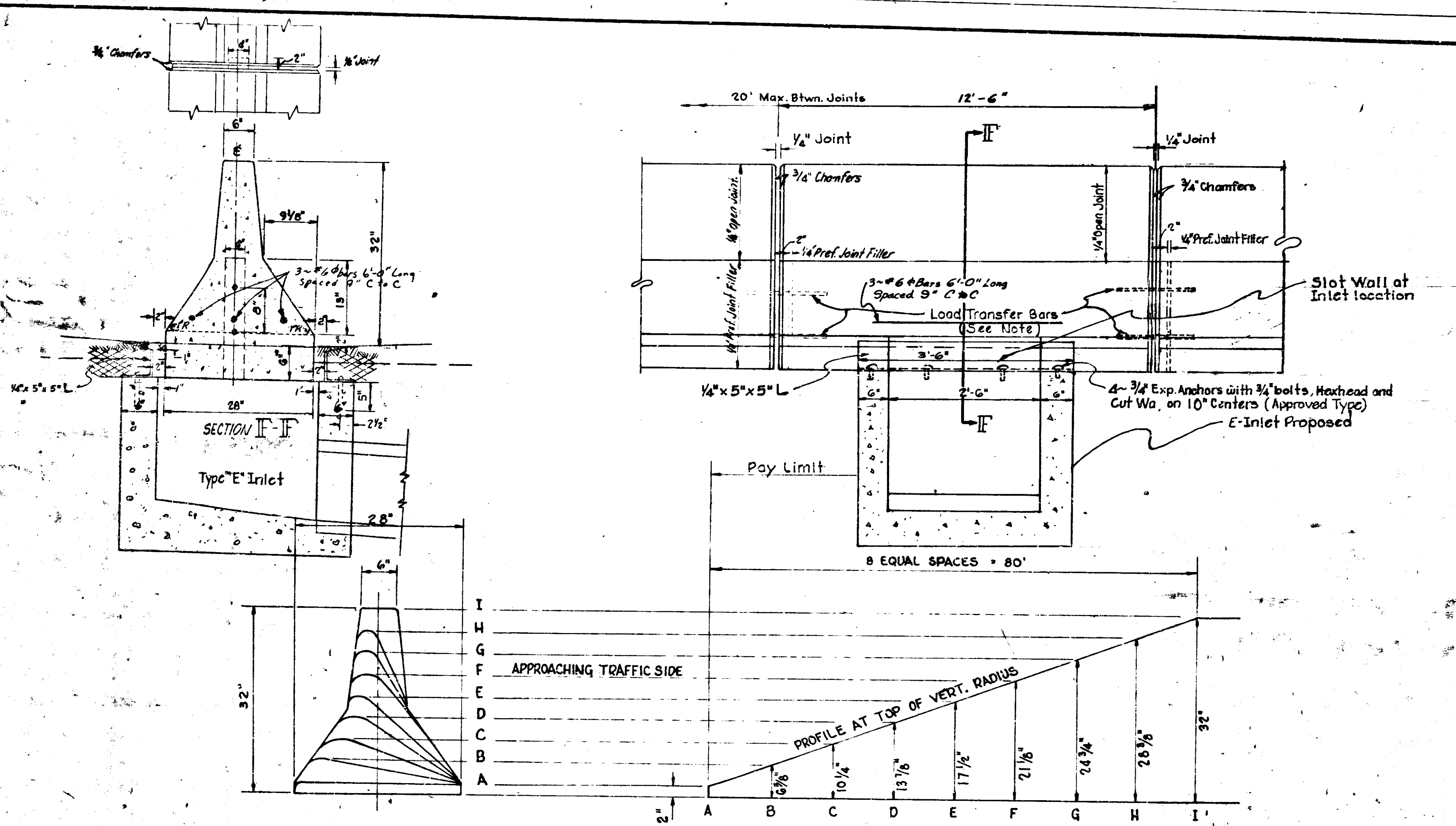
RAMP '9-N-W' RAMP '8-N-W' RAMP '8-E-N'
TYPICAL CROSS SECTIONS
SCALE: 3/8" = 1'-0"

RECOMMENDED FOR APPROVAL
ENGINEER OF ROAD DESIGN - INDIANA STATE HIGHWAY COMMISSION



PROJ. NO.	LINE	SHEET	FILE
I-70-3(75)177		10	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)		11	257



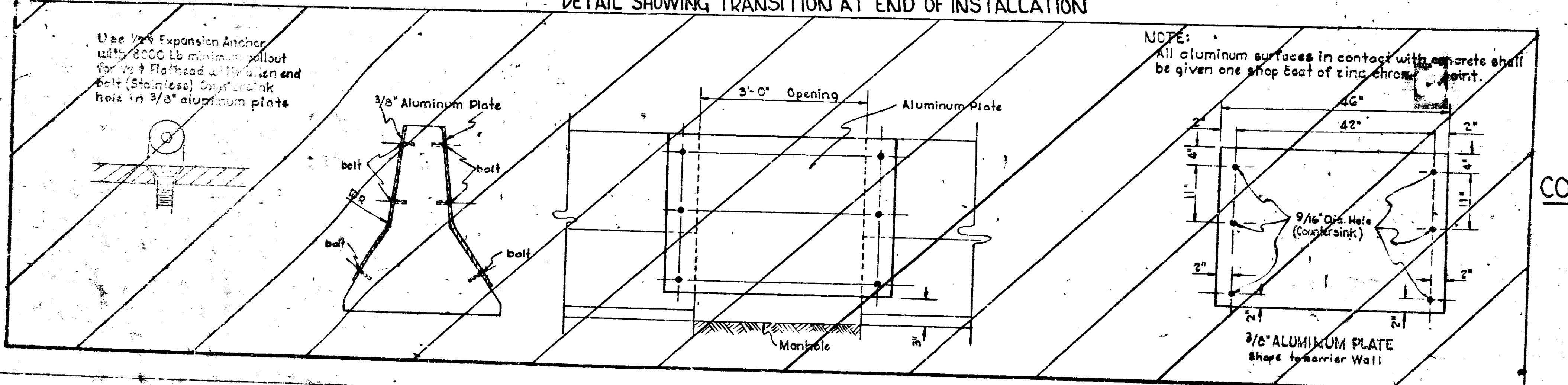
DETAIL SHOWING TRANSITION AT END OF INSTALLATION

~~BILL of MATERIALS~~

ITEM	QUANTITY
Concrete Class "A" for structure	Cyd

Note
Two standard 18 inch load Transfer dowel bars shall be placed in place Concrete median Barrier Wall.

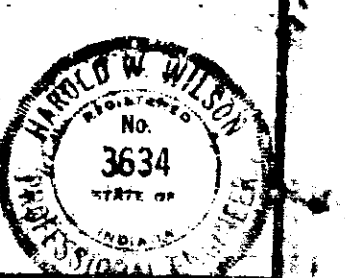
Anchor bolts, bars and "L" plate shall be included in price of wall.



CONCRETE MEDIAN BARRIER WALL

Scale 1" = 1'

DETAILS



November 6, 1964

PROJECT NO.	LIN.	SHEET NO.	TOTAL SHEETS
I-70-3(75)		11	257

PLAN SHOWN
 NOTED
 SITE WORK
 OF ANY
 CHARACTER

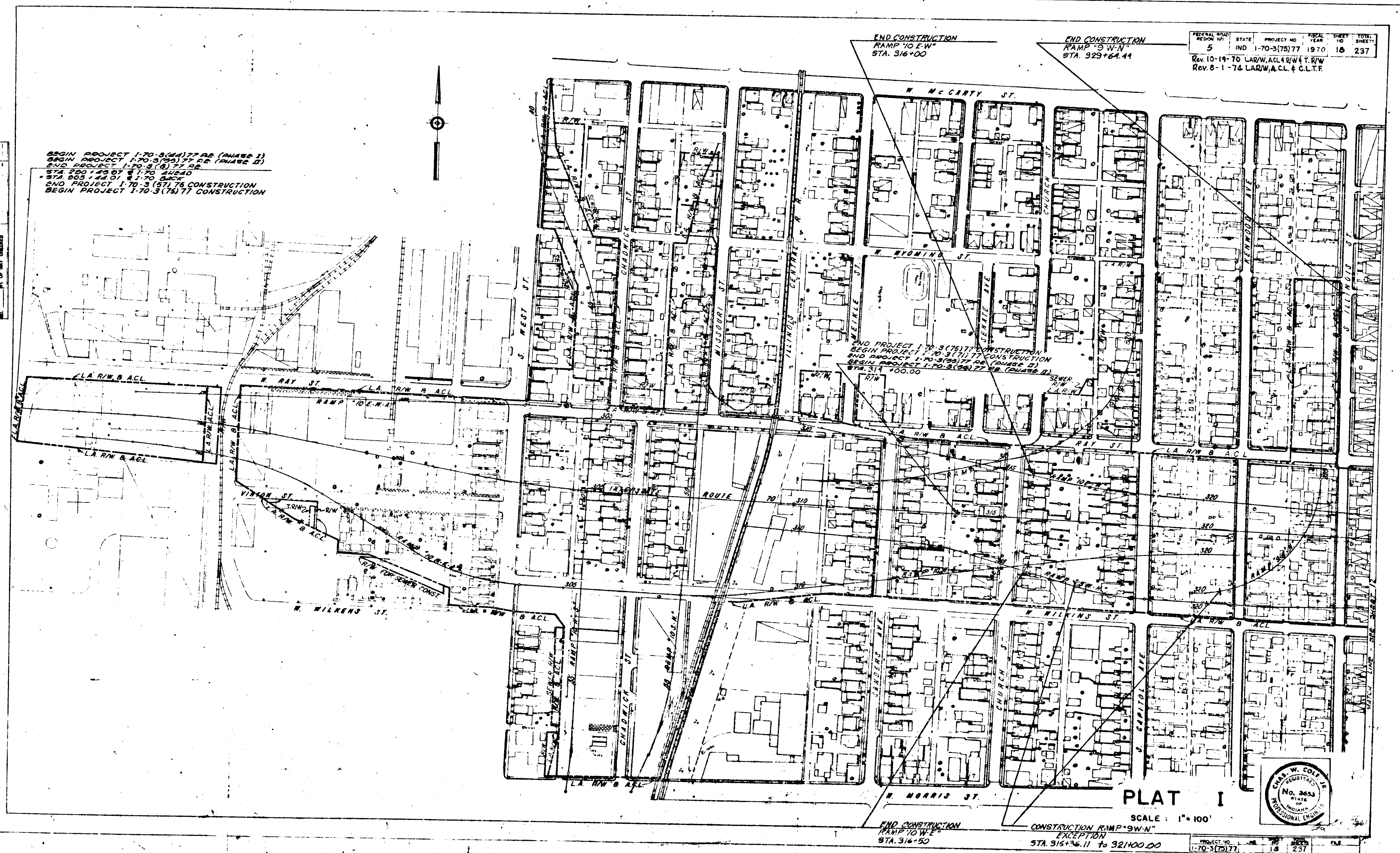
BEGIN PROJECT I-70-3(4)77 RE (PHASE I)
 BEGIN PROJECT I-70-3(5)77 RE (PHASE II)
 END PROJECT I-70-3(5)77 RE
 STA. 200+48.01 TO 1+70+410.00
 STA. 205+42.01 TO 1+70+600.00
 END PROJECT I-70-3(5)77 CONSTRUCTION
 BEGIN PROJECT I-70-3(75)77 CONSTRUCTION

END CONSTRUCTION
 RAMP TO E/W
 STA. 316+00

END CONSTRUCTION
 RAMP TO W/W
 STA. 929+64.44

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	I-70-3(75)77	1970	18	237

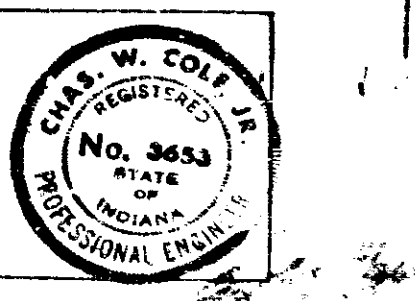
Rev. 10-19-70 LAR/W.A.C.L. & T.R/W
 Rev. 8-1-74 LAR/W.A.C.L. & C.L.T.F.



END PROJECT I-70-3(75)77 CONSTRUCTION
 END PROJECT I-70-3(71)77 CONSTRUCTION
 BEGIN PROJECT I-70-3(5)77 RE (PHASE II)
 STA. 314+00.00

PLAT I

SCALE: 1" = 100'

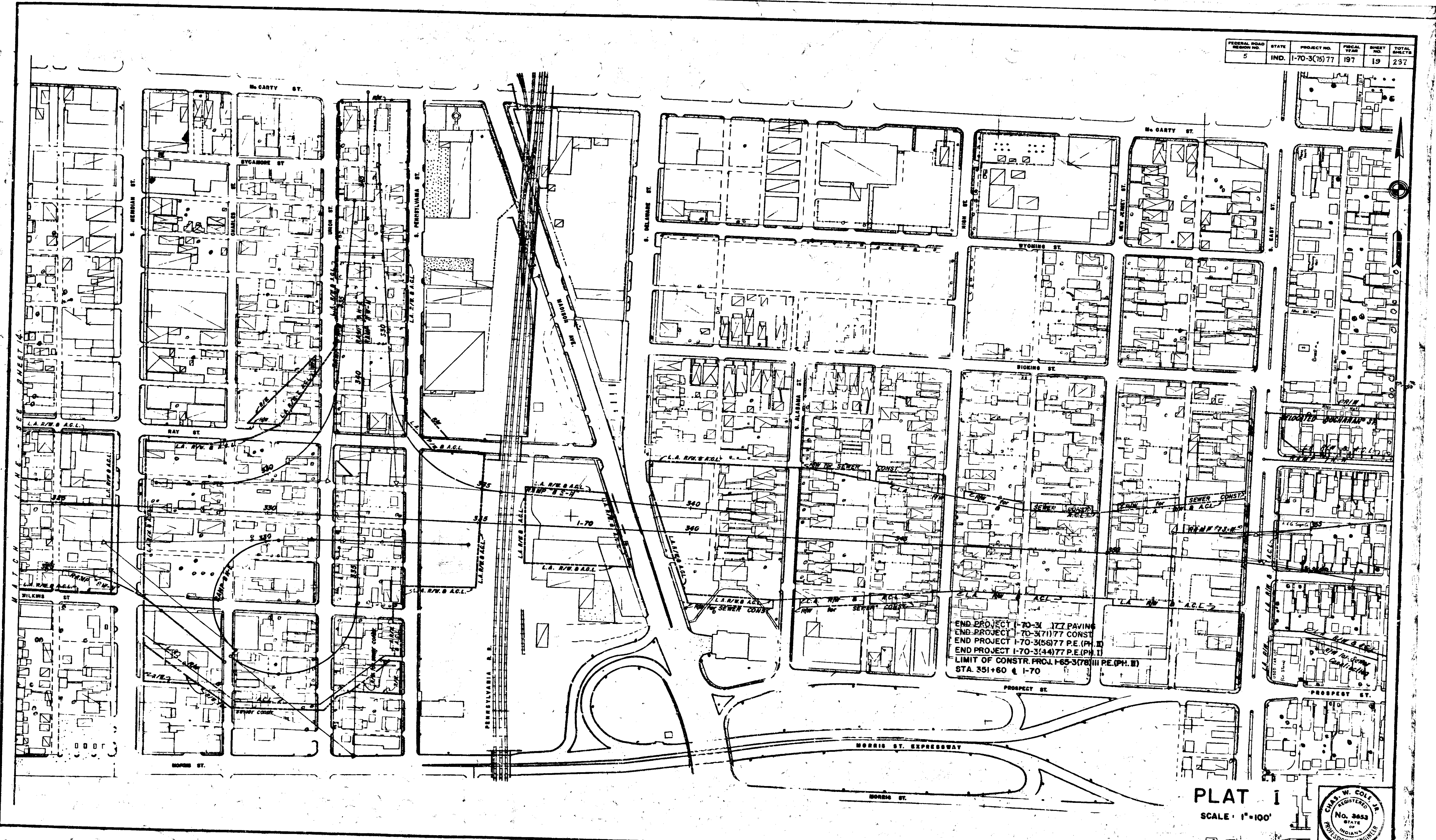


END CONSTRUCTION
 RAMP TO W/E
 STA. 316+50

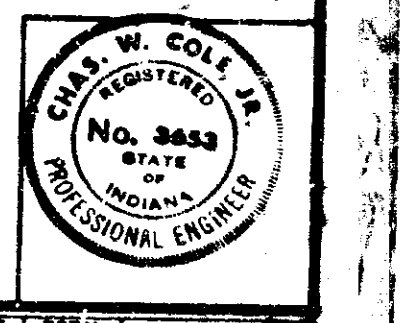
CONSTRUCTION RAMP TO W/W
 EXCEPTION
 STA. 915+36.11 TO 921+00.00

PROJECT NO.	SHEET NO.	TOTAL SHEETS
I-70-3(75)77	18	237

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(15)77	197	19	237



PLAT 1
SCALE 1"=100'

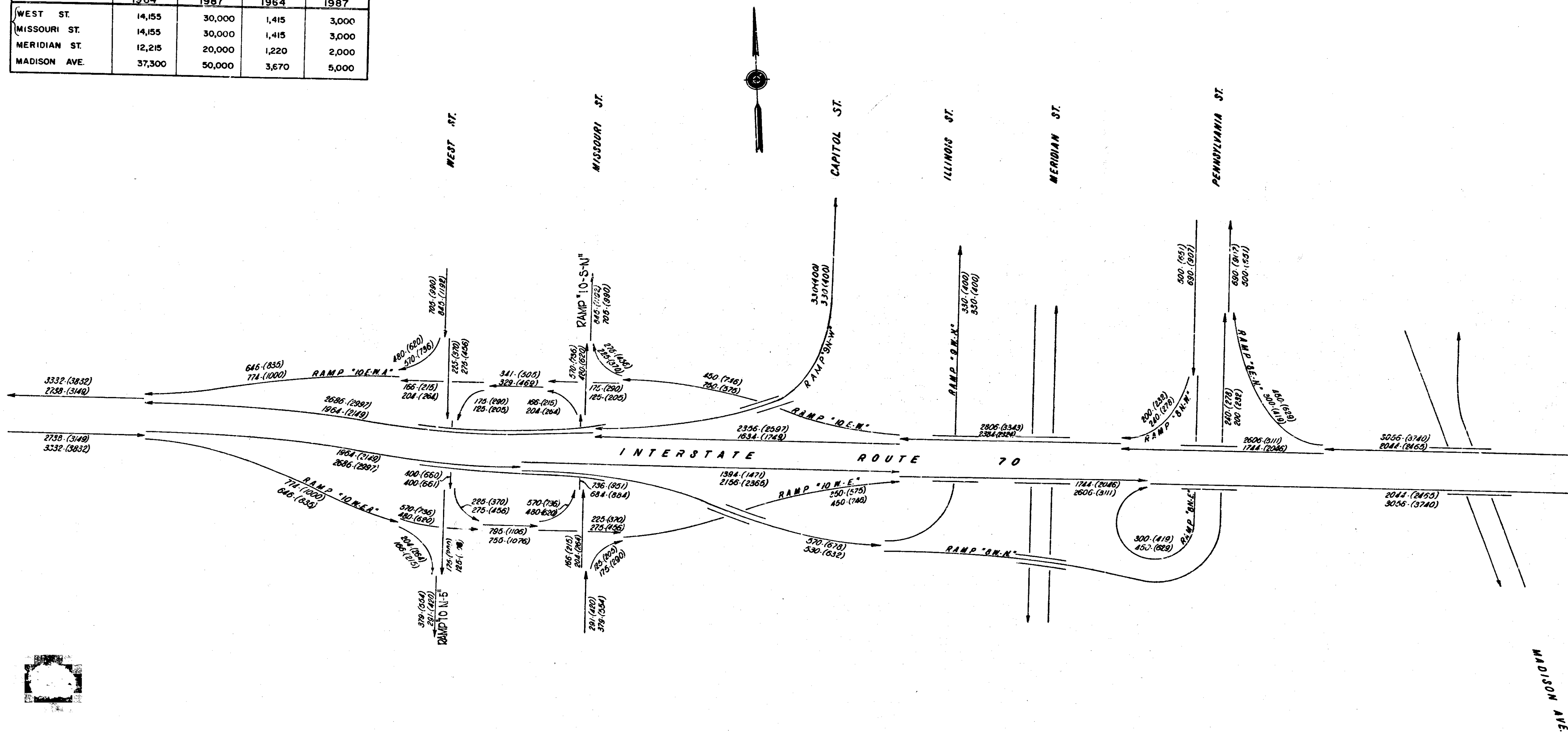


November 6, 1966

PROJECT NO.	SHEET NO.	TOTAL SHEETS
1-70-3(15)77	19	237

STREET	STREET TRAFFIC DATA			
	A.D.T.		H.V. (Peak)	
	1964	1987	1964	1987
WEST ST.	14,155	30,000	1,415	3,000
MISSOURI ST.	14,155	30,000	1,415	3,000
MERIDIAN ST.	12,215	20,000	1,220	2,000
MADISON AVE.	37,300	50,000	3,670	5,000

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(7B) 77	1970	20	237



LEGEND
 000 - 1975 Traffic
 (000) - 1987 Traffic
 Upper number - A. M. Peak
 Lower number - P. M. Peak

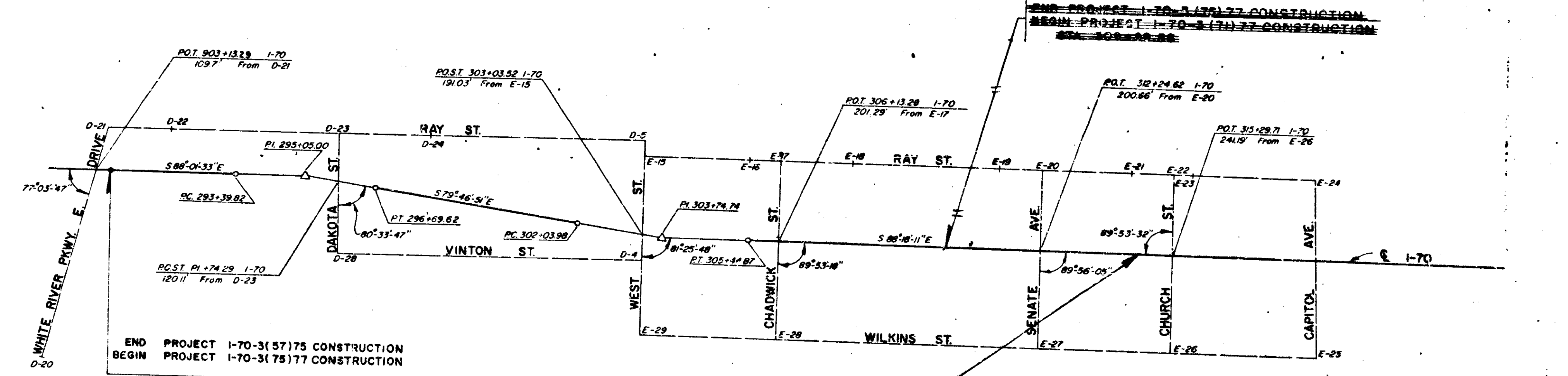
TRAFFIC DETAILS



November 6, 1961

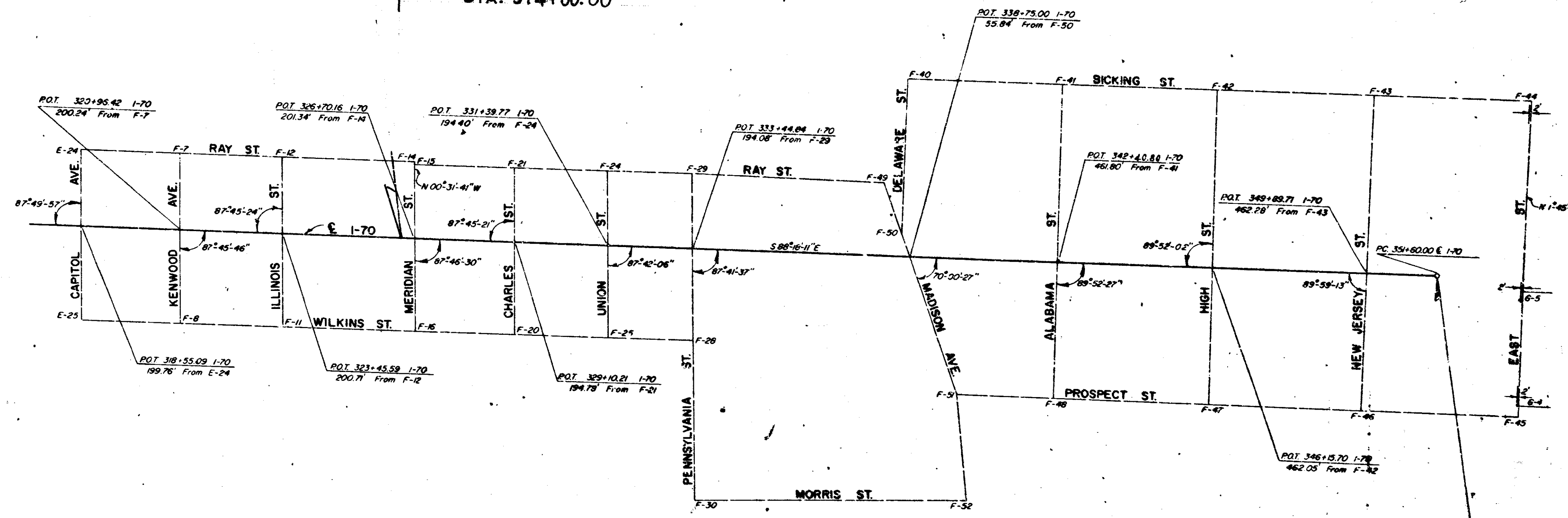
PROJECT NO.	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(7B) 77	20	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	21	237



END PROJECT I-70-3(57)75 CONSTRUCTION
 BEGIN PROJECT I-70-3(75)77 CONSTRUCTION
 STA. 903+44.01 I-70 BACK +
 STA. 290+45.97 I-70 AHEAD

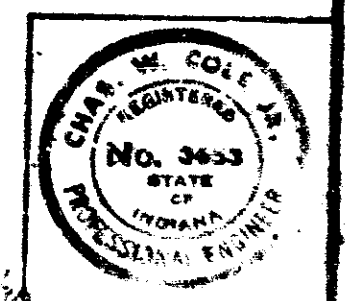
END PROJECT I-70-3(75)77 CONSTRUCTION
 BEGIN PROJECT I-70-3(71)77 CONSTRUCTION
 STA. 314+00.00



END PROJECT I-70-3
 LIMIT OF CONSTR. PROJECT I-85-3
 STA. 381+60.00

**HORIZONTAL ALIGNMENT
 DETAILS**

SCALE: 1" = 100'

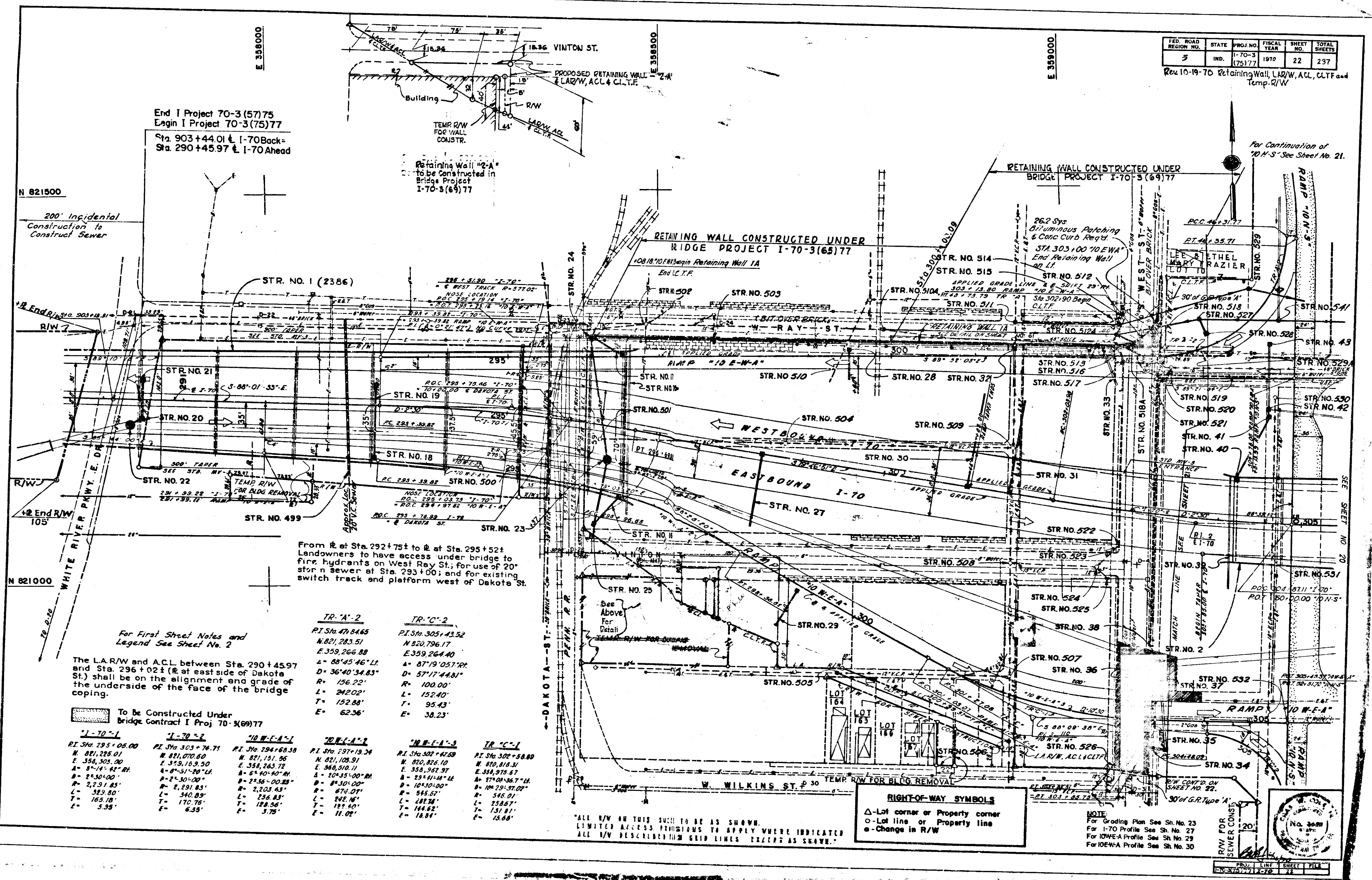


November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
I-70-3(75)77	7	21	237

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)77	1970	22	237

Ret 10-19-70 Retaining Wall, LAR/W, A.C.L., CLTF and Temp. R/W



End I Project 70-3(57)75
 Esqin I Project 70-3(75)77
 Sta. 903+44.01 to I-70 Back=
 Sta. 290+45.97 to I-70 Ahead

Retaining Wall #2-A
 to be Constructed in
 Bridge Project
 I-70-3(69)77

RETAINING WALL CONSTRUCTED UNDER
 BRIDGE PROJECT I-70-3(65)77

RETAINING WALL CONSTRUCTED UNDER
 BRIDGE PROJECT I-70-3(69)77

For Continuation of
 10-N-S See Sheet No. 21.

N 821500
 200' Incidental
 Construction to
 Construct Sewer

STR. NO. 1 (2386)

STR. NO. 500

STR. NO. 514

STR. NO. 515

STR. NO. 512

STR. NO. 511

STR. NO. 513

STR. NO. 516

STR. NO. 517

STR. NO. 518

STR. NO. 519

STR. NO. 520

STR. NO. 521

STR. NO. 522

STR. NO. 523

STR. NO. 524

STR. NO. 525

STR. NO. 526

STR. NO. 527

STR. NO. 528

STR. NO. 529

STR. NO. 530

STR. NO. 531

STR. NO. 532

From R. at Sta. 292+75 to R. at Sta. 295+52
 Landowners to have access under bridge to
 fire hydrants on West Ray St. for use of 20"
 storm sewer at Sta. 293+00; and for existing
 switch track and platform west of Dakota St.

For First Sheet Notes and
 Legend See Sheet No. 2

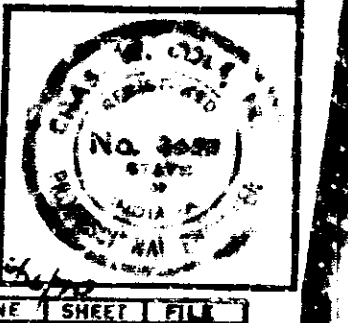
The L.A.R/W and A.C.L. between Sta. 290+45.97
 and Sta. 296+02.1 (R. at east side of Dakota
 St.) shall be on the alignment and grade of
 the underside of the face of the bridge
 coping.

To be Constructed Under
 Bridge Contract I Proj 70-3(69)77

I-70-1		I-70-2		10 N-E-A-1		10 E-A-2		10 W-E-1-3		TR 'C'-1	
PI. Sta. 295+08.00	PI. Sta. 303+74.71	PI. Sta. 294+68.58	PI. Sta. 297+19.34	PI. Sta. 302+61.60	PI. Sta. 302+58.80	PI. Sta. 295+08.00	PI. Sta. 297+19.34	PI. Sta. 302+61.60	PI. Sta. 302+58.80	PI. Sta. 295+08.00	PI. Sta. 297+19.34
N. 821,225.01	N. 821,070.60	N. 821,151.56	N. 820,826.10	N. 820,818.51	N. 820,818.51	N. 821,225.01	N. 821,070.60	N. 820,826.10	N. 820,818.51	N. 821,225.01	N. 821,070.60
E. 358,305.00	E. 359,159.50	E. 358,263.72	E. 358,962.97	E. 358,978.67	E. 358,978.67	E. 358,305.00	E. 359,159.50	E. 358,263.72	E. 358,962.97	E. 358,305.00	E. 359,159.50
A= 8°14' 44" RH	A= 8°51' 20" LH	A= 6°40' 40" RH	A= 11°04' 36.7" LH	A= 11°04' 36.7" LH	A= 11°04' 36.7" LH	A= 8°14' 44" RH	A= 8°51' 20" LH	A= 6°40' 40" RH	A= 11°04' 36.7" LH	A= 8°14' 44" RH	A= 8°51' 20" LH
B= 2°30' 00"	B= 2°30' 00"	B= 2°36' 00.83"	B= 10°45' 00" RH	B= 10°45' 00" RH	B= 10°45' 00" RH	B= 2°30' 00"	B= 2°30' 00"	B= 2°36' 00.83"	B= 10°45' 00" RH	B= 2°30' 00"	B= 2°30' 00"
L= 323.80'	L= 340.89'	L= 238.83'	L= 674.07'	L= 545.91'	L= 545.91'	L= 323.80'	L= 340.89'	L= 238.83'	L= 674.07'	L= 323.80'	L= 340.89'
T= 165.18'	T= 170.76'	T= 128.56'	T= 191.60'	T= 188.74'	T= 188.74'	T= 165.18'	T= 170.76'	T= 128.56'	T= 191.60'	T= 165.18'	T= 170.76'
E= 5.95'	E= 6.35'	E= 3.75'	E= 11.02'	E= 18.84'	E= 18.84'	E= 5.95'	E= 6.35'	E= 3.75'	E= 11.02'	E= 5.95'	E= 6.35'

RIGHT-OF-WAY SYMBOLS
 Δ - Lot corner or Property corner
 ○ - Lot line or Property line
 ● - Change in R/W

NOTE:
 For Grading Plan See Sh. No. 23
 For I-70 Profile See Sh. No. 27
 For IOWE-A Profile See Sh. No. 29
 For IOWE-A Profile See Sh. No. 30



PRIN. LINE	SHEET	TITLE
10-19-70	22	I-70

310+50 Monument Type "B"
Pegged on

END I PROJECT 70-3 (75) 77
STA. 314 + 00.00
BEGIN I PROJECT 70-3 (71) 77

CURVE DATA

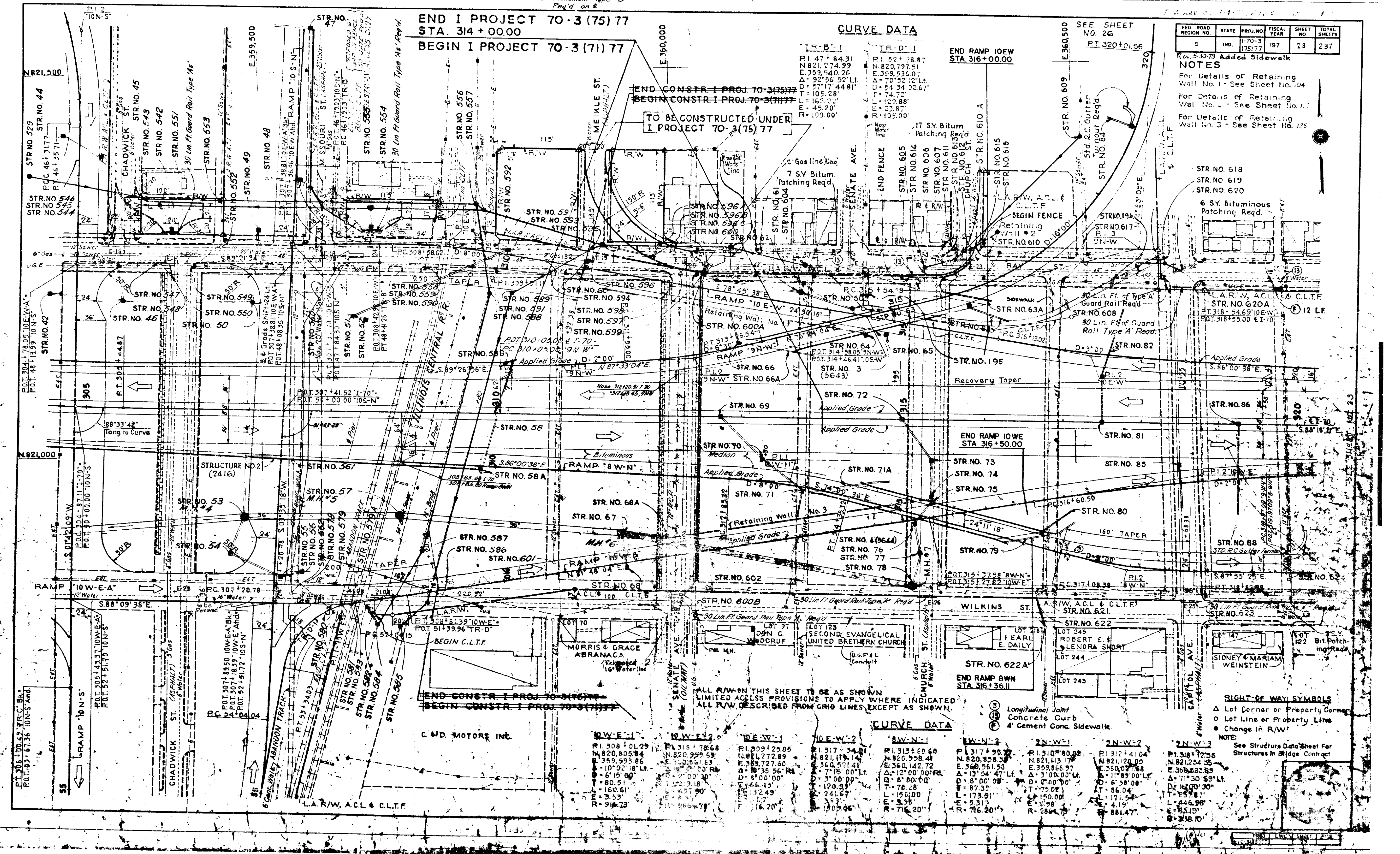
TR-B-1	TR-D-1
P1 47 + 84.31	P1 52 + 78.87
N 821.274.99	N 820.797.51
E 359.440.26	E 359.456.07
Δ = 92° 56' 52" Lt	Δ = 70° 52' 12" Lt
D = 57' 17" 44.81'	D = 54' 34" 02.67'
T = 105.28'	T = 74.72'
L = 165.72'	L = 129.88'
E = 45.20'	E = 23.87'
R = 100.00'	R = 105.00'

SEE SHEET NO. 26
PT. 320+01.66

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75) 77	197	23	237

NOTES

Rev. 5-30-78 Added Sidewalk
For Details of Retaining Wall No. 1 - See Sheet No. 104
For Details of Retaining Wall No. 2 - See Sheet No. 105
For Details of Retaining Wall No. 3 - See Sheet No. 125



ALL R/W ON THIS SHEET TO BE AS SHOWN
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED
ALL R/W DESCRIBED FROM GRID LINES EXCEPT AS SHOWN.

CURVE DATA

10° W-E-1	10° W-E-2	10° W-E-3	10° W-E-4	10° W-E-5	10° W-E-6	10° W-E-7	10° W-E-8	10° W-E-9	10° W-E-10
P1 308 + 01.29	P1 318 + 78.68	P1 309 + 25.05	P1 317 + 34.81	P1 313 + 50.40	P1 317 + 34.81	P1 317 + 34.81	P1 317 + 34.81	P1 317 + 34.81	P1 317 + 34.81
N 820.805.84	N 820.999.59	N 820.999.59	N 821.115.14	N 820.999.59	N 820.999.59	N 820.999.59	N 820.999.59	N 820.999.59	N 820.999.59
E 359.456.07	E 359.456.07	E 359.456.07	E 360.521.41	E 360.521.41	E 360.521.41	E 360.521.41	E 360.521.41	E 360.521.41	E 360.521.41
Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt	Δ = 101° 02' 18" Lt
D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'	D = 61' 00" 00'
T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'	T = 80.51'
L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'	L = 160.61'
E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'	E = 3.53'
R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'	R = 916.20'

RIGHT-OF-WAY SYMBOLS
△ Lot Corner or Property Corner
○ Lot Line or Property Line
● Change in R/W

NOTE: See Structure Data Sheet For Structures In Bridge Contract

See Sheet No. 27

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (A9) 77	197	24	237

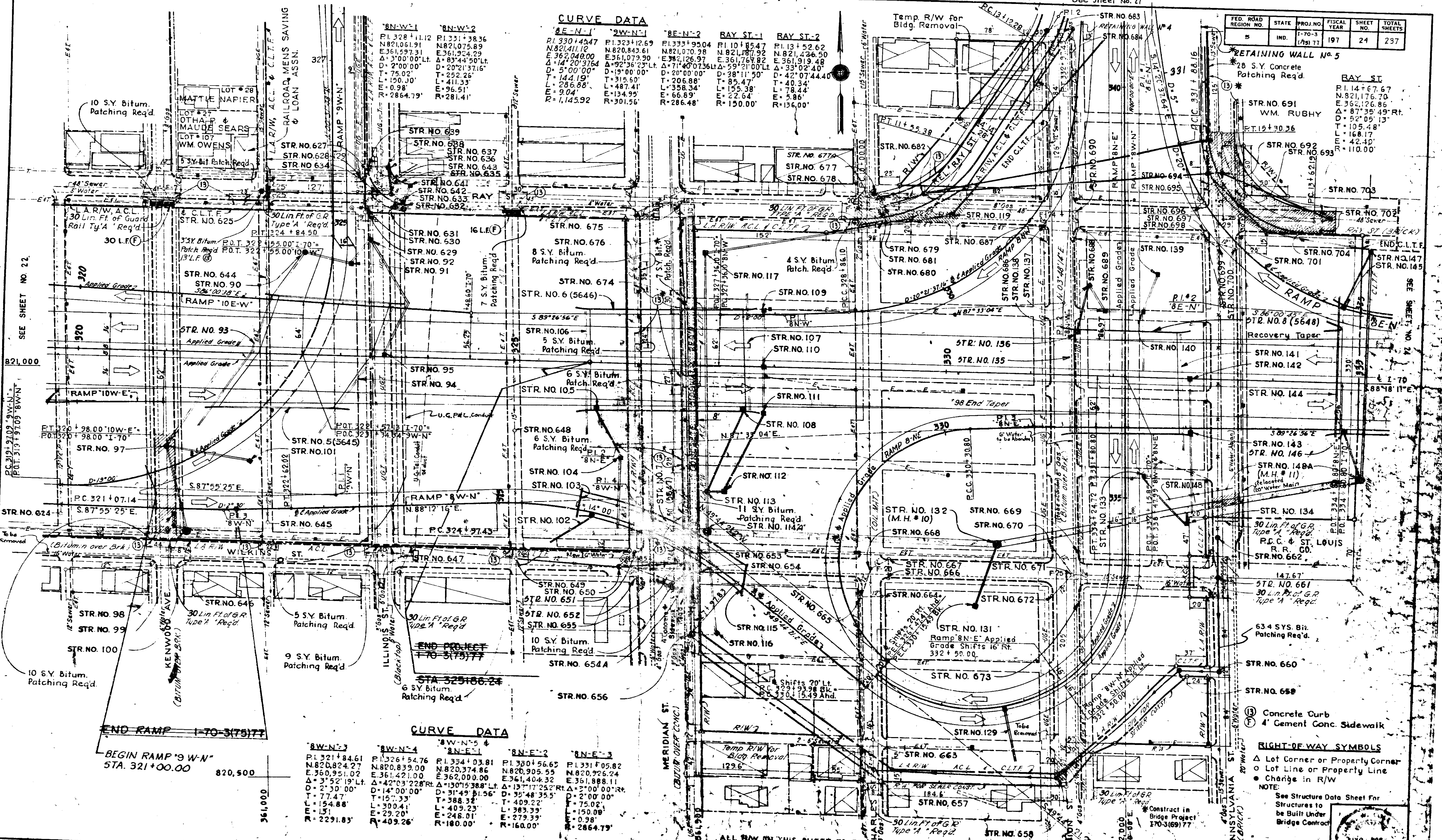
RETAINING WALL No. 5
 20 S.Y. Concrete Patching Req'd.
BAY ST.
 P.I. 14+67.67
 N. 821,176.70
 E. 362,126.86
 Δ = 87°35'49" Rt.
 D = 52'09'13"
 T = 105.48'
 L = 168.17'
 R = 42.40'
 R = 110.00'

CURVE DATA

8W-N-1	8W-N-2	8E-N-1	8W-N-1	8E-N-2	RAY ST-1	RAY ST-2
P.I. 328+11.12 N. 821,061.91 E. 361,597.31 Δ = 3°00'00" Lt. D = 2°00'00" T = 75.00' L = 150.00' R = 286.79'	P.I. 331+38.36 N. 821,075.89 E. 361,924.29 Δ = 8°44'50" Lt. D = 20°21'37.16" T = 252.25' L = 411.33' R = 281.41'	P.I. 330+44.47 N. 821,411.12 E. 362,048.00 Δ = 14°20'37.64" D = 5°00'00" T = 144.19' L = 286.88' R = 145.92'	P.I. 323+12.69 N. 820,843.61 E. 361,079.90 Δ = 92°36'23" Lt. D = 19°00'00" T = 315.60' L = 487.41' R = 134.99'	P.I. 333+95.04 N. 821,070.38 E. 361,269.97 Δ = 71°40'07.36" Lt. D = 20°00'00" T = 206.88' L = 358.34' R = 286.48'	P.I. 101+54.7 N. 821,246.50 E. 361,919.48 Δ = 33°02'40" D = 59°21'00" Lt. T = 95.47' L = 155.38' R = 150.00'	P.I. 13+52.62 N. 821,246.50 E. 361,919.48 Δ = 33°02'40" D = 59°21'00" Lt. T = 95.47' L = 155.38' R = 150.00'

CURVE DATA

8W-N-3	8W-N-4	8W-N-5	8E-N-2	8E-N-3
P.I. 321+84.61 N. 820,824.27 E. 360,951.02 Δ = 3°52'19" Lt. D = 2°30'00" T = 77.47' L = 154.88' R = 131'	P.I. 326+54.76 N. 820,839.00 E. 361,421.00 Δ = 42°03'22" Rt. D = 13°09'38" Lt. T = 300.41' L = 29.20' R = 409.26'	P.I. 334+03.81 N. 820,905.55 E. 362,009.00 Δ = 130°19'38" Lt. D = 31°49'51.56" T = 388.32' L = 409.23' R = 248.01'	P.I. 330+56.65 N. 820,905.55 E. 361,404.32 Δ = 19°17'22" Rt. D = 3°00'00" T = 75.00' L = 150.00' R = 160.00'	P.I. 331+05.82 N. 820,926.24 E. 361,888.11 Δ = 3°00'00" D = 2°00'00" T = 75.00' L = 150.00' R = 286.79'



RIGHT-OF-WAY SYMBOLS
 Δ Lot Corner or Property Corner
 ○ Lot Line or Property Line
 ● Change in R/W
 NOTE:
 See Structure Data Sheet For Structures to be Built Under Bridge Contract
 Construct in Bridge Project I-70-3 (69) 77
 Construct in Bridge Project I-70-3 (69) 77

ALL R/W ON THIS SHEET TO BE SHOWN AS SHOWN
 (LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED)
 ALL R/W DESCRIBED FROM GRID LINES EXCEPT AS SHOWN.

R/W Revised on Lt. Between Sta. 39+00 and Sta. 41+00 as per R/W Department (Added to Original Plans B-10-84.)

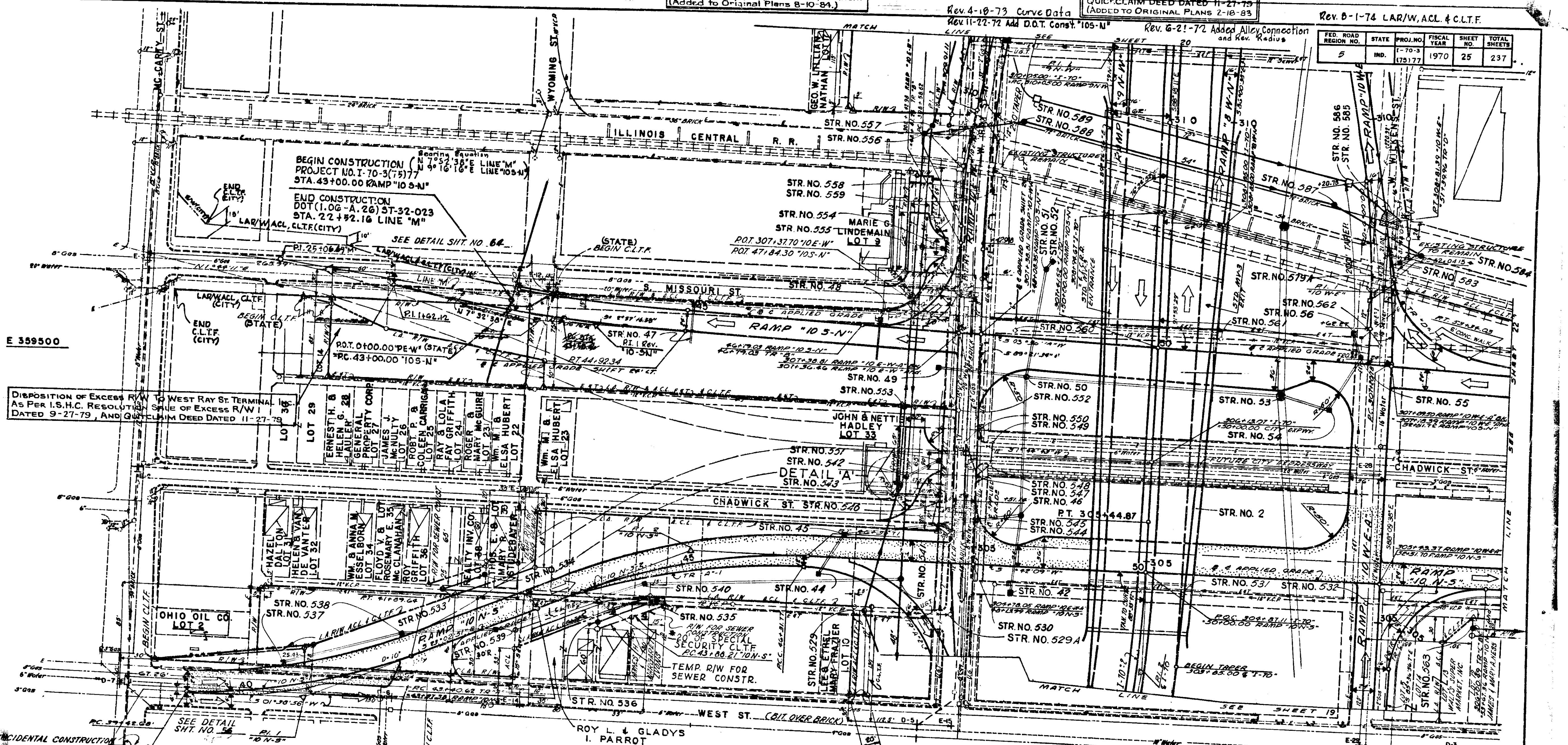
Rev. 4-10-73 Curve Data
Rev. 11-27-72 Add D.O.T. Const. '105-N'

R/W REV. SALE OF EXCESS R/W QUICCLAIM DEED DATED 11-27-79 (ADDED TO ORIGINAL PLANS 2-18-83)

Rev. 6-21-72 Added Alley Connection and Rev. Radius

Rev. B-1-74 LAR/W, ACL & CLTF

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	175177	1970	25	237

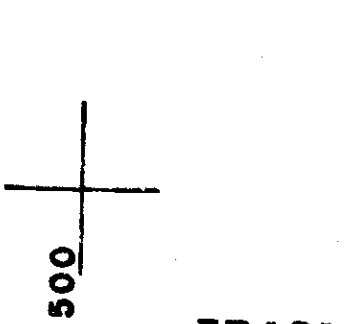


E 359500

E 359000

CURVE DATA

TR "A"-1	TR "A"-2	TR "B"-1	TR "C"-2
RI. STA. 40+60.11 N. 821.971.58 E. 357.110.98 Δ = 28° 41' 47" LT. D = 10° 00' 00" R = 572.96' L = 246.96' T = 125.43' E = 13.57'	RI. STA. 45+13.92 N. 821.557.77 E. 359.251.04 Δ = 28° 45' 00" RT. D = 10° 00' 00" R = 572.96' L = 247.50' T = 125.71' E = 13.63'	RI. STA. 41+00.31 N. 821.276.99 E. 359.540.96 Δ = 28° 56' 52" LT. D = 57° 17' 44.81" R = 100.00' L = 161.22' T = 95.43' E = 45.20'	RI. STA. 305+43.52 N. 820.196.17 E. 359.264.40 Δ = 81° 19' 05.1" RT. D = 51° 17' 44.81" R = 100.00' L = 152.40' T = 95.43' E = 33.23'



NOTE: See Structure Data Sheets for Structures to be Constructed Under Bridge Projects.

RIGHT-OF-WAY SYMBOLS:
 Δ - Lot corner or Property corner
 ○ - Lot line or Property line
 e - Change in R/W

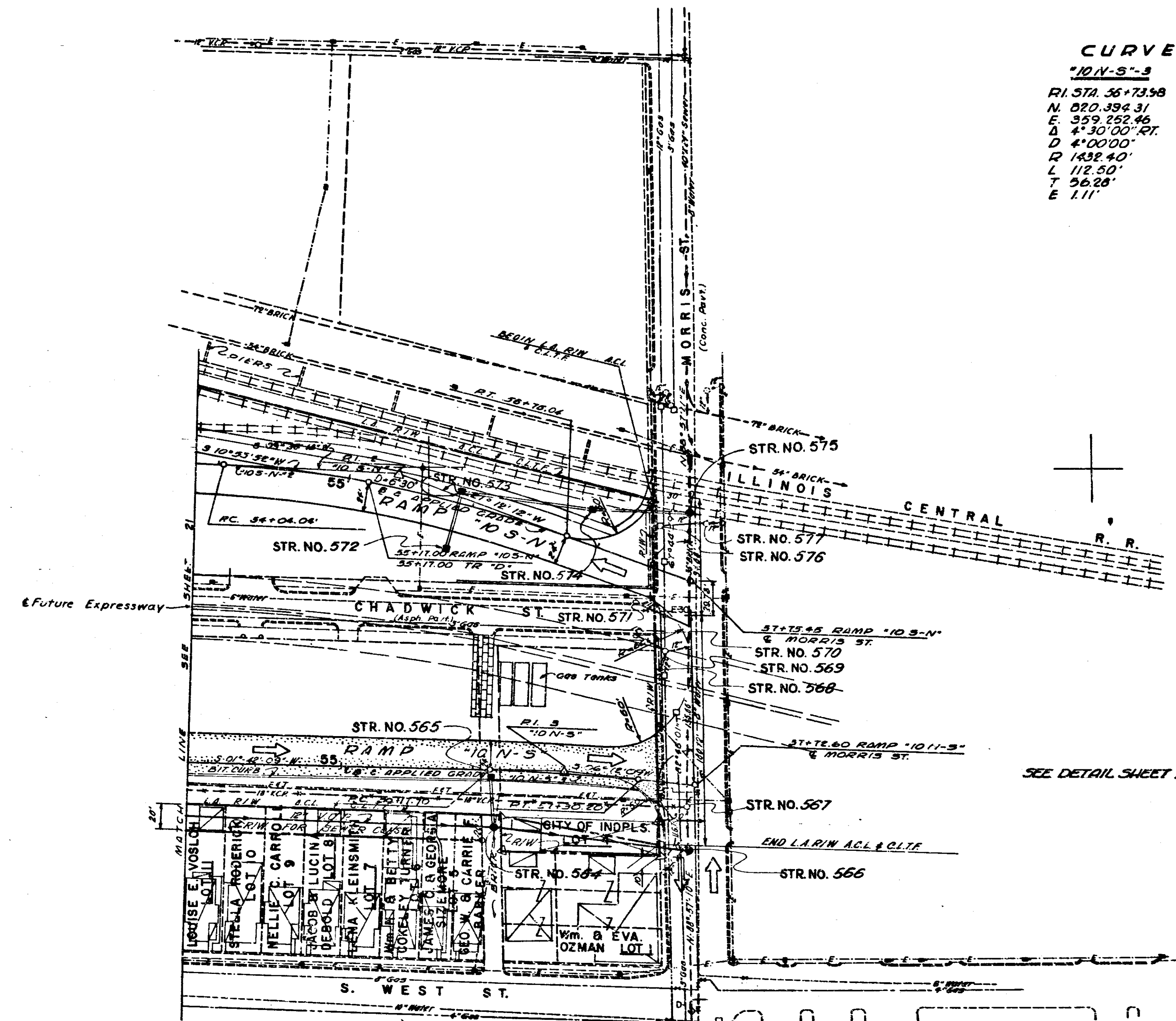
NOTE: See Structure Data Sheets for Structures to be Constructed Under Bridge Projects.

RIGHT-OF-WAY SYMBOLS:
 Δ - Lot corner or Property corner
 ○ - Lot line or Property line
 e - Change in R/W

FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	70-3 (75177)	1970	26	237

CURVE DATA

"10 N-S"-3	"10 S-N"-2
PI. STA. 56+73.98	PI. STA. 55+40.62
N. 020.394.31	N. 020.520.17
E. 359.252.46	E. 355.498.92
Δ 4°30'00" RT.	Δ 17°36'54" RT.
D 4°00'00"	D 6°30'00"
R 1832.40'	R 881.87'
L 112.50'	L 271.00'
T 56.28'	T 136.50'
E 1.11'	E 10.52'



E 359500

E 359000

N 821000

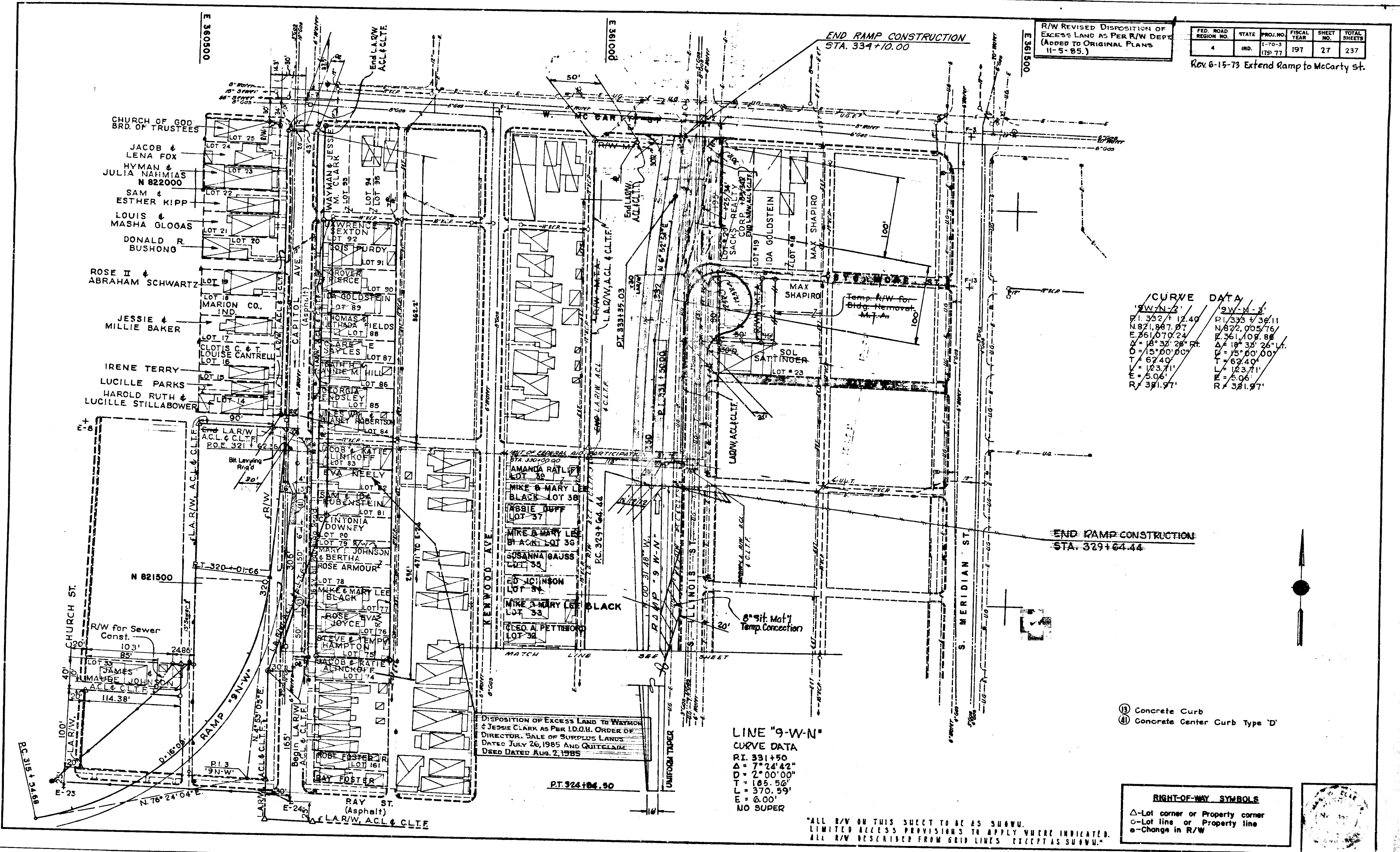
N 820500

N 820000

To Be Constructed Under Bridge Contract I Proj. 70-3(69)77

RIGHT-OF-WAY SYMBOLS
 Δ - Lot corner or Property corner
 ○ - Lot line or Property line
 ● - Change in R/W

"ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W DESCRIBED FROM GRID LINES EXCEPT AS SHOWN."



R/W REVISED DISPOSITION OF EXCESS LAND AS PER R/W DEPT. (ADDED TO ORIGINAL PLANS 11-5-95.)

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-3 (79-77)	197	27	237

REV. 6-15-73 Extend Ramp to McCarty St.

END RAMP CONSTRUCTION STA. 334+10.00

END RAMP CONSTRUCTION STA. 329+64.44

CURVE DATA

SW-N-2	SW-M-5
PI 332+12.40	PI 335+36.11
N 82° 19' 07" E	N 82° 00' 57" E
E 261° 07' 24" S	E 361° 08' 88" S
Δ = 18° 33' 28" S	Δ = 18° 38' 26" S
D = 15° 00' 00"	D = 15° 00' 00"
T = 67.40'	T = 67.40'
L = 123.71'	L = 123.71'
E = 5.06'	E = 5.06'
R = 381.97'	R = 381.97'

LINE "9-W-N" CURVE DATA

PI 331+50
Δ = 7° 24' 42"
D = 2° 00' 00"
T = 185.56'
L = 370.59'
E = 6.00'
NO SUPER

- (B) Concrete Curb
- (C) Concrete Center Curb Type 'D'

RIGHT-OF-WAY SYMBOLS
 Δ - Lot corner or Property corner
 ○ - Lot line or Property line
 e - Change in R/W

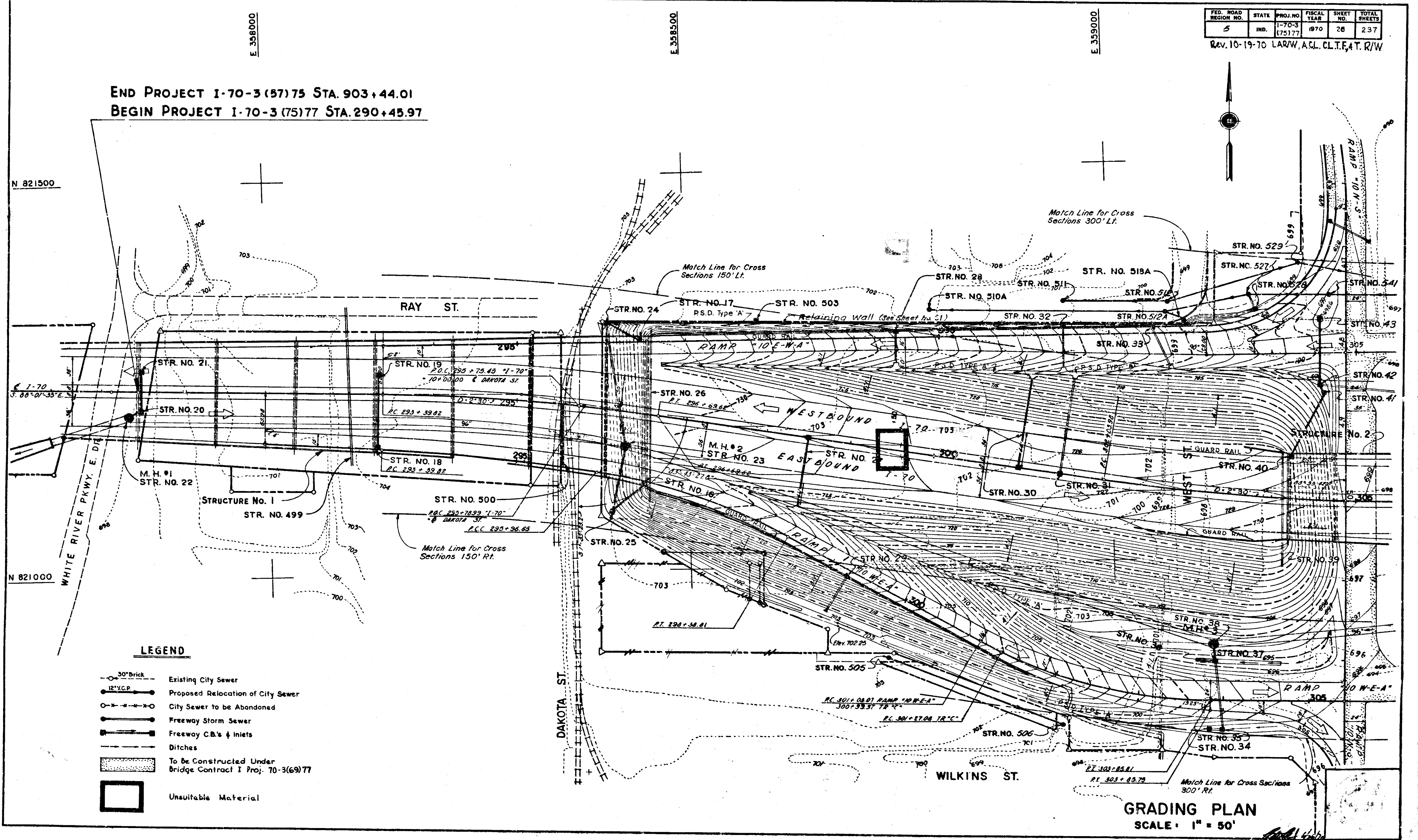
"ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W DESCRIBED FROM GRID LINES EXCEPT AS SHOWN."

LINCOLN GRAPHIC CORP. 11111 17th St. N. Minn.

FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)77	1970	26	237

Rev. 10-19-70 LAR/W, A.C.L. CL.T.F.A.T. R/W

END PROJECT I-70-3 (57)75 STA. 903+44.01
BEGIN PROJECT I-70-3 (75)77 STA. 290+45.97



LEGEND

- Existing City Sewer
- Proposed Relocation of City Sewer
- City Sewer to be Abandoned
- Freeway Storm Sewer
- Freeway C.B.'s & Inlets
- Ditches
- To be Constructed Under Bridge Contract I Proj. 70-3(69)77
- Unsuitable Material

GRADING PLAN
SCALE: 1" = 50'

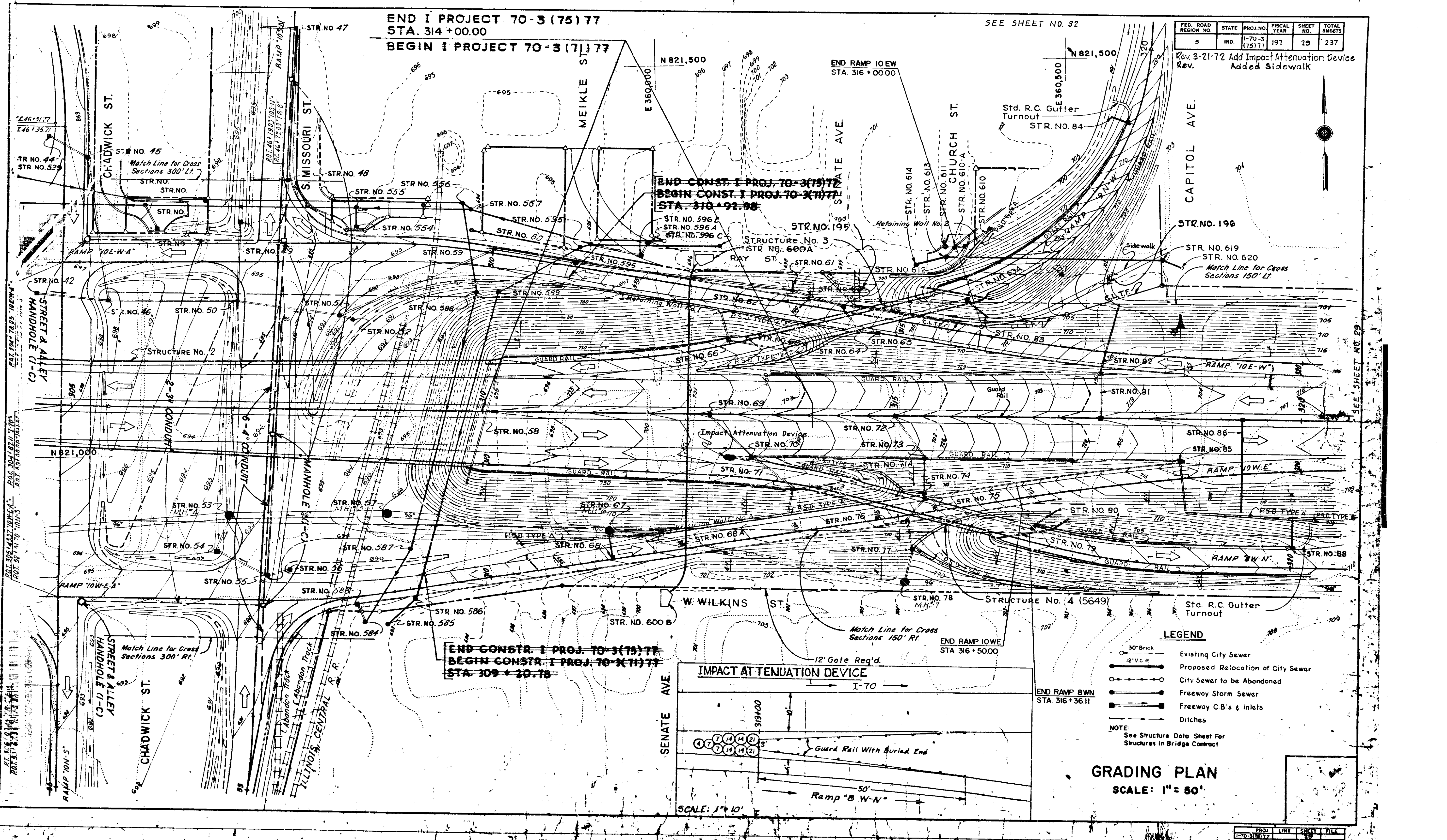
PROJ.	LINE	SHEET	FILE
I-70-3(69)77	26	26	26

END I PROJECT 70-3 (75) 77
 STA. 314 + 00.00
 BEGIN I PROJECT 70-3 (71) 77

SEE SHEET NO. 32

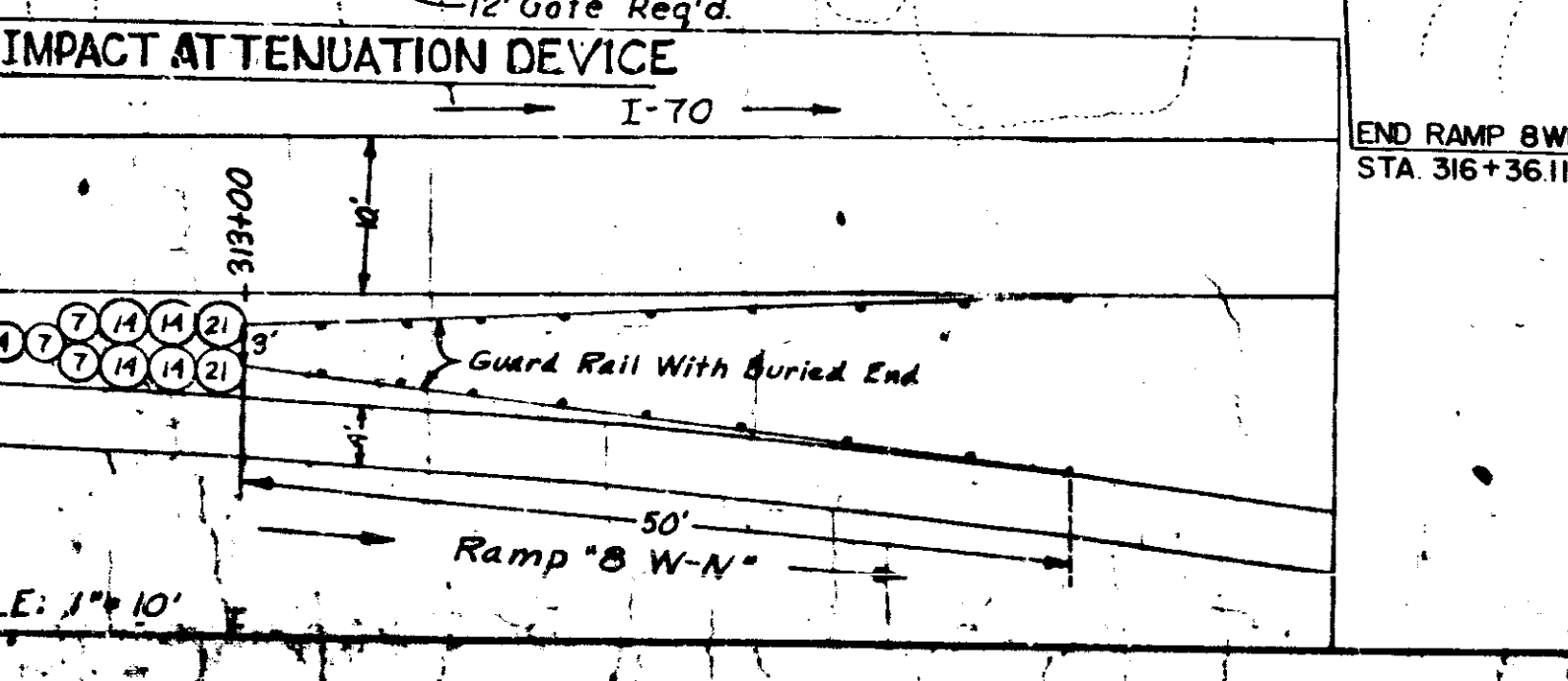
FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75) 77	197	29	237

Rev. 3-21-72 Add Impact Attenuation Device
 Added Sidewalk



END CONST. I PROJ. 70-3 (75) 77
 BEGIN CONST. I PROJ. 70-3 (71) 77
 STA. 310 + 92.98

END CONST. I PROJ. 70-3 (75) 77
 BEGIN CONST. I PROJ. 70-3 (71) 77
 STA. 309 + 20.78



LEGEND

- Existing City Sewer
- Proposed Relocation of City Sewer
- City Sewer to be Abandoned
- Freeway Storm Sewer
- Freeway CB's & Inlets
- Ditches

NOTE:
 See Structure Data Sheet For Structures in Bridge Contract

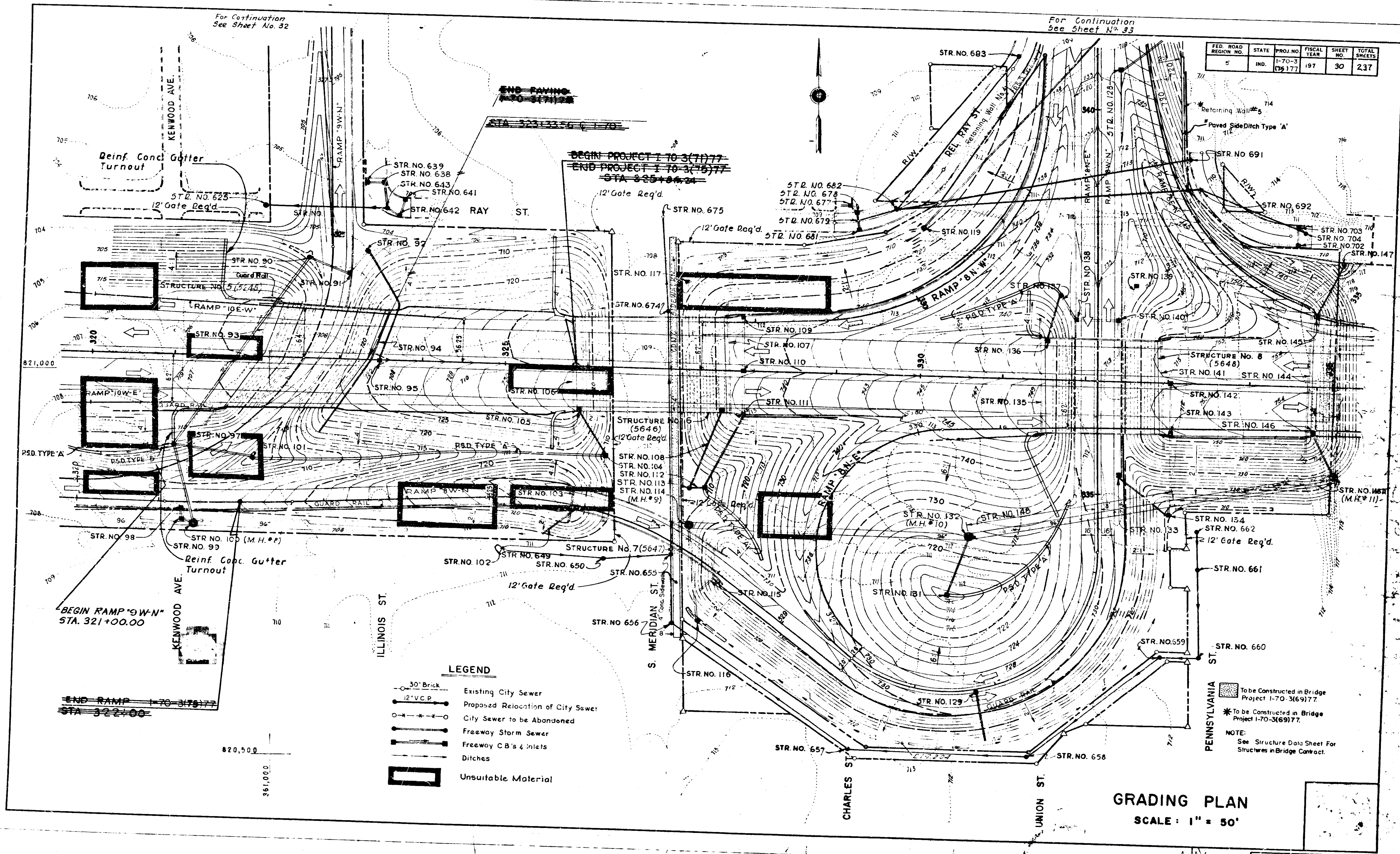
GRADING PLAN
 SCALE: 1" = 60'

PROJ.	LINE	SHEET	TOTAL
70-3 (75) 77	1	29	237

For Continuation
See Sheet No. 32

For Continuation
See Sheet No. 33

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3	197	30	237
		(75) 177			



- LEGEND**
- 30" Brick Existing City Sewer
 - 12" V.C.P. Proposed Relocation of City Sewer
 - City Sewer to be Abandoned
 - Freeway Storm Sewer
 - Freeway C.B.'s & Inlets
 - Ditches
 - Unsuitable Material

■ To be Constructed in Bridge Project 1-70-3(69)77.
 * To be Constructed in Bridge Project 1-70-3(69)77.
 NOTE: See Structure Data Sheet For Structures in Bridge Contract.

GRADING PLAN
SCALE: 1" = 50'

PROJ.	LINE	SHEET	FILE
1-70-3	77	30	77

P.I. 25+06.69 "M"
 Δ = 7°31'32"
 D = 6°00'
 R = 954.93'
 T = 92.80'
 L = 125.43'
 E = 2.06'

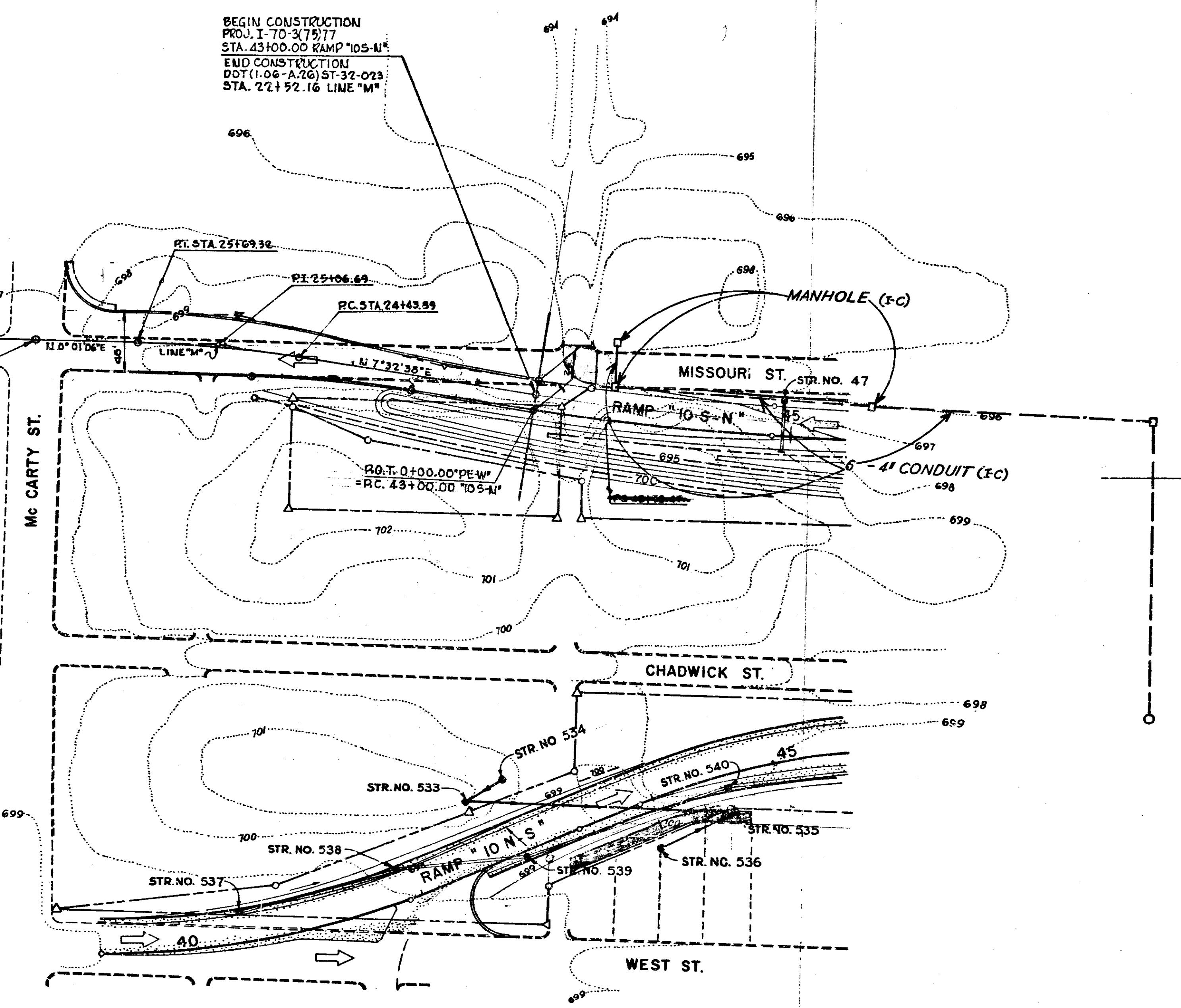
BEGIN CONSTRUCTION
 PROJ. I-70-3(75)77
 STA. 43+00.00 RAMP "10S-N"
 END CONSTRUCTION
 DOT (1.06-A.26) ST-32-023
 STA. 22+92.16 LINE "M"

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	11-70-3 (75)77	1970	31	237

Rev. 11-22-72 Add D.O.T. Const "10S-N"
 Rev. 4-19-73 Curve Data
 Rev. 6-1-74 LAR/W, A.C.L. & C.L.T.F.

E 359500

E 359500



E 359000

E 359000

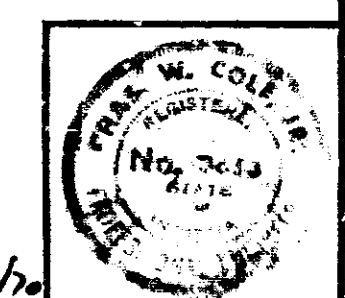
N 822000

N 821500

LEGEND

- 30" Brick Existing City Sewer
- 12" V.C.P. Proposed Relocation of City Sewer
- City Sewer to be Abandoned
- Freeway Storm Sewer
- Freeway C.B.'s & Inlets
- — — Ditches
- ▨ To be Constructed Under Bridge Contract I Proj. 70-3(69)77

GRADING PLAN
 SCALE: 1" = 50'



PROJECT LINE SHEET FILE
 (11-70-3) 75-77 31
 10/15/75

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75177)	1970	32	237

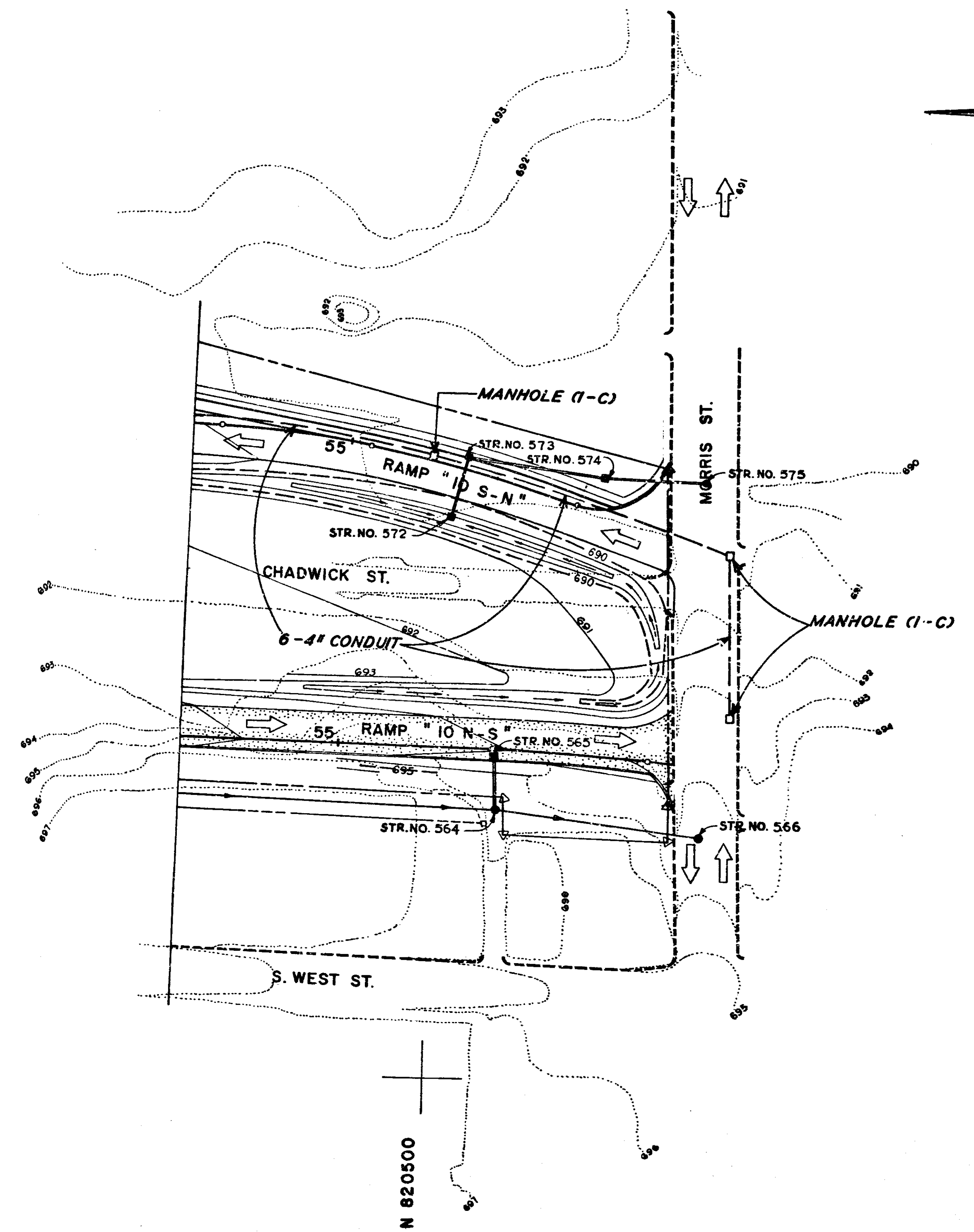
E 359500

E 359500

E 359000
N 821000

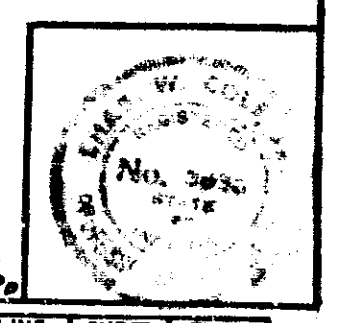
N 820500

E 359000
N 820000



- LEGEND**
- 30" Brick Existing City Sewer
 - 12" V.C.P. Proposed Relocation of City Sewer
 - X—X—○ City Sewer to be Abandoned
 - Freeway Storm Sewer
 - Freeway C.B.'s & Inlets
 - — — Ditches
 - ▨ To Be Constructed Under Bridge Contract I Proj. 70-9(69)77

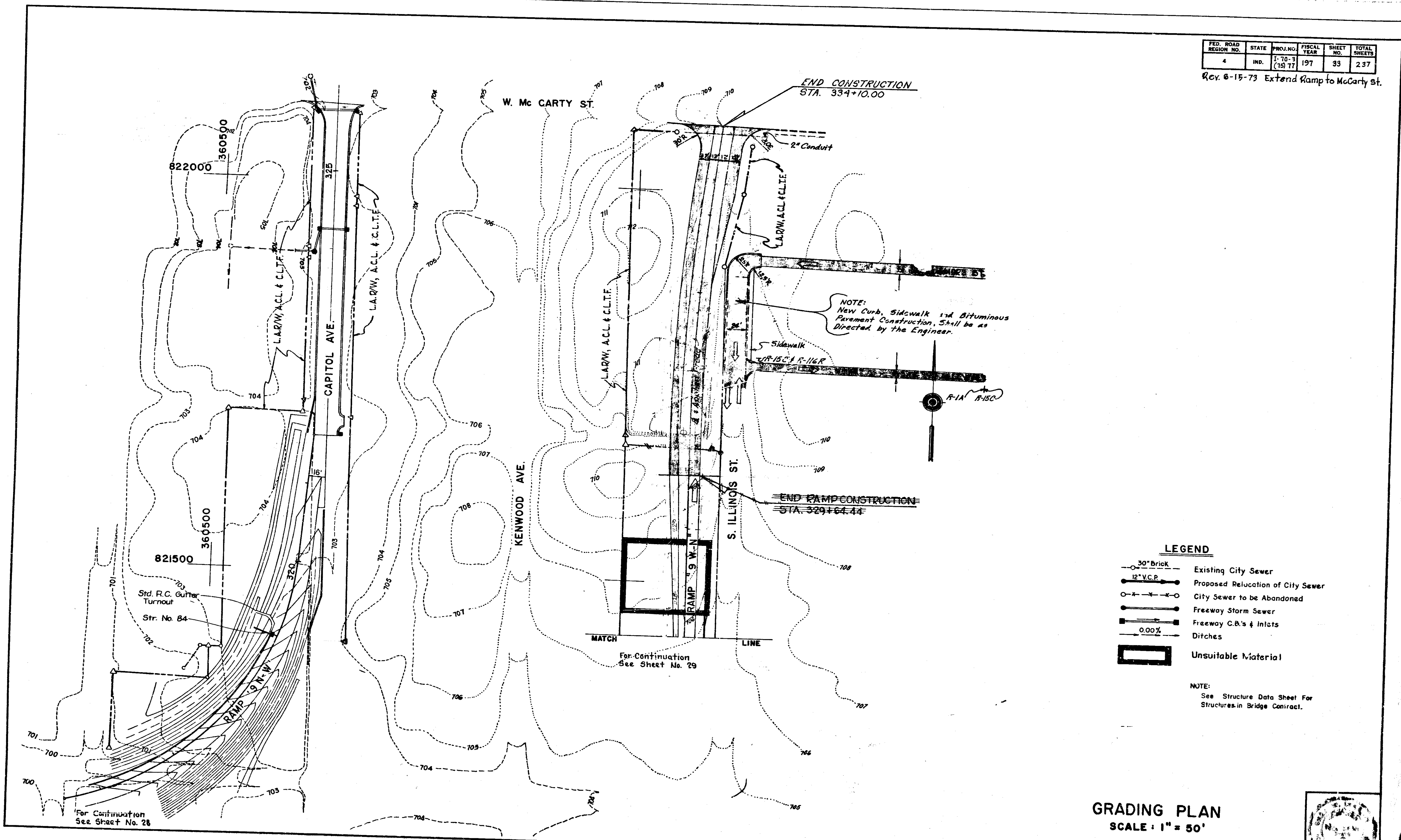
GRADING PLAN
SCALE: 1" = 50'



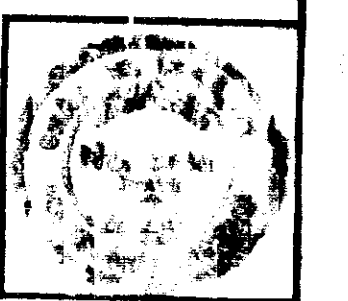
NO.	LINE	SHEET	FILE
1-70-3(75177)	223	32	31

FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-3 (15) 77	197	33	237

Rev. 6-15-73 Extend Ramp to McCarty St.

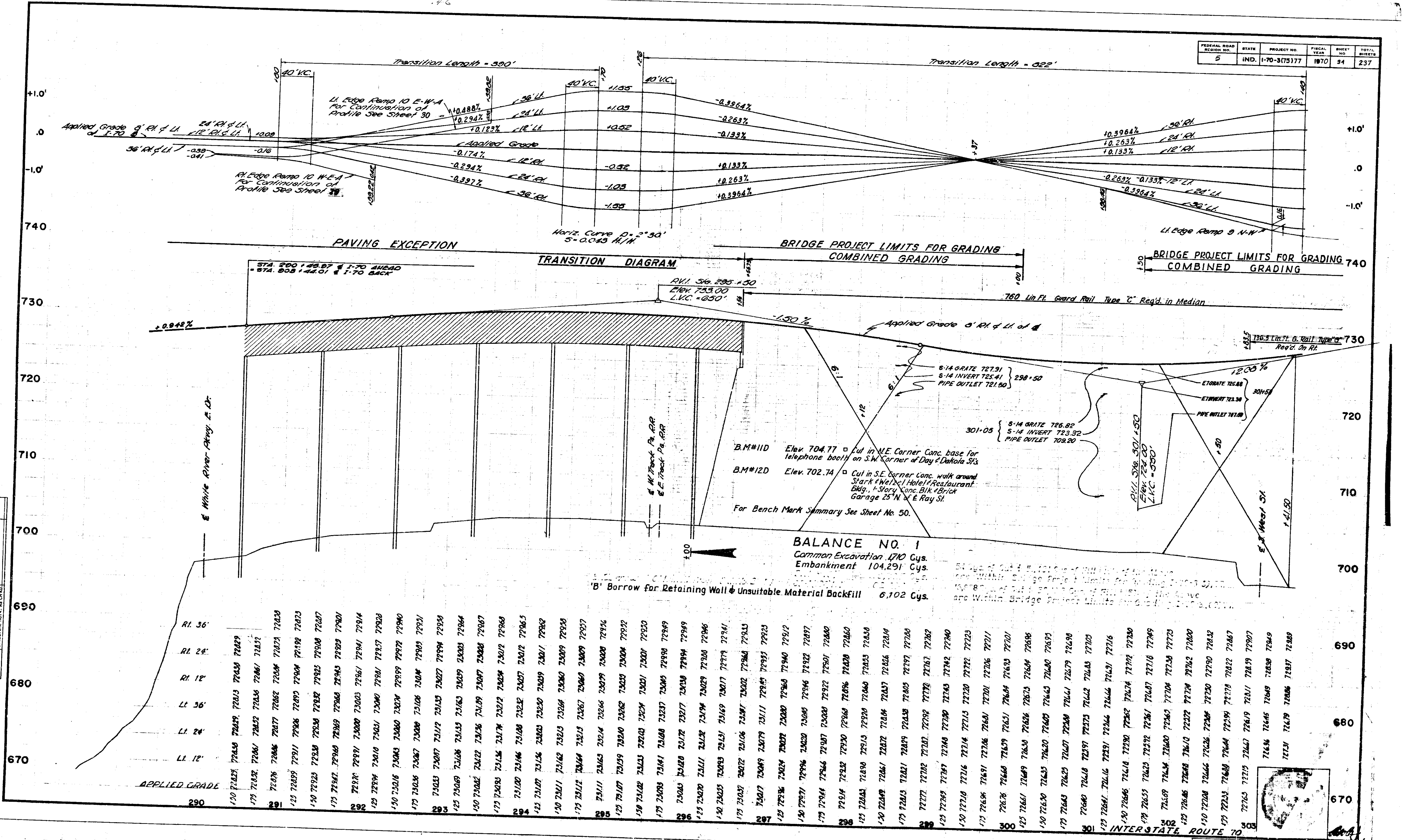


GRADING PLAN
SCALE: 1" = 50'



PROJ. NO.	LINE	SHEET	FILE
I-70-3	15	33	11

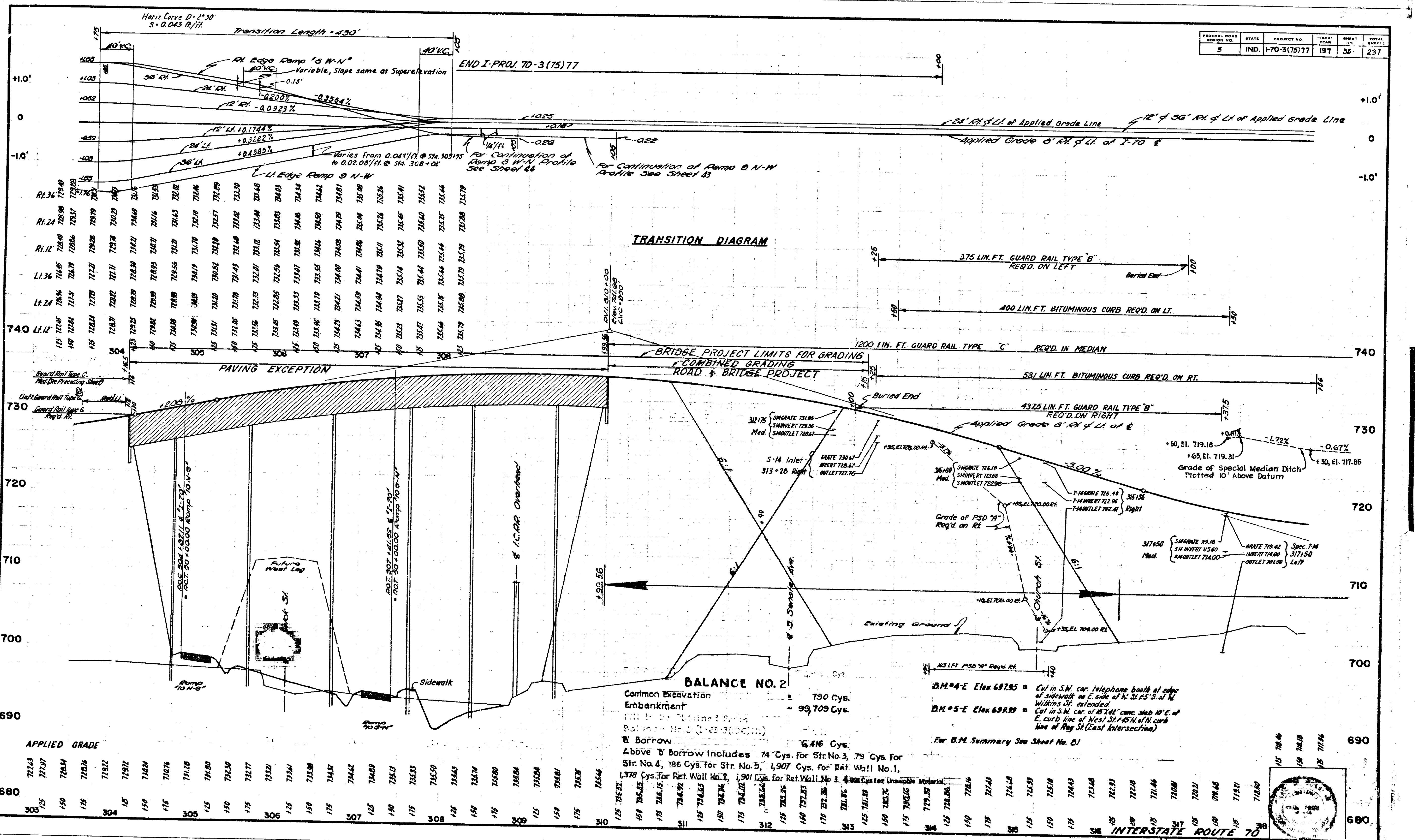
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3175177	1970	34	237



DATE	BY	PROFILE
		REVISIONS
		NOTED
		BY
		NO.
		STRUCTURE NOTATIONS

PROJECT NO.	LINE	SHEET	TOTAL SHEETS
1-70-3175177	E-70	34	237

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	197	35	237



DATE	BY	REVISION

BALANCE NO. 2

Common Excavation 790 Cys.
 Embankment 99,705 Cys.

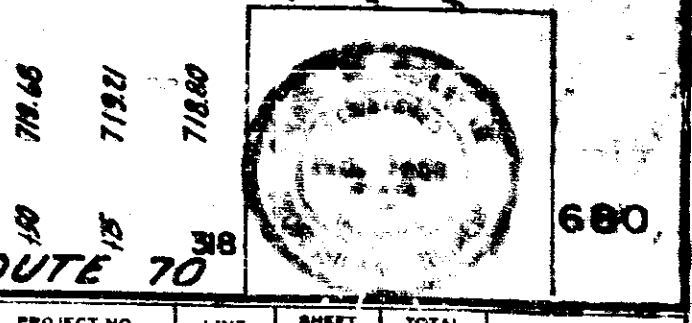
Below 0' Borrow 6,416 Cys.

Above 0' Borrow Includes 74 Cys. for Str. No. 3, 79 Cys. for Str. No. 4, 186 Cys. for Str. No. 5, 1,907 Cys. for Ret. Wall No. 1, 1,378 Cys. for Ret. Wall No. 2, 1,901 Cys. for Ret. Wall No. 3.

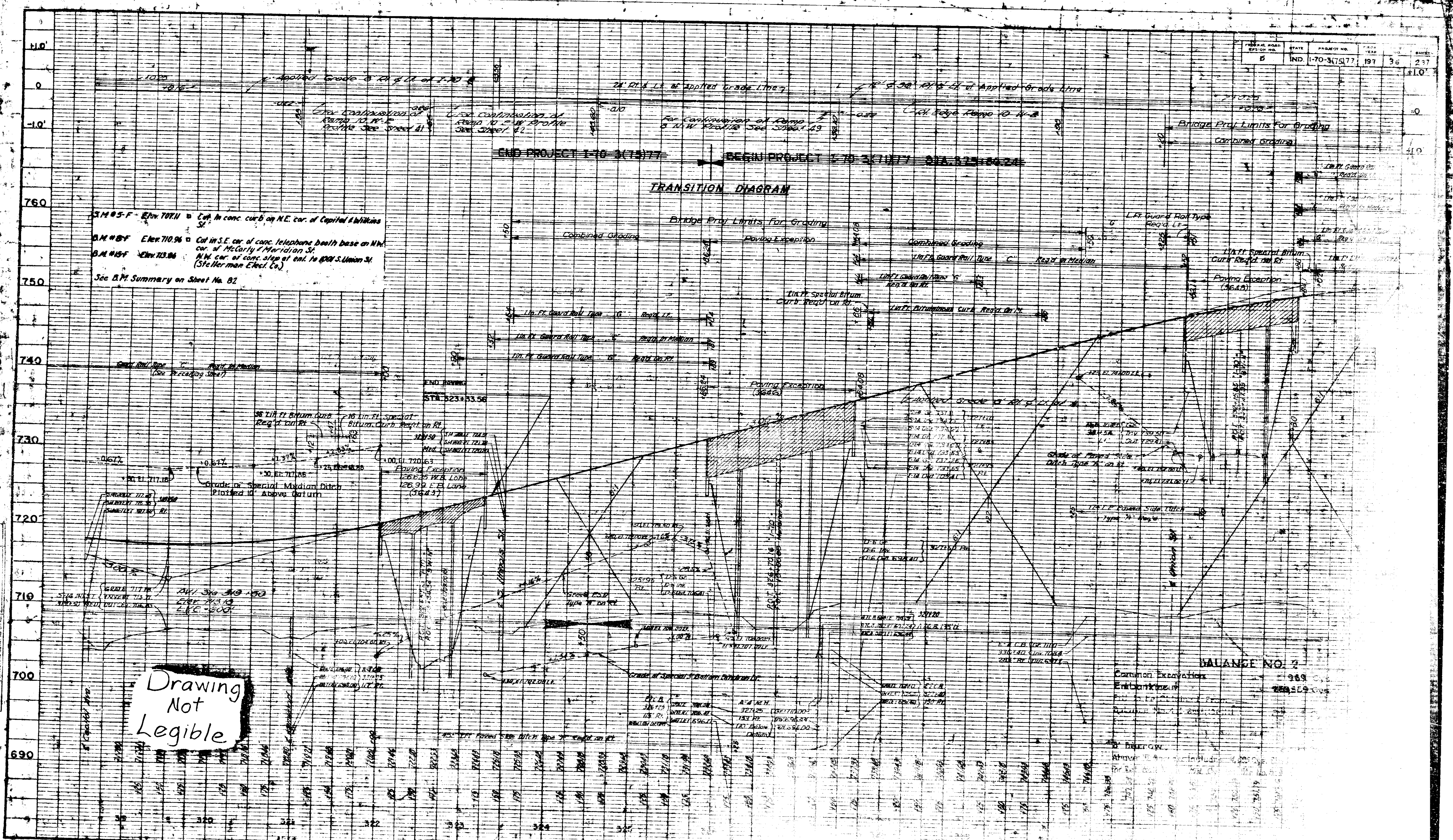
B.M. #4-E Elev. 697.95 = Cut in S.W. cor. telephone booth at edge of sidewalk on E. side of R. St. 15' S. of N. Williams St. extended.

B.M. #5-E Elev. 699.99 = Cut in S.W. cor. of 187'42" conc. slab 10' E. of E. curb line of West St. 145' N. of N. curb line of Reg. St. (East Intersection).

For B.M. Summary See Sheet No. 31



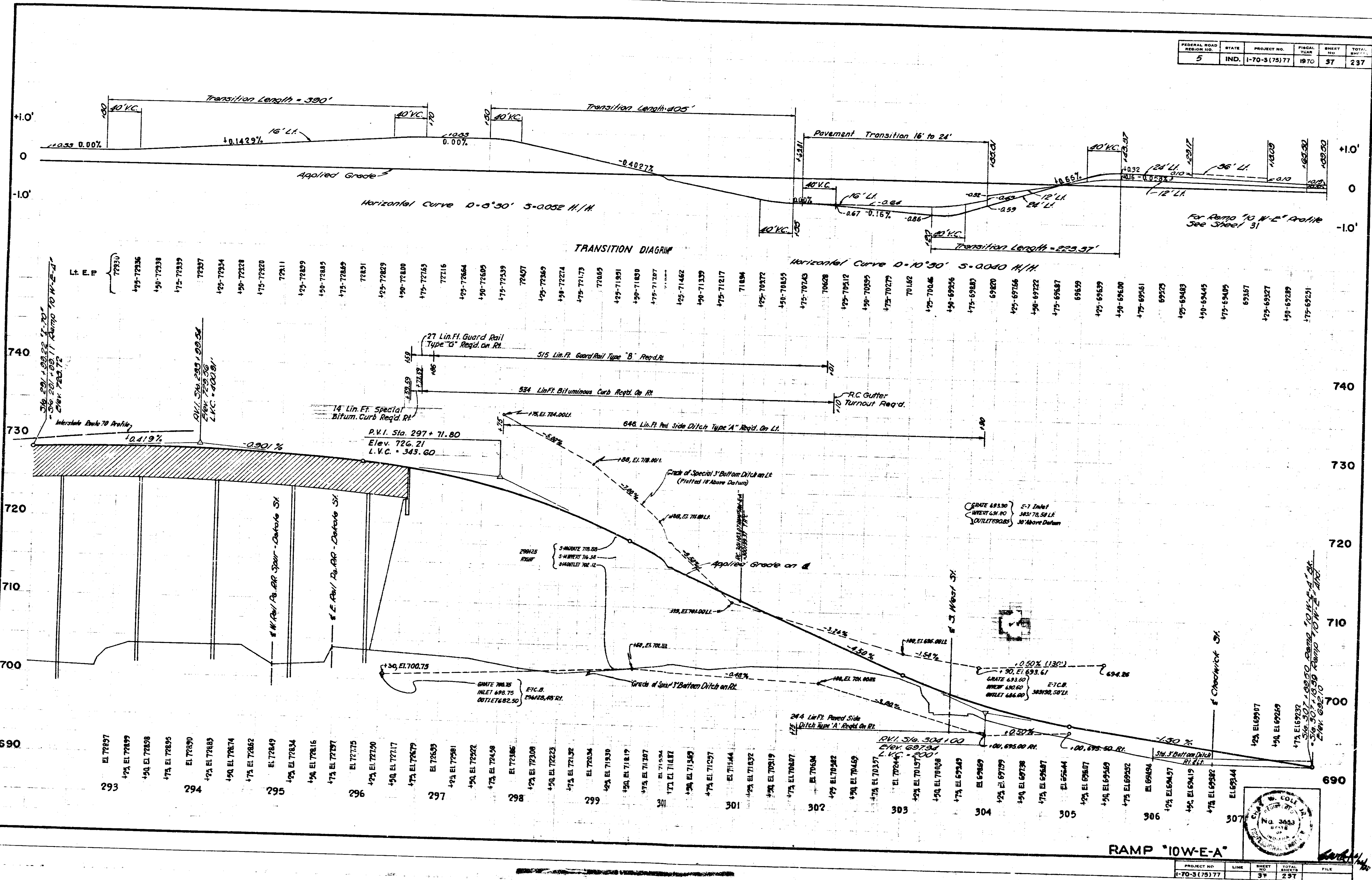
PROJECT NO.	LINE	SHEET	TOTAL SHEETS
I-70-3(75)77		35	237



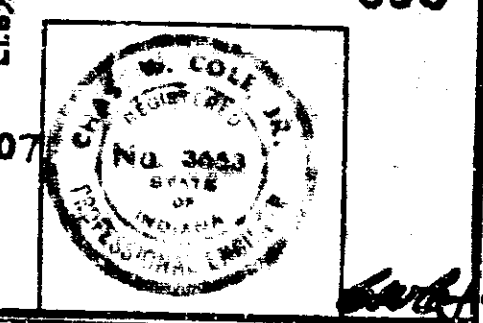
Drawing
Not
Legible

BALANCE NO. 2
Common Excavation 989
Embankment 258509

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	1970	57	237



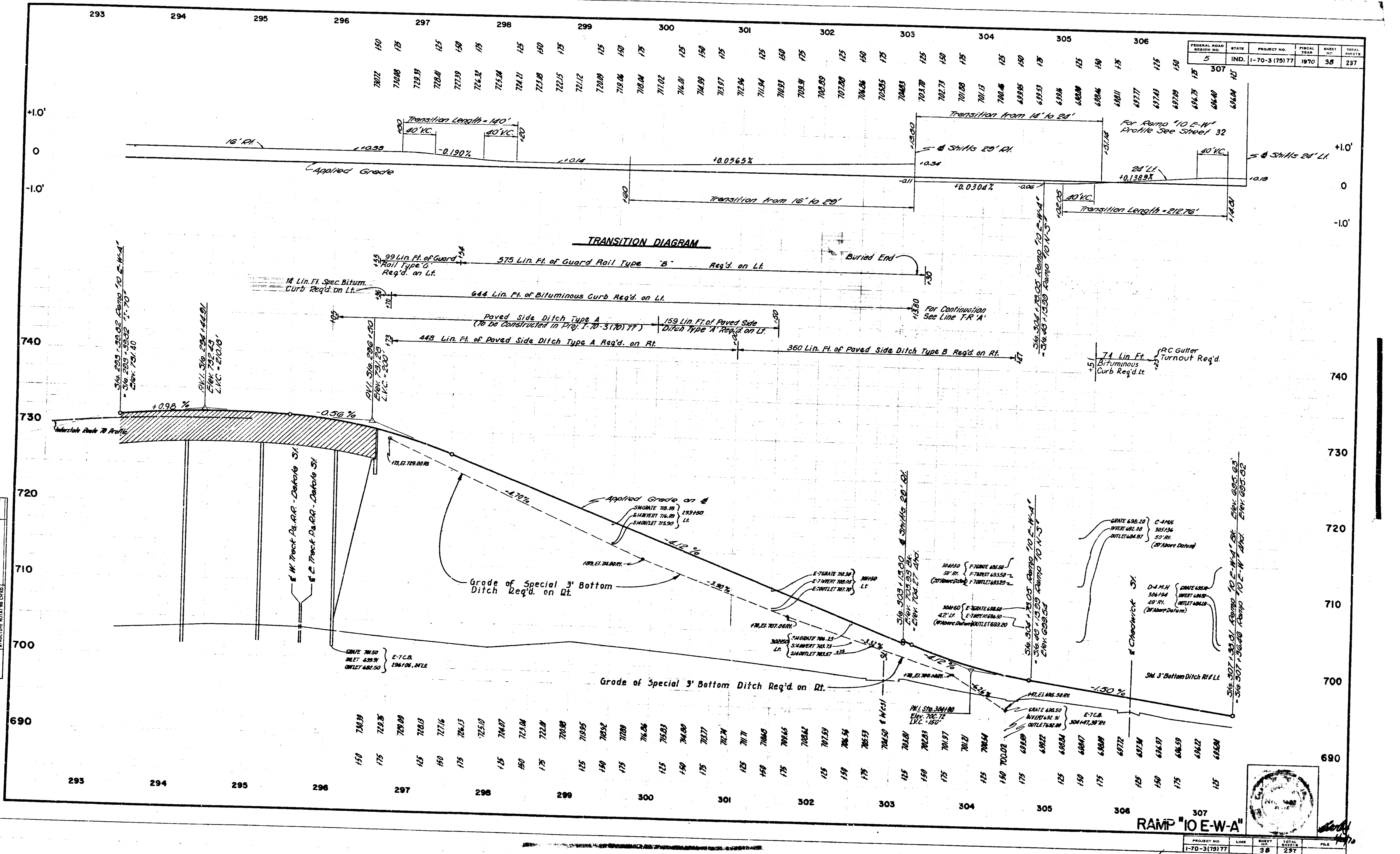
PROFILE	DATE
REVISED	
BY	
NOTE BOOK	
NO.	
REVISIONS	
NO.	



RAMP '10W-E-A'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(75)77		57	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75)77	1970	38	237



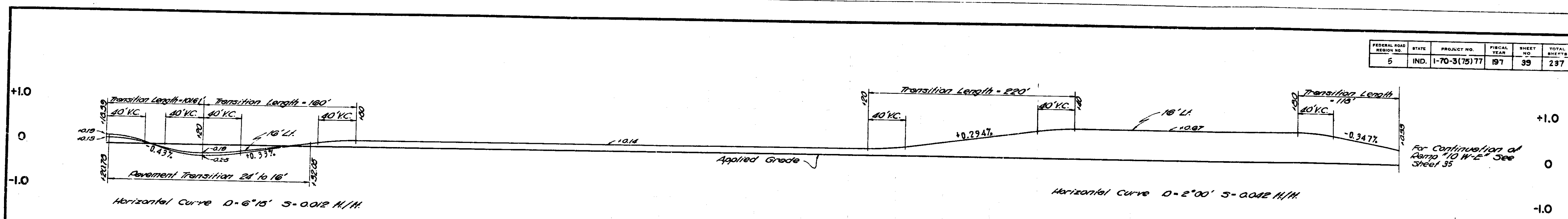
PROFILE	DATE
REVISIONS	
NO.	BY
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



RAMP "10 E-W-A"

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DATE
1-70-3(75)77		38	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	39	237



LT. E.P.	TRANSITION DIAGRAM
25 68213	25 68213
50 68163	50 68163
75 68130	75 68130
100 68104	100 68104
125 68086	125 68086
150 68108	150 68108
175 68137	175 68137
200 68178	200 68178
225 68228	225 68228
250 68278	250 68278
275 68322	275 68322
300 68365	300 68365
325 68408	325 68408
350 68451	350 68451
375 68494	375 68494
400 68537	400 68537
425 68580	425 68580
450 68623	450 68623
475 68666	475 68666
500 68709	500 68709
525 68752	525 68752
550 68795	550 68795
575 68838	575 68838
600 68881	600 68881
625 68924	625 68924
650 68966	650 68966
675 70012	675 70012
700 70026	700 70026
725 70124	725 70124
750 70185	750 70185
775 70261	775 70261
800 70339	800 70339
825 70428	825 70428
850 70517	850 70517
875 70622	875 70622
900 70724	900 70724
925 70851	925 70851
950 70975	950 70975
975 71098	975 71098
1000 71211	1000 71211
1025 71315	1025 71315
1050 71437	1050 71437
1075 71573	1075 71573
1100 71722	1100 71722
1125 71849	1125 71849
1150 71975	1150 71975
1175 72165	1175 72165
1200 72381	1200 72381
1225 72598	1225 72598
1250 72823	1250 72823
1275 73054	1275 73054

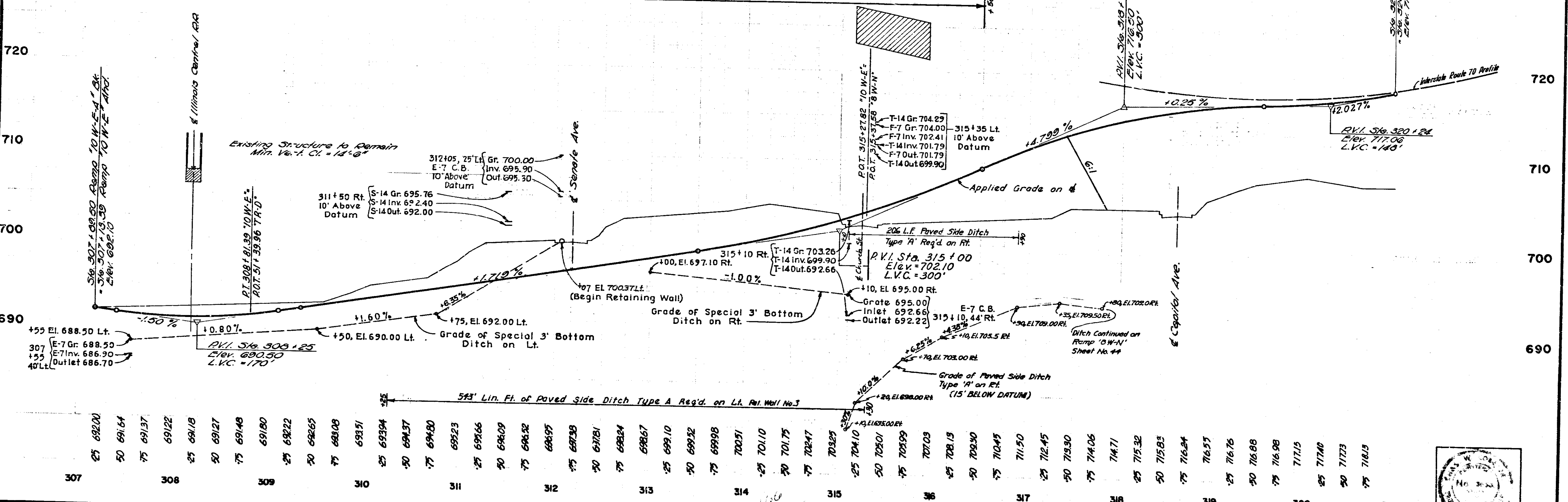
779 Lin. Ft. of Bituminous Curb Req'd. on Rt.

329 Lin. Ft. of Bituminous Curb Req'd. on Lt.

136.5 Lin. Ft. of Guard Rail Req'd. on Rt.

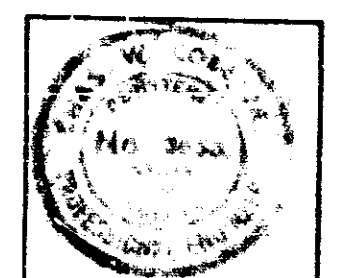
136.5 Lin. Ft. of Guard Rail Req'd. on Lt.

END PAV'T CONST. I-PRVJ. 70-3(75)77



STATION	DESCRIPTION
25 68200	+55 El. 688.50 Lt.
50 68164	E-7 Gr. 688.50
75 68137	E-7 Inv. 686.90
100 68104	E-7 Inv. 686.90
125 68086	40' Lt. Outlet 686.70
150 68108	
175 68137	
200 68178	
225 68228	
250 68278	
275 68322	
300 68365	
325 68408	
350 68451	
375 68494	
400 68537	
425 68580	
450 68623	
475 68666	
500 68709	
525 68752	
550 68795	
575 68838	
600 68881	
625 68924	
650 68966	
675 70012	
700 70026	
725 70124	
750 70185	
775 70261	
800 70339	
825 70428	
850 70517	
875 70622	
900 70724	
925 70851	
950 70975	
975 71098	
1000 71211	
1025 71315	
1050 71437	
1075 71573	
1100 71722	
1125 71849	
1150 71975	
1175 72165	
1200 72381	
1225 72598	
1250 72823	
1275 73054	

PROFILE	DATE
REVISED	
NOTED	
BY	
DATE	
BY	
DATE	



RAMP "10 W-E"

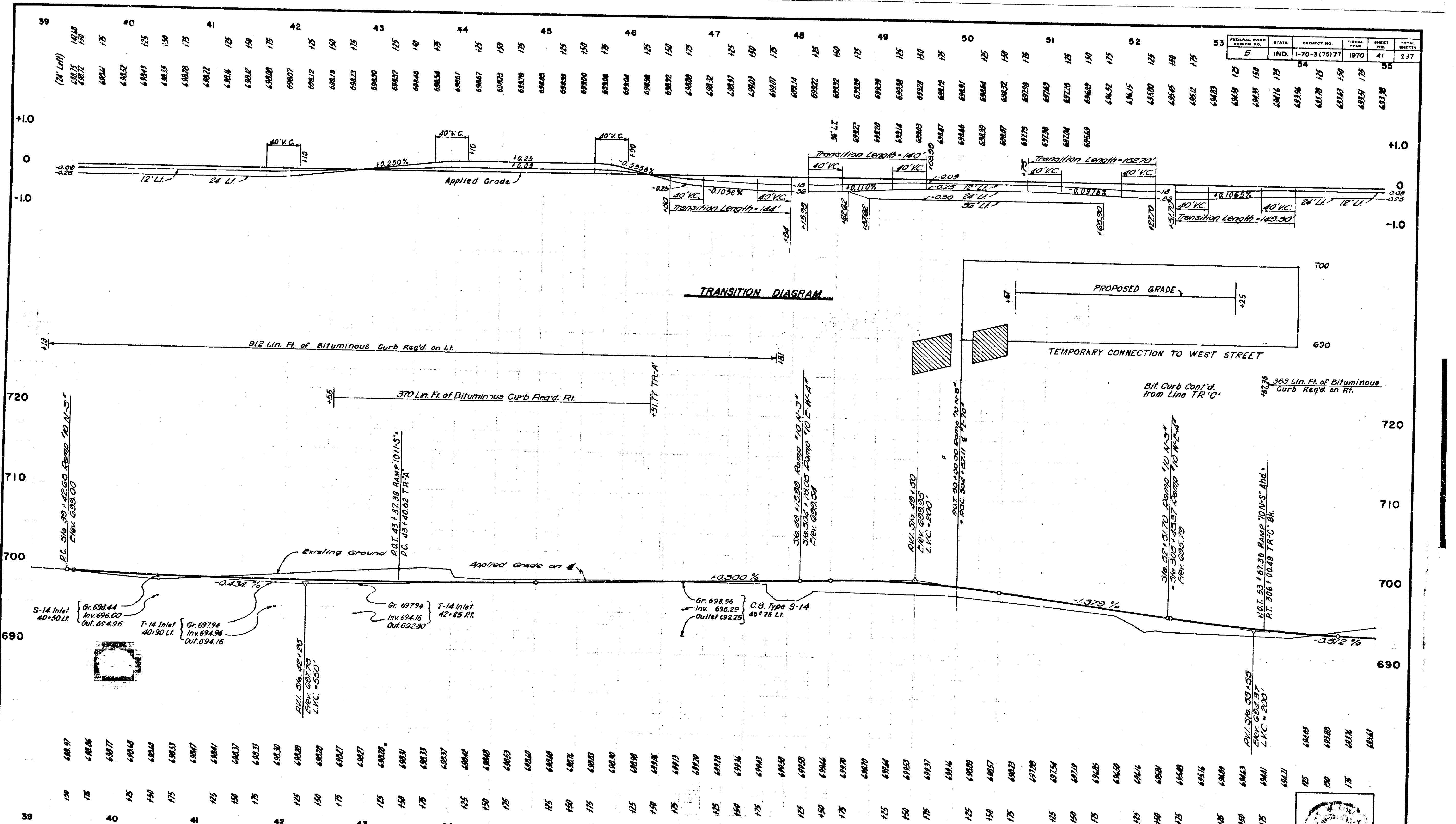
PROJECT NO. 1-70-3(75)77

SHEET NO. 39

TOTAL SHEETS 237

DATE 1970

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75) 77	1970	41	237



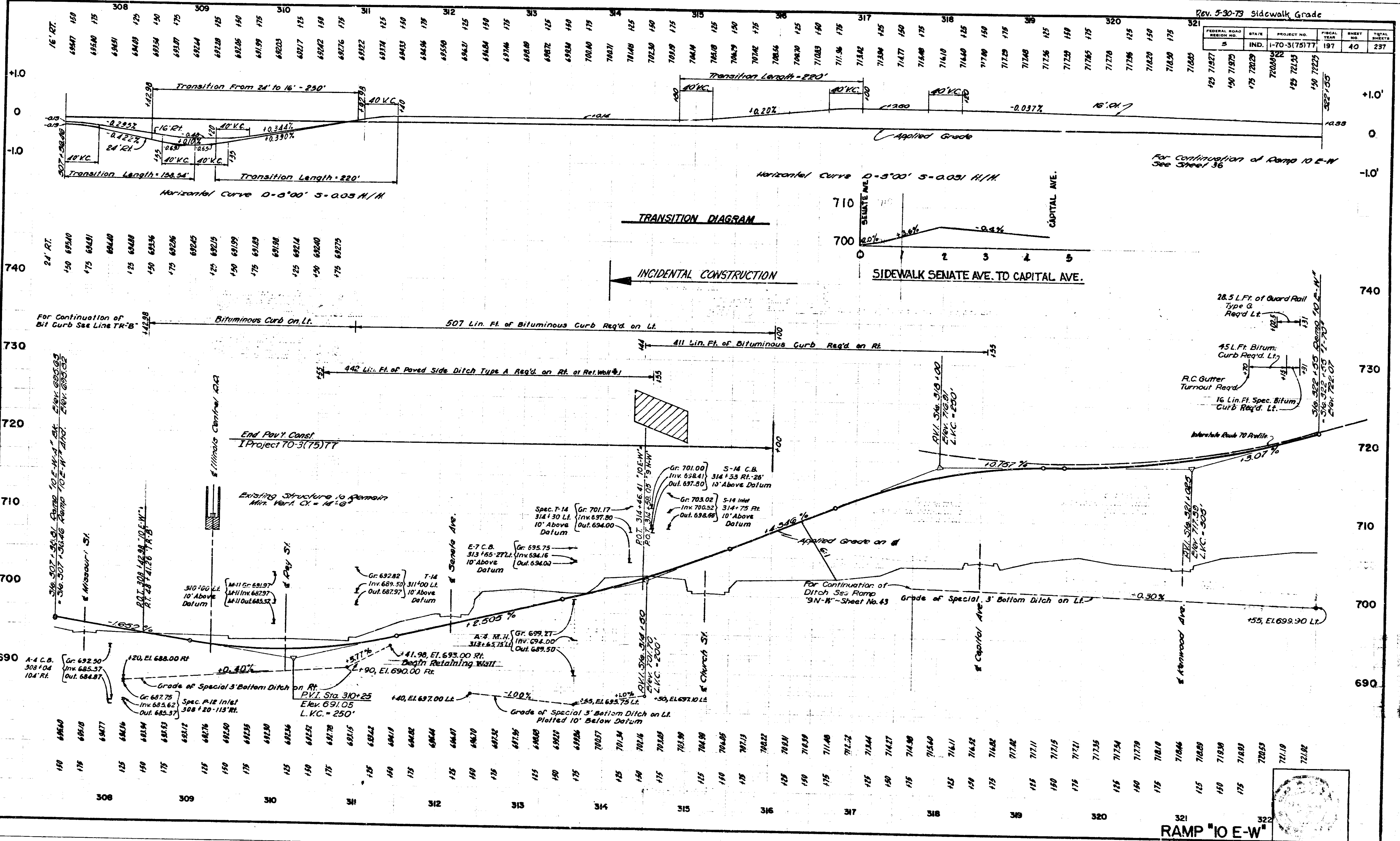
PROFILE	DATE
REVISED	
DESIGNED	
CHECKED	
NOTED	
STRUCTURE	
NO.	

NOT⁴⁹ INCLUDED⁵⁰ IN THIS⁵¹ CONTRACT⁵²
 TO BE CONSTRUCTED IN BRIDGE PROJECT: 1-70-3(69)77

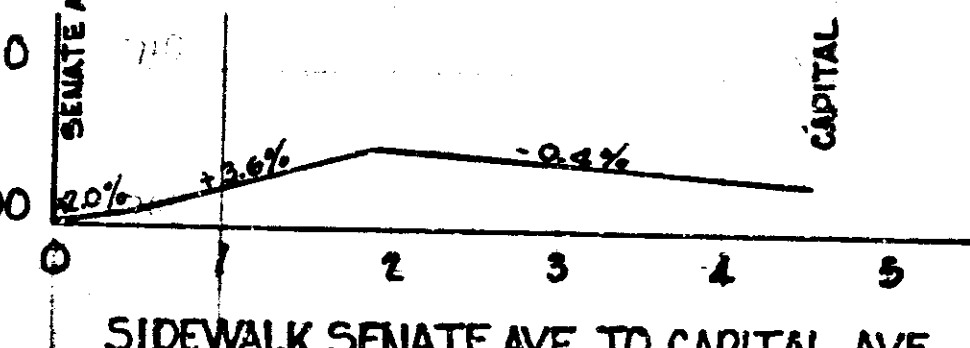
PROJECT NO.	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(75)77	41	297	

Rev. 5-30-73 Sidewalk Grade

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	40	237



TRANSITION DIAGRAM



INCIDENTAL CONSTRUCTION

SIDEWALK SENATE AVE. TO CAPITAL AVE.

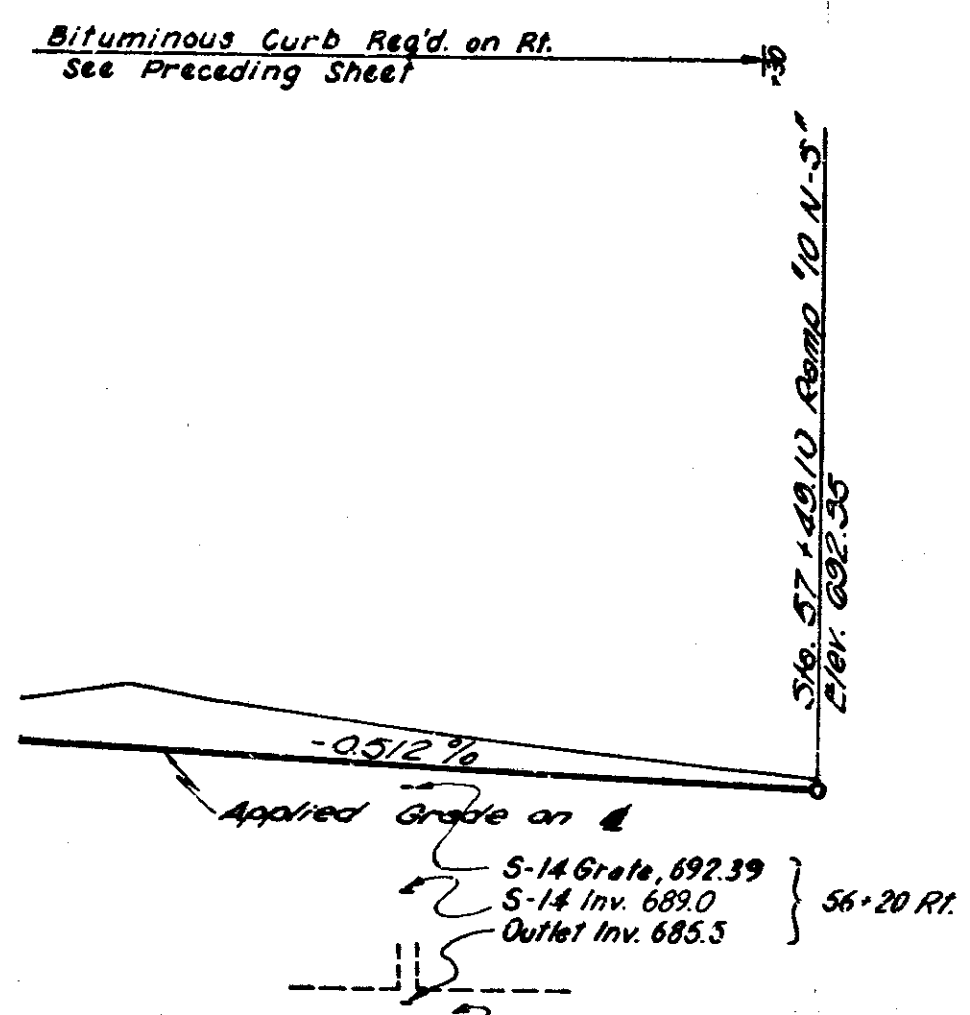
DATE	BY	REVISION

RAMP 10 E-W

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-70-3(75)77		40	237

Station	125	130	135	140	145	150	155	160	165	170	175	180	185	190
Applied Grade	688.30	688.25	688.12	687.89	687.67	687.24	686.84	686.24	685.64	685.00	684.20	683.25	682.23	681.10

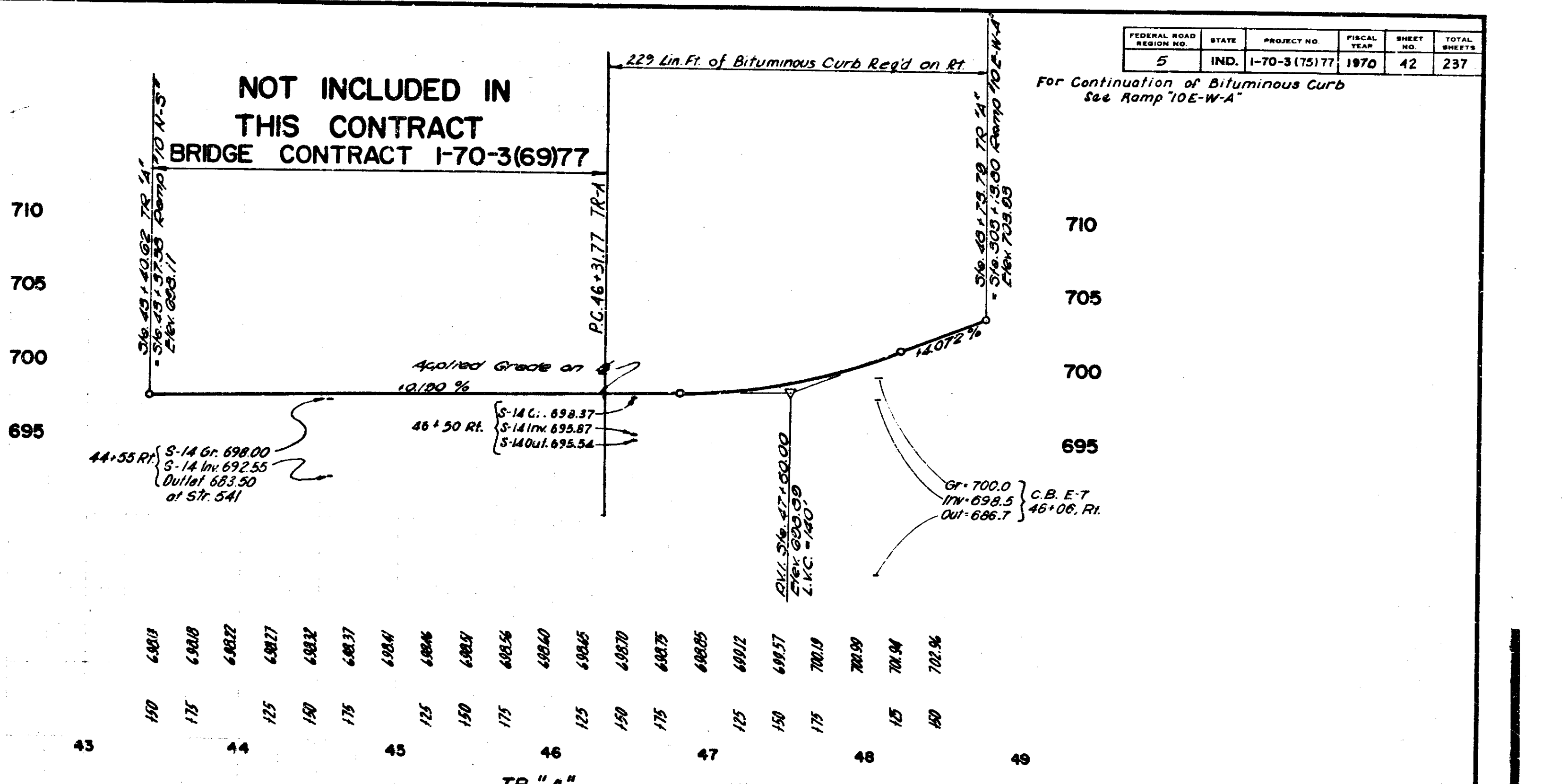
TRANSITION DIAGRAM



Station	125	130	135	140	145	150	155	160	165	170	175	180	185	190
Elevation	688.10	687.90	687.67	687.44	687.21	686.98	686.75	686.52	686.29	686.06	685.83	685.60	685.37	685.14

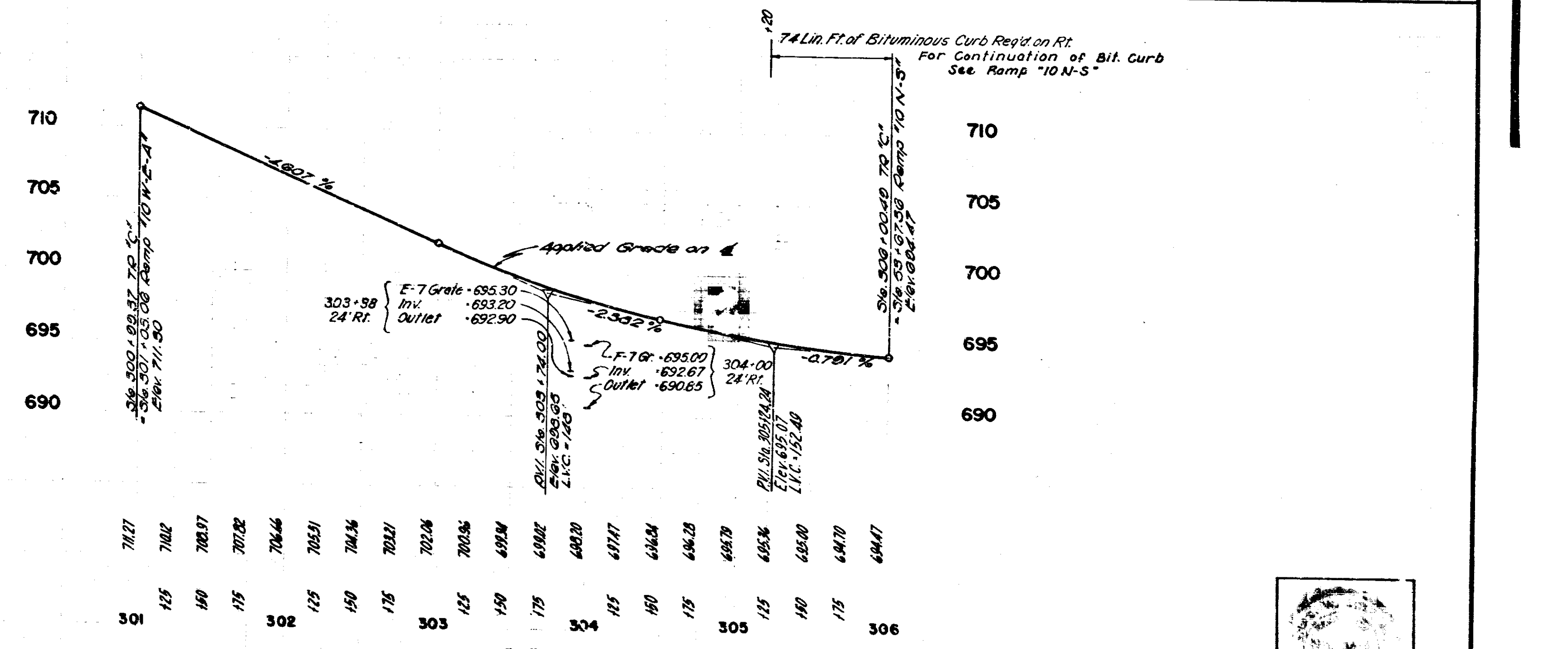
RAMP "ION-S"

NOT INCLUDED IN THIS CONTRACT TO BE CONSTRUCTED IN BRIDGE PROJECT I-70-3(69)77



Station	43	44	45	46	47	48	49
Elevation	695.00	694.00	693.00	692.00	691.00	690.00	689.00

TR "A"



Station	301	302	303	304	305	306
Elevation	702.7	701.2	700.5	699.8	699.1	698.4

TR "C"

RAMP "ION-S", LINE TR "A" & "C"

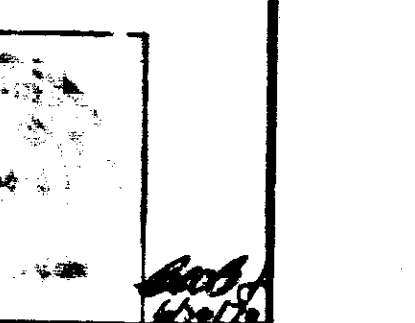
FEDERAL ROAD DISTRICT NO.	5	STATE	IND.	PROJECT NO.	I-70-3(75)77	FISCAL YEAR	1970	SHEET NO.	42	TOTAL SHEETS	237
---------------------------	---	-------	------	-------------	--------------	-------------	------	-----------	----	--------------	-----

For Continuation of Bituminous Curb See Ramp '0E-W-A'

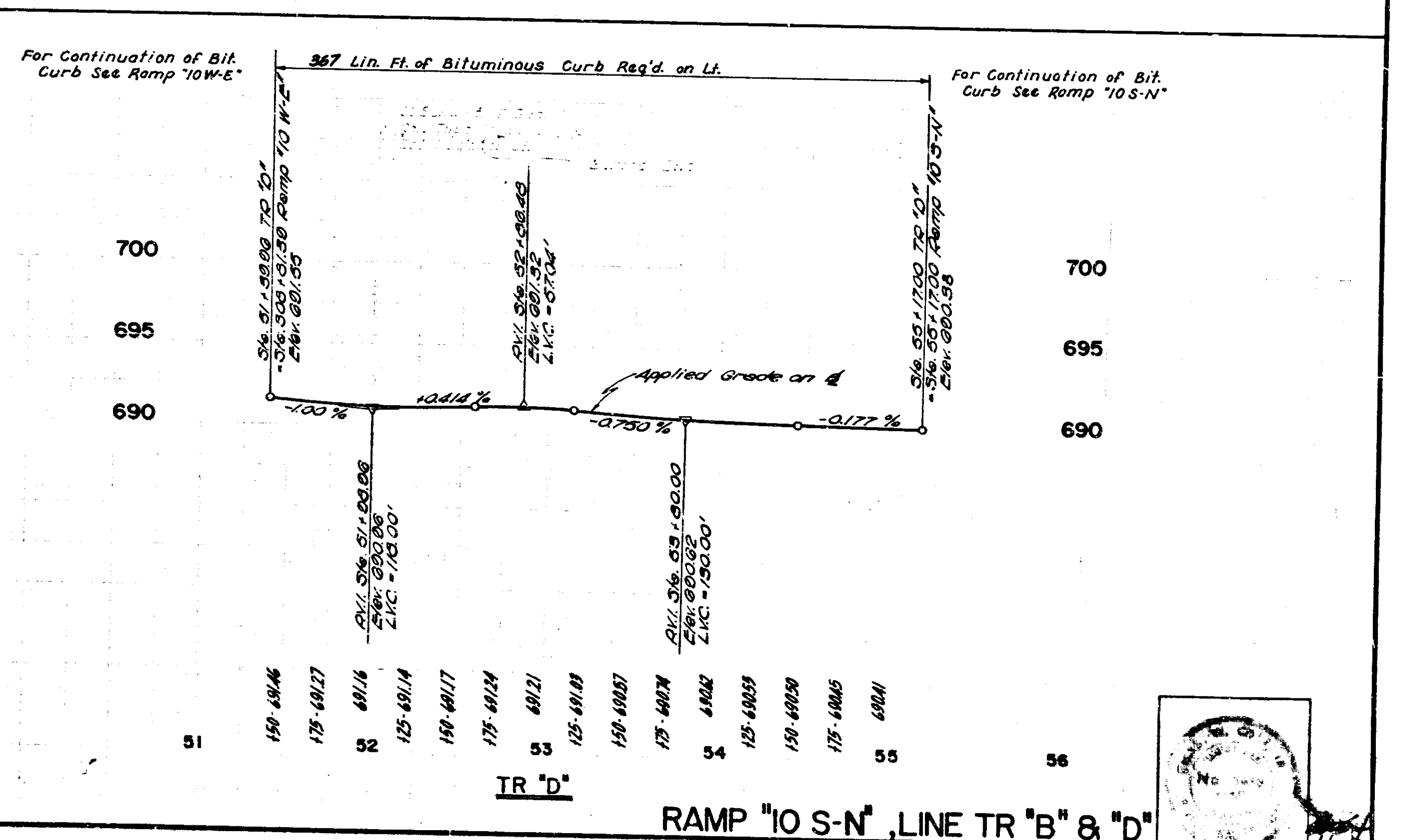
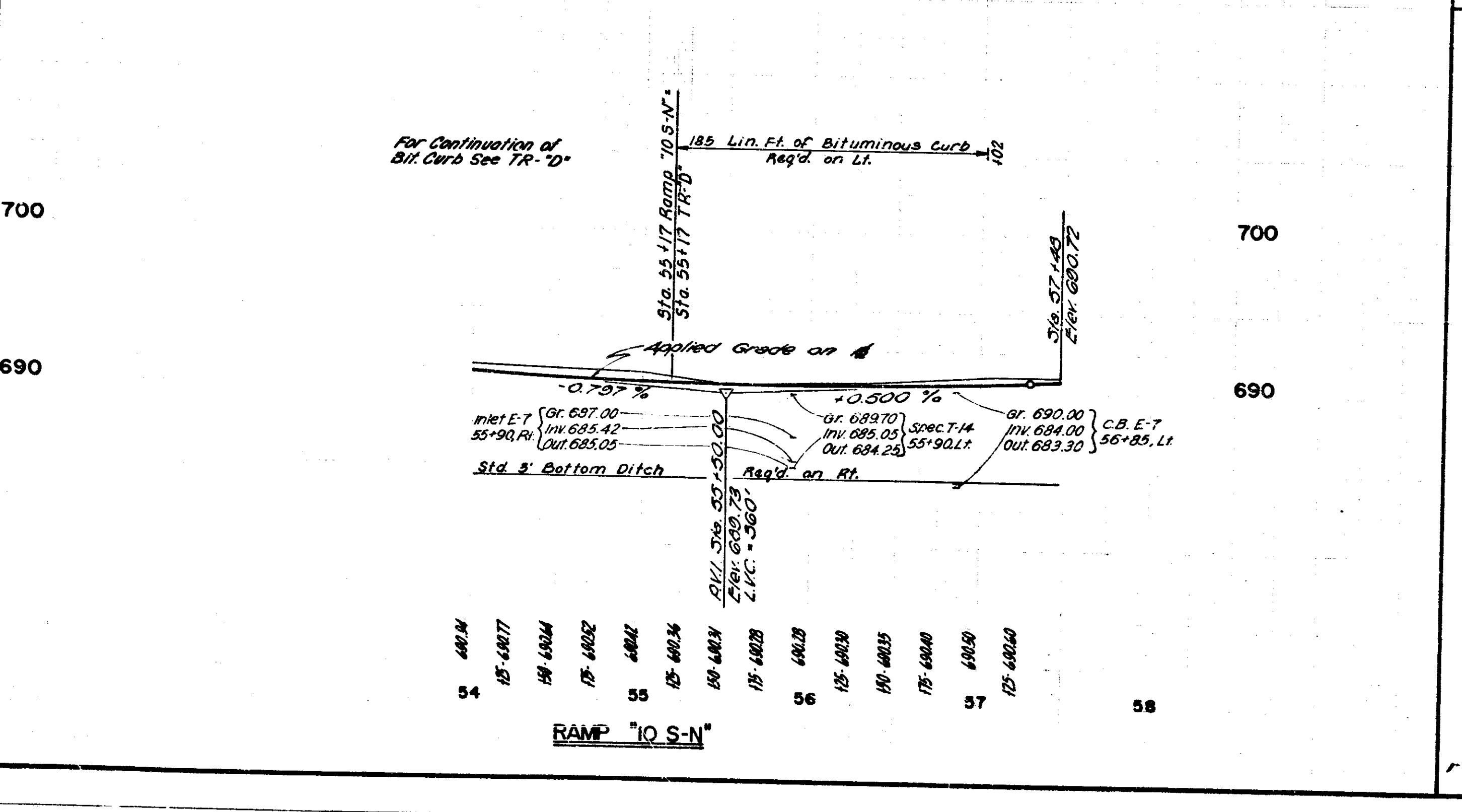
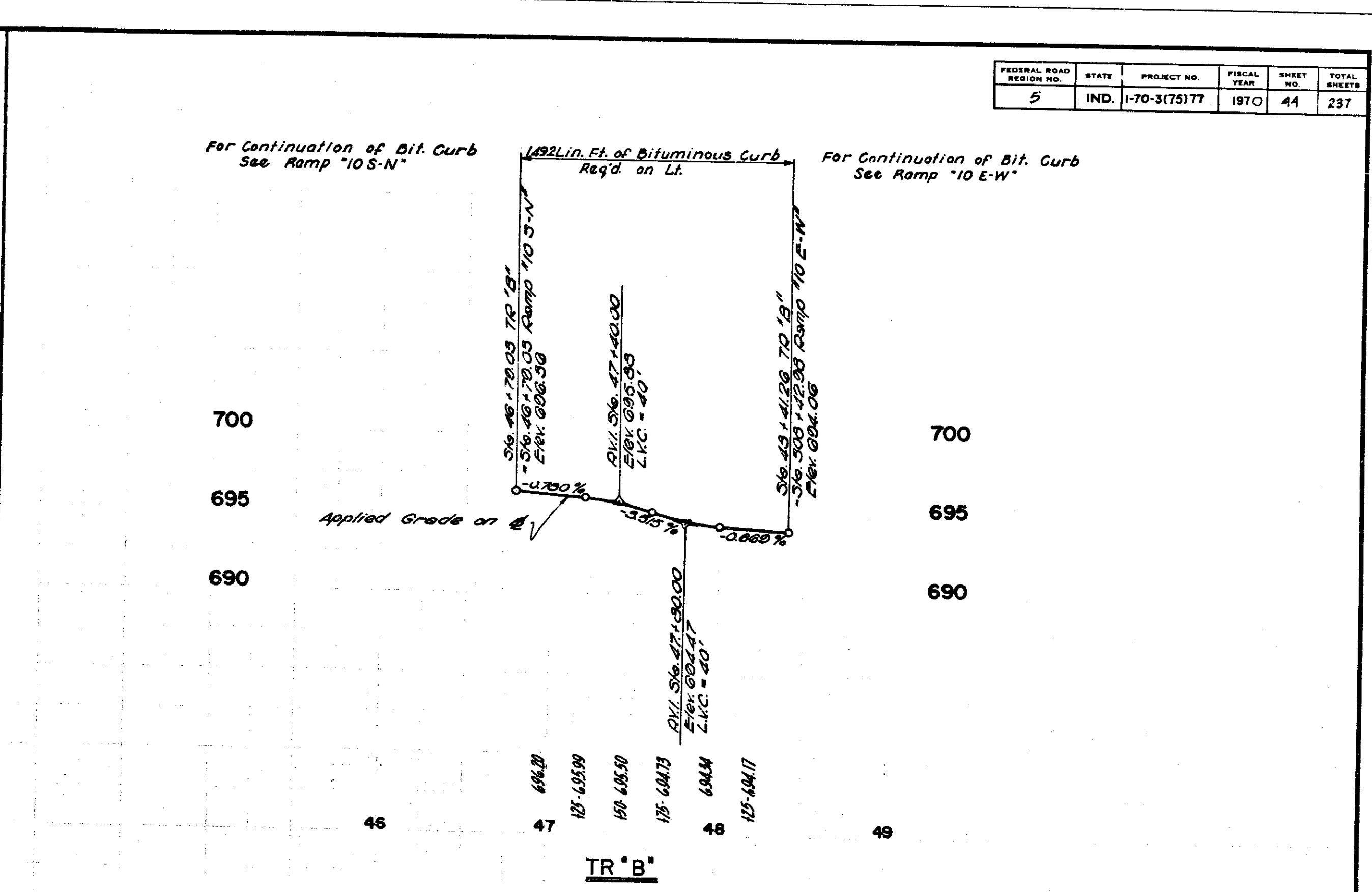
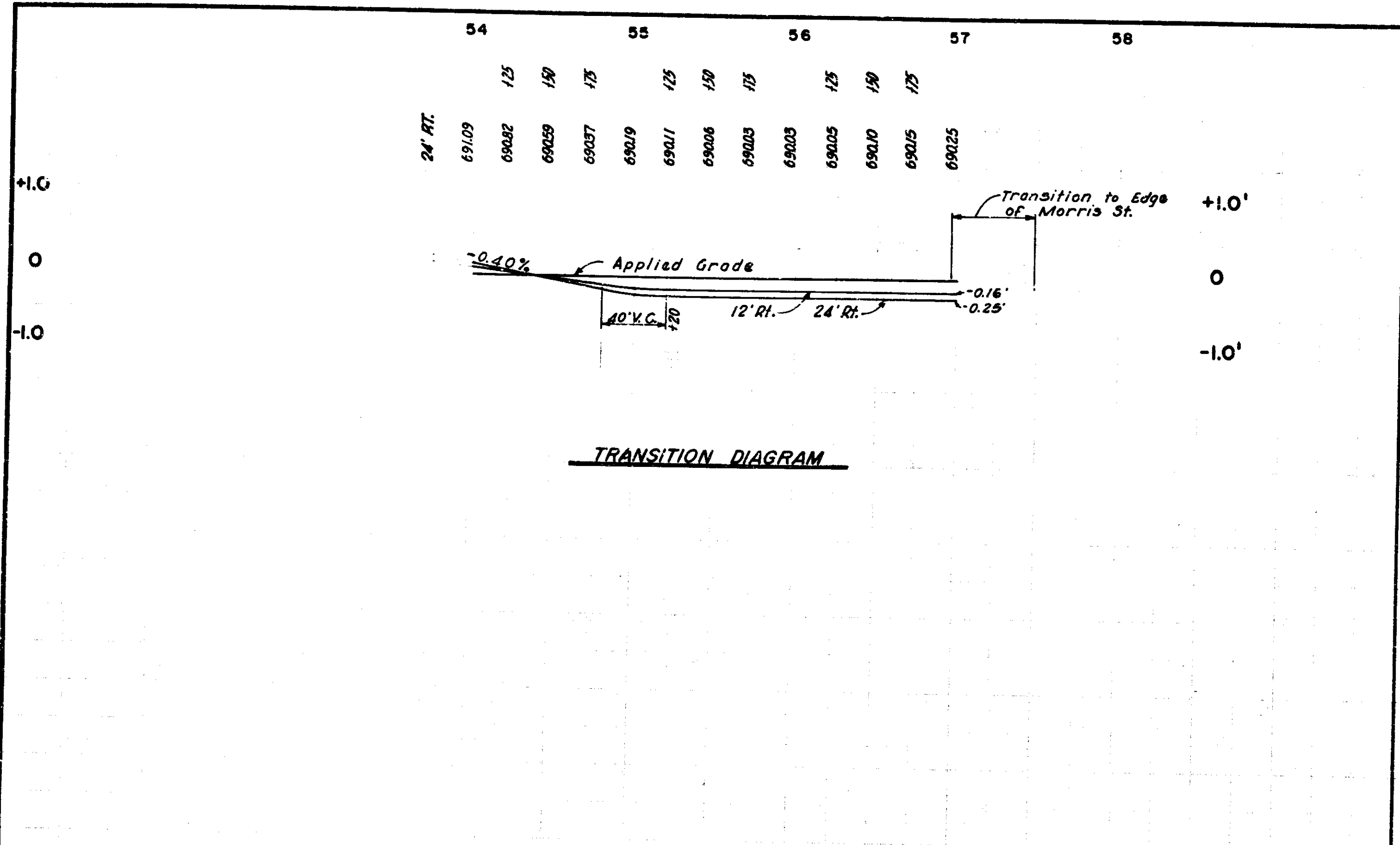
For Continuation of Bit. Curb See Ramp '10-N-S'

DATE	
BY	
PROFILE	
REVISION	
NOTE BOOK	
NO.	

PROJECT NO.	I-70-3(75)77	LINE		SHEET NO.	42	TOTAL SHEETS	237
-------------	--------------	------	--	-----------	----	--------------	-----



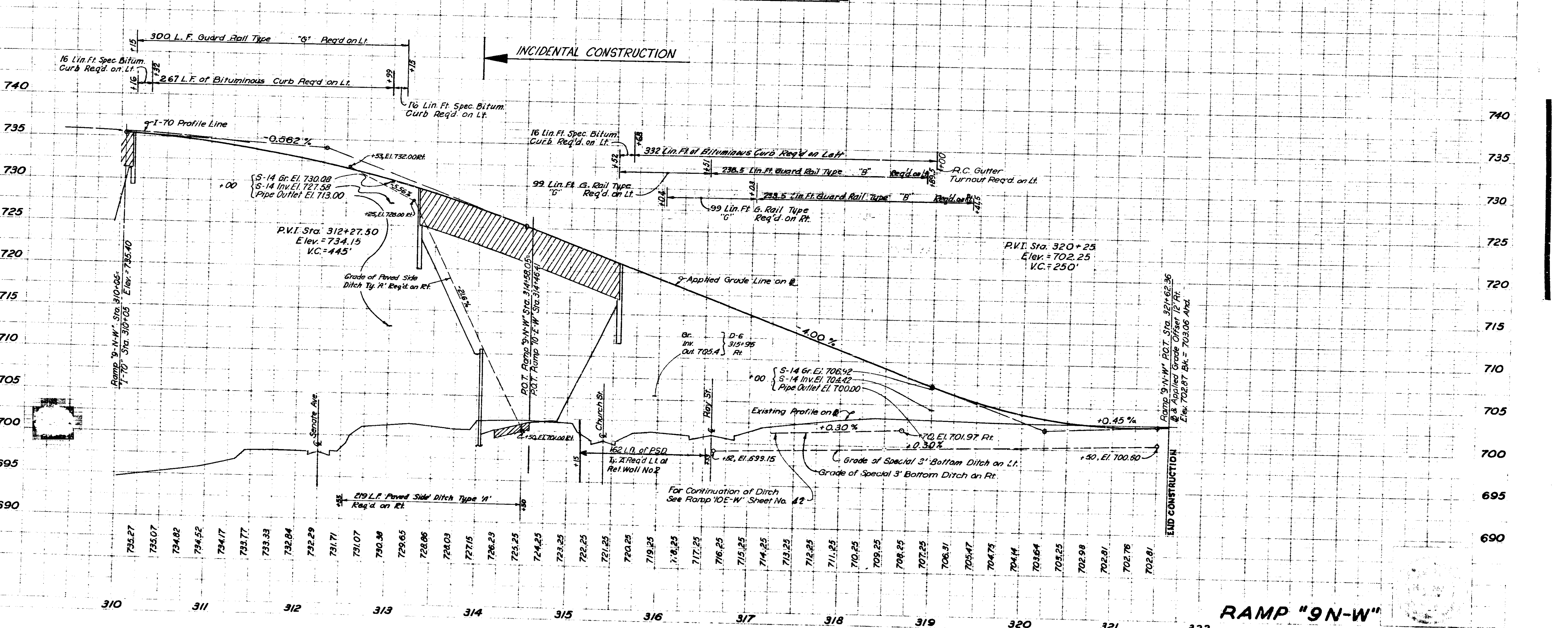
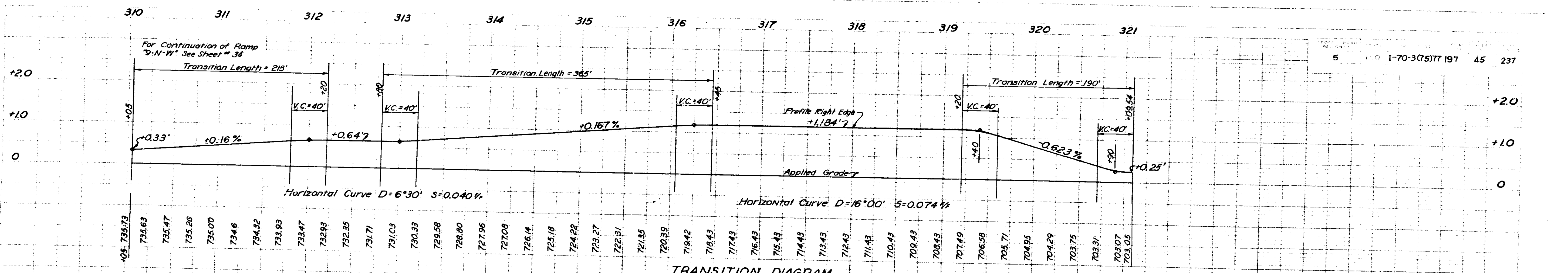
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	44	237



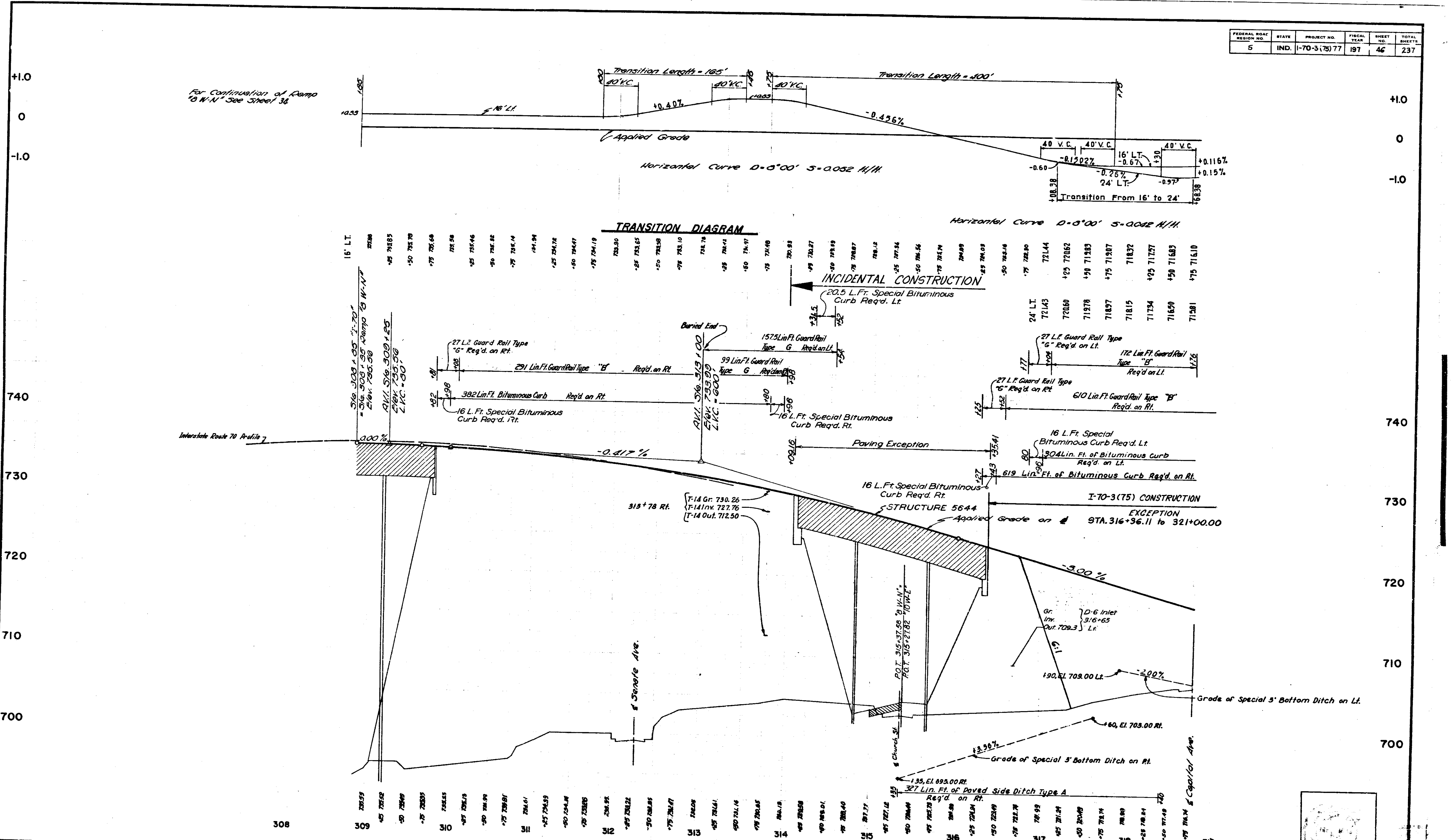
DATE	BY



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(75)77		44	237	



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	46	237

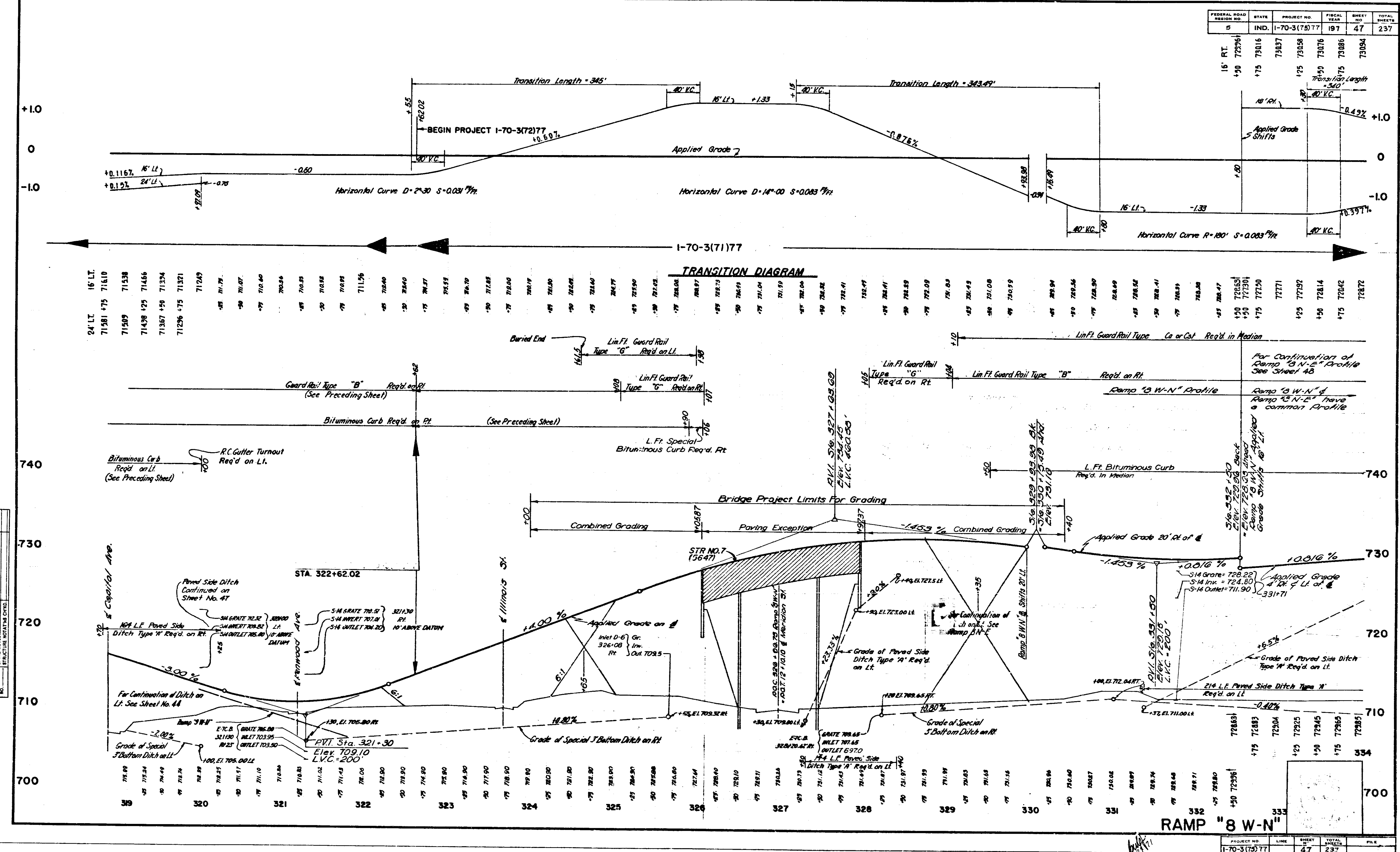


PROFILE	DATE
BY	
CHECKED	
DATE	
BY	
CHECKED	
DATE	

RAMP "8 W-N"

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-70-3(75)77		46	237

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	47	237

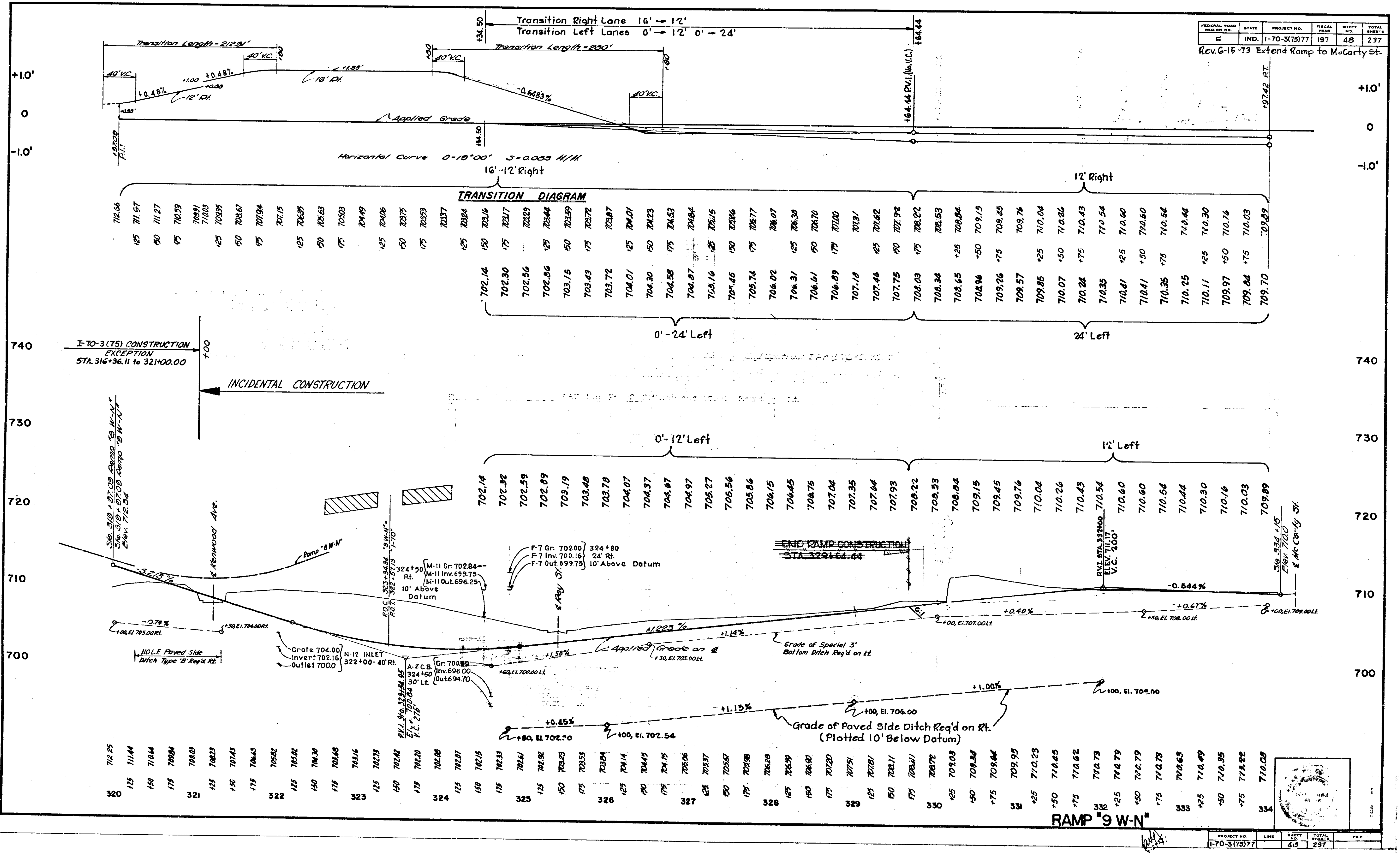


DATE	BY	REVISION

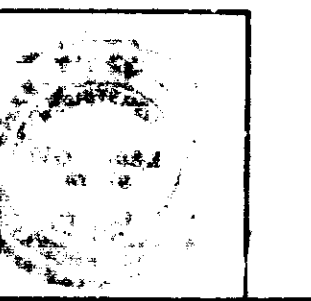
PROJECT NO. 1-70-3(75)77		LINE 47	SHEET 237	TOTAL SHEETS 237	FILE
--------------------------	--	---------	-----------	------------------	------

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	48	237

Rev. G-15-73 Extend Ramp to McCarty St.

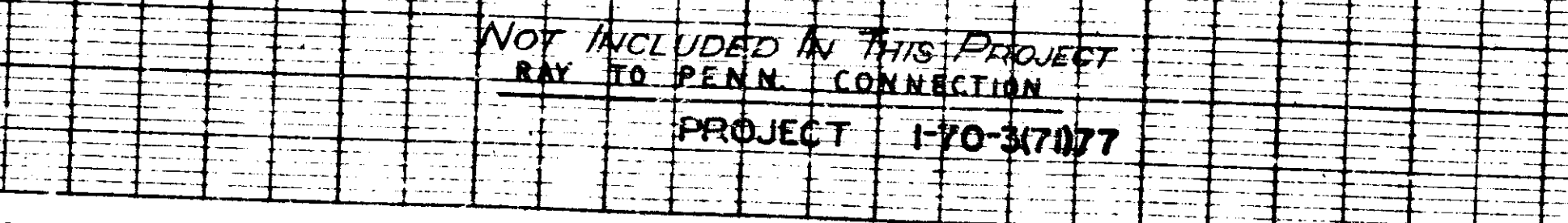
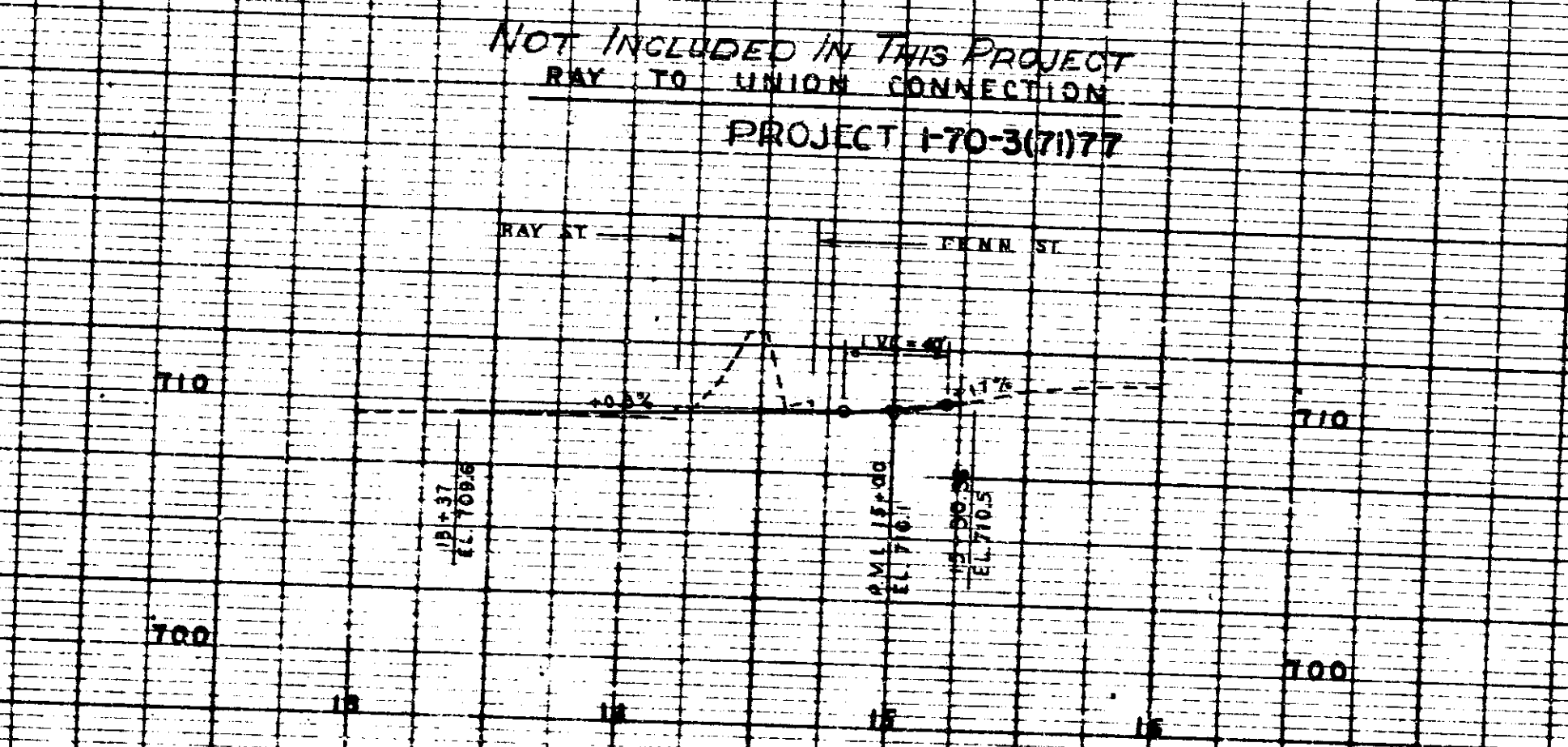
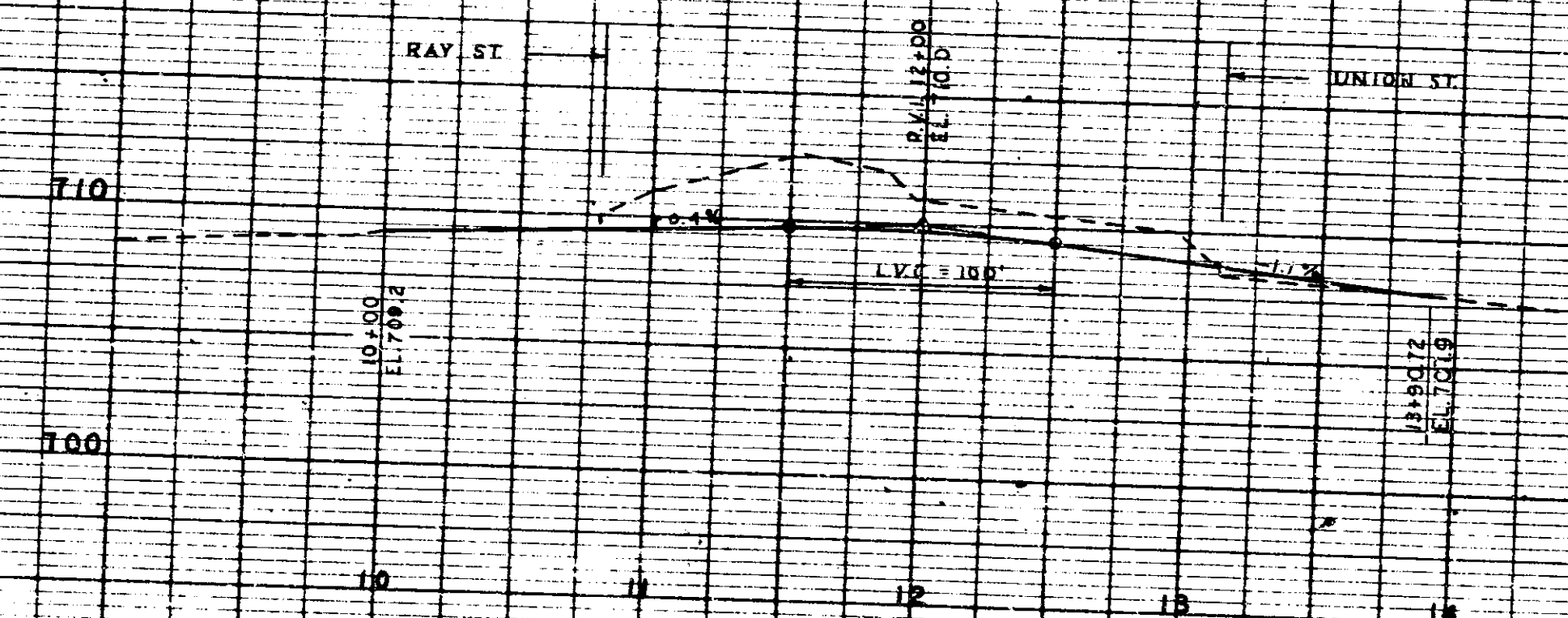
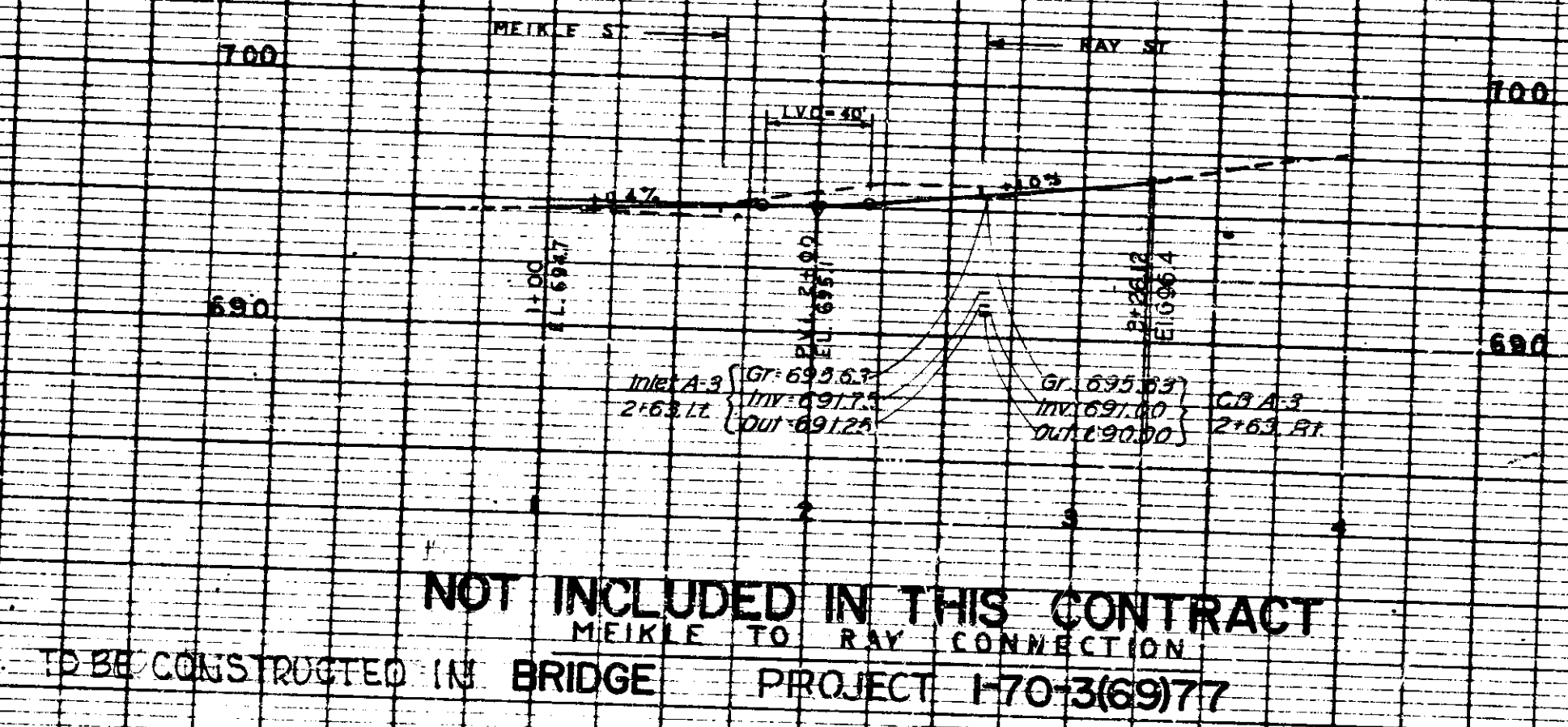


DATE	
BY	
PROFILE	
NO.	
NOTE BOOK	
ENGINEERING NOTE IN CITY	



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(75)77		48	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3175177	1970	49	237

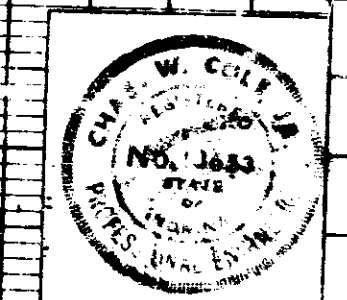


NOT INCLUDED IN THIS CONTRACT
MEIKLE TO RAY CONNECTION
TO BE CONSTRUCTED IN BRIDGE PROJECT 1-70-3(69)77

NOT INCLUDED IN THIS PROJECT
RAY TO UNION CONNECTION
PROJECT 1-70-3(71)77

NOT INCLUDED IN THIS PROJECT
RAY TO PENN. CONNECTION
PROJECT 1-70-3(70)77

MEIKLE TO RAY CONNECTION
RAY TO UNION CONNECTION
RAY TO PENN. CONNECTION



PROFILE
DATE
BY
CHECKED
DATE
BY
NOTE: GRADES CHECKED BY
INDICATED BY THE CURVES

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-70-3175177		49	237

STORM DRAINAGE

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	50	

STRUCTURE NO. 1
To be constructed under separate contract. Paving Exception Sta. 290 + 45.97 to Sta. 296 + 56.73.
Bridge File No. I-70-77-2386
Project No. I-70-3(70)77

STRUCTURE NO. 2
To be constructed under separate contract. Paving Exception Sta. 304 + 16.50 to Sta. 309 + 99.56
Bridge File No. I-70-77-2416
Project No. I-70-3(69)77

Sta. 296 + 65, 87' Rt.
STRUCTURE NO. 16
Inlet Type D-6 & of 12" Pipe Req'd.

Sta. 296 + 40, 95' Lt.
STRUCTURE NO. 17
Inlet Type D-6 & of 12" Pipe Req'd.

Sta. 293 + 34, 69' Rt.
STRUCTURE NO. 18
Inlet Type E-7 & of 12" Pipe Req'd.

Sta. 293 + 34, 25' Lt.
STRUCTURE NO. 19
Inlet Type E-7 & of 12" Pipe Req'd.

Sta. 290 + 49, 24' Rt.
STRUCTURE NO. 20
Inlet Type F-7 & of 12" Pipe Req'd.

Sta. 290 + 49, 24' Lt.
STRUCTURE NO. 21
Inlet Type E-7 & of 12" Pipe Req'd.

Sta. 290 + 36, 35' Rt.
STRUCTURE NO. 22
Manhole Type G & of 96" Pipe Req'd.

Sta. 296 + 37, 42' Rt.
STRUCTURE NO. 23
Manhole Type G & of 96" Pipe Req'd.

Sta. 296 + 06, 10E-W-A, 24' Lt.
STRUCTURE NO. 24
Catch Basin Type E-7 & of 12" Pipe Req'd.

Sta. 296 + 28, 10W-E-A, 48' Rt.
STRUCTURE NO. 25
Catch Basin Type E-7 & of 12" Pipe Req'd.

Sta. 296 + 60, I-70
STRUCTURE NO. 26
of 6" F.B.C.R.C.S. Pipe Req'd.

Sta. 298 + 50, I-70
STRUCTURE NO. 27
Inlet Type E & of 84" of 12" Pipe Req'd.

Sta. 299 + 50, 10E-W-A, 8' Lt.
STRUCTURE NO. 28
Inlet Type S-14 & of 46" of 12" Pipe Req'd.

Sta. 299 + 25, 10W-E-A
STRUCTURE NO. 29
Inlet Type S-14 & of 52" of 12" Pipe Req'd.

Sta. 301 + 05, I-70
STRUCTURE NO. 30
Inlet Type E- & of 118" of 12" Pipe Req'd.

Sta. 301 + 50, I-70
STRUCTURE NO. 31
Inlet Type E- & of 124" of 12" Pipe Req'd.

Sta. 301 + 50, 10E-W-A, 11' Lt.
STRUCTURE NO. 32
Inlet Type E-7 & of 56" of 12" Pipe Req'd.

Sta. 302 + 50, 10E-W-A, 8' Lt.
STRUCTURE NO. 33
Inlet Type S-14 & of 46" of 12" Pipe Req'd.

Sta. 303 + 88, TR-C, 24' Rt.
STRUCTURE NO. 34
Inlet Type E-7 & of 10" of 12" Pipe Req'd.

Sta. 304 + 00, TR-C, 35' Rt.
STRUCTURE NO. 35
Inlet Type F-7 & of 84" of 15" Pipe Req'd.

Sta. 303 + 57, 10W-E-A, 50' Lt.
STRUCTURE NO. 36
Inlet Type E-7 & of 8" of 12" Pipe Req'd.

Sta. 303 + 67, 10W-E-A, 50' Lt.
STRUCTURE NO. 37
Catch Basin Type E-7 & of 24" of 18" Pipe Req'd.

Sta. 303 + 55, I-70, 190' Rt.
STRUCTURE NO. 38
Spec. Jct. Box Type E-4 of 96" Pipe Req'd.

Sta. 304 + 10, I-70
STRUCTURE NO. 39
of 6" F.B.C.R.C.S. Pipe Req'd.

Sta. 304 + 17, I-70, 52' Lt.
STRUCTURE NO. 40
Inlet Type D-6 & of 12" Pipe Req'd.

Sta. 304 + 50, 10E-W-A, 50' Rt.
STRUCTURE NO. 41
Inlet Type F-7 & of 12" Pipe Req'd.

Sta. 304 + 47, 10E-W-A, 39' Rt.
STRUCTURE NO. 42
Catch Basin Type E-7 & of 24" Pipe Req'd.

Sta. 304 + 55, 10E-W-A, 42' Lt.
STRUCTURE NO. 43
Inlet Type E-7 & of 72" of 12" Pipe Req'd.

I-70-3(69)77

I-70-3(69)77

Construct Under Bridge Project I-70-3(69)77

Sta. 46 + 50, TR-A, 20' Rt.
STRUCTURE NO. 44
Inlet Type S-14 & of 12" Pipe Req'd.

Sta. 46 + 75, 10N-S, 26' Lt.
STRUCTURE NO. 45
Catch Basin Type S-14 & of 12" Pipe Req'd.

Sta. 305 + 36, 10E-W-A, 50' Rt.
STRUCTURE NO. 46
Manhole Type A-4 & of 156" of 24" Pipe Req'd.

Sta. 45 + 00, 10S-N, 7' Lt.
STRUCTURE NO. 47
Inlet Type S-14 & of 42" of 12" Pipe Req'd.

Sta. 47 + 00, 10S-N, 7' Lt.
STRUCTURE NO. 48
Inlet Type S-14 & of 48" of 12" Pipe Req'd.

Sta. 47 + 57, 10S-N, 47' Rt.
STRUCTURE NO. 49
Catch Basin Type E-7 & of 100" of 12" Pipe Req'd.

Sta. 306 + 94, 10E-W-A, 49' Rt.
STRUCTURE NO. 50
Manhole Type D-4 & of 278" of 42" Pipe Req'd.

Sta. 308 + 04, 10E-W, 94' Rt.
STRUCTURE NO. 51
Catch Basin Type A-4 & of 126" of 30" Pipe Req'd.

Sta. 308 + 28, 10E-W, 98' Rt.
STRUCTURE NO. 52
Spec. Inlet Type D-12 & of 18" of 18" Pipe Req'd.

Sta. 306 + 96, I-70, 141' Rt.
STRUCTURE NO. 53
Manhole Type G-4 & of 96" Pipe Req'd.
I-70-3(69)77

Sta. 51 + 90, 10S-N, 55' Rt.
STRUCTURE NO. 54
Catch Basin Type E-7 & of 50" of 30" Pipe Req'd.

Sta. 52 + 17, 10S N, 8' Lt.
STRUCTURE NO. 55
Spec. Inlet Type T-14 & of 66" of 24" Pipe Req'd.

Sta. 307 + 55, 10W-E, 40' Lt.
STRUCTURE NO. 56
Inlet Type E-7 & of 26" of 24" Pipe Req'd.

Sta. 308 + 85, I-70, 155' Rt.
STRUCTURE NO. 57
Manhole Type G-4 & of 96" Pipe Req'd.

Sta. 310 + 00, I-70
STRUCTURE NO. 58
of 6" F.B.C.R.C.S. Pipe Req'd.

Sta. 309 + 80, I-70, 70' Rt.
STRUCTURE NO. 58A
inlet type D-6 & of 12" Pipe Req'd.

Sta. 310 + 00, 10E-W, 7' Lt.
STRUCTURE NO. 59
Inlet Type M-11 & of 206" of 18" Pipe Req'd.

Sta. 311 + 00, 10E-W, Lt.
STRUCTURE NO. 60
Inlet Type T-14 & of 98" of 15" Pipe Req'd.

Sta. 311 + 55, I-70, 153' Rt.
STRUCTURE NO. 67
Manhole Type G-4 & of 96" Pipe Req'd.
Construct Under Bridge Project I-70-3(69)77

Construct Under Bridge Project I-70-3(70)77

Construct Under Project I-70-3(69)77



PROJECT NO.	LINE	SHEET	TOTAL SHEETS
I-70-3(75)77		50	237

INDIANAPOLIS SANITARY DISTRICT FACILITIES

FEDERAL AID DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	52	

- Construct Under Bridge Project I-70-3(69)77*
- Sta. 308 + 52, 10 W-E, 6'
STRUCTURE NO. 582
Remove Existing Manhole &
Break in Existing 54" Sewer.
 - Sta. 308 + 34, 10 W-E, 7' Rt
STRUCTURE NO. 583
C.B. Type K w/ Flood I/S.D. Coating 3287
24' of 12" Pipe Req'd.
 - Sta. 308 + 41, 10 W-E, 32' Rt
STRUCTURE NO. 584
Manhole Type F w/ I.S.D.
Cast. No. R-1772-CVH &
1' of 68" x 43" Pipe Req'd.
 - Sta. 308 + 81, 10 W-E, 7' Rt
STRUCTURE NO. 585
Sp. Junction Box Type C w/ I.S.D.
Cast. No. R-1772-CL.
 - Sta. 309 + 22, 10 W-E, 63' Lt
STRUCTURE NO. 586
Manhole Type F w/ I.S.D.
Cast. No. R-1772-CL &
1' of 72" Pipe Req'd.
 - Sta. 309 + 06, 10 W-E, 53' Lt
STRUCTURE NO. 587
Manhole Type F w/ I.S.D.
Cast. No. R-1772-CVH &
1' of 68" x 43" Pipe Req'd.
 - Sta. 309 + 85, 10 E-W, 54' Rt
STRUCTURE NO. 588
Manhole Type F w/ c+c
Cast. No. R-1772-CVH &
1' of 68" x 43" Pipe Req'd.
 - Sta. 310 + 13, 10 E-W, 63' Rt
STRUCTURE NO. 589
Manhole Type F
Cast. No. R-1772-CL &
1' of 72" Pipe Req'd.
 - Sta. 309 + 60, 10 E-W, 32' Rt
STRUCTURE NO. 590
Remove Existing Manhole &
Break in Existing 54" Sewer.
 - Sta. 309 + 85, 10 E-W, 32' Rt
STRUCTURE NO. 591
Remove Existing Manhole &
Existing 72" Sewer.
I-70-3(69)77
 - Sta. 309 + 87, 10 E-W, 5' Lt
STRUCTURE NO. 592
Remove Existing Inlet &
Seal Existing Pipe.
 - Sta. 310 + 02, 10 E-W, 17' Rt
STRUCTURE NO. 593
Remove Existing Inlet &
Seal Existing Pipe.
 - Sta. 310 + 50, 10 E-W, 6'
STRUCTURE NO. 594
Remove Existing Manhole &
Break in Existing 48" Sewer.

- Construct Under Bridge Project I-70-3(69)77*
- Sta. 311 + 00, 10 E-W, 25' Lt
STRUCTURE NO. 595
Junction Box Type D, w/ I.S.D.
Cast. No. R-1772-CVH &
1' of 72" Pipe.
 - Sta. 311 + 84, 10 E-W, 23' Lt
STRUCTURE NO. 596
Spec. Manhole Type E w/ I.S.D.
Cast. No. R-1772-CVH &
1' of 48" Pipe and
1' of 8" Pipe Req'd.
 - Sta. 2 + 63, Meikle St., Lt
STRUCTURE NO. 596A
Inlet Type A-3 &
of 12" Pipe Req'd.
 - Sta. 2 + 63, Meikle St., Rt
STRUCTURE NO. 596 B
Catch Basin Type A-3 &
of 12" Pipe Req'd.
 - Sta. 312 + 66, 10 E-W, 58' Lt
STRUCTURE NO. 596 C
Manhole Type E w/ I.S.D.
Cast. No. R-1772-CVH &
1' of 48" Pipe Req'd.
 - Sta. 313 + 62, 10 E-W, 52' Lt
STRUCTURE NO. 604
Use Existing Manhole in Place.

Arch. J. Yates

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(75)77		52	237	

STORM DRAINAGE

INDIANAPOLIS SANITARY DISTRICT FACILITIES

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (70)77	197	53	

STRUCTURE NO. 3
RAMP 9N-W
BRIDGE FILE NO. I-70-77-5643
PROJECT NO. I-70-3(71)77
TO BE CONSTRUCTED IN COMBINATION WITH ROAD CONTRACT.
PAVING EXCEPTION: STA. 313+25 TO STA. 315+62.13.

STRUCTURE NO. 4
RAMP 8W-N
BRIDGE FILE NO. I-70-77-5644
PROJECT NO. I-70-3(71)77
TO BE CONSTRUCTED IN COMBINATION WITH ROAD CONTRACT.
PAVING EXCEPTION: STA. 314+07.99 TO STA. 316+36.11

STRUCTURE NO. 5
BRIDGE FILE NO. I-70-77-5645
PROJECT NO. I-70-3(71)77
TO BE CONSTRUCTED IN COMBINATION WITH ROAD CONTRACT.
PAVING EXCEPTION: STA. 322+06.75 TO STA. 323+33.56

STRUCTURE NO. 6
TO BE CONSTRUCTED UNDER SEPARATE CONTRACT.
PAVING EXCEPTION: STA. 325+86.24 TO STA. 327+64.08
BRIDGE FILE NO. I-70-77-5646
BRIDGE PROJECT NO. I-70-3(69)77

STRUCTURE NO. 7
RAMP 8W-N
TO BE CONSTRUCTED UNDER SEPARATE CONTRACT.
PAVING EXCEPTION: STA. 326+05.87 TO STA. 327+97.36
BRIDGE FILE NO. I-70-77-5647
BRIDGE PROJECT NO. I-70-3(69)77

STRUCTURE NO. 8
BRIDGE FILE NO. I-70-77-5648
PROJECT NO. I-70-3(71)77
TO BE CONSTRUCTED IN COMBINATION WITH ROAD CONTRACT.
PAVING EXCEPTION: STA. STA. 331+52.10 TO STA. 332+84.10

STRUCTURE NO. 9
TO BE CONSTRUCTED UNDER SEPARATE CONTRACT.
PAVING EXCEPTION: STA. 334+75.25 TO STA. 340+07.74
BRIDGE FILE NO. I-70-77-2417
BRIDGE PROJECT NO. I-70-3(69)77

Sta. 314+53, 10E-W, 26' Rt.
STRUCTURE NO. 64
Catch Basin Type E-7
38' of 12" Pipe Req'd.

Sta. 314+75, 10E-W, Rt.
STRUCTURE NO. 65
Inlet Type 5-14 &
22' of 12" Pipe Req'd.

Sta. 313+00, 9N-W, Lt.
STRUCTURE NO. 66
Inlet Type 5-14 &
40' of 12" Pipe Req'd.

Sta. 313+10, 9N-W
STRUCTURE NO. 66A
86' of 6" F.B.C.R.C.S. Pipe Req'd.

Sta. 311+55, & 1-70, 153' Rt.
STRUCTURE NO. 67 (MH*6)
Manhole Type G-4 &
1' of 96" Pipe Req'd.
To be Constructed in I Project 70-3(69)77.

Sta. 311+50, 10W-E, Rt.
STRUCTURE NO. 68
Catch Basin Type 5-14 &
40' of 12" Pipe Req'd.

Sta. 312+05, 10W-E, 25' Lt.
STRUCTURE NO. 68A
Catch Basin Type E-7 &
60' of 12" Pipe Req'd.

Sta. 312+75, & 1-70
STRUCTURE NO. 69
Inlet Type E &
76' of 12" Pipe Req'd.

Sta. 313+28, & 1-70, Rt.
STRUCTURE NO. 70
Inlet Type 5-14 &
62' of 12" Pipe Req'd.

Sta. 313+78, 8W-N, Rt.
STRUCTURE NO. 71
Inlet Type T-14 &
40' of 12" Pipe Req'd.

Sta. 314+00, 8W-N
STRUCTURE NO. 71A
96' of 6" F.B.C.R.C.S. Pipe Req'd.

Sta. 315+00, & 1-70
STRUCTURE NO. 72
Inlet Type 5-14 &
60' of 12" Pipe Req'd.

Sta. 315+30, & 1-70, 56' Rt.
STRUCTURE NO. 73
Inlet Type T-14 &
46' of 12" Pipe Req'd.

Sta. 315+35, 10W-E, 24' Lt.
STRUCTURE NO. 74
Inlet Type F-7 &
4' of 12" Pipe Req'd.

Sta. 315+35, 10W-E, Lt.
STRUCTURE NO. 75
Inlet Type T-14 &
34' of 12" Pipe Req'd.

Sta. 315+10, 10W-E, Rt.
STRUCTURE NO. 76
Inlet Type T-14 &
32' of 12" Pipe Req'd.

Construct in Bridge Project I-70-3(69)77 FILE 1-70-77-2416

Construct in Bridge Project I-70-3(69)77 FILE 1-70-77-2416

Sta. 312+13, 10E-W, 13' Lt.
STRUCTURE NO. 597
Remove Existing Manhole &
Remove 72" Pipe.

Sta. 312+05, 10E-W, 4' Rt.
STRUCTURE NO. 598
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 312+32, 10E-W, &
STRUCTURE NO. 599
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 312+42, 10E-W, 20' Lt.
STRUCTURE NO. 600
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 312+50, 10E-W, 40' Lt.
STRUCTURE NO. 600A
Spec. Junction Box &
1' of 72" Pipe Req'd.

Sta. 312+00, 10W-E, 60' Rt.
STRUCTURE NO. 600B
Spec. Junction Box Req'd.

Sta. 310+63, 10W-E, 15' Lt.
STRUCTURE NO. 601
Remove Existing Manhole &
Seal Existing Pipe.

Sta. 313+63, 10W-E, 58' Rt.
STRUCTURE NO. 602
Remove Existing Manhole &
Seal Existing Pipe.

Sta. 313+72, 10E-W, 26' Lt.
STRUCTURE NO. 603
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 313+54, 10E-W, 52' Lt.
STRUCTURE NO. 604
Manhole Type E w/I.S.D. Cast
N° R-1772-C.V.H. Seal 12" Sewer
to South. I-70-3(69)77
FILE 1-70-77-2416

Sta. 315+28, 9N-W, 18' Lt.
STRUCTURE NO. 605
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 315+60, 9N-W, 10' Lt.
STRUCTURE NO. 606
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 315+80, 9N-W, 22' Lt.
STRUCTURE NO. 607
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 316+77, 9N-W, 44' Rt.
STRUCTURE NO. 608
Remove Existing Manhole &
Seal Existing Pipe.

Sta. 318+57, 9N-W, 60' Lt.
STRUCTURE NO. 609
Manhole Type C w/I.S.D.
Cast. N° R-1772-CVH &
210' of 15" Pipe Req'd.

Sta. 316+80, 9N-W, 55' Lt.
STRUCTURE NO. 610
Spec. Inlet Type A w/I.S.D.
Casting No. 2560 E1 &
36' of 12" Pipe Req'd.

Sta. 316+02, 9N-W, 49' Lt.
STRUCTURE NO. 610A
Manhole Type C w/I.S.D.
Cast. N° R-1772-CVH &
16' of 18" Pipe Req'd.

Sta. 315+86, 9N-W, 56' Lt.
STRUCTURE NO. 611
Catch Basin Type A w/I.S.D.
Casting No. 3305 &
12" of 12" Pipe Req'd.

Sta. 316+17, 9N-W, 50' Lt.
STRUCTURE NO. 612
Catch Basin Type A w/
I.S.D. Casting No. 3305 &
14' of 15" Pipe Req'd.

Sta. 31+85, 9N-W, 43' Lt.
STRUCTURE NO. 613
Manhole Type E w/I.S.D.
Cast. N° R-1772-CVH &
51' of 46" Pipe Req'd.

Sta. 315+44, 9N-W, 44' Lt.
STRUCTURE NO. 614
Manhole Type E w/I.S.D.
Cast. N° R-1772-CVH.

Sta. 316+25, 9N-W, 50' Lt.
STRUCTURE NO. 615
Remove Existing Inlet &
Seal Existing Pipes.

Sta. 316+30, 9N-W, 32' Lt.
STRUCTURE NO. 616
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 317+40, 9N-W, 29' Rt.
STRUCTURE NO. 617
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 318+33, 1-70, 171' Lt.
STRUCTURE NO. 618
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 318+26, 1-70, 207' Lt.
STRUCTURE NO. 619
Manhole Type E w/I.S.D.
Cast. N° R-1772-CVH &
268' of 48" Pipe Req'd.

Sta. 318+50, 1-70, 197' Lt.
STRUCTURE NO. 620
Manhole Type E w/I.S.D.
Cast. N° R-1772-CVH &
24' of 48" Pipe Req'd.

Sta. 317+03, 8W-N, 49' Rt.
STRUCTURE NO. 621
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 316+94, 8W-N, 64' Rt.
STRUCTURE NO. 622
Use Exist. Inlet & 40' of 12"
Pipe Req'd. Seal Exist. Pipe

Sta. 319+02, 8W-N, 40' Rt.
STRUCTURE NO. 623
Use Existing Catch Basin
in Place. No Changes Req'd.

Sta. 320+03, 8W-N, 8' Rt.
STRUCTURE NO. 624
Remove Existing Manhole &
Seal Existing Pipe.

Sta. 317+15, 8W-N, 100' Rt.
STRUCTURE NO. 622A
Use Exist. Manhole in Place.

Sta. 322+02, 1-70, 198' Lt.
STRUCTURE NO. 625
Manhole Type E w/I.S.D.
Cast. N° R-1772-CVH.

STRUCTURE NO. 626
DELETED

Sta. 325+68, 9W-N, 42' Rt.
STRUCTURE NO. 627
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 325+56, 9W-N, 41' Rt.
STRUCTURE NO. 628
Remove Existing Catch Basin &
Seal Existing Pipes.

Sta. 325+07, 9W-N, 41' Rt.
STRUCTURE NO. 629
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 325+18, 9W-N, 36' Rt.
STRUCTURE NO. 630
Remove Existing Catch Basin &
Seal Existing Pipes.

Sta. 325+07, 9W-N, 64' Rt.
STRUCTURE NO. 631
Remove Existing Inlet &
Seal Existing Pipes.

Sta. 325+21, 9W-N, 85' Rt.
STRUCTURE NO. 632
Remove Existing Inlet &
Seal Existing Pipes.

Sta. 325+27, 9W-N, 67' Rt.
STRUCTURE NO. 633
Remove Existing Catch Basin &
Seal Existing Pipes.

Sta. 325+35, 9W-N, 50' Rt.
STRUCTURE NO. 634
Remove Existing Manhole

Sta. 325+46, 9W-N, 88' Rt.
STRUCTURE NO. 635
Remove Existing Inlet &
Seal Existing Pipes.

Sta. 325+41, 9W-N, 66' Rt.
STRUCTURE NO. 636
Remove Existing Catch Basin &
Seal Existing Pipes.

Sta. 325+66, 9W-N, 65' Rt.
STRUCTURE NO. 637
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 325+70, 9W-N, 64' Rt.
STRUCTURE NO. 638
Catch Basin Type A w/I.S.D.
Casting No. 3305 &
32' of 12" Pipe Req'd.

Sta. 325+70, 9W-N, 40' Rt.
STRUCTURE NO. 639
Inlet Type A w/
I.S.D. Casting No. 3305 &
24' of 12" Pipe Req'd.

STRUCTURE NO. 640
DELETED

Sta. 318+70, 1-70, 182' Lt.
STRUCTURE NO. 620A
Remove Exist. Inlet &
Seal 12" Pipe

DO NOT BUILD - O

STORM DRAINAGE

INDIANAPOLIS SANITARY DISTRICT FACILITIES

RED. ROAD	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
IND.	IND.	I-70-3(69)77	197	54	

Sta. 315+10, 10W-E, 44' Rt.
STRUCTURE NO. 77
Catch Basin Type E-7 &
44' of 18" Pipe Req'd.

Sta. 315+12, I-70, 212' Dt.
STRUCTURE NO. 78 (M.H.*7)
Manhole Type G-4
352' of 96" Pipe Req'd.
Class "B" Bedding

Sta. 316+50, 8W-N
STRUCTURE NO. 79
90' of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 316+65, 8W-N, Lt.
STRUCTURE NO. 80
Inlet Type D-6 &
of 12" Pipe Req'd.
See I-70-77-5644

Sta. 317+50, I-70
STRUCTURE NO. 81
Inlet Type S-14 &
54' of 12" Pipe Req'd.

Sta. 317+50, I-70, Lt.
STRUCTURE NO. 82
Spec. Inlet Type T-14 &
92' of 12" Pipe Req'd.

Sta. 315+95, 9N-W, Rt.
STRUCTURE NO. 83
Inlet Type D-6 &
of 12" Pipe Req'd.
See I-70-77-5643

Sta. 319+00, 9N-W
STRUCTURE NO. 84
Inlet Type S-14 &
30' of 12" Pipe Req'd.

Sta. 318+50, I-70, Rt.
STRUCTURE NO. 85
Inlet Type S-14 &
66' of 12" Pipe Req'd.

Sta. 319+50, I-70
STRUCTURE NO. 86
Inlet Type S-14 &
120' of 12" Pipe Req'd.

Sta. 319+75, I-70
STRUCTURE NO. 87
Inlet Type E-7 &
122' of 12" Pipe Req'd.

Sta. 320+00, 8W-N, Lt.
STRUCTURE NO. 88
Inlet Type S-14 &
28' of 12" Pipe Req'd.

Sta. 324+60, 9W-N, 30' Lt.
STRUCTURE NO. 89
Inlet Type D-12 &
10' of 15" Pipe Req'd.

Sta. 324+60, 9W-N, 30' Lt.
STRUCTURE NO. 90
Catch Basin Type A-7 &
294' of 30" Pipe Req'd.

Sta. 324+90, 9W-N, Rt.
STRUCTURE NO. 91
Inlet Type M-11 &
56' of 15" Pipe Req'd.

Sta. 324+80, 9W-N, 24' Rt.
STRUCTURE NO. 92
Inlet Type F-7 &
36' of 15" Pipe Req'd.

Sta. 321+99, I-70
STRUCTURE NO. 93
184' of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 323+39, I-70
STRUCTURE NO. 94
184' of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 323+50, I-70
STRUCTURE NO. 95
Inlet Type S-14 &
166' of 12" Pipe Req'd.

Sta. 321+03, I-70, 117' Dt.
STRUCTURE NO. 96
Inlet Type D-12 &
8' of 15" Pipe Req'd.

Sta. 321+03, I-70, 117' Dt.
STRUCTURE NO. 97
Catch Basin Type A-7 &
106' of 36" Pipe Req'd.

Sta. 321+30, 8W-N, Rt.
STRUCTURE NO. 98
Inlet Type S-14 &
14' of 12" Pipe Req'd.

Sta. 321+30, 8W-N, 23' Rt.
STRUCTURE NO. 99
Catch Basin Type E-7 &
18' of 12" Pipe Req'd.

Sta. 321+28, I-70, 219' Dt.
STRUCTURE NO. 100 (M.H.*8)
Manhole Type G-4 &
612' of 96" Pipe Req'd.
Class "B" Bedding

Sta. 322+00, 9W-N, 40' Rt.
STRUCTURE NO. 101
Inlet Type N-12
36' of 15" Pipe Req'd.

Sta. 326+08, 8W-N, Rt.
STRUCTURE NO. 102
Inlet Type D-6 &
of 12" Pipe Req'd.

Sta. 326+00, 8W-N
STRUCTURE NO. 103
of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 326+25, I-70, 115' Rt.
STRUCTURE NO. 104
Catch Basin Type E-7 &
' of 12" Pipe Req'd.

Sta. 325+95, I-70, Rt.
STRUCTURE NO. 105
Inlet Type D-6 &
of 12" Pipe Req'd.

Sta. 325+75, I-70
STRUCTURE NO. 106
of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 327+79, I-70
STRUCTURE NO. 107
of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 327+60, I-70, Rt.
STRUCTURE NO. 108
C.B. Type D-6 &
of 12" F.B.C.P.C.S. Pipe Req'd.

Sta. 327+70, I-70, Lt.
STRUCTURE NO. 109
Inlet Type S-14 &
' of 12" Pipe Req'd.

Sta. 327+83, I-70
STRUCTURE NO. 110
Inlet Type T-14 &
' of 12" Pipe Req'd.

Sta. 327+75, I-70, Rt.
STRUCTURE NO. 111
Inlet Type T-14 &
' of 12" Pipe Req'd.

Sta. 327+40, I-70, 157' Dt.
STRUCTURE NO. 112
Catch Basin Type E-7 &
16' of 12" Pipe Req'd.

Sta. 327+25, I-70, 153' Rt.
STRUCTURE NO. 113
Manhole Type A-4 &
' of 24" Pipe Req'd.

Sta. 327+28, I-70, 202' Rt.
STRUCTURE NO. 114 (M.H.*9)
245' of 96" Pipe Req'd. Connect to
36" Pipe & Manhole in Bridge Proj.
I-70-3(69)77. Class "B" Bedding

Sta. 327+28, I-70, 202' Rt.
STRUCTURE NO. 114A
Manhole Type G-4 &
of 96" Pipe Req'd.

Sta. 328+10, 9W-N, Rt.
STRUCTURE NO. 115
of 6" F.B.C.P.C.S. Pipe Req'd.

Sta. 328+20, 8W-N, 62' Rt.
STRUCTURE NO. 116
Catch Basin Type E-7 &
' of 12" Pipe Req'd.

Sta. 327+20, I-70, 135' Lt.
STRUCTURE NO. 117
Catch Basin Type A-7 &
of 24" Pipe Req'd.
Construct in Bridge
Project I-70-3(69)77.
File I-70-77-5646

Sta. 327+20, I-70, 135' Lt.
STRUCTURE NO. 118
Catch Basin Type E-7 &
18' of 12" Pipe Req'd.

Sta. 330+65, 8N-W, 73' Lt.
STRUCTURE NO. 119
Manhole Type A-4 &
286' of 24" Pipe Req'd.

Sta. 329+25, 8E-N, 50' Rt.
STRUCTURE NO. 120
Manhole Type A-4 &
460' of 24" Pipe Req'd.

Sta. 325+46, 9W-N, 88' Rt.
STRUCTURE NO. 641
Inlet Type A-3 &
24' of 12" Pipe Req'd.

Sta. 325+23, 9W-N, 80' Rt.
STRUCTURE NO. 642
Catch Basin Type A-w/I.S.D.
Casting No. 3305 & 16" of 12" Pipe Req'd.

Sta. 325+35, 9W-N, 66' Rt.
STRUCTURE NO. 643
Manhole Type E w/I.S.D.
Cast. No. R-1772-CVH &
148' of 48" Pipe Req'd.

Sta. 322+12, I-70, 92' Lt.
STRUCTURE NO. 644
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 322+35, 8W-N, 16' Rt.
STRUCTURE NO. 645
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 321+38, 8W-N, 39' Rt.
STRUCTURE NO. 646
Use Existing Inlet in
Place. No Changes Req'd.

Sta. 323+99, 8W-N, 50' Rt.
STRUCTURE NO. 647
Use Existing Inlet in
Place. No Changes Req'd.

Sta. 325+02, I-70, 85' Rt.
STRUCTURE NO. 648
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 325+22, 8W-N, 68' Rt.
STRUCTURE NO. 649
Use Existing Manhole in
Place & of 12" Pipe Req'd.

Sta. 326+62, 8W-N, 54' Rt.
STRUCTURE NO. 650
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 12" Pipe Req'd.

Sta. 326+75, 8W-N, 30' Rt.
STRUCTURE NO. 651
Use Existing Catch Basin in
Place. No Changes Req'd.

Sta. 326+88, 8W-N, 58' Rt.
STRUCTURE NO. 652
Use Existing Catch Basin in
Place. No Changes Req'd.

Sta. 327+42, 8W-N, 4' Lt.
STRUCTURE NO. 653
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 327+58, 8W-N, 16' Rt.
STRUCTURE NO. 654
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 327+50, 8W-N, 40' Rt.
STRUCTURE NO. 654A
Use Existing Catch Basin in
Place. No Changes Req'd.

Sta. 327+38, 8W-N, 13' Rt.
STRUCTURE NO. 655
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 18" Pipe Req'd.

Sta. 327+98, 8W-N, 84' Rt.
STRUCTURE NO. 656
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 15" Pipe Req'd.

Sta. 330+62, 8W-N, 102' Rt.
STRUCTURE NO. 657
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 15" Pipe Req'd.

Sta. 332+03, 8W-N, 100' Rt.
STRUCTURE NO. 658
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 15" Pipe Req'd.

Sta. 333+36, 8W-N, 108' Rt.
STRUCTURE NO. 659
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 15" Pipe Req'd.

Sta. 333+48, 8W-N, 150' Rt.
STRUCTURE NO. 660
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 15" Pipe Req'd.

Sta. 334+11, 8W-N, 121' Rt.
STRUCTURE NO. 661
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 12" Pipe Req'd.

Sta. 334+50, 8W-N, 120' Rt.
STRUCTURE NO. 662
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 12" Pipe Req'd.

Sta. 330+50, 8W-N, 68' Rt.
STRUCTURE NO. 663
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 327+28, 8N-E, 40' Rt.
STRUCTURE NO. 664
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 327+36, 8N-E, 18' Rt.
STRUCTURE NO. 665
Remove Existing Catch Basin
& Seal Existing Pipes.

Sta. 327+55, 8N-E, 55' Rt.
STRUCTURE NO. 666
Remove Existing Inlet &
Seal Existing Pipe.

Sta. 327+89, 8N-E, 58' Rt.
STRUCTURE NO. 667
Remove Existing Catch Basin
& Seal Existing Pipes.

Sta. 327+73, 8N-E, 96' Rt.
STRUCTURE NO. 668
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 329+45, 8N-W, 136' Lt.
STRUCTURE NO. 677A
Use Existing Manhole in Place.

Sta. 334+35, 8N-E, 58' Rt.
STRUCTURE NO. 669
Remove Existing Inlet &
Seal Existing Pipes.

Sta. 334+41, 8N-E, 90' Rt.
STRUCTURE NO. 670
Remove Existing Catch Basin
& Seal Existing Pipes.

Sta. 333+98, 8N-E, 65' Rt.
STRUCTURE NO. 671
Remove Existing Manhole &
Seal Existing Pipes.

Sta. 333+44, 8N-E, 80' Rt.
STRUCTURE NO. 672
Remove Existing Catch Basin
& Seal Existing Pipe.

Sta. 334+56, 8N-E, 47' Rt.
STRUCTURE NO. 673
Remove Existing Catch Basin
& Seal Existing Pipe.

Sta. 326+95, I-70, 75' Lt.
STRUCTURE NO. 674
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
of 18" Pipe Req'd.

Sta. 326+85, I-70, 197' Lt.
STRUCTURE NO. 675
Use Existing Manhole in Place.

Sta. 326+90, I-70, 185' Lt.
STRUCTURE NO. 676
Catch Basin Type A-w/I.S.D. Casting
No. 3305 & 4' of 12" Pipe Req'd.

Sta. 329+51, 8N-W, 136' Lt.
STRUCTURE NO. 677
Catch Basin Type A-w/I.S.D.
Casting No. 3305 & 4' of 12" Pipe Req'd.

Sta. 329+52, 8N-W, 136' Lt.
STRUCTURE NO. 678
Inlet Type A-w/I.S.D. Casting No. 3305 &
4' of 12" Pipe Req'd.

Sta. 329+54, 8N-W, 121' Lt.
STRUCTURE NO. 679
Manhole Type E w/I.S.D. Casting
R-1772-CVH

Sta. 329+50, 8N-W, 103' Lt.
STRUCTURE NO. 680
Remove Existing Inlet

Sta. 329+53, 8N-W, 109' Lt.
STRUCTURE NO. 681
Inlet Type A-w/I.S.D. Casting
No. 3305

Sta. 330+48, 8N-W, 113' Lt.
STRUCTURE NO. 682
Manhole Type E w/I.S.D.
Cast. No. R-1772-CVH &
' of 48" Pipe Req'd.

Sta. 333+76, 8N-W, 40' Lt.
STRUCTURE NO. 683
Manhole Type C w/I.S.D.
Cast. No. R-1772-CVH &
246' of 12" Pipe Req'd.

Sta. 333+53, 8N-W, 10' Lt.
STRUCTURE NO. 684
Remove Existing Catch Basin

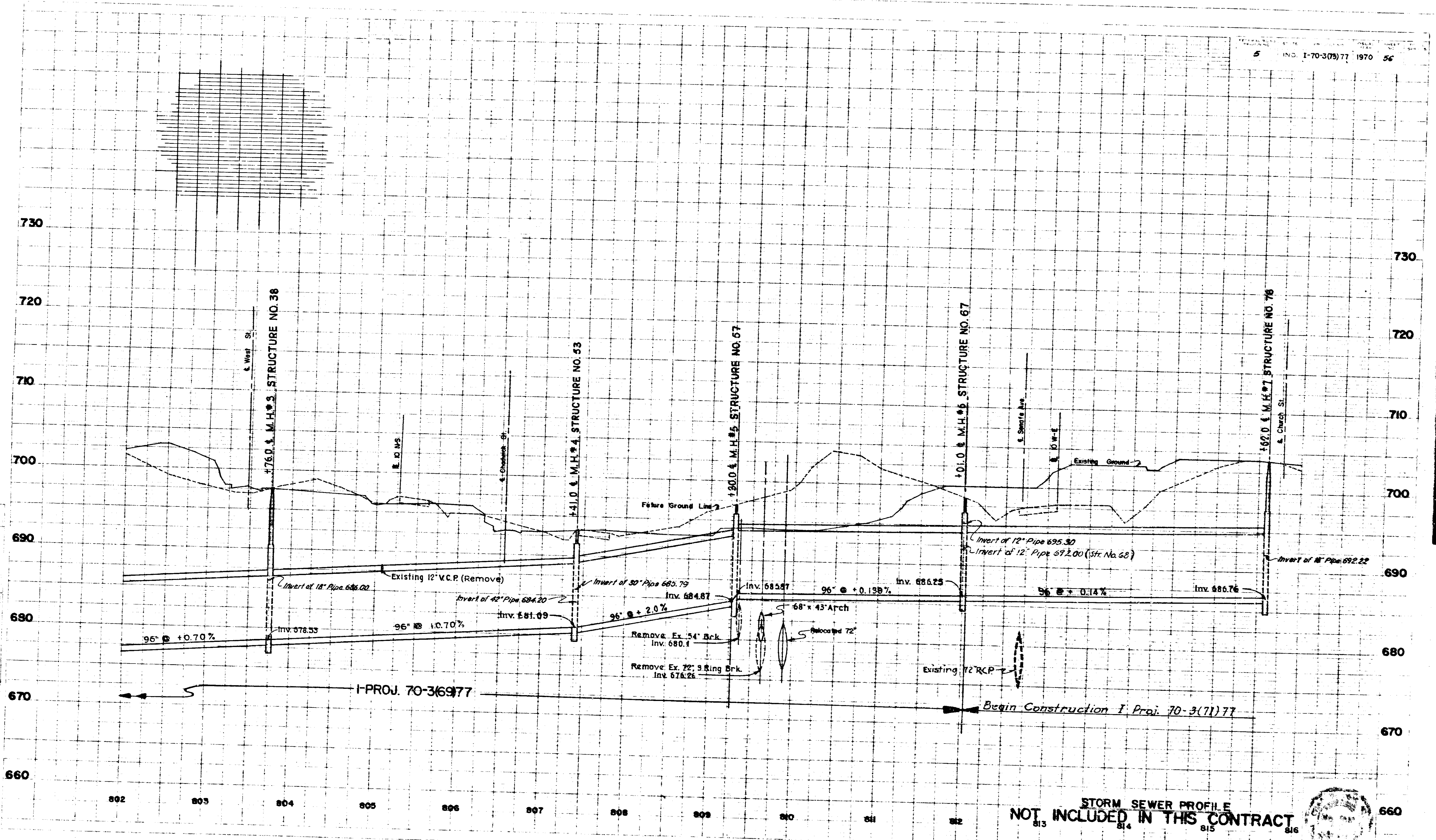
DO NOT BUILD -



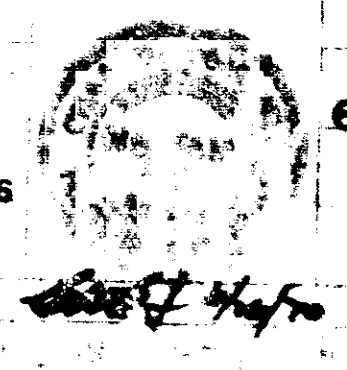
CONSTRUCT IN BRIDGE PROJECT I-70-3(89)77

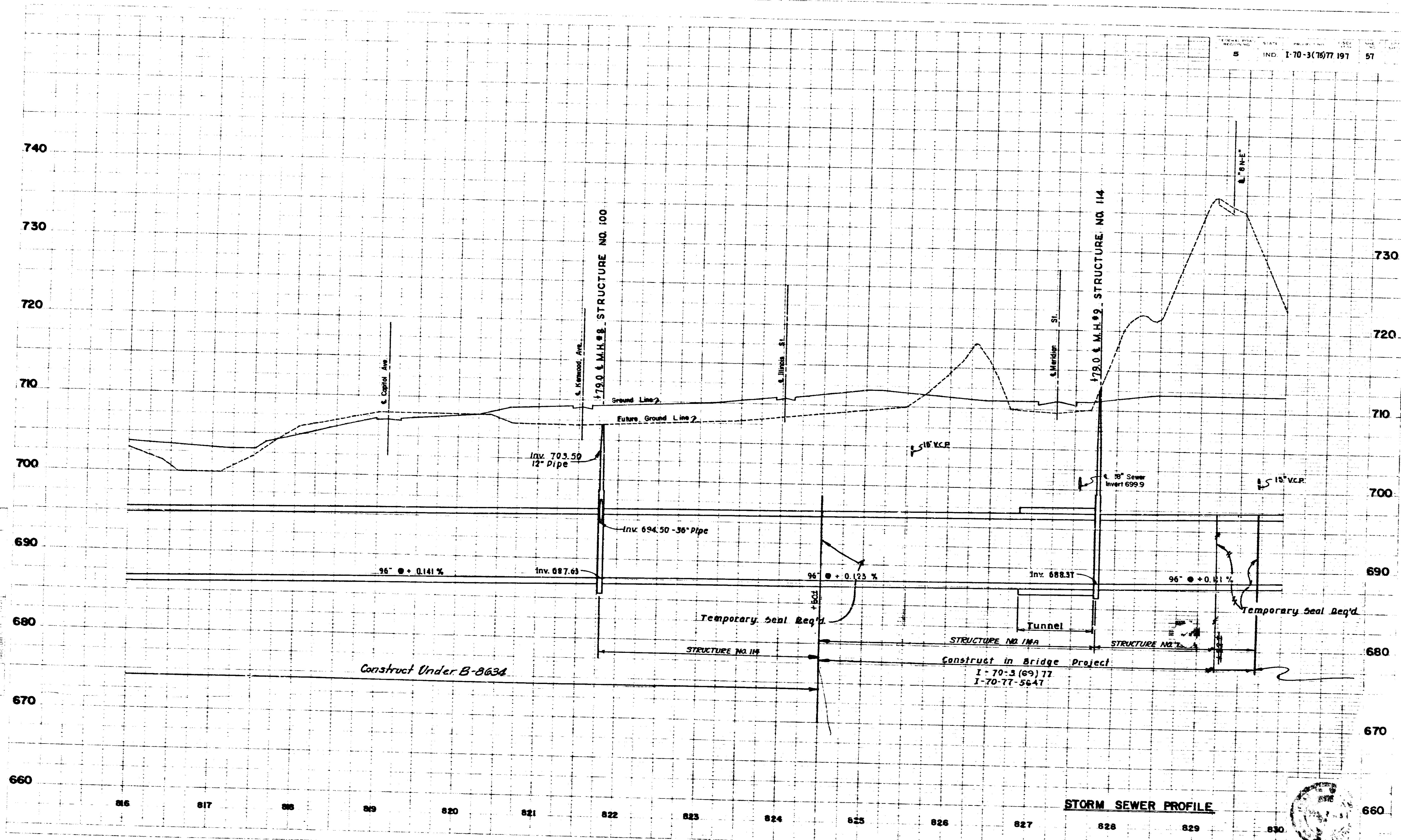
STORM SEWER PROFILE
NOT INCLUDED IN THIS CONTRACT





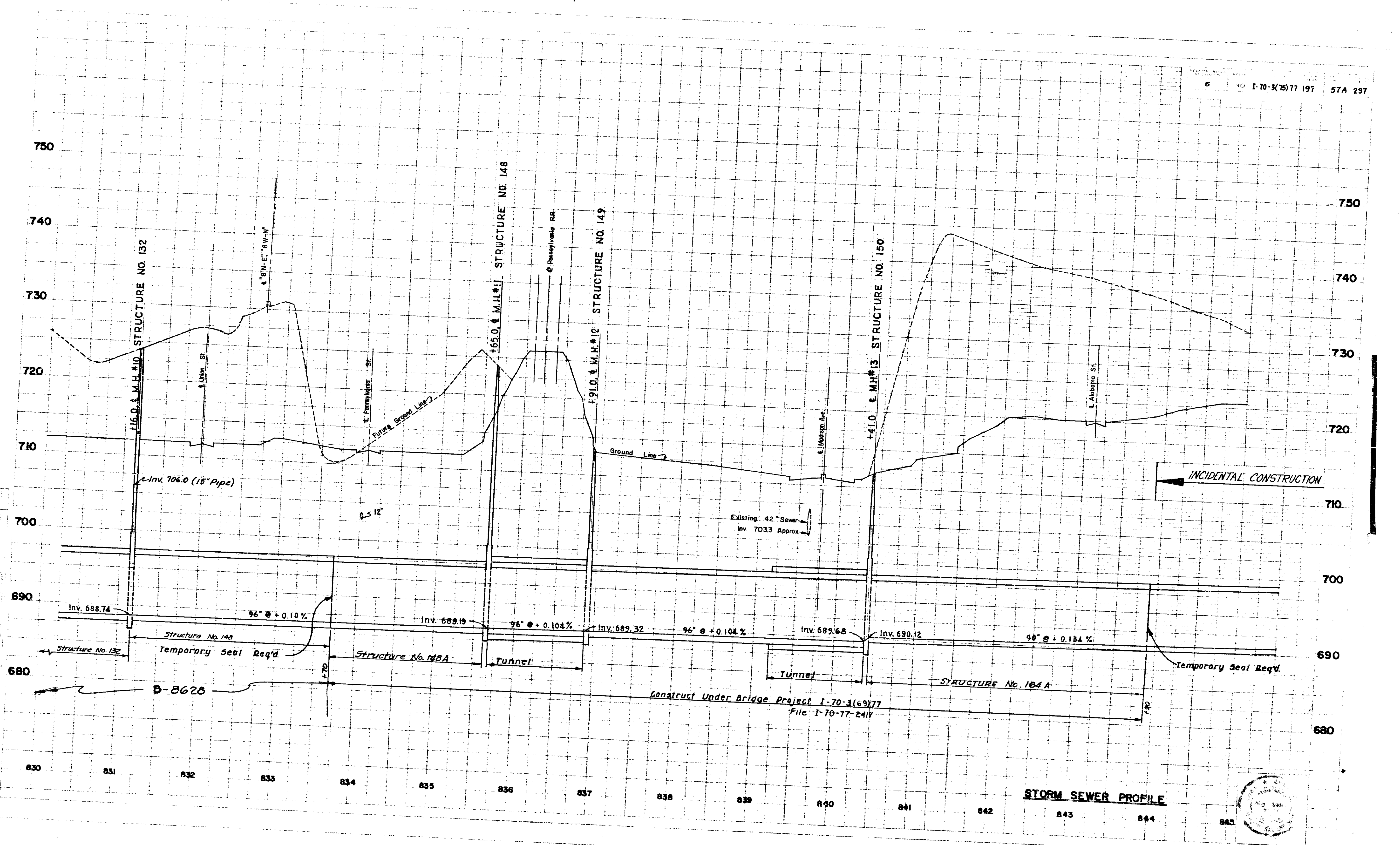
STORM SEWER PROFILE
NOT INCLUDED IN THIS CONTRACT



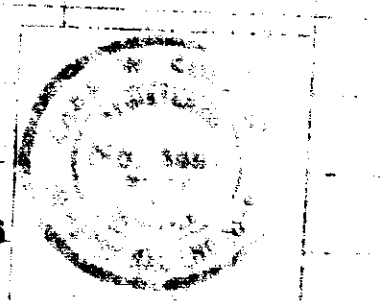


STORM SEWER PROFILE

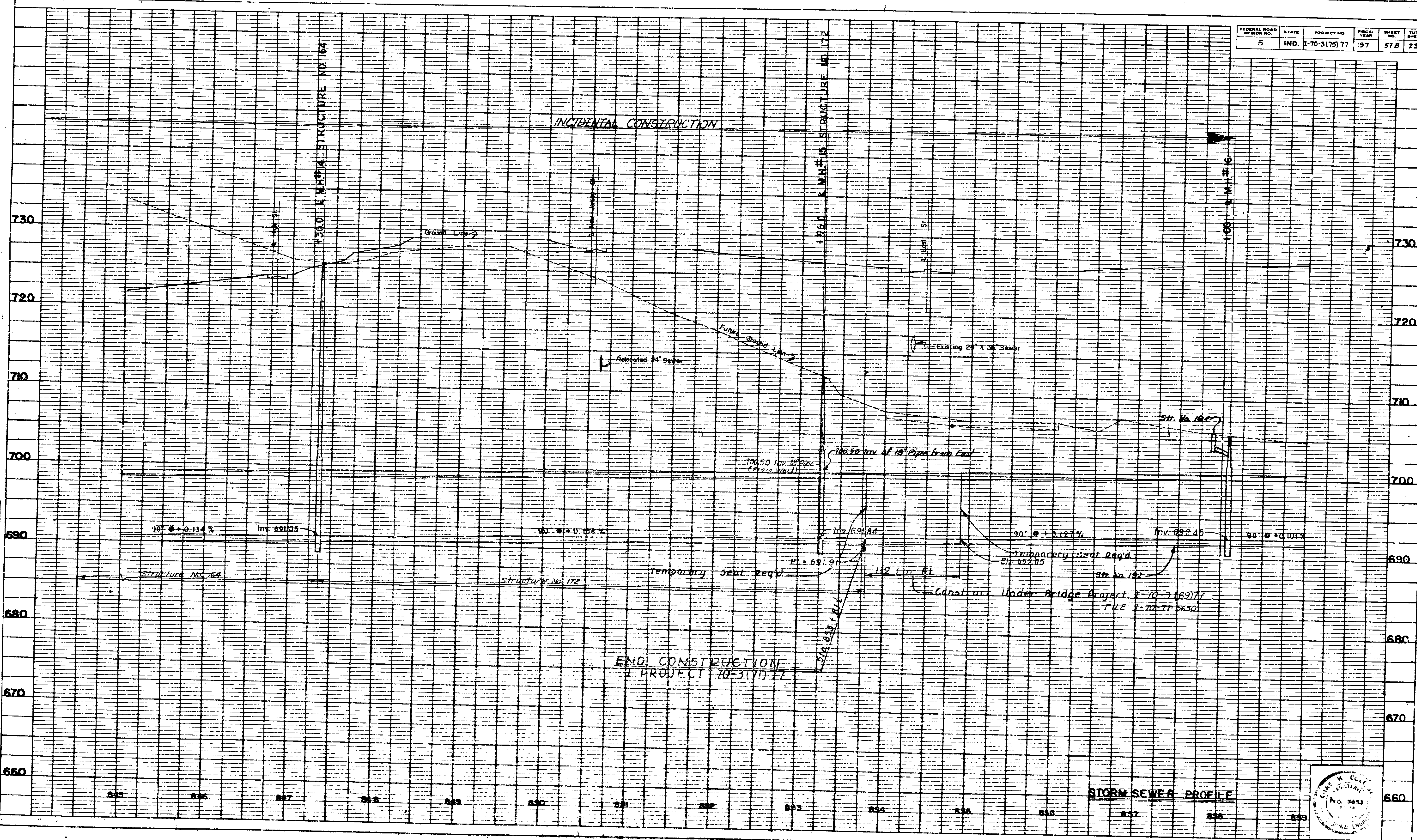




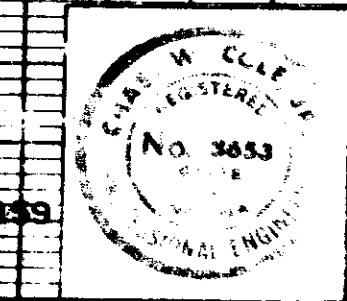
STORM SEWER PROFILE



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	57B	237

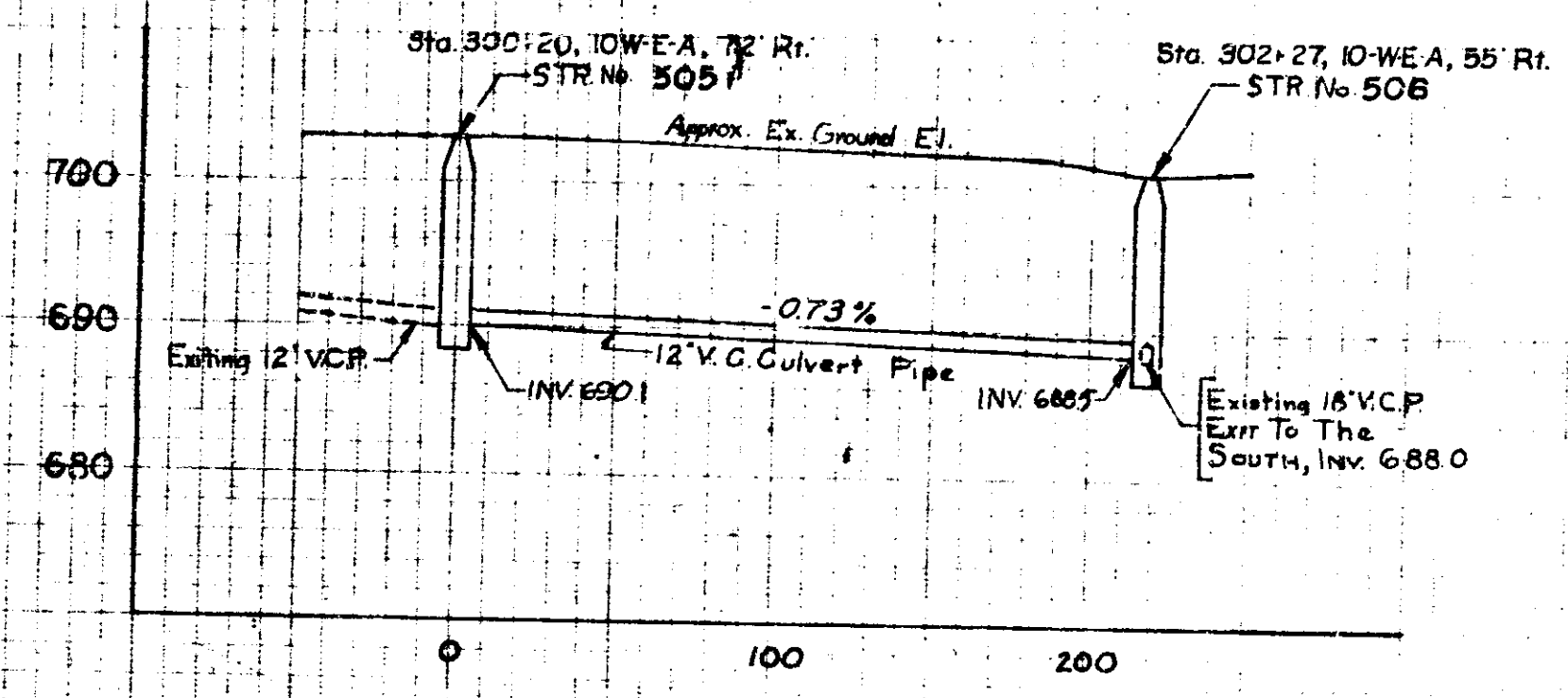


PROFILE
 DRAWING
 CHECKED
 DATE
 STRUCTURE NO. 164

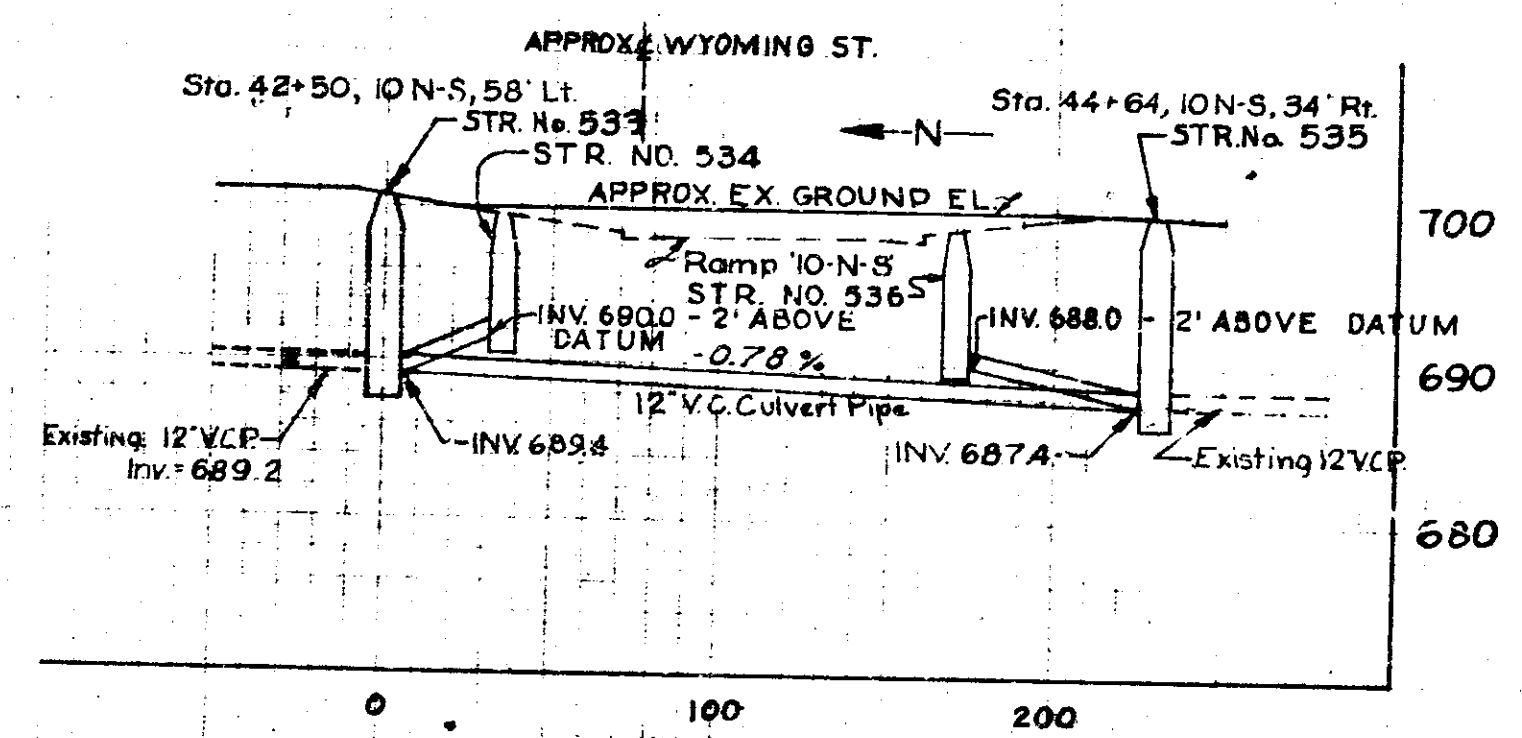


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-70-3(75)77		57B	237

SANITARY SEWER RELOCATIONS

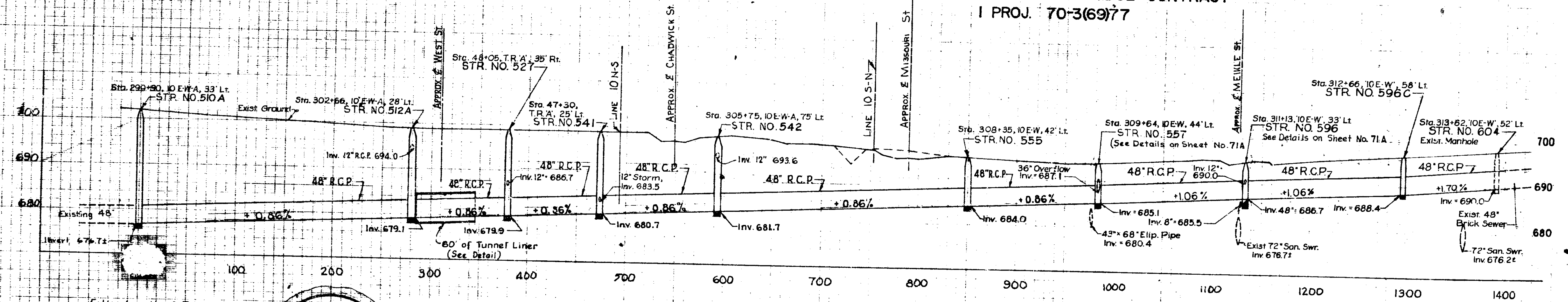


MANHOLE NO. 505 TO 506
(N.W. OF INTERSECTION OF WILKINS & WEST STS.)
See Plan Sheet No. 19

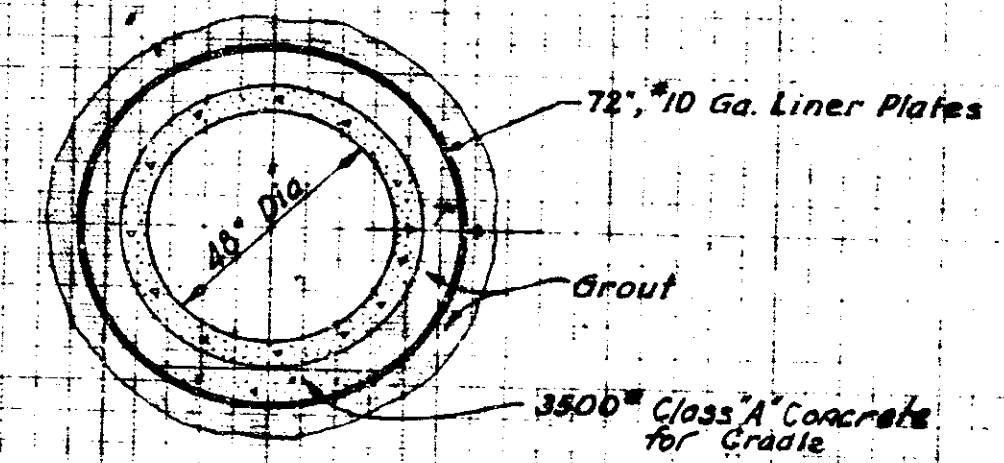


MANHOLE NO. 533 TO 535
(BETWEEN WEST & CHADWICK STS. & CROSSING WYOMING ST.)
See Plan Sheet No. 21

CONSTRUCT UNDER BRIDGE CONTRACT
I PROJ. 70-3(69)77

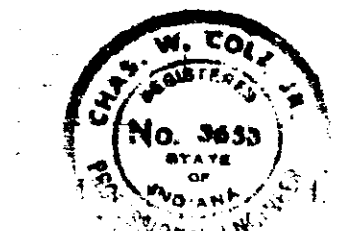


Entire Length of Tunnel shall be Pressure Grouted, using a Cement Sand Grout of one part to five parts. 10% of Liner Plates to have plain pieced Grout Holes for 1/2" pipe.



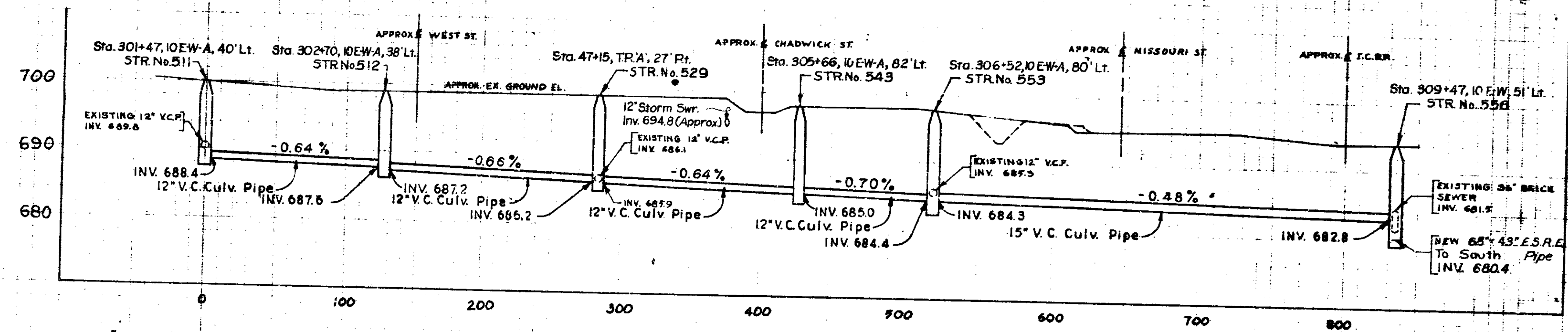
TUNNEL DETAIL CROSS SECTION

MANHOLE NO. 510A TO 604
RAY STREET RELOCATION
See Plan Sheet Nos 19 & 20
CONSTRUCT UNDER BRIDGE CONTRACT
I PROJECT 70-3(69)77



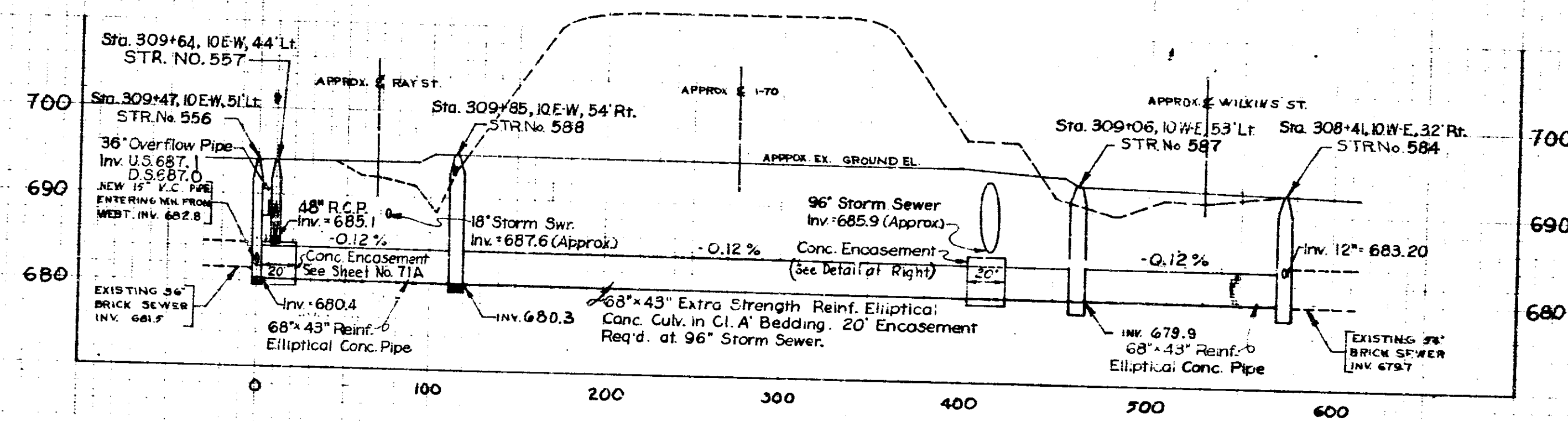
SANITARY & STORM SEWER PROFILES

RAY ST. RELOCATION



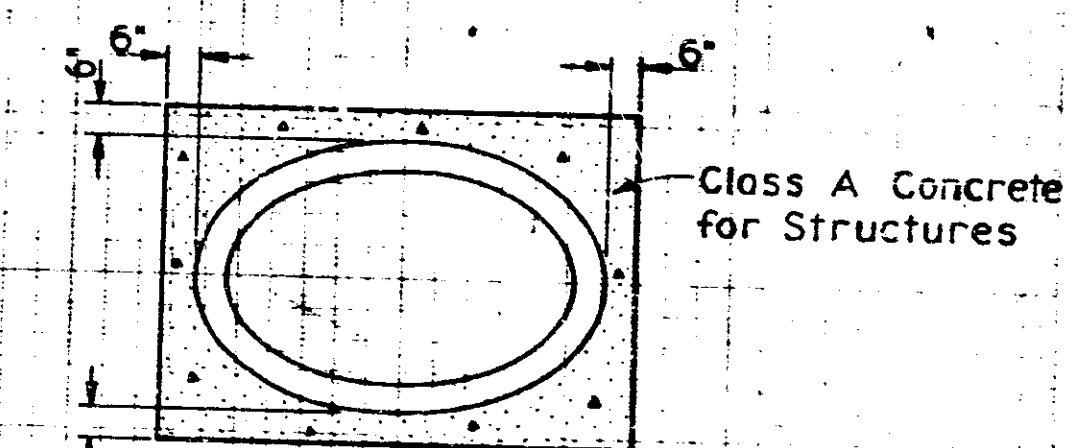
MANHOLE No. 511 TO 556
(FROM WEST ST. TO ILL. CENTRAL TRACKS)
See Plan Sheet Nos. 19 & 20

CONSTRUCT UNDER BRIDGE CONTRACT
I PROJECT 70-3 (69) 77



MANHOLE No. 556 TO 584
(PARALLEL TO ILL. CENTRAL TRACKS)
See Plan Sheet No. 20

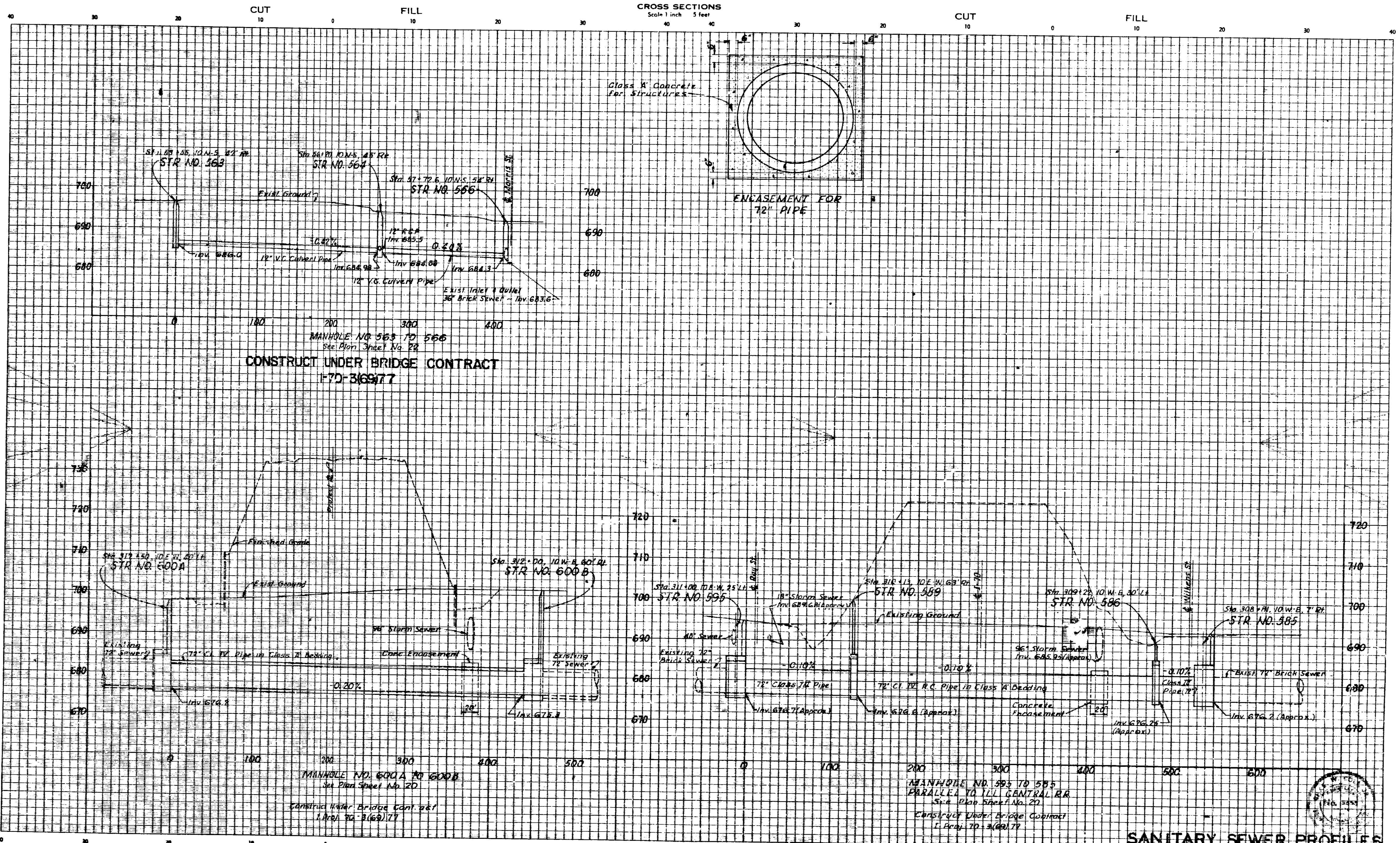
CONSTRUCT UNDER BRIDGE CONTRACT
I PROJECT 70-3 (69) 77



ENCASEMENT
for
68\"/>



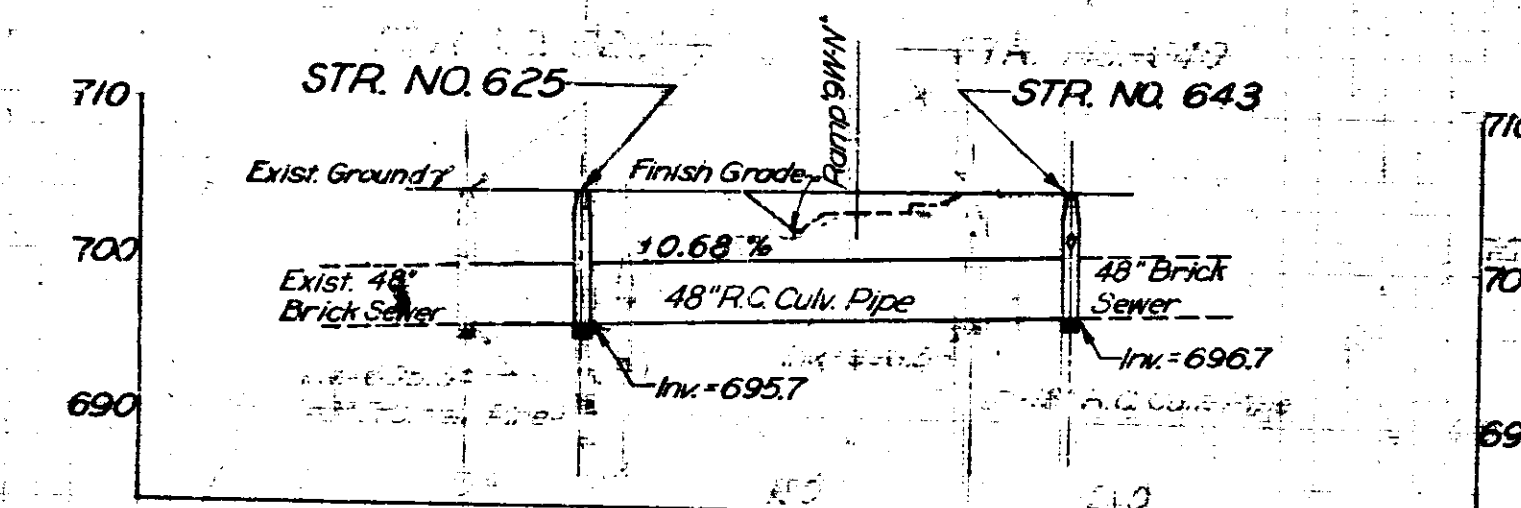
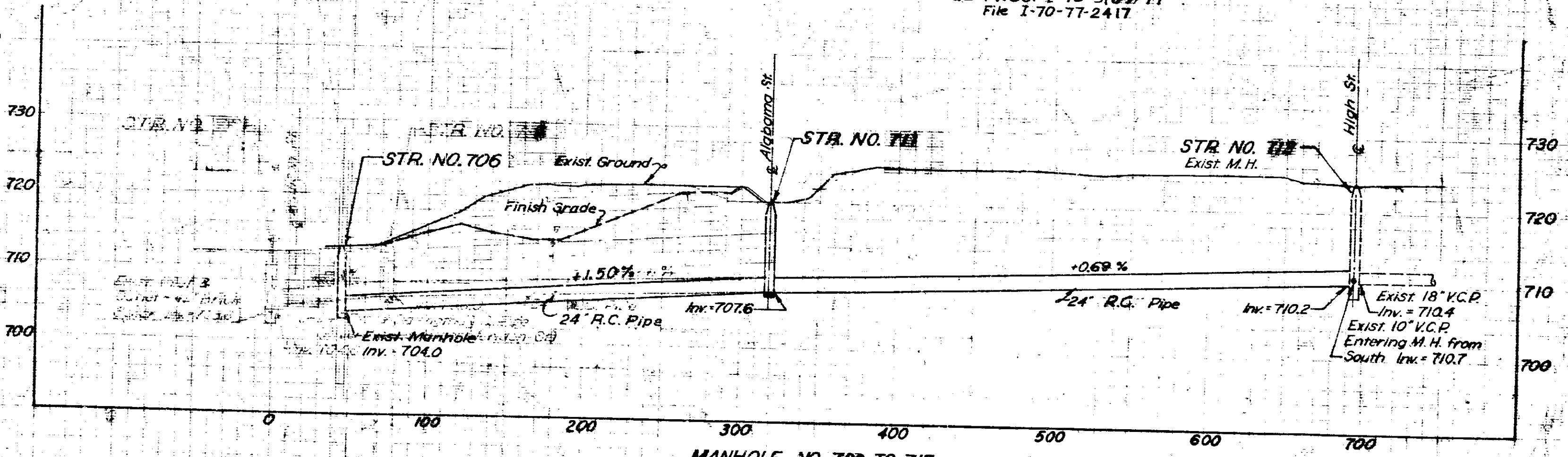
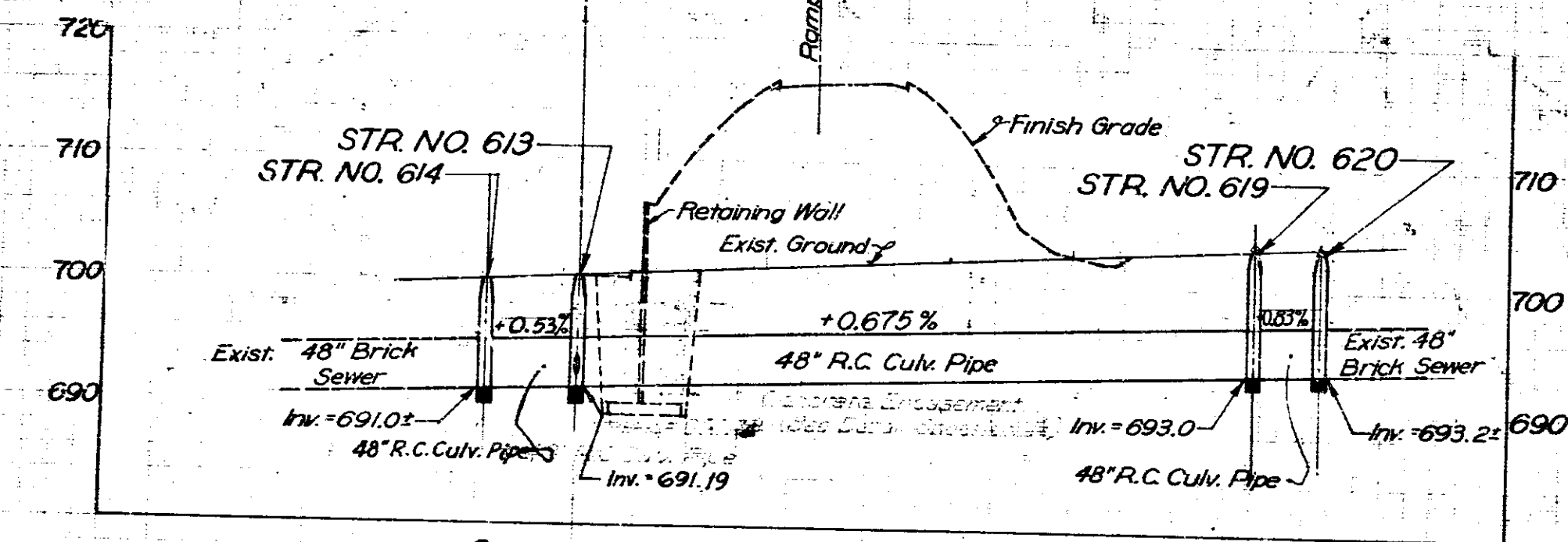
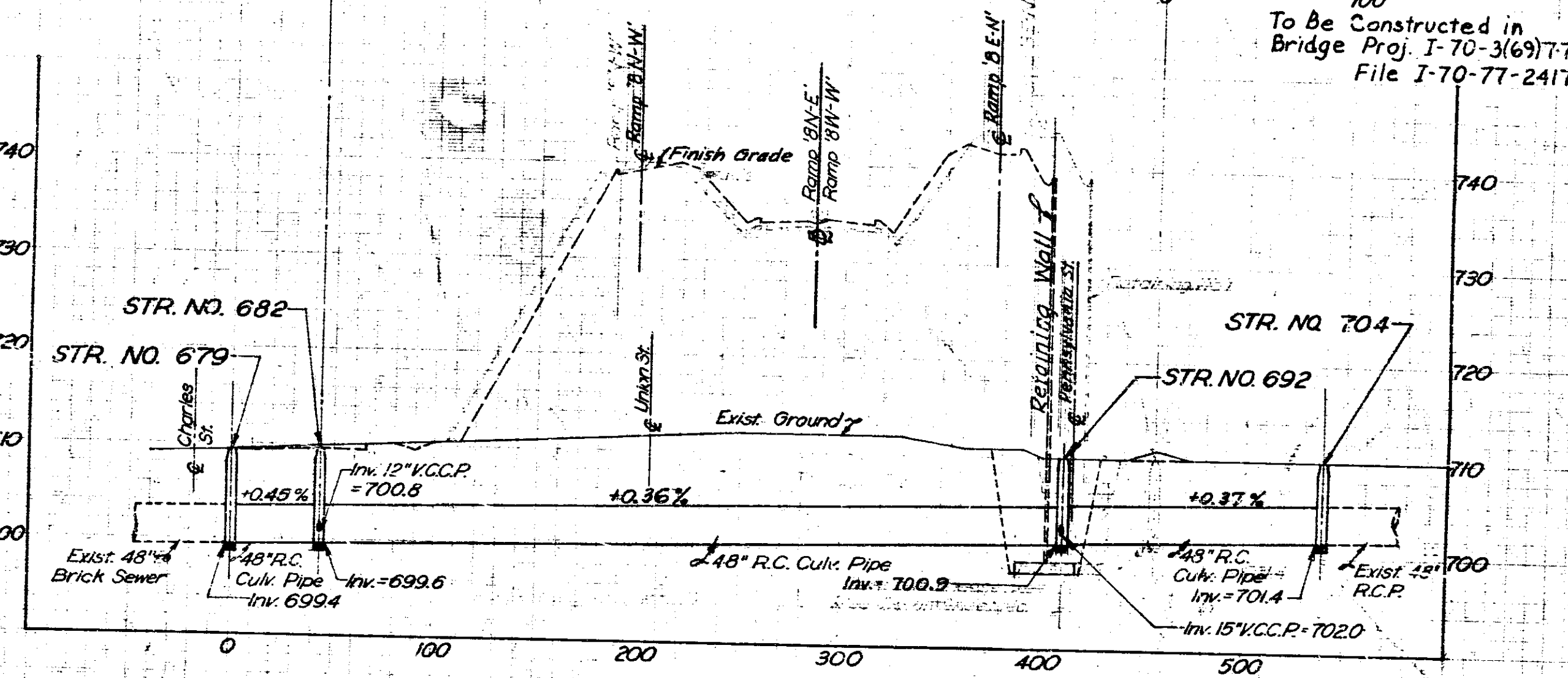
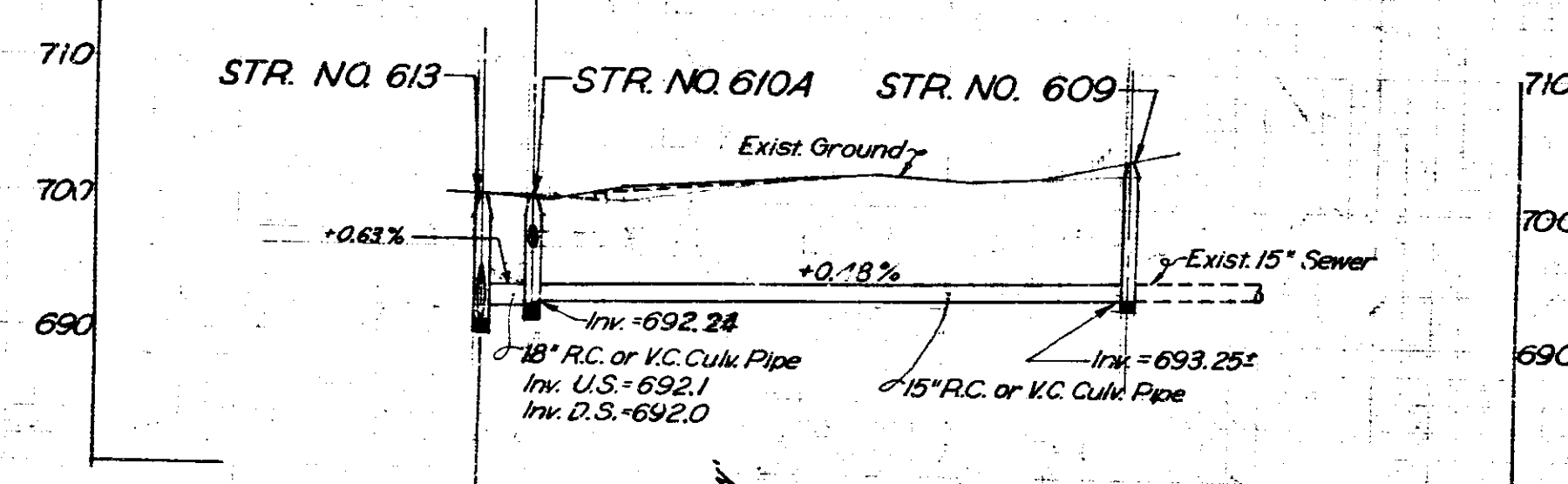
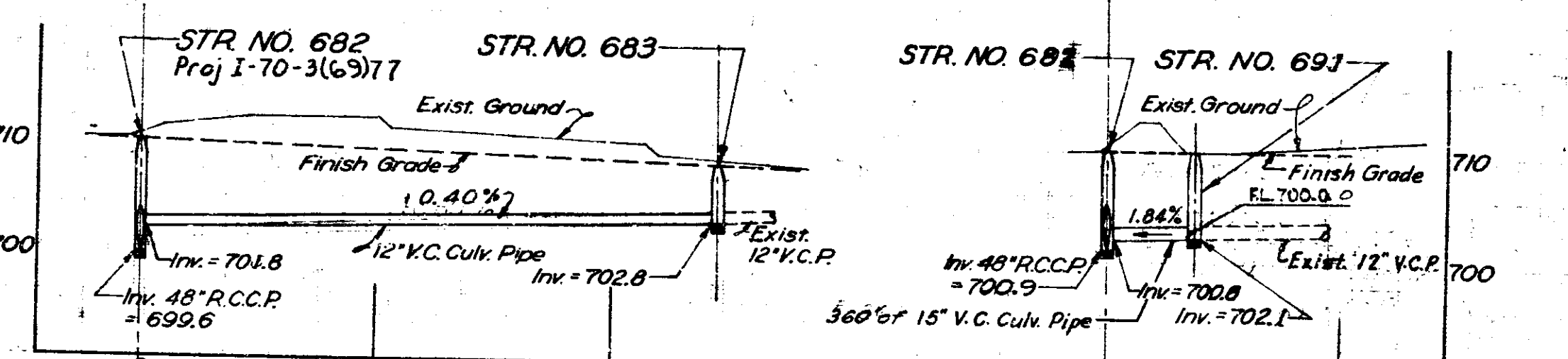
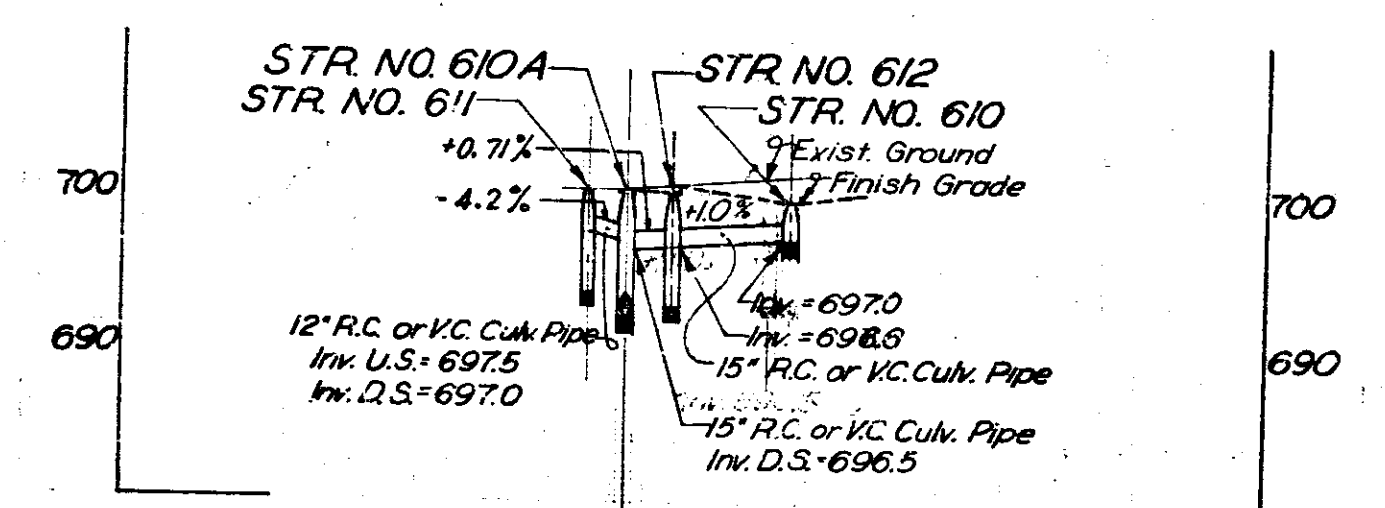
SANITARY SEWER PROFILES



SANITARY SEWER PROFILES

FEDERAL ROAD RECORD NO.	STATE	PROJECT NO.	FISCAL YEAR	FILE SHEET NO.	TOTAL SHEETS
4	IND.	I-70-3(7)77	1970	60	237

LINE

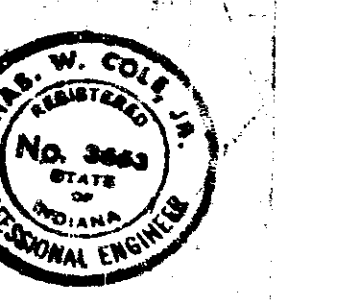


To Be Constructed in
Bridge Proj. I-70-3(69)77
File I-70-77-2417

MANHOLE NO. 679 TO 704
See Plan Sheet No. 23
TO BE CONSTRUCTED IN BRIDGE PROJ. I-70-3(69)77
File I-70-77-2417

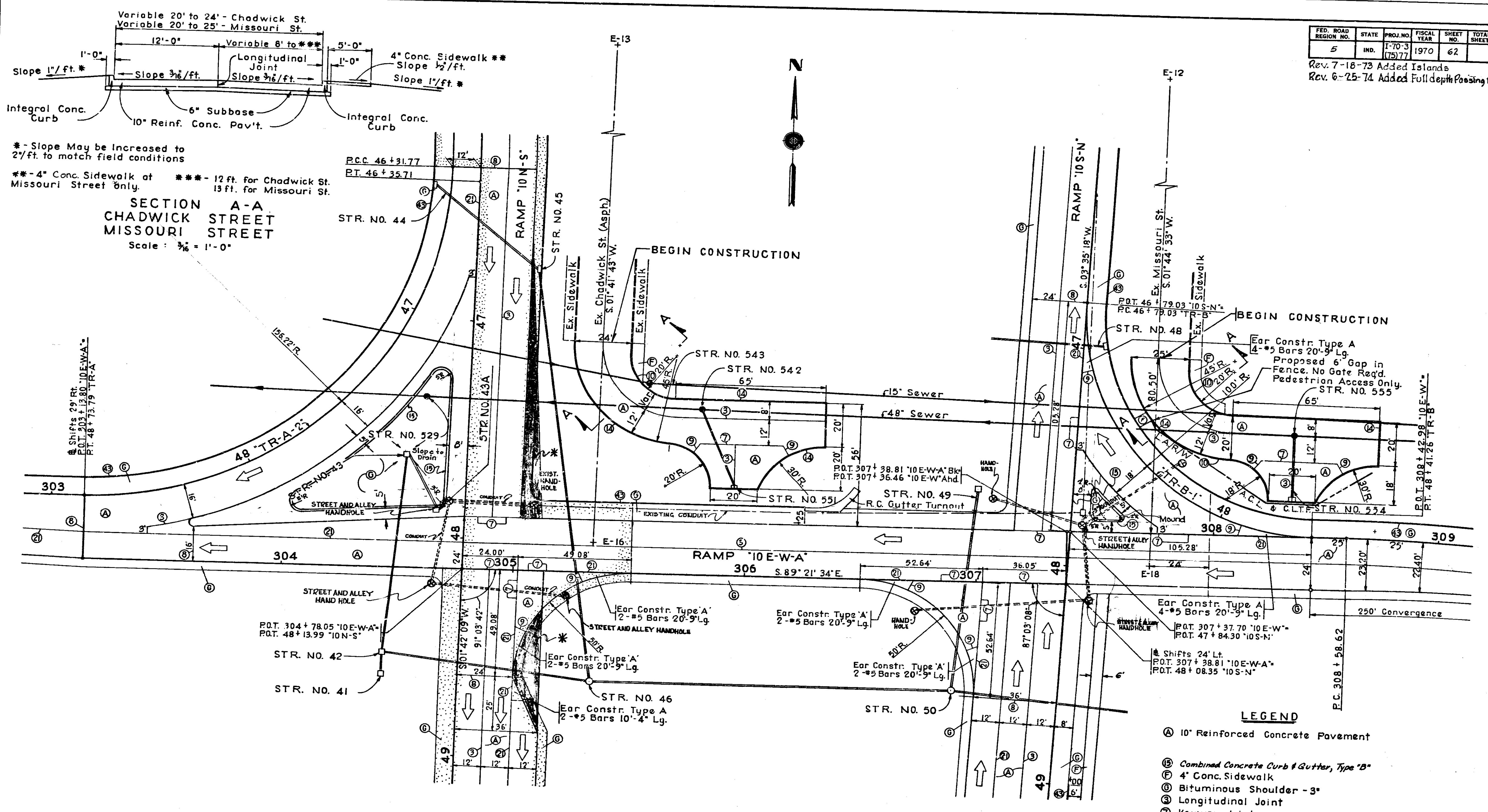
MANHOLE NO. 706 TO 712
See Plan Sheet No. 24

SANITARY SEWER PROFILES



FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	1-70-3 (75)77	1970	62	

Rev. 7-18-73 Added Islands
Rev. 6-25-74 Added Full Depth Passing Blister



**SECTION A-A
CHADWICK STREET
MISSOURI STREET**
Scale: 1/8" = 1'-0"

* - Slope May be Increased to 2%/ft. to match field conditions
** - 4" Conc. Sidewalk at Missouri Street Only. *** - 12 ft. for Chadwick St. 13 ft. for Missouri St.

DETAIL OF INTERSECTION
RAMPS '10E-W-A', '10N-S' & '10S-N'
SCALE: 1" = 20'

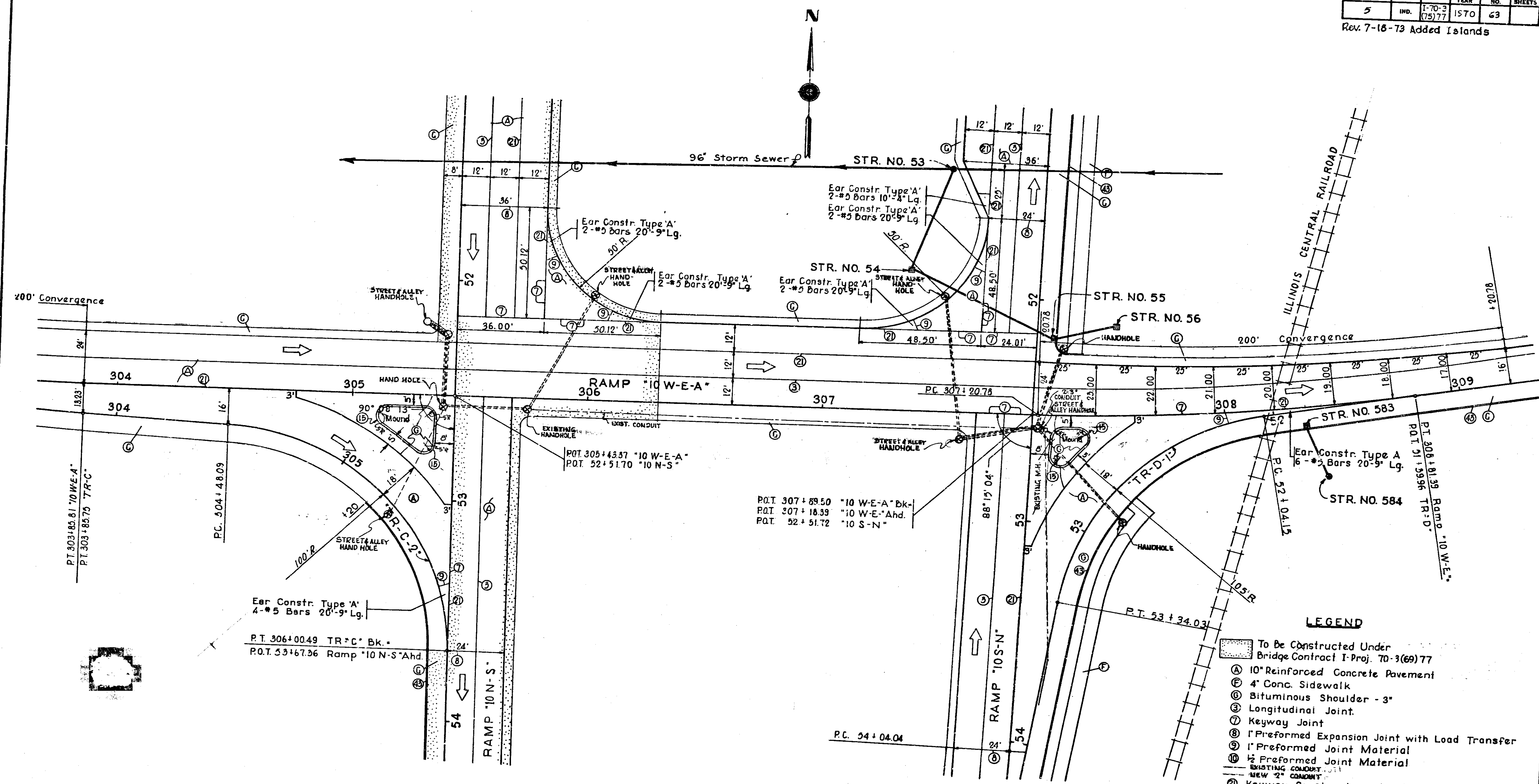
- LEGEND**
- (A) 10" Reinforced Concrete Pavement
 - (B) Combined Concrete Curb & Gutter, Type "B"
 - (C) 4" Conc. Sidewalk
 - (D) Bituminous Shoulder - 3"
 - (E) Longitudinal Joint
 - (F) Keyway Joint
 - (G) 1" Preformed Expansion Joint with Load Transfer
 - (H) 1" Preformed Joint Material
 - (I) 1/2" Preformed Joint Material
 - (J) Integral Concrete Curb
 - (K) EXISTING CONDUIT
 - (L) NEW 2" CONDUIT
 - (M) Keyway Construction Joint
 - (N) Bituminous Curb
 - (O) To Be Constructed Under Bridge Contract 1 Proj. 70-3(69)77

* Full Depth Bitum. Passing Blister

PROJ. LINE	SHEET	FILE
15-375077	62	

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)77	1970	63	

Rev. 7-16-73 Added Islands



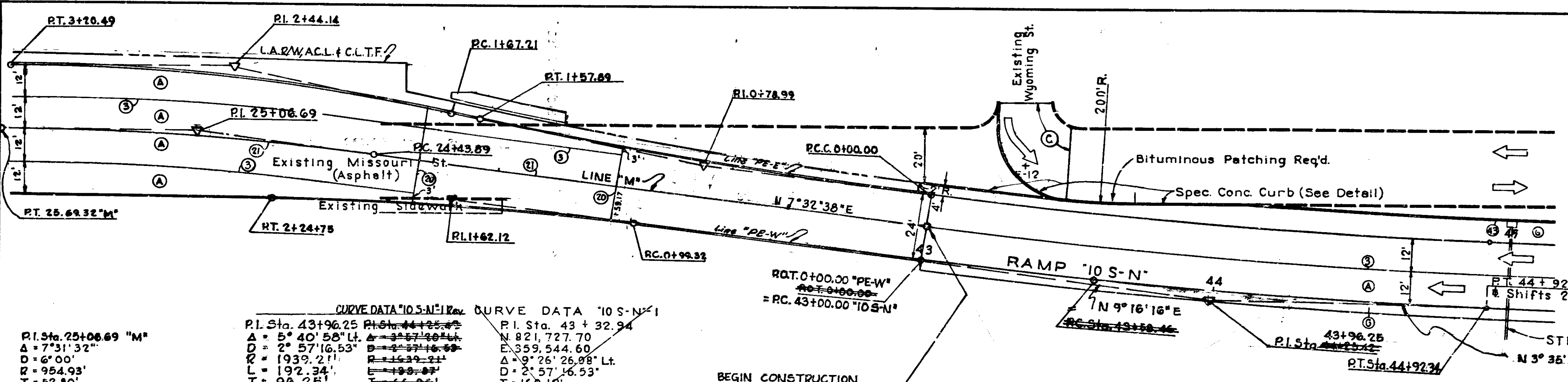
- LEGEND**
- To Be Constructed Under Bridge Contract I-Proj. 70-3(69)77
 - (A) 10" Reinforced Concrete Pavement
 - (F) 4" Conc. Sidewalk
 - (C) Bituminous Shoulder - 3"
 - (3) Longitudinal Joint
 - (7) Keyway Joint
 - (8) 1" Preformed Expansion Joint with Load Transfer
 - (9) 1" Preformed Joint Material
 - (10) 1/2" Preformed Joint Material
 - EXISTING CONDUIT
 - NEW 2" CONDUIT
 - (2) Keyway Construction Joint
 - (3) Bituminous Curb
 - (16) Combined Concrete Curb & Gutter, Type "B"

DETAIL OF INTERSECTION
 RAMPS "10 W-E-A", "10 N-S" & "10 S-N"
 SCALE: 1" = 20'



FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75)77	1970	64	

Rev. 6-21-72 Rev. Radius
 Rev. 11-22-72 Add D.O.T. Const. '105-N'
 Rev. 4-18-73 Curve Data



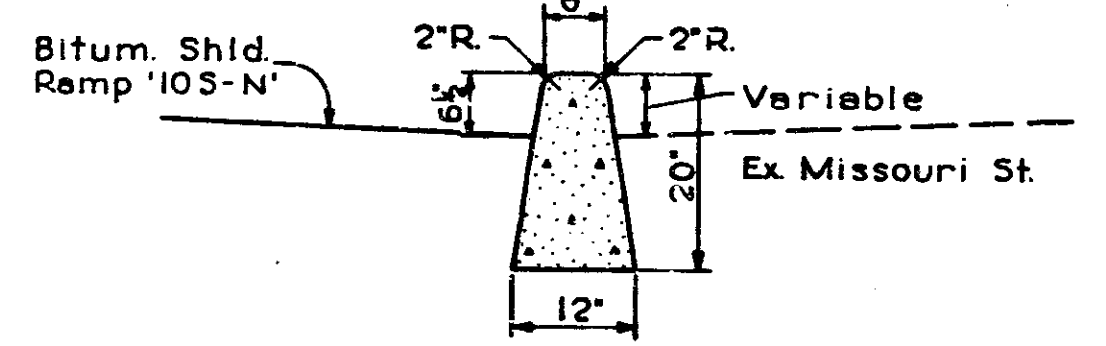
PI Sta. 25+06.69 "M"
 Δ = 7° 31' 32"
 D = 6° 00'
 R = 954.93'
 T = 62.80'
 L = 125.43'
 E = 2.06'

CURVE DATA '10S-N' 1
 PI Sta. 43+96.25
 Δ = 5° 40' 58"
 D = 2° 57' 16.53"
 R = 1939.21'
 T = 192.34'
 L = 125.43'
 E = 2.39'

CURVE DATA '10S-N' 1
 PI Sta. 43+32.94
 N 821,727.70
 E 359,544.60
 Δ = 9° 26' 26.08"
 D = 2° 57' 16.53"
 T = 160.12'
 L = 319.52'
 E = 6.60'
 R = 1939.21'

BEGIN CONSTRUCTION
 PROJECT NO. I-70-3(75)77
 STA. 43+00.00 RAMP '10S-N'
 END CONSTRUCTION
 DOT (1.06-A.26) ST-32-023
 STA. 22+82.16 LINE "M"
BEARING EQUATION
 N 7° 32' 38" E LINE "M"
 N 9° 16' 16" E LINE "10S-N"

**DETAIL OF INTERSECTION
 RAMP '10S-N' & MISSOURI ST.**
 SCALE: 1" = 20'



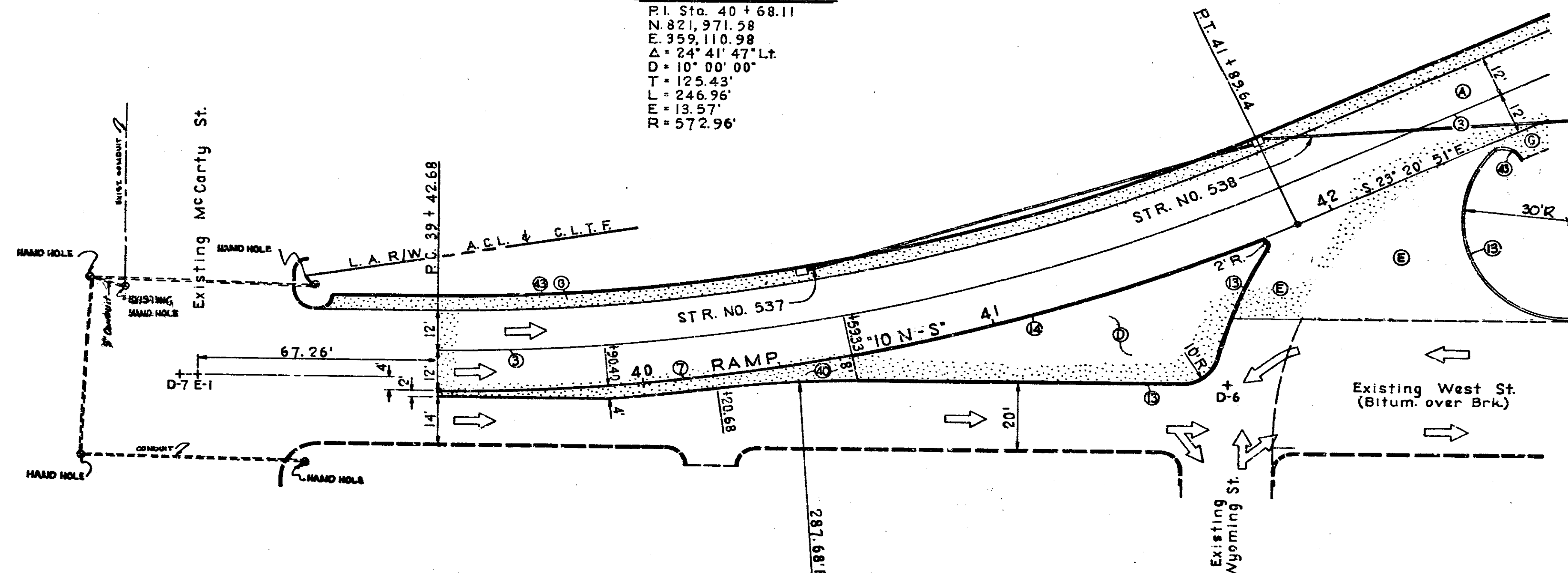
SPEC. CONC. CURB
 SCALE: 3/4" = 1'-0"

PI Sta. 0+78.99 "PE-E"
 Δ = 4° 44' 12"
 D = 3° 00' 00"
 R = 1909.86'
 T = 78.99'
 L = 157.89'
 E = 1.63'

PI Sta. 2+44.14 "PE-E"
 Δ = 12° 15' 44"
 D = 5° 00' 00"
 R = 716.20'
 T = 76.93'
 L = 153.26'
 E = 4.12'

PI Sta. 1+62.12 "PE-W"
 Δ = 7° 31' 32"
 D = 6° 00' 00"
 R = 954.93'
 T = 62.80'
 L = 125.43'
 E = 2.06'

CURVE DATA '10N-S' 1
 PI Sta. 40+68.11
 N 821,971.58
 E 359,110.98
 Δ = 24° 41' 47"
 D = 10° 00' 00"
 T = 125.43'
 L = 246.96'
 E = 13.57'
 R = 572.96'

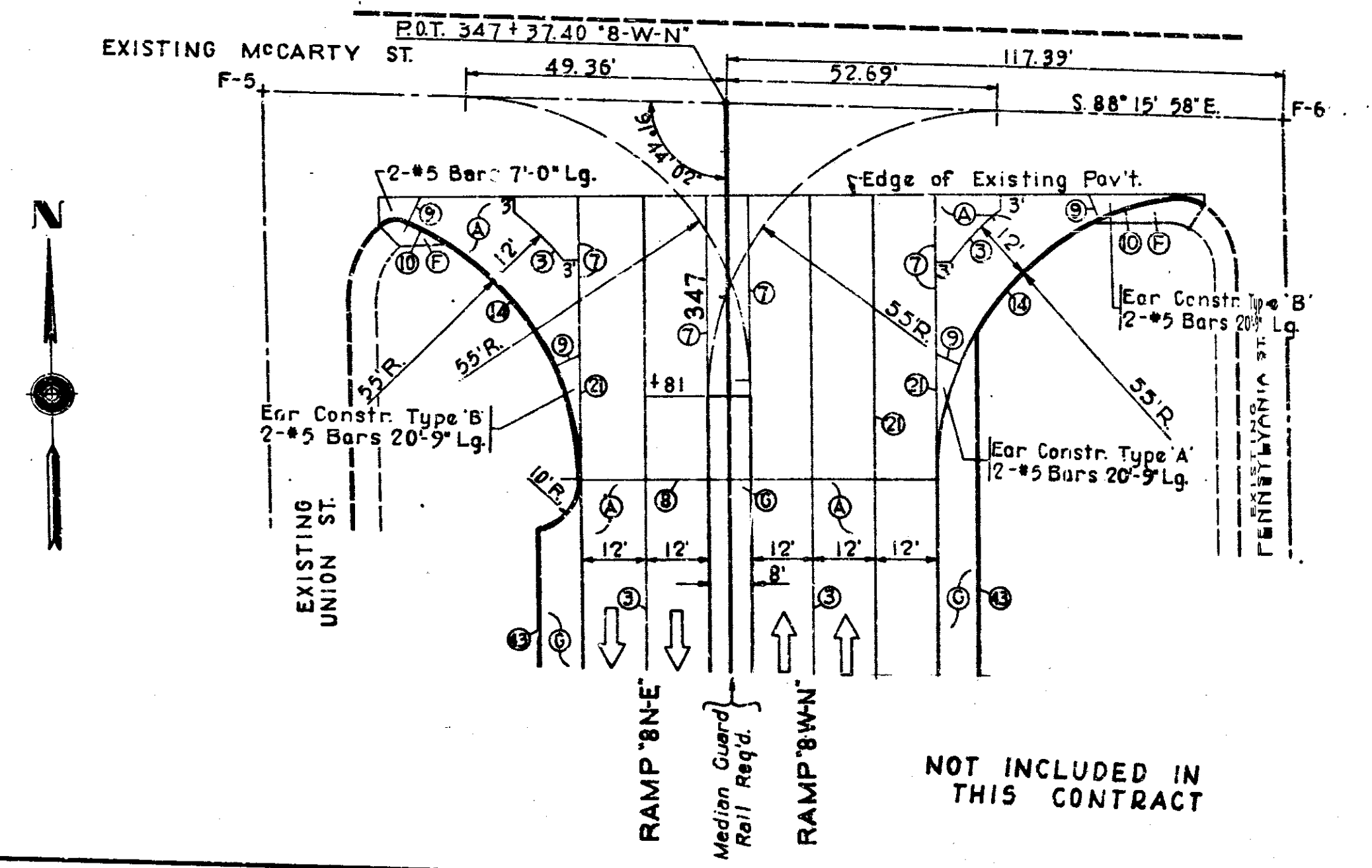
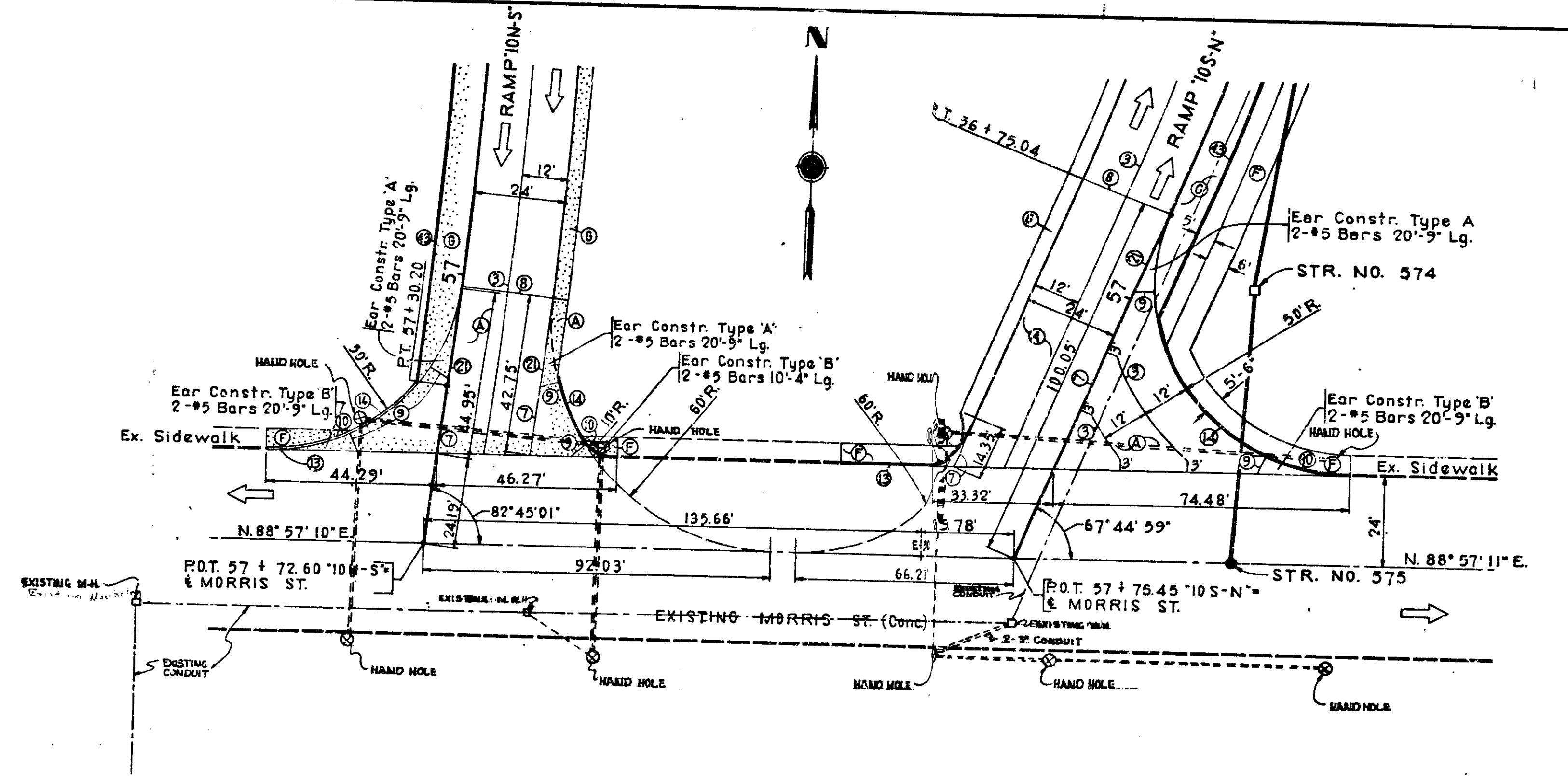


**DETAIL OF INTERSECTION
 RAMP '10N-S' & WEST ST.**
 SCALE: 1" = 20'

- LEGEND**
- Ⓐ 10' Reinforced Concrete Pavement
 - Ⓑ 2" Bituminous Surface (220# H.A.C. Surface Type B) on 4" Type P Comp. Agg. Base.
 - Ⓒ 430# Bituminous Pavement on 3" Type P Compacted Aggregate Base
 - Ⓓ Bituminous Shoulder - 3"
 - Ⓔ Longitudinal Joint
 - Ⓕ Concrete Curb
 - Ⓖ Integral Concrete Curb
 - Ⓗ Concrete Center Curb Type D-6'
 - Ⓘ Bituminous Curb
 - Ⓣ Keyway Joint
 - Ⓚ To Be Constructed Under Bridge Contract I Proj. 70-3(69)77
 - Ⓛ 90% Syd H.A.C. Surface Type B' on 240# Syd H.A.C. Base on 9" Type P Comp. Agg. Base
 - Ⓜ 90% Syd H.A.C. Surface Type III on 240# Syd H.A.C. Base on 9" Type P Comp. Agg. Base

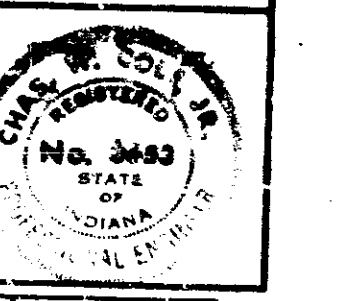
PROJ.	LINE	SHEET	FILE
1-70-3	77	64	

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	70-3	1970	65	
		(75)177			

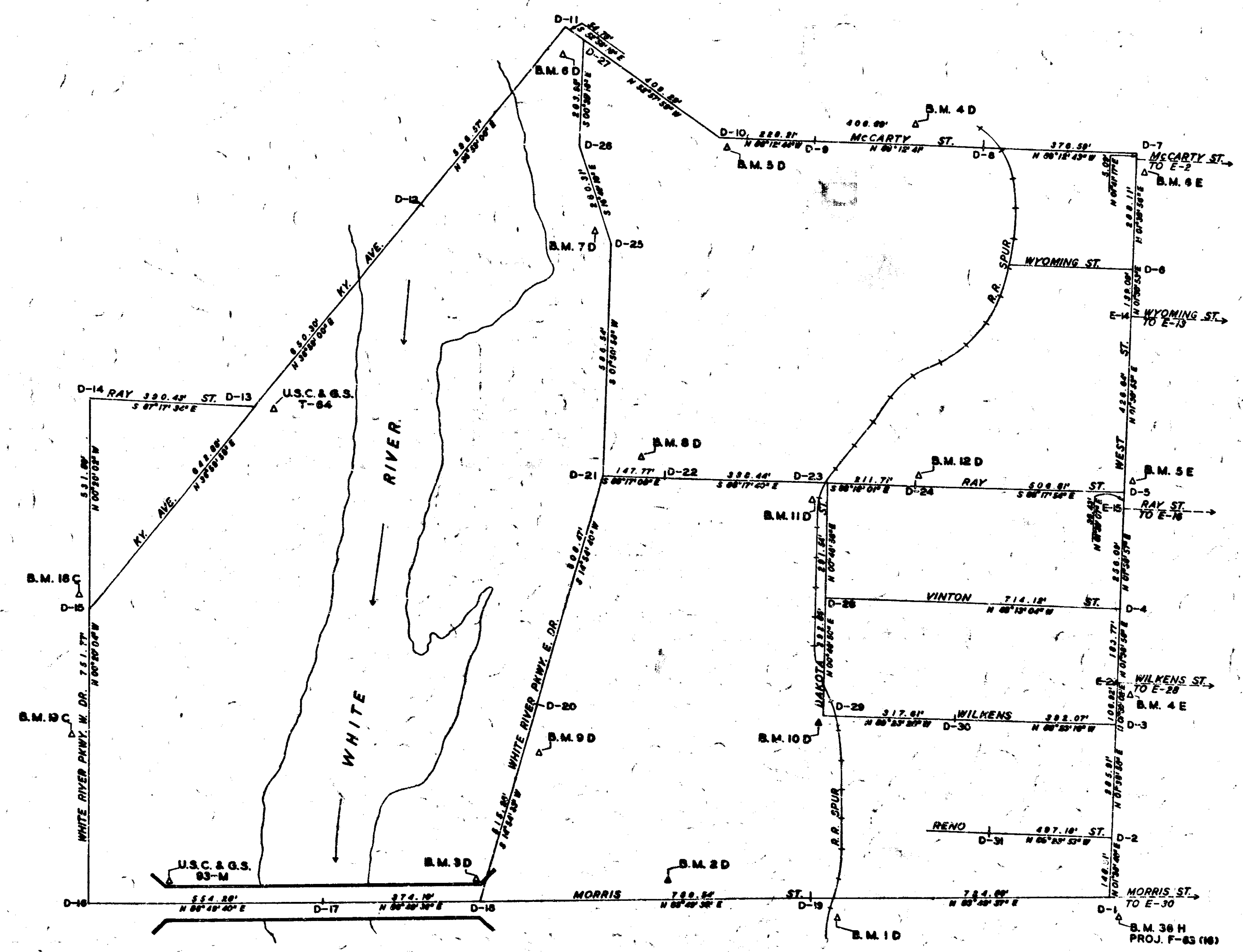


- LEGEND**
- Ⓐ 10" Reinforced Concrete Pavement
 - Ⓒ 4" Conc. Sidewalk
 - Ⓓ Bituminous Shoulder-3'
 - Ⓔ Longitudinal Joint
 - Ⓕ Keyway Joint
 - Ⓖ 1' Preformed Expansion Joint with Load Transfer
 - Ⓗ 1' Preformed Joint Material
 - Ⓘ 1/2' Preformed Joint Material
 - Ⓜ Concrete Curb
 - Ⓝ Integral Concrete Curb
 - Ⓟ Keyway Construction Joint
 - EXISTING CONDUIT
 - - - NEW 2" CONDUIT
 - Ⓢ Bituminous Curb
 - ▨ To be Constructed Under Bridge Contract I Proj. 70-3(69)77

DETAIL OF INTERSECTION
 RAMPS 10N-S, 10S-N & MORRIS ST.
 RAMPS 8N-E, 8W-N & MCCARTY ST.
 SCALE: 1" = 20'



PROJ.	LINE	SHEET	FILE
70-3(69)77		65	

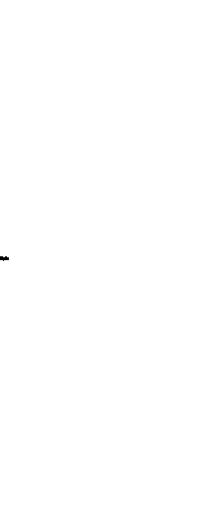
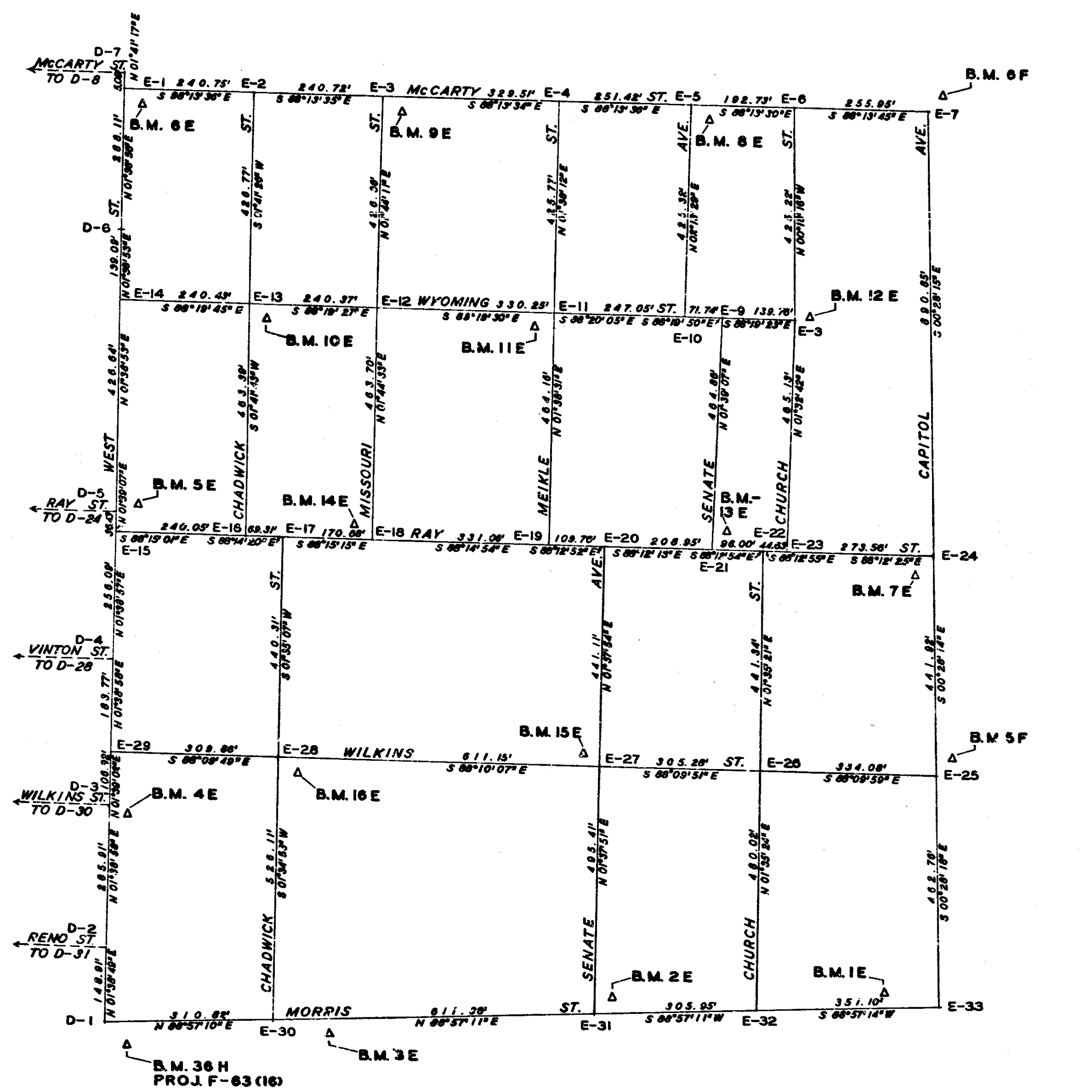


LEGEND
 ▲ BENCH MARK
 TRAVERSE SEC. D
 SCALE: 1"=150'



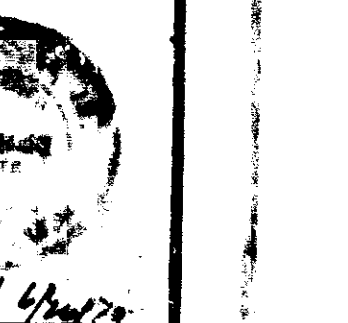
November 6, 1941

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
1-70-3(75177)		66	257	



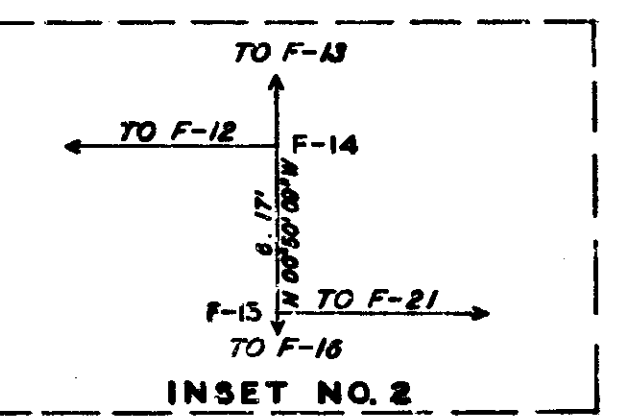
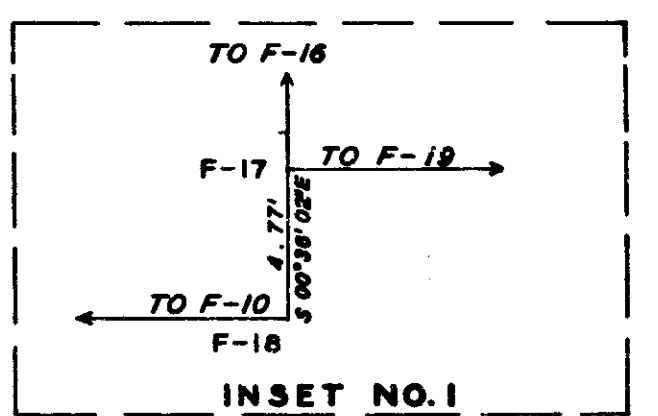
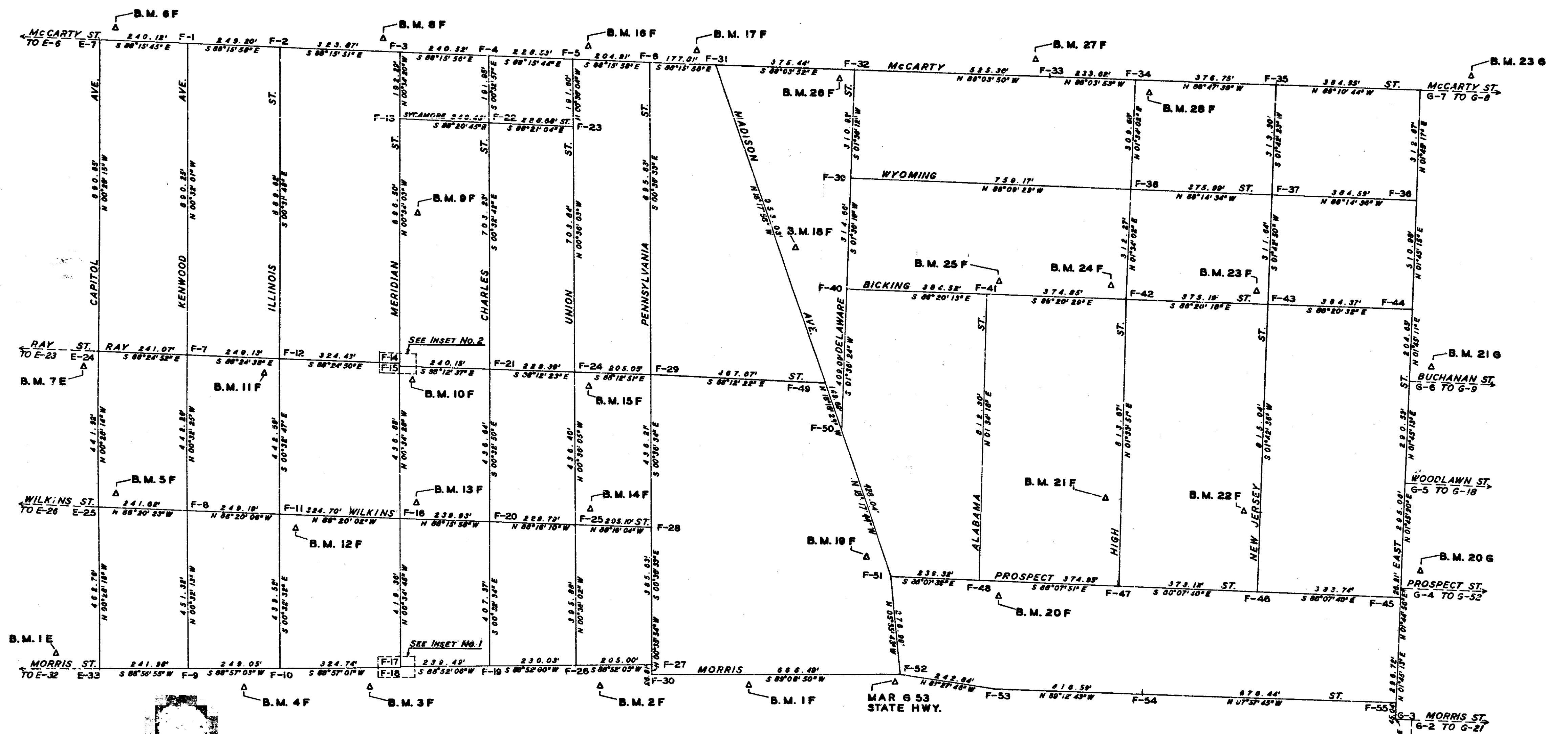
LEGEND
 ▲ BENCH MARK

TRAVERSE SEC. E
 SCALE 1"=150'



November 6, 1961

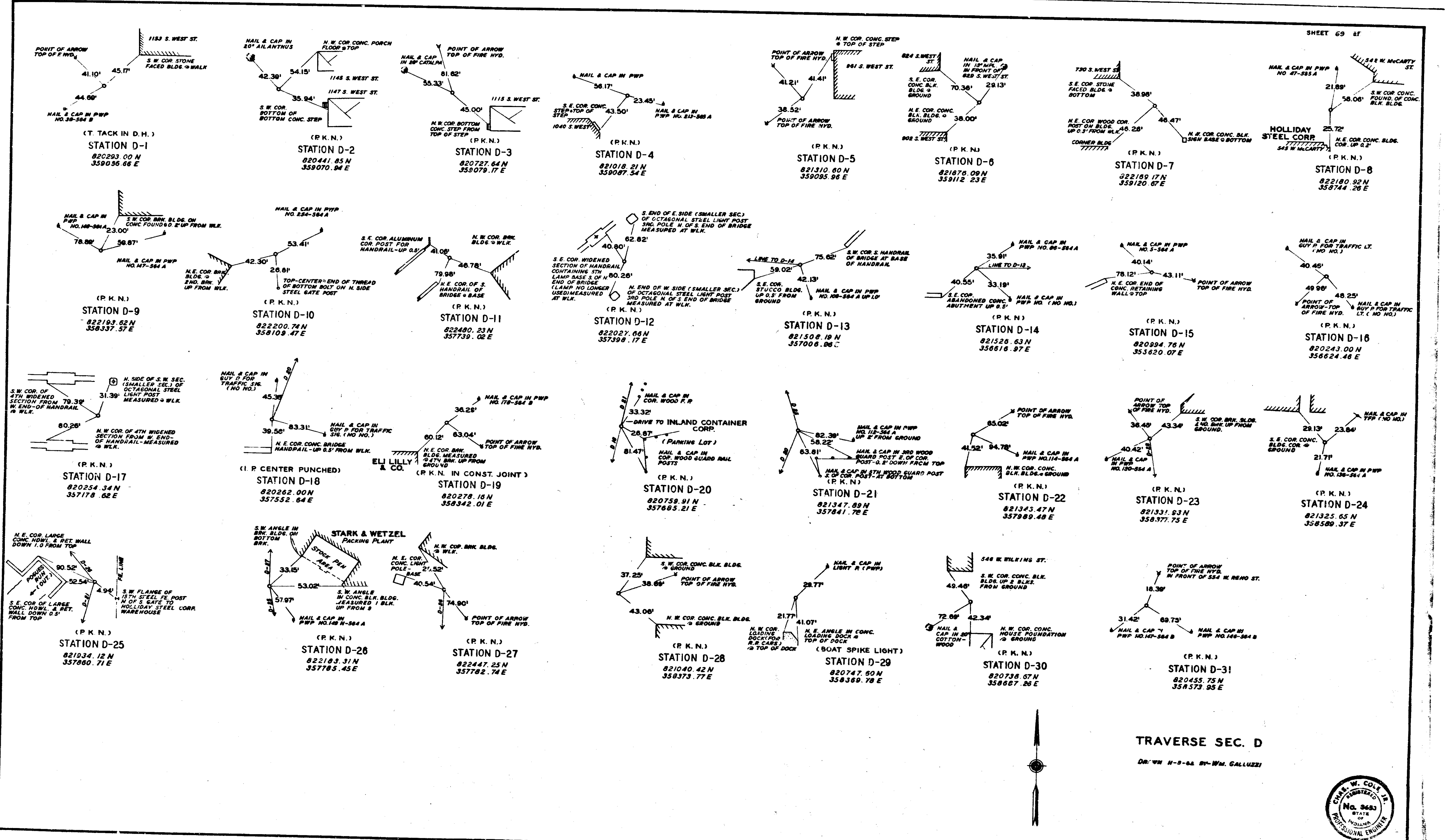
PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(79)77		67	237	



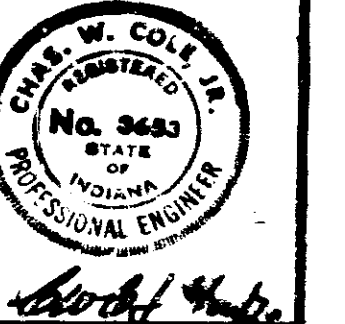
LEGEND
 ▲ BENCH MARK
 TRAVERSE SEC. F
 PROJ. I-70-3
 SCALE 1"=150'

November 6, 1961

PROJECT NO.	LIN.	SHEET	TOTAL SHEETS	FILE
I-70-370175	66	237		

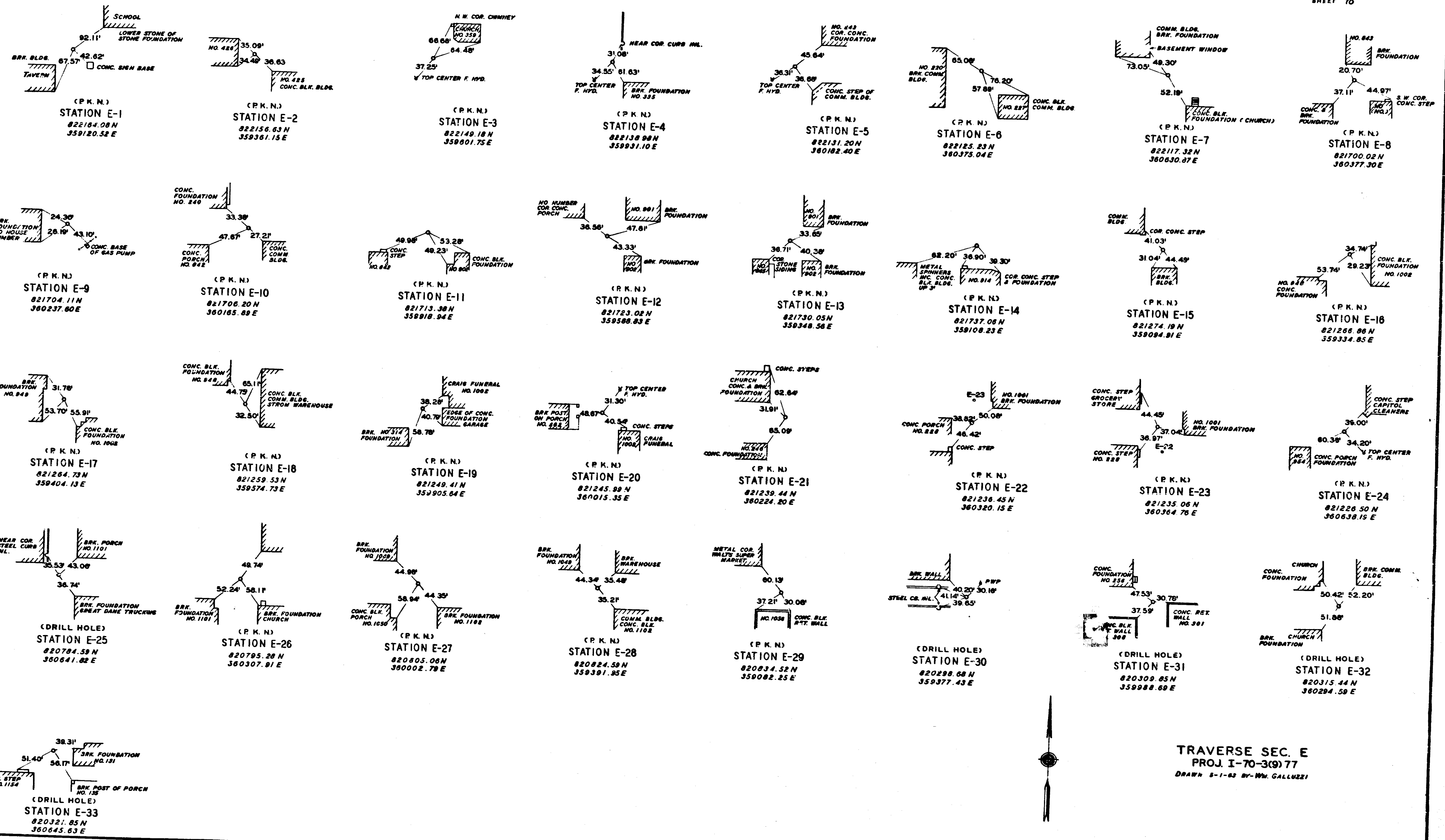


TRAVERSE SEC. D
 DRAWN BY N-3-62 BY Wm. GALLUZZI



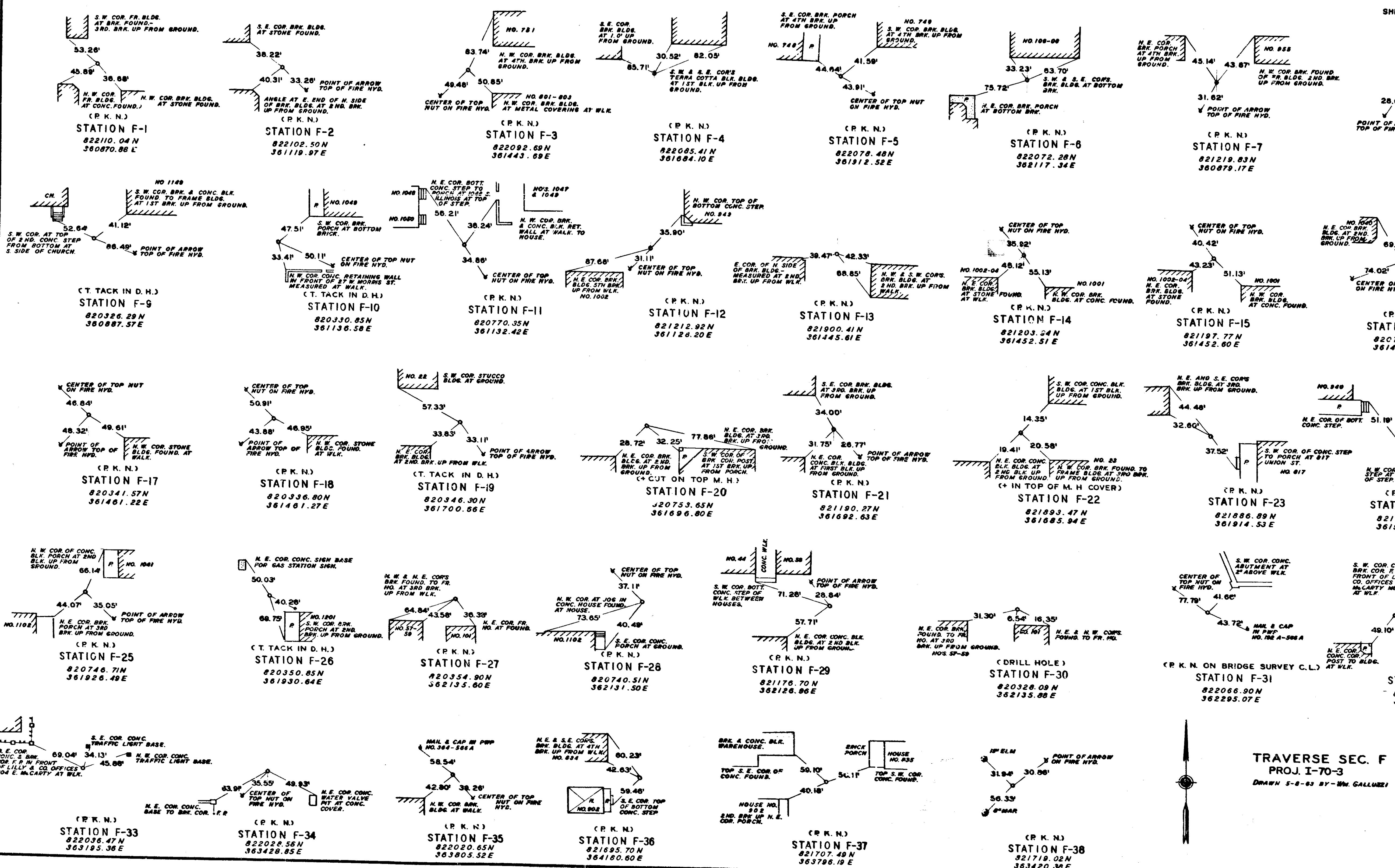
November 6, 1961

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	DATE
1-70-317577		69	237	



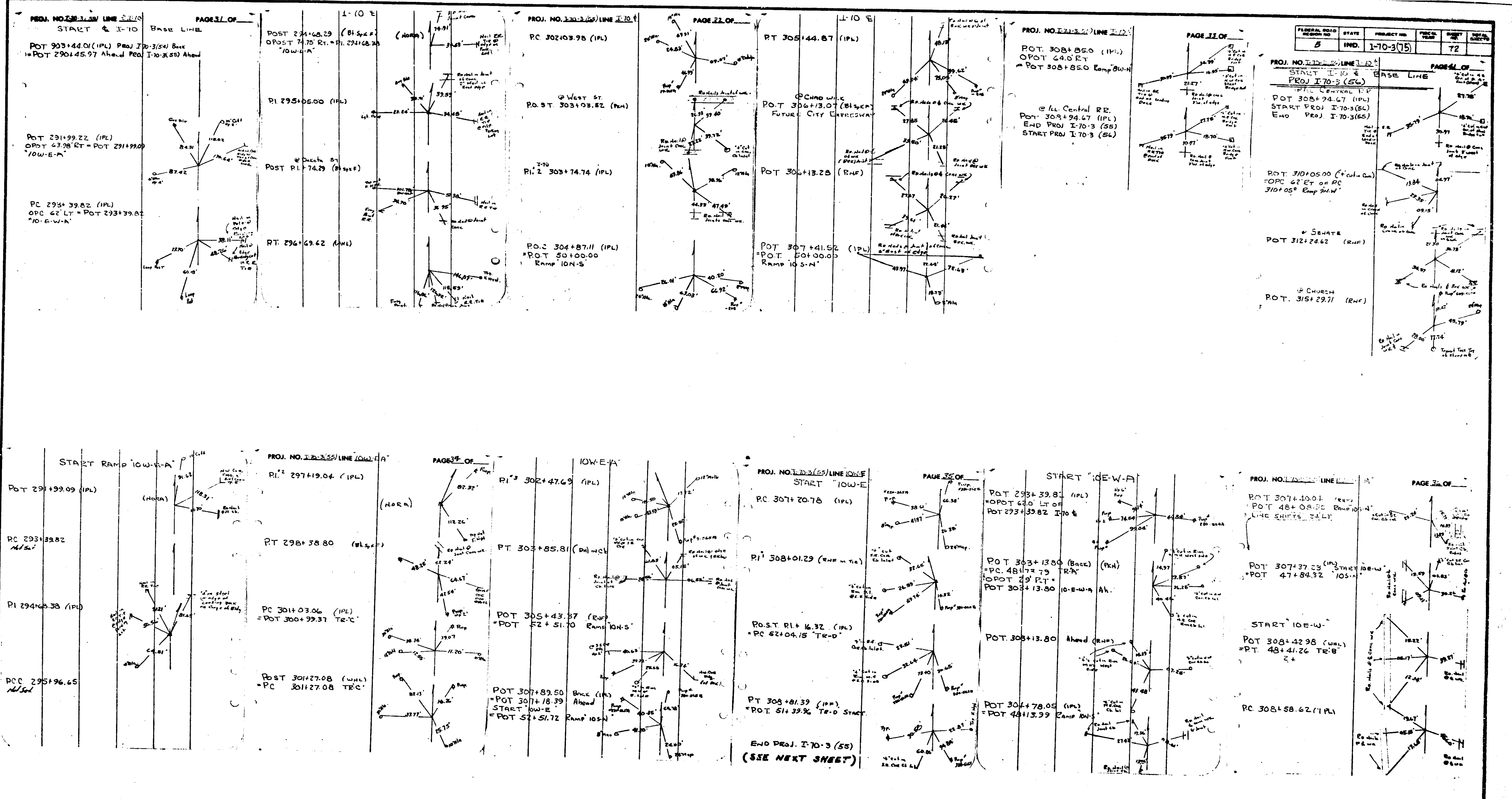
TRAVERSE SEC. E
 PROJ. I-70-3(9) 77
 DRAWN 5-1-65 BY Wm. GALLUZZI

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(9) 77		70	297	



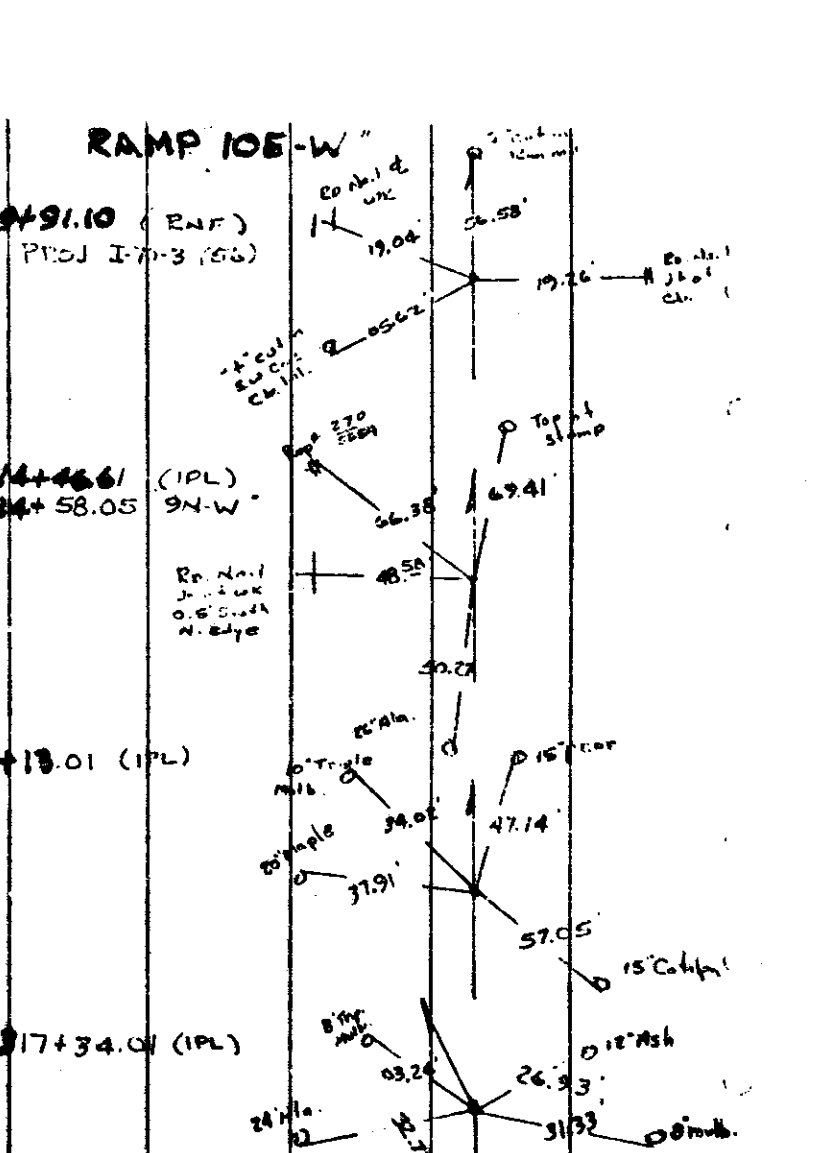
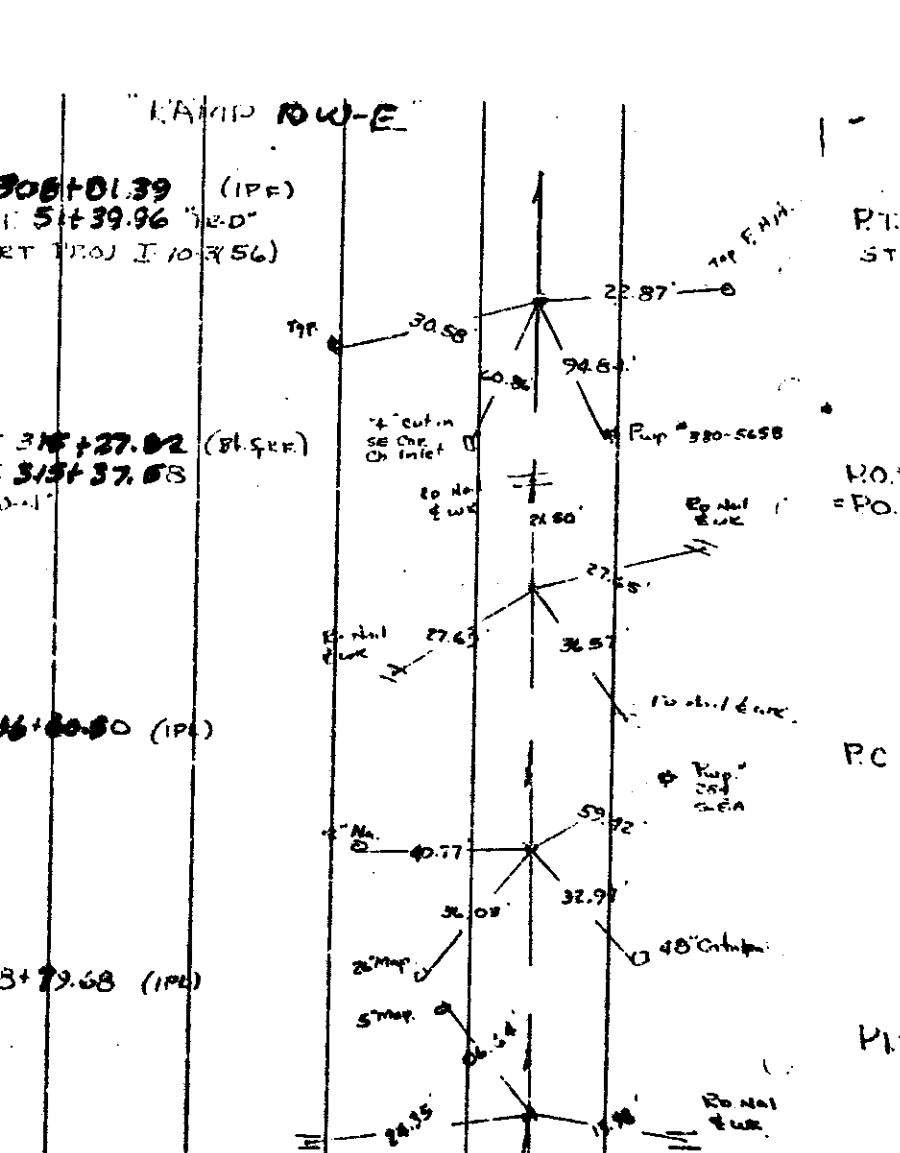
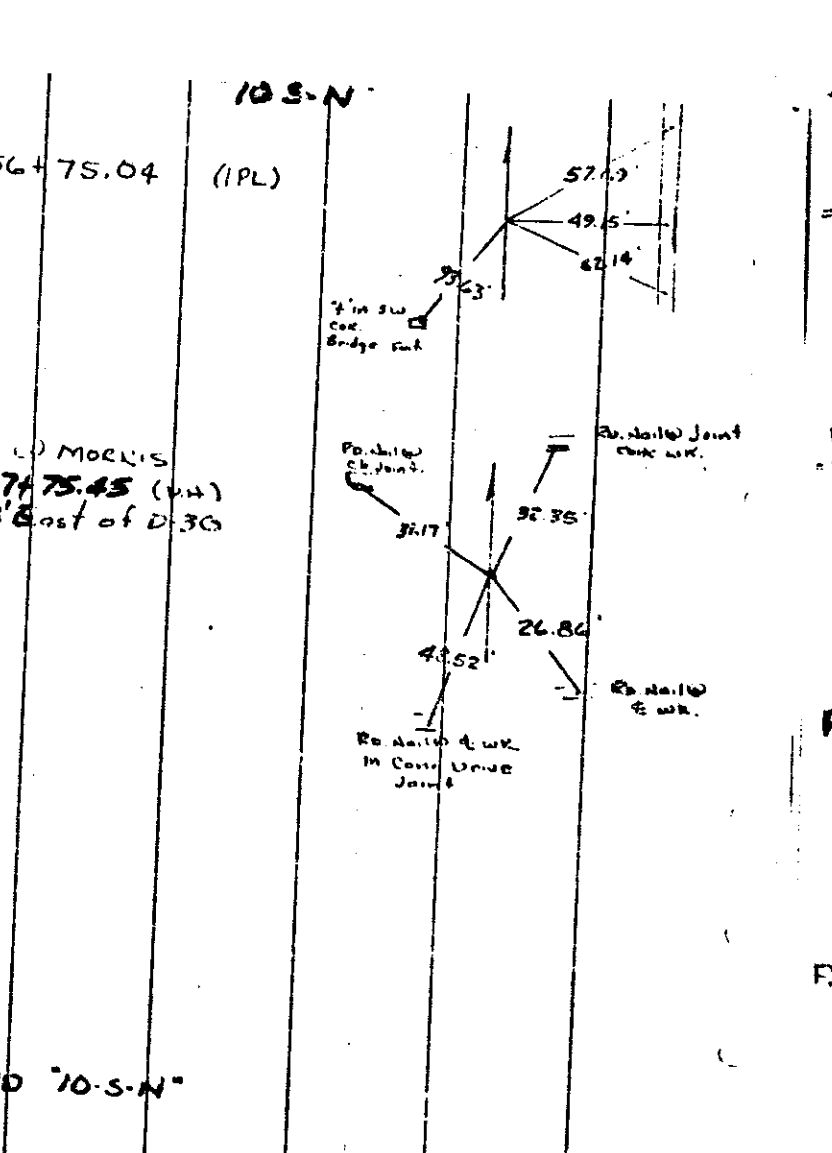
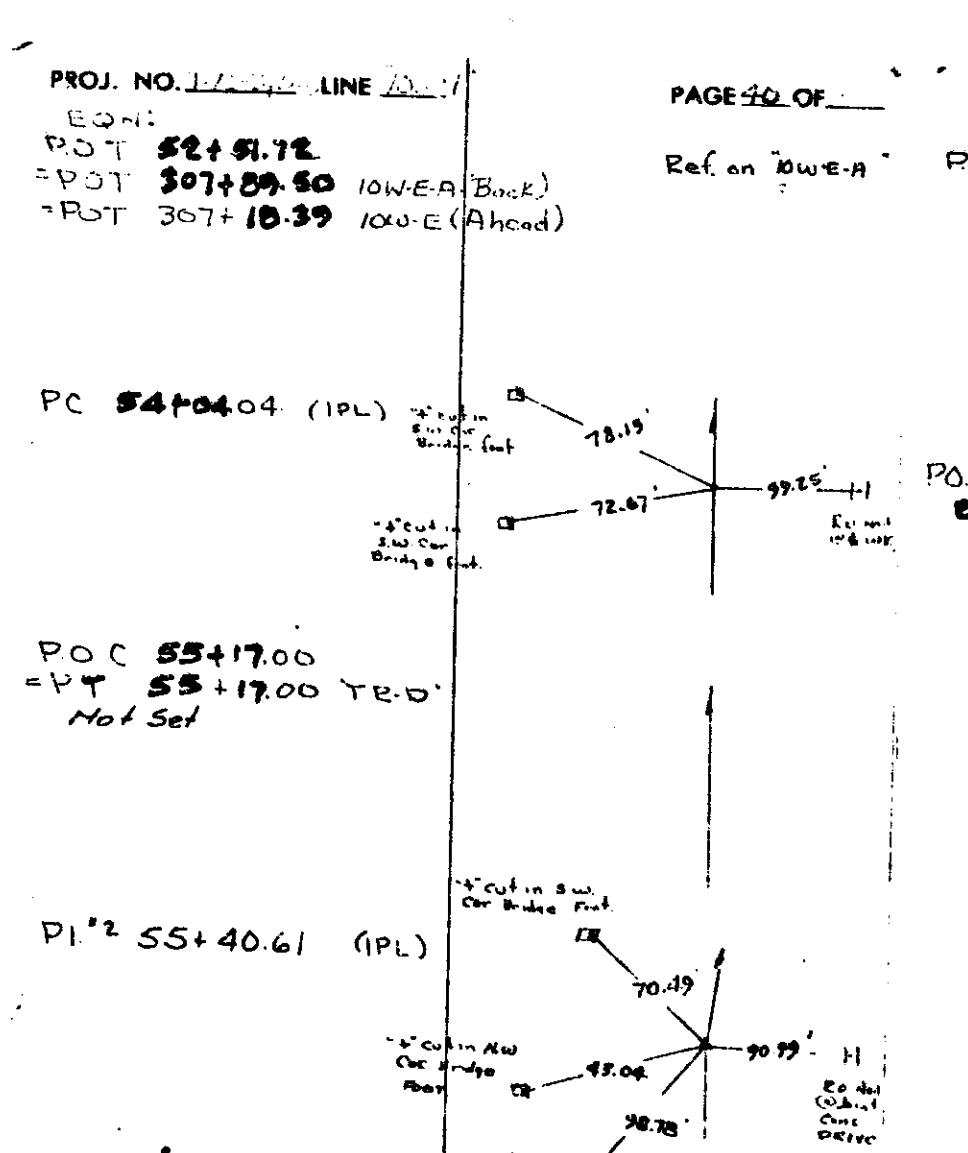
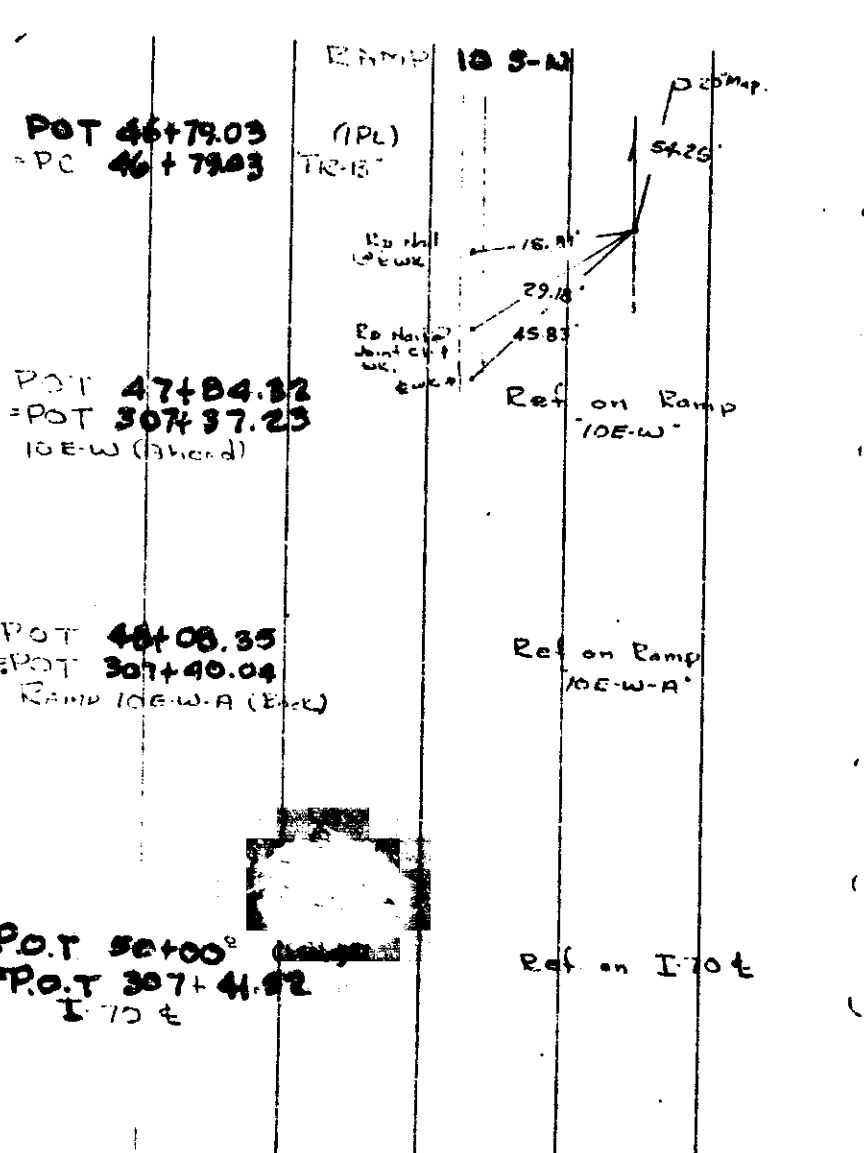
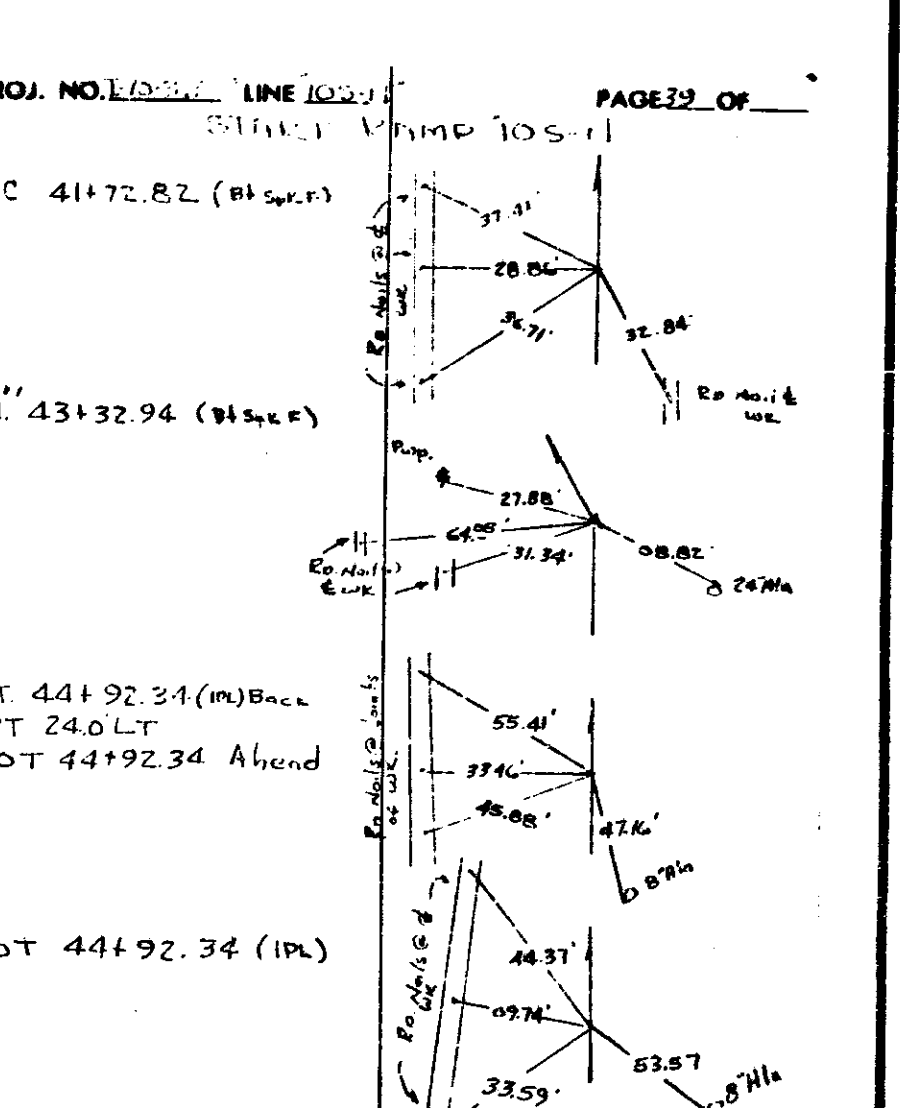
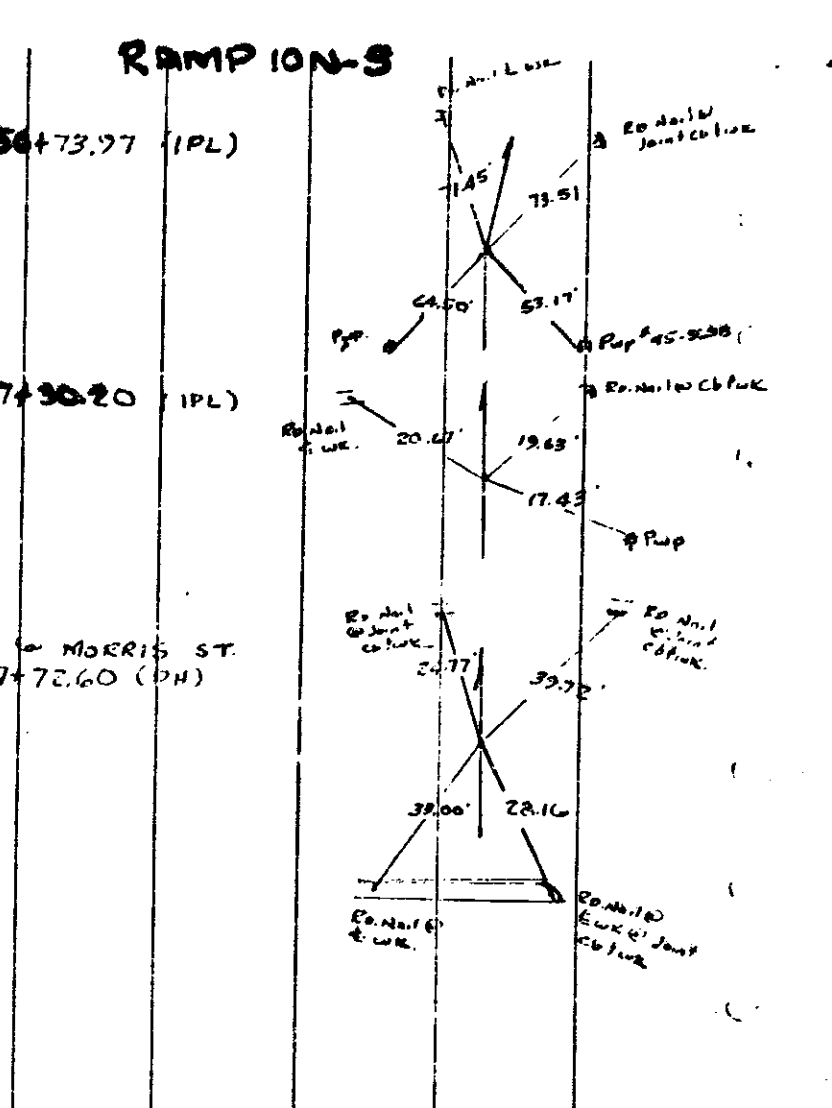
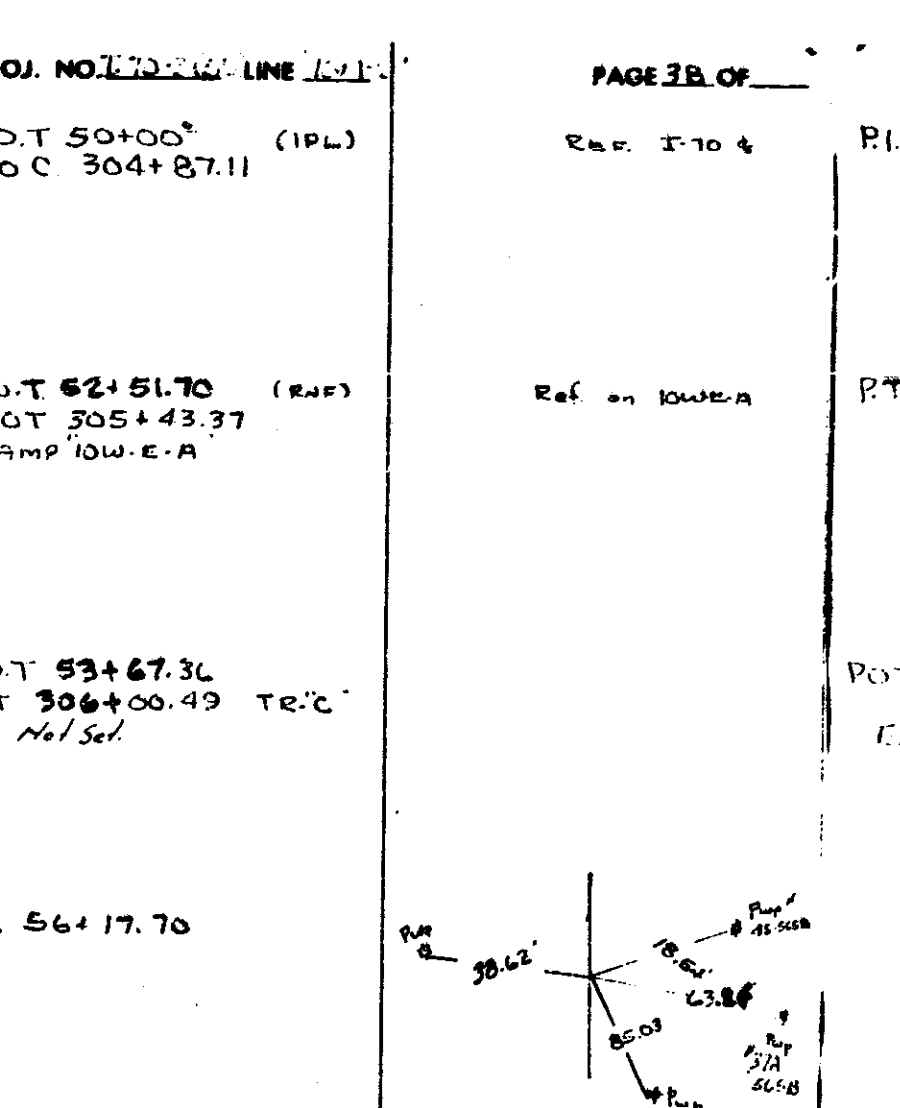
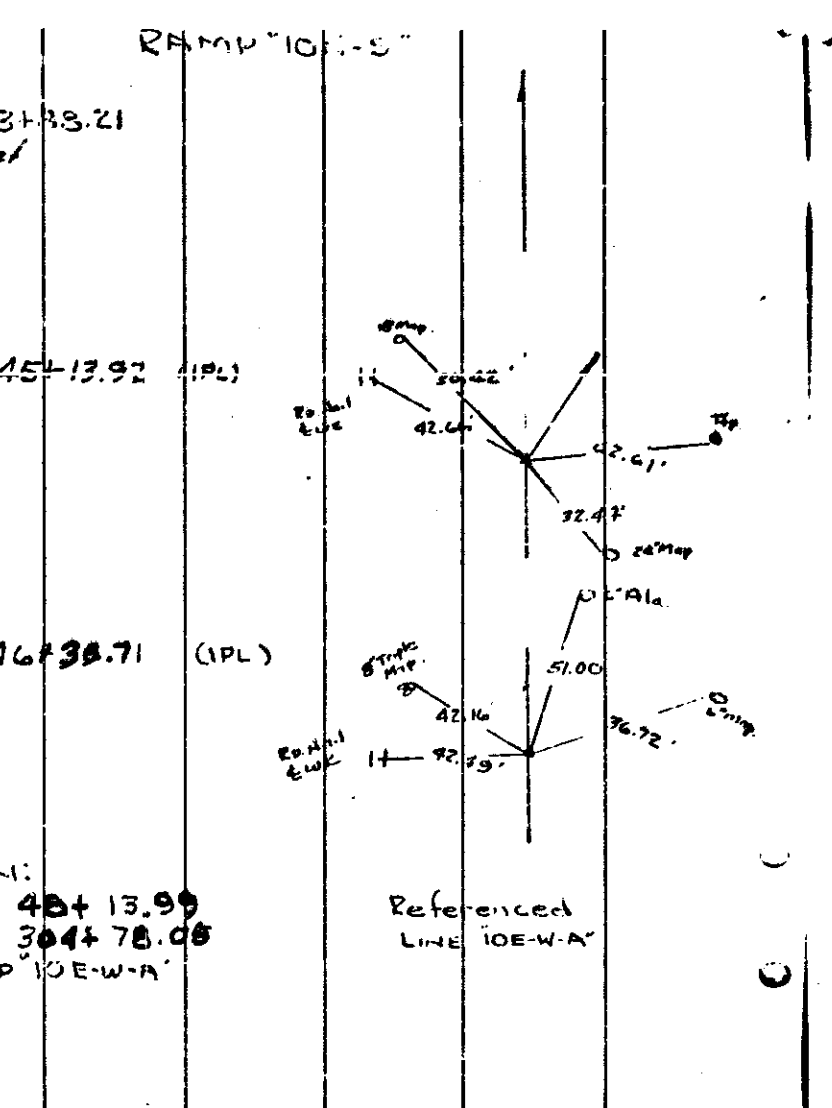
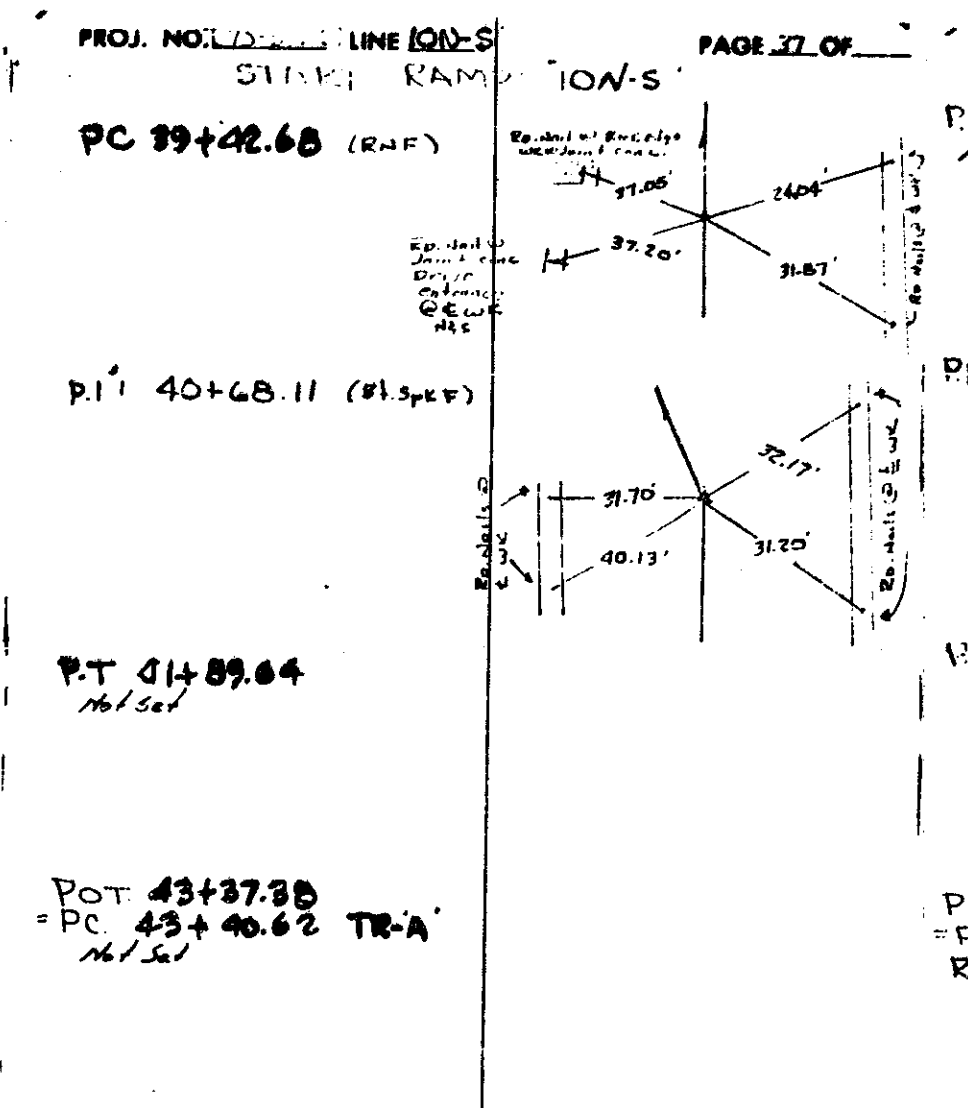
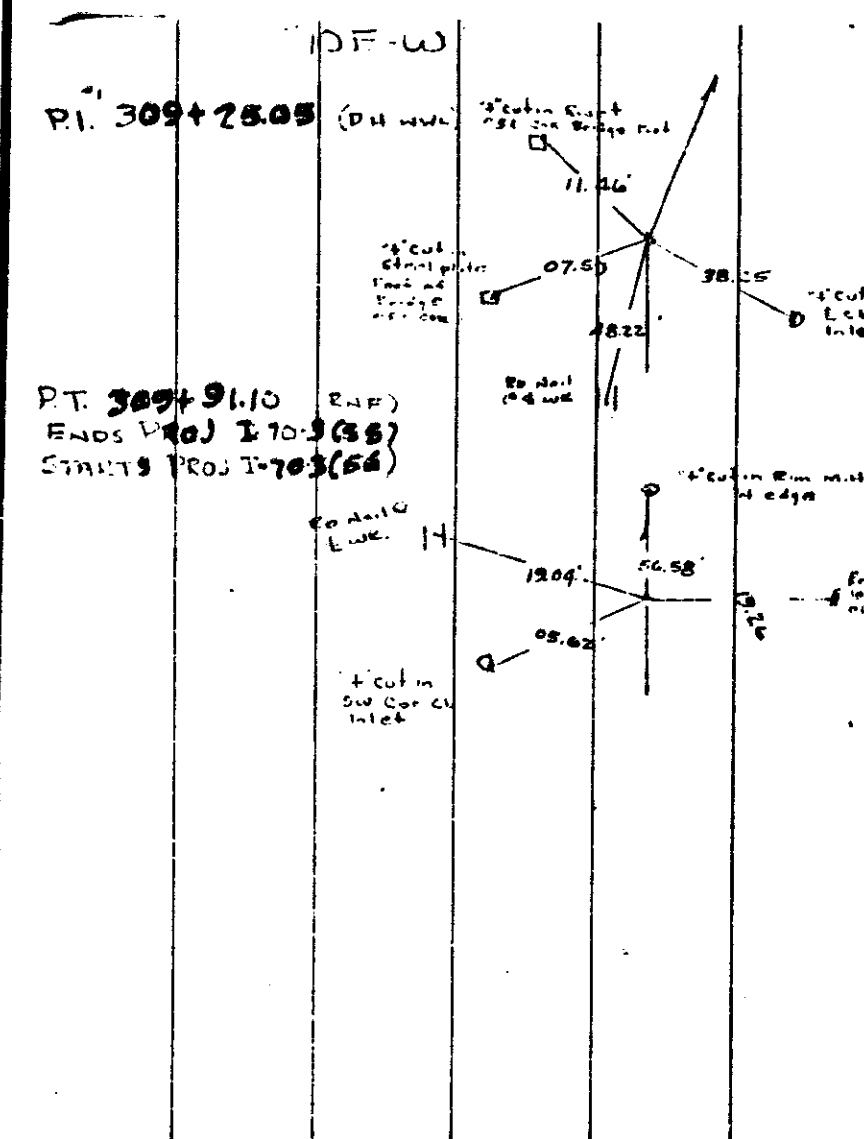
TRAVERSE SEC. F
 PROJ. I-70-3
 DRAWN 5-8-63 BY - WM. GALLAGHER

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(75)17		71	237	



DETAILS

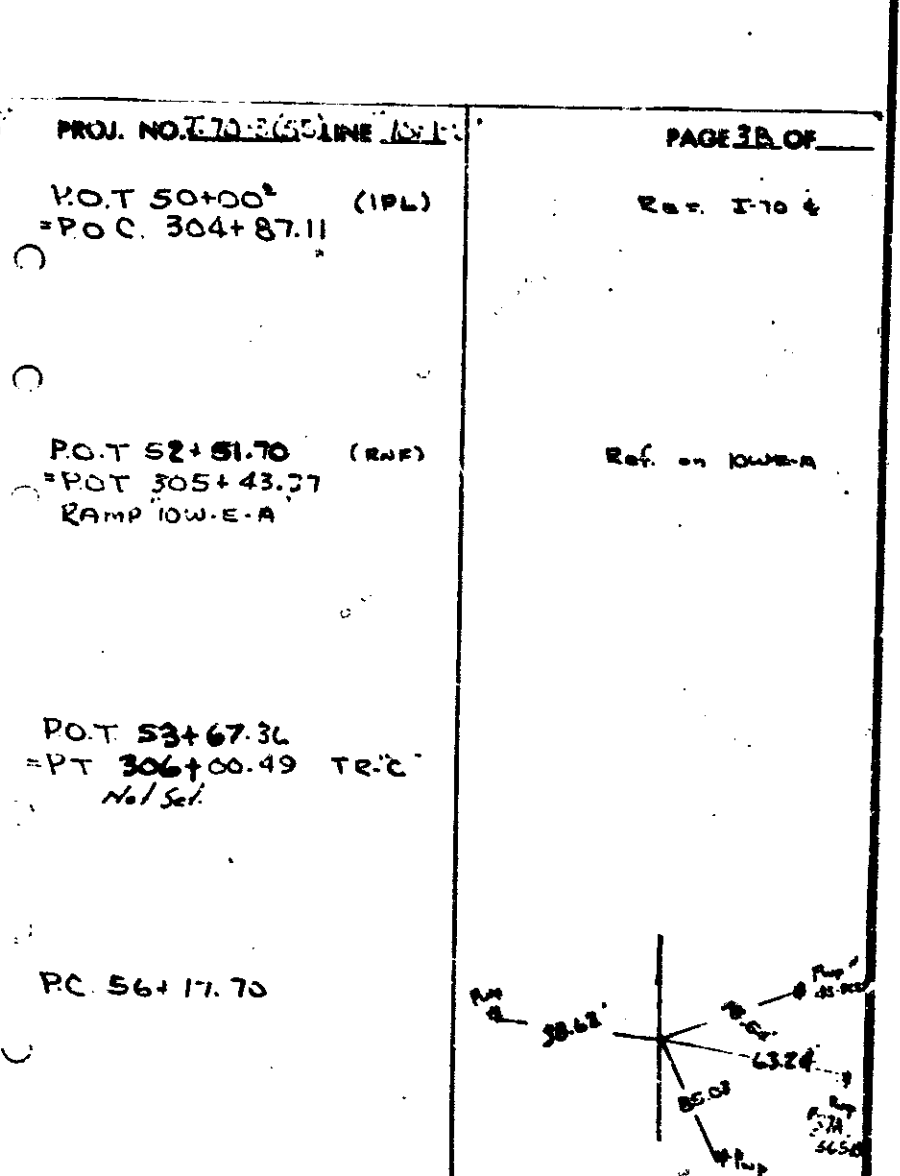
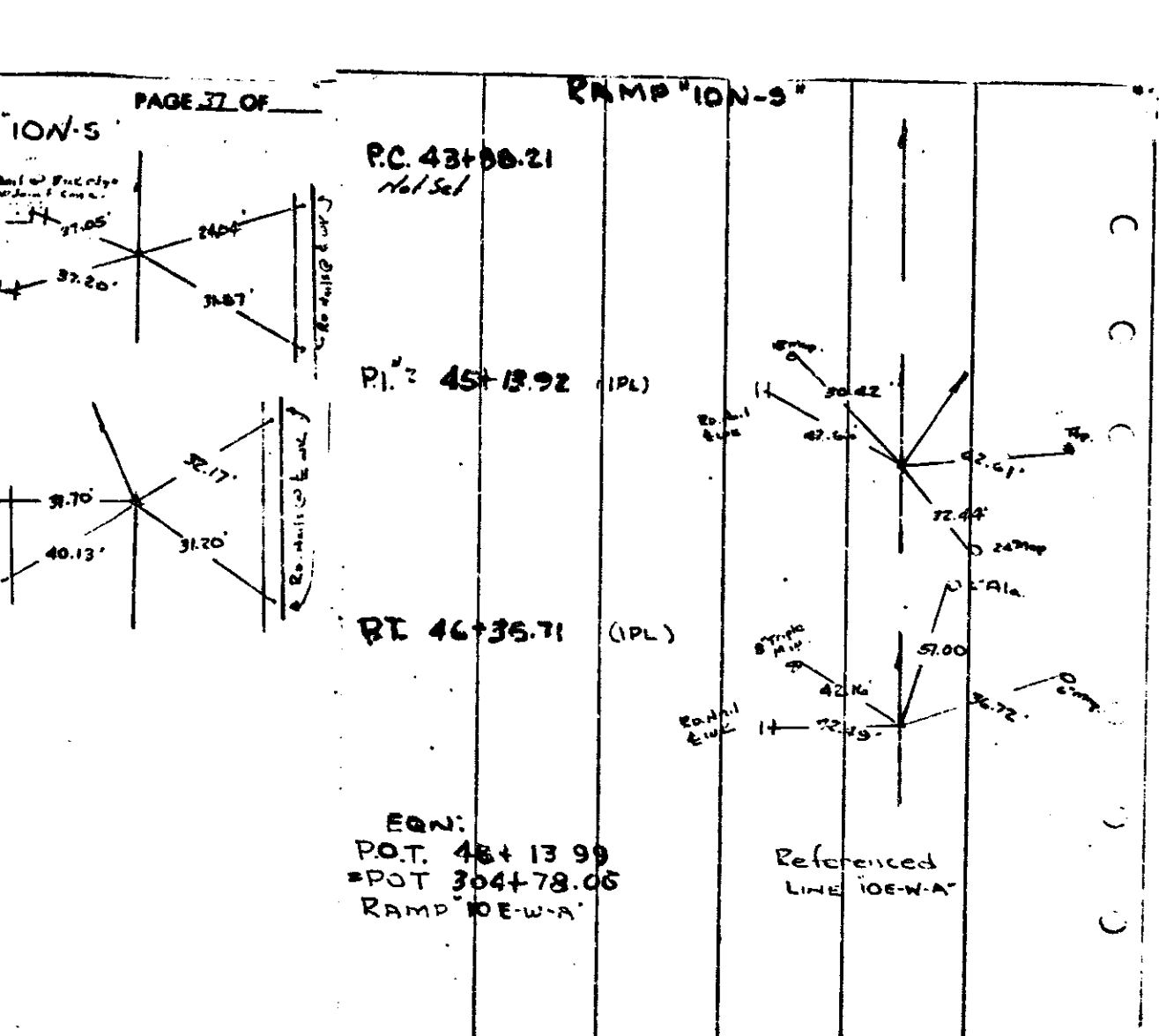
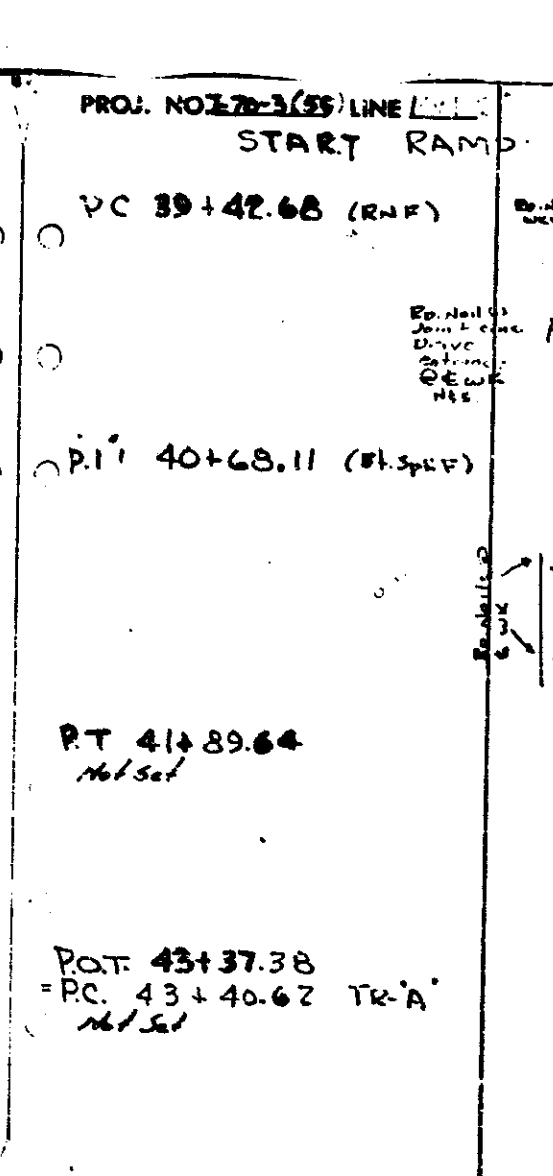
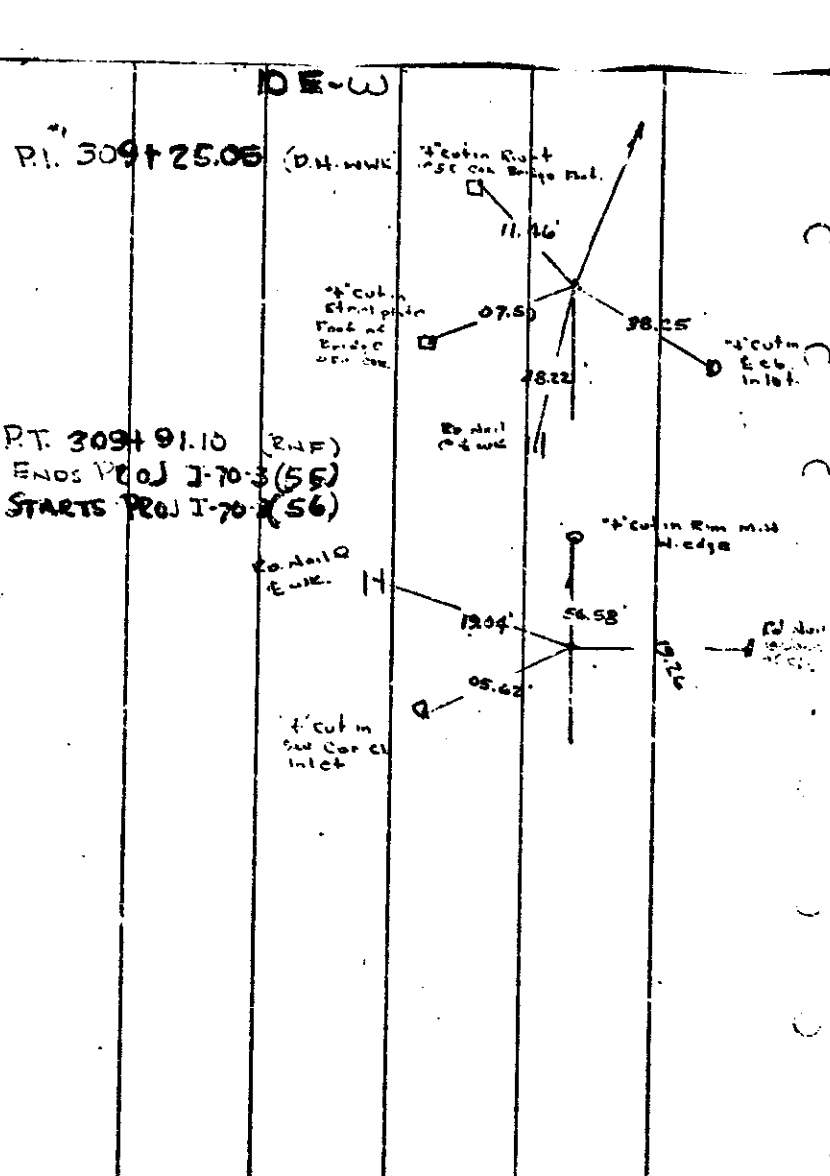
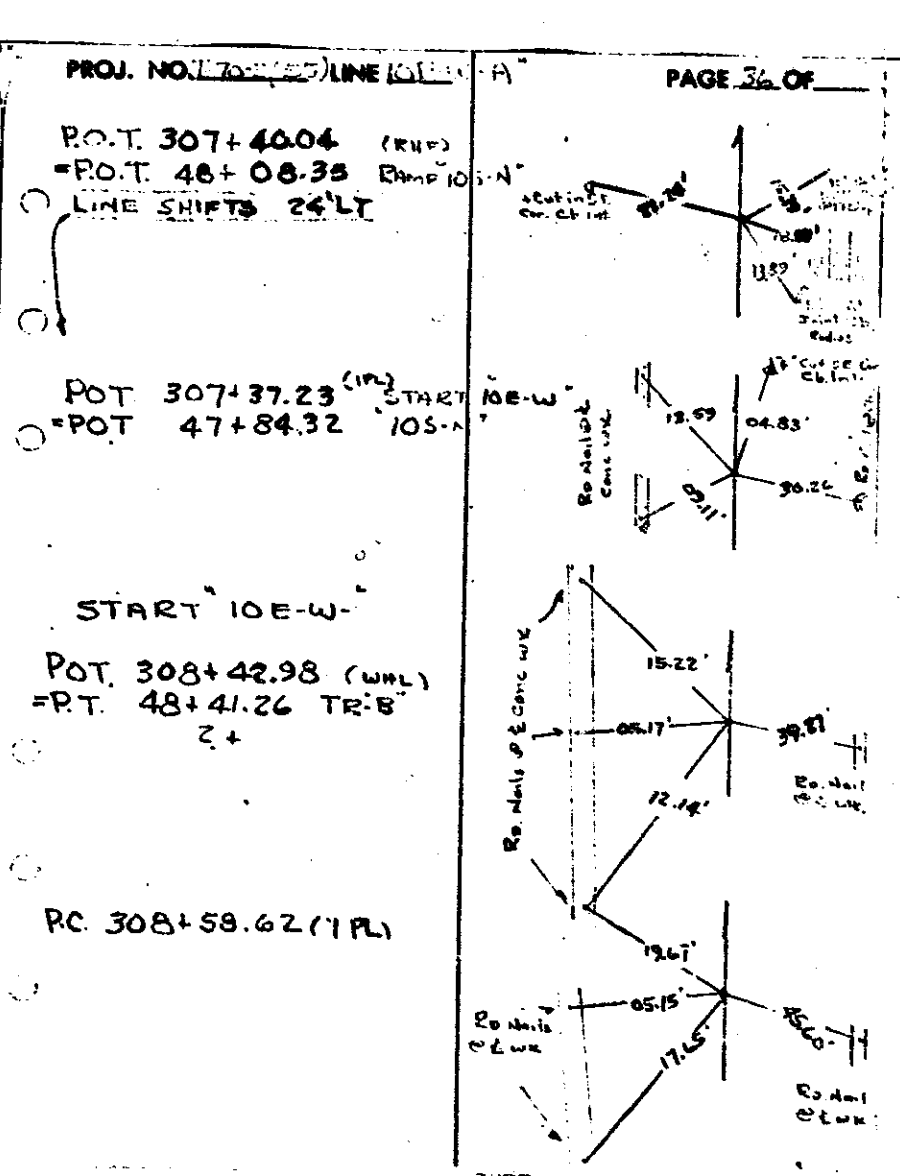
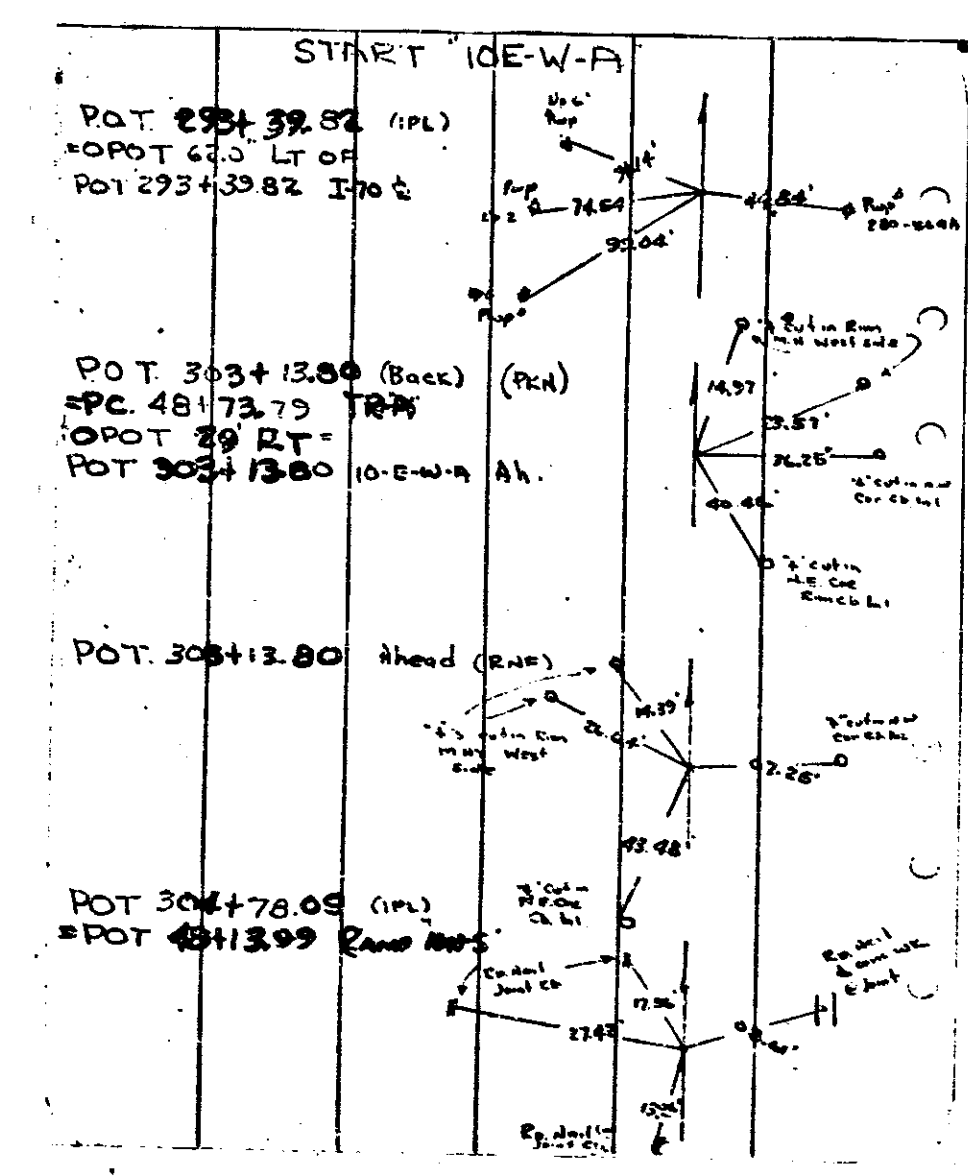
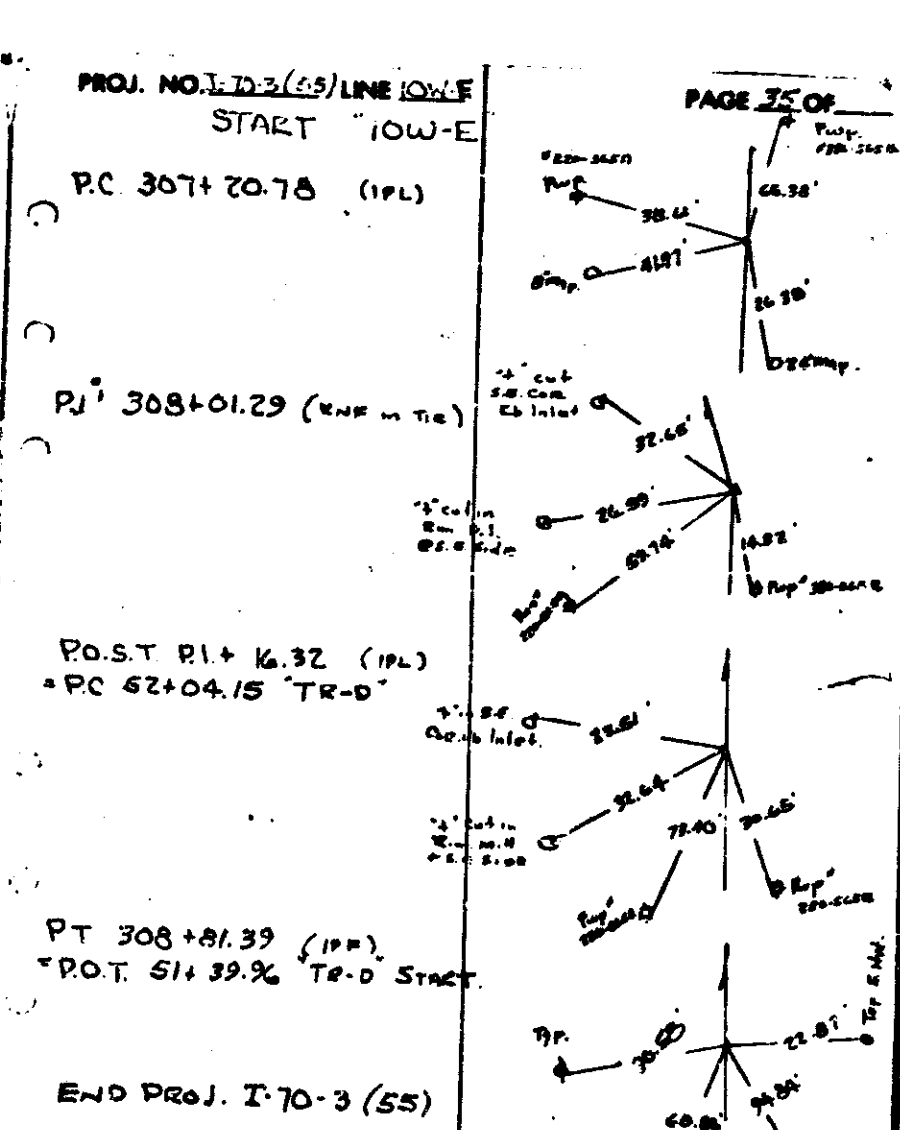
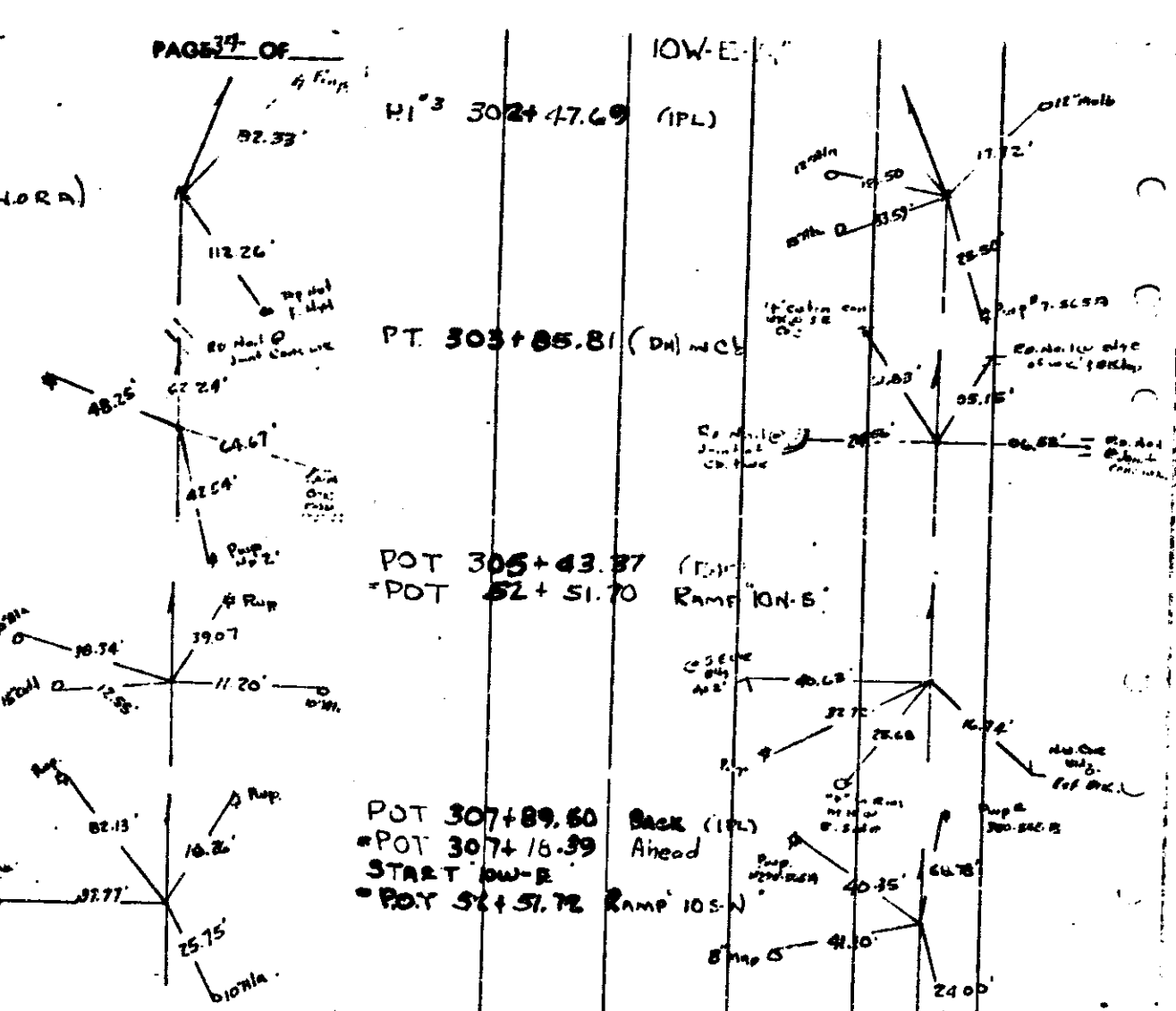
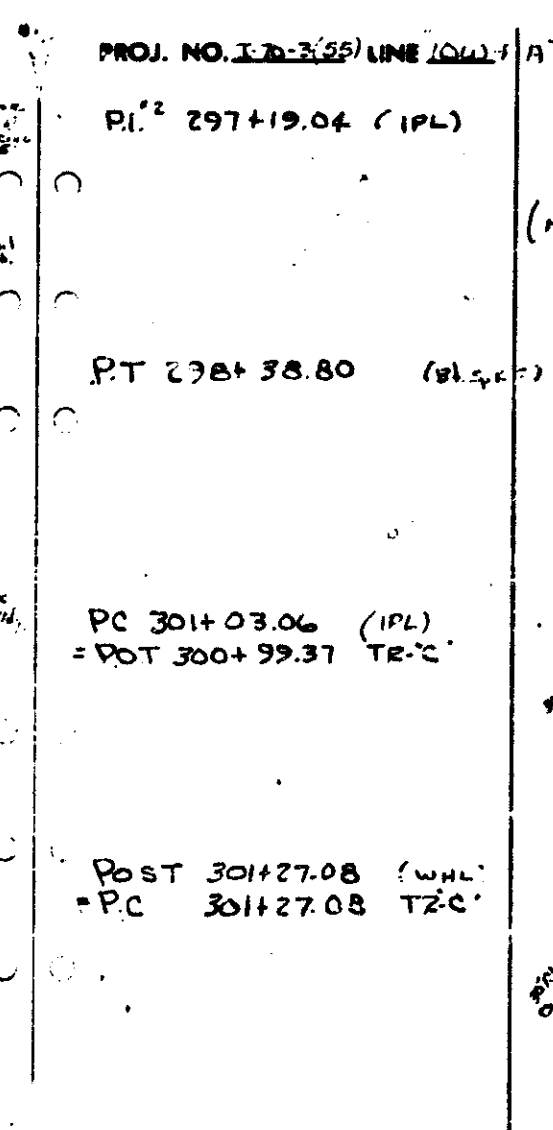
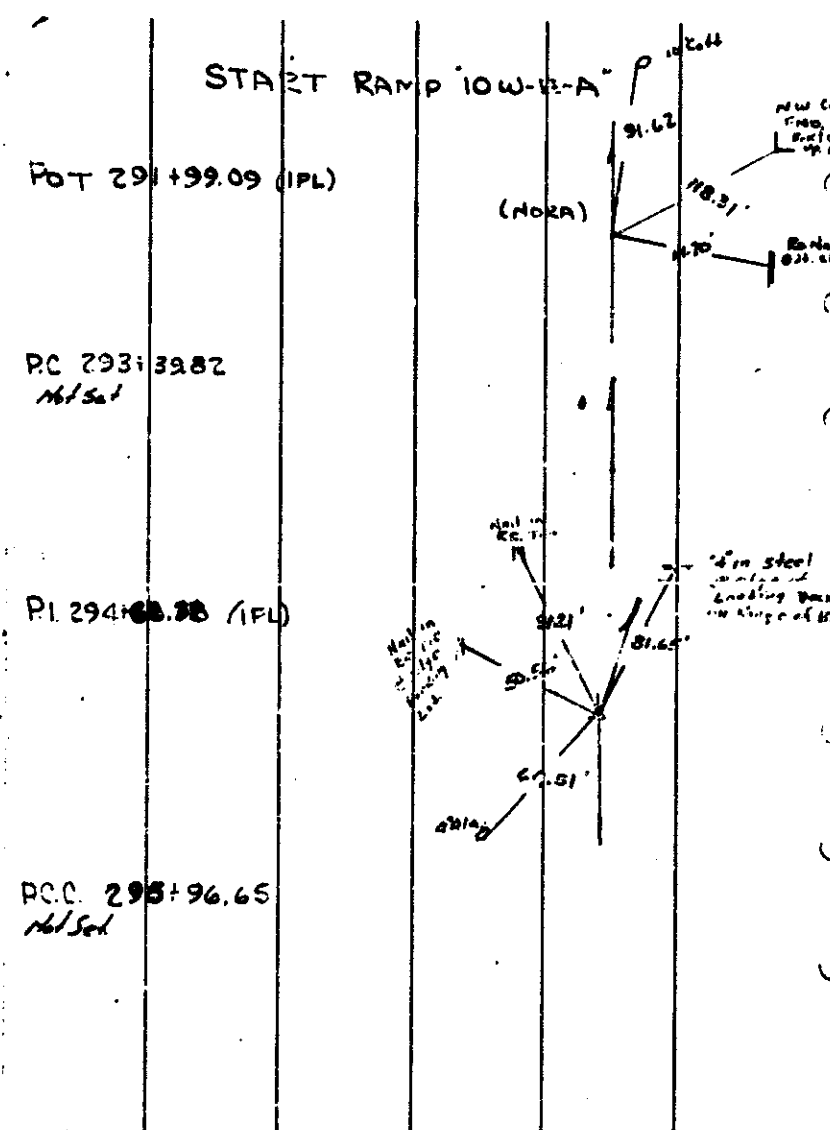
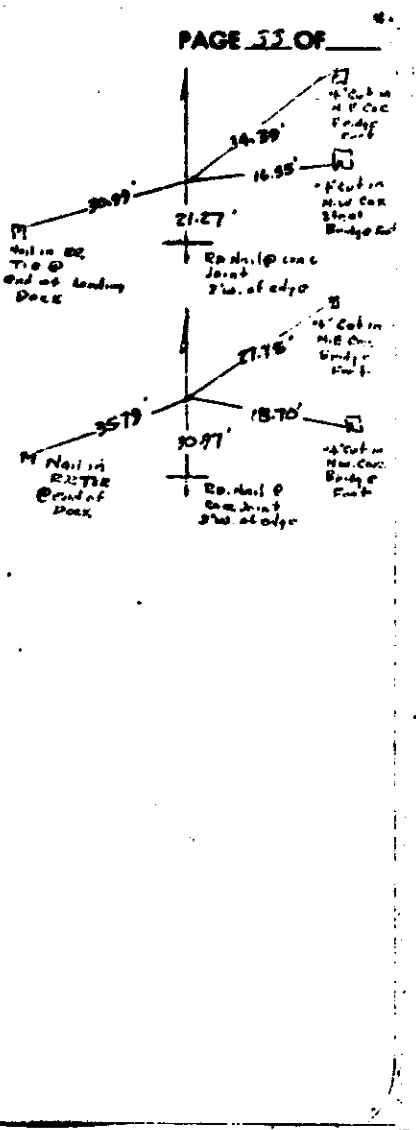
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.			73	



DETAILS

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(7)		74	

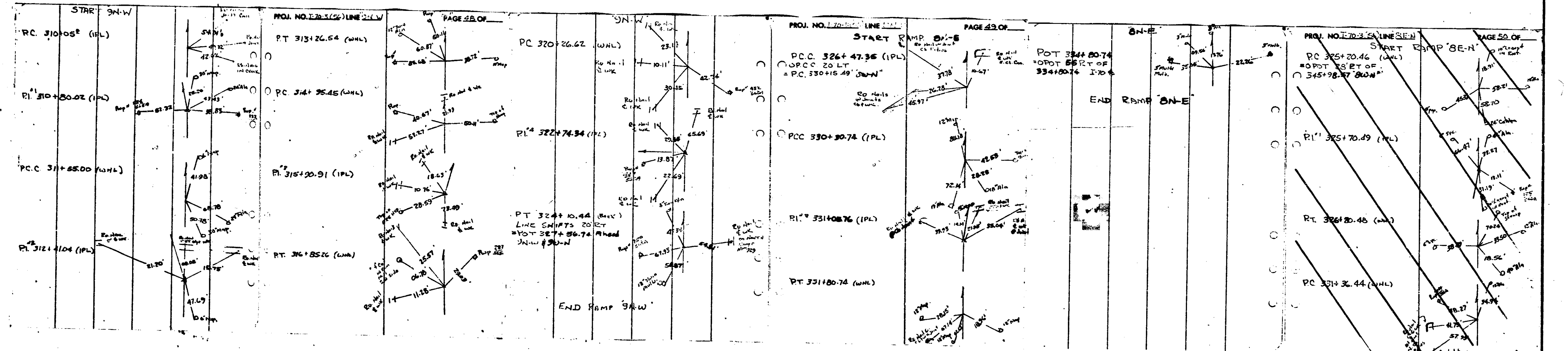
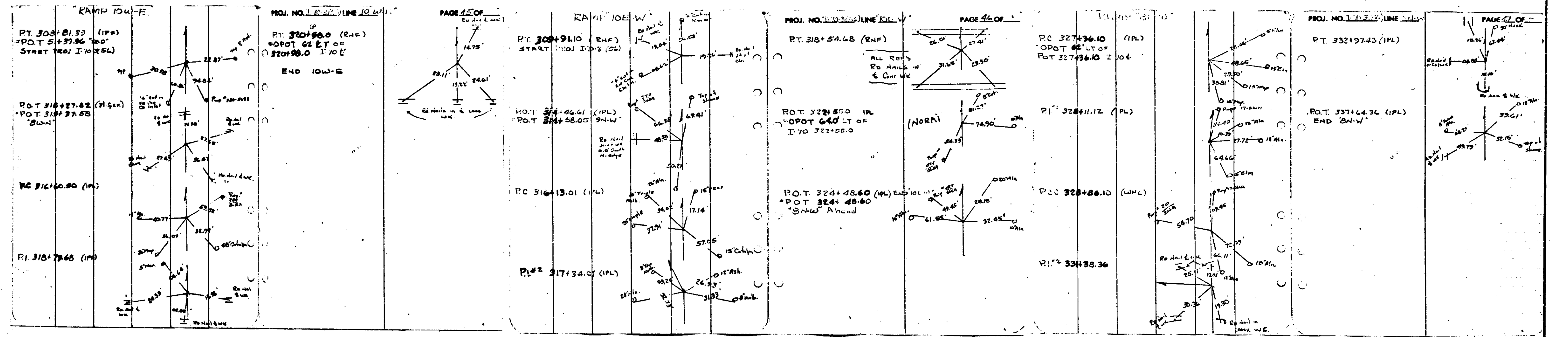
PROJ. NO. I-70-3(5) LINE I-70-3
 PAGE 11 OF 11
 POT 308+06.0 (IPL)
 OPOT 64.0 RT
 POT 308+86.0 Ramp 10W-A
 @ Ill. Central R.E.
 Pot 308+94.67 (IPL)
 END PROJ. I-70-3 (56)
 START PROJ. I-70-3 (56)



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(7)		74	297	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(7)		75	

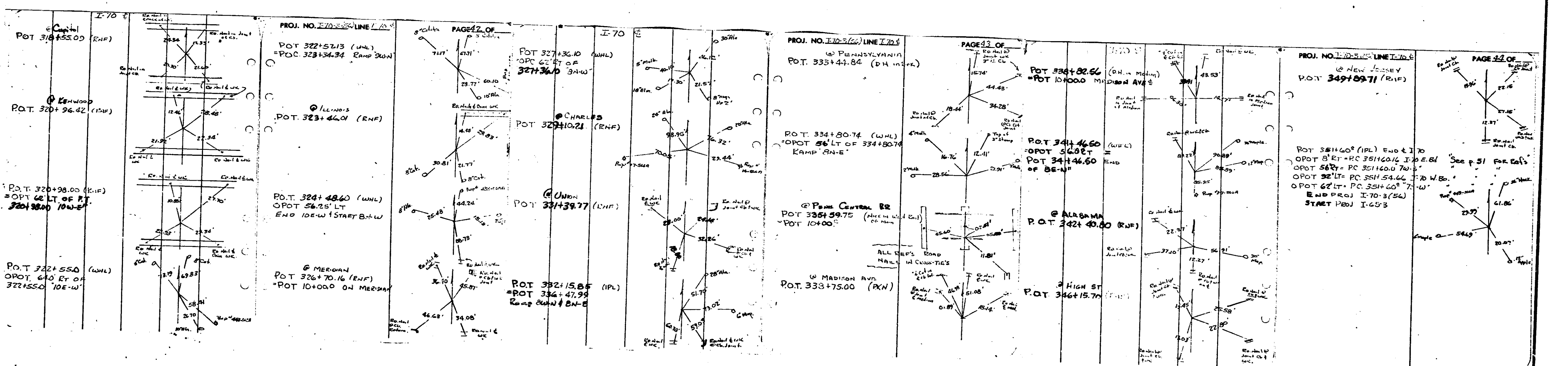
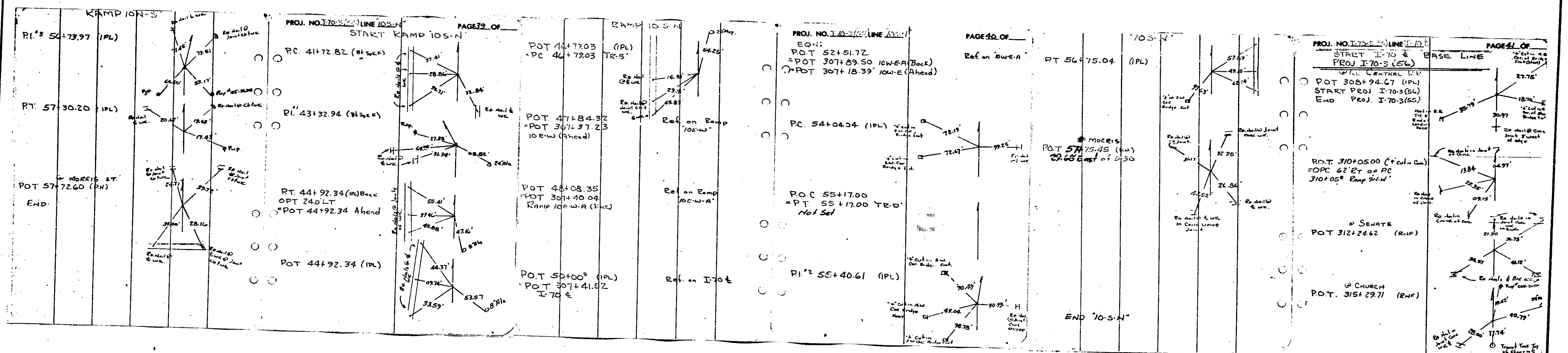
Rev. 7-11-71 "B-E-N" Ref. Revised



See Sheet

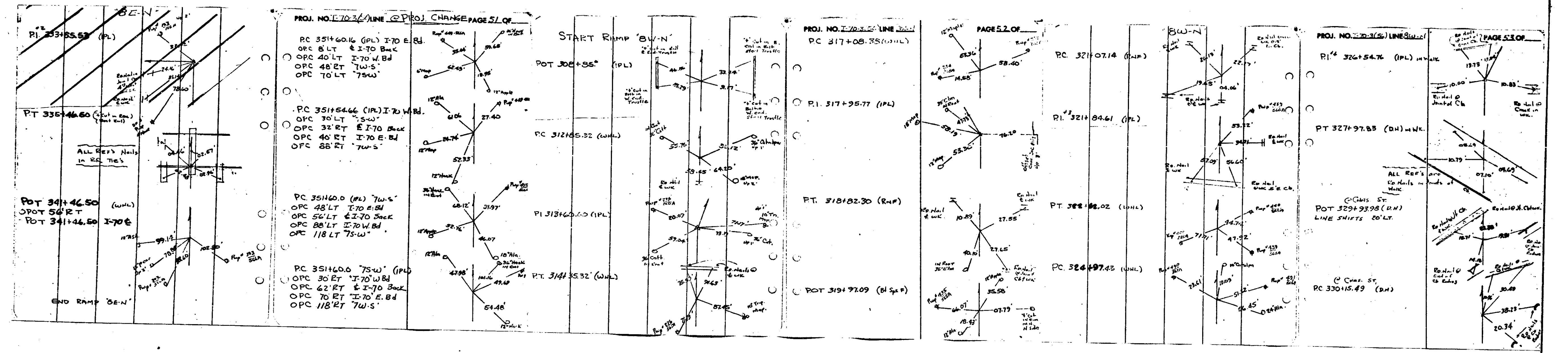
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(7)		75	237	

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(76)		76	

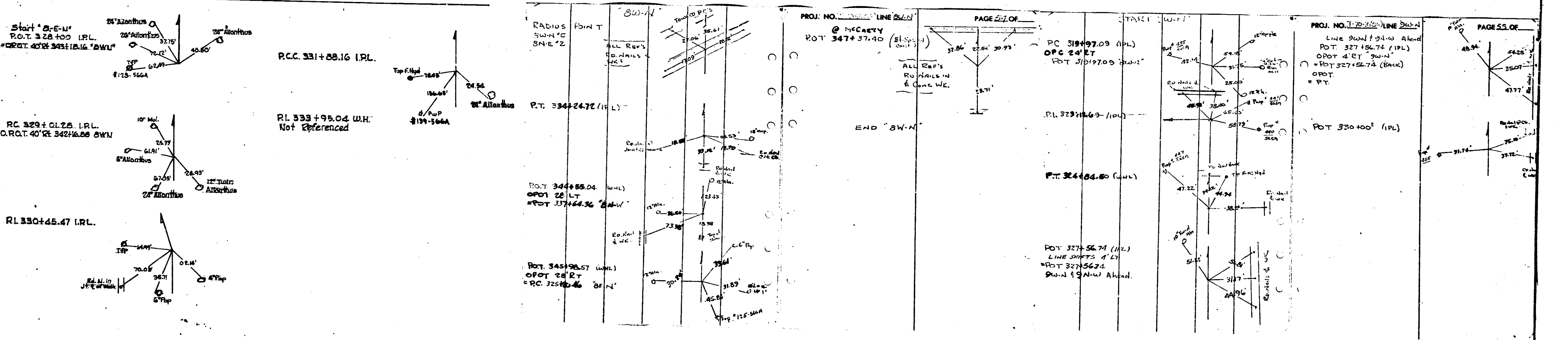


FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(15)		77	

REV. 9-22-71 "B-E-N" Rev.



RAMP "B-E-N" Revised (9-17-71)



PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(15)		77	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	70-1 (75) 77	1970	78	

B.M. NO. 1-D ELEV. 699.57

CUT IN THE N.W. COR. OF A CONC SLAB IN FRONT OF THE WIGWAM GRILL ON THE S.E. COR. OF MORRIS & DAKOTA ST., AND ABOUT 3' S. AND 2' W. OF A FIRE HYDRANT

B.M. NO. 2-D ELEV. 699.39

CUT IN S.W. COR. OF A CONC PLANTER ON THE E. SIDE OF THE MAIN ENTRANCE TO THE INLAND BOX CORP AT 700 W. MORRIS ST & ABOUT 24' S. OF THE BLDG

B.M. NO. 3-D ELEV. 697.71

CUT IN CONC CURB ON THE N.W. COR. OF MORRIS ST & WHITE RIVER PARKWAY, E. DR. ABOUT 10' S. E. OF THE EAST END OF THE NORTH HANDRAIL OF THE BRIDGE OVER WHITE RIVER

B.M. NO. 4-D ELEV. 698.84

CUT IN S.E. COR. BOTTOM STEP, 602 W. McCARTY ST. 1-1/2' OFF CURB LINE. (HUGH BAKER & CO)

B.M. NO. 5-D ELEV. 698.01

CUT IN CONC CURB ON THE S. CURB LINE OF McCARTY ST. P. 1, 23' S. OF 10-10 & 6' N. OF PWP NO 150-564 A

B.M. NO. 6-D ELEV. 703.08

CUT IN N.E. COR. OF 2'x2' CONC BASE FOR SIGN S.W. COR. OF McCARTY ST & KENTUCKY AVE, 6' OFF CURB LINE OF KENTUCKY & 6' OFF CURB LINE OF McCARTY

B.M. NO. 7-D ELEV. 697.67

CUT IN S.E. COR. OF CONC WINGWALL OF SEWER OUTLET 30' N & 40' W OF D-25

B.M. NO. 8-D ELEV. 701.74

BT. SPK. IN PWP NO 245-564 A, 50' N. OF C/L RAY ST. & 90' E. OF C/L WHITE RIVER

B.M. NO. 9-D ELEV. 698.06

BT. SPK. IN W. SIDE OF A POLE FOR PARKING LOT FLOOD LAMP, 40' E. OF C.L. WHITE RIVER PARKWAY (EAST DRIVE) & 120' S. OF D-20.

B.M. NO. 10-D ELEV. 702.49

CUT IN N.E. COR. 2ND STEP TO R.R. SIDING DOCK, 20' S. OF C/L WILKINS ST. & 12' W. OF C/L DAKOTA ST

B.M. NO. 11-D ELEV. 704.77

CUT IN N.E. COR. CONC BASE FOR TELEPHONE BOOTH ON THE S.W. COR. OF RAY & DAKOTA STS

B.M. NO. 12-D ELEV. 702.74

CUT IN S.E. COR. CONC WALK AROUND STARK & WETZEL HOTEL & RESTAURANT DIVISION BLDG., 1-STORY CONC BLK. & BRICK GARAGE, 23' N. OF C/L RAY ST.

B.M. NO. T-64 U.S.C. & G.S. ELEV. 705.786

AT INDIANAPOLIS, ON KENTUCKY AVE, AT THE T-SPAN CONC ARCH BR OVER WHITE RIVER, SET IN THE TOP OF THE S.W. END OF THE S.E. CONC RAILING, 3' S.W. OF THE LAST CONC LAMP POST IN A LINE OF LAMP POSTS ALONG THE RAILING, ABOUT 4.5' HIGHER THAN THE BR. FLOOR. A STANDARD DISC STAMPED "T-64 1946"

B.M. NO. M-93 U.S.G.S. ELEV. 698.335

INDIANAPOLIS, IN S.W. COR. SEC. 11, T. 15 N., R. 3 E., ON N.W. COR. OF N. WALK OF W. MORRIS ST BRIDGE OVER WHITE RIVER; STANDARD TABLET STAMPED "93 M 698 1945"

B.M. NO. H-36 PROJ. F-63 (16) ELEV. 695.19

CUT IN N.W. COR. OF CONC SLAB IN FRONT OF A DRIVE-IN REST, 27' E. OF THE E. CURB OF WEST ST. & 40' S. OF THE S. CURB OF MORRIS ST. (SEE BOOK 7975 L, PROJ. F-63 (16) P)

BENCH MARK
SUMMARY
SEC. "D"



November 6, 1961

PROJECT NO.	LINE	SHEET	FILE
70-3 (75) 77		78	237

B.M. NO. 1-E ELEV. 703.68

CUT IN THE S.E. COR. OF THE BOTTOM STEP OF A HOUSE AT 208 E. MORRIS ST. AT THE INTERSECTION OF MORRIS & CAPITAL.

B.M. NO. 2-E ELEV. 696.41

CUT IN THE S.W. COR. OF AN 18" x 18" CONC. BASE ON THE N.E. COR. OF MORRIS & SENATE AT THE BACK EDGE OF THE SIDEWALKS ON MORRIS & SENATE.

B.M. NO. 3-E ELEV. 690.21

CUT IN CONC. CURB JUST W. OF A CURB INLET, ABOUT 75' E. OF THE INTERSECTION OF MORRIS & CHADWICK ON THE S. SIDE OF MORRIS, JUST W. OF OVERHEAD R.R. BRIDGE.

B.M. NO. 4-E ELEV. 697.95

CUT IN S.W. COR. TELEPHONE BOOTH AT EDGE OF SIDEWALK ON THE E. SIDE OF WEST ST. & 5' S. OF W. WILKINS ST. EXTENDED.

B.M. NO. 5-E ELEV. 699.99

CUT IN S.W. COR. OF 18" x 42" CONC. SLAB, 10' E. OF E. CURB LINE OF WEST ST. & 45' N. OF N. CURB LINE OF RAY ST. (EAST INTERSECTION).

B.M. NO. 6-E ELEV. 701.27

CUT IN N.W. COR. 3' x 3' CONC. BASE FOR SIGN (MARATHON SERVICE) ON THE S.E. COR. MCCARTY & WEST STS., 4' S. OF S. CURB LINE OF MCCARTY & 9' E. OF E. CURB LINE OF WEST ST.

B.M. NO. 7-E ELEV. 703.62

CUT IN CONC. CURB JUST OFF CURB INLET ON THE S.W. COR. OF CAPITOL & RAY STS.

B.M. NO. 8-E ELEV. 698.52

CUT IN CONC. CURB JUST OFF CURB INLET ON THE S.E. COR. OF SENATE & MCCARTY STS.

B.M. NO. 9-E ELEV. 698.95

CUT IN CONC. STEP AT PILGRIM HOLINESS CHURCH ON THE S.E. COR. OF MCCARTY & MISSOURI STS.

B.M. NO. 10-E ELEV. 699.32

CUT IN S.W. COR. OF CONC. WALK ON THE S.E. COR. OF CHADWICK & WYOMING, HOUSE NO. 901 S. CHADWICK.

B.M. NO. 11-E ELEV. 695.63

N.E. COR. OF CONC. PORCH, HOUSE NO. 902 ON THE S.W. COR. OF WYOMING & MEIKLE STS.

B.M. NO. 12-E ELEV. 702.70

CUT IN S.W. COR. OF CONC. STEP, HOUSE NO. 901 S. CHURCH ST. ON THE S.E. COR. OF WYOMING & CHURCH STS.

B.M. NO. 13-E ELEV. 699.48

CUT IN CONC. CURB JUST OFF CURB INLET ON THE N.W. COR. OF SENATE & RAY STS.

B.M. NO. 14-E ELEV. 694.24

CUT IN CONC. CURB JUST OFF CURB INLET ON THE N.W. COR. OF MISSOURI & RAY STS.

B.M. NO. 15-E ELEV. 701.04

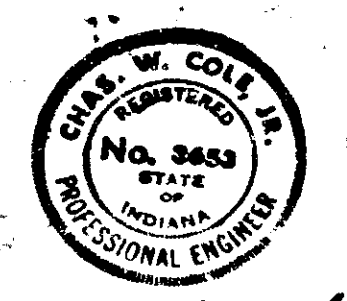
CUT IN CONC. RETAINING WALL ON THE N.W. COR. OF SENATE & WILKINS STS.

B.M. NO. 16-E ELEV. 695.09

CUT IN CONC. FOUNDATION AT N.W. COR. OF PHILLIPS PETROLEUM CO. ON THE S.E. COR. OF WILKINS & CHADWICK STS. (112 S. CHADWICK)

B.M. NO. H-36 PROJ. F-63(16) ELEV. 695.19

CUT IN N.W. COR. OF CONC. SLAB IN FRONT OF A DRIVE-IN REST, 27' E. OF THE E. CURB OF WEST ST., & 40' S. OF THE S. CURB OF MORRIS ST. SEE BOOK 7975 L, PROJ. F-63(16) P.E.



SEC. 1 E BENCH MARKS

PROJECT NO.	LINE	MARK	DATE	FILE
70-3(75)77	79	237		

B.M. NO. 1-F ELEV. 709.04
 □ CUT IN CONC. CURB JUST E. OF A CURB INLET ON THE S. SIDE OF MORRIS ST. ABOUT 100' E. OF THE INTERSECTION OF TALBOT & MORRIS, & JUST E. OF THE R.R. UNDERPASS.

B.M. NO. 2-F ELEV. 711.11
 □ CUT IN CONC. CURB JUST E. OF A CURB INLET ON THE S.E. COR. OF MORRIS & UNION STS., AND ABOUT 2' W. OF A FIRE HYDRANT.

B.M. NO. 3-F ELEV. 713.48
 □ CUT IN THE N.E. COR. OF A LAMP POLE BASE ON THE S.W. COR. OF MORRIS & MERIDIAN STS.

B.M. NO. 4-F ELEV. 709.08
 □ CUT IN CONC. CURB ON THE S.E. COR. OF MORRIS & ILLINOIS STS., 12' S. OF THE S. CURB ON MORRIS ST., AND 2' N. OF A CURB INLET ON THE E. CURB OF ILLINOIS ST.

B.M. NO. 5-F ELEV. 707.11
 □ CUT IN CONC. CURB ON THE N.E. COR. OF CAPITOL & WILKINS STS.

B.M. NO. 6-F ELEV. 703.85
 □ CUT IN CONC. STEP AT 735 S. CAPITOL, ON THE N.E. COR. OF CAPITOL & McCARTY STS.

B.M. NO. 7-F ELEV. 712.01
 □ CUT IN CONC. WALK ON THE S.E. COR. OF ILLINOIS & McCARTY STS., 4' E. OF FIRE HYDRANT. 10' S. OF S. CURB LINE OF McCARTY ST.

B.M. NO. 8-F ELEV. 710.98
 □ CUT IN S.E. COR. OF CONC. TELEPHONE BOOTH BASE ON THE N.W. COR. OF McCARTY & MERIDIAN STS.

B.M. NO. 9-F ELEV. 709.18
 □ CUT IN S.W. COR. OF CONC. TELEPHONE BOOTH BASE, 20' E. OF E. CURB LINE OF MERIDIAN ST., 2' S. OF S.W. COR. OF NO. 849 MERIDIAN ST. (TEAMSTER BLDG.)

B.M. NO. 10-F ELEV. 708.97
 □ CUT IN CONC. COPING ABOUT BLDG. ON THE S.E. COR. OF MERIDIAN & RAY STS., NO. 1001 S. MERIDIAN ST.

B.M. NO. 11-F ELEV. 705.78
 □ CUT IN N.E. COR. OF CONC. STEP ON THE S.W. COR. OF ILLINOIS ST. & RAY ST., NO. 1002 S. ILLINOIS ST.

B.M. NO. 12-F ELEV. 711.51
 □ CUT IN CONC. WALK AROUND BLDG. ON THE S.E. COR. OF ILLINOIS & WILKINS STS., 8' E. OF E. CURB LINE OF ILLINOIS & 8' S. OF S. CURB LINE OF WILKINS.

B.M. NO. 13-F ELEV. 711.21
 □ CUT IN N.W. COR. OF CONC. TELEPHONE BOOTH BASE, ON THE N.E. COR. OF WILKINS & MERIDIAN STS.

B.M. NO. 14-F ELEV. 711.32
 □ CUT IN CONC. CURB ON THE N.E. COR. OF UNION & WILKINS STS., 1' E. OF A CURB INLET ON UNION ST. & 20' N. OF N. CURB LINE OF WILKINS ST.

B.M. NO. 15-F ELEV. 713.08
 N.W. COR. OF CONC. STEP AT ENT. TO 1001 S. UNION ST. (STELLERMAN ELECT. CO.)

B.M. NO. 16-F ELEV. 714.87
 □ CUT IN S.W. COR. OF BOTTOM STEP AT 749 S. UNION ST. ON THE N.W. COR. OF UNION & McCARTY STS. (UNITED STEELWORKERS BLDG.)

B.M. NO. 17-F ELEV. 709.55
 □ CUT IN CONC. CURB ON THE N.W. COR. OF McCARTY & MADISON. 6' W. OF W. CURB LINE OF MADISON & 1' E. OF A CURB INLET.

B.M. NO. 18-F ELEV. 709.10
 □ CUT IN CONC. CURB ON THE E. CURB LINE OF MADISON AVE., 1' S. OF A CURB INLET. 8' N. & 8' W. OF P.W.P. NO. 196-586-A. (NORTH CORNER OF GOODYEAR STORE)

B.M. NO. 19-F ELEV. 713.88
 □ CUT IN 1'x1' CONC. LAMP POST BASE, 6' W. OF W. CURB LINE OF MADISON AVE., 1' S. OF S. CURB LINE OF W. MORRIS ST. ENT. ACROSS ST. & IN FRONT OF FIRE STATION NO. 17

B.M. NO. 20-F ELEV. 721.13
 □ CUT IN 1'x1' CONC. LAMP POST BASE, 1' S. OF S. CURB LINE ON PROSPECT. AT END OF ALABAMA ST.

B.M. NO. 21-F ELEV. 723.84
 □ CUT IN CONC. CURB ON THE W. CURB LINE OF HIGH ST., N.W. COR. OF WOODLAND & HIGH ST., 1' S. OF A CURB INLET.

B.M. NO. 22-F ELEV. 726.98
 □ CUT IN CONC. CURB ON THE S.W. COR. OF WOODLAWN & NEW JERSEY STS., 4' S. OF S. CURB LINE OF WOODLAWN.

B.M. NO. 23-F ELEV. 731.72
 □ CUT IN S.E. COR. OF CONC. WALK AT 734 S. NEW JERSEY ST. ON THE N.W. COR. OF BICKING & NEW JERSEY STS.

B.M. NO. 24-F ELEV. 729.14
 □ CUT IN CONC. CURB ON THE N.W. COR. OF BICKING & HIGH STS., 1' N. OF A CURB INLET & HIGH, & 20' N. OF N. CURB LINE OF BICKING.

B.M. NO. 25-F ELEV. 719.54
 □ CUT IN CONC. CURB ON THE N.E. COR. OF BICKING & ALABAMA STS., 4' W. & 2' S. OF A FIRE HYDRANT.

B.M. NO. 26-F ELEV. 709.65
 □ CUT IN CONC. CURB ON THE S.W. COR. OF DELAWARE & McCARTY, 1' W. OF A CURB INLET & McCARTY ST.

B.M. NO. 27-F ELEV. 725.92
 □ CUT IN 1'x1' CONC. (WALK & WAIT) SIGN BASE ON THE N.W. COR. OF ALABAMA & McCARTY STS., 1' N. OF N. CURB LINE OF McCARTY ST. & 40' W. OF W. CURB LINE OF ALABAMA ST.

B.M. NO. 28-F ELEV. 731.78
 □ CUT IN N.E. COR. OF 5'x10' CONC. SLAB ON THE S.E. COR. OF HIGH & McCARTY STS., 1' S. OF S. CURB LINE OF McCARTY ST. & 20' E. OF E. CURB LINE OF HIGH ST.

SEC. 'F'
 BENCH MARKS

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(15) 77		80	297	

November 6, 1961

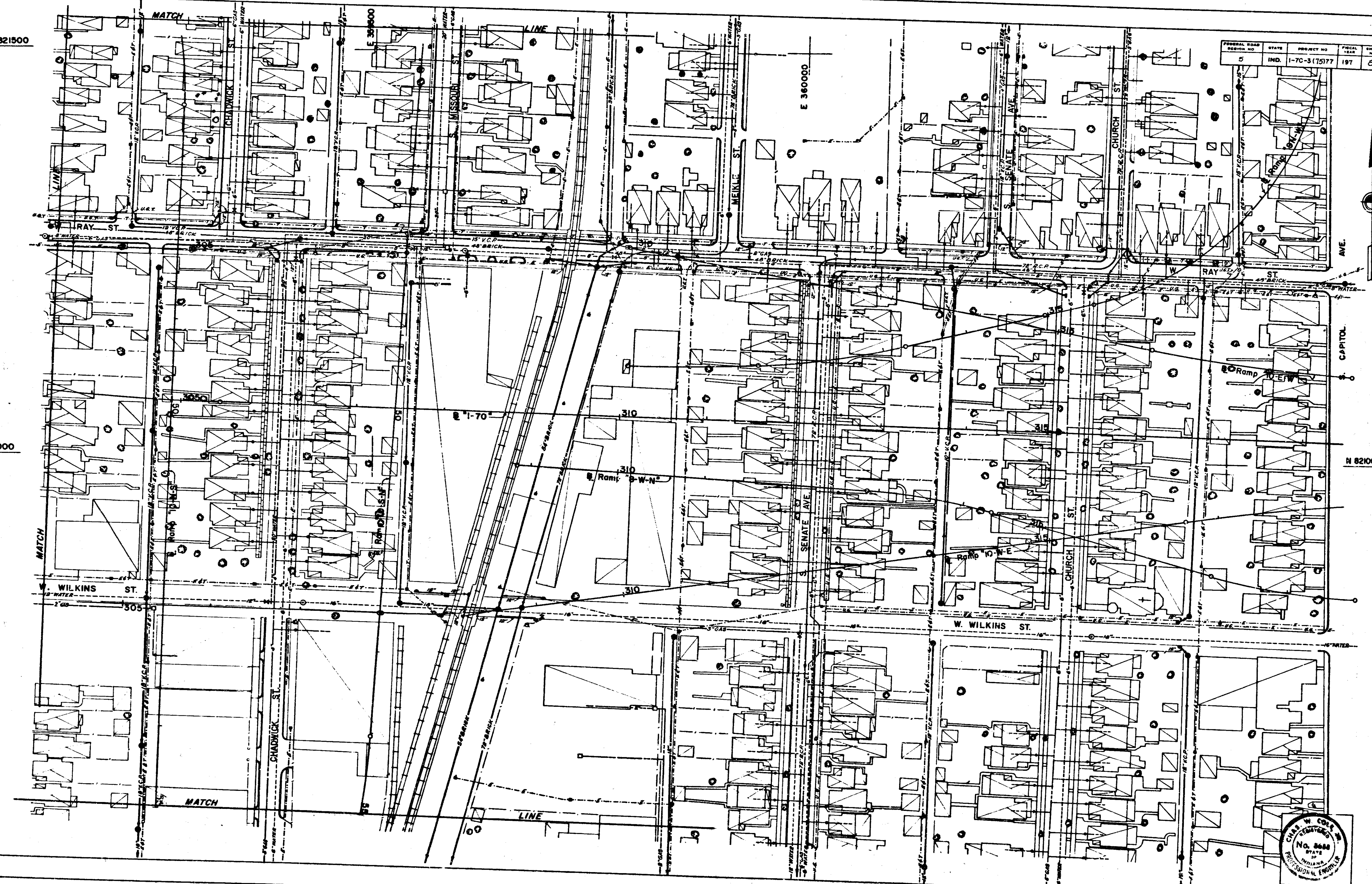
PLAN
No. 3648
STATE OF INDIANA
No. 3648
No. 3648

N 821500

N 821000

N 821000

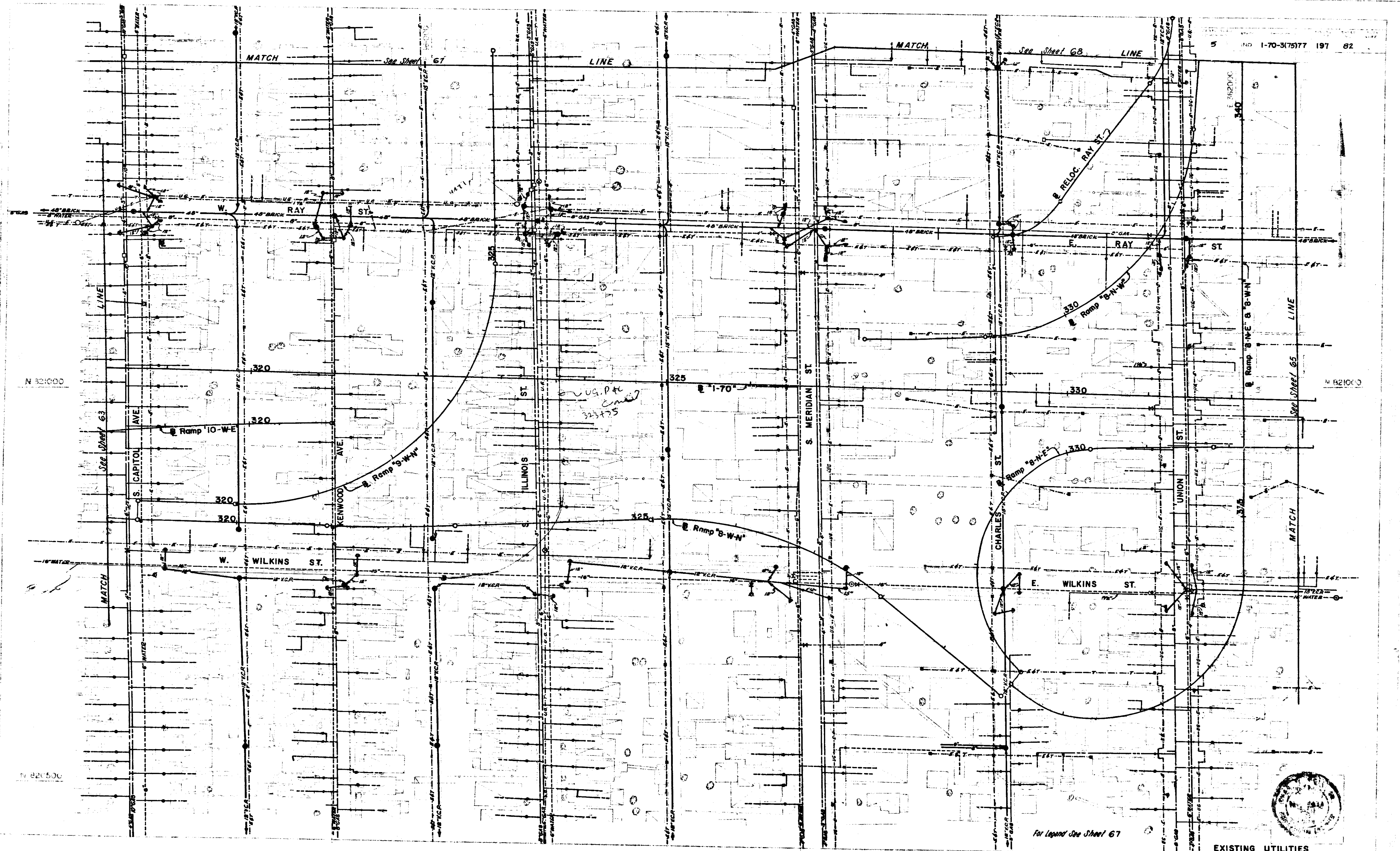
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	81	



EXISTING UTILITIES

PROJECT NO.	LINE	DATE	BY	FILE
1-70-3(75)77		81	237	

PLAN
1/8" = 1'-0"
1-70-3(15)77 197 82



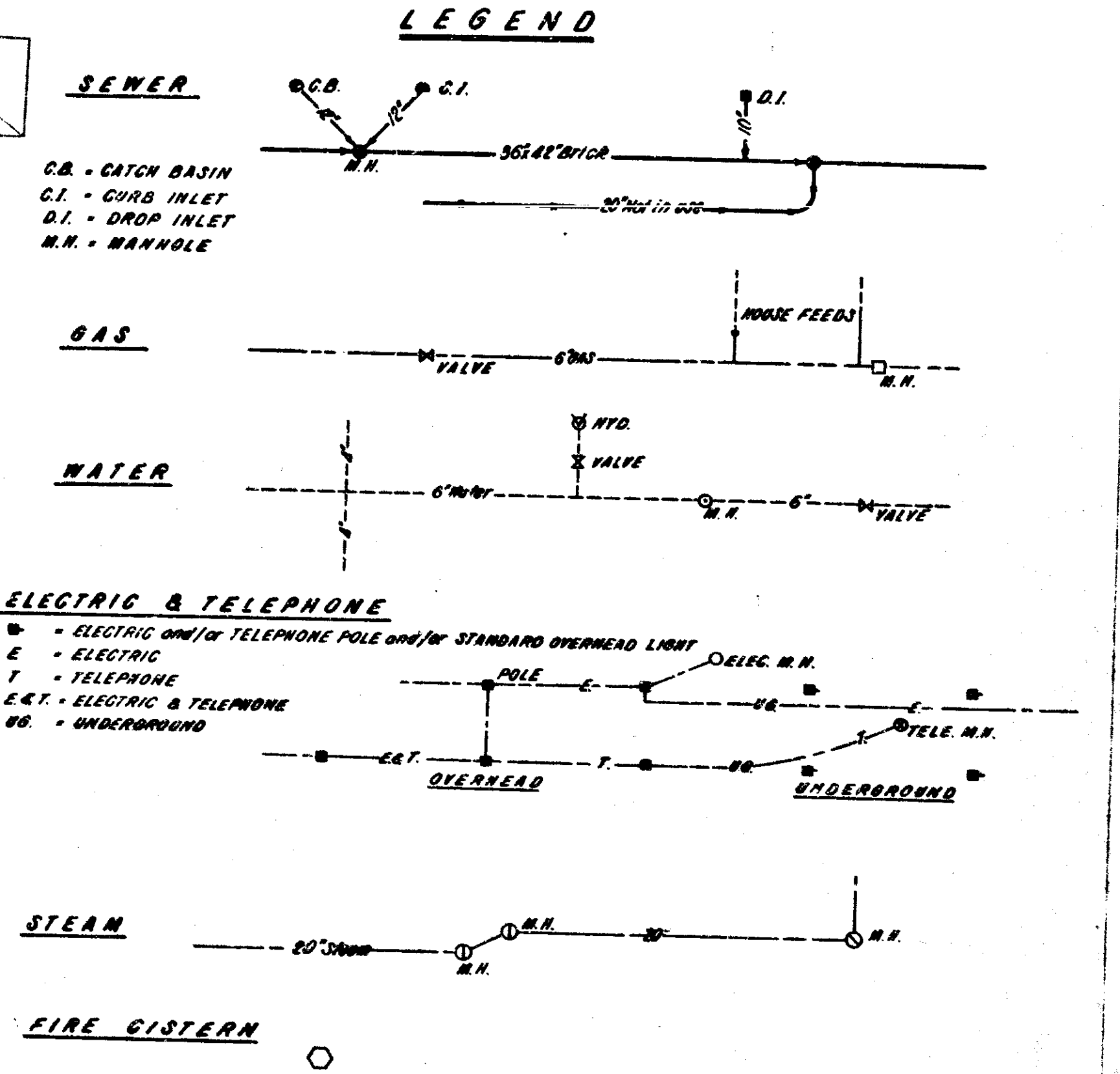
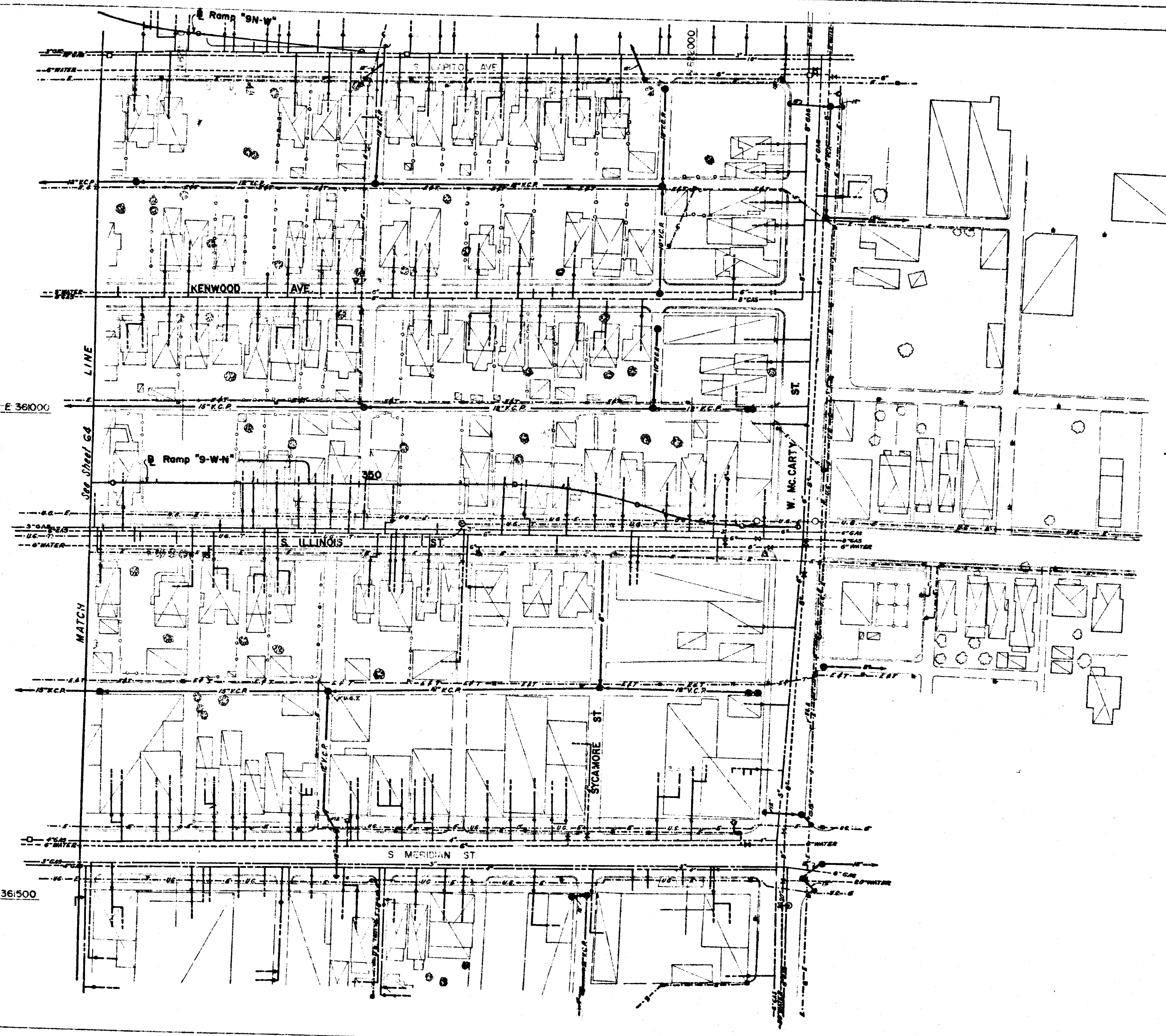
1-70-3(15)77 197 82

For Legend Use Sheet 67

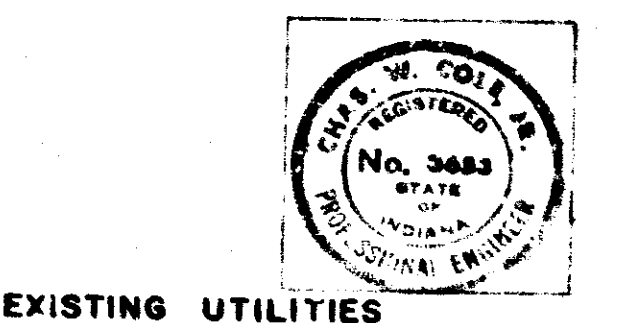


EXISTING UTILITIES

1-70-3(15)77 82 237



PLAN
 DRAWN BY
 CHECKED BY
 DATE



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	1-70-3(75) 77	197	84	

DATE	BY
PLAN	REVISION
	NOTE
	BOOK
	PL. OF MAP
	CHECKED
	DATE

BEGIN PROJECT 1-70-3(75) 77 RE (PHASE I)
 BEGIN PROJECT 1-70-3(75) 77 RE (PHASE II)
 END PROJECT 1-70-3(75) 77 RE
 STA 200+00 TO STA 1+70 AHEAD
 STA 003+44.01 TO 1+70 BACK

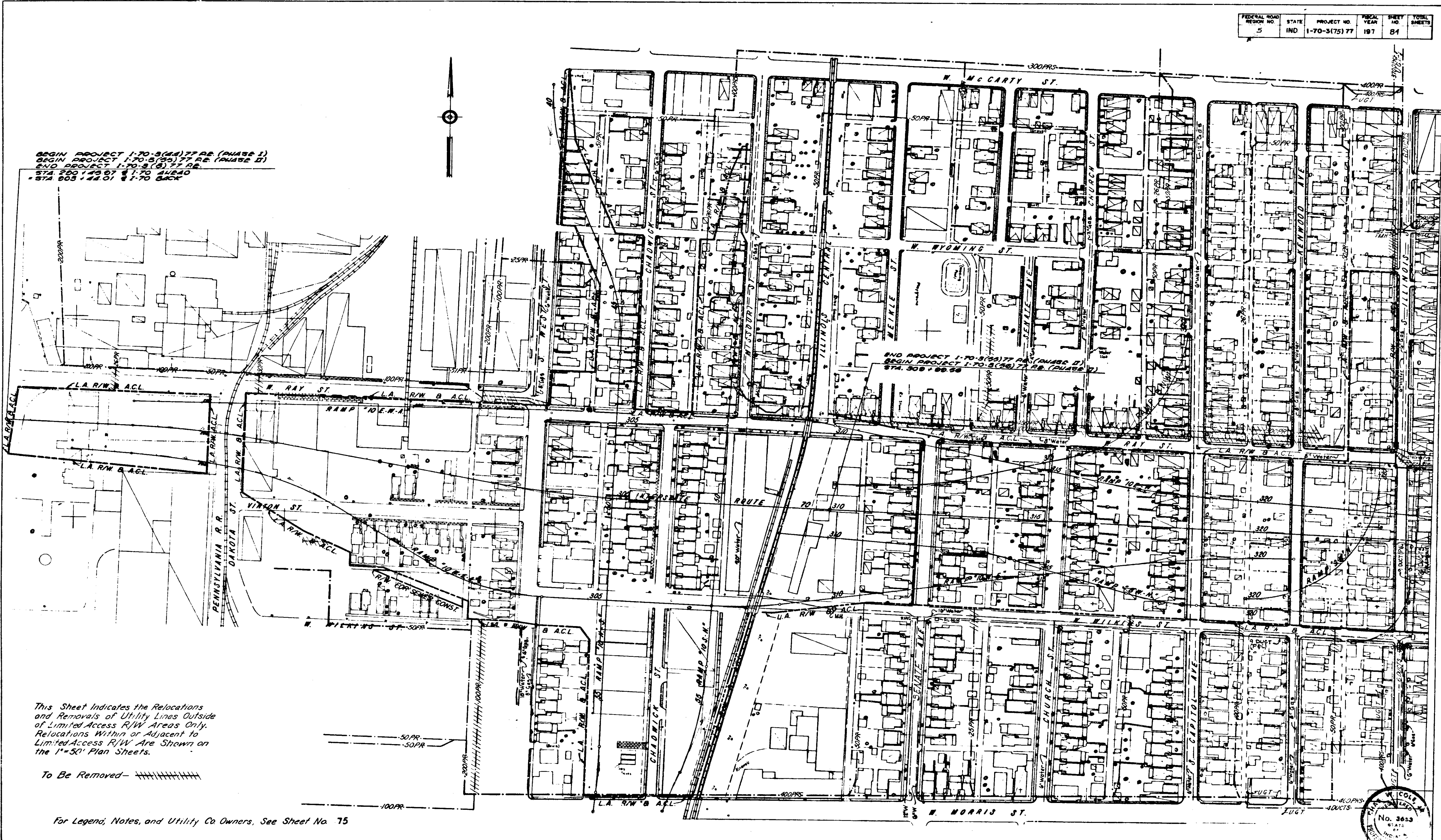
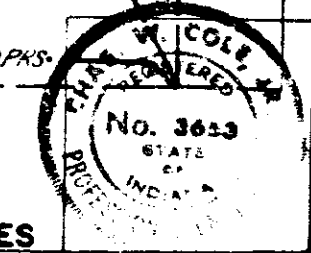
BEGIN PROJECT 1-70-3(75) 77 RE (PHASE I)
 BEGIN PROJECT 1-70-3(75) 77 RE (PHASE II)
 END PROJECT 1-70-3(75) 77 RE
 STA 300+00 TO STA 1+70 AHEAD

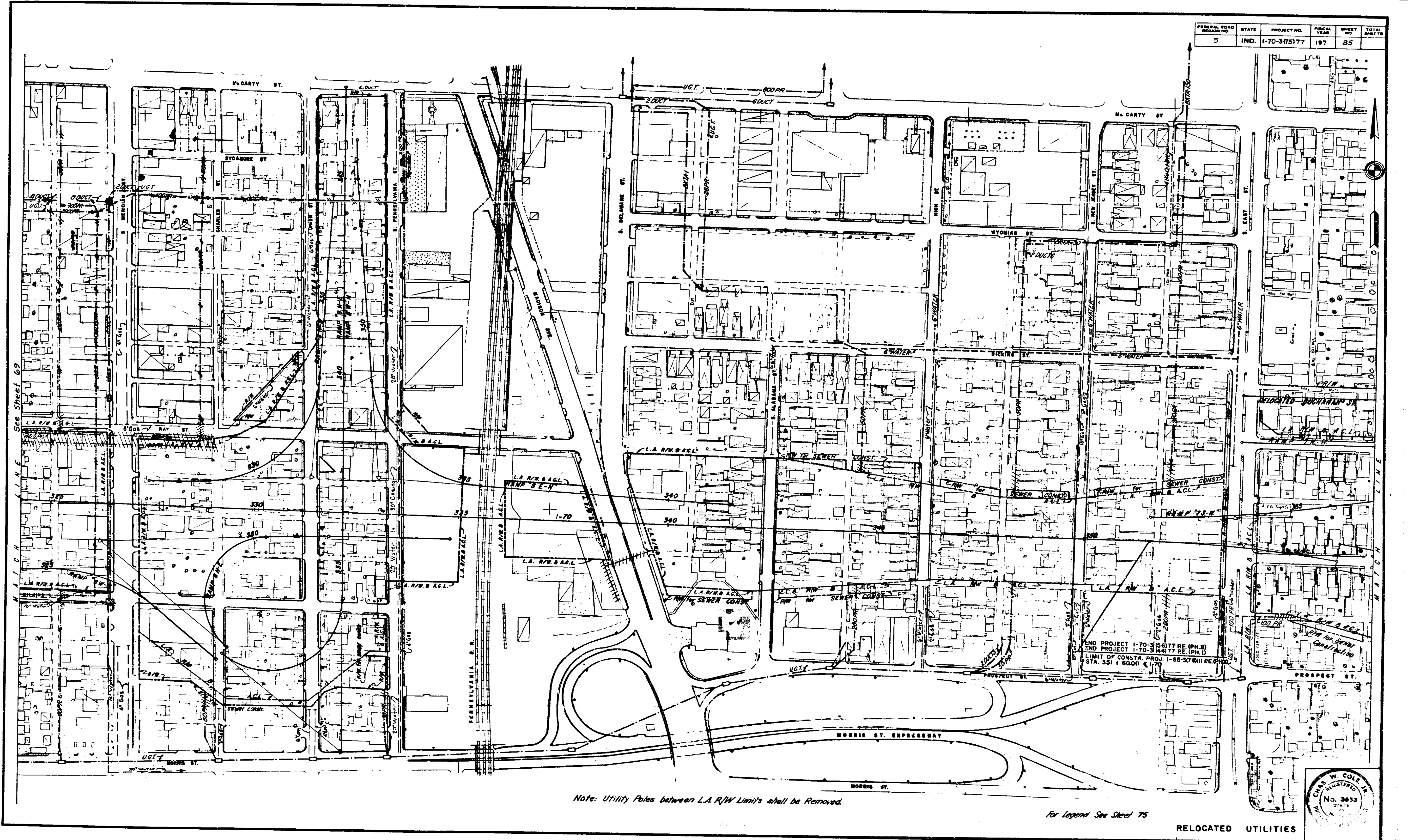
This Sheet Indicates the Relocations and Removals of Utility Lines Outside of Limited Access R/W Areas Only. Relocations Within or Adjacent to Limited Access R/W Are Shown on the 1"=50' Plan Sheets.

To Be Removed - [hatched line symbol]

For Legend, Notes, and Utility Co Owners, See Sheet No. 75

RELOCATED UTILITIES			
PROJECT NO.	LINE	DATE	FILE
1-70-3(75) 77		84	237

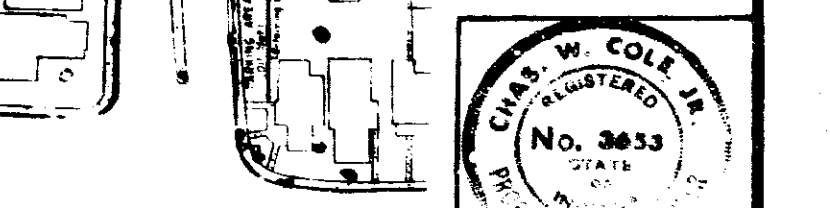




FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3175/77	197	85	

Note: Utility Poles between L.A. R/W Limits shall be Removed.

For Legend See Sheet 75

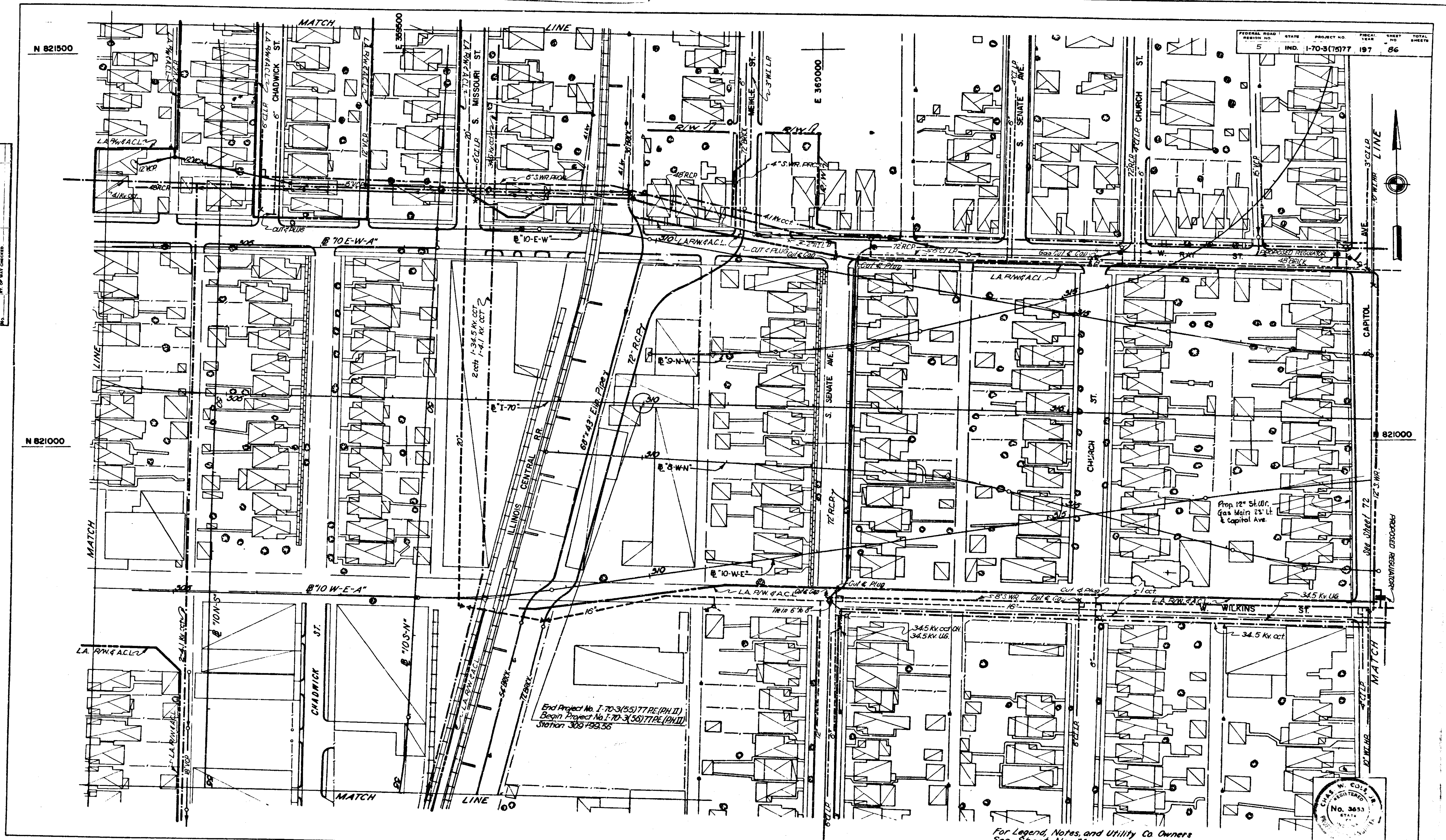


RELOCATED UTILITIES

November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3175/77		85	237	

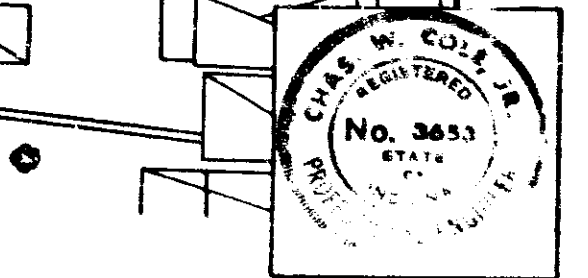
PLAN
 DIVISION
 DATE
 NOTE BOOK NO. OF WAY CHECKED



End Project No. 1-70-3(55)77 RE (PH II)
 Begin Project No. 1-70-3(55)77 RE (PH I)
 Station 303+93.56

Prop. 12" St. W. Gas Main 23" Lt. & Capitol Ave.

For Legend, Notes, and Utility Co. Owners See Sheet No. 75



RELOCATED UTILITIES

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
1-70-3(175)77		86	237	

PLAN
 DRAWN BY: [unclear]
 CHECKED BY: [unclear]
 DATE: [unclear]

Prop. 18" S.W. Gas Main
 28" L. & Capitol Ave.

N 821000

N 82500

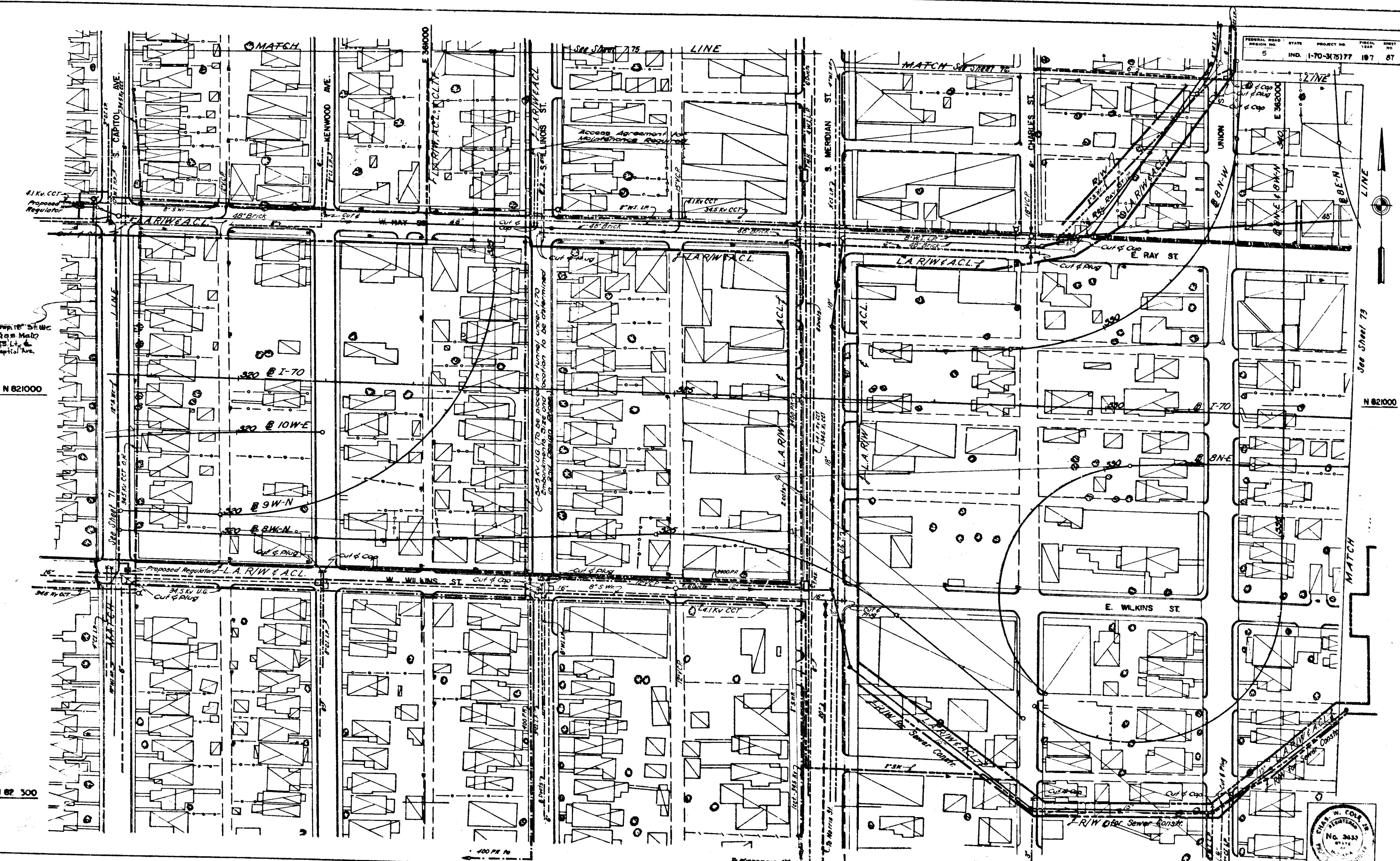
400 PM 10

Alley East of Capitol Ave.

To W. Wilkins St.

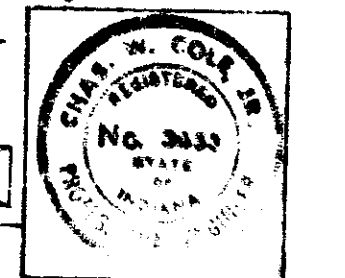
To Capitol Ave.

To Penn St. For Legend, Notes, and Utility Co. Owners, See Sheet No. 75



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(75)77	197	87	

RELOCATED UTILITIES			
PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS
1-70-3(75)77		87	237



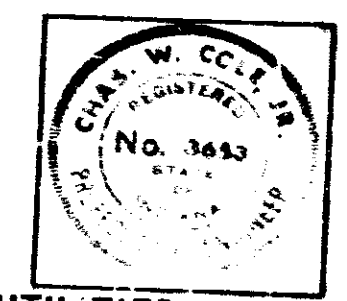


LEGEND		
UTILITY	EXISTING UTILITY	RELOCATED UTILITY
WATER	---	---
TELEPHONE	---	---
ELECTRIC	---	---
GAS	---	---
STEAM	---	---
SANITARY	---	---
SEWER	---	---

UTILITY COMPANIES		
UTILITY	OWNERS	ADDRESS
WATER	INDIANAPOLIS WATER CO.	1220 WATERWAY BLDG., INDIANAPOLIS, IND. 46207
TELEPHONE	INDIANA BELL TELEPHONE CO. INC.	240 N. MERIDIAN ST., INDIANAPOLIS, IND. 46208
ELECTRIC	INDIANAPOLIS POWER & LIGHT CO.	25 MONUMENT CIRCLE, INDIANAPOLIS, IND. 46206
GAS	CITIZENS GAS & COKE UTILITY	2020 N. MERIDIAN ST., INDIANAPOLIS, IND. 46206
STEAM	INDIANAPOLIS POWER & LIGHT CO.	25 MONUMENT CIRCLE, INDIANAPOLIS, IND. 46206
SANITARY SEWERS	INDIANAPOLIS SANITARY DISTRICT	2541 CITY-COUNTY BUILDING, INDIANAPOLIS, IND. 46209

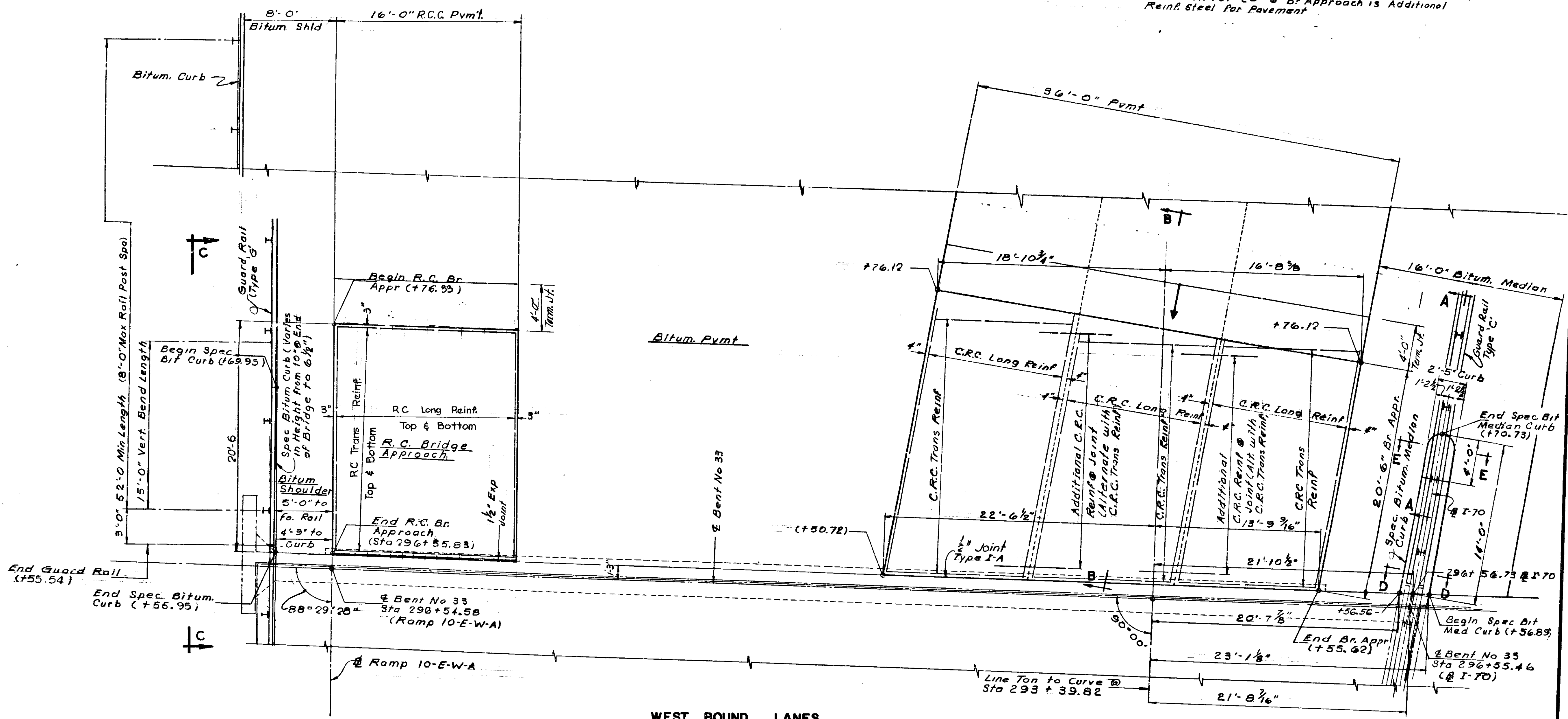
NOTES:
 For additional utility symbols refer to EXISTING UTILITY SHEETS.
 Utility relocations indicated on these sheets are shown in their approximate locations only. The exact locations are to be established in PHASE II design. Unless otherwise indicated, all existing utilities within the Limited Access R/W areas are to be abandoned or removed. For utilities to be abandoned or removed outside the Limited Access R/W areas refer to the 1"-100' UTILITY RELOCATION PLANS.

PLAN
 SHOWS
 RELOCATED UTILITIES
 AND
 EXISTING UTILITIES
 TO BE ABANDONED OR REMOVED



BRIDGES OVER 20' SPAN				
FILE NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	I-70-3 (75) 77	1970	89

Notes:
 For R.C. Bridge Approach Details See Rd Std B
 For C.R.C. Pvmf Details See Rd Std Accel & B.C.R.C. & C.R.C.
 Reinf Shown for 20'-6" Br Approach is Additional
 Reinf Steel for Pavement

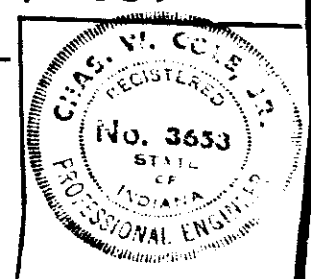


WEST BOUND LANES

APPROACH DETAILS
 INDIANA STATE HIGHWAY COMMISSION

SCALE: 1/4" = 1'-0"
 SUBMITTED FOR APPROVAL: [Signature]

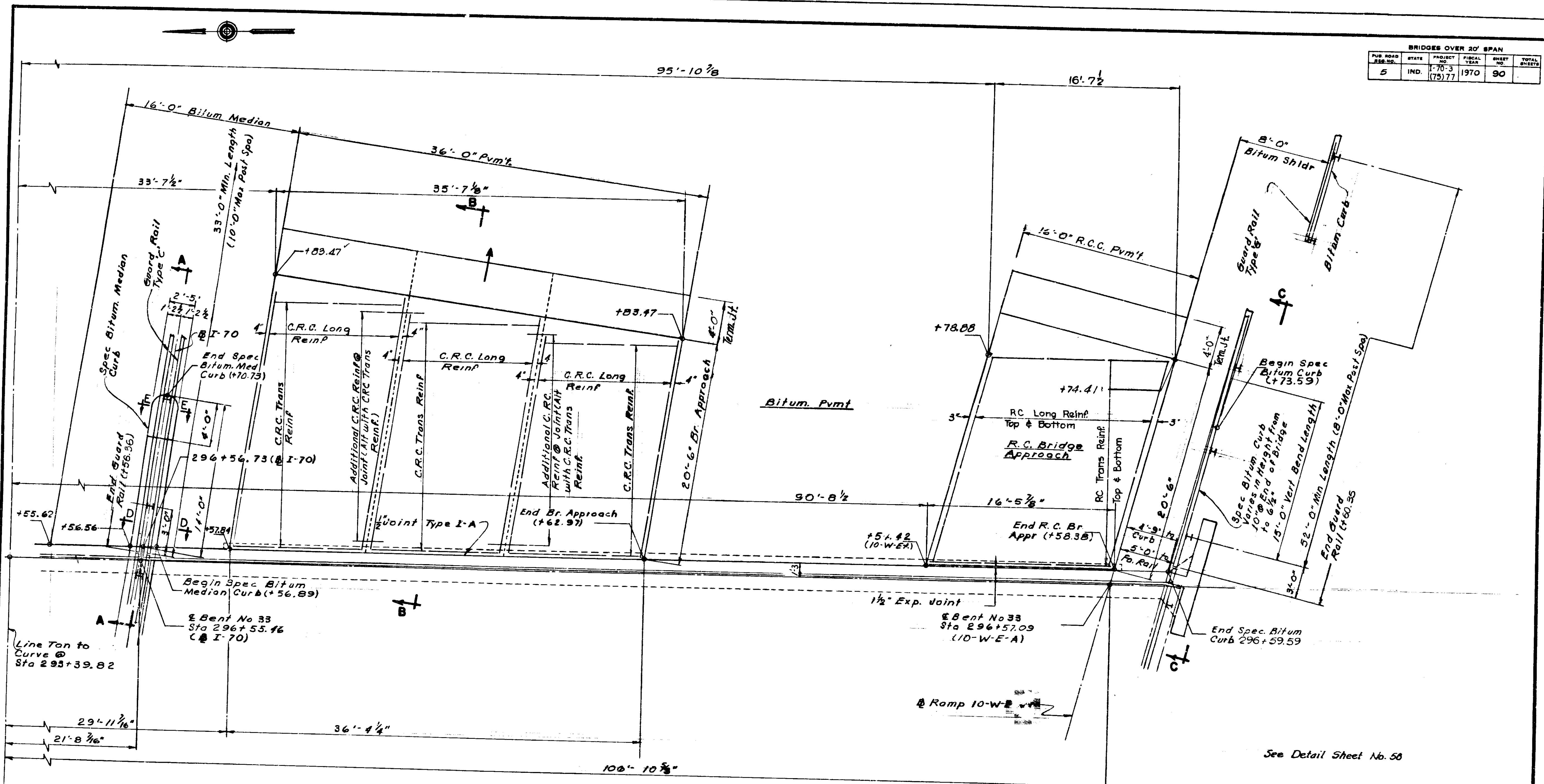
JAN. 10, 1969
 DRAWING: OF
 PROJECT:
 BRIDGE CONTRACT NO.
 BRIDGE FILE: I-70-77-2386



DESIGNED: CKD
 DRAWN: AJT
 TRACED: CKD

See Detail Sheet No. 58

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(75)77		89	237	



BRIDGES OVER 20' SPAN					
FILE NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (75)77	1970	90	

EAST BOUND LANES

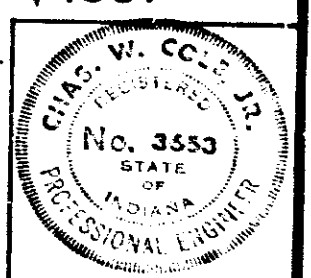
APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

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

JAN. 10, 1969

SUBMITTED FOR APPROVAL: *[Signature]*

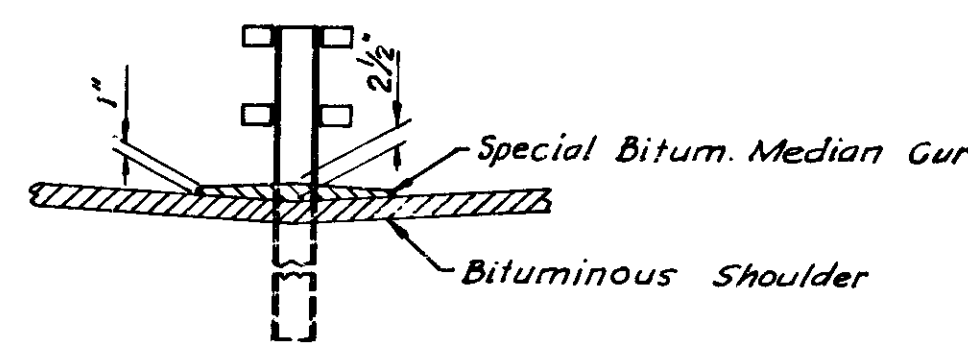
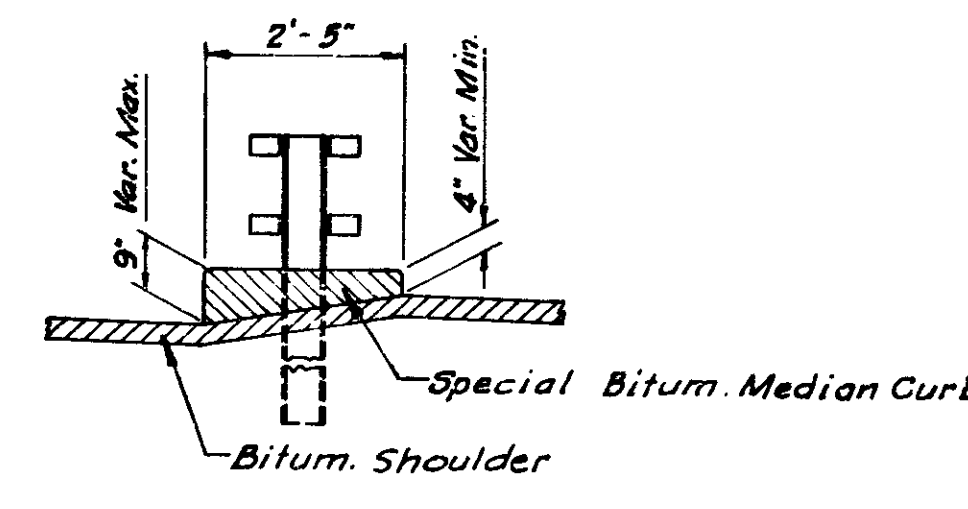
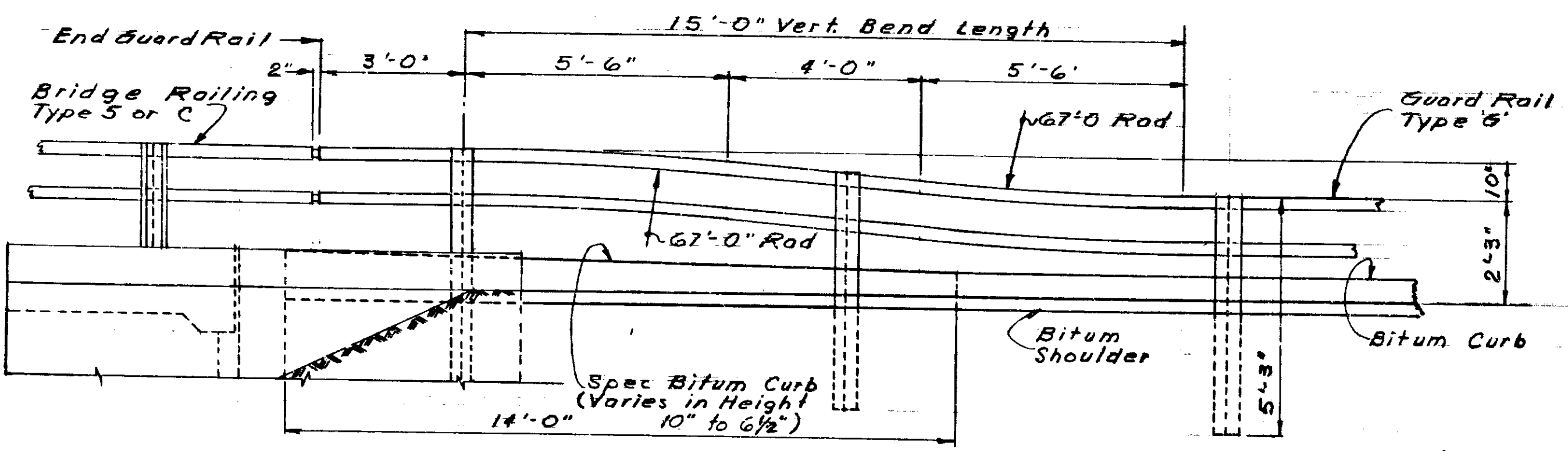
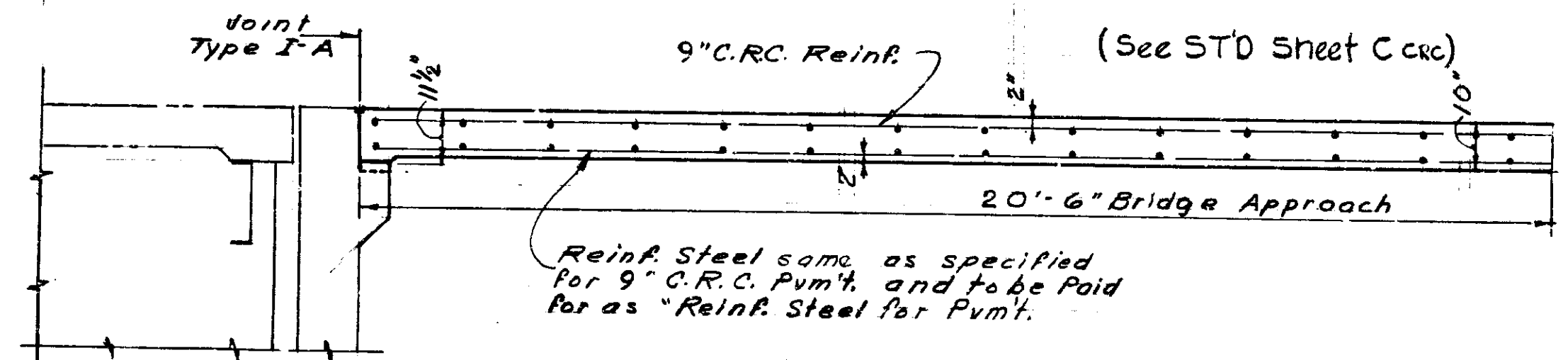
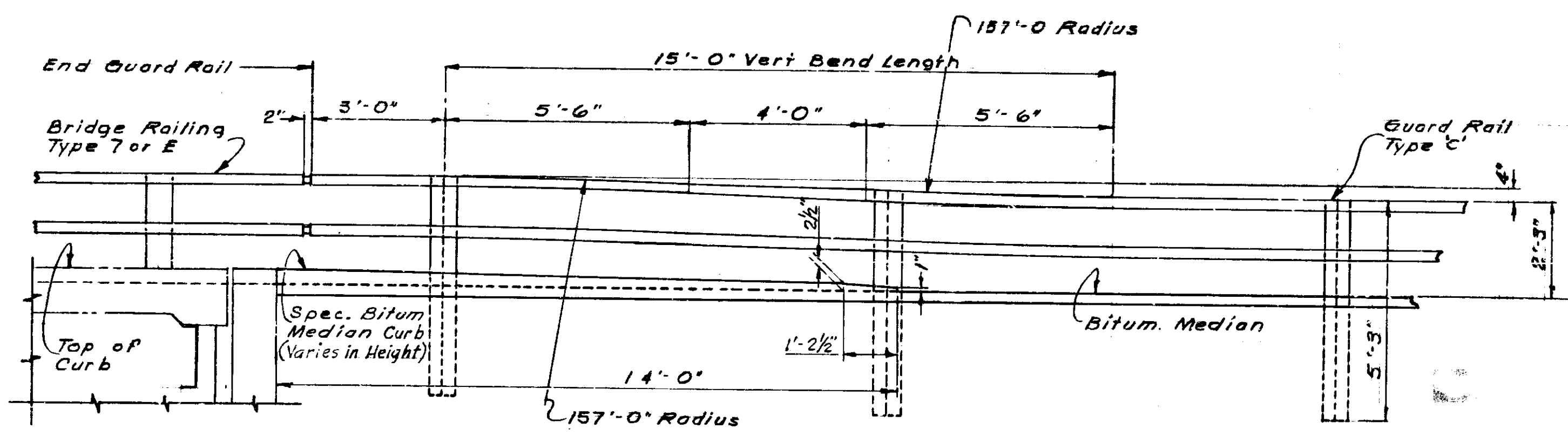
DRAWING OF
PROJECT:
BRIDGE CONTRACT NO.
BRIDGE FILE: I-70-77-2386



DESIGNED	CRD.
DRAWN	A.L.T.
TRACED	CRD.

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(75)77		90	237	

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND	I-70-3 (75) 77	1970	91



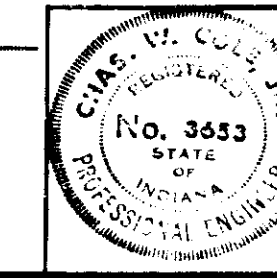
Bill of Material	
Ramp 10 E-W-A	
Reinforcing Steel	
Additional Reinf. Steel -	862 lbs
Miscellaneous	
Spec. Bitum. Curb	14 Lin Ft
R.C. Bridge Appr. (10")	36 Sq Yd
1 1/2" Pref. Exp. Jt	16 Lin Ft
I-70	
Additional Reinf. Steel	
Per Pymt. - Westbound	2103 lbs
Additional Reinf. Steel	
Per Pymt. - Eastbound	2193 lbs
Total Additional	
Reinf. Steel for Pymt	4376 lbs
C.R.C. Bridge Approach	
- West Bound	92 Sq Yd
C.R.C. Bridge Approach	
East Bound	92 Sq Yd
TOTAL - C.R.C.	
Bridge Approach	184 Sq Yd
Spec. Bitum. Median	
Curb	14 Lin Ft
RAMP 10 W-E-A	
Reinforcing Steel	
Additional Reinf. Steel	1052 lbs
Miscellaneous	
Spec. Bitum. Curb	14 Lin Ft
R.C. Bridge Approach	44 Sq Yd
1 1/2" Pref. Exp. Jt.	17 Lin Ft

SUMMARY OF QUANTITIES	
Add. Reinf. Steel for Pymt	6290 lbs
R.C. Bridge Approach (10")	84 Sq Yd
Spec. Bitum. Curb	28 Lin Ft
Spec. Bitum. Median Curb	6 Sq Yd
1 1/2" Pref. Exp. Jt	83 Lin Ft
1/2" Joint Type I-A	74 Lin Ft
Terminal Joint	104 Lin Ft
C.R.C. Bridge Approach (10")	184 Sq Yd

* Not a Pay Item.

APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

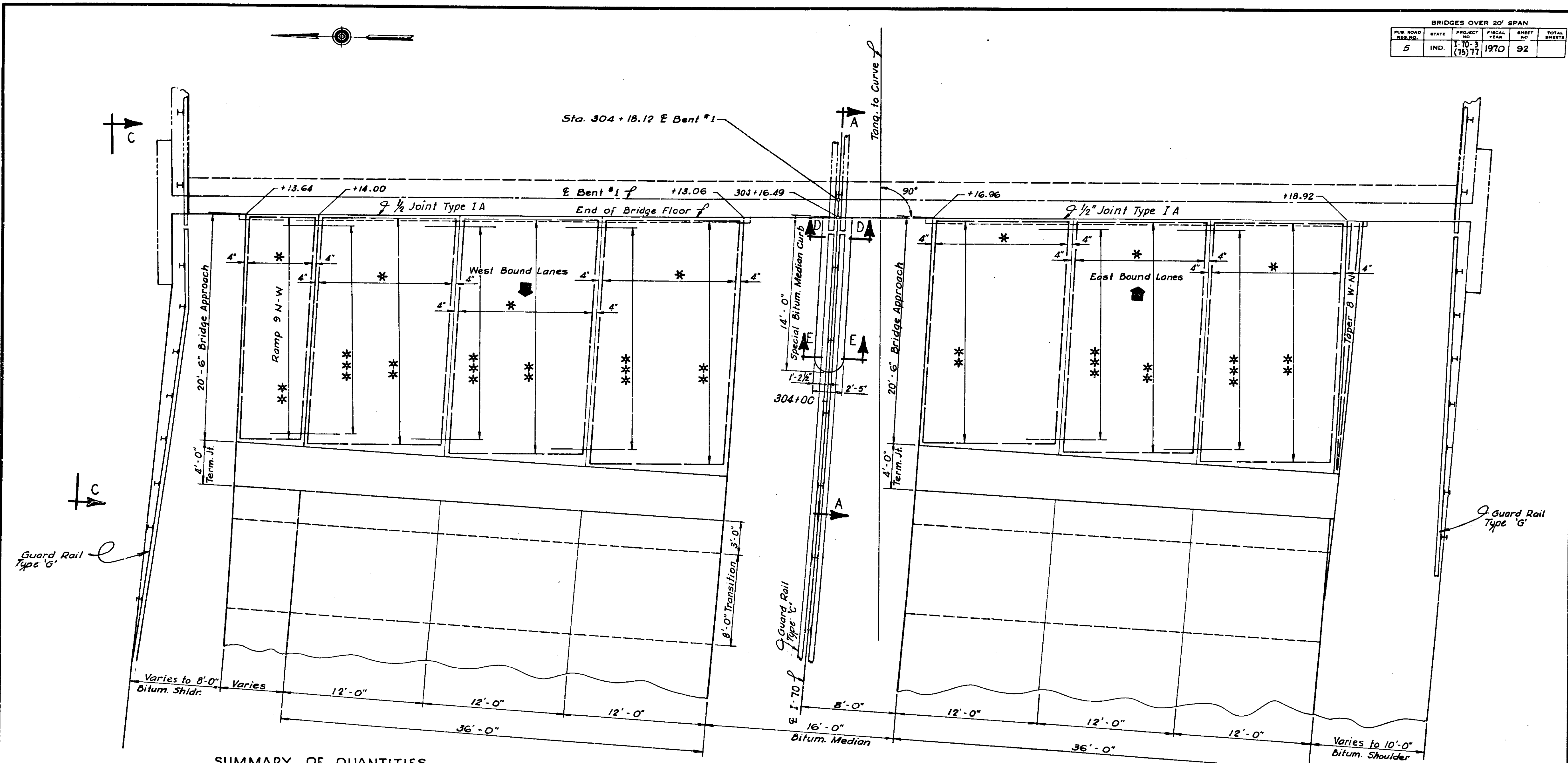
SCALE: 1/2" = 1'-0"
JAN. 10, 1969
SUBMITTED FOR APPROVAL: *[Signature]*
DRAWING: OF
PROJECT: BRIDGE CONTRACT NO.
BRIDGE FILE: I-70-77-2386



DESIGNED: <i>[Signature]</i>	C.R.D.
DRAWN: <i>[Signature]</i>	C.R.D. / M.H.M.
TRACED: <i>[Signature]</i>	C.R.D.

PROJECT NO.	LINE	SHEET	TOTAL SHEETS
I-70-3(75)77		91	237

BRIDGES OVER 20' SPAN					
FILE ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
5	IND.	I-70-3 (19)77	1970	92	



SUMMARY OF QUANTITIES

Additional Reinf. Steel for Pav't, West Bound = 2040 Lbs.
 Additional Reinf. Steel for Pav't, East Bound = 1867 Lbs.
 Total Additional Reinf. Steel for Pav't = 3907 Lbs.

Additional C.R.C. Pavement (9') West Bound = 18.88 Sys.
 Additional C.R.C. Pavement (9') East Bound = 18.67 Sys.
 Total Additional C.R.C. Pavement (9') = 37.55 Sys.

Special Bituminous Median Curb = 6 Sys.
 Terminal Joint for C.R.C. Pavement = 78.0 Lin. Ft.
 1/2" Type I-A Joint (Not a pay item) = 80.0 Lin. Ft.

- * C.R.C. Longitudinal Reinforcing
- ** C.R.C. Transverse Reinforcing
- *** Additional C.R.C. Reinforcing @ Joint (Alternate with C.R.C. Transverse Reinf.)

APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

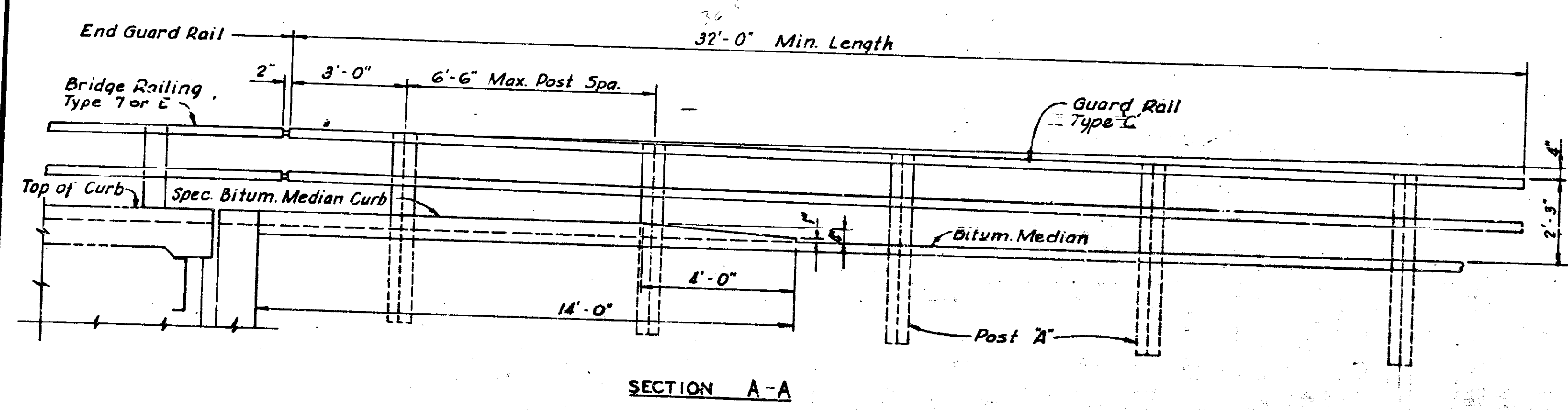
SCALE: 1/4" = 1 Foot
 1969
 RECOMMENDED FOR APPROVAL: _____
 DRAWING OF PROJECT: _____
 BRIDGE CONTRACT NO. _____
 BRIDGE FILE: I-70-77-24164J

DESIGNED	CKD	
DRAWN	C.C.R.	H.C.B.
TRACED	CKD	

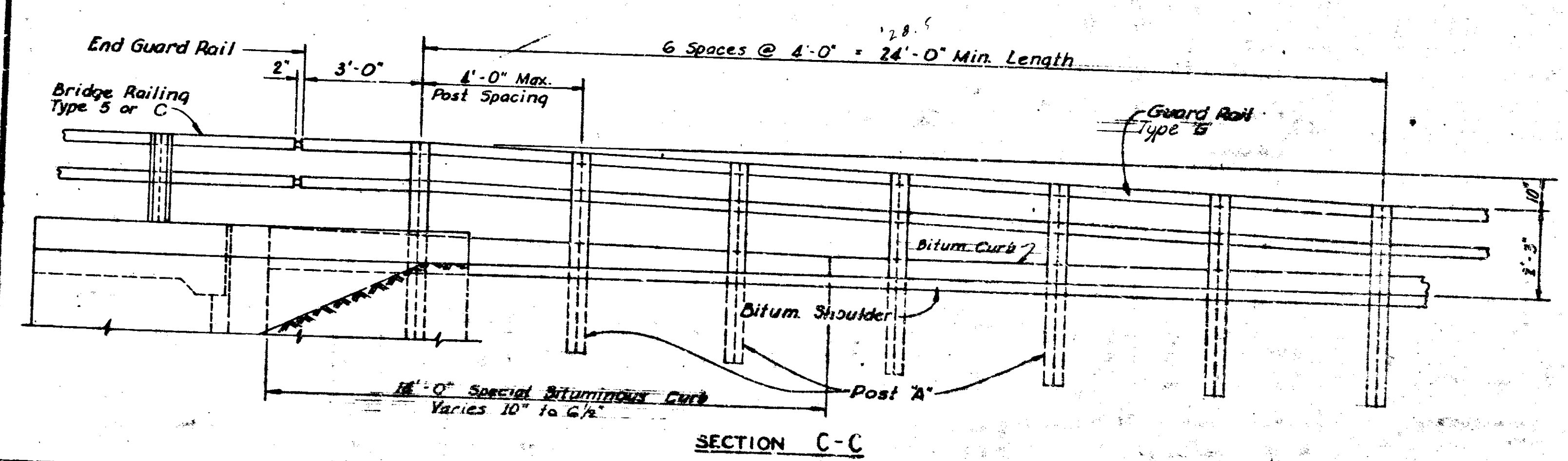
See Detail Sheet No. 58
 for Section D-D 1'E-E

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-317577		92	237	

BRIDGES OVER 2' SPAN					
PUB. ROAD DISTRICT	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (95) 77	1970	93	



SECTION A-A



SECTION C-C

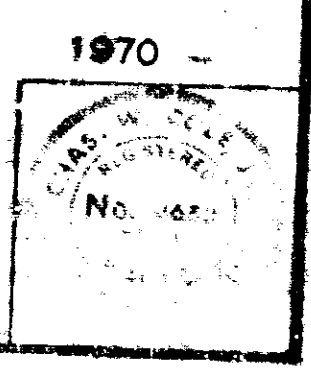
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: 1/2" = 1 Foot

RECOMMENDED FOR APPROVAL:

DRAWING OF _____
 PROJECT: _____
 BRIDGE CONTRACT NO. _____
 BRIDGE FILE: I-70-77-24164J



PROJECT NO.	DATE	BY	FILE

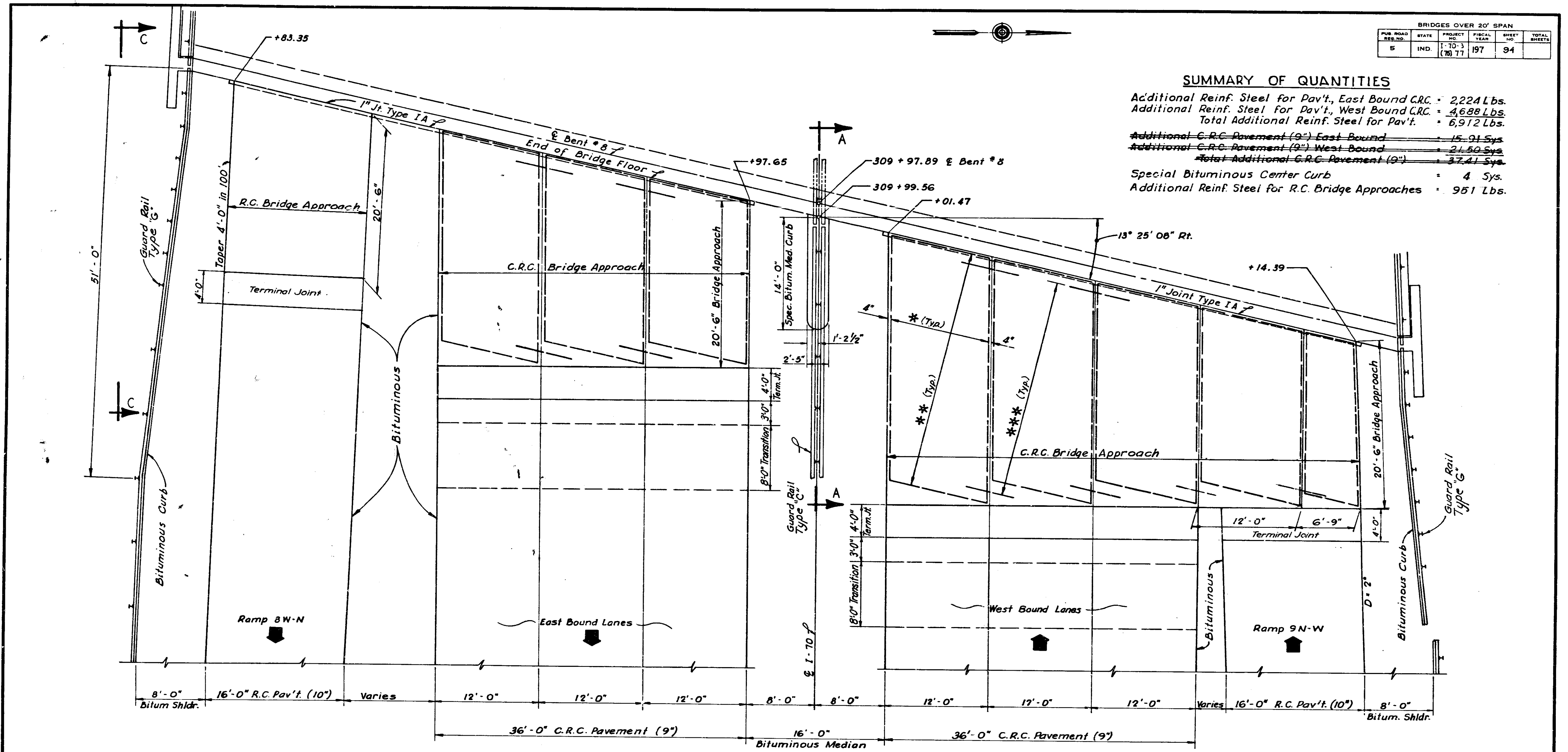
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	I-70-3 (77) 77	197	94

SUMMARY OF QUANTITIES

Additional Reinf. Steel for Pav't., East Bound C.R.C. = 2,224 Lbs.
 Additional Reinf. Steel for Pav't., West Bound C.R.C. = 4,688 Lbs.
 Total Additional Reinf. Steel for Pav't. = 6,912 Lbs.

Additional C.R.C. Pavement (9") East Bound = 15.91 Sys.
 Additional C.R.C. Pavement (9") West Bound = 21.50 Sys.
 Total Additional C.R.C. Pavement (9") = 37.41 Sys.

Special Bituminous Center Curb = 4 Sys.
 Additional Reinf. Steel for R.C. Bridge Approaches = 951 Lbs.



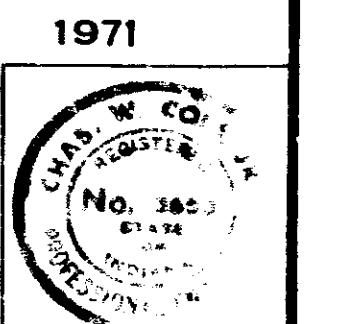
BRIDGE APPROACH DETAILS

INDIANA STATE HIGHWAY COMMISSION

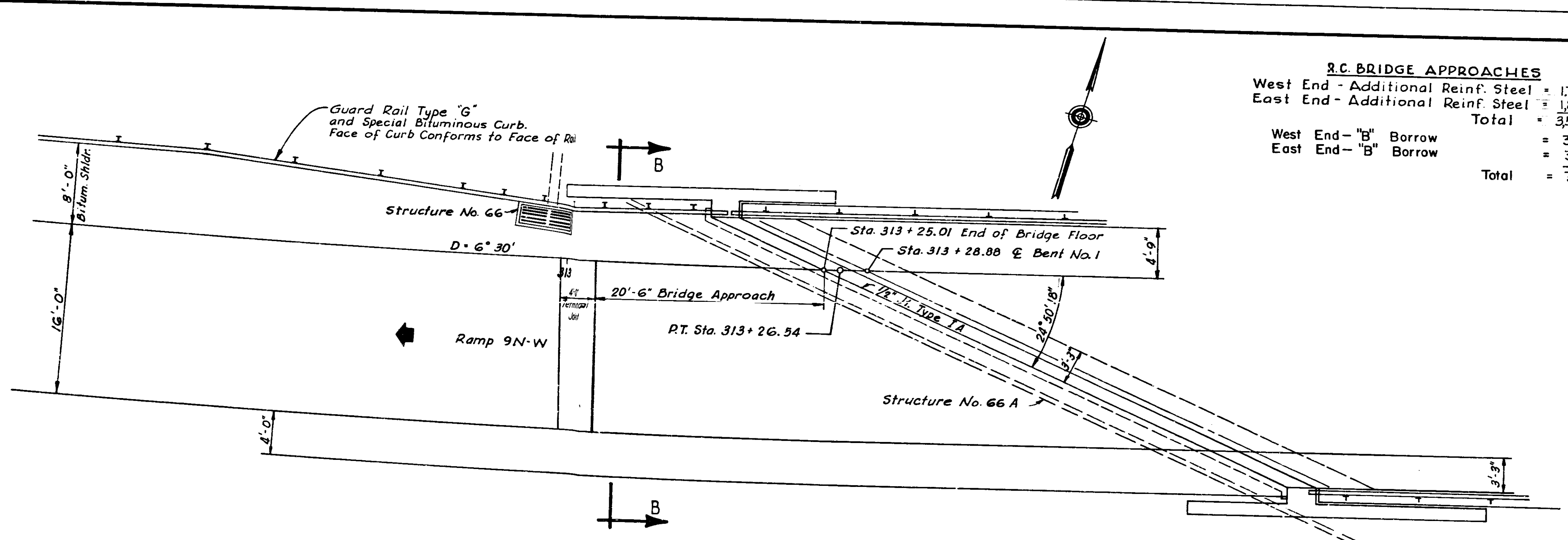
SCALE: 3/16" = 1 Foot
 SUBMITTED FOR APPROVAL: *Charles DeWitt* 3-22-77
 DRAWING OF PROJECT: I-70-3(77)77
 BRIDGE CONTRACT NO.
 USE FOR BRIDGE FILE: I-70-77-2416

- * C.R.C. Longitudinal Reinforcing
 - ** C.R.C. Transverse Reinforcing
 - *** Additional C.R.C. Reinforcing @ Joint (Alternate with C.R.C. Transverse Reinf.)
- Note: For C.R.C. & R.C. Bridge Approaches Reinforcing Details See Std. Sheets C crc & B.

DESIGNED	CKD
DRAWN	C.C.R. CKD H.C.B.
TRACED	CKD

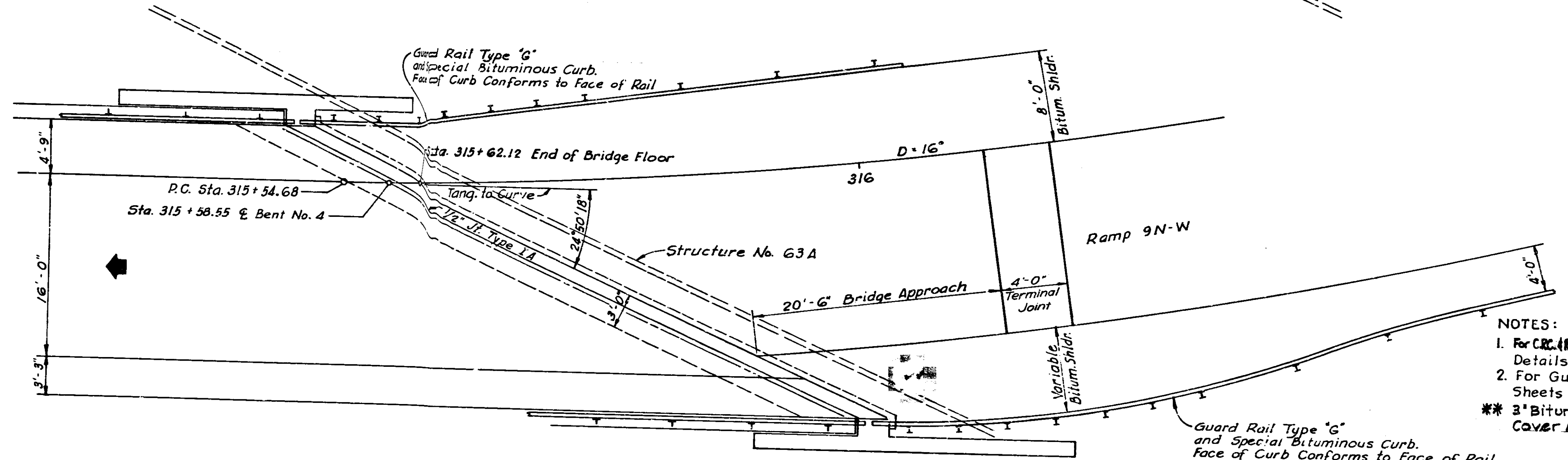


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(77)77		84	237	

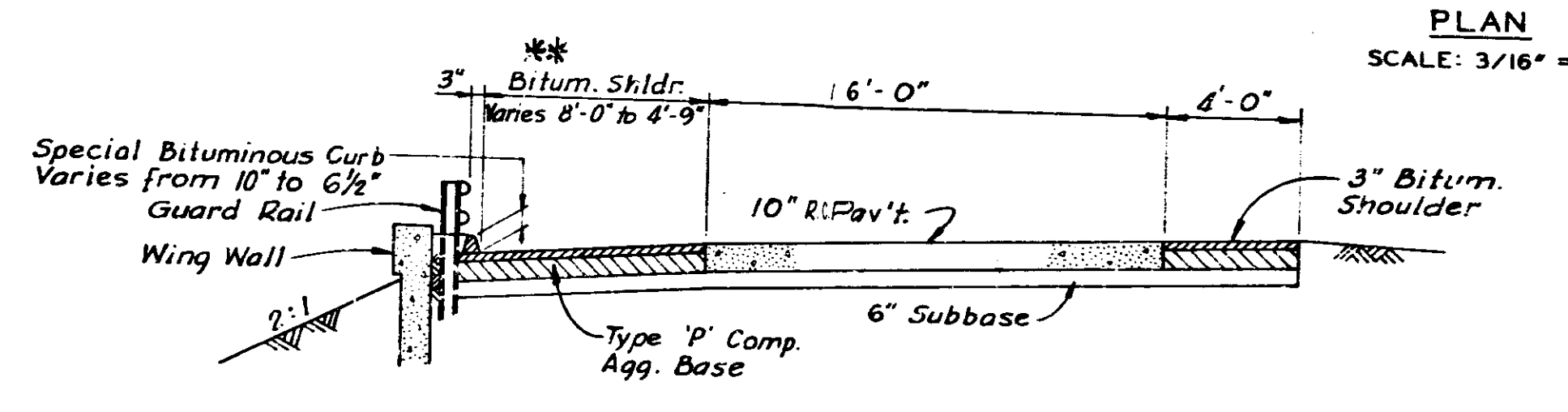


R.C. BRIDGE APPROACHES
 West End - Additional Reinf. Steel = 1,705 Lbs.
 East End - Additional Reinf. Steel = 1,845 Lbs.
 Total = 3,550 Lbs.
 West End - "B" Borrow = 36 Cys.
 East End - "B" Borrow = 38 Cys.
 Total = 74 Cys.

BRIDGES OVER 20' SPAN					
PUR. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (75) 77	197	95	



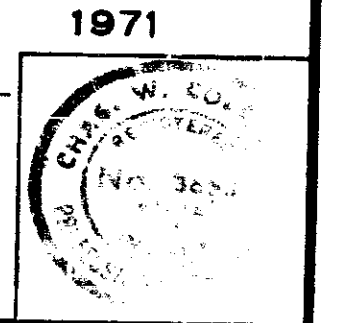
- NOTES:**
1. For R.C. Bridge Approach & Reinforcing Details See Std. Sheets C-CRC & D
 2. For Guard Rail Details See Standard Sheets GR4, GR5 & GR6
 - ** 3" Bitum. Base (size #5) with Type I Seal Cover Aggregate (Size #12)



**RAMP 9N-W
 APPROACH DETAILS
 INDIANA STATE HIGHWAY COMMISSION**

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *Charles* 3-29-71

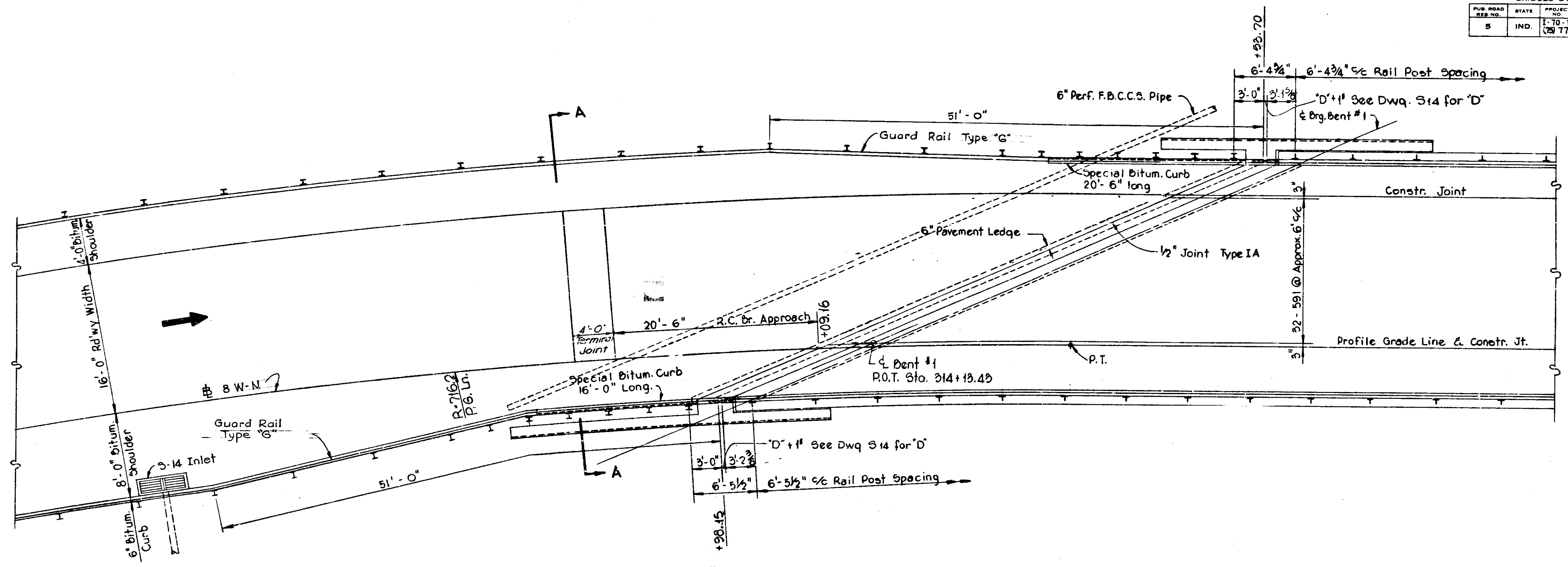
PROJECT: 1-70-3(7)77
 BRIDGE CONTRACT NO.
 BRIDGE FILE: 1-70-77-5643



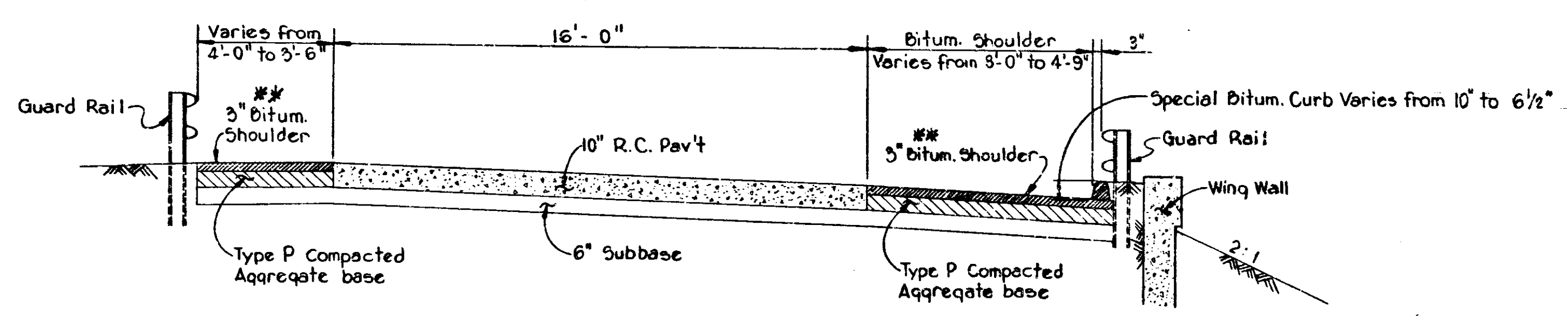
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(7)77		95	237	

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
3	IND.	I-70-3 (77)	197	96



PLAN
Scale: 3/16" = 1'-0"

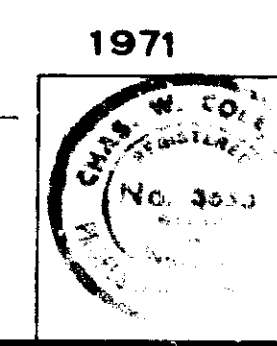


SECTION A-A
Scale: 3/8" = 1'-0"

3" Bituminous Base (Size #5) with Type I Seal
Cover Aggregate (Size #12)

RAMP 8W-N BRIDGE APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED
SUBMITTED FOR APPROVAL: *Chawlsdy* 3-29-71



BRIDGE FILE: I-70-77-5644

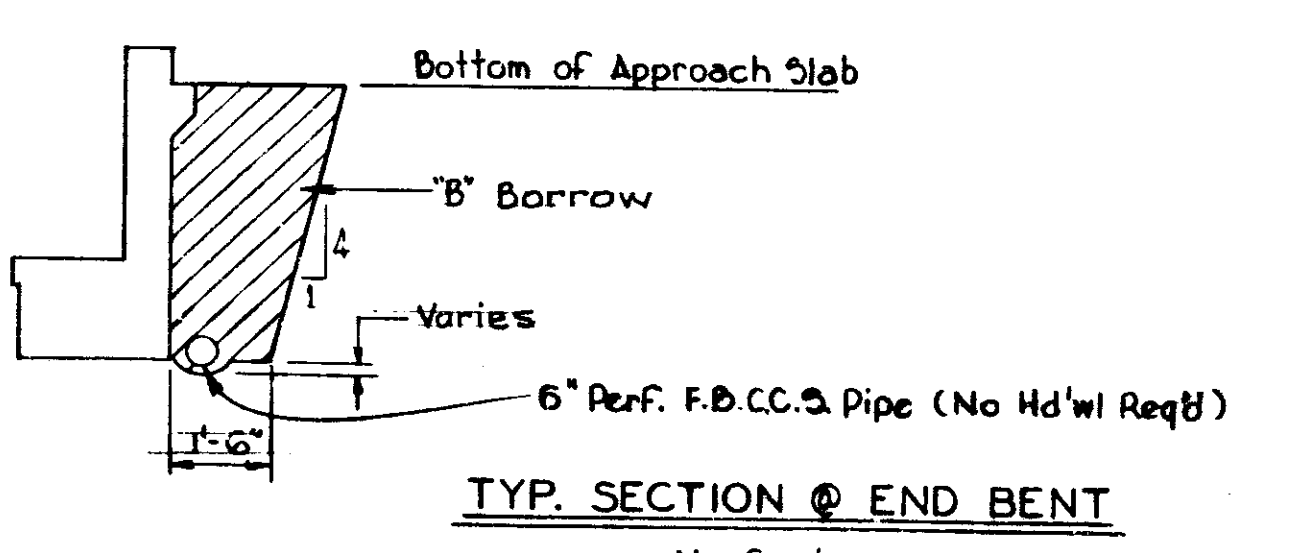
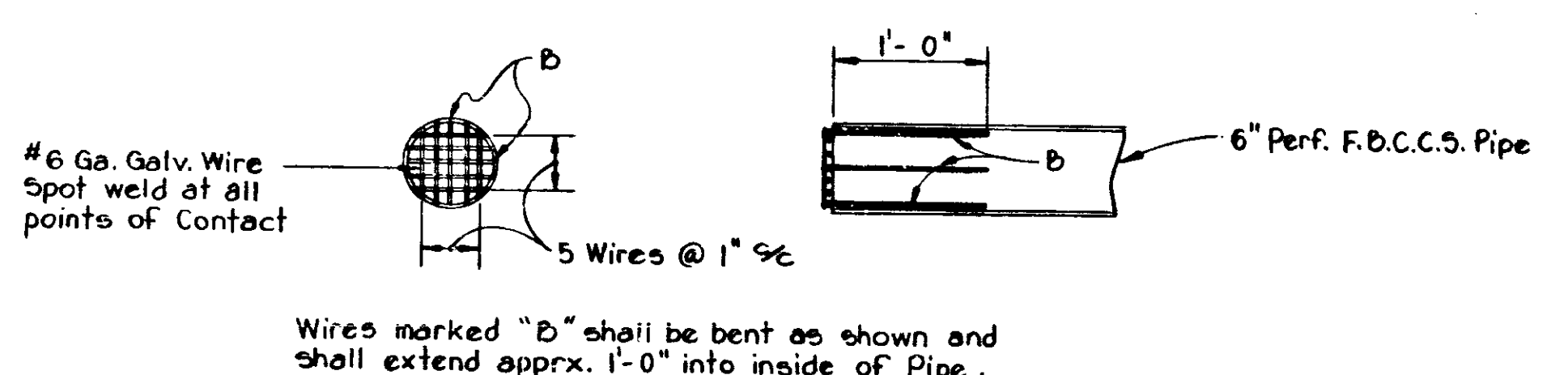
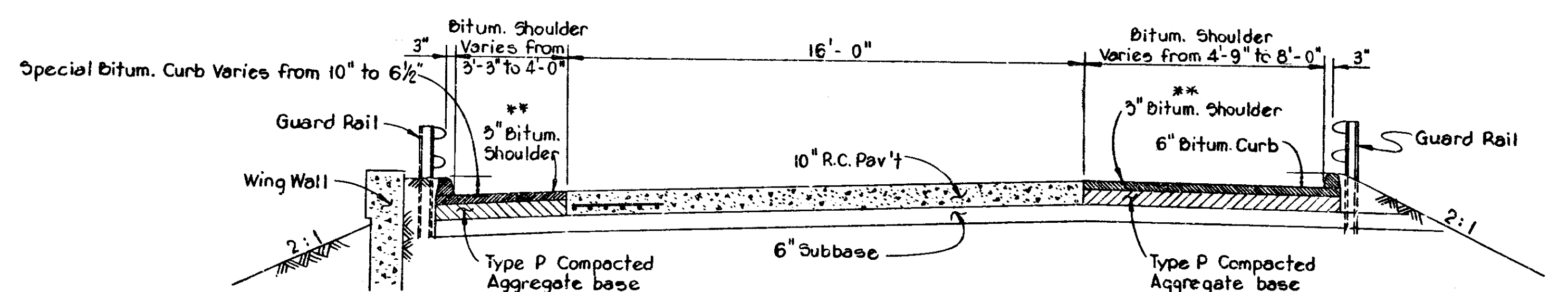
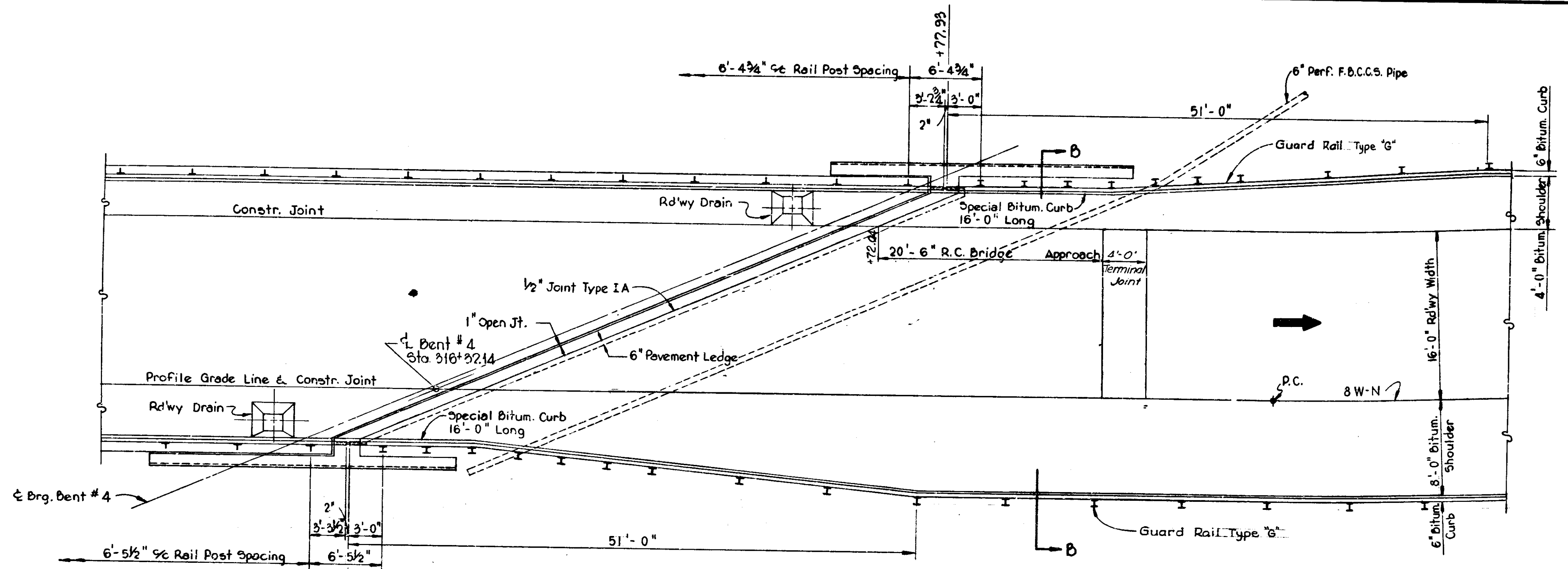
DESIGNED	S.Y.	C.K.D.
DRAWN	S.Y.	C.K.D. ANT
TRACED		C.K.D.

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(77)		96	737	

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(77)77	197	97	

BILL OF MATERIALS

REINFORCING STEEL			
MARK SIZE	LENGTH	Nº REQD	WEIGHT
<i>Additional Reinf. Steel for P.C. Approach</i>			
			West End = 1878
			East End = 1899
Total Weight Rebars			3777 Lbs
MISCELLANEOUS QUANTITY			
ITEM	QUANTITY		
ITEM & LOCATION	QUANTITY		
"B" Borrow @ Bent #1	40 C.Y.		
"B" Borrow @ Bent #4	39 C.Y.		
Total	79 C.Y.		
6" Perf. F.B.C.C.S. Pipe @ Bent #1	96 L.F.		
6" Perf. F.B.C.C.S. Pipe @ Bent #4	90 L.F.		
Total	186 L.F.		

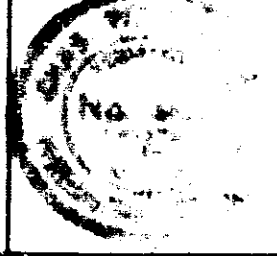


NOTES:
 R.C. Bridge Approach quantities not included in Bridge Summary.
 See Bridge Std. C1 for Reinf. Bar Notes.
 See Bridge Std. M3 for Approach Details.
 See Bridge Std. BR2 & BR4 for Bridge Rail Details.
 See Dwg. S12 for Bridge Railing Elevations.
 See Dwg. S3 for General Notes.
 See Road Std. GR4, GR5, GR6 for Guard Rail Details.
 See Road Std. B for Additional Steel Details.

RAMP 8W-N BRIDGE APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *[Signature]* 3-21-77

1971



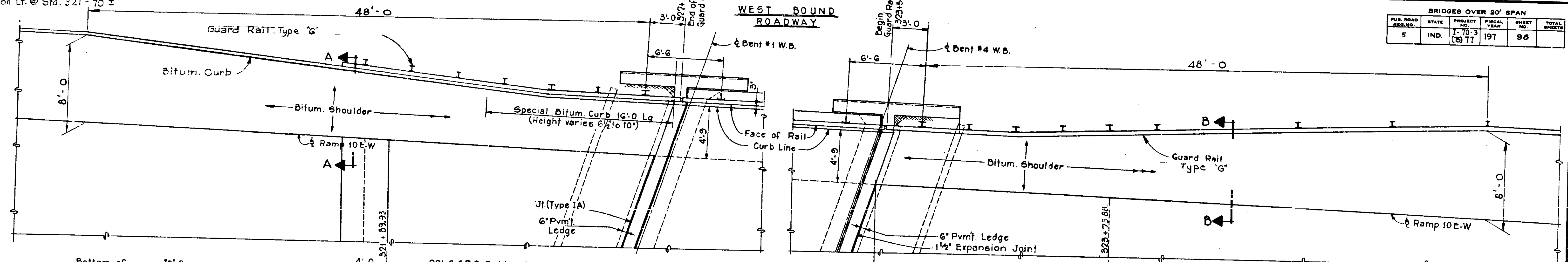
BRIDGE FILE: I-70-77-5644

DESIGNED: SY CKD
 DRAWN: SY CKD AVT
 TRACED: CKD

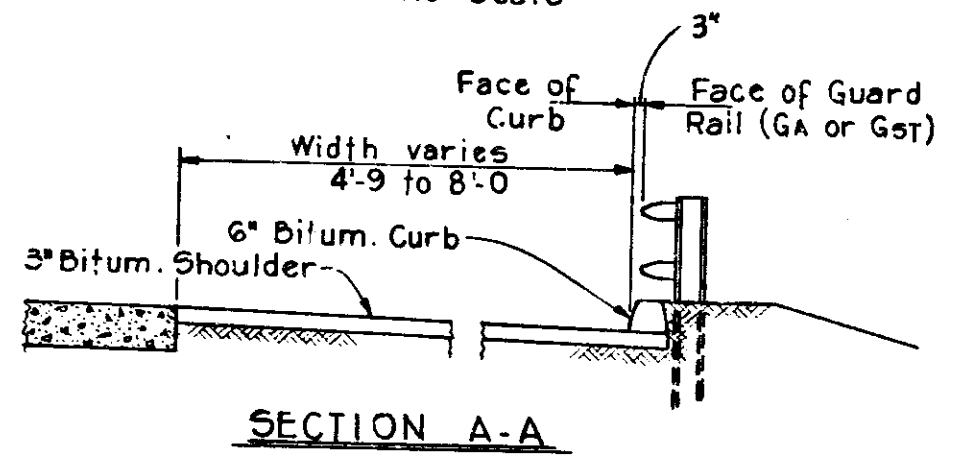
PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(77)77		97	237	

Reinforced Concrete Gutter Turnout Req'd. on Lt. @ Sta. 321+70 ±

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (72)77	197	98	



TYP SECTION @ END BENT
No Scale



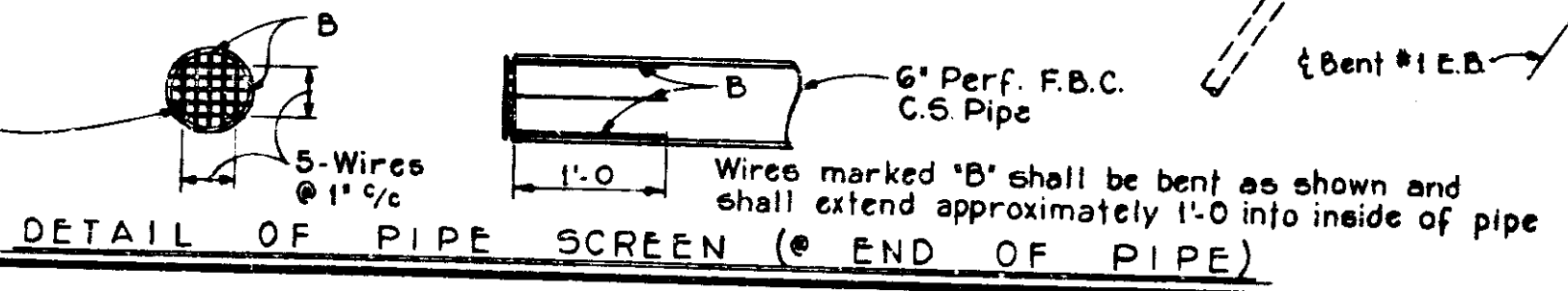
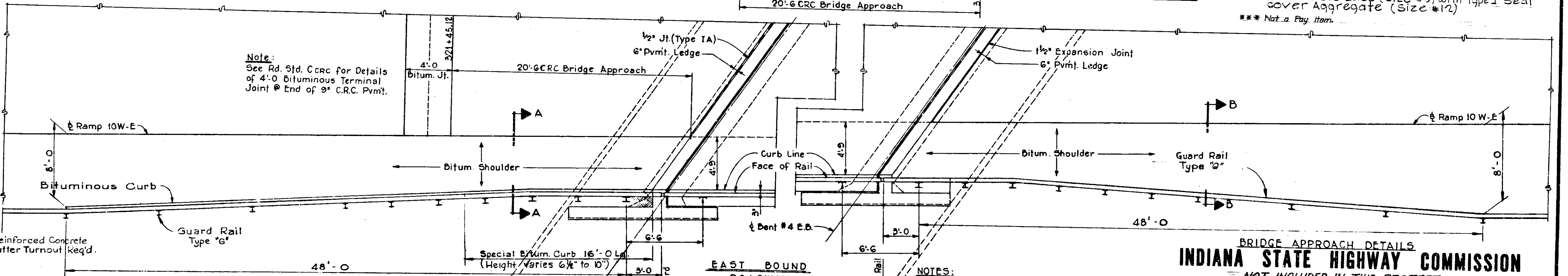
SECTION A-A

BILL OF MATERIALS

ITEM & DESCRIPTION	QUANTITY
Additional CRC Reinf. Steel for 10' Appr. Pvmf.	6,667 Lbs.
* Special Bituminous Center Curb (2'-5" x 0'-4")	4 Sq. Yds.
*** 1/2" Joint Type IA	12.4 Lin. Ft.
6" Perf. F.B.C.C.S.P. @ Bents #1	18.4 Lin. Ft.
"B" Borrow @ Abutments	186 Cu. Yds.

* Indicates Special Bituminous Center Curb
See Road Sheet 85 for Typical Details of Special Bit. Center Curb.
** 3" Bituminous Base (Size #5) with Type I Seal cover Aggregate (Size #12)
*** Not a Pay Item.

Note:
See Rd. Std. C.C.R.C. for Details of 4'-0" Bituminous Terminal Joint @ End of 9" C.R.C. Pvmf.



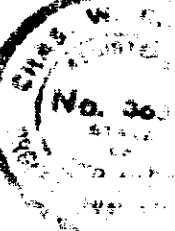
DETAIL OF PIPE SCREEN @ END OF PIPE

NOTES:
RC Bridge Appr. quantities not included in Br. Summary.
See Road Std. C.C.R.C. for 9" C.R.C. Pvmf. Reinf. Slt. Details.
See Road Std. C.C.R.C. for Detail of Terminal Jt. @ End of C.R.C. Pvmf. & Typical Details of Bridge Appr.
See Road Std. GR-1, GR-2, GR-3 & GR-4 for Typical Details of Guard Rails & Installation.
See Dwg. C-2 for General Plan & Notes.
See Dwg. C-15 for Bridge Railing Details & Elevations.

BRIDGE APPROACH DETAILS
INDIANA STATE HIGHWAY COMMISSION
NOT INCLUDED IN THIS PROJECT

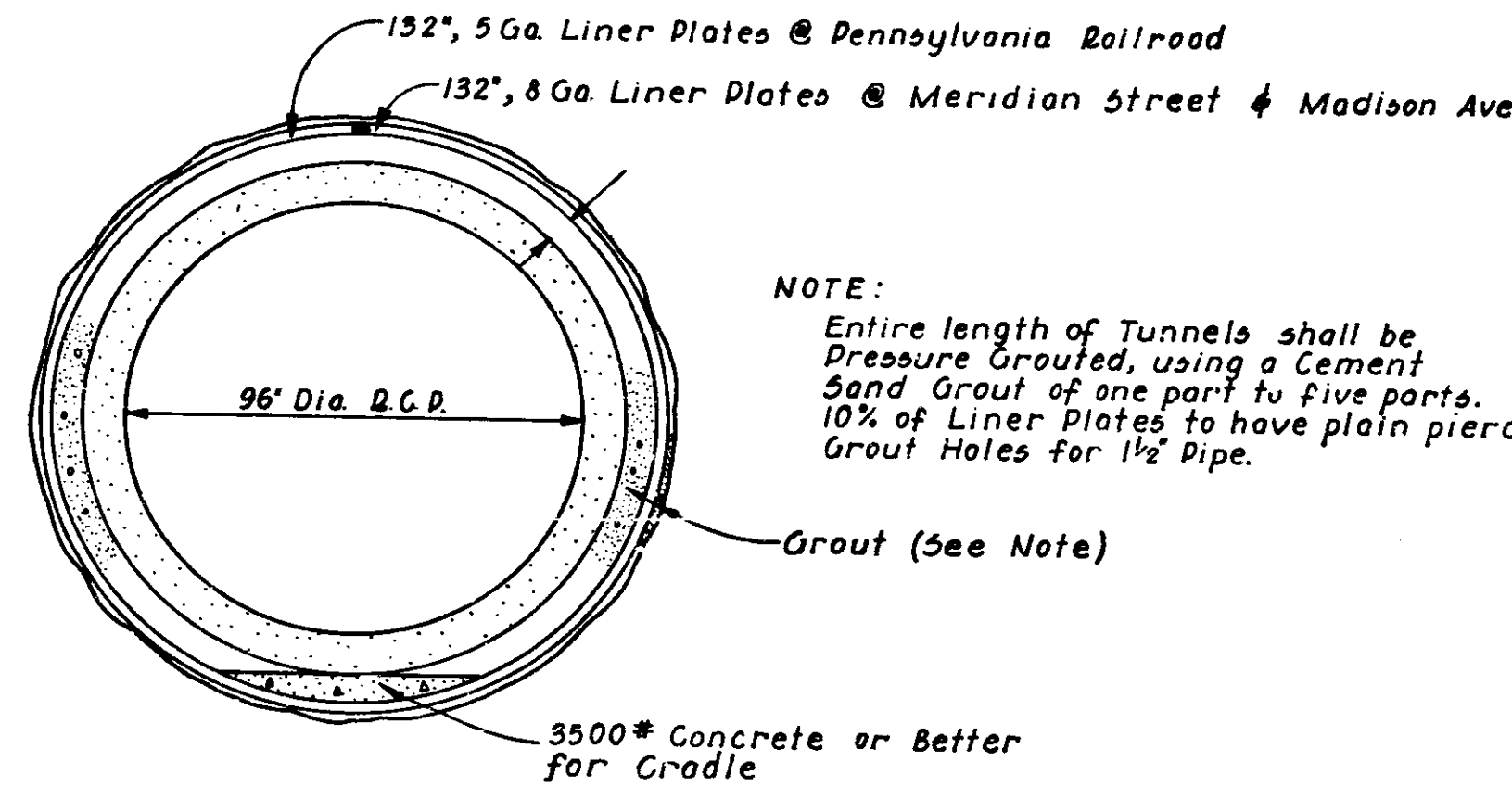
SCALE: 1/4" = 1'-0"
SUBMITTED FOR APPROVAL: [Signature] 3-21-71
PROJECT: I-70-3(71)77
BRIDGE FILE: I-70-77-5645 & 5645 J

1971



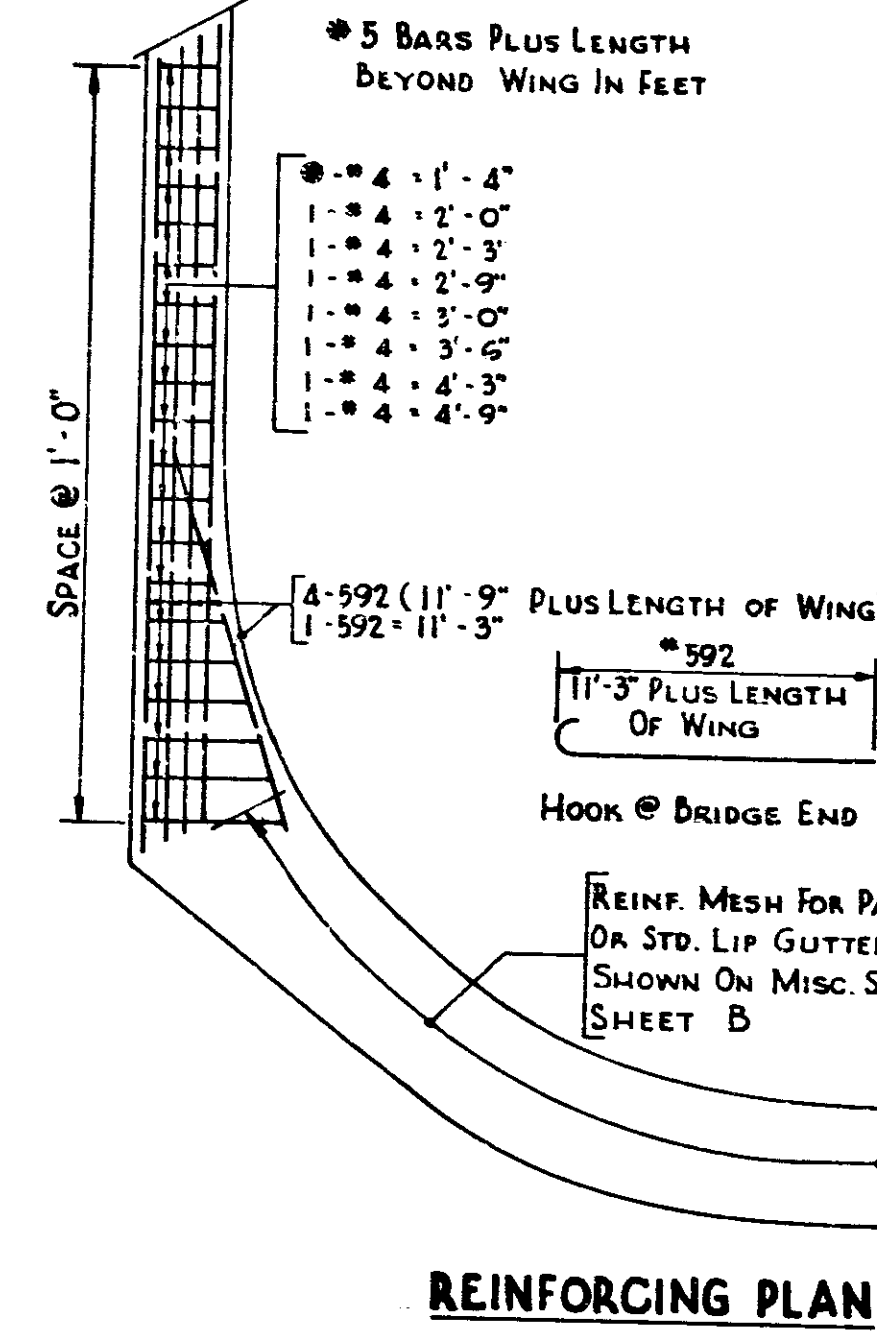
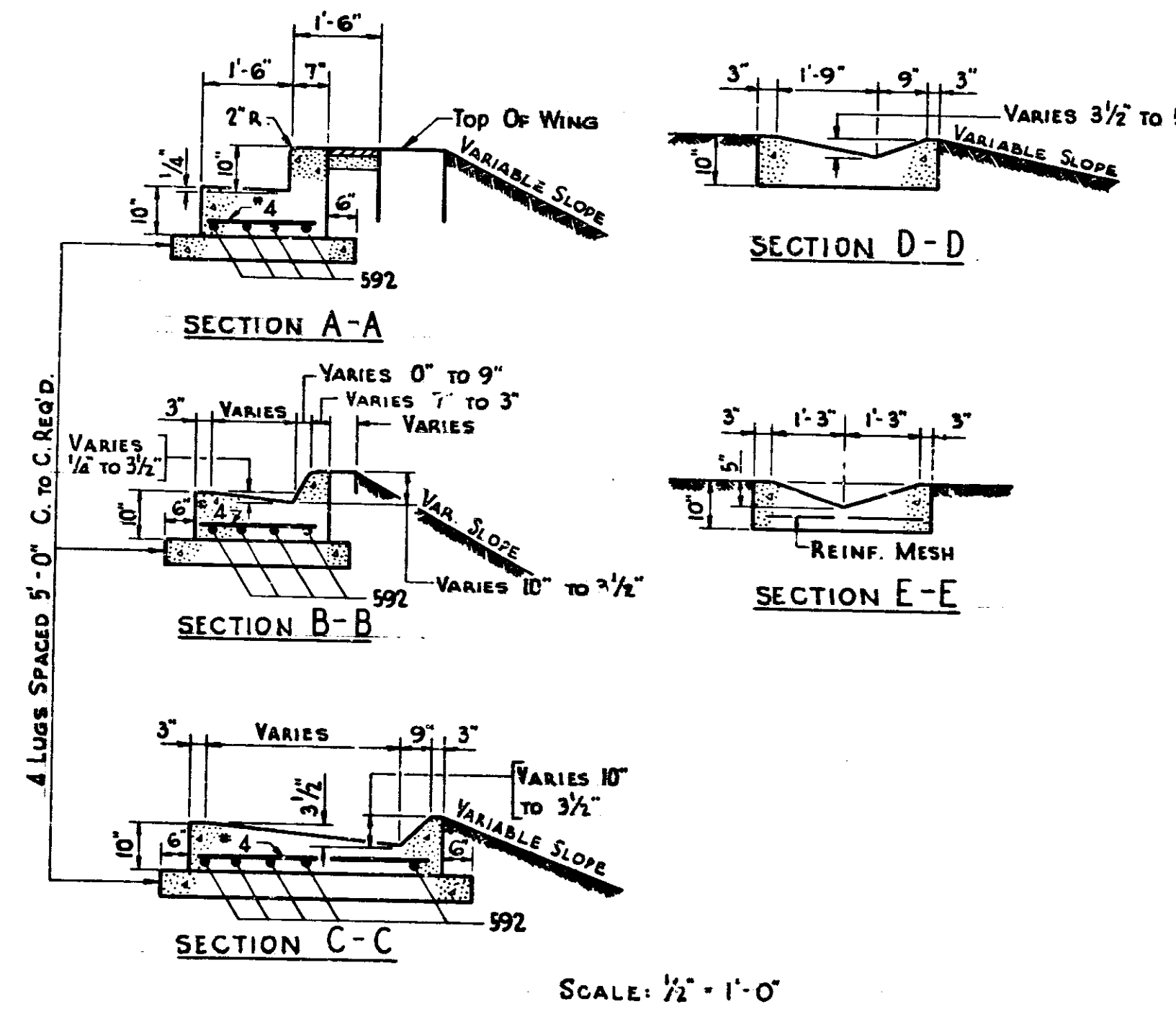
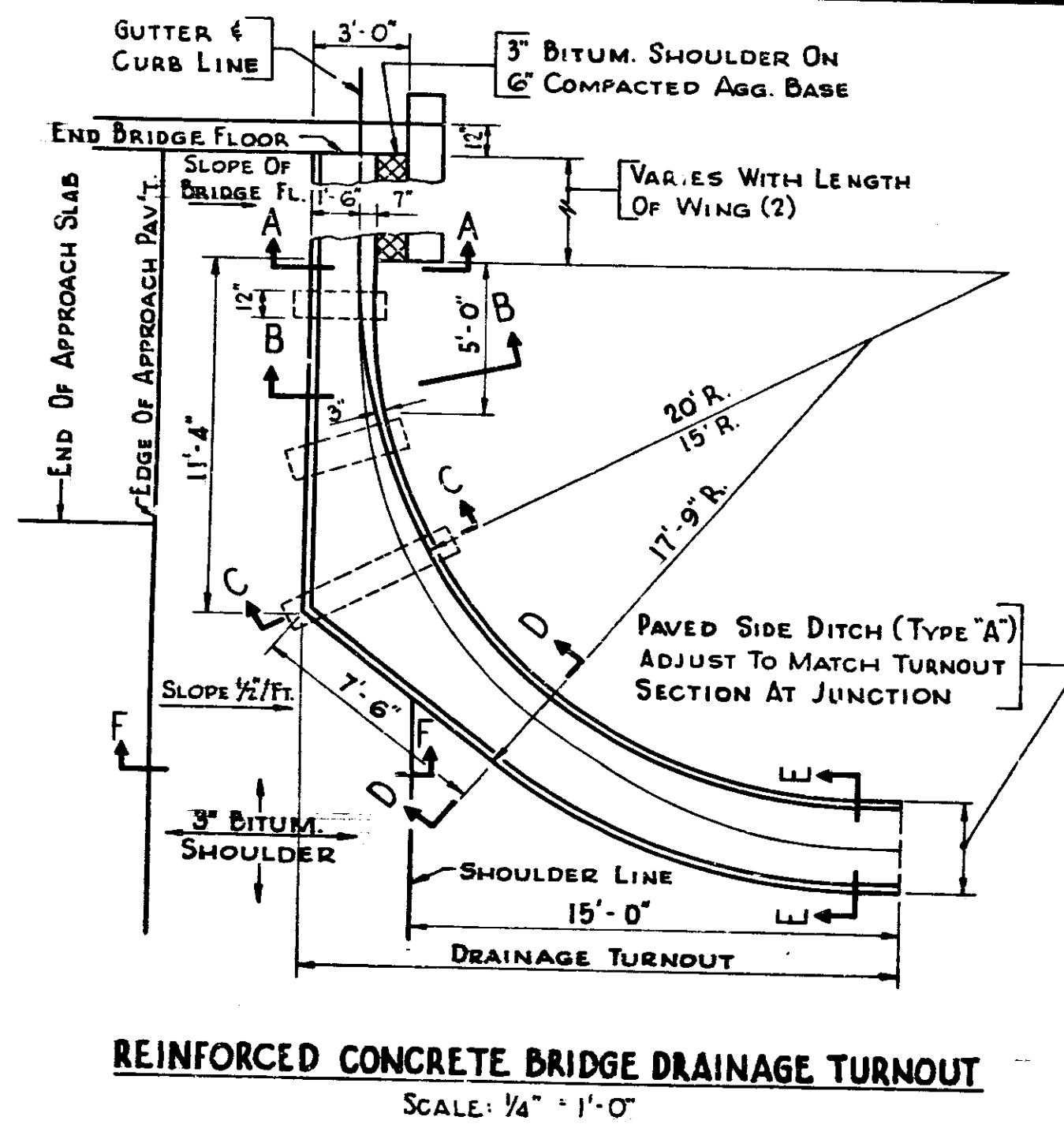
PROJECT NO.	LINE	POST	STATION	FILE
I-70-3(71)77		98	237	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(7)77	197	99	



96" R.C.P. UNDER MERIDIAN STREET
 96" R.C.P. UNDER PENNSYLVANIA RAILROAD
 96" R.C.P. UNDER MADISON AVENUE
 SCALE: 3/8" = 1'-0"

TUNNEL CROSS SECTIONS
 CONSTRUCT IN BRIDGE PROJECT
 I-70-3(69)77



- NOTES:
1. REINFORCED CONCRETE BRIDGE DRAINAGE TURNOUT WILL BE MEASURED AND PAID FOR AS 45 LIN. FT. OF PAVED SIDE DITCH, TYPE "A". THE COST OF REINFORCING STEEL INCLUDING DOWELS AND MESH TO BE INCLUDED IN THE COST OF THE REINFORCED CONCRETE BRIDGE DRAINAGE TURNOUT.
 2. BEGIN 20' TURNOUT RADIUS AT THE END OF BRIDGE WING FOR LENGTH OF WING (END OF WING TO END OF BRIDGE FLOOR).

REINFORCED CONCRETE BRIDGE DRAINAGE TURNOUT

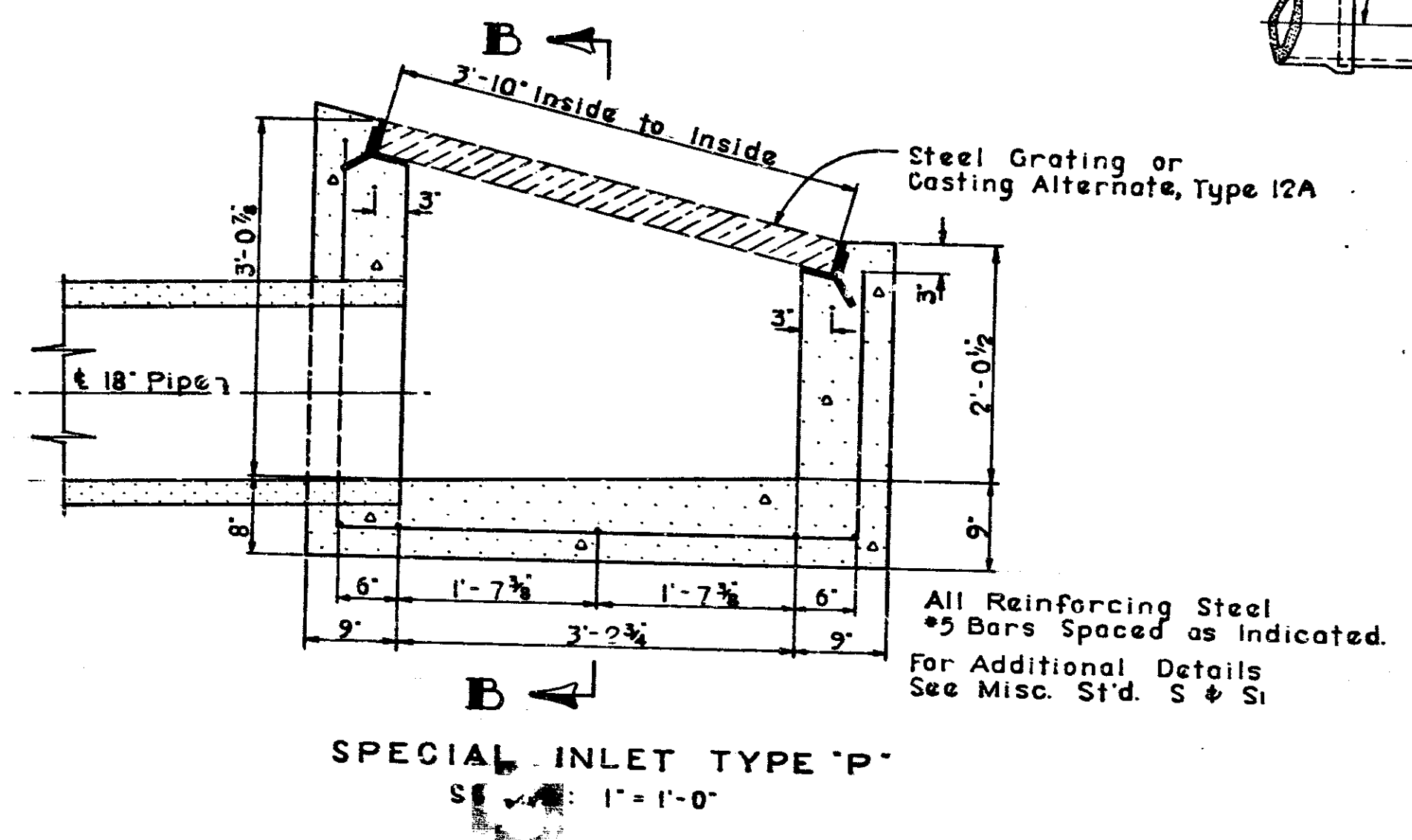
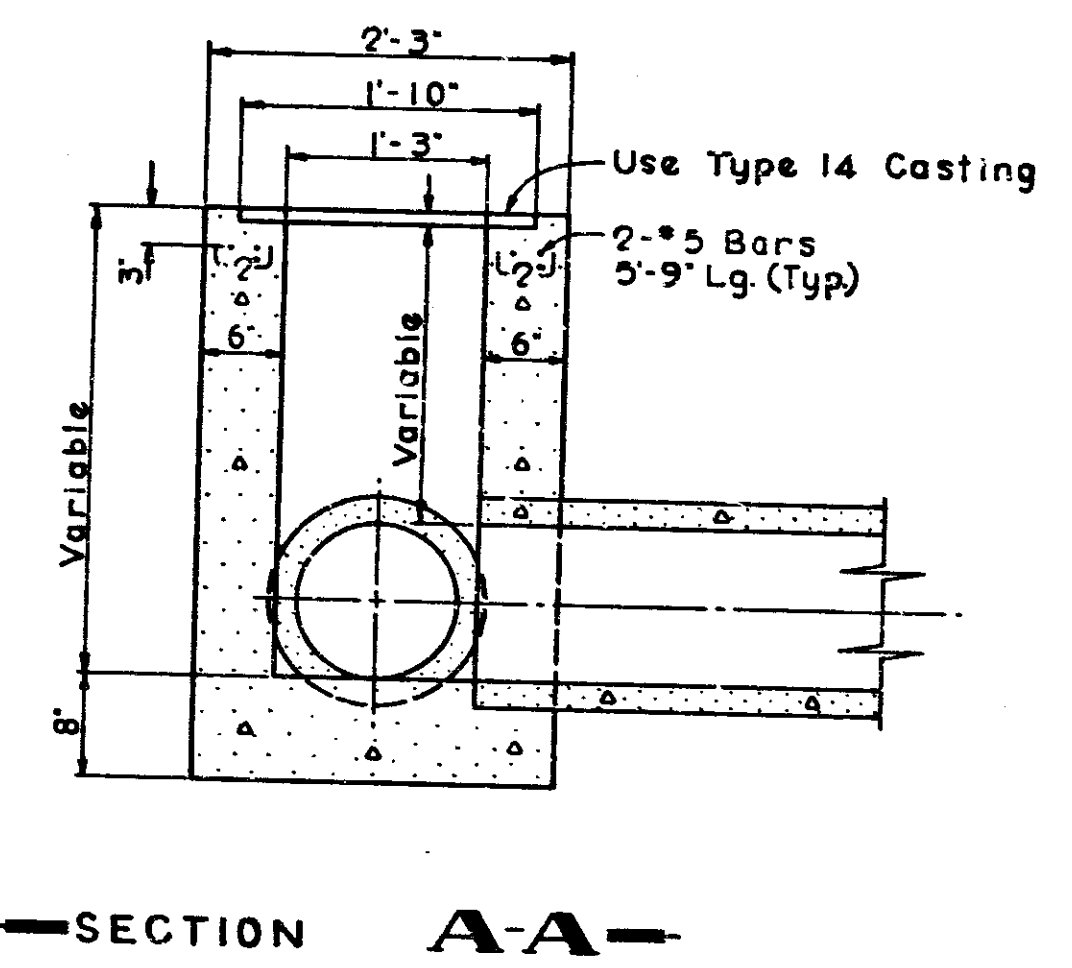
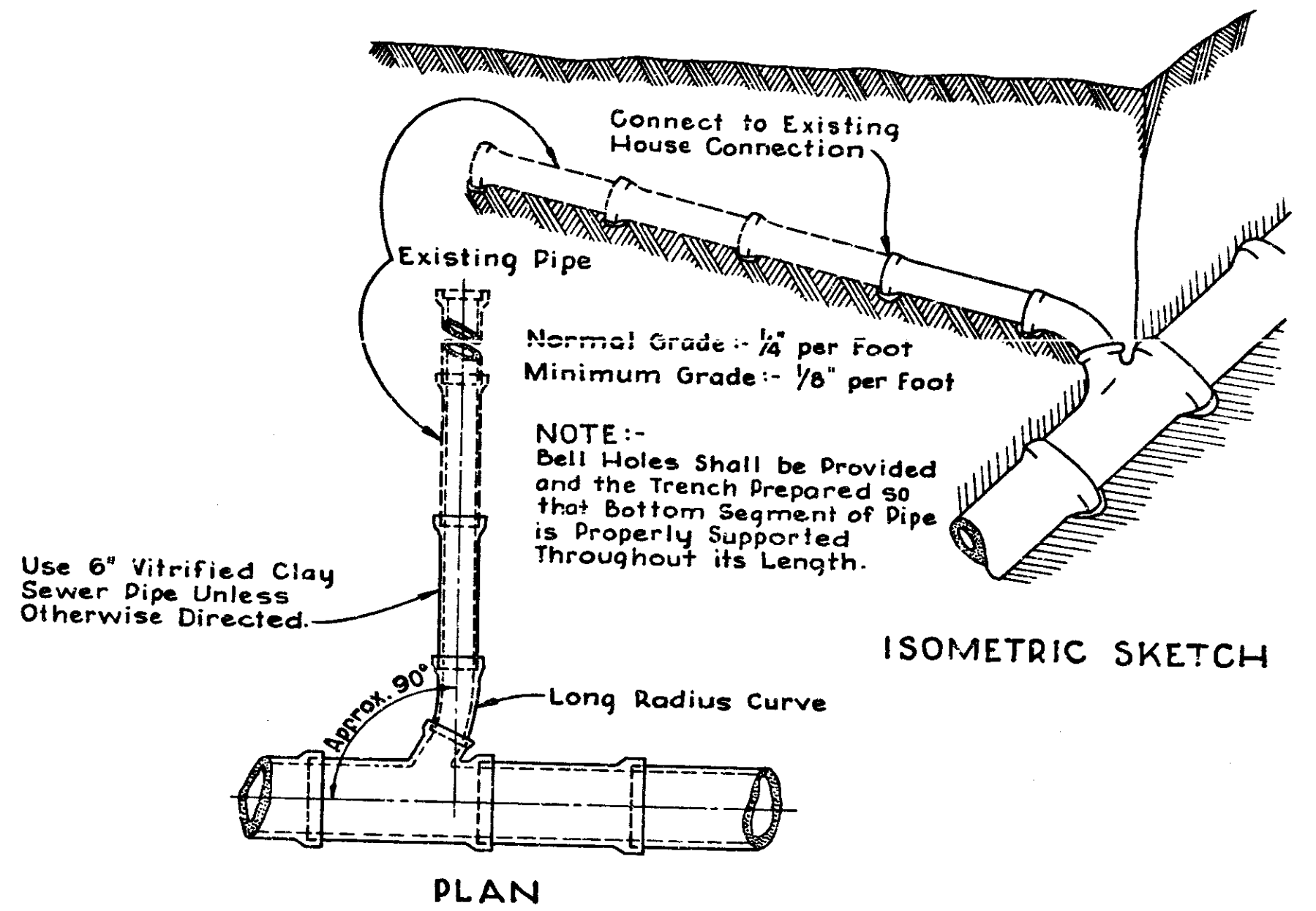
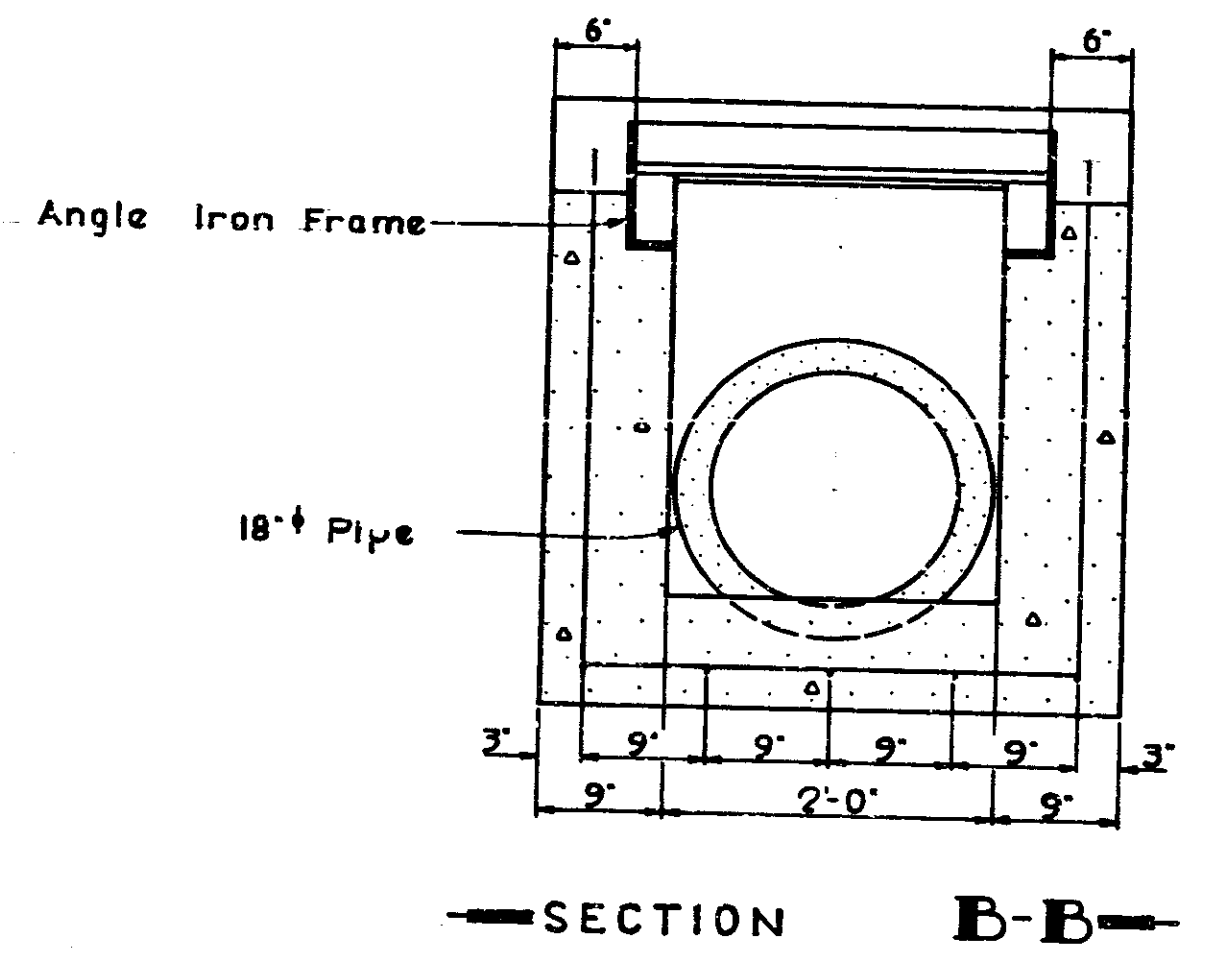
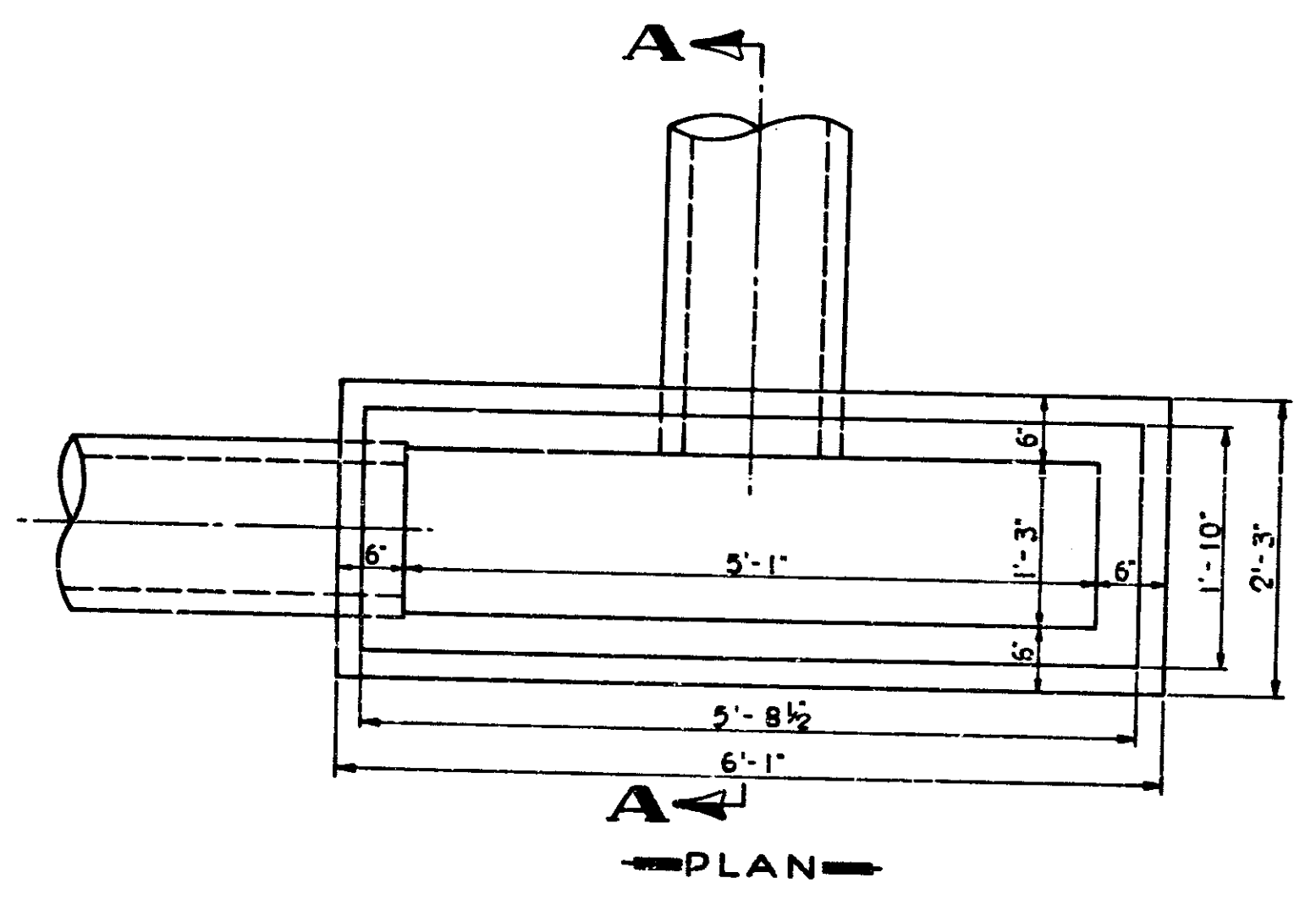
DETAILS



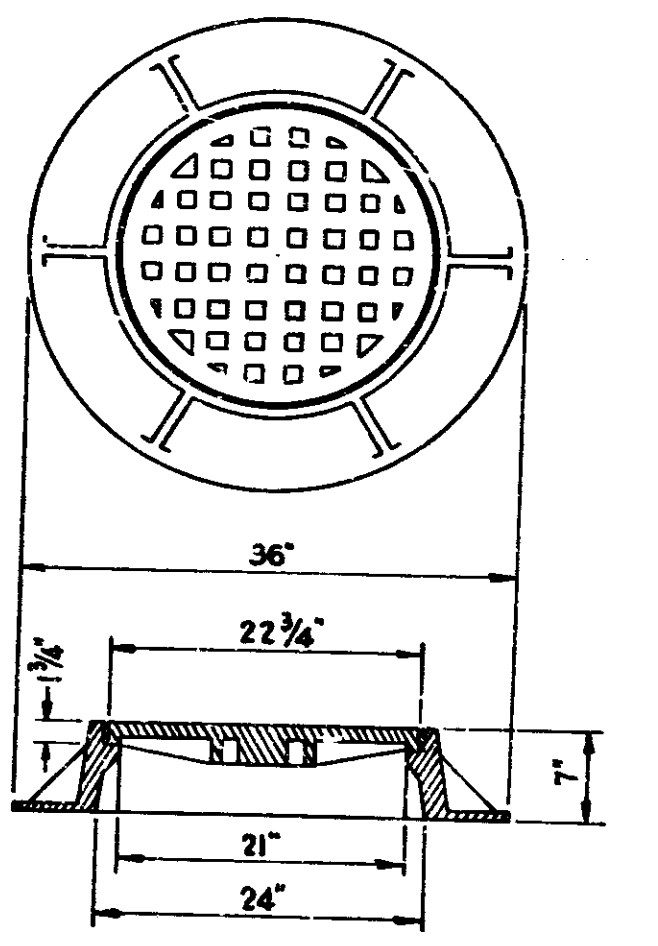
November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
I-70-3(7)77		99	237

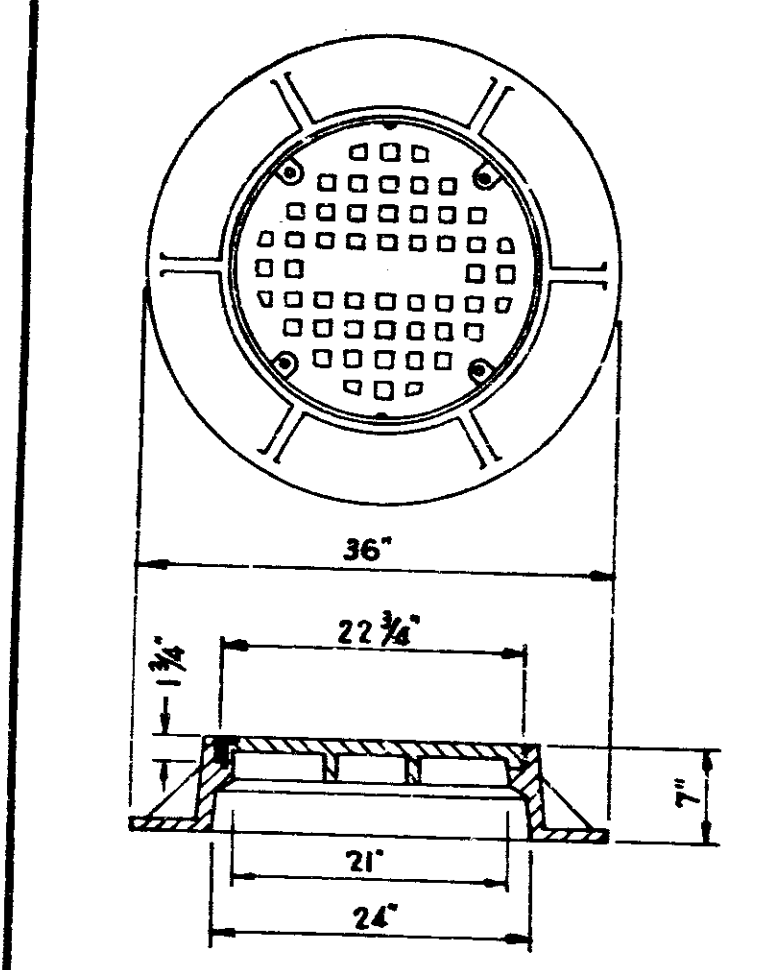
FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (15) 77	1970	100	



INDIANAPOLIS SANITARY DISTRICT
HOUSE CONNECTION TO MAIN SEWER
SCALE: DIAGRAMMATIC



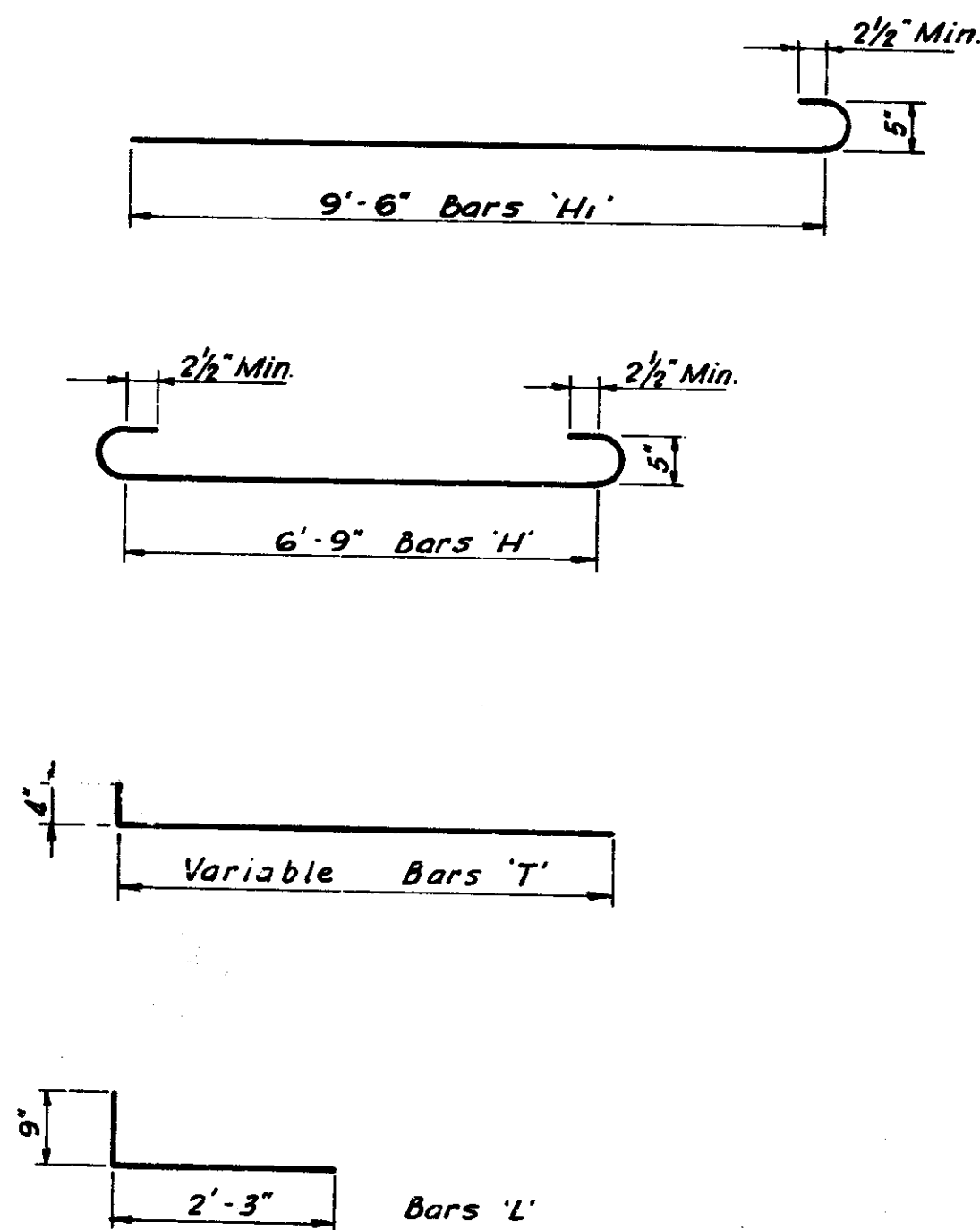
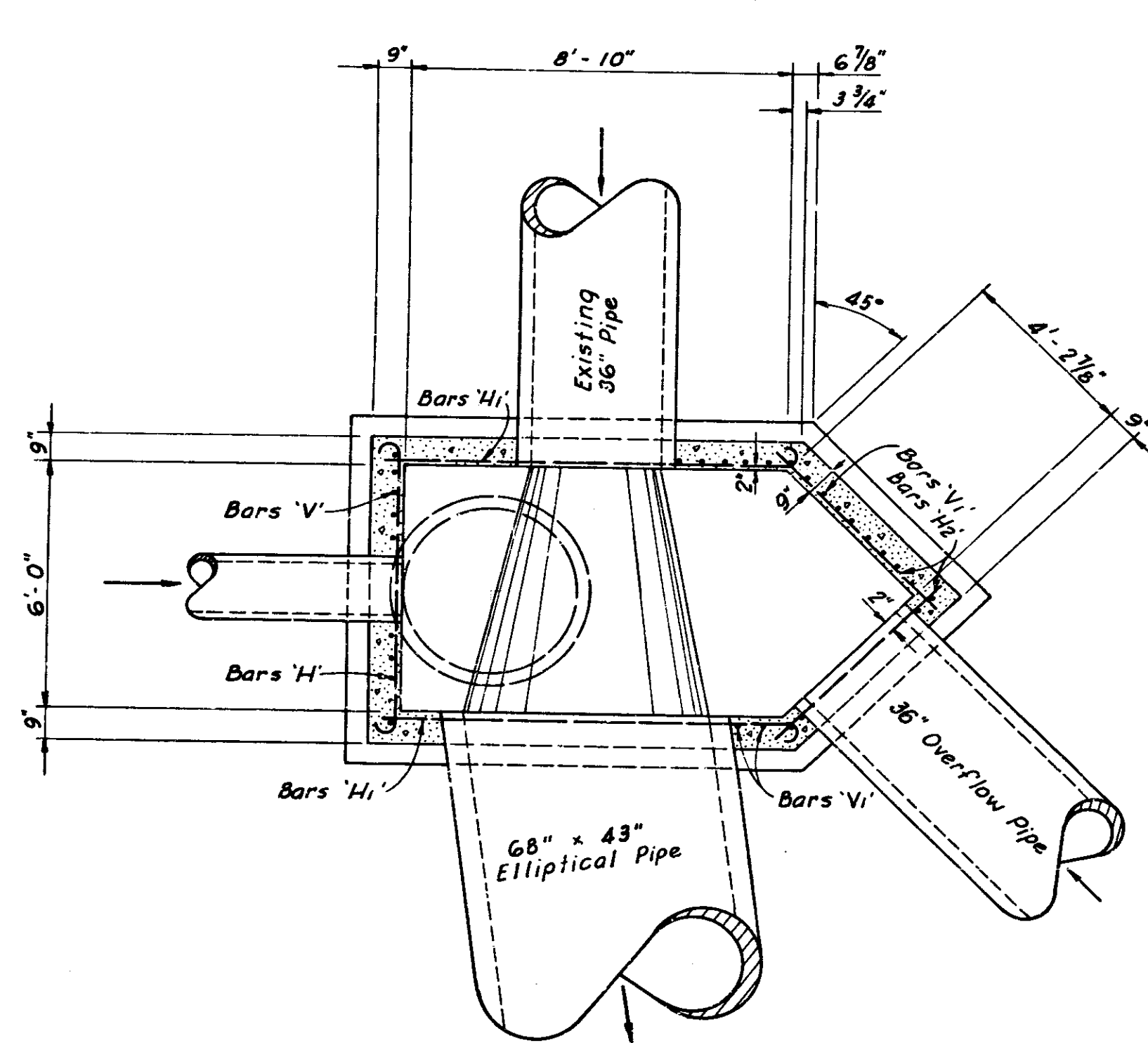
INDIANAPOLIS SANITARY DISTRICT
MANHOLE FRAME & COVER
* R-1772-C.V.H.
SCALE: 1" = 1'-0"



INDIANAPOLIS SANITARY DISTRICT
MANHOLE FRAME & COVER (LOCKING)
* 1772 CL
SCALE: 1" = 1'-0"

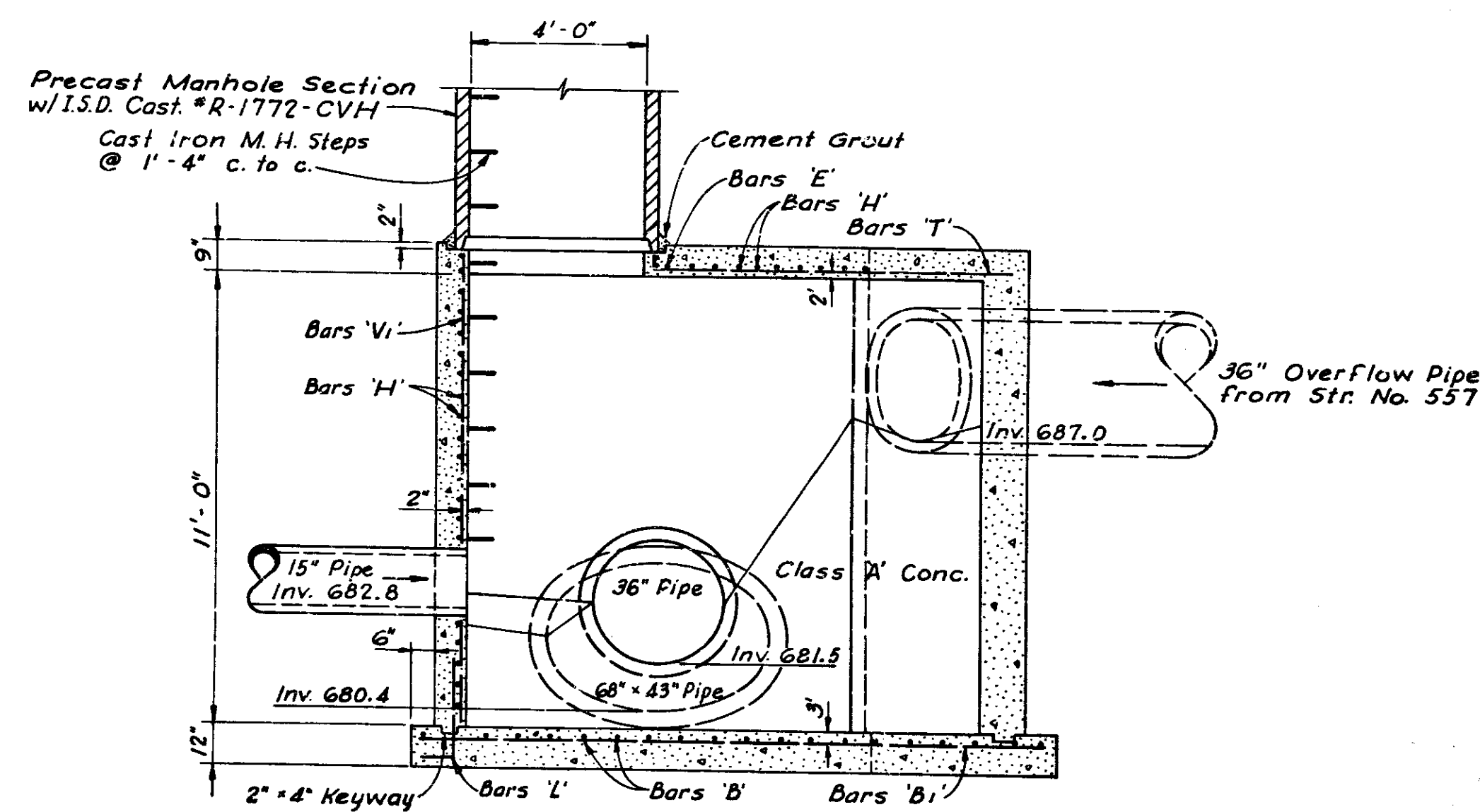
DETAILS

PROJ.	LINE	SHEET	FILE
10-3-15-77		100	



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(15)77	1970	101	

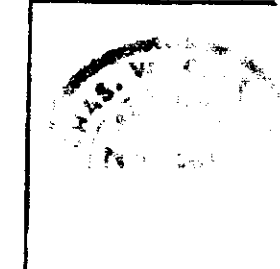
REINFORCING STEEL					
Bars	No.	Length	Space	Size	
B	14	8'-0"	9"	#5	
B	1	7'-6"	"	"	
B	1	6'-0"	"	"	
B	1	4'-6"	"	"	
B	1	3'-0"	"	"	
B	1	1'-6"	"	"	
		134'-6"			
B ₁	1	14'-3"	9"	#5	
B ₁	2	13'-6"	"	"	
B ₁	2	12'-9"	"	"	
B ₁	2	12'-0"	"	"	
B ₁	2	11'-3"	"	"	
B ₁	2	10'-3"	"	"	
		133'-9"			
E	3	7'-0"	2"	#5	
		21'-0"			
H	32	8'-6"	6"	#5	
		272'-0"			
H ₁	32	10'-6"	6"	#5	
		336'-0"			
H ₂	28	5'-3"	6"	#5	
		147'-0"			
L	45	3'-0"	6"	#5	
		135'-0"			
T	1	8'-6"	6"	#5	
T	2	8'-0"	"	"	
T	2	7'-6"	"	"	
T	2	7'-0"	"	"	
T	2	6'-6"	"	"	
T	2	6'-0"	"	"	
T	2	5'-6"	"	"	
T	2	5'-0"	"	"	
		99'-6"			
V ₁	14	11'-3"	6"	#5	
V ₁	20	11'-0"	"	"	
		377'-6"			



Scale: 3/8" = 1'-0"

NOTE:
 For General Notes See
 Std. Sheet MD3
 For Precast Manhole Section
 See Std. Sheet MD3

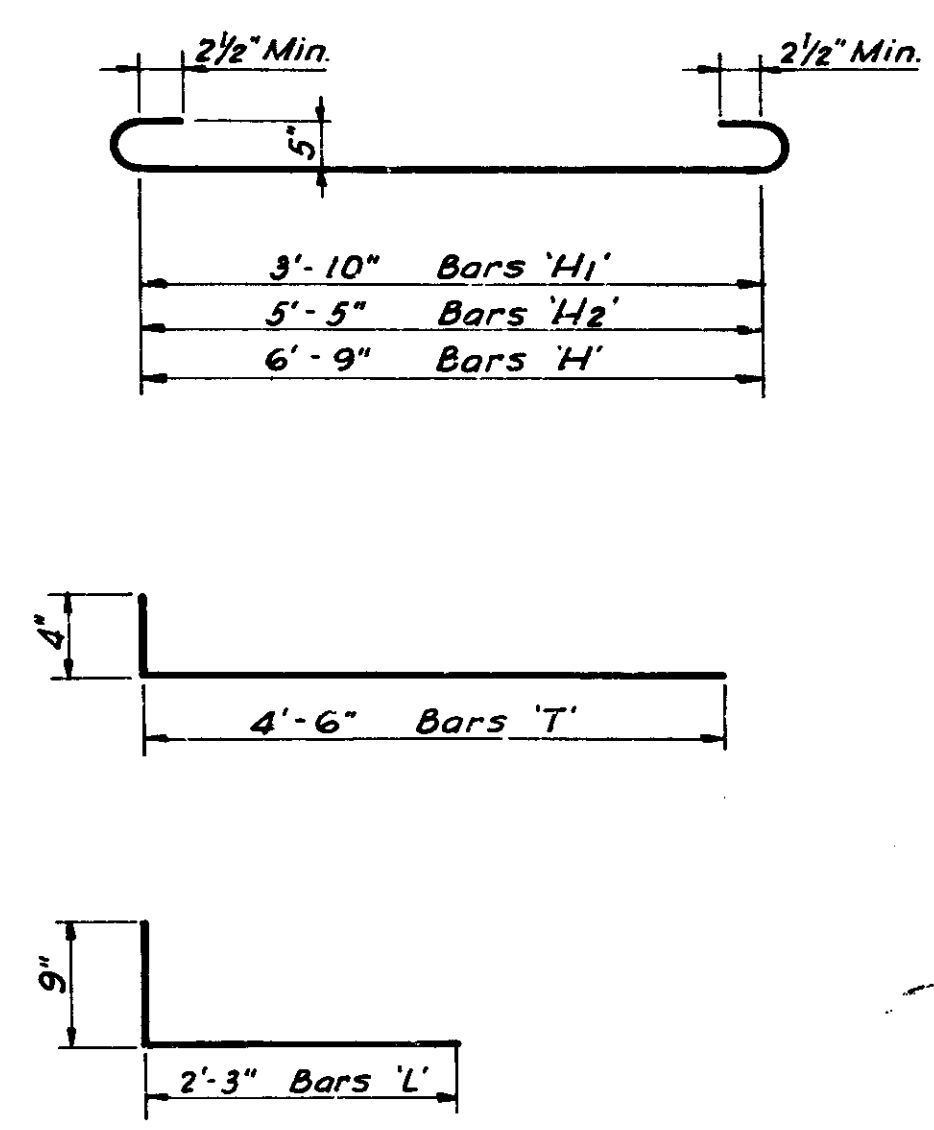
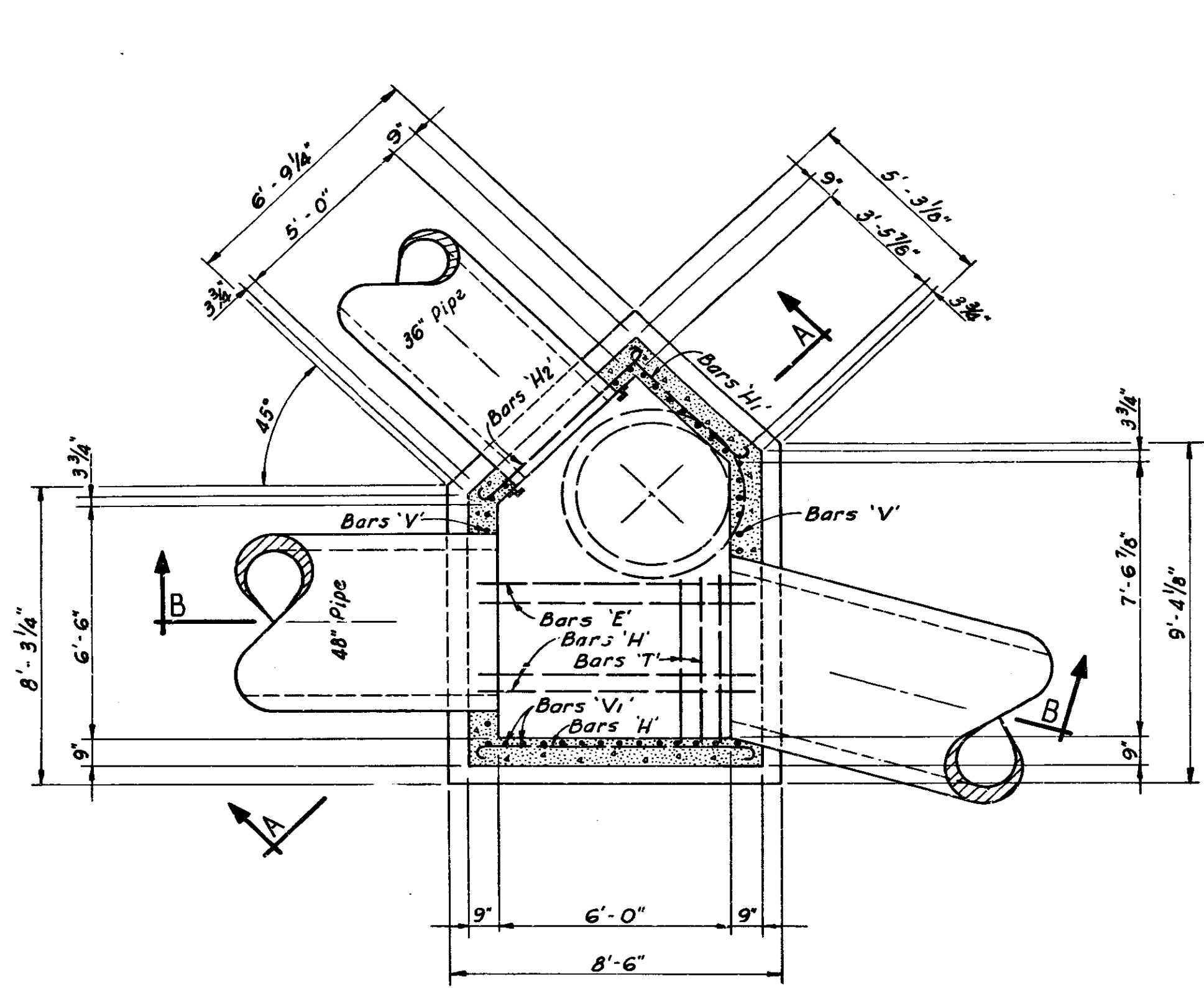
STRUCTURE NO. 556
 SPECIAL JUNCTION BOX
 TYPE A
 NOT INCLUDED IN THIS CONTRACT
 BRIDGE CONTRACT 1-70-3(15)77
DETAILS



November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(15)77		101	257	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-347577	1910	102	



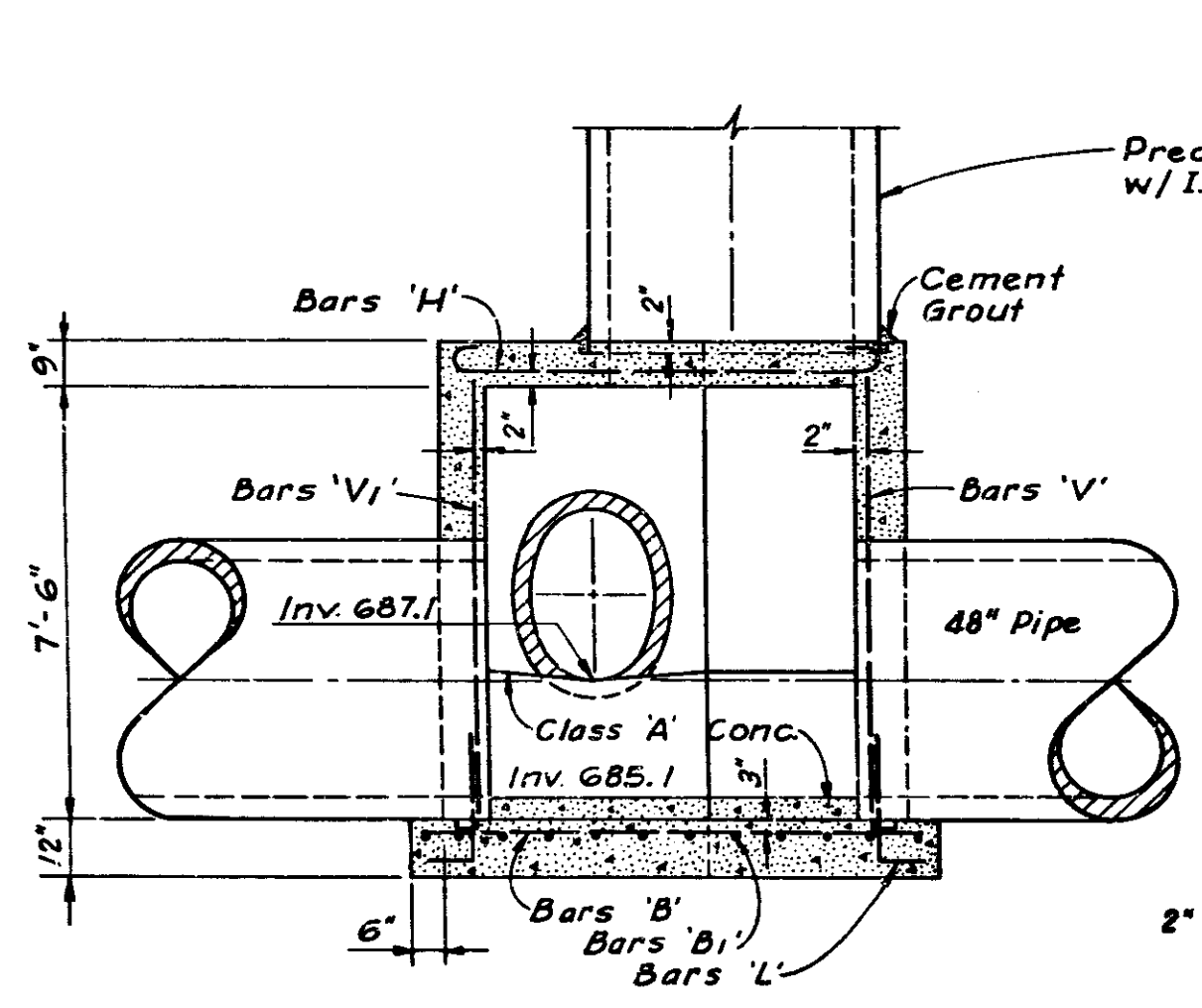
Bars	No	Length	Space	Size
B	11	8'-0"	9"	#5
B	1	7'-8"	9"	#5
B	1	6'-9"	9"	#5
B	1	5'-5"	9"	#5
B	1	4'-0"	9"	#5
B	1	2'-6"	9"	#5

B1	2	9'-0"	9"	#5
B1	2	9'-9"	9"	#5
B1	2	10'-6"	9"	#5
B1	2	11'-3"	9"	#5
B1	2	12'-0"	9"	#5
B1	1	8'-3"	9"	#5
B1	1	7'-6"	9"	#5

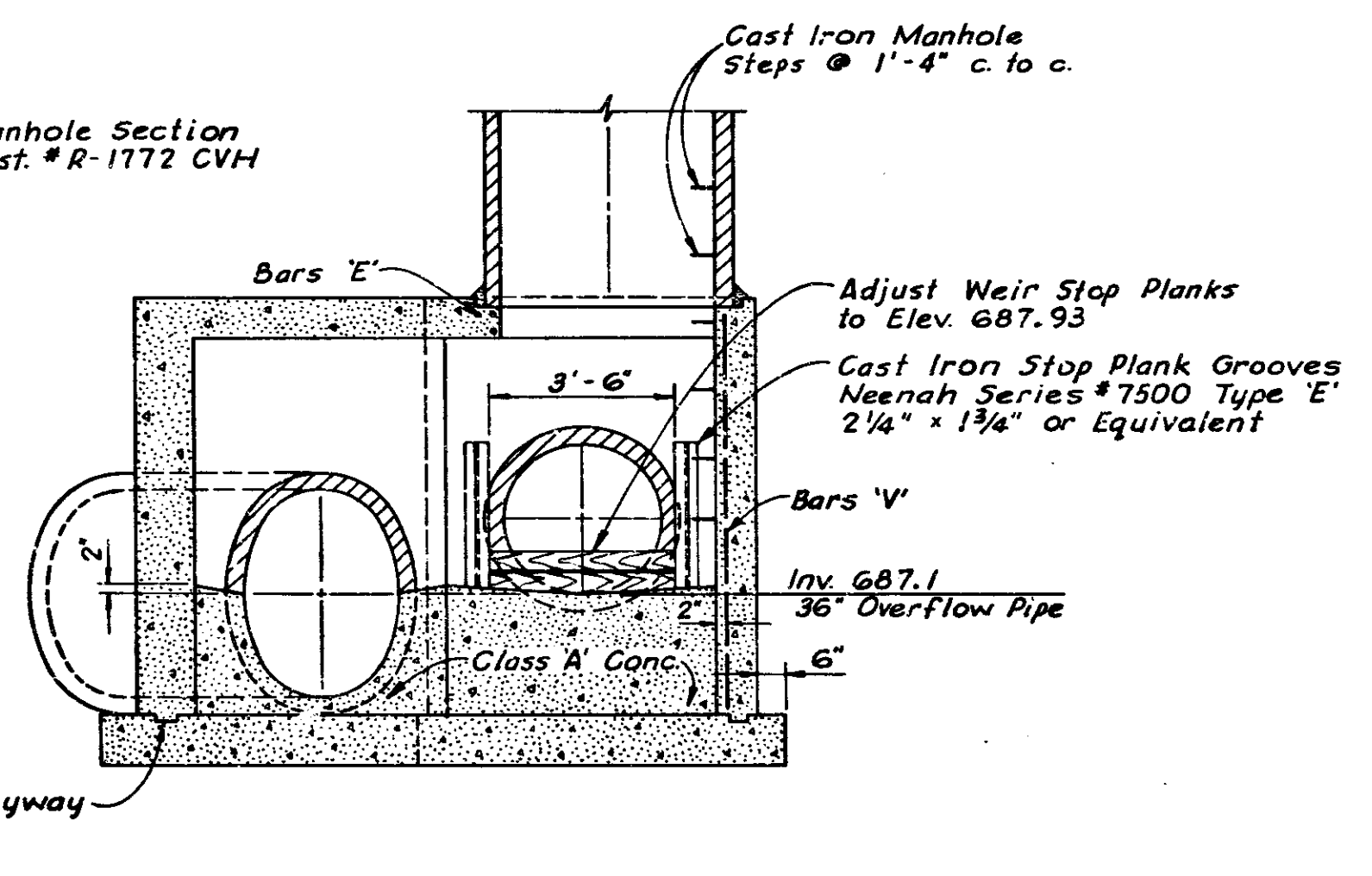
V	15	7'-6"	6"	#5
V	19	7'-9"	6"	#5

L	41	3'-0"	6"	#5
L		123'-0"		
H	23	8'-7"	6"	#5
H		215'-7"		
H1	16	5'-8"	6"	#5
H1		90'-8"		
H2	10	7'-3"	6"	#5
H2		72'-6"		
T	14	4'-10"	6"	#5
T		67'-8"		
E	3	7'-2"	7"	#5
E		21'-6"		

NOTE:
For General Notes See Std. Sheet MD3
For Precast Manhole Section See Std. Sheet MD3

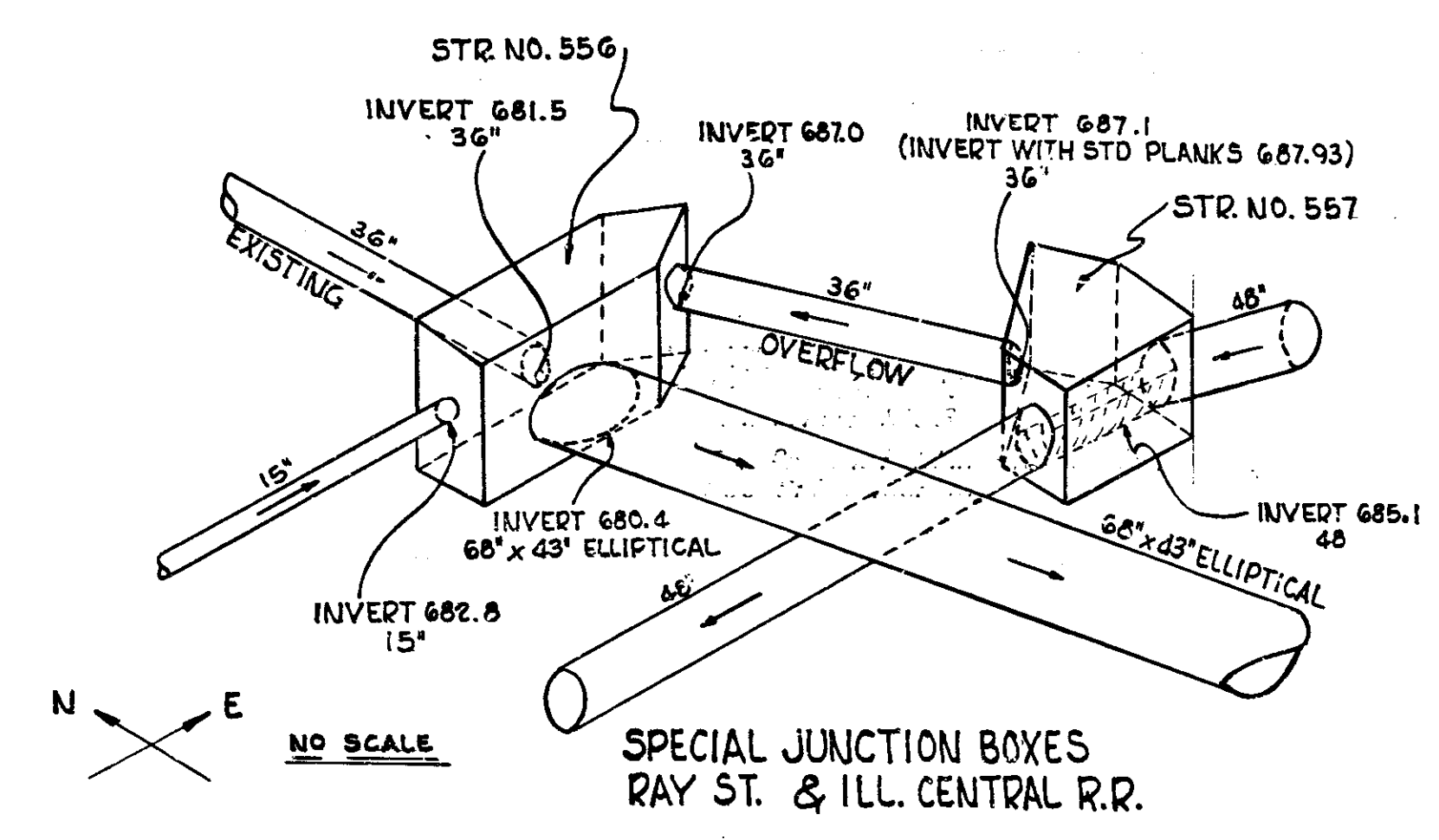


SECTION B-B



SECTION A-A

SCALE: - 3/8" = 1'-0"



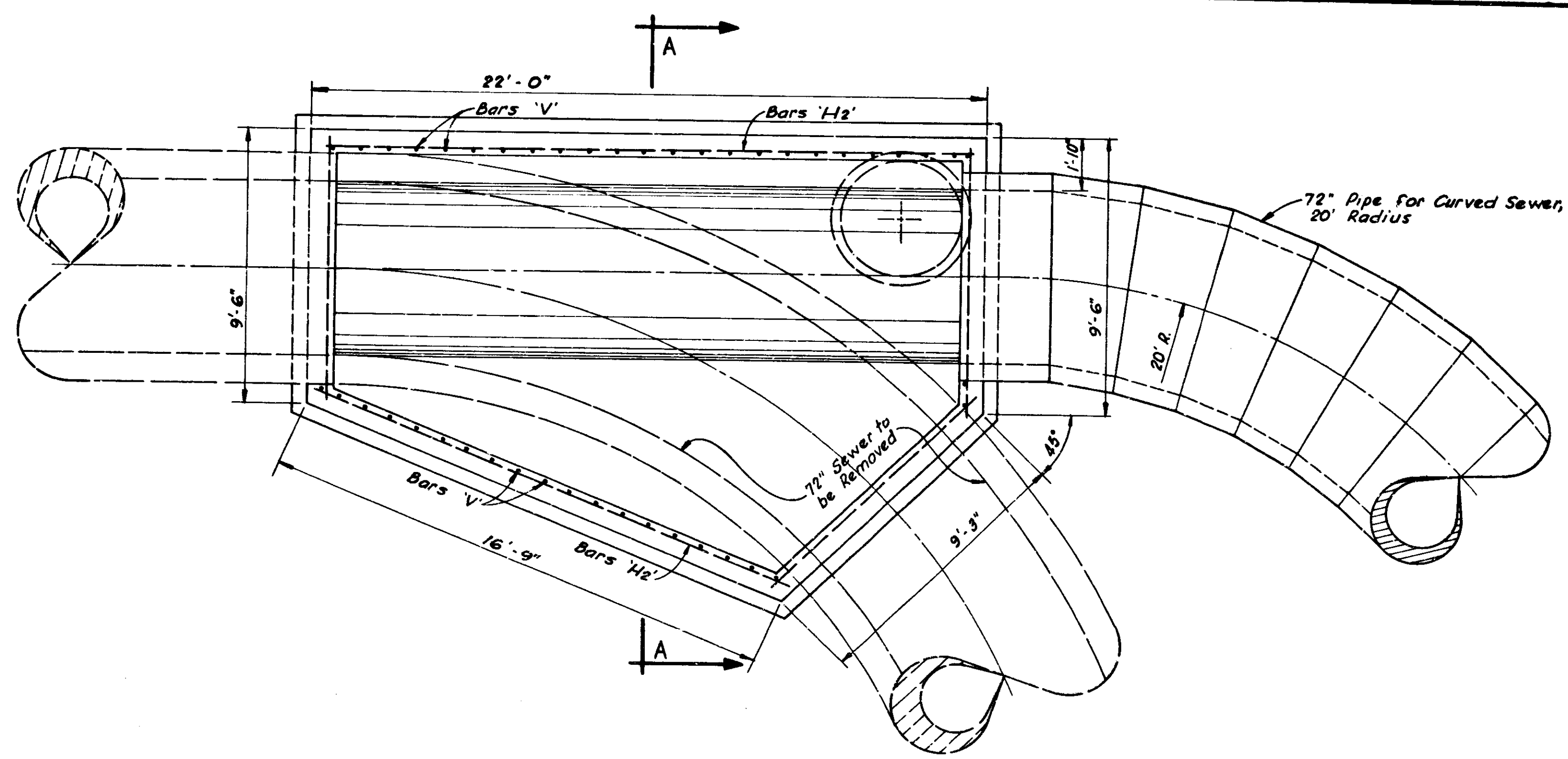
SPECIAL JUNCTION BOXES
RAY ST. & ILL. CENTRAL R.R.

STRUCTURE NO. 557
SPECIAL JUNCTION BOX
TYPE B

DETAILS

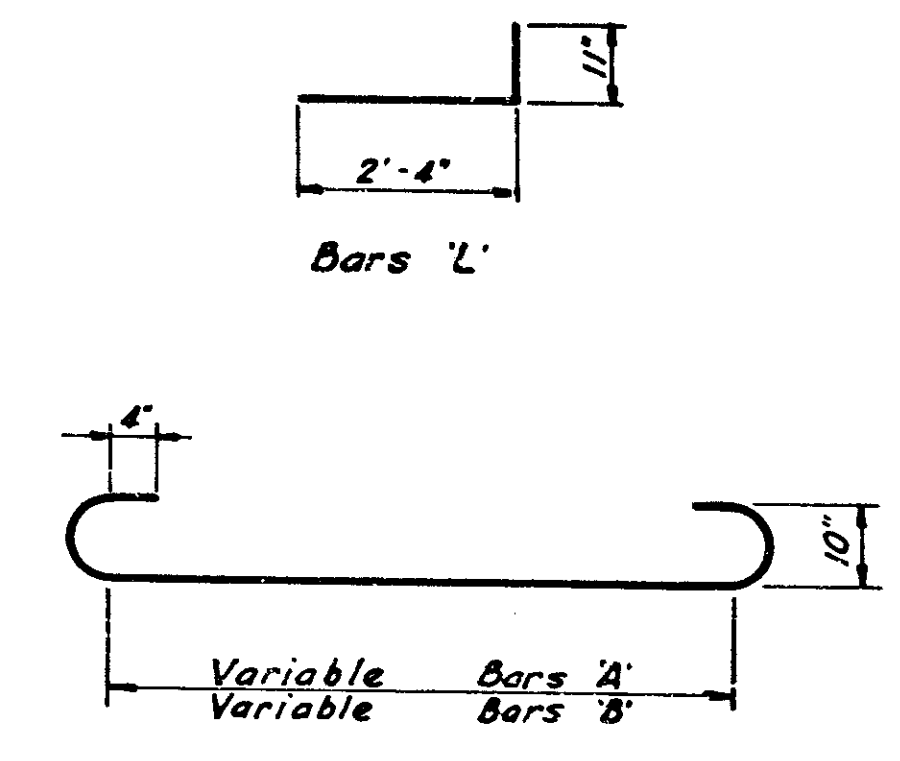
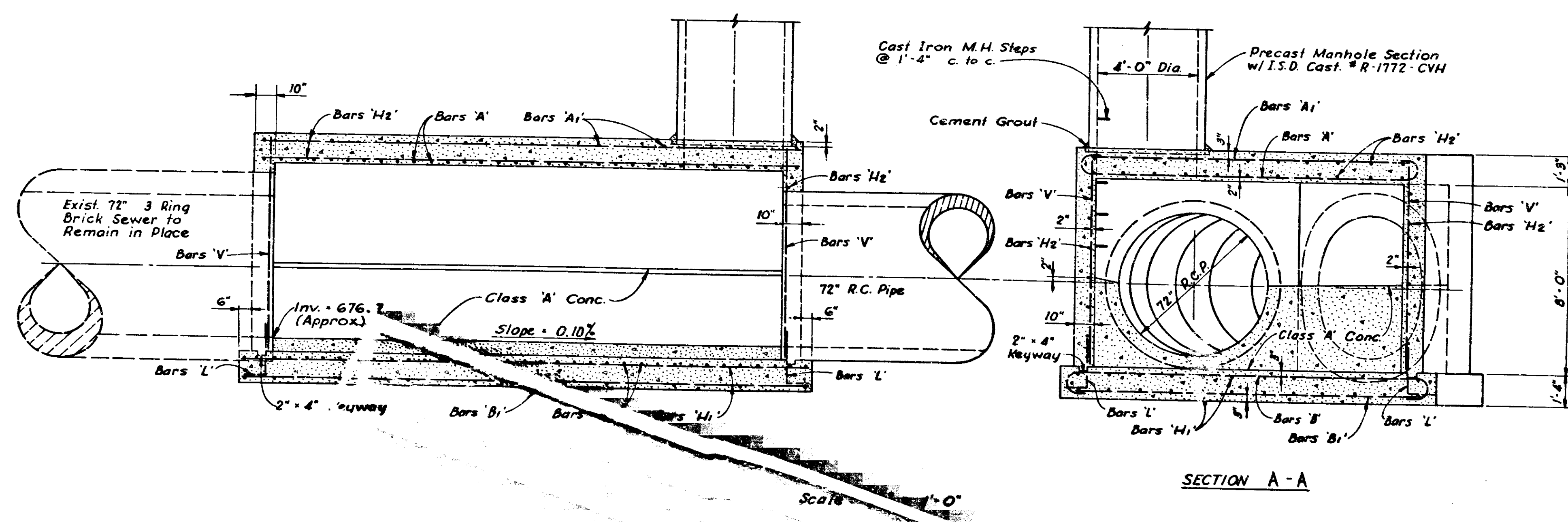
November 6, 1964

PROJECT NO.	SHEET NO.	TOTAL SHEETS	DATE
1-70-347577	102	107	



REINFORCING STEEL

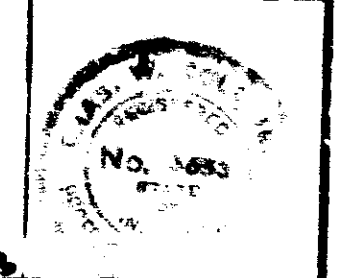
A BARS				A1 BARS				B BARS				B1 BARS				H1 BARS			
No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size
1	11'-6"	8"	#9	1	8'-3"	4"	#4	2	12'-4"	8"	#9	2	9'-1"	4"	#4	16	22'-0"	15"	#7
1	12'-9"	"	"	1	11'-8"	"	"	1	12'-11"	"	"	1	10'-10"	"	"	2	22'-0"	"	"
1	12'-4"	"	"	1	13'-4"	"	"	1	13'-2"	"	"	1	14'-2"	"	"	2	12'-7"	"	"
1	12'-8"	"	"	1	13'-9"	"	"	1	13'-8"	"	"	1	15'-8"	"	"	2	8'-4"	"	"
1	12'-11"	"	"	1	9'-10"	"	"	1	13'-9"	"	"	1	11'-7"	"	"	2	4'-2"	"	"
1	13'-5"	"	"	1	8'-4"	"	"	1	14'-1"	"	"	82'-11"				485'-8"			
1	13'-9"	"	"	75'-2"				1	14'-8"	"	"	L BARS				V BARS			
1	14'-1"	"	"	H2 BARS				1	14'-11"	"	"	No.	Length	Spa.	Size	No.	Length	Spa.	Size
1	14'-8"	"	"	No.	Length	Spa.	Size	1	15'-2"	"	"	48	3'-3"	11"	#6	48	9'-0"	11"	#7
1	14'-11"	"	"	24	21'-6"	15"	#7	1	15'-6"	"	"	156'-0"				432'-0"			
1	15'-2"	"	"	2	17'-0"	"	"	1	16'-7"	"	"	483'-7"				545'-8"			
1	15'-9"	"	"	2	18'-0"	"	"	1	16'-11"	"	"	764'-6"				764'-6"			
1	16'-1"	"	"	2	18'-9"	"	"	1	17'-2"	"	"	764'-6"				764'-6"			
1	16'-4"	"	"	2	19'-0"	"	"	1	17'-5"	"	"	764'-6"				764'-6"			
1	16'-7"	"	"	2	19'-6"	"	"	1	17'-9"	"	"	764'-6"				764'-6"			
1	16'-11"	"	"	8	16'-9"	"	"	1	17'-0"	"	"	764'-6"				764'-6"			
1	17'-2"	"	"	2	18'-3"	"	"	1	18'-1"	"	"	764'-6"				764'-6"			
2	17'-9"	"	"	1	9'-6"	"	"	1	18'-4"	"	"	764'-6"				764'-6"			
1	16'-5"	"	"	764'-6"				2	18'-0"	"	"	764'-6"				764'-6"			
1	13'-9"	"	"	764'-6"				1	18'-2"	"	"	764'-6"				764'-6"			
1	15'-1"	"	"	764'-6"				1	17'-5"	"	"	764'-6"				764'-6"			
1	14'-5"	"	"	764'-6"				1	16'-9"	"	"	764'-6"				764'-6"			
1	13'-8"	"	"	764'-6"				1	16'-2"	"	"	764'-6"				764'-6"			
1	13'-12"	"	"	764'-6"				1	15'-5"	"	"	764'-6"				764'-6"			
1	12'-4"	"	"	764'-6"				1	14'-9"	"	"	764'-6"				764'-6"			
1	11'-7"	"	"	764'-6"				1	14'-2"	"	"	764'-6"				764'-6"			
				764'-6"				1	13'-7"	"	"	764'-6"				764'-6"			
				764'-6"				2	13'-0"	"	"	764'-6"				764'-6"			



NOTE:
 For General Notes See
 Std. Sheet MD3
 For Precast Manhole Section
 See Std. Sheet MD3

STRUCTURE NO. 595
 SPECIAL JUNCTION BOX
 TYPE D
 NOT INCLUDED IN THIS CONTRACT
 BRIDGE CONTRACT I-70-3(69)77

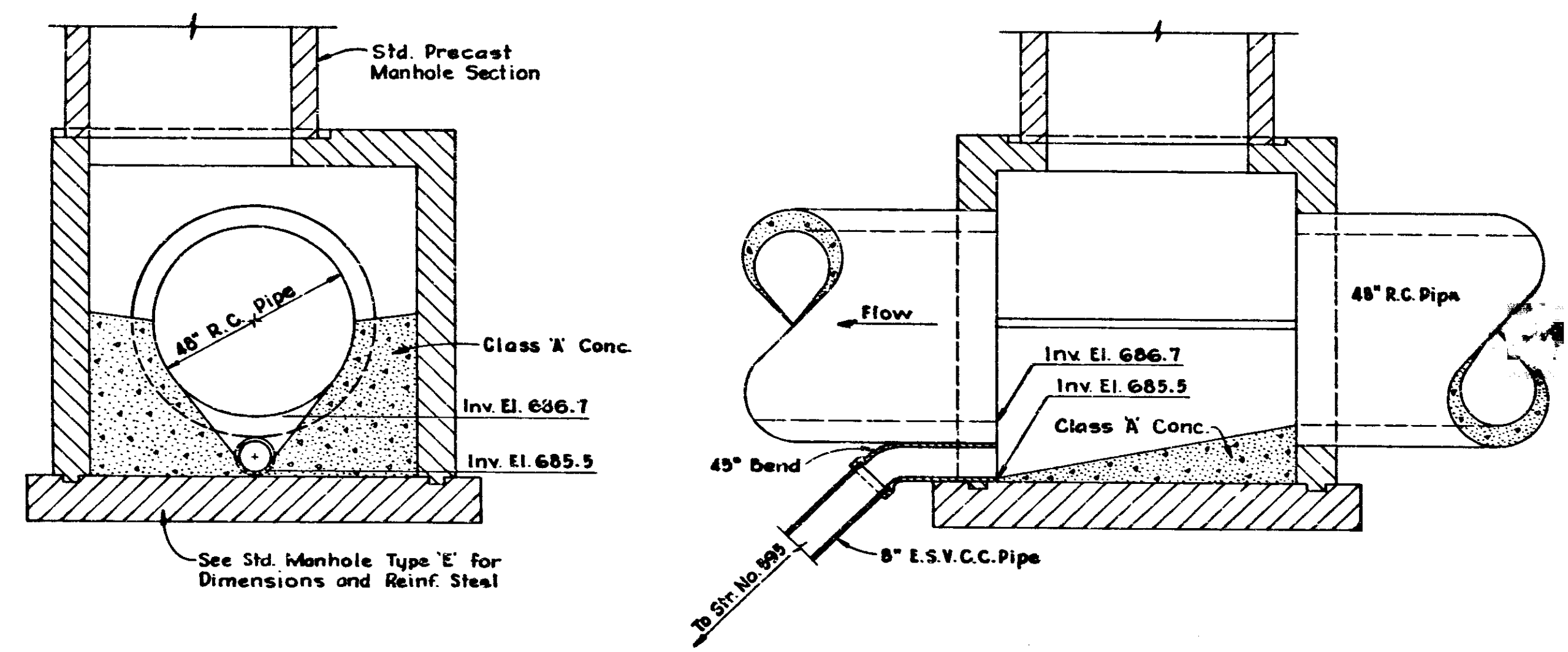
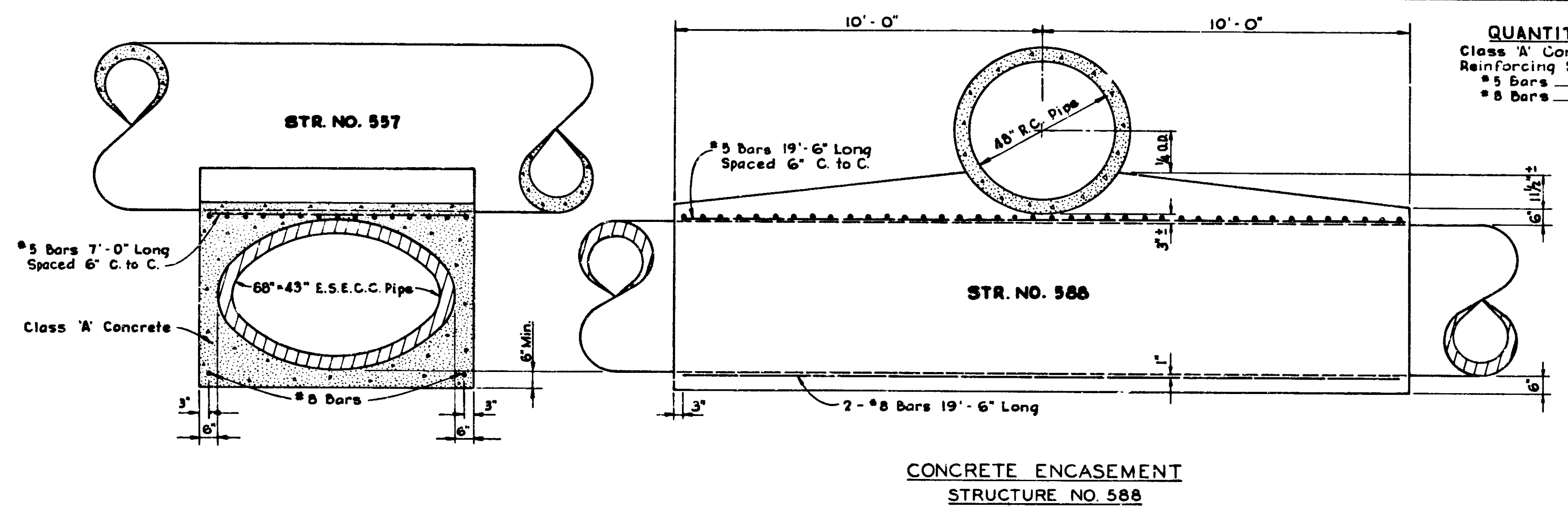
DETAILS



November 6, 1964

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(79)77	1970	105	

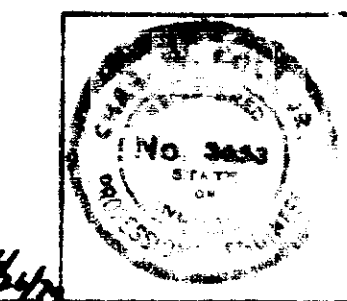
QUANTITIES
 Class 'A' Concrete 20.53 C.Y.
 Reinforcing Steel
 #5 Bars 568 Lbs.
 #8 Bars 104 Lbs.



SPECIAL MANHOLE TYPE 'E'
STRUCTURE NO. 596

NOT INCLUDED IN THIS CONTRACT
BRIDGE CONTRACT I-70-3(69)77

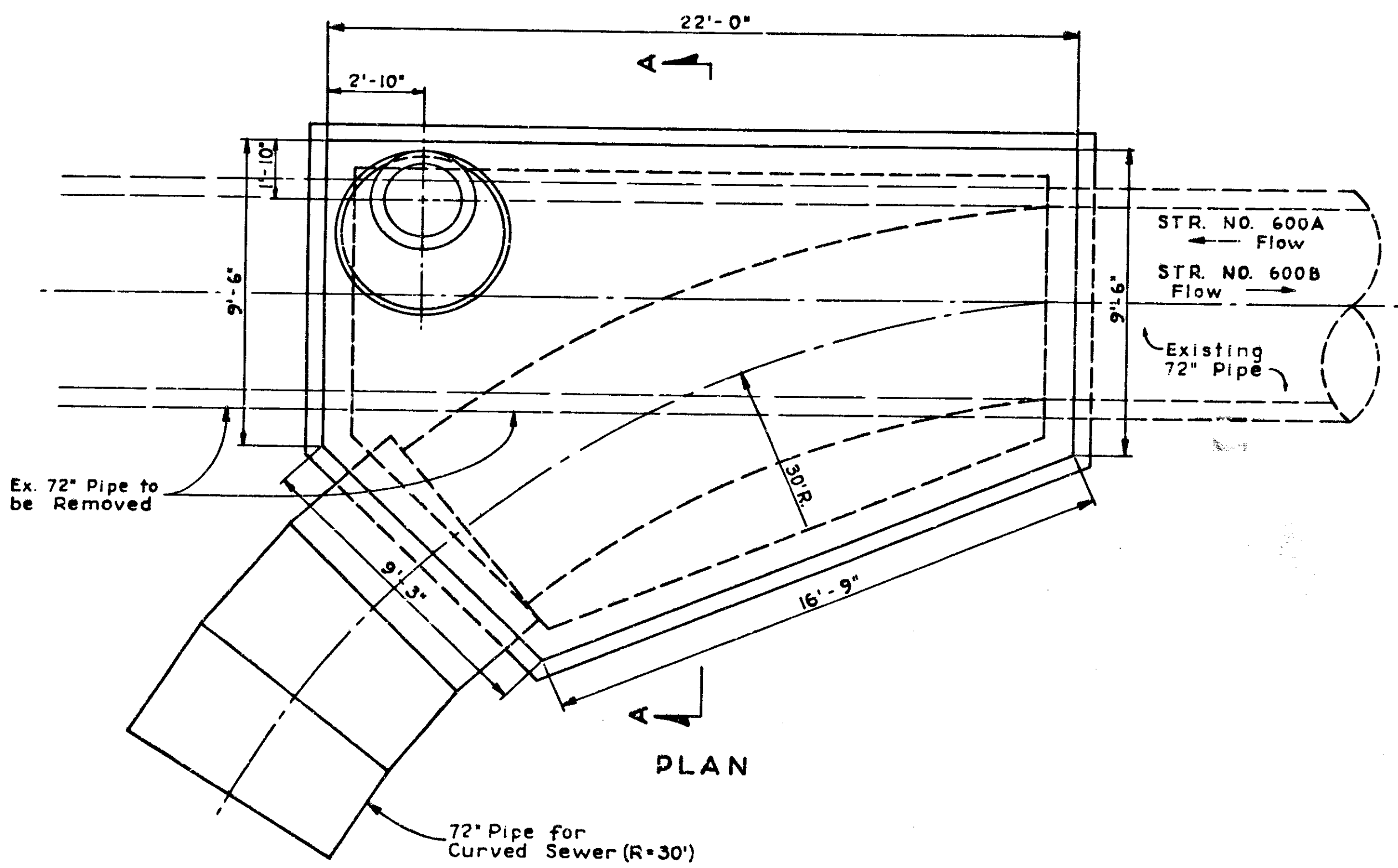
DETAILS
SCALE: 1/2" = 1'-0"
FOR INFORMATION ONLY
TO BE CONSTRUCTED IN I PROJ. 70-3(69)77



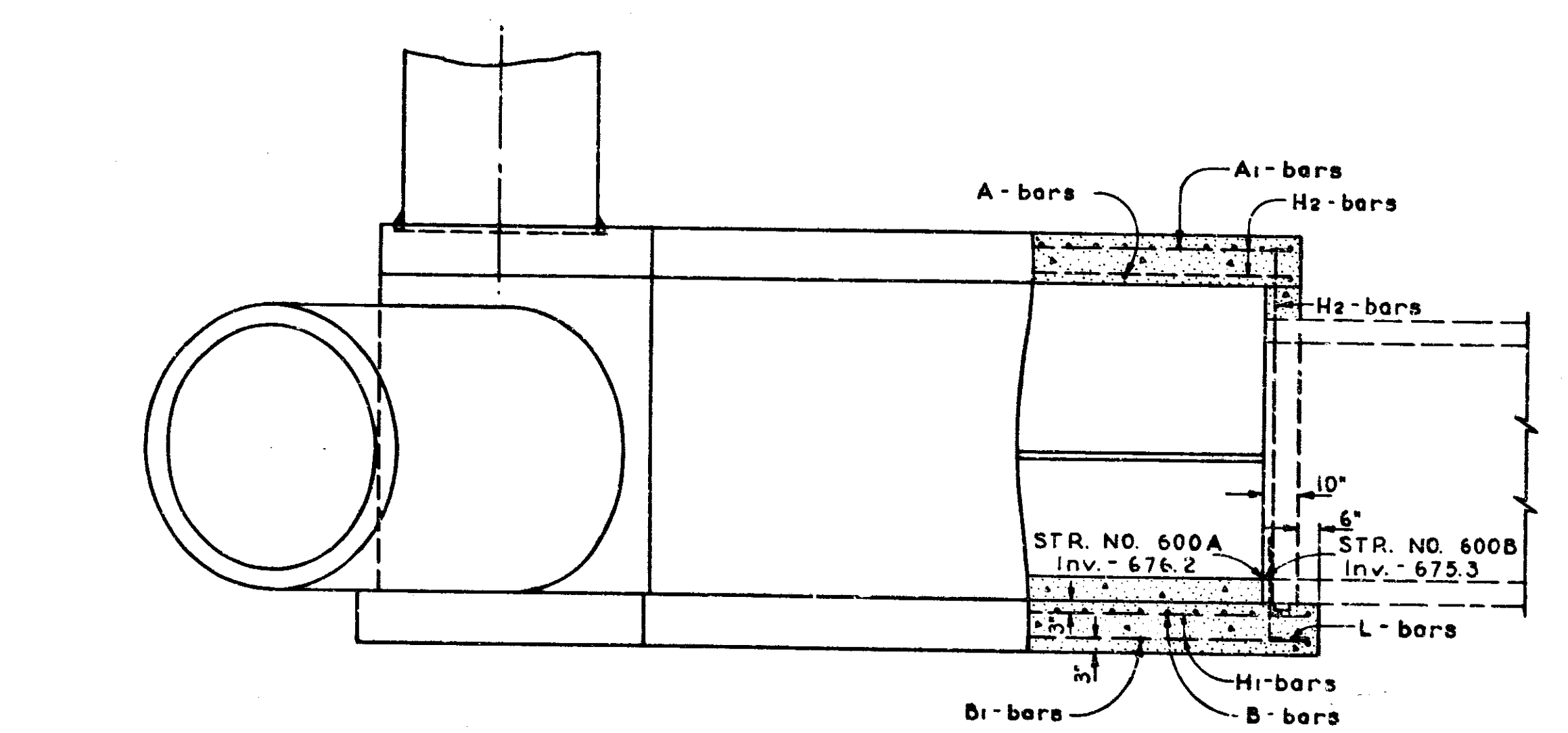
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	106	

REINFORCING STEEL

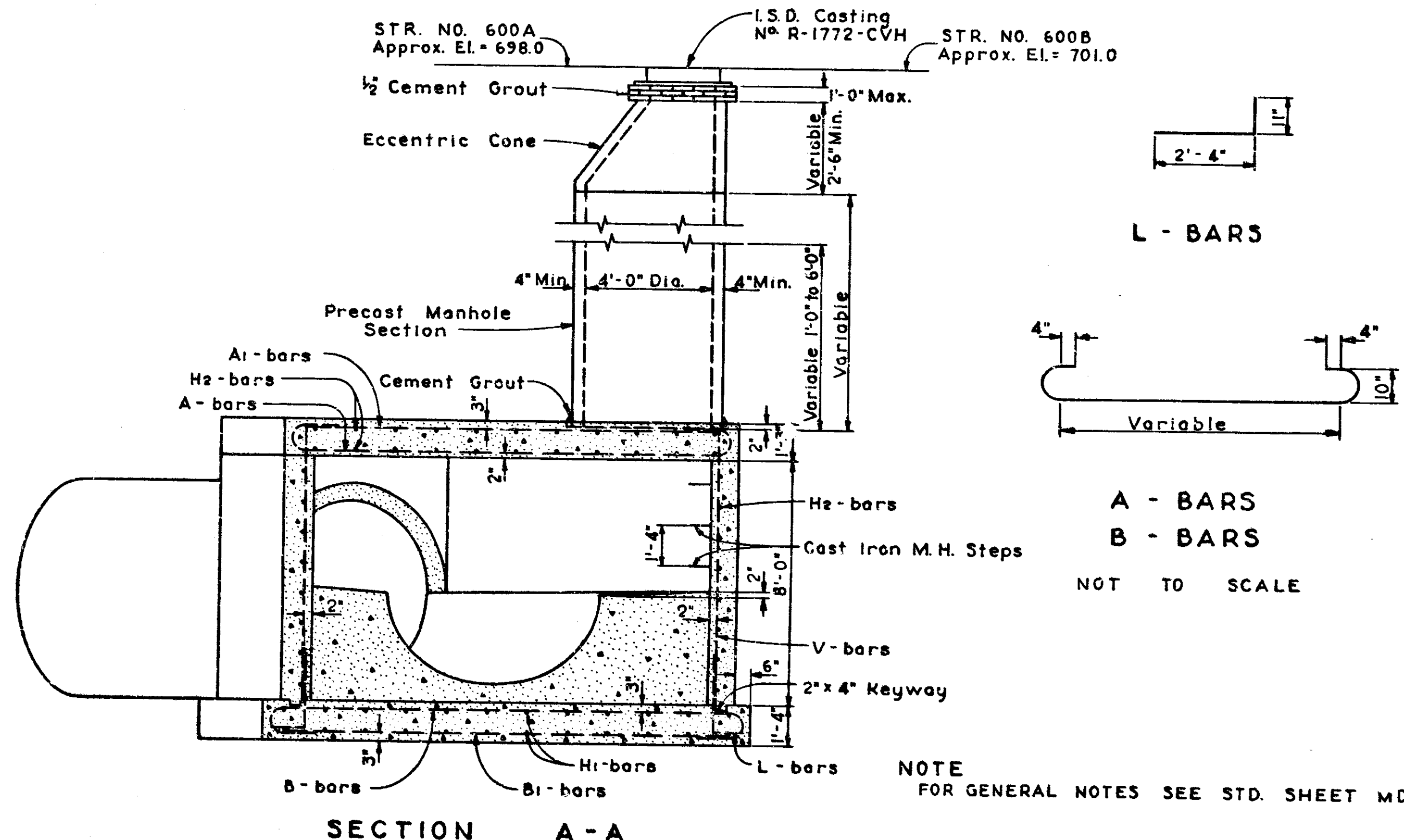
A BARS				A1 BARS				B BARS				B1 BARS				H1 BARS			
No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size
1	11'-6"		#9	1	10'-0"	4"	#4	2	12'-4"	8"	#9	2	9'-10"	4"	#4	16	22'-6"	15"	#7
2	2'-4"			2	11'-8"			1	2'-4"			2	21'-0"			2	16'-9"		
3	2'-8"			3	3'-4"			1	3'-2"			1	4'-2"			2	15'-7"		
4	2'-11"			4	9'-10"			1	3'-5"			2	8'-4"			2	8'-4"		
5	3'-3"			5	8'-4"			1	4'-7"			2	11'-7"			2	4'-2"		
6	13'-6"			75'-2"				82'-11"				485'-8"							
7	13'-9"			H2 BARS				L BARS				V BARS							
8	4'-5"			No. <th>Length</th> <th>Spa.</th> <th>Size</th> <th>No.</th> <th>Length</th> <th>Spa.</th> <th>Size</th> <th>No.</th> <th>Length</th> <th>Spa.</th> <th>Size</th>	Length	Spa.	Size	No.	Length	Spa.	Size	No.	Length	Spa.	Size				
9	4'-8"			24	21'-6"	15"	#7	16	4'-4"			48	3'-3"	11"	#6				
10	4'-11"			2	17'-0"			16	6'-4"			48	9'-0"	11"	#7				
11	4'-5"			2	13'-0"			16	6'-1"			156'-0"							
12	4'-11"			2	8'-9"			16	8'-2"			432'-0"							
13	4'-8"			2	4'-5"			16	7'-5"										
14	4'-11"			2	4'-6"			16	7'-9"										
15	5'-2"			2	8'-11"			16	7'-9"										
16	5'-6"			2	16'-2"			16	8'-4"										
17	6'-1"			2	16'-4"			16	8'-8"										
18	6'-4"			2	16'-7"			16	8'-11"										
19	6'-7"			2	16'-11"			16	8'-11"										
20	6'-11"			2	17'-2"			16	8'-11"										
21	7'-5"			2	17'-5"			16	8'-11"										
22	7'-0"			764'-6"				545'-8"											
23	16'-5"																		
24	16'-9"																		
25	15'-1"																		
26	4'-5"																		
27	3'-8"																		
28	3'-11"																		
29	3'-4"																		
30	11'-7"																		
				483'-7"															



PLAN



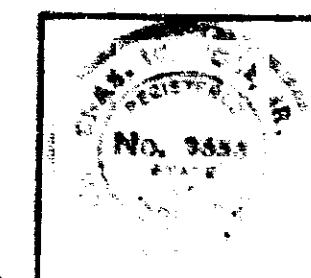
ELEVATION

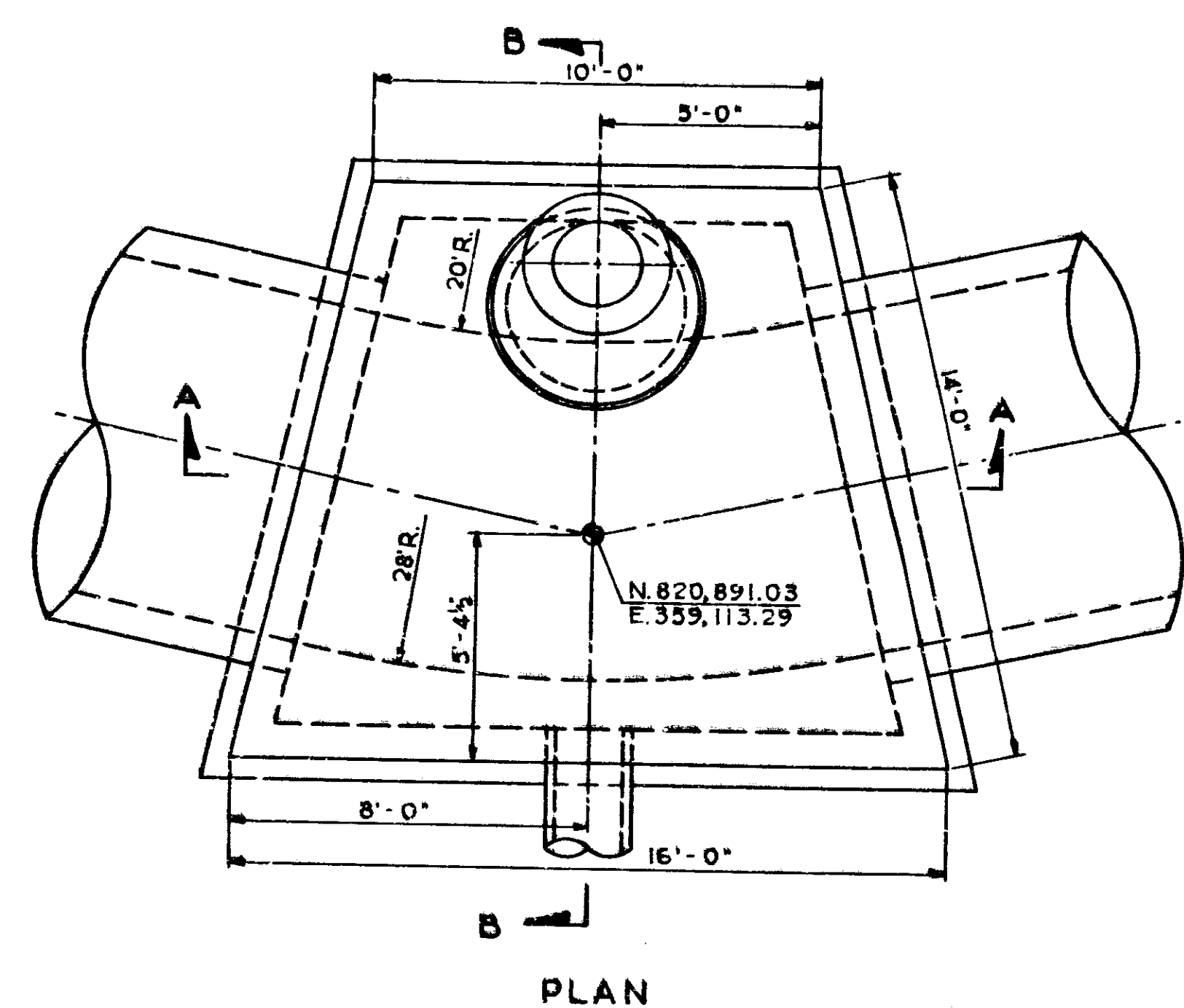


SECTION A - A

NOT INCLUDED IN THIS CONTRACT
BRIDGE CONTRACT I-70-3(69)77

SPECIAL JUNCTION BOX
TYPE "D"
STR. NO. 600A & STR. NO. 600B
SCALE: 3/8" = 1'-0"

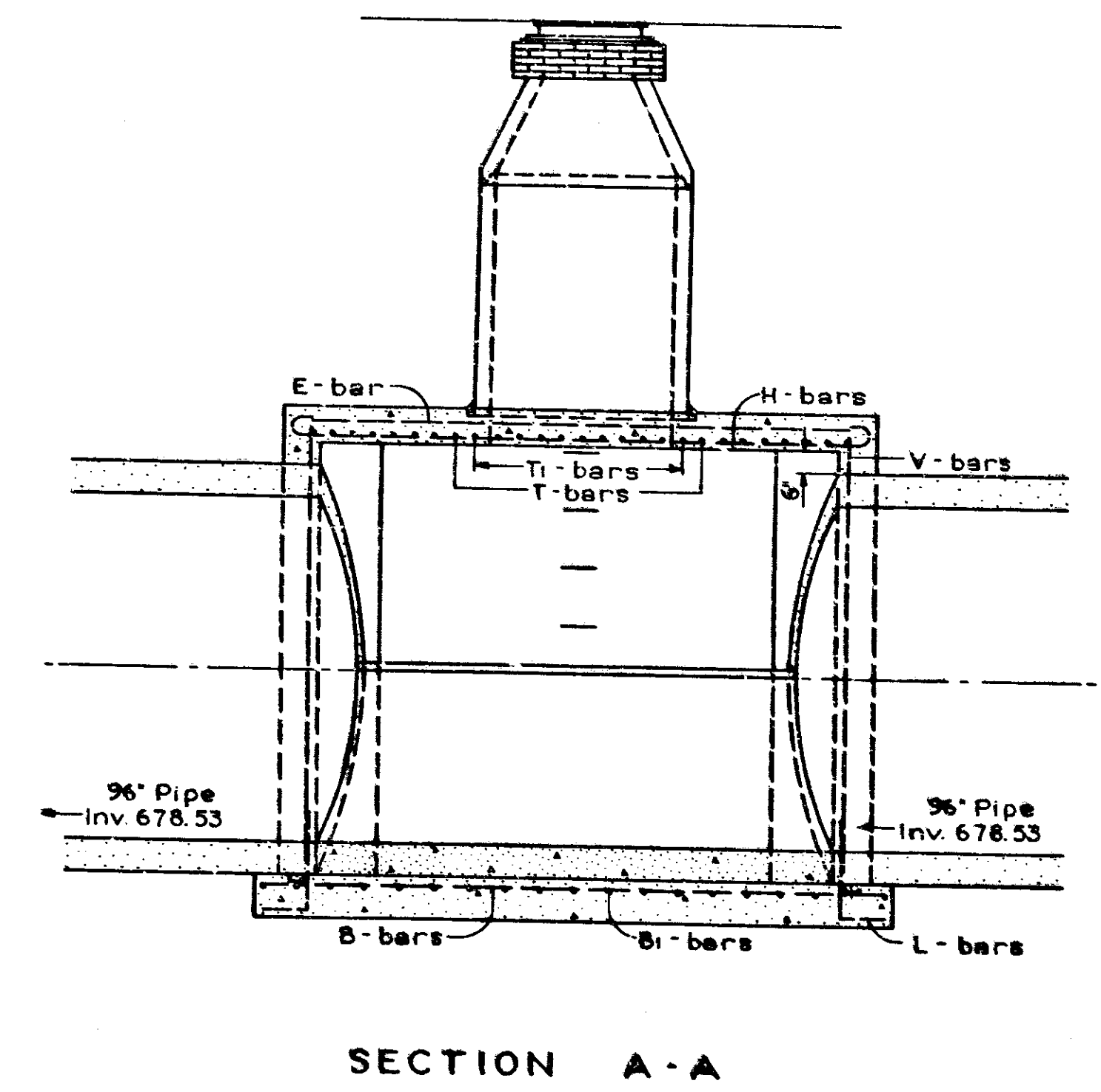




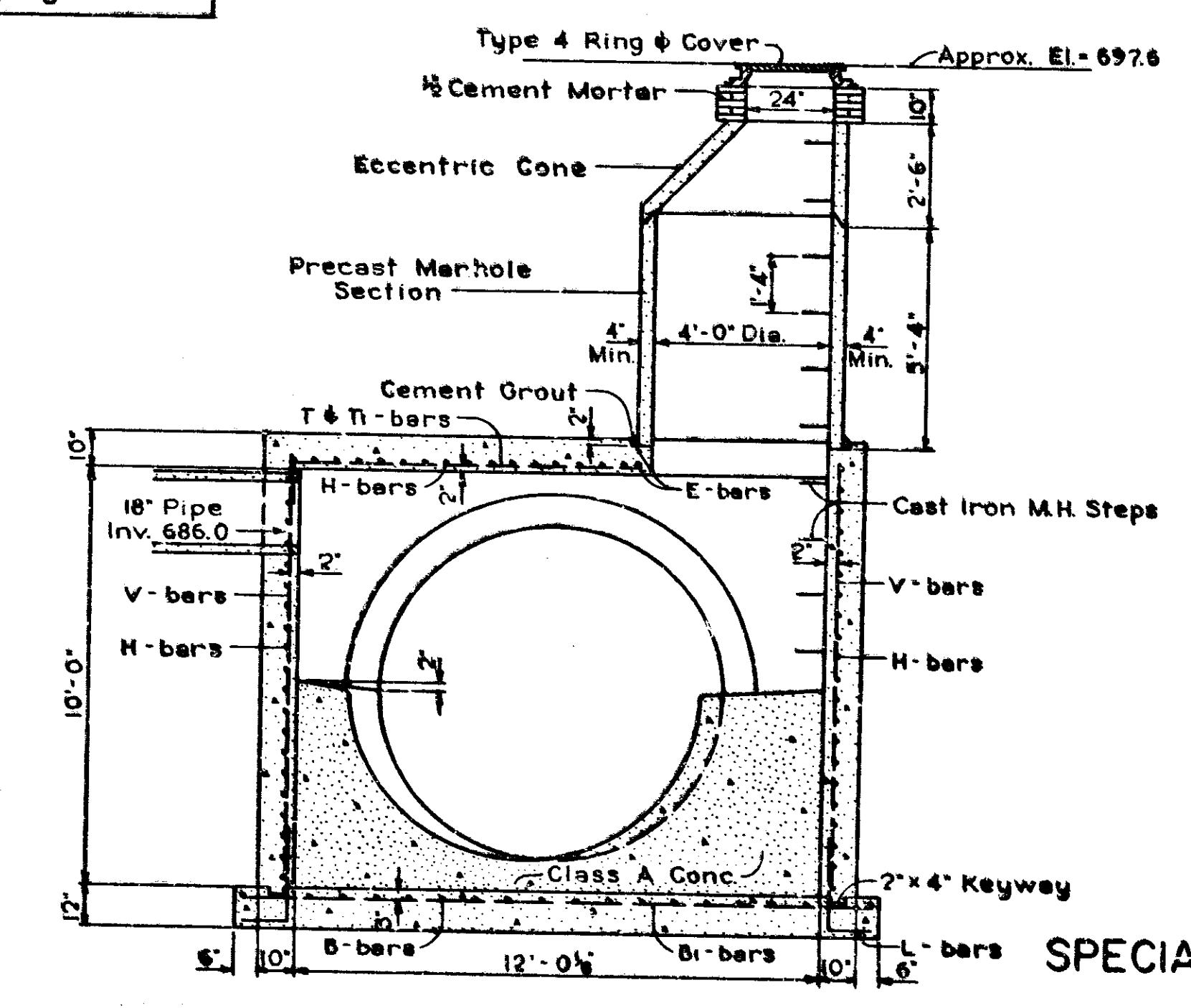
REINFORCING STEEL - MANHOLE NO. 3

B - BARS			B ₁ - BARS			E - BARS			H - BARS			L - BARS			T - BARS			T ₁ - BARS			V - BARS		
No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size	No.	Length	Spa. Size
1	10'-7"	9" #5	7	14'-4"	9" #5	2	11'-10"	4" #5	21	11'-3"	6" #5	50	3'-0"	12" #5	6	14'-1"	6" #5	5	8'-9"	6" #5	56	10'-1"	6" #5
1	10'-11"	"	6	14'-5"	"										4	14'-2"	"	2	9'-2"	"			
1	11'-3"	"	4	14'-6"	"										4	14'-3"	"	2	9'-6"	"			
1	11'-7"	"	4	14'-7"	"										2	14'-4"	"	2	10'-0"	"			
1	11'-11"	"	2	14'-8"	"																		
1	12'-3"	"							1	13'-2"	"												
1	12'-7"	"							1	13'-5"	"												
1	12'-11"	"							1	13'-7"	"												
1	13'-3"	"							1	13'-10"	"												
1	13'-7"	"							1	14'-1"	"												
1	13'-11"	"							1	14'-3"	"												
1	14'-3"	"							1	14'-6"	"												
1	14'-7"	"							1	14'-9"	"												
1	14'-11"	"							1	14'-11"	"												
1	15'-3"	"							1	15'-2"	"												
1	15'-7"	"							1	15'-5"	"												
1	15'-11"	"							1	15'-7"	"												
1	16'-3"	"							1	15'-10"	"												
1	16'-7"	"							1	16'-1"	"												
1	16'-11"	"							1	16'-3"	"												
									1	16'-6"	"												
									21	16'-8"	"												
275'-0"			332'-6"			23'-8"			823'-7"			150'-0"			226'-10"			101'-1"			564'-8"		

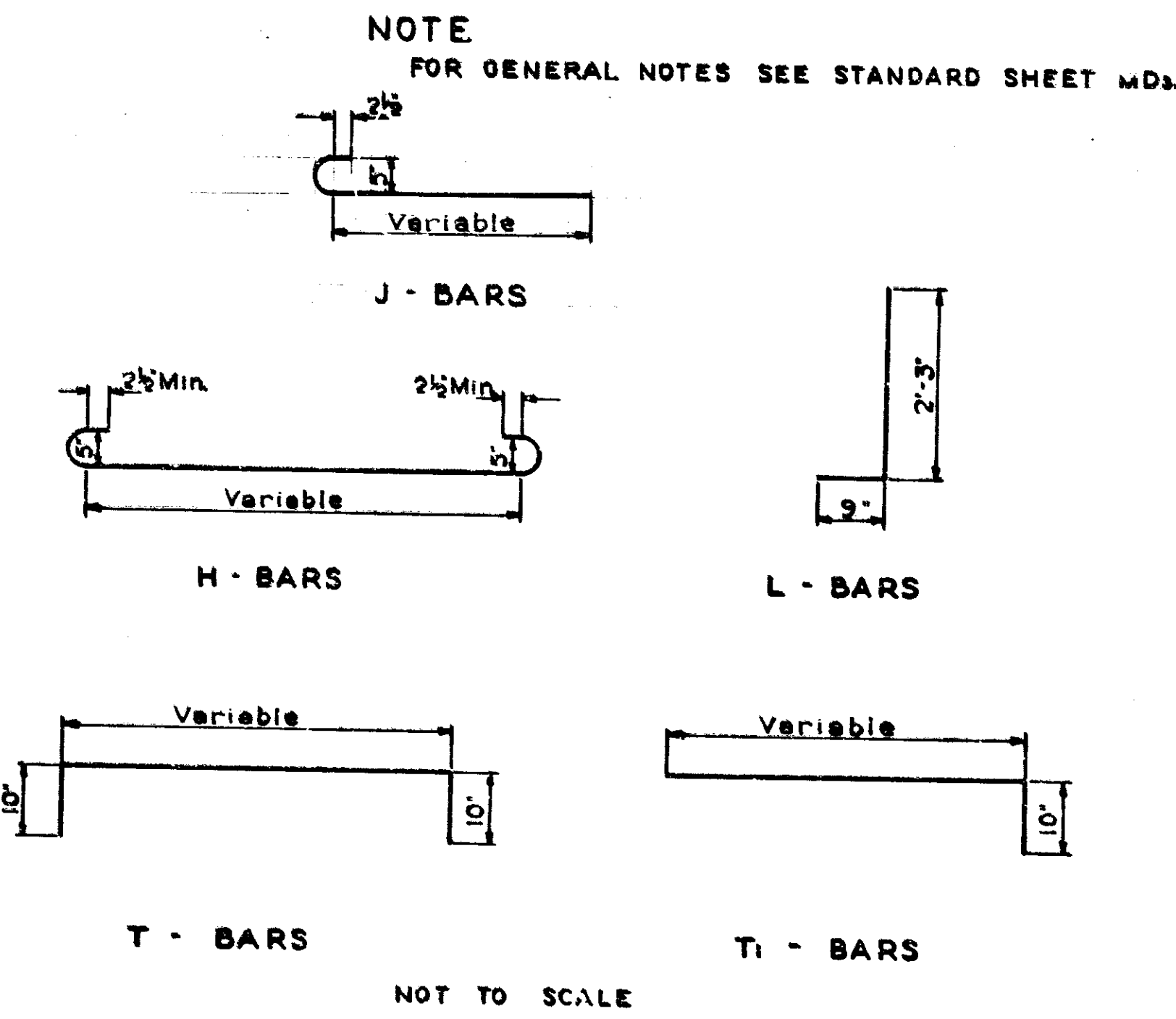
J - BARS			
No.	Length	Spa.	Size
12	3'-10"	6"	#5
2	4'-7"	"	"
2	5'-3"	"	"
65'-8"			



SECTION A-A

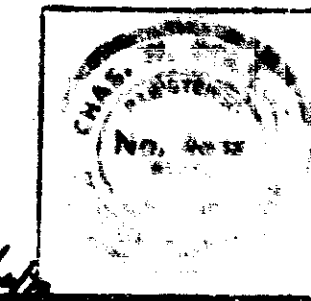


SECTION B-B



SPECIAL JUNCTION BOX
TYPE 'E'
STRUCTURE NO. 38 - MANHOLE NO. 3
SCALE: 1/8" = 1'-0"

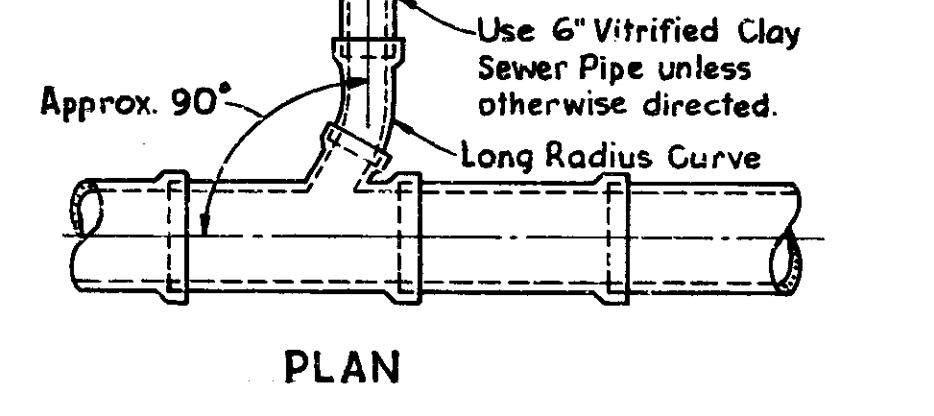
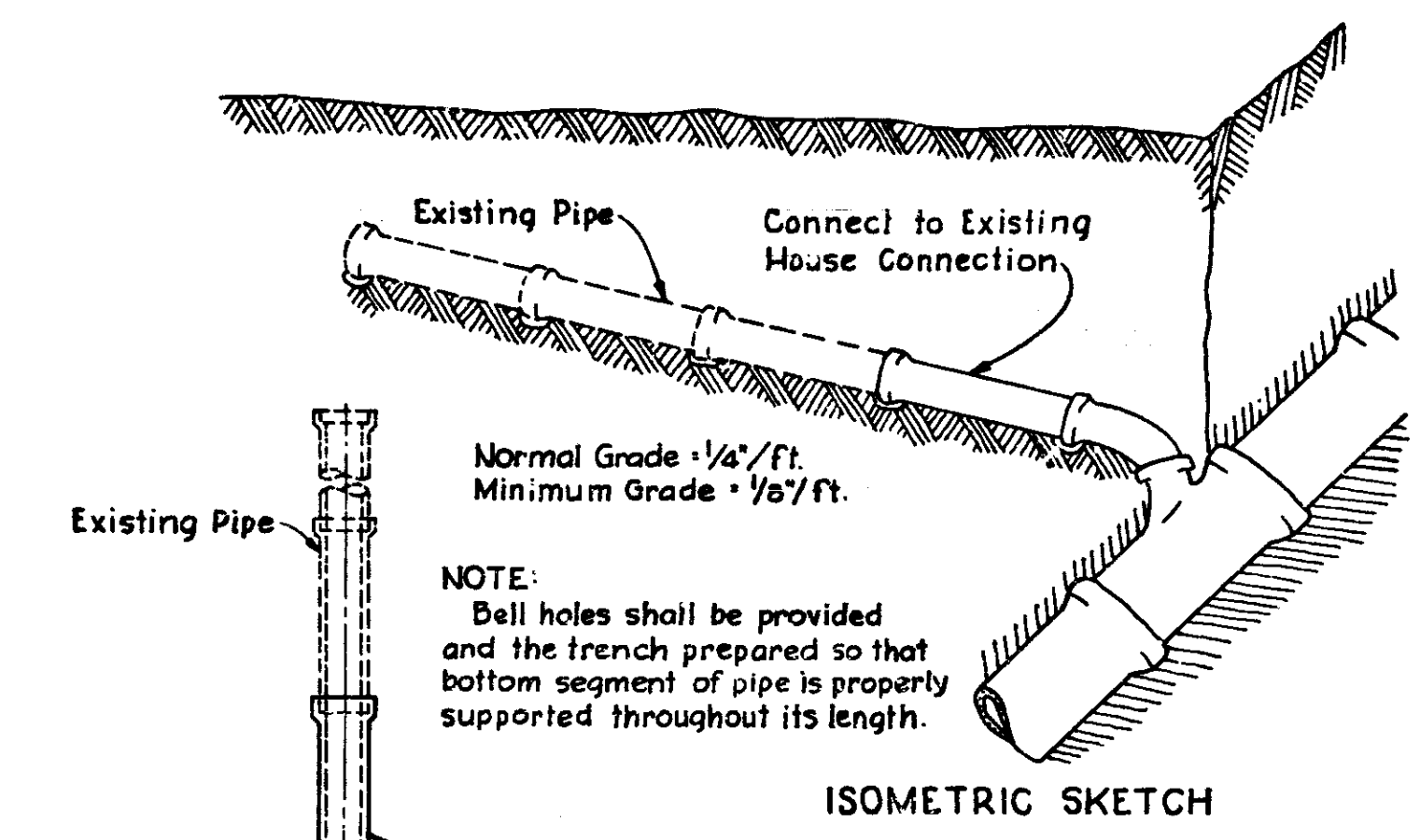
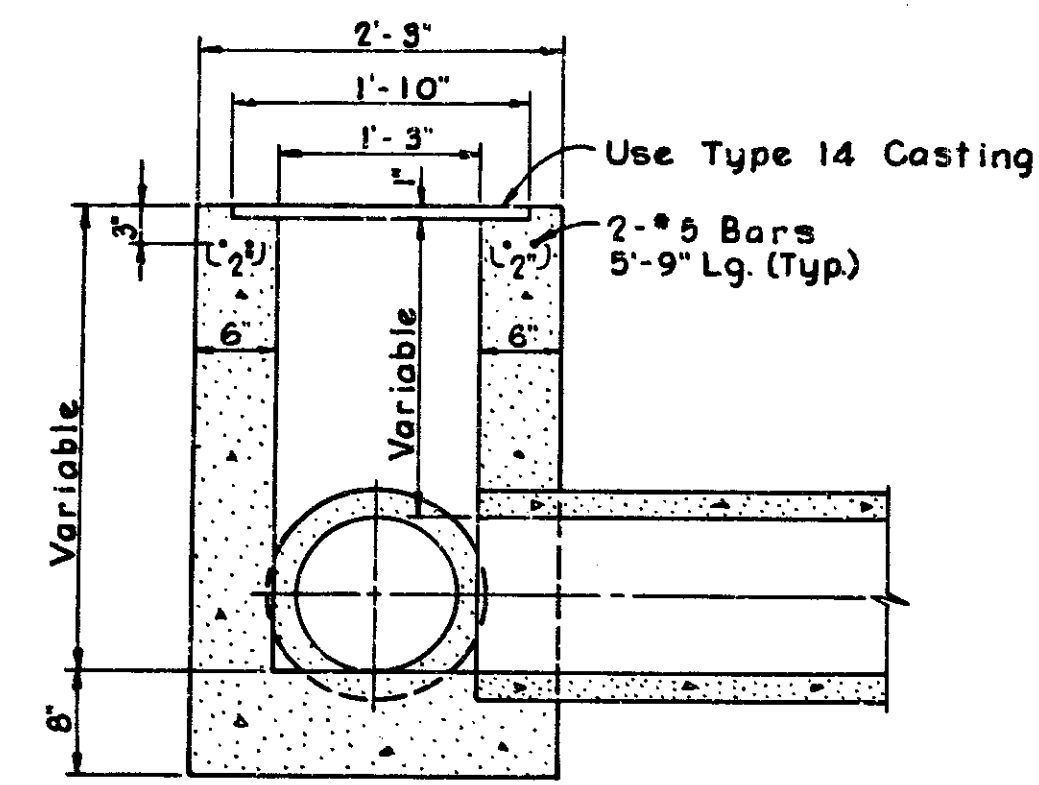
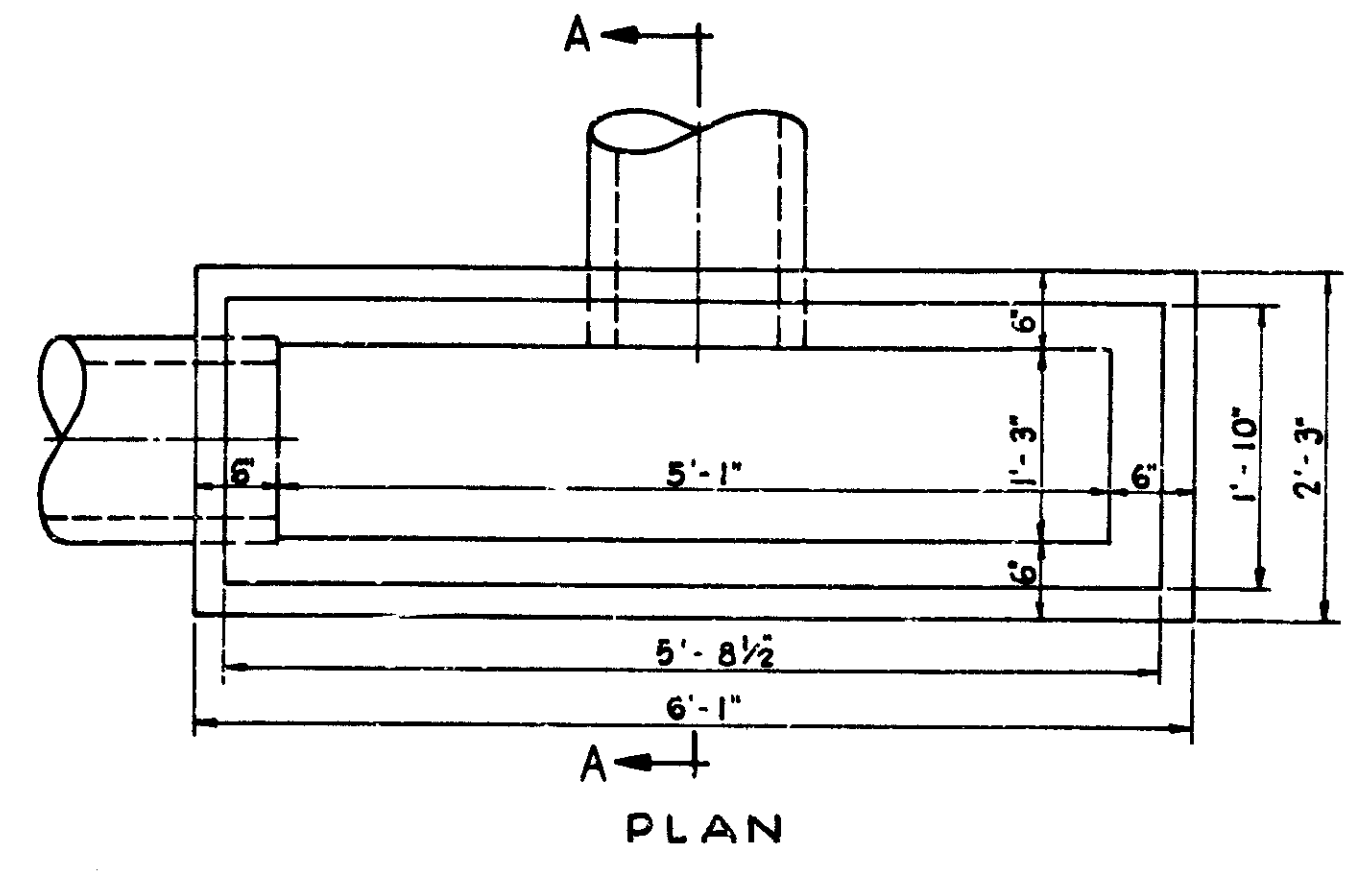
DETAILS



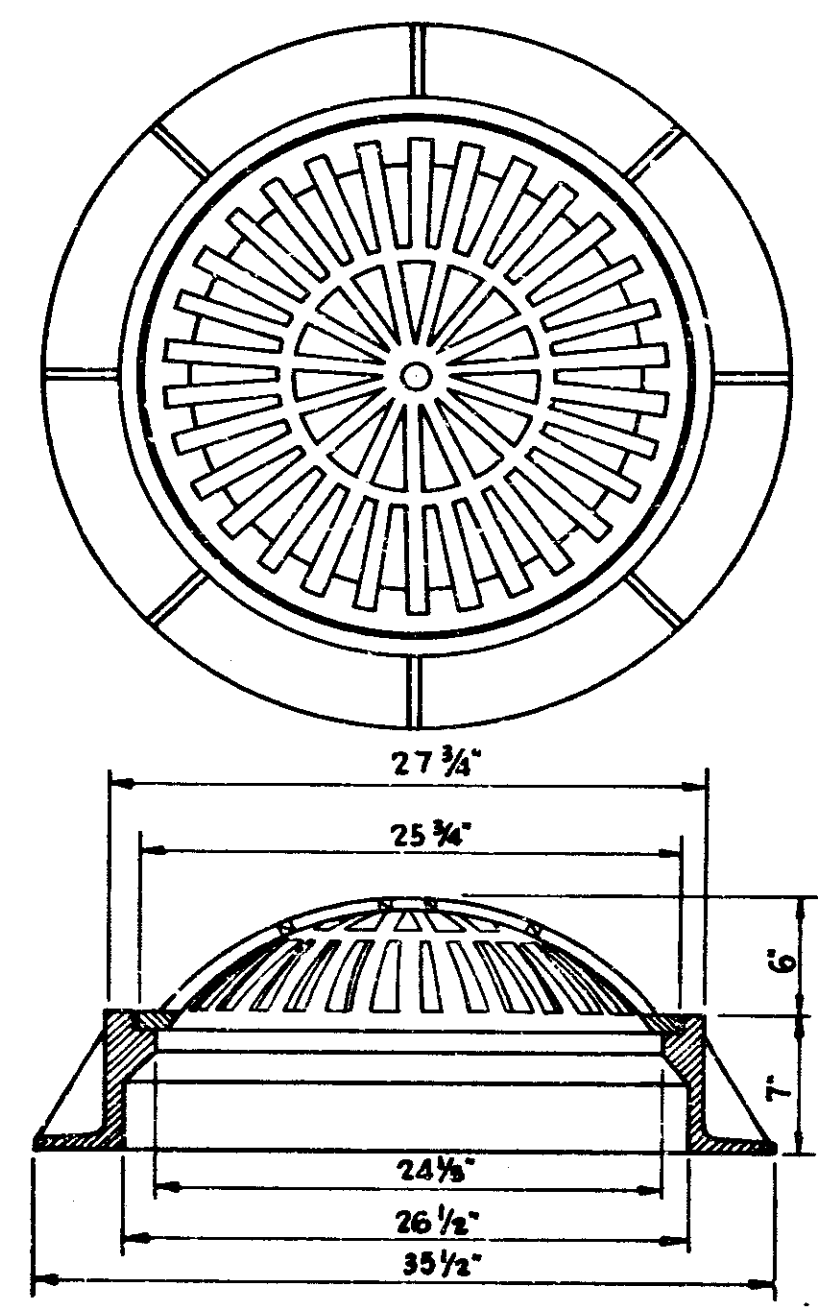
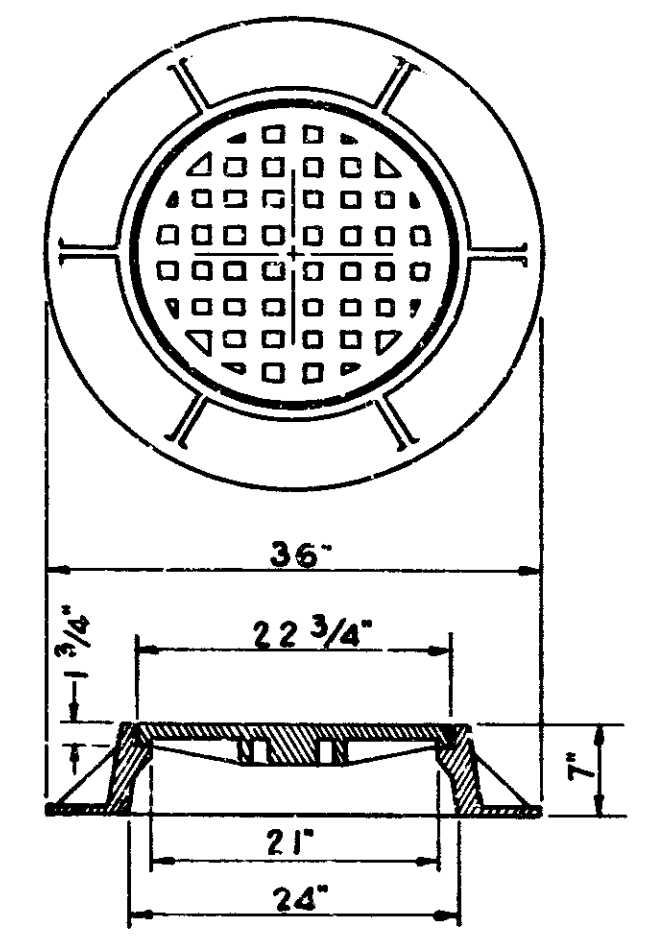
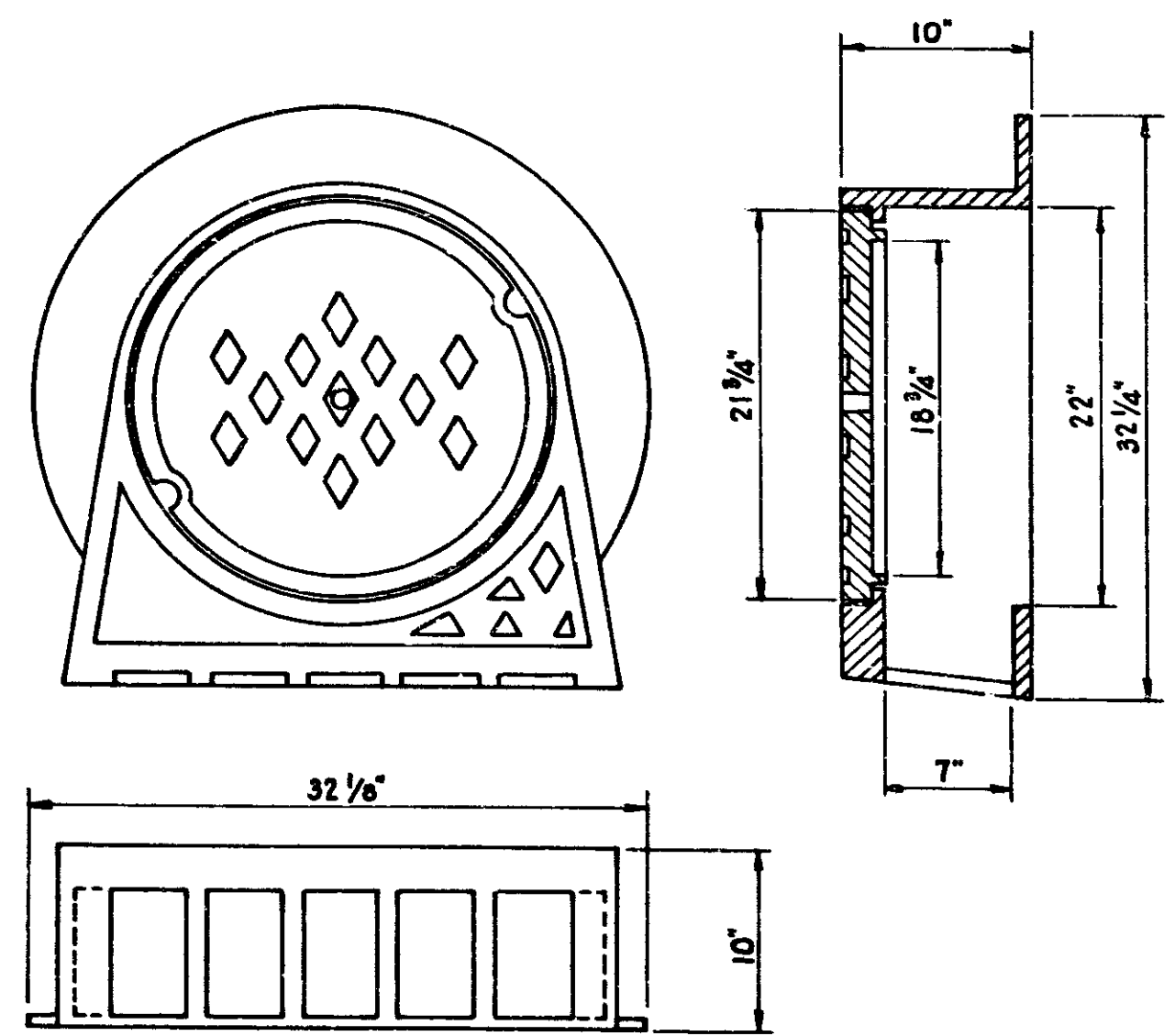
NOT INCLUDED IN THIS CONTRACT FOR INFORMATION ONLY

INDIANAPOLIS SANITARY DISTRICT FACILITIES

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	197	108	

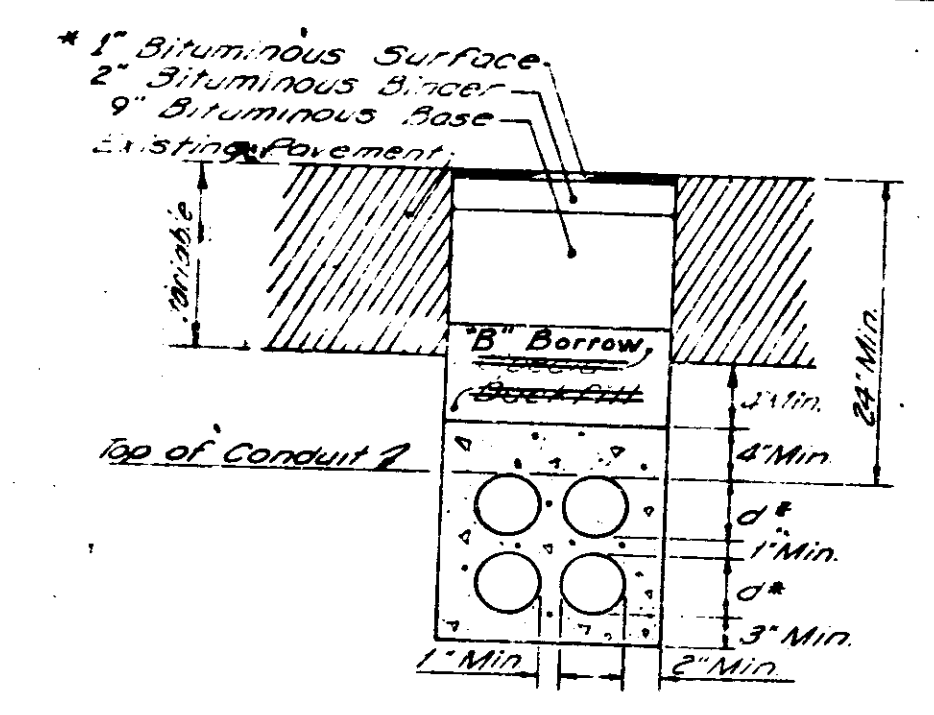


HOUSE CONNECTION TO MAIN SEWER
SCALE: DIAGRAMMATIC



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-3(75)		108 A	237

UNDER PAVEMENT

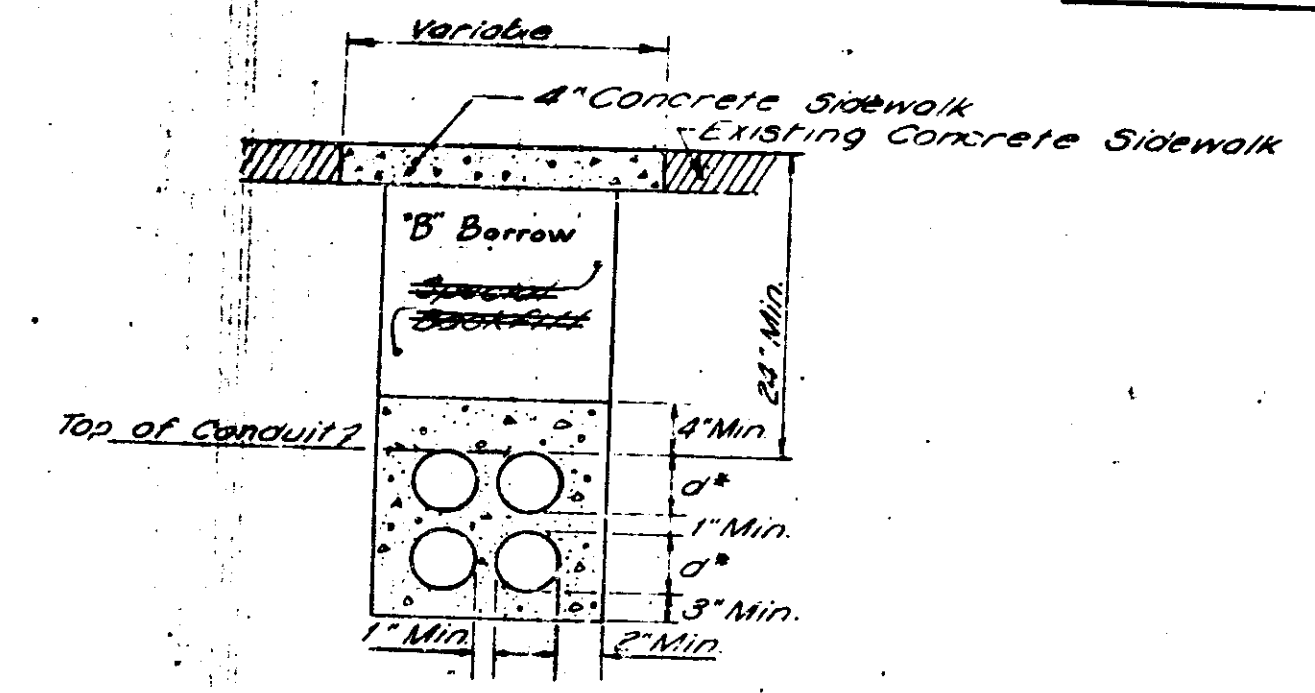


* 1 1/2\"/>

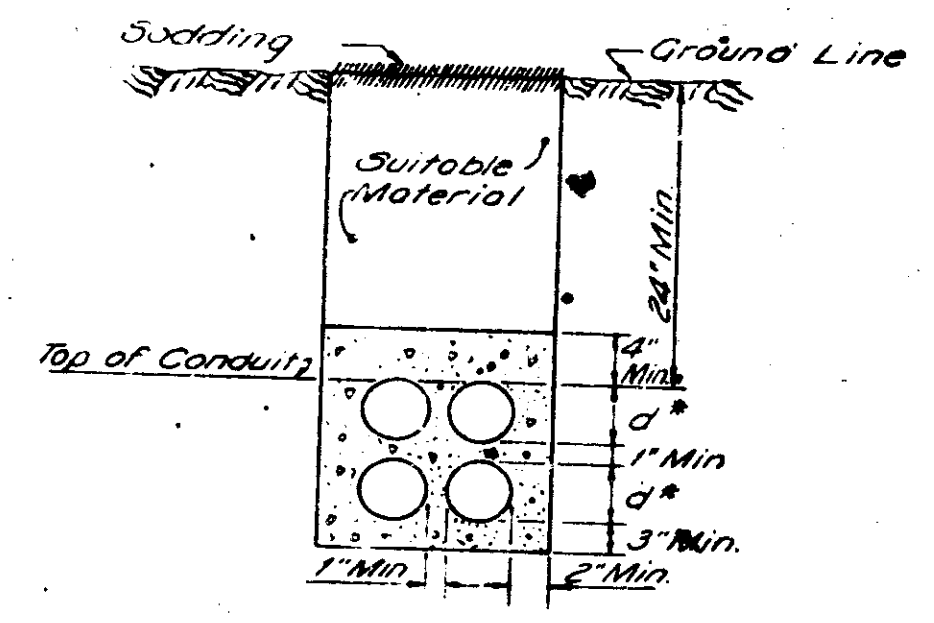
110# 5yd. Hot A.E. Surface Type "B" On 220# 3yd. Hot A.E. Binder and 990# 3yd. Hot A.E. Base (3 Lays)

110# 5yd. Hot A.E. Surface Type III On 220# 3yd. Hot A.E. Binder and 990# 3yd. Hot A.E. Base (3 Lays)

NON-PAVED AREA



* dimension of outside diameter of conduit.

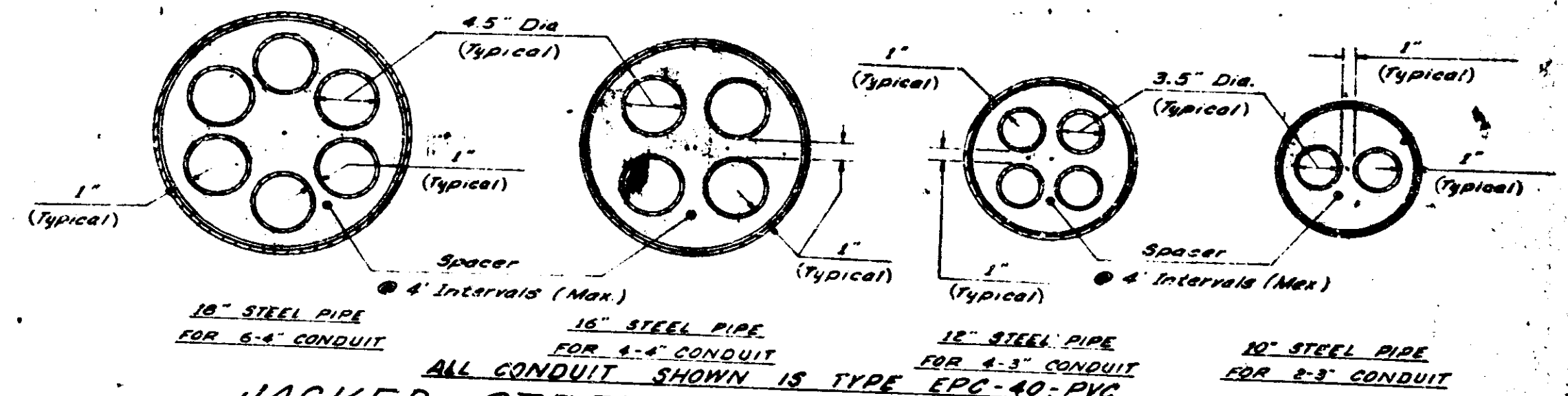


GENERAL NOTES

1. Conduit used to be PVC Power and Communication Duct Type EB (D.O.T. Specs. 910-CB-444-82).
2. Class B Concrete to be used for enclosure.
3. For additional conduit or multi-reevey installations, trench must be deeper as required.
4. Pavement and sidewalks are to be opened with saw cut edges.
5. All replaced materials are to be in accordance with adjacent grade.
6. At sidewalk replacement locations, 1\"/>

TYPICAL CONDUIT TRENCH

Not To Scale



JACKED STEEL PIPE WITH CONDUIT

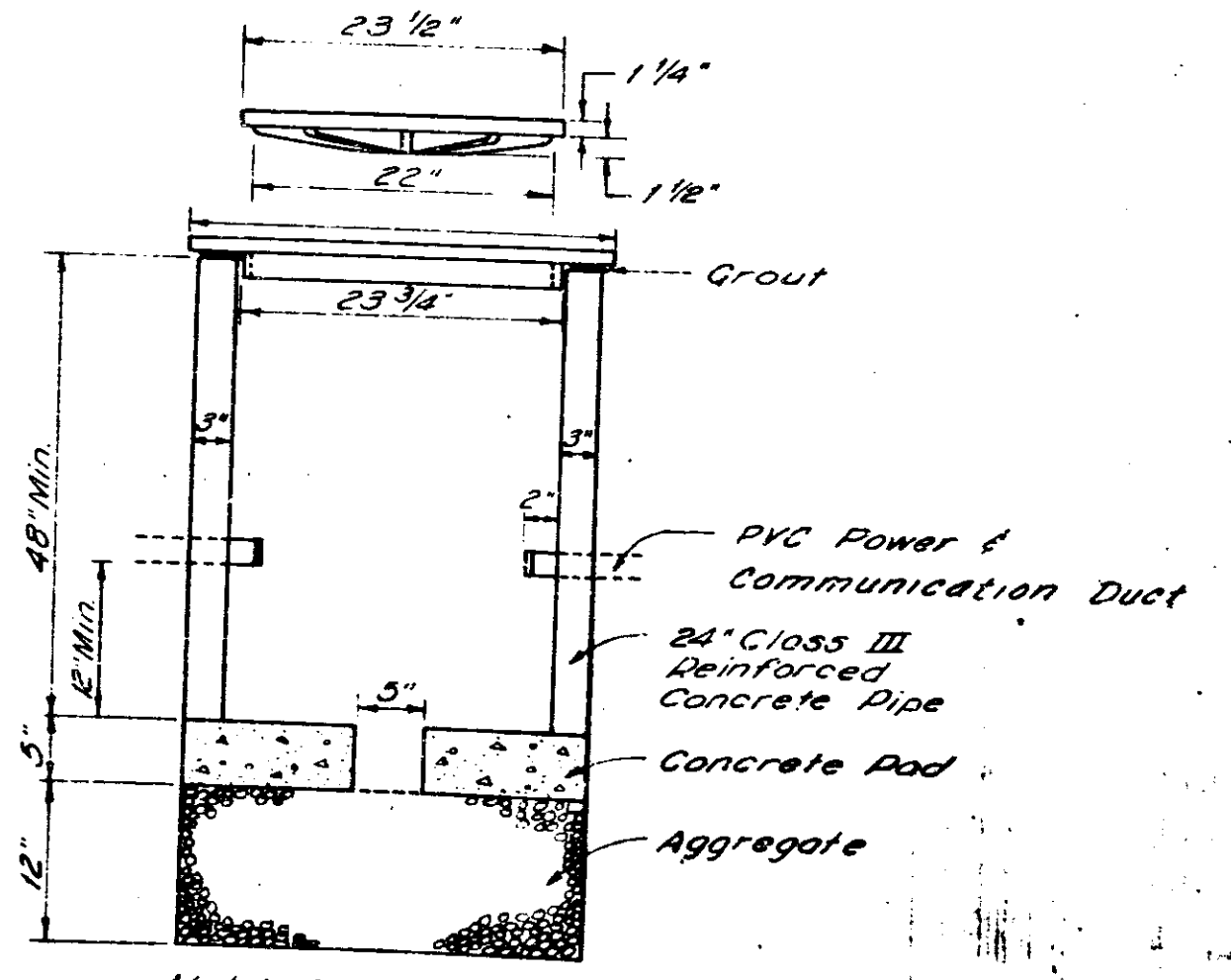
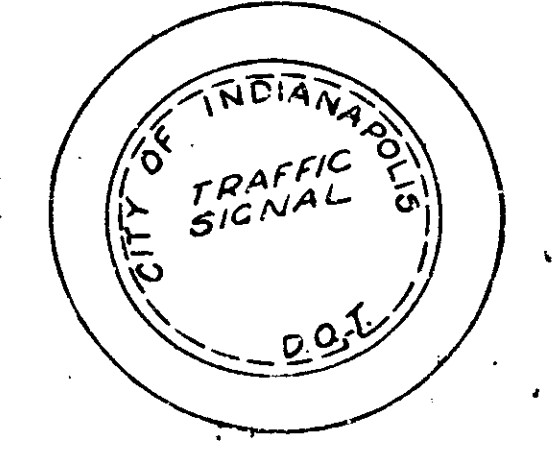
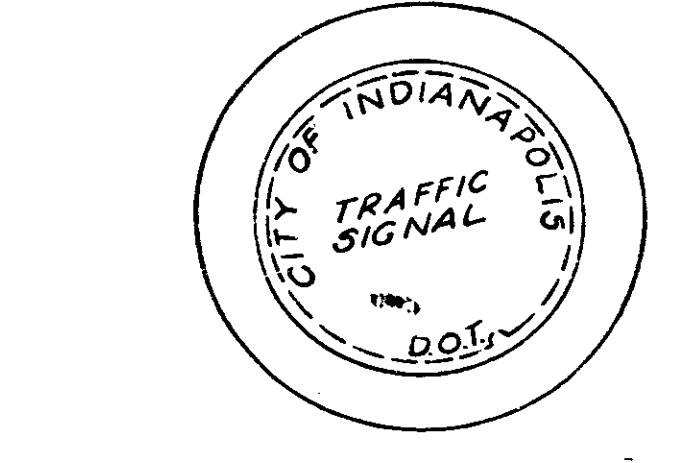
Not To Scale

GENERAL NOTE:

1. Jacked Steel Pipe is to be a Ni-Al-Cu Alloy Steel Pipe conforming to ASTM A-53.
2. For applicable specifications refer to Indiana State Highway Commission Standard Specification 716.03 dated 1971.

GENERAL NOTES:

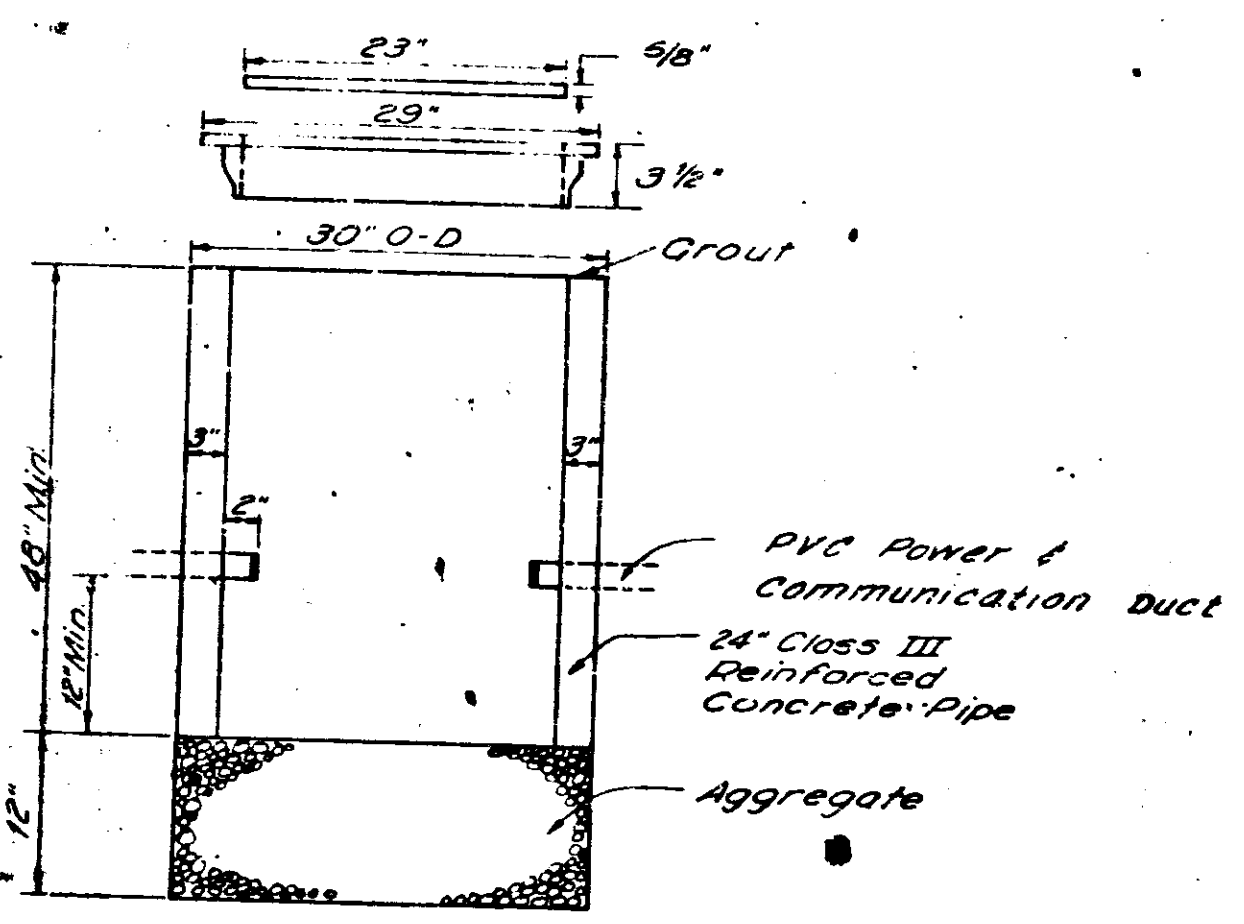
1. All hand holes shall be installed with top flush with adjoining surfaces.
2. For applicable specifications refer to Indiana State Highway Commission Standard Specifications 912.15 and 932.02 dated 1971.



Note: Approximate weight for cast iron ring and cover shall be 277 lbs.

HEAVY DUTY STREET AND ALLEY TYPE HAND HOLE

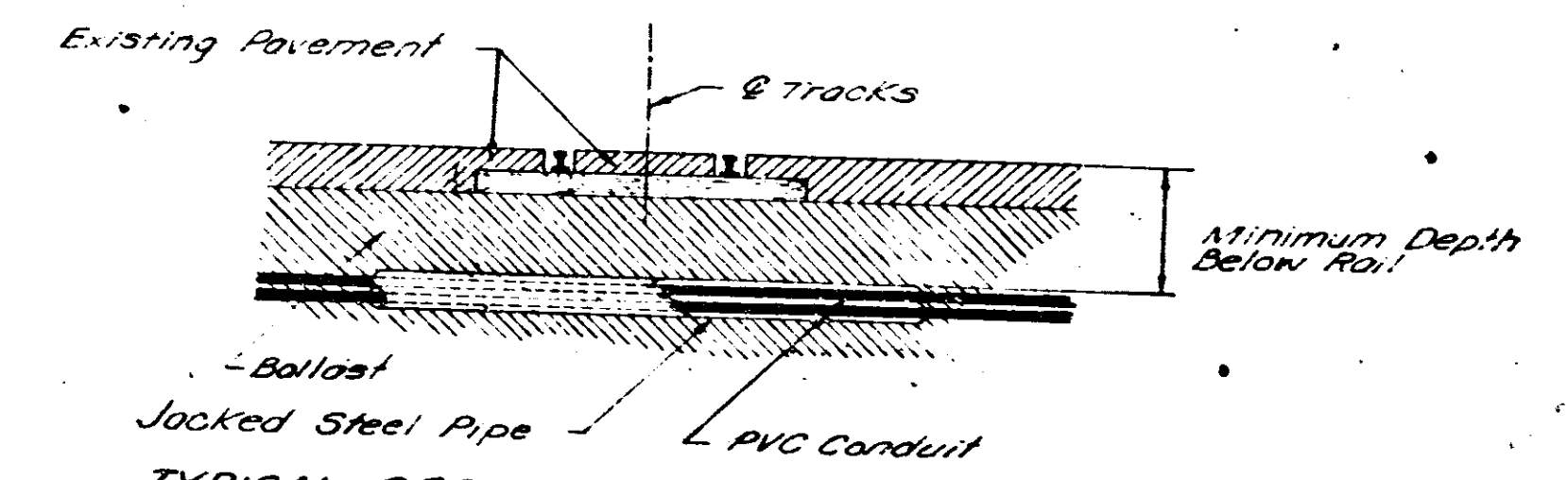
Not To Scale



Note: Approximate weight for cast iron ring and cover shall be 122 lbs.

SIDEWALK TYPE HAND HOLE

Not To Scale

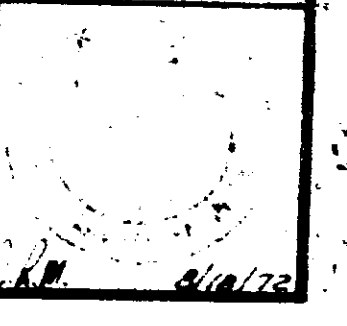


TYPICAL SECTION FOR JACKED STEEL PIPE

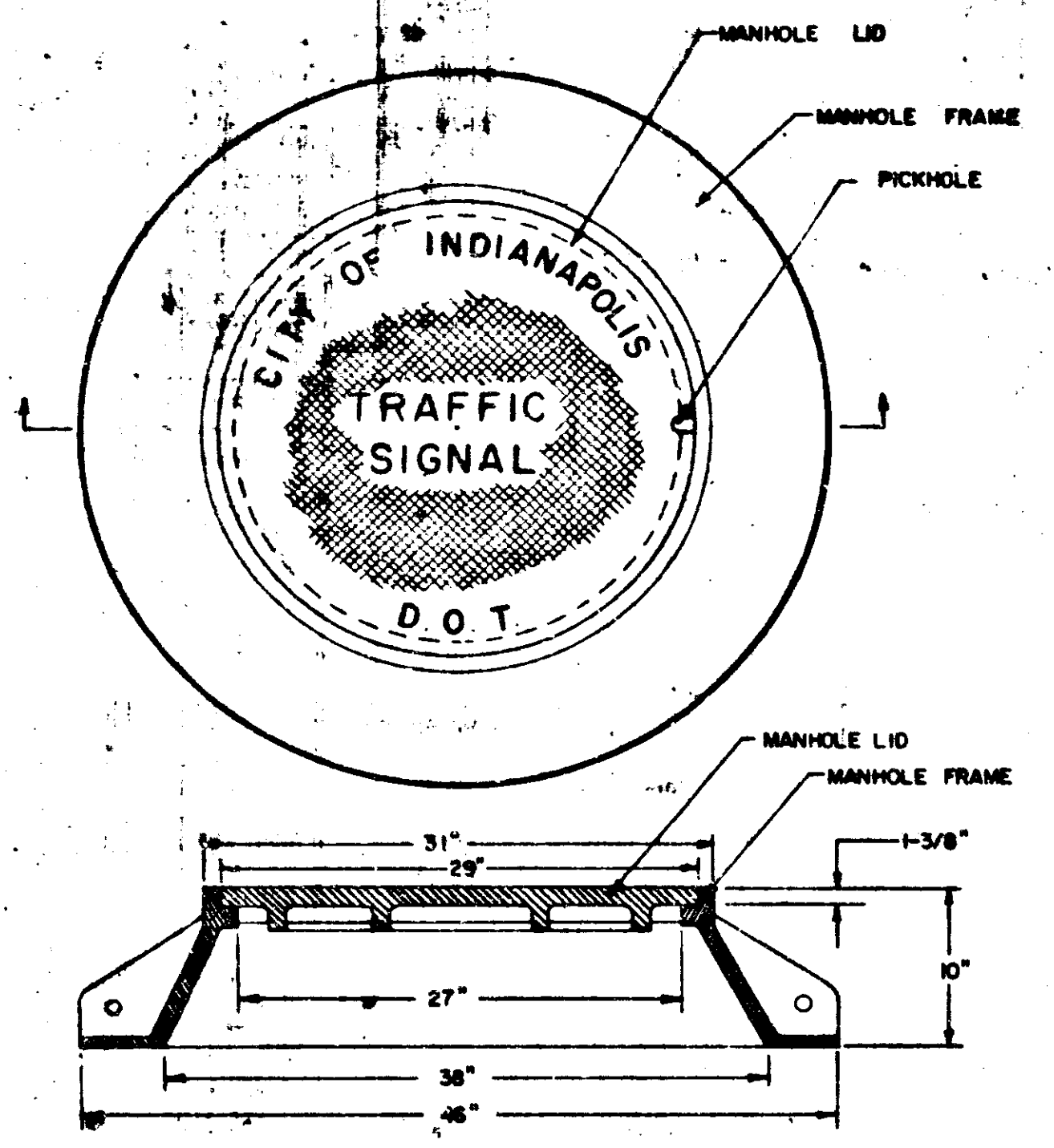
Not To Scale

TYPICAL SECTIONS & MISCELLANEOUS DETAILS

DETAILS

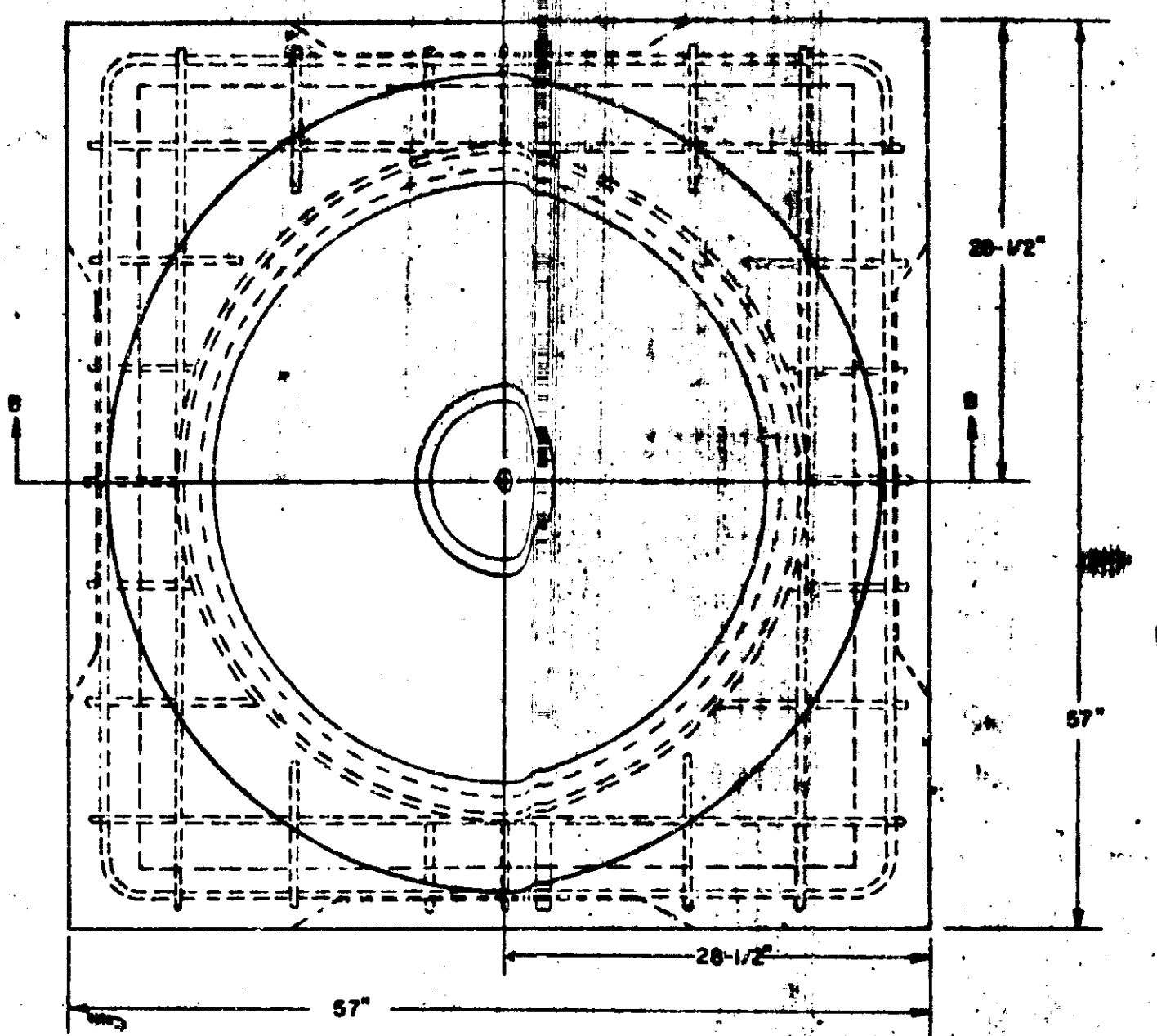


FEDERAL ROAD DISTRICT	STATE	PROJECT NO.	PROJECT SHEET NO.	TOTAL SHEETS
4	IND	I-70-3 (T5)	108B	23



MANHOLE FRAME AND LID

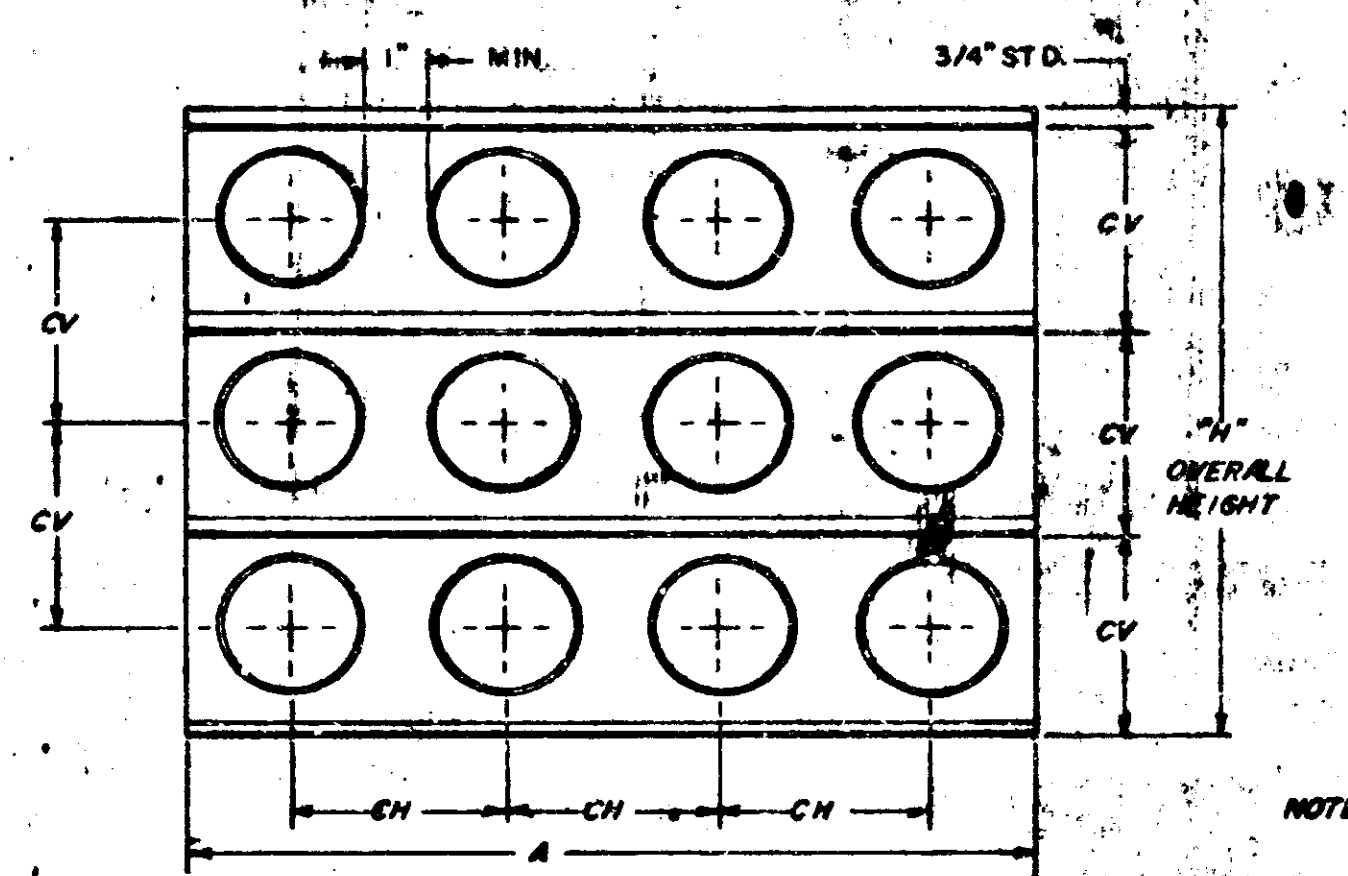
DETAIL "A"
SCALE: 1/8"=1"



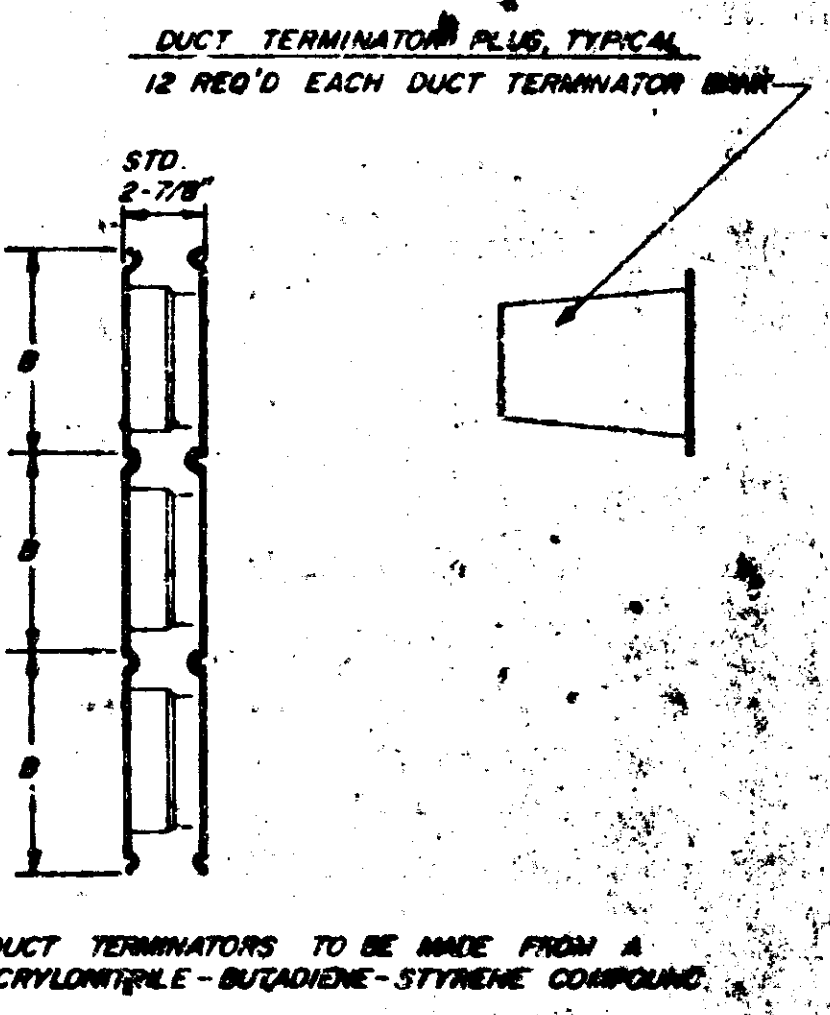
TOP VIEW
SCALE: 1/4"

DUCT DIMENSION TABLE

DUCT SIZE	A	CH	CV	B	H
3"	18-3/4"	4-9/16"	4-9/16"	5-5/8"	14-7/8"
4"	22-3/4"	5-9/16"	5-9/16"	6-5/8"	17-7/8"

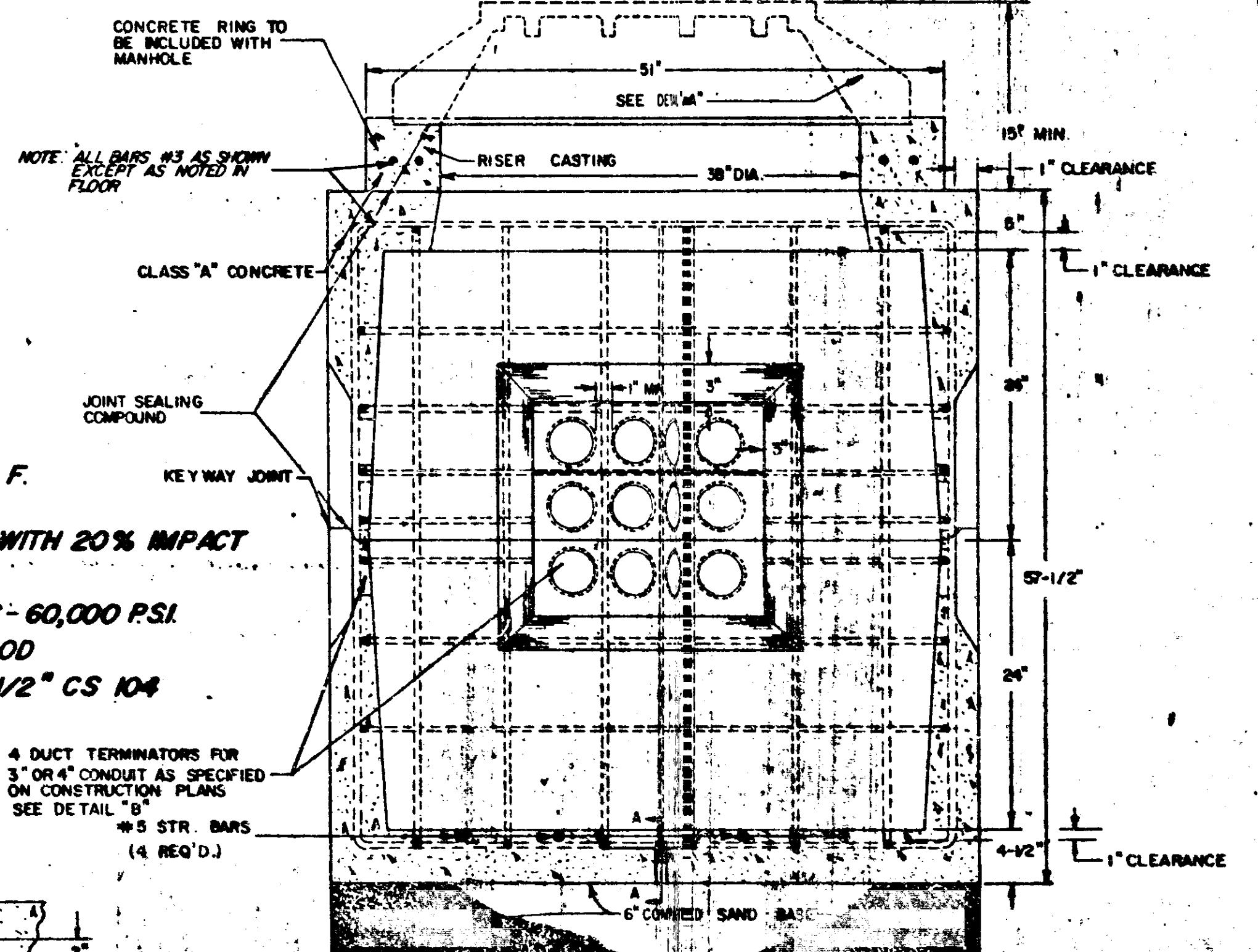


DUCT TERMINATOR BANK
DETAIL "B"
NO SCALE



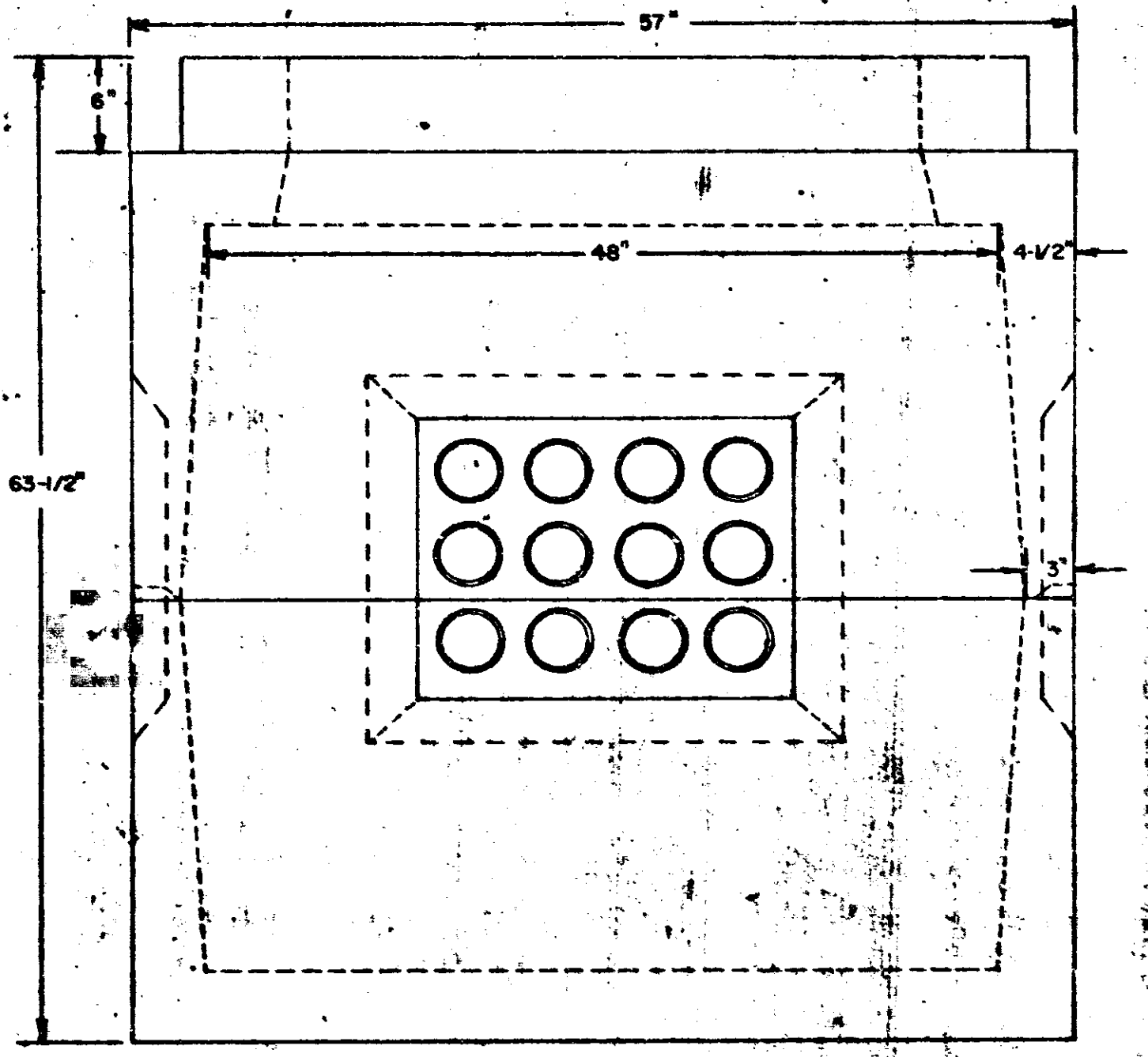
NOTE: DUCT TERMINATORS TO BE MADE FROM A
ACRYLONITRILE-BUTADIENE-STYRENE COMPOUND

DESIGN DATA:
 EARTH LOAD = 2 FT. FILL @ 130 #/C.F.
 SURCHARGE = 2 FT. @ 130 #/C.F.
 LIVE LOAD = A.A.S.H.O. H-20 TRUCK WITH 20% IMPACT
 $f'_c = 4,000$ PSI.
 $f_y = 3$ BARS - 40,000 PSI #5 BARS - 60,000 PSI
 ULTIMATE STRENGTH DESIGN METHOD
 MIDDLE JOINT SEALED WITH 1/2" x 1/2" CS 104
 WT. = 7,500 LBS.

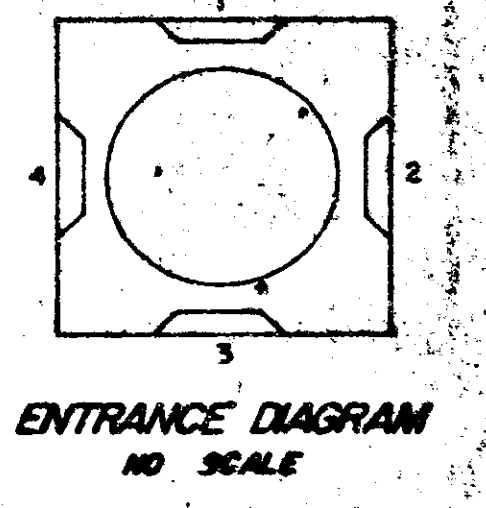


PRECAST MANHOLE

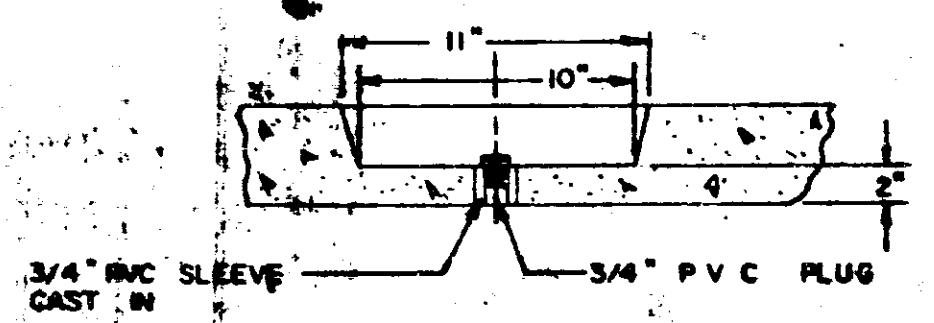
SEC B-B
SCALE: 1/4"



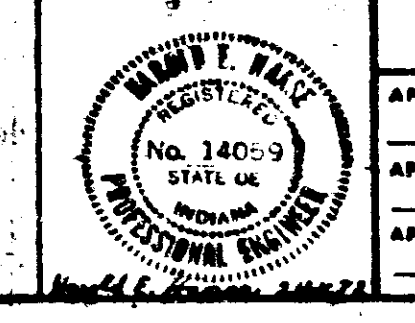
SIDE VIEW
SCALE: 1/8"=1"



ENTRANCE DIAGRAM
NO SCALE



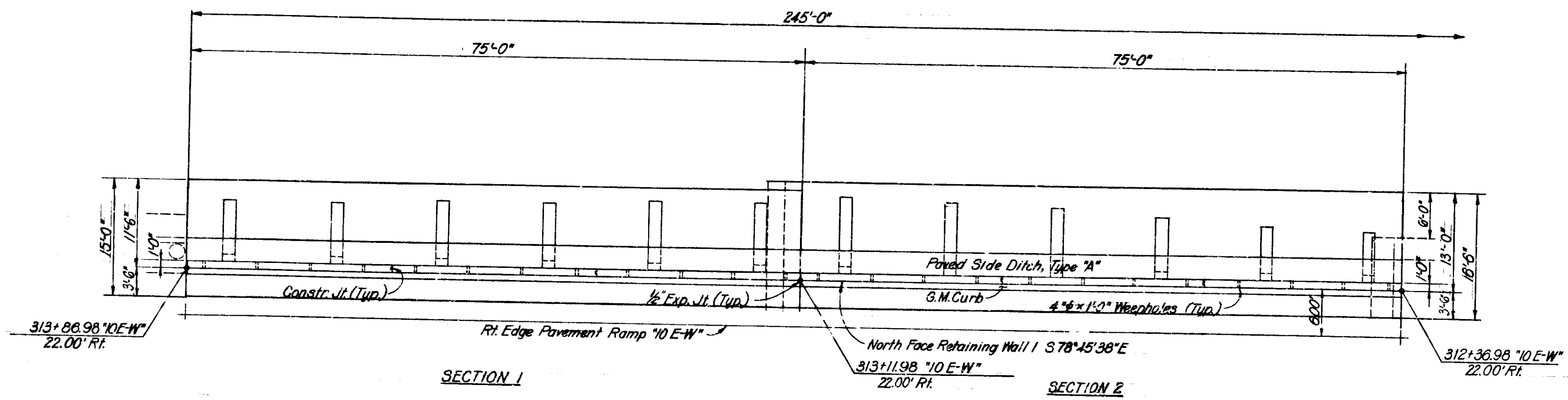
SEC A-A
WEEPHOLE
NO SCALE



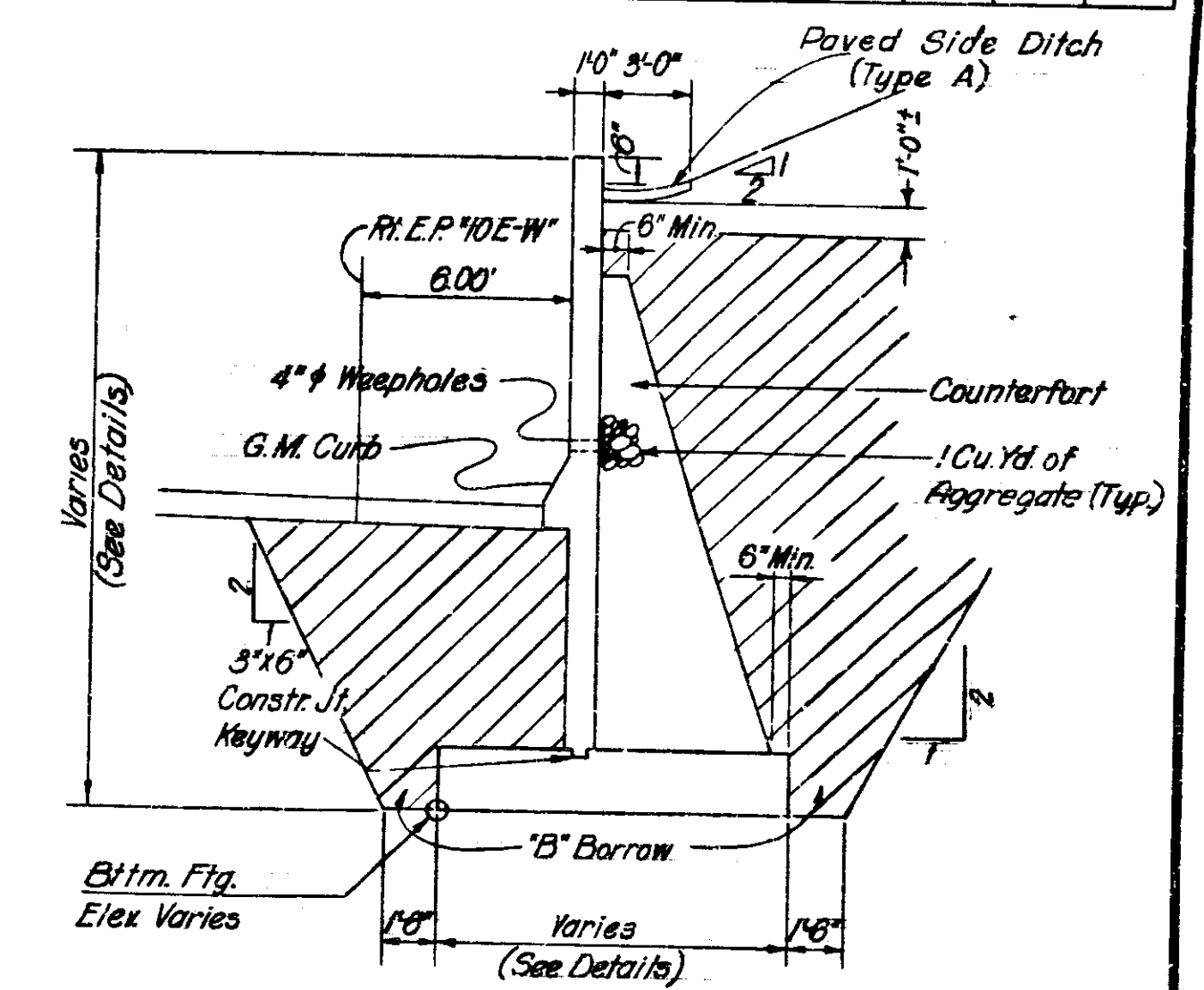
DEPARTMENT OF TRANSPORTATION
PRECAST MANHOLE IC

APPROVED _____	PROJECT NO.
APPROVED _____	DESIGNED BY
APPROVED _____	PLOTTED BY
	FIELD BOOK
	SCALE: 1" = 48 NOTED
	DATE: 10-31-72
	SHEET: 04

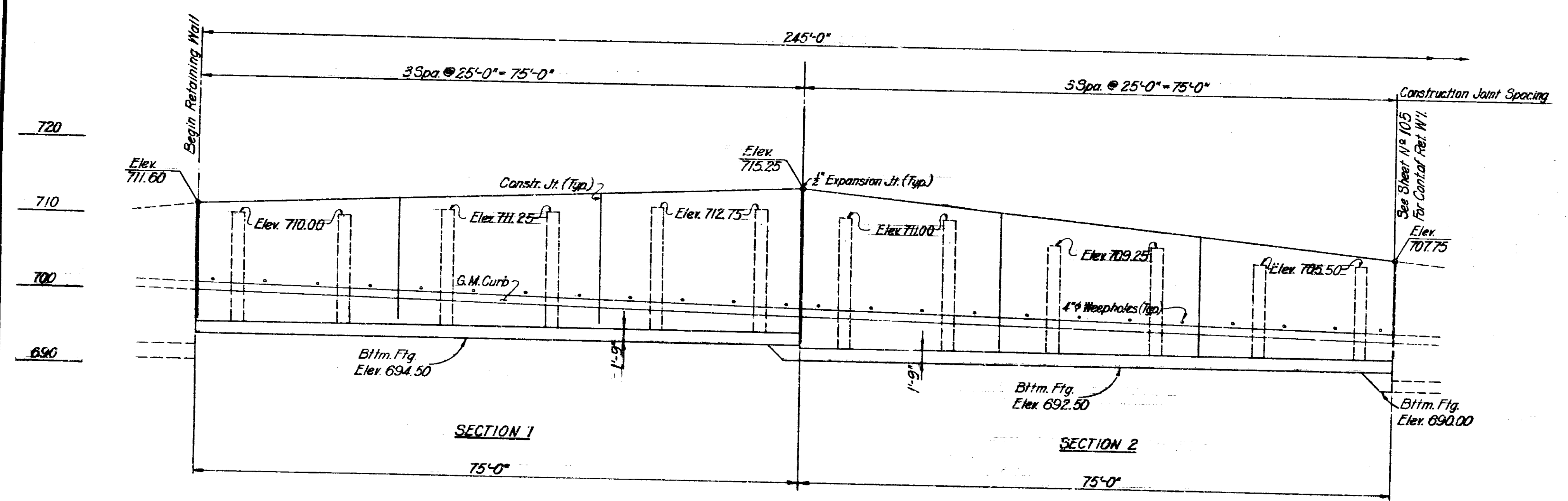
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (7) 77	197	109	



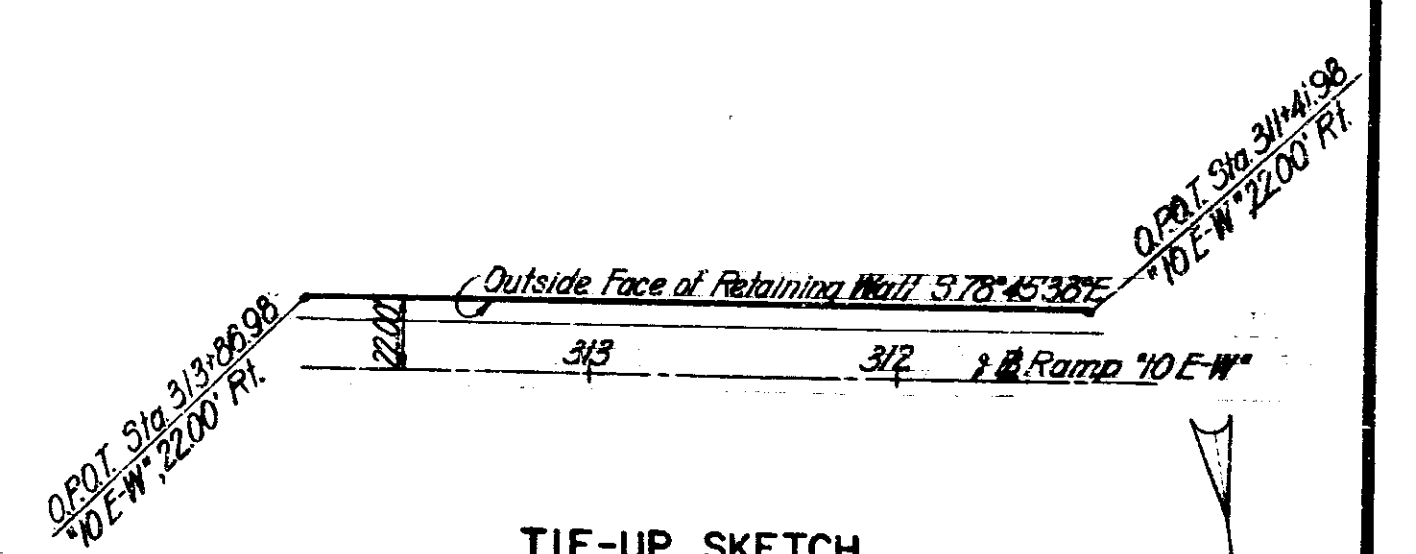
PART PLAN



TYPICAL SECTION



PART ELEVATION

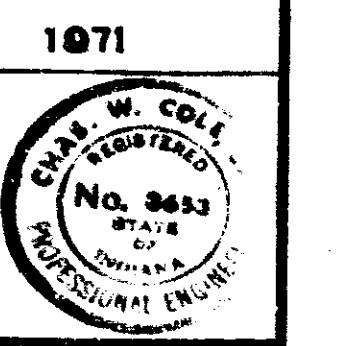


TIE-UP SKETCH

NOTE:
 See Sheet No. 105 For General Notes.
 See Sheet No. 28 For Location of Retaining Wall 1.
 See Sheet No. 42, Profile
 Course Aggregate Behind Each Weephole Shall be Indiana Size No. 1 in Accordance with Section 903.02, Indiana State Highway Commission Standard Specifications.

**RETAINING WALL I
 GENERAL ARRANGEMENT
 INDIANA STATE HIGHWAY COMMISSION**

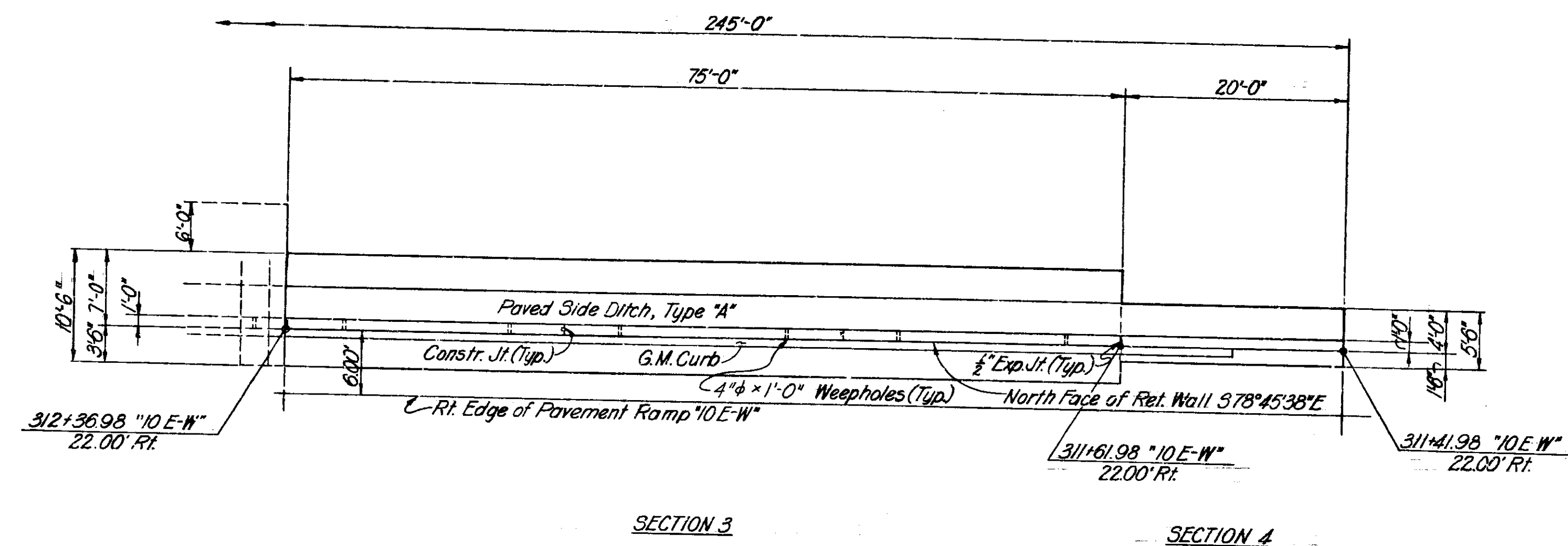
SCALE: NONE
 SUBMITTED FOR APPROVAL: *Shaw* 3-21-71
 DRAWING: OF
 PROJECT: I-70-3 (7) 77



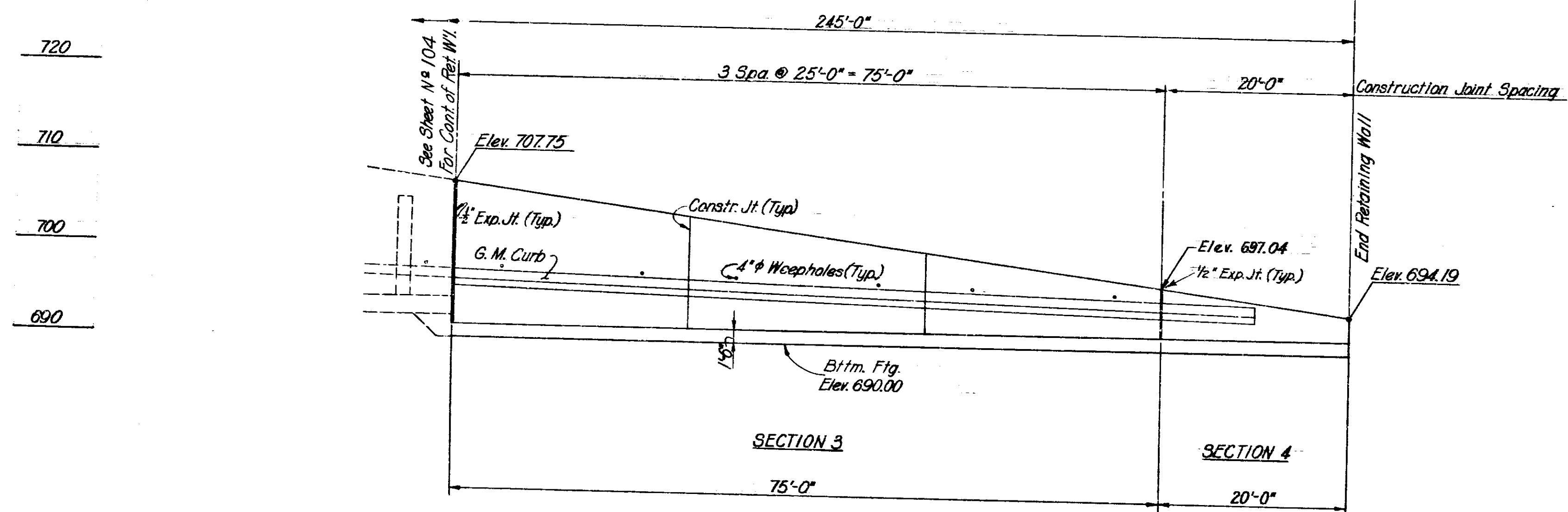
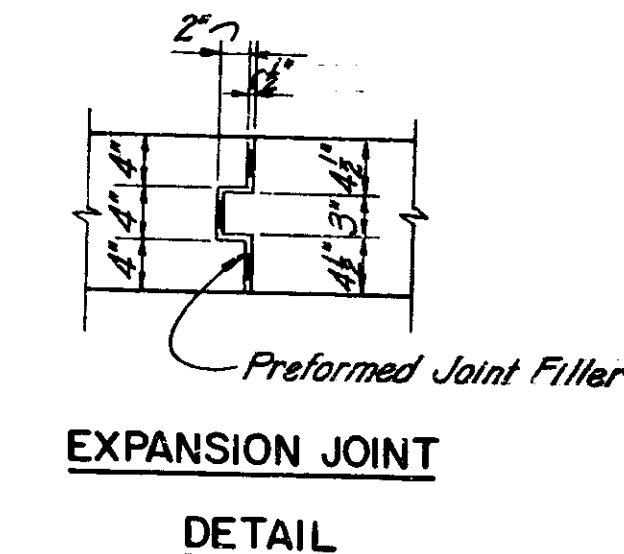
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3 (7) 77		109	237	

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	I-70-3 (71) TT	1971	110



PART PLAN

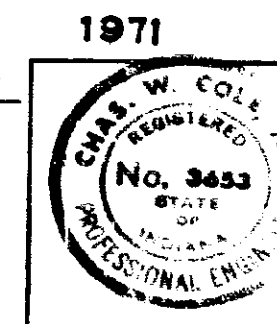


PART ELEVATION

- GENERAL NOTES**
1. Reinforcing steel coverings shall be 3" in footing except bottom steel which shall be 4". Covering shall be 2" in all other parts unless otherwise noted.
 2. Concrete in footings, walls, and counterforts to be Class 'A'.
 3. Chamfer exposed edges 1" unless otherwise noted.
 4. Weephole to be placed at 10'-0" % maximum and two (2) each are required between each counterfort.
 5. Drains are to be 4" plus or minus in diameter. See Bridge Standard Cf. Cost of drain material to be included in cost of concrete.

**RETAINING WALL I
GENERAL ARRANGEMENT
INDIANA STATE HIGHWAY COMMISSION**

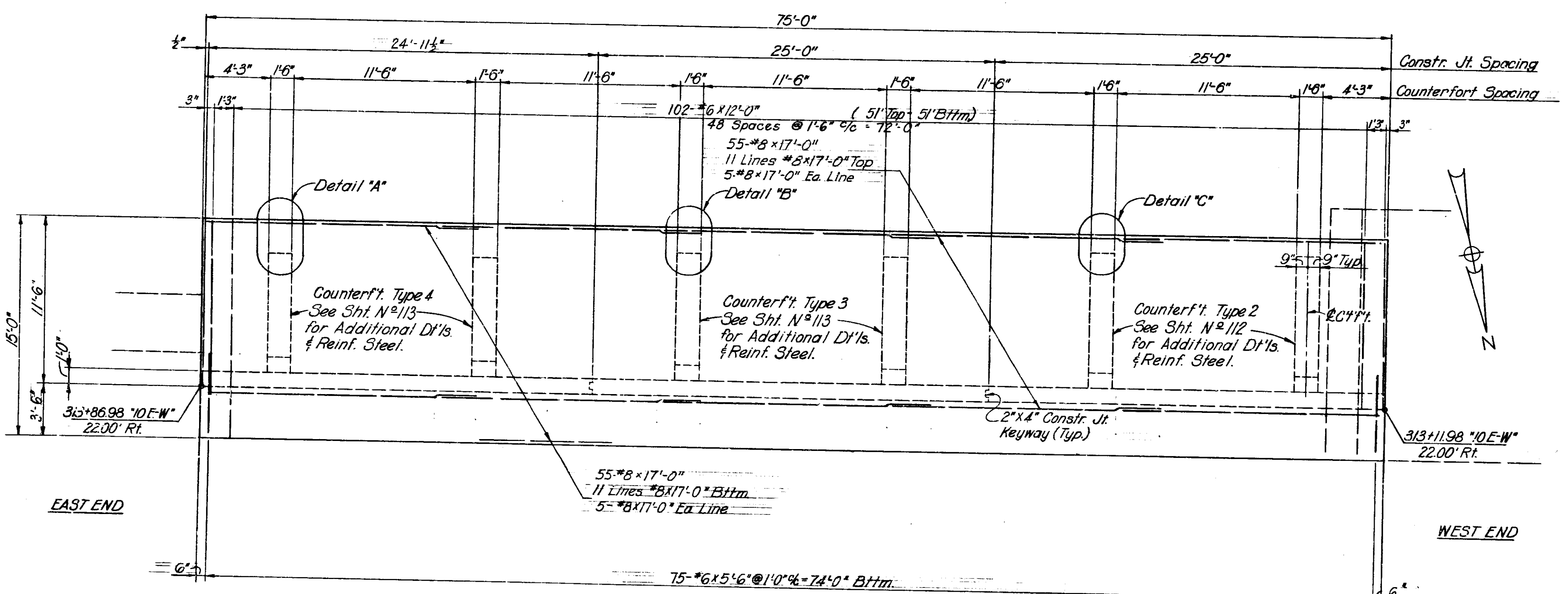
SCALE: NONE
 SUBMITTED FOR APPROVAL: *Charles G. Kelly* 3-29-71
 DRAWING: OF
 PROJECT: I-70-3 (71) TT



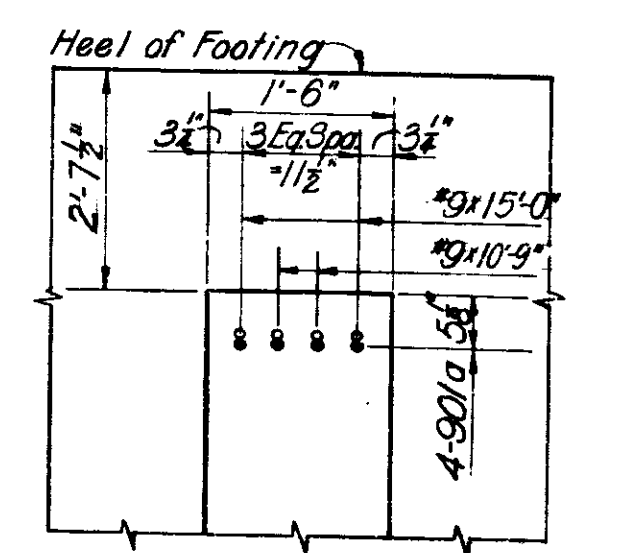
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
I-70-3 (71) TT		110	237

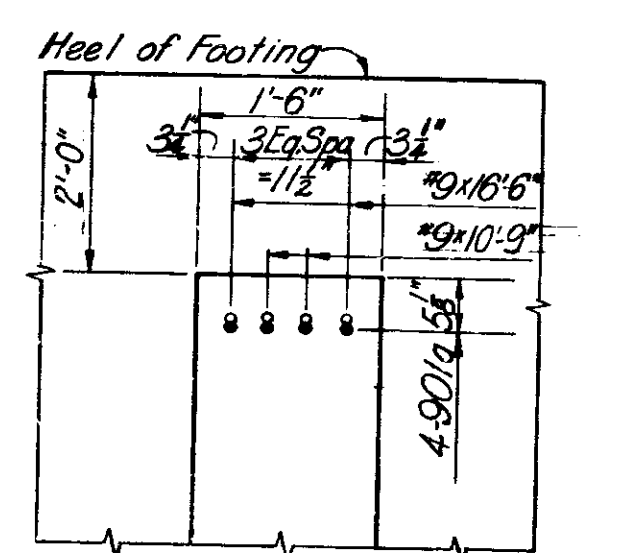
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3 (871)	197	111	



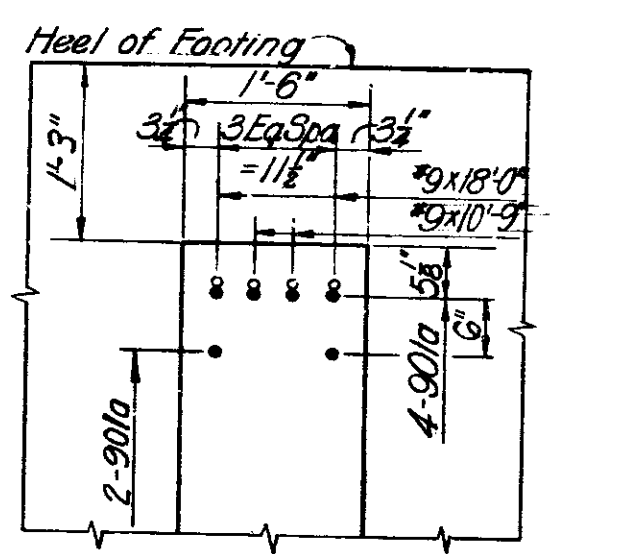
FOOTING PLAN



DETAIL "A"



DETAIL "B"

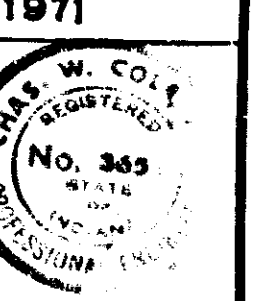


DETAIL "C"

Note:
 See Sht. N^o-104 for Gen. Arrangemt. of Retaining Wall I.
 See Sht. N^o-28 for Gen. Plan Project I-70-3(77) 77
 See Sht. N^o-112 & 113 for Counterfort Details
 See Sht. N^o-115 for Bar Diagrams.
 See Sht. N^o-116 for Bill of Material.
 See Sht. N^o-107 for Elevation of Section I, Retaining Wall I.

RETAINING WALL I SECTION I DETAILS
 INDIANA STATE HIGHWAY COMMISSION

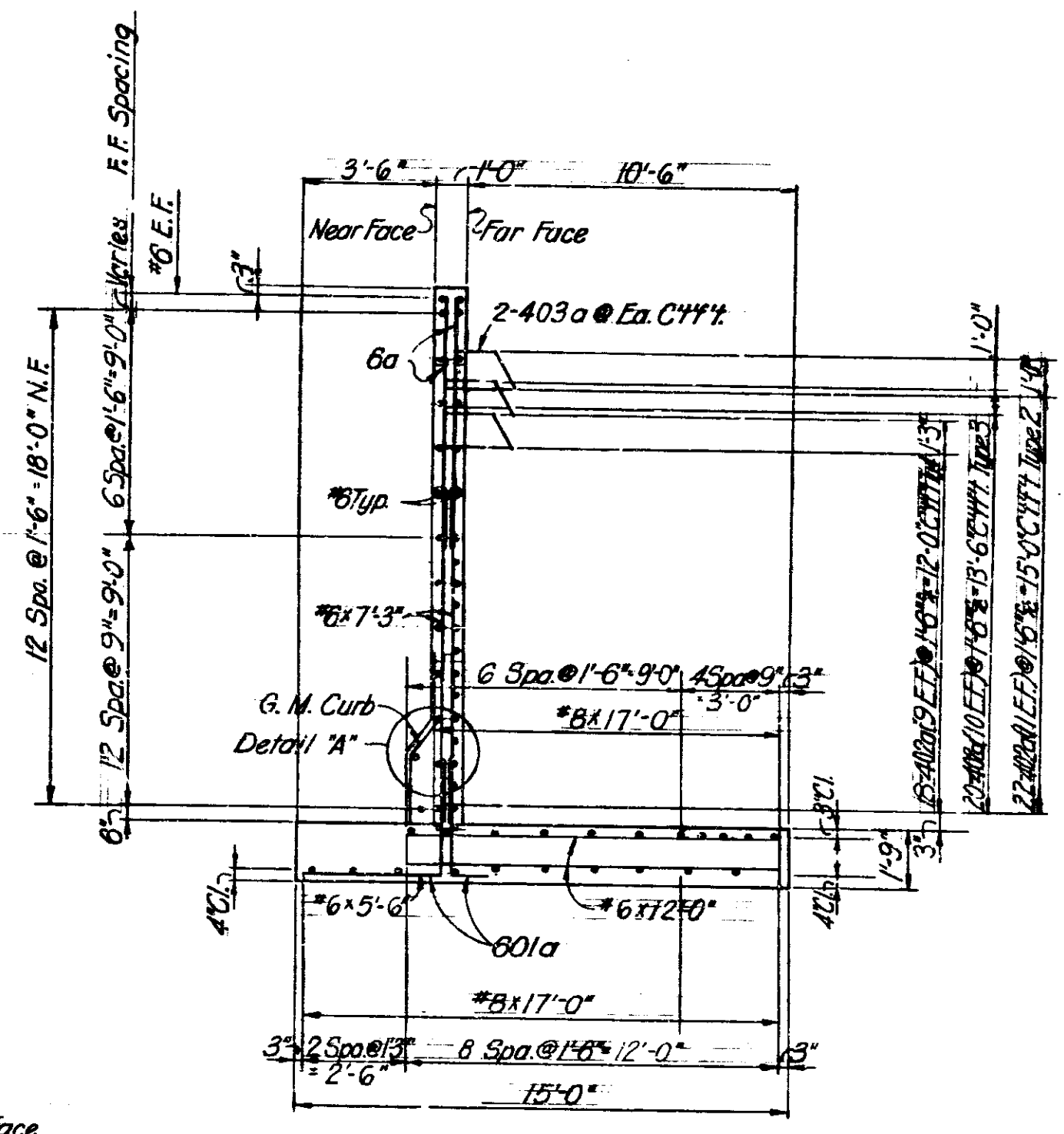
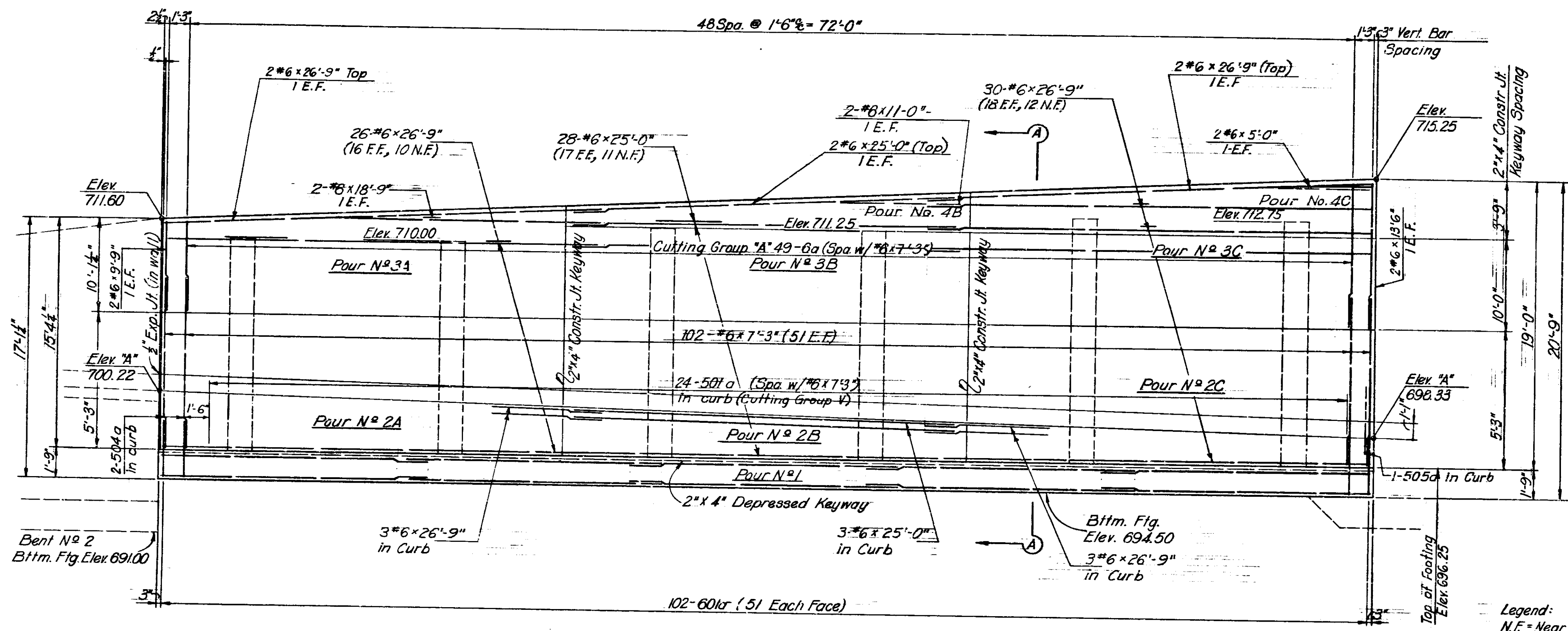
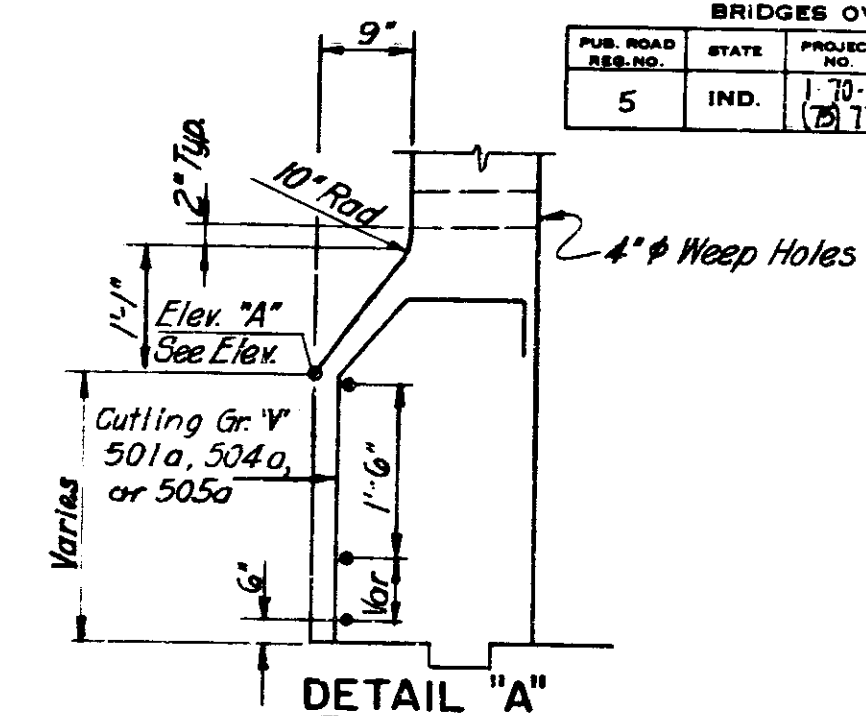
SCALE: NONE
 SUBMITTED FOR APPROVAL: *Charles G. Kelly* 3-27-71



DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
I-70-3 (871)		111	237	

BRIDGES OVER 20' SPAN				
PUR. ROAD	STATE	PROJECT	FISCAL	TOTAL
NO.	NO.	NO.	YEAR	SHEETS
5	IND.	10-3	197	112
				112



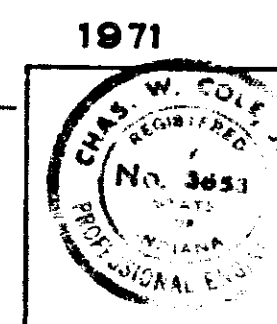
Legend:
 N.F. = Near Face
 F.F. = Far Face
 E.F. = Each Face

Maximum Soil Pressure Equals 2.5 Tons/Sq. Ft.

Note:
 See Sheet N^o 106 for Plan of Section I, Retaining Wall I.

RETAINING WALL I SECTION I DETAILS
INDIANA STATE HIGHWAY COMMISSION

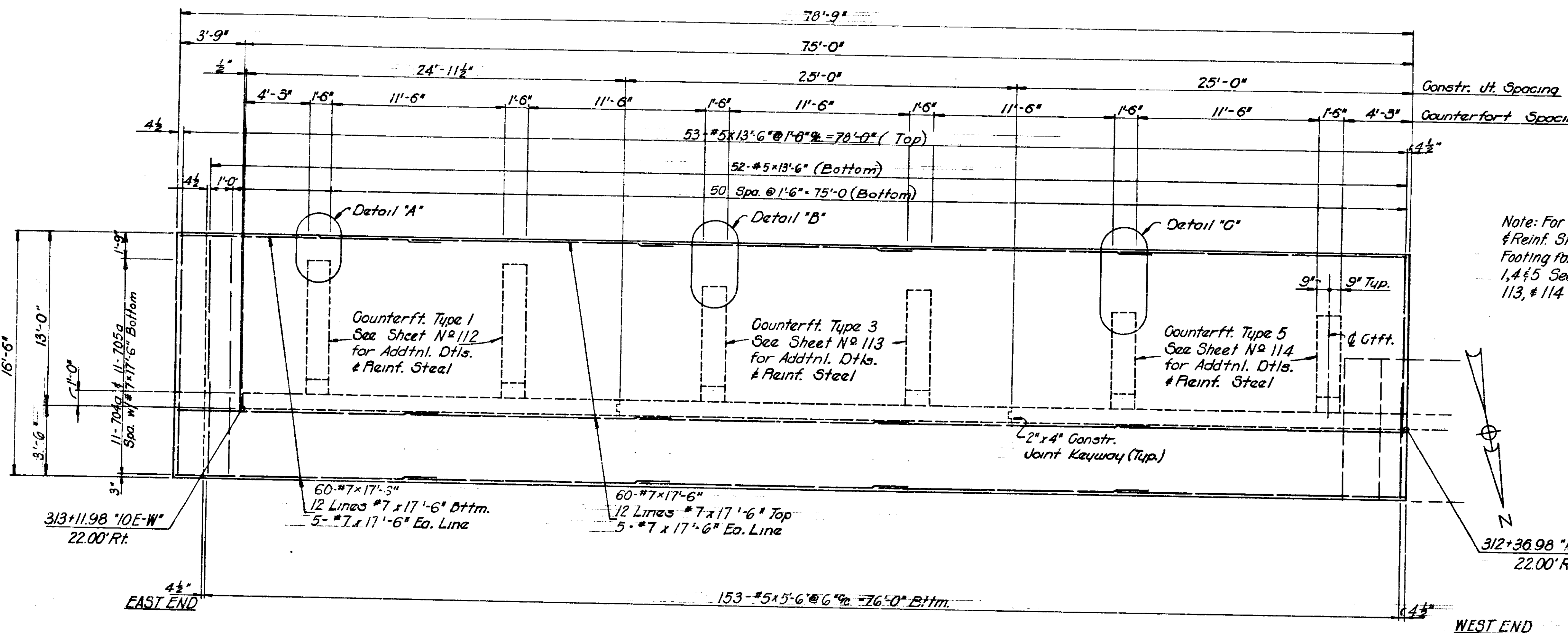
SCALE: NONE
 SUBMITTED FOR APPROVAL: *Chapman* 3-24-71



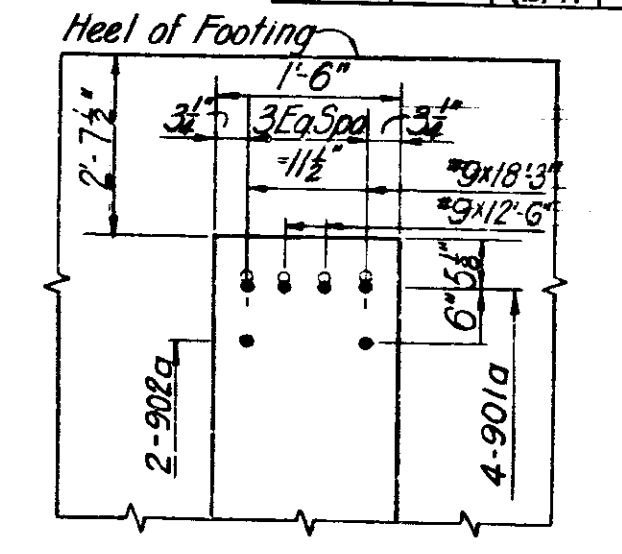
DESIGNED: CKD
 DRAWN: CKD
 TRACED: CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-10-3 (10) 17		112	237	

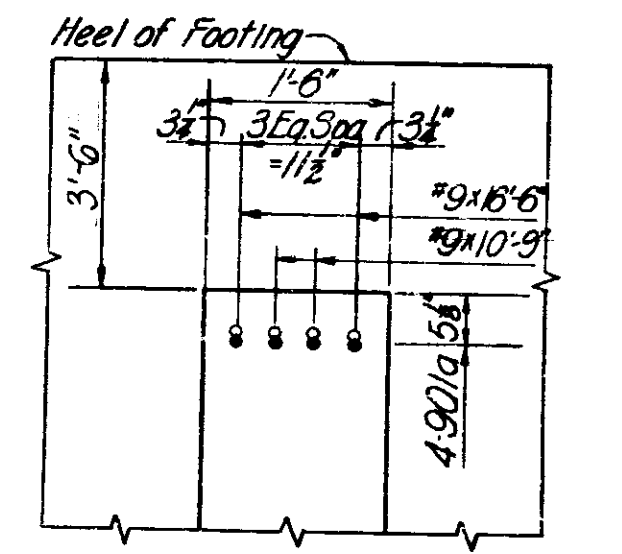
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3	197	113	



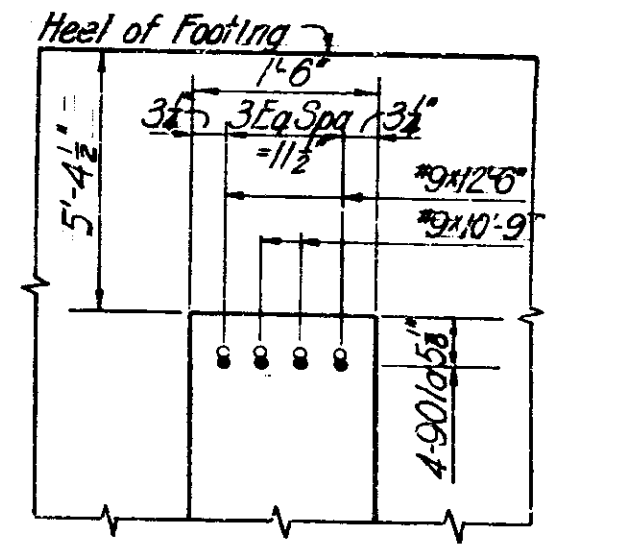
Note: For Additional Details & Reinf. Steel Extending from Footing for Counterfort Types 1, 4 & 5 See Sheet Nos 112, 113, & 114 Respectively.



DETAIL "A"



DETAIL "B"

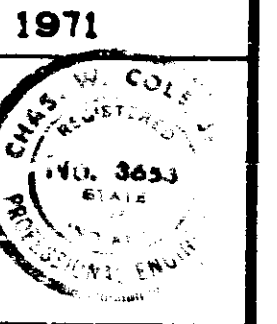


DETAIL "C"

Note:
 See Sht. N^o-104 for Gen. Arrangement of Retaing. W'l. #1
 See Sht. N^o-28 for Gen. Plan Project I-70-3(71) 77
 See Sht. N^o-112, 113, & 114 for Counterfort Details
 See Sht. N^o-115 for Bar Diagrams
 See Sht. N^o-116 for Bill of Material
 See Sht. N^o-109 for Elevation of Section 2, Ret. W'l. #1

**RETAINING WALL I SECTION 2 DETAILS
 INDIANA STATE HIGHWAY COMMISSION**

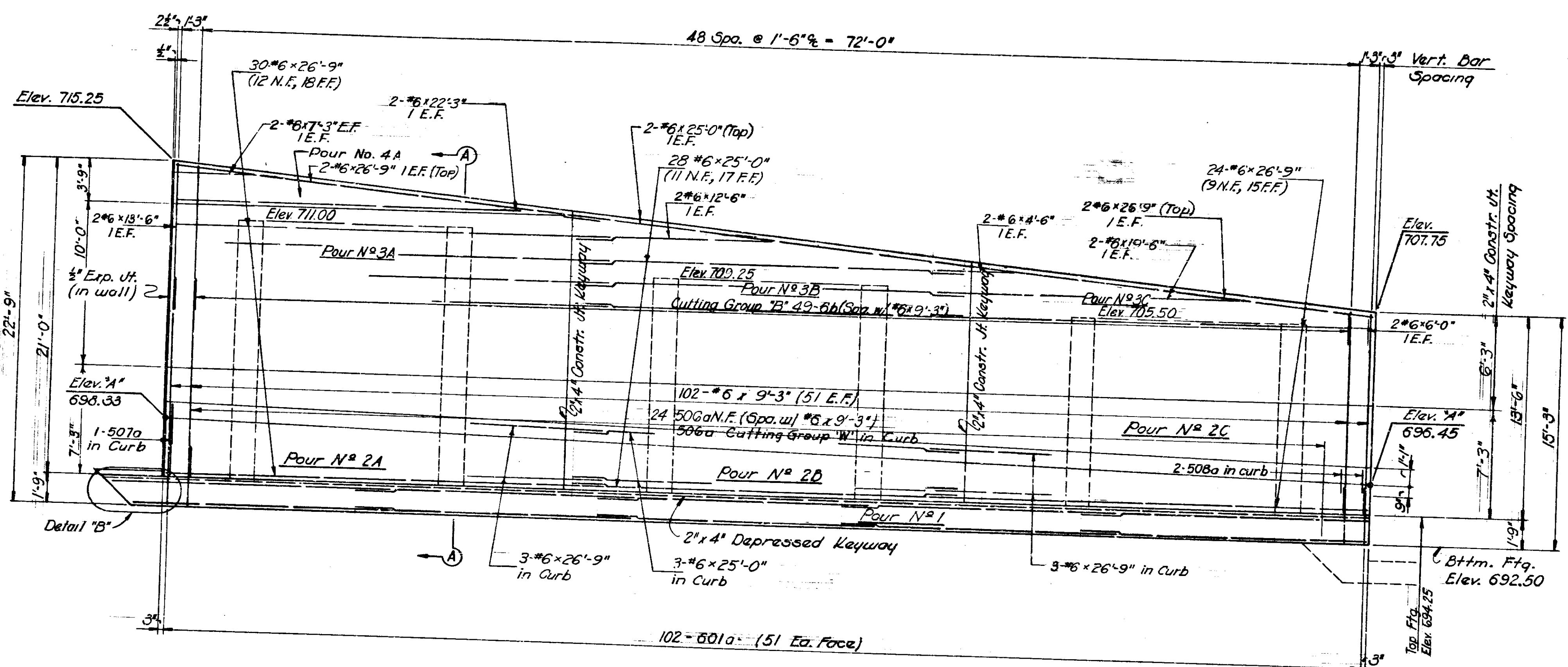
SCALE:- NONE
 SUBMITTED FOR APPROVAL: *[Signature]* 3-21-71



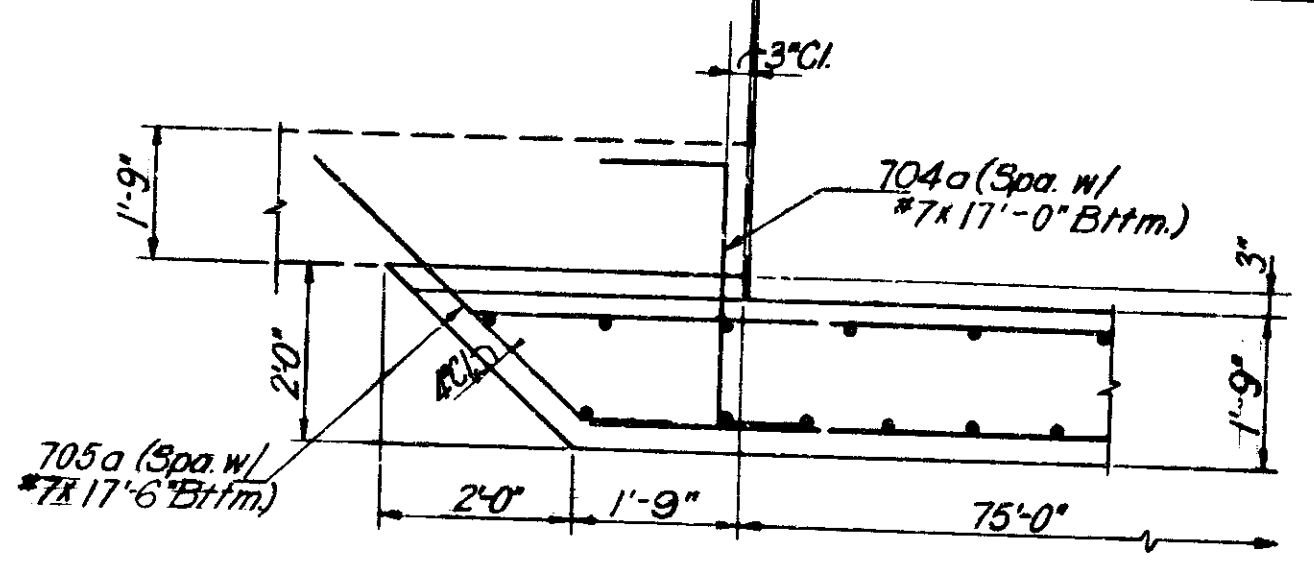
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
I-70-3(71) 77		77	237

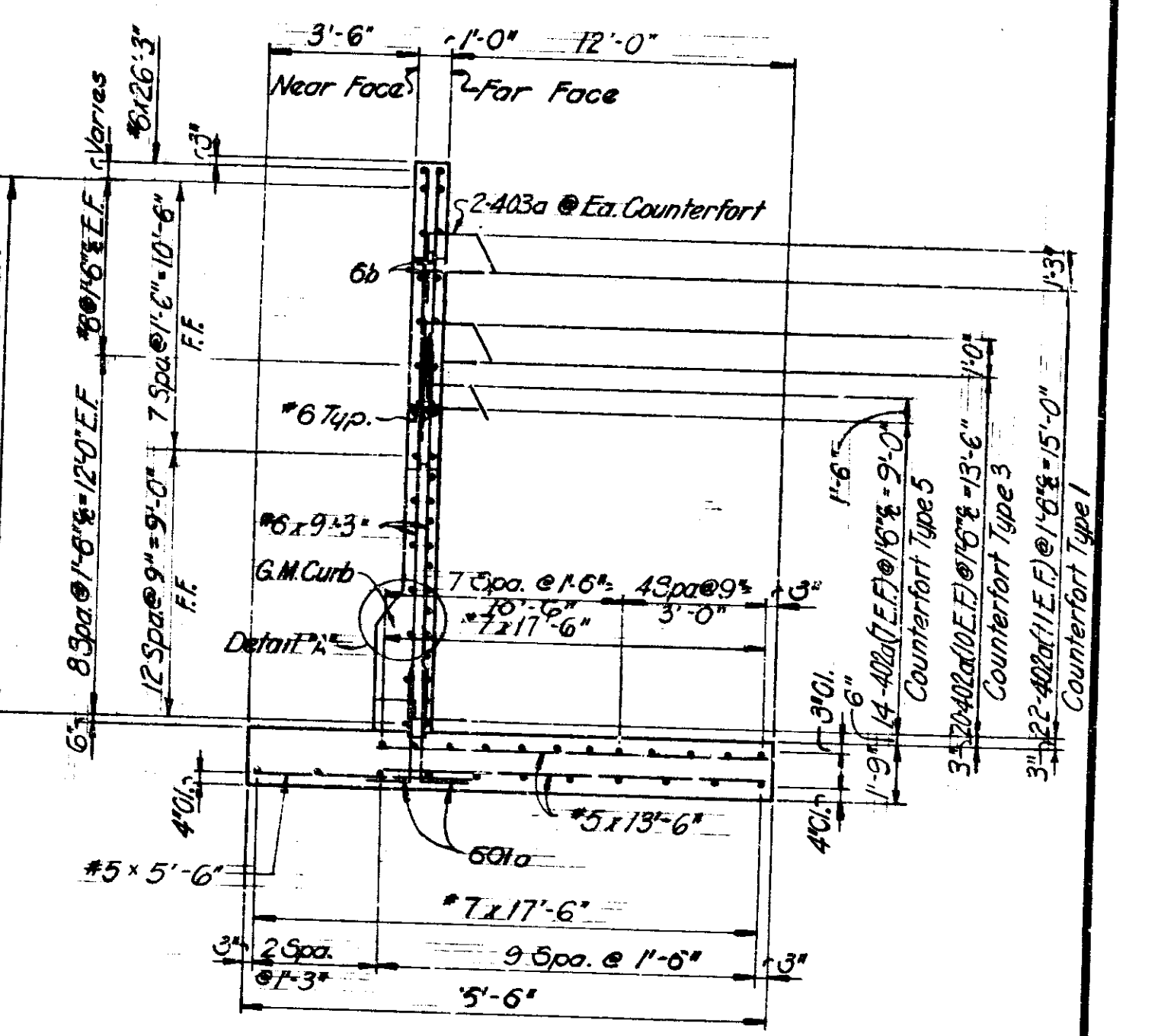
BRIDGES OVER 20' SPAN				
PUR. ROAD	STATE	PROJECT	FISCAL	TOTAL
NO.		NO.	YEAR	SHEETS
5	IND.	170-3 (B) 11	197	114



ELEVATION



DETAIL "B"



SECTION A-A

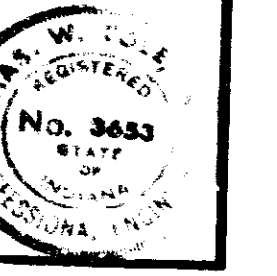
Maximum Soil Pressure Equals 2.5 Tons/Sq.Ft.

Note:
See Sheet No. 108 for Plan of Section 2, Retaining Wall 1.

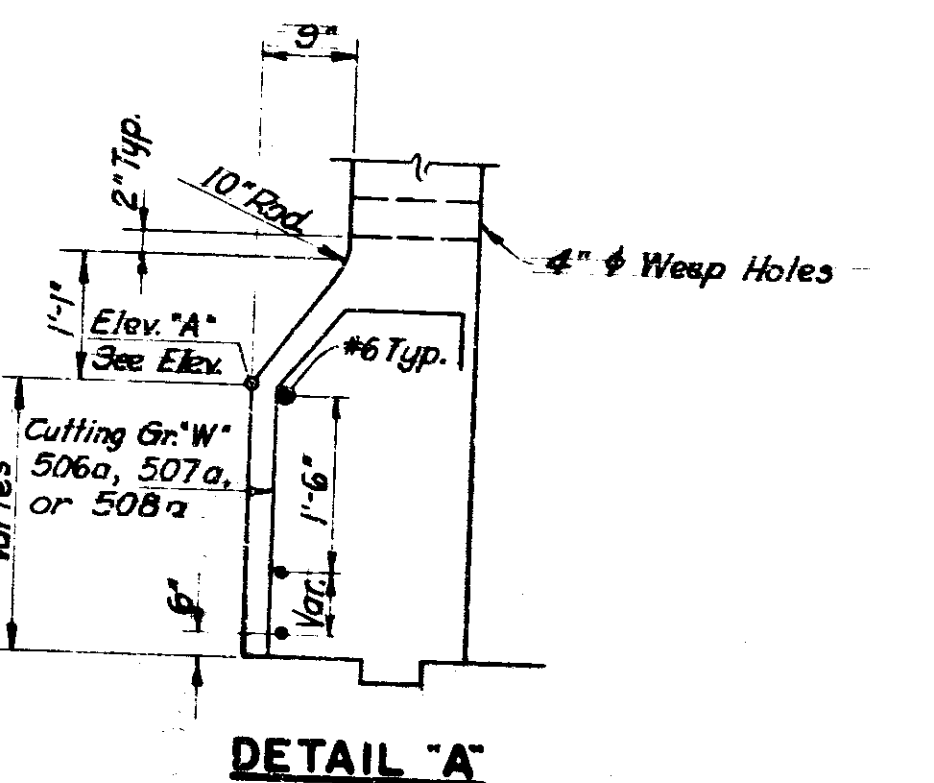
RETAINING WALL I SECTION 2 DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE
SUBMITTED FOR APPROVAL: *[Signature]* 3-20-71

1971



DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

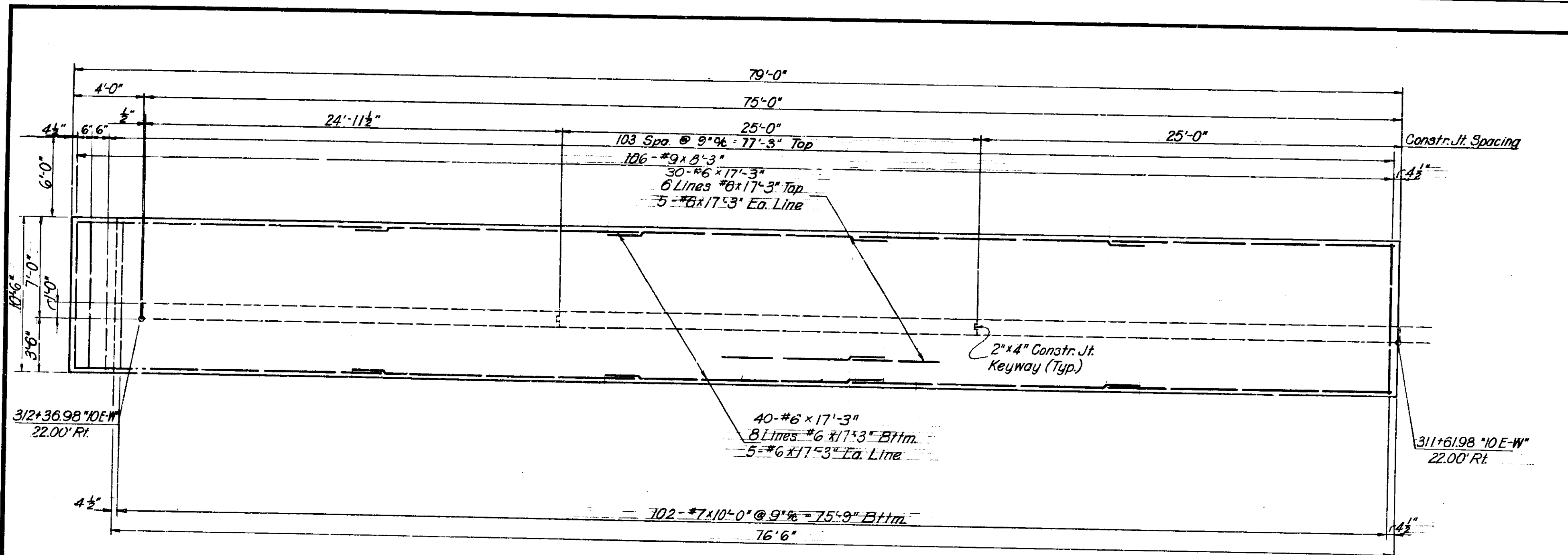


DETAIL "A"

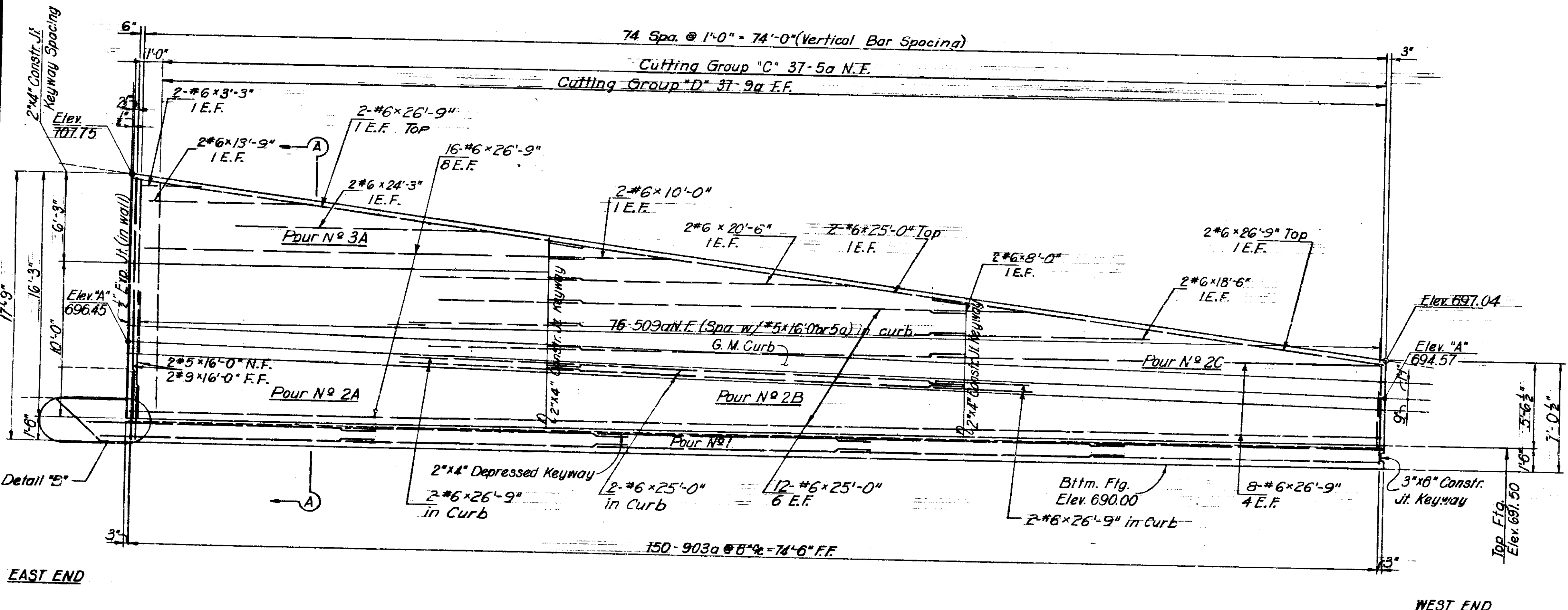
Legend:
N.F. = Near Face
F.F. = Far Face
E.F. = Each Face

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
170-3(B) 11		114	237	

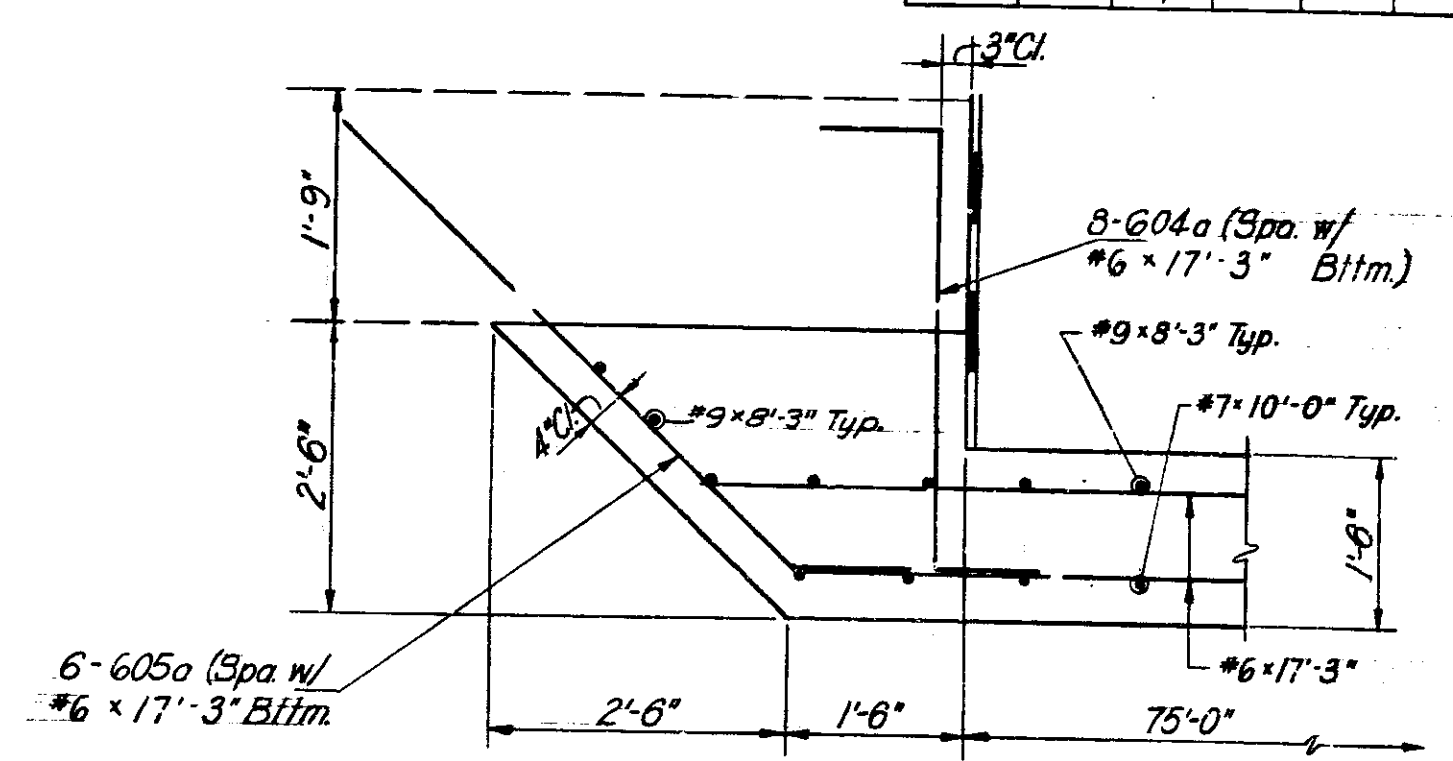
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
5	IND.	I-70-3 (7/11)	197	115



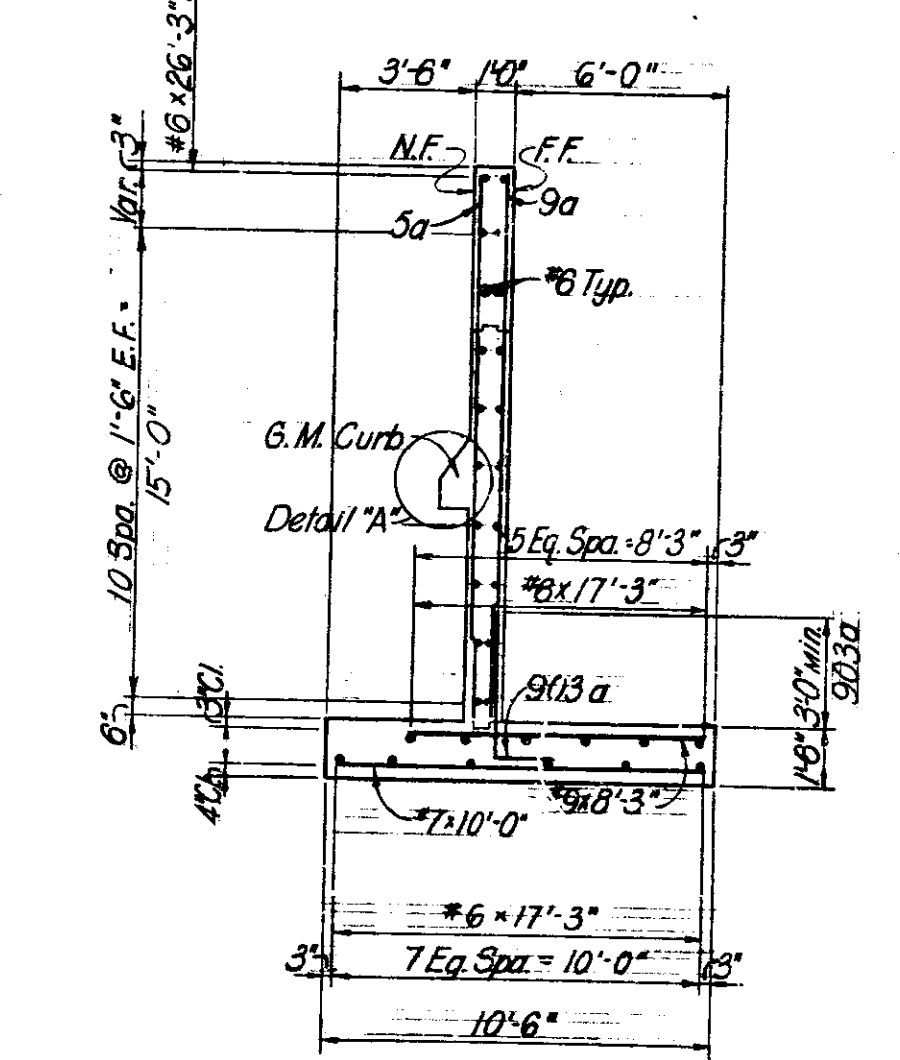
FOOTING PLAN



ELEVATION



DETAIL "B"



SECTION A-A

Legend:
 N.F. = Near Face
 E.F. = Far Face
 E.E. = Each Face

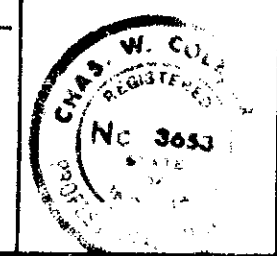
Maximum Soil Pressure Equals
 2.5 Tons/Sq. Ft.

Notes:
 See Sheet N° 105 for Gen. Arrangement of Retaining Wall #1
 See Sheet N° 23 for Gen. Plan Project I-70-3(71) 77
 See Sheet N° 115 for Bar Diagrams
 See Sheet N° 116 for Bill of Material
 See Sheet N° 111 for Detail "A"

RETAINING WALL I SECTION 3 DETAILS
 INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE
 SUBMITTED FOR APPROVAL: *[Signature]* 3-25-71

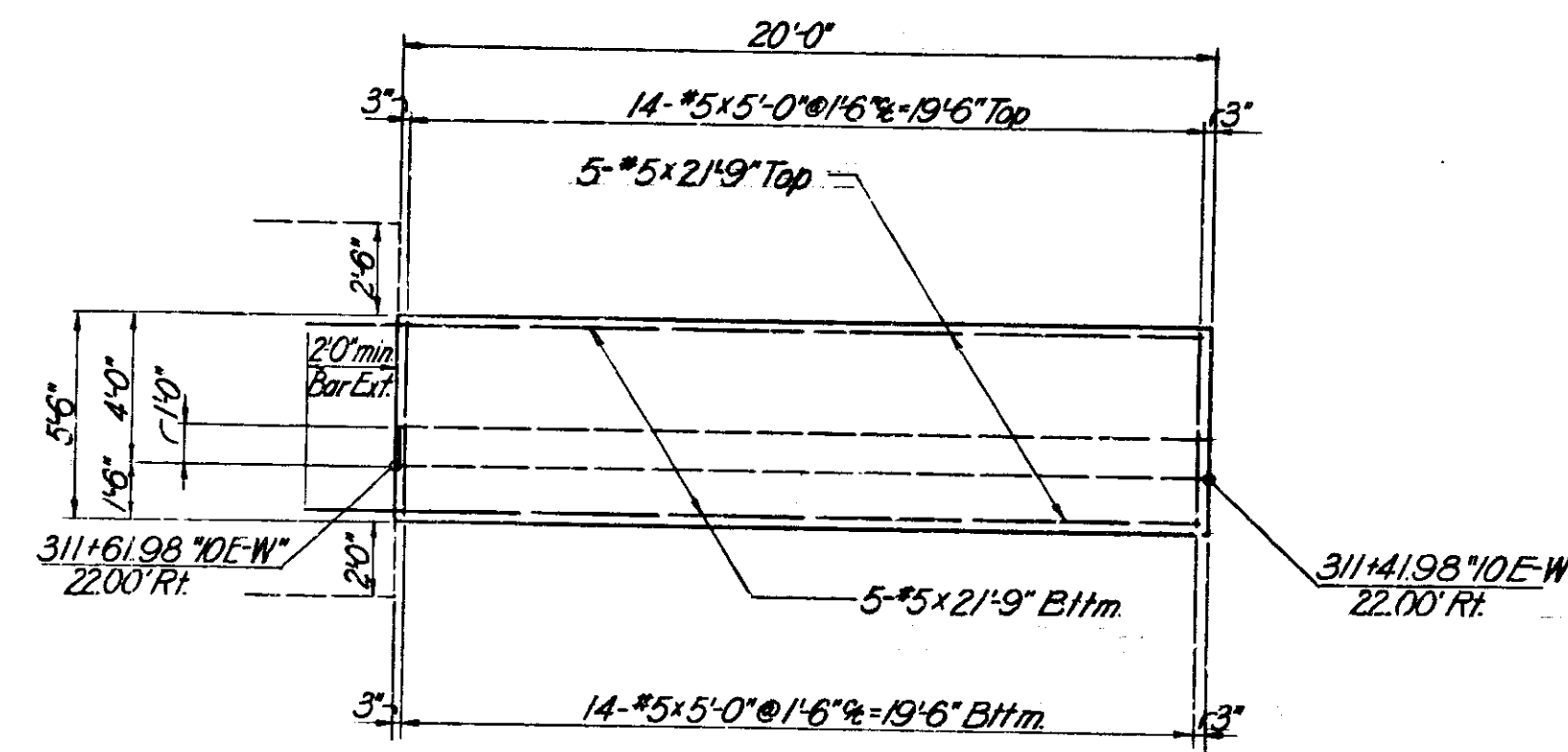
1971



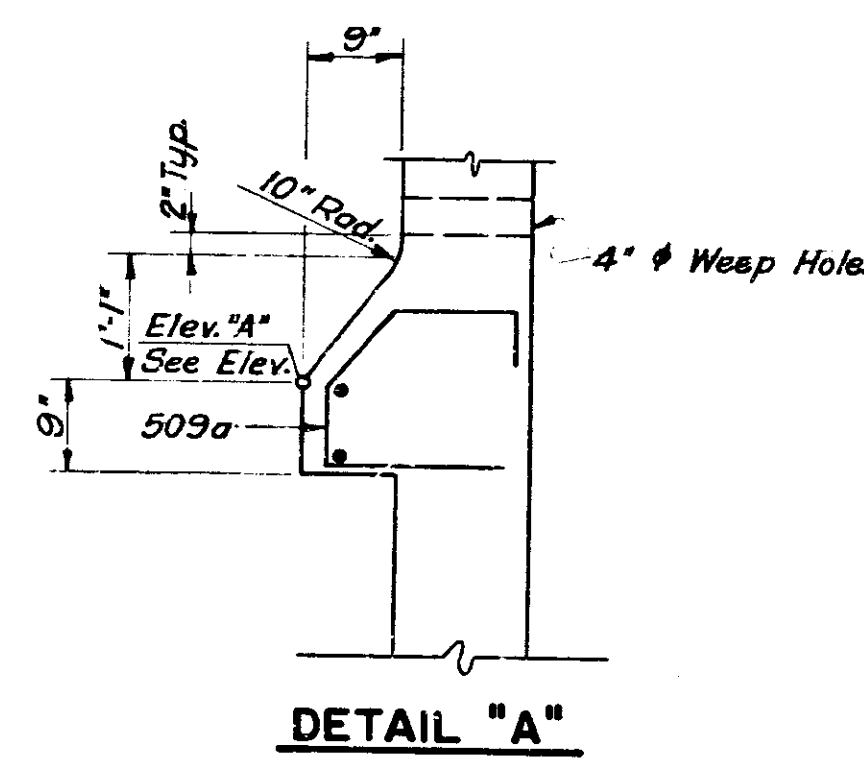
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
I-70-3(71)	77	115	237

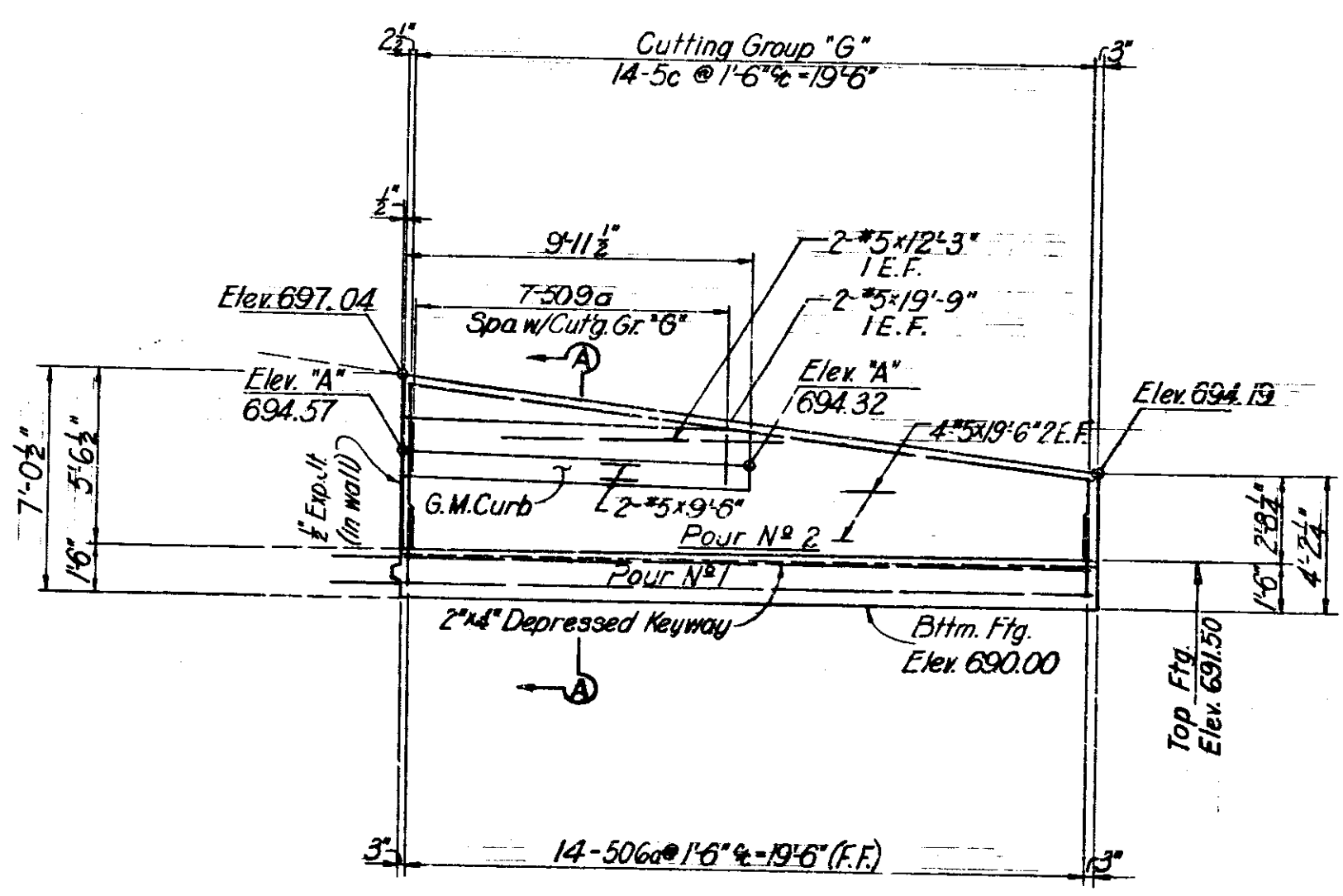
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(71)	1971	116	



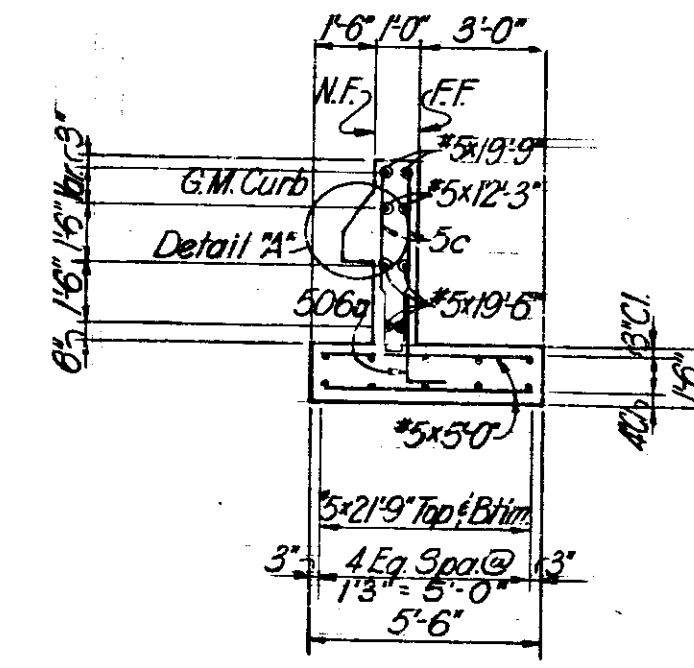
FOOTING PLAN



DETAIL "A"



ELEVATION



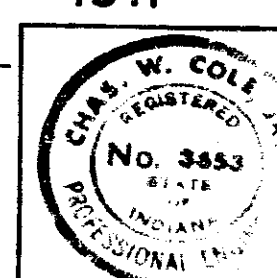
SECTION A-A

Legend:
 N.F. = Near Face
 E.F. = Each Face
 F.F. = Far Face

Notes:
 See Sheet N° 105 for Gen. Arrangement of Retaining Wall #1.
 See Sheet N° 28 for Gen. Plan Project I-70-3(71)77.
 See Sheet N° 115 for Bar Diagrams.
 See Sheet N° 116 for Bill of Material.

RETAINING WALL I SECTION 4 DETAILS
 INDIANA STATE HIGHWAY COMMISSION

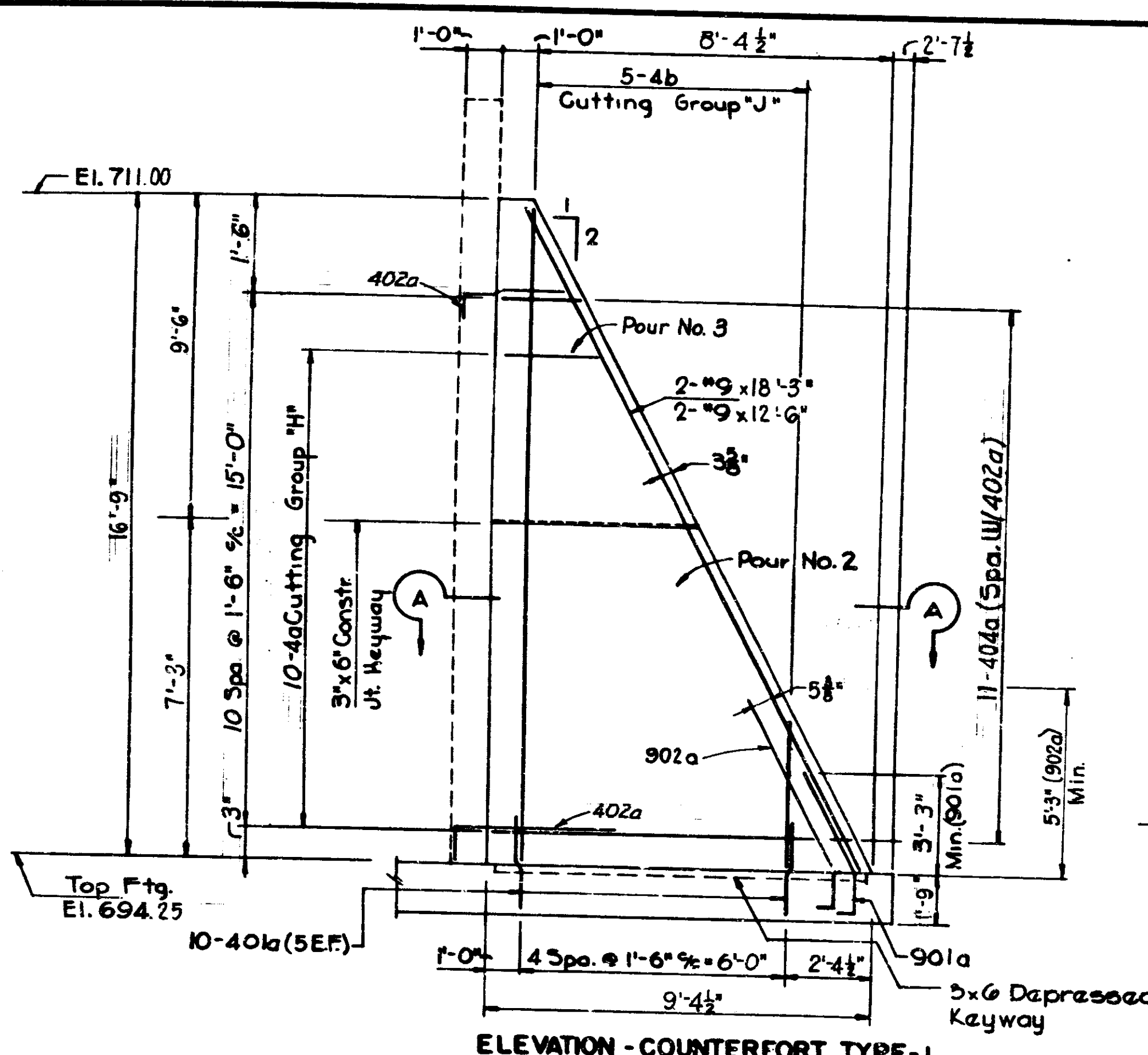
SCALE: NONE
 SUBMITTED FOR APPROVAL: *[Signature]* 5-22-71



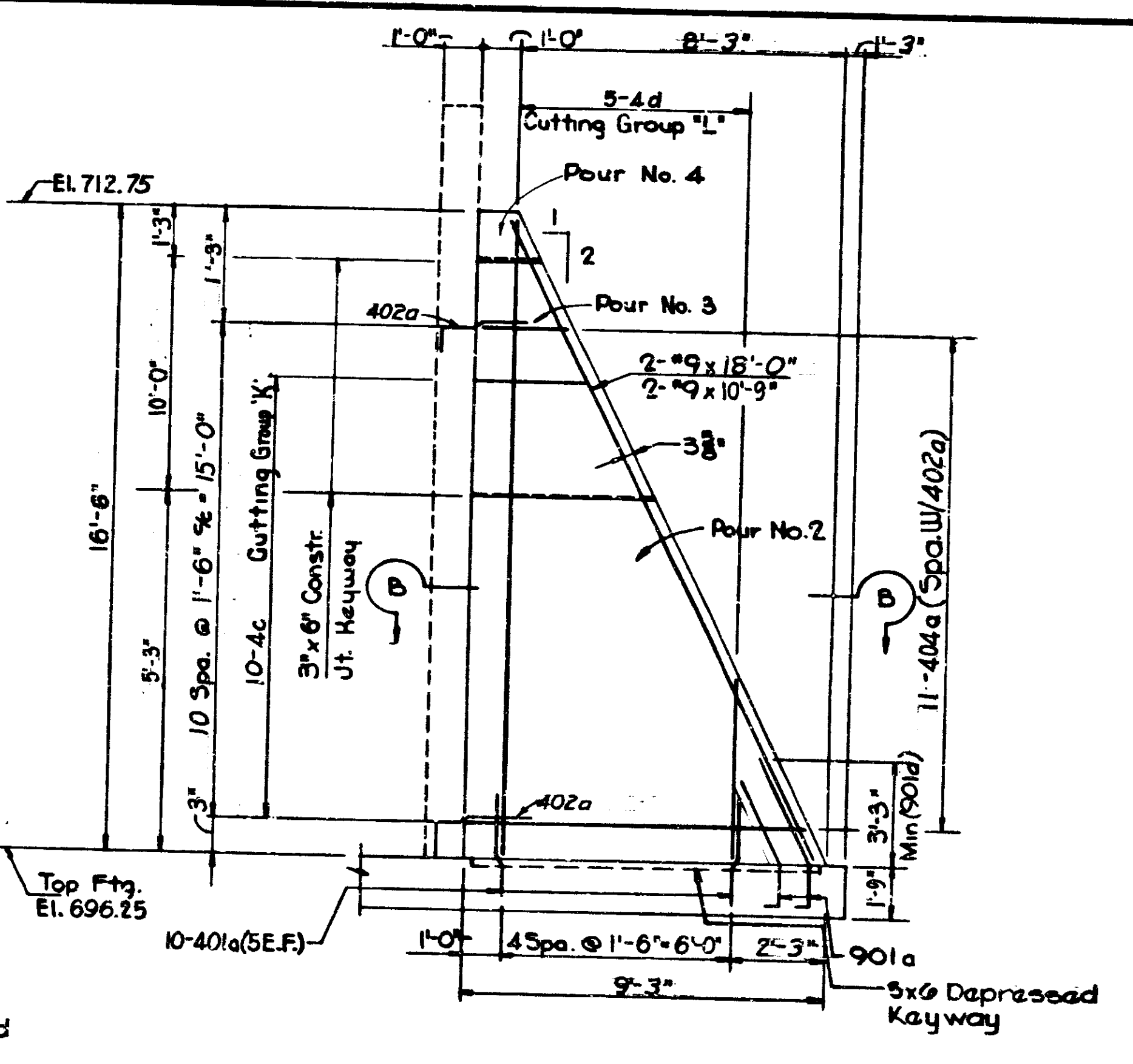
DESIGNED	CK'D
DRAWN	CK'D
TRACED	CK'D

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
I-70-3(71)77		116	237	

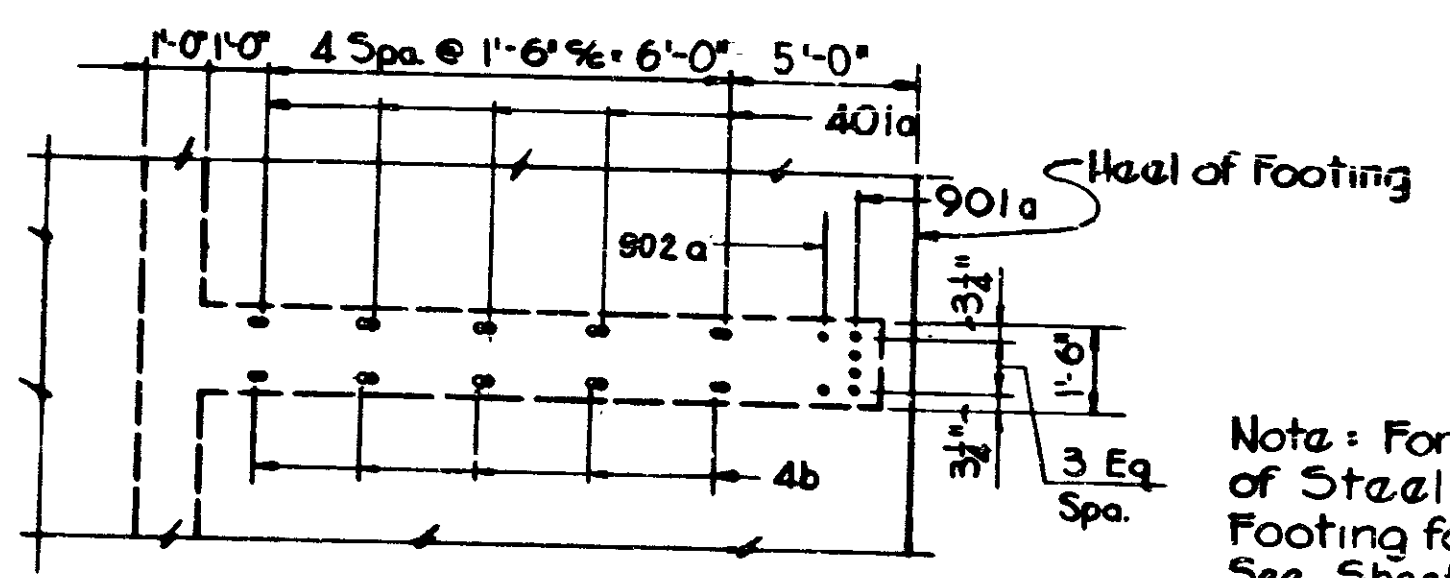
BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	10-3	197	117	



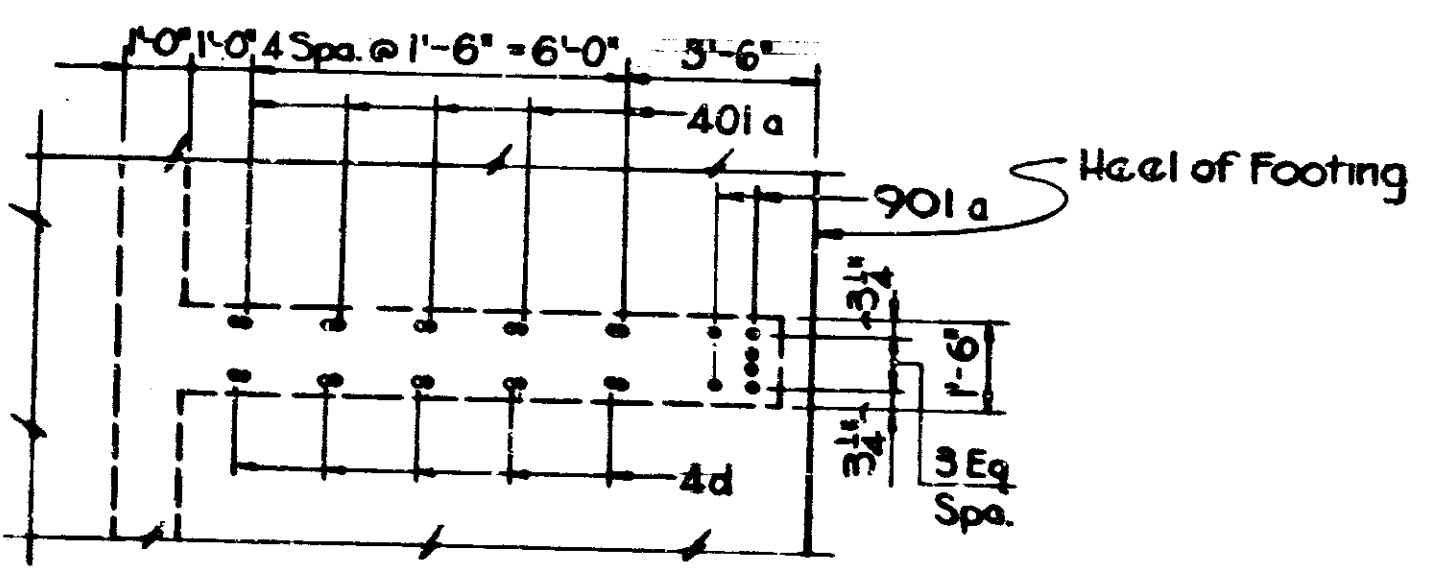
ELEVATION - COUNTERFORT TYPE-1



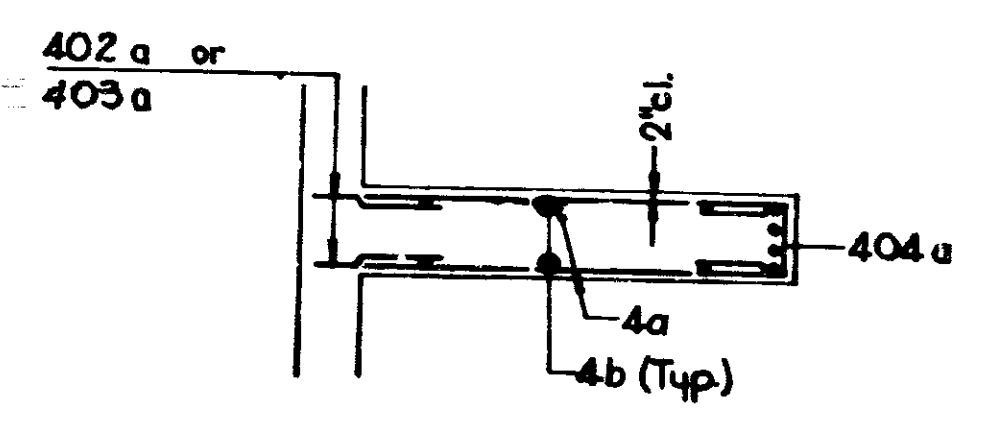
ELEVATION - COUNTERFORT TYPE-2



PART FOOTING PLAN - COUNTERFORT TYPE-1

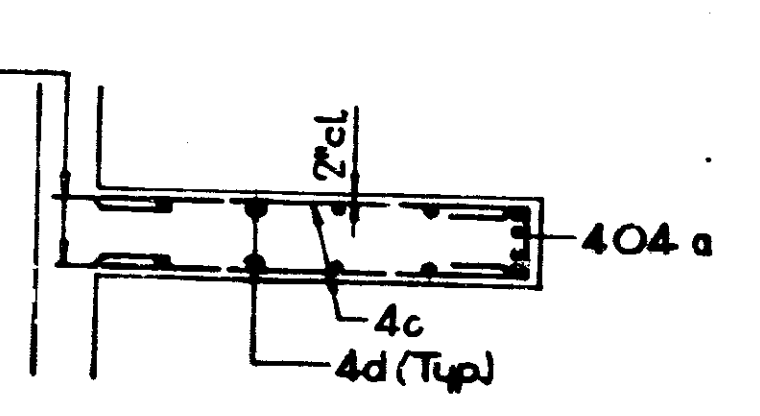


PART FOOTING PLAN - COUNTERFORT TYPE-2



SECTION A-A

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 2 See Sheet No. 106 Detail "C"

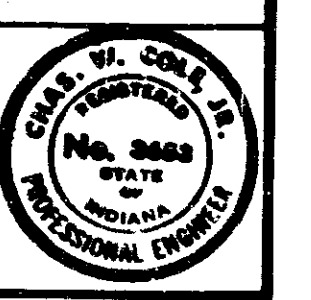


SECTION B-B

Note:
 See Sheet No. 106 & 108 for Gen. Plan
 See Sheet No. 115 for Reinf. Bar Diagrams
 See Sheet No. 116 for Bill of Material

COUNTERFORT DETAILS TYPES 1&2
 INDIANA STATE HIGHWAY COMMISSION

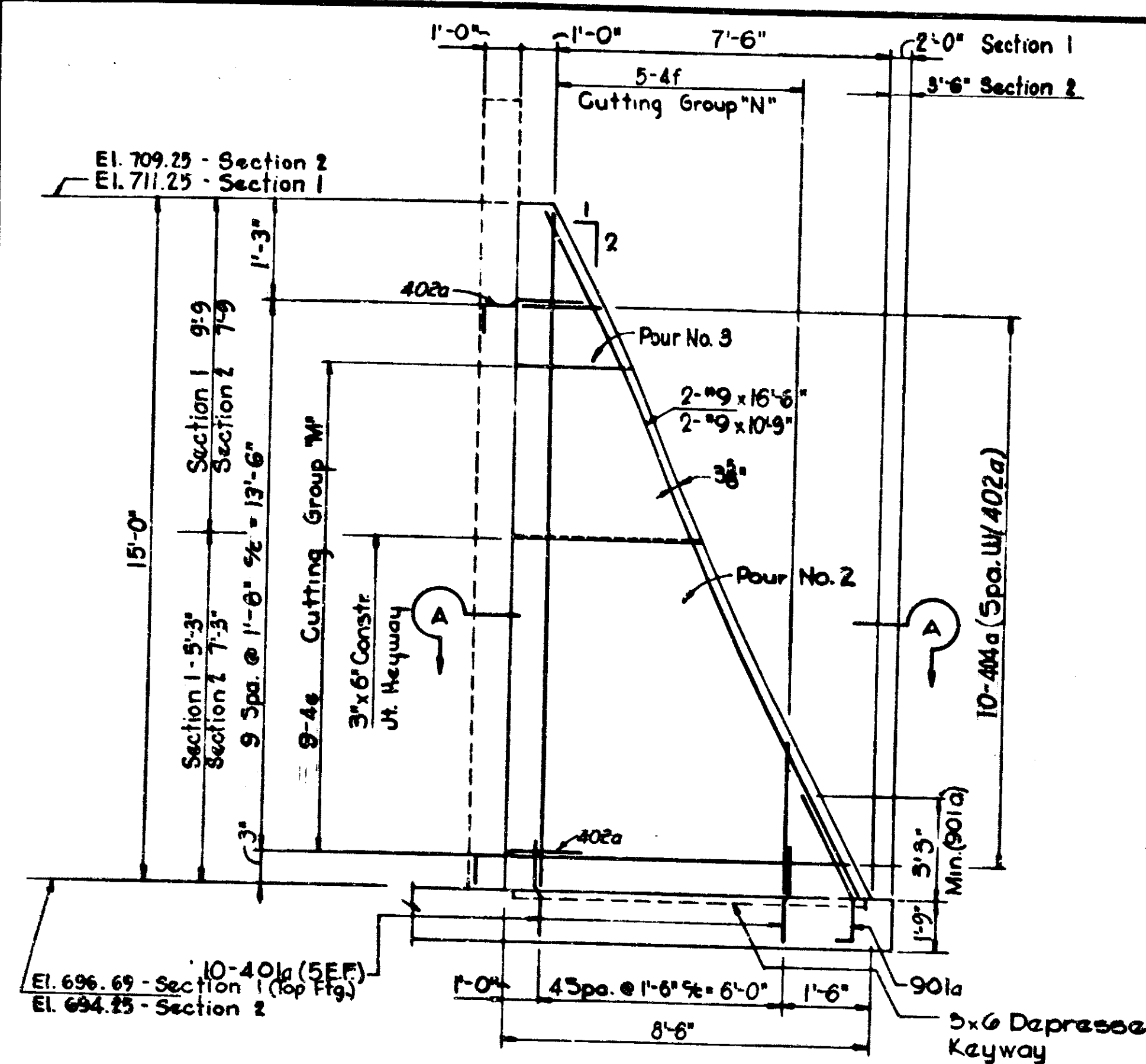
SCALE: NONE
 SUBMITTED FOR APPROVAL: *Lawrence J. ...*



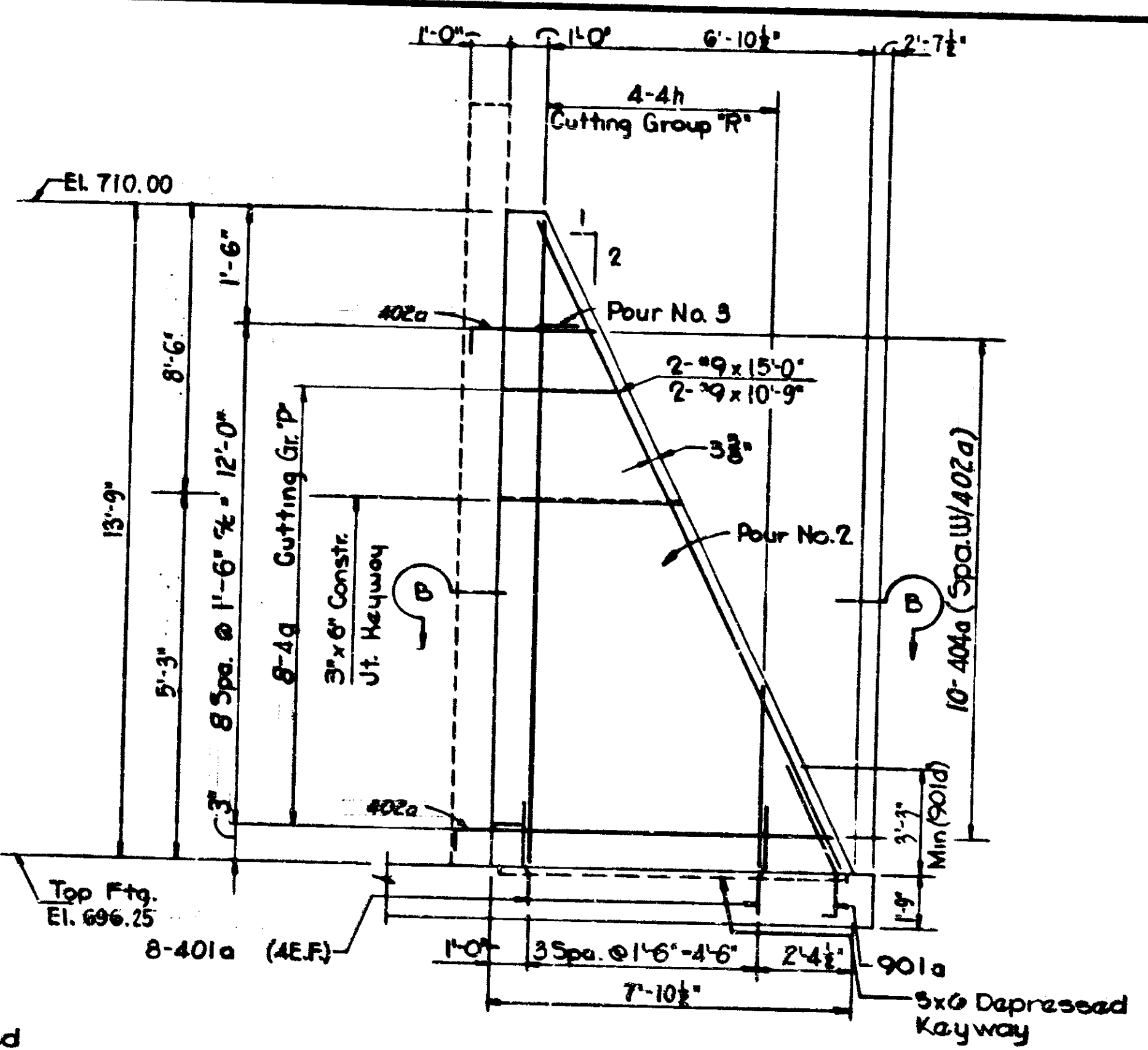
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	DATE	SCALE	FILE
10-3-10-17	117	237	

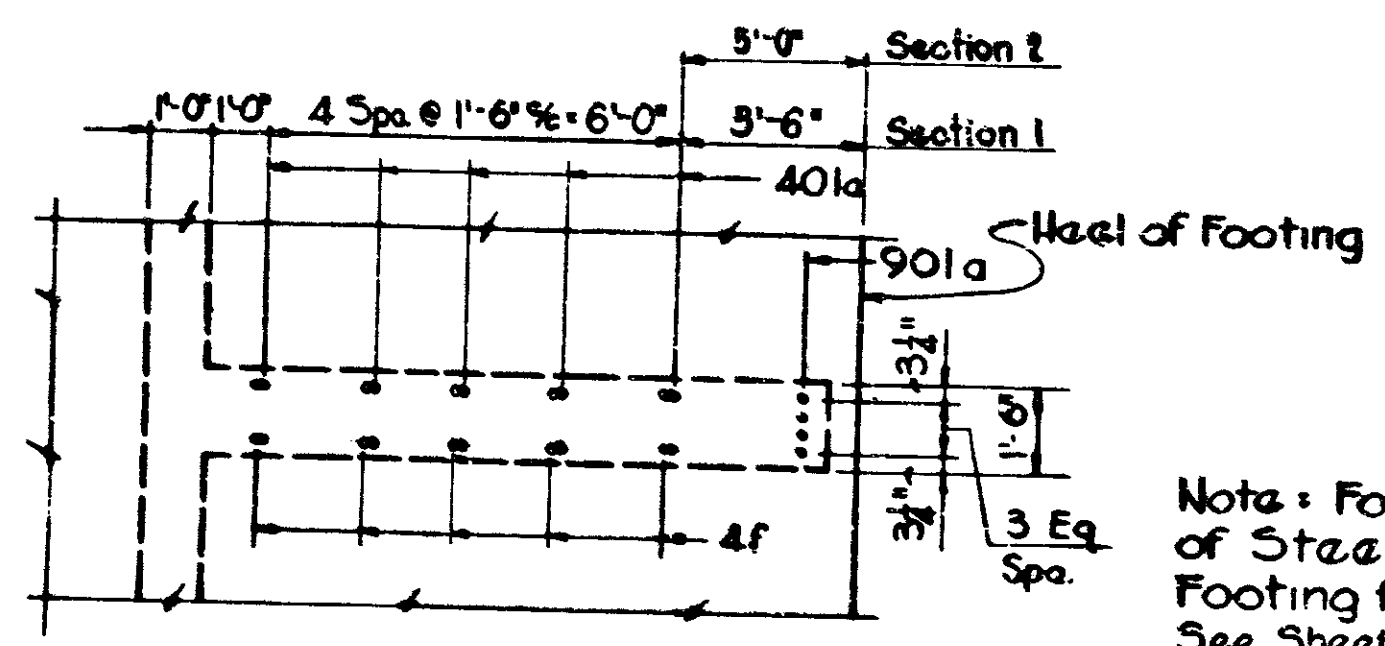
BRIDGES OVER 20' SPAN					
Proj. No.	Dist.	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	IND.	1-70-3	197	118	



ELEVATION - COUNTERFORT TYPE-3

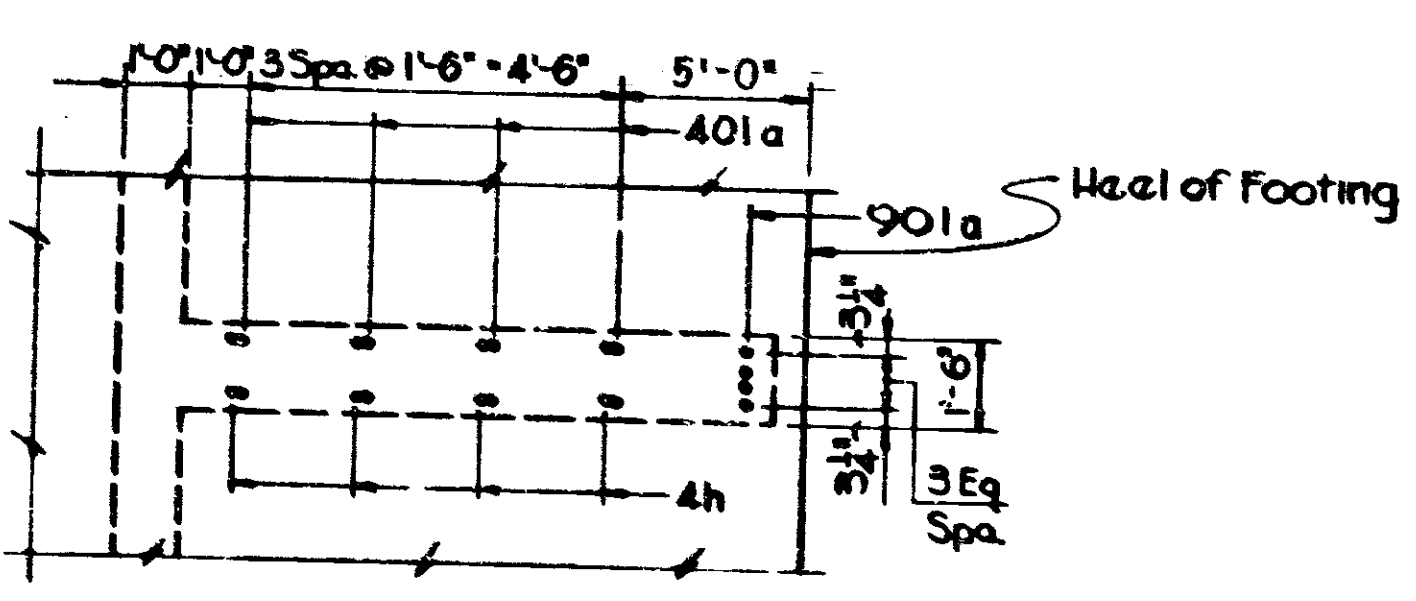


ELEVATION - COUNTERFORT TYPE-4



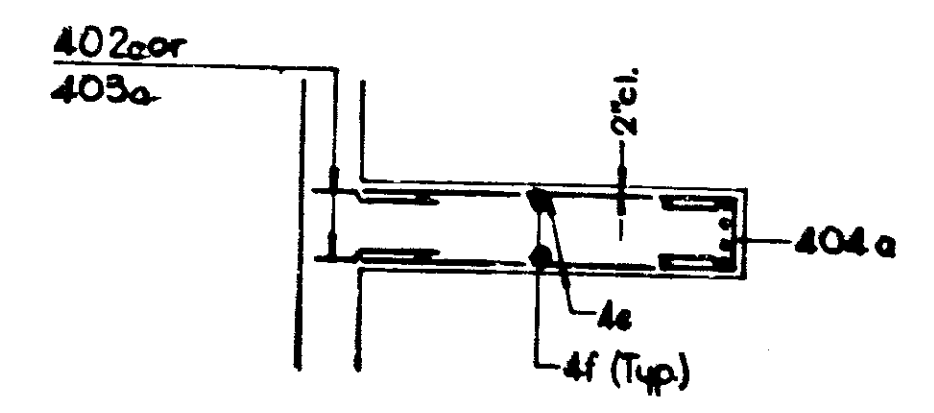
PART FOOTING PLAN - COUNTERFORT TYPE-3

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 3 See Sheet No. 106 Detail "B" Sec. 1 and Sheet No. 108 Detail "B" Sec. 2



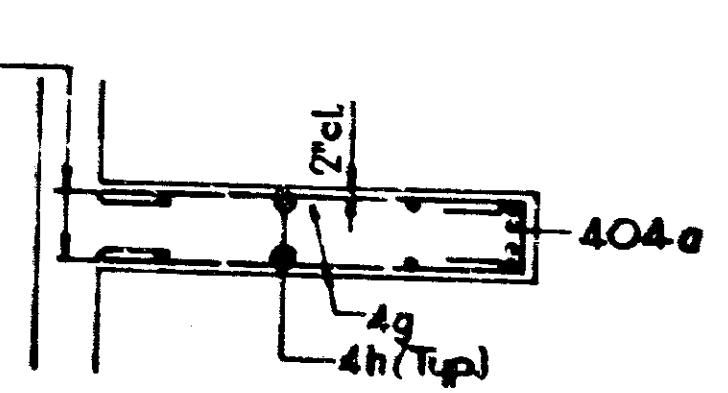
PART FOOTING PLAN - COUNTERFORT TYPE-4

Note:
See Sheet No. 106 & 108 for Gen. Plan
See Sheet No. 115 for Reinf. Bar Diagrams
See Sheet No. 116 for Bill of Material



SECTION A-A

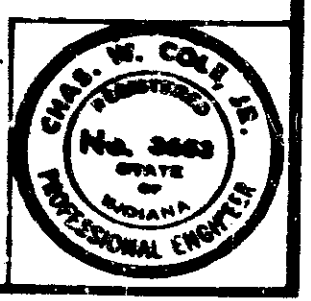
Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 4 See Sheet No. 106 Detail "A".



SECTION B-B

COUNTERFORT DETAILS TYPES 3 & 4
INDIANA STATE HIGHWAY COMMISSION

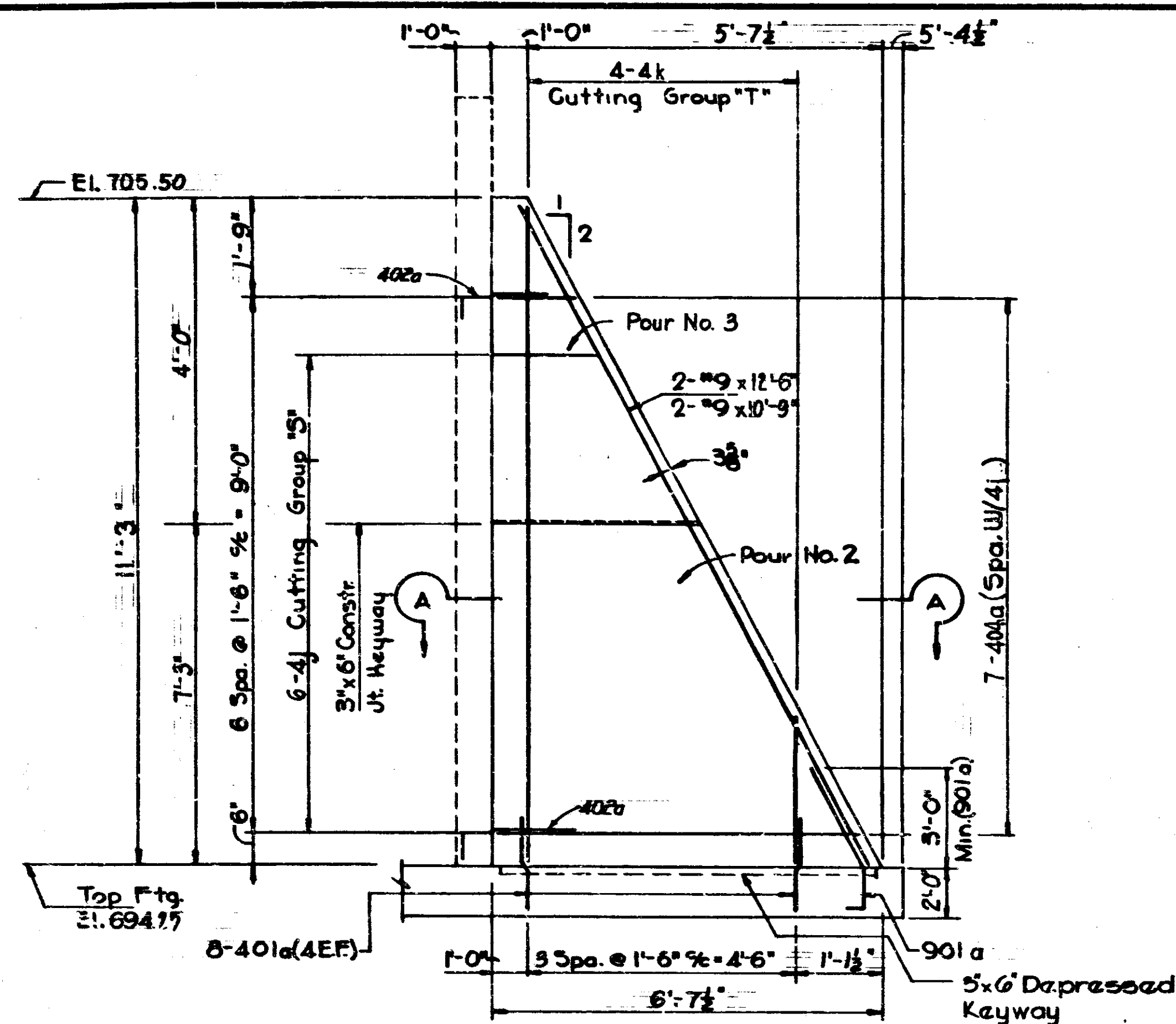
SCALE: NONE
SUBMITTED FOR APPROVAL: *[Signature]*



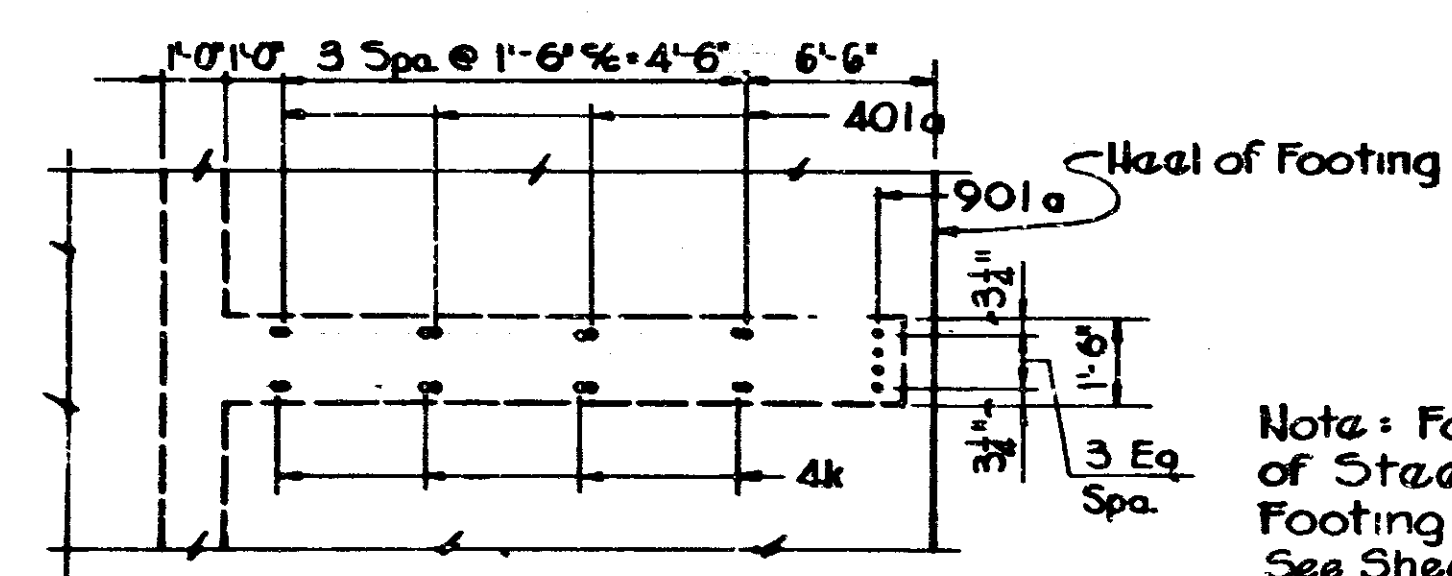
DESIGNED	CKD
DRAWN	CKE
TRACED	CKD

PROJECT NO.	LINE	SHEET	DATE	FILE
1-3-3-77		118	237	

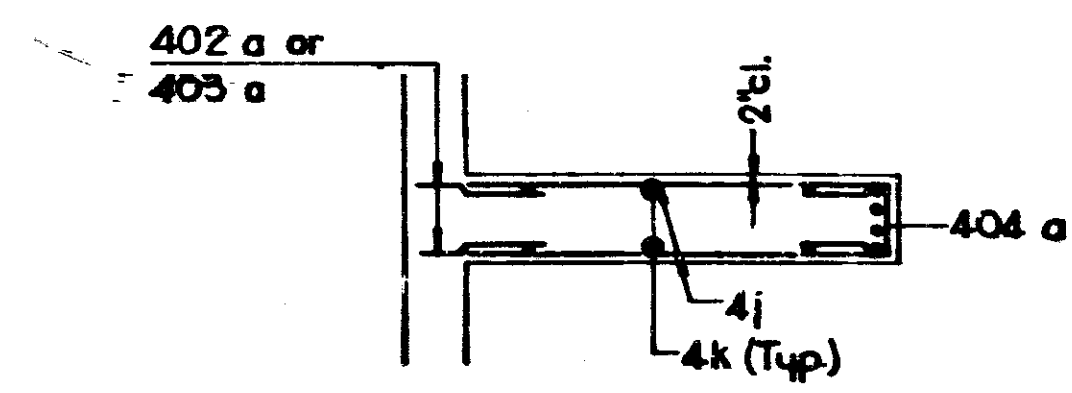
BRIDGES OVER 20' SPAN					
P.L.B. ROAD DISTRICT	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
E	IND.	103 (5)77	197	119	



ELEVATION - COUNTERFORT TYPE-5



PART FOOTING PLAN - COUNTERFORT TYPE-5



SECTION A-A

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 5 See Sheet No. 108 Detail "C"

Note:
 See Sheet No. 108 for Gen. Plan
 See Sheet No. 117 for Reinf. Bar Diagrams
 See Sheet No. 116 for Bill of Material

COUNTERFORT DETAILS TYPE 5
 INDIANA STATE HIGHWAY COMMISSION

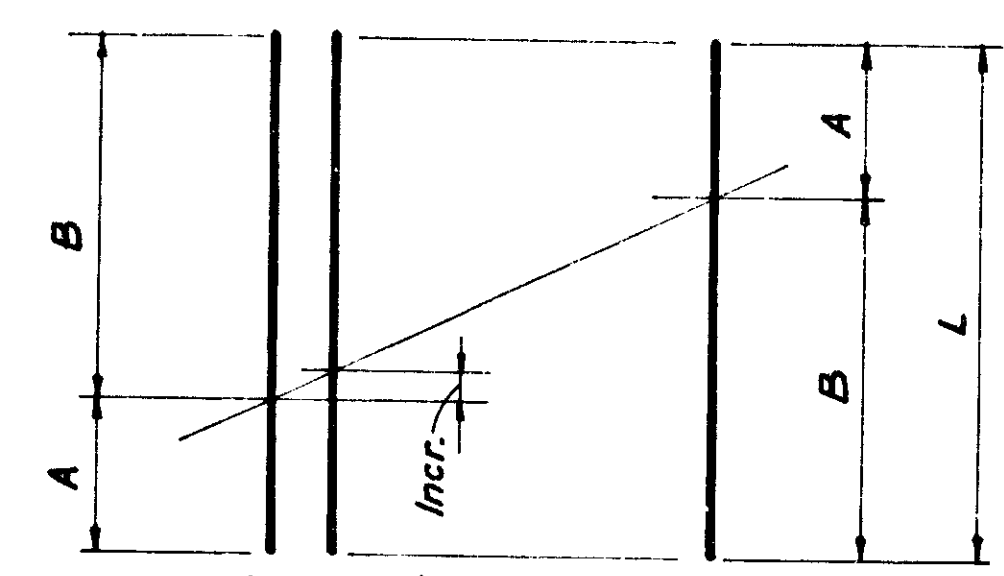
SCALE: - NONE
 SUBMITTED FOR APPROVAL: *[Signature]*



DESIGNED	CTD
DRAWN	CTD
TRACED	CTD

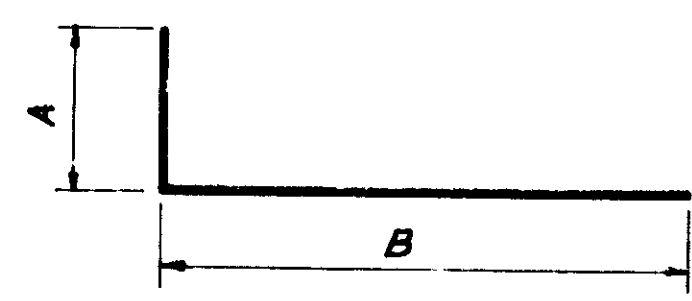
PROJECT NO.	DATE	BY	CHKD.	FILE
103-5(CS)TT	10		257	

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (29) 77	197	120	

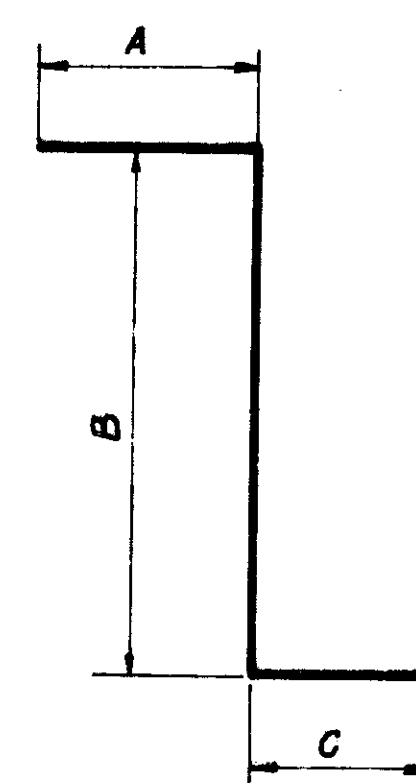


1 Bar Cuts 2 Lengths
TWO-FACE CUTTING GROUP DIAGRAM

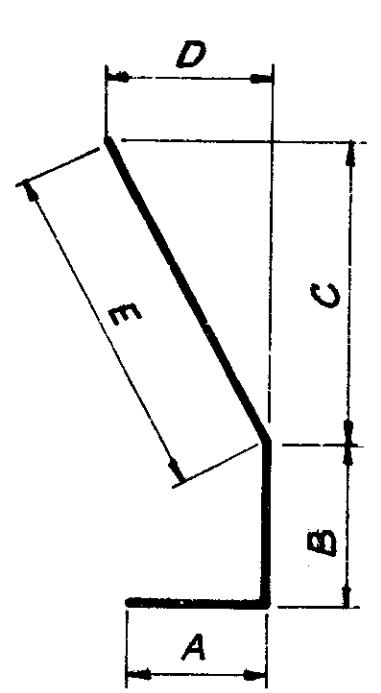
Cutting Group	Mark or Size	No. of Bars	A	B	Incr.	L
A	6a	49	10'-0"	13'-6"	1/4"	23'-6"
B	6b	49	6'-1 1/2"	13'-4 1/2"	1/4"	19'-6"
G	5c	14	2'-6"	5'-3"	2 1/4"	7'-9"
H	4a	10	2'-3"	9'-0"	9"	11'-3"
J	4b	5	4'-6"	16'-6"	3'-0"	21'-0"
K	4c	10	2'-1 1/2"	8'-10 1/2"	9"	11'-0"
L	4d	5	4'-3"	16'-3"	3'-0"	20'-6"
M	4e	9	2'-1 1/2"	8'-1 1/2"	9"	10'-3"
N	4f	5	2'-9"	14'-9"	3'-0"	17'-6"
P	4g	8	2'-3"	7'-6"	9"	9'-9"
R	4h	4	4'-6"	13'-6"	3'-0"	18'-0"
S	4j	6	2'-6"	6'-3"	9"	8'-9"
T	4k	4	2'-0"	11'-0"	3'-0"	13'-0"



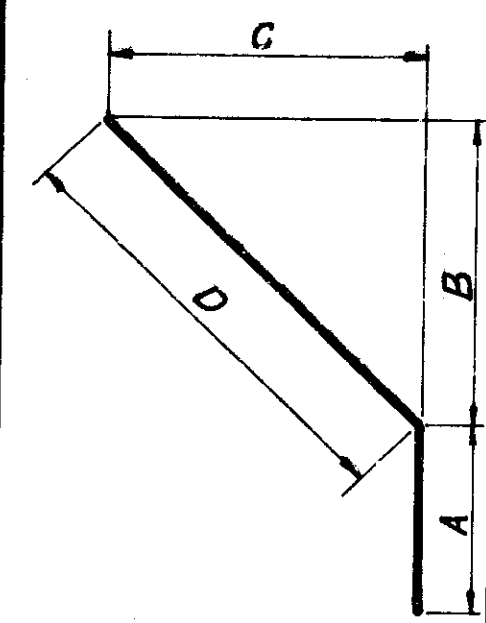
Mark or Size	Dimensions		
	A	B	Length
401a	9"	2'-9"	3'-6"
402a	8"	2'-4"	3'-0"
506a	10"	2'-11"	3'-9"
601a	1'-0"	3'-6"	4'-6"
903a	1'-7"	4'-2"	5'-9"



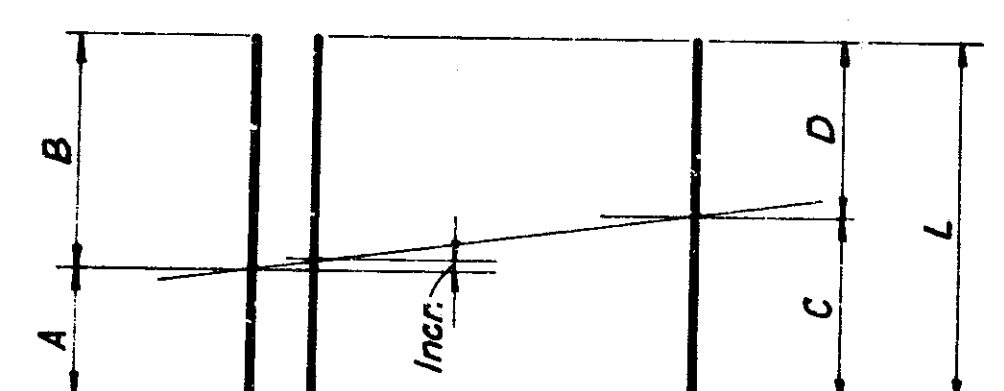
Mark or Size	Dimensions			
	A	B	C	Length
704a	1'-2"	3'-2"	1'-2"	5'-6"
604a	1'-1"	3'-8"	1'-0"	5'-9"



Mark or Size	Dimensions					
	A	B	C	D	E	Length
901a	1'-7"	1'-5"	3'-4 1/2"	1'-8"	3'-9"	6'-3"
902a	1'-8"	1'-5"	5'-3 1/2"	2'-7 1/2"	5'-11"	9'-0"

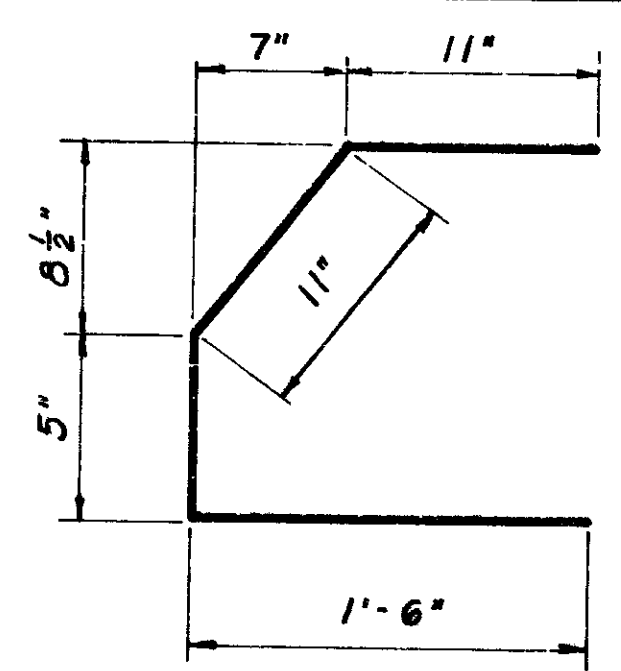


Mark or Size	Dimensions				
	A	B	C	D	Length
705a	1'-3"	3'-2"	3'-2"	4'-6"	5'-9"
605a	1'-0"	3'-8 1/2"	3'-8 1/2"	5'-3"	6'-3"

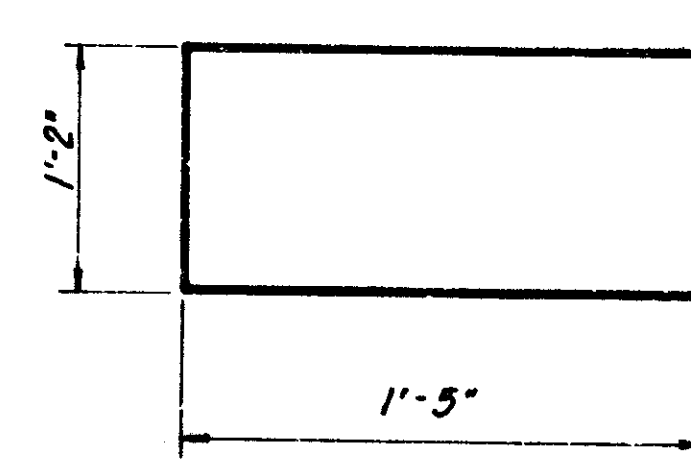


1 Bar Cuts 2 Lengths
ONE-FACE CUTTING GROUP DIAGRAM

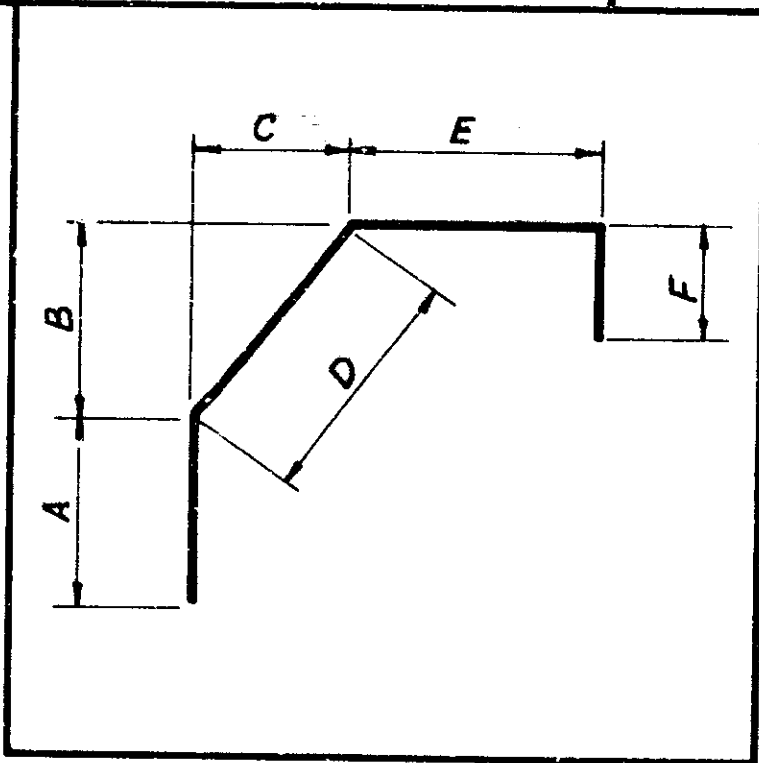
Cutting Group	Mark or Size	No. of Bars	A	B	C	D	Incr.	L
C	5a	37	5'-3"	15'-9"	10'-5 1/2"	10'-6 1/2"	1 1/4"	21'-0"
D	9a	37	5'-3"	15'-9"	10'-5 1/2"	10'-6 1/2"	1 1/4"	21'-0"
V	501a	24	4'-8"	6'-7"	5'-7 1/2"	5'-7 1/2"	1/4"	11'-3"
W	506a	24	4'-10"	6'-9"	5'-9 1/2"	5'-9 1/2"	1/4"	11'-7"



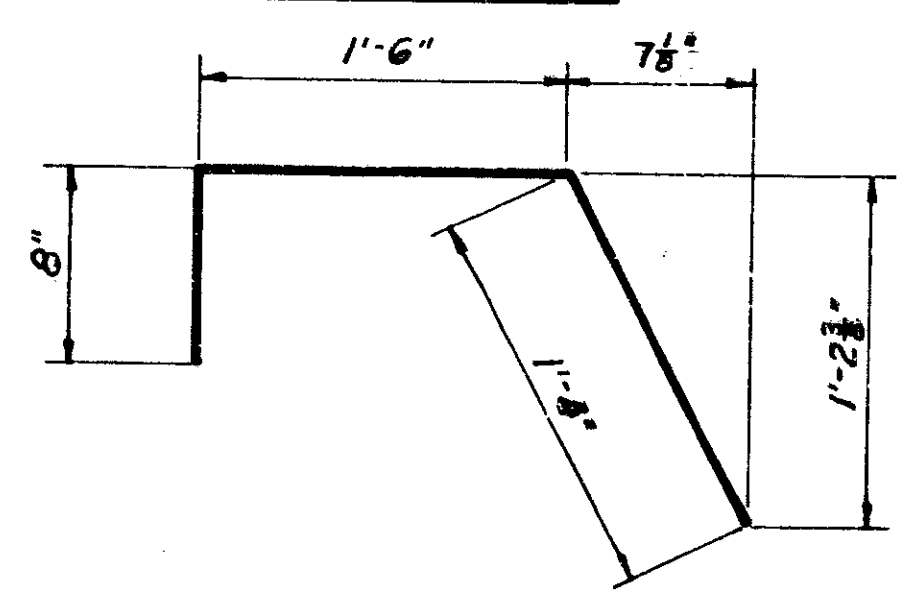
509 a x 3'-9"



404 a x 4'-0"



Cutting Group	Mark or Size	Dimensions						Length
		A	B	C	D	E	F	
V	501a	Varies	8 1/2"	7"	11"	11"	10"	Varies
	504a	3'-11"	8 1/2"	7"	11"	11"	10"	6'-7"
	505a	2'-0"	8 1/2"	7"	11"	11"	10"	4'-8"
W	506a	Varies	8 1/2"	7"	11"	11"	10"	Varies
	507a	4'-1"	8 1/2"	7"	11"	11"	10"	6'-9"
	508a	2'-2"	8 1/2"	7"	11"	11"	10"	4'-10"



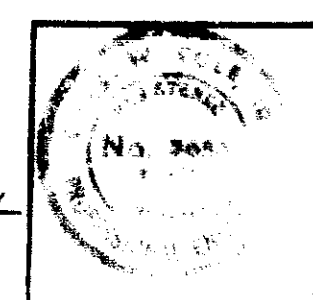
403a x 3'-6"

See Br. Std. C-1 for Reinforcing Bar Notes.

RETAINING WALL I
BAR DETAILS
INDIANA STATE HIGHWAY
COMMISSION

SCALE: NONE

SUBMITTED FOR APPROVAL: *Shea Kelly* 3-21-77



BRIDGES OVER 30' SPAN					
PUR. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-10-3 (15) 77	197	121	

BILLS OF MATERIAL

SECTION 1 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
#901a	28	6'-9"	
#9	12	10'-9"	
#9	4	15'-0"	
#9	4	16'-6"	
#9	4	18'-0"	
Total #9 Bars =			1,754
8	110	17'-0"	
Total #8 Bars =			4,993
601a	102	4'-6"	
6a	49	23'-6"	
6	2	5'-0"	
6	75	5'-6"	
6	102	7'-3"	
6	2	9'-9"	
6	2	11'-0"	
6	102	12'-0"	
6	2	13'-6"	
6	2	16'-9"	
6	33	25'-0"	
6	66	26'-9"	
Total #6 Bars =			10,053
501a	24	11'-3"	
504a	2	6'-7"	
505a	1	4'-8"	
Total #5 Bars =			300
401a	56	3'-6"	
402a	120	3'-0"	
403a	12	3'-6"	
404a	62	4'-0"	
4c	20	11'-0"	
4d	10	20'-6"	
4e	18	10'-3"	
4f	10	17'-6"	
4g	16	9'-9"	
4h	8	18'-0"	
Total #4 Bars =			1,290
Total Reinforcing Steel			18,390 lbs.
Concrete			
Pour No. 1 (Footings)			72.9
Pour No. 2A			11.6
Pour No. 2B			11.5
Pour No. 2C			11.5
Pour No. 3A			12.9
Pour No. 3B			13.0
Pour No. 3C			13.8
Pour No. 4B			1.8
Pour No. 4C			3.1
Total Class 'A' Conc. For Ret. Walls			152.1 Cys.
Miscellaneous			
Foundation Excavation			298 Cys.
'B' Borrow			668 Cys.
Paved Side Ditch, Type 'A'			83 L.F.

SECTION 2 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
#901a	24	6'-9"	
#902a	4	9'-0"	
#9	8	10'-9"	
#9	8	12'-6"	
#9	4	16'-6"	
#9	4	18'-3"	
Total #9 Bars =			1,779
704a	11	5'-6"	
705a	11	5'-9"	
7	120	17'-6"	
Total #7 Bars =			4,545
601a	102	4'-6"	
6b	49	19'-6"	
6	2	4'-6"	
6	2	6'-0"	
6	2	7'-3"	
6	102	9'-3"	
6	2	12'-6"	
6	2	13'-6"	
6	2	19'-6"	
6	2	22'-9"	
6	33	25'-0"	
6	64	26'-9"	
Total #6 Bars =			7,609
506a	24	11'-7"	
507a	1	6'-9"	
508a	2	4'-10"	
5	153	5'-6"	
5	105	13'-6"	
Total #5 Bars =			2,663
401a	56	3'-6"	
402a	112	3'-0"	
403a	12	3'-6"	
404a	56	4'-0"	
4a	20	11'-3"	
4b	10	21'-0"	
4e	18	10'-3"	
4f	10	17'-6"	
4j	12	8'-9"	
4k	8	13'-0"	
Total #4 Bars =			1,203
Total Reinforcing Steel			17,799 lbs.
Concrete			
Pour No. 1 (Footings)			83.6
Pour No. 2A			15.8
Pour No. 2B			14.7
Pour No. 2C			12.7
Pour No. 3A			12.8
Pour No. 3B			11.8
Pour No. 3C			7.8
Pour No. 4A			2.3
Total Class 'A' Conc. For Ret. Walls			161.5 Cys.
Miscellaneous			
Foundation Excavation			472 Cys.
'B' Borrow			614 Cys.
Paved Side Ditch, Type 'A'			83 L.F.

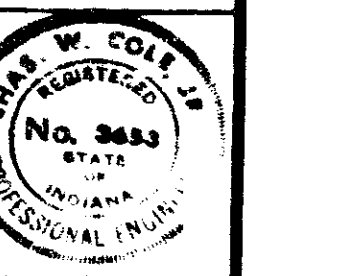
SECTION 3 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
#903a	150	5'-9"	
#9a	37	21'-0"	
#9	106	8'-3"	
#9	2	16'-0"	
Total #9 Bars =			8,656
7	102	10'-0"	
Total #7 Bars =			2,085
604a	8	5'-9"	
605a	6	6'-3"	
6	2	3'-3"	
6	2	8'-0"	
6	2	10'-0"	
6	2	13'-9"	
6	70	17'-3"	
6	2	18'-6"	
6	2	20'-6"	
6	2	24'-3"	
6	16	25'-0"	
6	32	26'-9"	
Total #6 Bars =			4,126
509a	76	3'-9"	
5a	37	21'-0"	
5	2	16'-0"	
Total #5 Bars =			1,141
Total Reinforcing Steel			16,008 lbs.
Concrete			
Pour No. 1 (Footings)			46.2
Pour No. 2A			10.2
Pour No. 2B			11.0
Pour No. 2C			7.7
Pour No. 3A			4.7
Total Class 'A' Conc. For Ret. Walls			79.2 Cys.
Miscellaneous			
Foundation Excavation			322 Cys.
'B' Borrow			407 Cys.
Paved Side Ditch, Type 'A'			83 L.F.

SECTION 4 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
#506a	14	3'-9"	
#509a	7	3'-9"	
#5c	14	7'-9"	
#5	28	5'-0"	
5	2	9'-6"	
5	2	12'-3"	
5	4	19'-6"	
5	2	19'-9"	
5	10	21'-9"	
Total #5 Bars =			736
Total Reinforcing Steel			736 lbs.
Concrete			
Pour No. 1 (Footings)			6.1
Pour No. 2			3.4
Total Class 'A' Conc. For Ret. Walls			9.5
Miscellaneous			
Foundation Excavation			51 Cys.
'B' Borrow			18 Cys.
Paved Side Ditch, Type 'A'			20 L.F.

SUMMARY	
Reinforcing Steel	52,923 lbs.
Class 'A' Concrete in Retaining Walls	402.3 Cys.
Foundation Excavation	1,143 Cys.
'B' Borrow	1,907 Cys.
Paved Side Ditch, Type 'A'	269 L.F.

RETAINING WALL I BILLS OF MATERIAL
INDIANA STATE HIGHWAY COMMISSION

SCALE: -
SUBMITTED FOR APPROVAL: *Schwanke* 8-29-71

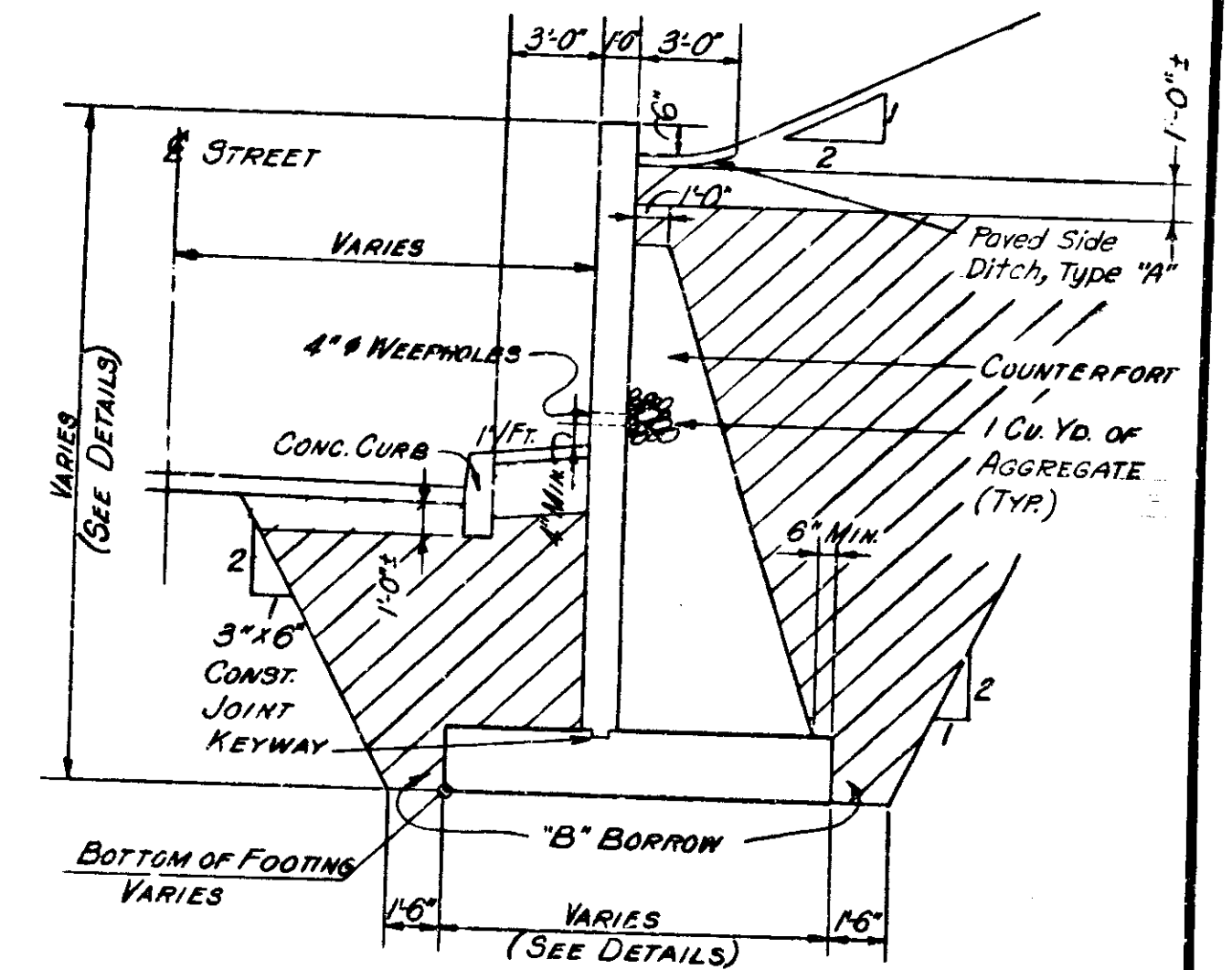
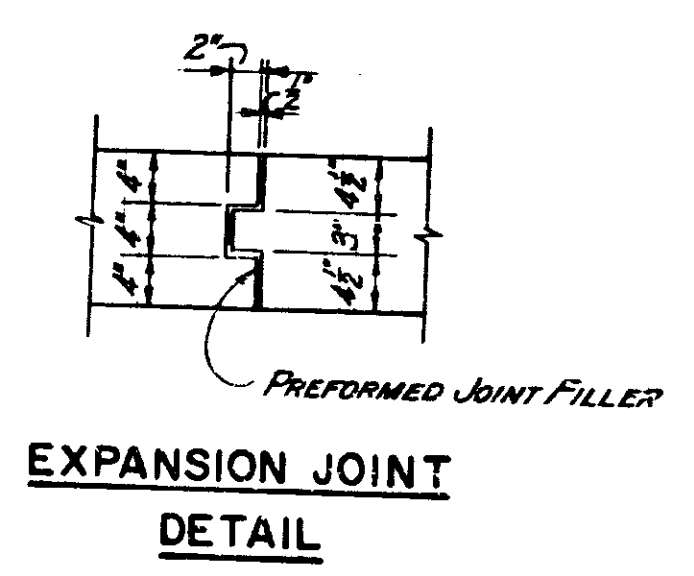
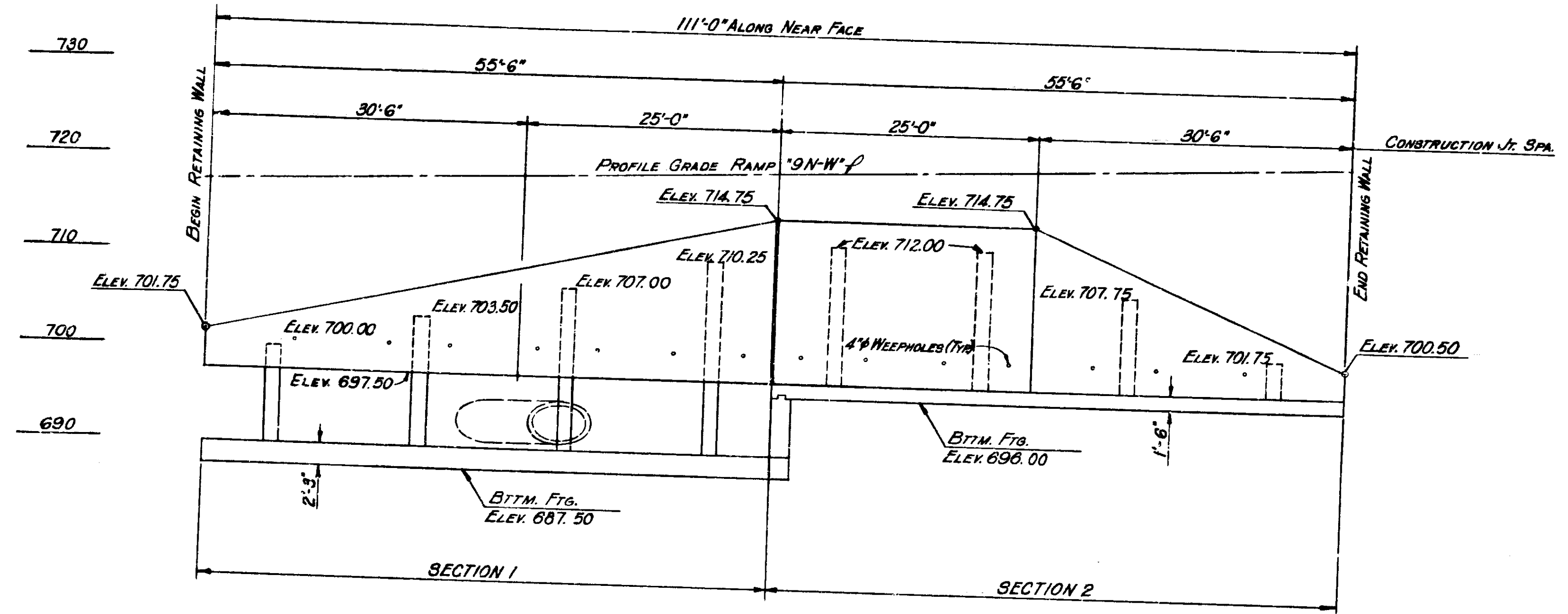


DESIGNED: CKD
DRAWN: F.V.C. CKD
TRACED: CKD

See Br. Std. C1 for Reinforcing Bar Notes.

PROJECT NO.	LINE	REV.	DATE	FILE
1-10-3	77	237		

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	0517	197	122	



CURVE DATA '9N-W'

PI = 318 + 12.55

Δ = 71° 30' 59" Lt.

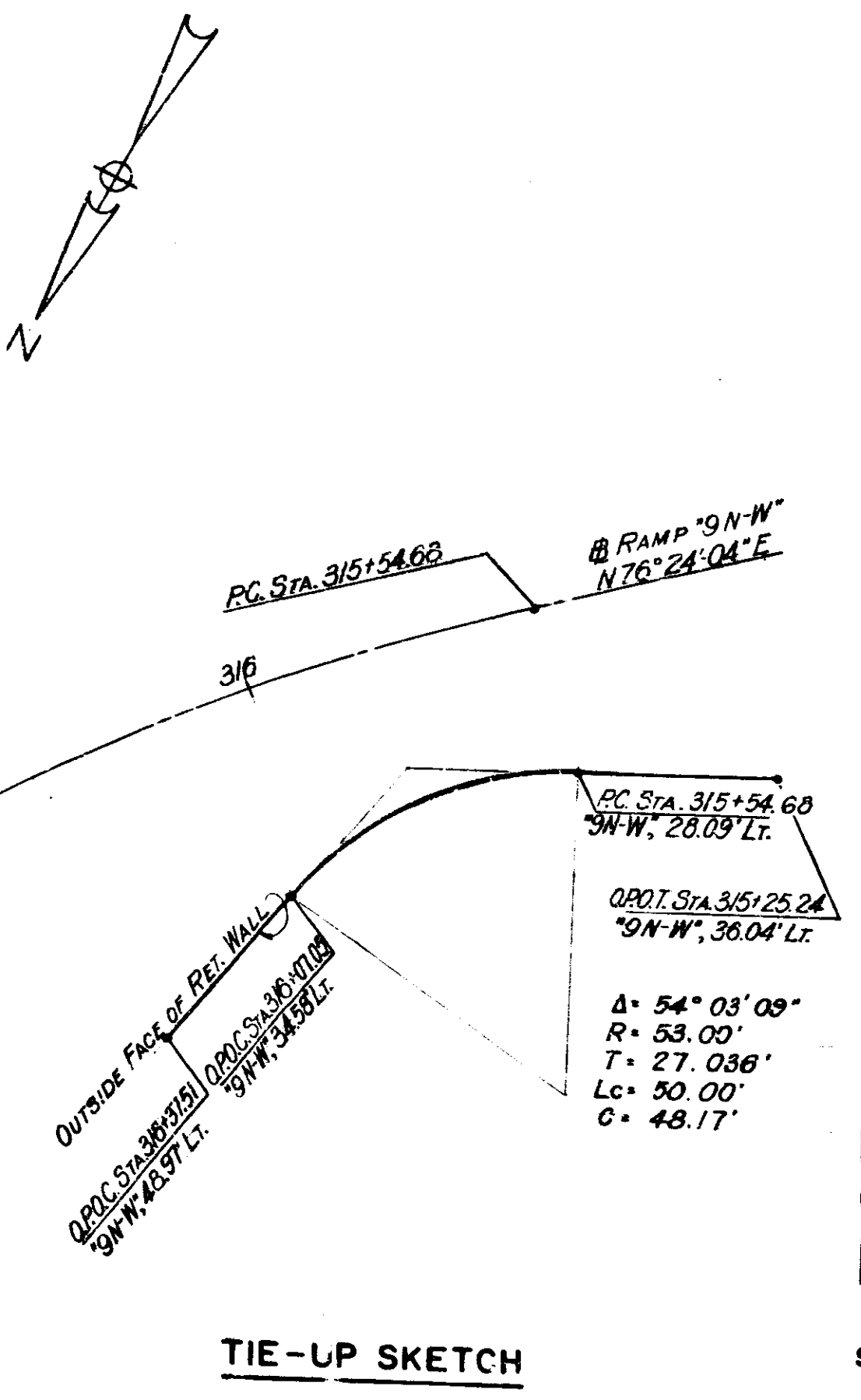
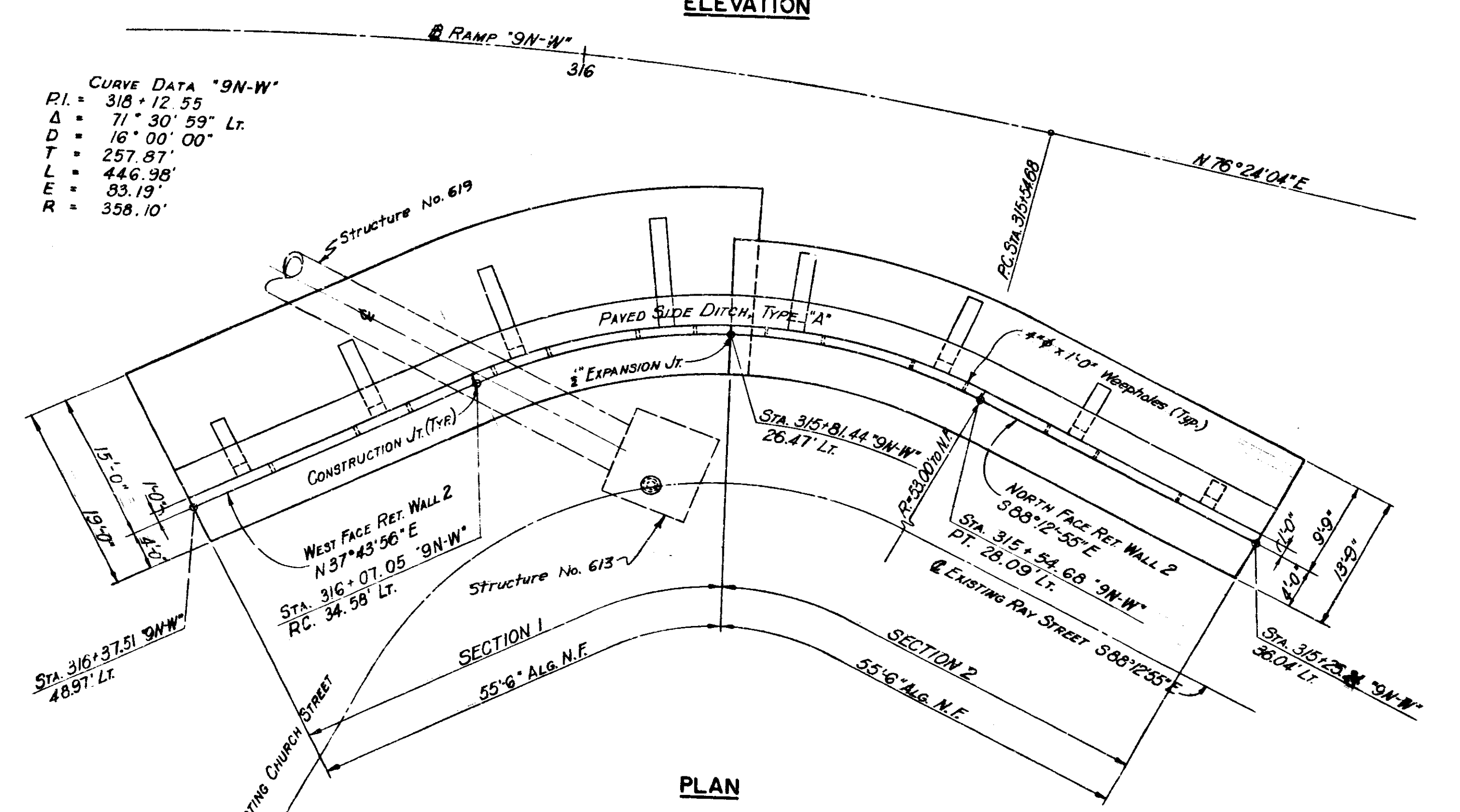
D = 16° 00' 00"

T = 257.87'

L = 446.98'

E = 83.19'

R = 358.10'



NOTE:

SEE SHEET NO. 28 FOR LOCATION OF RETAINING WALL 2.

SEE SHEET NO. 43, PROFILE RAMP '9N-W'

COARSE AGGREGATE BEHIND EACH WEEP-HOLE SHALL BE INDIANA SIZE NO. 1 IN ACCORDANCE WITH SECTION 903.02, INDIANA STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS.

SEE SHEET NO. 124 FOR GENERAL NOTES

RETAINING WALL 2

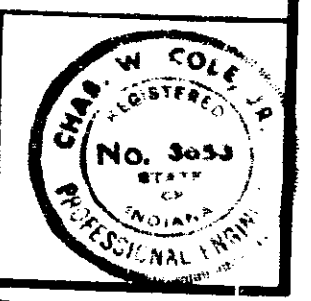
GENERAL ARRANGEMENT

INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE

SUBMITTED FOR APPROVAL: *[Signature]* 8-21-71

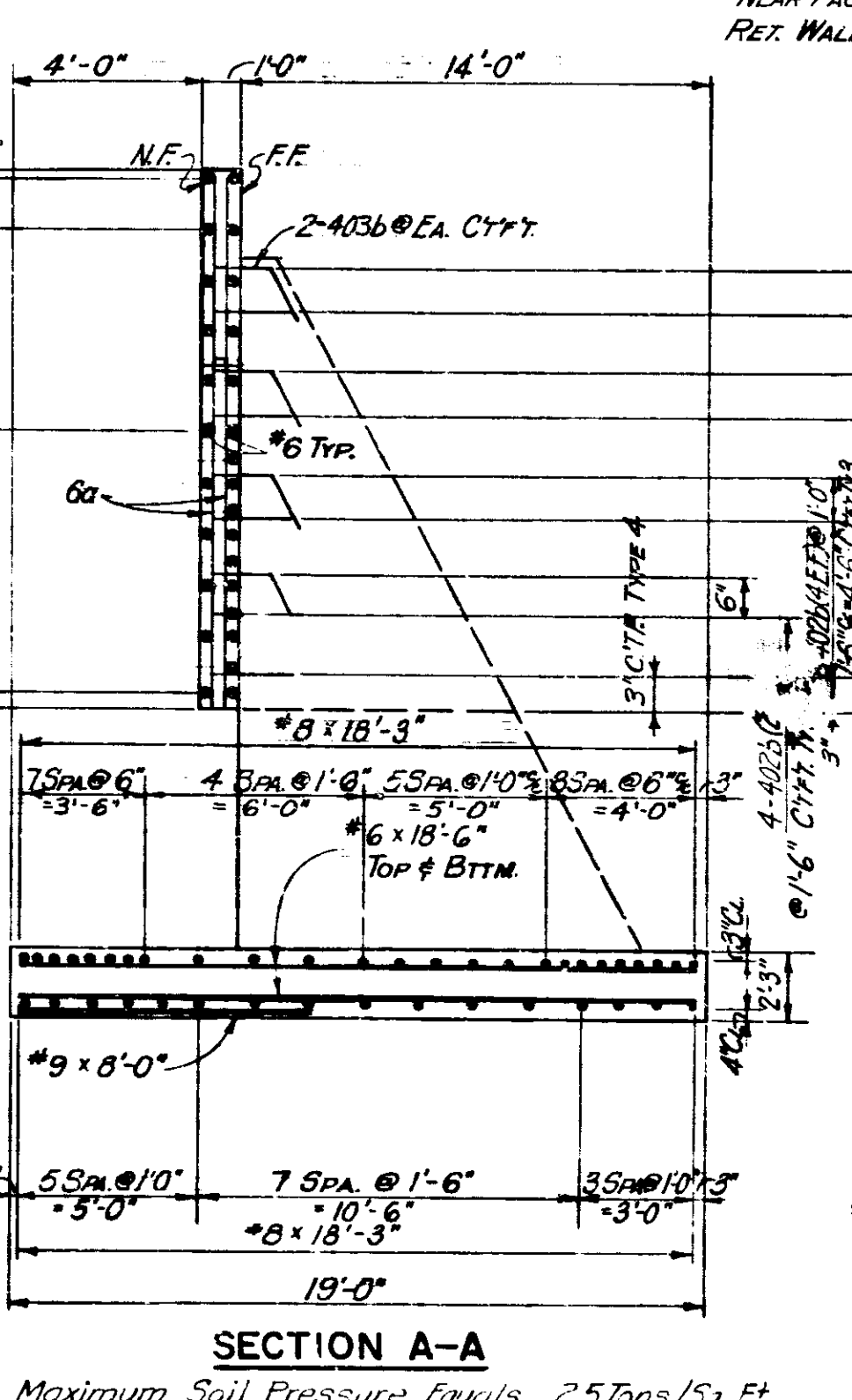
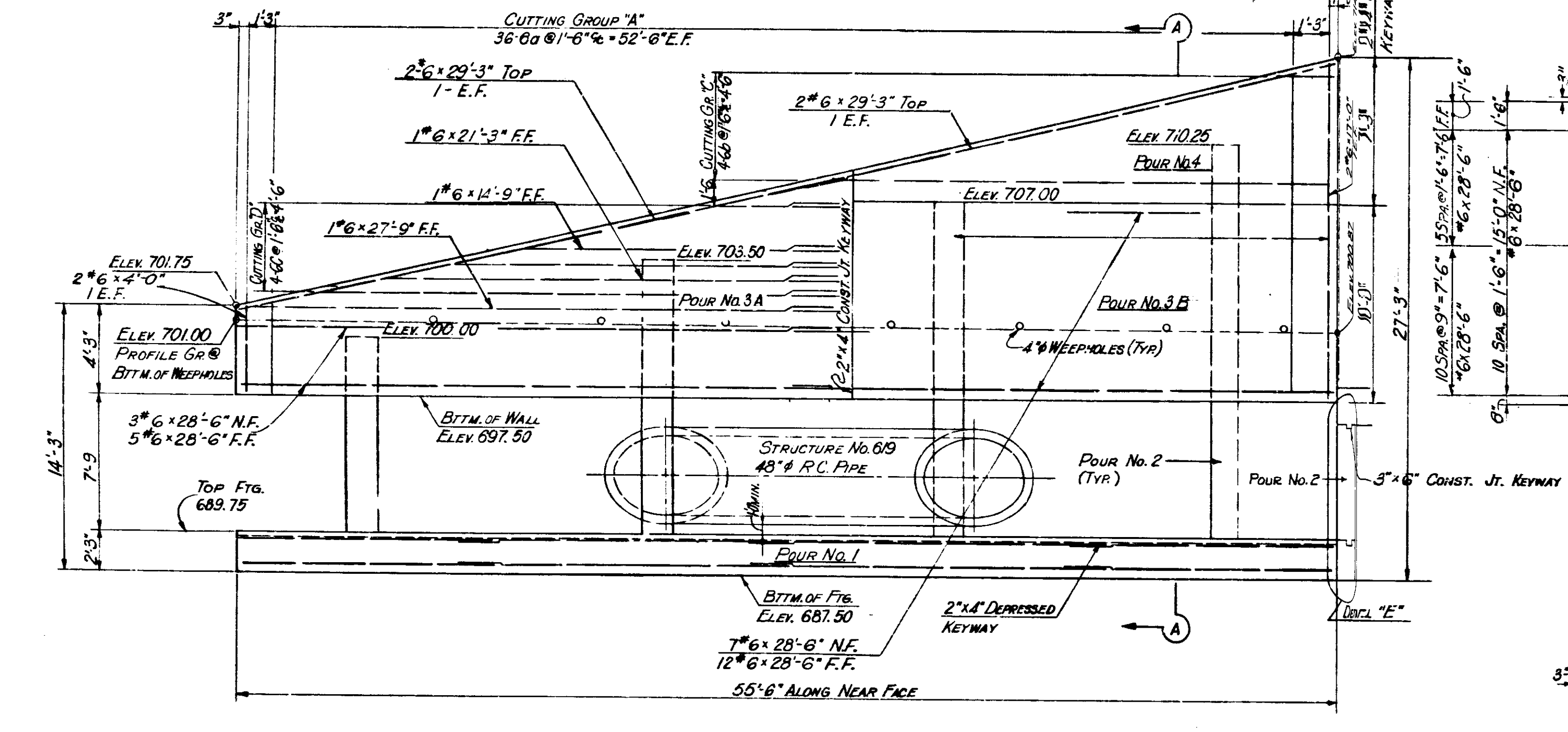
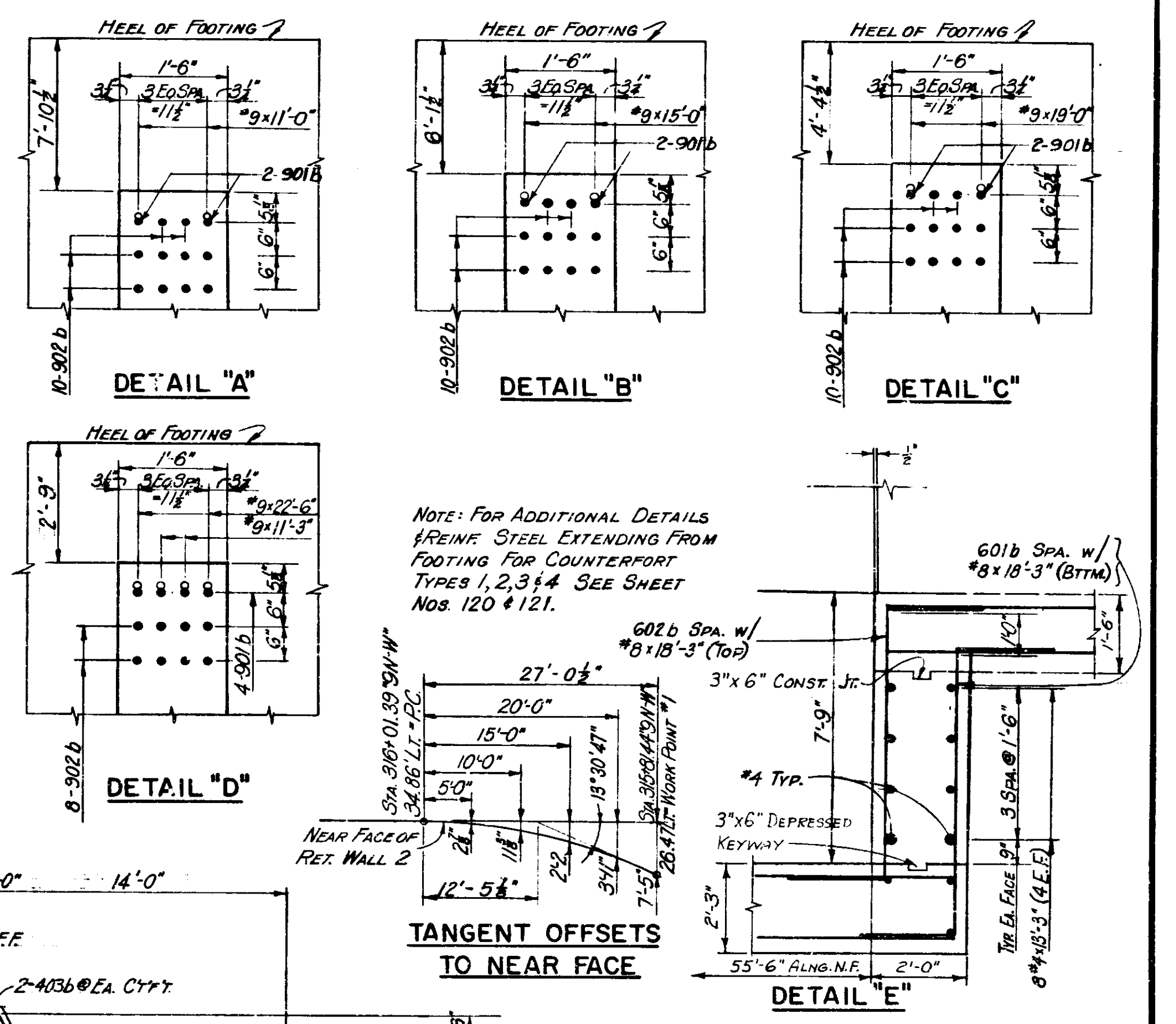
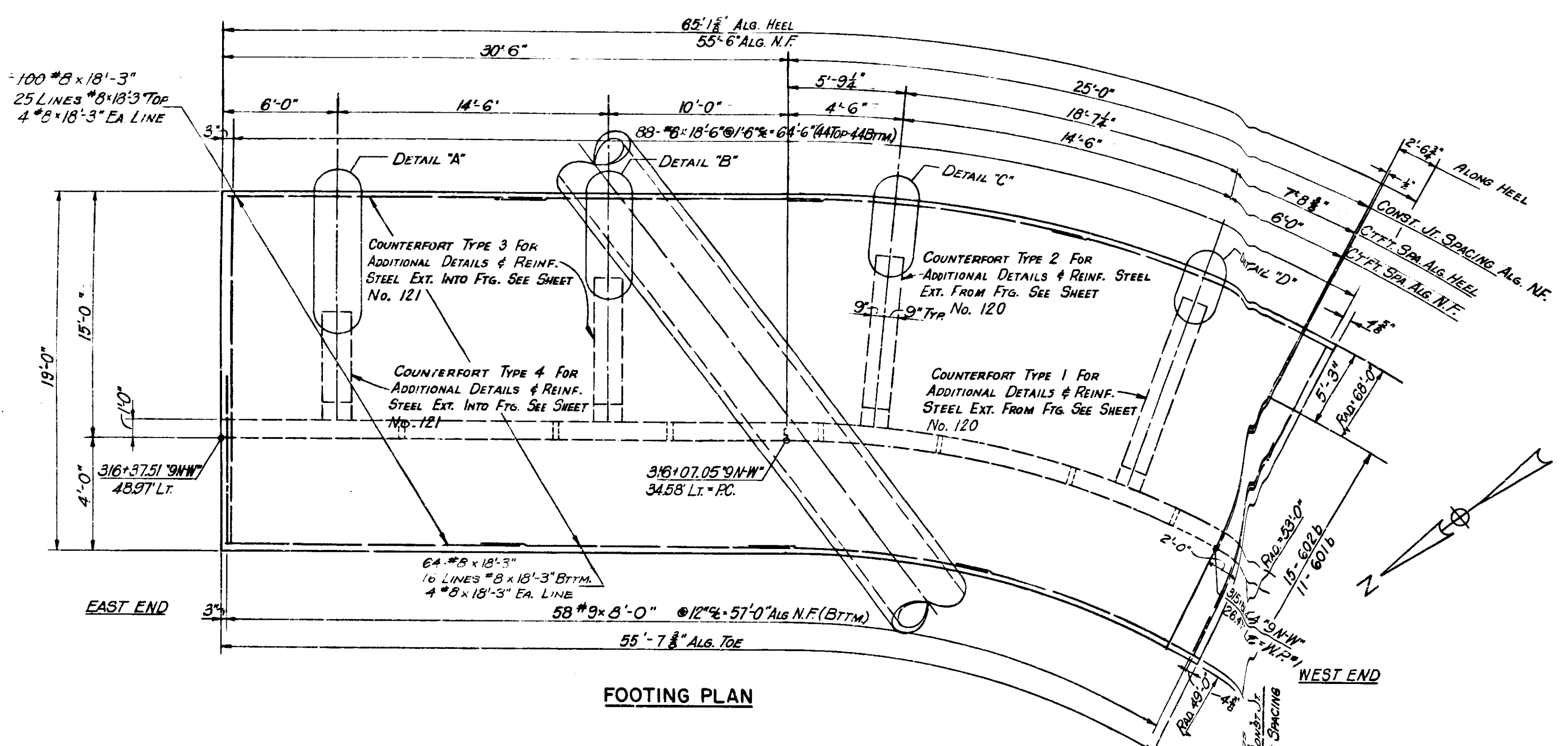
1971



DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
IND. 0517		122	237	

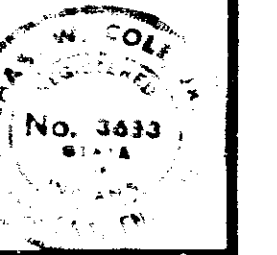
BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
5	IND.	1-70-3 (70) 77	197	123	



RETAINING WALL 2 SECTION I DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE
SUBMITTED FOR APPROVAL: *Chawlsold* 2-21-71

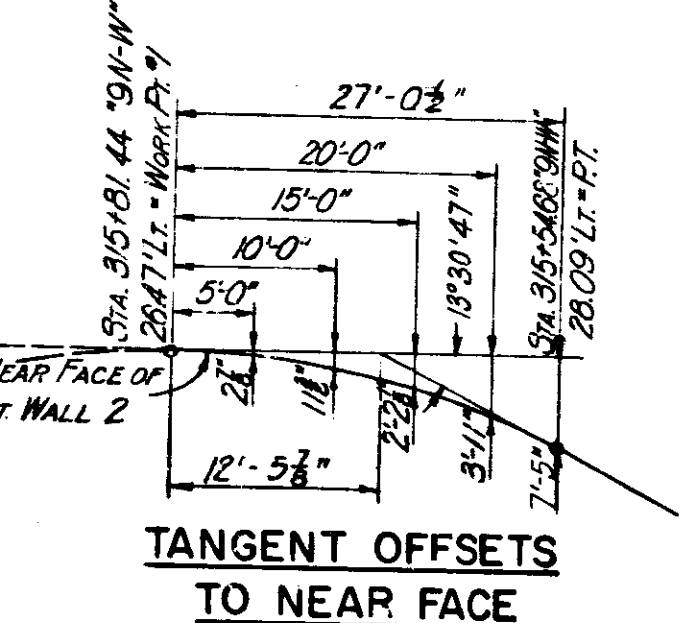
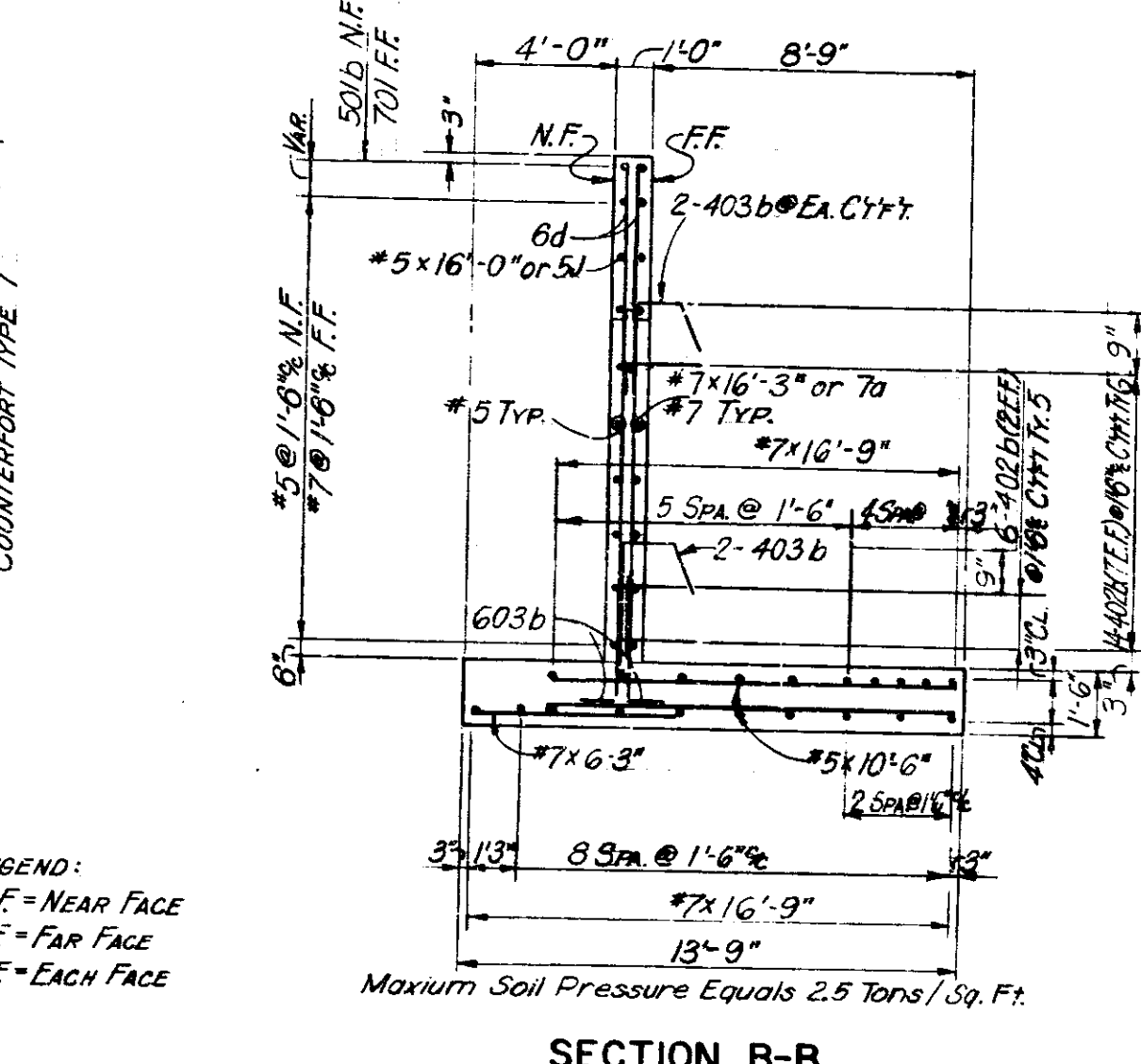
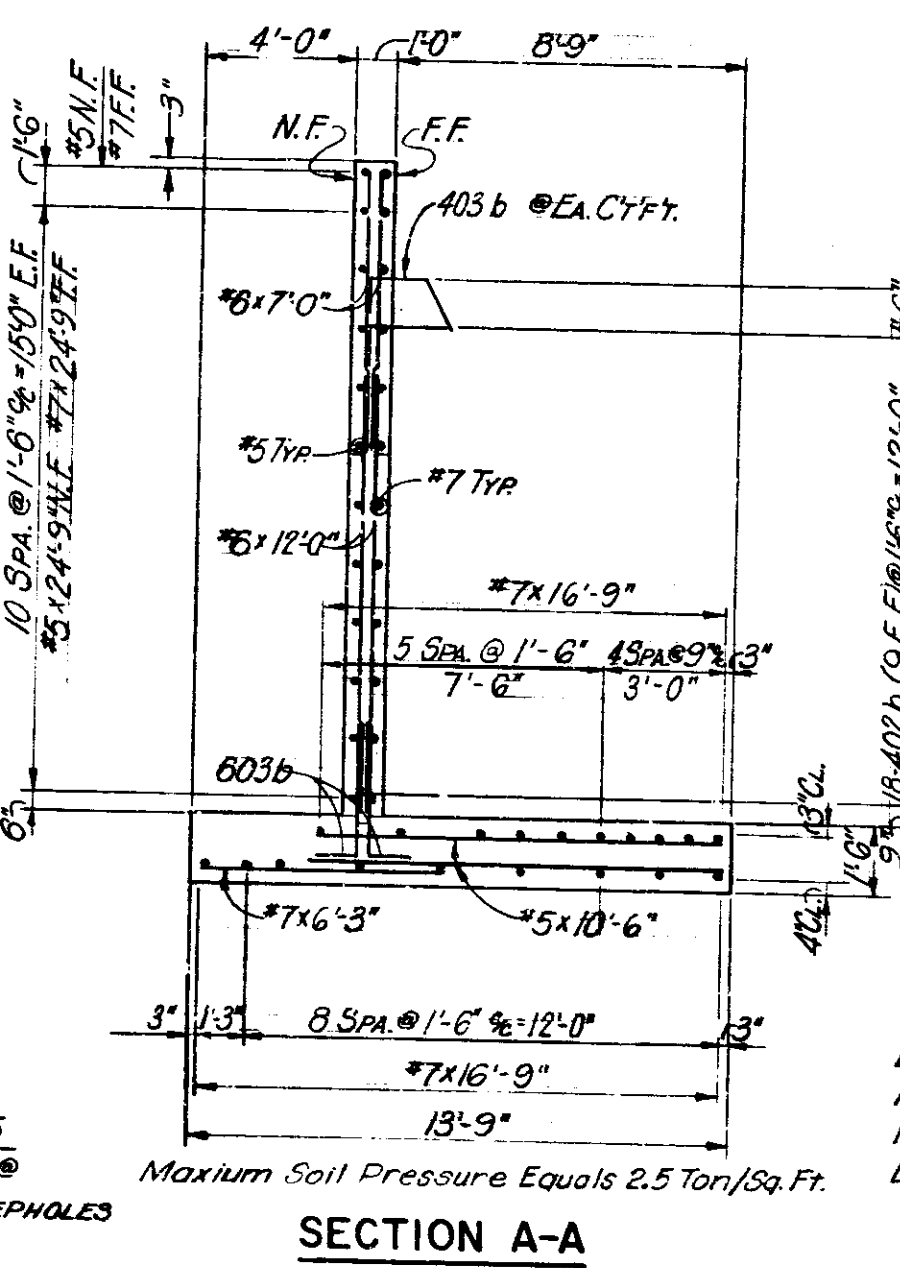
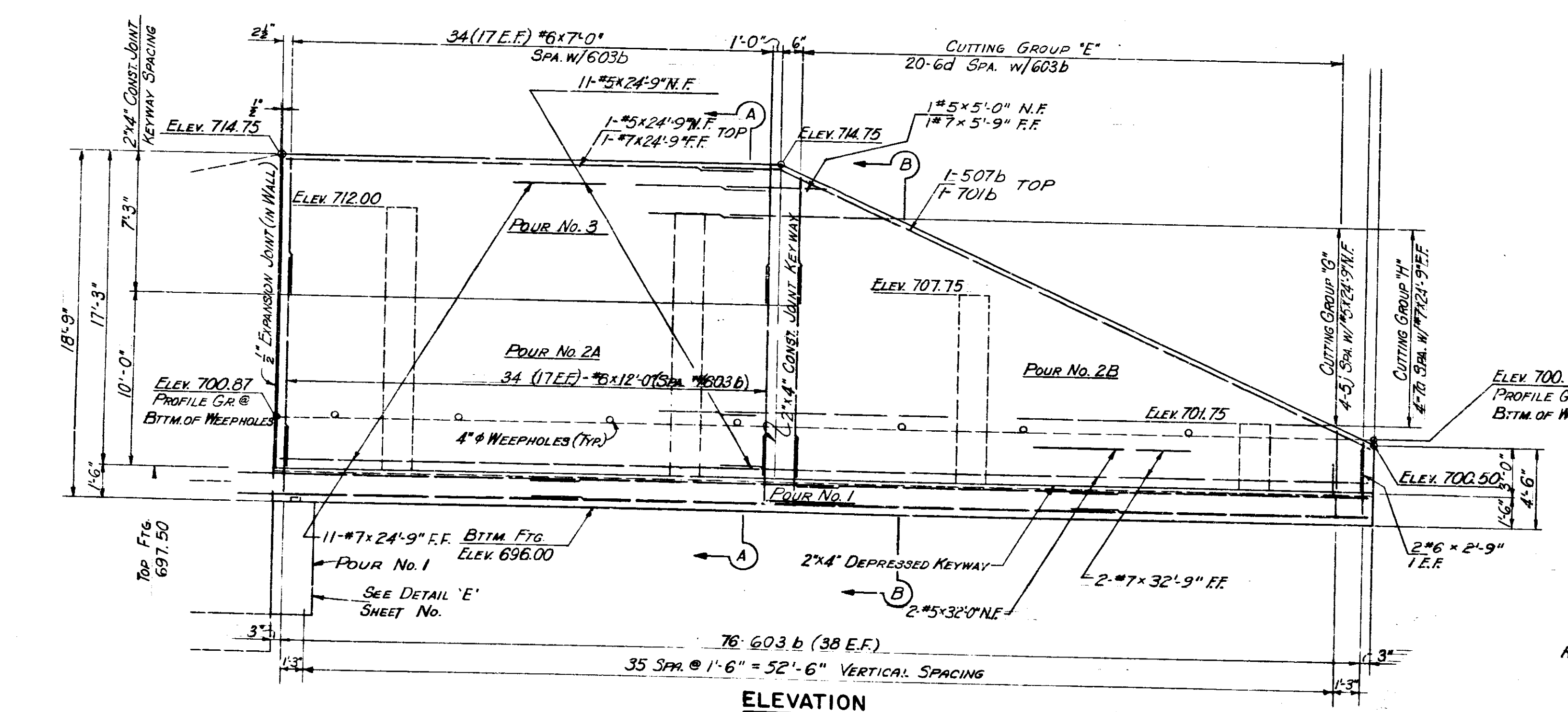
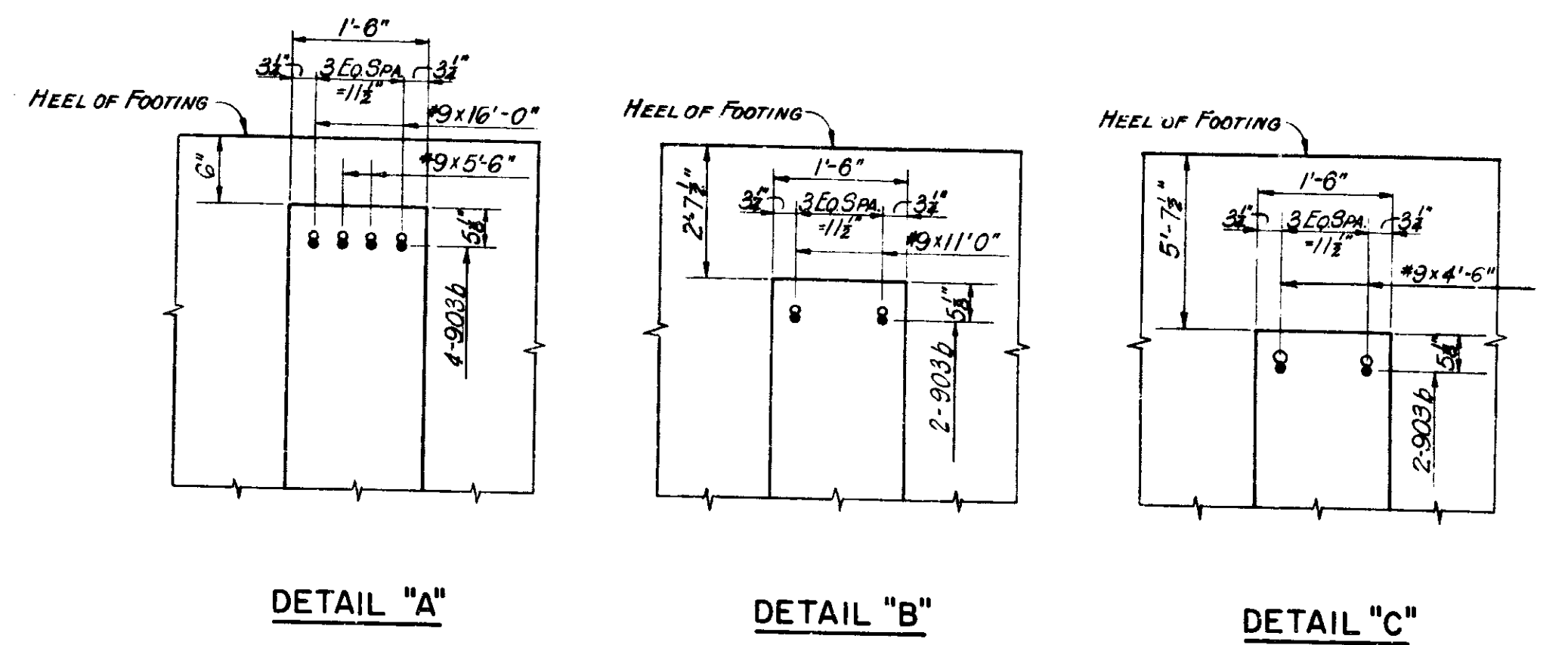
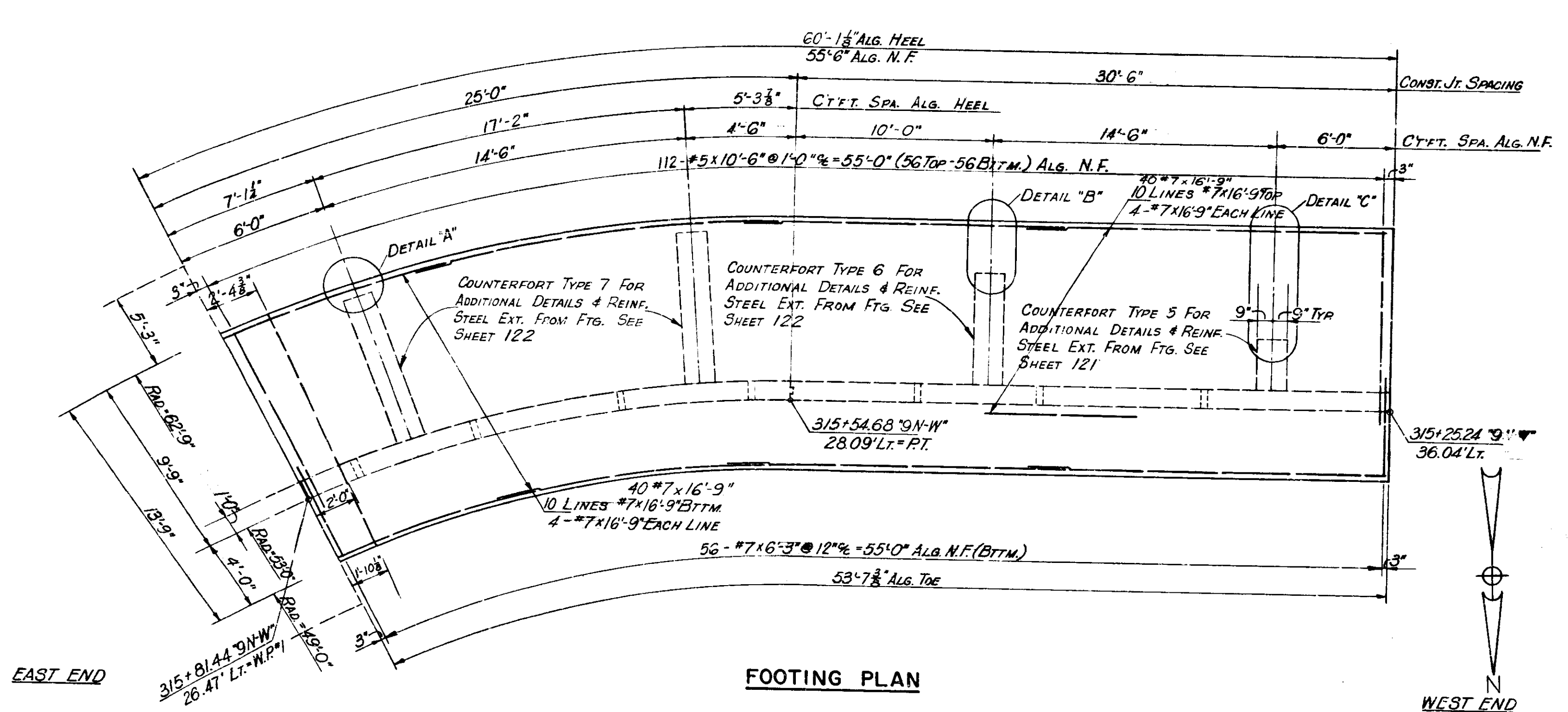
1971



DESIGNED: CKD
DRAWN: CKD
TRACED: CKD

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
1-70-3 (70) 77		123	237	

BRIDGES OVER 20' SPAN					
FYB ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (2) 77	197	124	237

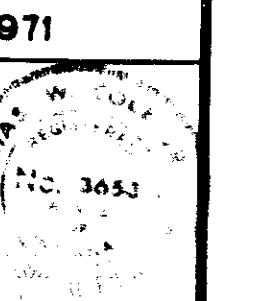


LEGEND:
 N.F. = NEAR FACE
 F.F. = FAR FACE
 E.F. = EACH FACE

NOTE:
 SEE SHEET NO. 117 FOR GEN. ARRANGEMENT OF RETAINING WALL 2.
 SEE SHEET NO. 28 FOR LOCATION OF RETAINING WALL 2.
 SEE SHEET NO. 121 FOR COUNTERFORT DETAILS.
 SEE SHEET NO. 123 FOR BAR DETAILS.
 SEE SHEET NO. 124 FOR BILL OF MATERIALS.

RETAINING WALL 2 SECTION 2 DETAILS
INDIANA STATE HIGHWAY COMMISSION

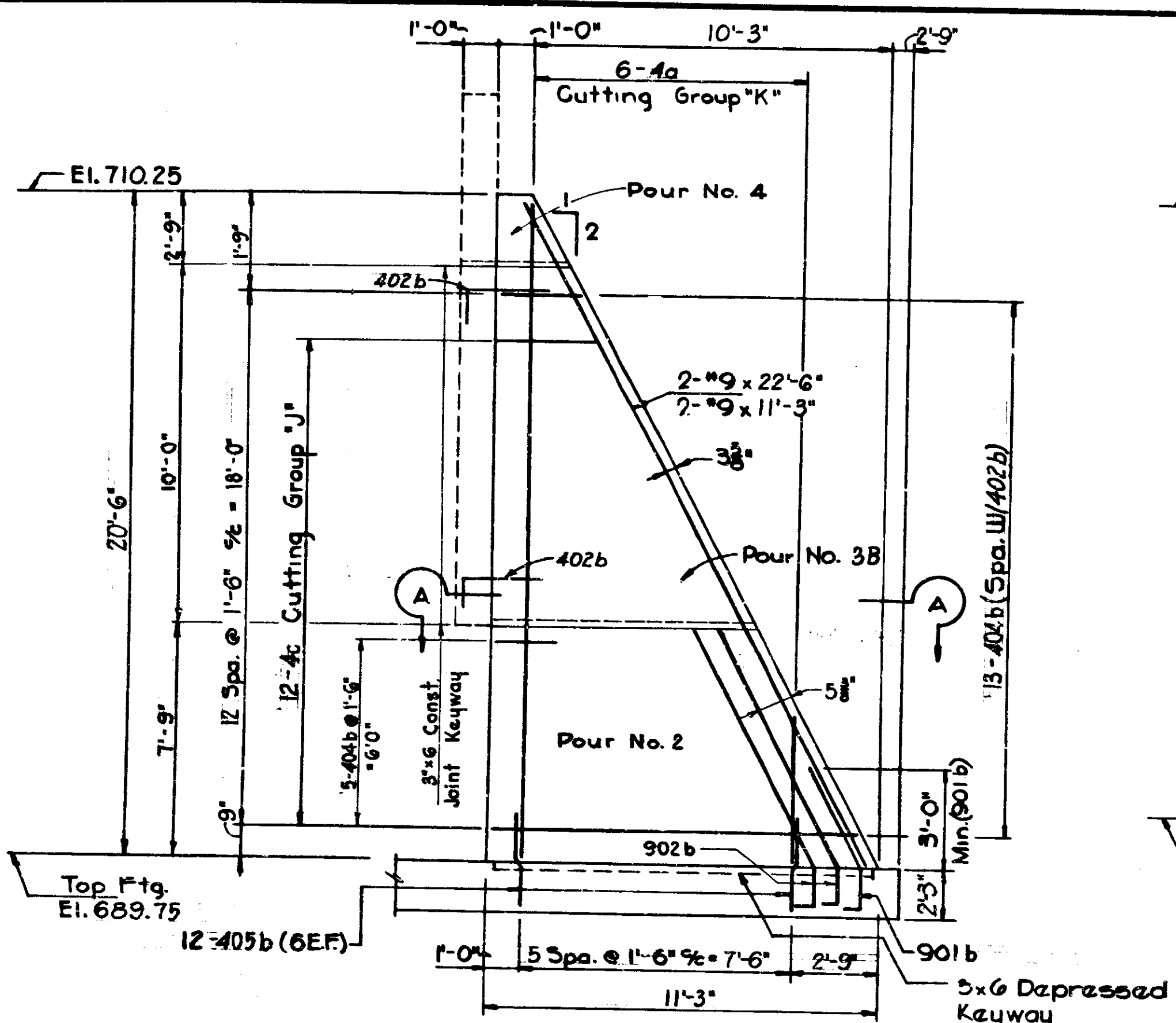
SCALE: NONE
 SUBMITTED FOR APPROVAL: [Signature] 3-21-71



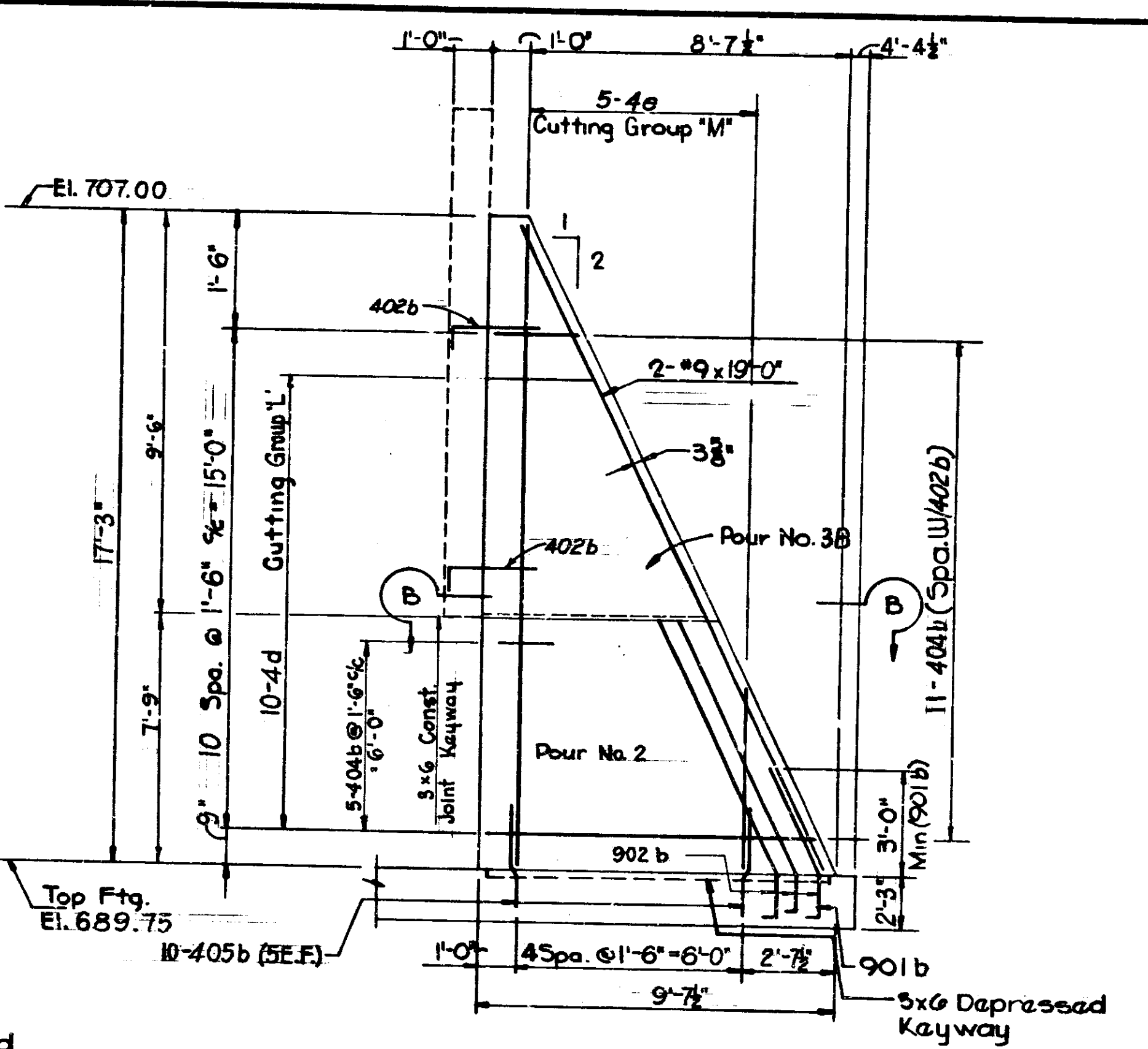
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3 (2) 77		124	237	

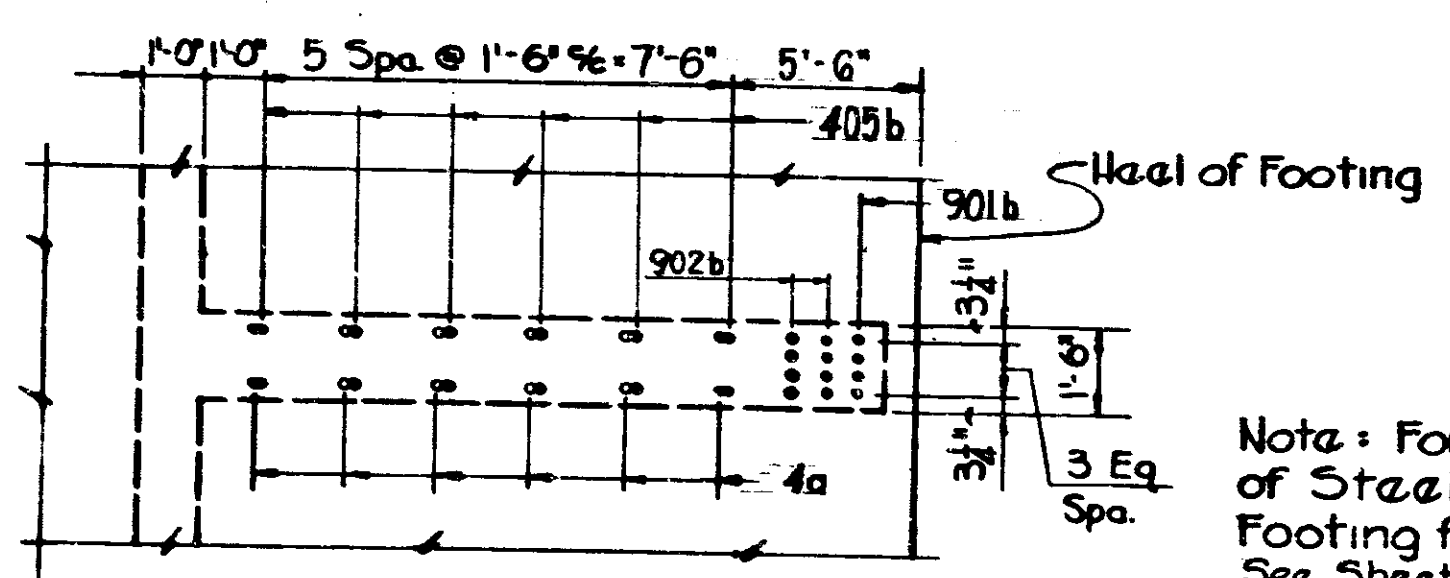
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	1-70-3 (B) 77	197	125 237



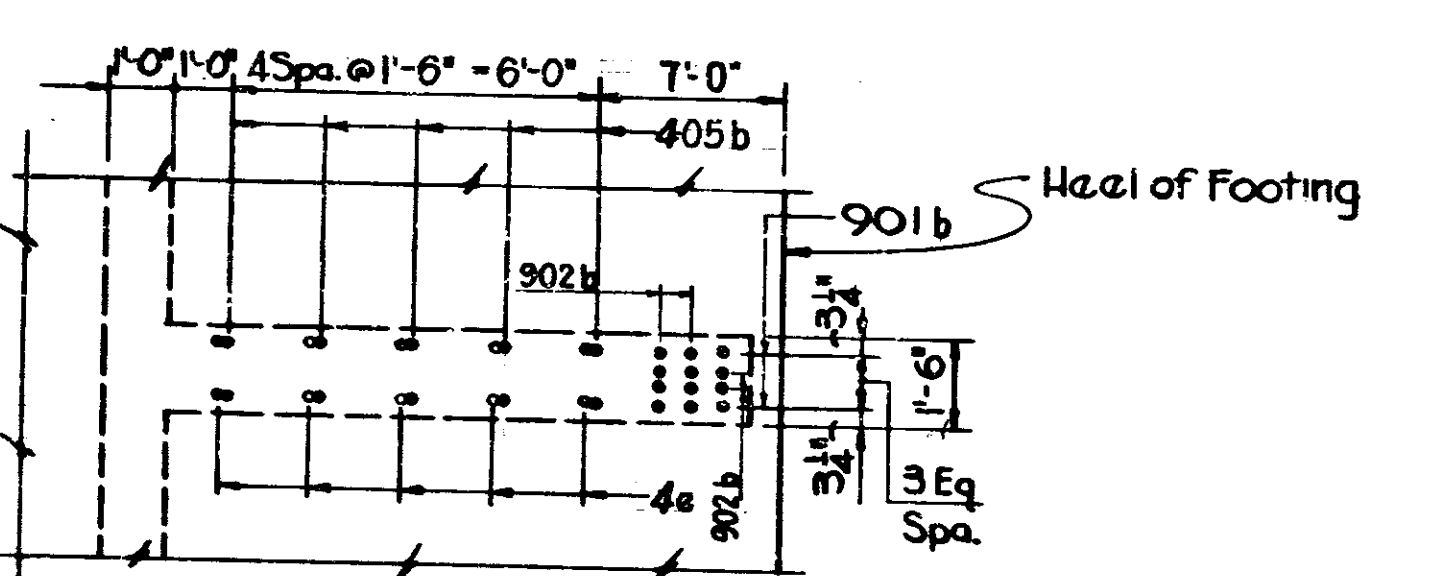
ELEVATION - COUNTERFORT TYPE-1



ELEVATION - COUNTERFORT TYPE-2



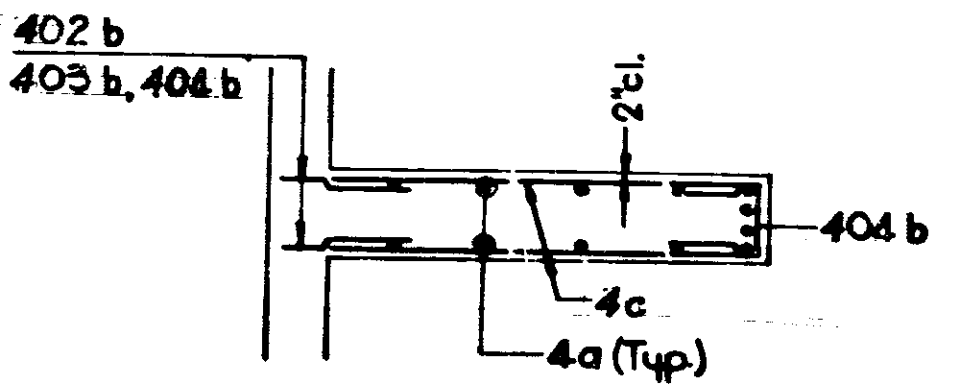
PART FOOTING PLAN - COUNTERFORT TYPE-1



PART FOOTING PLAN - COUNTERFORT TYPE-2

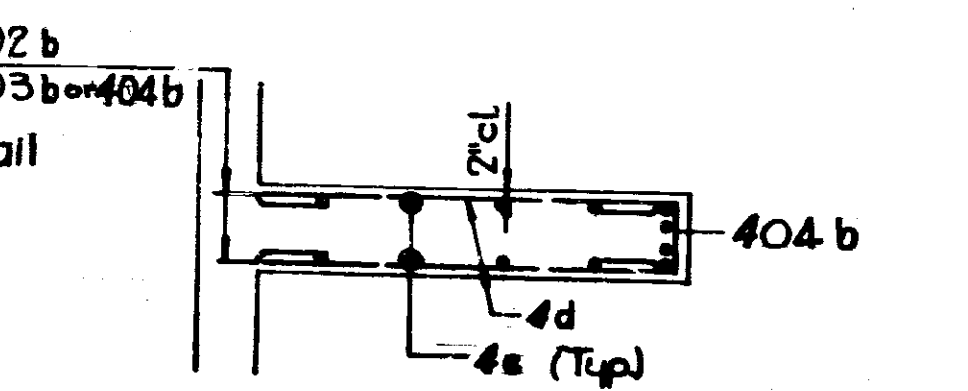
Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 1 See Sheet No. 118 Detail "D"

Note:
See Sheet No. 118 for Gen. Plan
See Sheet No. 123 for Reinf. Bar Diagrams
See Sheet No. 124 for Bill of Material



SECTION A-A

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 2 See Sheet No. 118 Detail "C"



SECTION B-B

COUNTERFORT DETAILS TYPES 1 & 2
INDIANA STATE HIGHWAY COMMISSION

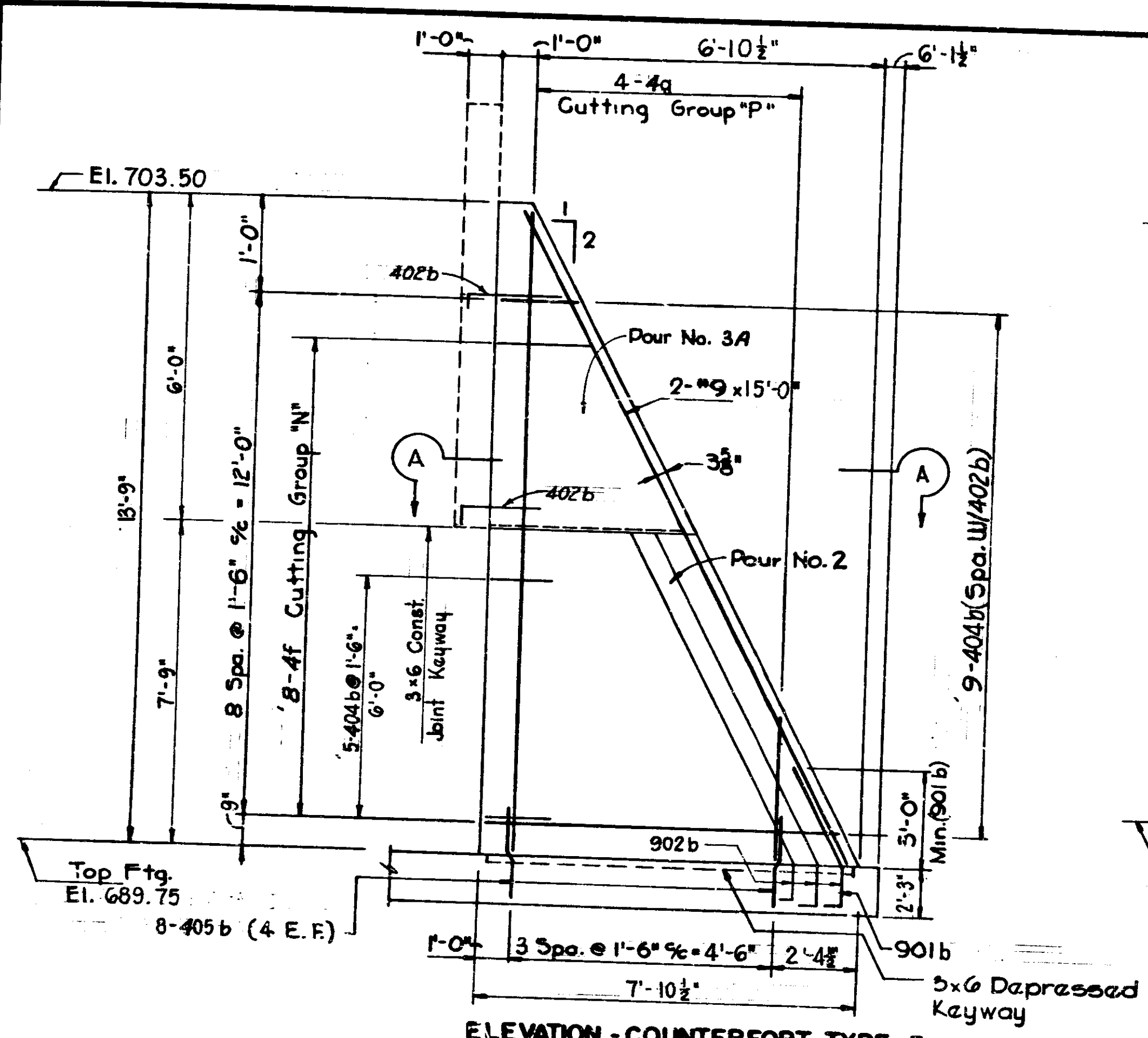
SCALE: NONE
SUBMITTED FOR APPROVAL: *Chastain*



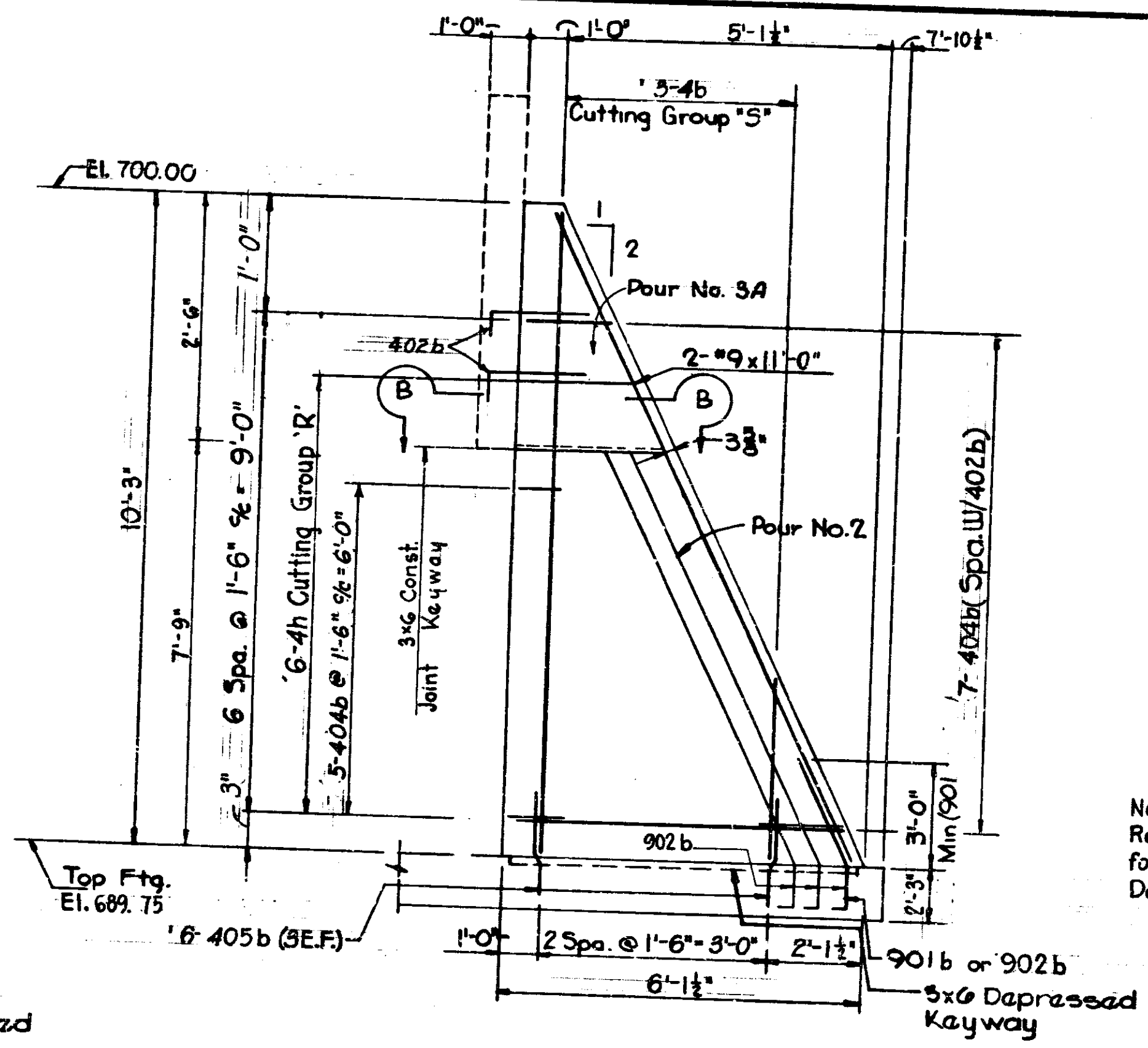
DESIGNED	CRD
DRAWN	CRD
TRACED	CRD

PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS
1-70-3 (B) 77	125	237	

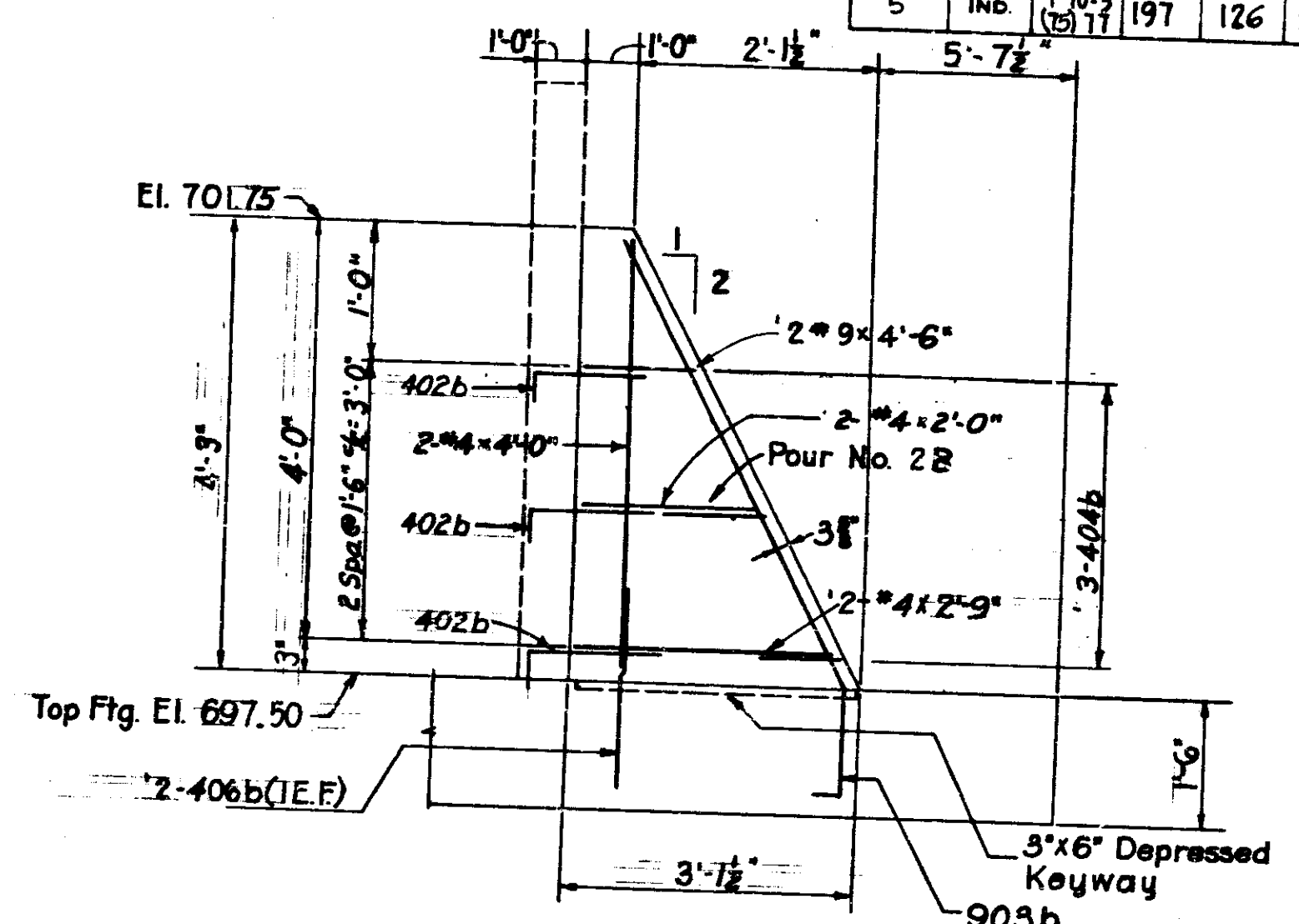
BRIDGES OVER 20' SPAN				
POST ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	1-70-3	197	126
				237



ELEVATION-COUNTERFORT TYPE-3

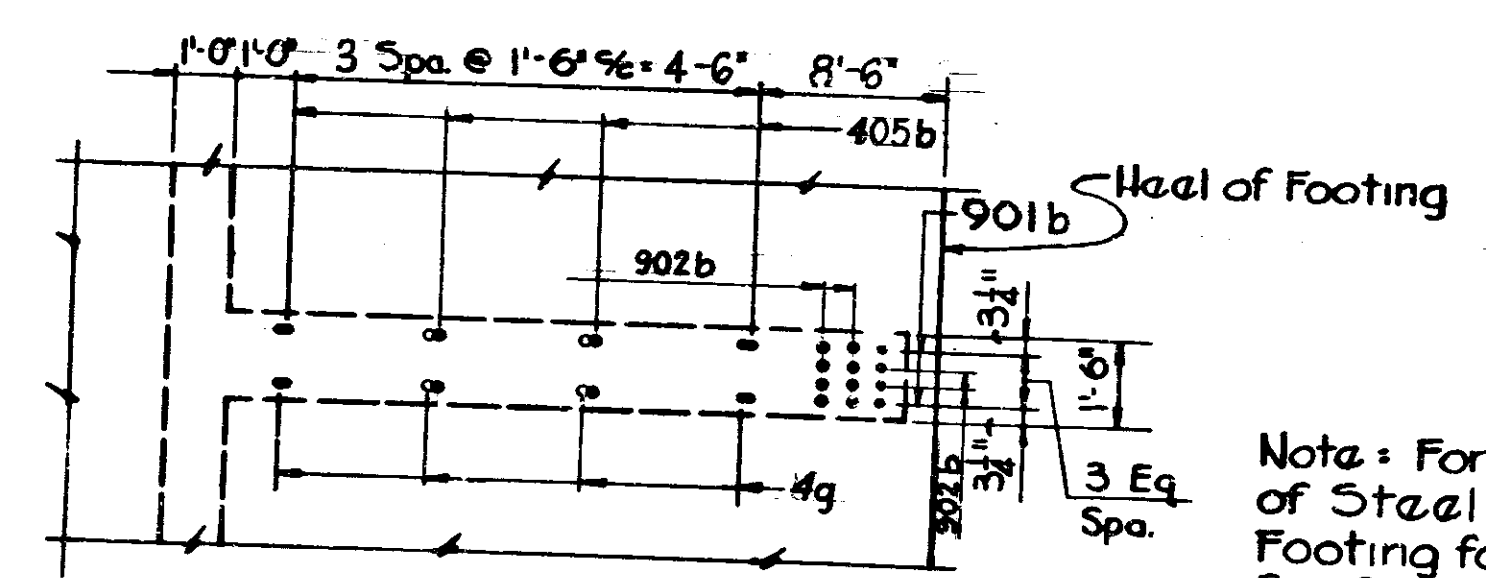


ELEVATION-COUNTERFORT TYPE-4

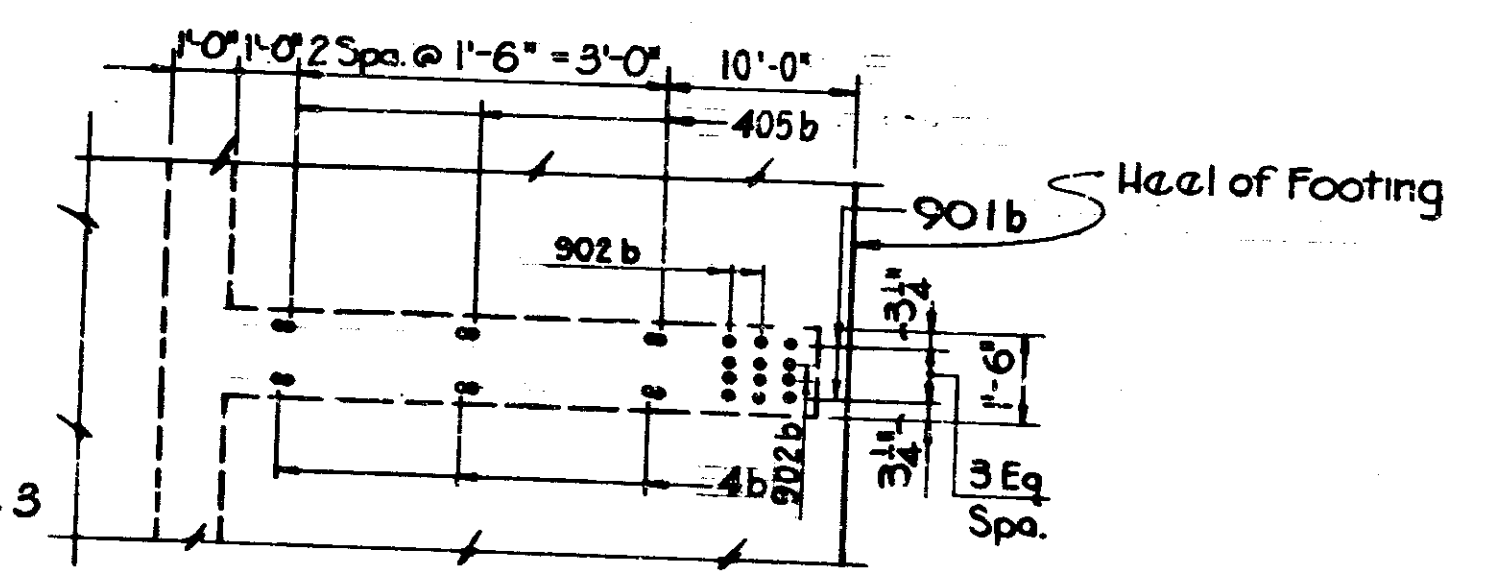


ELEVATION-COUNTERFORT TYPE 5

Note: For Additional Details of Reinf. Steel Extending from Footing for Counterfort Type 5 See Sheet No. 119 Detail "C"

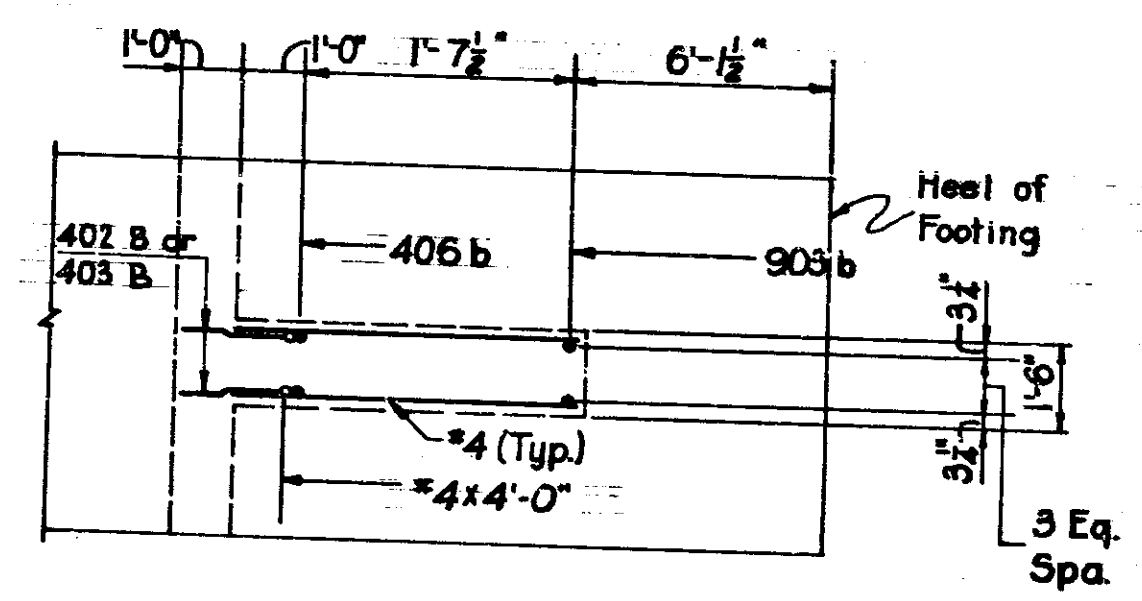


PART FOOTING PLAN-COUNTERFORT TYPE-3



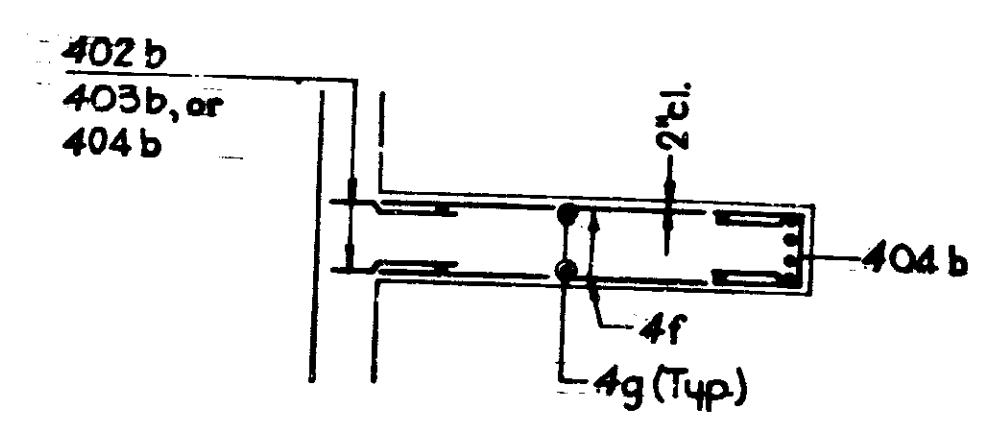
PART FOOTING PLAN-COUNTERFORT TYPE-4

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 3 See Sheet No. 118 Detail "B"



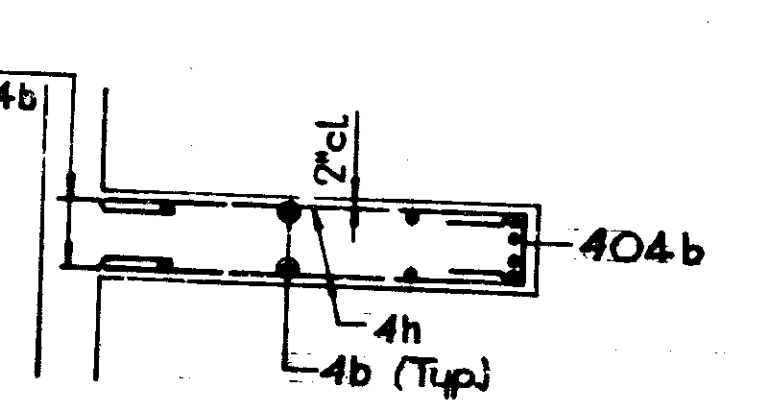
PART FOOTING PLAN-COUNTERFORT TYPE 5

Note:
See Sheet No. 118 & 119 for Gen. Plan
See Sheet No. 123 for Reinf. Bar Diagrams
See Sheet No. 124 for Bill of Material



SECTION A-A

Note: For Additional Detail of Steel Extending from Footing for Counterfort Type 4 See Sheet No. 118

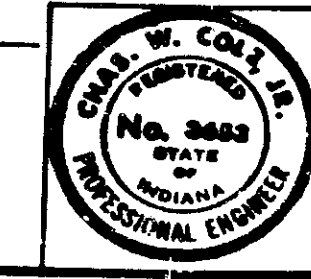


SECTION B-B

COUNTERFORT DETAILS TYPES 3, 4 & 5
INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE

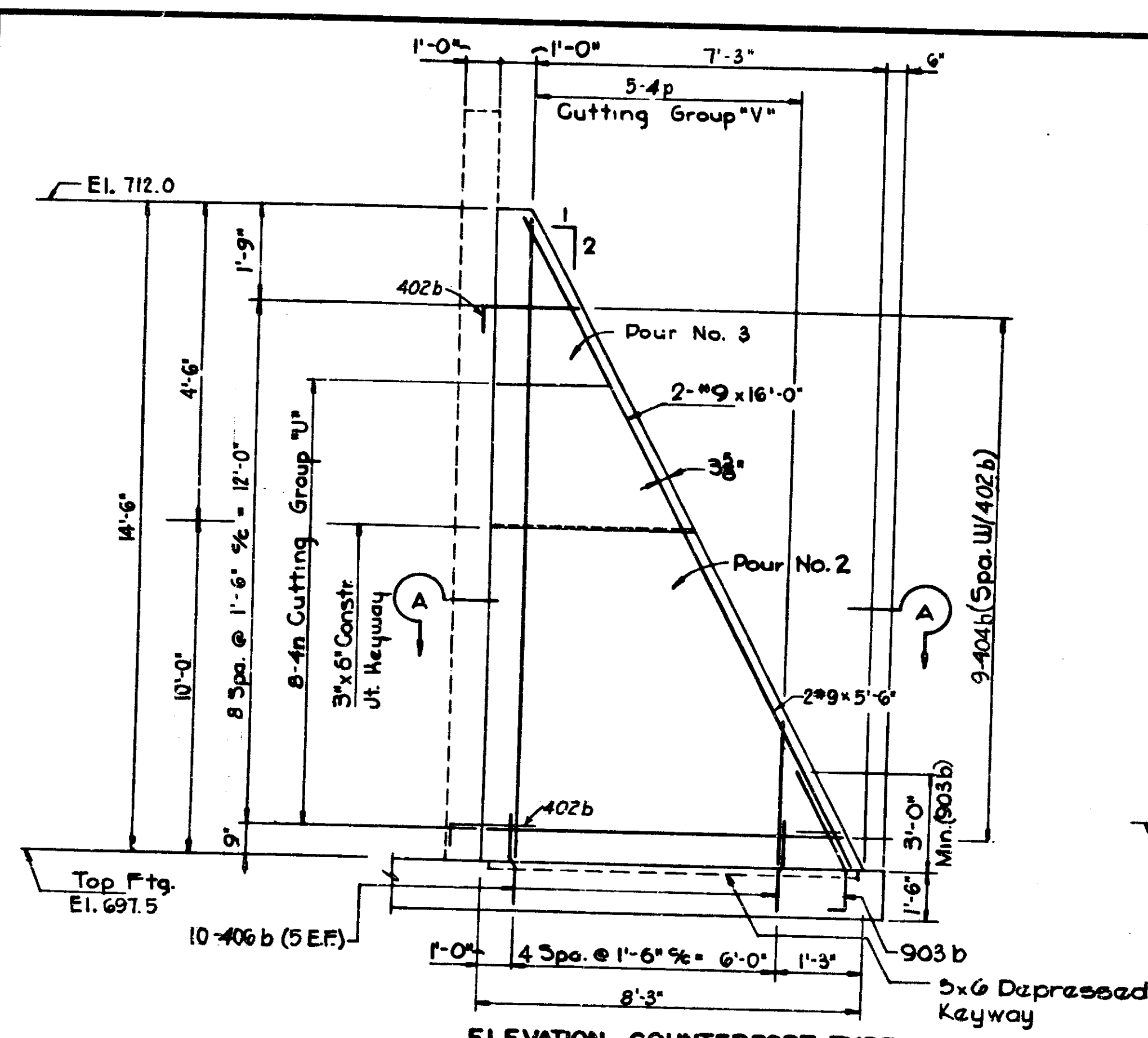
SUBMITTED FOR APPROVAL: *[Signature]*



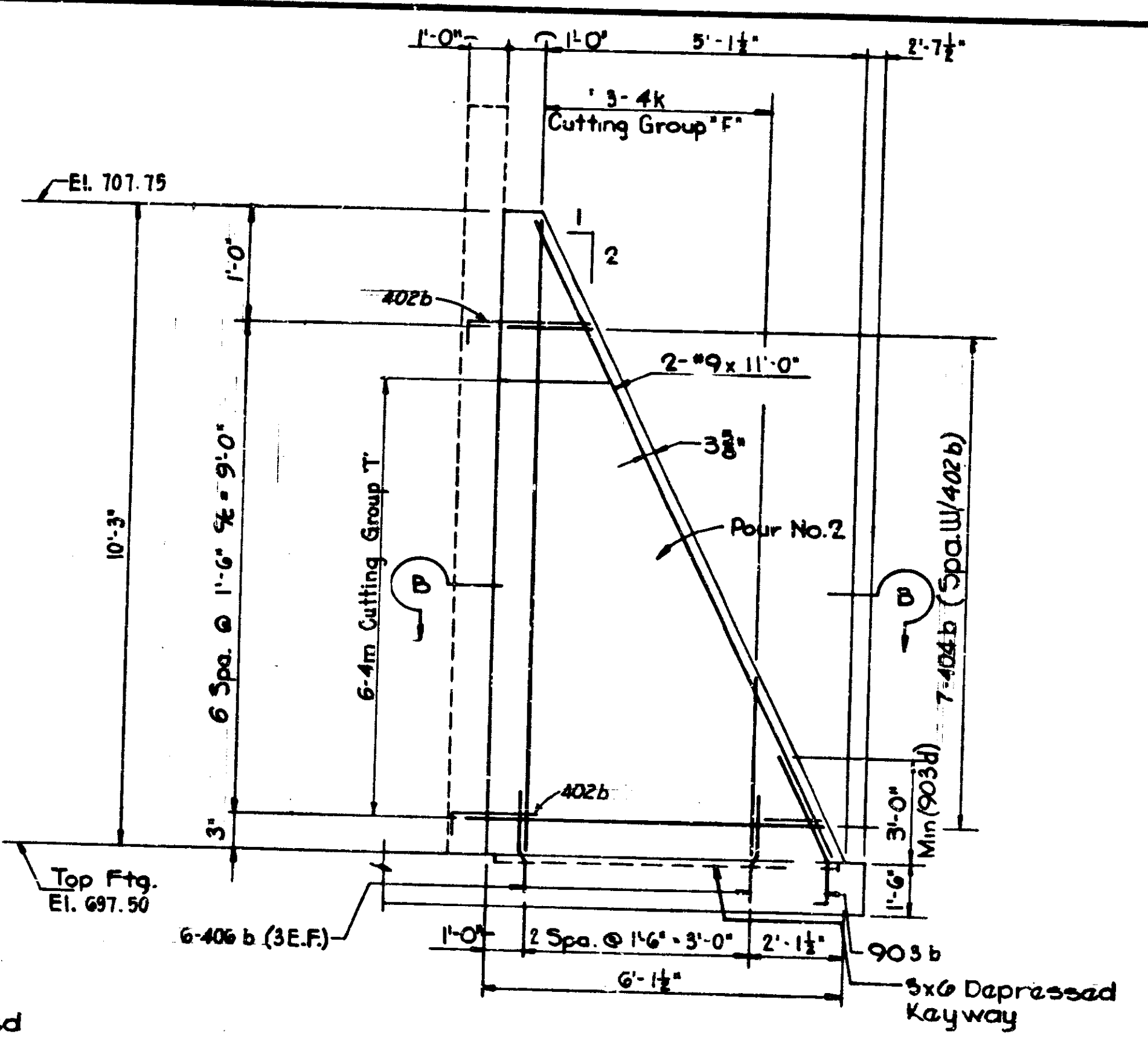
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-70-3 (70-77)		126	237

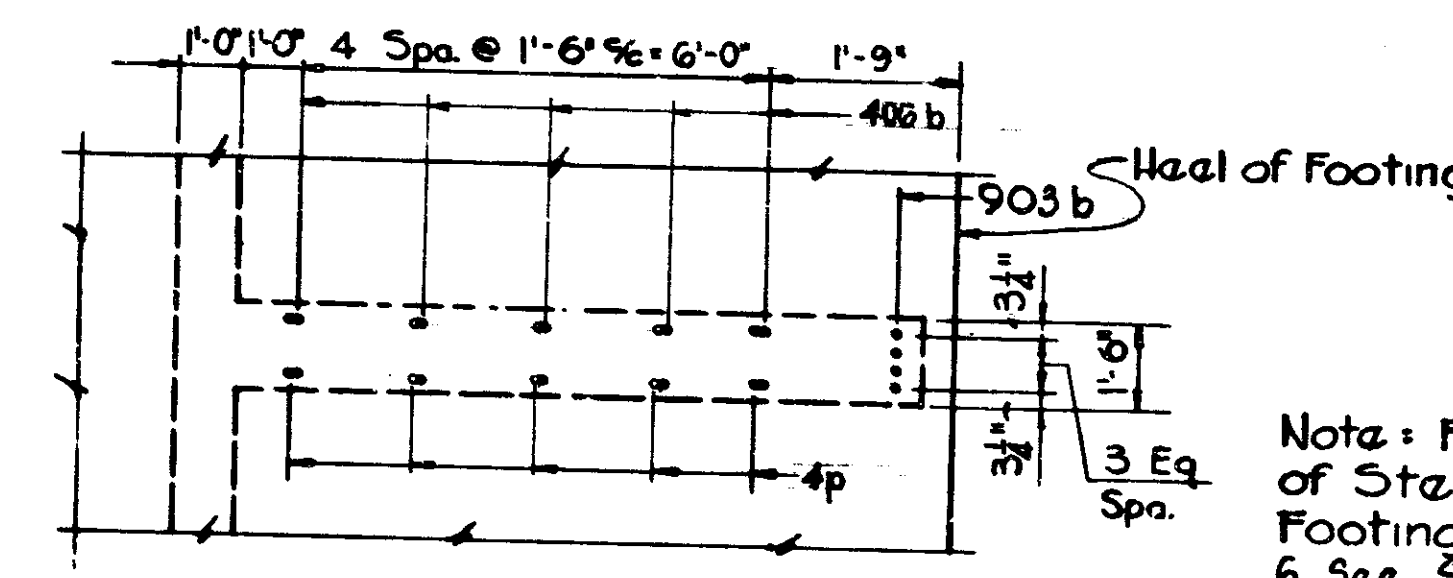
BRIDGES OVER 20' SPAN					
FILE NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (S) 77	197	127	237



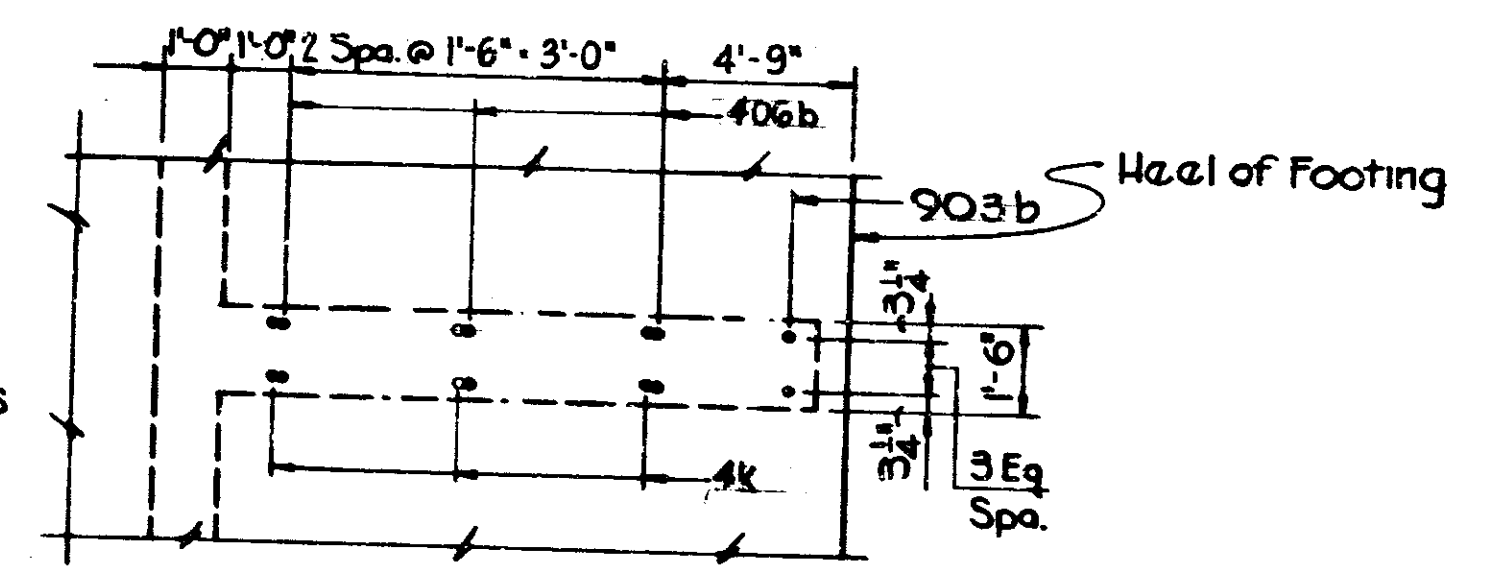
ELEVATION - COUNTERFORT TYPE- 7



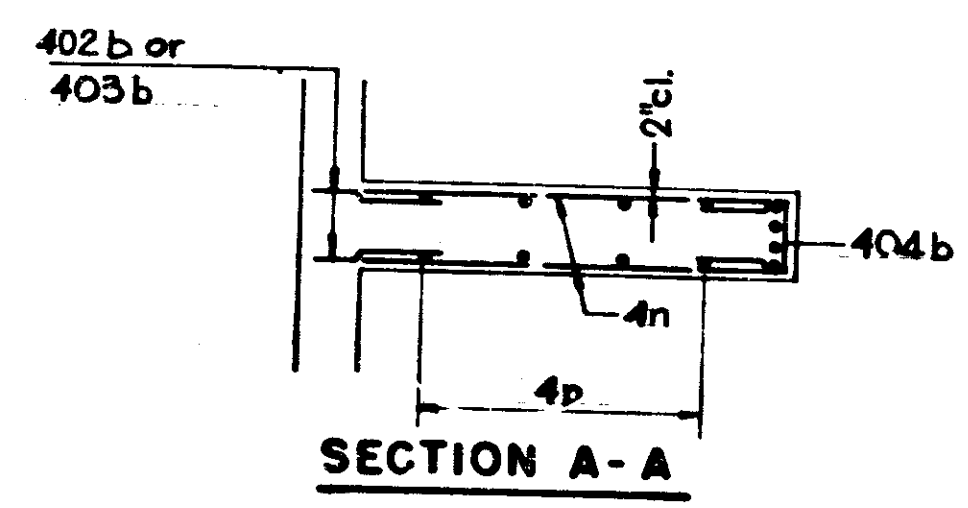
ELEVATION - COUNTERFORT TYPE- 6



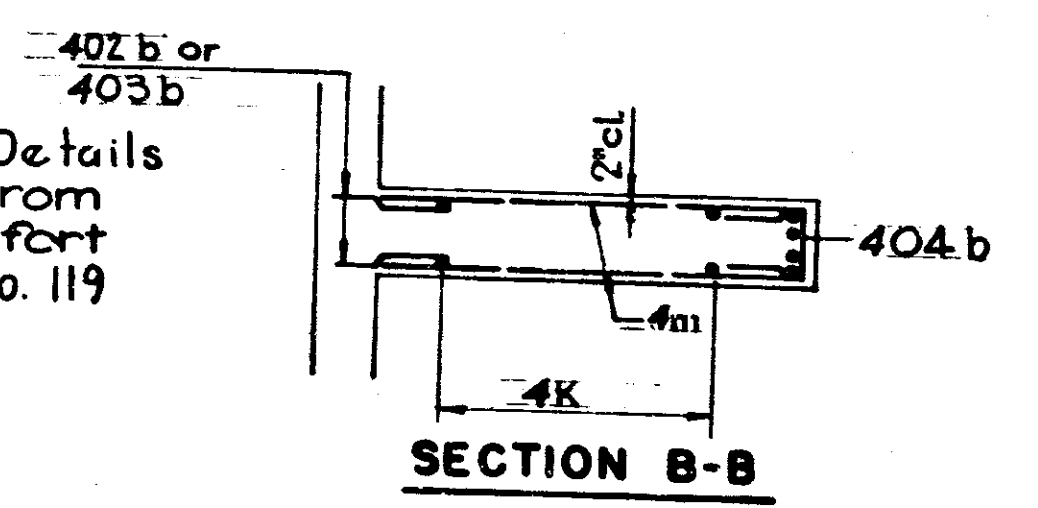
PART FOOTING PLAN - COUNTERFORT TYPE- 7



PART FOOTING PLAN - COUNTERFORT TYPE- 6



SECTION A-A



SECTION B-B

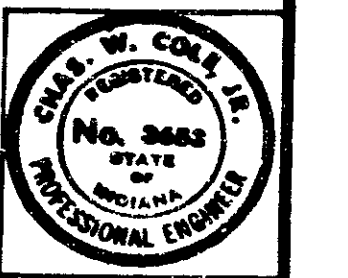
Note: For Addition Details of Steel Extending from Footing for Counterfort Type 6 See Sheet No. 119, Detail 'B'

Note: For Addition Details of Steel Extending from Footing for Counterfort Type 7 See Sheet No. 119 Detail 'A'

Note:
See Sheet No. 119 for Gen. Plan
See Sheet No. 123 for Reinf. Bar Diagrams
See Sheet No. 124 for Bill of Material

COUNTERFORT DETAILS TYPES 6 & 7
INDIANA STATE HIGHWAY COMMISSION

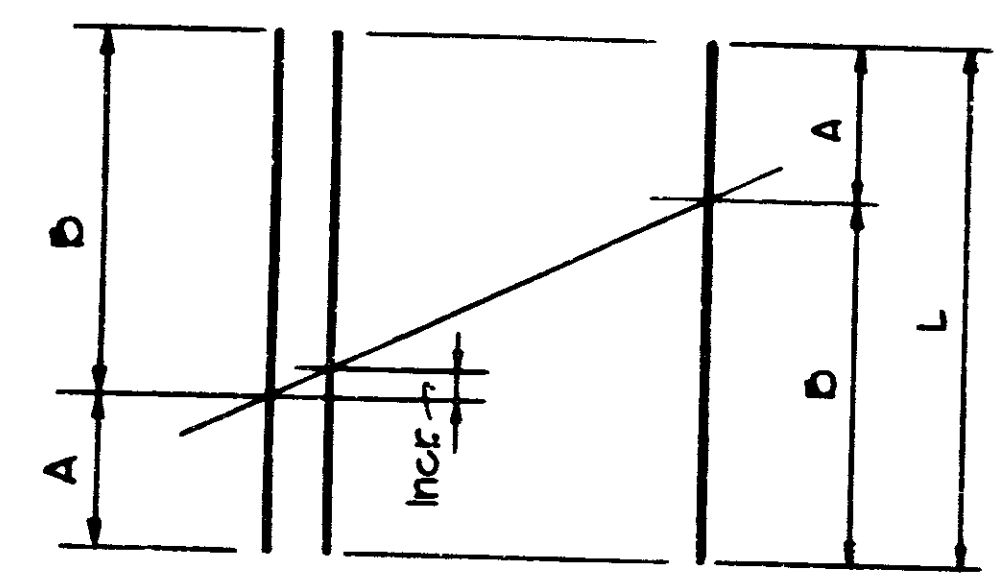
SCALE: NONE
SUBMITTED FOR APPROVAL: *[Signature]*



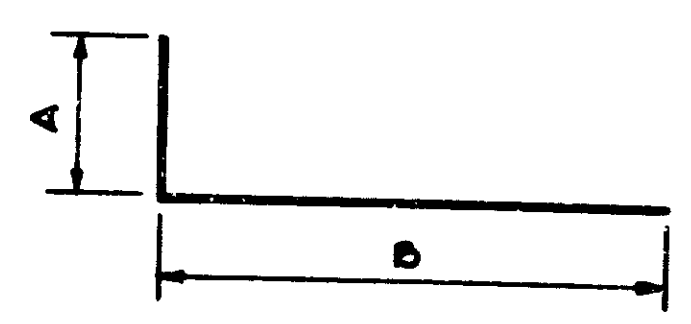
DESIGNED	CRD
DRAWN	CRD
TRACED	CRD

PROJECT NO.	LINE	SHEET	DATE	FILE
1-70-3 (S) 77		127	2/77	

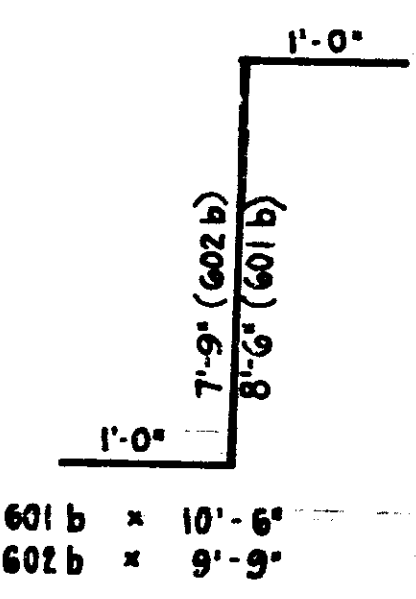
BRIDGES OVER 20' SPAN					
PAGE NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-1 (S17)	197	128	237



1 Bar Cuts 2 Lengths
TYPICAL CUTTING GROUP DIAGRAM FOR BARS ON 2 SIDES

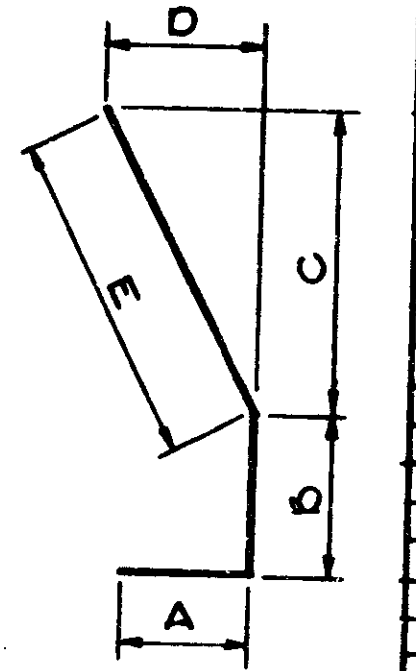


Mark or Size	Dimension		
	A	B	Length
402 b	10"	2'-2"	3'-0"
405 b	9"	3'-3"	4'-0"
406 b	9"	2'-6"	3'-3"
605 b	1'-0"	3'-3"	4'-3"

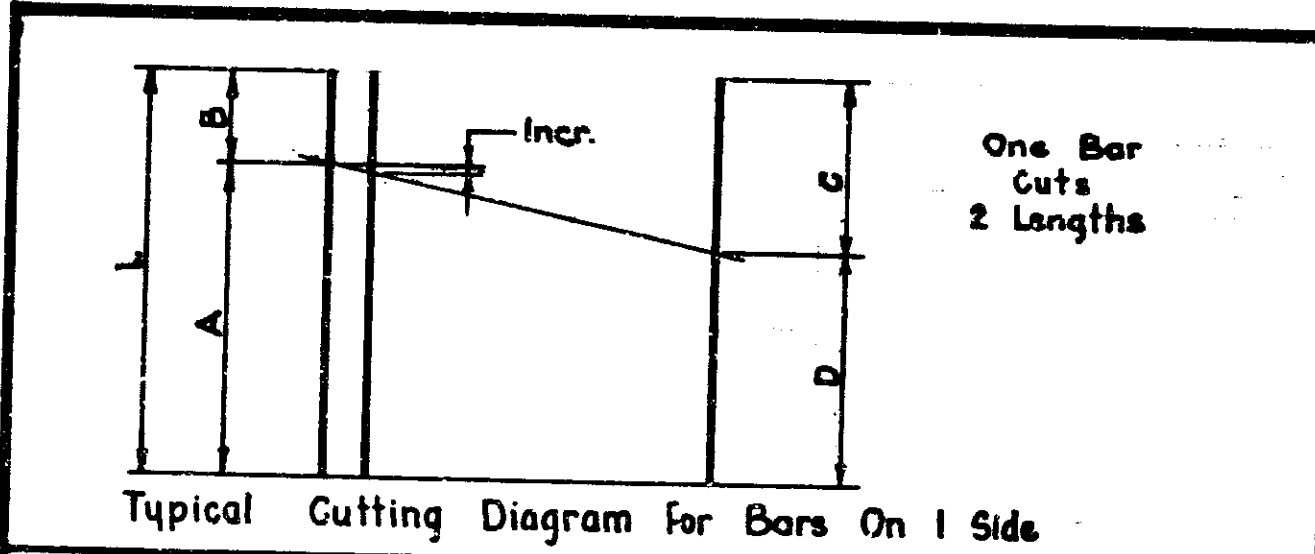


601 b x 10'-6"
 602 b x 9'-9"

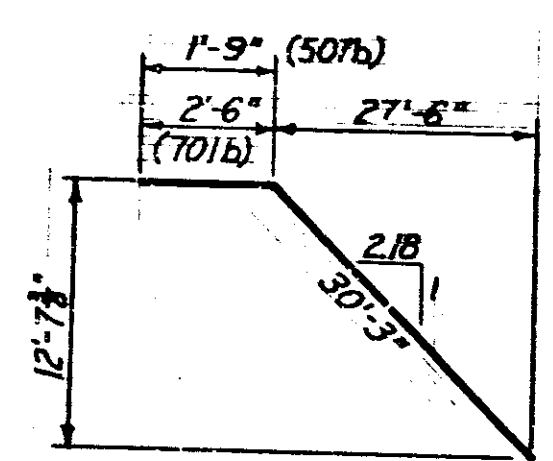
Cutting Group	Mark or Size	No. of Bars	A	D	Incr.	L
A	6a	36	4'-3"	16'-9"	4 1/2"	21'-0"
B	6b	4	8'-3"	25'-3"	6'-4"	31'-6"
C	6c	4	5'-3"	24'-8"	6'-4"	29'-9"
D	6d	20	3'-7"	16'-8"	8 1/2"	20'-3"
E	4k	3	4'-0"	10'-0"	3'-0"	14'-0"
F	4c	12	2'-4 1/2"	10'-7 1/2"	9"	13'-0"
G	4a	6	5'-3"	20'-3"	3'-0"	25'-6"
H	4d	10	2'-3"	9'-0"	3"	11'-3"
I	4e	5	3'-0"	17'-0"	3'-0"	22'-0"
J	4f	8	2'-0"	7'-9"	9"	9'-3"
K	4g	4	4'-6"	13'-6"	3'-0"	18'-0"
L	4h	6	2'-0"	5'-9"	3"	7'-9"
M	4b	3	4'-0"	10'-0"	3'-0"	14'-0"
N	4m	6	2'-0"	5'-5"	9"	7'-9"
O	4n	8	2'-4 1/2"	7'-7 1/2"	9"	10'-0"
P	4p	9	2'-3"	14'-3"	9"	16'-6"



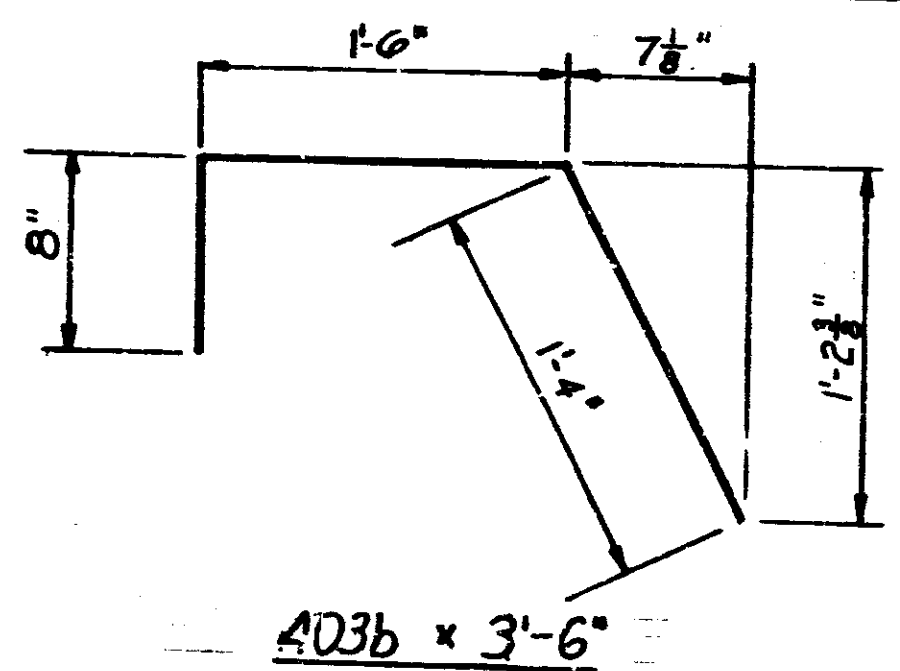
Mark or Size	Dimensions					Length
	A	B	C	D	E	
901b	1'-7"	1'-11"	3'-1 1/2"	1'-6 1/2"	3'-6"	7'-0"
902b	1'-7"	1'-11"	7'-10"	3'-11"	8'-9"	12'-5"
903b	1'-7"	1'-2"	3'-7 1/2"	1'-6 1/2"	3'-6"	6'-3"



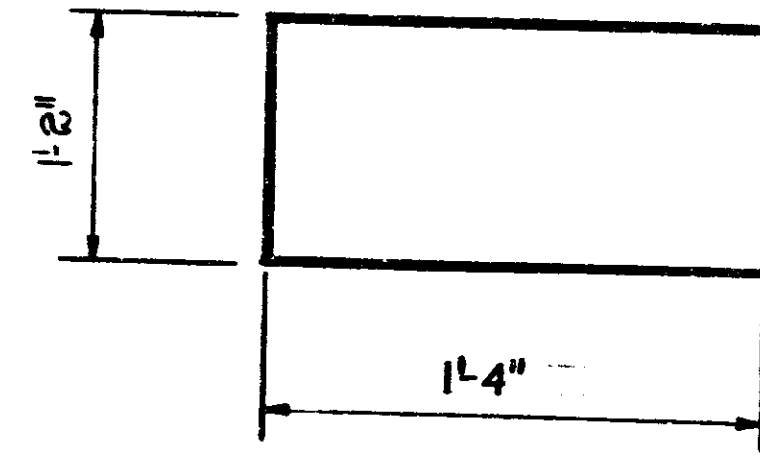
Cutting Group	Mark or Size	No. of Bars	Dimensions				Incr.	Length
			A	B	C	D		
G	5f	4	30'-6"	8'-0"	17'-7 1/2"	20'-10 1/2"	3'-2"	38'-6"
H	7a	4	31'-3"	8'-9"	18'-4 1/2"	21'-7 1/2"	3'-2"	40'-0"



507b x 32'-0"
 701b x 32'-9"



403b x 3'-6"

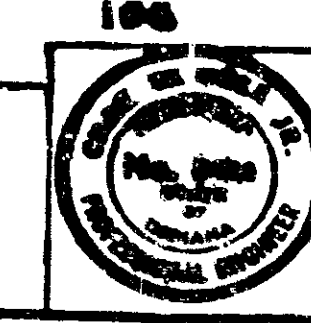


404b x 3'-10"

**RETAINING WALL 2
 BAR DETAILS
 INDIANA STATE HIGHWAY COMMISSION**

SCALE: NONE

SUBMITTED FOR APPROVAL: *[Signature]*



DESIGNED	CWB
DRAWN	CWB
TRACED	CWB

PROJECT NO.	SHEET NO.	TOTAL SHEETS
1-70-1 (S17)	128	237

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	1-70-3 (75) 11	1971	237

BILLS OF MATERIAL

SECTION 1 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
*901b	10	7'-0"	
*902b	38	12'-3"	
*9	58	8'-0"	
*9	2	11'-0"	
*9	2	11'-5"	
*9	2	15'-0"	
*9	2	19'-0"	
*9	2	22'-6"	
Total #9 Bars			3,934
Ø	164	19'-3"	
Total #8 Bars			7,991
601b	11	10'-6"	
602b	15	9'-9"	
6a	36	21'-0"	
6b	4	31'-6"	
6c	4	29'-9"	
6	2	4'-0"	
6	1	14'-9"	
6	2	17'-0"	
6	23	18'-6"	
6	1	21'-3"	
6	1	27'-9"	
6	27	28'-6"	
6	4	29'-3"	
Total #6 Bars			5,832
402b	40	3'-0"	
403b	8	3'-6"	
404b	60	3'-10"	
405b	36	4'-0"	
4a	6	25'-6"	
4b	3	14'-0"	
4c	12	13'-0"	
4d	10	11'-3"	
4e	5	22'-0"	
4f	8	9'-3"	
4g	4	18'-0"	
4h	6	7'-9"	
4	8	13'-3"	
Total #4 Bars			930
Total Reinforcing Steel			18,687 lbs.
Concrete			
Pour No. 1 (Footings)			95.8
Pour No. 2			18.0
Pour No. 3A			9.9
Pour No. 3B			13.8
Pour No. 4			4.3
Total Class 'A' Conc. For Ret. Walls			141.8 Cys.
Miscellaneous			
Foundation Excavation			814 Cys.
'B' Borrow			991 Cys.
Paved Side Ditch, Type 'A'			63 L.F.

SECTION 2 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight
*903b	12	6'-3"	
*9	2	4'-6"	
*9	4	5'-6"	
*9	2	11'-0"	
*9	2	16'-0"	
Total #9 Bars			544
701b	1	32'-9"	
7a	4	40'-0"	
7	1	5'-9"	
7	56	6'-3"	
7	80	16'-9"	
7	12	24'-9"	
7	2	32'-9"	
Total #7 Bars			4,601
603b	76	4'-3"	
6d	20	20'-3"	
6	2	2'-9"	
6	34	7'-0"	
6	34	12'-0"	
Total #6 Bars			2,072
507b	1	32'-0"	
5j	4	38'-6"	
5	1	5'-0"	
5	112	10'-6"	
5	12	24'-9"	
5	2	32'-0"	
Total #5 Bars			1,803
402b	56	3'-0"	
403b	8	3'-6"	
404b	28	3'-10"	
406b	28	3'-3"	
4k	3	14'-0"	
4m	6	7'-9"	
4n	16	10'-0"	
4p	10	16'-6"	
4	2	2'-0"	
4	2	2'-9"	
4	2	4'-0"	
Total #4 Bars			551
Total Reinforcing Steel			9,571
Concrete			
Pour No. 1 (Footings)			43.4
Pour No. 2A			15.7
Pour No. 2B			14.0
Pour No. 3			7.8
Total Class 'A' Conc. For Ret. Walls			80.9 Cys.
Miscellaneous			
Foundation Excavation			160 Cys.
'B' Borrow			387 Cys.
Paved Side Ditch, Type 'A'			63 L.F.

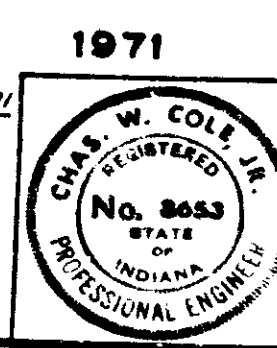
SUMMARY	
Reinforcing Steel	29,258 lbs.
Class 'A' Concrete for Retaining Walls	222.7 Cys.
Foundation Excavation	974.0 Cys.
'B' Borrow	1,378 Cys.
Paved Side Ditch, Type 'A'	126 L.F.

GENERAL NOTES

1. Reinforcing steel coverings shall be 3" in footing except bottom steel which shall be 4". Covering shall be 2" in all other parts unless otherwise noted.
2. Concrete in footings, walls, and counterforts to be Class 'A'.
3. Chamfer exposed edges 1" unless otherwise noted.
4. Weephole to be placed at 10'-0" % maximum and two (2) each are required between each counterfort.
5. Drains are to be 4" plus or minus in diameter. See Bridge Standard C1. Cost of drain material to be included in cost of concrete.

RETAINING WALL 2 BILLS OF MATERIAL
INDIANA STATE HIGHWAY COMMISSION

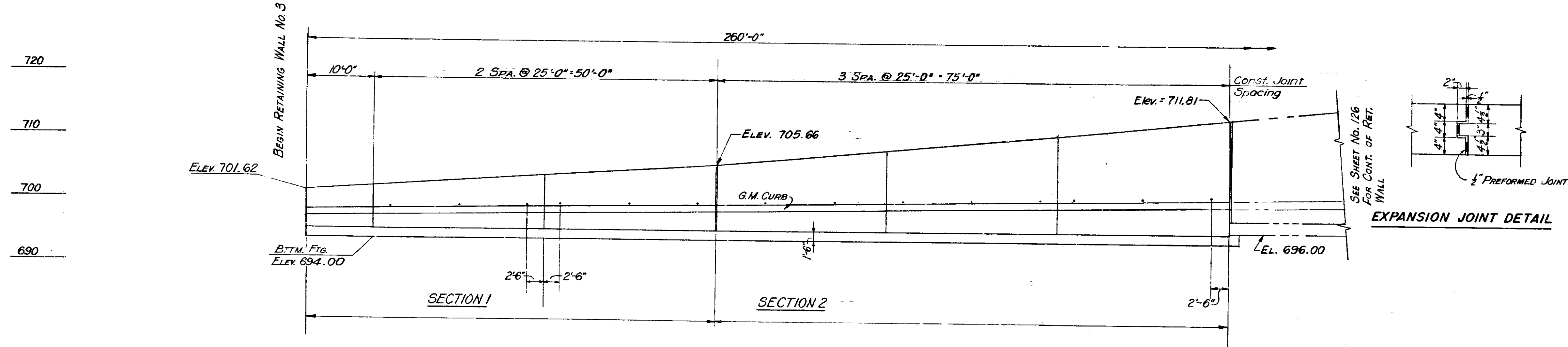
SCALE:-
SUBMITTED FOR APPROVAL: *Chamberlain* 3-27-71



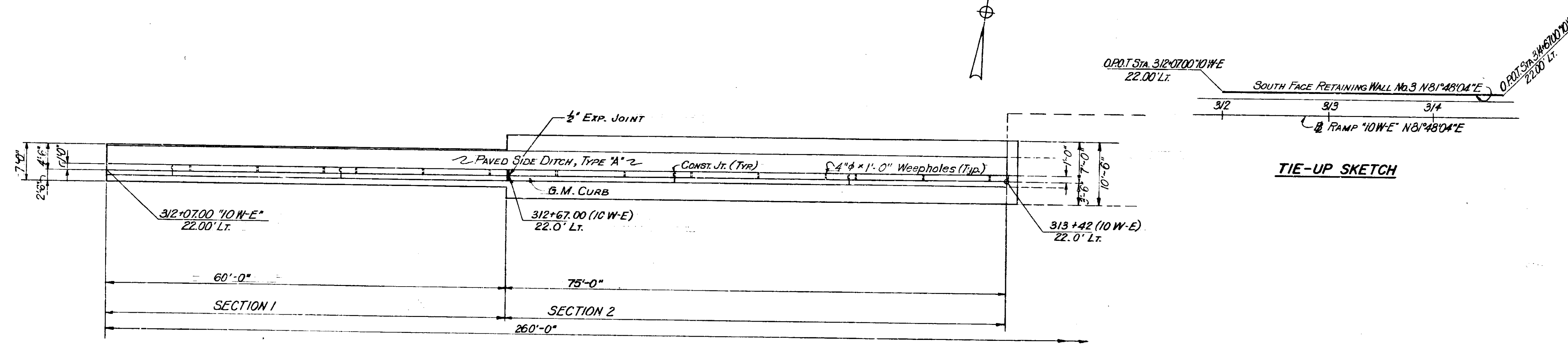
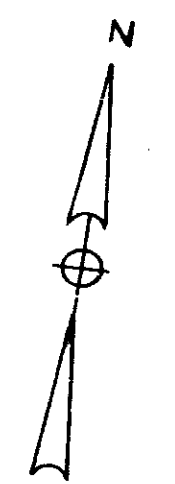
DESIGNED: E.J.C. CKD
DRAWN: E.J.C. CKD
TRACED: CKD

PROJECT NO.	LINE	SHEET	DATE	FILE
1-70-3 (9) 17		122	2-23	

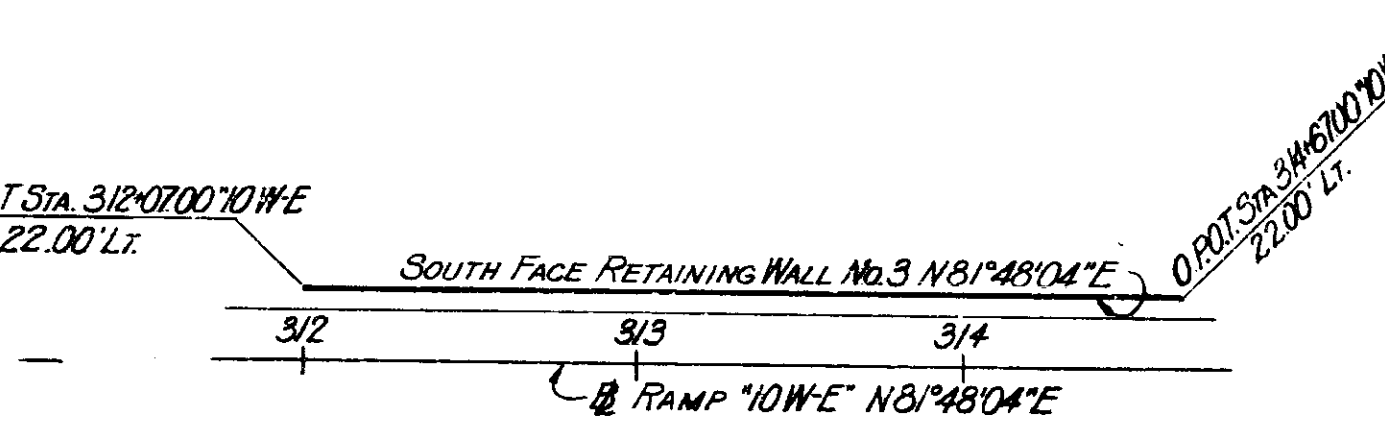
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	L-70-3 (B) 11	1971	130	237



PART ELEVATION



PART PLAN

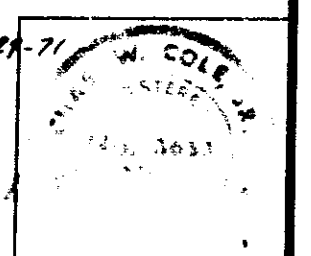


TIE-UP SKETCH

**RETAINING WALL 3
GENERAL ARRANGEMENT
INDIANA STATE HIGHWAY COMMISSION**

SCALE: NONE
SUBMITTED FOR APPROVAL

Charles J. [Signature] 1971

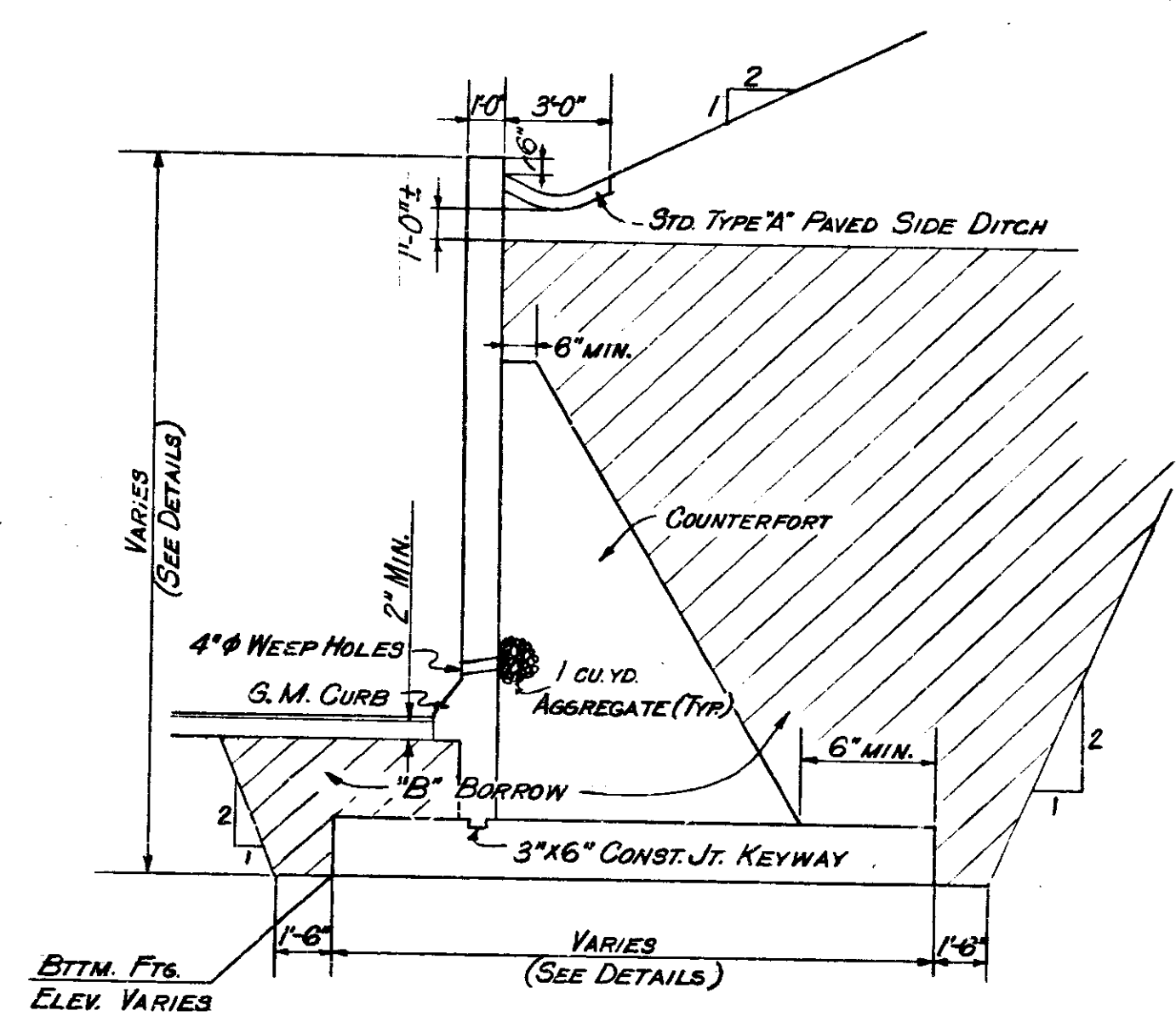
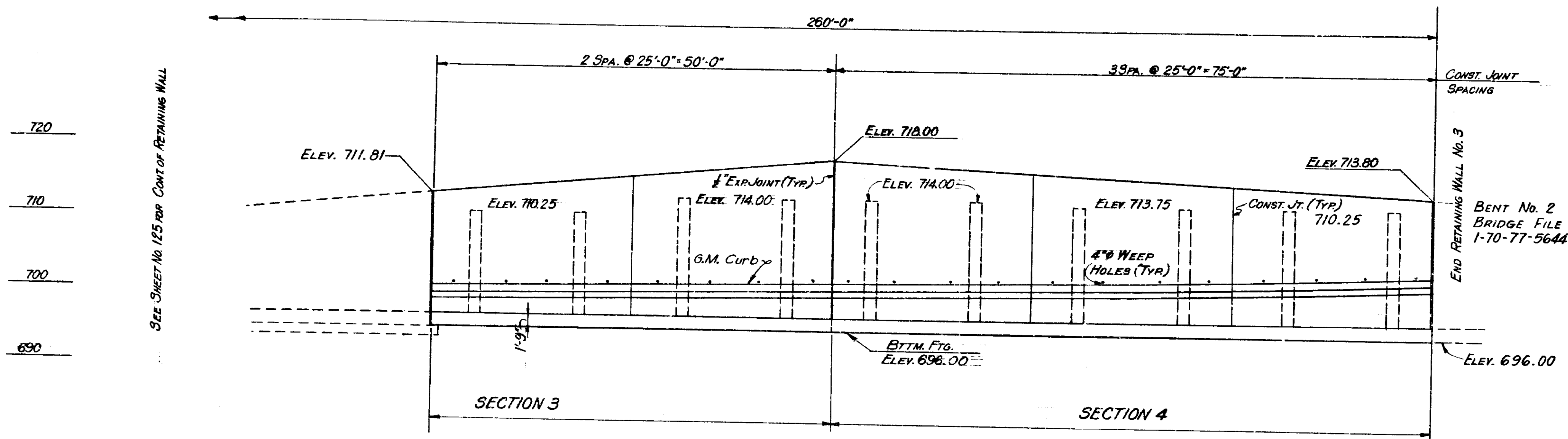


DESIGNED	C.K.D.
DRAWN	C.K.D.
TRACED	C.K.D.

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
L-70-3(B) 11		130	237	

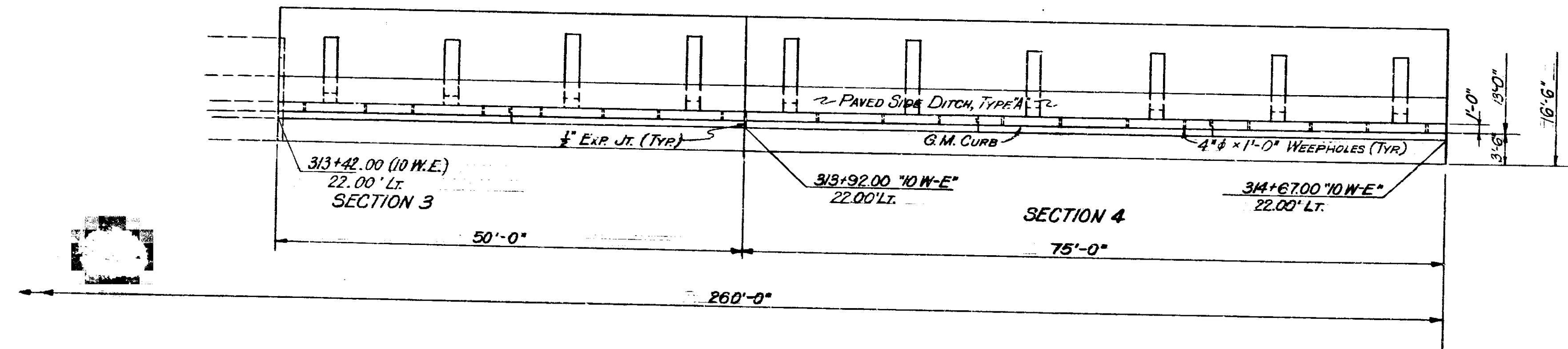
BRIDGES OVER 20' SPAN					
PUB. ROAD RES. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (B) 17	197	131	237

SEE SHEET No. 125 FOR CONT. OF RETAINING WALL



PART ELEVATION

TYPICAL SECTION



PART PLAN

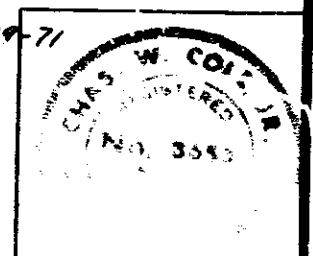
**RETAINING WALL 3
GENERAL ARRANGEMENT
INDIANA STATE HIGHWAY COMMISSION**

SCALE: - NONE
SUBMITTED FOR APPROVAL

[Signature] 3-29-71

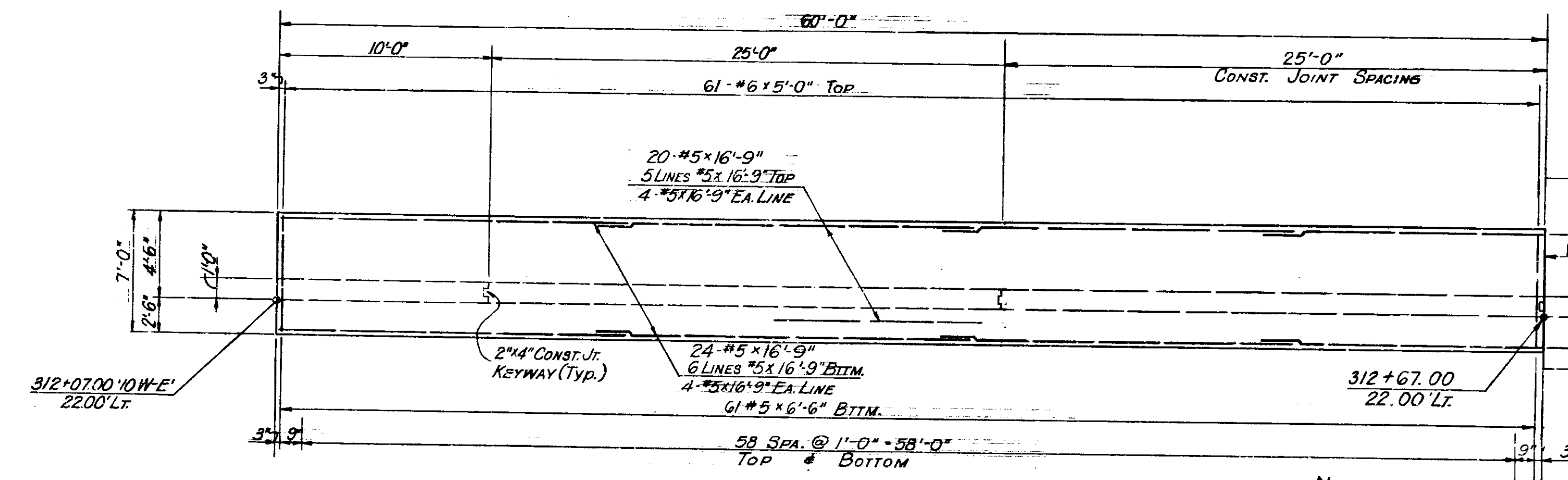
1971

DESIGNED	C.K.D.
DRAWN	C.K.D.
TRACED	C.K.D.

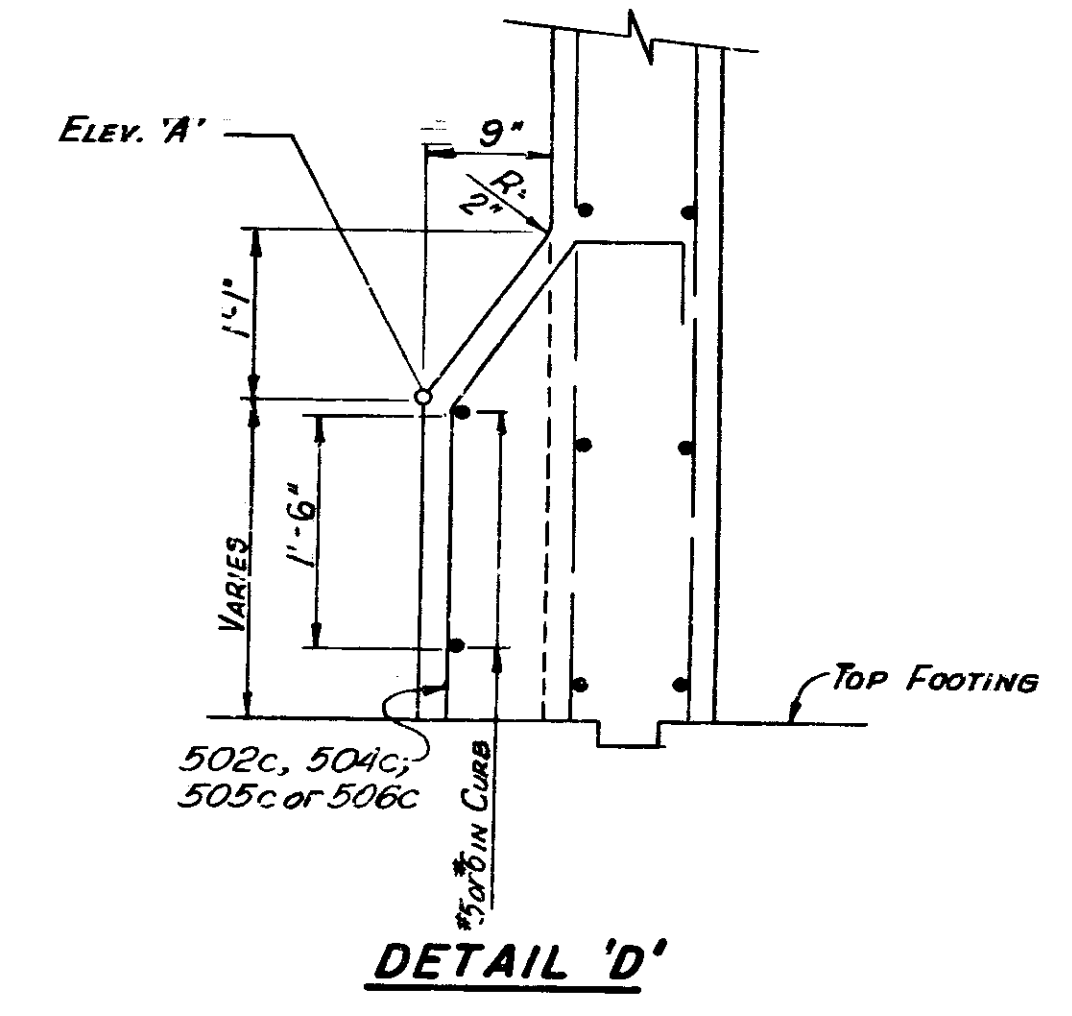


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(6)77		131	237	

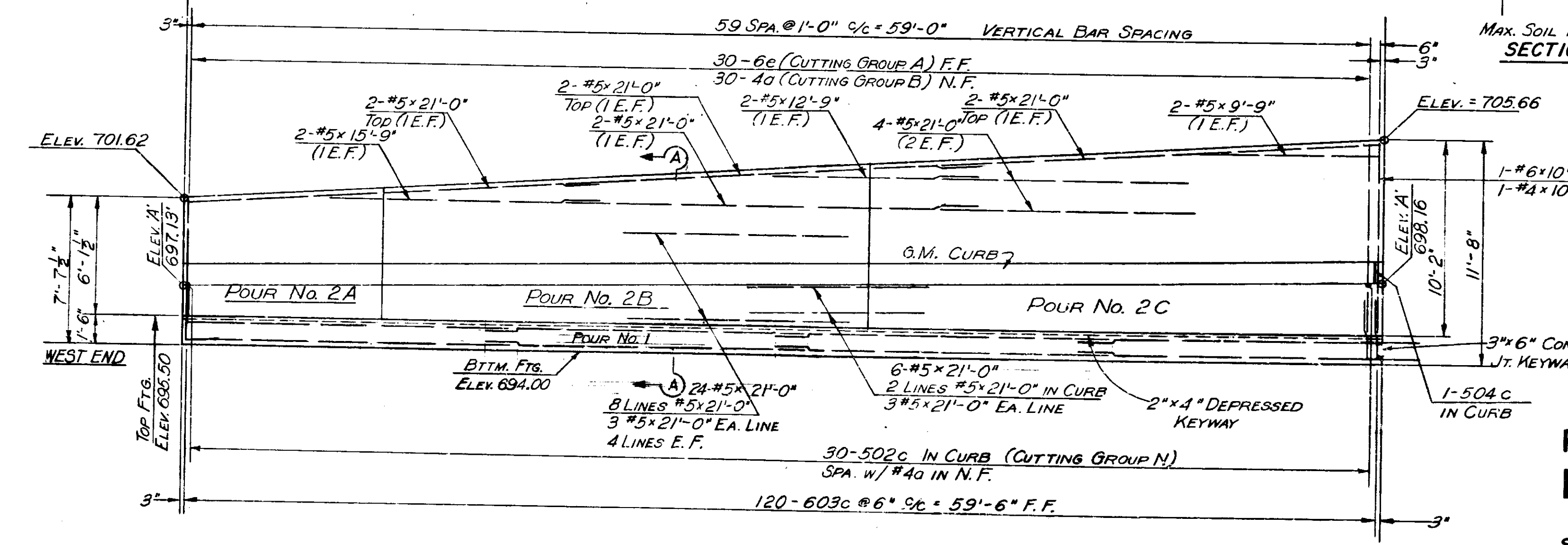
BRIDGES OVER 20' SPAN					
PUB. ROAD RES. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (79)77	197	132	237



FOOTING PLAN



DETAIL 'D'



ELEVATION

MAX. SOIL PRESSURE EQUALS 2.5 TONS/SQ. FT.

SECTION A-A

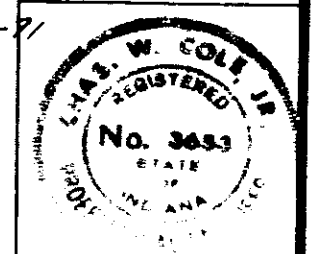
LEGEND:
 N.F. - NEAR FACE
 F.F. - FAR FACE
 E.F. - EACH FACE

NOTE:
 SEE SHEET No. 125 FOR GENERAL ARRANGEMENT OF RETAINING WALL 3.
 SEE SHEET No. 22 FOR GENERAL PLAN
 SEE SHEET No. 132 FOR REINFORCING BAR DIAGRAMS.
 SEE SHEET No. 133 FOR BILL OF MATERIALS.

RETAINING WALL 3 SECTION I DETAILS
 INDIANA STATE HIGHWAY COMMISSION

SCALE: - NONE
 SUBMITTED FOR APPROVAL

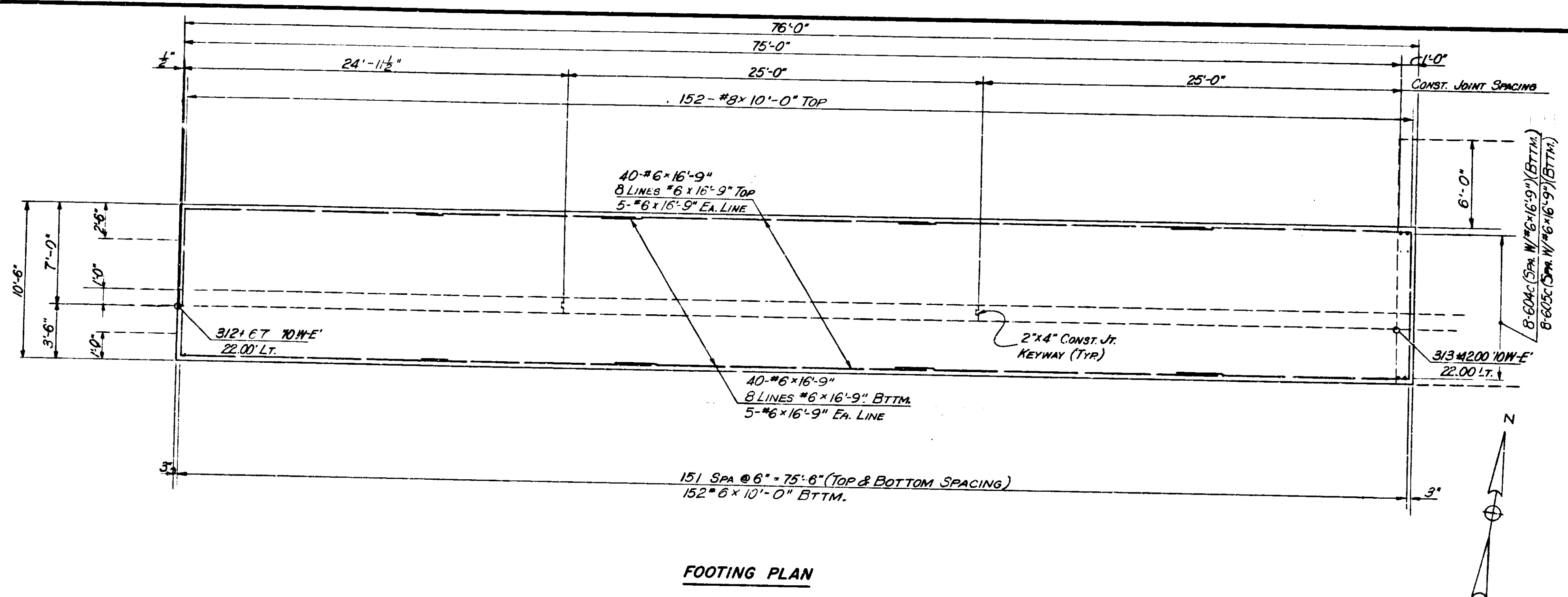
1971



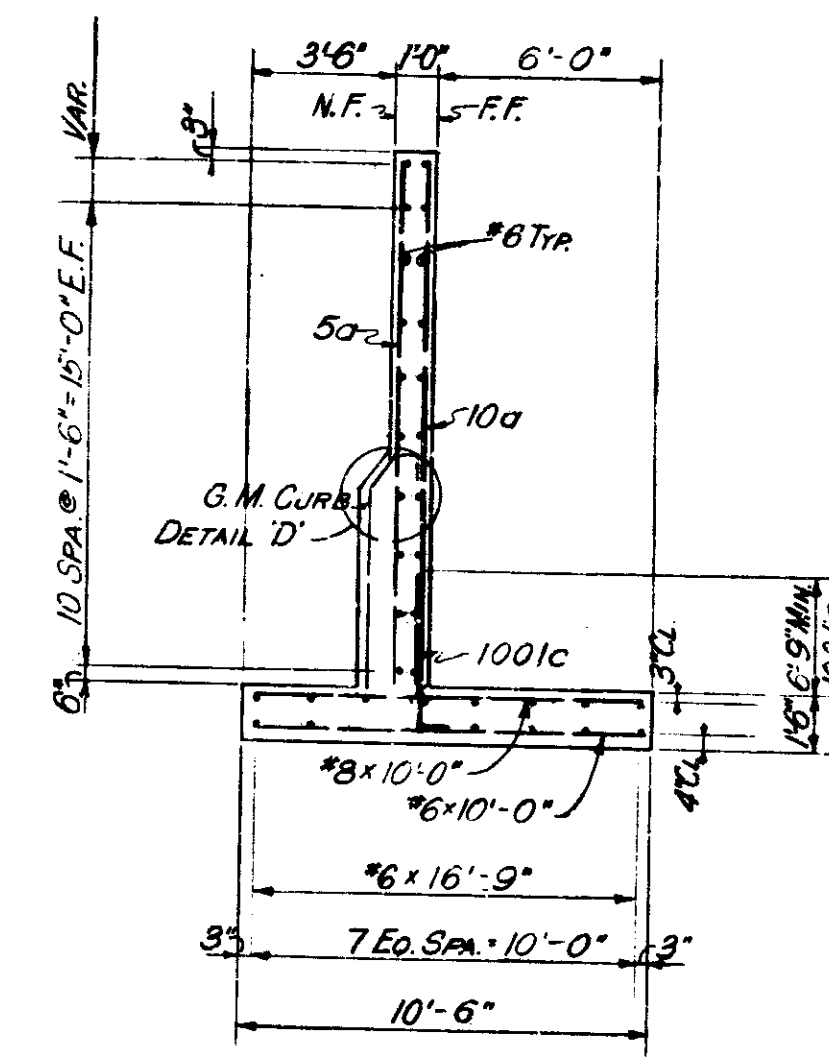
DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3 (79)77		132	237	

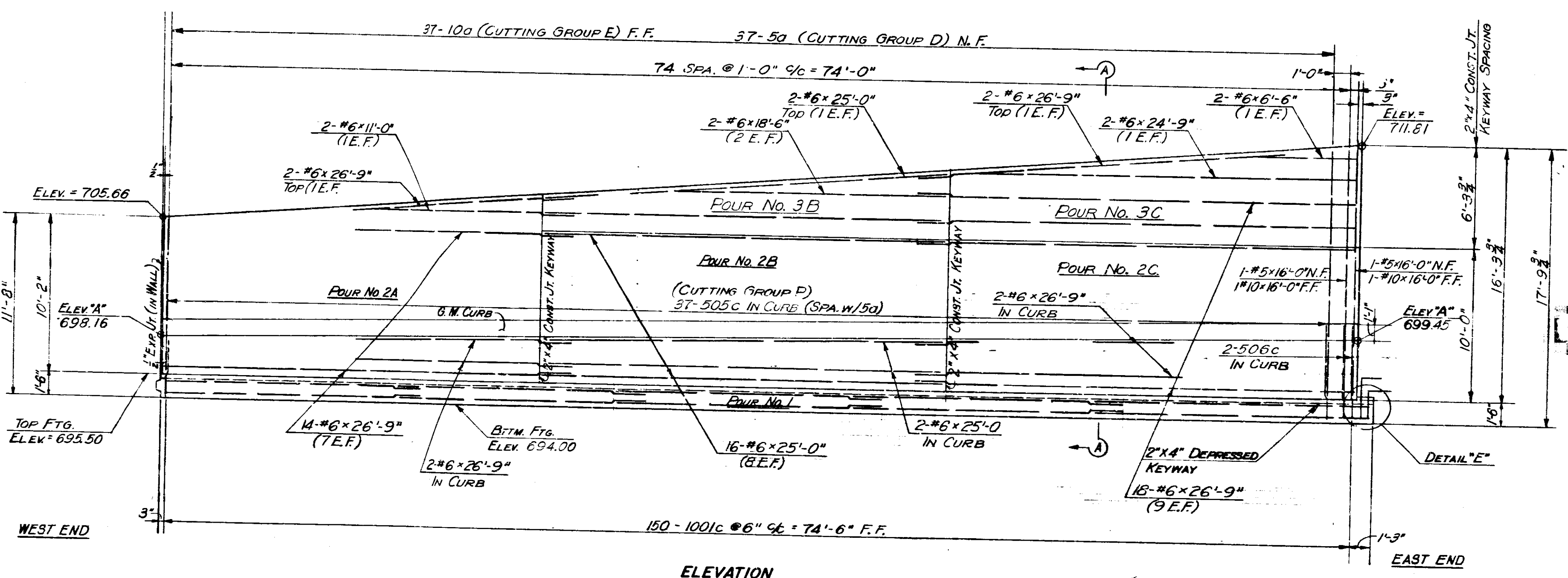
BRIDGES OVER 20' SPAN					
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (70)TT	197	133	237



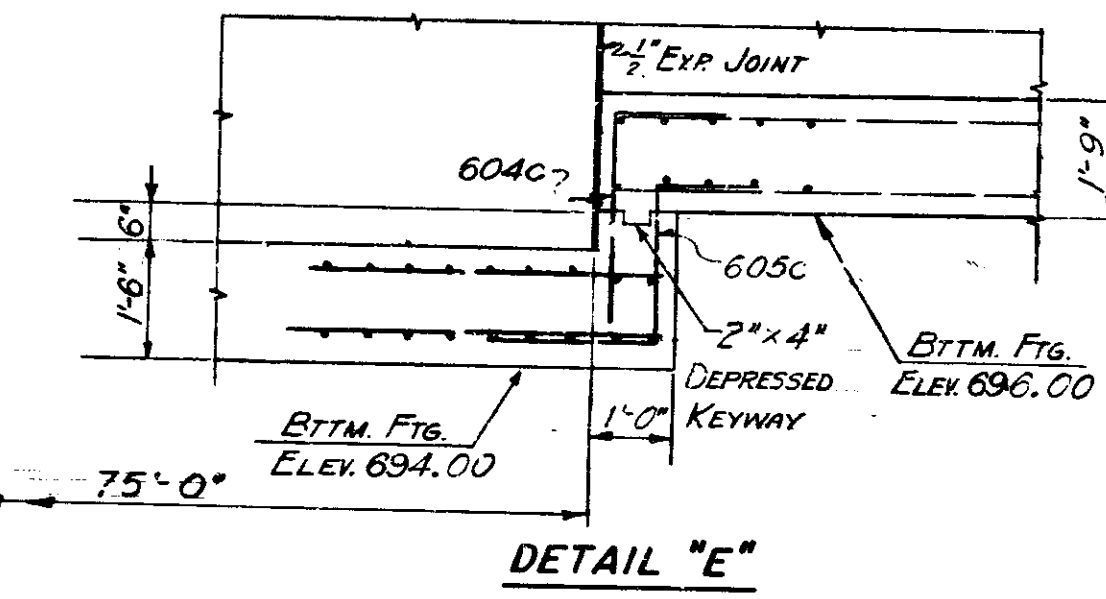
FOOTING PLAN



SECTION A-A



ELEVATION



DETAIL "E"

LEGEND:
 N.F. - NEAR FACE
 F.F. - FAR FACE
 E.F. - EACH FACE

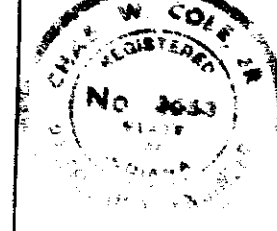
NOTE:
 SEE SH'T. NO. 125 FOR GENERAL ARRANGEMENT OF RETAINING WALL 3.
 SEE SH'T. NO. 22 FOR GENERAL PLAN.
 SEE SH'T. NO. 127 FOR DETAIL "D".
 SEE SH'T. NO. 132 FOR REINFORCING BAR DIAGRAMS.
 SEE SH'T. NO. 133 FOR BILL OF MATERIALS.

RETAINING WALL 3 SECTION 2 DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: - NONE
 SUBMITTED FOR APPROVAL

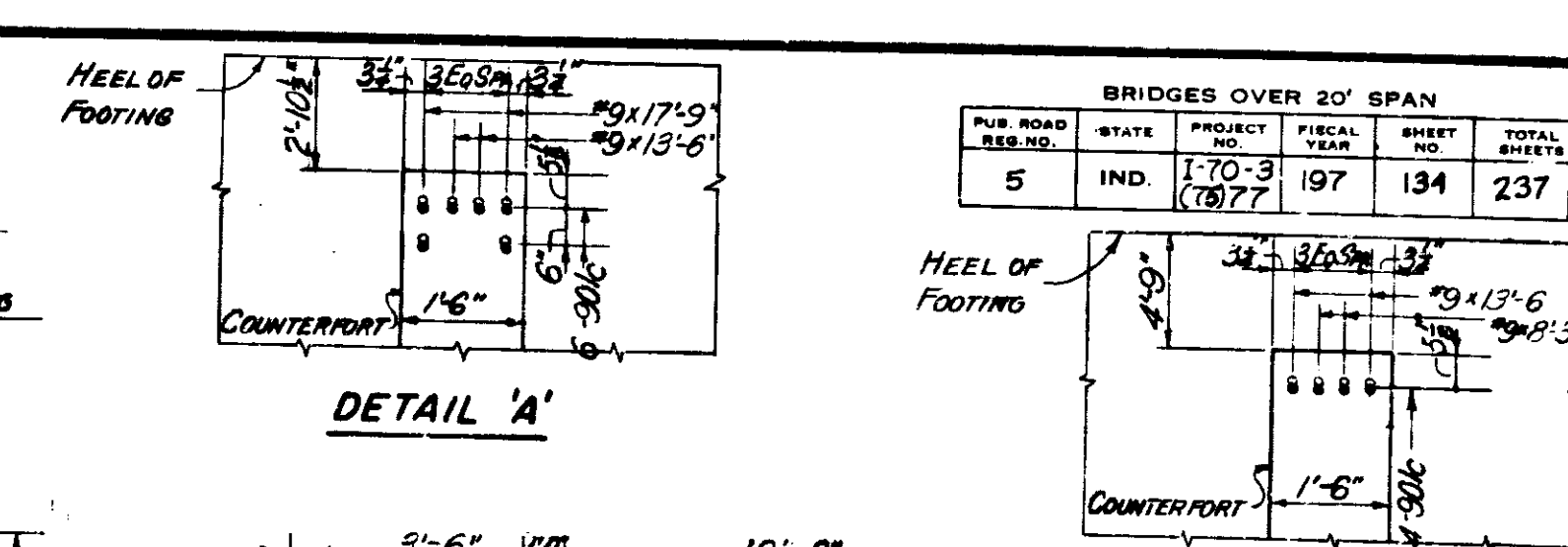
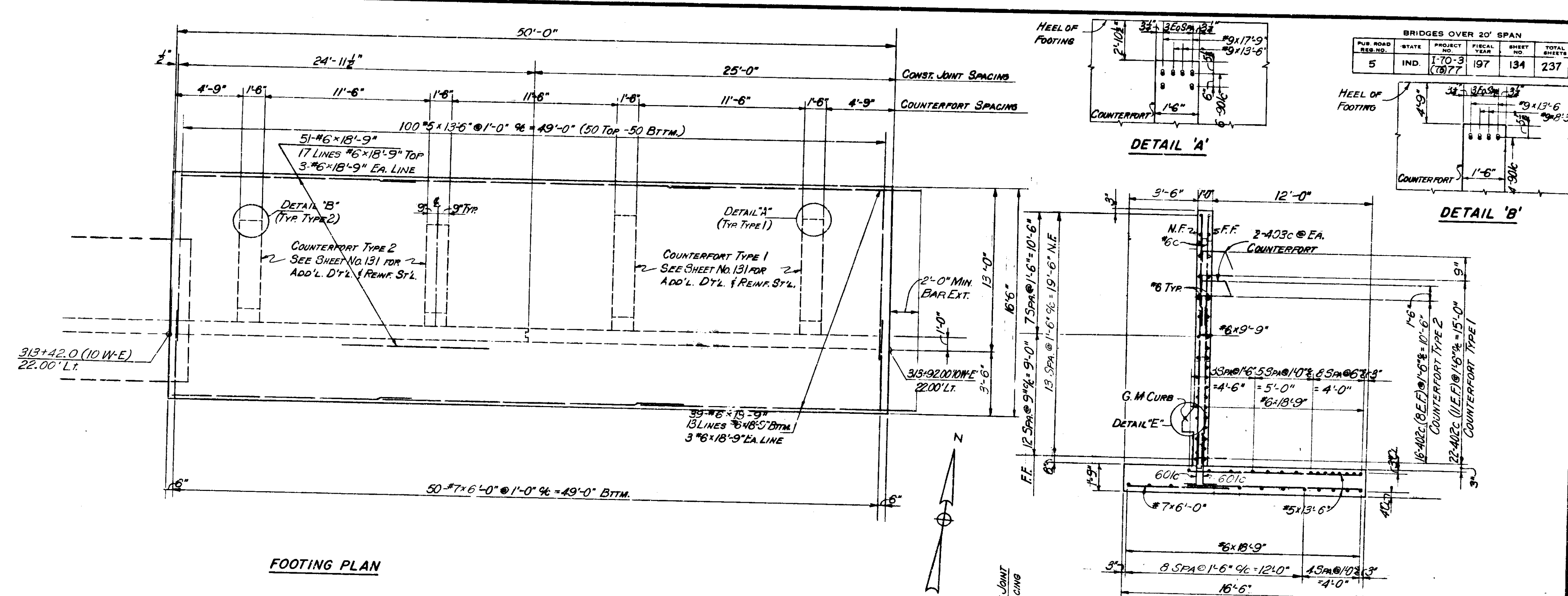
Chapman 3-27-71

1971

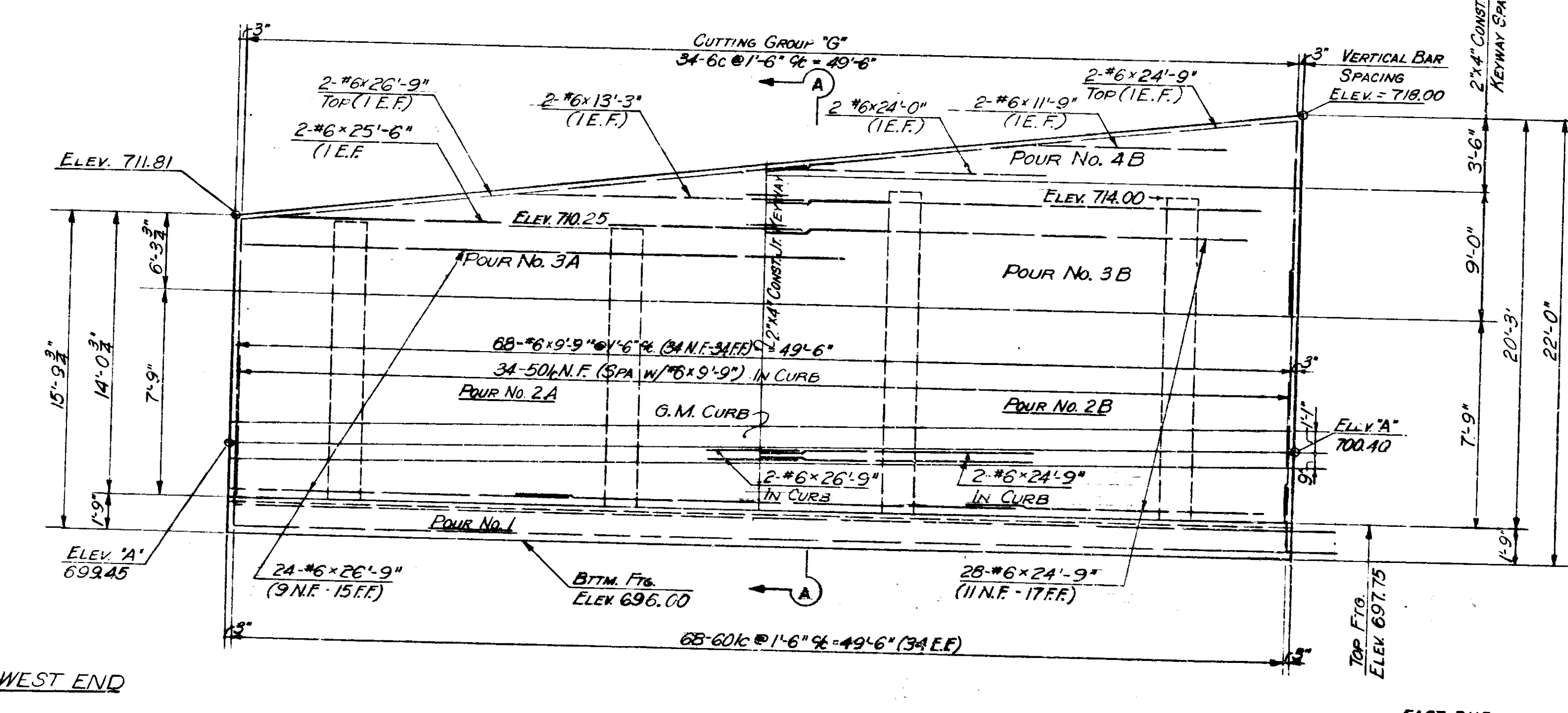


DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(70)77		133	237	



BRIDGES OVER 20' SPAN					
PUR. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3 (7877)	197	134	237



NOTE: FOR ADD'L. DETAILS & REINF. STEEL EXTENDING FROM FOOTING FOR COUNTERFORTS SEE SHEET NO. 131

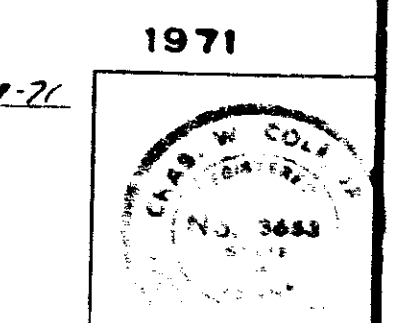
LEGEND:
 N.F. - NEAR FACE
 F.F. - FAR FACE
 E.F. - EACH FACE

NOTE:
 SEE SHEET NO. 126 FOR GENERAL ARRANGEMENT OF RETAINING WALL 3.
 SEE SHEET NO. 22 FOR GENERAL PLAN
 SEE SHEET NO. 131 FOR COUNTERFORT DETAILS.
 SEE SHEET NO. 132 FOR REINFORCING BAR DIAGRAMS.
 SEE SHEET NO. 133 FOR BILL OF MATERIALS.
 SEE SHEET NO. 130 FOR DETAIL "E"

RETAINING WALL 3 SECTION 3 DETAILS
INDIANA STATE HIGHWAY COMMISSION

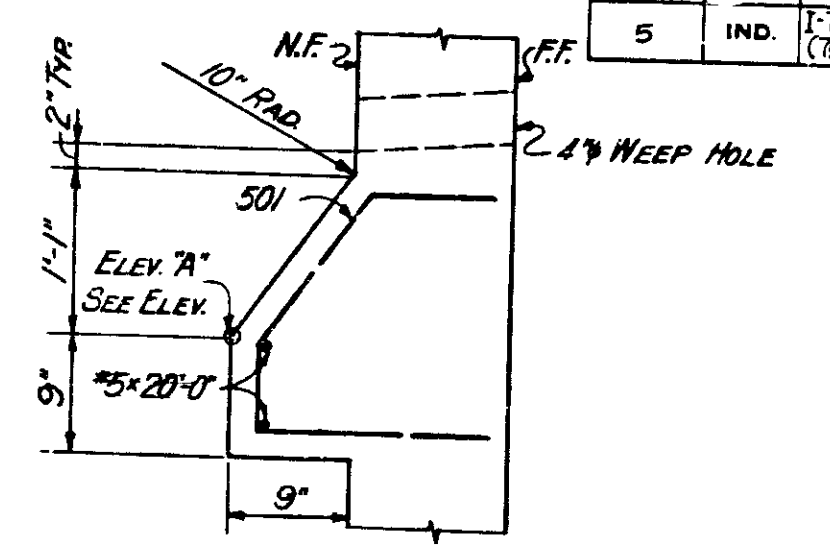
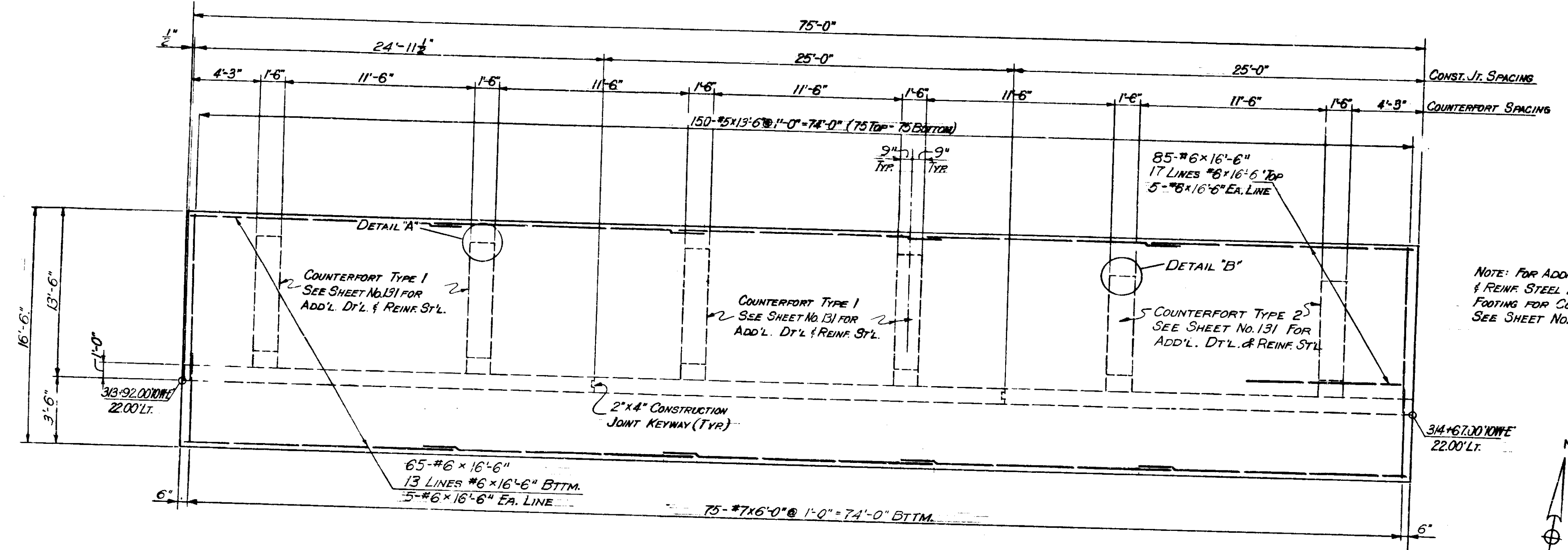
SCALE: - NONE
 SUBMITTED FOR APPROVAL *[Signature]* 3-21-71

DESIGNED: CKD
 DRAWN: CKD
 TRACED: CKD

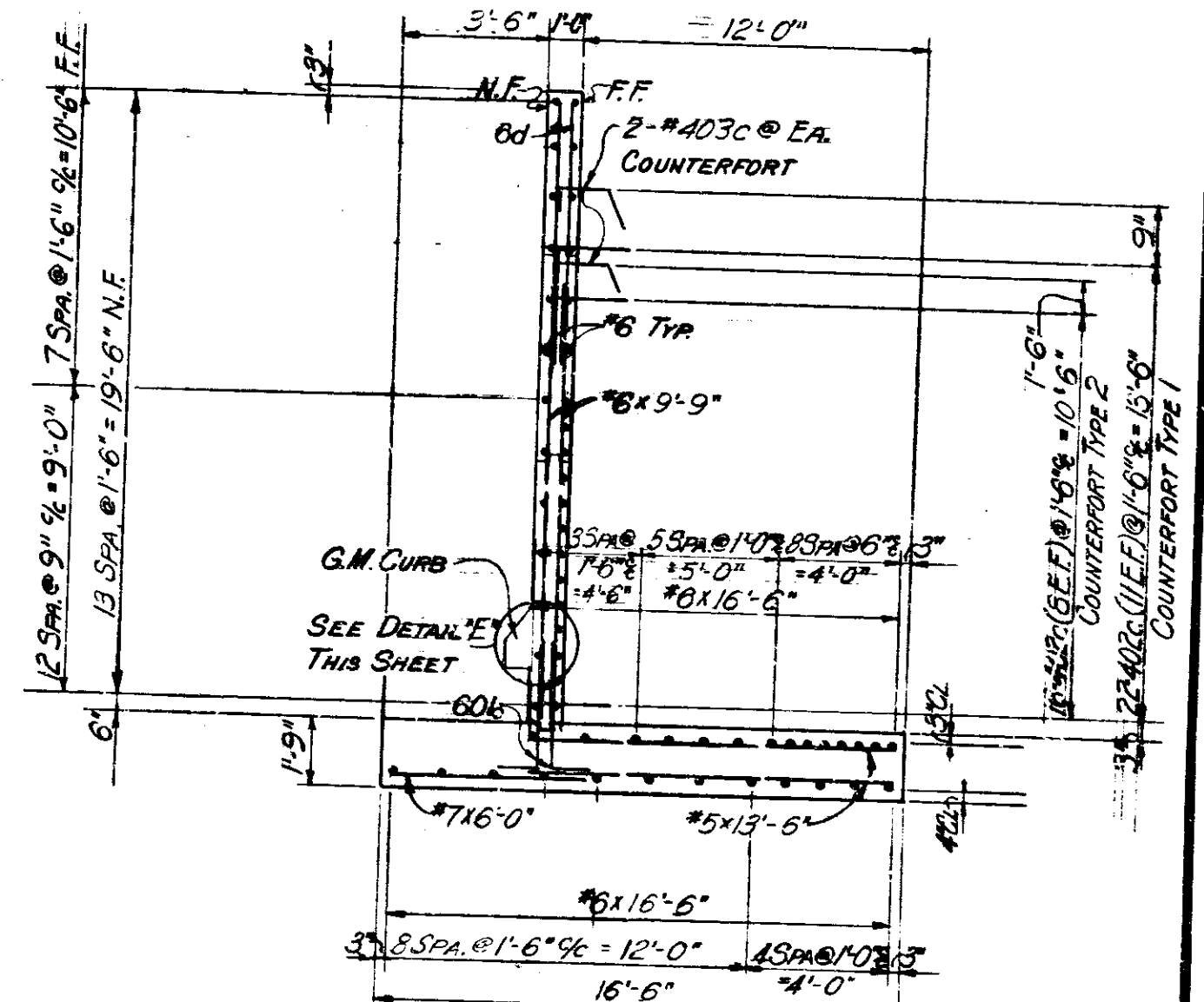
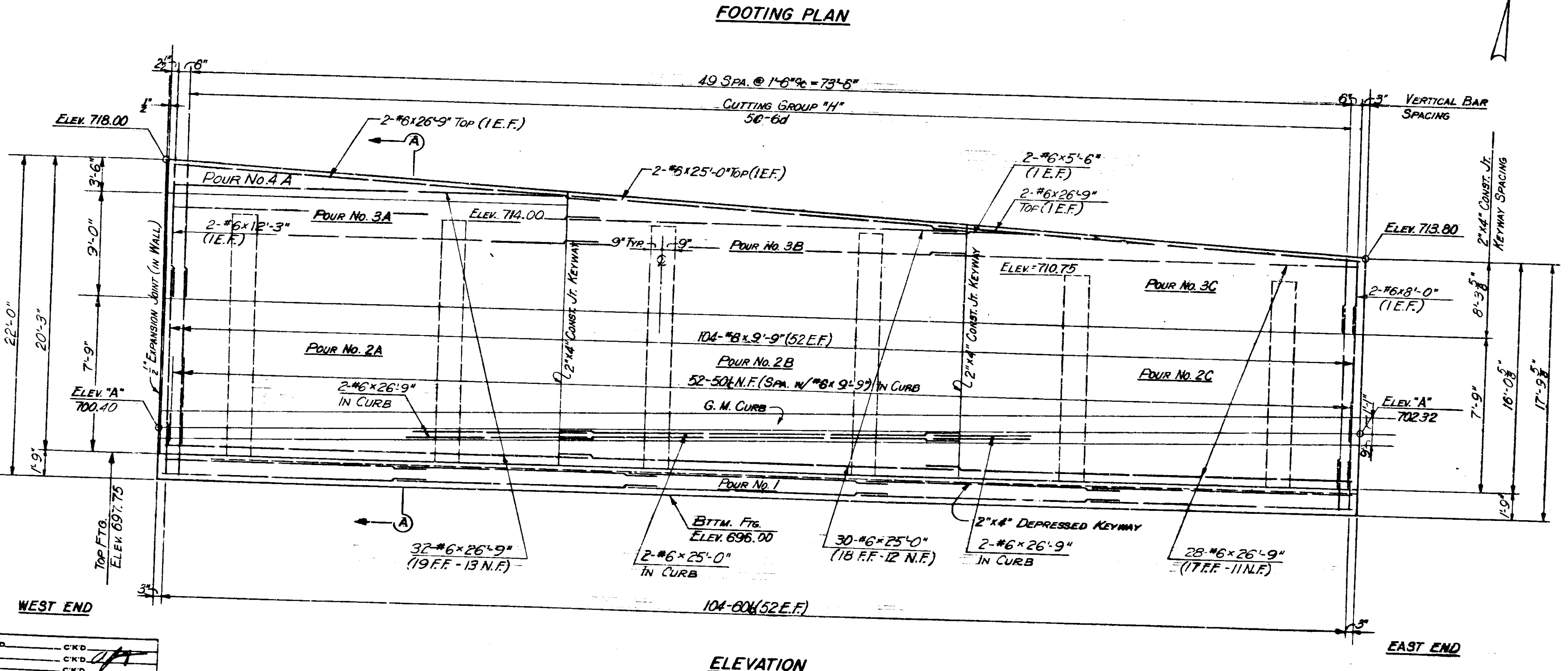


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-70-3(7877)		134	237	

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	170-3 (1977)	197	135	237



NOTE: FOR ADDITIONAL DETAILS & REINF. STEEL EXTENDING FROM FOOTING FOR COUNTERFORTS SEE SHEET No. 131

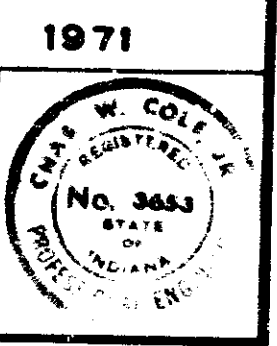


LEGEND:
 N.F. - NEAR FACE
 F.F. - FAR FACE
 E.F. - EACH FACE

NOTE:
 SEE SHEET No. 126 FOR GENERAL ARRANGEMENT OF RETAINING WALL No. 3.
 SEE SHEET No. 22 FOR GENERAL PLAN
 SEE SHEET No. 131 FOR COUNTERFORT DETAILS.
 SEE SHEET No. 132 FOR REINFORCING BAR DIAGRAMS.
 SEE SHEET No. 133 FOR BILL OF MATERIALS.
 SEE SHEET No. 129 FOR DETAIL 'A', DETAIL 'B'

RETAINING WALL 3 SECTION 4 DETAILS
INDIANA STATE HIGHWAY COMMISSION

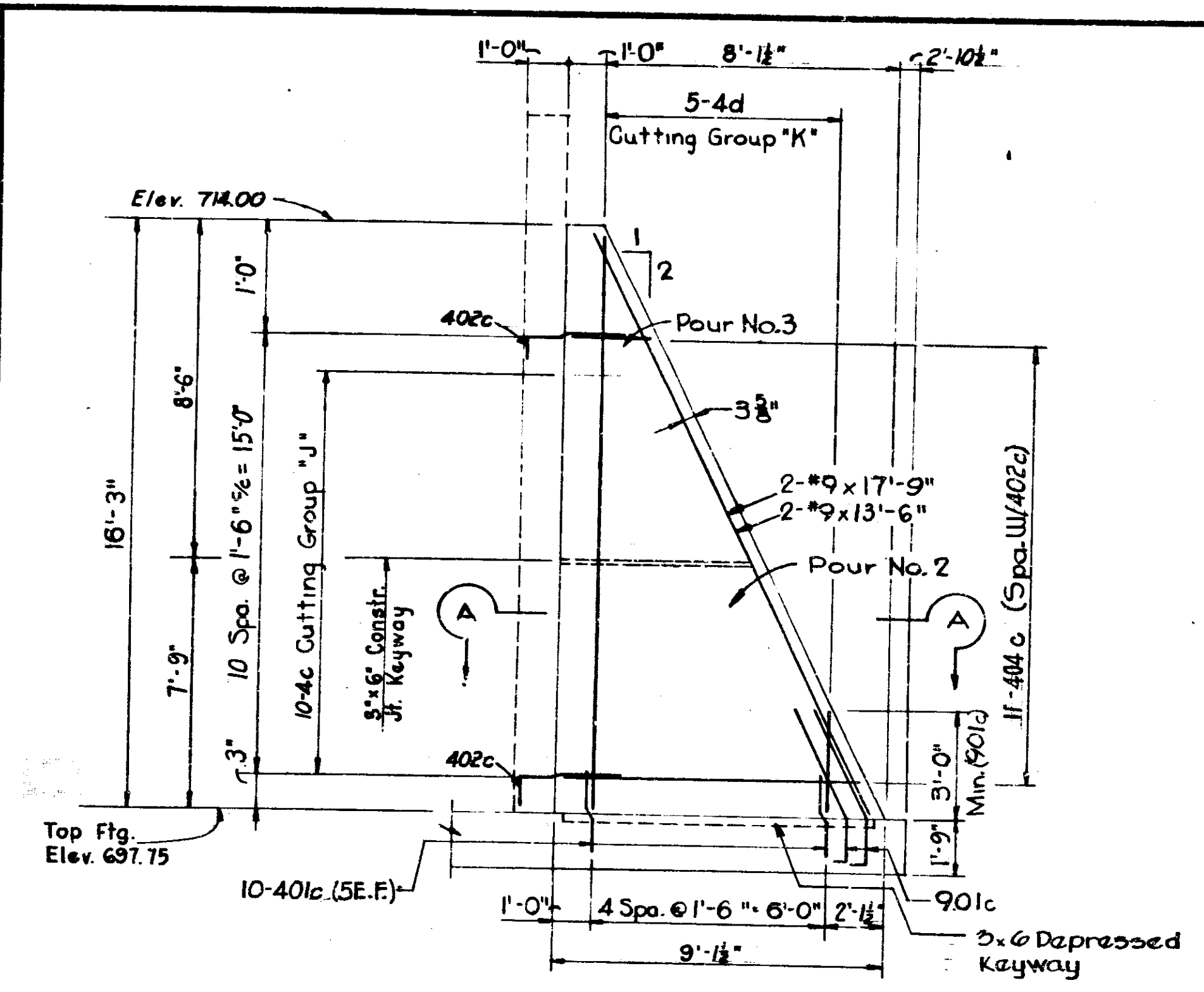
SCALE: NONE
 SUBMITTED FOR APPROVAL: *[Signature]* 3-22-71



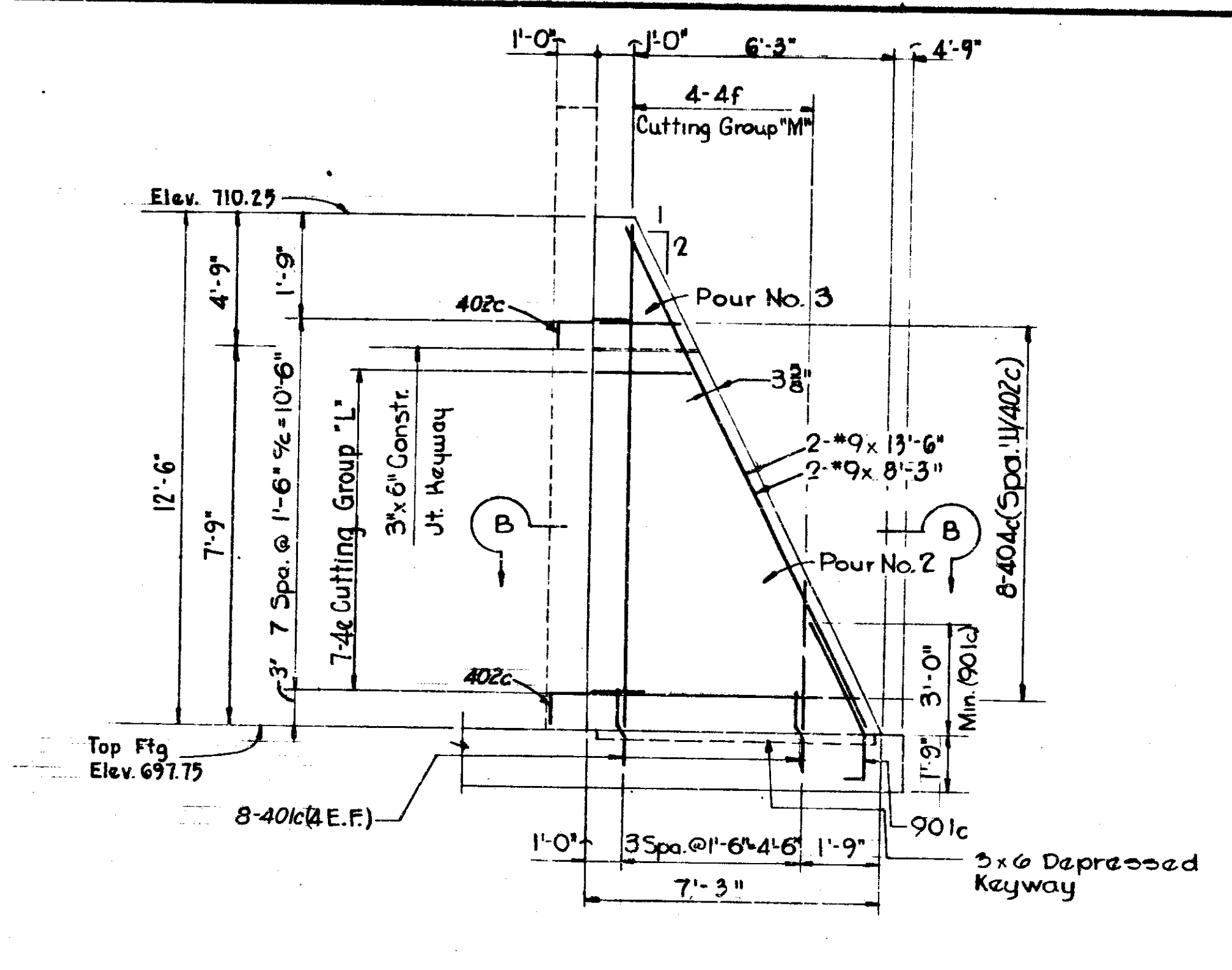
DESIGNED: CKD
 DRAWN: CKD
 TRACED: CKD

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
170-3(1977)		135	237	

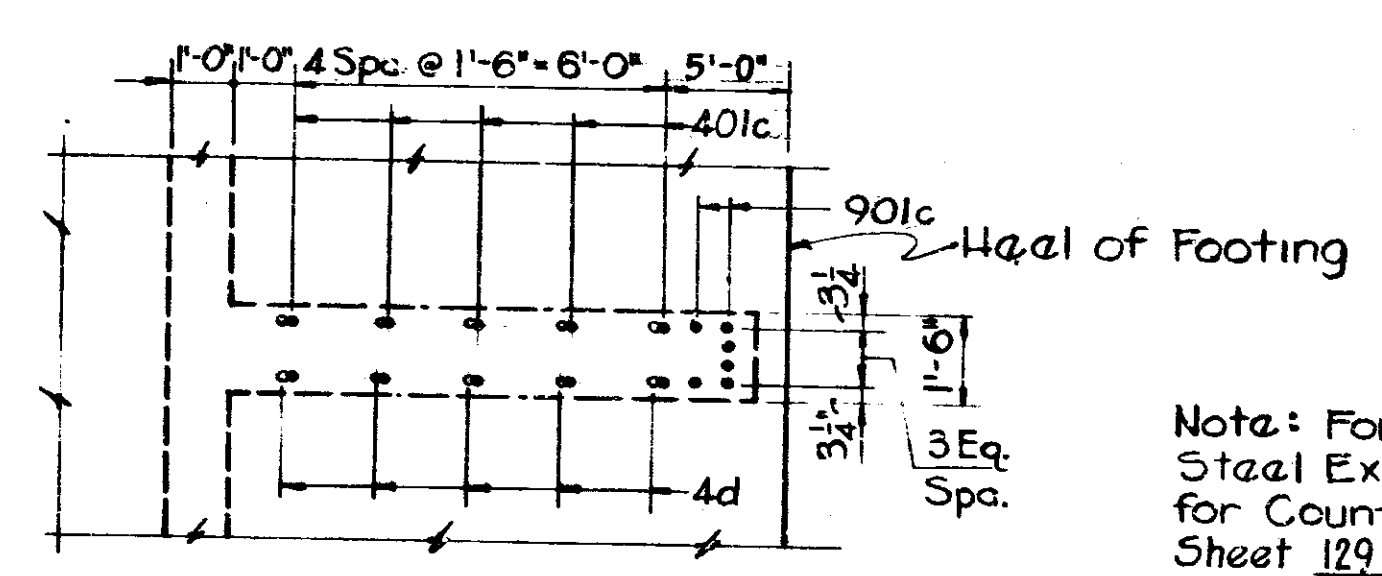
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	70-3 (75) 77	197	237



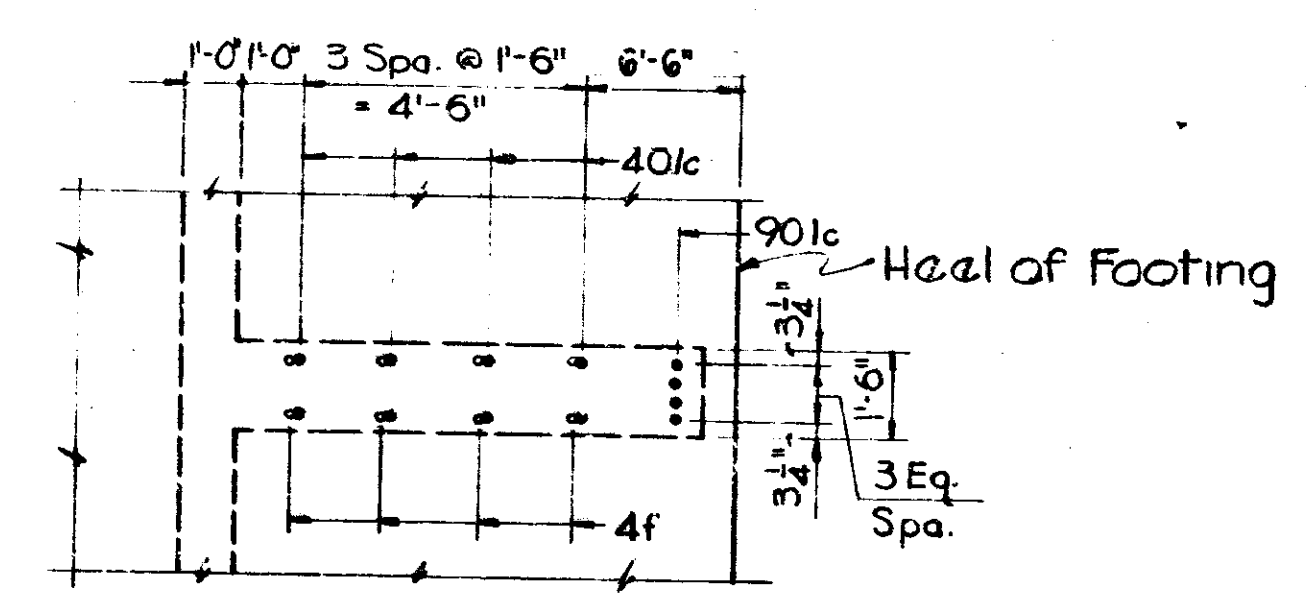
ELEVATION-COUNTERFORT TYPE-1



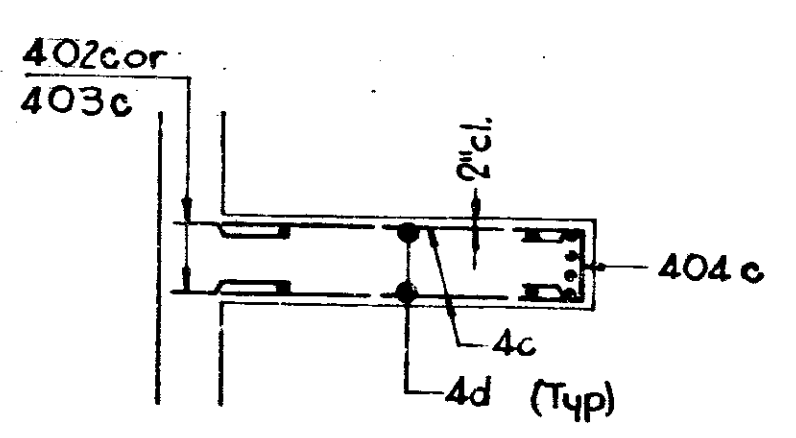
ELEVATION-COUNTERFORT TYPE-2



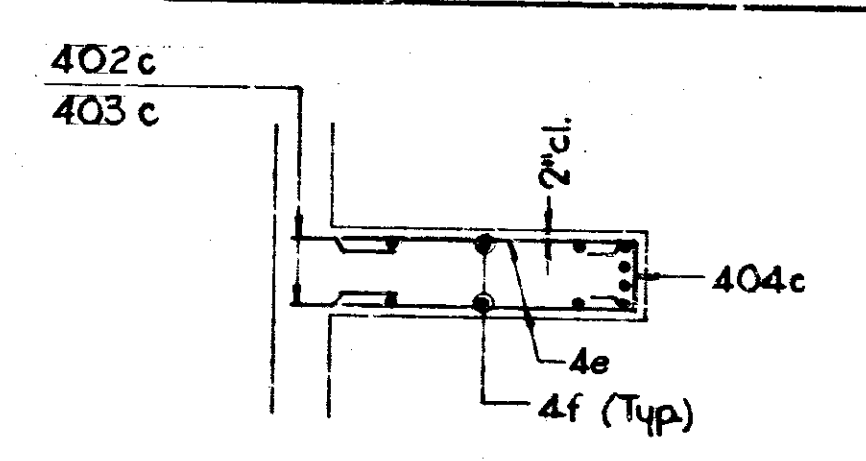
PART FOOTING PLAN-COUNTERFORT TYPE-1



PART FOOTING PLAN-COUNTERFORT TYPE-2



SECTION A-A



SECTION B-B

Note: For Additional Details of Steel Extending from Footing for Counterfort Type 1 See Sheet 129 Detail A.

Note: For Additional Details of Steel Extending from Footing for Counterfort Type 2 See Sheet 129 Detail B.

Note:
See Sheet 129 & 130 for Gen. Arrangem't of Retain'g Wall 3
See Sheet 132 for Reinf. Bar Diagrams
See Sheet 133 for Bill of Material

**COUNTERFORT DETAILS TYPES 1 & 2
INDIANA STATE HIGHWAY COMMISSION**

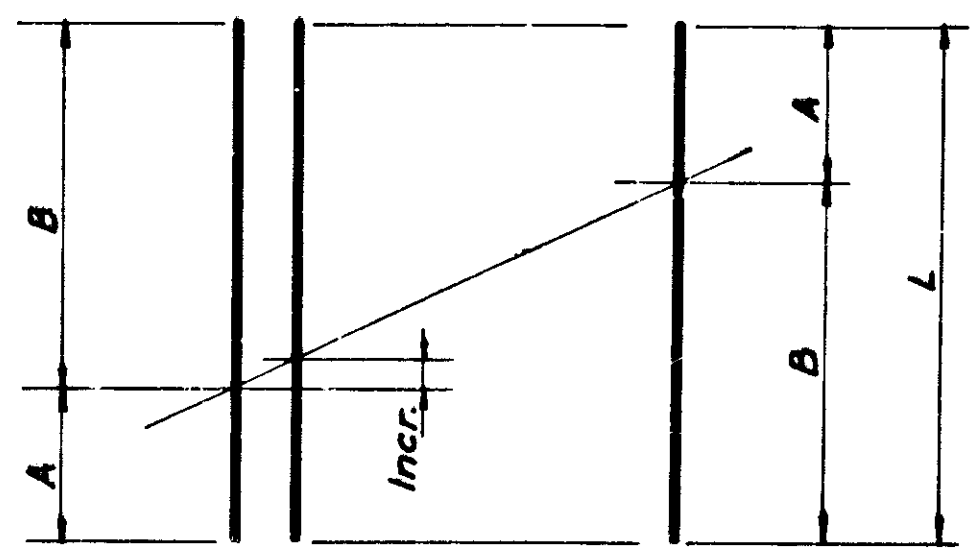
SCALE: - NONE
SUBMITTED FOR APPROVAL: *Crews* 5-22-71



DESIGNED	CKD
DRAWN	CKD
TRACED	CKD

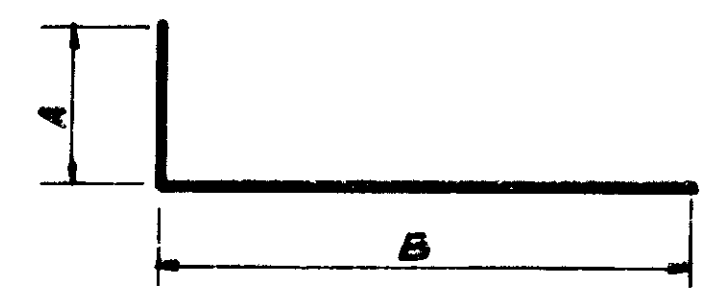
PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
70-3 (75) 77	12	257		

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-70-3(B) 77	197	137	237

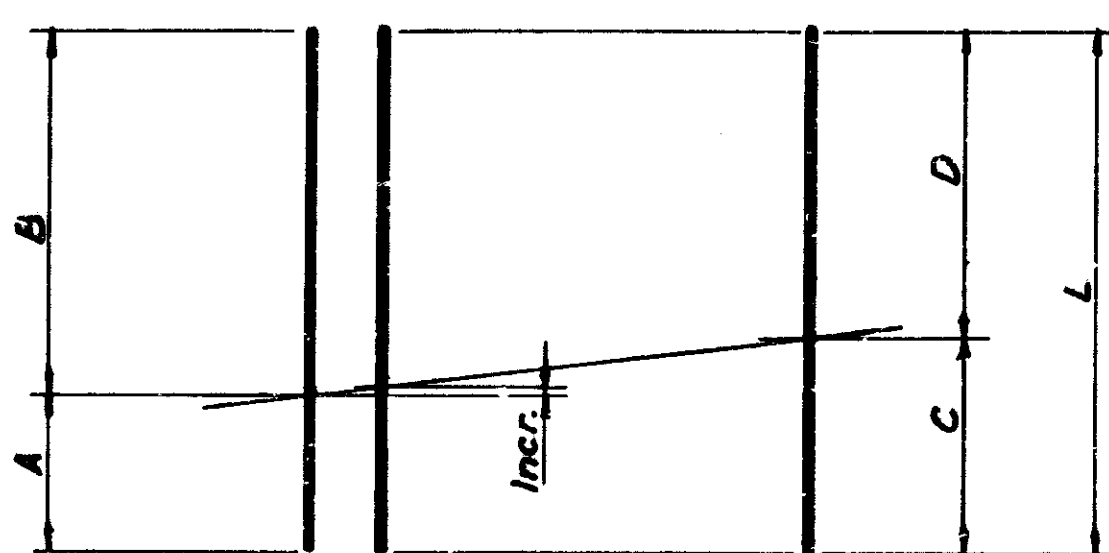


TWO-FACE CUTTING GROUP DIAGRAM

Cutting Group	Mark or Size	No. of Bars	A	B	Incr.	L
G	6c	34	6'-0"	12'-3"	2 1/2"	18'-3"
H	6d	50	8'-1"	12'-2"	1"	20'-5"
J	4c	10	2'-0"	8'-9"	9"	10'-9"
K	4d	5	4'-0"	16'-0"	8'-0"	20'-0"
L	4e	7	2'-4 1/2"	6'-10 1/2"	9"	9'-3"
M	4f	4	3'-3"	12'-3"	3'-0"	15'-6"

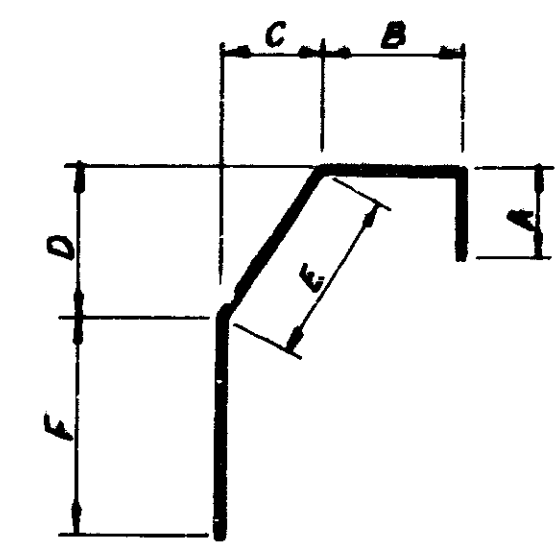


Mark or Size	Dimension		
	A	B	Length
401c	9"	2'-3"	3'-6"
402c	8"	2'-2"	2'-10"
601c	1'-0"	3'-6"	4'-6"
603c	1'-0"	4'-3"	5'-3"
1001c	1'-10"	7'-11"	9'-9"



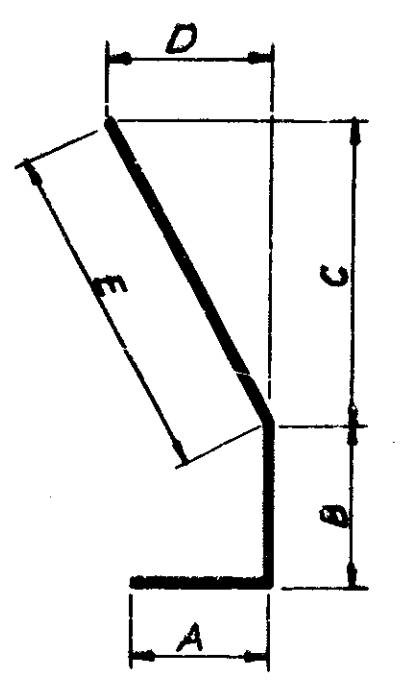
ONE-FACE CUTTING GROUP DIAGRAM

Cutting Group	Mark or Size	No. of Bars	A	B	C	D	Incr.	L
A	6e	30	5'-10 1/2"	9'-10 1/2"	7'-10 1/2"	7'-10 1/2"	1 1/2"	15'-9"
B	4a	30	5'-10 1/2"	9'-10 1/2"	7'-10 1/2"	7'-10 1/2"	1 1/2"	15'-9"
D	3a	37	10'-0"	15'-11"	12'-11"	13'-0"	1"	25'-11"
E	10a	37	10'-0"	15'-11"	12'-11"	13'-0"	1"	25'-11"
N	502c	30	4'-3"	5'-3"	4'-8 1/2"	4'-8 1/2"	1 1/2"	9'-6"
P	505c	37	5'-4"	6'-6"	5'-10 1/2"	5'-10 1/2"	1 1/2"	11'-10"



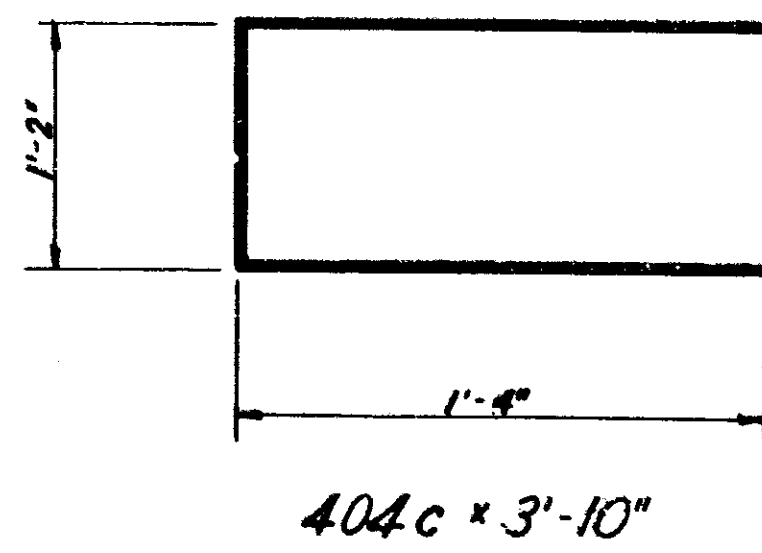
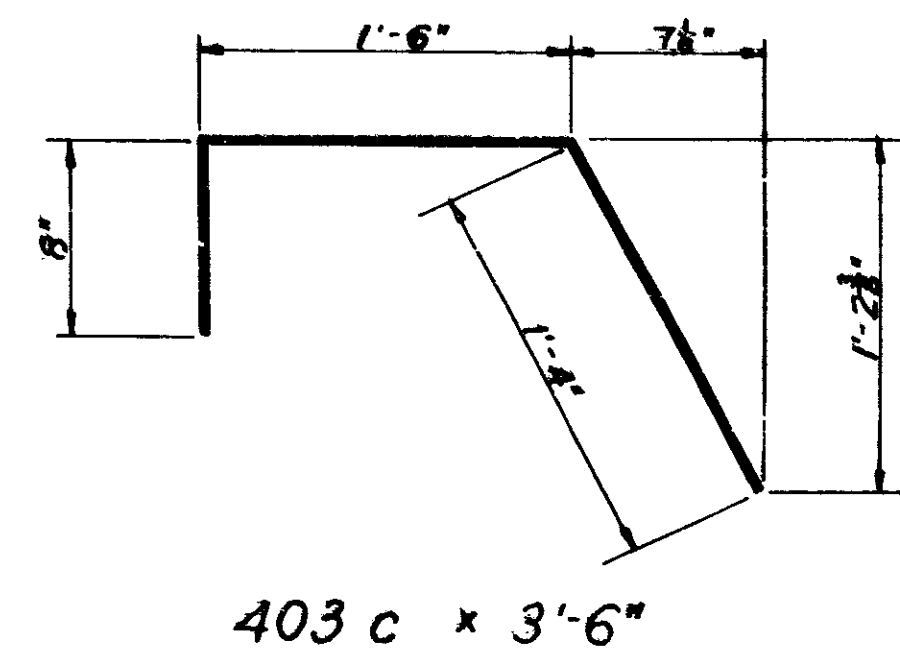
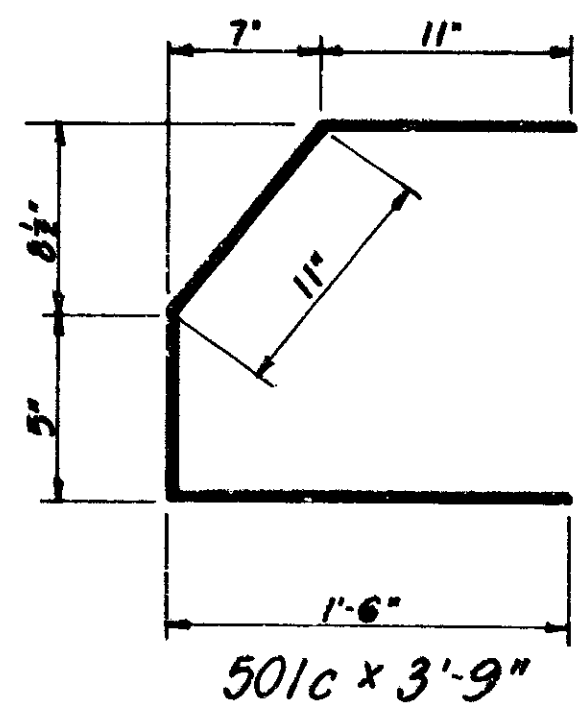
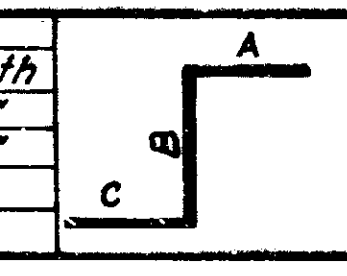
BENDING DIAGRAM

Cutting Group	Mark or Size	A	B	C	D	E	F	Length
N	502c	10"	11"	7"	8 1/2"	11"	Varies	Varies
P	504c	10"	11"	7"	8 1/2"	11"	2'-7"	5'-3"
	505c	10"	11"	7"	8 1/2"	11"	Varies	Varies
	506c	10"	11"	7"	8 1/2"	11"	3'-11"	6'-7"



Mark or Size	Dimensions					Length
	A	B	C	D	E	
801c	1'-8"	1'-9"	3'-0 1/2"	1'-6 1/2"	3'-5"	6'-6"

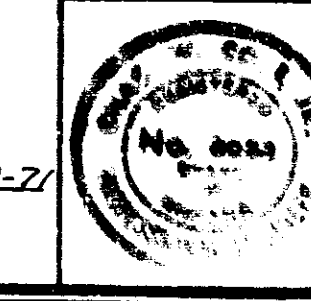
Mark or Size	Dimensions			Length
	A	B	C	
604c	1'-0"	3'-2"	1'-1"	5'-3"
605c	1'-0"	2'-0"	1'-0"	4'-0"



RETAINING WALL 3
BAR DETAILS
INDIANA STATE HIGHWAY
COMMISSION

SCALE: NONE

SUBMITTED FOR APPROVAL: *[Signature]* 5-27-71



BRIDGES OVER 20' SPAN				
PAR. ROAD	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	1-10-77	197	138
				237

BILLS OF MATERIAL

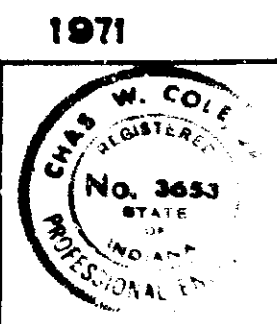
SECTION 1 Reinforcing Steel				SECTION 2 Reinforcing Steel				SECTION 3 Reinforcing Steel				SECTION 4 Reinforcing Steel			
Mark or Size	No. Bars	Length	Weight	Mark or Size	No. Bars	Length	Weight	Mark or Size	No. Bars	Length	Weight	Mark or Size	No. Bars	Length	Weight
#603c	120	5'-3"		#1001c	150	8'-9"		#801c	20	6'-6"		#901c	31	6'-6"	
6e	30	15'-9"		10a	37	25'-11"		9	4	8'-3"		9	7	8'-3"	
8	61	5'-0"		10	2	16'-0"		9	6	13'-6"		9	11	13'-6"	
6	1	10'-0"		Total #10 Bars			10,557 lbs.	9	4	17'-9"		9	8	17'-9"	
Total #6 Bars			2,129 lbs.	5	152	10'-0"		Total #8 Bars			1,163 lbs.	Total #9 Bars			1,853 lbs.
502c	30	9'-6"		Total #8 Bars			4,058 lbs.	7	50	6'-0"		7	75	6'-0"	
504c	1	5'-3"		604c	8	5'-3"		Total #7 Bars			613 lbs.	Total #7 Bars			920 lbs.
5	61	6'-6"		605c	8	4'-0"		601c	68	4'-6"		601c	104	4'-6"	
5	2	9'-9"		6	2	6'-6"		6c	34	18'-9"		6d	50	20'-3"	
5	2	12'-9"		6	152	10'-0"		6	68	9'-9"		6	7	5'-6"	
5	2	15'-9"		6	2	11'-0"		6	2	11'-9"		6	7	8'-0"	
5	44	16'-9"		6	60	16'-9"		6	2	13'-9"		6	104	9'-9"	
5	42	21'-0"		6	2	18'-6"		6	90	16'-9"		6	7	12'-3"	
Total #5 Bars			2,485 lbs.	6	2	24'-3"		6	2	24'-0"		6	150	16'-6"	
4a	30	15'-9"		6	20	25'-0"		6	2	24'-5"		6	34	25'-0"	
4	1	10'-0"		6	40	26'-9"		6	2	25'-6"		6	68	26'-9"	
Total #4 Bars			322 lbs.	Total #6 Bars			6,948 lbs.	Total #6 Bars			1,460 lbs.	Total #6 Bars			11,550 lbs.
Total Reinforcing Steel			4,396 lbs.	505c	37	11'-10"		501c	34	3'-9"		501c	31	3'-9"	
Concrete				506c	2	6'-7"		5	100	15'-6"		5	150	15'-6"	
Pour No. 1 (Footings)		23.3 Cys.		5a	37	25'-11"		Total #5 Bars			4,541 lbs.	Total #5 Bars			2,315 lbs.
Pour No. 2A		3.0 Cys.		5	2	16'-0"		401c	36	3'-6"		401c	56	3'-6"	
Pour No. 2B		8.9 Cys.		Total #5 Bars			1,504 lbs.	402c	76	2'-10"		402c	128	2'-10"	
Pour No. 2C		10.7 Cys.		Total Reinforcing Steel			23,067 lbs.	403c	8	3'-6"		403c	12	3'-6"	
Total Class 'A' Conc. for Ret. Walls		43.9 Cys.		Concrete				404c	58	3'-10"		404c	60	3'-10"	
Miscellaneous				Pour No. 1 (Footings)		44.5 Cys.		4c	20	10'-9"		4c	40	10'-9"	
Foundation Excavation		148 Cys.		Pour No. 2A		12.7 Cys.		4d	10	20'-0"		4d	20	20'-0"	
'B' Borrow		144 Cys.		Pour No. 2B		11.9 Cys.		4e	14	9'-9"		4e	14	9'-9"	
Paved Side Ditch Type 'A'		6.4 L.F.		Pour No. 2C		12.2 Cys.		4f	8	15'-6"		4f	8	15'-6"	
				Pour No. 3B		3.0 Cys.		Total #4 Bars			791 lbs.	Total #4 Bars			1,264 lbs.
				Pour No. 3C		4.9 Cys.		Total Reinforcing Steel			11,568 lbs.	Total Reinforcing Steel			17,902 lbs.
				Total Class 'A' Conc. for Ret. Walls		69.2 Cys.		Concrete				Pour No. 1 (Footings)		80.2 Cys.	
				Miscellaneous				Pour No. 1 (Footings)		53.5 Cys.		Pour No. 2A		14.3 Cys.	
				Foundation Excavation		273 Cys.		Pour No. 2A		12.7 Cys.		Pour No. 2B		14.3 Cys.	
				'B' Borrow		350 Cys.		Pour No. 2B		14.3 Cys.		Pour No. 2C		12.7 Cys.	
				Paved Side Ditch Type 'A'		79 L.F.		Pour No. 3A		8.4 Cys.		Pour No. 3A		11.3 Cys.	
								Pour No. 3B		11.5 Cys.		Pour No. 3B		12.6 Cys.	
								Pour No. 3C		1.5 Cys.		Pour No. 3C		9.5 Cys.	
								Total Class 'A' Conc. for Ret. Walls		122.0 Cys.		Pour No. 4A		2.6 Cys.	
								Miscellaneous				Foundation Excavation		479 Cys.	
								Foundation Excavation		327 Cys.		'B' Borrow		858 Cys.	
								'B' Borrow		549 Cys.		Paved Side Ditch Type 'A'		83 L.F.	
								Paved Side Ditch Type 'A'		54 L.F.					

SUMMARY	
Reinforcing Steel	57,463 lbs.
Class 'A' Concrete for Retaining Walls	394.6 Cys.
Foundation Excavation	1,197 Cys.
'B' Borrow	1,901 Cys.
Paved Side Ditch Type 'A'	280 L.F.

Note: See Br. Std. C, for Reinf. I Notes

RETAINING WALL 3 BILL OF MATERIALS INDIANA STATE HIGHWAY COMMISSION

SCALE: SUBMITTED FOR APPROVAL *[Signature]* 5-29-71

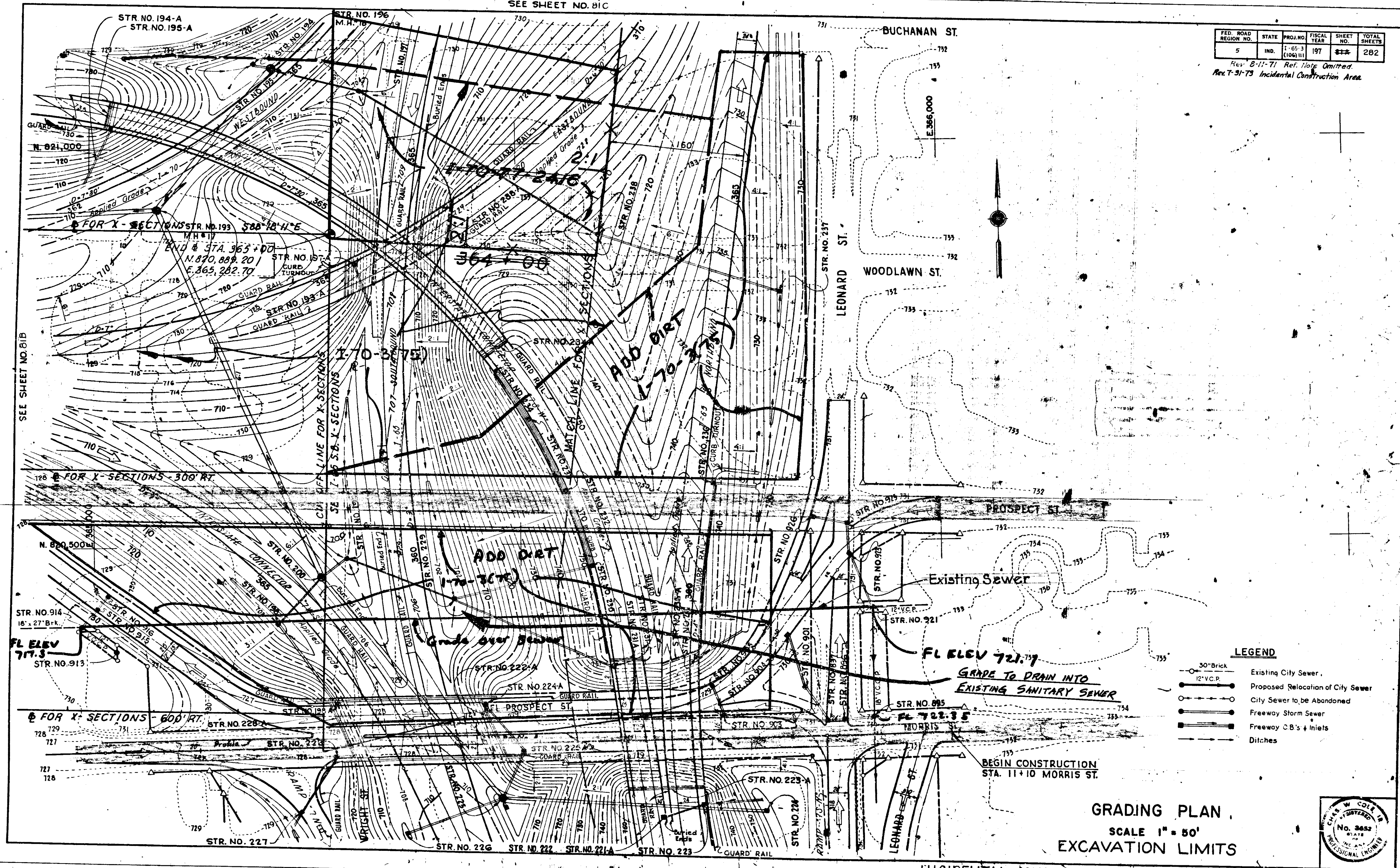


DESIGNED: CKD
DRAWN: CKD
TRACED: CKD

SEE SHEET NO. 81C

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-65-3 (106) III	197	282	282

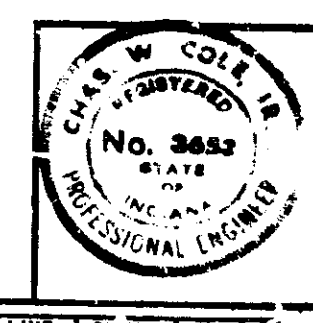
Rev. 8-11-71 Ref. Note Omitted.
Rev. 7-31-73 Incidental Construction Area.



LEGEND

- 30" Brick Existing City Sewer.
- 12" V.C.P. Proposed Relocation of City Sewer
- City Sewer to be Abandoned
- Freeway Storm Sewer
- Freeway C.B.'s & Inlets
- Ditches

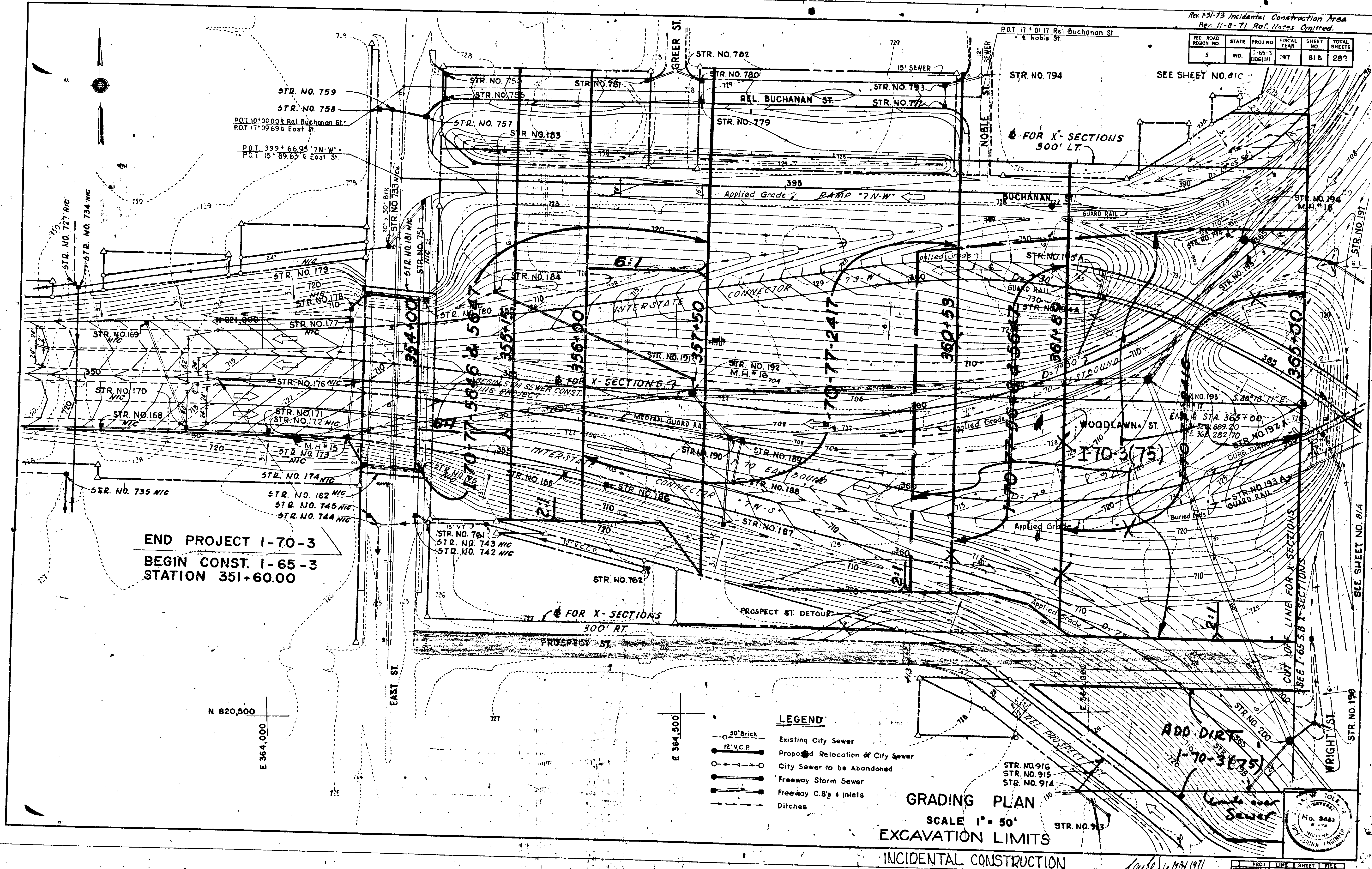
GRADING PLAN
SCALE 1" = 50'
EXCAVATION LIMITS



INCIDENTAL CONSTRUCTION 17 July 1971
PROJ. LINE SHEET NO. 282
E 70-3 (75) 158A

Rev. 7-31-73 Incidental Construction Area
Rev. 11-8-71 Ref. Notes Omitted

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-65-3 (100)111	197	815	282



END PROJECT I-70-3
 BEGIN CONST. I-65-3
 STATION 351+60.00

N 820,500
 E 364,000

E 364,500

- LEGEND**
- Existing City Sewer
 - Proposed Relocation of City Sewer
 - City Sewer to be Abandoned
 - Freeway Storm Sewer
 - Freeway C.B.'s & Inlets
 - Ditches

GRADING PLAN
 SCALE 1" = 50'
 EXCAVATION LIMITS
 INCIDENTAL CONSTRUCTION

ADD DIRTY
 I-70-3(75)



PROJ.	DATE	SHEET	TITLE
I-70-3(75)	4/19/1971	815	GRADING PLAN

SEE SHEET NO. 84

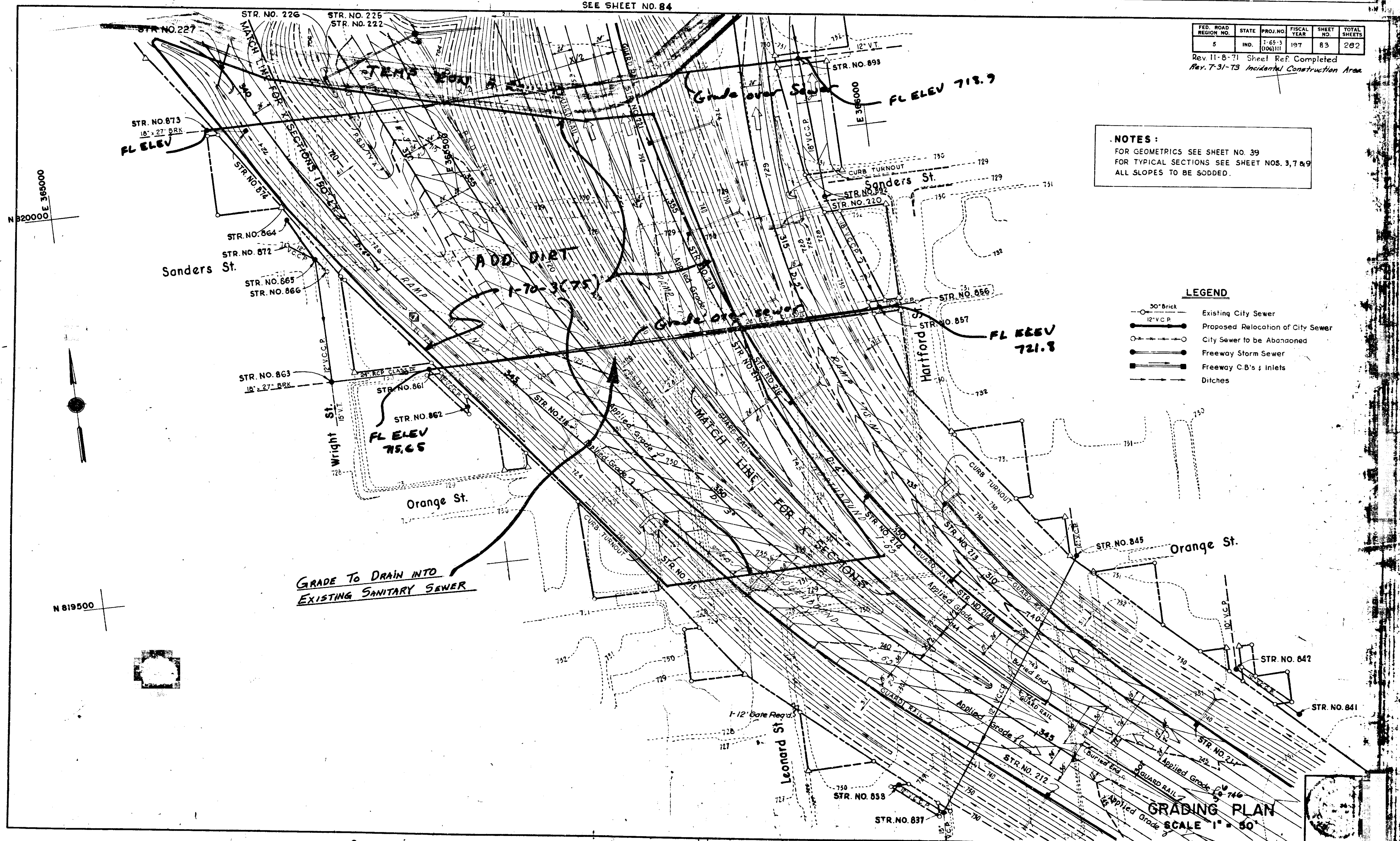
FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-65-3 (106)111	197	83	282

Rev. 11-8-71 Sheet Ref. Completed
Rev. 7-31-73 Incidental Construction Area

NOTES:
FOR GEOMETRICS SEE SHEET NO. 39
FOR TYPICAL SECTIONS SEE SHEET NOS. 3, 7 & 9
ALL SLOPES TO BE SODDED.

LEGEND

	Existing City Sewer
	Proposed Relocation of City Sewer
	City Sewer to be Abandoned
	Freeway Storm Sewer
	Freeway C.B.'s Inlets
	Ditches

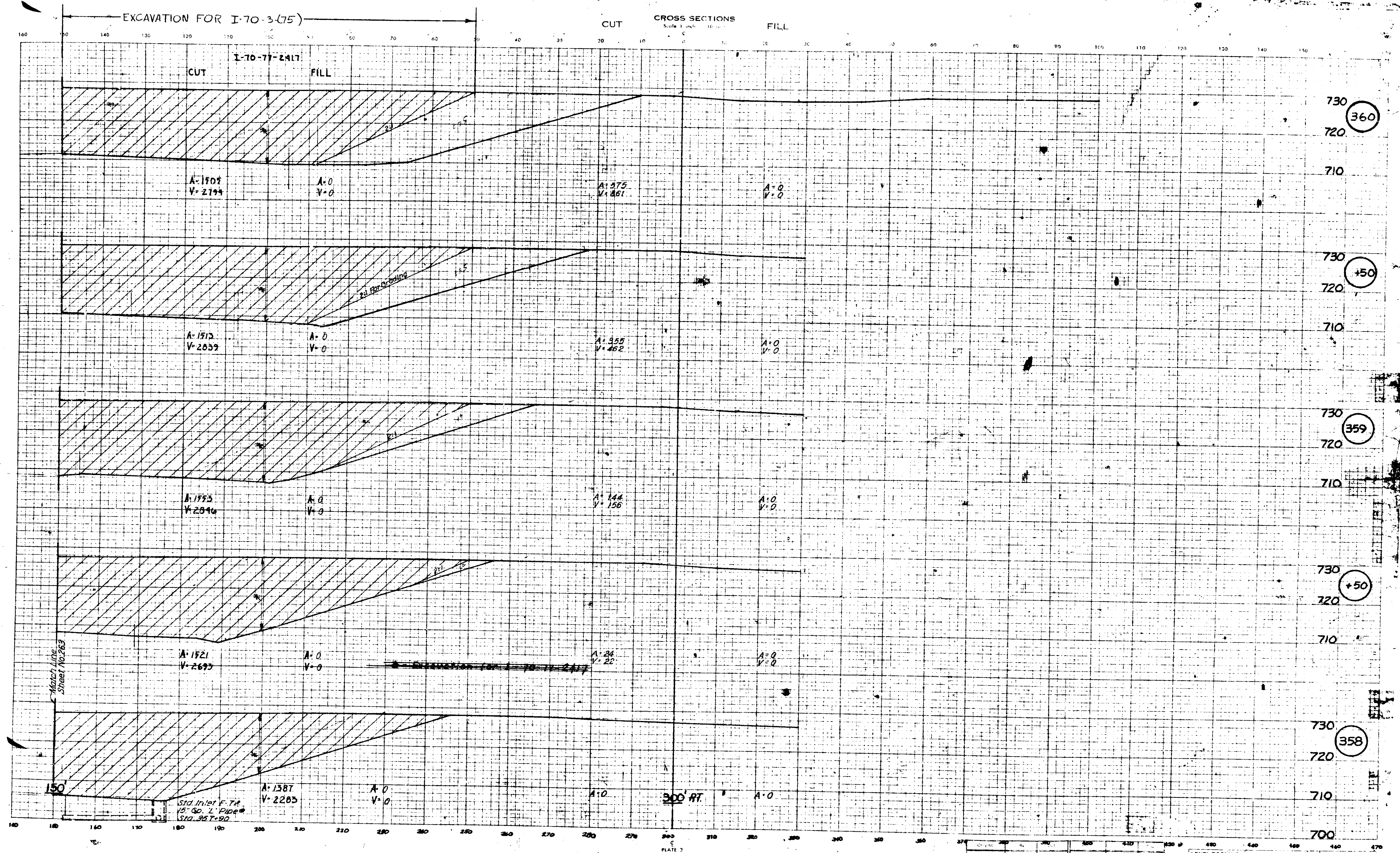


GRADING PLAN
SCALE 1" = 50'

SEE SHEET NO. 82

PROJ.	LINE	SHEET	TITLE
I-65-3	106	83	138C

Grade to drain into existing Sanitary Sewer



INCIDENTAL CONSTRUCTION

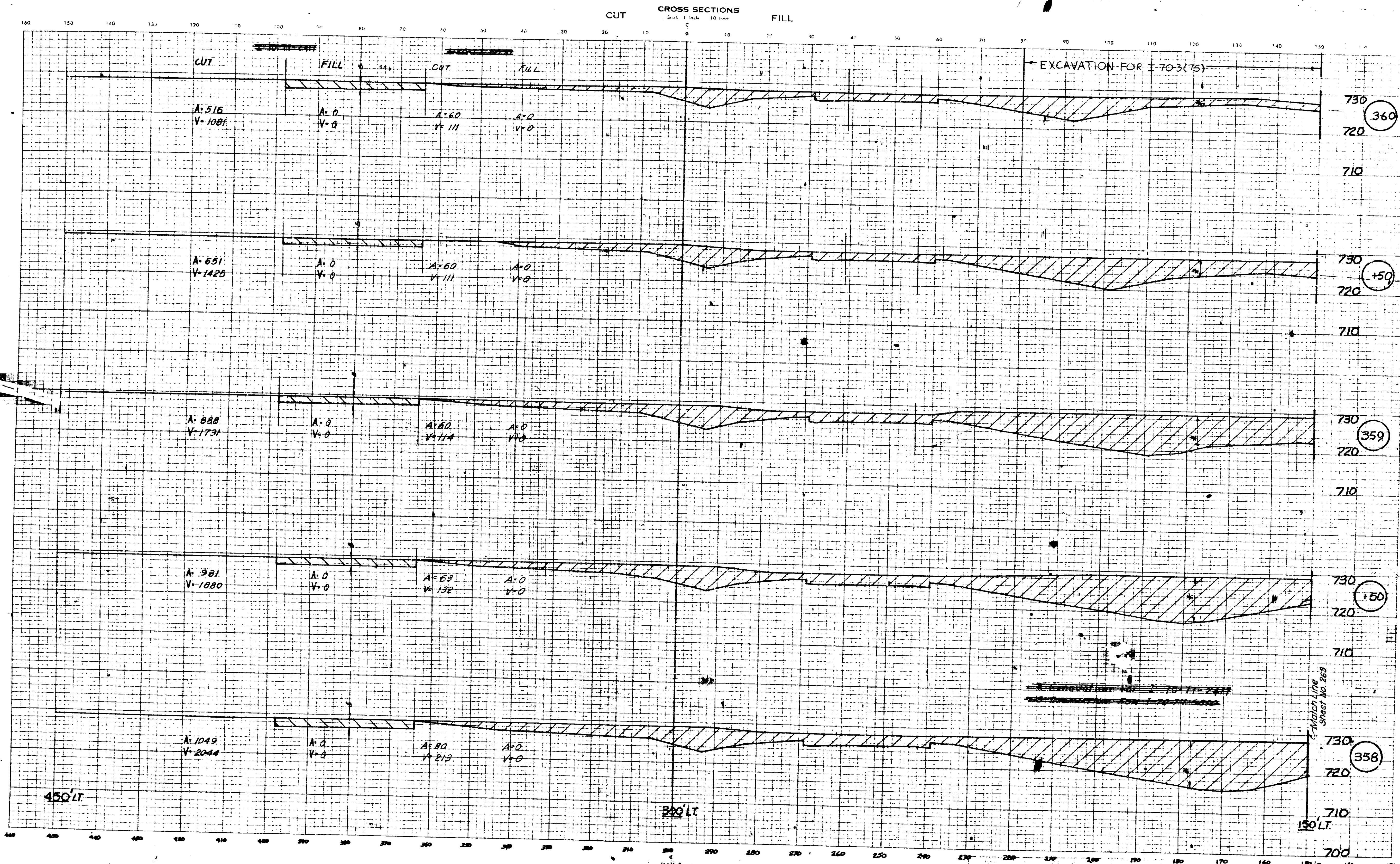


PLATE 3
NOV 18 1961

1-70
E.P.S. 1-67

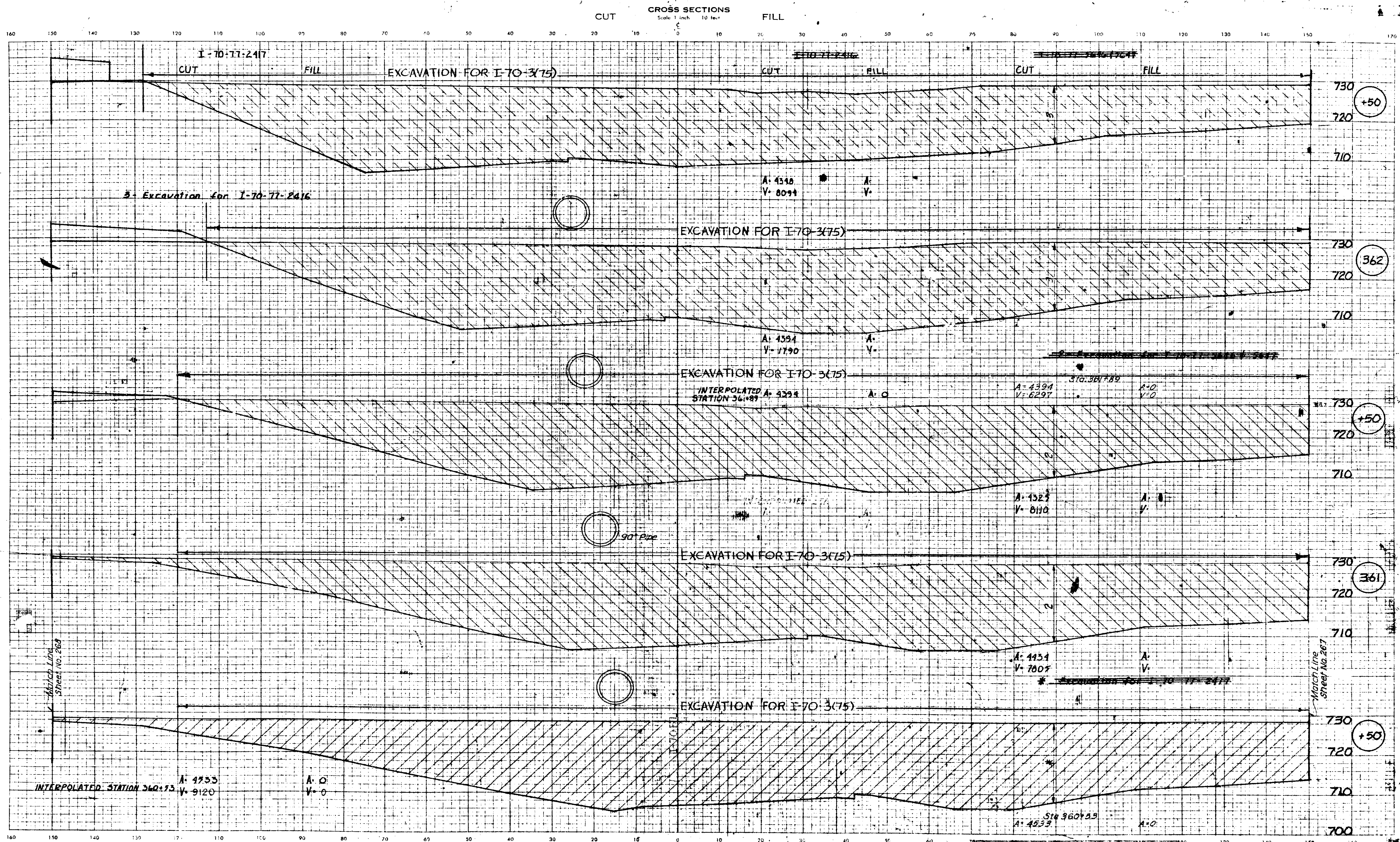
C.E.G. 9-70

LEVEL BOOK NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	IND. 288-000000	1967	269	282

Match line sheet no. 269

I-70-3(75) LINE 1-70BL 300 LT.

INCIDENTAL CONSTRUCTION



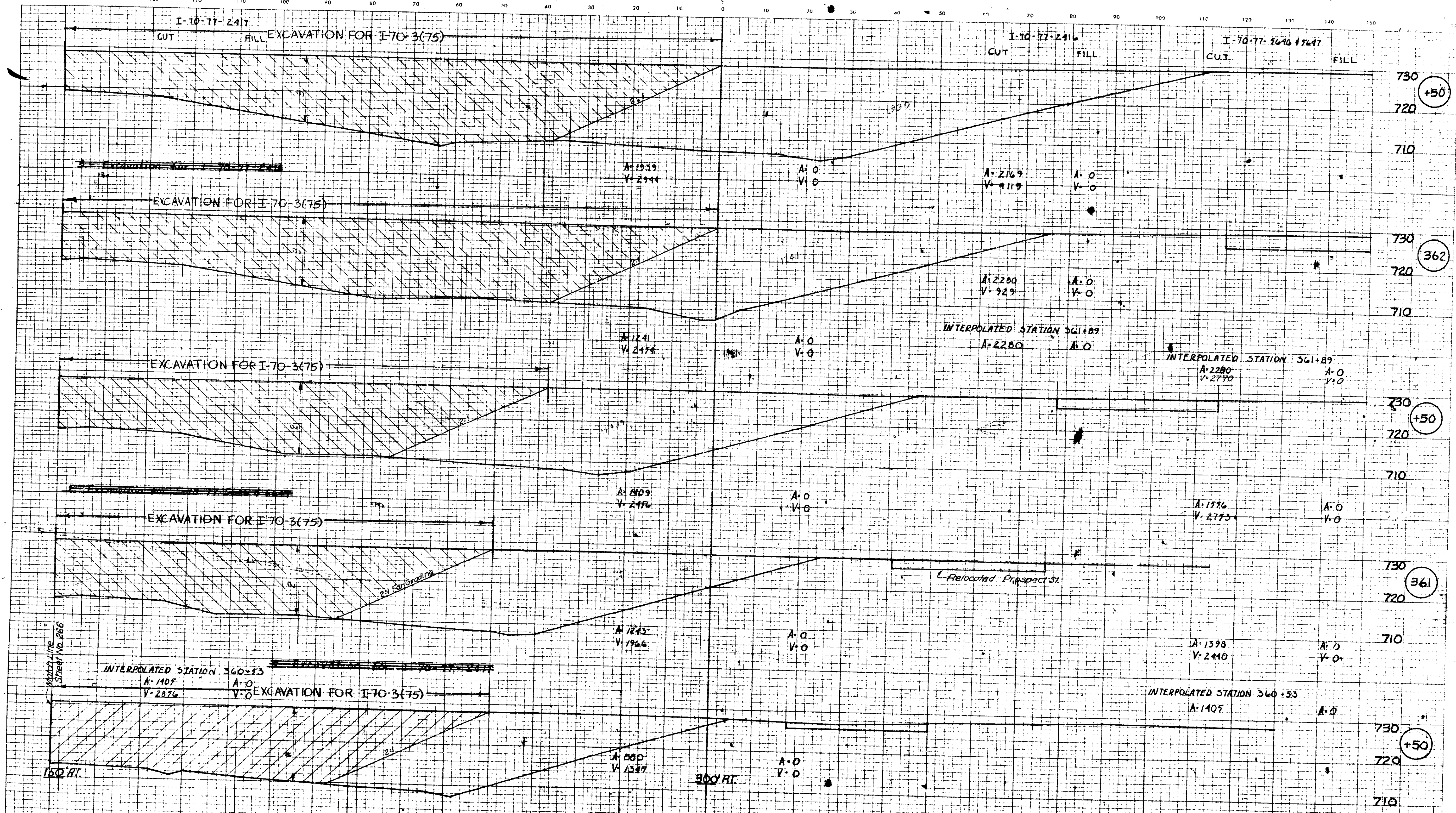
November 1961

LEVEL BOOK NO.	FILE
FEDERAL ROAD REGION NO.	STATE
IND. 4	IND. 4
IND. 100-30001	IND. 100-30001
I-70-3(75)	LINE I-70 BL

CEB 9-70

INCIDENTAL CONSTRUCTION

CROSS SECTIONS
Scale 1 inch = 10 feet

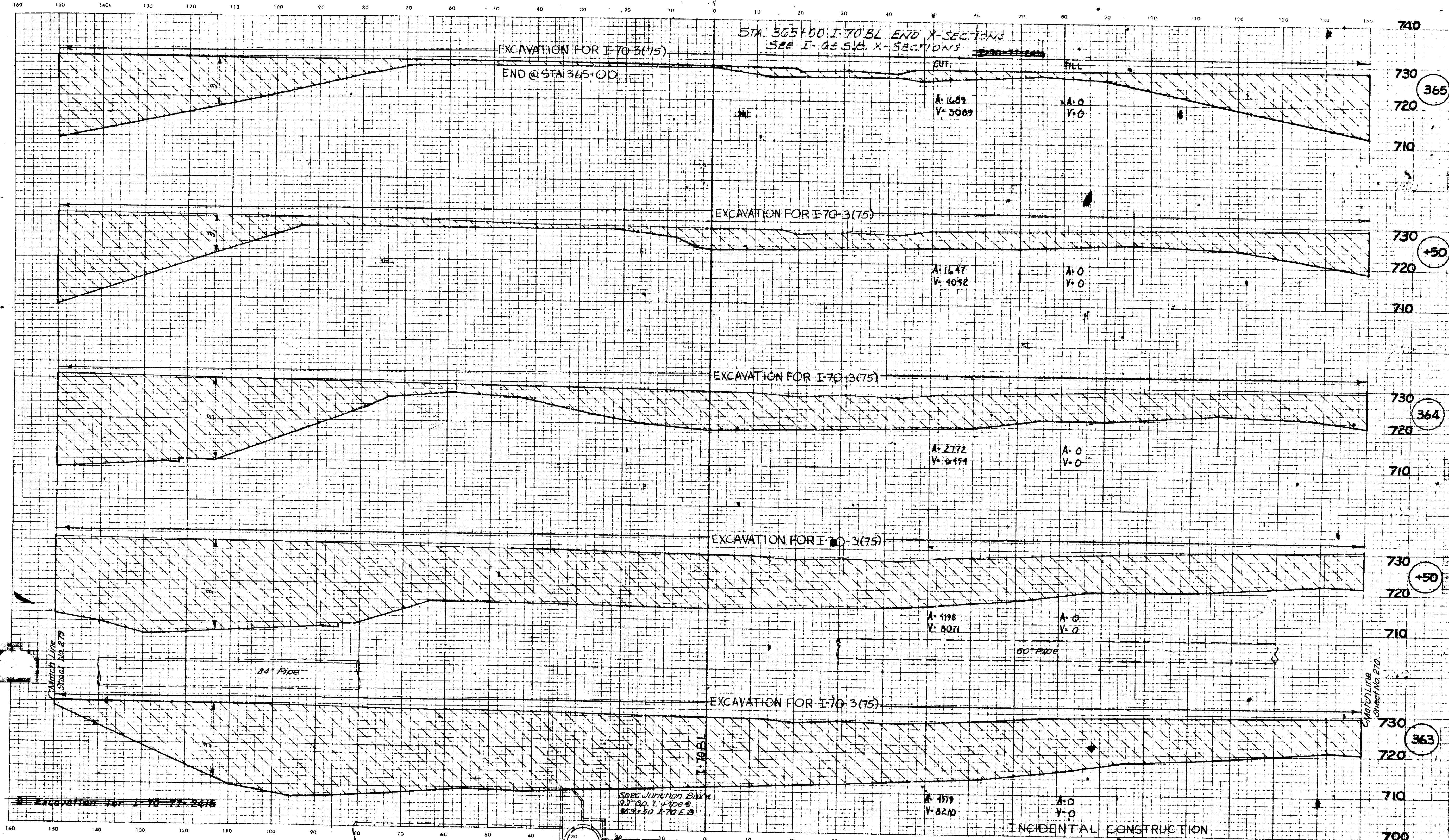


INCIDENTAL CONSTRUCTION

November 6, 1961

LEVEL BOOK NO.	FILE
FEDERAL ROAD DISTRICT	PROJECT NO.
STATE	PLAN NO.
NO.	SHEET NO.
IND. 1389	267
LINE 1389	267
CE.G. 9-70	1389

CUT CROSS SECTIONS FILL
Scale 1 inch = 10 feet



Match Line
Sheet No. 279

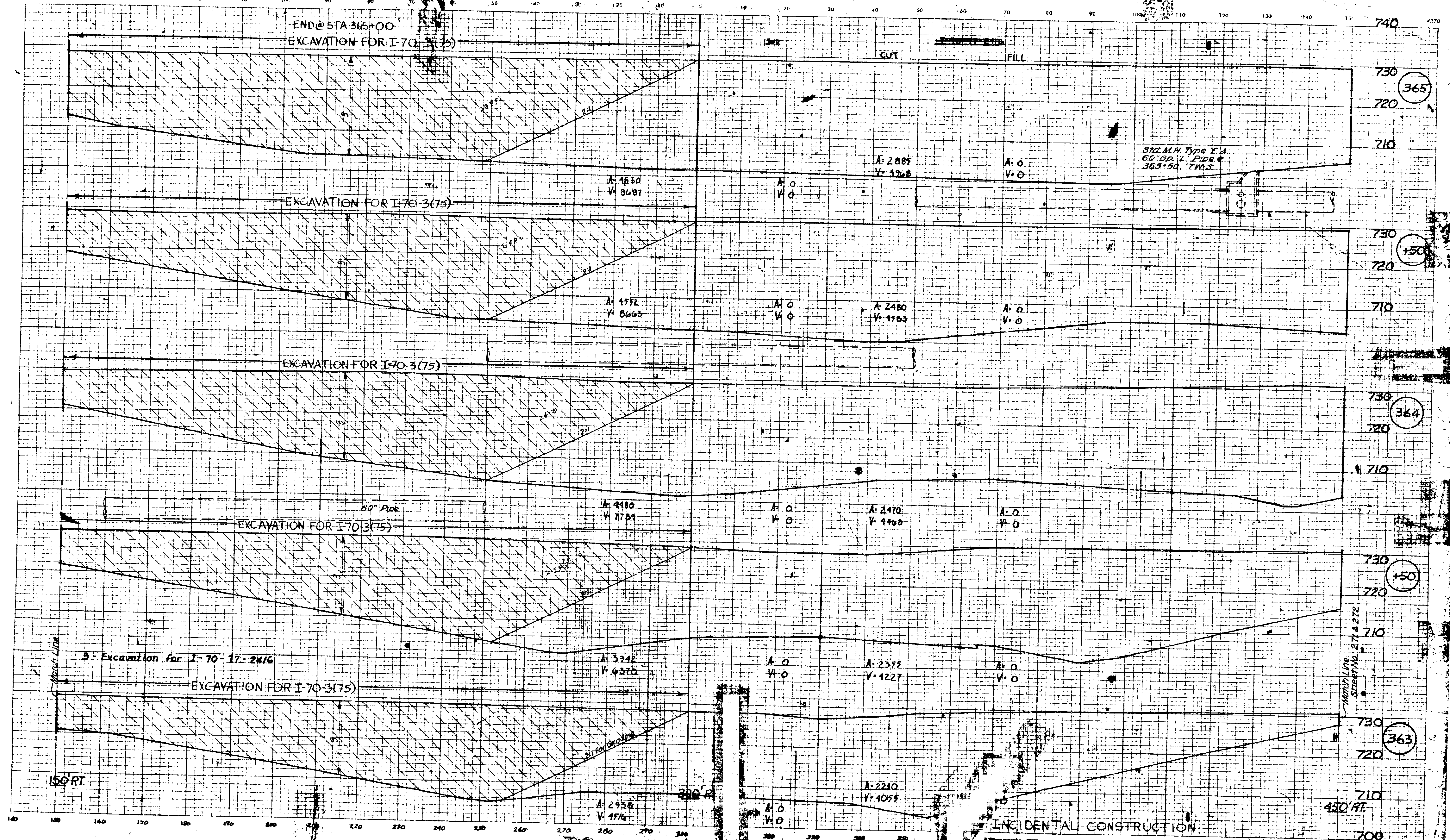
Match Line
Sheet No. 270

Spec. Junction Box
30" dia. 1" Pipe
30" x 30" I-70 E.B.

November 6, 1961

LEVEL BOOK NO.	FEDERAL ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				197	699	

CROSS SECTIONS
CUT FILL



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	IND.	197	67	138

LEVEL BOOK NO. _____

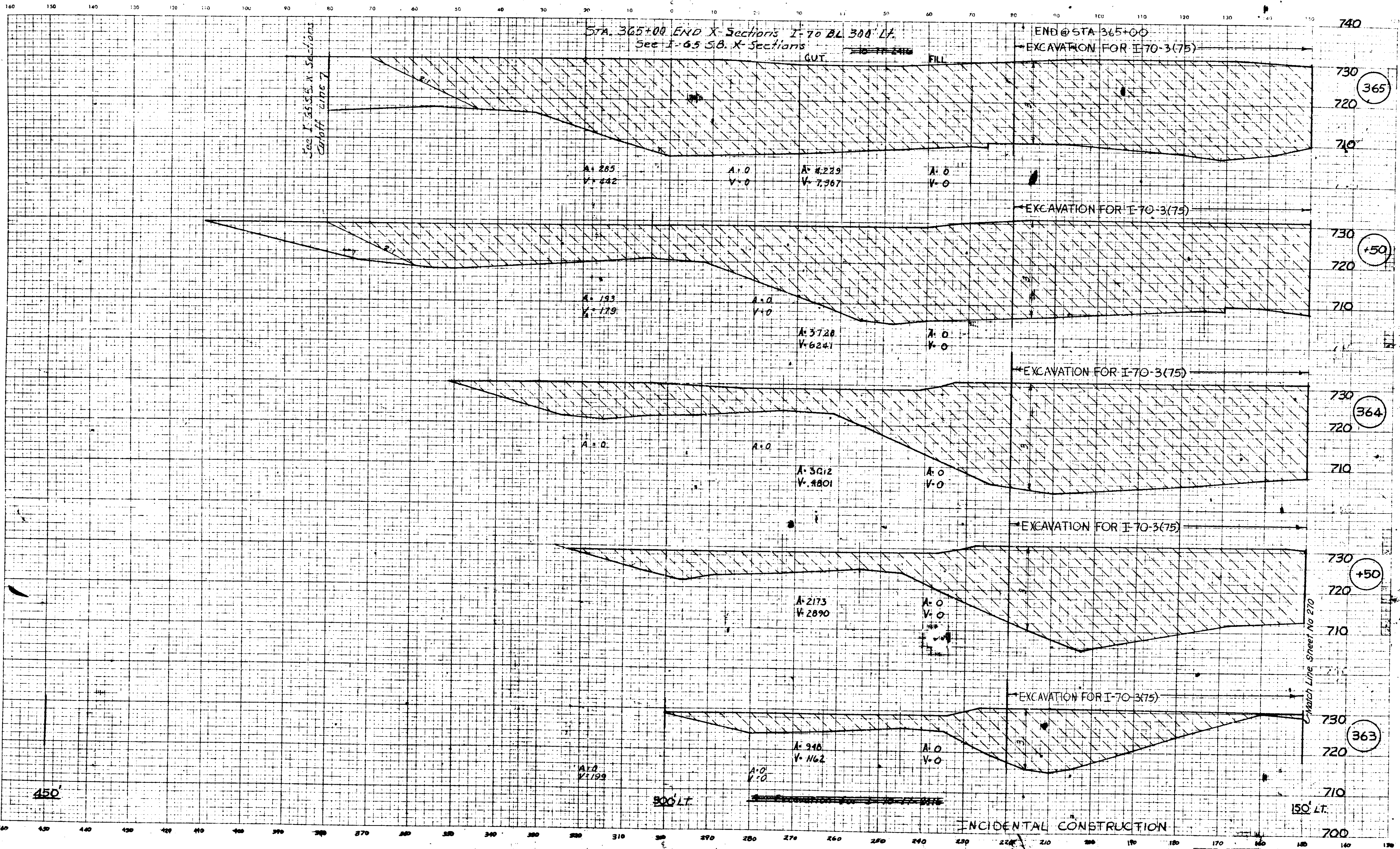
FILE NO. _____

DATE _____

SCALE _____

PROJECT: I-70-3(75) LINE 365+00

CROSS SECTIONS
Scale 1 inch = 10 feet



LEVEL BOOK NO.	FILE
FEDERAL ROAD DISTRICT	PROJECT NO.
STATE	FISCAL YEAR
SECTION NO.	SHEET NO.
197	197
1-70-3(75)	LINE
300 FT.	

450'

300' LT.

150' LT.

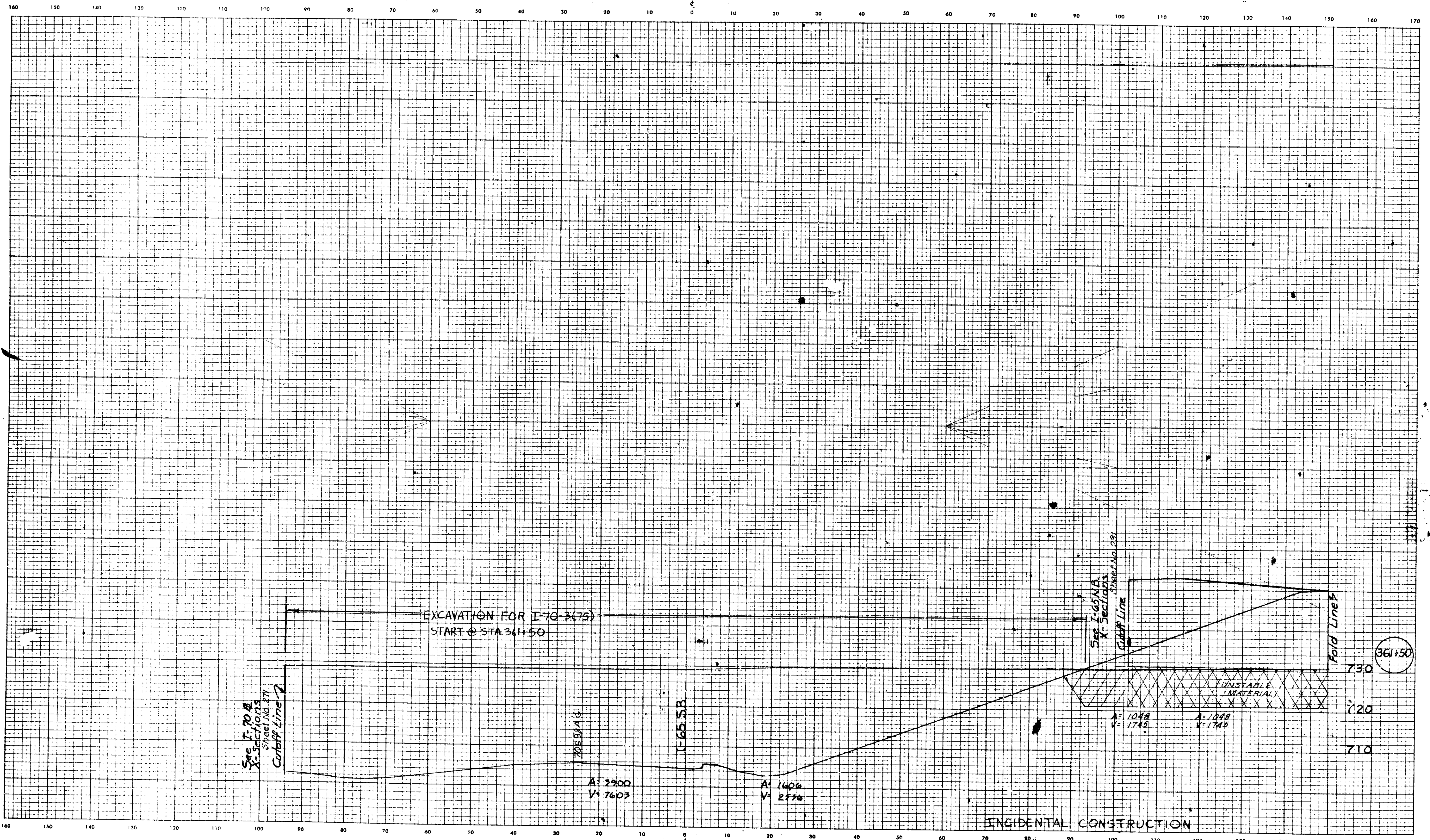
INCIDENTAL CONSTRUCTION

PLATE 3

12-66

CEG

CROSS SECTIONS
Scale 1 inch = 10 feet



See I-70-B
X-Sections
Sheet No. 271
Cutoff Line

See I-65-NB
X-Sections
Sheet No. 29
Cutoff Line

708.97A G

I=65.58

A=2900
V=7603

A=1606
V=2776

A=1042
V=1743

A=1048
V=1745

UNSTABLE MATERIAL

EXCAVATION FOR I-70-3(75)
START @ STA. 361+50

Fault Line

361+50

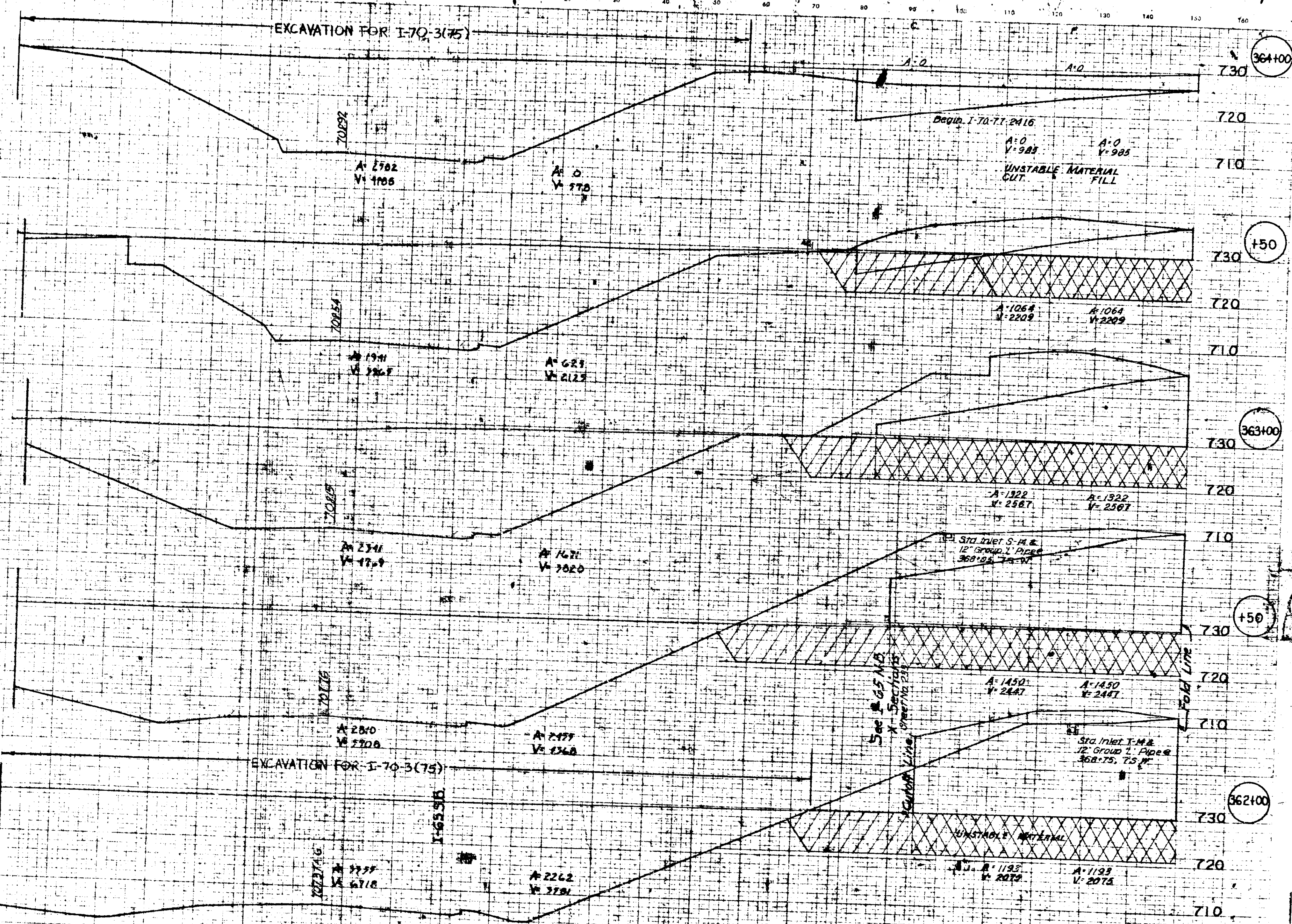
INCIDENTAL CONSTRUCTION

November 6, 1961

G.R. 9-67
C.E.G. 9-70

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
4	IND.	19-253	1967
I-70-3(75) LINE I-65SB			138K

CROSS SECTIONS
CUT FILL



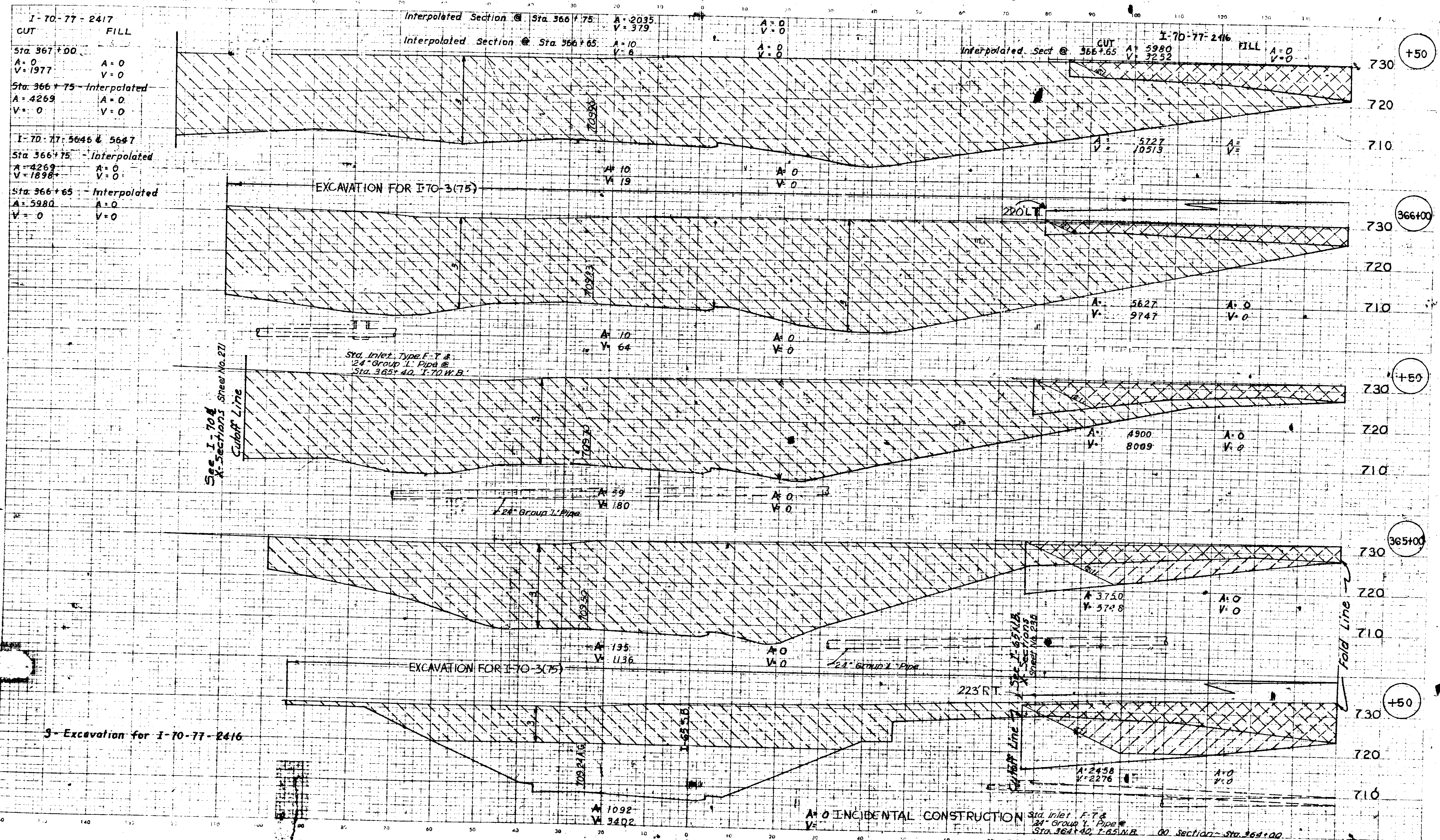
See I-70 &
X-Sections
Sheet No. 271
Cutoff Line 7

See I-65 &
X-Sections
Sheet No. 259
Cutoff Line 7

November 6, 1961

LEVEL BOOK NO.	FILE
PROJECT NO.	DATE
END. NO.	BY
I-70-3(75) LINE I-65.5B	

CUT CROSS SECTIONS FILL



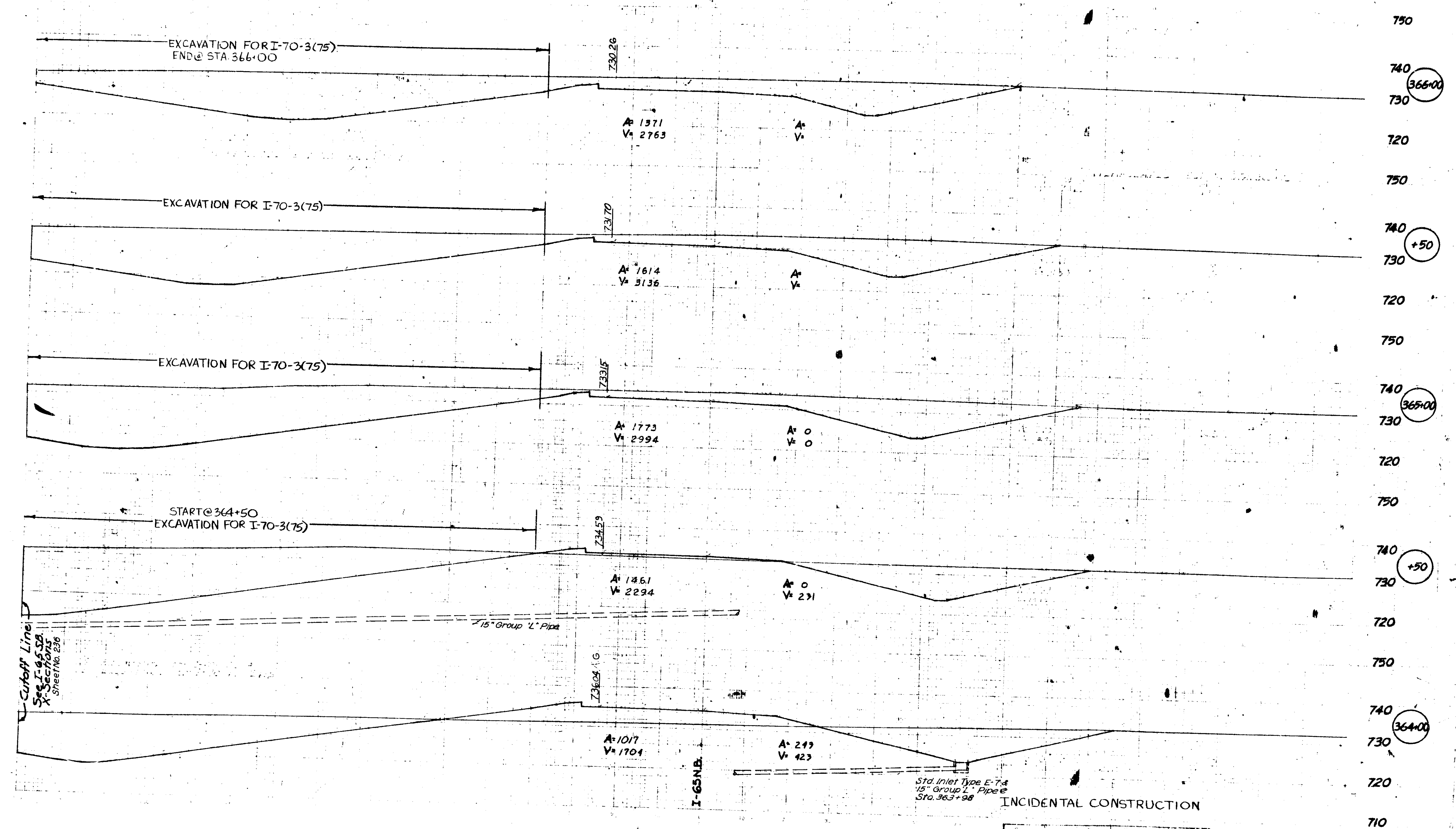
I-70-77-2417
 CUT FILL
 Sta 367+00
 A=0 V=1977
 Sta 366+75-Interpolated
 A=4269 V=0
 I-70-77: 5646 & 5647
 Sta 366+75-Interpolated
 A=4269 V=1898
 Sta 366+65-Interpolated
 A=5980 V=0

INCIDENTAL CONSTRUCTION
 Sta Inlet F-7 &
 24" Group 1 Pipe @
 Sta 364+40, I-65 NB
 00 Section - Sta 364+00

November 6, 1961

LEVEL BOOK NO.	FILE
FEDERAL ROAD DISTRICT	SHEET
PROJECT NO.	DATE
4	IND 1961
I-70-3(75) LINE I-65 SB	
138 M	

CUT CROSS SECTIONS



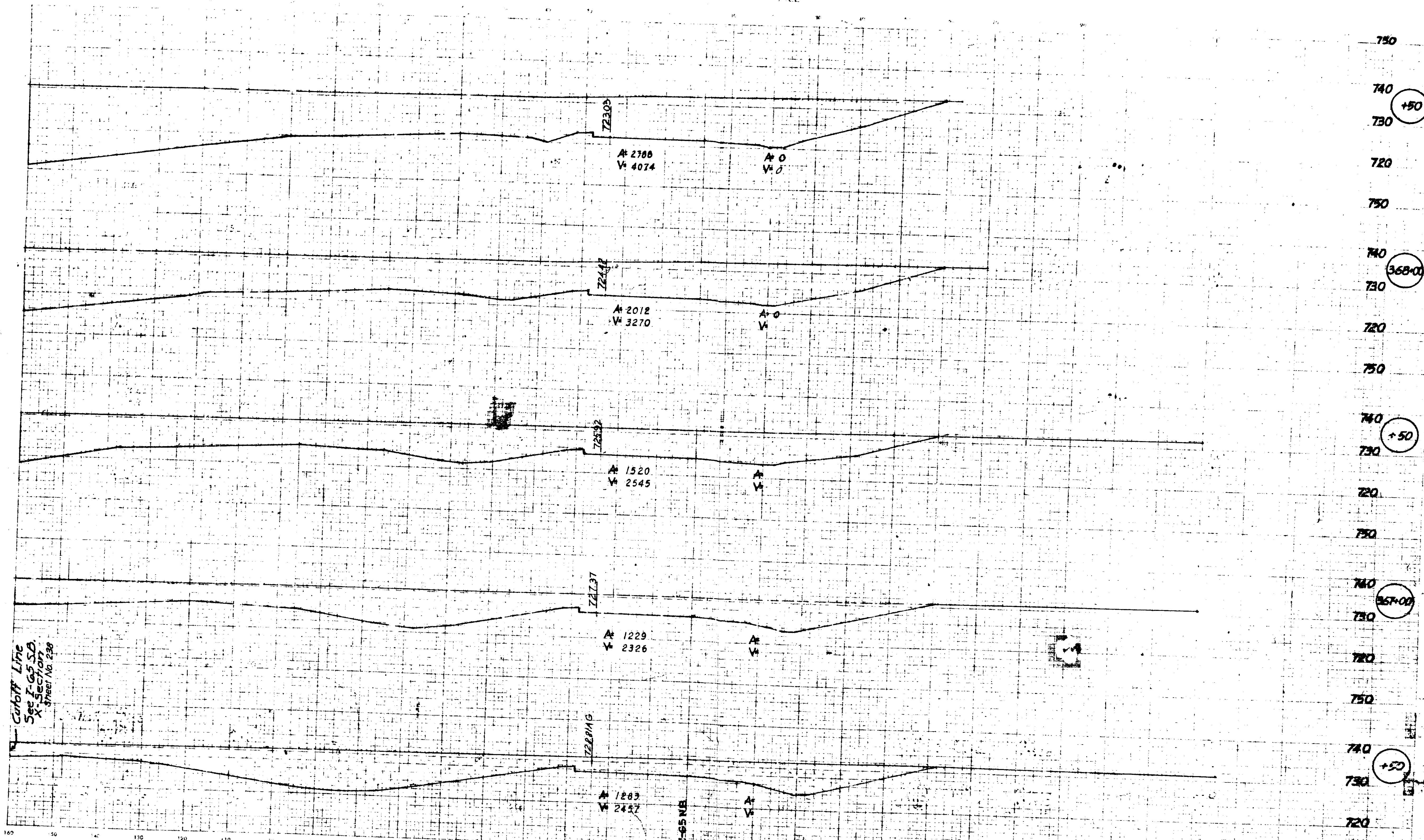
Cut-off Line
See I-65.52
X-sections
Sheet No. 236

November 5, 1961

G.G.R.	3-57
C.E.C.	0-70

I-70-3(75) I-65 NB 188

CUT CROSS SECTIONS FILL

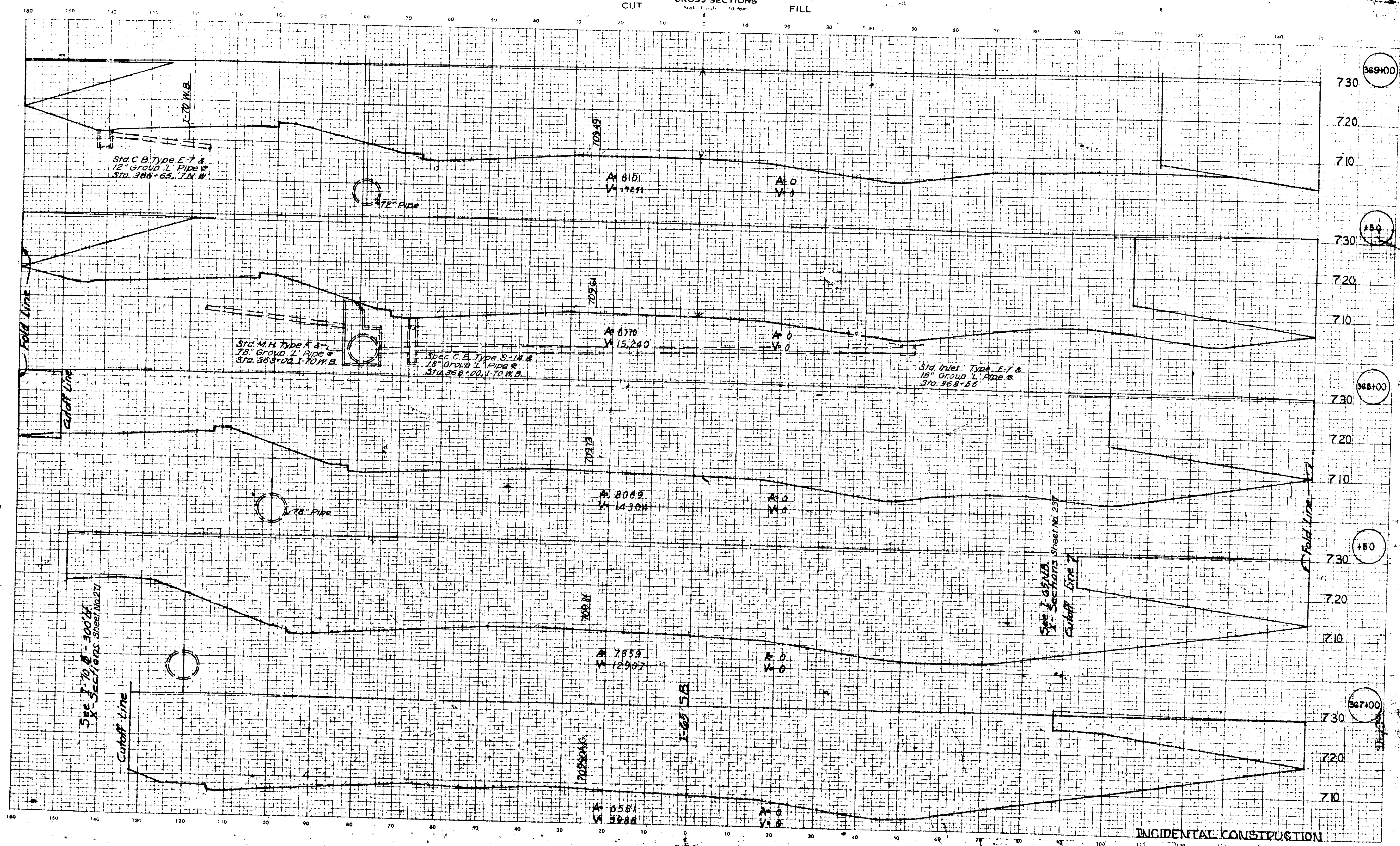


Cut-off Line
See I-65 SB
X Section
Sheet No. 238

INCIDENTAL CONSTRUCTION

DATE	6/27
BY	CE
CHECKED	7/0
LEVEL BOOK NO.	
IND. 468-2406H	BT
X-70-3(75)	LI

CROSS SECTIONS
Scale: 1 inch = 10 feet



November 6, 1948

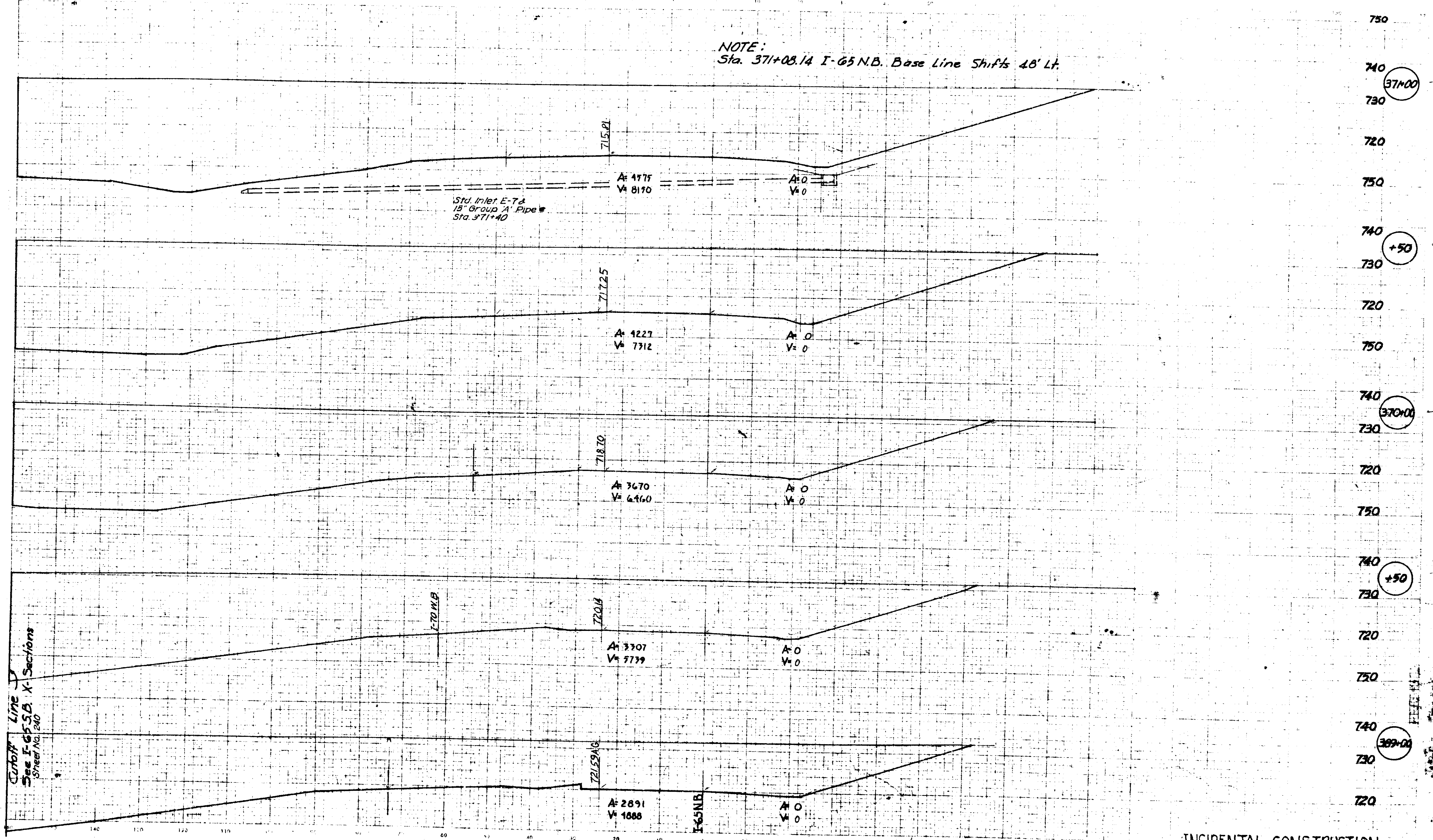
INCIDENTAL CONSTRUCTION

LEVEL BOOK NO.	STATE	PROJECT NO.	FISCAL YEAR	FILE NO.	TOTAL SHEETS
4	IND.	3-68-3000	1948	138Q	202

LINE I-655B
138Q

CROSS SECTIONS
FILL

NOTE:
Sta. 371+08.14 I-65 N.B. Base Line Shifts 48' Lt.



750
740
730
720
710
700
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
460
450
440
430
420
410
400
390
380
370
360
350
340
330
320
310
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

Cut-off Line
See E-65 SB X-Sections
Sheet No. 240

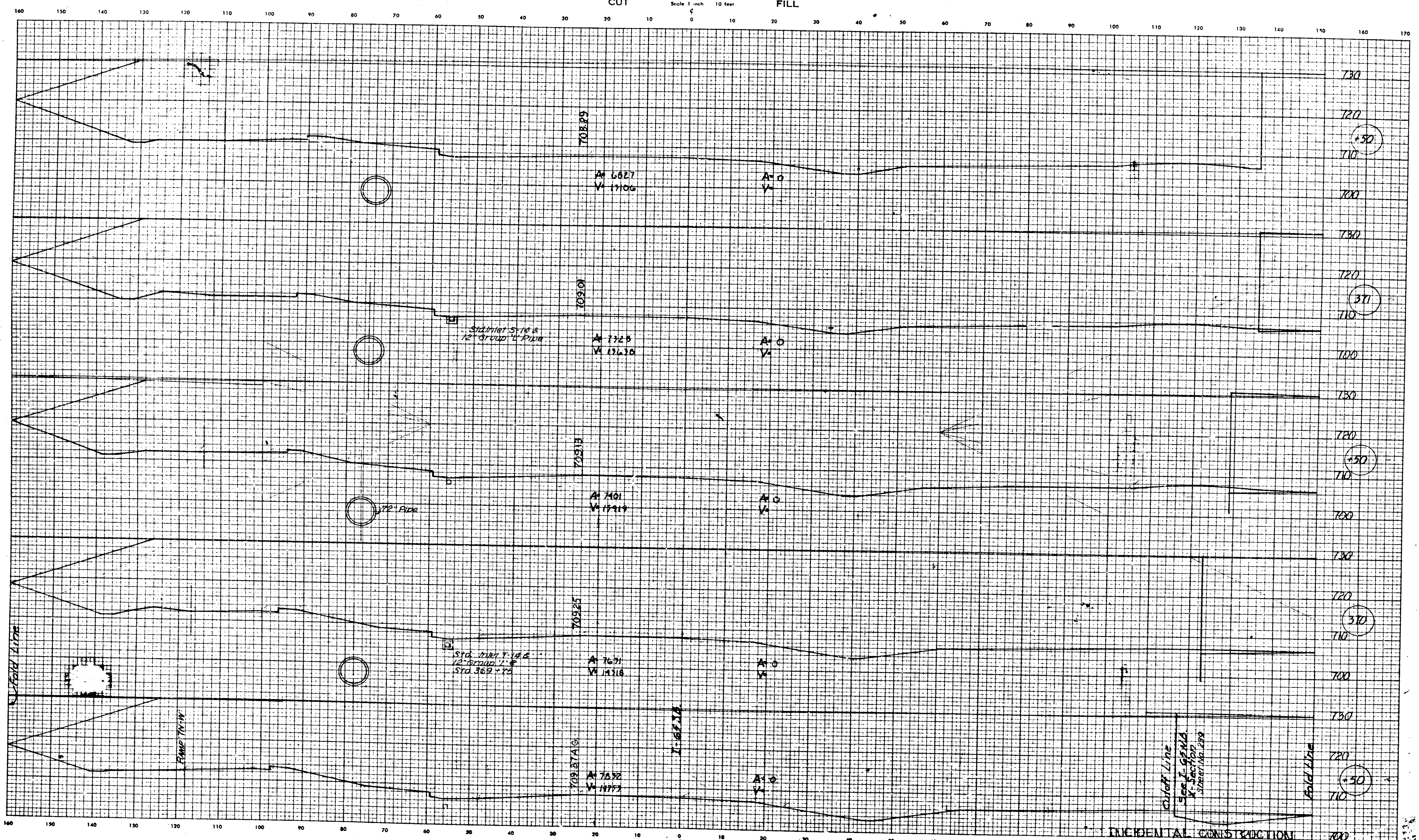
INCIDENTAL CONSTRUCTION

November 6, 1961

DATE	6/27/67
BY	C.F.

PROJECT	IND. 1-65 N.B.
SECTION	1-70-X(1)
DATE	11/6/61
BY	C.F.

CUT CROSS SECTIONS FILL
Scale 1 inch = 10 feet



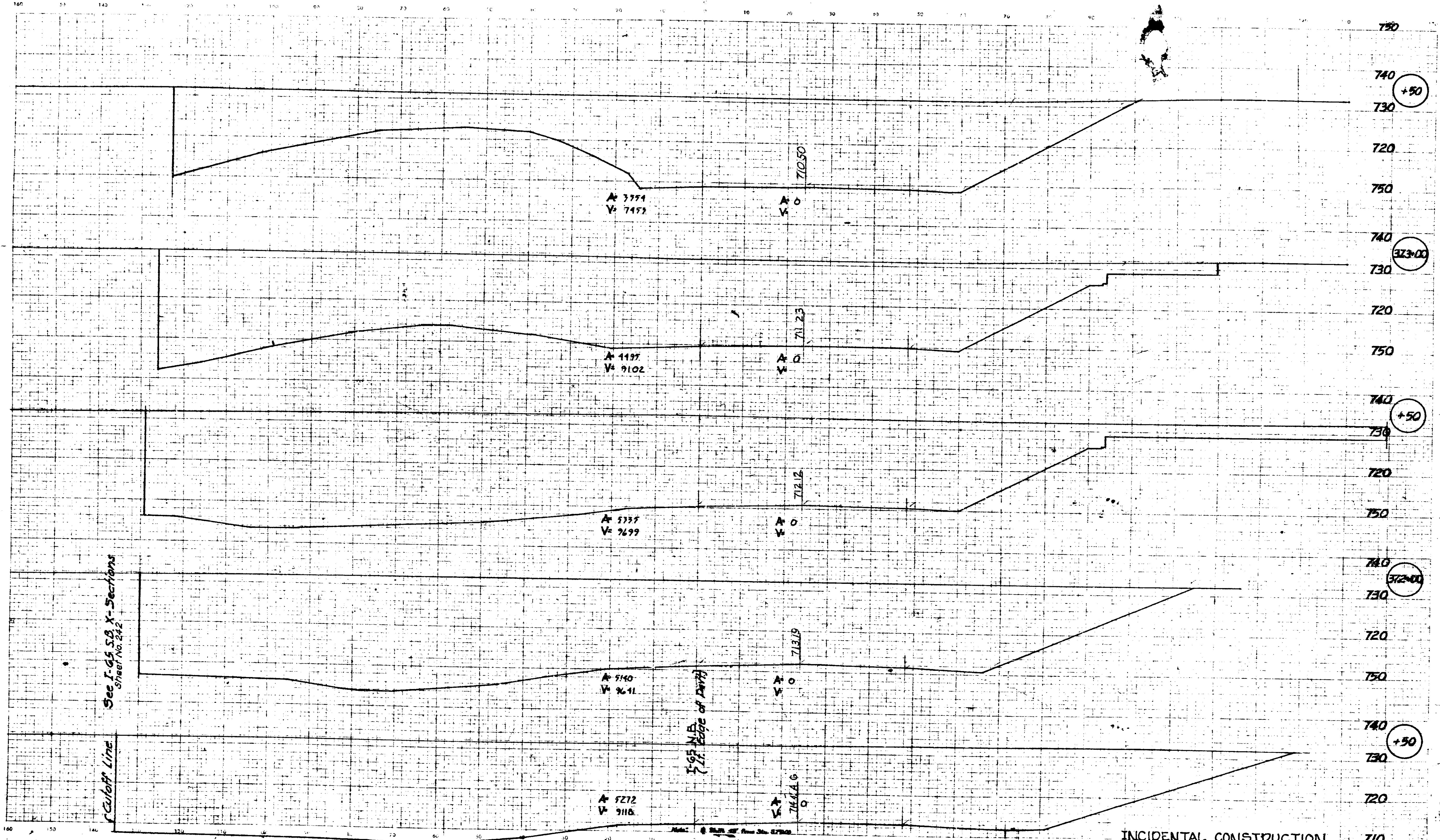
November 6, 1961

DATE	BY	CHKD.	APP.

CEB 9-70

LEVEL BOOK NO.		FILE	
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR
4	IND.	1-60-3705	1960
		SHEET NO. 222	
		TOTAL SHEETS 222	
		I-70-3(75) LINE I-65 S.S.	
		1385	

CROSS SECTIONS
 CUT FILL



See I-65 SB X-Sections
 Sheet No. 242

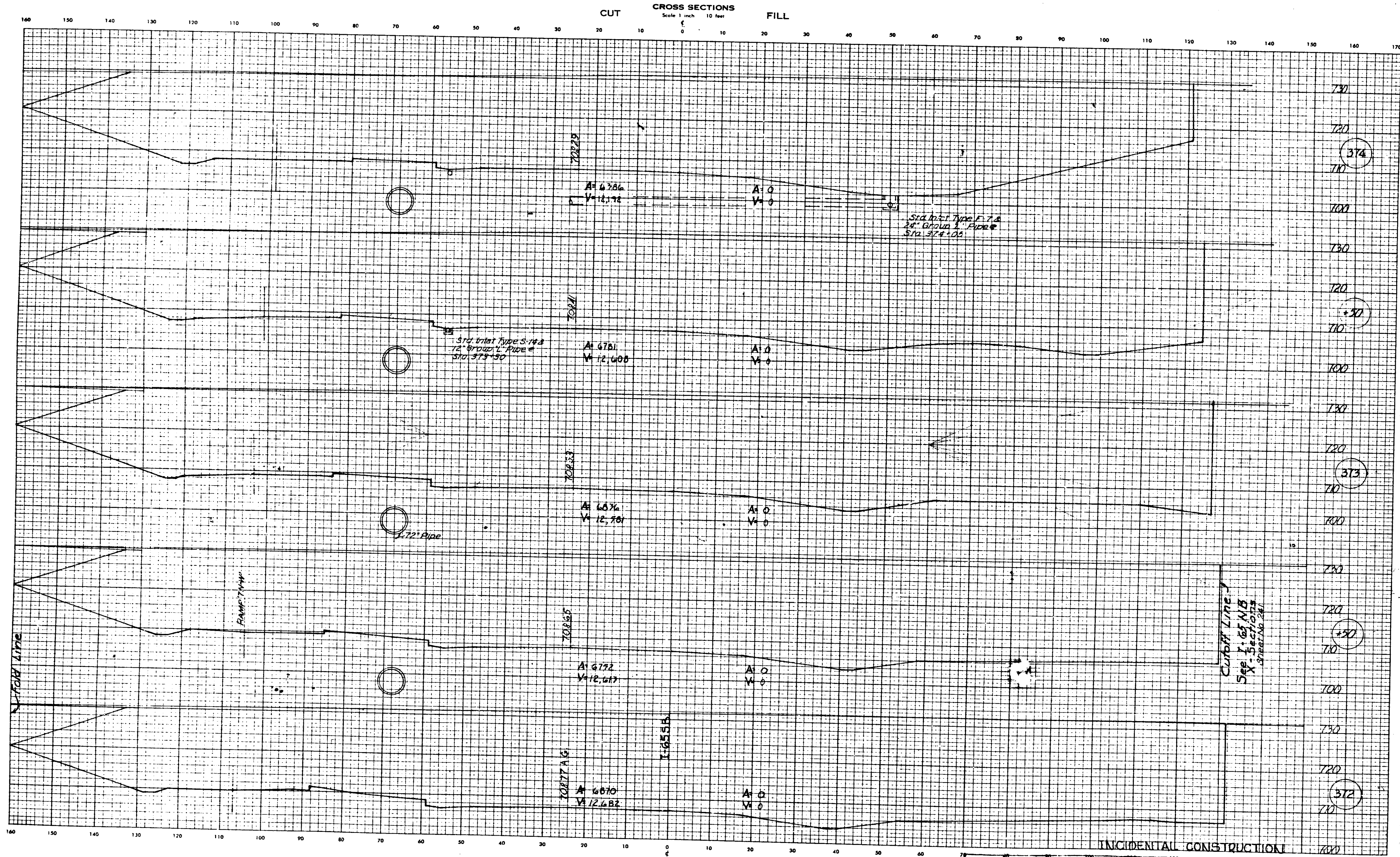
Top of Ditch
 (17' Edge of Ditch)

INCIDENTAL CONSTRUCTION

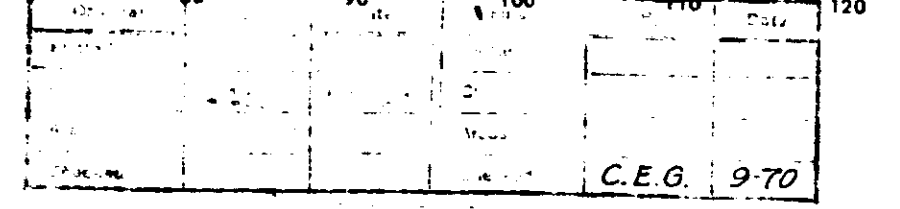
November 6, 1961

Checked	Date	By	Date
		GGB	9-67
Checked	Date	By	Date
		CG	9-70

PROJECT	FILE
NO. 1-65 SB	LINE I-65 NB
BY	DATE
GG	9-70

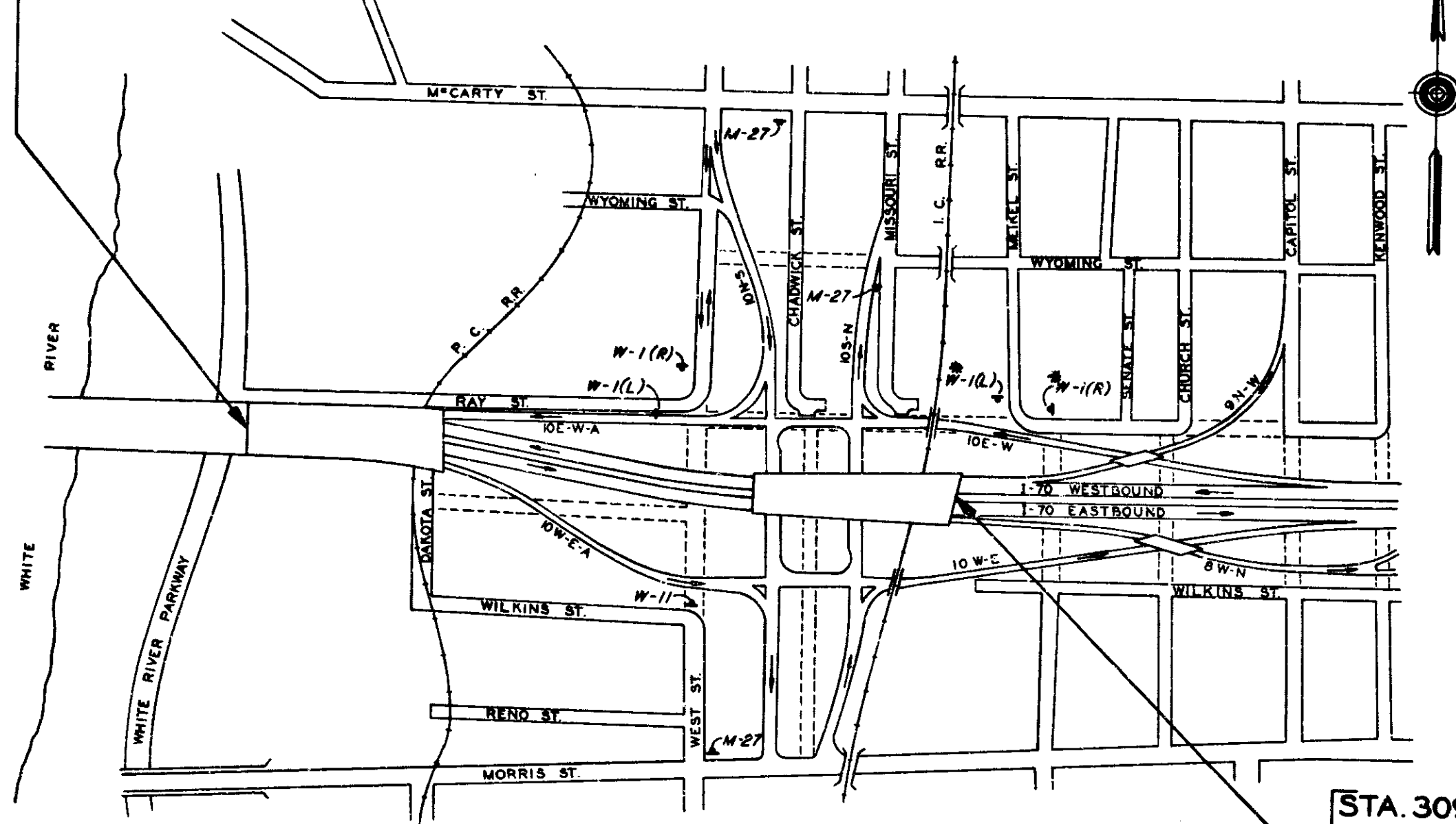


November 6, 1961



LEVEL BOOK NO.		FILE	
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR
4	IND.	165-3006(III)	1970
		SHEET NO.	TOTAL SHEETS
		242	262
LINE I-65 S.B.			
138 U			

STA. 903 + 44.01 BACK
 END I PROJ. 70-3(57)75
 STA. 290 + 45.97 AHEAD
 BEGIN I PROJ. 70-3(75)77



CITY STREET SIGNS

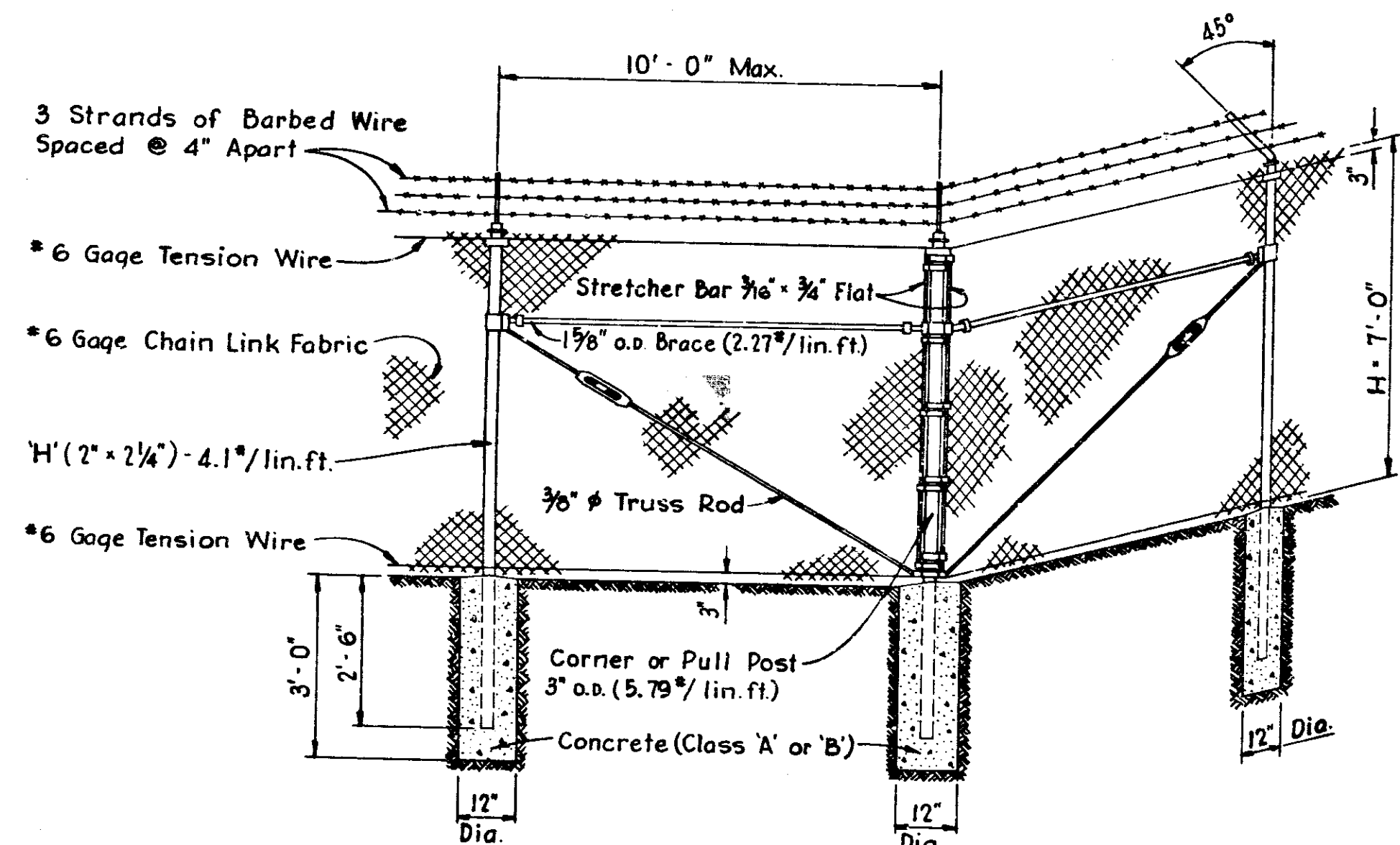
SCALE: 1" = 300'

STA. 309 + 99.56
 END I PROJ. 70-3(75)77
 BEGIN I PROJ. 70-3(71)77

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	139	237

GUARD RAIL REQUIREMENTS

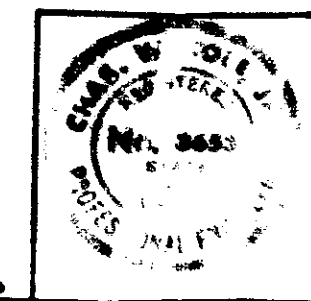
LOCATION	STATION TO STATION	LEFT	MEDIAN	RIGHT	TYPE				
					'A'	'B'	CONC. MEDIAN BARRIER WALL	'E'	'G'
LINEAR FEET									
10 E-W-A	296+55 - 297+54	•							99
10 E-W-A	297+54 - 303+30	•				575			
S. West St. @ 10 E-W-A					30				
I-70	296+56 - 304+16		•				760		
I-70	302+83.5 - 304+20			•					136.5
I-70	303+84.5 - 304+13	•							28.5
10 W-E-A	296+59 - 296+86			•					27
10 W-E-A	296+86 - 302+01			•		515			
S. West St. @ Wilkins St. Turnaround					30				
Chadwick St. Turnaround					30				
Missouri St. Turnaround					30				
SUB-TOTALS					120	1,090	760		291



INCLUDED IN I-70-3(69)77
DETAIL OF SPECIAL CHAIN LINK TYPE FENCE
WITH 3 STRAND BARBED WIRE
 TO REPLACE EXISTING SECURITY FENCE
 RIGHT OF STA. 45 + 00 "TO N-S"
 NOT TO SCALE

STRIPING	
LOCATION	SKIP @ (1/10 * T)
WEST ST. & RAY ST. CONNECTION	24 L.F.
WEST ST. & WILKINS ST. CONNECTION	24 L.F.
CHADWICK ST. TURNAROUND	45 L.F.
MISSOURI ST. TURNAROUND	45 L.F.
WILKINS ST. & RAY ST. CONNECTION	326 L.F.

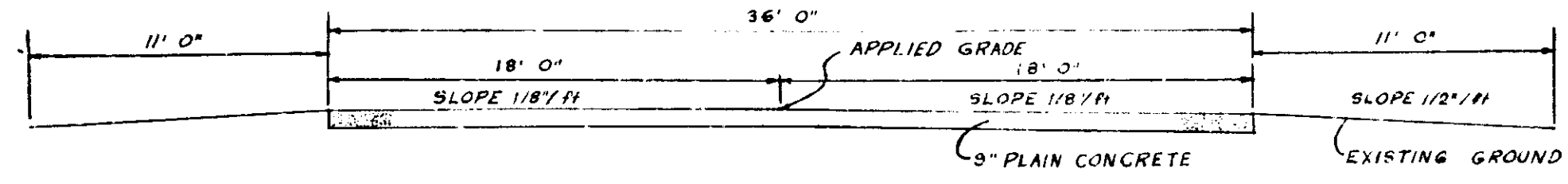
BRIDGE PROJ.
 I-70-3(69)77



REVISION	DATE	BY	NO.	DESCRIPTION
75	1/41		237	

Rev 3-21-72 Maintenance of West St. Traffic
 Rev. 6-25-74 Added 70' Radius & Full
 Depth Passing Blister

END PROJECT I-70-3 (57)75 STA. 903+44.01
 BEGIN PROJECT I-70-3 (75)77 STA. 290+45.97



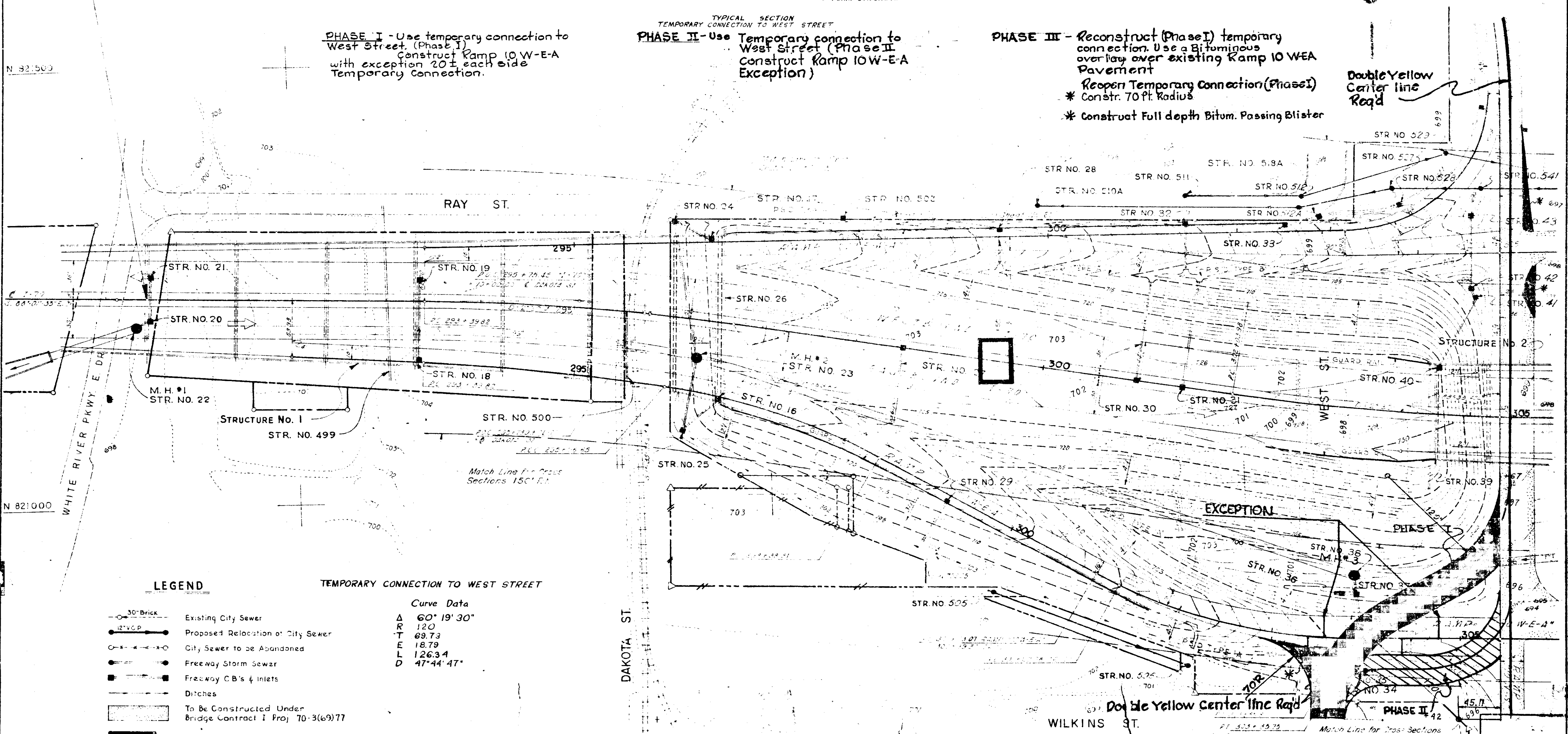
PHASE I - Use temporary connection to West Street (Phase I) Construct Ramp 10 W-E-A with exception 20± each side Temporary Connection.

PHASE II - Use Temporary connection to West Street (Phase II Construct Ramp 10 W-E-A Exception)

PHASE III - Reconstruct (Phase I) temporary connection. Use a Bituminous overlay over existing Ramp 10 WEA Pavement
 Reopen Temporary Connection (Phase I)
 * Constr. 70 Ft. Radius
 * Construct Full depth Bitum. Passing Blister

Double Yellow Center line Road

Add this sheet to Bridge Feb I-70-77-2416



LEGEND

- 30" Brick Existing City Sewer
- 12" V.C.P. Proposed Relocation of City Sewer
- City Sewer to be Abandoned
- Freeway Storm Sewer
- Freeway C.B.'s & Inlets
- Ditches
- To be Constructed Under Bridge Contract I Proj. 70-3(69)77
- Unsuitable Material

TEMPORARY CONNECTION TO WEST STREET

Curve Data

Δ	60° 19' 30"
R	120
T	69.73
E	18.79
L	126.34
D	47° 44' 47"

* Full Depth Bitum. Passing Blister

TEMPORARY CONNECTION TO WEST STREET
 PROJECT: I-70-3(69)77
 BRIDGE CONTRACT NO. B-8534
 BRIDGE I-70-77

SCALE: 1" = 50'

2-10-77

END PROJECT I-65-3(106)III
 BEGIN PROJECT I-65-3(III)II2
 STA 390+78.50

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(179)77	197	142	297

STA 903+44.01 BK.
 END I PROJECT 70-3(57)75
 STA 290+45.97 AHEAD
 BEGIN I PROJECT 70-3(75)77

STA. 314+00.00
 END I-PROJ. 70-3(75)77
 BEGIN I-PROJ. 70-3(77)77

STA 351+60
 END PROJECT I-70-3(71)77
 LIMIT OF CONST. PROJ. I-65-3(106)II
 END PROJECT I-70-3(72)77

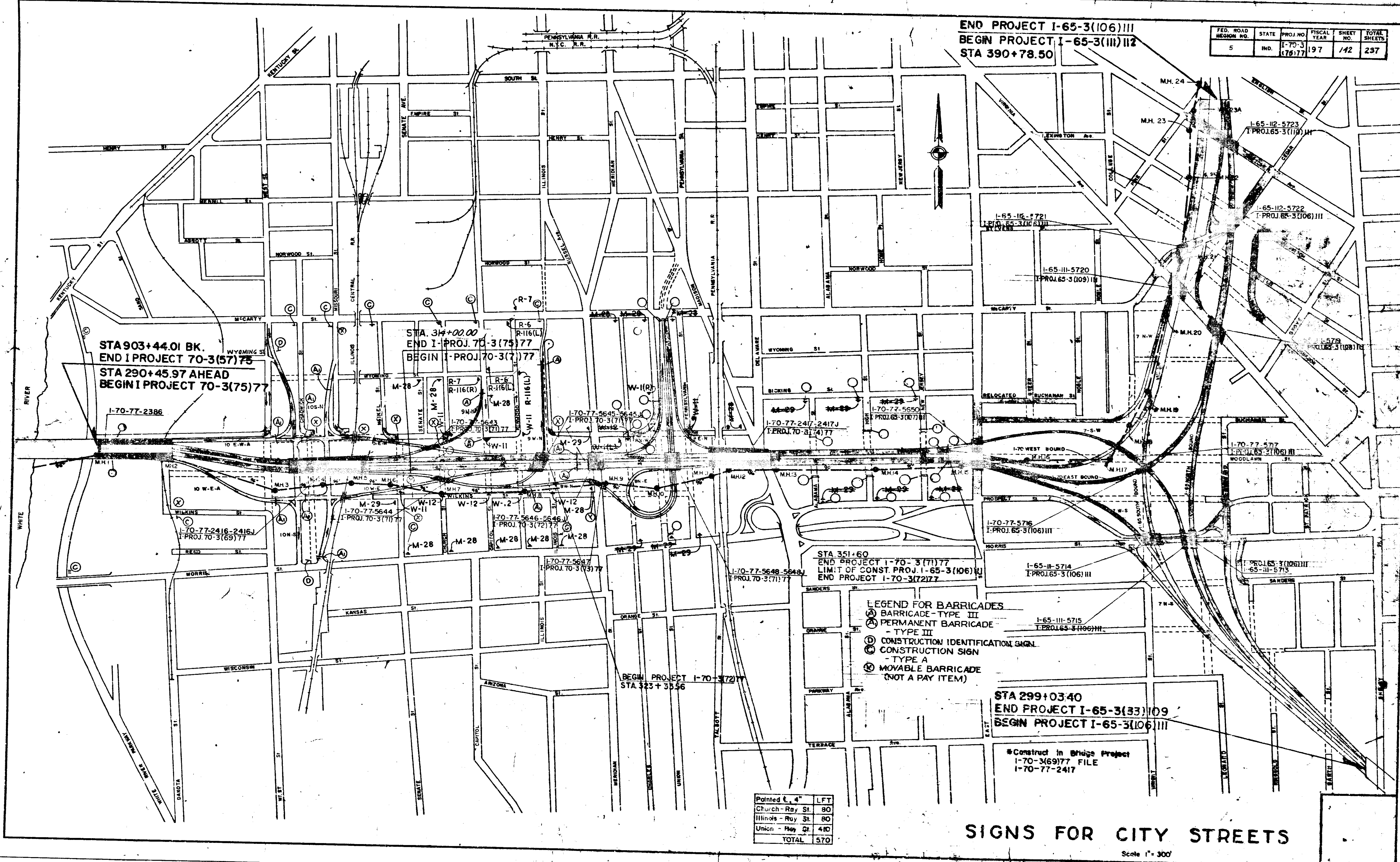
STA 299+03.40
 END PROJECT I-65-3(33)109
 BEGIN PROJECT I-65-3(106)III

*Construct in Bridge Project
 I-70-3(69)77 FILE
 I-70-77-2417

Painted 4" LFT	
Church - Ray St.	80
Illinois - Ray St.	80
Union - Ray St.	410
TOTAL	570

SIGNS FOR CITY STREETS

Scale 1" = 300'



2-4-64/11

UNDERDRAIN SUMMARY

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	19	/43	237

LINE	STATION		LANE	6" GROUP "K" PIPE LFT.	OUTLET				AGGREGATE FOR UNDERDRAIN LFT.	CYS.	DELINEATOR POST SODDING		REMARKS
	FROM	TO			STA.	LOCATION	6" TEE	6" WYE			45° ELBOW	90° ELBOW	
E I-70	296+57	301+06	Median	448	301+08	Connect to Str. No. 30				57			
E I-70	299+00	304+16	Rt.	516	301+08	Connect to Str. No. 30							
TR C	304+00	306+00	Rt.	200	306+00	Drain under 10 N-S Pav't. to ditch on Lt. of 10 N-S			1				BRIDGE PROJ. I-70-369117
10 E-W-A	297+62	309+15.80	Lt.	552	309+15.80	SSD cont'd. on TR A				50			
TR X	46+75.79	46+50	Rt.	224	46+50	Connect to Str. No. 44			1	17			
TR X	46+50	44+55	Rt.		44+55	Connect to Str. No. 540							
TR X	44+55	43+40.62	Rt.			Cont'd. on 10 N-S							
10 N-S	43+37.38	42+80	Rt.		42+80	Connect to Str. No. 539							CONSTRUCT IN BRIDGE PROJ. I-70-369177 Drain under 10 W-E-A Pav't.
10 N-S	39+42.65	40+50	Lt.		40+50	Connect to Str. No. 537							
10 N-S	40+55	42+80	Lt.		41+90	Connect to Str. No. 536							
10 N-S	45+20	56+70	Rt.		56+20	Connect to Str. No. 565							
10 N-S	56+70	57+40	Rt.		56+70	Connect to Str. No. 565							
10 S-N	44+40	44+96	Lt.	56	45+00	Connect to Str. No. 47				4			
10 S-N	45+01	46+96	Lt.	196	47+00	Connect to Str. No. 48				19			
TR D	47+02	48+41.26	Lt.	139		Cont'd. on 10 E-W				18			
10 S-N	45+15	52+15	Lt.	400	52+17	Connect to Str. No. 55				30			
TR D	52+22.96	52+17	Lt.	377	55+17	Connect to 10 S-N				29			
10 S-N	55+17	55+68	Lt.	71	55+30	Connect to Str. No. 575				3			
10 S-N	55+92	57+55	Lt.	143	55+90	Connect to Str. No. 575				11			
10 W-E	306+81.99	309+20.78	Rt.	40	32+39.96	Connect to TR D SSD & to SSD on I-70 Ahead				3			
10 E-W	305+30	310+22.99	Rt.	563	309+75	Drain thru shoulder to ditch on Right		1	20	42	1		Drain under 10 S-N Pav't. Connect to SSD on I-70 Ahead
E I-70	299+00	304+16	Lt.	516	301+75	Drain thru shoulder	1		80	57			
E I-70	296+57	299+50	Rt.	295	299+50	Drain thru shoulder	1		100	57			
10 W-E	297+08	299+25	Rt.	63	299+25	Connect to Str. No. 59				4			
10 W-E	300+25	303+75	Rt.	480	303+75	Connect to Str. No. 57				4			
10 W-E	303+00	304+50	Rt.	140	305+30	Connect to 10 S-N SSD				16			
10 W-E	308+00	304+00	Rt.	200	304+00	Connect to TR C SSD				18			
10 W-E	306+75	308+00	Rt.	125	308+00	Connect to Str. No. 56				15			
5 Tees @ 5'										25			
2 45° Elbow @ 2'										4			
2 90° Elbow @ 2'										4			
Sub-Total				5224					5	2	1	287	494

LINE	STATION		LANE	6" GROUP "K" PIPE LFT.	OUTLET				AGGREGATE FOR UNDERDRAIN LFT.	CYS.	DELINEATOR POST SODDING		REMARKS										
	FROM	TO			STA.	LOCATION	6" TEE	6" WYE			45° ELBOW	90° ELBOW		6" FBCCS NON-PERF PIPE	EA.	SYS.							
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">5077</td> <td style="width: 10%; text-align: center;">← TOTALS →</td> <td style="width: 5%; text-align: center;">2</td> <td style="width: 5%; text-align: center;">0</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%; text-align: center;">214</td> <td style="width: 5%; text-align: center;">381</td> <td style="width: 5%; text-align: center;">3</td> </tr> </table>															5077	← TOTALS →	2	0	1	1	214	381	3
	5077	← TOTALS →	2	0	1	1	214	381	3														

November 6, 1964

PROJECT NO.	SHEET NO.	TOTAL SHEETS	FILE
I-70-3(75)77	/43	237	

STRUCTURE DATA (INDIANAPOLIS SANITARY DISTRICT)

FEDERAL ROAD REGION NO. STATE PROJECT NO. FISCAL YEAR SHEET NO. TOTAL SHEETS

Table with columns: STRUCTURE NUMBER, LOCATION, SIZE INCHES, DESCRIPTION, LENGTH FEET, SKEW, COVER, FLOW LINE UP ELEV., FLOW LINE DOWN ELEV., CONCRETE CLASSIFICATION, B. BORROW, EXCAVATION, CLASS OF BEDDING, REMARKS.

Table with columns: STRUCTURE NUMBER, LOCATION, SIZE INCHES, DESCRIPTION, LENGTH FEET, SKEW, COVER, FLOW LINE UP ELEV., FLOW LINE DOWN ELEV., CONCRETE CLASSIFICATION, B. BORROW, EXCAVATION, CLASS OF BEDDING, REMARKS.

LEGEND FOR ABBREVIATIONS

- FB.C.C./PI.- FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.
FB.C.C.AA./PI.- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.
FB.C.C.S.- FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.
FB.C.C.AA.S.- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH WITH PAVED INVERT.
C.S.- CORRUGATED STEEL.
C.A.A.- CORRUGATED ALUMINUM ALLOY.
S.P.S.- STRUCTURAL PLATE STEEL.
R.C.C.P.- REINFORCED CONCRETE CULVERT PIPE.
E.S.V.C.P.- EXTRA STRENGTH VITRIFIED CLAY PIPE.
FB.C.C.SA./PI.- FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.
FB.C.C.AA.SA./PI.- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH WITH PAVED INVERT.
FB.C.C.A.S.- FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH.
FB.C.C.AA.S.- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH.
C.S.A.- CORRUGATED STEEL ARCH.
C.A.A.S.- CORRUGATED ALUMINUM ALLOY ARCH.
S.P.S.A.- CORRUGATED ALUMINUM ALLOY ARCH.
S.P.S.A.- STRUCTURAL PLATE STEEL ARCH.

ESTIMATE OF QUANTITIES (CON'T.) STRUCTURE SUMMARY

(INDIANAPOLIS
SANITARY DISTRICT)

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-70-3(75)77	1970	154	237

KIND		SIZE EXCAVATION					CLASS "B" BEDDING																	
		4"	6"	8"	10"	12"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"	
GAGE																								
GAGE STRUCT. PLATES STEEL																								
GAGE																								
GROUP																								
GROUP																								
GROUP																								
GROUP																								
GROUP																								
GROUP																								
GROUP																								
GROUP																								
REINFORCED CONCRETE CL. III																								
EXTRA STRENGTH REINF. CONC. CL. IV																								
HEAVY DUTY REINF. CONC.																								
VITRIFIED CLAY CULVERT																								
CORR. STEEL																								
REINF. CONC. OR EXTRA STRENGTH VITRIFIED CLAY																								
REINF. CONC. OR EXTRA STRENGTH VITRIFIED CLAY																								
EXTRA STRENGTH VITRIFIED CLAY																								
DRAIN TILE																								
FULLY BITUMINOUS COATED PERFORATED CORR. STEEL																								
SEWER																								

* STRUTTED ① "CLASS" AND "TABLE" DESIGNATIONS REFER TO A.A.S.H.O. SPECIFICATIONS

STRUCTURE SUMMARY (CON'T.)

KIND	MIN AREA SQ. FT. *	PIPE ARCHES: LINEAL FEET																			
		STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	
GAGE STRUCT. PLATES STEEL																					
GAGE																					
GROUP G-																					
GROUP G-																					
GROUP G-																					
GROUP H-																					
GROUP H-																					
CORR. STEEL PIPE ARCH																					
STRUCT. PLATE STEEL PIPE ARCH																					
FULLY BITUM. COATED CORR. STEEL PIPE ARCH																					
FULLY BITUM. COATED CORR. STEEL PIPE ARCH WITH PAVED INVERT.																					
REINF. ELLIPTICAL CONCRETE																					

(*) SPAN AND RISE WHEN OTHER THAN GROUP "G" OR GROUP "H" IS SPECIFIED.

PIPE GROUP "K" FOR SUBSURFACE DRAINAGE 6" PIPE FULLY BIT. COATED NON PERFORATED CORR. STEEL	UN. FT.	
AGGREGATE FOR SUBSURFACE DRAINAGE	CYS	
EXISTING HOUSE CONNECTION CONNECTED TO NEW SEWER	EA.	5
CONCRETE CLASS "A" IN STRUCTURES	CYS	2.90
REINFORCING STEEL FOR STRUCTURES	LB	
CONCRETE CLASS "F" FOR STRUCTURES	CYS	
CONCRETE CLASS "F" FOR INTEGRAL CURB WALK	CYS	

AUTO DRAINAGE GATES		
SIZE	HEAD	EACH

SEWER REMOVAL		
SIZE	DEPTH	LENGTH
5' to 6'	117"	LFT
6' to 10'	250"	LFT
10' to 15'	370"	LFT
15' to 20'	435"	LFT
20' to 25'	100"	LFT

INLETS		CATCH BASINS	
TYPE	EACH	CASTING	TYPE
A	2	150 3010	A
A	1	150 2560E	A
SPEC J	1	150 3287	K
SPEC A	1	150 2560E	A

INLETS USING CASTING IN PLACE		CATCH BASINS USING CASTING IN PLACE	
TYPE	EACH	TYPE	EACH

MANHOLES		PIPE CATCH BASIN		RECONSTRUCTED	
TYPE	EACH	SIZE	EACH	MANHOLE	UN. FT.
C	4			CATCH BASIN	
D	1			INLET	
E	4				

CULVERT PIPE END SECTION			
SIZE	EACH	SIZE	EACH

* INDIANAPOLIS SANITARY DISTRICT
CASTING NO. R-1772 - CVH

CASTINGS SALVAGE AND REMOVAL I.S.D.	
SIZE	EACH
5'	

END STR