

# INDIANA DEPARTMENT OF TRANSPORTATION

## PLAN AND PROFILE OF PROPOSED STATE HIGHWAY STP-PROJECT NO. X263

( 1 ) P.E.  
( --- ) R/W  
( 1 ) CONST  
( --- ) UTIL.

INTERSECTION IMPROVEMENT OF TIPTON STREET (U.S. 50)  
& O'BRIEN STREET, SEC. 17, T6N, R6E IN SEYMOUR,  
JACKSON COUNTY, INDIANA.

GROSS LENGTH: 0.094 MI.  
NET LENGTH: 0.094 MI.  
SCALES:

PLAN { LONG: 1" = 50'    PROFILE { HORIZ: 1" = 50'  
      TRANS: 1" = 50'        VERT: 1" = 10'                    MAX. GRADE 1.70%

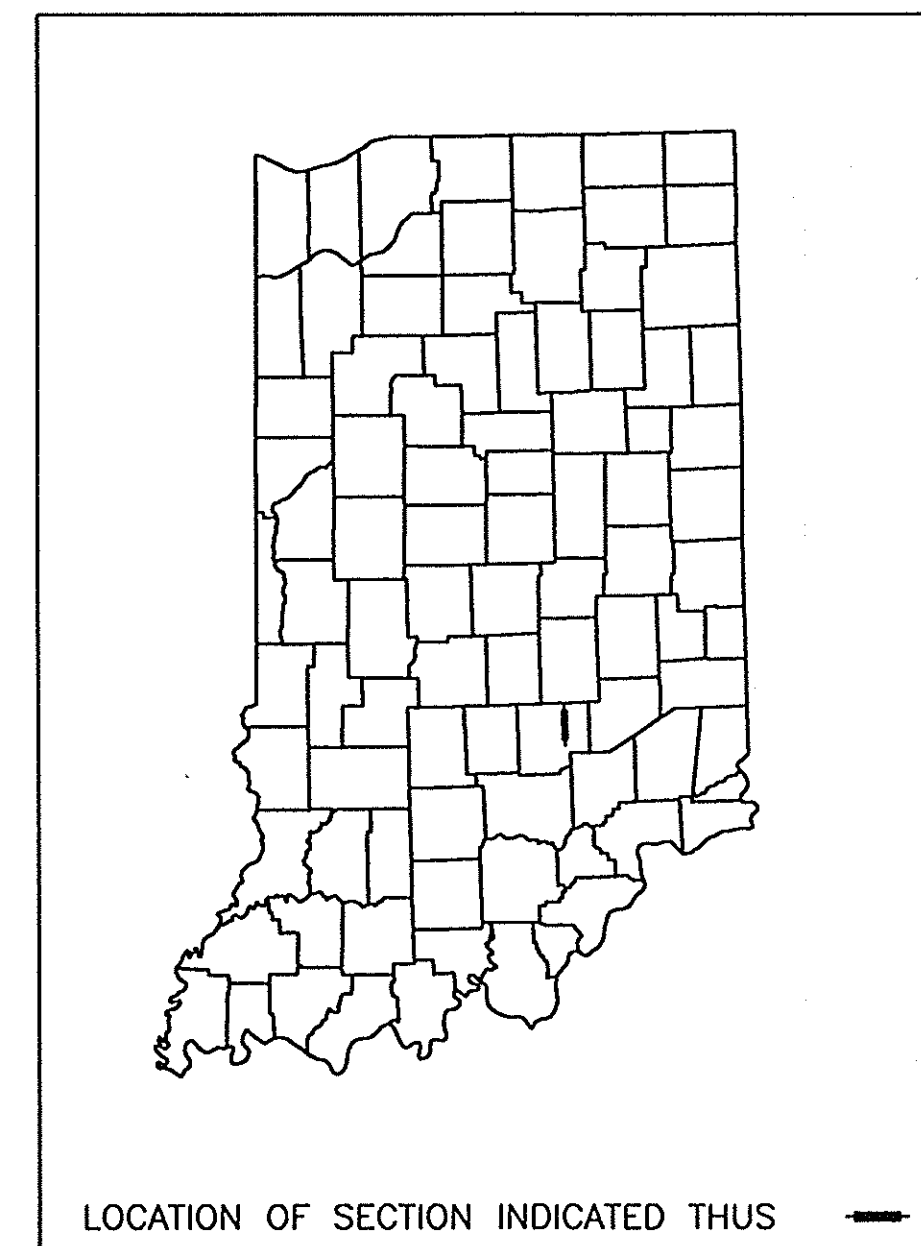
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	STP-X263(1)	2000	1	34

TRAFFIC DATA (O'Brien Street)	
A.D.T.(1999)	7,777 V.P.D.
A.D.T.(2019) PROJECTED	12,013 V.P.D.
D.H.V.(2019)	960 V.P.H.
DIRECTIONAL DISTRIBUTION	44 %
TRUCKS D.H.V. 6 %	A.D.T. 6 %
ESAL'S	11,150,000

TRAFFIC DATA (Tipton Street)	
A.D.T.(1999)	29,644 V.P.D.
A.D.T.(2019) PROJECTED	45,792 V.P.D.
D.H.V.(2019)	3665 V.P.H.
DIRECTIONAL DISTRIBUTION	48 %
TRUCKS D.H.V. 9 %	A.D.T. 7 %
ESAL'S	11,150,000

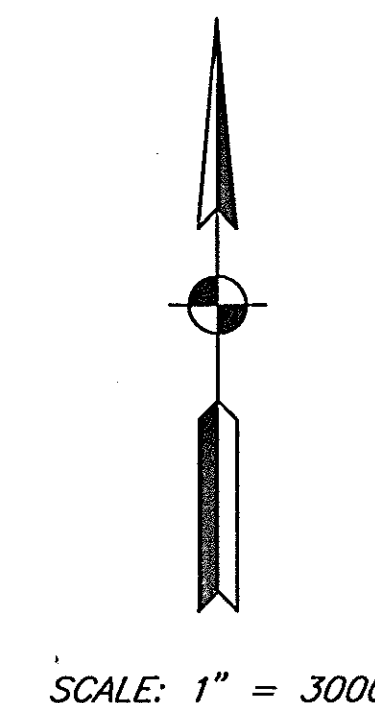
DESIGN DATA	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	Reconstruction
ROAD CLASSIFICATION	Urban Collector
RURAL/URBAN	Urban
TYPE OF TERRAIN	Level
ACCESS CONTROL	None

DESIGN DATA	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	Reconstruction
ROAD CLASSIFICATION	Urban Arterial
RURAL/URBAN	Urban
TYPE OF TERRAIN	Level
ACCESS CONTROL	None



LOCATION OF SECTION INDICATED THUS

NOTE: For Location Of Construction Signs & Barricades, See Maintenance Of Traffic Detail Sheets.



SCALE: 1" = 3000'

T-6-N  
Range 6E

WHEREVER PROJECT NO. HES-M-X263(1) APPEARS ON THESE PLANS, IT SHALL BE INTERPRETED AS STP-X263(1).

**APPROVED:** Sept. 20, 1999 DATE

**BOARD OF PUBLIC WORKS AND SAFETY  
CITY OF SEYMOUR, INDIANA**

John S. Burkhart  
JOHN S. BURKHART MAYOR, CHAIRMAN

Michael Jordan  
MICHAEL JORDAN MEMBER

Ann Windley  
ANN WINDLEY MEMBER

**ATTEST:**

Fred D. Lewis  
FRED D. LEWIS CLERK-TREASURER

**CITY ENGINEER**

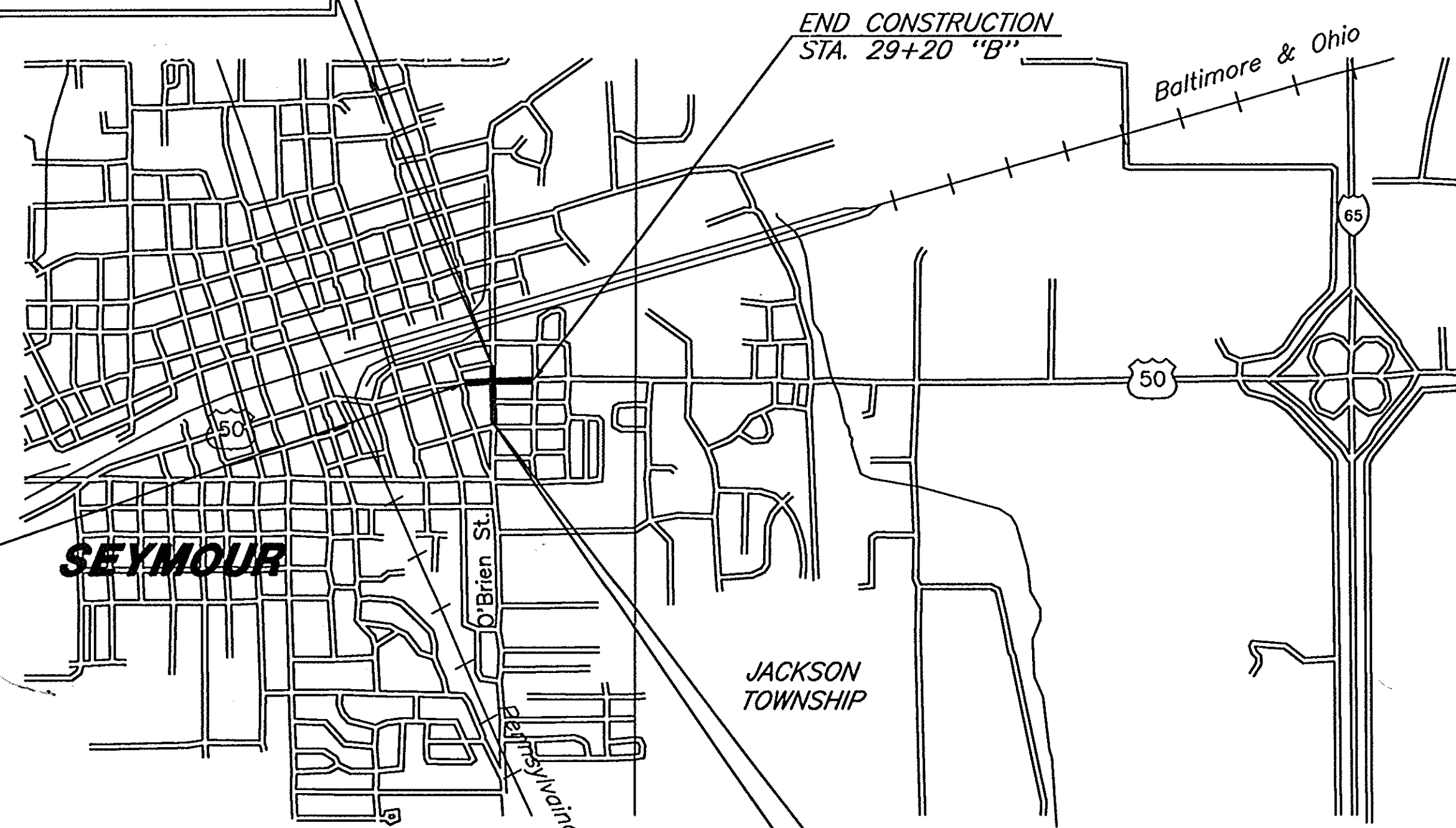
Jerry L. Hartsell  
JERRY L. HARTSELL CITY ENGINEER

END STP PROJECT X263(1)  
STA. 8+50 "A"

END CONSTRUCTION  
STA. 29+20 "B"

BEGIN CONSTRUCTION  
STA. 20+10 "B"

BEGIN STP PROJECT X263(1)  
STA. 3+50 "A"



INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 1999  
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY

## SIECO, INC.

629 WASHINGTON STREET  
P.O. BOX 407  
COLUMBUS, INDIANA, 47202  
812-372-9911

CERTIFIED BY: John M. Broadus DATE: 9-20-99

APPROVED FOR LETTING: John E. Jordan DATE: 10/21/99  
Acting CHIEF, DIVISION OF DESIGN INDOT

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
STP-X263(1)		1	34	

PLOT DATE & TIME: JAN 0, 0000-00:00:00 - Plotted from: TRAVIS R-24731

# UTILITIES

TELEPHONE: GTE Indiana  
1233 W. Tipton St.  
Seymour, In 47274  
Mark Weichman  
(812) 522-0235

GAS: Indiana Gas Co.  
(800) 777-2060

CABLE: Marcus Cable  
988 N. O'Brien St.  
Seymour, In 47274  
(812) 522-8791

WATER: Indiana American Water  
P.O. Box 253, 100 N. Vine St.  
Seymour, In 47274  
Wynn Wright, Mgr.  
(812) 522-9596

SEWER: City of Seymour  
301-309 N. Cherry St.  
Seymour, In 47274  
(812) 522-4020

ELECTRIC: Cinergy  
P.O. Box 367, 1625 E. Tipton St.  
Seymour, In 47274

# GENERAL NOTES

Standard divided lane section for Federal Aid _____ Projects _____ as shown on Sheet No. _____ to be used on this project.
Standard ramp section _____ to be used on this project. Pavement thickness shall be _____ inches.
Standard single lane pavement sections _____ as shown on Sheet No. _____ to be used on this project.
A _____ inch Asphalt pavement shall be used.
Typical cross-section as shown on Sheet No. _____ to be used on this project.
Standards under dates as listed in the index on this sheet to be used in this project.
All Ditches of 1% grade and over shall be sodded except where ditch is in rock cut or where Paved Side Ditch is to be constructed.
** All nonpaved areas shall be sodded.
All Earth Shoulder, Median Area, Cut and fill slopes shall be plain or mulched seeded except where Sodding is specified.
Overhaul and Added Haul Quantities as shown in the Balances are for information only.
Excavation Quantities as shown include estimated excavation for Public and Private Approaches. See Table on Sheet No. _____.
The final Cross-Sections of the "Grading Contract" shall be the original cross-sections of the "Paving Contract" except that partial or complete cross sections shall be taken if necessary to determine the actual quantities of Excavation.
Paper Relocation is to be cross-sectioned by the Project Engineer before construction.
Where existing surface is located outside the limits of new construction between Station _____ and Station _____, the Contractor will be required to remove the present roadway surface and base as directed by the Engineer.
For Kinds of Pipe permitted for each size and classification as shown on the Structure Data Sheet, see Miscellaneous Standard Sheets "MP".
Such part of existing downspout drains that are disturbed by either adding or replacing the curb, shall be replaced and connected as directed by the Engineer. Payment for this shall be included in the Contract unit price for "Curb and Gutter, Concrete", Modified.
** The minimum grade for Underdrains shall be 0.20%. Where the profile grade is less than 0.20% special grades for Underdrains shall be established by the Engineer.
County Road _____ shall have 4" Edge Lines and Skip Center Lines as set out in "Special Provisions" and "Yellow Barrier Lines" shall be placed as shown on plans.
All Limited Access R/W (L.A. R/W) to be fenced with Chain Link Type Fence (C.L.T.F.) or Farm Field Type Fence (F.F.T.F.) as specified in the plans.
Curves shall be Superelevated according to the Standards of _____ Except Special "Super - Transitions" shall be detailed on Sheet No. _____.
A Keyway Joint is to be constructed on Median side of each pavement.
** Contraction Joints shall be placed at all manholes within pavement limits.
** Contraction Joints shall be placed at the beginning and end of all radii, at Street and alley intersections.
All Highway Drainage Structures 42" dia. and over have been designed on the basis of a 10 year storm frequency. (Except Structure Numbers _____ which have been designed for a _____ year storm frequency.) The elevations of the design headwater for each culvert having a design flood of more than 500 cubic feet per second, are shown on the Plan and Profile Sheets at the culvert locations.
Prefabricated Joint Material for Cross-overs, Drives, Road Approaches and Sidewalk will not be paid for directly, the cost thereof to be included in the contract unit price for the various items in the contract.
** Class III Alley Approach to be constructed using Standards for a Class III Drive.
** Prior to extending existing pipe structures, head wall in place on extended end shall be removed.
** Sheet Signs shall not be ordered until the exact number of signs has been determined upon field investigation.
Roadway Sign Structure Identification Numbers are to be installed 45" from center line facing vehicular traffic and Minimum of 10 feet above the ground line. The Numbers and Letters are to be 1 1/2" x 2 1/2" Black on White Background. The Marking Material shall be Scotch Lite, Seibulite, Reflexite or approved equal.
** All Signs shall be marked for Identification. The Marking Material shall be either Scotch Lite, Seibulite, Reflexite or approved equal. The identifying message shall consist of INDOT and the Month and Year the sign is installed. The Message copy shall consist of Black or White Lettering of a minimum of one inch in height. The Marking Background shall be Black or White. The marking for Sheet Signs shall be placed in the lower corner closest to the center line of the road. The Marking for Panel Signs shall be placed on the bottom panel on the end closest to the center line of the road-way. The Marking shall not be covered by the Sign's supports after installation of the Sign.
** All design shall be in accordance with the Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1985 Edition.

\*\* REPRESENTS GENERAL NOTES REQUIRED

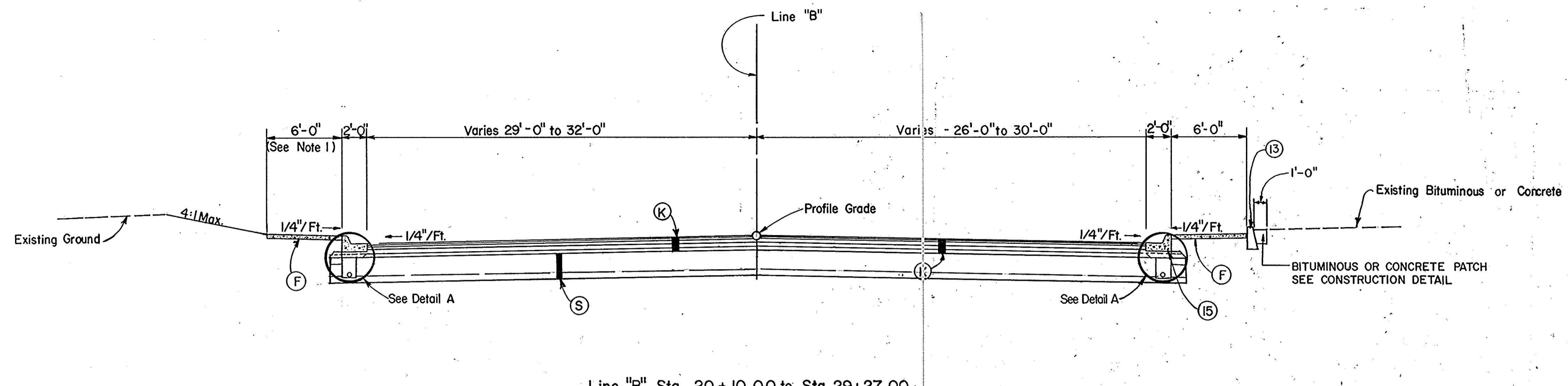
# INDEX

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	2	34

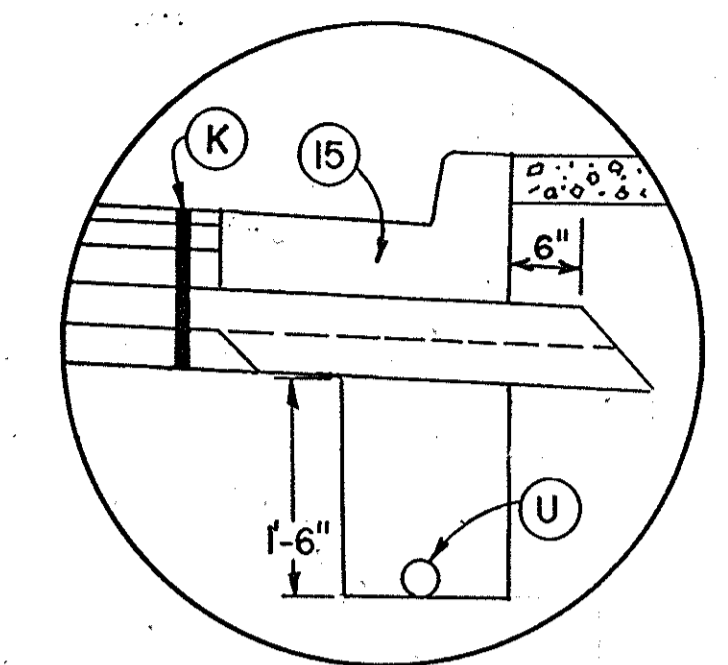
SHEET NO.	DESIGNATION	F.H.W.A. APPROVAL	DATE APPROVAL "A" or LATEST REVISION "R"
1	TITLE SHEET		
2	INFORMATION SHEET		
3	TYPICAL CROSS SECTION		
4-7	MAINTENANCE OF TRAFFIC		
8-9	PLAN AND PROFILE		
10-11	CONSTRUCTION DETAILS		
12	RETAINING WALL DETAILS		
13-14	TRAFFIC SIGNAL AND PAVEMENT MARKING DETAILS		
15-16	OVERHEAD SIGN STRUCTURE DETAILS		
17	SHEET SIGN AND SIGN POST SUMMARY		
18	MISCELLANEOUS TABLES		
19	SUMMARY OF QUANTITIES AND APPROACH TABLE		
20	UNDERDRAIN TABLE		
21-22	STRUCTURE DATA		
23	PIPE MATERIAL SHEET		
24-34	CROSS SECTIONS		
		*	R 3-1-90
15	MISCELLANEOUS STANDARDS, SHEET "MA"		
25	MISCELLANEOUS STANDARDS, SHEET "MC-1"	9-1-98	R 9-1-98
35	MISCELLANEOUS STANDARDS, SHEET "MC-2"	9-1-98	R 9-1-98
45	MISCELLANEOUS STANDARDS, SHEET "MC-3"	9-1-98	A Sept. 1998
55	MISCELLANEOUS STANDARDS, SHEET "MC-4"	9-1-98	A Sept. 1998
65	MISCELLANEOUS STANDARDS, SHEET "MD"	12-27-82	R 10-1-82
	MISCELLANEOUS STANDARDS, SHEET "MD-2"	*	R 5-1-95
75	MISCELLANEOUS STANDARDS, SHEET "MD-3"	12-27-82	R 10-1-82
85	MISCELLANEOUS STANDARDS, SHEET "MD-4"	5-3-99	R 5-3-99
95	MISCELLANEOUS STANDARDS, SHEET "ME"	9-1-98	R 9-1-98
105	MISCELLANEOUS STANDARDS, SHEET "ME-2"	6-27-85	R 9-4-84
115	MISCELLANEOUS STANDARDS, SHEET "MH"	1-21-94	A NOV 1993
125	MISCELLANEOUS STANDARDS, SHEET "MHC"	1-21-94	A NOV 1993
135	MISCELLANEOUS STANDARDS, SHEET "MHD"	1-21-94	A NOV 1993
145	MISCELLANEOUS STANDARDS, SHEET "MHE"	1-21-94	A NOV 1993
155	MISCELLANEOUS STANDARDS, SHEET "MH-1"	6-20-91	A APR. 1991
	MISCELLANEOUS STANDARDS, SHEET "MH-2"	6-20-91	A APR. 1991
	MISCELLANEOUS STANDARDS, SHEET "MH-3"	6-20-91	R 4-1-91
	MISCELLANEOUS STANDARDS, SHEET "MI-3"		
	MISCELLANEOUS STANDARDS, SHEET "MJ"	10-10-96	R 5-1-97
	MISCELLANEOUS STANDARDS, SHEET "MJ-1"	10-10-96	R 5-1-97
	MISCELLANEOUS STANDARDS, SHEET "MJ-2"	5-19-88	R 4-4-88
	MISCELLANEOUS STANDARDS, SHEET "MJ-2A"	5-19-88	R 4-4-88
	MISCELLANEOUS STANDARDS, SHEET "MI"	9-24-85	R 6-3-85
	MISCELLANEOUS STANDARDS, SHEET "MP"	3-20-95	R 3-1-95
	MISCELLANEOUS STANDARDS, SHEET "MPA"	3-2-95	A 2-1-95
	MISCELLANEOUS STANDARDS, SHEET "MP-1"	4-9-70	R 2-2-70
	MISCELLANEOUS STANDARDS, SHEET "MQ"	3-2-95	R 2-1-95
	MISCELLANEOUS STANDARDS, SHEET "MR"	3-2-95	R 2-1-95
	MISCELLANEOUS STANDARDS, SHEET "MS"	9-1-98	R 9-1-98
	MISCELLANEOUS STANDARDS, SHEET "MS-1"	1-22-87	R 12-1-86
165	MISCELLANEOUS STANDARDS, SHEET "MT"	7-19-83	R 5-2-83
	MISCELLANEOUS STANDARDS, SHEET "MT-1"	*	R 5-1-89
	MISCELLANEOUS STANDARDS, SHEET "MT-1A"	8-5-88	R 8-1-88
	MISCELLANEOUS STANDARDS, SHEET "MT-2"	6-28-89	R 5-1-89
	MISCELLANEOUS STANDARDS, SHEET "MT-3"	9-1-98	R 9-1-98
175	MISCELLANEOUS STANDARDS, SHEET "MT-4A"	9-1-98	R 9-1-98
	MISCELLANEOUS STANDARDS, SHEET "MT-7"	7-19-83	R 5-2-83
185	MISCELLANEOUS STANDARDS, SHEET "MT-9E"	12-1-88	R 9-1-88
	MISCELLANEOUS STANDARDS, SHEET "MT-9F"	12-1-88	R 9-1-88
195	MISCELLANEOUS STANDARDS, SHEET "MT-9I"	8-5-88	A JUN 1988
	MISCELLANEOUS STANDARDS, SHEET "MT-9J"	12-1-88	R 9-1-88
	MISCELLANEOUS STANDARDS, SHEET "MT-16D"	8-5-88	A JUN 1988
	MISCELLANEOUS STANDARDS, SHEET "MT-20"		
	MISCELLANEOUS STANDARDS, SHEET "MT-21"	7-13-88	R 6-1-88
	STRUCTURAL CONNECTION FOR EXTENSION SHEET "MU"	6-27-85	R 9-4-84
205	STANDARD DETOUR SIGNS, SHEET 2	6-20-91	A 4-1-91
215	STANDARD DETOUR SIGNS, SHEET 2A	1-31-96	R 10-2-95
225	STANDARD DETOUR SIGNS, SHEET 2A1	5-1-98	R 5-1-98
235	STANDARD DETOUR SIGNS, SHEET 3	*	R 9-1-88
245	STANDARD DETOUR SIGNS, SHEET 5	*	R 9-1-88
255	TEMP. EROSION CONTROL, PERIMETER PROTECTION "TEC-1"	1-31-96	R 9-1-95
265	TEMP. EROSION CONTROL, PERIMETER PROTECTION "TEC-2"	1-31-96	R 9-1-95
275	TEMP. EROSION CONTROL, PERIMETER PROTECTION "TEC-3"	1-31-96	R 9-1-95
285	TEMP. EROSION CONTROL, STORM INLET PROTECTION "TEC-13"	1-31-96	R 9-1-95
295	TEMP. EROSION CONTROL, STORM INLET PROTECTION "TEC-14"	1-31-96	R 9-1-95
305	TEMP. EROSION CONTROL, STORM INLET PROTECTION "TEC-15"	1-31-96	R 9-1-95
	METRIC STANDARDS ON THIS JOB INCLUDED IN CONTRACT BOOK.		
64	TOTAL SHEETS IN THIS CONTRACT		

\* F.H.W.A. APPROVAL PENDING

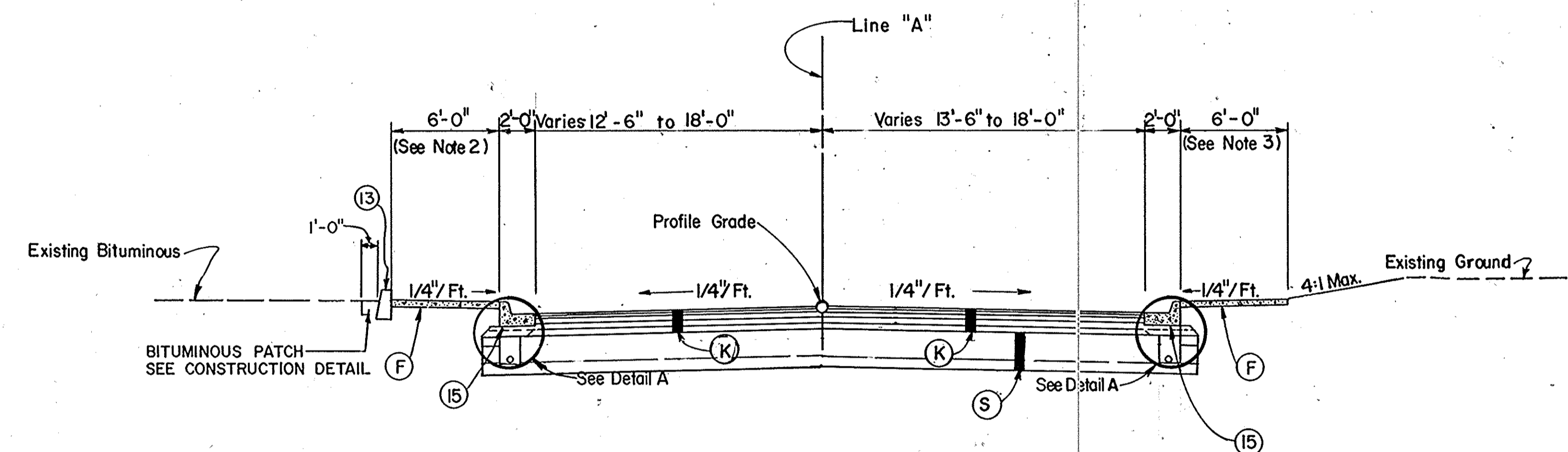
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-MX263(1)	2000	3	34



Line "B" Sta. 20+10.00 to Sta. 29+27.00  
**TYPICAL SECTION**  
 Scale: 3/16" = 1'-0"



**DETAIL A**  
 Scale: 3/4" = 1'-0"



Line "A" Sta. 3+50 to Sta. 5+22 & Sta. 5+82 to Sta. 8+50  
**TYPICAL SECTION**  
 Scale: 3/16" = 1'-0"

**NOTES**

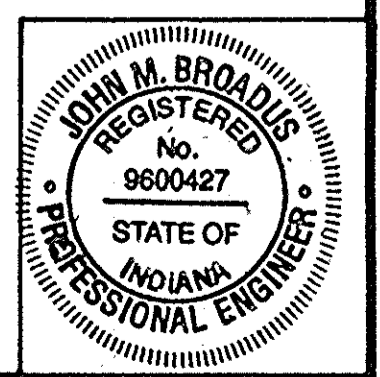
- Sidewalk to be 5'-0" from Sta. 20+10"B" to Sta. 22+55"B".
- Sidewalk to be 5'-0" wide from Sta. 3+50"A" to Sta. 4+50"A" Lt.
- No sidewalk or curb req'd from Sta. 3+50"A" to Sta. 4+15"A" Rt.
- All disturbed areas to be nursery sodded.
- Performance Grade Binder 76-22 to be used.

**LEGEND**

- (K) Full Depth Pavement  
 140#/s.y. QC/QA HMA Surface 9.5mm, Mainline on 300#/s.y. QC/QA HMA Intermediate 19.0mm, Mainline on 440#/s.y. QC/QA HMA Base 25.0mm, Mainline on 400#/s.y. HMA Base C25.0mm, Mainline on 400#/s.y. QC/QA HMA Base 250mm, Mainline
- (F) 4" Concrete Sidewalk
- (S) 24" Special Subgrade Treatment (6" Compacted in Place)
- (U) Underdrain For (Locations See Sheet 24)
- (13) Concrete Curb (See Detail Sheets for Locations)
- (15) Concrete Curb & Gutter, Modified (2'-0" Wide)

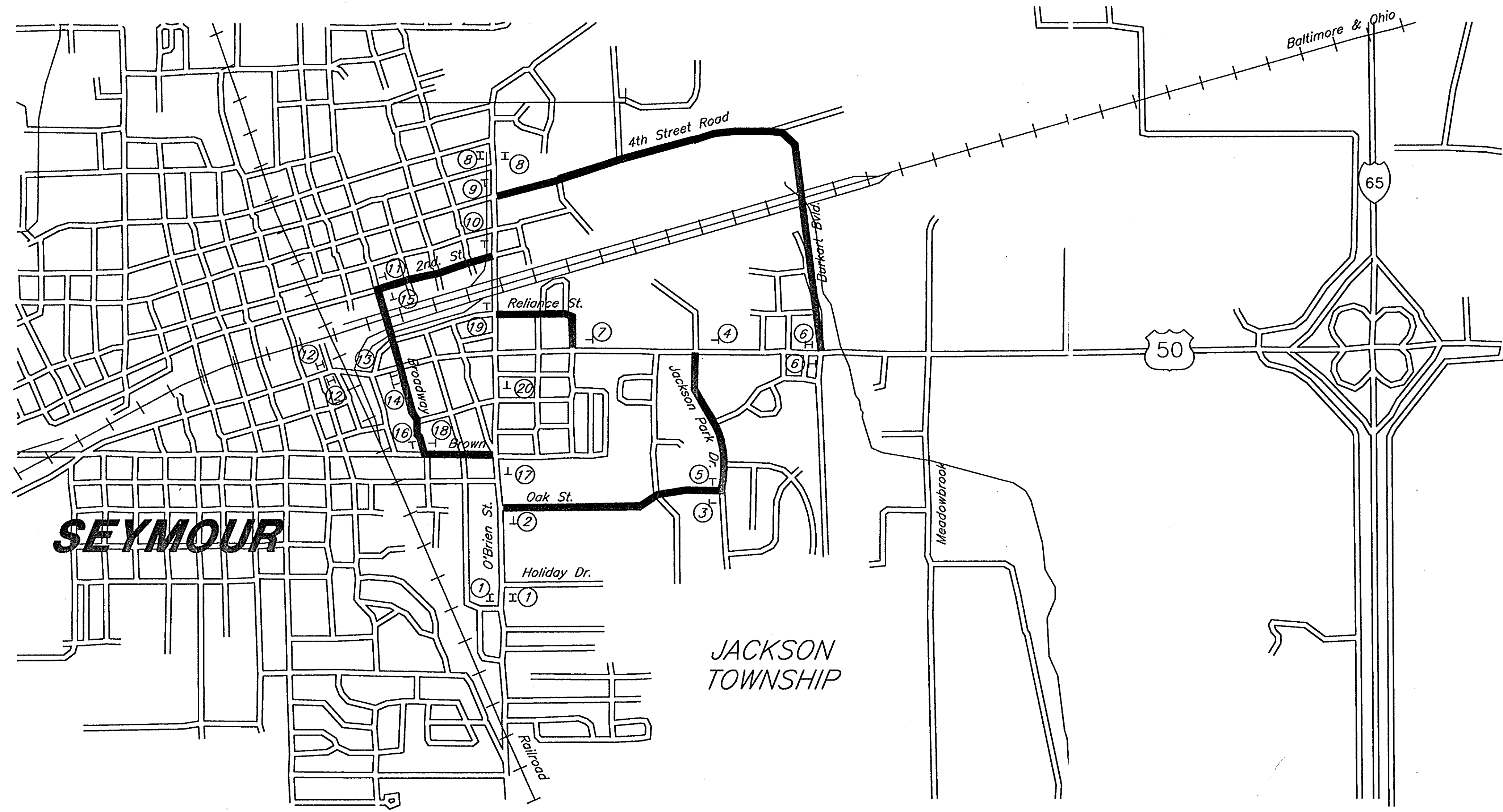
TIPTON STREET (US 50) and O'BRIEN STREET  
**TYPICAL CROSS SECTIONS**

SCALE: AS SHOWN

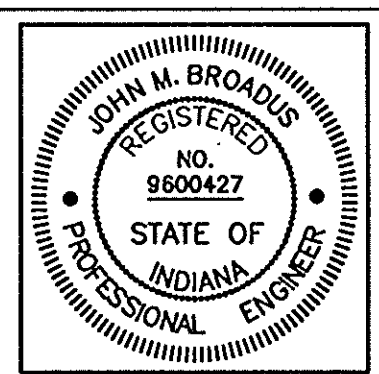


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
HES-M-X263(1)		3	34	

PLOT DATE & TIME: SEP 20, 1999 - 12:52:42 - Plotted from: J. KERN



NO.	CODE	LEGEND	TYPE
1	XW20-3 XG20-2	ROAD CLOSED AHEAD END CONSTRUCTION	A A
2	XM4-9(R)	DETOUR S. O'BRIEN ST. TO U.S. 50 EAST	DRMA
3	XM4-9(L)	DETOUR	B
4	XM4-9(L)	DETOUR S. O'BRIEN ST.	DRMA
5	XM4-9(R)	DETOUR	B
6	XW20-1 XG20-2	ROAD CONSTRUCTION AHEAD END CONSTRUCTION	A A
7	XM4-9(R)	DETOUR N. O'BRIEN ST.	DRMA
8	XW20-3 XG20-2	ROAD CLOSED AHEAD END CONSTRUCTION	A A
9	XM4-9(L)	DETOUR N. O'BRIEN ST. TO U.S. 50 EAST	DRMA
10	XM4-9(R)	DETOUR N. O'BRIEN ST. TO U.S. 50 WEST	DRMA
11	XM4-9(L)	DETOUR	B
12	XW20-1 XG20-2	ROAD CONSTRUCTION AHEAD END CONSTRUCTION	A A
13	XM4-9(L)	DETOUR N. O'BRIEN ST.	DRMA
14	XM4-9(R)	DETOUR S. O'BRIEN ST.	DRMA
15	XM4-9(R)	DETOUR	B
16	XM4-9(L)	DETOUR	B
17	XM4-9(L)	DETOUR S. O'BRIEN ST. TO U.S. 50 WEST	DRMA
18	XM4-9(R)	DETOUR	B
19	XW20-3	ROAD CLOSED AHEAD	A
20	XW20-3	ROAD CLOSED AHEAD	A



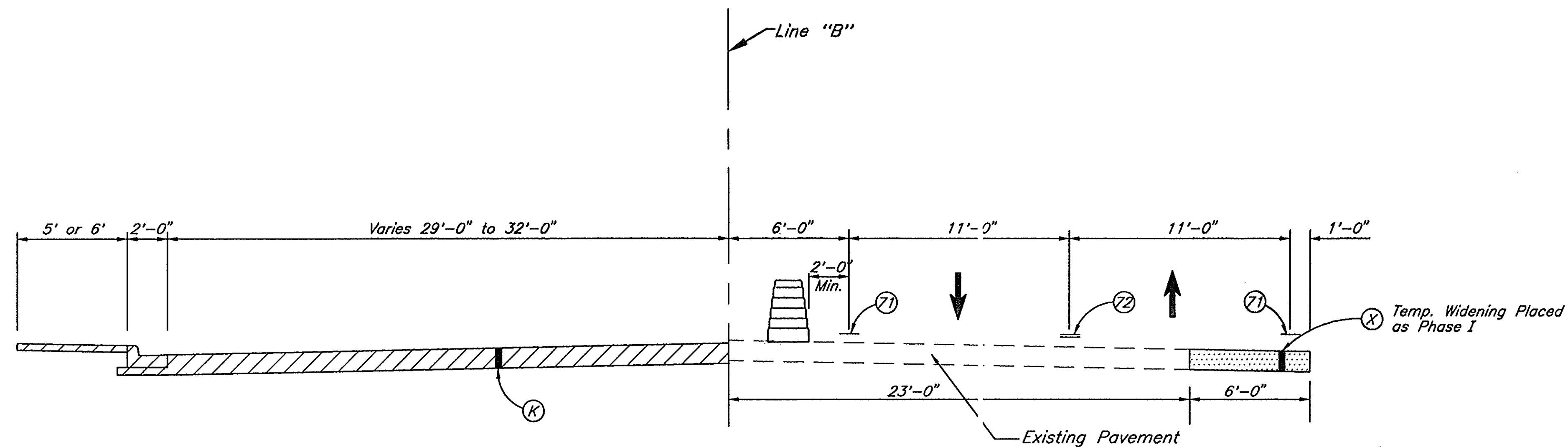
RECOMMENDED OR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PCG 8/99	DRAWN: MJK 8/99	
CHECKED: PCG 8/99	CHECKED: PCG 8/99	
	REVISED: MJK 9/99	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTE MAP**

HORIZONTAL SCALE	BRIDGE FILE NO.
NOT TO SCALE	
VERTICAL SCALE	DESIGNATION NO.
NOT TO SCALE	9005590
SURVEY BOOK NO.	SHEETS
	4 of 34
CONTRACT NO.	PROJECT NO.
12-24731	STP-X263(1)

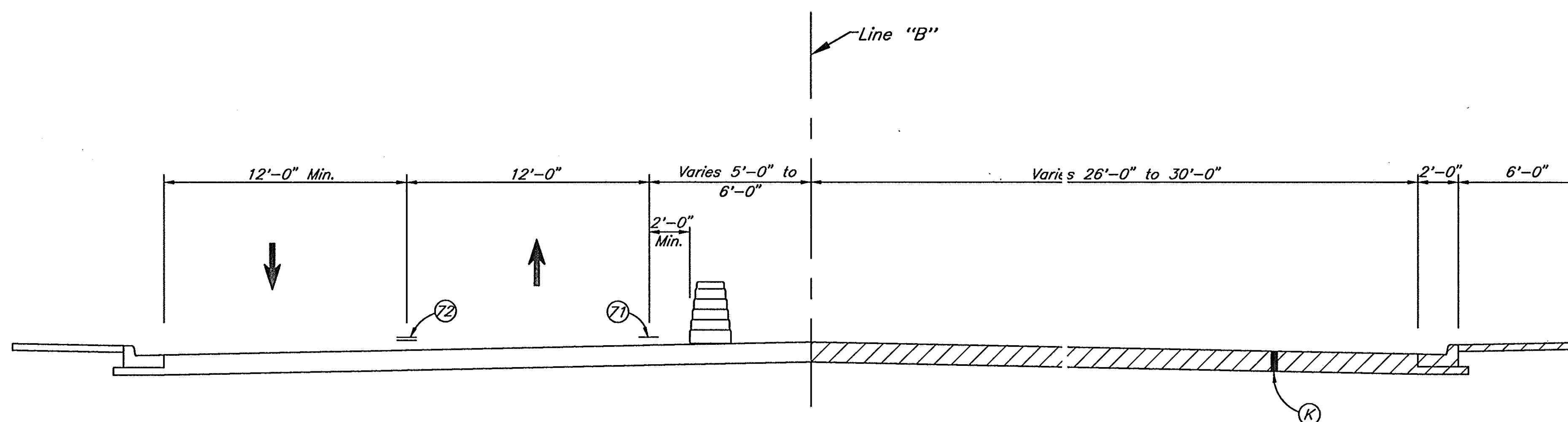
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	5	34



**PHASE II**

**LEGEND**

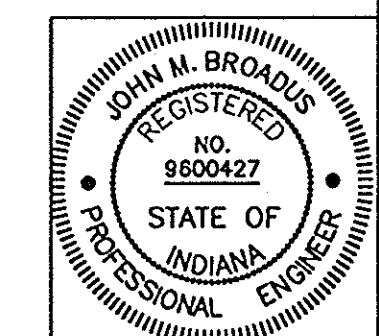
- (K) Full Depth HMA Pavement  
140#/Syd. QC/QA HMA Surface 9.5mm, Mainline, on  
300#/Syd. QC/QA HMA Intermediate 19.0mm, Mainline, on  
440#/Syd. QC/QA HMA Base 25.0mm, Mainline, on  
400#/Syd. HMA Base C25.0mm, Mainline, on  
400#/Syd. QC/QA HMA Base 25.0mm, Mainline
- (X) Temporary Widening with HMA  
140#/Syd. HMA Surface 9.5mm on  
660#/Syd. HMA Base 25.0mm on  
6" Compacted Aggregate Base, 0, Size No. 53
- (71) Temporary Pavement Marking, White, 4 in.
- (72) Temporary Pavement Marking, Yellow, 4 in.
- Construction Area



**PHASE III**

**TIPTON & O'BRIEN STREETS  
MAINTENANCE OF TRAFFIC  
TYPICAL CROSS SECTION**

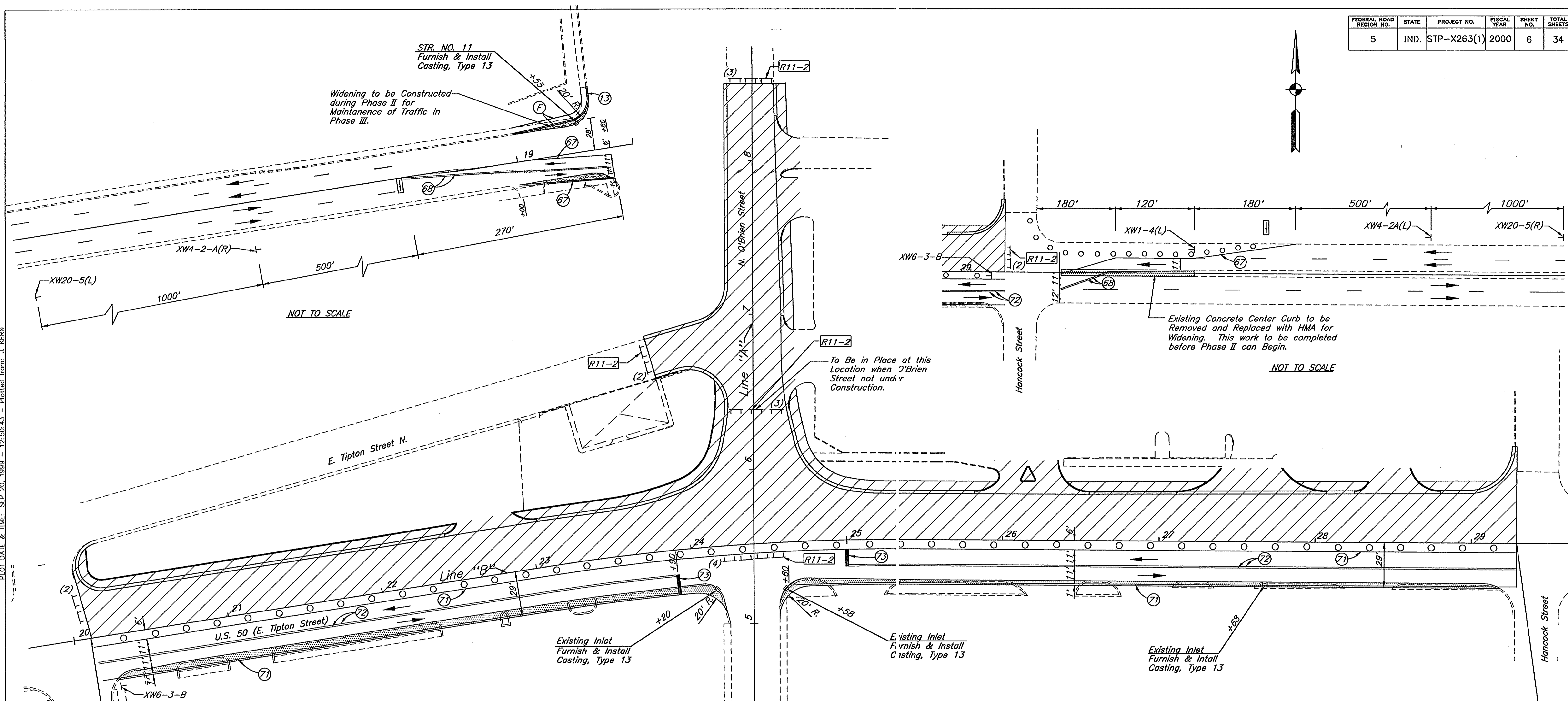
SCALE: 1" = 1/4"



DESIGNED: ECC, B/99  
DRAWN: M.K. B/99  
CHECKED: ECC, B/99  
REVISED:

PLOT DATE & TIME: SEP 20 1999 - 12:48:45 - Plotted from: J. KERN

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	6	34



DESIGNED: E.C.C. B./99... CHECKED: E.C.C. B./99...  
 DRAWN: M.K. B./99... CHECKED: E.C.C. B./99...  
 REVISED: \_\_\_\_\_  
 SHEET REVISED: JULY 20, 1992  
 PLOT DATE & TIME: SEP. 20, 1999 - 12:50:43 - Plotted from: J. KERN

NOT TO SCALE

NOT TO SCALE

END CONSTRUCTION  
Sta. 29+29.00 "B"

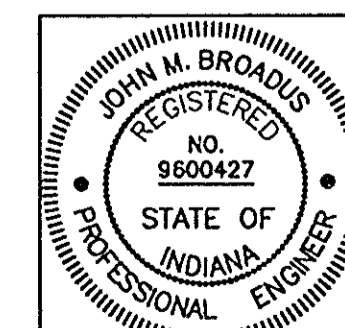
**LEGEND**

- (F) 4" Concrete Sidewalk
- (13) Concrete Curb
- (67) Temporary Pavement Marking, Removable, White, 4 in.
- (68) Temporary Pavement Marking, Removable, Yellow, 4 in.
- (71) Temporary Pavement Marking, White, 4 in.
- (72) Temporary Pavement Marking, Yellow, 4 in.
- (73) Temporary Pavement Marking, Stop Bar, 24 in.
- Barricade Type III-A (No. of 12' Sections Shown in Parentheses)
- Standard Drum
- Road Closure Sign Assembly
- Flashing Arrow Sign
- Direction Of Traffic Flow
- ▨ Construction Area - Phase II
- ▩ Widening Area - Phase I

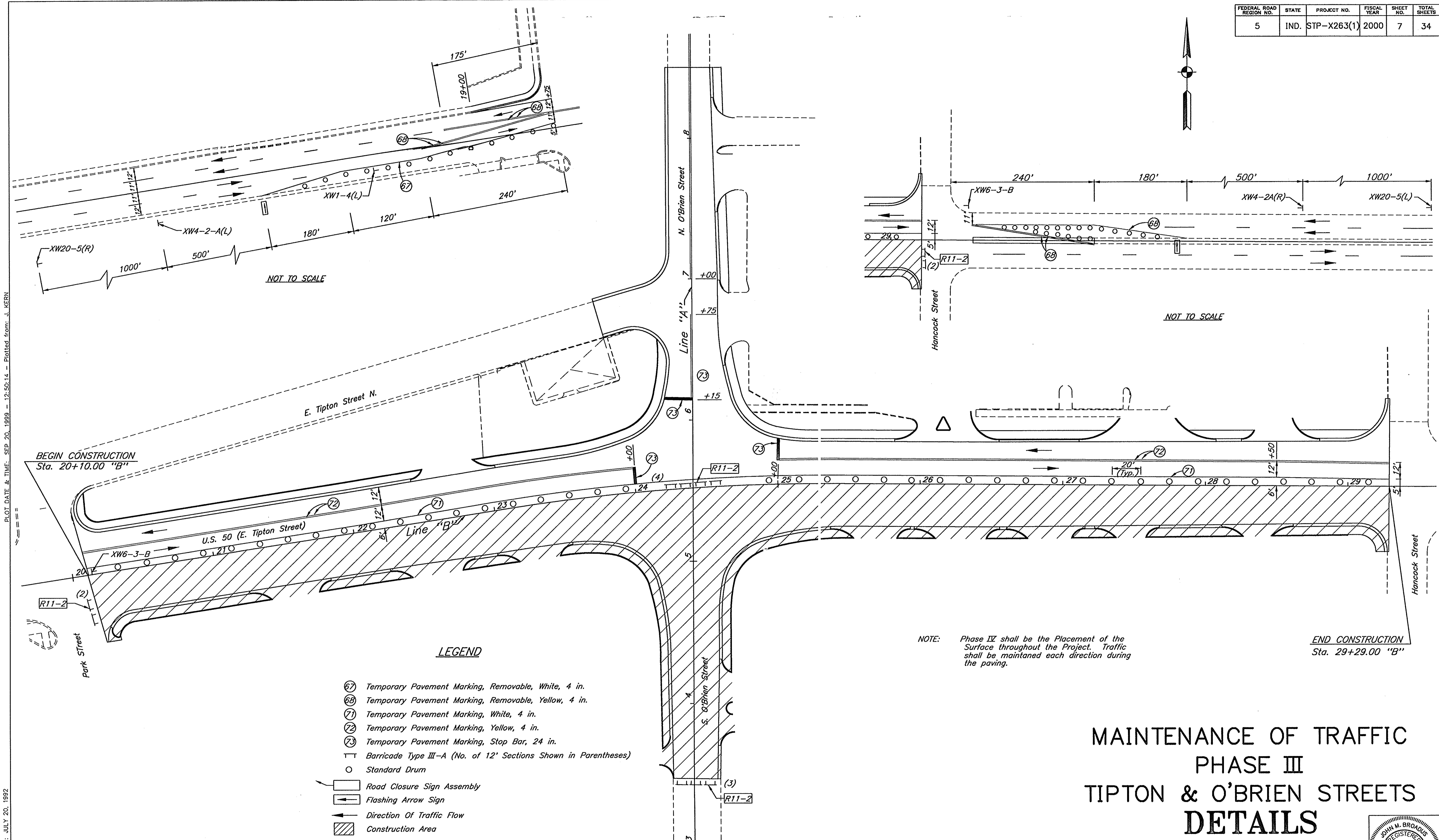
MAINTENANCE OF TRAFFIC QUANTITIES	Detour	Phase I & II	Phase III	TOTAL
Construction Sign A	10	7	7	24 Ea.
Construction Sign B	6			6 Ea.
Barricade III-A		13 Ea.	11 Ea.	13 Ea.
Detour Route Marker Assembly	8 Ea.			
Flashing Arrow Sign		120 days	120 days	240 days
Road Closed Assembly		5 Ea.	4 Ea.	9 Ea.
<b>Temp. Pavement Markings</b>				
Removable White 4"		640'	540'	1180'
Removable Yellow 4"		1140'	1730'	2870'
White, 4"		1770'	920'	2690'
Yellow, 4"		1620'	2060'	3680'
Stop Bar, 24"		22'	50'	72'
Concrete Curb		95'		95'
Concrete Sidewalk		43 Sys.		43 Sys.
Widening w/HMA, Temp.		212 T.		212 T.
Widening w/Comp. Aggregate, Temp.		177 T.		177 T.
Comp. Aggregate, 0, 53, Undistrib.		100 T.	100 T.	200 T.

# MAINTENANCE OF TRAFFIC PHASE I & PHASE II TIPTON & O'BRIEN STREETS DETAILS

SCALE: 1" = 30'



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	7	34



NOT TO SCALE

NOT TO SCALE

BEGIN CONSTRUCTION  
Sta. 20+10.00 "B"

END CONSTRUCTION  
Sta. 29+29.00 "B"

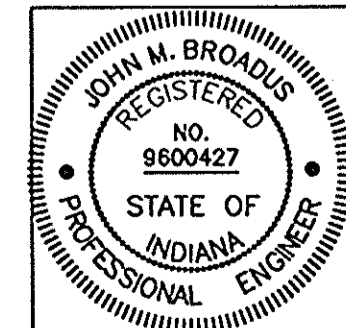
NOTE: Phase IV shall be the Placement of the Surface throughout the Project. Traffic shall be maintained each direction during the paving.

**LEGEND**

- ⊙ Temporary Pavement Marking, Removable, White, 4 in.
- ⊙ Temporary Pavement Marking, Removable, Yellow, 4 in.
- ⊙ Temporary Pavement Marking, White, 4 in.
- ⊙ Temporary Pavement Marking, Yellow, 4 in.
- ⊙ Temporary Pavement Marking, Stop Bar, 24 in.
- ⊏ Barricade Type III-A (No. of 12' Sections Shown in Parentheses)
- Standard Drum
- ▭ Road Closure Sign Assembly
- ⬅ Flashing Arrow Sign
- ➡ Direction Of Traffic Flow
- ▨ Construction Area

# MAINTENANCE OF TRAFFIC PHASE III TIPTON & O'BRIEN STREETS DETAILS

SCALE: 1" = 30'



DESIGNER: BCS 8/89 - checked: BCS 8/89  
 DRAWN: MCK 8/89 - checked: EOC 8/89  
 SHEET REVISED: JULY 20, 1992

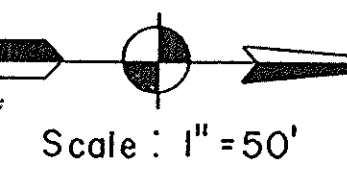
STREET APPROACH REQ'D  
STA 6+92 "A" LT. W=24'

NOTE: FOR TRAFFIC SIGNAL, SIGNING AND  
PAVEMENT MARKING DETAILS, SEE SHEET NO.S 13 & 14.

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-MX263(1)	2000	8	34

### SHIELDS ADDITION

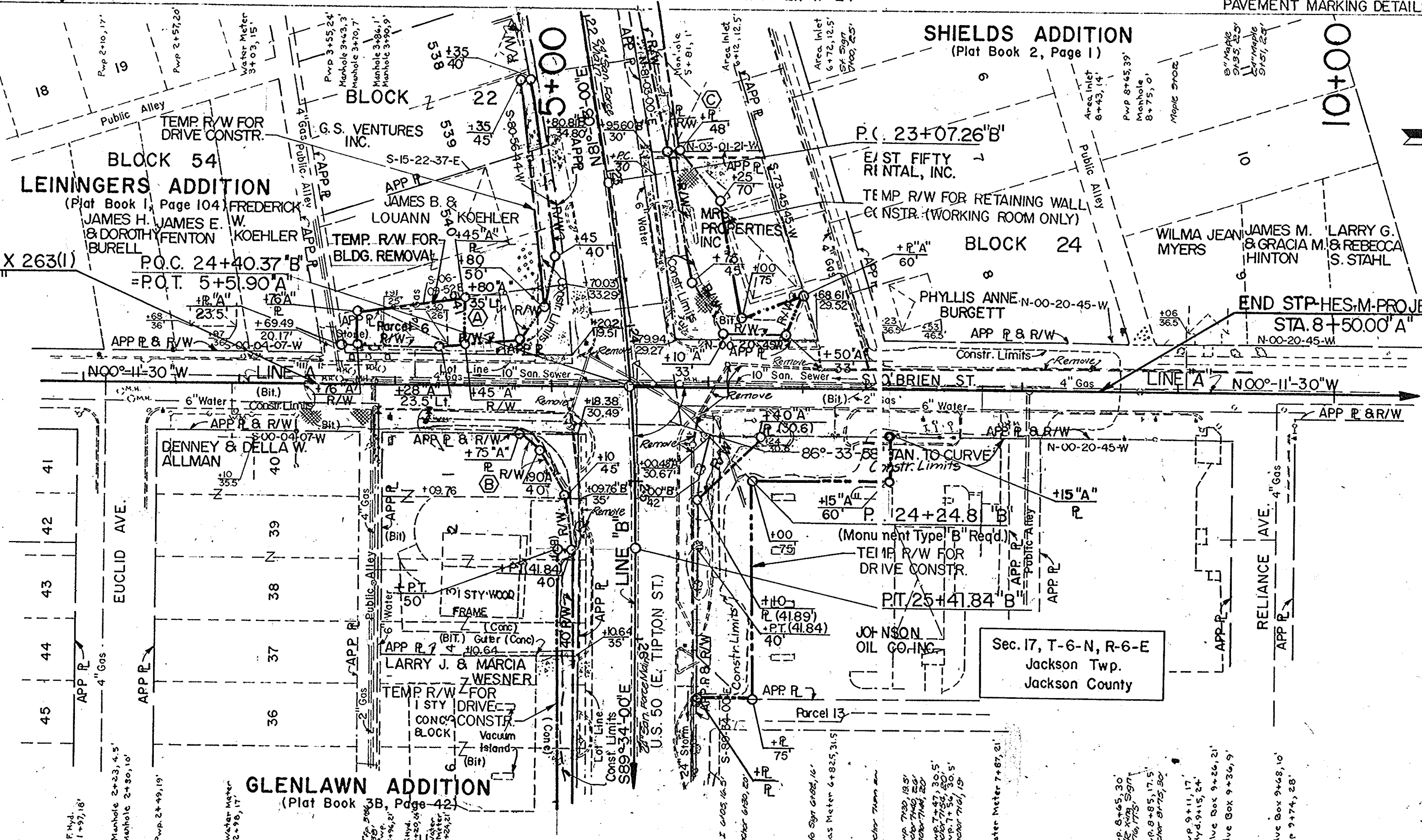
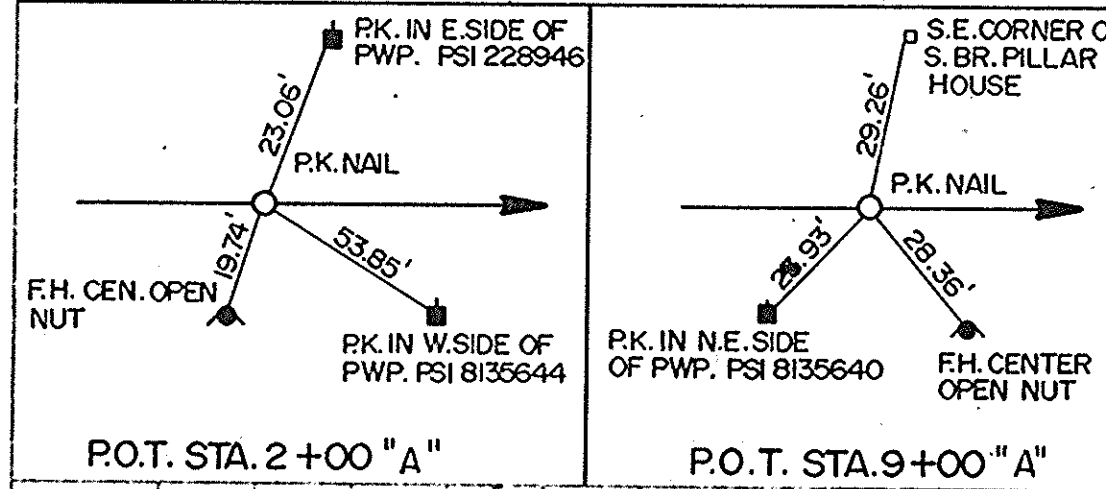
(Plot Book 2, Page 1)



BEGIN STP-HES-M-PROJECT X 263(1)  
STA. 3+50.00 "A"  
(Monument Type "B" Req'd.)

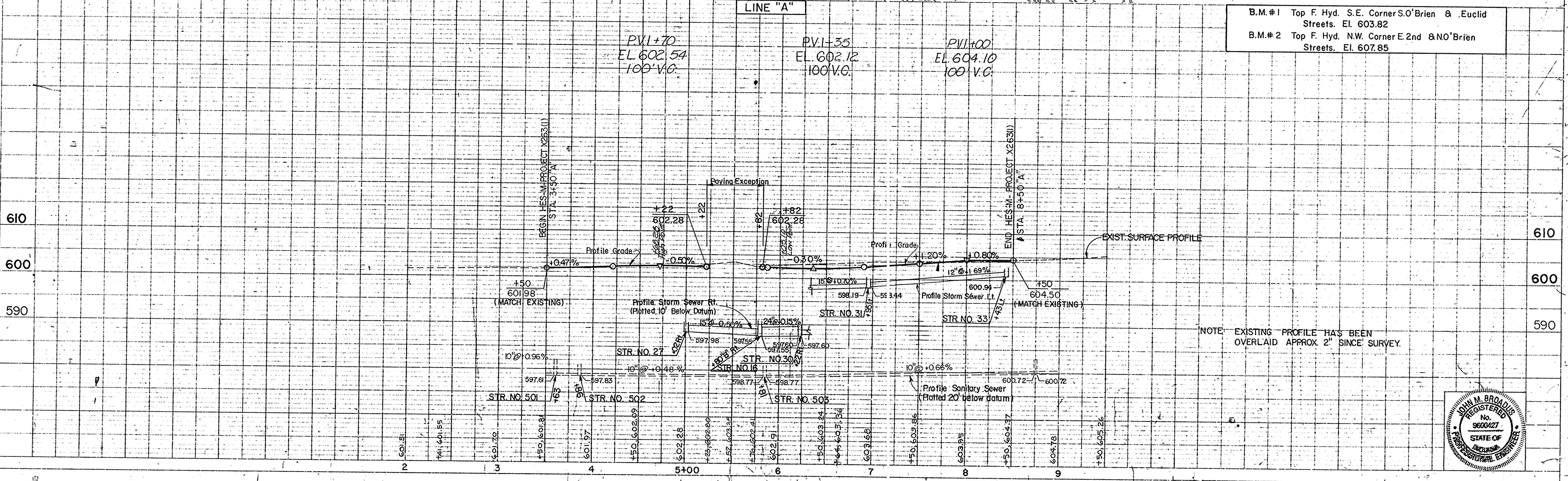
END STP-HES-M-PROJECT X 263(1)  
STA. 8+50.00 "A"  
(Monument Type "B" Req'd.)

- LEGEND FOR PROPERTY OWNERS**
- (A) JAMES E. FENTON
  - (B) ROBERT E. & PATRICIA TOPPE
  - (C) DOUGLAS L. & BARBARA POWERS



NOTE: ALL R/W THIS SHEET TO BE AS SHOWN.  
ALL R/W TO BE TAKEN FROM LINE "B"  
UNLESS OTHERWISE NOTED.  
FOR DRAINAGE AND CONSTRUCTION DETAILS  
SEE SHEET NO. 10 & 11.

B.M.#1 Top F. Hyd. S.E. Corner S.O'Brien & Euclid Streets. El. 603.82  
B.M.#2 Top F. Hyd. N.W. Corner E. 2nd & N.O'Brien Streets. El. 607.85



NOTE: EXISTING PROFILE HAS BEEN OVERLAID APPROX. 2" SINCE SURVEY.

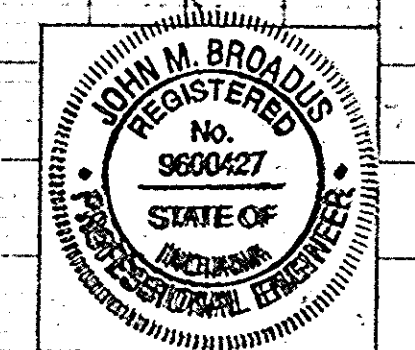


PLATE 1 - PLAN - PROFILE U. S. STANDARD 1975



NOTE: FOR TRAFFIC SIGNAL, SIGNING AND PAVEMENT MARKING DETAILS, SEE SHEET NOS 13 & 14.

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-MX263(1)	2000	9	34

Sec. 17, T-6-N, R-6-E  
Jackson Twp.  
Jackson County

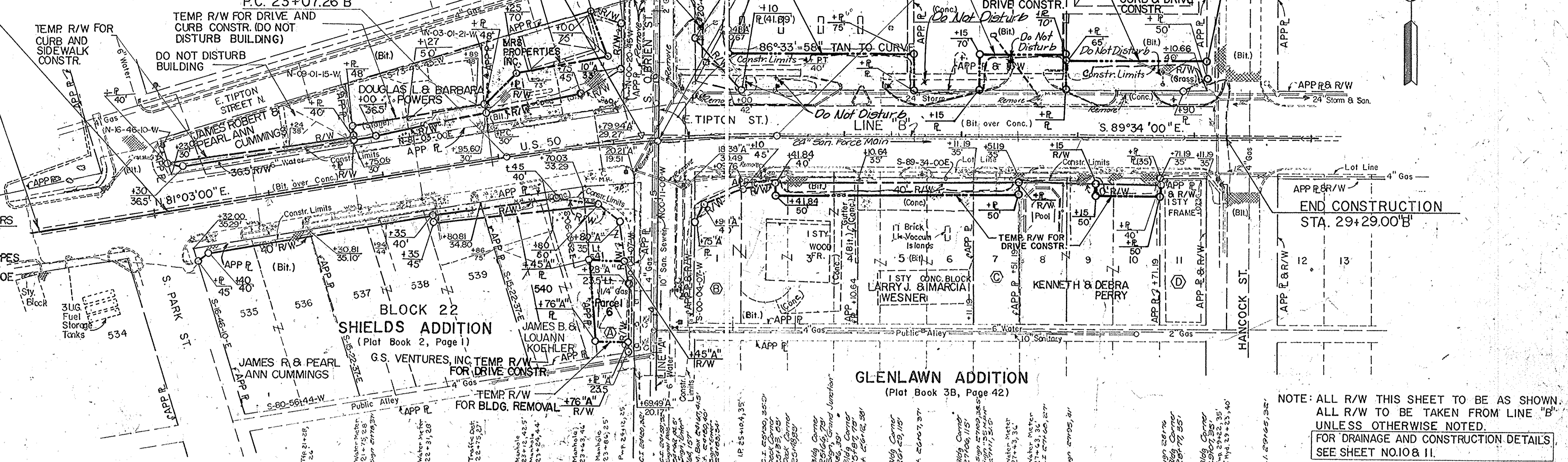
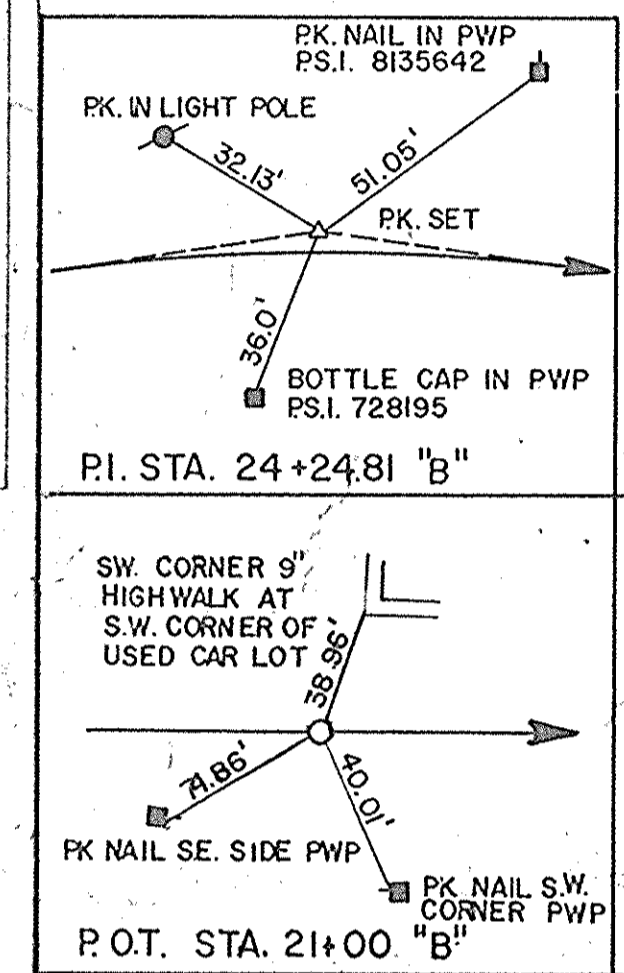
**CURVE DATA LINE "B"**  
 $\Delta = 9^{\circ}23'00''$  Rt.  
 $D = 4^{\circ}00'00''$   
 $R = 1432.39$   
 $T = 1132.39$   
 $L = 234.58'$   
 $E = 4.82'$   
 $SE = 4.82'$

BEGIN CONSTRUCTION  
STA. 20+10 "B"

BEGIN INCIDENTAL CONSTRUCTION  
STA. 19+00 "B"

END CONSTRUCTION  
STA. 29+29.00 "B"

- LEGEND FOR PROPERTY OWNERS**
- (A) JAMES E. FENTON
  - (B) ROBERT E. & PATRICIA TOPPES
  - (C) LARRY N. & PAULA RENFROE
  - (D) PHYLLIS ANNE & ALLEN BURGETT



NOTE: ALL R/W THIS SHEET TO BE AS SHOWN. ALL R/W TO BE TAKEN FROM LINE "B" UNLESS OTHERWISE NOTED. FOR DRAINAGE AND CONSTRUCTION DETAILS, SEE SHEET NO. 10 & 11.

**BENCH MARK DATA**

B.M.#1	Top F. Hyd. S.E. Corner O'Brien & Euclid Streets	El. 603.82
T.B.M.#1	Anchor Bolt on N.W. Corner 2'x2' Concrete Pad on S.E. Corner Tipton & Park Streets	El. 605.12

P.V.I. +00  
EL. 604.30  
100' V.C.

P.V.I. +00  
EL. 602.60  
100' V.C.

P.V.I. +00  
EL. 602.28  
100' V.C.

P.V.I. +00  
EL. 603.15  
100' V.C.

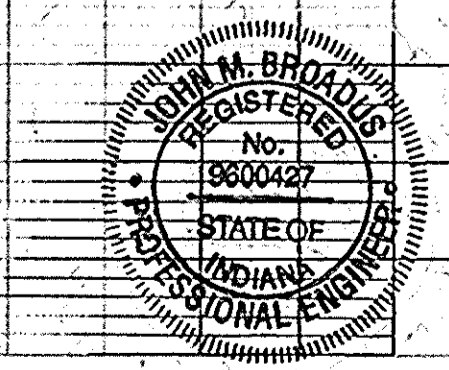
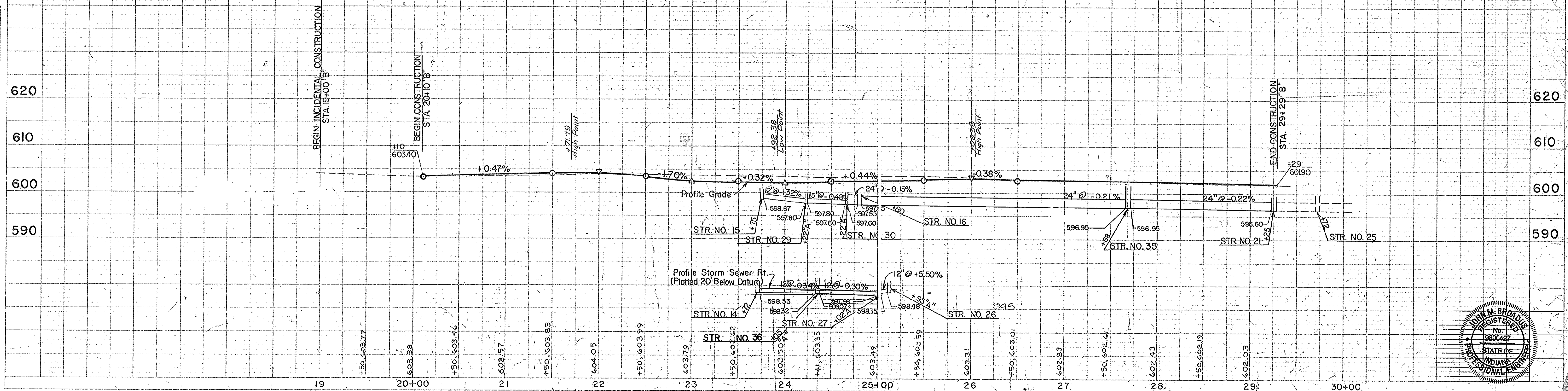


PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE  
 ENGINEERING DRAWING BOARD  
 INDIANA PROFESSIONAL ENGINEERS

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
HES-MX263(1)	B	9	34	

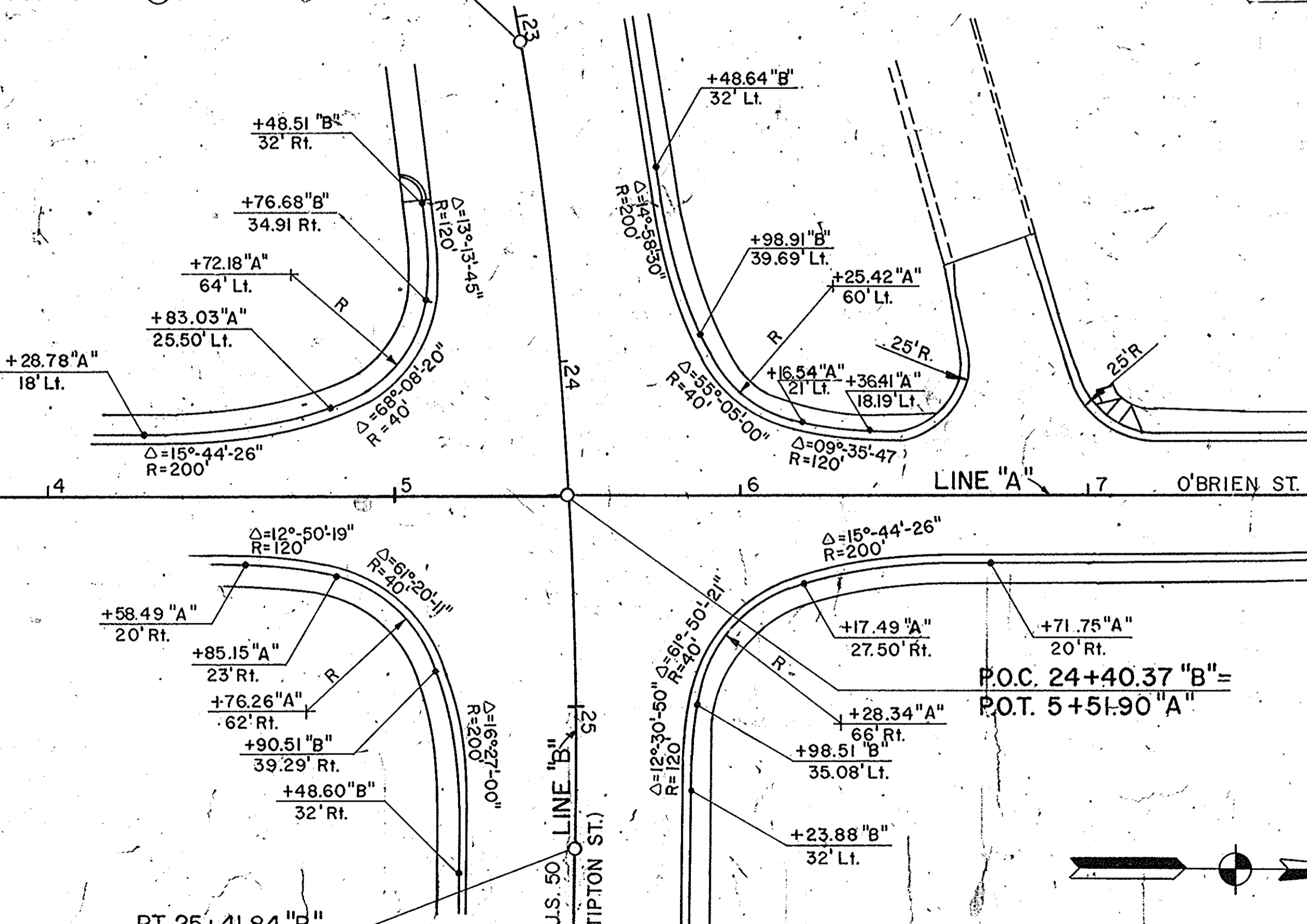
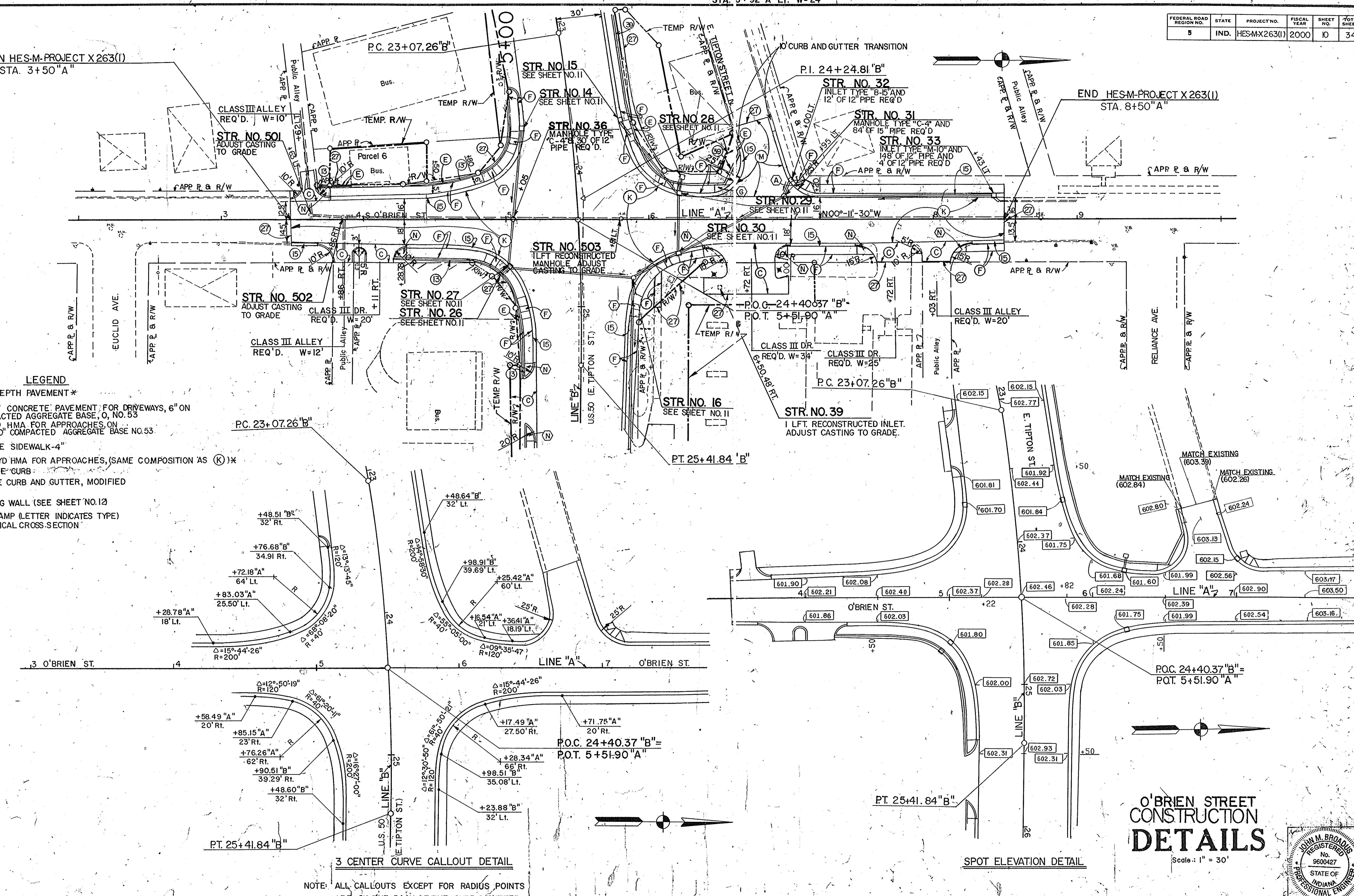
Contract No. R-21731

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-MX263(1)	2000	10	34

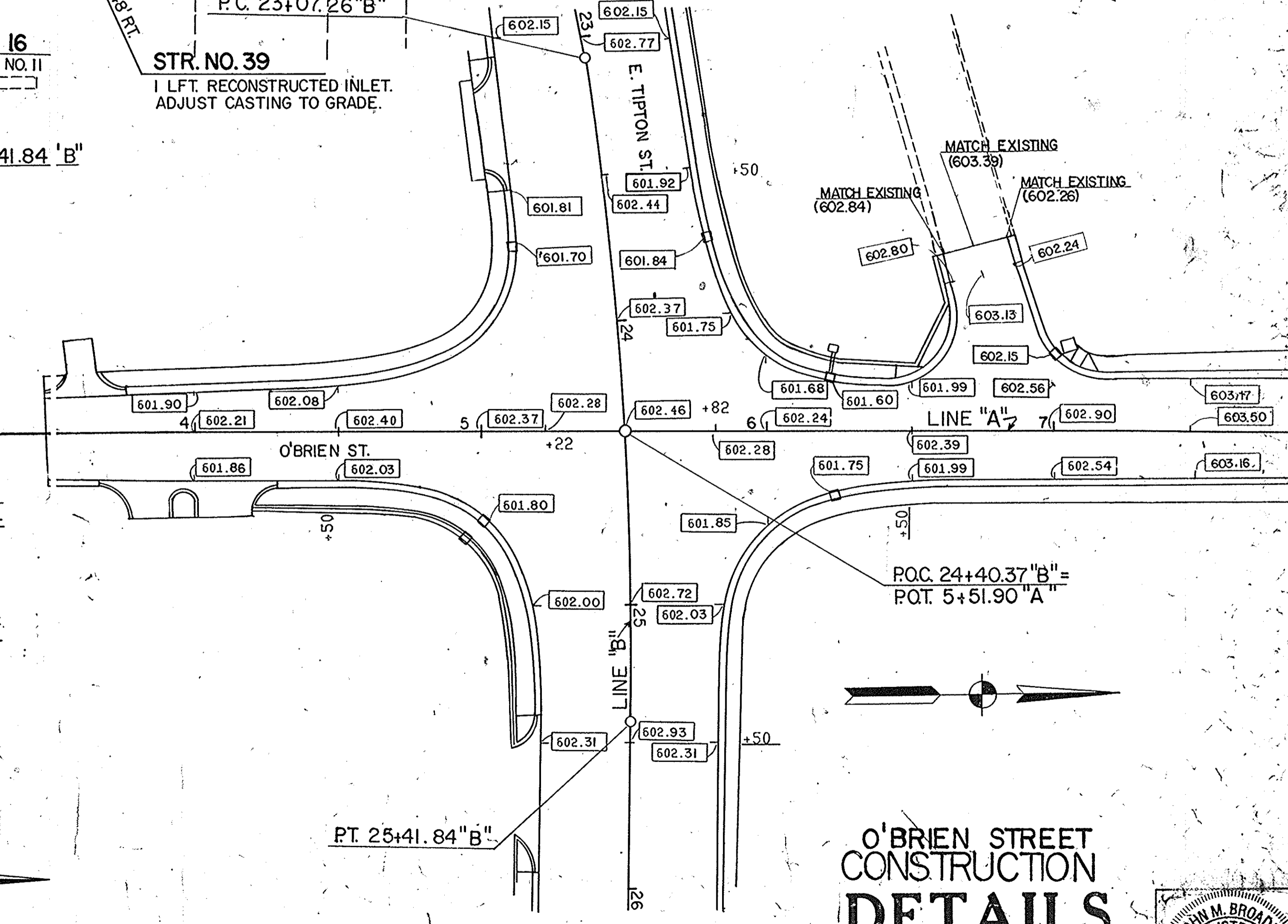
BEGIN HES-M-PROJECT X263(1)  
STA. 3+50.0" A

END HES-M-PROJECT X263(1)  
STA. 8+50.0" A

- LEGEND**
- (K) FULL DEPTH PAVEMENT\*
  - (C) CEMENT CONCRETE PAVEMENT FOR DRIVEWAYS, 6" ON 6" COMPACTED AGGREGATE BASE, O, NO. 53
  - (E) 440#/SYD HMA FOR APPROACHES ON 8" TYPE 'O' COMPACTED AGGREGATE BASE NO.53
  - (F) CONCRETE SIDEWALK-4"
  - (M) 1680#/SYD HMA FOR APPROACHES, (SAME COMPOSITION AS (K))\*
  - (B) CONCRETE CURB
  - (S) CONCRETE CURB AND GUTTER, MODIFIED
  - (27) SAWCUT
  - (36) RETAINING WALL (SEE SHEET NO.12)
  - (C) CURB RAMP (LETTER INDICATES TYPE)
  - \* SEE TYPICAL CROSS SECTION

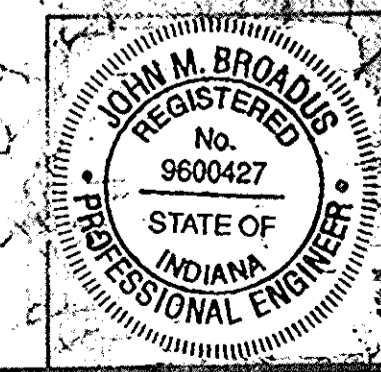


NOTE: ALL CALLOUTS EXCEPT FOR RADIUS POINTS ARE ON THE BACK OF THE CURB & GUTTER.

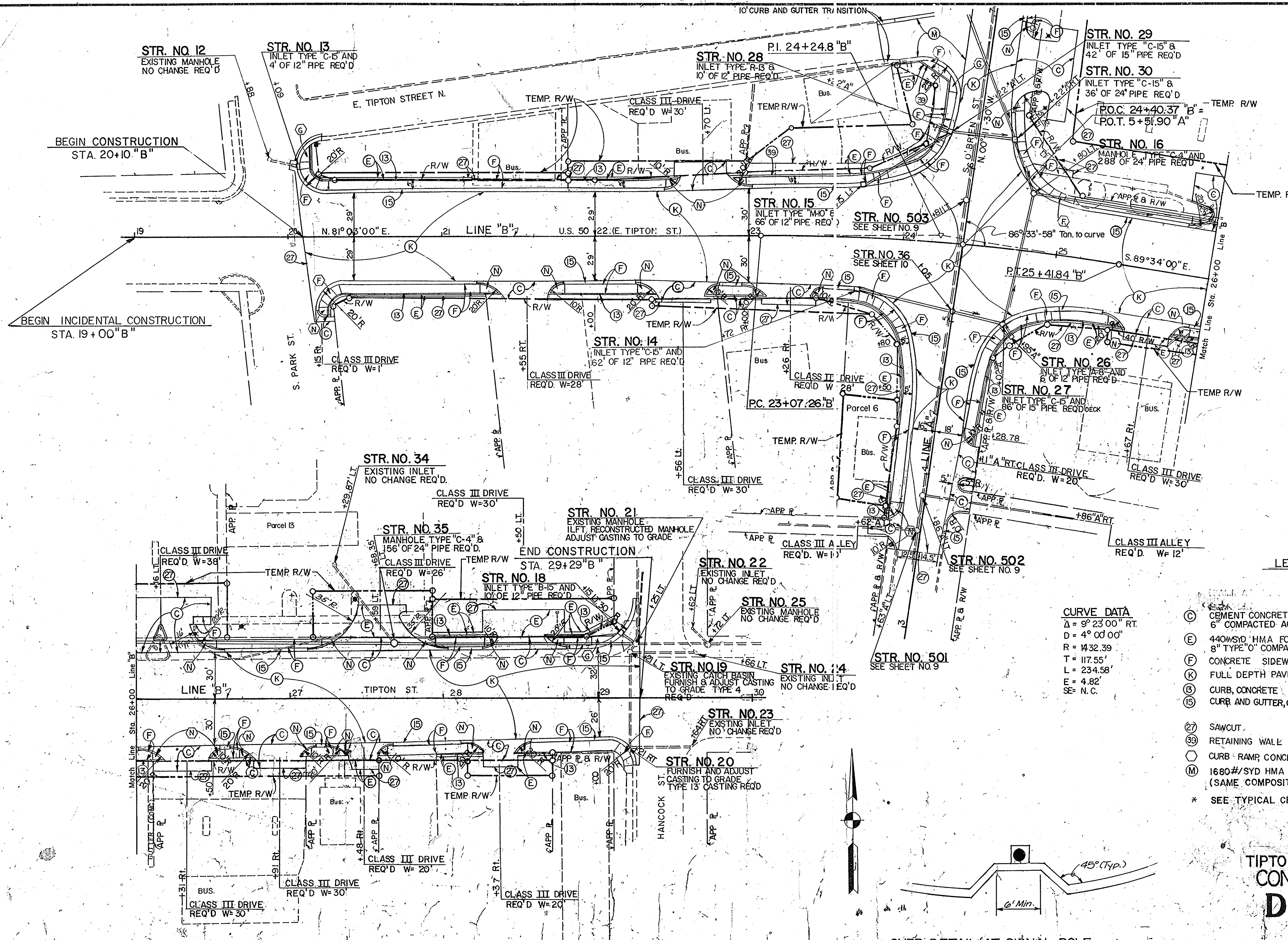


**O'BRIEN STREET  
CONSTRUCTION  
DETAILS**

Scale: 1" = 30'

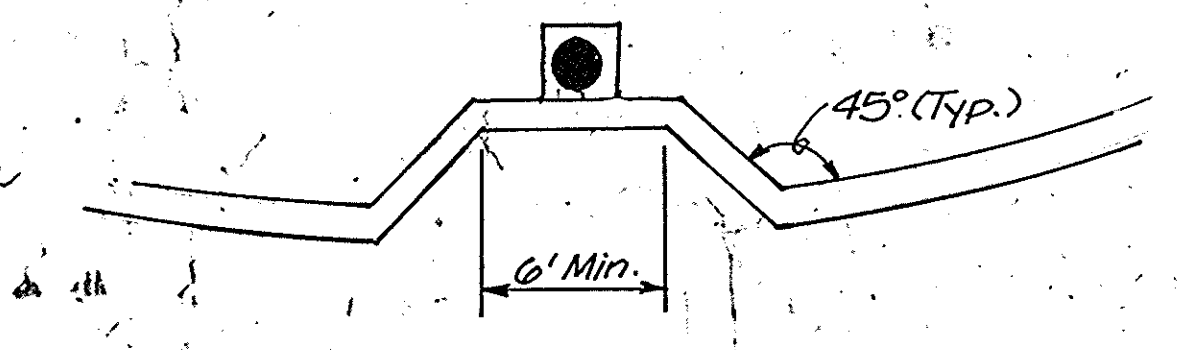


FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-MX263(1)	2000	11	34

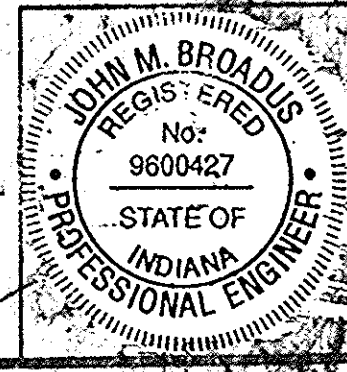


**CURVE DATA**  
 $\Delta = 9^\circ 23' 00''$  RT.  
 $D = 4^\circ 00' 00''$   
 $R = 1432.39$   
 $T = 117.55'$   
 $L = 234.58'$   
 $E = 4.82'$   
 $SE = N.C.$

- LEGEND**
- (C) CEMENT CONCRETE PAVEMENT FOR DRIVEWAYS, 6" ON 6" COMPACTED AGGREGATE, 0, NO. 53
  - (E) 440#/SYD HMA FOR APPROACHES, ON 8" TYPE "D" COMPACTED AGGREGATE BASE NO. 53
  - (F) CONCRETE SIDEWALK - 4"
  - (K) FULL DEPTH PAVEMENT \*
  - (B) CURB, CONCRETE
  - (15) CURB AND GUTTER, CONCRETE, MODIFIED
  - (27) SAWCUT
  - (39) RETAINING WALL (SEE SHEET NO. 12)
  - (M) CURB RAMP, CONCRETE. (LETTER INDICATES TYPE)
  - (M) 1680#/SYD HMA FOR APPROACHES (SAME COMPOSITION AS (K)) \*
  - \* SEE TYPICAL CROSS SECTIONS



**TIPTON STREET CONSTRUCTION DETAILS**  
 Scale: 1" = 30'



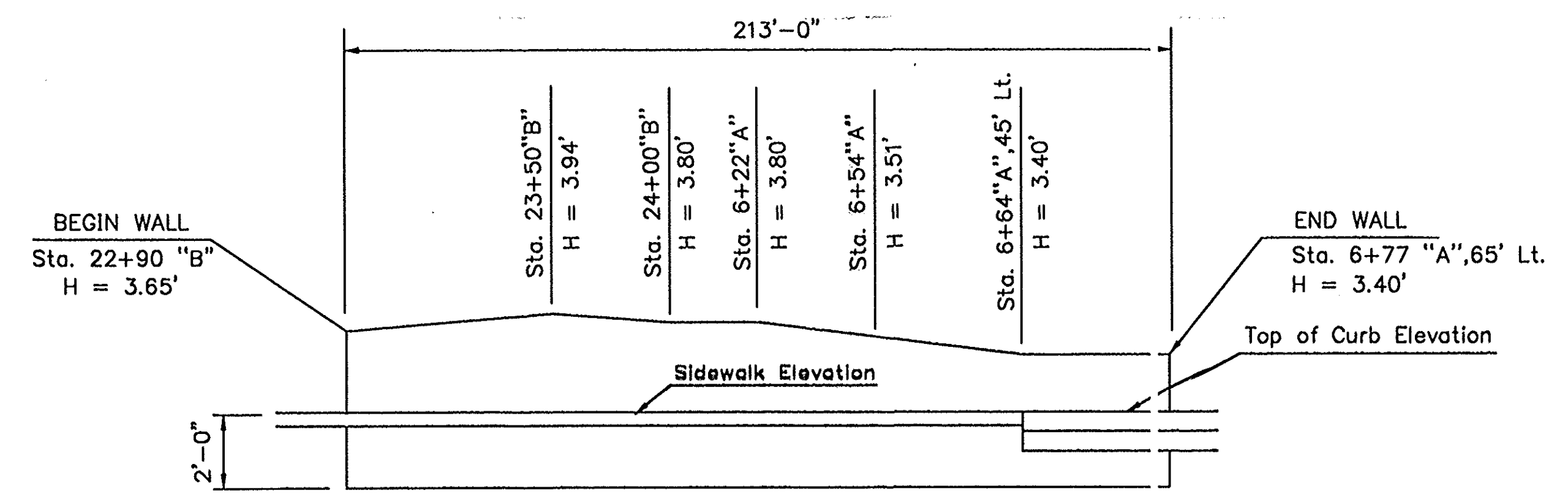
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	12	34

**LEGEND**

- (E) 440#/SYD. HMA FOR APPROACHES ON 8" TYPE "O" COMPACTED AGGREGATE BASE, O, NO. 53
- (F) 4" CONCRETE SIDEWALK
- (U) PIPE TYPE 4 FOR RETAINING WALLS
- (10) 1/2" PREFORMED JOINT FILLER
- (39) RETAINING WALL

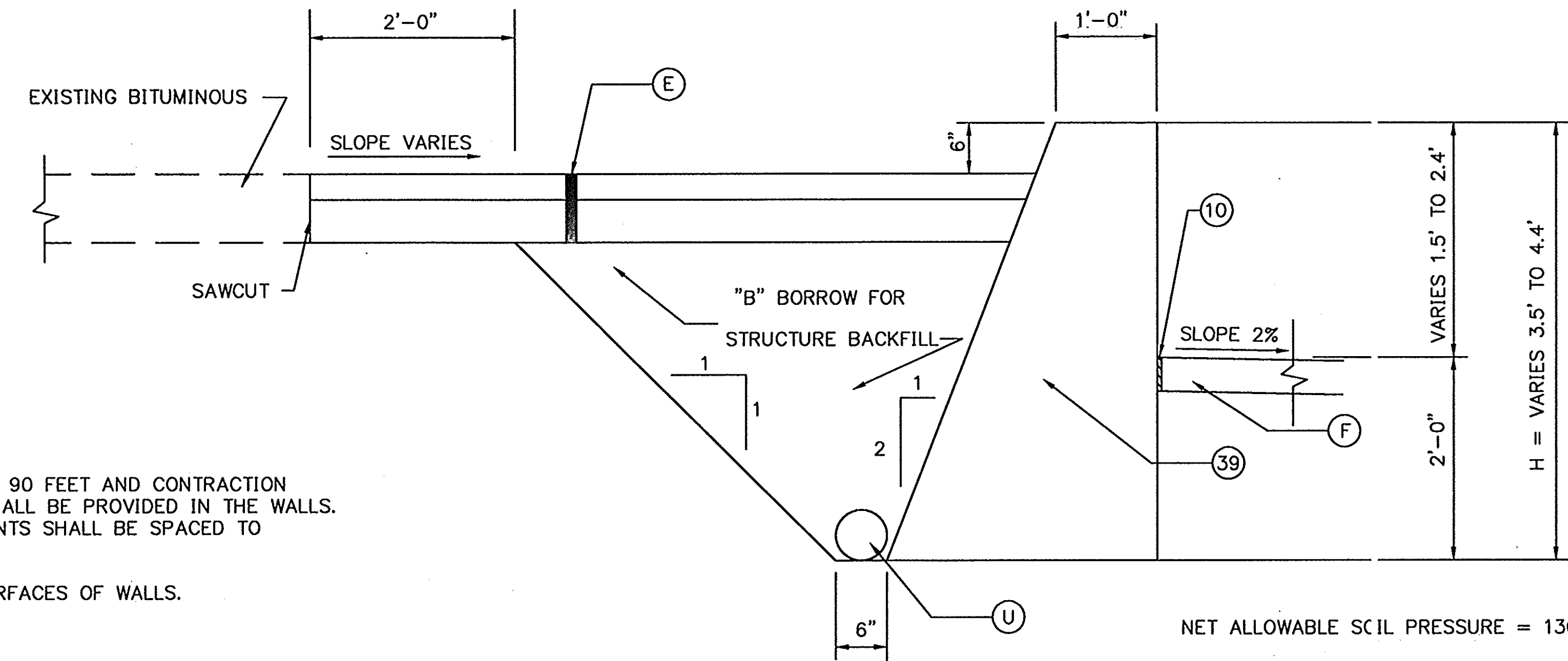
STATION	6" TYPE 4 PIPE FEET	AT STATION	BENDS EACH 45°/90°	WYE EACH 6" to 6"	OUTLET				REMARKS
					TEES EACH 6" to 6"	OUTLET PIPE FEET	SODDING SYS. EACH	DELIN. POST	
23+00"B"LT 6+65"A"LT	226	6+22"A"LT	2	1		8			28
TOTALS					Pipe Type 4, 6"	226 Lft.			
					2 bends at 2" each	4 Lft.			
									230 Lft.
					Pipe, Outlet Pipe 6"	8 Lft.			
					1 Wye at 5" each	5 Lft.			
									13 Lft.

Class A Concrete in Structures	58 Cys.
"B" Borrow for Structure Backfill	1362 Cys.



**ELEVATION VIEW**

NO SCALE



**TYPICAL SECTION-GRAVITY WALL**

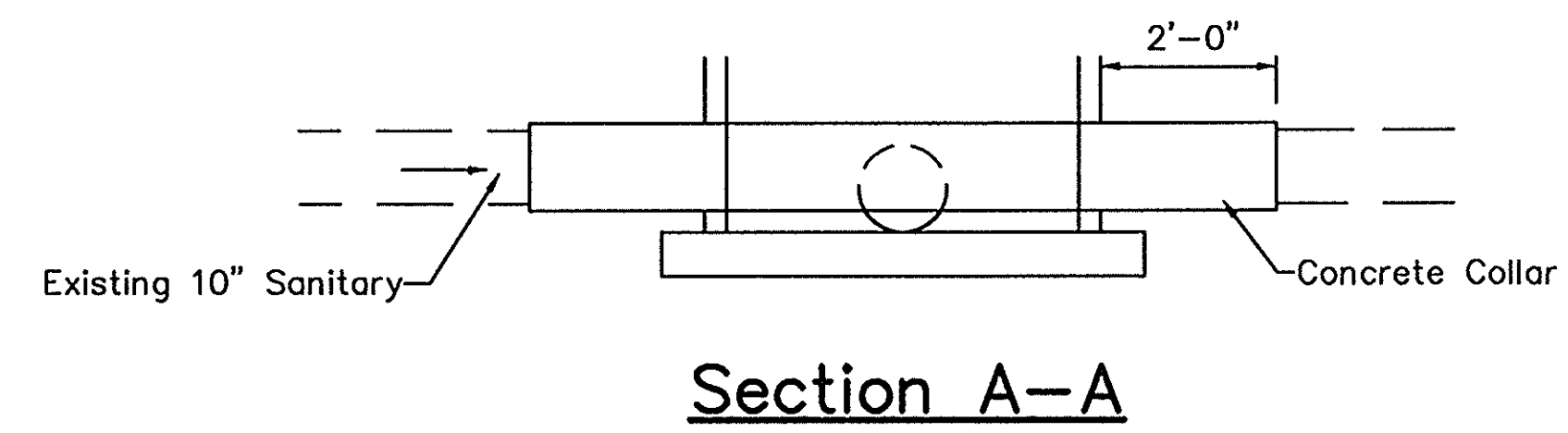
SCALE: 1" = 1'-0"

NET ALLOWABLE SCIL PRESSURE = 1300 LBS/SFT.

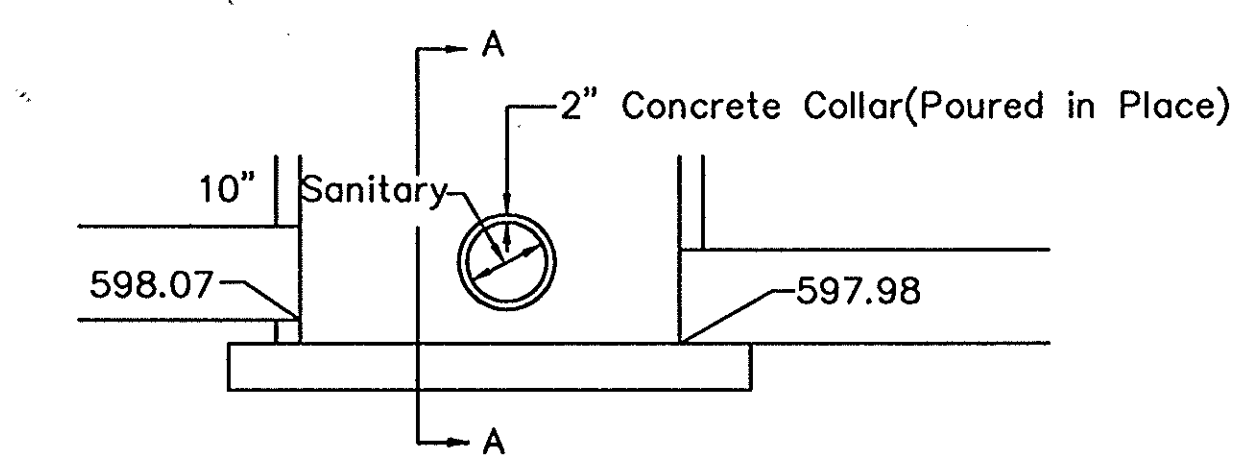
**NOTES**

- EXPANSION JOINTS AT A MAXIMUM SPACING OF 90 FEET AND CONTRACTION JOINTS AT A MAXIMUM SPACING OF 30 FEET SHALL BE PROVIDED IN THE WALLS. IF RUSTIFICATION GROOVES ARE USED, THE JOINTS SHALL BE SPACED TO CORRESPOND WITH RUSTIFICATIONS.
- CLASS 2 FINISH REQUIRED ON ALL EXPOSED SURFACES OF WALLS.
- ALL EXPOSED EDGES TO BE CHAMFERED 1".
- GRAVITY WALL TO BE PAID FOR AS "CONCRETE, CLASS "A" FOR STRUCTURES, CYS."

**RETAINING WALL DETAILS**



**Section A-A**

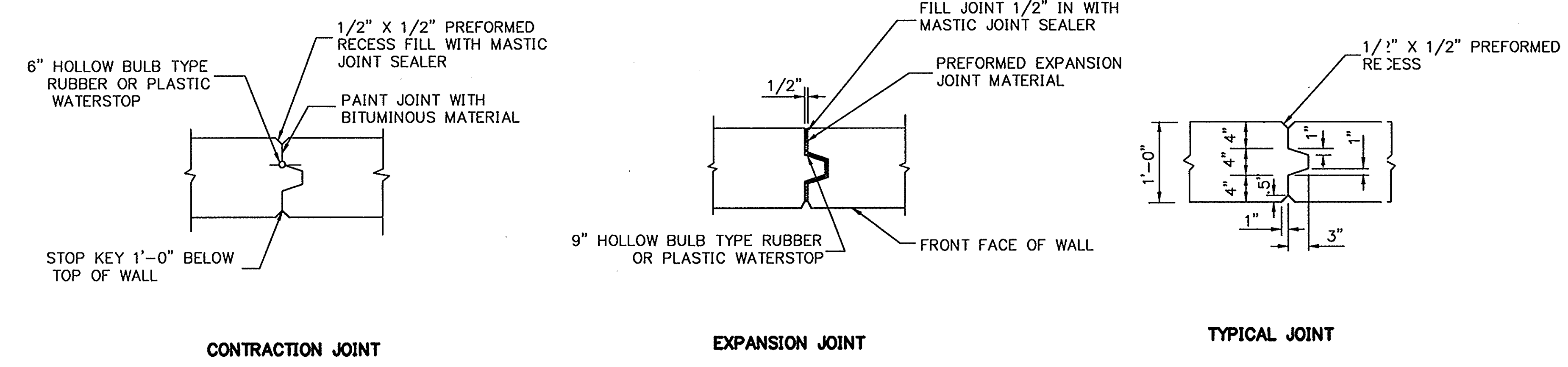


**STR. NO. 36**

Scale: 1' = 1/2"

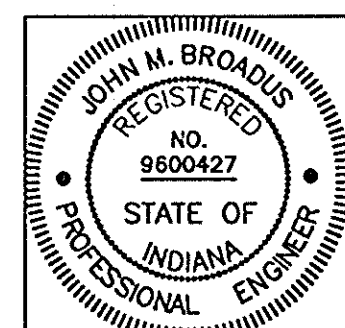
**CONSTRUCTION DETAILS**

SCALE: AS SHOWN



**WALL JOINT DETAILS**

NO SCALE



DESIGNED: [blank] CHECKED: [blank] DATE: [blank]  
 DRAWN: [blank] CHECKED: [blank] DATE: [blank]  
 REVISED: [blank] DATE: [blank]  
 SHEET REVISED: JULY 20, 1992

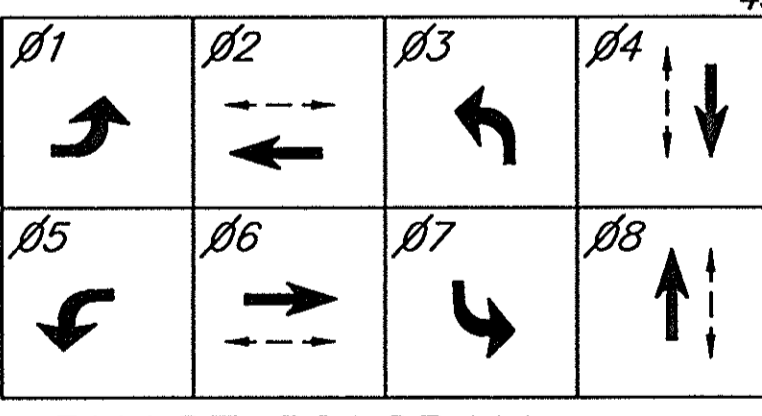
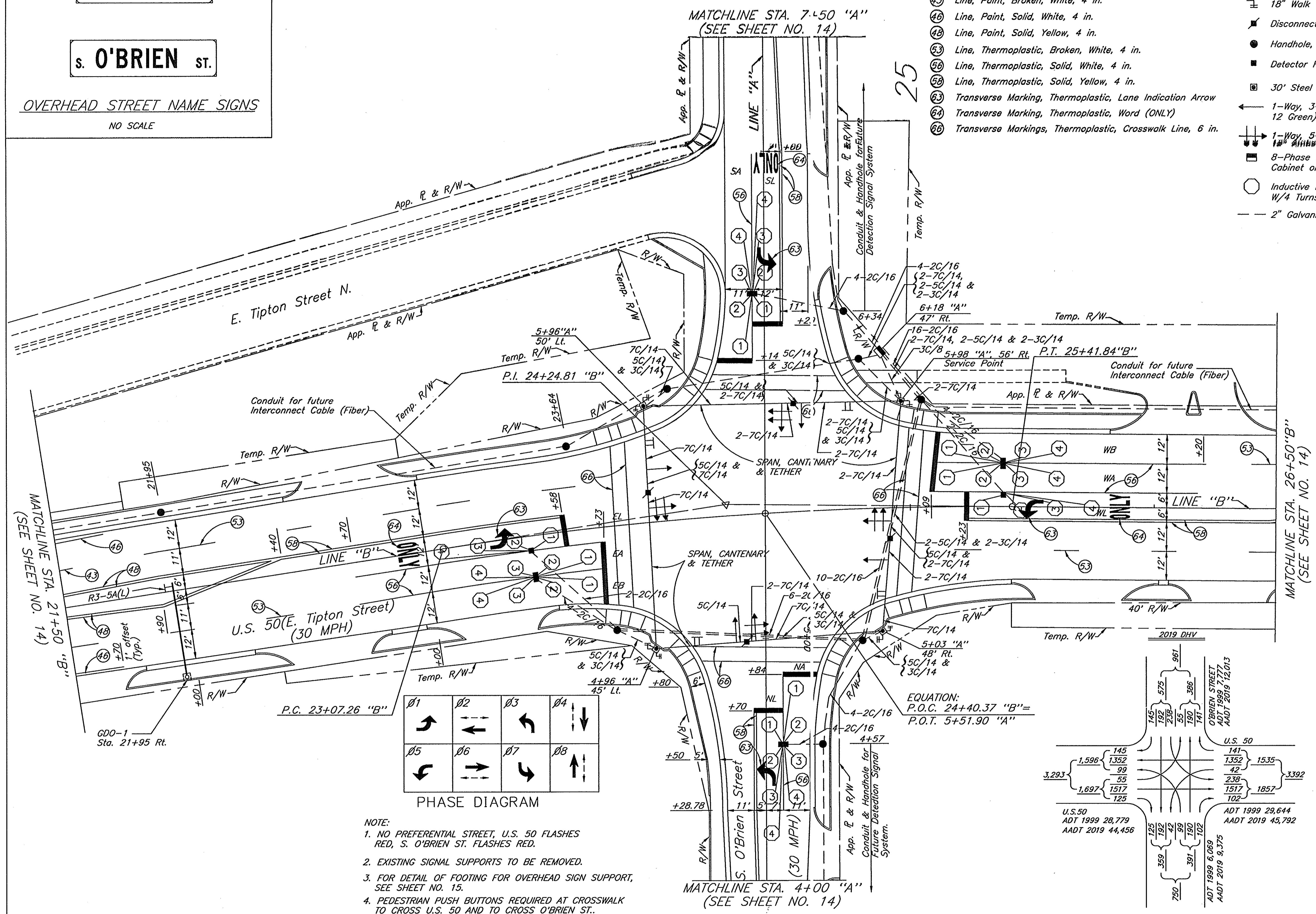
E. TIPTON ST.

S. O'BRIEN ST.

OVERHEAD STREET NAME SIGNS  
NO SCALE

LEGEND

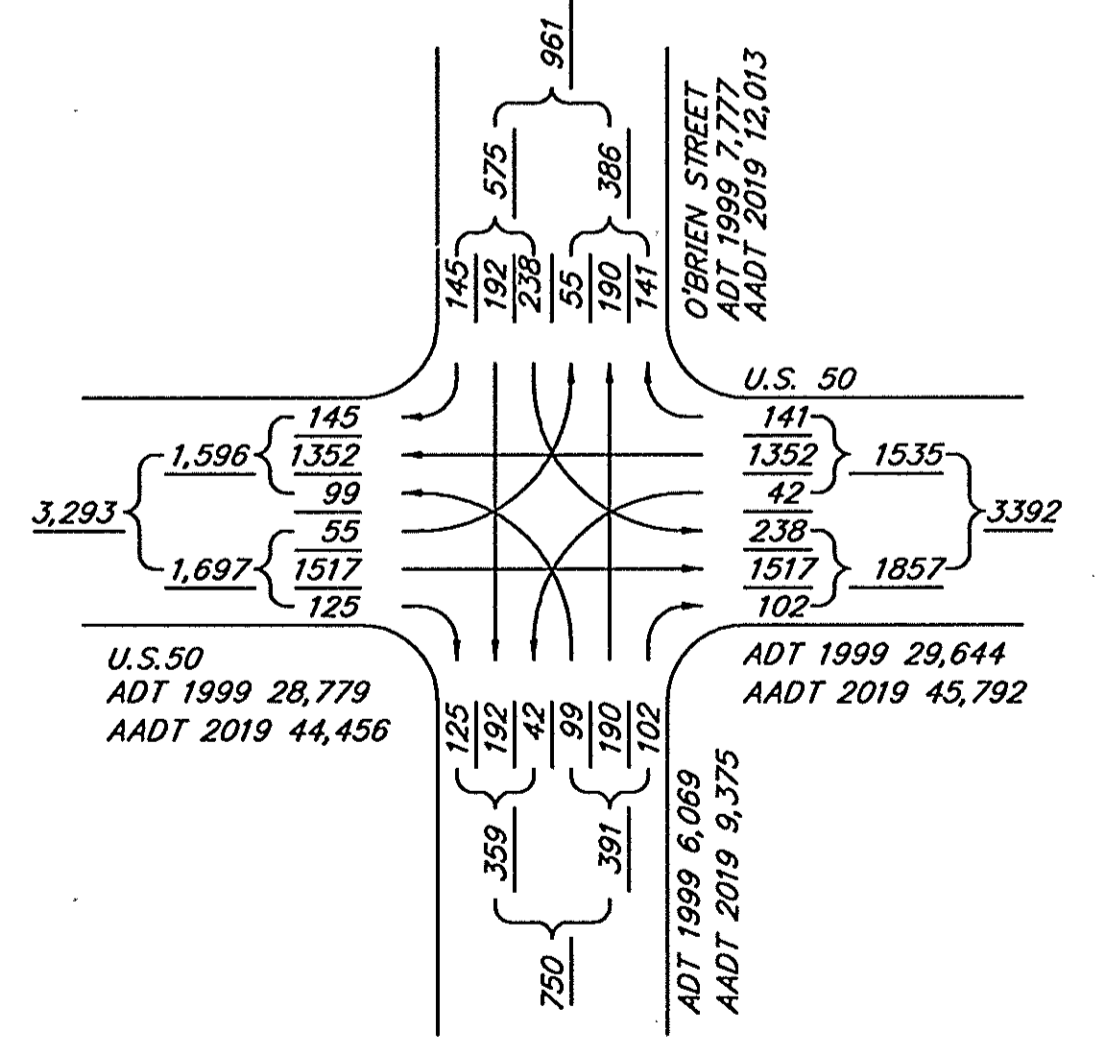
- Transverse Markings, Thermoplastic, Stop Line 24 In.
- Line, Paint, Broken, White, 4 in.
- Line, Paint, Solid, White, 4 in.
- Line, Paint, Solid, Yellow, 4 in.
- Line, Thermoplastic, Broken, White, 4 in.
- Line, Thermoplastic, Solid, White, 4 in.
- Line, Thermoplastic, Solid, Yellow, 4 in.
- Transverse Marking, Thermoplastic, Lane Indication Arrow
- Transverse Marking, Thermoplastic, Word (ONLY)
- Transverse Markings, Thermoplastic, Crosswalk Line, 6 in.
- Overhead Street Name Signs
- 18" Walk - Don't Walk Indication
- Disconnect Hanger
- Handhole, Signal
- Detector Housing
- 30' Steel Strain Pole
- 1-Way, 3-Section (12" Red, 12" Amber, 12 Green) Signal Indication
- 1-Way, 5-Section (12" Red, 12" Amber, 12" Green) Signal Indication
- 8-Phase Menu Driven Controller And Cabinet on a Type "P-1" Foundation
- Inductive Loop Detector, 2'-6" Octagonal W/4 Turns Wire, In Series
- 2" Galvanized Steel Conduit



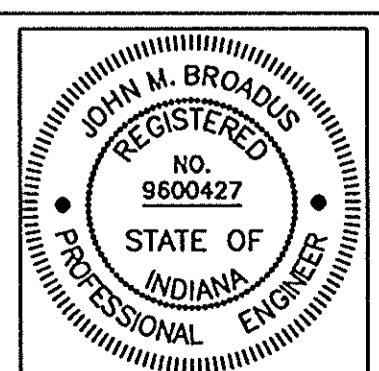
- NOTE:
- NO PREFERENTIAL STREET, U.S. 50 FLASHES RED, S. O'BRIEN ST. FLASHES RED.
  - EXISTING SIGNAL SUPPORTS TO BE REMOVED.
  - FOR DETAIL OF FOOTING FOR OVERHEAD SIGN SUPPORT, SEE SHEET NO. 15.
  - PEDESTRIAN PUSH BUTTONS REQUIRED AT CROSSWALK TO CROSS U.S. 50 AND TO CROSS O'BRIEN ST.. (R-10-4B SIGN REQUIRED.)

LOOP TAGGING TABLE	
LANE	TAG NUMBER
NL	NL3-1,2,3
NA	NAB-1,2,3
WL	WL5-1,2,3
WA	WA2-1,2,3
WB	WB2-1,2,3
SL	SL7-1,2,3
SA	SA4-1,2,3
EL	EL1-1,2,3
EA	EA6-1,2,3
EB	EB6-1,2,3
EB	EB6-4 *
EA	EA6-4 *
EL	EL1-4 *
SA	SA4-4 *
SL	SL7-4 *
WB	WB2-4 *
WA	WA2-4 *
WL	WL5-4 *
NA	NAB-4 *
NL	NL3-4 *

\* Counter Loops



Comm. No. 01-036-008



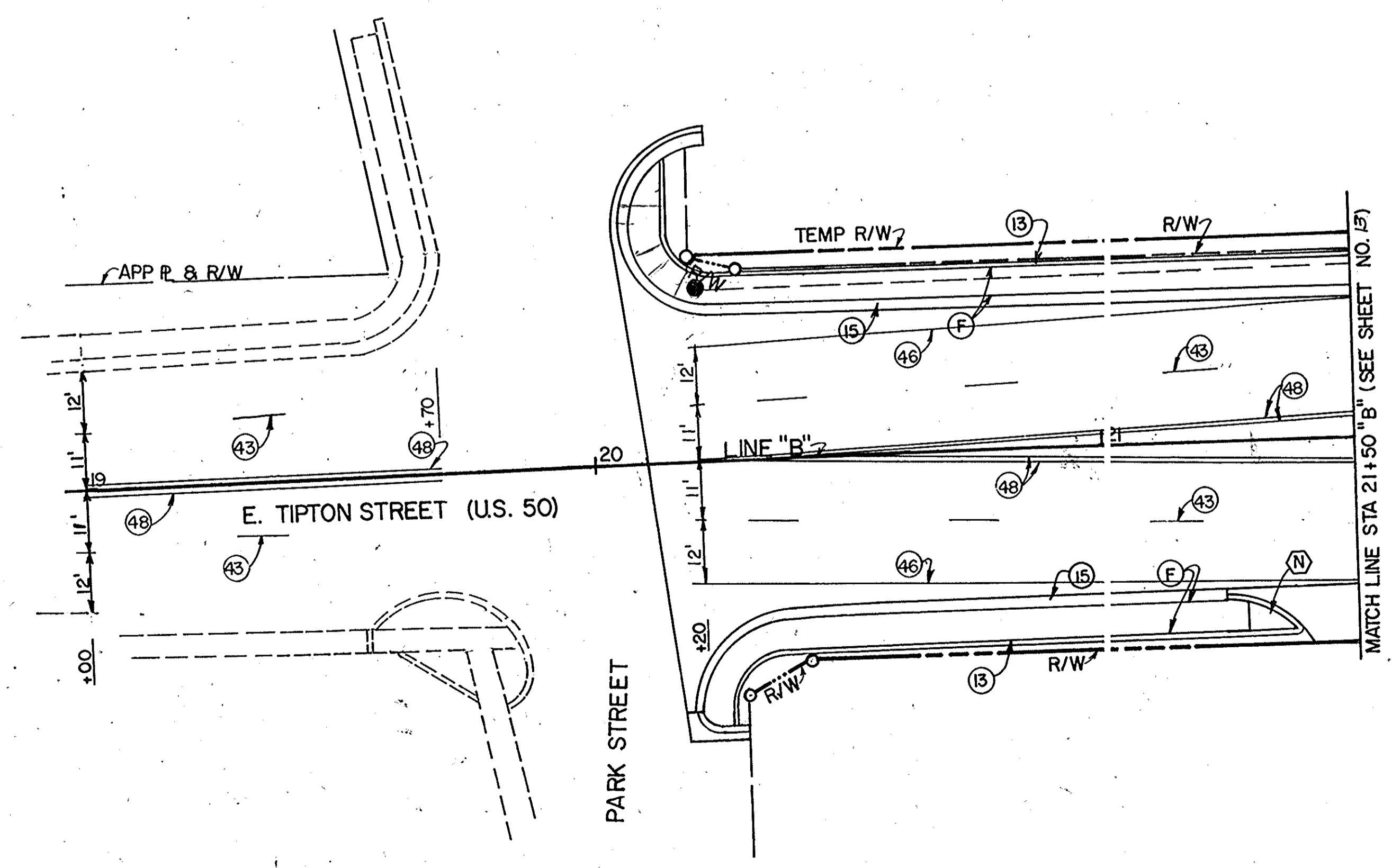
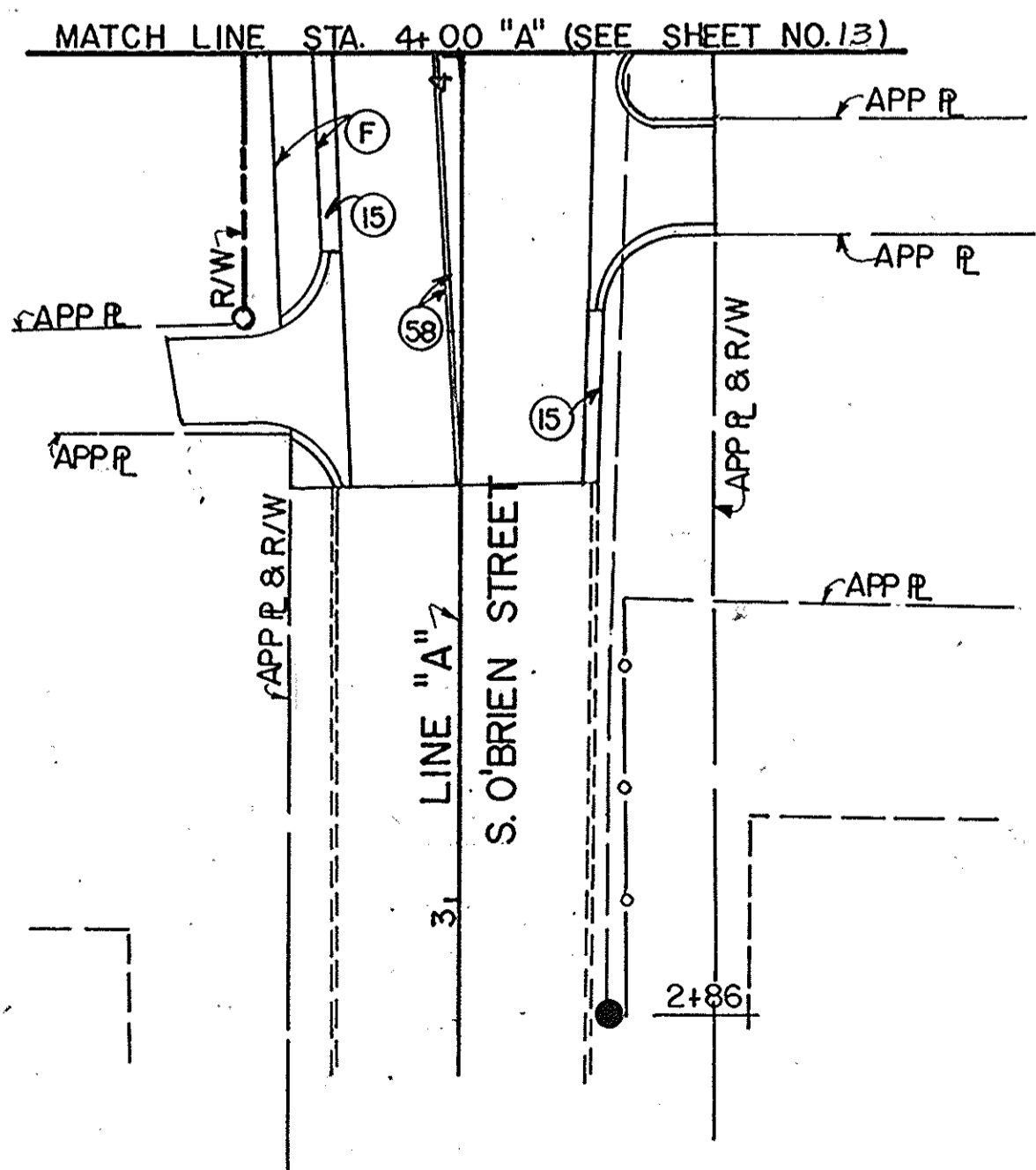
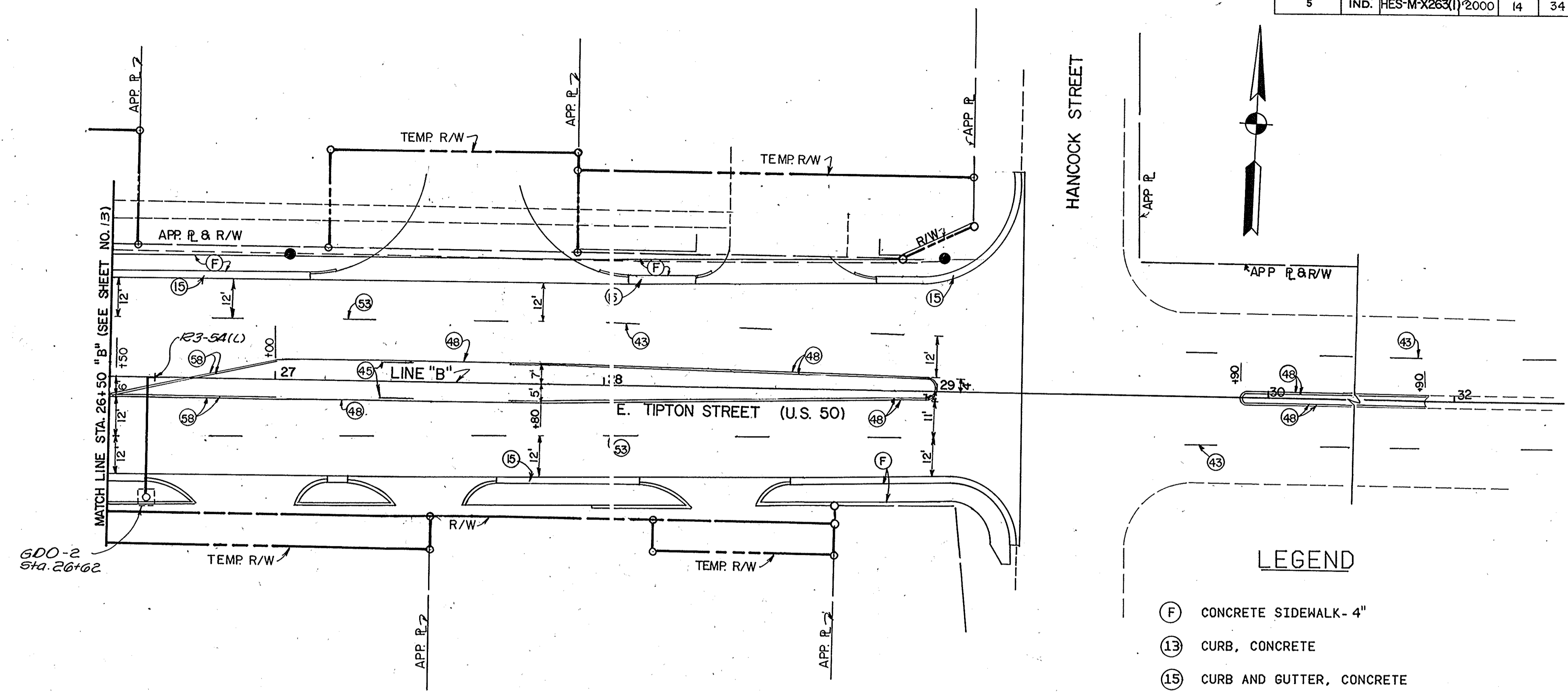
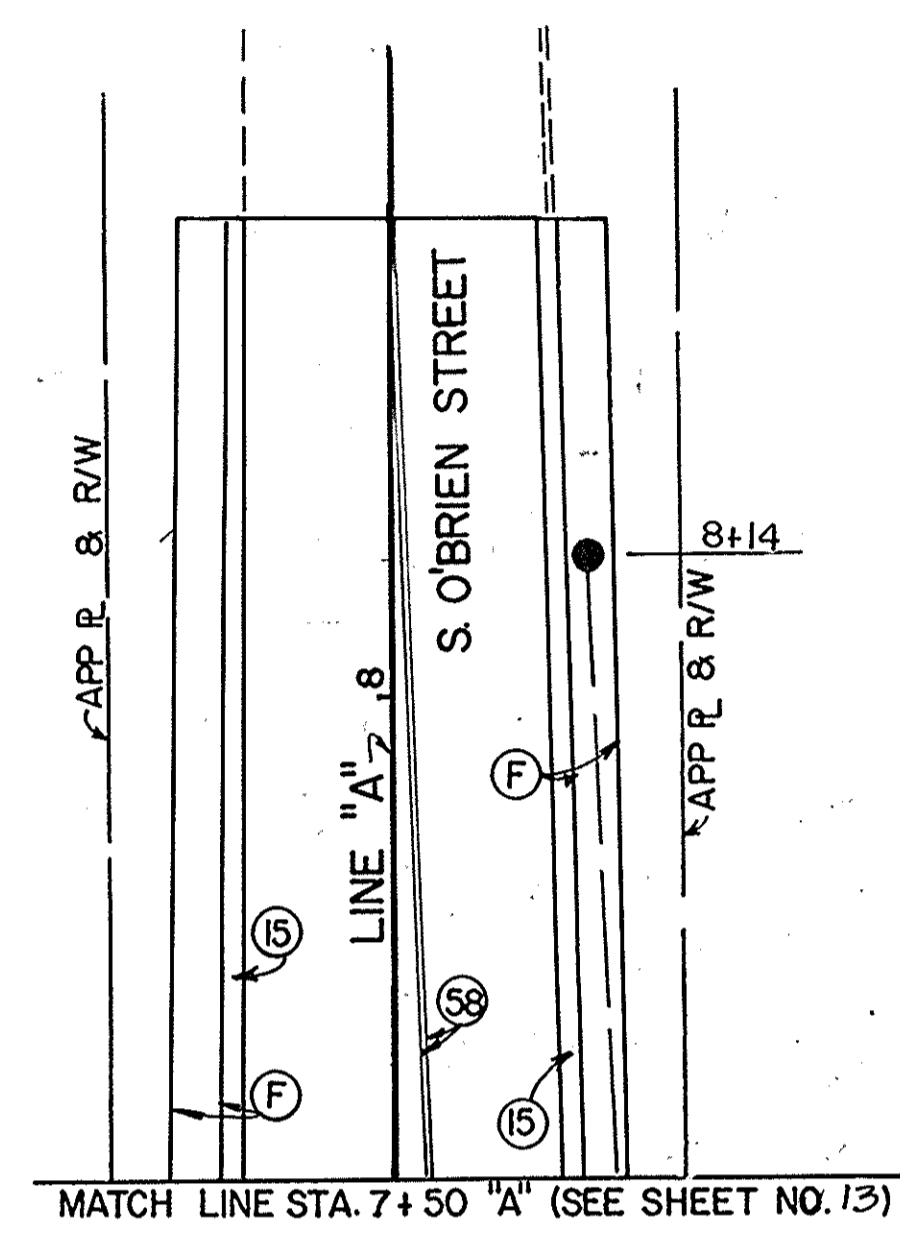
DESIGNED: BJM 4/99	DRAWN: MJK 4/99
CHECKED: BJM 4/99	CHECKED: PCG 4/99
	REVISED: MJK 9/99

INDIANA  
DEPARTMENT OF TRANSPORTATION

SIGNAL MODERNIZATION  
U.S. 50 (TIPTON ST.) & O'BRIEN ST.  
JACKSON COUNTY, SEYMOUR DISTRICT

HORIZONTAL SCALE 1"=20'	FEDERAL ROAD REGION NO. 5
VERTICAL SCALE 1"=20'	YEAR 2000
LEVEL BOOK NO.	SHEETS 13 of 34
CONTRACT NO. R-24731	PROJECT NO. STP-X263(1)

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HES-M-X263(1)	2000	14	34

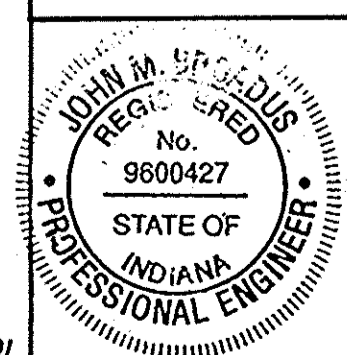


LEGEND

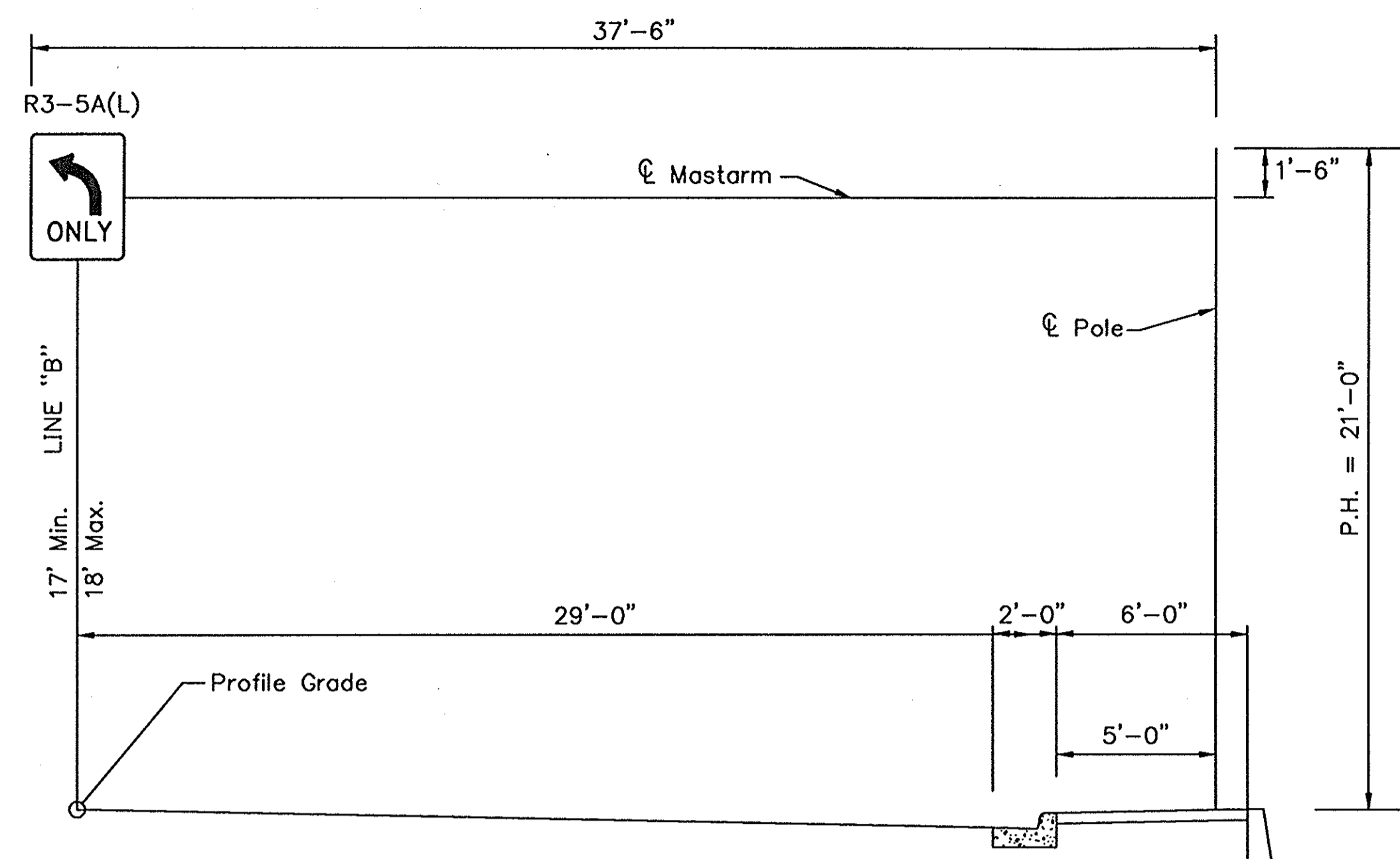
- (F) CONCRETE SIDEWALK - 4"
- (13) CURB, CONCRETE
- (15) CURB AND GUTTER, CONCRETE
- (43) LINE, PAINT, BROKEN, WHITE, 4 INCH
- (53) LINE, THERMOPLASTIC, BROKEN, WHITE, 4 INCH
- (56) LINE, THERMOPLASTIC, SOLID, WHITE, 4 INCH
- (58) LINE, THERMOPLASTIC, SOLID, YELLOW, 4 INCH
- (45) LINE, PAINT, BROKEN, YELLOW, 4 INCH
- (46) LINE, PAINT, SOLID, WHITE, 4 INCH
- (48) LINE, PAINT, SOLID, YELLOW, 4 INCH
- HANDHOLE, SIGNAL
- 2" GALVANIZED STEEL CONDUIT

INDIANA DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF DESIGN

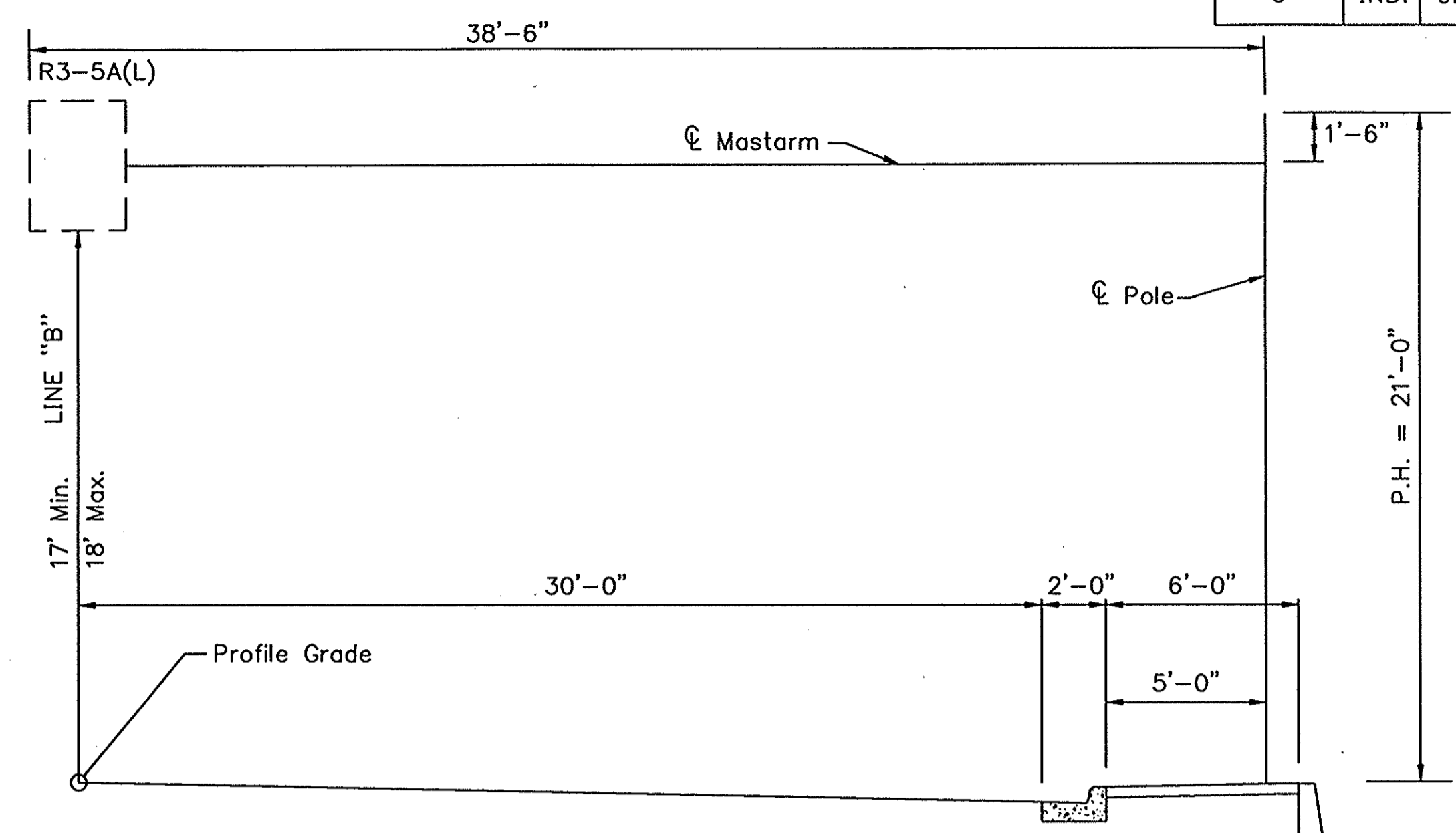
DETAILS  
US 50 (E. TIPTON ST.) & S. O'BRIEN ST.  
SEYMOUR, INDIANA, JACKSON COUNTY  
SEYMOUR DISTRICT



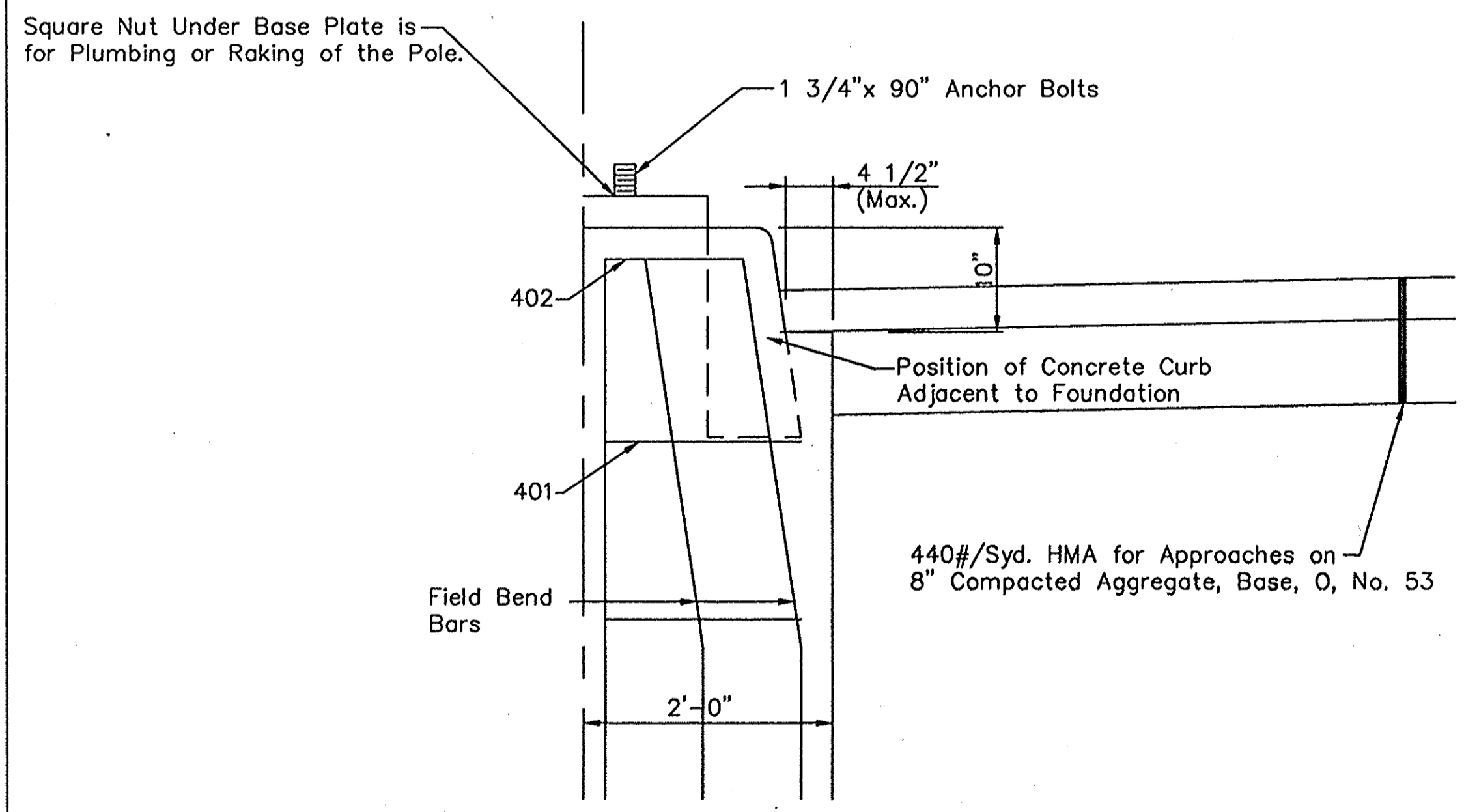
SCALE: 1"=20' DRAWN BY M. J. Gost DATE Mar. 1991



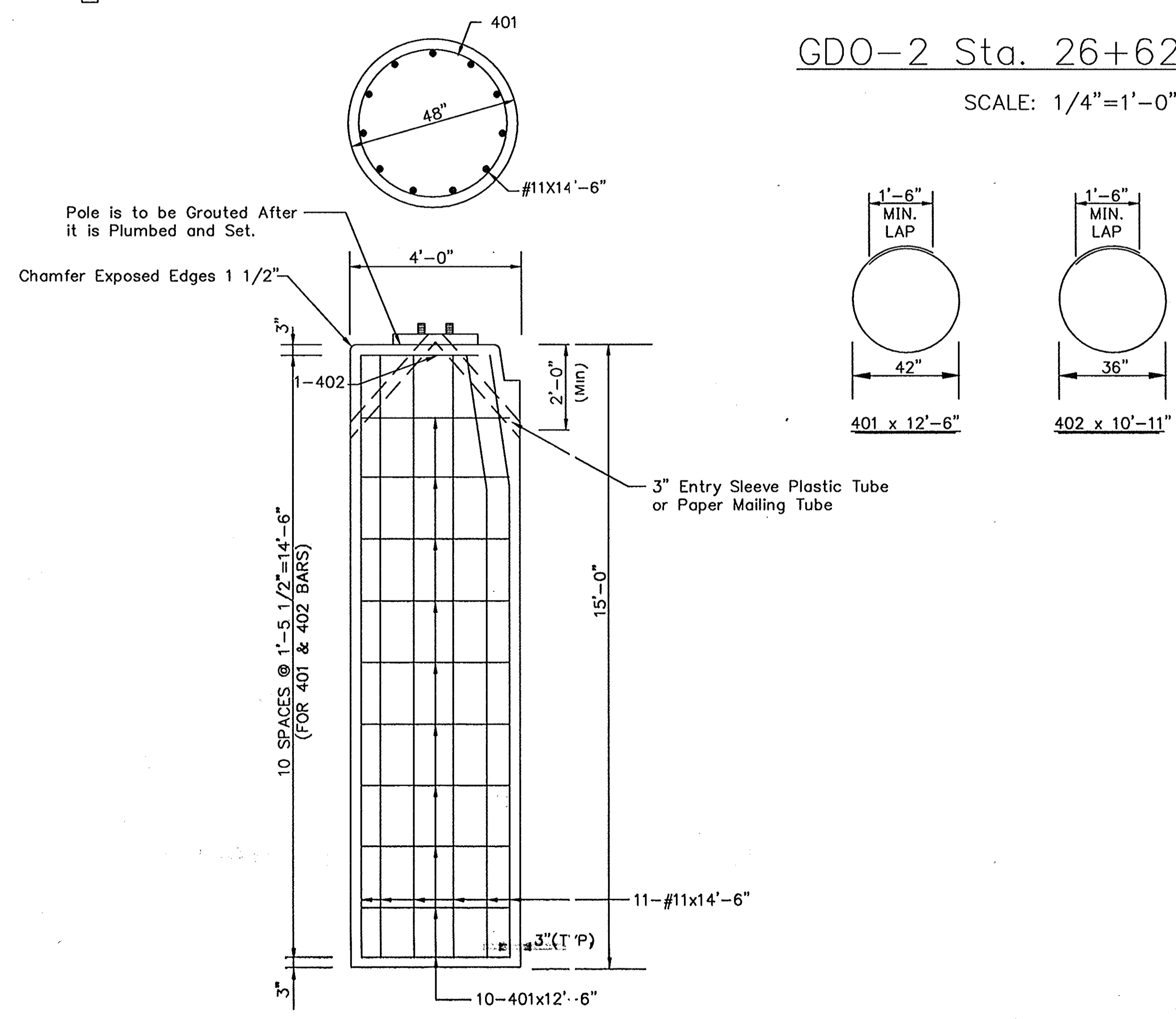
GDO-1 Sta. 21+95 "B" Rt.  
SCALE: 1/4"=1'-0"



GDO-2 Sta. 26+62 "B" Rt.  
SCALE: 1/4"=1'-0"



DETAIL OF FOUNDATION AT CONCRETE CURB  
SCALE: 1"=1'-0"



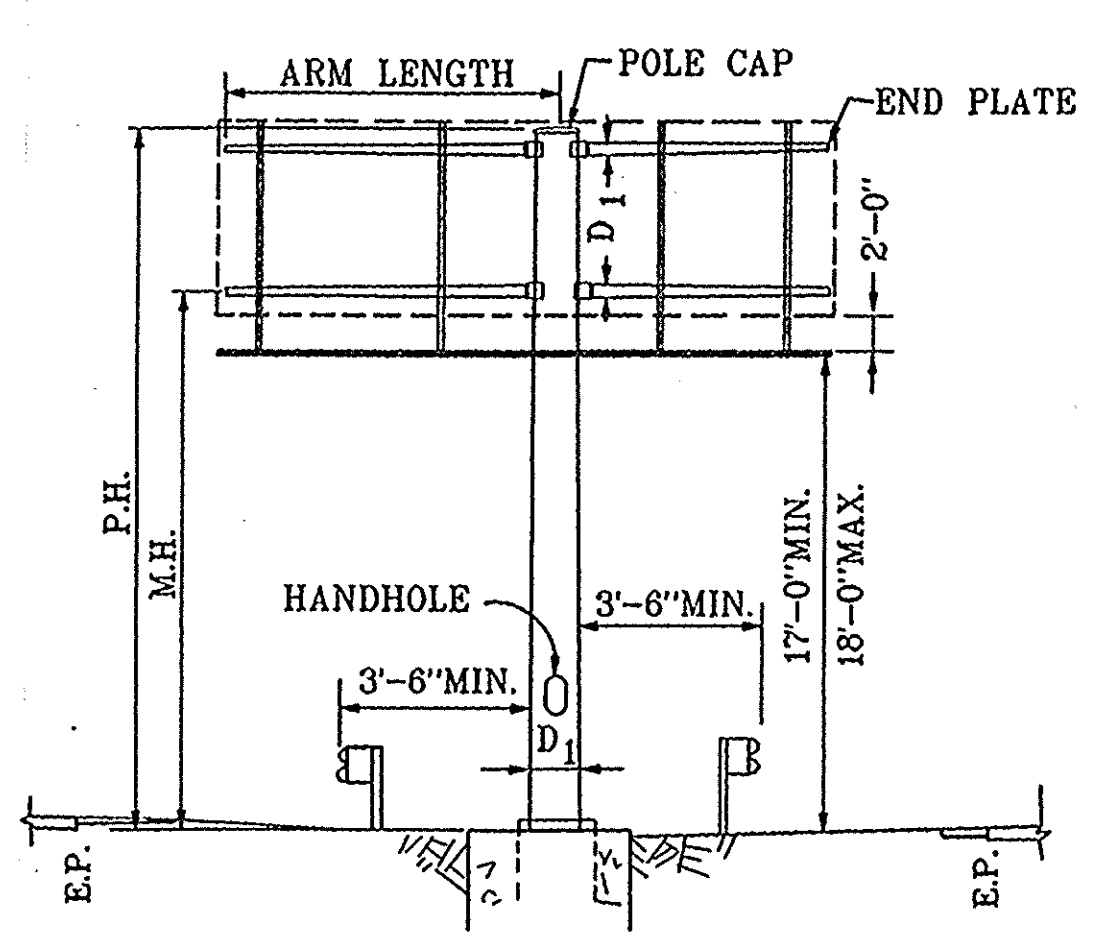
OVERHEAD SIGN FOUNDATION-II  
SCALE: 1/2"=1'-0"

- NOTES:
- BILL OF MATERIALS IS FOR ONE FOOTING.
  - REINFORCING STEEL TO CONFORM TO ASTM A615, GRADE 60.
  - CONCRETE IN FOOTING TO BE  $f'_c=4000$ PSI.

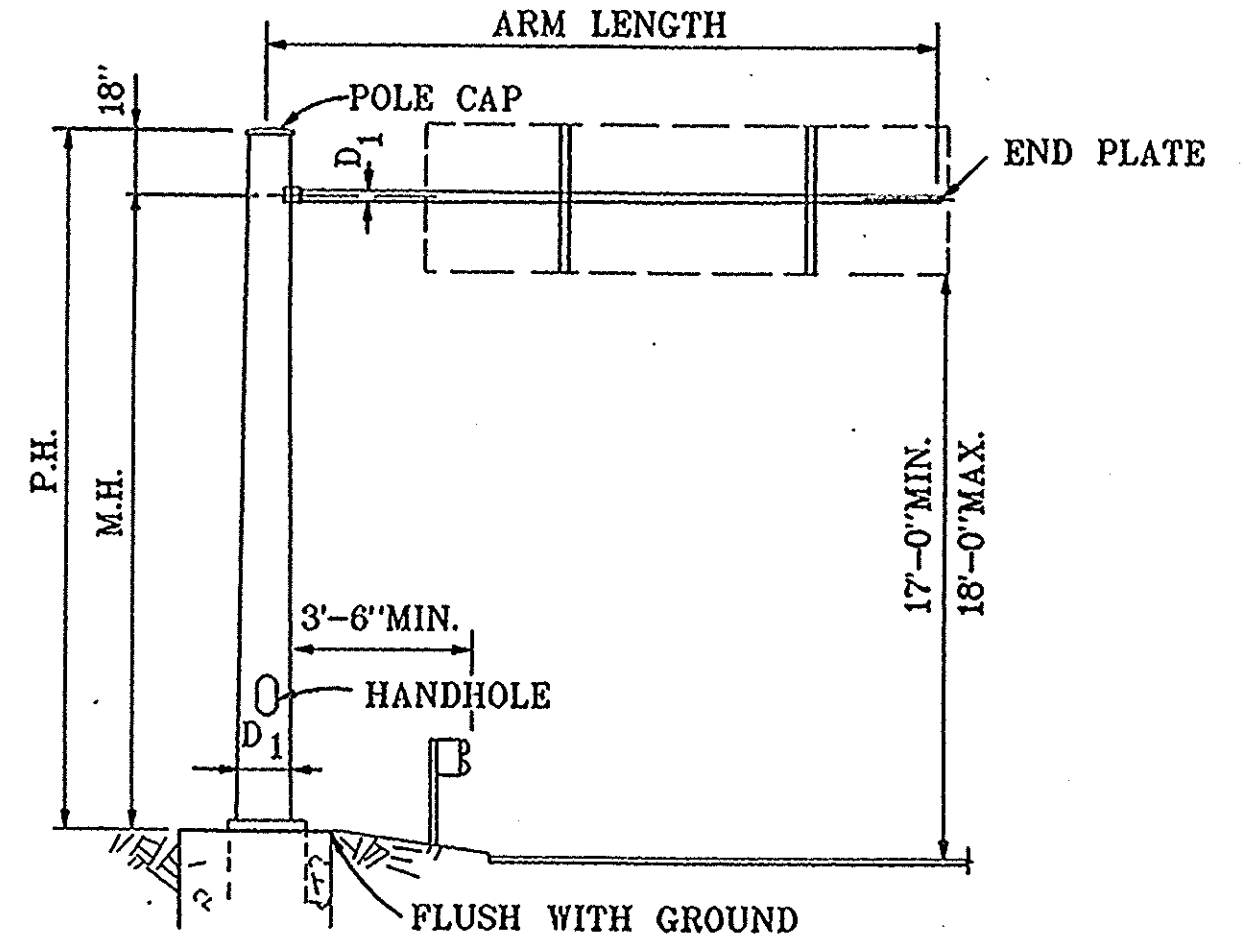
BILL OF MATERIALS			
SIZE & MK	# OF BARS	LENGTH	WEIGHT
#11	11	14'-6"	
TOTAL NO. 8			847 lbs.
#402	1	10'-11"	
#401	10	12'-6"	
TOTAL NO. 4			91 lbs.
TOTAL REINFORCING STEEL			938 lbs.
SIGN FOUNDATION, CONCRETE			6.98 CYS.

SIGNING  
DETAILS  
SCALE: AS SHOWN

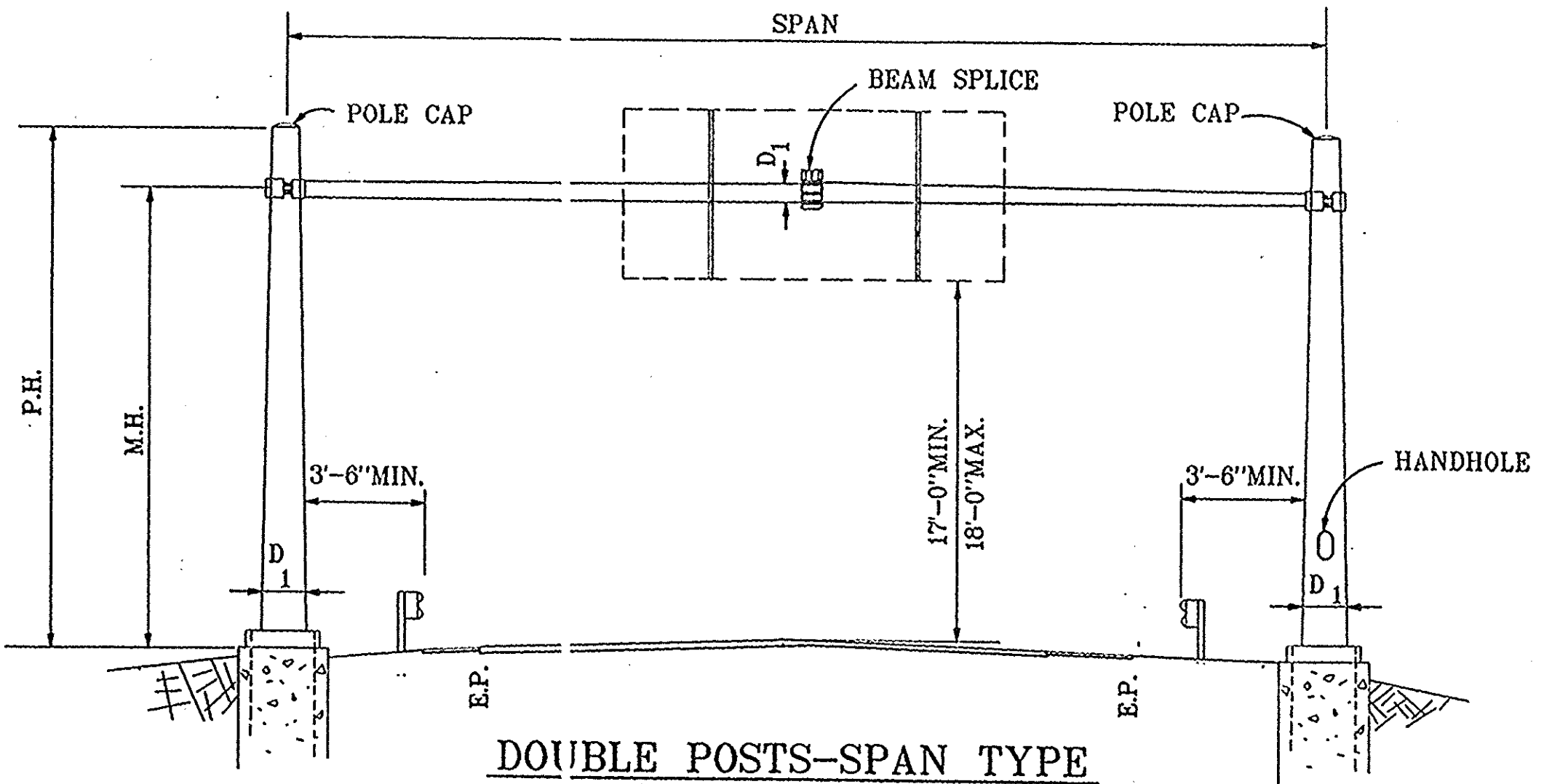




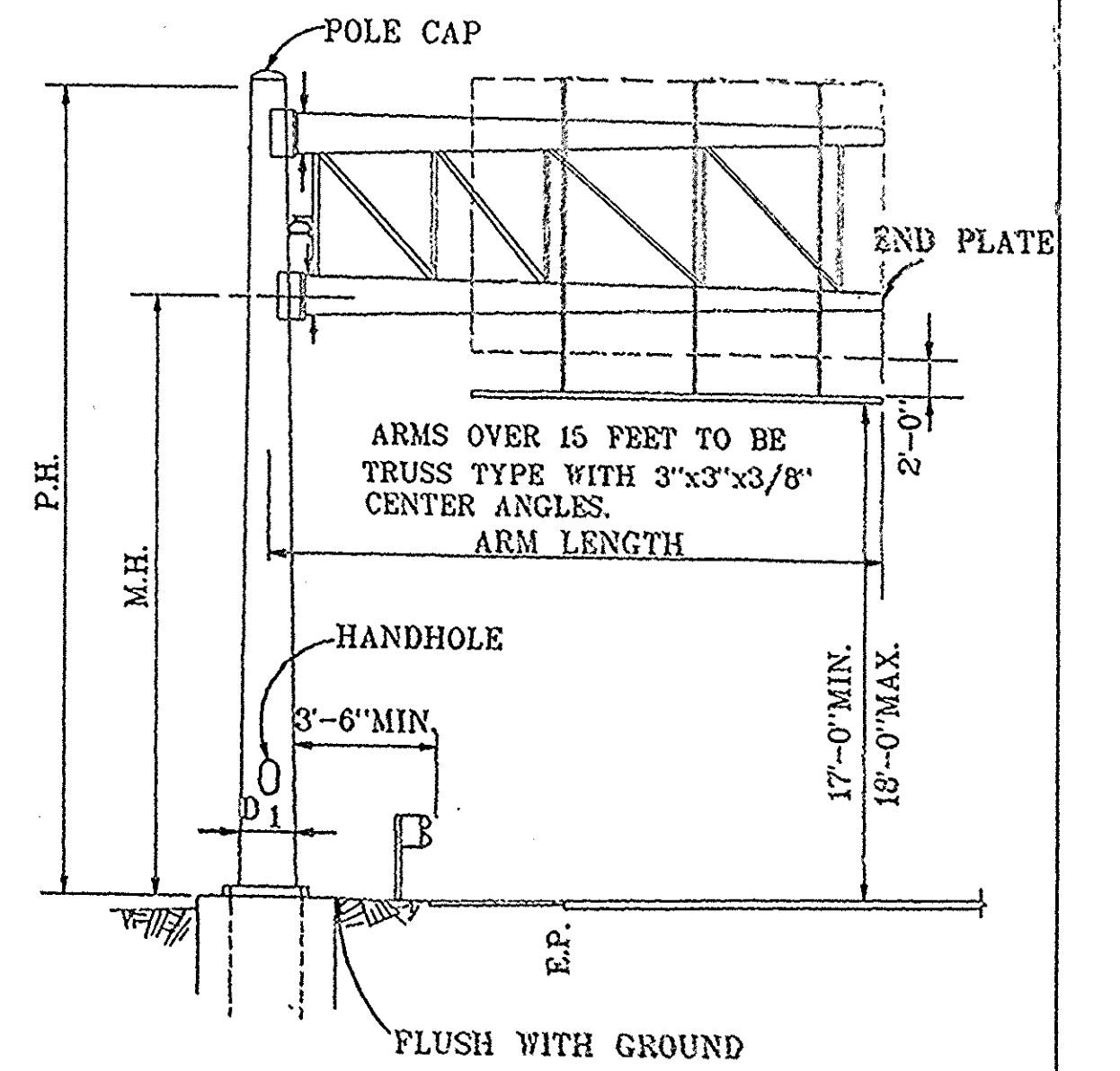
**SINGLE POST - TWIN CANTILEVER  
(DOUBLE MASTARM)**



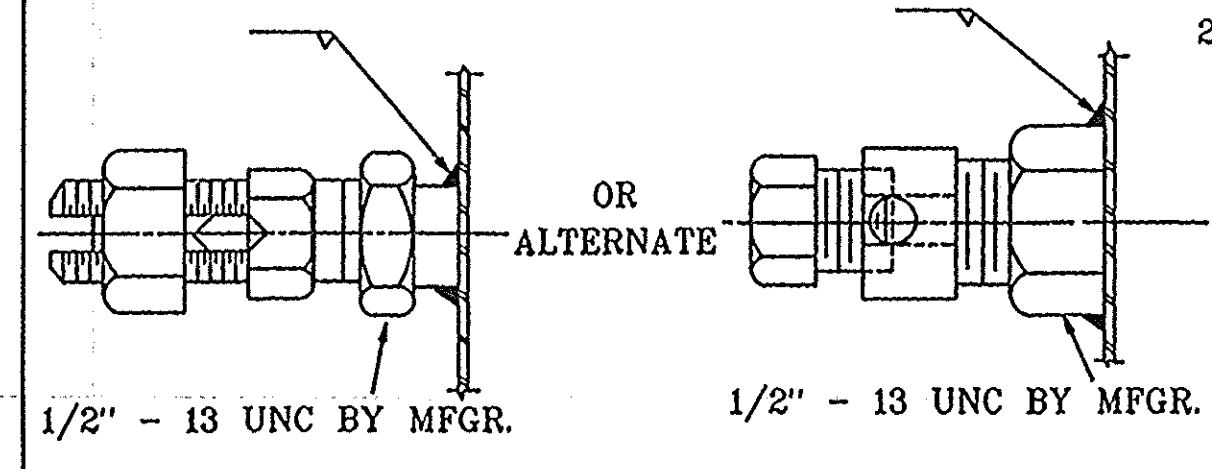
**SINGLE POST CANTILEVER  
(SINGLE MASTARM)**



**DOUBLE POSTS-SPAN TYPE  
(SINGLE BEAM)**

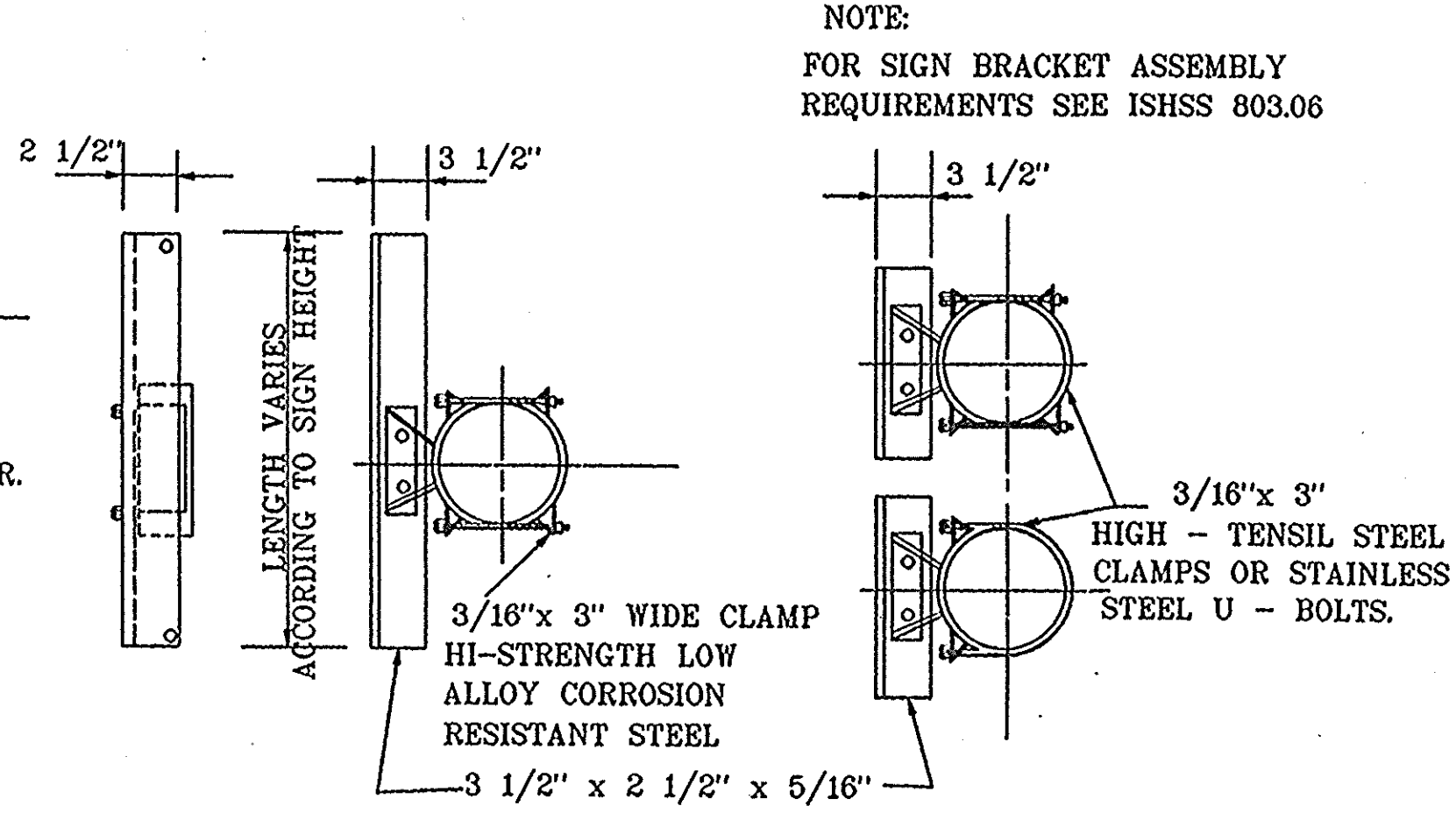


**SINGLE POST CANTILEVER  
(DOUBLE MASTARM)**



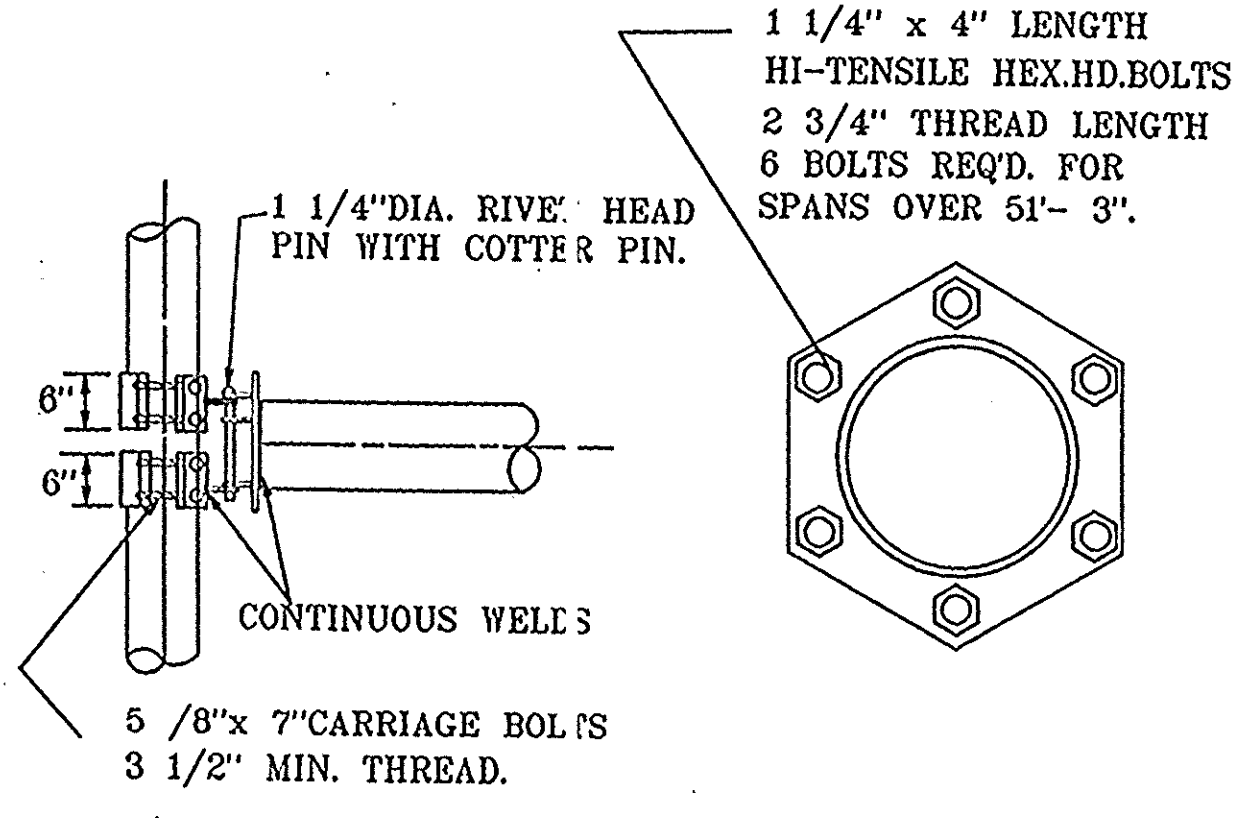
**GROUNDING CONNECTION**

THE GROUNDING CONNECTION SHALL BE LOCATED 12" FROM THE BOTTOM OF THE SUPPORT AND EASILY ACCESSIBLE FROM THE STRUCTURE MANHOLE. OXIDATION INHIBITOR SHALL BE LIBERALLY APPLIED TO ALL SURFACES THAT MATE WITH A DISSIMILAR MATERIAL.



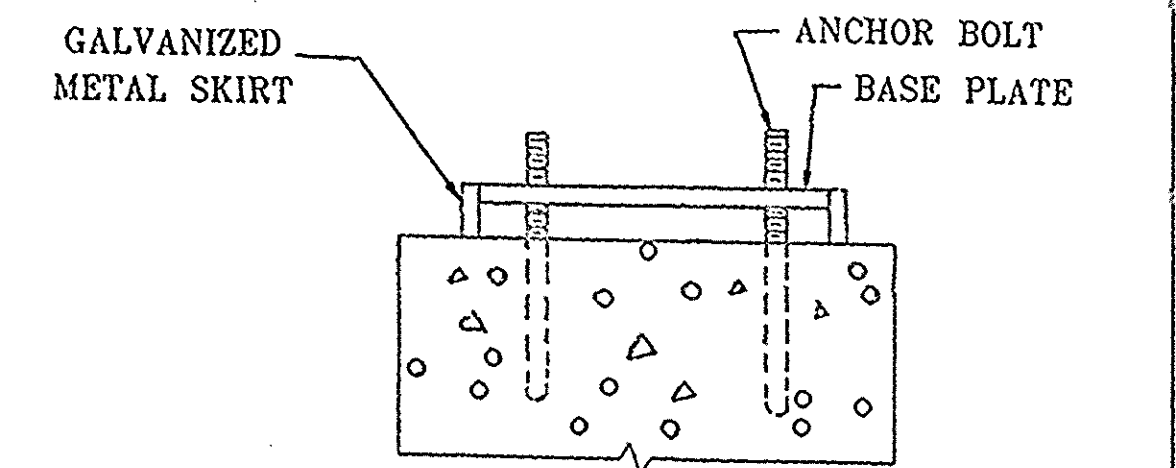
**SINGLE MASTARM DOUBLE MASTARM  
SIGN BRACKET ASSEMBLY**

NOTE:  
FOR SIGN BRACKET ASSEMBLY  
REQUIREMENTS SEE ISHS 803.06

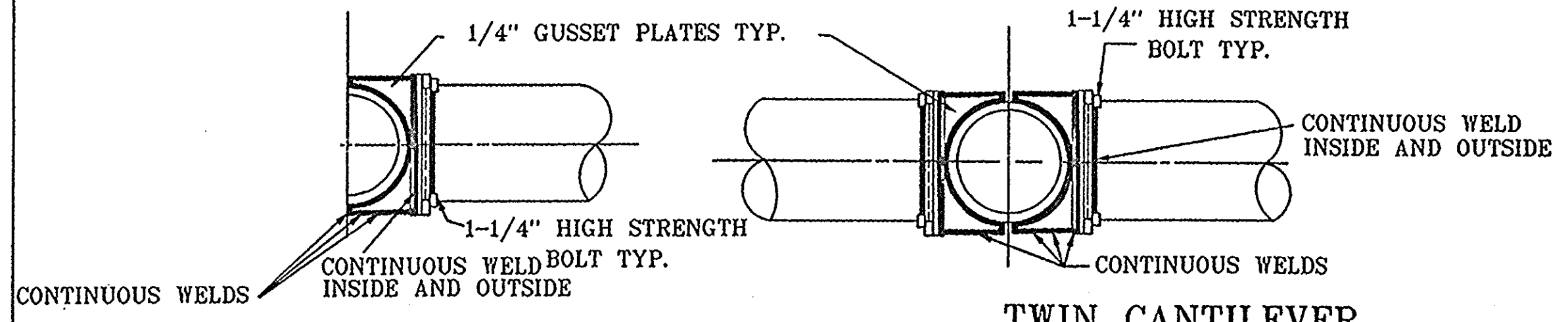


**BEAM SPLICE**

**DOUBLE POSTS - SPAN ATTACHMENT**

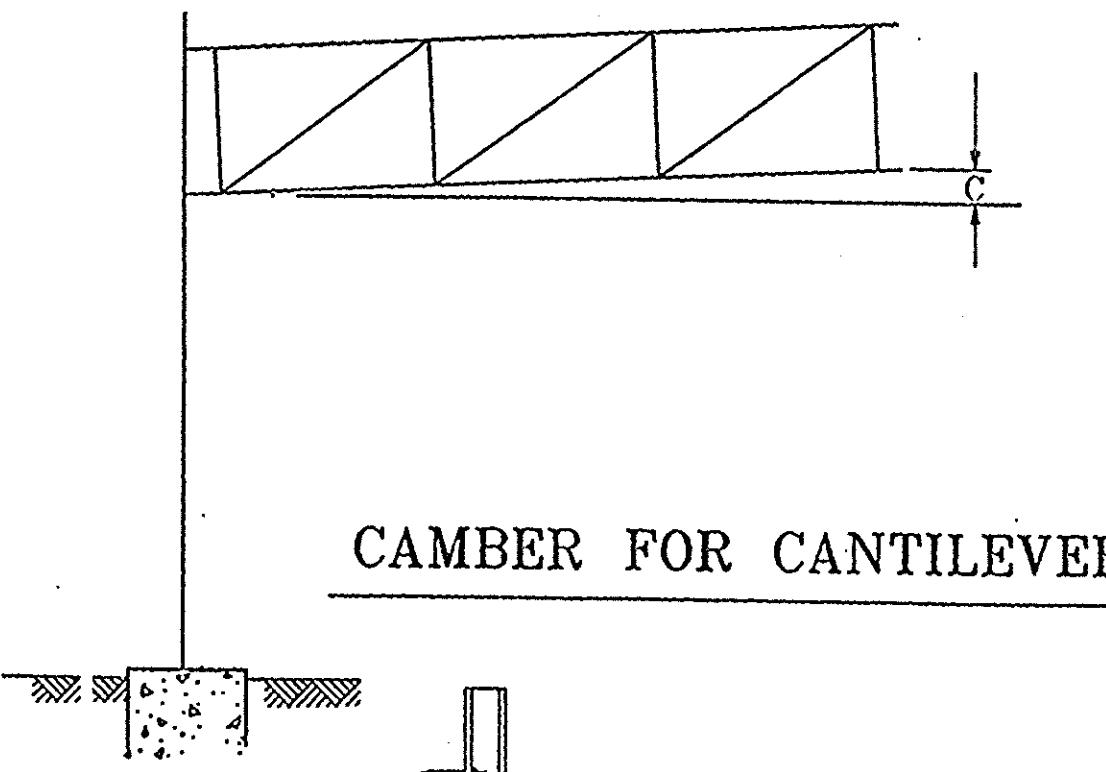


**GALVANIZED METAL COVER**

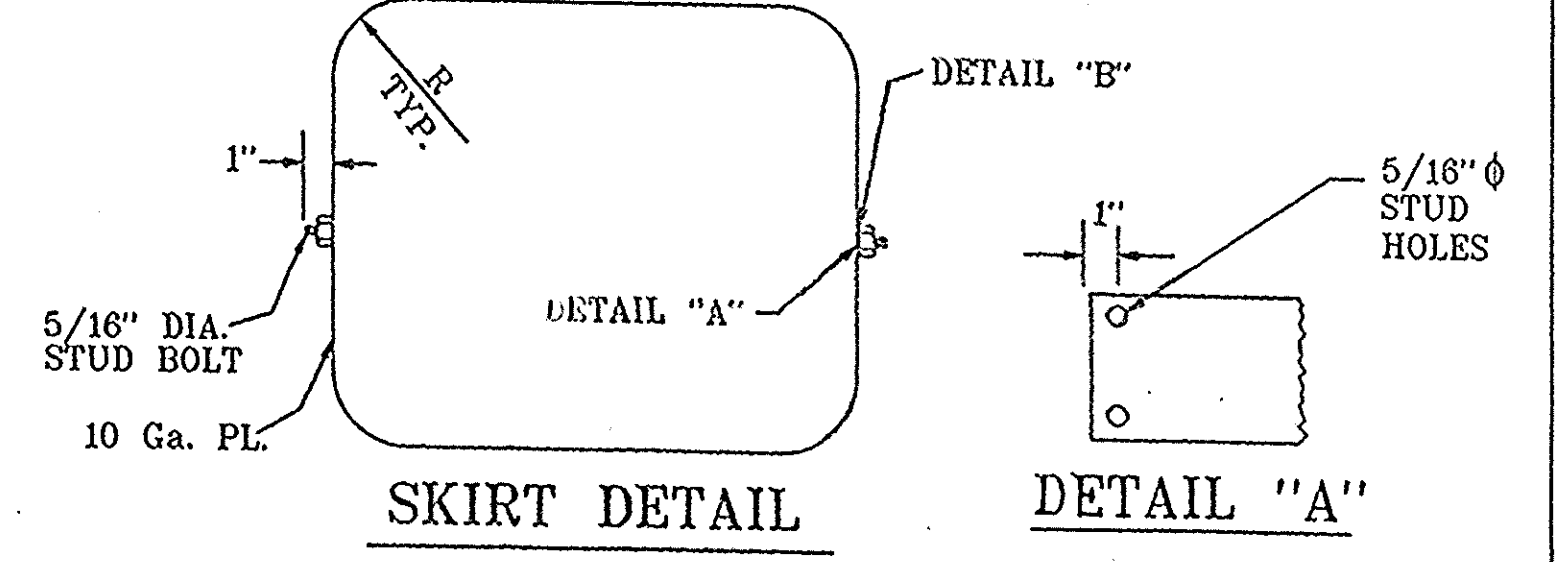


**CANTILEVER TWIN CANTILEVER  
ARM ATTACHMENT**

NOTE:  
THE STRUCTURE DESIGN IS BASED ON  
OCTAGONAL TUBULAR SHAPE.



**CAMBER FOR CANTILEVER**



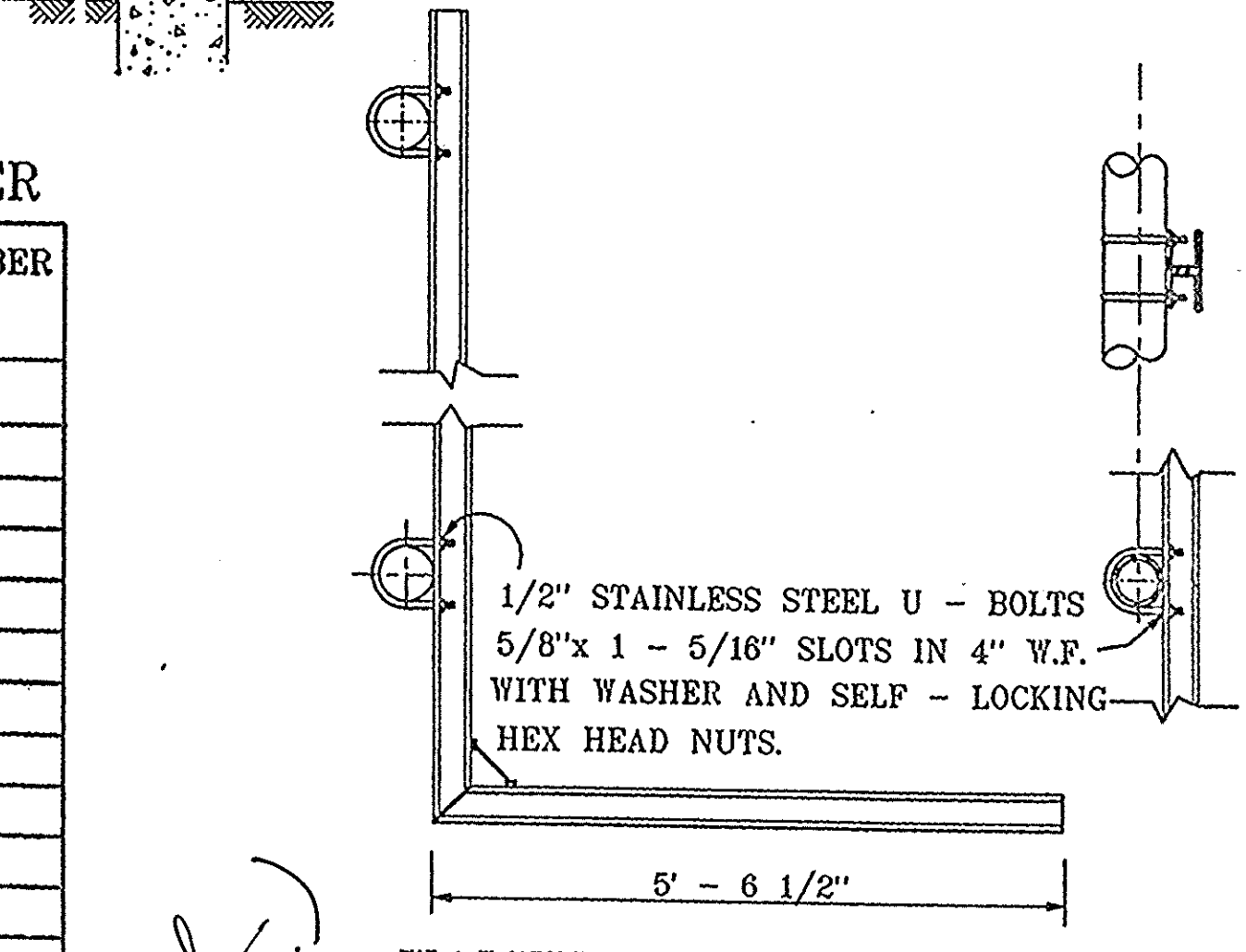
**SKIRT DETAIL**

**DETAIL "A"**

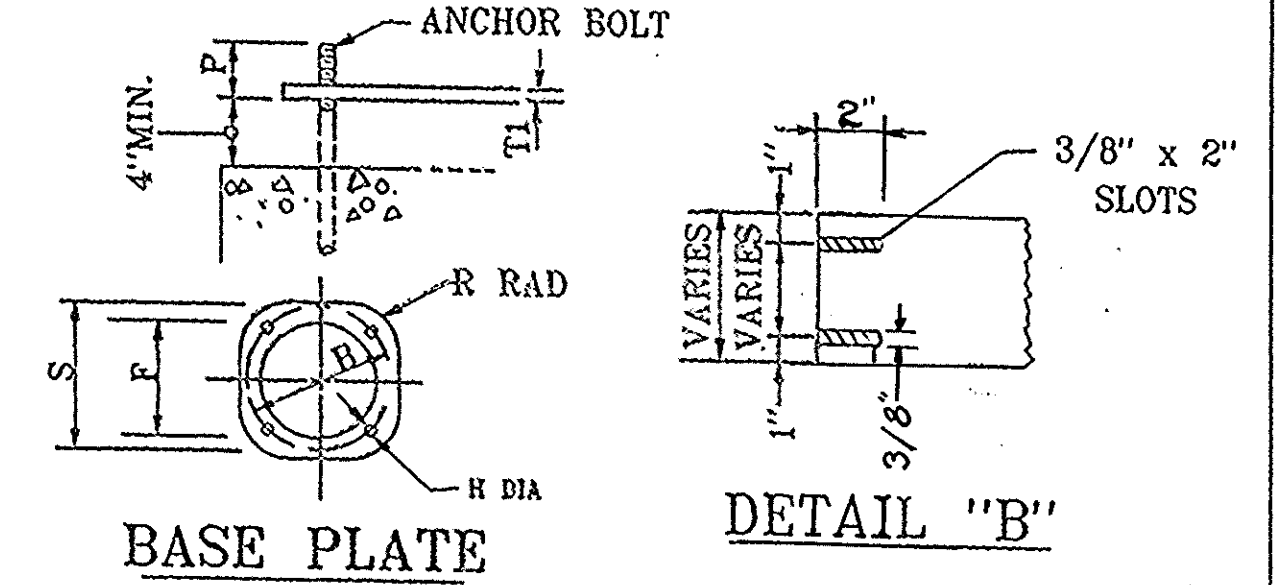
NOTE:  
ARM AND UPRIGHT SHALL BE TAPERED 0.14 INCH PER LINEAR FOOT, MEASURED AS CHANGE IN DIAMETER

STRUCTURE NUMBER	SIGN AREA (Sq. Ft.)	ARM OR BEAM		UPRIGHT		BASE DIMENSION							ANCHOR BOLT DIA. & LENGTH	SPAN OR ARM LENGTH	NO LOAD CAMBER (DEAD LOAD) C		
		D <sub>1</sub>	* THICKNESS	D <sub>1</sub>	THICKNESS	M.H.	P.H.	B	F	H	P	R				S	T <sub>1</sub>
G00-1	12.0	10	7 Ga.	13	3 Ga.	19.5	21.0	18"	12 3/4"	2 1/8"	3 3/4"	4"	18.5"	2"	1 3/4" x 90"	37'-0"	3.450"
G00-2	12.0	10	7 Ga.	13	3 Ga.	19.5	21.0	18"	12 3/4"	2 1/8"	3 3/4"	4"	18.5"	2"	1 3/4" x 90"	38'-0"	3.450"

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



**WALKWAY SUPPORT BRACKET**



**BASE PLATE**

**DETAIL "B"**

INDIANA DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGN DETAIL**

**SHEET 2**

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACT NO. R-22731 STRUCTURE \_\_\_\_\_

DES. NO. 9005590 PROJECT NO. STP-X263(1) YEAR 2000 SHEET 10 TOTAL 34

*(Handwritten signature and date)*



# SHEET SIGN & POST SUMMARY

## SIGN

## POST

PLAN SHEET NO. / LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE IN. X IN.	ENCLOSED LENS WITH LEGEND			ENCAPSULATED LENS WITH LEGEND			U-CHANNEL				SQUARE							
				METAL THICKNESS			METAL THICKNESS			POST LENGTH		POST TYPE		2" X 2" - 12 GA.			2 1/4" X 2 1/4" - 12 GA.				
				0.080"	0.100"	0.125"	0.080"	0.100"	0.125"	1	2	TYPE "A"	TYPE "B"	REINFORCED			REINFORCED			UNREINFORCED	
				SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	FT.	FT.	FT.	FT.	POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)	
														1	2	TOTAL	1	2	TOTAL	1	TOTAL
GDO-1	R3-5-A(L)		36 x 48					12.0													
GDO-2	R3-5-A(L)		36 x 48					12.0													
Signal Span	Tipton St.		15 x 56																		
	Tipton St.		15 x 56																		
	O'Brien St.		15 x 60																		
	O'Brien St.		15 x 60																		
Signal Poles	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
	Push to Walk		9 x 12																		
TOTAL							6.0	24.0	24.16												

PLOT DATE & TIME: JAN 0. 0000 - 00:00:00

CHECKED: POC B. 09.    DESIGNED: POC B. 09.  
 DRAWN: J.M.K. 8/99      REVISION: POC B. 09.  
 REVIEW:

MILE POST MARKER TABLE

M.P. NO.	LOCATION	SIGN CODE	SIZE	POST LENGTH	REMARKS
-	-	-	-	-	-

DESIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

INDIANA DEPARTMENT OF TRANSPORTATION  
DIVISION OF DESIGN

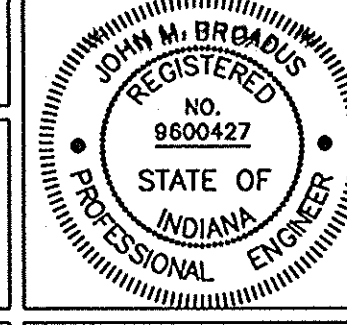
ED LEWIS JR.  
DESIGN ENGINEER

DATE: \_\_\_\_\_

**PROJECT NAME**  
SIGN & POST SUMMARY TABLE

**CONTRACT NO.**  
9005590

**SCALE:**  
YEAR SHEET TOTAL  
2000 17 34



# MISCELLANEOUS TABLES

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STP-X263(1)	2000	18	34

## TEMPORARY EROSION CONTROL

### TEMPORARY EROSION CONTROL DROP INLET PROTECTION

STATION	STR. NO.	EACH
6+22 "A" Rt.	28	1
19+55 "B" Lt.	11	1
TOTAL		2

### TEMPORARY EROSION CONTROL CURB INLET PROTECTION

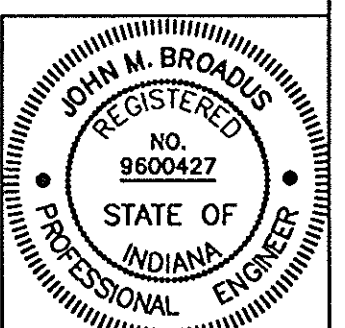
STATION	STR. NO.	EACH
4+95 "A" Rt.	26	1
5+02 "A" Rt.	27	2
6+22 "A" Lt.	29	2
6+22 "A" Rt.	30	2
7+00 "A" Lt.	32	2
8+43 "A" Lt.	33	1
20+09 "B" Lt.	13	1
23+72 "B" Rt.	14	2
23+75 "B" Lt.	15	1
29+15 "B" Lt.	18	2
29+21 "B" Rt.	20	1
29+64 "B" Rt.	23	1
29+66 "B" Lt.	24	1
TOTAL		19

## MONUMENT TABLE

STATION	TYPE
3+50 "A"	B
8+50 "A"	B
24+24.81 "B"	B
TOTAL	3 Ea.

DESIGNED: ECC 5/98 CHECKED: ECC 8/98  
 DRAWN: MK 8/98 CHECKED: ECC 8/98  
 REVISIONS:

PLOT DATE & TIME: SEP 20, 1999 - 12:51:14 - Plotted from: J. KERU



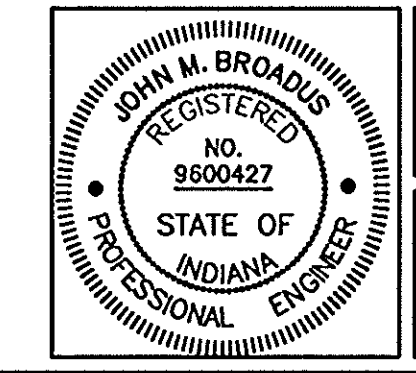




**STRUCTURE DATA**

STRUCTURE NUMBER	LOCATION			SIZE in	TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	COVER ft	FLOW LINE			SERVICE LIFE YR.	SITE DESIGNATION	P.H.	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL cys	REVEITEMENT RIPRAP tons	CONCRETE CLASS A FOR STRUCTURES cys	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS							
	STATION	LEFT	RIGHT							CROSS	UP STREAM ELEV.	DOWN STREAM ELEV.									TYPE	SLOPE	EA.	SLOPE	EA.									
11	LINE "B" 19+55					Existing Inlet																									Casting Furnished and Adjusted to Grade. Type 13 Req'd. Install during M.O.T. Phase II.			
12	19+88					Existing Manhole																									No Change Req'd.			
13	20+09				12	Inlet Type "C-15"	4		1	599.57	599.57	50	Non A	7	1	1																Inlet to be 2.1' Deep. Connect to Existing 12" Pipe. Remove Existing Inlet.		
14	23+72				12	Inlet Type "C-15"	62		1	598.53	598.53	50	Non A	7	1	13																27		
15	23+75				12	Inlet Type "M-10"	66		2	598.67	597.80	50	Non A	7	1	21																29		
16	24+80				24	Manhole Type "C-4"	288		2	597.75	597.55	50	Non A	7	1	145															27,30,35	Remove Existing Manhole and Pipe		
17	NOT USED																																	
18	29+15				12	Inlet Type "B-15"	10		1	597.78	597.70	50	Non A	7	1	2																21		
19	29+21					Existing Catch Basin																										Casting Furnished and Adjusted to Grade. Type 13 Req'd.		
20	29+21					Existing Inlet																										Casting Furnished and Adjusted to Grade. Type 13 Req'd.		
21	29+25					Existing Manhole																										1 Lft. Reconstructed Manhole. Adjust Casting to Grade.		
22	29+62					Existing Inlet																										No Change Req'd.		
23	29+64					Existing Inlet																										No Change Req'd.		
24	29+66					Existing Inlet																											No Change Req'd.	
25	29+72					Existing Manhole																										No Change Req'd.		
26	LINE "A" 4+95				12	Inlet Type "A-8"	6		2	598.48	598.15	50	Non A	7	1	2																27		
27	5+02				15	Inlet Type "C-15"	86		1.5	598.15	597.15	50	Non A	7	1	26																	14,26	
28	6+22				12	Inlet Type "R-15"	10	-	1	598.92	598.50	50	Non A	7	1	2																29		
29	6+22				15	Inlet Type "C-15"	42		1.5	598.50	597.80	50	Non A	7	1	13																	15,28,30	
30	6+22				24	Inlet Type "C-4"	36		2.5	597.60	597.55	50	Non A	7	1	22																	16,29,31	
31	6+95				15	Manhole Type "C-4"	84		2	598.44	598.19	50	Non A	7	1	31																	30,32,33	
32	7+00				12	Inlet Type "B-15"	12		1.5	598.73	598.44	50	Non A	7	1	3																	31	
33	8+43				12	Inlet Type "M-10"	148		1.5	600.94	598.44	50	Non A	7	1	38																	31	
34	27+29 "B"				12	Existing Inlet	4		0.5	601.82	601.79	50	Non A	7	1	1																	Also Connect to Existing 12" Pipe. Remove Existing Inlet, Downstream Pipe and 4' of of Upstream Pipe. One 45' Elbow Req'd. No Change Req'd.	
35	27+66 "B"				24	Manhole Type "C-4"	156		3	596.95	596.60	50	Non A	7	1	108																	16, 21	Also Connect to Existing Pipe(Str. No. 34)
36	5+05 "A"				12	Manhole Type "C-4"	30		1	598.07	597.98	50	Non A	7	1	6																	Manhole & Concrete Collar to be poured in place around existing sanitary.	

PLOT DATE & TIME: SEP 20, 1999 - 12:47:15 - Plotted from: J. KERN



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PCG 7/99	DRAWN: MJK 7/99	
CHECKED: PCG 7/99	CHECKED: PCG 7/99	
	REVISD: MJK 8/99	

**INDIANA DEPARTMENT OF TRANSPORTATION**

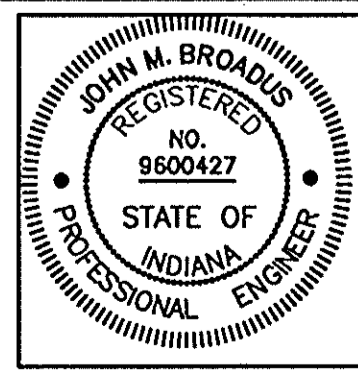
**STRUCTURE DATA**

HORIZONTAL SCALE	BRIDGE FILE NO.
VERTICAL SCALE	DESIGNATION NO.
	9005590
SURVEY BOOK NO.	SHEETS
	21 of 34
CONTRACT NO.	PROJECT NO.
R-24731	STP-X263(1)

PLOT DATE & TIME: SEP 20, 1999 - 12:46:34 - Plotted from: J. KERN

**STRUCTURE DATA**

STRUCTURE NUMBER	LOCATION			SIZE in	TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	COVER ft	FLOW LINE		SERVICE LIFE YR.	SITE DESIGNATION	P H	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL cys	REINFORCEMENT RIPRAP tons	CONCRETE, CLASS A, FOR STRUCTURES cys	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	RIGHT							UP STREAM ELEV.	DOWN STREAM ELEV.									TYPE	SLOPE	EA.	SLOPE	EA.		
501	LINE "A" 3+63	X				Existing Manhole																			Adjust Casting to Grade.	
502	3+86	X				Existing Manhole																			Adjust Casting to Grade.	
503	5+81	X				Existing Manhole																			1 Lft. Reconstructed Manhole. Adjust Casting to Grade.	
<i>Undistributed Quantities:</i>																										
	Pipe, Type 4, 4"						50																			
	Pipe, Type 4, 6"						50																			
	Pipe, Type 4, 8"						50																			
	Pipe, Type 4, 12"						50																			



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PCG 7/99	DRAWN: MJK 7/99	
CHECKED: PCG 7/99	CHECKED: PCG 8/99	
	REVISED: MJK 8/99	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**STRUCTURE DATA**

HORIZONTAL SCALE	BRIDGE FILE NO.
VERTICAL SCALE	DESIGNATION NO. 9005590
SURVEY BOOK NO.	SHEETS 22 of 34
CONTRACT NO. R-21731	PROJECT NO. STP-X263(1)

**STRUCTURE NUMBER**

PIPE GROUP	13	14	15	16	18	26	27	28	29	30	31	32	33	33	35	36	-	-	-	-	-	-
SMOOTH PIPE SIZE	12"	12"	12"	24"	12"	12"	15"	12"	15"	24"	15"	12"	12"	12"(4)	24"	12"	-	-	-	-	-	-
CORRUGATED PIPE SIZE																						
RCP/RCHP (S) CLASS	III	III	II	II	III	II	II	III	II	II	II	II	II	III	II	III						
D 0.01 RATING	1500	1500	1000	1000	1500	1000	1000	1500	1000	1000	1000	1000	1000	1500	1000	1500						
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			OK	OK		OK				OK	OK	OK	OK		OK							
CORRUGATED PE PIPE, TYPE S (S) *												OK	OK		OK							
RIBBED PE PIPE (S) *												OK			OK							
SMOOTH WALL PE PIPE (S) - 1/2 MAXIMUM DR																						
PROFILE WALL PVC PIPE (S)												OK			OK							
SMOOTH WALL PVC PIPE (S) *												OK			OK							
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			OK	OK		OK	OK		OK	OK	OK	OK	OK	OK	OK	OK						
FULLY BIT. PAVED & LINED (S)	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2	2 2/3 X 1/2
	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
ZINC COATED (C)																						
ZINC COATED W/ BPI (C)																						
ALUM. COATED TYPE 2 (C)																						
ALUM. COATED TYPE 2 W/ BPI (C)																						
POLYMER PRECOATED GALVANIZED (C)																						
POLYMER PRECOATED GALVANIZED W/ BPI (C)																						
FIBER BONDED BITUMINOUS COATED (C)																						
FIBER BONDED BITUMINOUS COATED W/ BPI (C)																						
CORRUGATED ALUM, ALLOY PIPE (C)																						
CORRUGATED ALUM, ALLOY PIPE W/ BPI (C)																						
STR. PLATE ALUMINUM ALLOY PIPE (C)																						
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																						
STR. PLATE STEEL PIPE (C)																						
STR. PLATE STEEL PIPE W/ CFP (C)																						

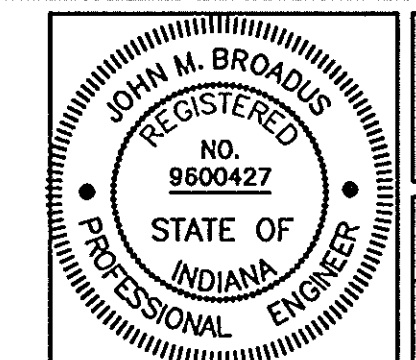
PLOT DATE & TIME: SEP 20, 1999 - 12:49:4 - Plotted from: J. KERN

**STRUCTURE NUMBER**

PIPE GROUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMOOTH PIPE SIZE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORRUGATED PIPE SIZE																						
RCP/RCHP (S) CLASS																						
D 0.01 RATING																						
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																						
CORRUGATED PE PIPE, TYPE S (S) *																						
RIBBED PE PIPE (S) *																						
SMOOTH WALL PE PIPE (S) - 1/2 MAXIMUM DR																						
PROFILE WALL PVC PIPE (S)																						
SMOOTH WALL PVC PIPE (S) *																						
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																						
FULLY BIT. PAVED & LINED (S)																						
ZINC COATED (C)																						
ZINC COATED W/ BPI (C)																						
ALUM. COATED TYPE 2 (C)																						
ALUM. COATED TYPE 2 W/ BPI (C)																						
POLYMER PRECOATED GALVANIZED (C)																						
POLYMER PRECOATED GALVANIZED W/ BPI (C)																						
FIBER BONDED BITUMINOUS COATED (C)																						
FIBER BONDED BITUMINOUS COATED W/ BPI (C)																						
CORRUGATED ALUM, ALLOY PIPE (C)																						
CORRUGATED ALUM, ALLOY PIPE W/ BPI (C)																						
STR. PLATE ALUMINUM ALLOY PIPE (C)																						
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)																						
STR. PLATE STEEL PIPE (C)																						
STR. PLATE STEEL PIPE W/ CFP (C)																						

**LEGEND**

- RCP REINFORCED CONCRETE PIPE
- RCHP REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
- PE POLYETHYLENE
- DR DIMENSION RATIO
- PVC POLYVINYL CHLORIDE
- BIT BITUMINOUS
- CORR CORRUGATION
- BPI BITUMINOUS PAVED INVERT
- ALUM ALUMINUM
- STR STRUCTURAL
- CFP CONCRETE FIELD PAVING
- (S) SMOOTH PIPE MATERIAL
- (C) CORRUGATED PIPE MATERIAL
- OK ACCEPTABLE FOR USE
- (LS) LOCK SEAM PIPE REQUIRED
- \* REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER
- \*\* TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.



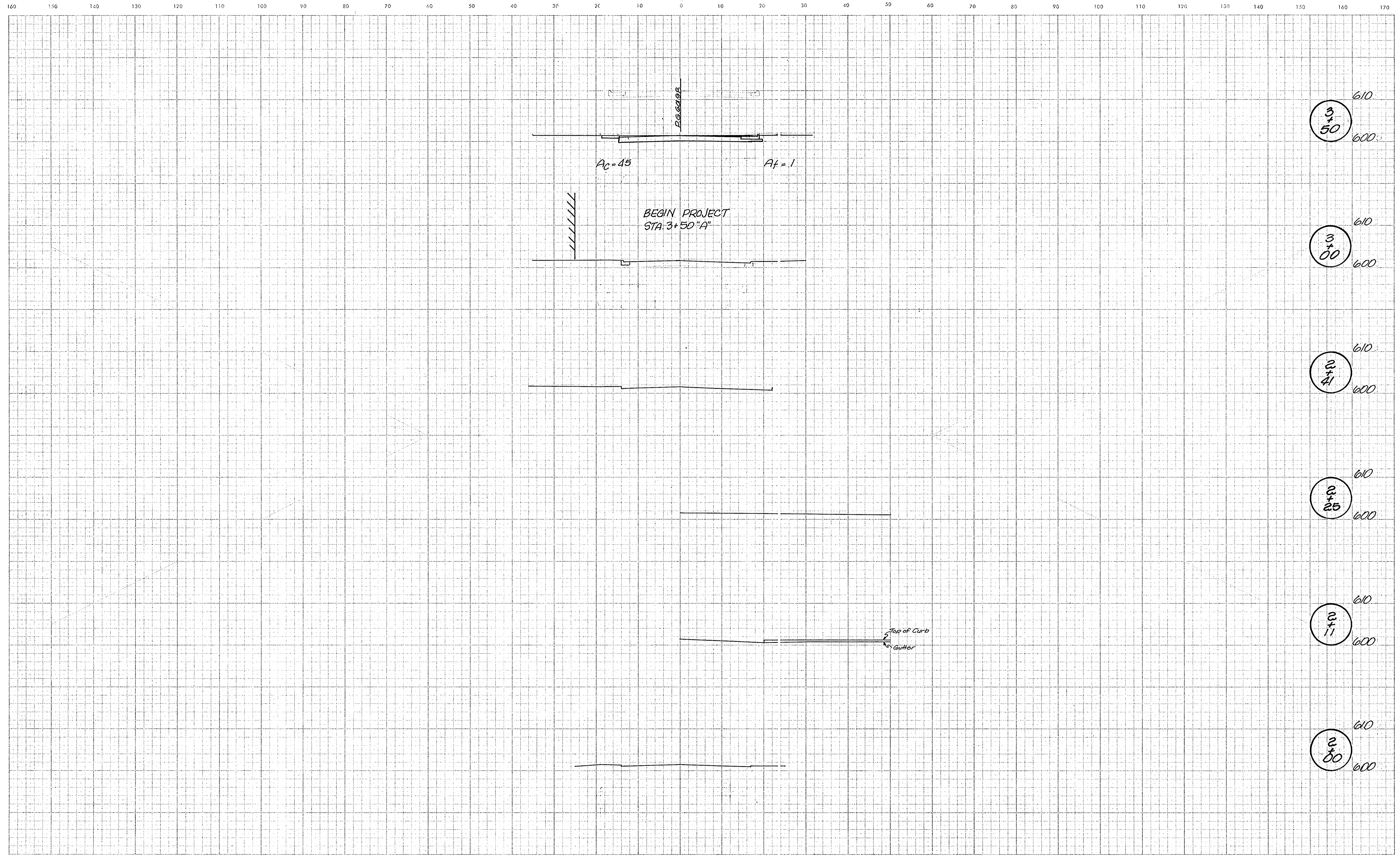
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PCG 8/99	DRAWN: MJK 8/99	
CHECKED: PCG 8/99	CHECKED: PCG 8/99	
	REVISED:	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PIPE MATERIAL SHEET**

HORIZONTAL SCALE	BRIDGE FILE NO.
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK NO.	SHEETS
	23 of 34
CONTRACT NO.	PROJECT NO.
12-24731	STP-X263(1)

CUT CROSS SECTIONS FILL  
Scale 1 inch = 10 feet



September, 1973

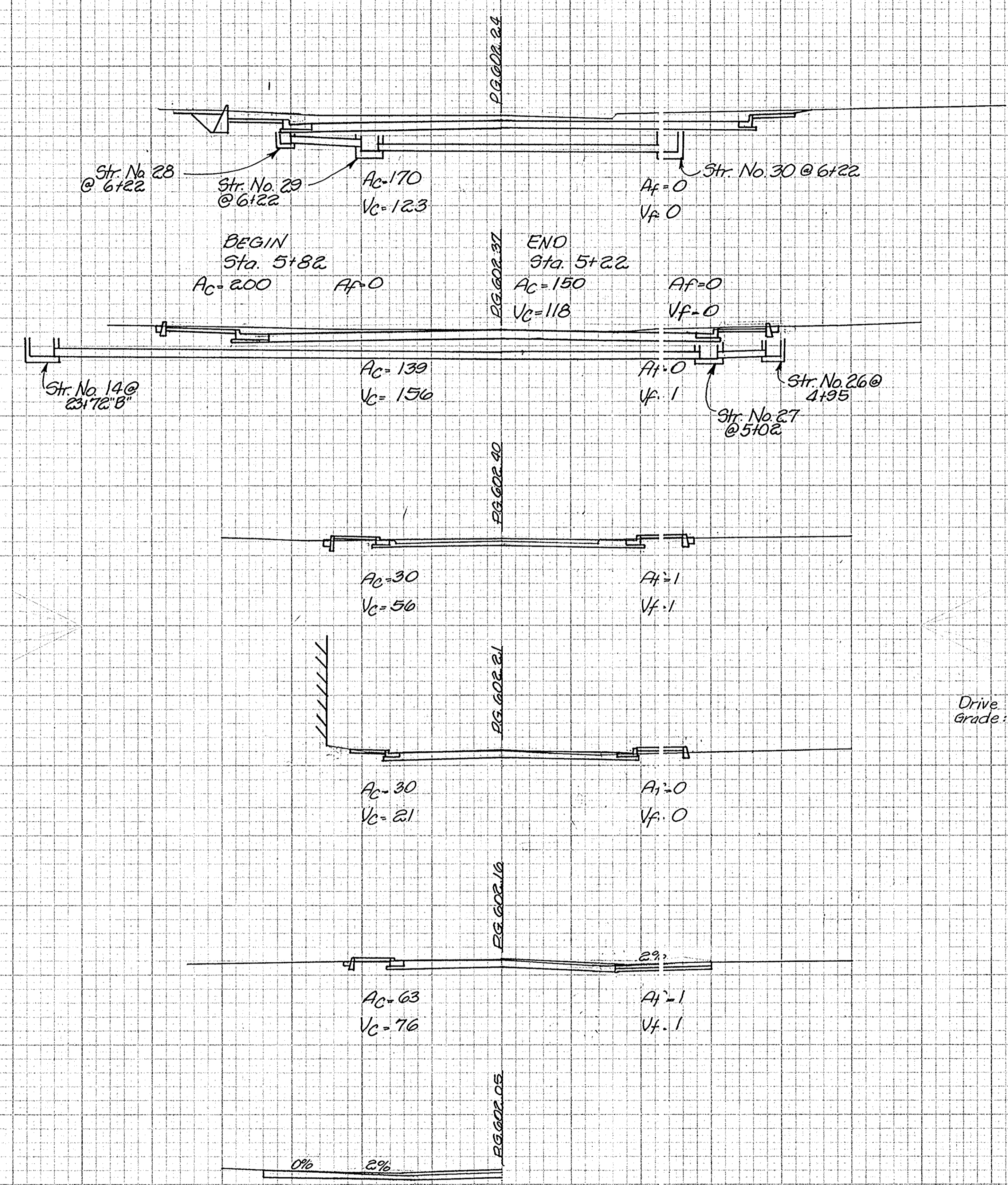
LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	Hea-MX-2471	2000
		SHEET NO.	TOTAL SHEETS
		24	34
O'Brien Street			LINE "A"

Contract No R-24731



CUT CROSS SECTIONS FILL  
Scale 1 inch = 10 feet

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170



6+00  
610  
600

5+00  
610  
600

4+50  
610  
600

4+00  
610  
600

3+88  
610  
600

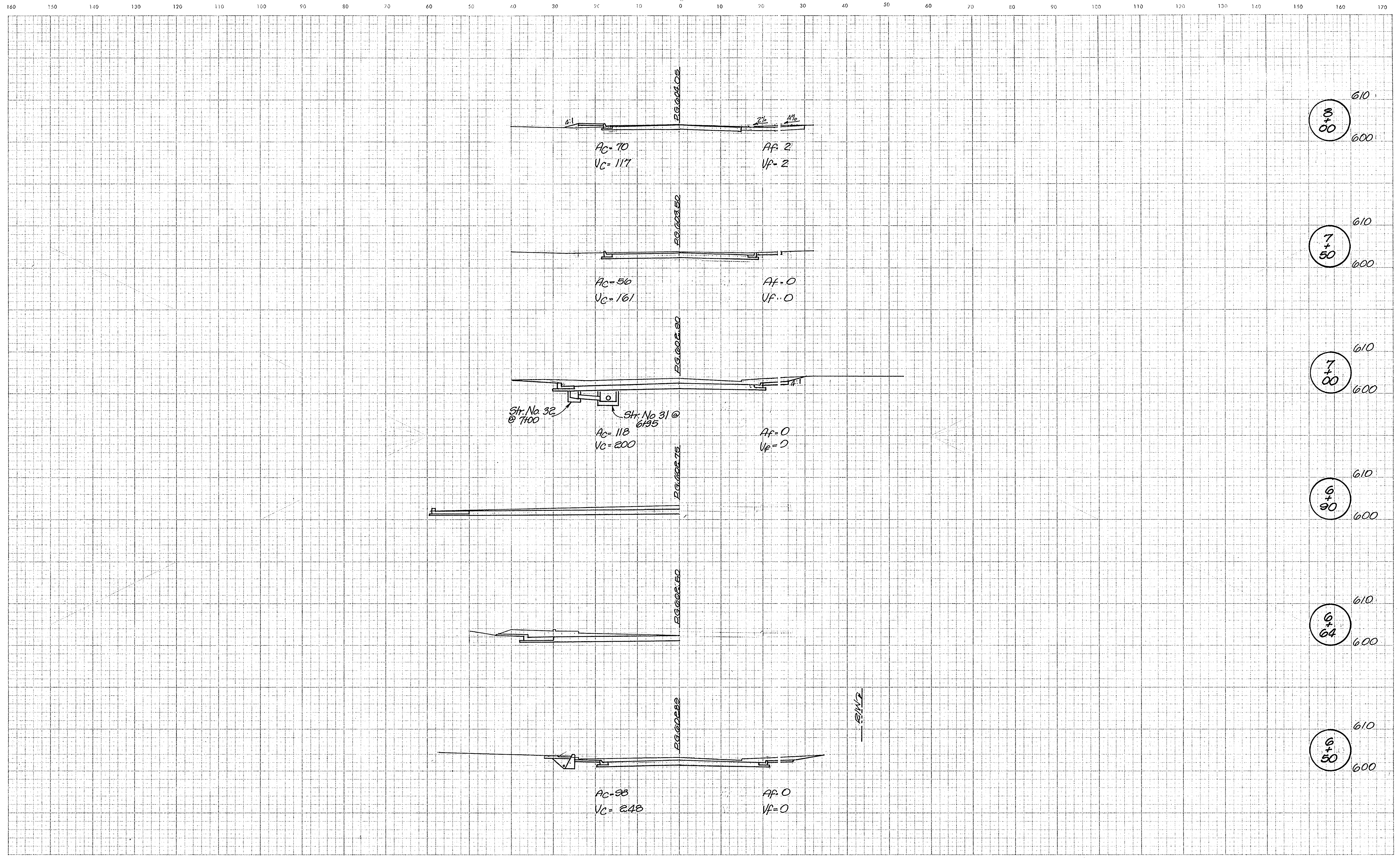
3+64  
610  
600

ALLEY RT.

ALLEY LT.

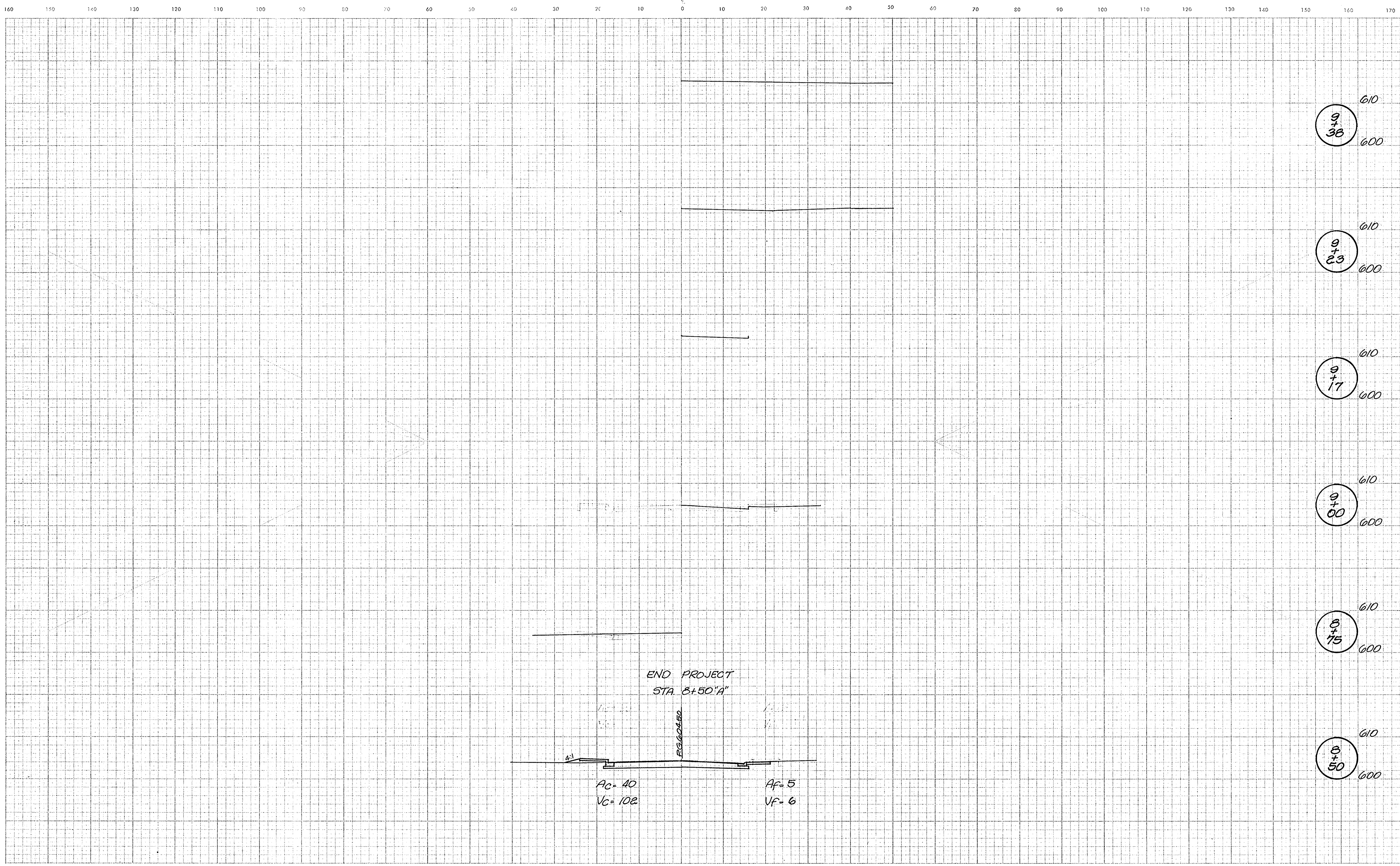
LEVEL BOOK NO.	FILE
FEDERAL ROAD REGION NO.	STATE
PROJECT NO.	FISCAL YEAR
SHEET NO.	TOTAL SHEETS
5	IND. 11/23/2000 25 34
O'Brien Street LINE "A"	

CUT CROSS SECTIONS FILL  
Scale: 1 inch = 10 feet



LEVEL BOOK NO.		FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HESM-R2631	2000	26	34
O'Brien Street					LINE "A"

CUT CROSS SECTIONS FILL  
Scale 1 inch = 10 feet



AC=40 Af=5  
VC=102 Vf=6

END PROJECT  
STA. 8+50.1A

EG 602450

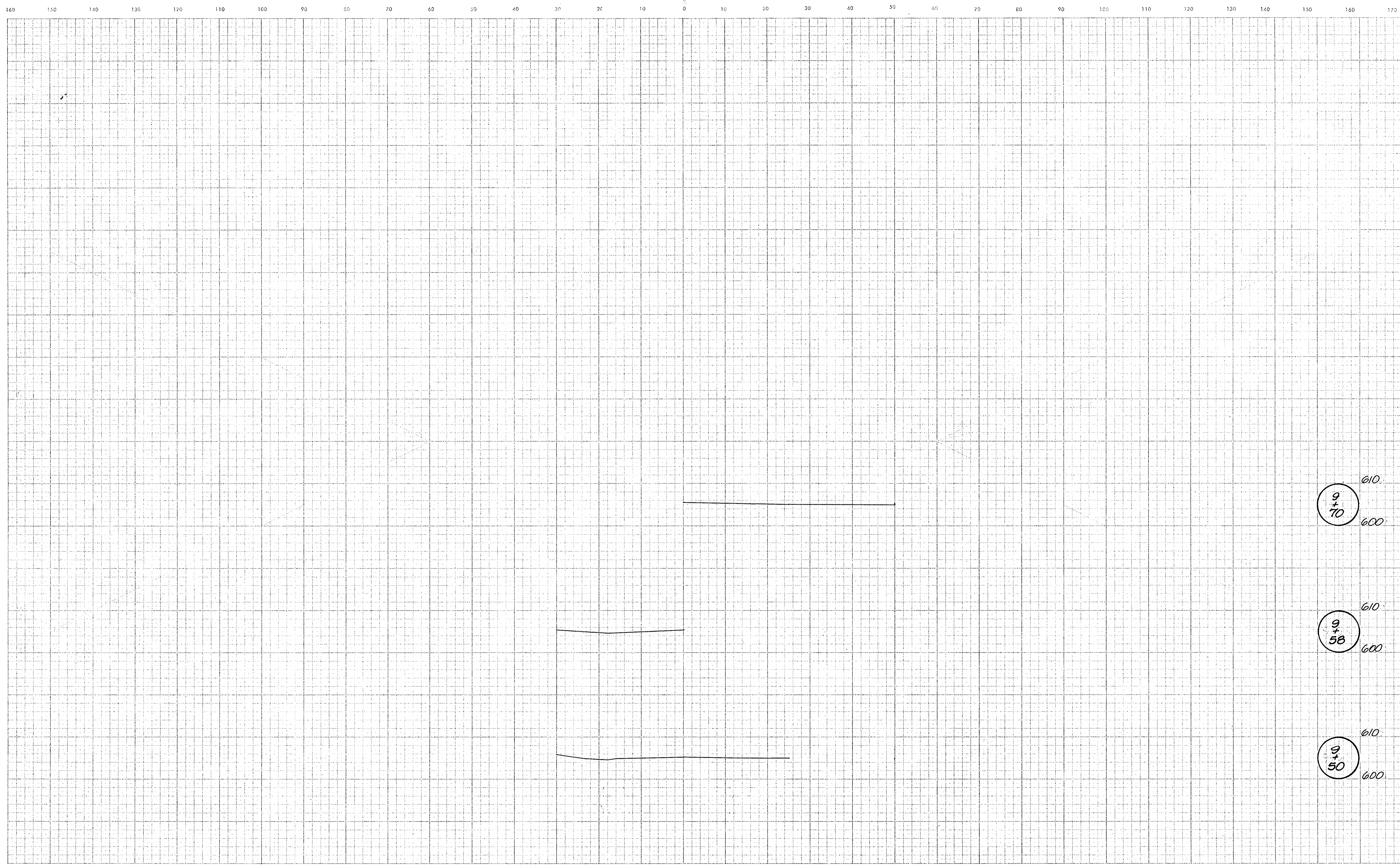
PLATE 3

September, 1973

LEVEL BOOK NO.		STATE		PROJECT NO.		FISCAL YEAR		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS				
5	IND.	145-MX-2300	2000	27	34				
O'Brien Street					LINE "A"				

Contract No. R-24731

CUT CROSS SECTIONS FILL  
 Scale 1 inch = 10 feet  
 C



610  
 9+70  
 600

610  
 9+58  
 600

610  
 9+50  
 600

PLATE 3

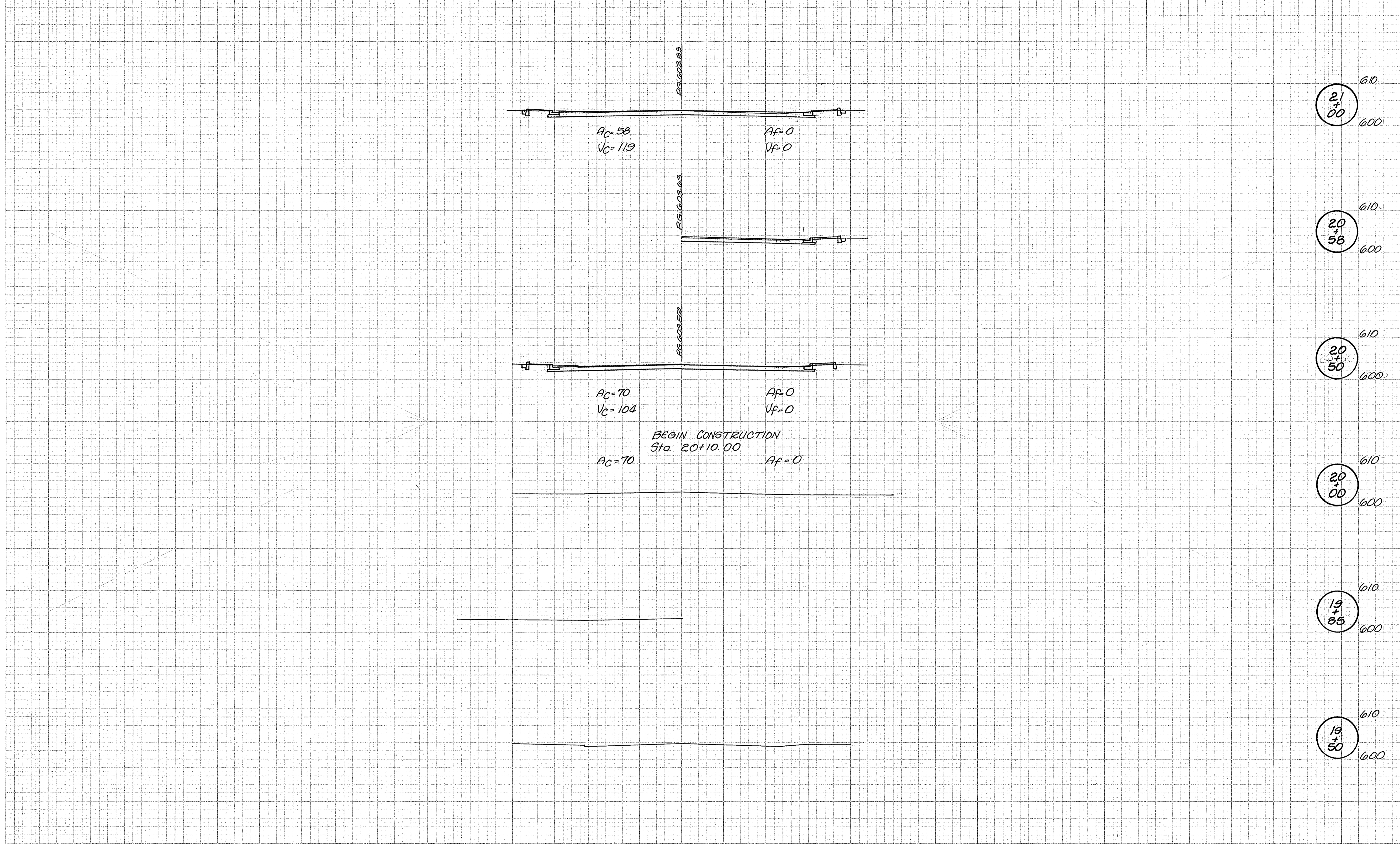
September, 1973

Contract No. R-24731

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	HS 112200	2000
		SHEET NO.	TOTAL SHEETS
		28	34
O'Brien Street			LINE "A"

CUT CROSS SECTIONS FILL  
Scale: 1 inch = 10 feet

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170



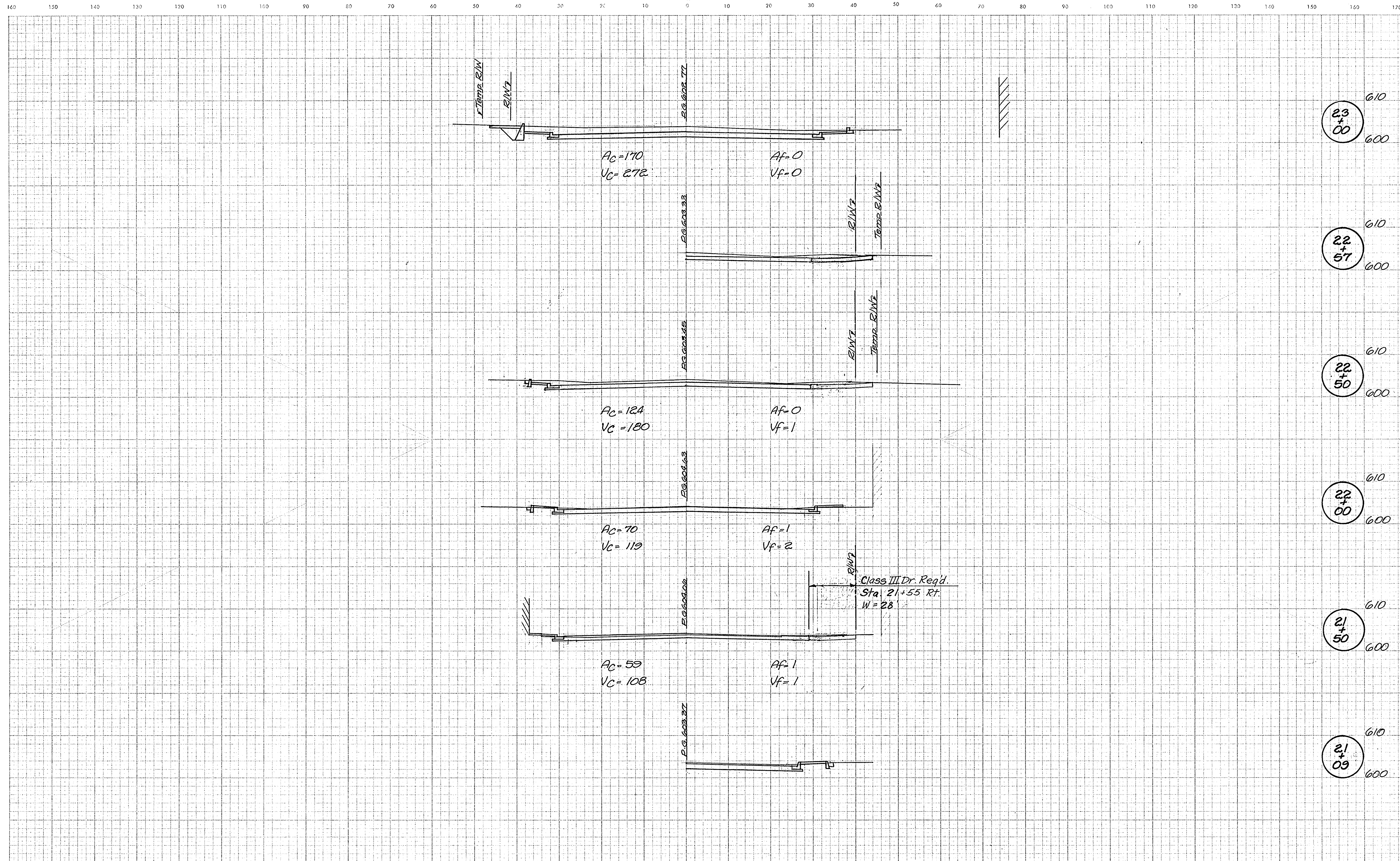
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

LEVEL BOOK NO.		FILE			
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	MS-M2630	2000	29	34

Tipton Street - U.S. 50 LINE "B"

CUT CROSS SECTIONS FILL

Scale: 1 inch = 10 feet



23  
+  
00

22  
+  
57

22  
+  
50

21  
+  
00

21  
+  
50

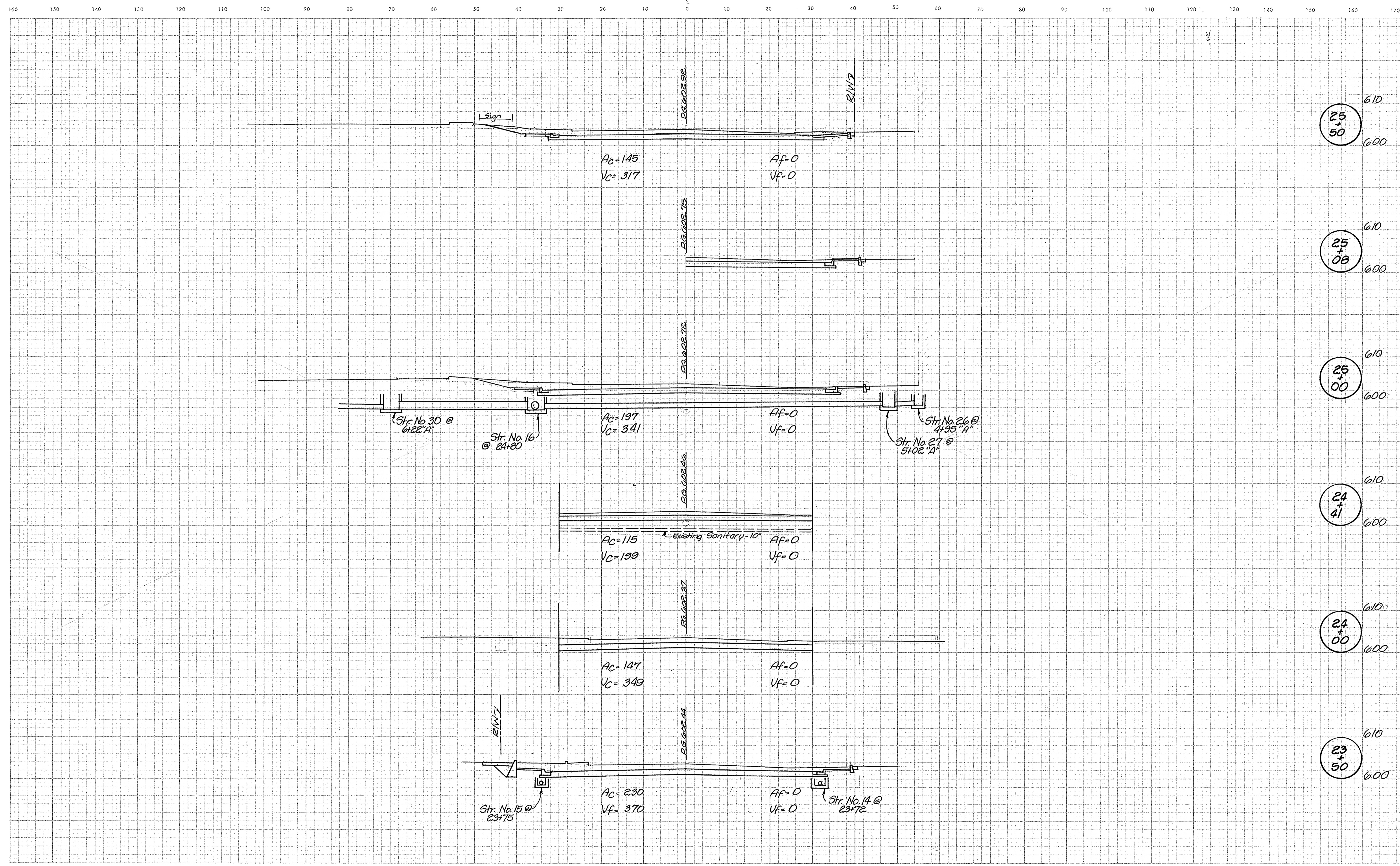
21  
+  
09

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	HS-M-1228(1)	2000
		SHEET NO.	TOTAL SHEETS
		30	34

Tipton Street - U.S. 50 LINE "B"



CROSS SECTIONS  
Scale 1 inch = 30 feet



25  
+  
50

25  
+  
08

25  
+  
00

24  
+  
41

24  
+  
00

23  
+  
50

PLATE 3

September, 1973

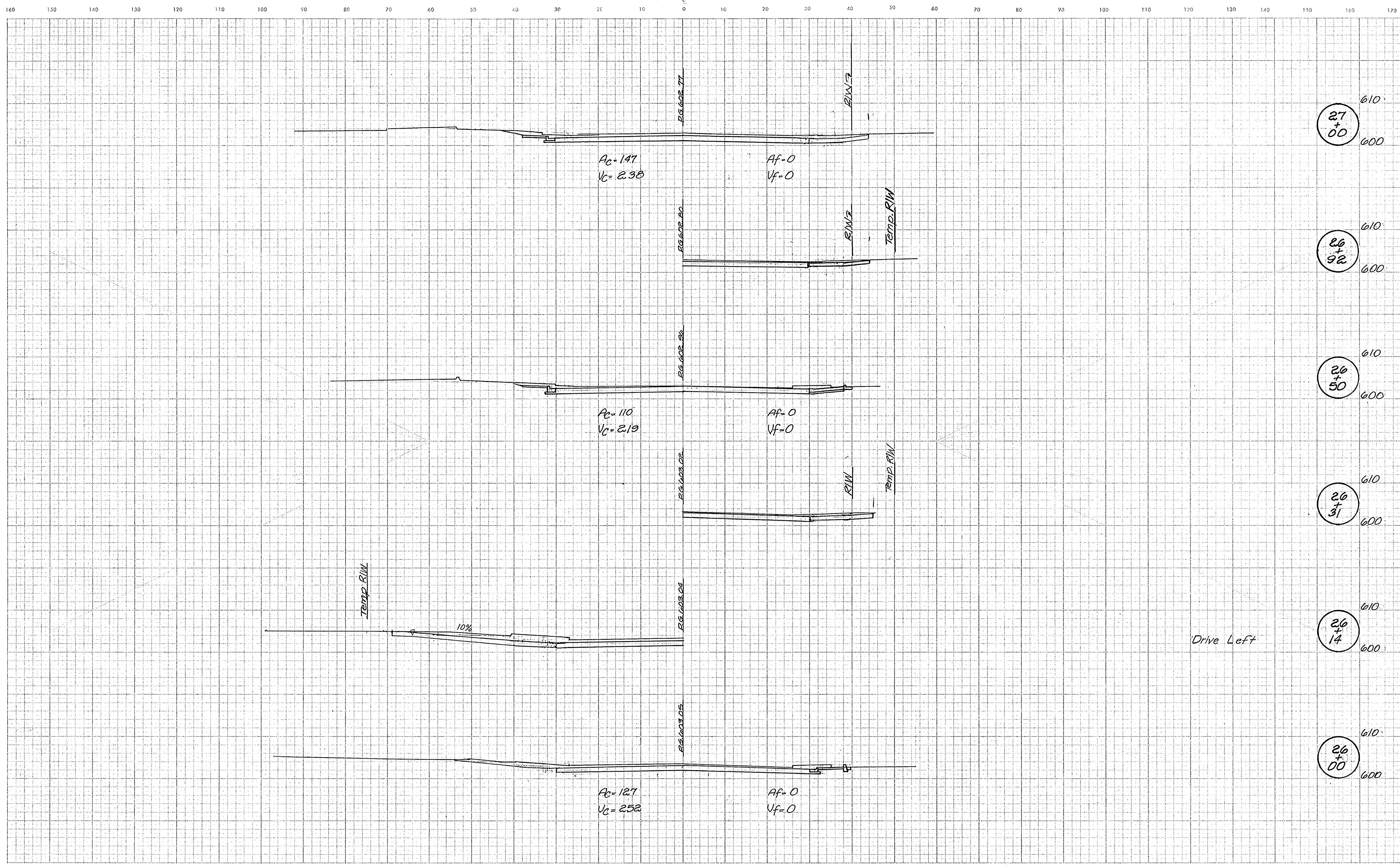
LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	TOTAL SHEETS
5	IND.	MS-MX26302000	31
			34

Tipton Street - U.S. 50 LINE "B"

Contract No. R-24731



CUT CROSS SECTIONS FILL  
Scale 1 inch = 10 feet



27  
+  
00

26  
+  
92

26  
+  
50

26  
+  
31

26  
+  
14

26  
+  
00

Drive Left

A<sub>0</sub> = 1.47  
V<sub>0</sub> = 2.38

A<sub>f</sub> = 0  
V<sub>f</sub> = 0

A<sub>0</sub> = 1.10  
V<sub>0</sub> = 2.19

A<sub>f</sub> = 0  
V<sub>f</sub> = 0

A<sub>0</sub> = 1.27  
V<sub>0</sub> = 2.52

A<sub>f</sub> = 0  
V<sub>f</sub> = 0

10%

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HS-MX-2630	2000	32	34

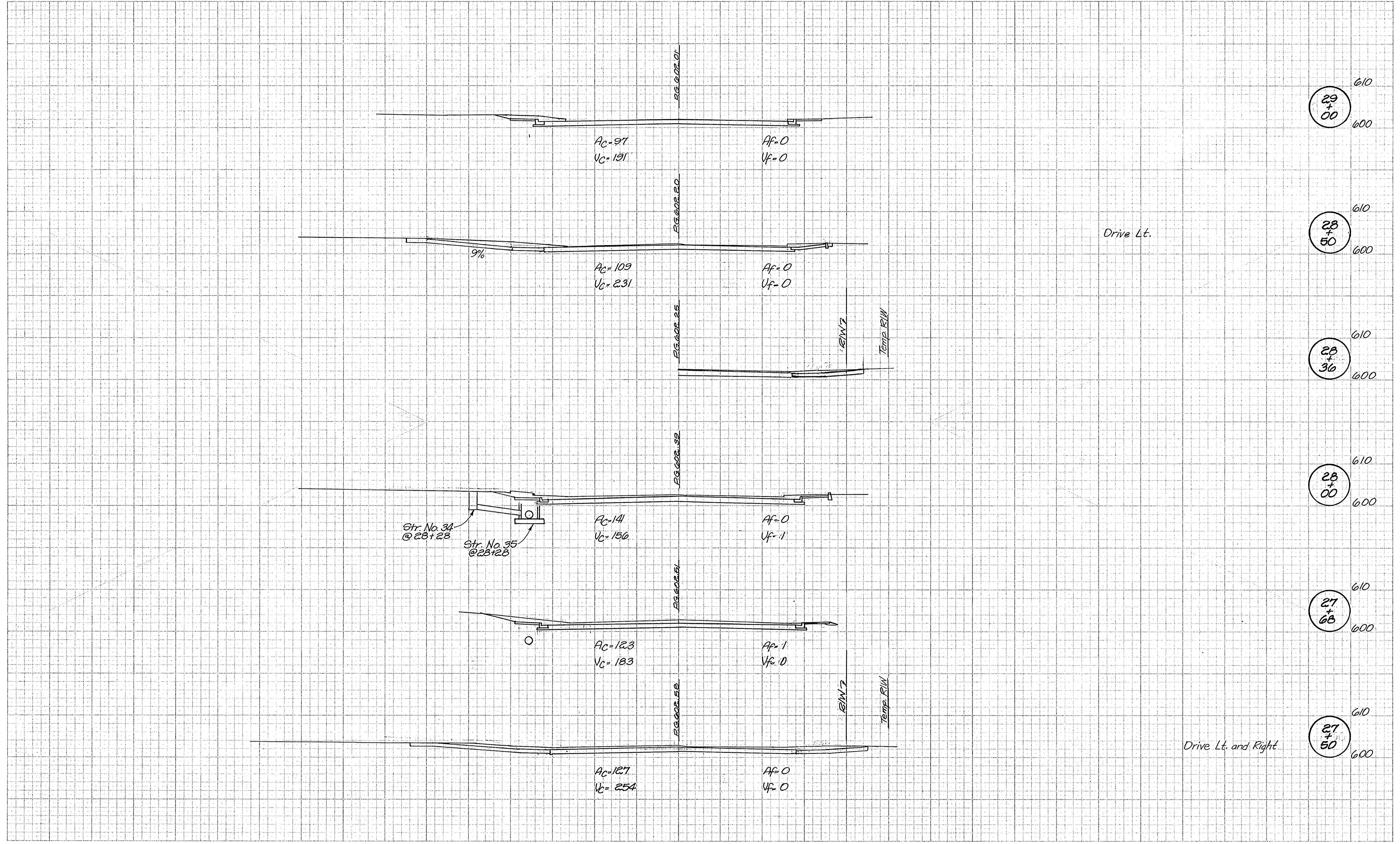
Tipton Street - U.S. 50 LINE "B"

CUT

CROSS SECTIONS  
Scale 1 inch = 10 feet

FILL

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170



160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

September, 1973

Contract No. R-24731

LEVEL BOOK NO.		FISCAL YEAR		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RES-MX(2000)	2000	33	34
Tipton Street - U.S. 50					LINE "B"

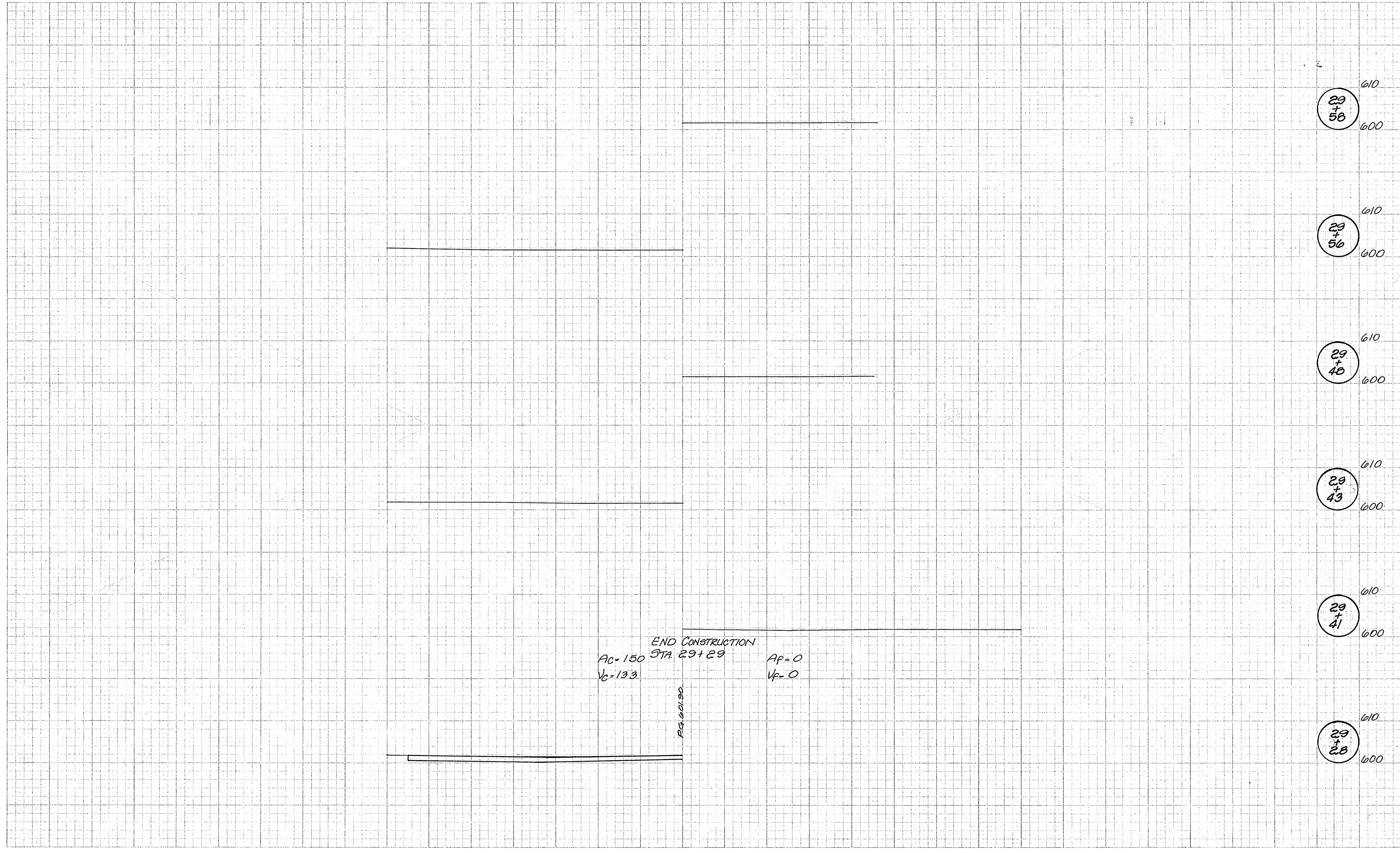
CUT

CROSS SECTIONS

Scale 1 inch = 10 feet

FILL

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170



END CONSTRUCTION  
 AC=150 STA. 29+29 Af=0  
 Vc=133 Vf=0

REG. 601.90

29+58  
610  
600

29+56  
610  
600

29+48  
610  
600

29+43  
610  
600

29+41  
610  
600

29+28  
610  
600

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

PLATE 3

September, 1973

Contract No. R-24731

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	TOTAL SHEETS
5	IND.	2000	34
Tipton Str		SHEET 34	