

STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

CODE 1121

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

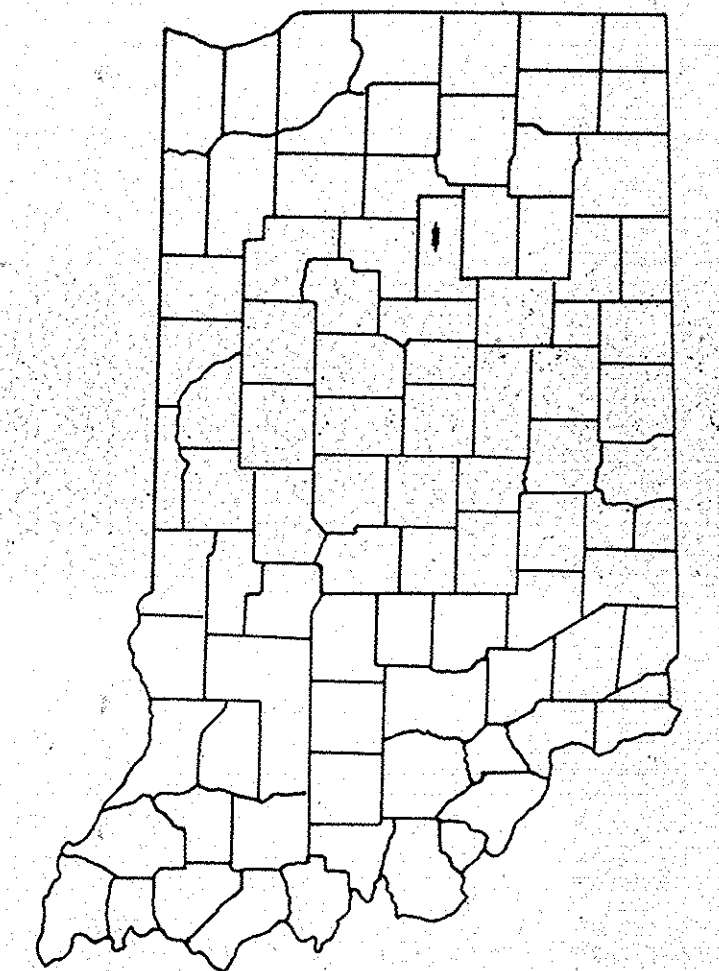
ST-PROJECT NO. 875

EASTBOUND CONNECTOR AT THE INTERSECTION OF U.S.R. 31 AND U.S.R. 31 (BUSINESS) IN SECTION 6, T-26-N, R-4-E, ALL IN MIAMI COUNTY.

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

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875 (A)		1	

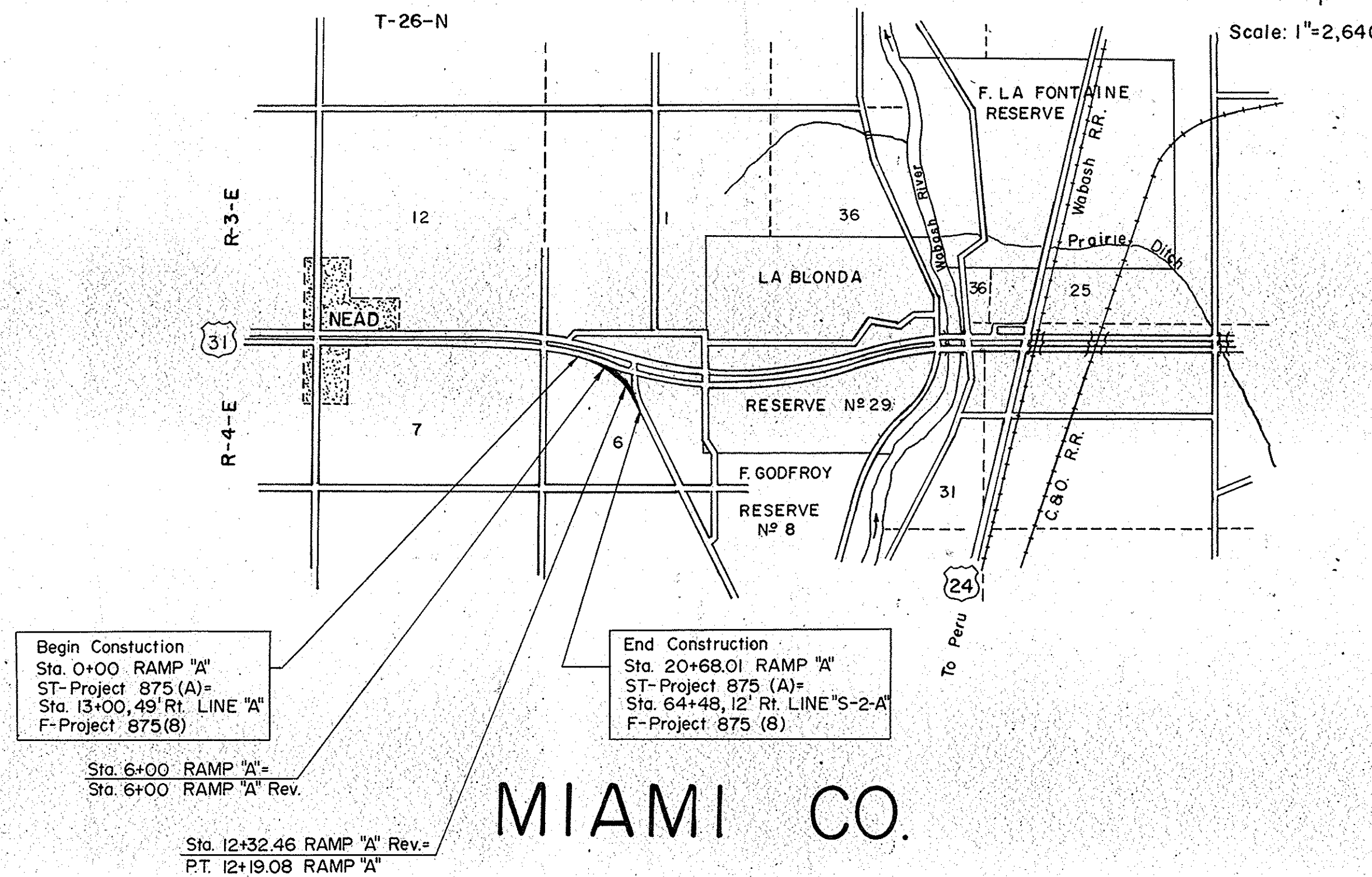
DESIGN DATA	
A.D.T. (1973)	3950 V.P.D.
A.D.T. (1993) PROJECTED	6700 V.P.D.
D.H.V. (1993)	800 V.P.H.
DIRECTIONAL DISTRIBUTION	None %
TRUCKS D.H.V.	4 A.D.T. 7 %
DESIGN SPEED	50 M.P.H.
ACCESS CONTROL	Full



LOCATION OF SECTION INDICATED, THUS —

GROSS LENGTH:- 0.394 MI.
NET LENGTH:- 0.394 MI.
SCALES:-
PLAN { LONG:- 1"=100' PROFILE { HORIZ:- 1"=100'
{ TRANS:- 1"=100' { VERT:- 1"=10'

MAX. GRADE -1.24%



LEGEND

- (A) BARRICADE TYPE "A"
- (B) BARRICADE TYPE "B"
- (C) CONSTRUCTION SIGN TYPE "A"
- (D) CONSTRUCTION IDENTIFICATION SIGN
- (A) PERMANENT BARRICADE TYPE "A"

DESIGNED BY _____

SENIOR DESIGNER _____

RECOMMENDED FOR APPROVAL _____

ASSISTANT ENGINEER OF ROAD DESIGN _____

RECOMMENDED FOR APPROVAL _____

ENGINEER OF ROAD DESIGN INDIANA STATE HIGHWAY COMMISSION _____

APPROVED _____

CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION _____

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

APPROVED _____

DIVISION ENGINEER DATE

ROAD FILE:-

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-875 (A)		1		

INDIANA STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS DATED 1974
TO BE USED WITH THESE PLANS

PROJECT ST-875(A) L.A. CODE 1121 DATE 04/25/74

ROAD USR 31 COUNTY-MIAMI

PARCEL LISTING FOR LAND ACQUISITION
INDIANA STATE HIGHWAY COMMISSION

LAL10

PARCEL NUMBER	GRANTOR	CENTER LINE	FROM APPROX STA.	TO APPROX STA.	PLAN SHEET	BRIDGE	TOTAL AREA	R/W EXISTING TITLE	NATURE OF TITLE ACQUIRED	LAND TO BE ACQUIRED	RESIDUE AREA	BLDG.
1	GERBER AND ASSOC., INC.	RAMP A	7	14	4+ 5		3.994AC		FS	0.682AC	A= 3.312AC	
1A		RAMP A	10	14	4+ 5				SP EASMT RTS			
1B		RAMP A	10	14	4+ 5				SP EASMT RTS			

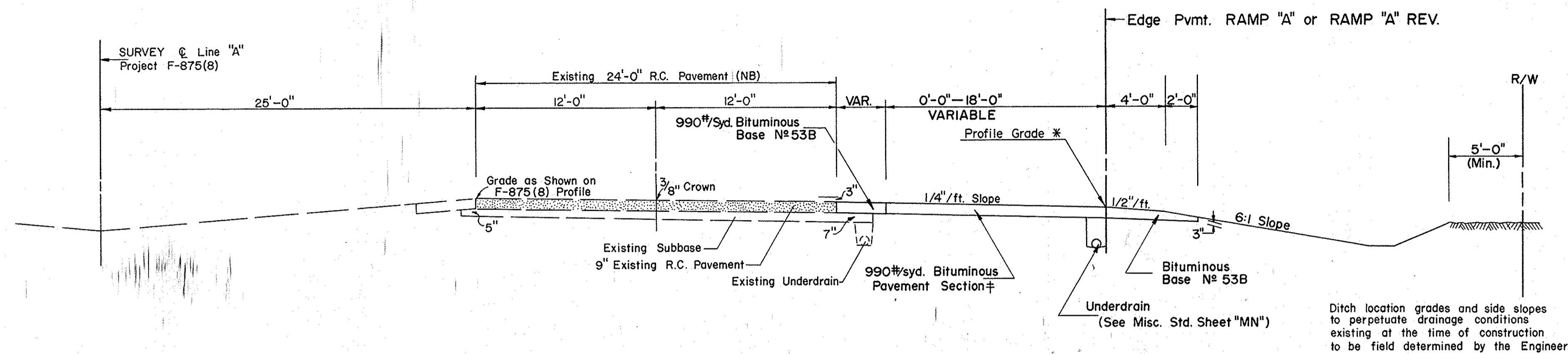
Rvk 2-12-76, A. PERRY

* (ASTERISK) IN THE BRIDGE COLUMN INDICATES THE PARCEL IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF A BRIDGE PROJECT.
* (ASTERISK) IN THE BLDG. COLUMN INDICATES A BUILDING IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF THE R/W REQUIRED.
EASMT RTS = CLEARANCE OF PRIVATE EASEMENT WHICH ENCUMBERS THE TAKING
SP = SPECIAL INSTRUMENT FOR CLEARING SPECIAL INTERESTS (OC DEED, SPECIAL R/W GRANT, RELEASE OF LEASEHOLD, ETC.)
FS = FEE SIMPLE TITLE

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875(A)		2A	

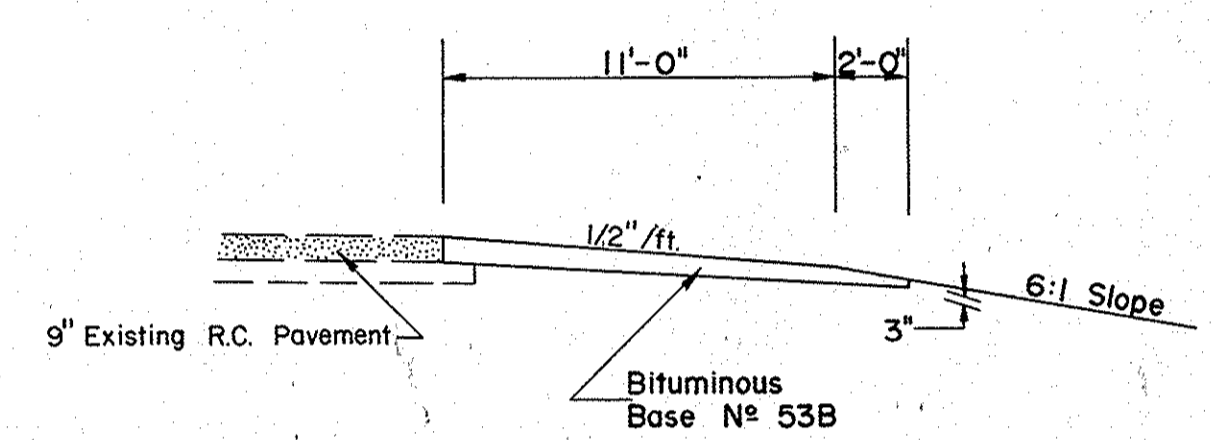
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875(A)		2A	

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875(A)		3	

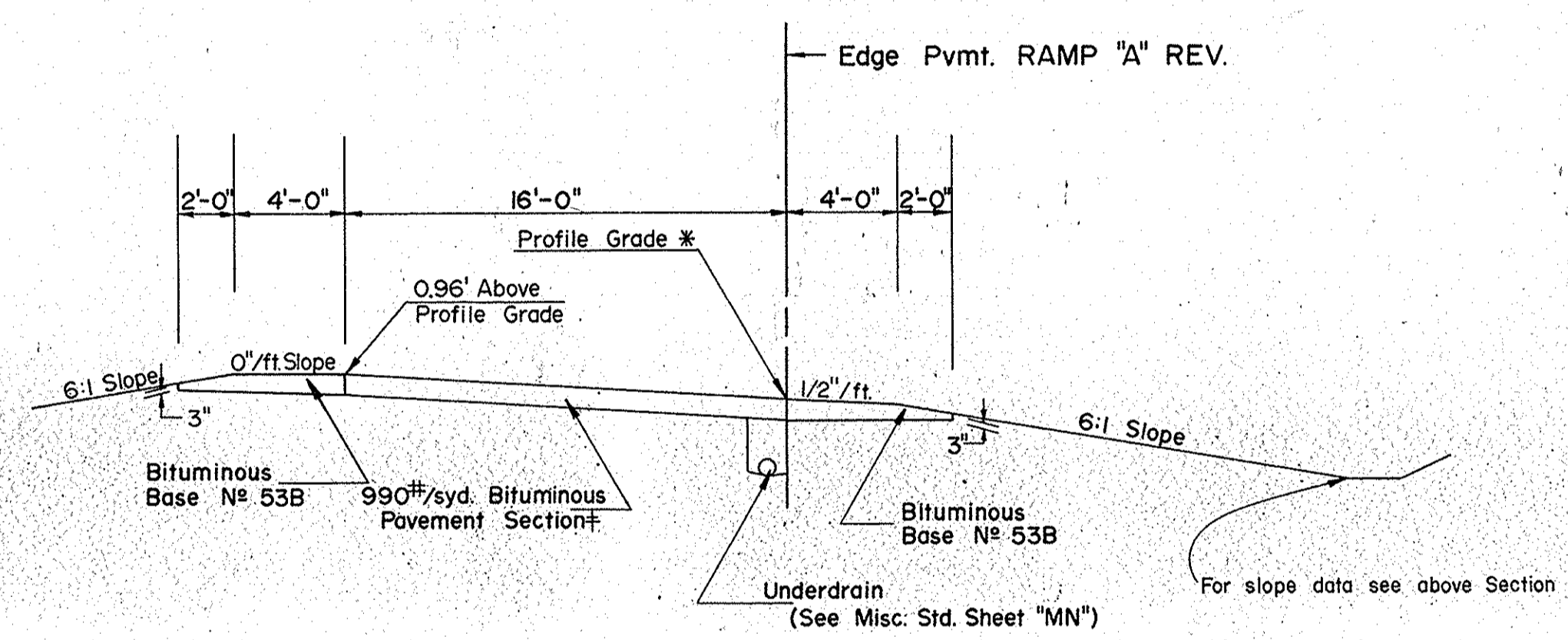
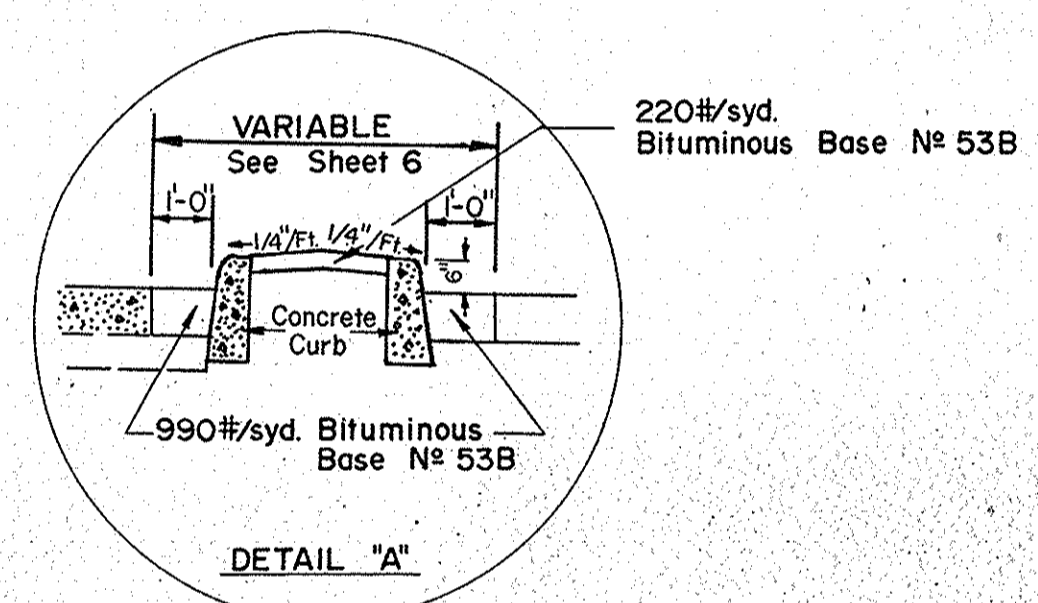


NORMAL SECTION
 STA. 0+00 to STA. 6+00 RAMP "A"
 STA. 6+00 to STA. 7+25.40 RAMP "A" REV.

* For Pavement Edge Profiles, see Sheet 8

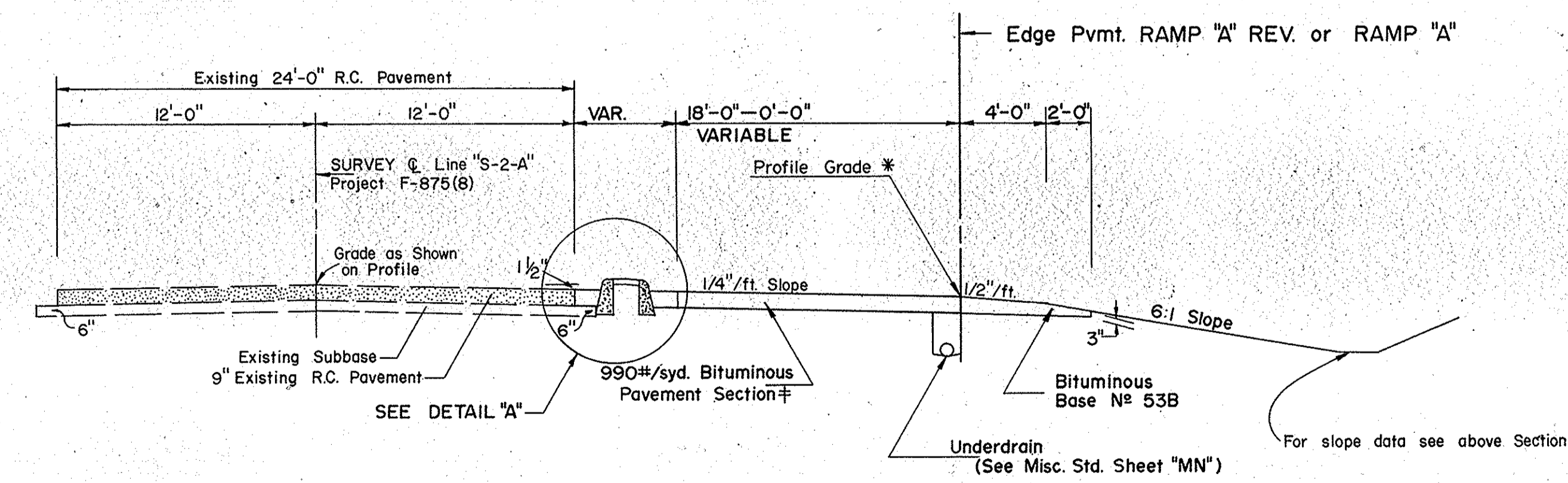


SPECIAL SHOULDER SECTION
 RT. LINE "A"
 RT. LINE "S-2-A"



SUPERELEVATED SECTION
 STA. 7+25.40 to Sta. 11+10.30 (12'-0' Curve Rt.)

- BITUMINOUS ALTERNATES**
- † FOR BITUMINOUS PAVEMENT SECTION Designated (A) on Detail Sheet 5
- 90#/SY. Hot Asphaltic Concrete Surface Type "B" on
 - 240#/SY. Hot Asphaltic Concrete Binder on
 - 660#/SY. Hot Asphaltic Concrete Base
- or
- 90#/SY. Hot Asphaltic Emulsion Surface Type III on
 - 240#/SY. Hot Asphaltic Emulsion Binder on
 - 660#/SY. Hot Asphaltic Emulsion Base
- FOR BITUMINOUS APPROACHES Designated (D) on Detail Sheet 5
- 110#/SY. Hot Asphaltic Concrete Surface Type "B" on
 - 220#/SY. Hot Asphaltic Concrete Base on
 - 3" Type "P" Compacted Aggregate Base
- or
- 110#/SY. Hot Asphaltic Emulsion Surface Type III on
 - 220#/SY. Hot Asphaltic Emulsion Base on
 - 3" Type "P" Compacted Aggregate Base



NORMAL SECTION
 STA. 11+10.30 to STA. 12+32.46 RAMP "A" REV.
 STA. 12+19.08 to STA. 20+68.01 RAMP "A"

TYPICAL CROSS SECTIONS

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

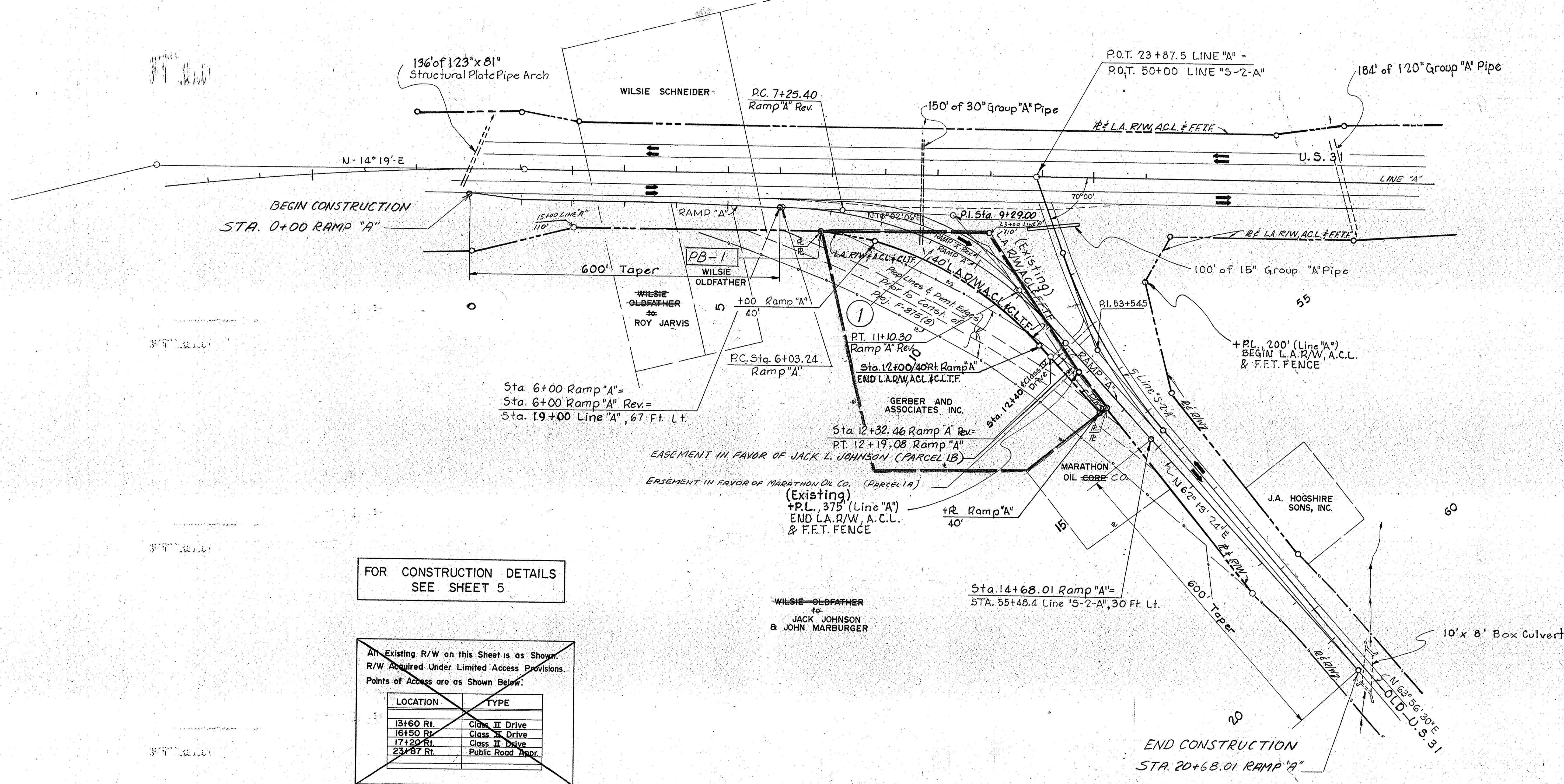
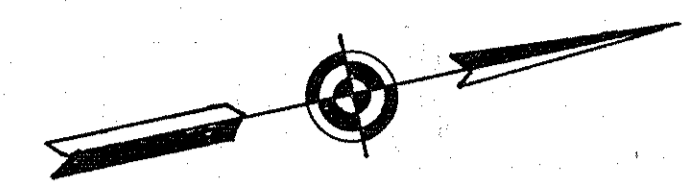
RECOMMENDED FOR APPROVAL _____

ENGINEER OF ROAD DESIGN INDIANA STATE HIGHWAY COMMISSION

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-875(A)		3		

SEC. 6
T-26-N, R-4-E
PIPE CREEK TWP. MIAMI CO.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875(A)		4	



FOR CONSTRUCTION DETAILS
SEE SHEET 5

All Existing R/W on this Sheet is as Shown.
R/W Acquired Under Limited Access Provisions.
Points of Access are as Shown Below:

LOCATION	TYPE
13+60 Rt.	Class II Drive
16+50 Rt.	Class II Drive
17+20 Rt.	Class II Drive
23+87 Rt.	Public Road Appr.

LINE "S-2-A"	CURVE DATA	RAMP "A" REVISED (P.I. Sta. 9+29.00)
$\Delta = 20^{\circ}22'30''$ Lt.	$\Delta = 46^{\circ}11'18''$	$\Delta = 46^{\circ}11'18''$
$D = 5^{\circ}12'$	$D = 7^{\circ}30'00''$	$D = 12^{\circ}00'00''$
$T = 197.9'$	$T = 325.76'$	$T = 203.60'$
$L = 391.8'$	$L = 615.64'$	$L = 384.90'$
$E = 17.65'$	$E = 66.55'$	$E = 41.60'$

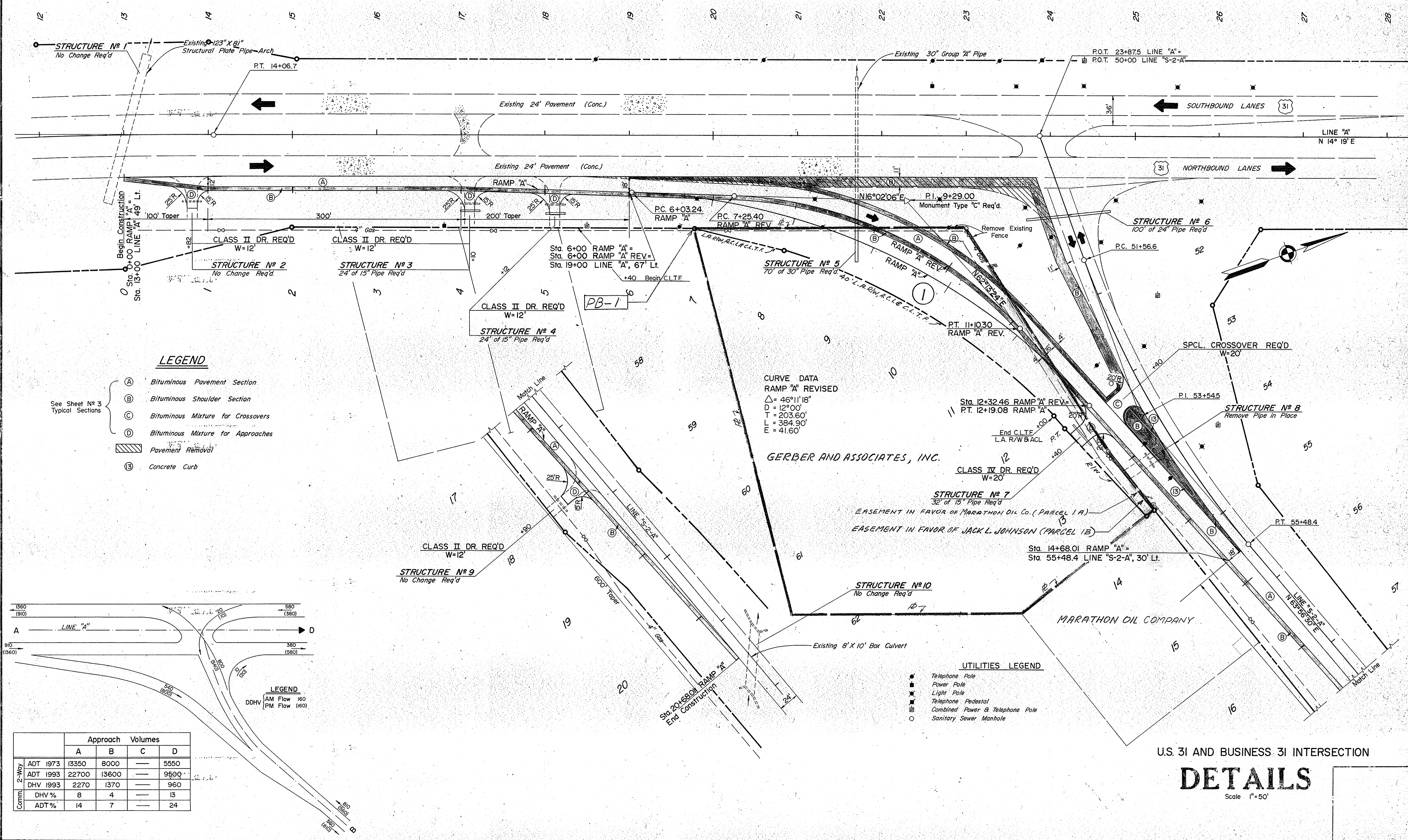
GEOMETRICS DETAILS

Scale 1"=100'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-875(A)		4		

Sec. 6, T-26-N, R-4-E
Pipe Creek Twp., Miami Co.

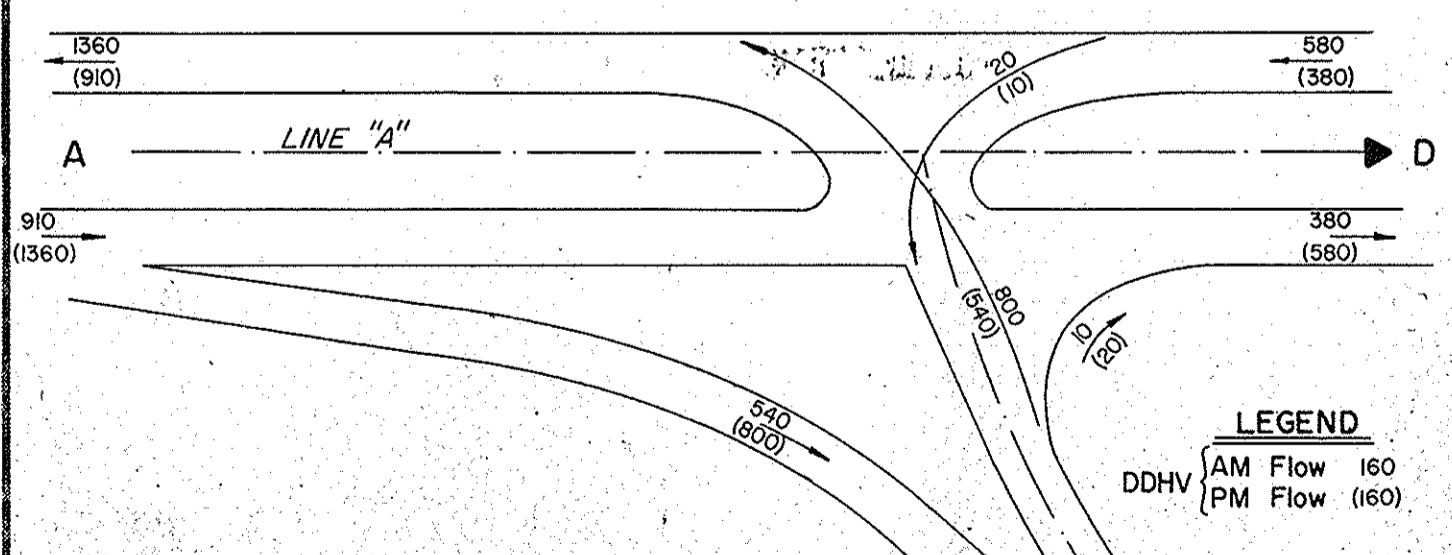
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875 (A)		5	



LEGEND

- (A) Bituminous Pavement Section
- (B) Bituminous Shoulder Section
- (C) Bituminous Mixture for Crossovers
- (D) Bituminous Mixture for Approaches
- ▨ Pavement Removal
- (B) Concrete Curb

See Sheet No. 3
Typical Sections

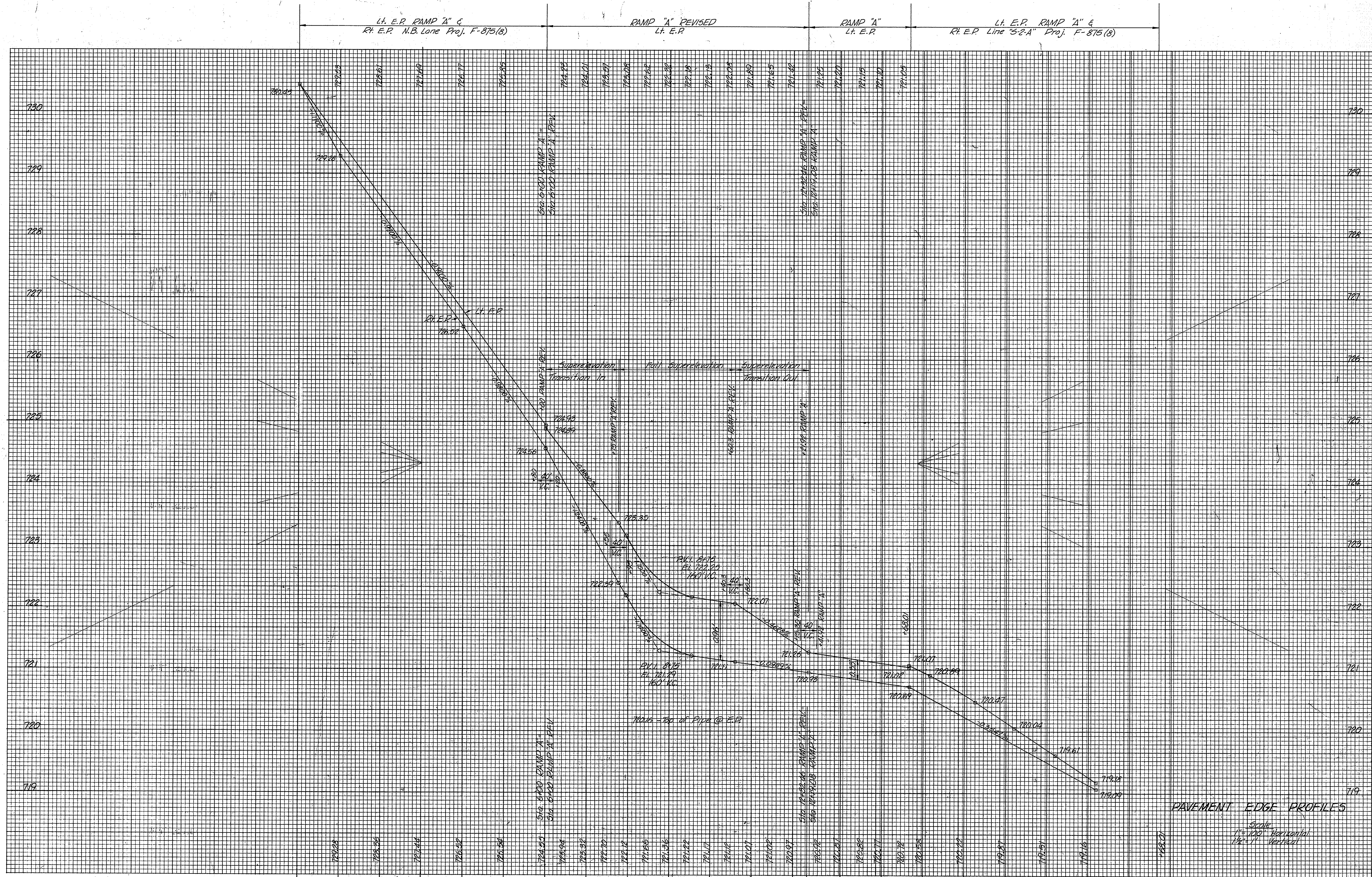


	Approach Volumes			
	A	B	C	D
ADT 1973	13350	8000	—	5550
ADT 1993	22700	13600	—	9500
DHV 1993	2270	1370	—	960
DHV %	8	4	—	13
ADT %	14	7	—	24

U.S. 31 AND BUSINESS 31 INTERSECTION

DETAILS
Scale 1" = 50'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-875 (A)		5		



PAVEMENT EDGE PROFILES

Scale
 1" = 100' Horizontal
 1/4" = 1' Vertical

LEVEL BOOK NO.		FILE	
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR
5	IND.	57-875(A)	6
		SHEET NO.	TOTAL SHEETS
		6	6

LINE RAMP "A" & RAMP "A" REV.

* IF CONTRACTOR ELECTS TO USE METAL PIPE GAGES AS SHOWN BELOW ARE TO BE USED.

STRUCTURE DATA

* IF CONTRACTOR ELECTS TO USE METAL PIPE, GAGES AS SHOWN BELOW ARE TO BE USED

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-875 (A)		8	

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	DESCRIPTION <small>SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.</small>	LENGTH	SKEW	COVER	FLOW LINE		CONCRETE CLASS 'A'	'B' BORROW	METHOD OF BACKFILL	THICKNESS INCHES		VELOCITY	RIPRAP	PIPE END SECTION	REINF. STEEL	REMARKS	PLANS ON SHEET NO.	STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	DESCRIPTION <small>SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.</small>	LENGTH	SKEW	COVER	FLOW LINE		CONCRETE CLASS 'A'	'B' BORROW	METHOD OF BACKFILL	GAGES OR THICKNESS		VELOCITY	RIPRAP	PIPE END SECTION	REINF. STEEL	REMARKS	PLANS ON SHEET NO.											
										UP STREAM ELEV.	DOWN STREAM ELEV.				STEEL	ALUM.																	SYS.	EA.				LBS.	UP STREAM ELEV.							DOWN STREAM ELEV.	CU. YDS.	CU. YDS.	STEEL	ALUM.	SYS.	EA.	LBS.			
1	13+00 Line 'A'			✓	123X81	No Change Req'd															Existing Structural Plate Pipe Arch	5																																		
2	0+82		✓		12	No Change Req'd																5																																		
3	4+10		✓		15	D								B	0.064	0.105					2	5																																		
4	5+12		✓		15	D								B	0.064	0.105					2	5																																		
5	8+80			✓	30	A								A	0.064						1	5																																		
6	51+00 "S-2-A"			✓	24	A								A	0.064						2	5																																		
7	12+40		✓		15	D								B	0.064	0.105					2	5																																		
8	54+00 "S-2-A"		✓		12																	5																																		
9	58+70 "S-2-A"		✓		12	No Change Req'd																5																																		
10	61+57 "S-2-A"			✓	8'X10'	No Change Req'd																5																																		

LEGEND FOR ABBREVIATION

- | | |
|--|---|
| F.B.C.S./P.I. --- FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT. | F.B.C.S.A./P.I. --- FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT. |
| F.B.C.C.A.A./P.I. --- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT. | F.B.C.C.A.A.A./P.I. --- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH WITH PAVED INVERT. |
| F.B.C.C.S. --- FULLY BITUMINOUS COATED CORRUGATED STEEL. | F.B.C.C.A. --- FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH. |
| C.S. --- CORRUGATED STEEL. | F.B.C.C.A.A.A. --- FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH. |
| C.A.A. --- CORRUGATED ALUMINUM ALLOY. | C.S.A. --- CORRUGATED STEEL ARCH. |
| S.P.S. --- STRUCTURAL PLATE STEEL. | C.A.A.A. --- CORRUGATED ALUMINUM ALLOY ARCH. |
| | S.P.S.A. --- STRUCTURAL PLATE STEEL ARCH. |