

ESAL Mainline : 2,000,000
 ESAL Shoulders : 500,000
 QC/OA - PG BINDER: 64-22

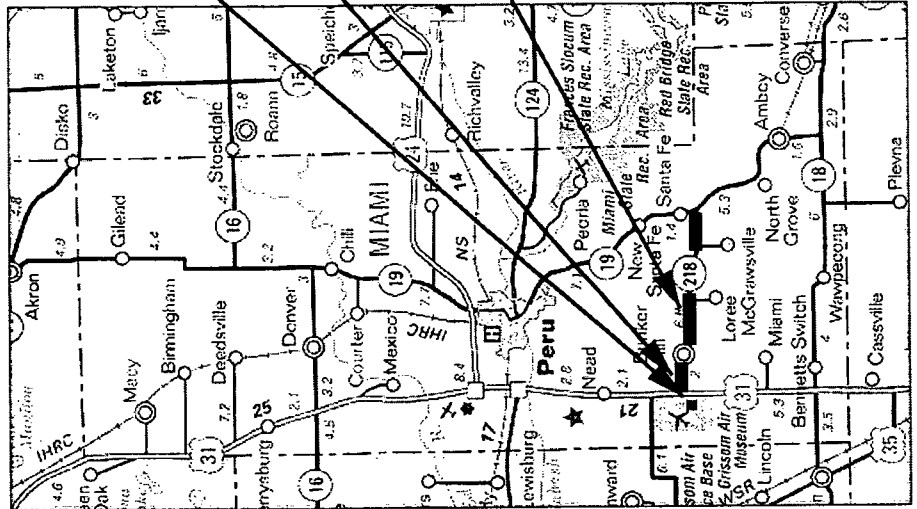
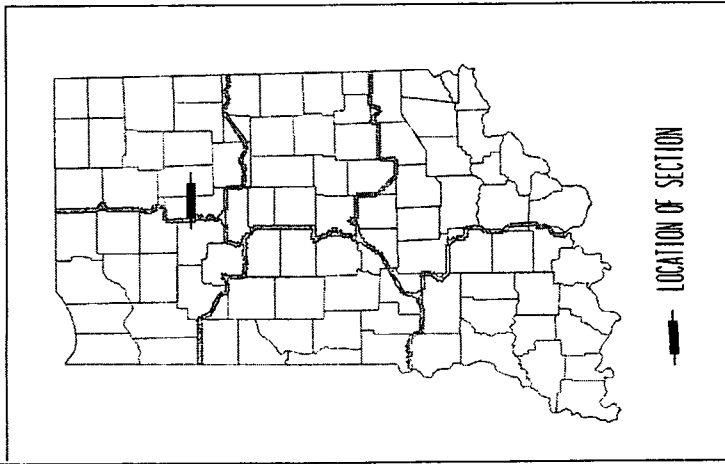
INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC DATA
 AADT 2001=0000
 AADT 2011=00000
 DHV 2011=0%

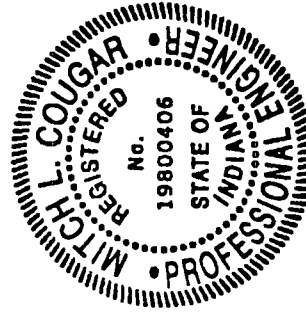
CONTRACT NO. M-26106

PROJECT LOCATION

1. DES # 0101237 - US31@ CR400S TURN LANE EXTENSIONS(LEFT)
 2. DES # 0101238 - US31@AIRPORT RD. ADDED TURN LANES(LEFT)
 3. DES # 0101240 - SR 218 - RESURFACE THROUGH BUNKER HILL
 4. DES # 0101241 - SR218 WEDGE AND LEVEL FROM BUNKER HILL TO SR 19
 5. DES # 0101242 - BUS31 @NB US31 ADDED TURN LANE (RIGHT)
- SB US31 @ CR800S TURN LANE EXTENSION(LEFT)



PLANS PREPARED BY: JENNIFER BRAUN



Date: 1/23/02

CERTIFIED BY: *Judith C. Cougour*

CERTIFIED BY:

APPROVED FOR LETTING: *N. Stephen Ponsky*
 1.23.2002

APPROVED FOR LETTING:

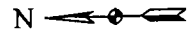
Description Code 0101237,0101238,0101240
0101241,0101242

Indiana Department of Transportation
 Standard Specification dated 1999
 to be used with these plans.

CONSTRUCTION PLAN INDEX

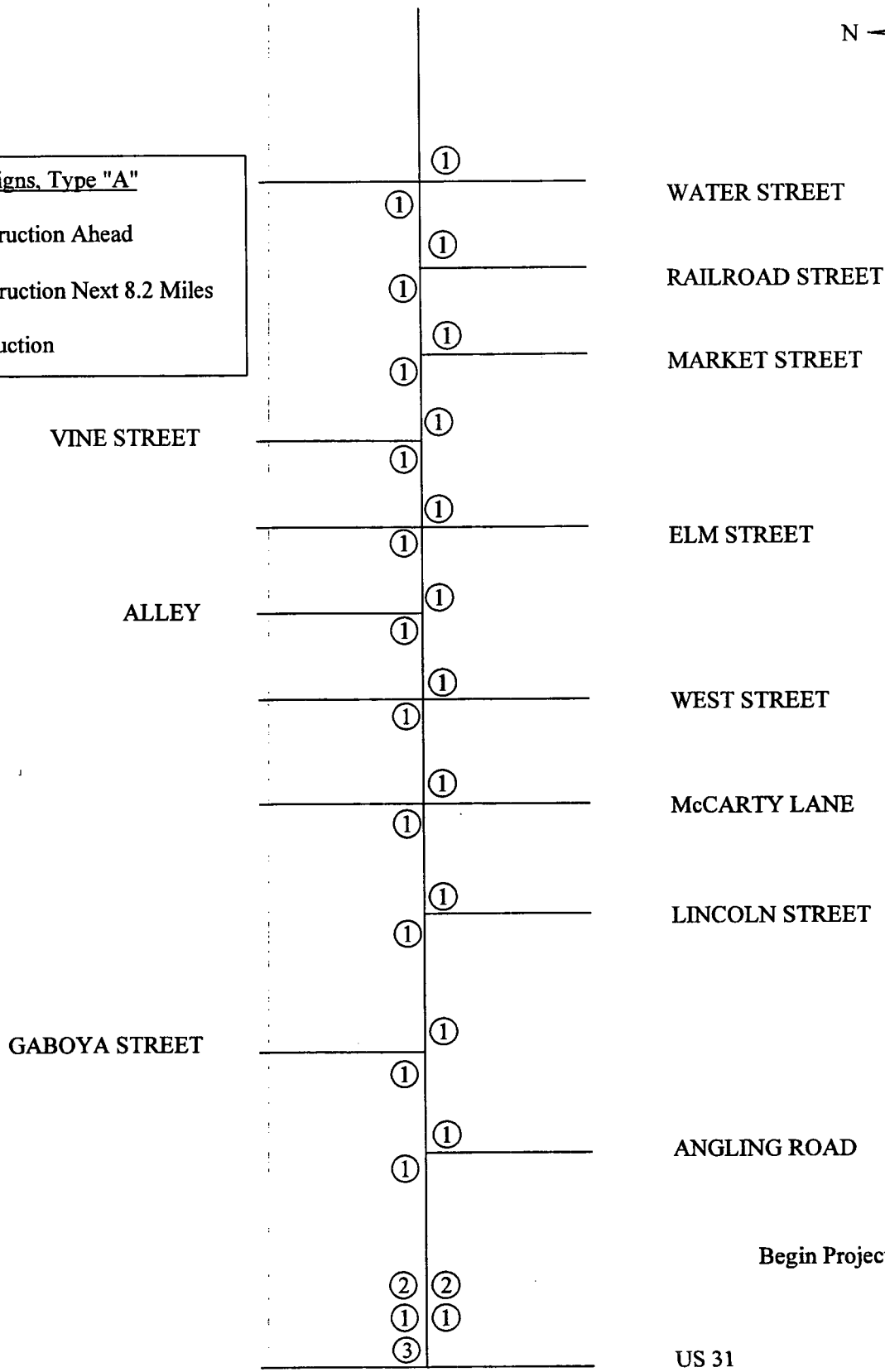
<u>Page</u>	
1	Title Sheet
2	Construction Plan Index
3-4	Sign Location Map
5-7	Typical Cross-Sections
8-22	Strip Maps
23-29	Summary Tables and Detail Sheets

Fort Wayne District
 SR 218 Asphalt Resurface and Wedge and Level
 Construction Sign Layout



- Construction Signs, Type "A"

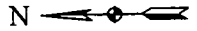
 - ① Road Construction Ahead
 - ② Road Construction Next 8.2 Miles
 - ③ End Construction



Fort Wayne District
 SR 218 Asphalt Resurface and Wedge and Level
 Construction Sign Layout

End of Project 434+80

SR 19



- Construction Signs, Type "A"

 - ① Road Construction Ahead
 - ② Road Construction Next 8.2 Miles
 - ③ End Construction

① ① ③
 ② ②

CR 400 E

①

①

①

①

CR 300 E

CR 250 E

①

①

CR 150 E

①

①

①

CR 150 E

①

①

STRAWTOWN PIKE

①

①

WASHINGTON STREET

①

JOHN STREET

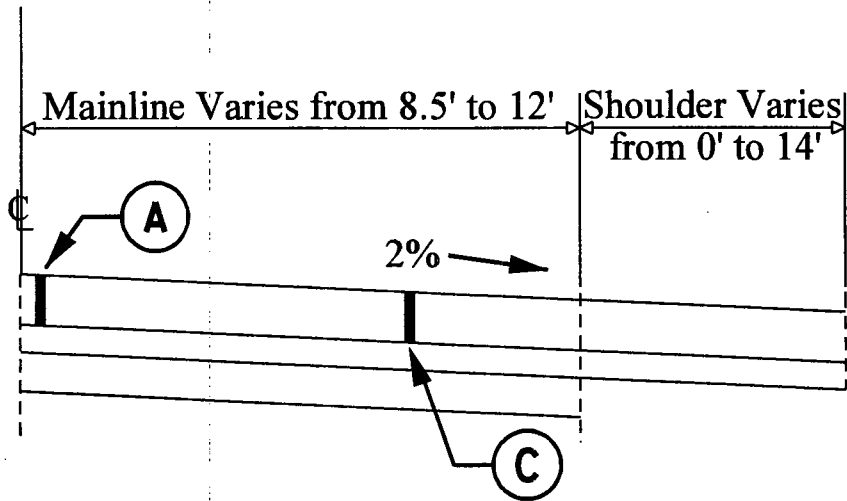
①

①

Fort Wayne District
SR 218 Asphalt Resurface

TYPICAL HALF SECTION

STA 2+55 to STA 93+30



Legend

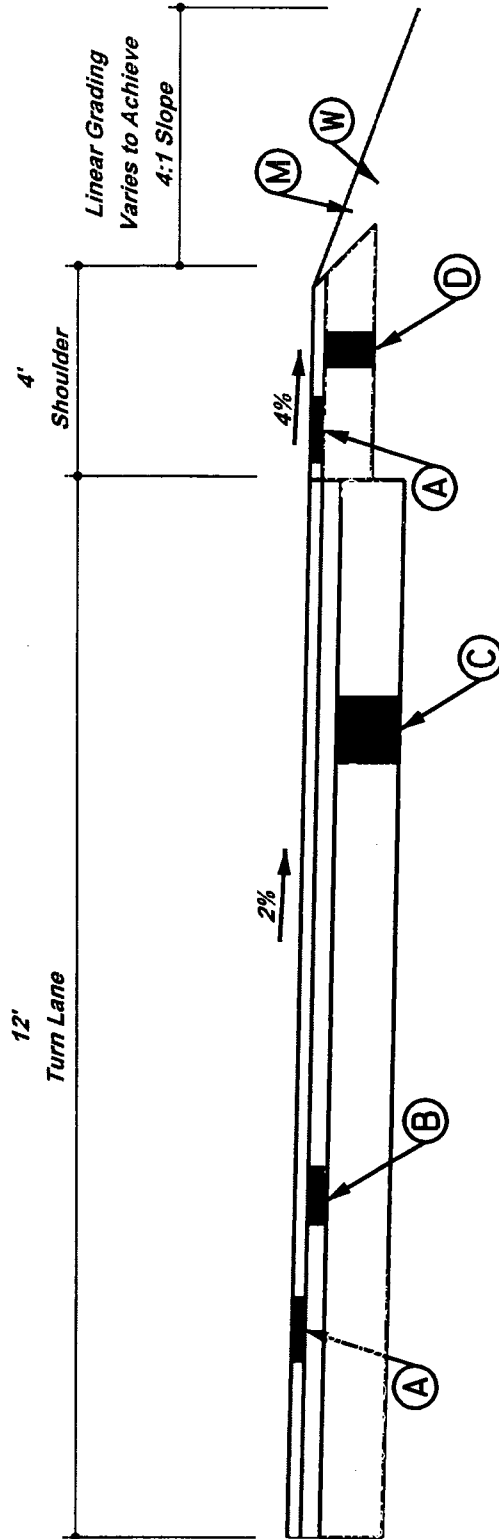
- (A) Place 165 lb/sys HMA Surface, 9.5 mm, Mainline
- (C) Mill 1.5" of Surface

Notes:
Use PG binder 64-22

Fort Wayne District
Turn Lane Additions or Extensions

US 31 and Airport Road
US 31 and CR 400 S
US 31 and CR 800 S

Typical Cross Section



NOTE:

- A = 165 lbs/sys HMA Surface 9.5 mm, Mainline
(to be paid for as Widening with HMA)
- B = 275 lbs/sys HMA Intermediate 12.5 mm, Mainline
(to be paid for as Widening with HMA)
- C = 990 lbs/sys HMA Base 25.0 mm, Mainline
(to be paid for as Widening with HMA)
- D = 495 lbs/sys HMA Base 25.0 mm, Shoulder
(to be paid for as Widening with HMA)

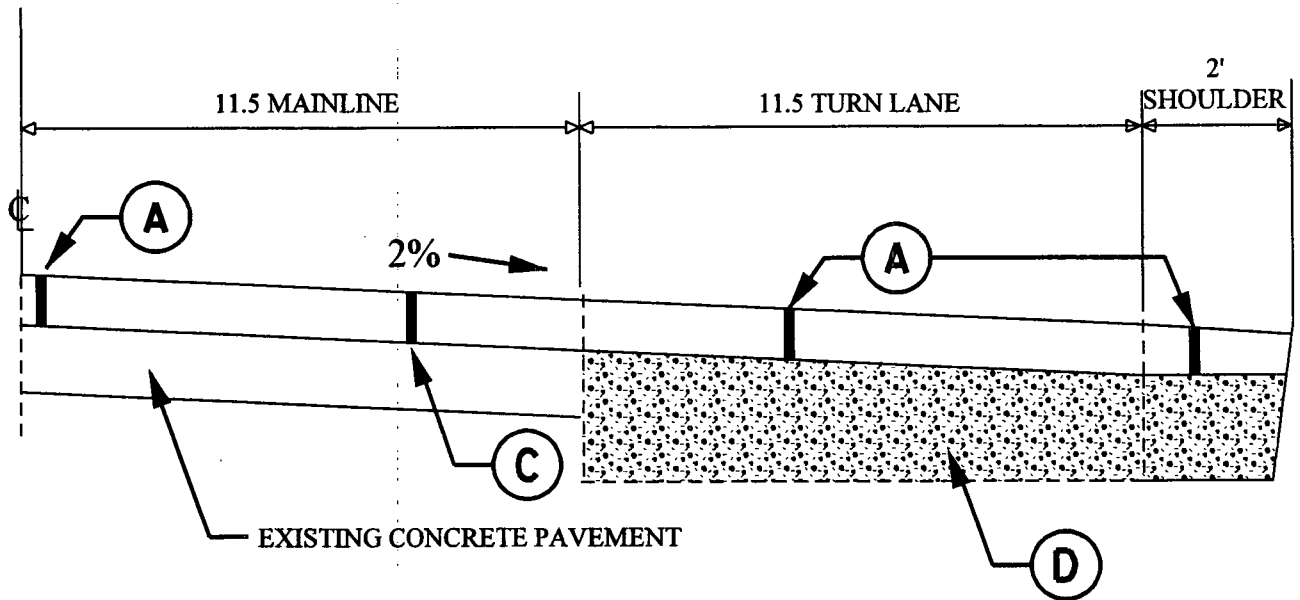
W = Linear Grading
M = Mulched Seeding

graphic representations NOT to scale

Fort Wayne District
Business U.S. 31 Asphalt Resurface

TYPICAL HALF SECTION

STA 51+44.9 to STA 59+58.9



Legend

- (A) Place 165 lb/sys HMA Surface, 9.5 mm, Mainline
- (B) Place 165 lb/sys HMA Surface, 9.5 mm, Turn Lane
- (C) Mill To Concrete Pavement (Approx. 1" - 1 1/2")
- (D) Place 1320 lb/sys HMA Base 25.0mm, Mainline
to be paid for as widening

Notes:
Use PG binder 64-22

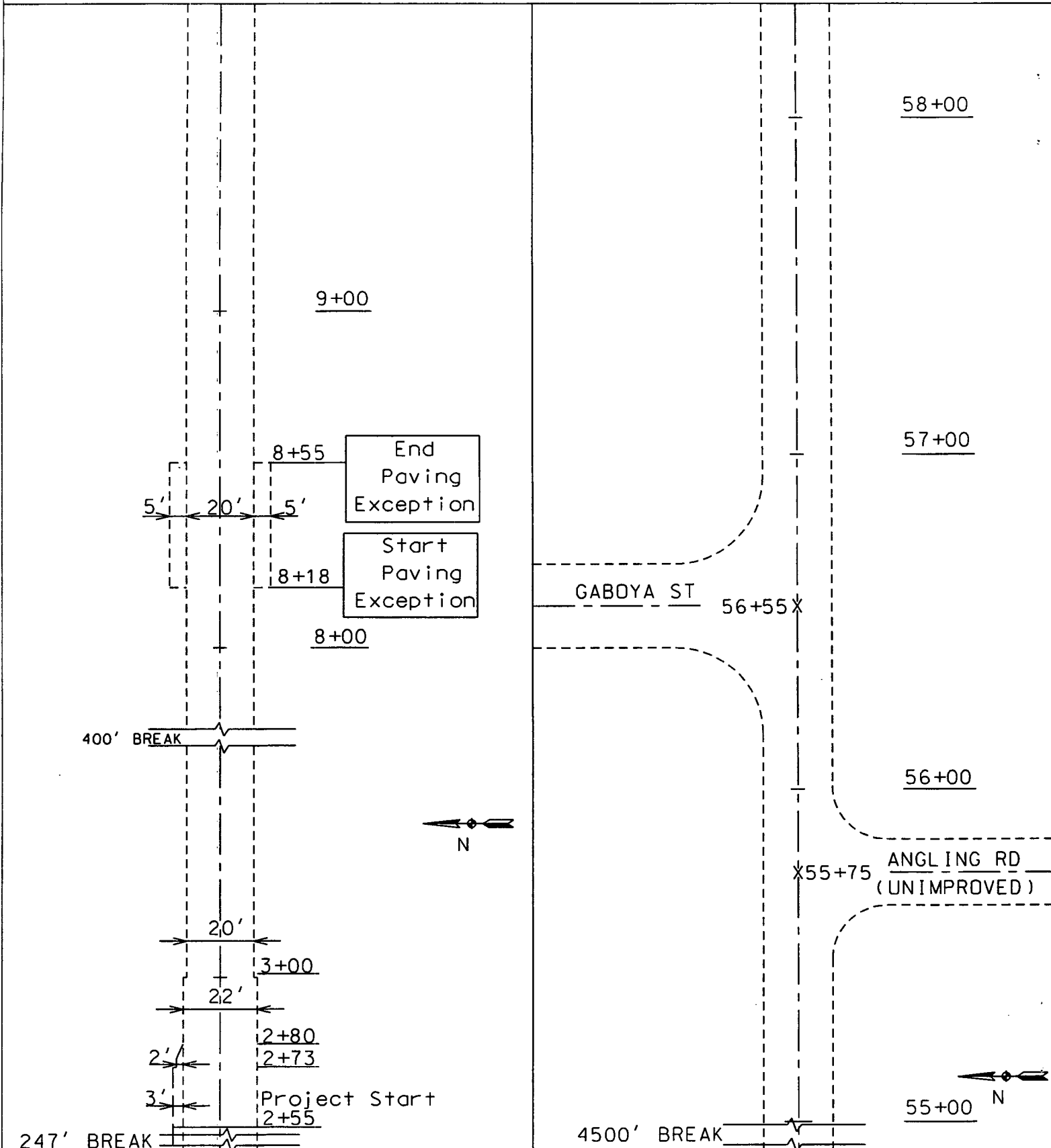
Contract No. M-26106

Page 7

Fort Wayne District
 S.R. 218 Asphalt Resurface
 Strip Map

MATCH LINE 9+91

MATCH LINE 58+34



Centerline of US 31 0+00

Contract No. M-26106
 Page 8

MATCH LINE 9+91

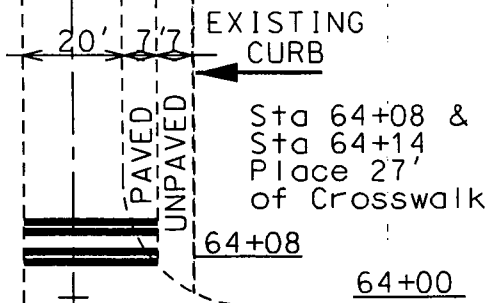
Fort Wayne District
S.R. 218 Asphalt Resurface

Strip Map

MATCH LINE 64+65

MATCH LINE 68+07

68+00



LINCOLN ST

63+85

22'

63+57

WEST ST

67+00

WEST ST

63+07

63+00

7' 20'

66+77

EXISTING CURB

Existing Curb from
Sta 64+08 to 66+77 Rt

66+00

EXISTING CURB

20' 11'

Existing Curb from
Sta 61+36 to 63+07 Lt

McCARTY LN
(UNIMPROVED)

65+47

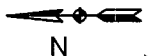
McCARTY LN
(UNIMPROVED)

62+00

Sta 61+76 &
Sta 61+83
Place 21'
of Crosswalk

PAVED
UNPAVED

65+00



61+36
288' BREAK LINE

20' 7'

MATCH LINE 58+34

Contract No. M-26106

MATCH LINE 64+65

Fort Wayne District
 S.R. 218 Asphalt Resurface
 Strip Map

MATCH LINE 71+50

71+31

ELM ST

71+11

71+00

*Place 1320 lbs/syd HMA Base 25 mm, Mainline
 To be paid for as HMA for Widening

Existing Curb from
 Sta 70+52 to 76+87 Rt

70+52

14' 20' 11'

70+00

69+94

69+68

Widen 100' x 2'
 from Sta 75+67 to 76+23 Lt*

Existing Curb from
 Sta 71+31 to 75+67 Lt

20' 69+50

76+00

76+38

ALLEY

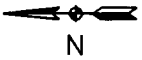
X 69+35

20' 75+81

BREAK LINE 20'

76+87

MATCH LINE 76+87

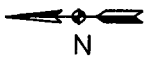


22' 69+00

44' 75+67

15'

75+00



BREAK LINE 350'

MATCH LINE 68+07

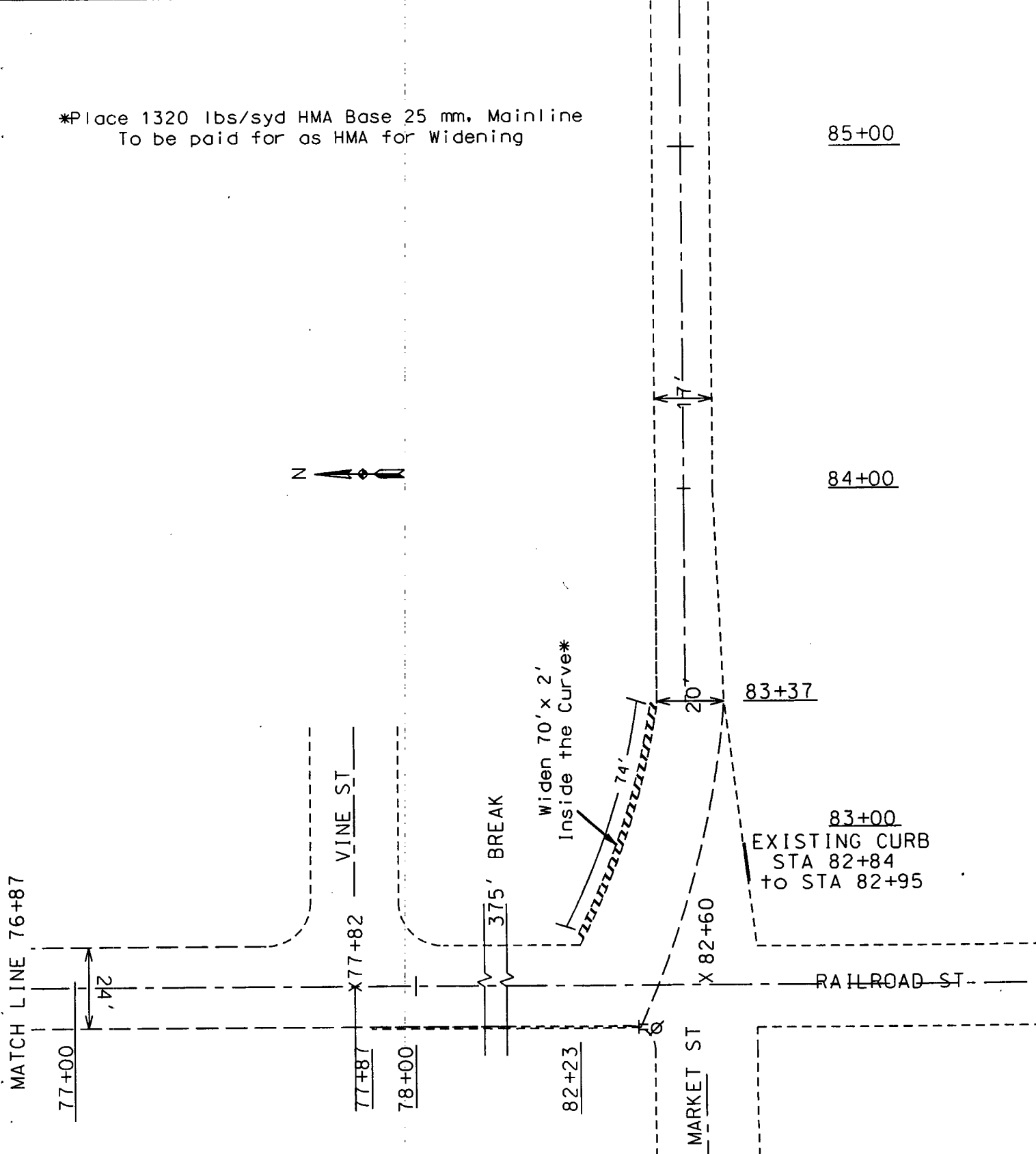
Contract No. M-26106

MATCH LINE 71+50

Fort Wayne District
S.R. 218 Asphalt Resurface
Strip Map

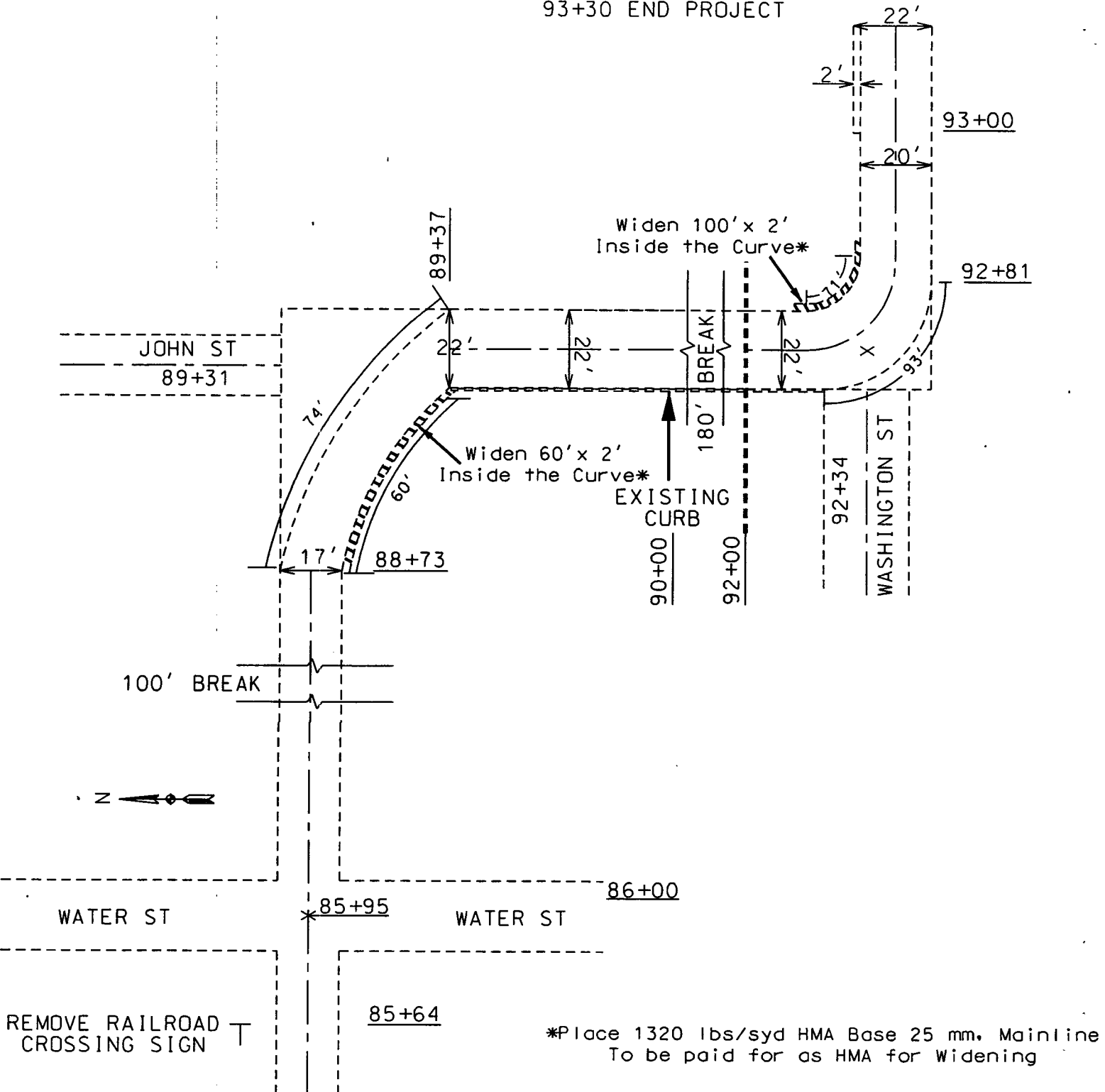
MATCH LINE 85+44

*Place 1320 lbs/syd HMA Base 25 mm, Mainline
To be paid for as HMA for Widening



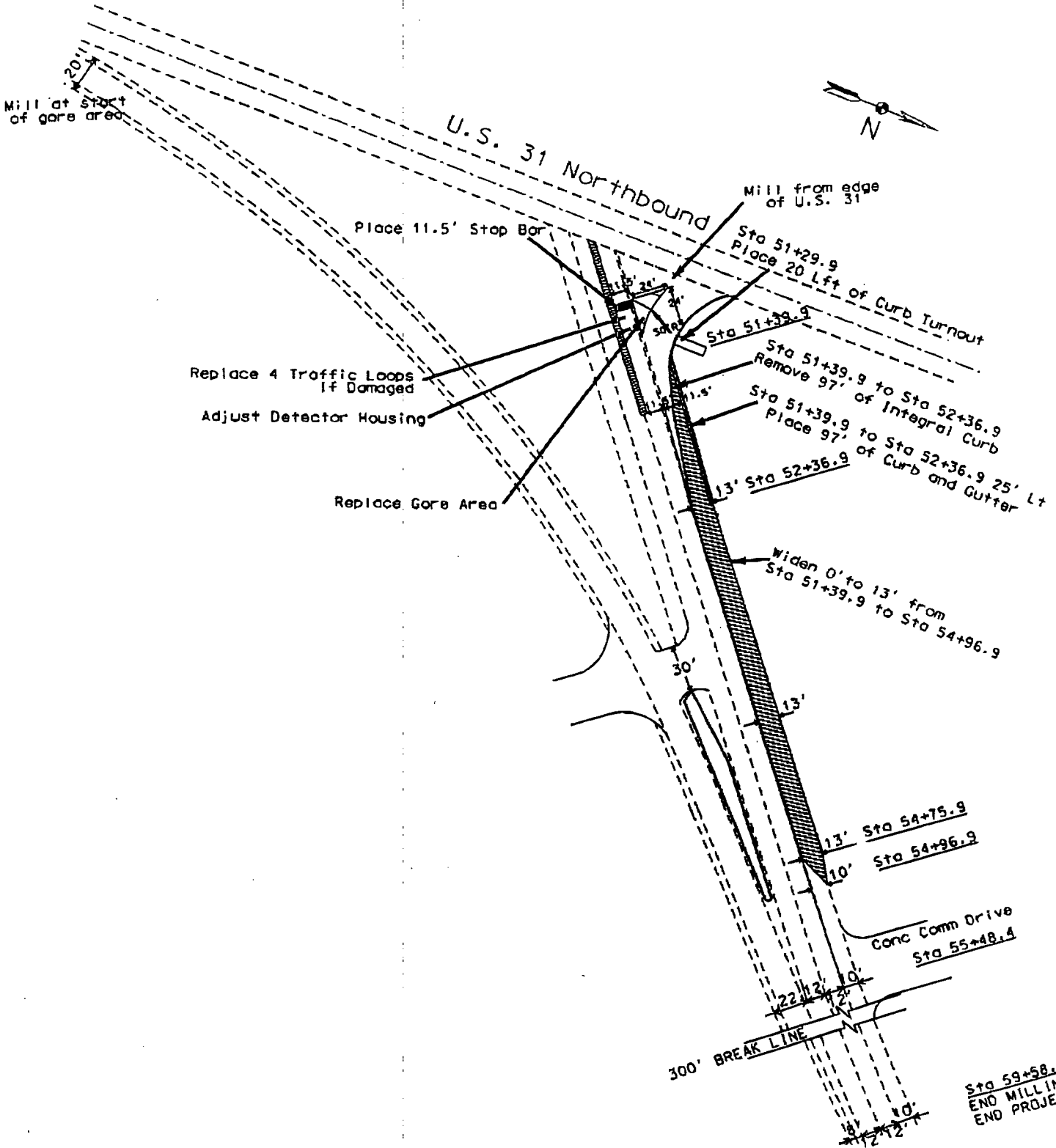
Fort Wayne District
 S.R. 218 Asphalt Resurface
 Strip Map

93+30 END PROJECT



MATCH LINE 85+44
 Contract No. M-26106
 Page 12

Fort Wayne District Business U.S. 31 Strip Map

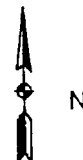


Fort Wayne District U.S. 31 and Airport Road Strip Map MATCH LINE 7+78

Construction Signs, Type "A"

① Road
Construction Ahead
In Accordance with
Standard Drawing
801-TCFD-06

Construct Type "U"
Public Crossover
See Standard Drawing
610-PRCD-06



Remove Existing
4' Shoulder
Place 4' shoulder
(See Sheet 6)
Place 12' Left
Turn Lane
(See Sheet 6)

100' BREAK

5+00

5+00

4+82 8' ES T
RP 180
4+67 9' ES Π
4+67 13' EP

4+67 13' EP
Π

□
34" x 34"
INLET
See
Note "A"

4+70 8' EP
RP 180

4+50
Linear Grading
From
Sta 4+00 to 16+00

4+00

950' BREAK

4' 12' 12' 10'

1+36 9' ES T
A. Replace Casting
with Neenah
R-4215 Series
Convex Grates

①

① STA -6+00

Fori Wayne District U.S. 31 and Airport Road Strip Map

MATCH LINE 11+29

11+00

10+67 18' ES

10+32 31' ES Reset DP

10+45 18' EP Reset Sign

10+35 10' ES

10+36 27' EP Reset Sign

10+33 8' EP

10+31

10+22 15' EP

10+17 20' EP

10+15 NIPSCO Pipeline

10+00 AIRPORT ROAD

Remove 100' of Curb Per Side
Widen Nose of Curve 6' Per Side

10+00

9+80 18' ES

9+66 25' EP Reset Sign

9+75 Ameritech Cable

9+62 18' EP Reset DP

9+64 10' ES

9+57 29' EP Reset Sign

①

9+36 29' EP

Construction Signs,
Type "A"

9+00

① Road
Construction Ahead
In Accordance with
Standard Drawing
801-TCFD-06

Remove Existing
4' Shoulder

Place 4' shoulder
(See Sheet 6)

Construct Type "U"
Public Crossover
See Standard Drawing
610-PRCD-06

Place 12' Left
Turn Lane
(See Sheet 6)

8+06 8' ES T

8+00

MATCH LINE 7+78

Contract M-26106

Page 15

Fort Wayne District U.S. 31 and Airport Road Strip Map

STA 26+00 (1) (1)

1000' BREAK

16+00



Remove Existing
4' Shoulder

Place 4' shoulder
(See Sheet 6)

Place 12' Left
Turn Lane
(See Sheet 6)

15+00

250' BREAK

12+60

L 12+14 8' ES
12+00

INLET

11+50 CL MEDIAN

Construction Signs.
Type "A"

(1) Road
Construction Ahead
In Accordance with
Standard Drawing
801-TCFD-06

Construct Type "U"
Public Crossover
See Standard Drawing
610-PRCD-06

MATCH LINE 11+29

Contract M-26106

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Fort Wayne District
 U.S. 31 and C.R. 400 S
 Strip Map

MATCH LINE 3+66

2+85 8' ES II

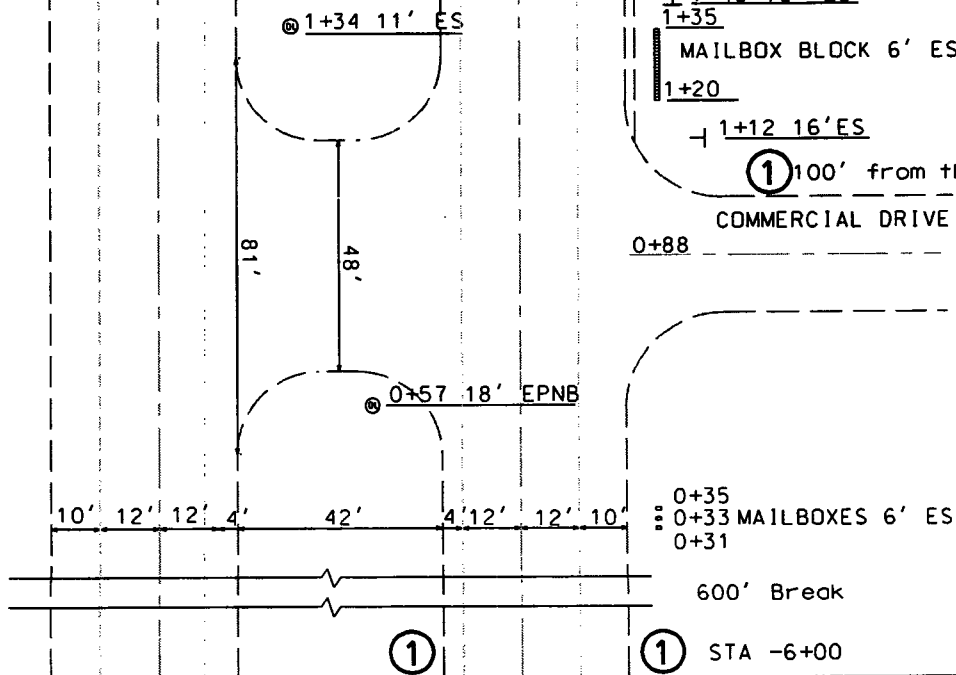
1 2+10 6' ES

Construction Signs,
 Type "A"

① Road
 Construction Ahead
 In Accordance with
 Standard Drawing
 801-TCFO-06

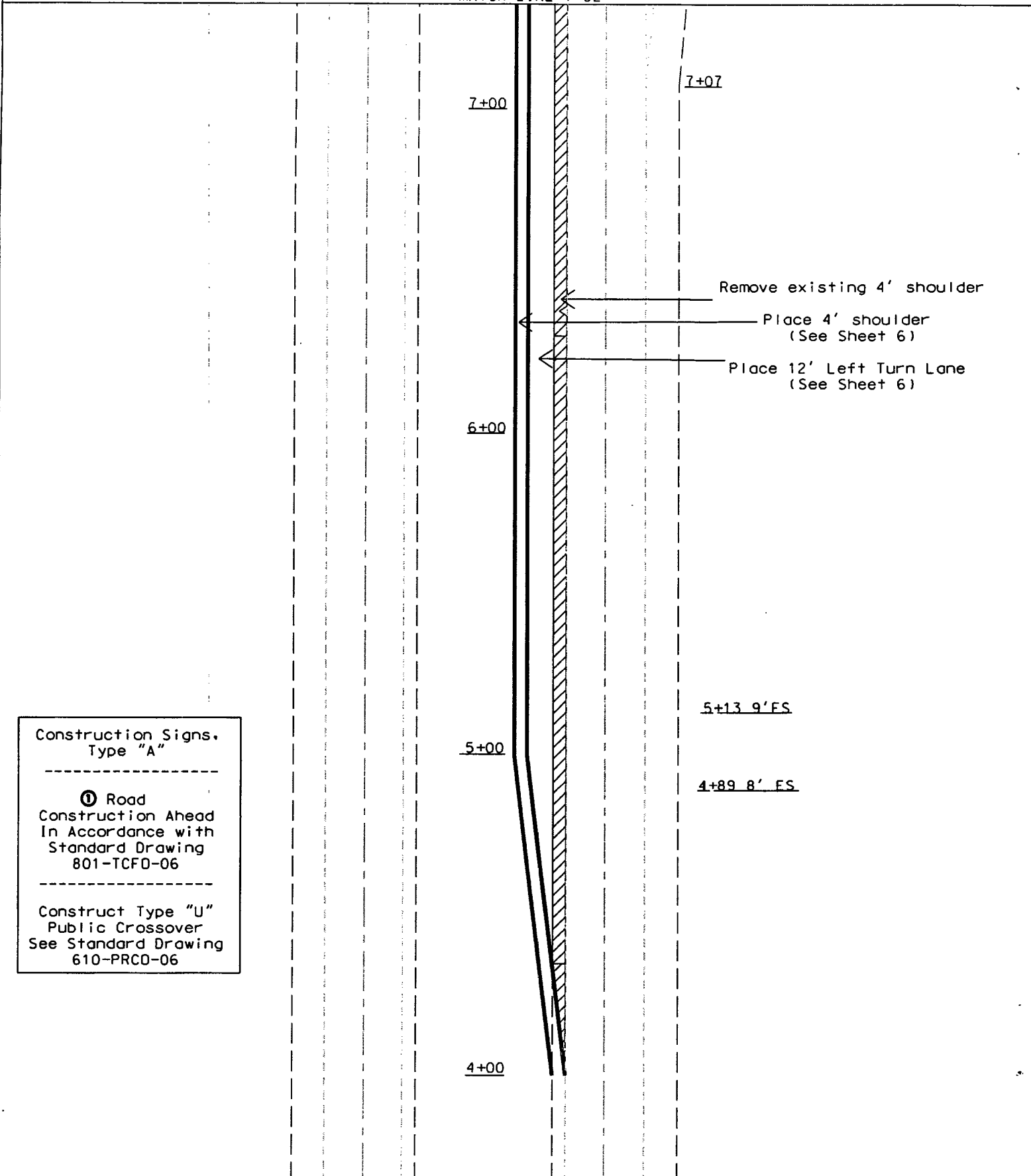
Construct Type "U"
 Public Crossover
 See Standard Drawing
 610-PRCO-06

1+50
 2' PAVED
 1+40 10' ES
 1+35
 MAILBOX BLOCK 6' ES
 1+20
 1+12 16' ES
 ① 100' from the ES of US 31
 COMMERCIAL DRIVE
 0+88



Fort Wayne District
U.S. 31 and C.R. 400 S
Strip Map

MATCH LINE 7+32



Construction Signs,
Type "A"

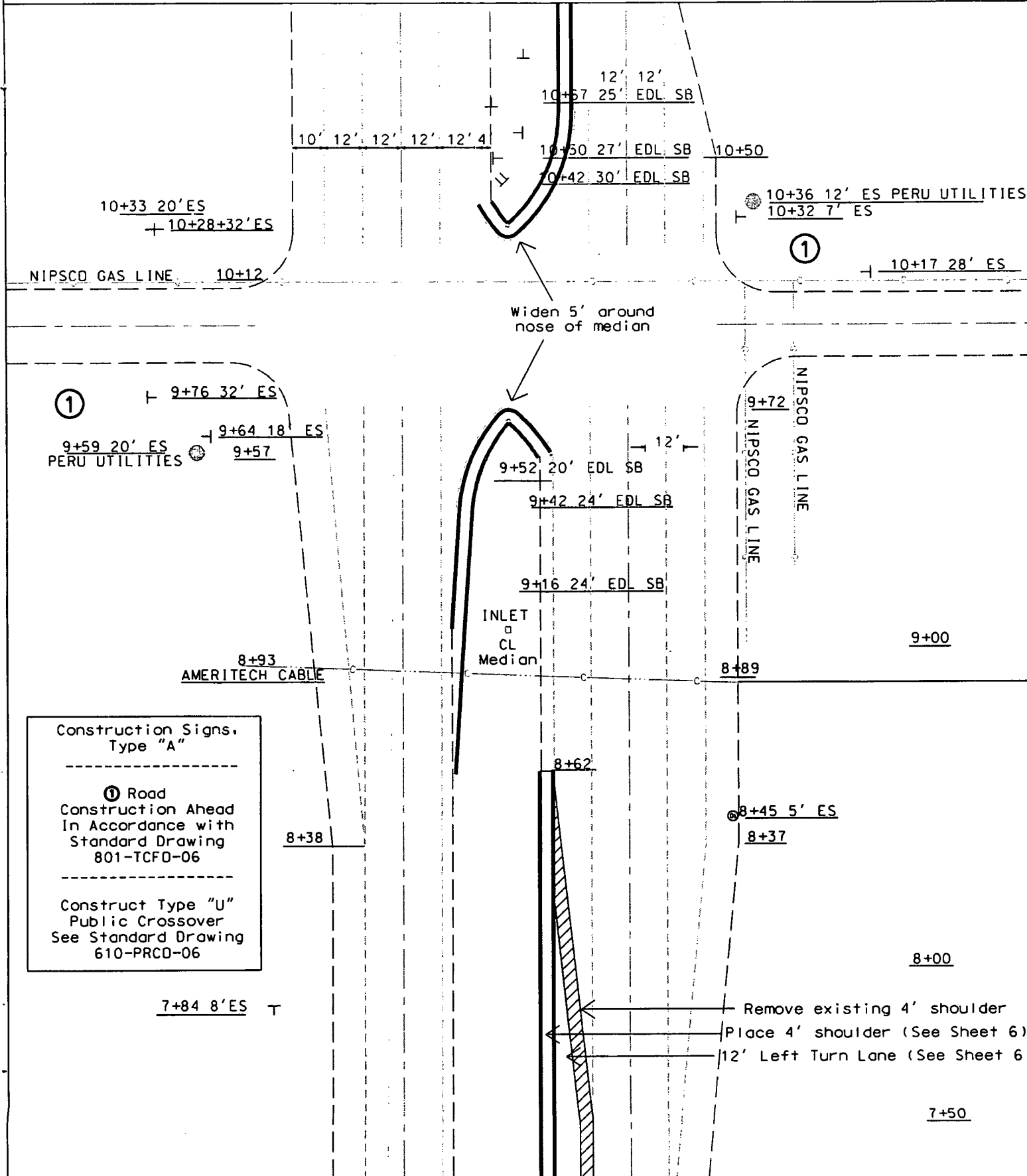
① Road
Construction Ahead
In Accordance with
Standard Drawing
801-TCFD-06

Construct Type "U"
Public Crossover
See Standard Drawing
610-PRCO-06

MATCH LINE 3+66
Contract M-26106
Page 18

Fort Wayne District
 U.S. 31 and C.R. 400 S
 Strip Map

MATCH LINE 10+98



MATCH LINE 7+32

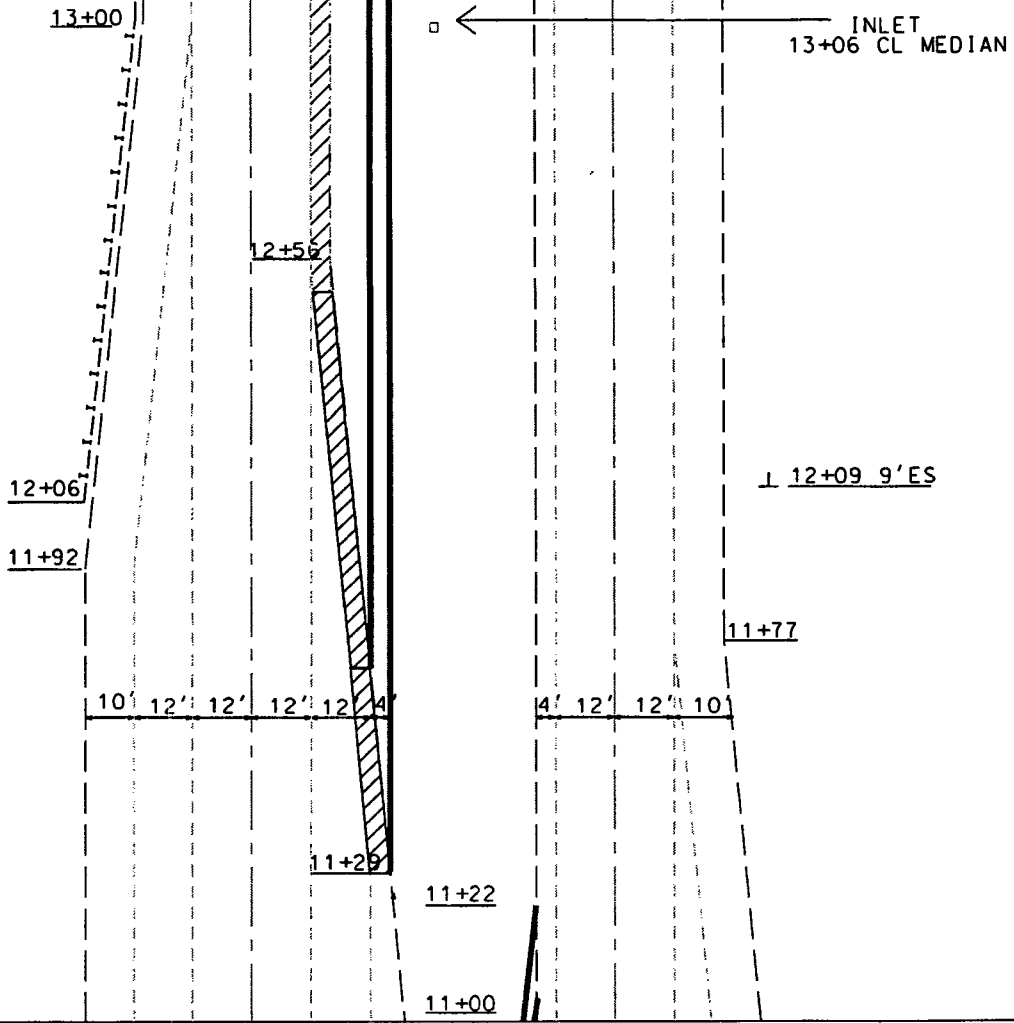
Contract M-26106

Page 19

Fort Wayne District
U.S. 31 and C.R. 400 S
Strip Map

MATCH LINE 14+64

Remove existing 4' shoulder
Place 4' shoulder
(See Sheet 6)
12' Left Turn Lane
(See Sheet 6)



MATCH LINE 10+98
Contract No. M-26106
Page 20

Fort Wayne District
U.S. 31 and C.R. 400 S
Strip Map

STA 26+00



900' Break Line

16+00

15+35 5' ES

15+15 5' ES

15+00

Construction Signs.
Type "A"

① Road
Construction Ahead
In Accordance with
Standard Drawing
801-TCFD-06

MATCH LINE 14+64
Contract No. M-26106
Page 21

Fort Wayne District
 U.S. 31 and 800 S
 Strip Map

STA 28+00

①

①

18+00

□
 17+87
 INLET
 C of Median

17+00

300' BREAK

Remove Existing 4' Shoulder

Place 4' Shoulder
 (See Sheet 6)

Place 12' Left Turn Lane
 (See Sheet 6)

13+00

1+71

10' 14' 11' 12.5' 12' 4'

10+27

GRISSOM AERODPLEX

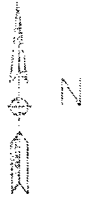
800 S

①

①

① STA 0+00

Construction Signs.
 Type "A"
 ①
 Road
 Construction Ahead
 In Accordance with
 Standard Drawing
 801-TCFO-06



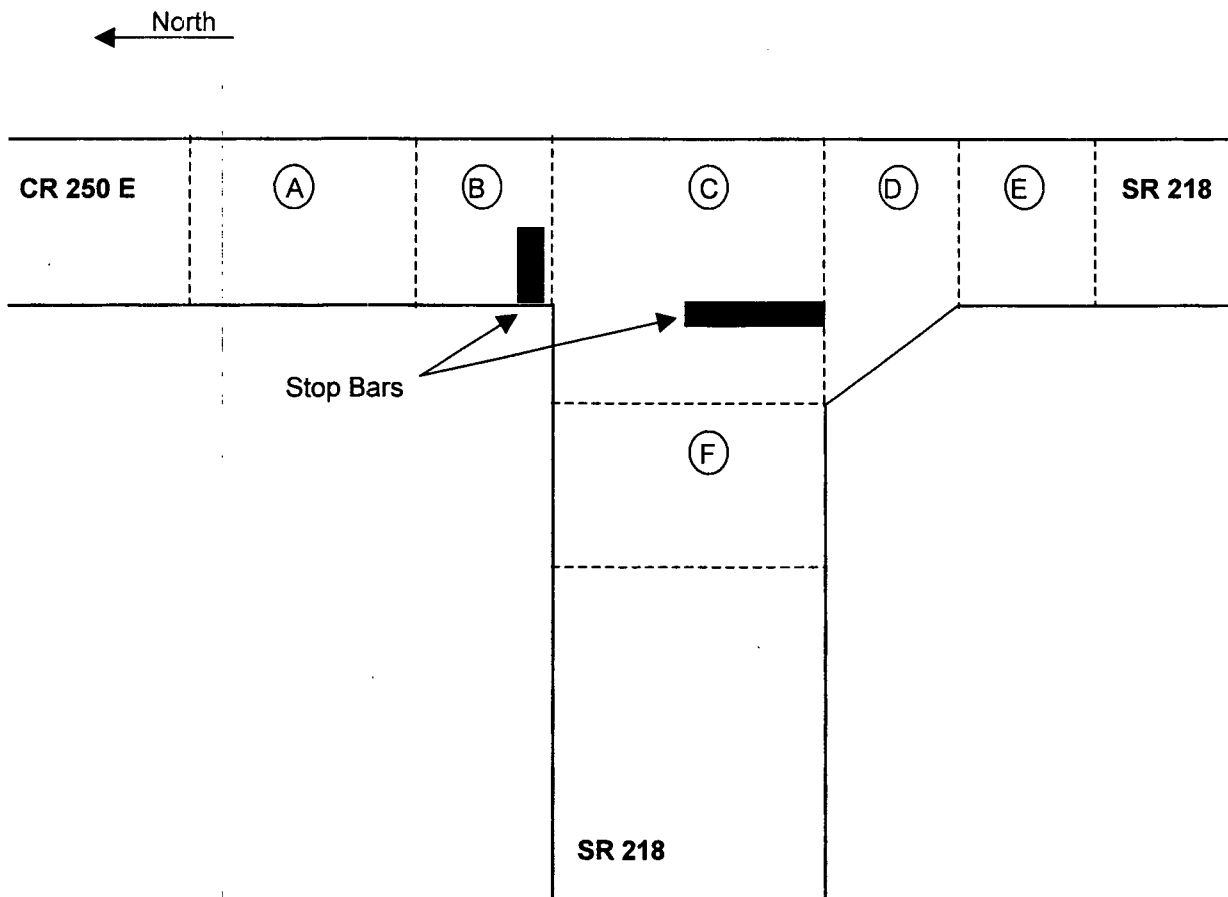
SR 218 Wedge and Level Quantities

Sta	Sta	Surf. Milling (Syd)	Surface (Ton)	Tack (Ton)	Dbl. Yellow (Feet)	Sol Yellow (Feet)	Yellow Skips (Feet)	Sol. White (Feet)	73's (Ton)	Temp. Tape (Feet)
94+00	102+00	244.4	208.40	0.4	1600			1600	39.12	80.00
118+35	120+50	244.4	51.10	0.1	430			430	10.51	24.00
131+00	148+50	244.4	410.10	0.8	3100			3100	75.79	156.00
154+00	162+00	244.4	208.40	0.4	1600			1600	39.12	80.00
166+00	174+00	244.4	208.40	0.4	1600			1600	39.12	80.00
178+50	192+00	244.4	356.30	0.7	2700			2700	66.01	136.00
210+00	213+00	244.4	74.00	0.2	600			600	14.67	32.00
217+00	219+00	244.4	47.10	0.1		200	50	400	9.78	20.00
232+00	238+00	244.4	100.90	0.2			100	800	19.56	40.00
240+00	243+00	244.4	74.00	0.2	600			600	14.67	32.00
249+50	252+50	244.4	74.00	0.2	600			600	14.37	32.00
256+00	264+00	244.4	208.40	0.4	1600			1600	39.12	80.00
301+00	306+00	244.4	127.80	0.3	1000			1000	24.45	52.00
310+00	315+00	244.4	127.80	0.3		290	130	1000	24.45	52.00
323+50	327+50	244.4	100.90	0.2	800			800	19.56	40.00
330+00	332+00	244.4	47.10	0.1	400			400	9.78	20.00
336+00	340+00	244.4	100.90	0.2	800			800	19.56	40.00
355+00	357+00	244.4	47.10	0.1	400			400	9.78	20.00
360+00	365+00	244.4	127.80	0.3	1000			1000	24.45	52.00
405+00	408+00	244.4	74.00	0.2		300	80	600	14.67	32.00
410+00	414+00	244.4	100.90	0.2	800			800	19.58	40.00
429+00	431+50	244.4	60.50	0.1	500			500	12.22	24.00
Cr. 250 E (see pg. 24)		366.6	99.60	0.1						
Undistributed:		5,743.40	3035.50	6.2	20,130.00	790	360	22,930.00	560.64	1164.00
Total Quantities:		1,150.00	614.50	1.3	4,026.00	158	72	4,586.00	112.20	233.00
		6,893.40	3650.00	7.5	24,156.00	948	432	27,516.00	672.84	1397.00

Also Required: 33 ft Thermoplastic Stop Line 24" (22' @ SR 218 and CR 600 E., 11' at Sta 429+25)

100' x 2' x 12" widening inside of curve at Station 430+00
HMA for Widening: 14.6 tons

SR 218 at CR 250 E - Wedge and Level Details



- (A) 22' x 50'
 Surface Milling 1"-0"
 Wedge and Level @ 220 #/syd
- (B) 22' x 25'
 Wedge and Level @ 220 #/syd
- (C) 22' x 53'
 Wedge and Level @ 220 #/syd
- (D) $((20+36)/2) \times 40$
 Wedge and Level @ 220 #/syd
- (E) 22' x 50'
 Surface Milling 1"-0"
 Wedge and Level @ 220 #/syd
- (F) 22' x 50'
 Surface Milling 1"-0"
 Wedge and Level @ 220 #/syd

Public Road Approaches

STATION	NAME	Measured Values			AREA (SYS)
		A (FT)	B (FT)	C (FT)	
55+75 RT	Angling Road**	42	16	20	55.11
56+55 LT	Gaboya Street	76	26	25	145.89
63+85 RT	Lincoln Street	53	26	26	114.11
65+47 RT	McCarty Lane**	16	19	13	30.61
65+47 LT	McCarty Lane**	34	14	13	36.56
67+00 RT	West Street	43	23	29	92.00
67+00 LT	West Street	39	26	17	80.89
69+35 LT	Alley	27	18	9	36.00
71+11 RT	Elm Street	39	5	31	19.44
71+11 LT	Elm Street	39	11	36	45.83
77+82 LT	Vine Street	53	13	26	57.06
82+60 RT	Market Street	33	7	27	23.33
82+83 RT	Railroad Street	24	10	22	25.56
85+95 LT	Water Street	48	17	19	63.28
85+95 RT	Water Street	43	15	22	54.17
89+31 LT	John Street	45	34	17	117.11
92+34 RT	Washington Street	26	8	19	20.00

Total Area: 1017 sys

**Unimproved Approach

Use: 165 lb/sys HMA Surface, 9.5mm, Mainline (For Improved and Unimproved Approaches)
 990 lb/sys HMA Base, 25.0mm, Mainline (For Unimproved Approaches)

QUANTITIES:

84 Ton Surface (To be paid for as HMA for Approaches)
61 Ton Base (To be paid for as HMA for Widening)

Mill Mainline and Approaches

Minor Approaches

Mailbox Approaches

	Quantity	Area/each (sys)	Total Area (sys)
Ingress - Improved	5	137	77
Egress - Improved	7	75	58
Regular - Improved	0	103	0
Ingress - Unimproved	2	137	30
Egress - Unimproved	3	75	25
Regular - Unimproved	4	103	412

Driveway Approaches

	Quantity	Length (ft)	Total Area (sys)
Private Drives - Improved	16	60	320
Private Drives - Unimproved	13	60	260
Commercial Drives - Improved	13	100	434
Commercial Drives - Unimproved	9	100	300
Field Entrances	1	60	20

<u>Total Areas:</u>	
Improved:	889 sys
Unimproved:	1047 sys
	<u>1936 sys</u>

Improved Approaches

Use: 165 lb/sys HMA Surface, 9.5mm, Mainline

Unimproved Private/Mailbox Approaches

Use: 165 lb/sys HMA Surface, 9.5mm, Mainline
275 lb/sys HMA Intermediate, 19.0mm, Mainline

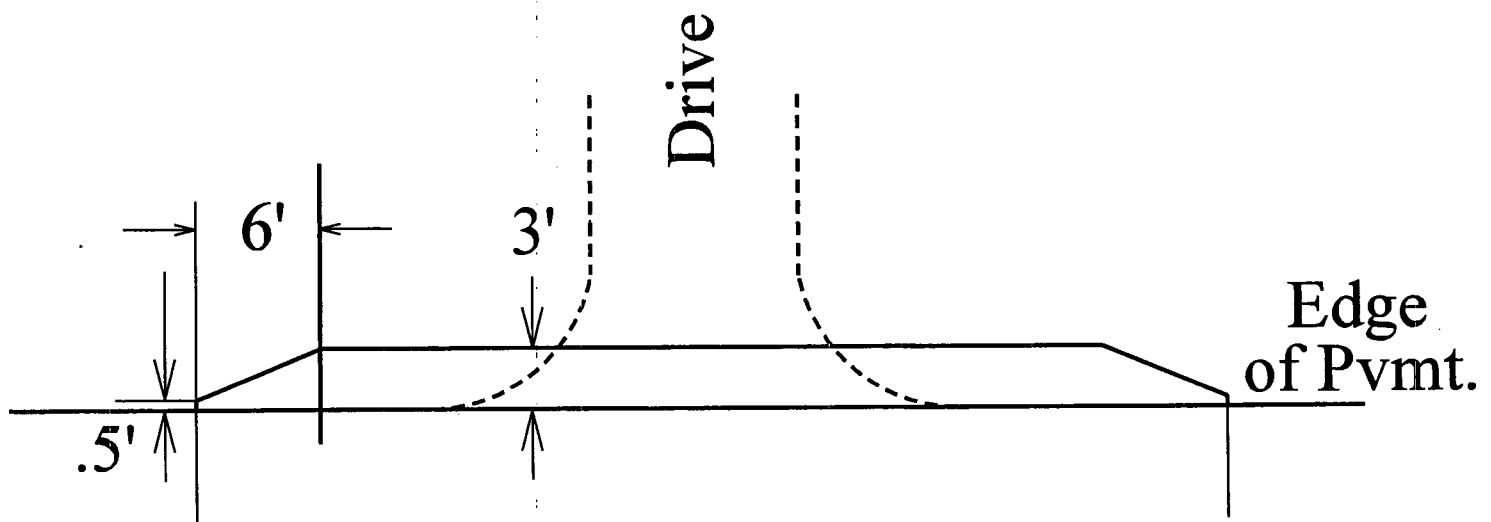
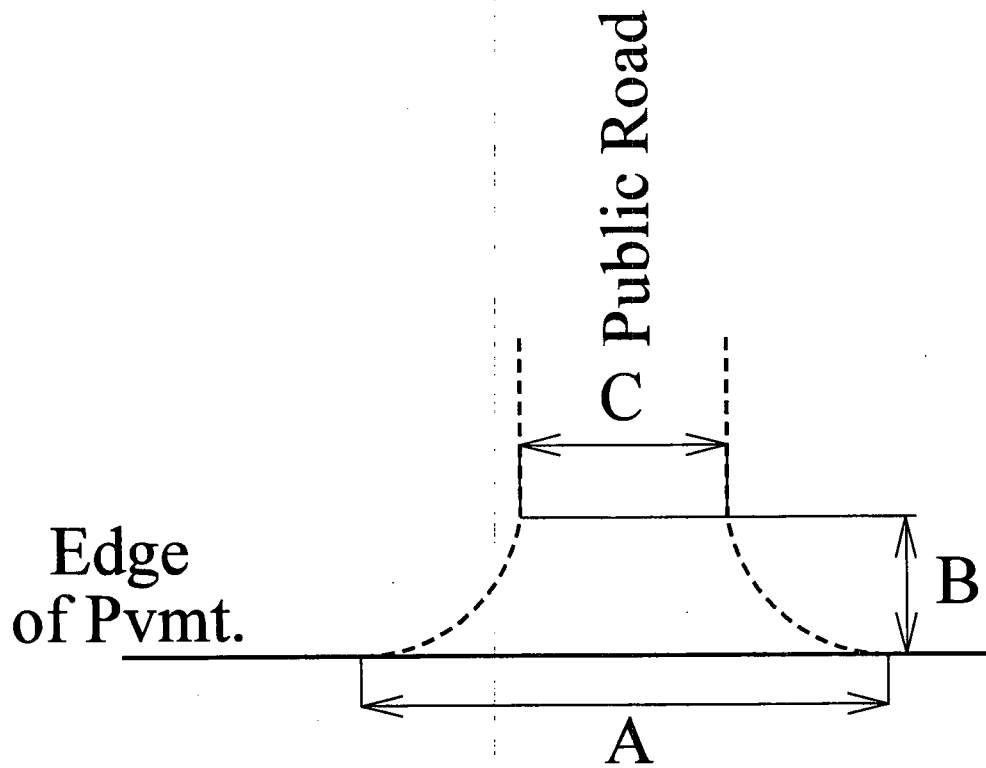
Unimproved Commercial Approaches

Use: 165 lb/sys HMA Surface, 9.5mm, Mainline
275 lb/sys HMA Intermediate, 19.0mm, Mainline
440 lb/sys Compacted Aggregate Base, O, 53

QUANTITIES:

	160	Ton Surface
	144	Ton Intermediate
Total Asphalt:	304	Ton (To be paid for as HMA for Approaches)
Total Aggregate:	70.5	Ton (To be paid for as Compacted Aggregate Base)

Fort Wayne District SR-218 Asphalt Resurface



Private Drive: 50'-60'
Commercial Drive: 60'-100'

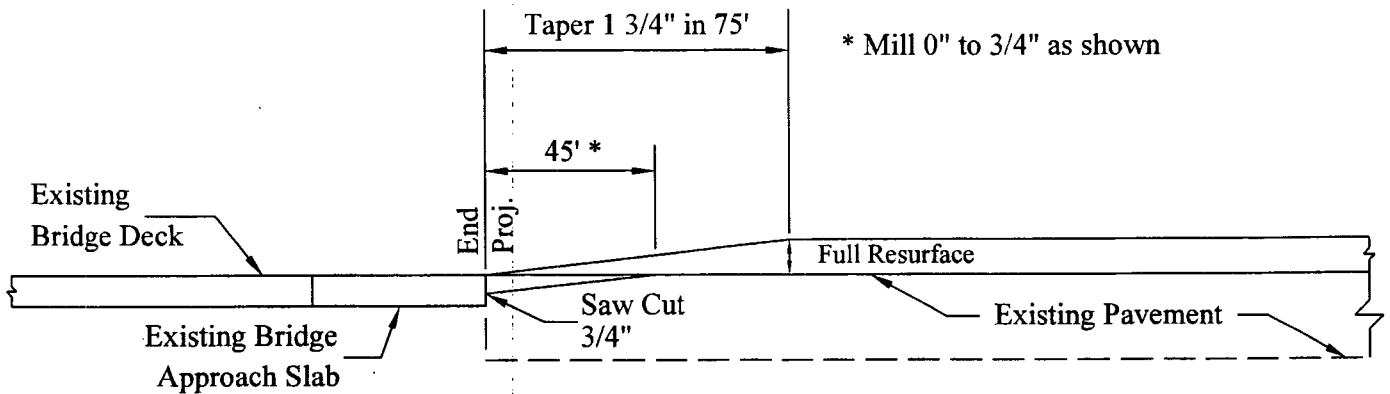
Contract No. M-26106

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Castings

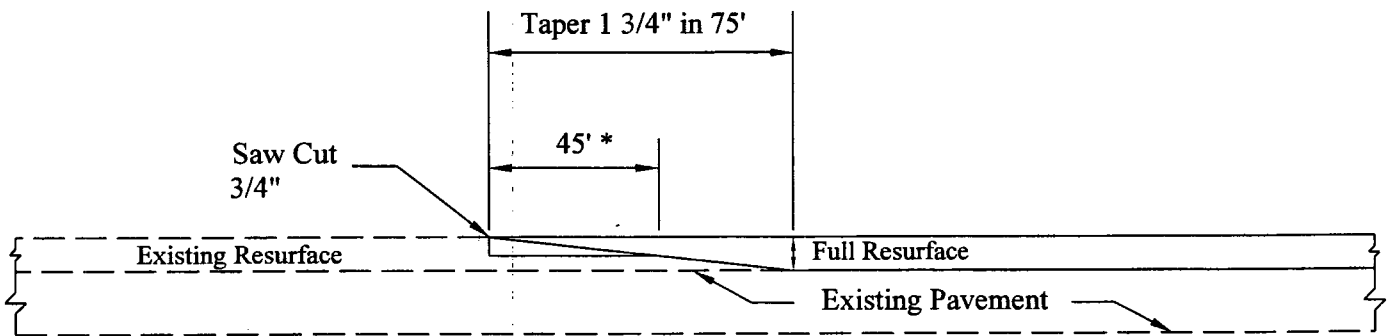
Type	Location	Offset	Notes
Water Valve	63+77	27' RT	Lincoln Street Approach
Water Valve	63+85	22' RT	Lincoln Street Approach
Water Valve	66+74	12' RT	
Round Manhole	66+81	20' RT	Adjust to Grade
Manhole	66+91	15' LT	Adjust to Grade/West Street Approach
Manhole	69+35	13' LT	Adjust to Grade
Water Valve	70+66	9' RT	
Water Valve	71+14	14' RT	
Water Valve	71+18	14' RT	
Water Valve	71+19	17' RT	
Monitoring Well	71+26	18' RT	
Monitoring Well	71+87	19' RT	
Manhole	77+17	5' LT	
Water Valve	77+79	14' LT	Adjust to Grade/Vine Street Approach
Manhole	77+91	5' LT	
Round Catch Basin	79+28	10' RT	Adjust to Grade
Round 21" Beehive Inlet	79+28	13' RT	Replace Casting with Neenah Series R-4370 or Equivalent
Manhole	80+35	6' LT	
Water Valve	80+79	11' RT	
Round 21" Beehive Catch Basin	82+41	14' RT	Replace Casting with Neenah Series R-4370 or Equivalent
Manhole	82+50	5' LT	
Water Valve	82+55	22' RT	Market Street Approach
Round Catch Basin	82+72	12' RT	Adjust to Grade/Railroad Street Approach
Manhole	86+05	16' RT	Adjust to Grade/Water Street Approach
Manhole	89+25	0	Adjust to Grade

TYPICAL FEATHERING DETAIL



FOR TERMINUS AT BRIDGE

The wedge shall be a continuation of the bridge deck profile for the distance shown, then shall be tapered uniformly as shown. The pavement relief joint shall be placed at the first transverse pavement joint beyond the limits of the wedge otherwise directed



FOR TERMINUS AT EXISTING RESURFACE