PROJECT	DESIGNATION
0500526	0500526
CONTRACT	
IR-29162	

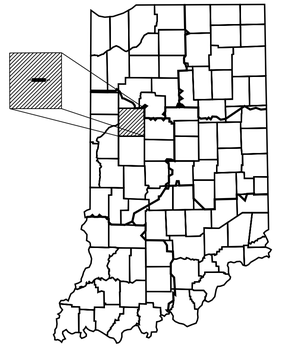
INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

ROUTE: SR 26 AT: RP 38 + 08

PROJECT NO. 0500526 CN

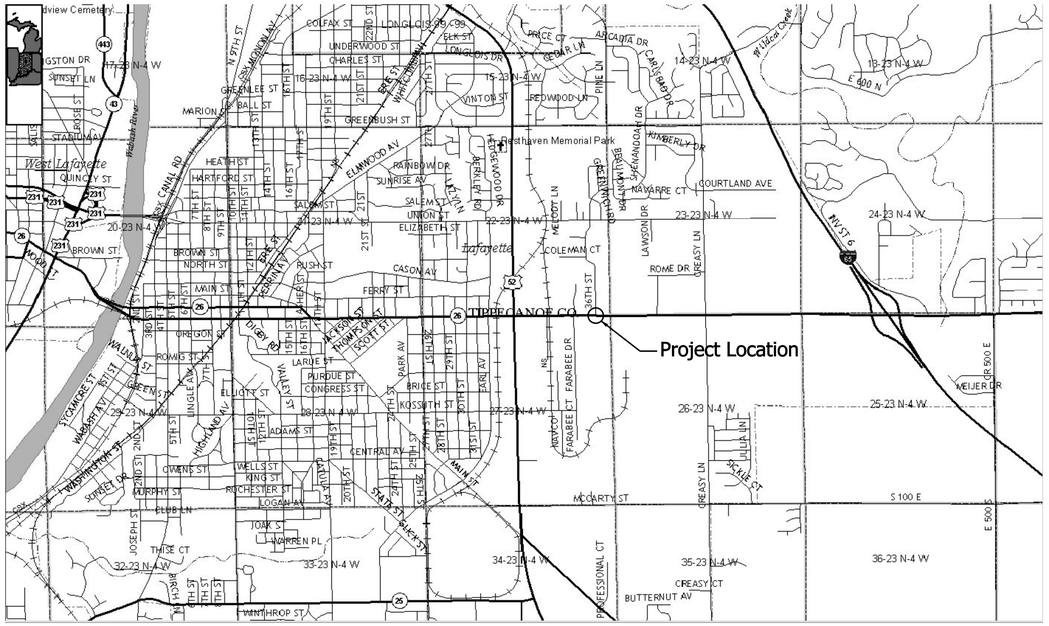
TRAFFIC DATA		36th STREET	
A.A.D.T.	(2007)	3110	V.P.D.
A.A.D.T.	(2027)	4350	V.P.D.
D.H.V	(2027)	7	%
DIRECTIONAL DISTRIBUTION		50	%
TRUCKS		14	A.A.D.T.
		23	D.H.V.
DESIGN DATA			
DESIGN SPEED		25	M.P.H.
PROJECT DESIGN CRITERIA			3R
FUNCTIONAL CLASSIFICATION			LOCAL STREET
RURAL/URBAN			URBAN
TERRAIN			LEVEL
ACCESS CONTROL			NONE



PROJECT LOCATION SHOWN BY —

Tippecanoe County

PROJECT DESCRIPTION
RADII IMPROVEMENT ON 36TH STREET
AT SR 26, 0.43 MILE EAST OF US 52,
SECTION 22, T-23-N, R-4-W
IN LAFAYETTE, TIPPECANOE COUNTY.



Scale: 1" = 2000'

Gross Length: 98.72 ft (0.019 mi)

Net Length: 98.72 ft (0.019 mi)

Maximum Grade: 2.00%

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2008
TO BE USED WITH THESE PLANS

MICHAEL A. HOY
REGISTERED
No. 10300004
STATE OF INDIANA
PROFESSIONAL ENGINEER

PLANS PREPARED BY: KRISTINE M. THOMAS 317-233-2064
PHONE NUMBER

CERTIFIED BY: Michael A. Hoy 2007.12.27 18:40:56 -05'00'
DATE

APPROVED FOR LETTING:
DATE

DESIGNATION	
0500526	

SURVEY BOOK	SHEETS
	1 of 15
CONTRACT	PROJECT
IR-29162	0500526

UTILITIES

Duke Energy 3395 Greenbush Lafayette, IN 47905 (765)446-4010	Verizon North Inc. 3216 Imperial Parkway Lafayette, IN 47909 (765)423-3587	City of Lafayette 20 North 6th Street Lafayette, IN 47901 (765)807-1045
Vectren Energy 1250 S. Creasy Lane Lafayette, IN 47905 (765)449-5668	Insight Communications 325 South Creasy Lane Lafayette, IN 47905 (765)447-9488	

GENERAL NOTES

All earth shoulders, median areas, and cut and fill slopes shall be sodded

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX SHEET
3	TYPICAL SECTION
4	MAINTENANCE OF TRAFFIC TYPICAL SECTION
5-9	MAINTENANCE OF TRAFFIC
10	PLAN AND PROFILE
11	CONSTRUCTION DETAIL
12	CONCRETE JOINT DETAIL
13	TRAFFIC SIGNAL DETAIL
14	ROAD SUMMARY OF QUANTITIES
15	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Michael A. Hoy 2007.12.27 18:41:27 -05'00'

DESIGN ENGINEER DATE

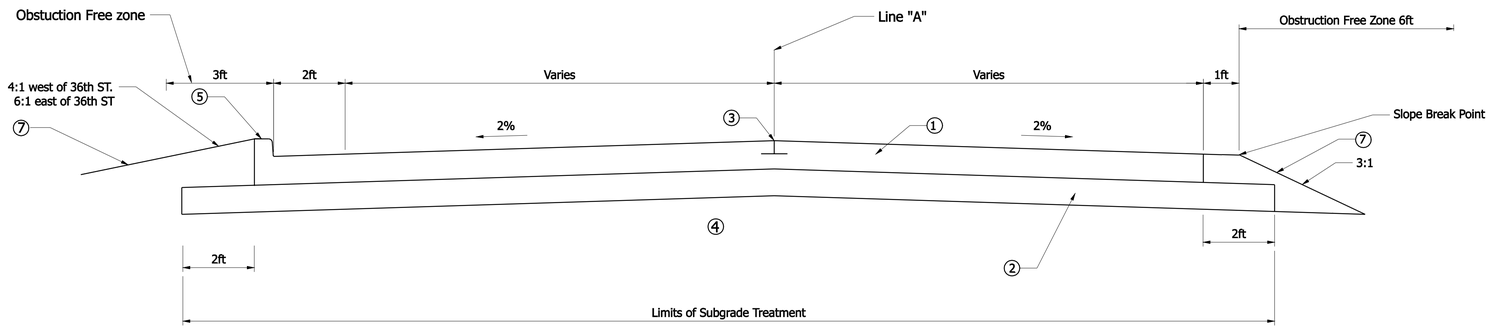
DESIGNED: KMT Mar07 DRAWN: KMT Mar07

CHECKED: MAH Apr07 CHECKED: MAH Apr07

INDIANA DEPARTMENT OF TRANSPORTATION

INDEX SHEET

SCALE	
N/A	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	2 of 15
CONTRACT	PROJECT
IR-29162	0500526



Left side shows typical section with curb.

TYPICAL SECTION 36th Street

½" = 1'-0

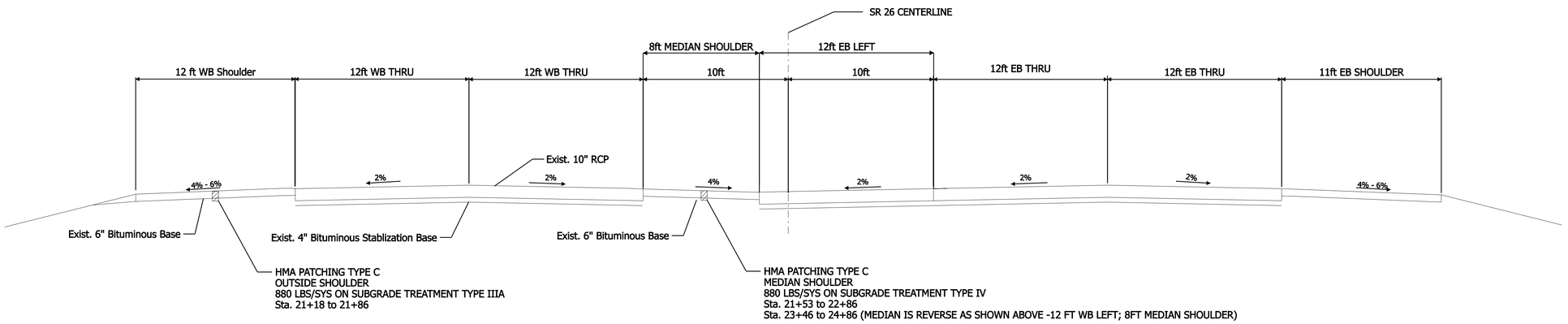
Sta. 50+31.276 "A" to Sta. 51+30 "A"

Note: For limits of curb, see construction detail sheet.

Right side shows typical section without curb.

Mainline

1. 9.5 in. PCCP
2. Dense Graded Subbase for PCCP (6 in. Compacted Aggregate # 53)
3. Longitudinal Joint or Longitudinal Construction Joint
4. Subgrade Treatment Type IV (9 in. Coarse Aggregate # 53 on geogrid)
5. Integral Concrete Curb
6. Variable Depth Compacted Aggregate, # 53
7. Sodding



TYPICAL SECTION SR26 at 36th Street intersection

1/4 " = 1'-0

MICHAEL A. HOYT REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE: 2008.02.14 14:24:48 -05'00'

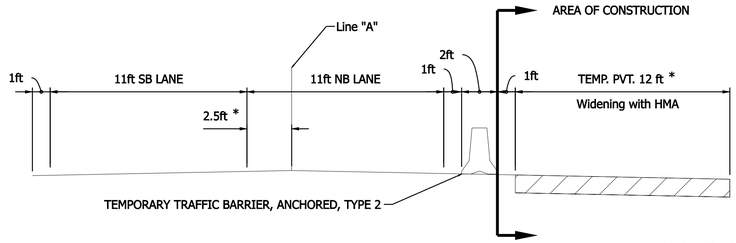
DESIGNED: KMT Dec07 | DRAWN: EAL Nov07

CHECKED: MAH Dec07 | CHECKED: MAH Dec07

INDIANA DEPARTMENT OF TRANSPORTATION

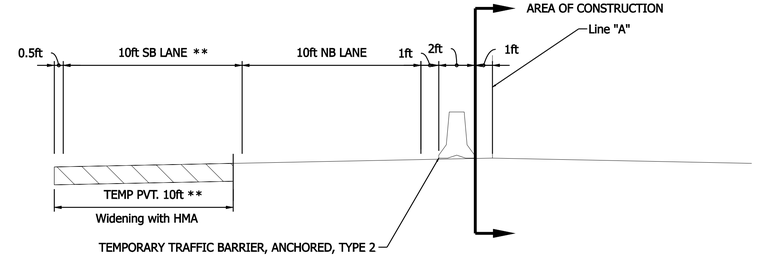
TYPICAL CROSS SECTIONS

SCALE	
AS NOTED	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	3 of 15
CONTRACT	PROJECT
IR-29162	0500526



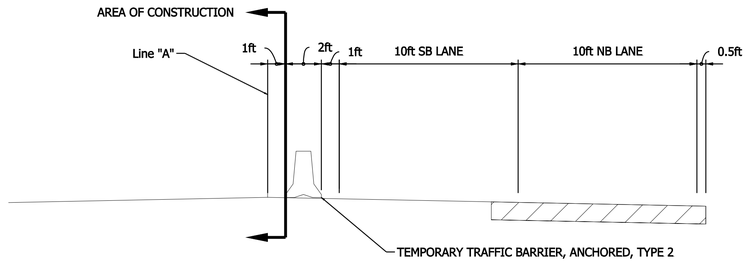
MAINTENANCE OF TRAFFIC 36TH ST
PHASE 1

* Varies - See MOT Phase 1 sheet for details

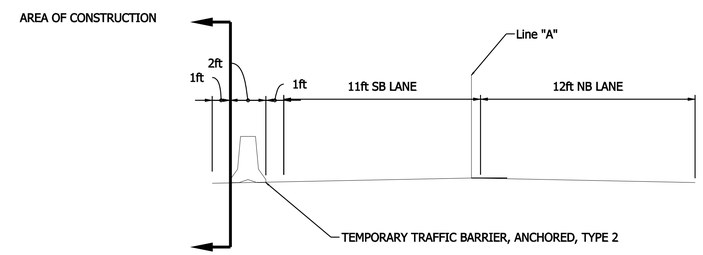


** Varies from 10 ft to 2 ft from Sta. 51+29 to 52+46

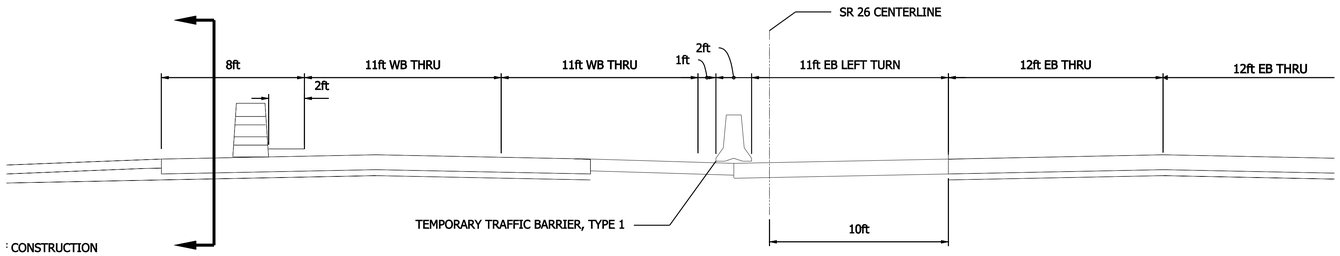
MAINTENANCE OF TRAFFIC 36TH ST
PHASE 3



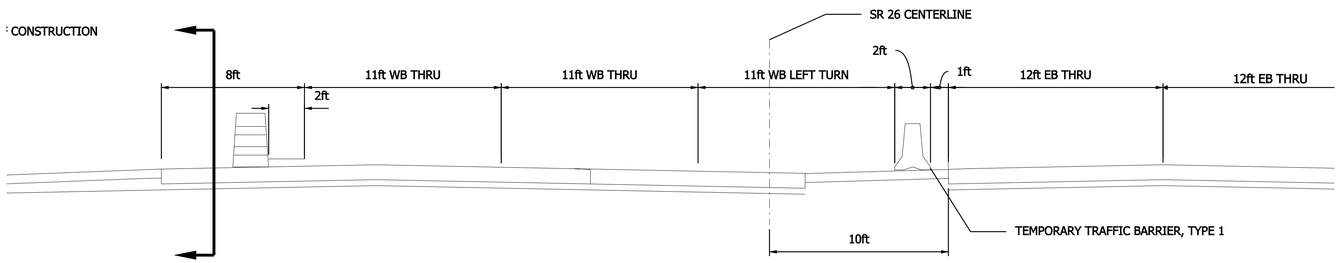
MAINTENANCE OF TRAFFIC 36TH ST
PHASE 2



MAINTENANCE OF TRAFFIC 36TH ST
PHASE 4



MAINTENANCE OF TRAFFIC SR26
PHASE 1 - 3
21+53 TO 22+86



MAINTENANCE OF TRAFFIC SR26
PHASE 1 - 3
23+46 TO 24+84

SR 26 Construction Zone Design Speed 35 MPH
36th Street Construction Zone Design Speed 25 MPH

LEGEND

- Remove Existing Pavement Markings
- Area of Construction
- Temporary Pavement
165 lb/sys HMA, Surface, Type A
275 lb/sys HMA, Intermediate, Type A
880 lbs/sys HMA, Base, Type A
Subgrade Treatment Type IIIA
- Temporary Traffic Barrier, Anchored, Type II
- Temporary Traffic Barrier, Type I
- Energy Absorbing Terminal
(Type CZ, TL-2)
- Temporary Barricade, Type III
- TP1 Temporary Pavement Marking, Removable, 4in., White, Solid
- TP2 Temporary Pavement Marking, Removable, 4in., Yellow, Solid
- TP3 Temporary Transverse Pavement Marking, Removable, 24in., White, Solid
- TP4 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- Indicates Traffic Flow

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

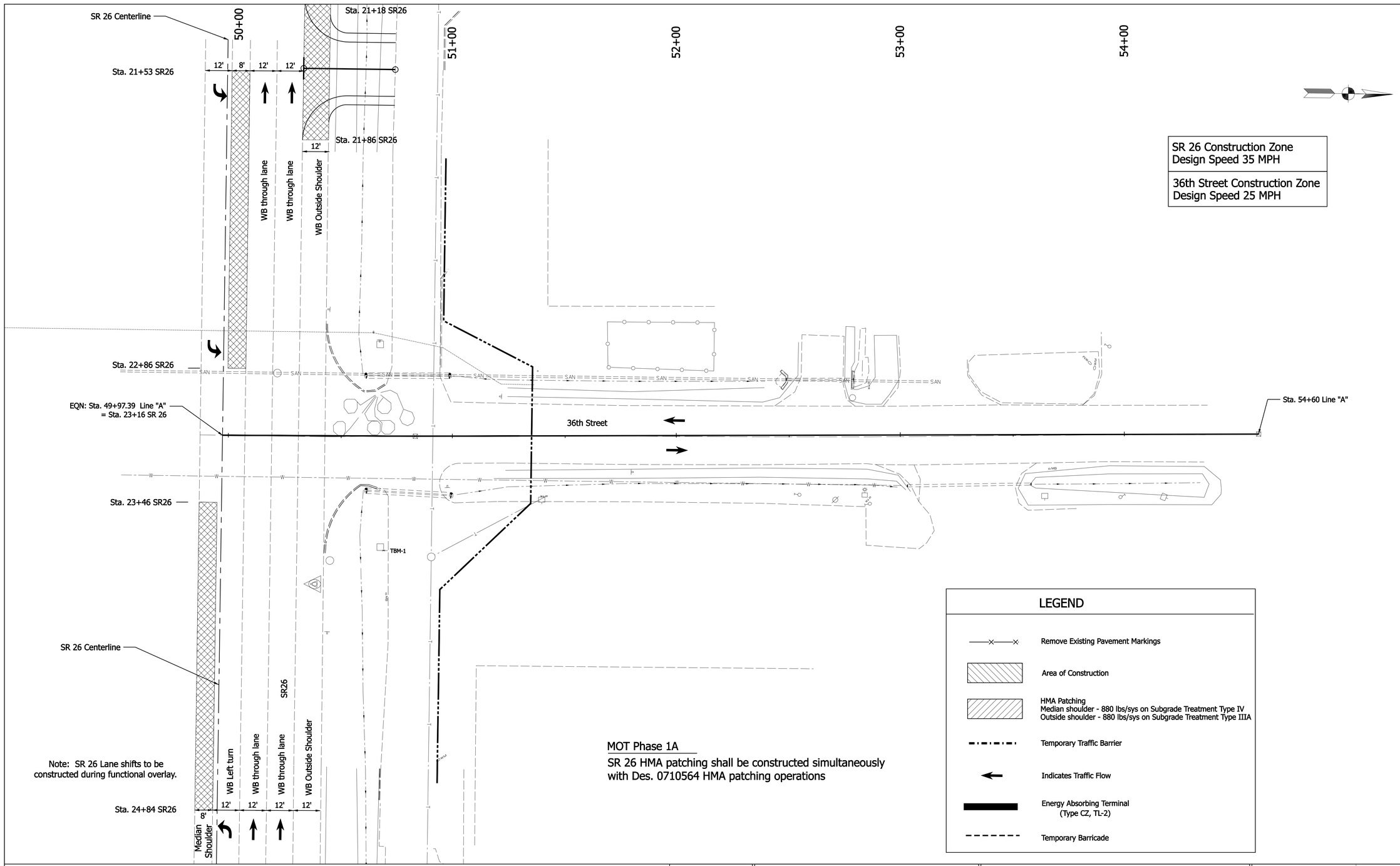
RECOMMENDED FOR APPROVAL Michael A. Hoy 2007.12.27 18:42:04 -05'00'
DESIGN ENGINEER DATE

DESIGNED: MAH Dec07 DRAWN: MAH Dec07
CHECKED: KMT Dec07 CHECKED: KMT Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE	BRIDGE FILE
⅛" = 1'-0	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	4 of 15
CONTRACT	PROJECT
IR-29162	0500526



MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Michael A. Hoy 2007.12.27 18:42:22 -05'00'

DESIGN ENGINEER DATE

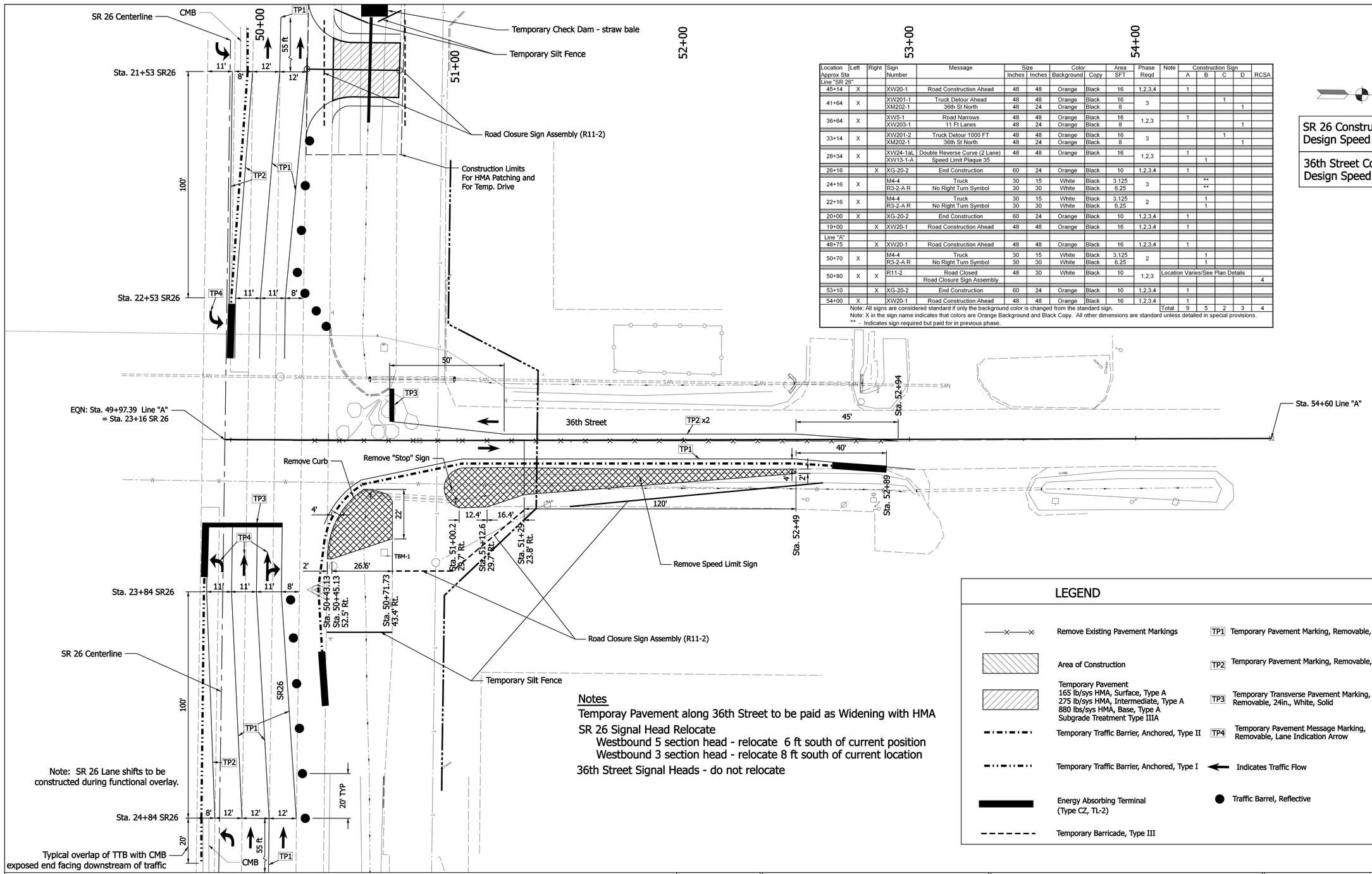
DESIGNED: KMT Dec07 DRAWN: KMT Dec07

CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 1A

SCALE	
1" = 20'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	5 of 15
CONTRACT	PROJECT
IR-29162	0500526



Location Approx Sta	Left	Right	Sign Number	Message	Size Inches	Size Inches	Color Background	Color Copy	Area SFT	Phase Reqd	Note	Construction Sign A	B	C	D	RCSA
Line "SR 26"																
45+14	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
41+64	X		XW201-1	Truck Detour Ahead	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
36+64	X		XW5-1	Road Narrows	48	48	Orange	Black	16	1,2,3		1				
			XW203-1	11 Ft Lanes	48	24	Orange	Black	8						1	
33+14	X		XW201-2	Truck Detour 1000 FT	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
28+34	X		XW24-1aL	Double Reverse Curve (2 Lane)	48	48	Orange	Black	16	1,2,3		1				
			XW13-1-A	Speed Limit Plaque 35									1			
26+16		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
24+16	X		M4-4	Truck	30	15	White	Black	3.125	3			**			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				**			
22+16	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
20+00	X		XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
19+00		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
Line "A"																
48+75		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
50+70	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
50+80	X	X	R11-2	Road Closed	48	30	White	Black	10	1,2,3	Location Varies/See Plan Details					
				Road Closure Sign Assembly												4
53+10		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
54+00	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
											Total	9	5	2	3	4

Note: All signs are considered standard if only the background color is changed from the standard sign.
Note: X in the sign name indicates that colors are Orange Background and Black Copy. All other dimensions are standard unless detailed in special provisions.
** - Indicates sign required but paid for in previous phase.

SR 26 Construction Zone
Design Speed 35 MPH

36th Street Construction Zone
Design Speed 25 MPH

Notes

Temporay Pavement along 36th Street to be paid as Widening with HMA

SR 26 Signal Head Relocate
- Westbound 5 section head - relocate 6 ft south of current position
- Westbound 3 section head - relocate 8 ft south of current location

36th Street Signal Heads - do not relocate

LEGEND

- Remove Existing Pavement Markings
- Area of Construction
- Temporary Pavement 165 lb/sys HMA, Surface, Type A 275 lb/sys HMA, Intermediate, Type A 880 lbs/sys HMA, Base, Type A Subgrade Treatment Type IIIA
- Temporary Traffic Barrier, Anchored, Type II
- Temporary Traffic Barrier, Anchored, Type I
- Energy Absorbing Terminal (Type CZ, TL-2)
- Temporary Barricade, Type III
- TP1 Temporary Pavement Marking, Removable, 4in., White, Solid
- TP2 Temporary Pavement Marking, Removable, 4in., Yellow, Solid
- TP3 Temporary Transverse Pavement Marking, Removable, 24in., White, Solid
- TP4 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- Indicates Traffic Flow
- Traffic Barrel, Reflective

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE: 2008.02.14 13:10:11 -05'00'

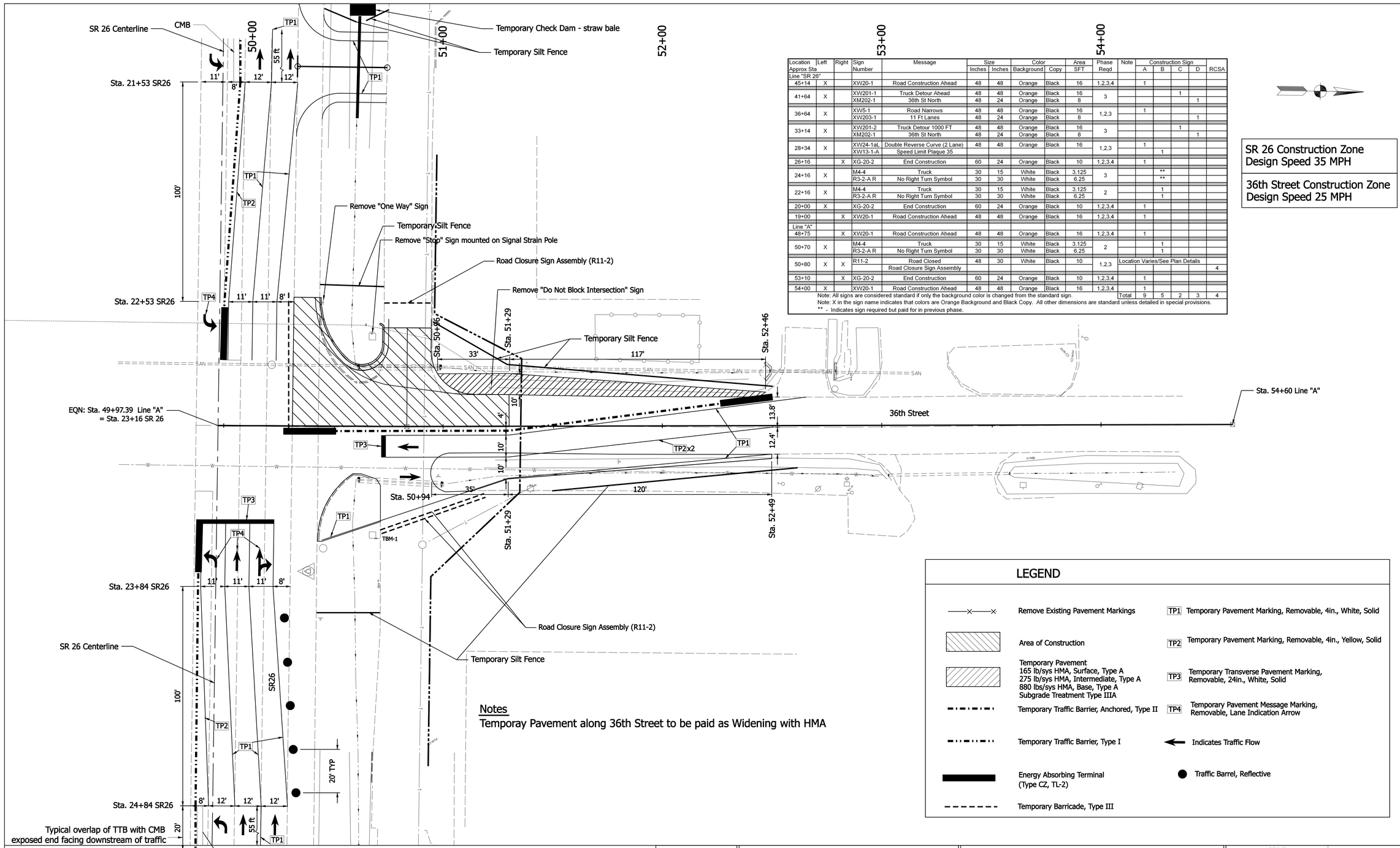
DESIGNED: KMT Dec07 — DRAWN: KMT Dec07

CHECKED: MAH Dec07 — CHECKED: MAH Dec07

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE 1

SCALE	
1" = 20'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	6 of 15
CONTRACT	PROJECT
IR-29162	0500526



Location	Left	Right	Sign	Message	Size		Color		Area	Phase	Note	Construction Sign				
Approx Sta			Number		Inches	Inches	Background	Copy	SFT	Reqd		A	B	C	D	RCSA
Line "SR 26"																
45+14	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
41+64	X		XW201-1	Truck Detour Ahead	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
36+64	X		XW5-1	Road Narrows	48	48	Orange	Black	16	1,2,3		1				
			XW203-1	11 Ft Lanes	48	24	Orange	Black	8						1	
33+14	X		XW201-2	Truck Detour 1000 FT	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
28+34	X		XW24-1aL	Double Reverse Curve (2 Lane)	48	48	Orange	Black	16	1,2,3		1				
			XW13-1-A	Speed Limit Plaque 35										1		
26+16		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
24+16	X		M4-4	Truck	30	15	White	Black	3.125	3			**			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				**			
22+16	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
20+00	X		XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
19+00		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
Line "A"																
48+75		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
50+70	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
50+80	X	X	R11-2	Road Closed	48	30	White	Black	10	1,2,3	Location Varies/See Plan Details					
				Road Closure Sign Assembly												4
53+10		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
54+00	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
											Total	9	5	2	3	4

Note: All signs are considered standard if only the background color is changed from the standard sign.
Note: X in the sign name indicates that colors are Orange Background and Black Copy. All other dimensions are standard unless detailed in special provisions.
** - Indicates sign required but paid for in previous phase.

SR 26 Construction Zone
Design Speed 35 MPH

36th Street Construction Zone
Design Speed 25 MPH

Notes

Temporay Pavement along 36th Street to be paid as Widening with HMA

LEGEND

- Remove Existing Pavement Markings
- Area of Construction
- Temporary Pavement
  165 lb/sys HMA, Surface, Type A
  275 lb/sys HMA, Intermediate, Type A
  880 lbs/sys HMA, Base, Type A
  Subgrade Treatment Type IIIA
- Temporary Traffic Barrier, Anchored, Type II
- Temporary Traffic Barrier, Type I
- Energy Absorbing Terminal (Type CZ, TL-2)
- Temporary Barricade, Type III
- TP1 Temporary Pavement Marking, Removable, 4in., White, Solid
- TP2 Temporary Pavement Marking, Removable, 4in., Yellow, Solid
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- TP4 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- Indicates Traffic Flow
- Traffic Barrel, Reflective

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

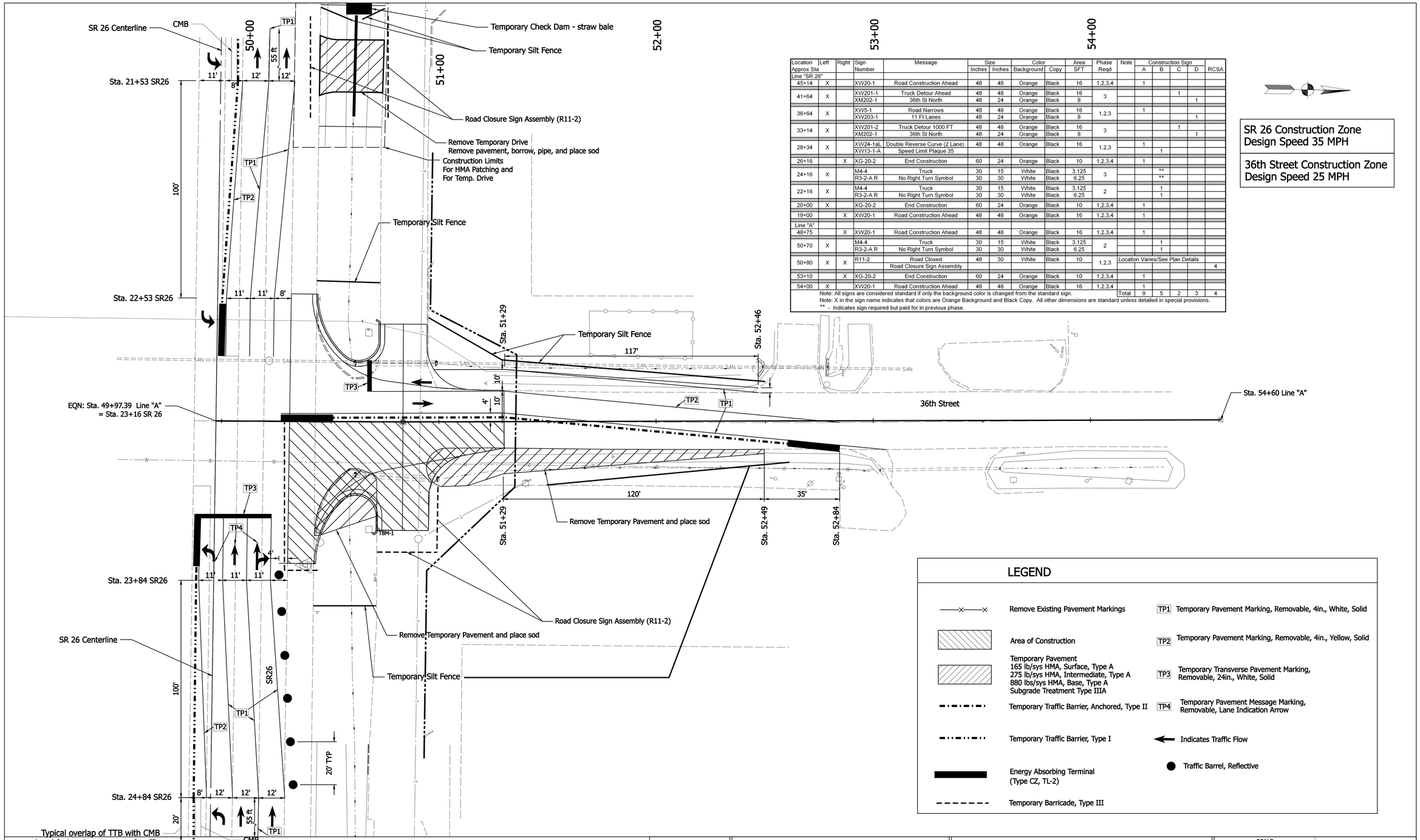
RECOMMENDED FOR APPROVAL Michael A. Hoy 2008.02.14 13:09:54 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 2

SCALE	
1" = 20'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	7 of 15
CONTRACT	PROJECT
IR-29162	0500526



Location Approx Sta	Left	Right	Sign Number	Message	Size Inches	Size Inches	Color Background	Color Copy	Area SFT	Phase Reqd	Note	Construction Sign A	B	C	D	RCSA
Line "SR 26"																
45+14	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
41+64	X		XW201-1	Truck Detour Ahead	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
36+64	X		XW5-1	Road Narrows	48	48	Orange	Black	16	1,2,3		1				
			XW203-1	11 Ft Lanes	48	24	Orange	Black	8						1	
33+14	X		XW201-2	Truck Detour 1000 FT	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
28+34	X		XW24-1aL	Double Reverse Curve (2 Lane)	48	48	Orange	Black	16	1,2,3		1				
			XW13-1-A	Speed Limit Plaque 35									1			
26+16		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
24+16	X		M4-4	Truck	30	15	White	Black	3.125	3			**			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				**			
22+16	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
20+00	X		XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
19+00		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
Line "A"																
48+75		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
50+70	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
50+80	X	X	R11-2	Road Closed	48	30	White	Black	10	1,2,3	Location Varies/See Plan Details					
				Road Closure Sign Assembly												4
53+10		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
54+00	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
											Total	9	5	2	3	4

Note: All signs are considered standard if only the background color is changed from the standard sign.
Note: X in the sign name indicates that colors are Orange Background and Black Copy. All other dimensions are standard unless detailed in special provisions.
** - Indicates sign required but paid for in previous phase.

SR 26 Construction Zone
Design Speed 35 MPH

36th Street Construction Zone
Design Speed 25 MPH

LEGEND

- Remove Existing Pavement Markings
- Area of Construction
- Temporary Pavement
  165 lb/sys HMA, Surface, Type A
  275 lb/sys HMA, Intermediate, Type A
  880 lbs/sys HMA, Base, Type A
  Subgrade Treatment Type IIIA
- Temporary Traffic Barrier, Anchored, Type II
- Temporary Traffic Barrier, Type I
- Energy Absorbing Terminal
  (Type CZ, TL-2)
- Temporary Barricade, Type III
- TP1 Temporary Pavement Marking, Removable, 4in., White, Solid
- TP2 Temporary Pavement Marking, Removable, 4in., Yellow, Solid
- TP3 Temporary Transverse Pavement Marking, Removable, 24in., White, Solid
- TP4 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- Indicates Traffic Flow
- Traffic Barrel, Reflective

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

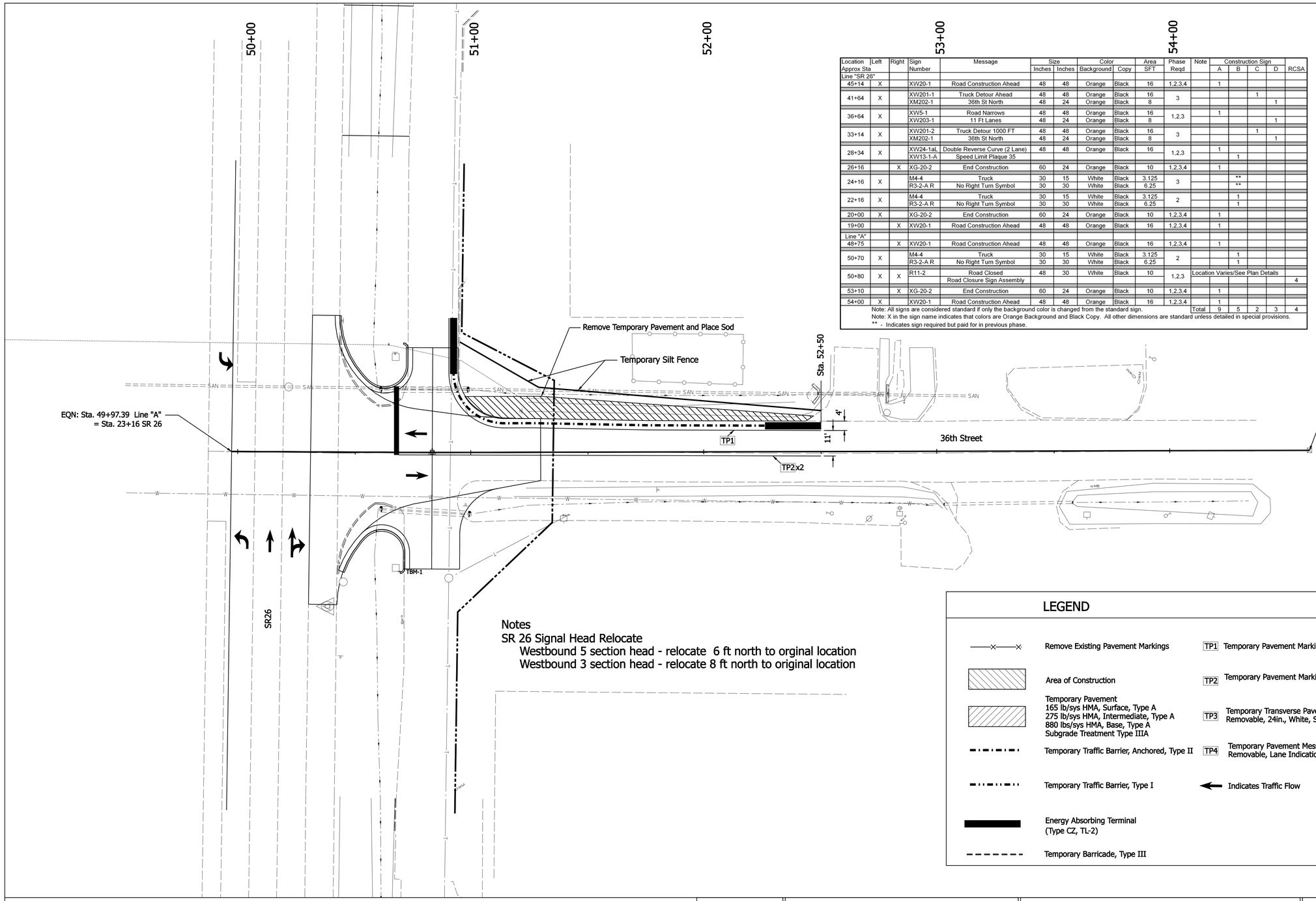
RECOMMENDED FOR APPROVAL Michael A. Hoy 2008.02.14 13:09:40 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 3

SCALE	
1" = 20'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	8 of 15
CONTRACT	PROJECT
IR-29162	0500526



Location	Left	Right	Sign	Message	Size		Color		Area	Phase	Note	Construction Sign				
Approx Sta			Number		Inches	Inches	Background	Copy	SFT	Reqd		A	B	C	D	RCSA
Line "SR 26"																
45+14	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
41+64	X		XW201-1	Truck Detour Ahead	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
36+64	X		XW5-1	Road Narrows	48	48	Orange	Black	16	1,2,3		1				
			XW203-1	11 Ft Lanes	48	24	Orange	Black	8						1	
33+14	X		XW201-2	Truck Detour 1000 FT	48	48	Orange	Black	16	3				1		
			XM202-1	36th St North	48	24	Orange	Black	8						1	
28+34	X		XW24-1aL	Double Reverse Curve (2 Lane)	48	48	Orange	Black	16	1,2,3		1				
			XW13-1-A	Speed Limit Plaque 35									1			
26+16		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
24+16	X		M4-4	Truck	30	15	White	Black	3.125	3			**			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				**			
22+16	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
20+00	X		XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
19+00		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
Line "A"																
48+75		X	XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
50+70	X		M4-4	Truck	30	15	White	Black	3.125	2			1			
			R3-2-A R	No Right Turn Symbol	30	30	White	Black	6.25				1			
50+80	X	X	R11-2	Road Closed	48	30	White	Black	10	1,2,3	Location Varies/See Plan Details					
				Road Closure Sign Assembly												4
53+10		X	XG-20-2	End Construction	60	24	Orange	Black	10	1,2,3,4		1				
54+00	X		XW20-1	Road Construction Ahead	48	48	Orange	Black	16	1,2,3,4		1				
Note: All signs are considered standard if only the background color is changed from the standard sign.											Total	9	5	2	3	4

Note: X in the sign name indicates that colors are Orange Background and Black Copy. All other dimensions are standard unless detailed in special provisions.
** - Indicates sign required but paid for in previous phase.

SR 26 Construction Zone
Design Speed 35 MPH

36th Street Construction Zone
Design Speed 25 MPH

Notes
SR 26 Signal Head Relocate
Westbound 5 section head - relocate 6 ft north to orginal location
Westbound 3 section head - relocate 8 ft north to original location

LEGEND

- Remove Existing Pavement Markings
- Area of Construction
- Temporary Pavement
  165 lb/sys HMA, Surface, Type A
  275 lb/sys HMA, Intermediate, Type A
  880 lbs/sys HMA, Base, Type A
  Subgrade Treatment Type IIIA
- Temporary Traffic Barrier, Anchored, Type II
- Temporary Traffic Barrier, Type I
- Energy Absorbing Terminal (Type CZ, TL-2)
- Temporary Barricade, Type III
- TP1 Temporary Pavement Marking, Removable, 4in., White, Solid
- TP2 Temporary Pavement Marking, Removable, 4in., Yellow, Solid
- TP3 Temporary Transverse Pavement Marking, Removable, 24in., White, Solid
- TP4 Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- Indicates Traffic Flow

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Michael A. Hoy 2008.02.14 13:09:27 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 4

SCALE	
1" = 20'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	9 of 15
CONTRACT	PROJECT
IR-29162	0500526

50+00 51+00 52+00 53+00 54+00

Sec. 22, T-23-N, R-4-W
Fairfield Township
Tippecanoe Co.

Construction Limits
For HMA Patching

Sta. 50+32.81, 164.03 ft Lt
BRG. N 0° 0' 0" E
Temp Drive: Mod Class IV
W = 24.0 ft
Str. #3
47.0 ft, 15in ø Pipe req'd

Construction Limits
For HMA Patching and
For Temp. Drive

Existing
Shoulder

Westbound SR 26

Sta. 50+83.49 Lt.
Mod. Public Road Approach
w = 21.4 ft

50+98.26
51.46'

Str. #2
Remove Existing Pipe
18" CMP

Construction Limits

App. Ex. R/W

51+37.92
30.79'

Gas Line

Existing Signal Loops

EQN: Sta. 49+97.39 Line "A"
= Sta. 23+16 SR 26

PI Sta. 50+83.49 Line "A"
No Curve Run
= Control Point #1

End Project
Sta. 51+30 Line "A"

36th Street Line "A"

Asphalt

Bearing = N 0° 55' 22.5" W

Sta. 54+60 Line "A"
= Control Point #2

Bearing = N 0° 29' 4.7" W

SR 26

Begin Project
Sta. 50+31.276 Line "A"

Paving
Limits

Edge of
Travel Lane

Construction Limits
For HMA Patching

TBM-1

51+36.90
30.20'

Construction Limits

Str. #1
Remove Existing Pipe
18" CMP

App. Ex. R/W

Sta. 50+83.49 Rt.
Mod. Public Road Approach
w = 24 ft

50+96.25
68.52'

Existing
Shoulder

Westbound SR 26

TBM-1 = 50.69.59 "A" 51.11 ft. RT
Northeast corner concrete foundation of traffic strain pole.
EL = 100.03 ft.

EARTHWORK BALANCE NOTE	
36th St & Public Road Approaches	
Fill + 25 %	105.0 cys
Common Excavation	240.0 cys*
Temporary Drive	
Fill + 25 %	28.0 cys
Common Excavation	130.0 cys*
Temporary Pavement along 36th St.	
Fill + 25 % (regrade existing sideslopes)	150.0 cys
Common Excavation (remove pvmt.)	120.0 cys*
Borrow	283.0 cys
Waste	490.0 cys
* unsuitable for borrow (asphalt pavement)	

VPI BEGIN PROFILE
Station = 50+31.27
Elevation = 102.51

VPI END PROFILE
Station = 51+30.00
Elevation = 101.37

P.V.I. STA. = 50+94.00
P.V.I. ELEV. = 101.26
V.C.L. = 34.00'
K Value = 14.6

Proposed
Profile Grade

-2.00%

+0.32%

Existing
Profile Grade

Ties into
SR 26

Full Depth Pavement Replacement

104 102 100 98 96

Existing
Proposed

103.19 103.14 102.14 101.32 101.37

50+00 51+00

Control Point #1
North 5044.062
East 4933.366
PKN set centerline
= 50+83.49 Line "A"

Control Point #2
North 5420.525
East 4927.302
PKN set centerline
= 54+60 Line "A"

Control Point #3
North 5000.365
East 4504.264
PKN set 8.08 ft N . of
Edge of Pavement WBL SR 26
approx. 50+43.42 Line "A" 429.5 ft Lt.

Control Point #4
North 4999.748
East 5342.682
PKN set WB shoulder
approx. 50+35.7 Line "A" 408.9 ft Rt.

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

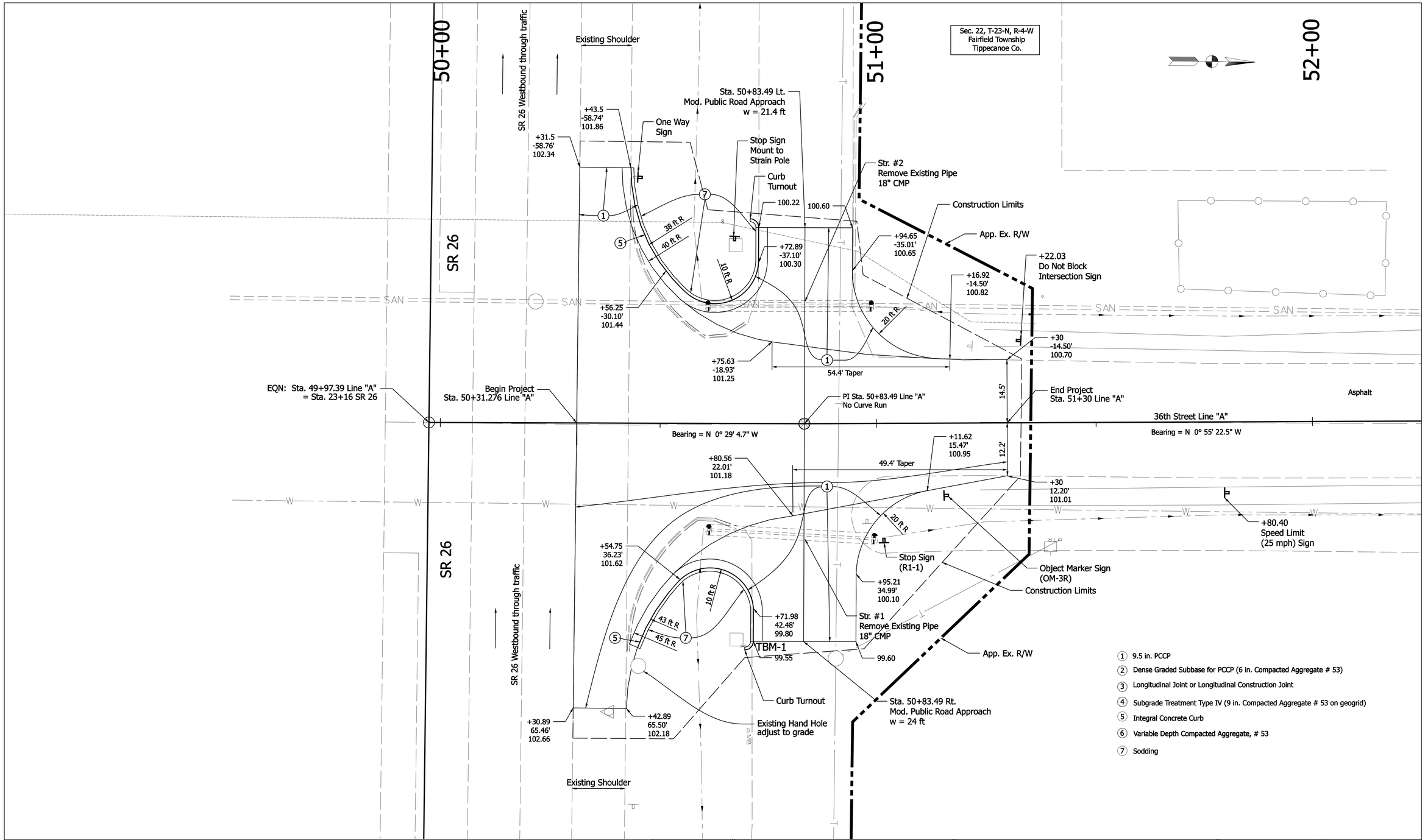
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE: 2008.02.14 14:24:34 -05'00'

DESIGNED: KMT Dec07 | DRAWN: KMT Dec07
CHECKED: MAH Dec07 | CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN PROFILE

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 4'	0500526
SURVEY BOOK	SHEETS
	10 of 15
CONTRACT	PROJECT
IR-29162	0500526



MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

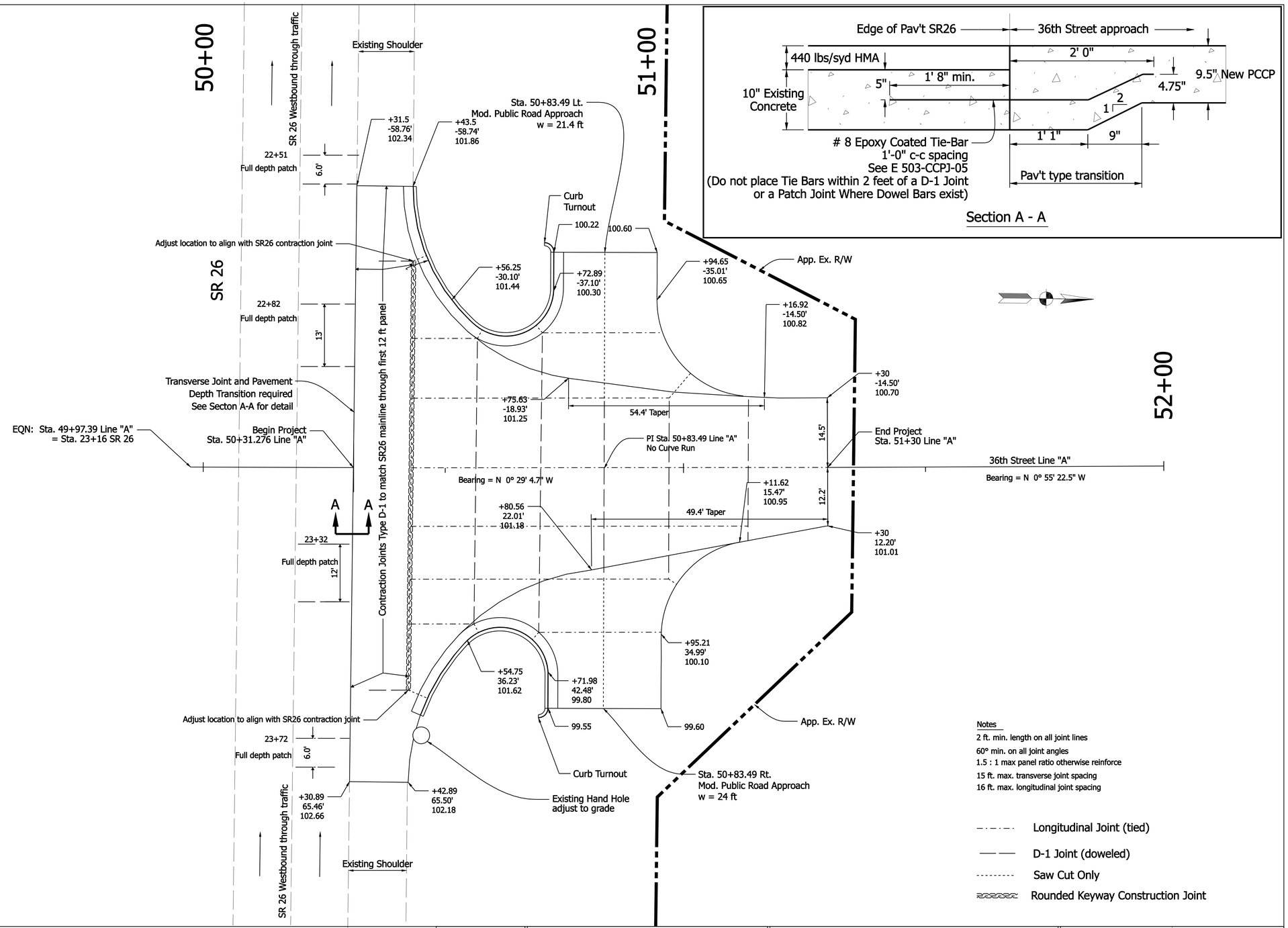
RECOMMENDED FOR APPROVAL Michael A. Hoy 2007.12.27 18:44:13 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL

SCALE	
1" = 10'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	11 of 15
CONTRACT	PROJECT
IR-29162	0500526



MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

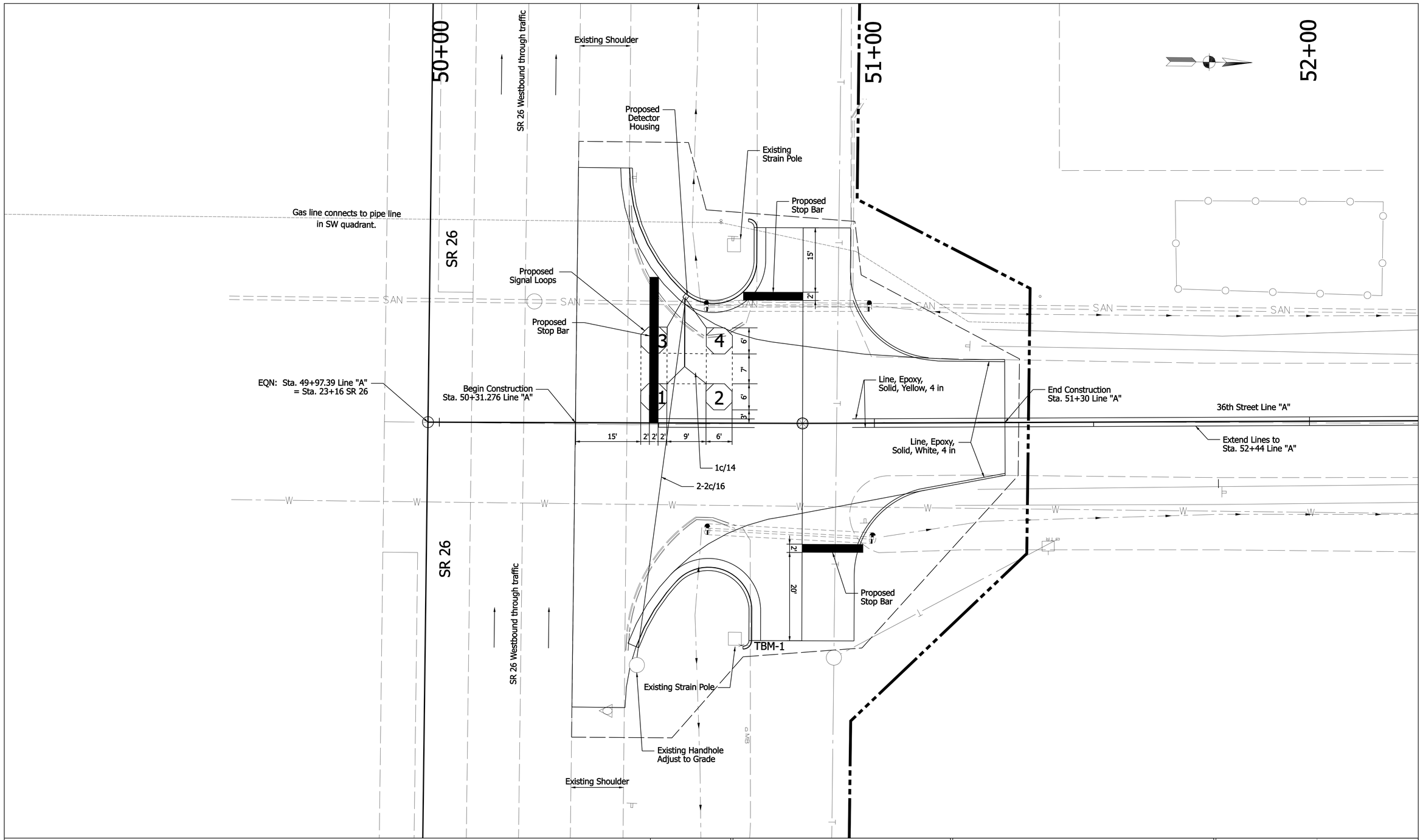
RECOMMENDED FOR APPROVAL Michael A. Hoy 2008.02.14 13:09:07 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA
DEPARTMENT OF TRANSPORTATION

CONCRETE JOINT DETAIL

SCALE	
1" = 10'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	12 of 15
CONTRACT	PROJECT
IR-29162	0500526



MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Michael A. Hoy 2007.12.27 18:44:57 -05'00'
DESIGN ENGINEER DATE

DESIGNED: KMT Dec07 DRAWN: KMT Dec07
CHECKED: MAH Dec07 CHECKED: MAH Dec07

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

SCALE	
1" = 10'	
	DESIGNATION
	0500526
SURVEY BOOK	SHEETS
	13 of 15
CONTRACT	PROJECT
IR-29162	0500526

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W/LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: BITUMIN.	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	EXCAVATION: CUT	EXCAVATION: FILL	CLEAR ZONE AT DRIVE	WIDENING WITH HMA TYPE A (1320 LBS. PER SYD.)	TEMP PAVEMENT TYPE A (1320 LBS. PER SYD.)	HMA PATCHING TYPE C (880 LBS. PER SYD)	PCCP FOR APPROACHES 9.5 IN	ASPHALT MATERIAL FOR: PRIME COAT	ASPHALT MATERIAL FOR: TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53 (DEPTH)	COMPACTED AGGREGATE FOR SURFACE NO.73 (DEPTH)	REMARKS
		FEET	FEET	FEET	FEET	SYS	SYS	SYS	%	%	CYS	CYS	FT	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	
50+83.49 Rt.	Mod. Public Rd. App.	24	35.2	20/12					-6.21	-1.86							**						** included in 36th St & Public Road Apps. quantity
50+83.49 Lt.	Mod. Public Rd. App.	21.4	31.2	12/20					-4.39	-1.00							**						** included in 36th St & Public Road Apps. quantity
Temporary Drive	Mod. Class IV	24	29.4	20/20					-11.8	+1.2		21.7			81.6								RADII TIES INTO EDGE OF TRAVEL LANE SR 26
Temporary Pavement														360									
SR 26 Patching																331.6							
36th St. & Public Road Apps.																	773						

STRUCTURE DATA

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

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: CROSS	LOCATION: RIGHT	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALITY STRUCTURE	LENGTH	SKEW	FLOW LINE: COVER	FLOW LINE: UP STREAM	FLOW LINE: DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STR. BACKFILL TYPE I	REVETMENT RIPRAP	Comp. Aggr. #53	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			REMARKS
					INCHES			LFT		FT	ELEV.	ELEV.	YR.				CYS	TONS	TONS	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.	
1	50+80			X				40											1.5									REMOVE 18" CMP and end sections
2	50+80	X						40											3.9									REMOVE 18" CMP and end sections
3	Temp. Approach		X		15	3		48	0	0	97.73	97.60	NA	NA	NA	2	2.5											TEMP PIPE - CMP MIN GAGE OR GREATER

PAVED SIDE DITCH, RIPRAP DITCH AND SODDING SUMMARY TABLE

LOCATION: FROM STATION	LOCATION: TO STATION	LEFT	MEDIAN	RIGHT	PAVEMENT SIDE DITCH: ACTUAL LENGTH	CUT OFF WALLS (8 ft. EQUIVAL LENGTH EACH)	LUGS (8 ft. EQUIVAL LENGTH EACH)	TOTAL EQUIVALENT PAY LENGTHS: TYPE					RIPRAP DITCH: REVETMENT RIPRAP	RIPRAP DITCH: UNIFORM RIPRAP	RIPRAP DITCH: GEOTEXTILES	SODDING: FOR PAVED SIDE DITCHES	SODDING: FOR DITCHES	SODDING: FOR MEDIAN	SODDING: FOR SHOULDER BREAK	SODDING: SODDING AT BRIDGE CONE	SODDING: TOTAL SODDING	NURSERY SODDING FOR LAWNS
					LFT	EACH	EACH	LFT	LFT	LFT	LFT	LFT	TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
TEMP DRIVE																						157
TEMP PAVEMENT REMOVED																						360
AROUND CONCRETE PAVEMENT																						83
TOTALS																						600

SHEET SIGN & POST SUMMARY

SIGN: LINE	SIGN: LOCATION (STA.)	SIGN: SIGN CODE	SIGN: SIGN SIZE (in.)	SIGN: ENCAPSULATED LENS METAL THICKNESS AND SIGN AREA (ft^2): 0.080"	0.100"	0.125"	POST: SQUARE 2 1/4" X 2 1/4" - 12 GA. (TYPE 1): REINFORCED ANCHOR POST LENGTH (FT.) 1	REINFORCED ANCHOR POST LENGTH (FT.) TOTAL	UNREINFORCED ANCHOR POST LENGTH (FT.) 1	UNREINFORCED ANCHOR POST LENGTH (FT.) TOTAL
		R1-1	30 x 30	6.25			Mount to Strain Pole			
		R1-1	30 x 30	6.25			10.0	10.0		
		R2-1	24 X 30	5.00			11.0	11.0		
		OM-3R	12 X 36	3.00			10.0	10.0		
		R10-7	24 X 36	6.00			11.0	11.0		
		R6-1**	36 X 12		6.00		9.0	9.0	** 2 signs required on one post	
				26.50	6.00	0.00		51.0		

EROSION CONTROL TABLE

TYPE	STATION	LFT
SILT FENCE	50+42 TO 50+72 RT	30
	51+50 TO 52+60 RT	110
	50+43 TO 50+73 LT	30
	50+95 TO 51+30 LT	40
	51+30 TO 52+50 LT	120
	TEMP. APP. WEST	30
	TOTAL	**360**
STRAW BALE CHECK DAM	TEMP. APP. WEST	14
	TOTAL	**14**

REVISIONS

DATE	ITEM

MICHAEL A. HOY REGISTERED No. 10300004 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Michael A. Hoy 2008.02.14 13:08:51 -05'00'

DESIGN ENGINEER DATE

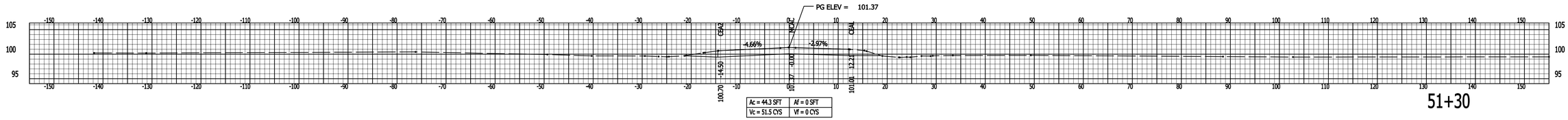
DESIGNED: KMT Dec07 DRAWN: KMT Dec07

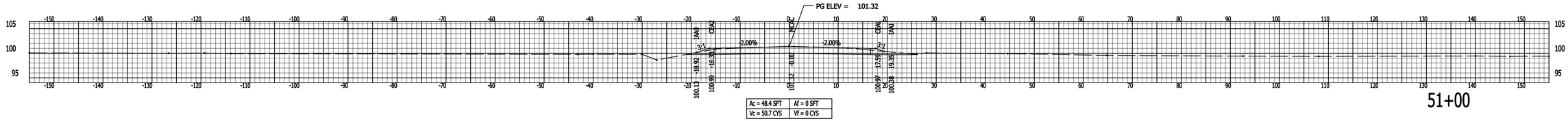
CHECKED: MAH Dec07 CHECKED: MAH Dec07

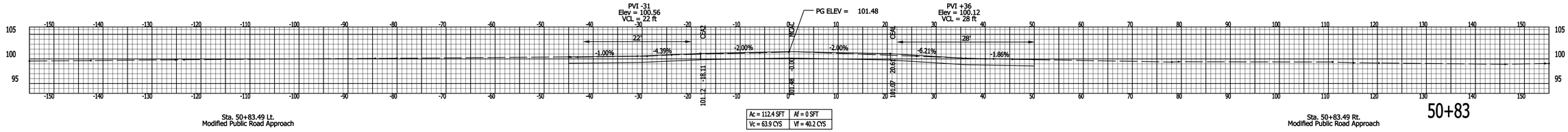
INDIANA DEPARTMENT OF TRANSPORTATION

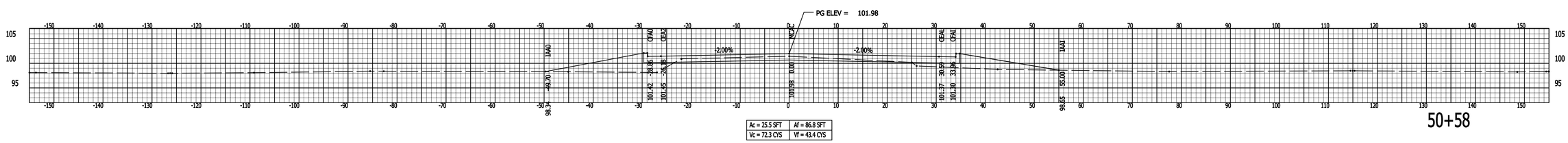
ROAD SUMMARY SHEET

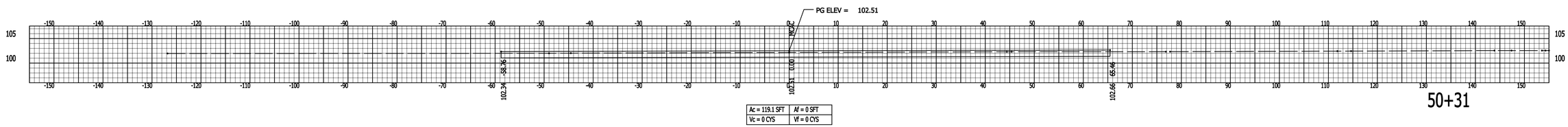
SCALE	
N/A	
	DESIGNATION 0500526
SURVEY BOOK	SHEETS 14 of 15
CONTRACT	PROJECT
IR-29162	0500526

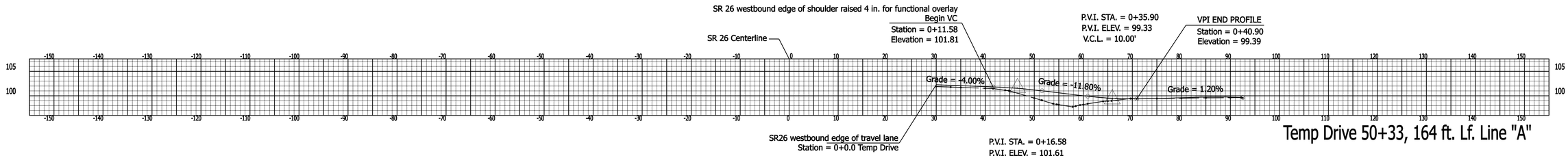












		INDIANA DEPARTMENT OF TRANSPORTATION	SCALE: 1" = 10'
DESIGNED: KMT Dec07	DRAWN: KMT Dec07		LINE: "A" / DESIGNATION: 0500526
CHECKED: MAH Dec07	CHECKED: MAH Dec07	CROSS SECTIONS	SURVEY BOOK / SHEETS: 15 of 15
			CONTRACT: IR-29162 / PROJECT: 0500526