PROJECT	DESIGNATION
1700736	1700736
CONTRACT	
R-40294	

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

PROJECT NO.

1700736 P.E.
1700736 R/W
1700736 CONST.

New multiuse path on Sare Rd. from Buttonwood Ln. to Moores Pike
along with intersection improvement at the intersection of Sare Rd. and Moores Pike
in Sections 2, 3, 10, 11, T-8-N, R-1-W, Perry Township, Monroe County, Indiana

CITY OF BLOOMINGTON

HON. JOHN HAMILTON — DATE
MAYOR

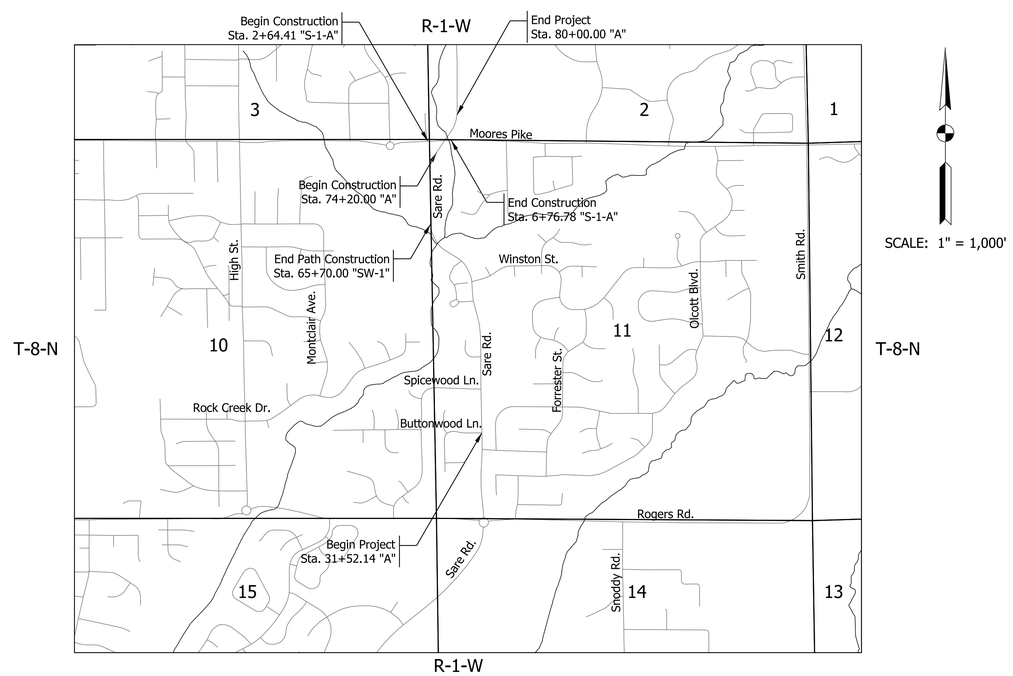
NEIL KOPPER — DATE
PROJECT ENGINEER, E.R.C.

BOARD OF PUBLIC WORKS

KYLA COX DECKARD — DATE
PRESIDENT

BETH H. HOLLINGSWORTH — DATE
VICE PRESIDENT

DANA PALAZZO — DATE
SECRETARY



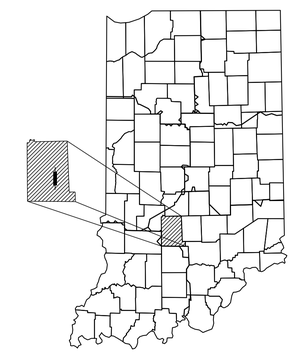
SCALE: 1" = 1,000'

TRAFFIC DATA		SARE ROAD
A.A.D.T.	(2020)	18,331 V.P.D.
A.A.D.T.	(2040)	21,117 V.P.D.
D.H.V	(2040)	2,112 V.P.H.
DIRECTIONAL DISTRIBUTION		53/47 %
TRUCKS		1.1% A.A.D.T.
		0.4% D.H.V.

DESIGN DATA	SARE ROAD
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR
RURAL/URBAN	URBAN
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA		MOORES PIKE
A.A.D.T.	(2020)	12,355 V.P.D.
A.A.D.T.	(2040)	14,826 V.P.D.
D.H.V	(2040)	1,483 V.P.H.
DIRECTIONAL DISTRIBUTION		56/44 %
TRUCKS		2.1% A.A.D.T.
		1.0% D.H.V.

DESIGN DATA	MOORES PIKE
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR COLLECTOR
RURAL/URBAN	URBAN
TERRAIN	LEVEL
ACCESS CONTROL	NONE



PROJECT LOCATION SHOWN BY
MONROE

LATITUDE: 39°8'43" N LONGITUDE: 86°29'50" W

GROSS LENGTH: 0.82 MI.
NET LENGTH: 0.82 MI.
MAX. GRADE: 7.19 %

HUC: 05120208090010

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS

WSP USA Inc.
115 W. Washington Street
Suite 1270S
Indianapolis, IN 46204
TEL: 317-972-1706

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

PLANS PREPARED BY: WSP USA INC. — 317-972-1706 PHONE NUMBER
CERTIFIED BY: John Bowen — 11/25/2019 DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION — DATE

DESIGNATION
1700736

SURVEY BOOK	SHEETS
	1 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Sheet Files\Sht Title.dgn

UTILITIES

AT&T Distribution
Tod Moore
4517 E. Indiana Bell Ct.
Bloomington, IN 47408
Tm1925@att.com
812-334-4718

Duke Energy - Electric
Jared Dickey
2727 Central Ave.
Columbus, IN 47201
jared.dickey@duke-energy.com
812-375-2111

Vectren - Gas Distribution
Mostafa Khallad
8399 Zionsville Rd.
Indianapolis, IN 46268
mostafa.khallad@centerpointenergy.com
765-287-2150

City of Bloomington Utilities
Jane Fleig
600 East Miller Drive
Bloomington, IN 47402
fleigj@bloomington.in.gov
812-349-3631 (office)

Smithville Telephone Co., Inc.
Brad Hudoff
1600 Temperance St.
Ellettsville, IN 47429
brad.hudoff@smithville.com
812-935-2423

Vectren - Gas Transmission
Jeff Donnelly
jeff.donnelly@centerpointenergy.com
812-491-5558

Comcast Cable
Steve Mcartor
1600 West Fountain Drive
Bloomington, IN 47404
steve_mcartor@cable.comcast.com
812-822-3267 (office)
812-360-3090 (cell)

Zayo Bandwidth
Waylon W. Higgins
9209 Castlegate Dr.
Indianapolis, IN 46256
waylon.higgins@zayo.com
765-341-1199 (cell)

REVISIONS

SHEET NO.	DATE	REVISED

GENERAL NOTES

X	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. ___ and Sta. ___ shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.

X Represents General Notes to be included in the Project.

INDEX

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

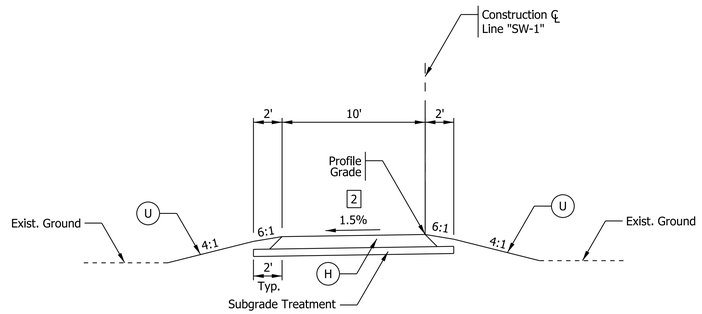
DESIGNED: JLB DRAWN: JLB
CHECKED: JPP CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

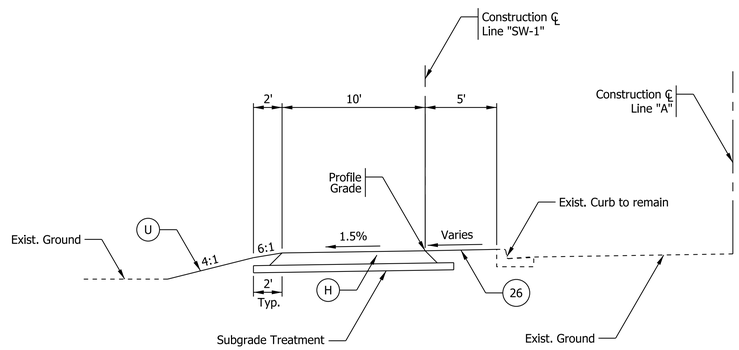
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	2 of 97
CONTRACT	PROJECT
R-40294	1700736

PlotC 12/4/2019 11:02 AM
T:\188456\Roadway\Sheet Files\Sht Index.dgn



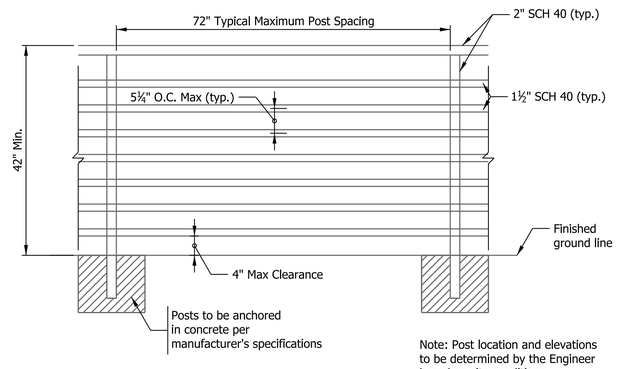
Typical Section - Sare Rd. Multiuse Path

Sta. 59+15.34 "A" to 60+34.45 "A"
Sta. 61+45.95 "A" to 65+70.00 "A"



Typical Section - Sare Rd. Multiuse Path

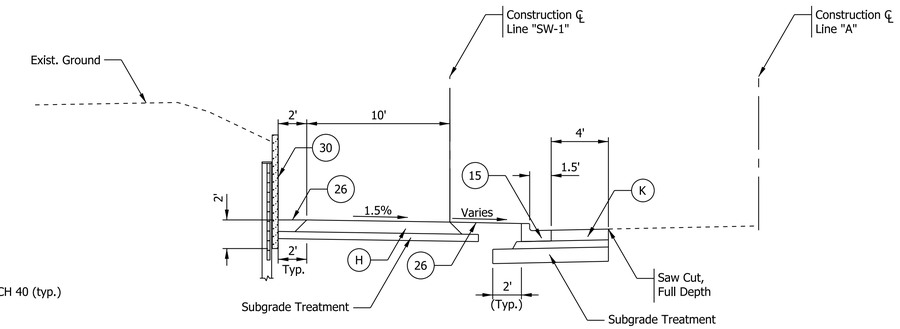
Sta. 48+54.00 "A" to 50+16.97 "A"
Sta. 53+11.03 "A" to 59+15.34 "A"



Note: Post location and elevations to be determined by the Engineer based on site conditions.

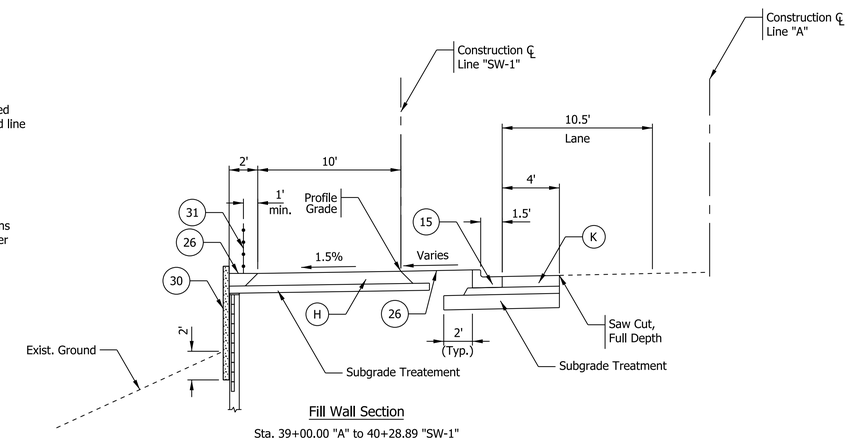
HAND RAIL, PEDESTRIAN

Not to scale



Cut Wall Section

Sta. 35+00.00 "A" to 37+00.00 "SW-1"

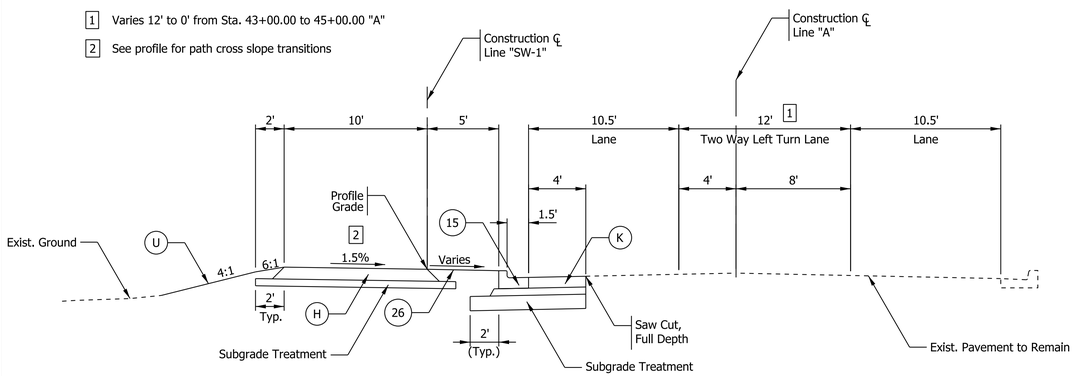


Fill Wall Section

Sta. 39+00.00 "A" to 40+28.89 "SW-1"

1 Varies 12' to 0' from Sta. 43+00.00 to 45+00.00 "A"

2 See profile for path cross slope transitions



Typical Section - Sare Rd. Multiuse Path

Sta. 31+52.14 "A" to 48+54.00 "A"
Sta. 50+16.97 "A" to 53+11.03"A"

Pavement Sections

(K) HMA Patching, Type B

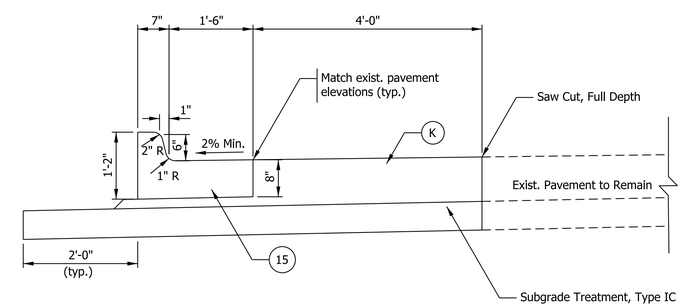
165 lb/syd HMA Surface, Type B on
275 lb/syd HMA Intermediate, Type B on
880 lb/syd HMA Base, Type B on
Subgrade Treatment, Type IC

(H) HMA for Sidewalk

140 lb/syd HMA Surface, Type B on
220 lb/syd HMA Intermediate, Type B on
6" Comp. Agg., No. 53 on
Subgrade Treatment, Type III

(D) Full Depth PCCP

PCCP, 12 IN. w/ D-1 Joints @
16 ft. max. spacing w/
1-1/4" dia. dowel bars (12 in. spacing) on
Dense graded subbase on
Subgrade Treatment, Type IC



CURB AND GUTTER, CONCRETE, MODIFIED WITH PAVEMENT PATCHING

Not to scale

(15) Curb and Gutter, Concrete, Modified	(30) Cut Wall	(K) HMA Patching, Type C	(D) Full Depth PCCP
(22) Center Curb, D, Concrete	(31) Handrail, Pedestrian	(H) HMA for Sidewalk	
(26) Nursery Sodding	(F) Sidewalk, Concrete	(U) Mulched Seeding, Type U	

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB DRAWN: JLB

CHECKED: JPP CHECKED: JPP

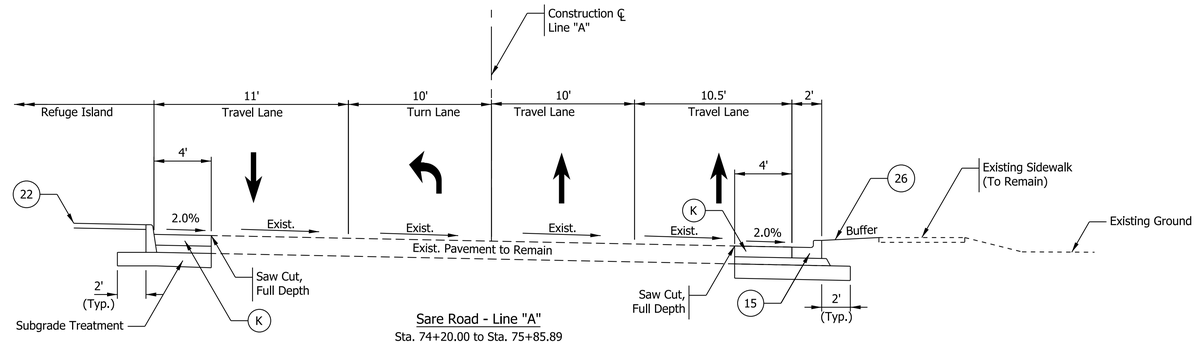
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

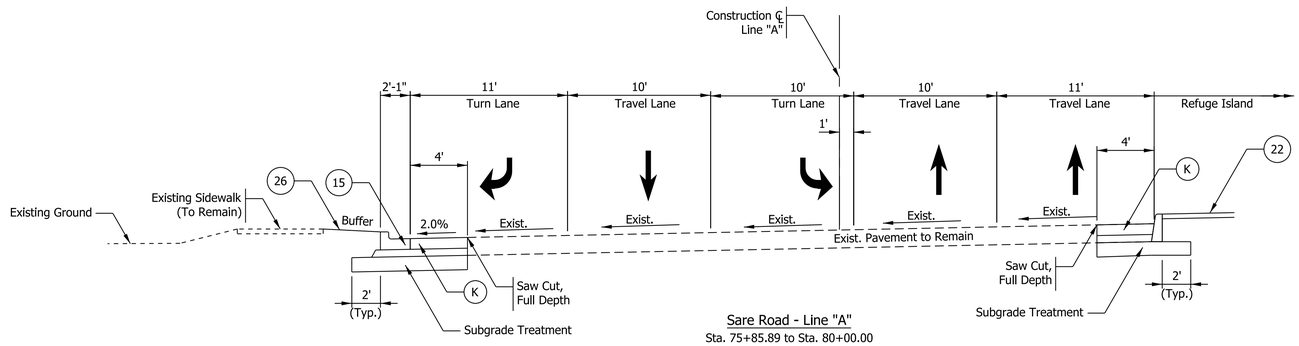
HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	1700736
SURVEY BOOK	SHEETS
	3 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

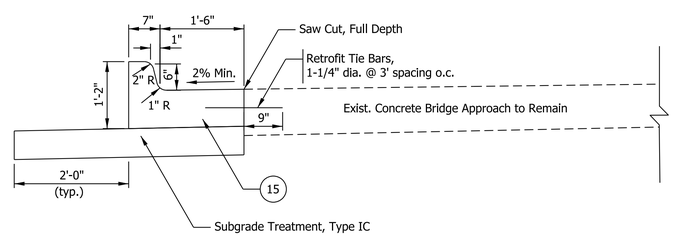
T:\188456\Roadway\Base Files\Bse RD TS.dgn



Sare Road - Line "A"
Sta. 74+20.00 to Sta. 75+85.89



Sare Road - Line "A"
Sta. 75+85.89 to Sta. 80+00.00



CURB AND GUTTER, CONCRETE, MODIFIED AT CONCRETE BRIDGE APPROACH
Not to scale

Pavement Sections

(K) HMA Patching, Type B

165 lb/syd HMA Surface, Type B on
275 lb/syd HMA Intermediate, Type B on
880 lb/syd HMA Base, Type B on
Subgrade Treatment, Type IC

(H) HMA for Sidewalk

140 lb/syd HMA Surface, Type B on
220 lb/syd HMA Intermediate, Type B on
6" Comp. Agg., No. 53 on
Subgrade Treatment, Type III

(D) Full Depth PCCP

PCCP, 12 IN. w/ D-1 Joints @
16 ft. max. spacing w/
1-1/4" dia. dowel bars (12 in. spacing) on
Dense graded subbase on
Subgrade Treatment, Type IC

(15) Curb and Gutter, Concrete, Modified	(30) Cut Wall	(K) HMA Patching, Type C	(D) Full Depth PCCP
(22) Center Curb, D, Concrete	(31) Handrail, Pedestrian	(H) HMA for Sidewalk	
(26) Nursery Sodding	(F) Sidewalk, Concrete	(U) Mulched Seeding, Type U	

JOHN L. BOWEN
REGISTERED
No.
PE10707582
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

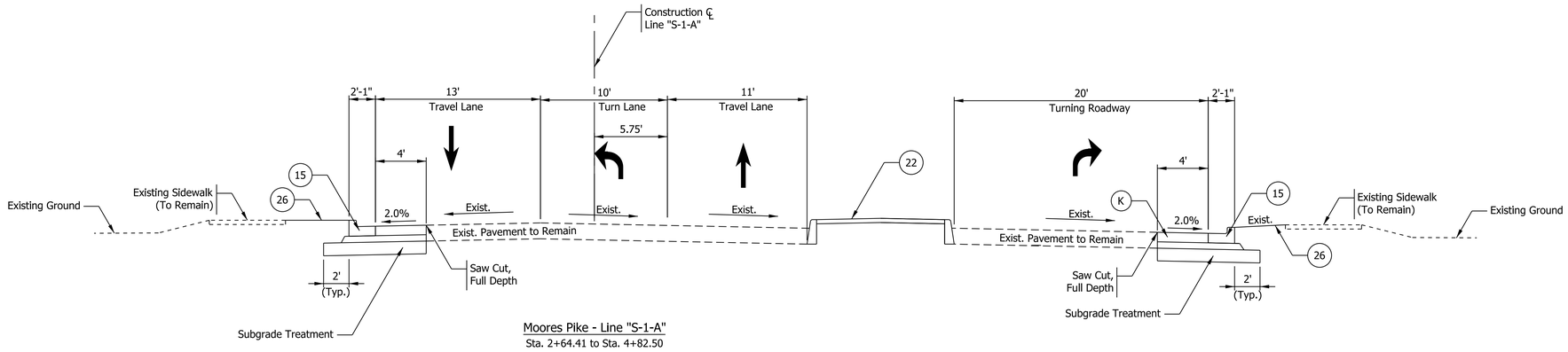
DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

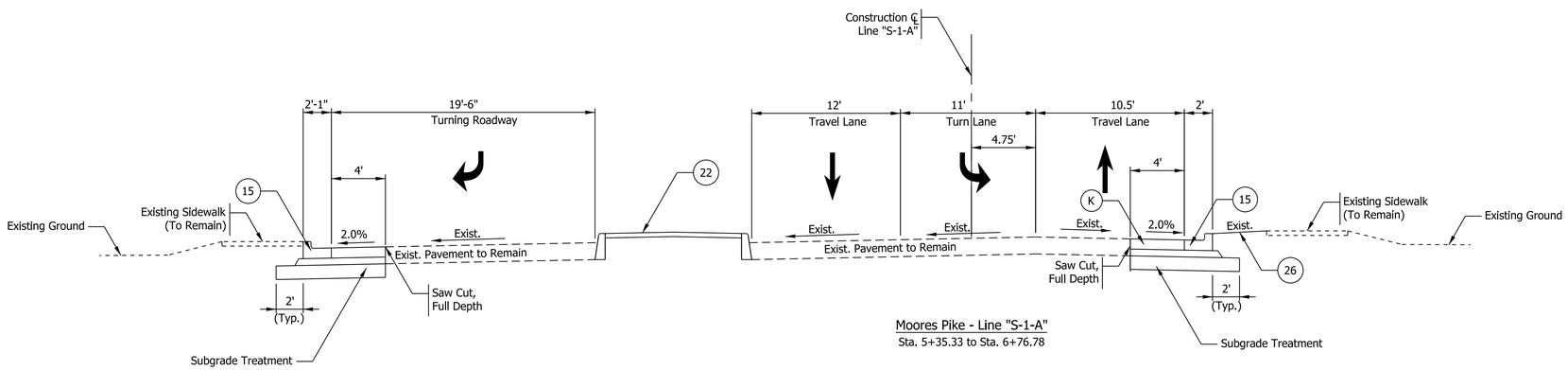
TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1'=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	1700736
SURVEY BOOK	SHEETS
	4 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Base Files\Bse RD TS.dgn



Moores Pike - Line "S-1-A"
Sta. 2+64.41 to Sta. 4+82.50



Moores Pike - Line "S-1-A"
Sta. 5+35.33 to Sta. 6+76.78

Pavement Sections

(K) HMA Patching, Type B

165 lb/syd HMA Surface, Type B on
275 lb/syd HMA Intermediate, Type B on
880 lb/syd HMA Base, Type B on
Subgrade Treatment, Type IC

(H) HMA for Sidewalk

140 lb/syd HMA Surface, Type B on
220 lb/syd HMA Intermediate, Type B on
6" Comp. Agg., No. 53 on
Subgrade Treatment, Type III

(D) Full Depth PCCP

PCCP, 12 IN. w/ D-1 Joints @
16 ft. max. spacing w/
1-1/4" dia. dowel bars (12 in. spacing) on
Dense graded subbase on
Subgrade Treatment, Type IC

(15) Curb and Gutter, Concrete, Modified	(30) Cut Wall	(K) HMA Patching, Type C	(D) Full Depth PCCP
(22) Center Curb, D, Concrete	(31) Handrail, Pedestrian	(H) HMA for Sidewalk	
(26) Nursery Sodding	(F) Sidewalk, Concrete	(U) Mulched Seeding, Type U	

JOHN L. BOWER
REGISTERED
No.
PE10707582
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

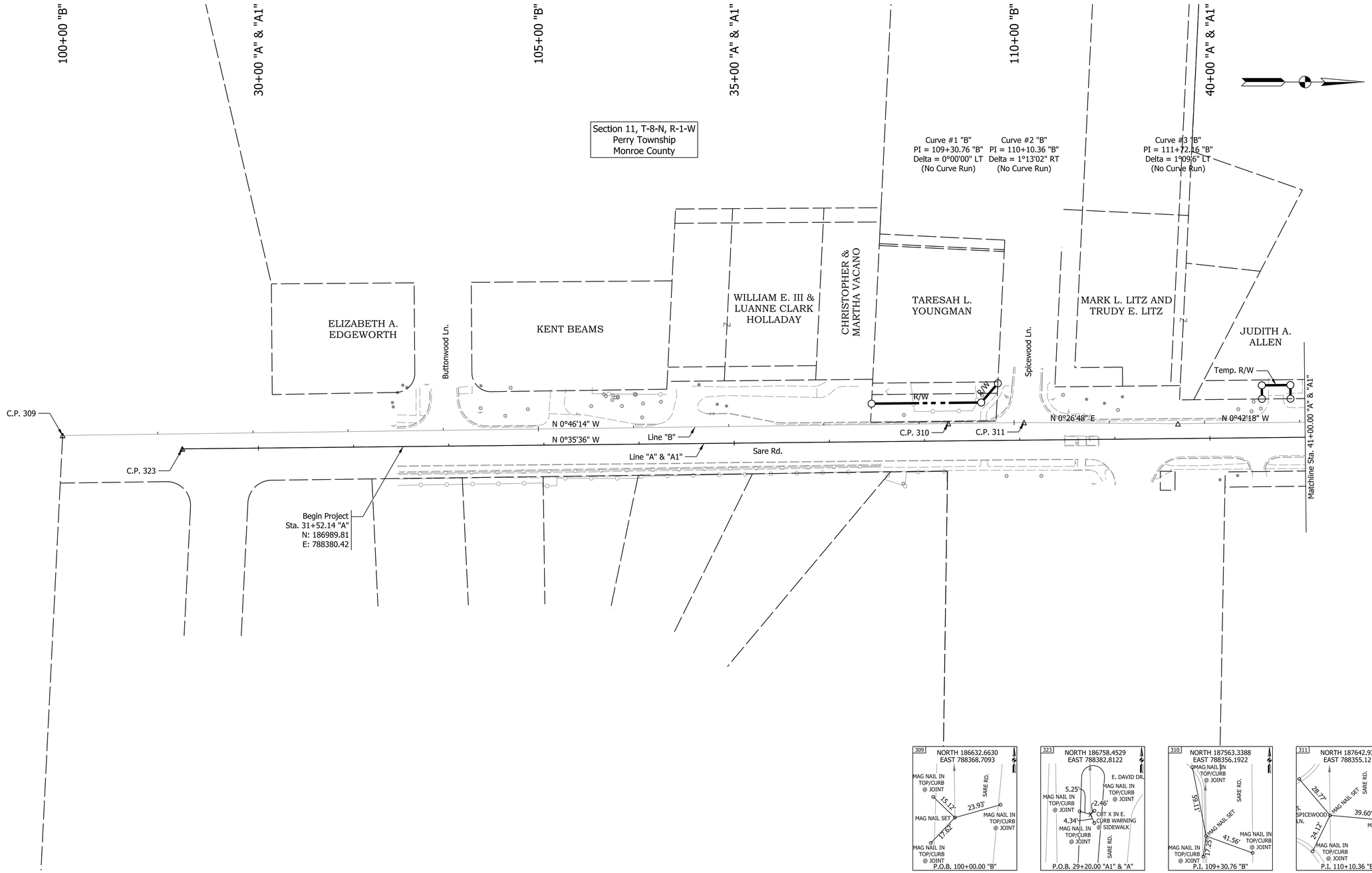
DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1'=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	1700736
SURVEY BOOK	SHEETS
	5 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Base Files\Bse RD TS.dgn



JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF

CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	6 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht Geometric 50_01.dgn

115+00 "B"

45+00 "A" & "A1"

120+00 "B"

50+00 "A"

125+00 "B"

Section 11, T-8-N, R-1-W
Perry Township
Monroe County

Curve #4 "B"
PI = 118+17.77 "B"
Delta = 11°14'37" LT
(No Curve Run)

Curve #5 "B"
PI = 121+40.06 "B"
Delta = 7°22'20" RT
(No Curve Run)

Curve #6 "B"
PI = 123+95.05 "B"
Delta = 0°01'47" LT
(No Curve Run)

JOE KEMP
CONSTRUCTION, LLC

HYDE PARK HOMEOWNER'S
ASSOCIATION, INC.

MCCARTNEY, VIRGINIA R.,
CARNEY, CONNIE L. & CHARLES L.

CHRISTIAN
FREDRICKSON

BRIAN R. &
KIMBERLY R. CRAWFORD

Hunter Glen

McCartney Ln.

P.C. = 45+25.20 "A" & "A1"

P.T. = 47+53.32 "A"

Temp. R/W

R/W

C.P. 313

C.P. 314

C.P. 315

Line "B"

Line "A"

Line "A" & "A1"

N 0°42'18" W

N 0°35'36" W

N 11°56'55" W

N 13°39'49" W

N 4°34'35" W

N 4°36'22" W

N 1°41'46" W

Sare Rd.

Matchline Sta. 41+00.00 "A" & "A1"

Matchline Sta. 53+00.00 "A"

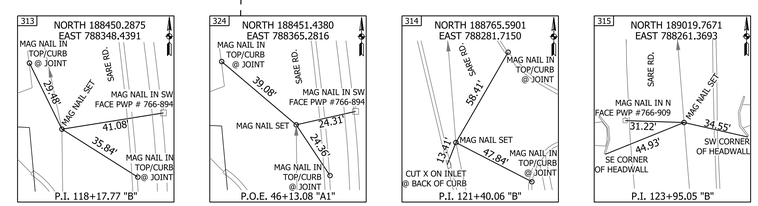
P.C. = 50+11.00 "A"

P.T. = 52+19.87 "A"

C.P. 324
End Line "A1"
P.O.T. Sta. 46+13.08 "A1" =
O.P.O.C. Sta. 46+12.85 "A" (3.85' RT)

Curve #1 "A"
PI = 46+39.76 "A"
Delta = 13°04'13" LT
D = 5°43'46"
R = 1000.00'
T = 114.56'
L = 228.12'
E = 6.54'

Curve #2 "A"
PI = 51+15.81 "A"
Delta = 11°58'03" RT
D = 5°43'46"
R = 1000.00'
T = 104.82'
L = 208.87'
E = 5.48'



JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF

CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	7 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht Geometric 50_02.dgn

55+00 "A"
130+00 "B"
60+00 "A"
135+00 "B"
65+00 "A"

Section 10, T-8-N, R-1-W
Perry Township
Monroe County

Curve #8 "B"
PI = 133+59.82 "B"
Delta = 65°19'53" RT
D = 11°27'33"
R = 500.00'
T = 320.57'
L = 570.12'
E = 93.94'

Curve #4 "A"
PI = 61+72.26 "A"
Delta = 57°13'35" RT
D = 12°03'44"
R = 475.00'
T = 259.12'
L = 474.42'
E = 66.08'

RAMSEY LAND
DEVELOPMENT, INC.

RAMSEY LAND
DEVELOPMENT, INC.

CITY FLATS AT
RENWICK, LLC

C.P. 322
End Line "B"
P.O.T. Sta. 139+76.38 "B" =
O.P.O.T. Sta. 67+66.07 "A" (3.37' LT)

Sec. Line
Jackson Creek

MONROE
COUNTY

R/W

C.P. 321

Line "B" &
Sec. Line

N 0°27'30" W
N 0°28'15" W
Sare Rd.

Line "A"

Matchline Sta. 69+00.00 "A"

C.P. 300
Begin Line "A" from LCRS
Sta. 8+00.00 "A" (LCRS) =
Sta. 67+66.04 "A"

8

Section 11, T-8-N, R-1-W
Perry Township
Monroe County

DONALD M.
COLLER

P.T. = 63+87.56 "A"
P.T. = 136+09.37 "B"

Section 11, T-8-N, R-1-W
Perry Township
Monroe County

HYDE PARK HOMEOWNER'S
ASSOCIATION, INC.

C.P. 319

N 65°47'23" W

DONALD M.
COLLER

P.T. = 130+26.65 "B"

P.T. = 57+49.15 "A"

P.C. = 59+13.13 "A"

N 57°41'50" W

C.P. 318

P.C. = 130+39.25 "B"

HYDE PARK HOMEOWNER'S
ASSOCIATION, INC.

McCartney Ln.

P.C. = 53+11.27 "A"

P.C. = 125+50.98 "B"

Line "B"

Sare Rd.

N 65°47'23" W

Line "A"

N 6°19'54" W

N 1°41'46" W

Matchline Sta. 53+00.00 "A"

C.P. 316

E. Winston St.

Curve #3 "A"
PI = 55+49.48 "A"
Delta = 56°00'04" LT
D = 12°47'21"
R = 448.00'
T = 238.21'
L = 437.88'
E = 59.39'

Curve #7 "B"
PI = 128+12.74 "B"
Delta = 59°27'29" LT
D = 12°30'00"
R = 458.37'
T = 261.76'
L = 475.67'
E = 69.48'

316 NORTH 189175.2033
EAST 788248.8465
CENTER OF WATER VALVE
SARE RD.
38.11'
24.73'
MAG NAIL SET
E. WINSTON ST.
37.68'
MAG NAIL IN TOP/CURB @ JOINT
MAG NAIL IN TOP/CURB ISLAND @ JOINT
P.C. 125+50.98 "B"

318 NORTH 189542.7079
EAST 787981.2435
CENTER OF WATER MANHOLE
MAG NAIL IN TOP/CURB @ JOINT
SARE RD.
93.13'
16.83'
MAG NAIL SET
53.73'
MAG NAIL IN TOP/CURB @ JOINT
P.T. 130+26.65 "B"

319 NORTH 189547.8737
EAST 787969.7545
CENTER OF WATER MANHOLE
MAG NAIL IN TOP/CURB @ JOINT
SARE RD.
80.54'
27.61'
MAG NAIL SET
54.82'
MAG NAIL IN TOP/CURB @ JOINT
P.C. 130+39.25 "B"

321 NORTH 189999.8965
EAST 787674.8135
SARE RD.
MAG NAIL IN TOP/CURB @ JOINT
17.07'
MAG NAIL SET
21.65'
28.87'
MAG NAIL IN TOP/CURB @ JOINT
REBAR W/ "SJCA CONTROL" CAP
P.T. 136+09.37 "B"

322 NORTH 190366.8911
EAST 787671.8769
MAG NAIL IN TOP/CURB @ JOINT
SARE RD.
30.17'
19.42'
MAG NAIL SET
21.32'
MAG NAIL IN TOP/CURB @ JOINT
MAG NAIL IN TOP/CURB @ JOINT
P.O.E. 139+76.38 "B"

300 NORTH 190366.8911
EAST 787675.2490
MAG NAIL IN TOP/CURB @ JOINT
SARE RD.
17.93'
22.62'
MAG NAIL SET
19.20'
MAG NAIL IN TOP/CURB @ JOINT
MAG NAIL IN TOP/CURB @ JOINT
P.O.B. 8+00.00 "A" (LCRS) =
P.O.T. 67+66.04 "A"

Plot: 12/4/2019 11:02 AM

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

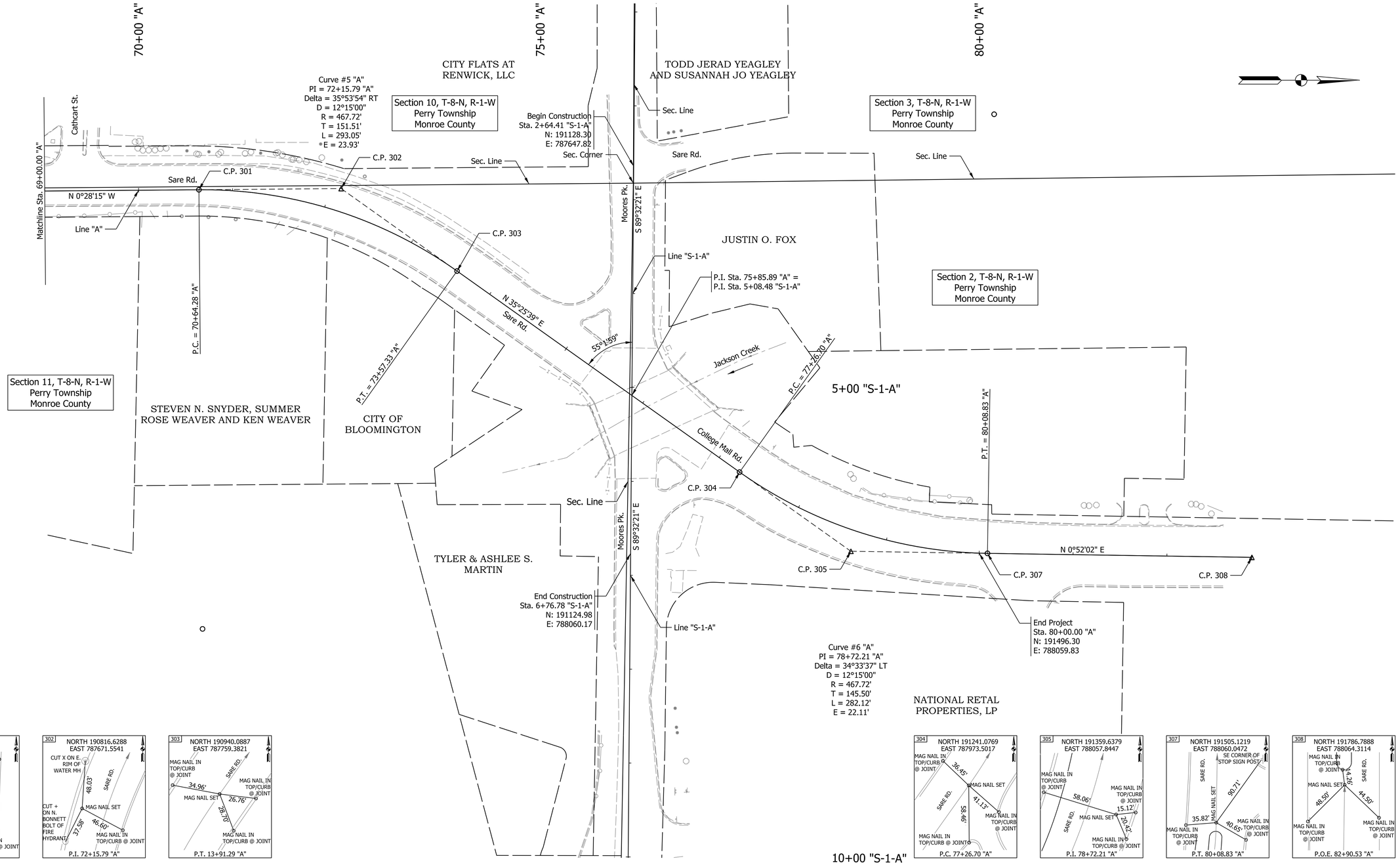
DESIGNED: PJF | DRAWN: PJF
CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	8 of 97
CONTRACT	PROJECT
R-40294	1700736

T:\188456\Roadway\Sheet Files\Sht Geometric 50_03.dgn



JOHN L. BOWER REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: PJF | DRAWN: PJF

CHECKED: JLB | CHECKED: JLB

INDIANA DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAIL SHEET

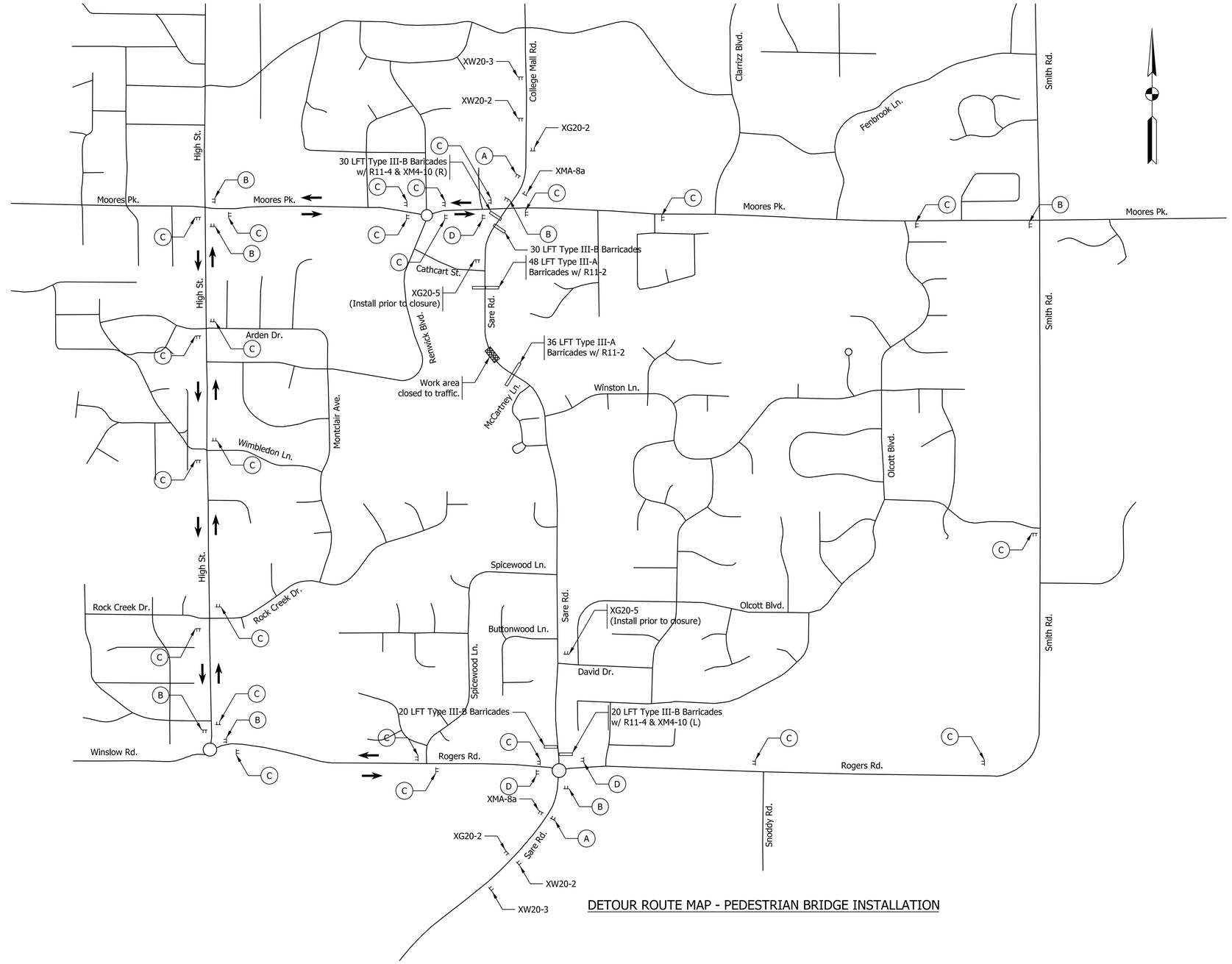
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	9 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht Geometric 50_04.dgn

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. Access to properties shall be maintained at all times.
2. All signage shall be in accordance with the Indiana Manual on Uniform Traffic Devices (IMUTCD).
3. Detour route marker assemblies shall be in accordance with standard drawing 801-TCDT-04.



DETOUR ROUTE MAP - PEDESTRIAN BRIDGE INSTALLATION

CONSTRUCTION SIGN AND BARRICADE SUMMARY			
ITEM	UNIT	SIGN CODE	QUANTITY
Barricade, Type III-A	LFT	-	84
Barricade, Type III-B	LFT	-	100
Detour Route Marker Assembly	EACH	-	36
Detour Route Marker Assembly (Undistributed)	EACH	-	9
Road Closure Sign Assembly	EACH	-	4
Contruction Signs, A			
Detour Ahead	EACH	XW20-2	2
Road Closed	EACH	R11-2	2
Road Closed Ahead	EACH	XW20-3	2
Road Closed to Thru Traffic	EACH	R11-4	2
End Construction	EACH	XG20-2	2
Advanced Closure Sign	EACH	XG20-5	2
Construction Signs, B			
Detour	EACH	XM4-10	2
End Detour	EACH	XM4-8a	2

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

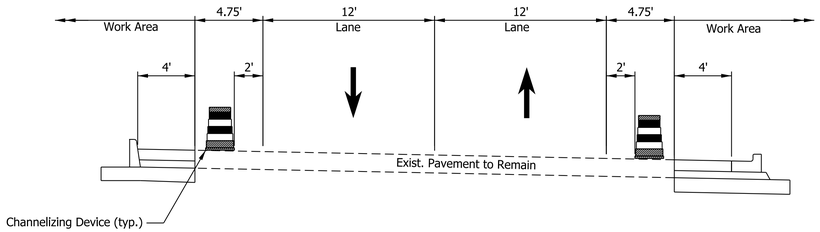
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR ROUTE

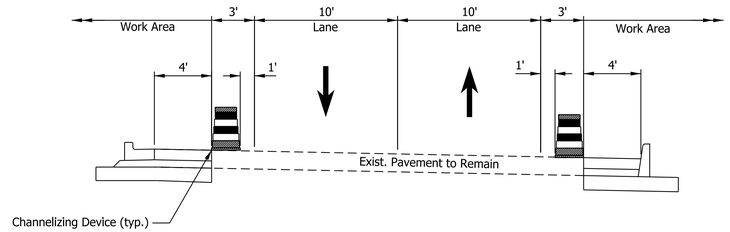
HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	10 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

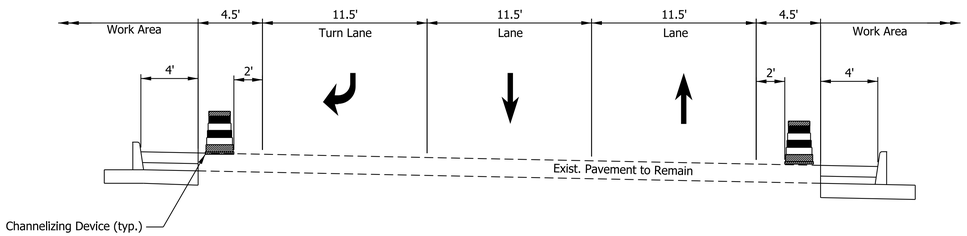
T:\188456\Roadway\Base Files\Bse RD MOT Detour.dgn



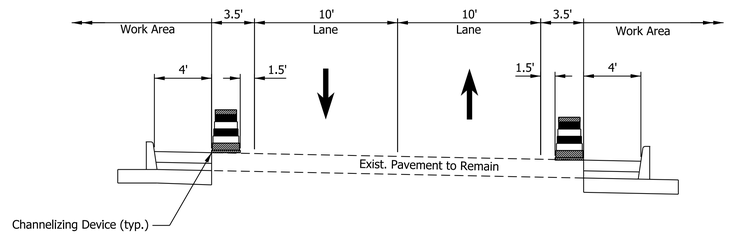
Sare Road (South Intersection Approach)- MOT Typical Section



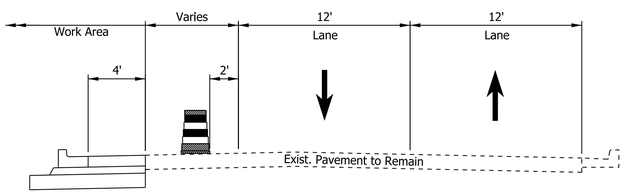
Moores Pike (West Intersection Approach)- MOT Typical Section



College Mall Rd. (North Intersection Approach)- MOT Typical Section



Moores Pike (West Intersection Approach)- MOT Typical Section



Sare Road (Path Construction)- MOT Typical Section

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Base Files\Bse RD MOT TS.dgn

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

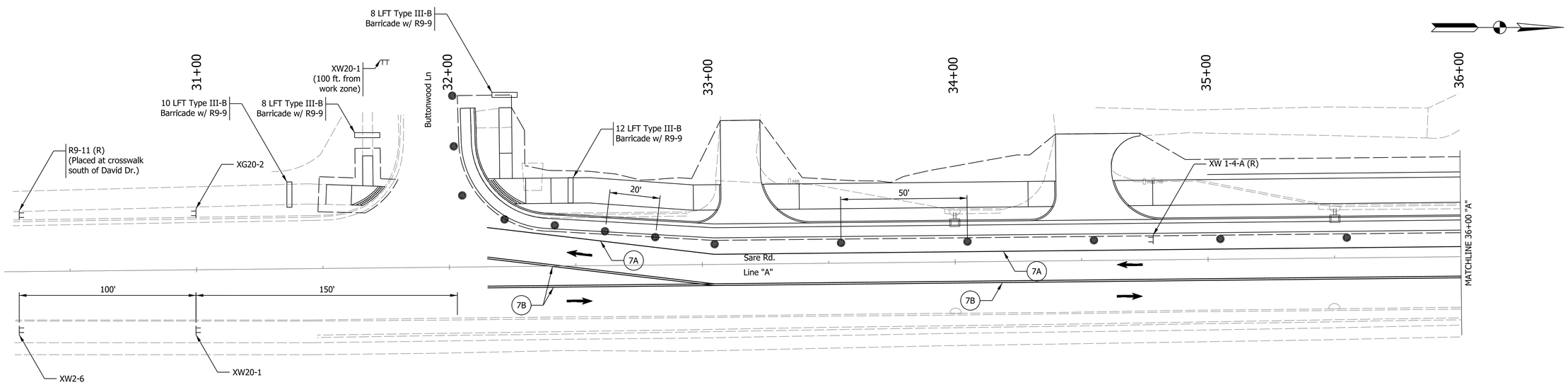
DESIGNED: JLB | DRAWN: JLB

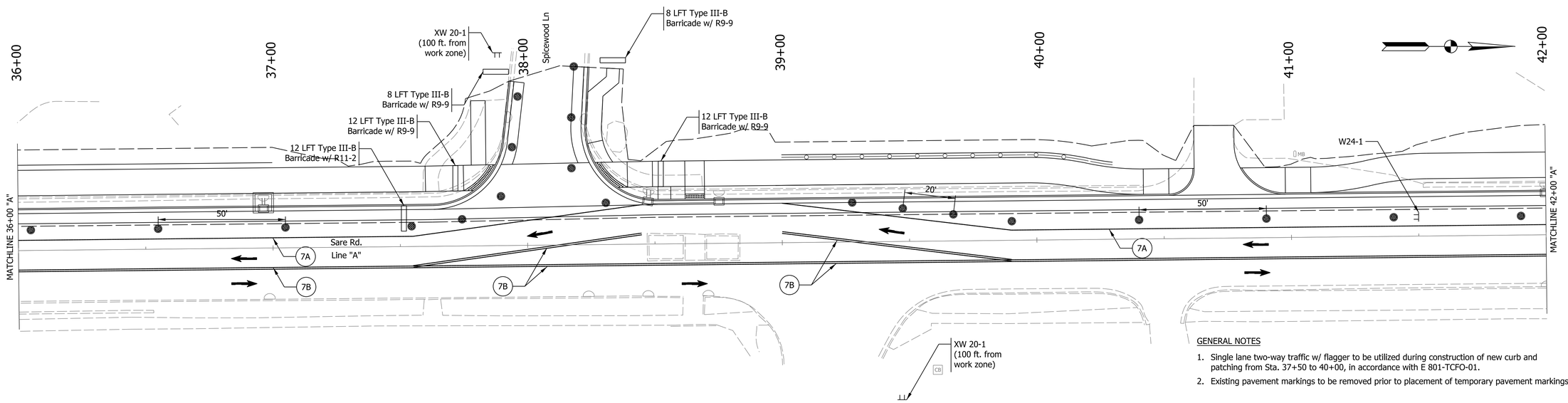
CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	11 of 97
CONTRACT	PROJECT
R-40294	1700736





GENERAL NOTES

1. Single lane two-way traffic w/ flagger to be utilized during construction of new curb and patching from Sta. 37+50 to 40+00, in accordance with E 801-TCFO-01.
2. Existing pavement markings to be removed prior to placement of temporary pavement markings.

- Channelization Device
- Typical Sign Standard
- Traffic Direction
- Flashing Arrow Sign

- 7A Temp. Pavement Marking, Removable, 4 IN. (White)
- 7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)
- 7C Temp. Transverse Pavement Marking, Removable, 24 IN.
- 7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow
- 7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable
- 7F Temp. Pavement Marking, Dotted, White, 4 In., Removable

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

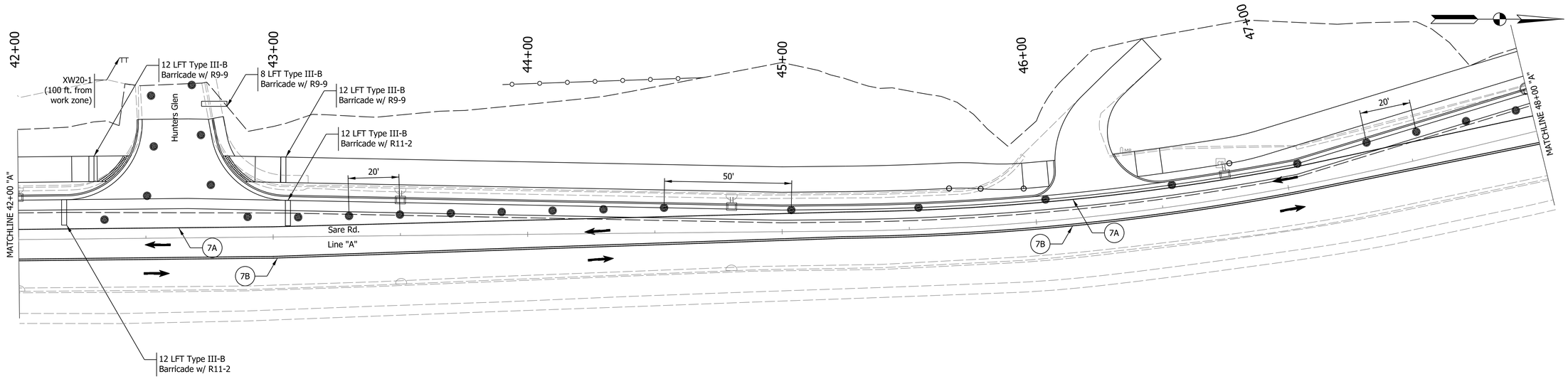
INDIANA
DEPARTMENT OF TRANSPORTATION

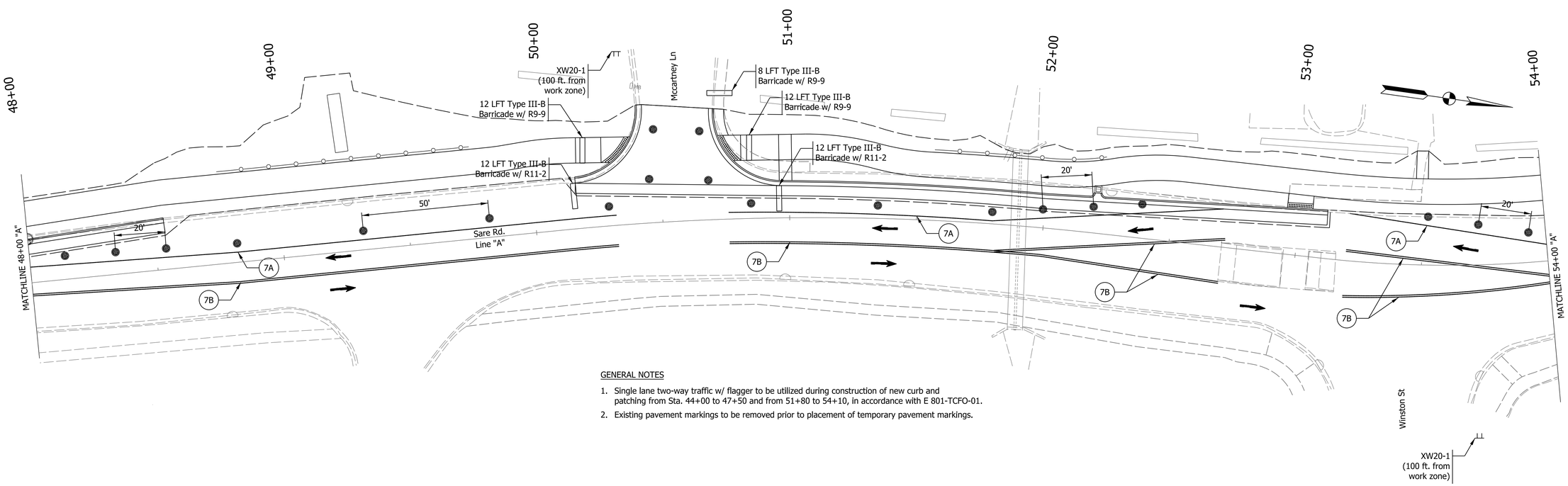
MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	12 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht MOT 20_01.dgn





GENERAL NOTES

1. Single lane two-way traffic w/ flagger to be utilized during construction of new curb and patching from Sta. 44+00 to 47+50 and from 51+80 to 54+10, in accordance with E 801-TCFO-01.
2. Existing pavement markings to be removed prior to placement of temporary pavement markings.

Channelization Device	7A Temp. Pavement Marking, Removable, 4 IN. (White)	7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow
Typical Sign Standard	7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)	7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable
Traffic Direction	7C Temp. Transverse Pavement Marking, Removable, 24 IN.	7F Temp. Pavement Marking, Dotted, White, 4 In., Removable
Flashing Arrow Sign		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

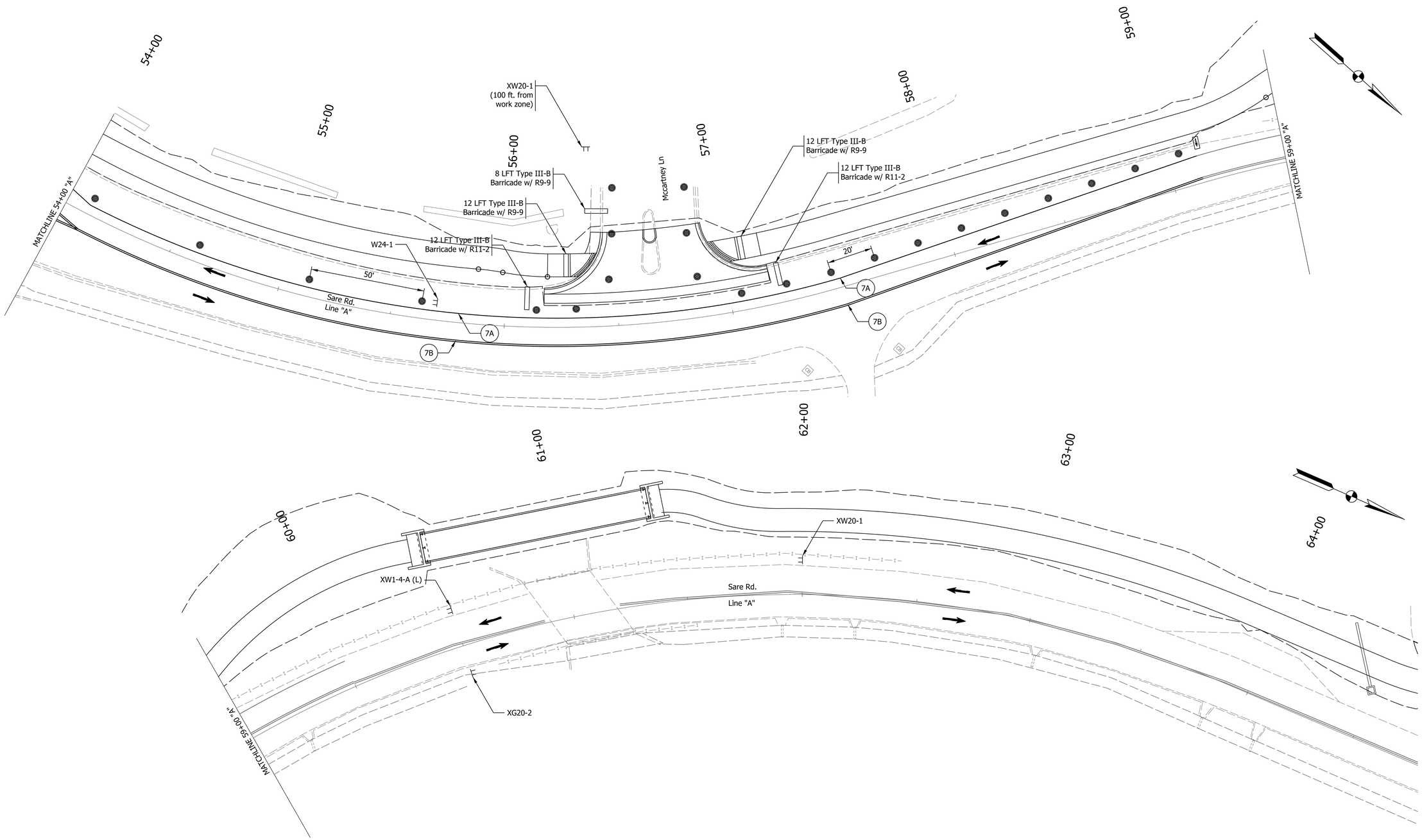
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	13 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht MOT 20_02.dgn



Channelization Device
Typical Sign Standard
Traffic Direction
Flashing Arrow Sign

7A Temp. Pavement Marking, Removable, 4 IN. (White)
7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)
7C Temp. Transverse Pavement Marking, Removable, 24 IN.
7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow
7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable
7F Temp. Pavement Marking, Dotted, White, 4 In., Removable

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

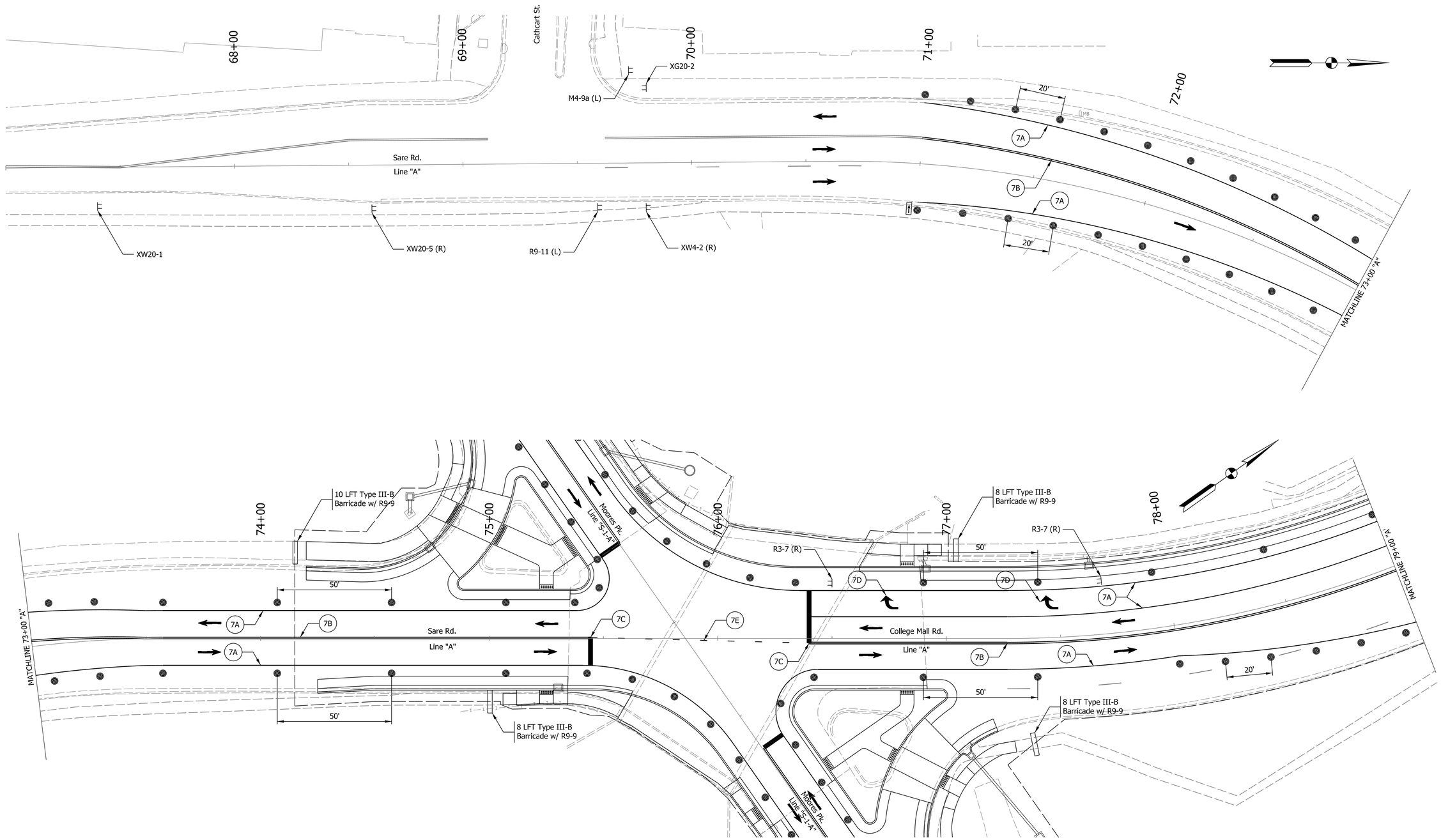
DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	14 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Sheet Files\Sht MOT 20_03.dgn



Channelization Device	7A Temp. Pavement Marking, Removable, 4 IN. (White)	7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow	
Typical Sign Standard	7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)	7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable	
Traffic Direction	7C Temp. Transverse Pavement Marking, Removable, 24 IN.	7F Temp. Pavement Marking, Dotted, White, 4 In., Removable	
Flashing Arrow Sign			

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL John Bowen 11/25/2019
DESIGN ENGINEER DATE

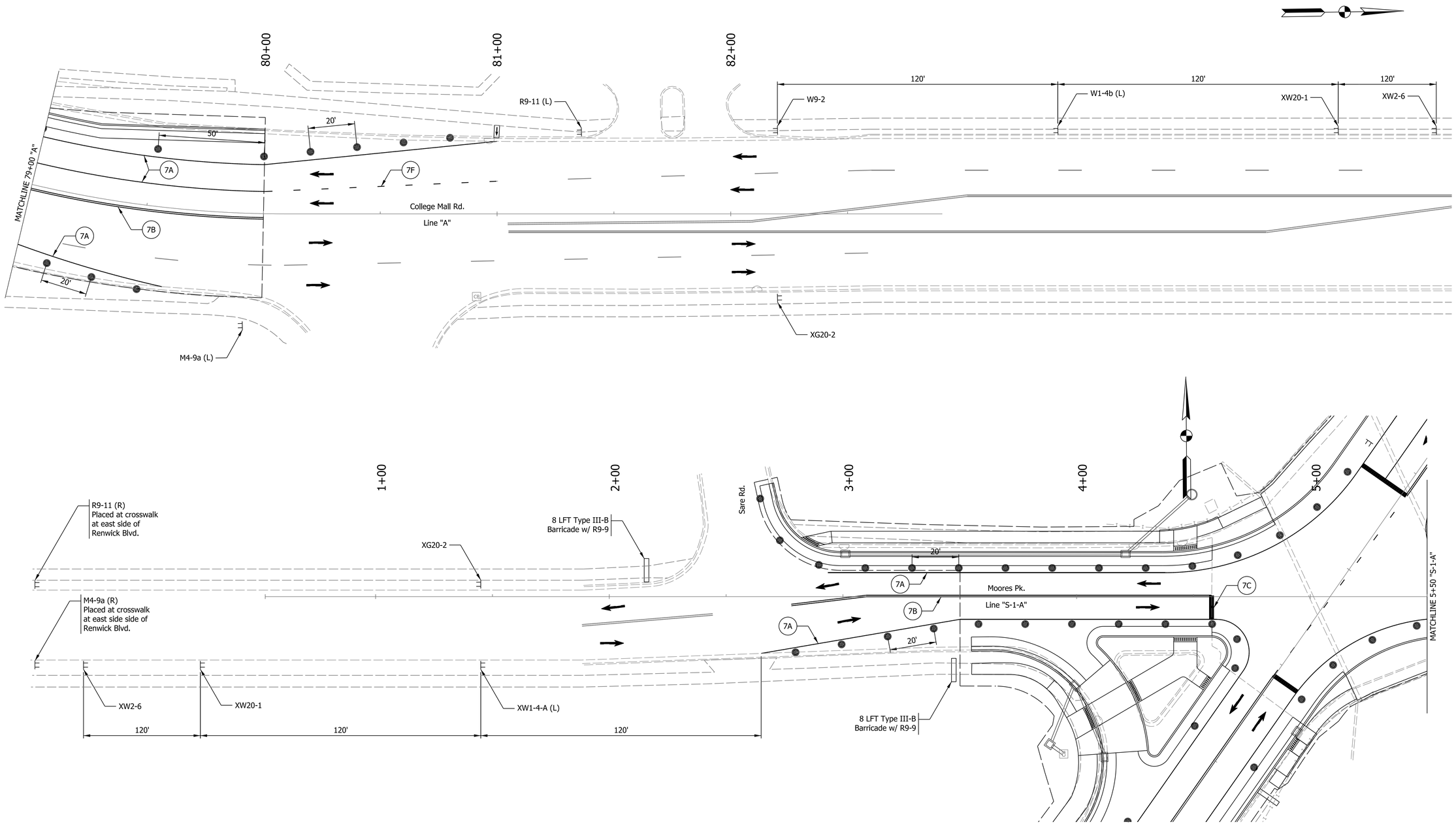
DESIGNED: JLB DRAWN: JLB
CHECKED: JPP CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	15 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Sheet Files\Sht MOT 20_04.dgn



Channelization Device	7A Temp. Pavement Marking, Removable, 4 IN. (White)	7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow
Typical Sign Standard	7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)	7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable
Traffic Direction	7C Temp. Transverse Pavement Marking, Removable, 24 IN.	7F Temp. Pavement Marking, Dotted, White, 4 In., Removable
Flashing Arrow Sign		

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

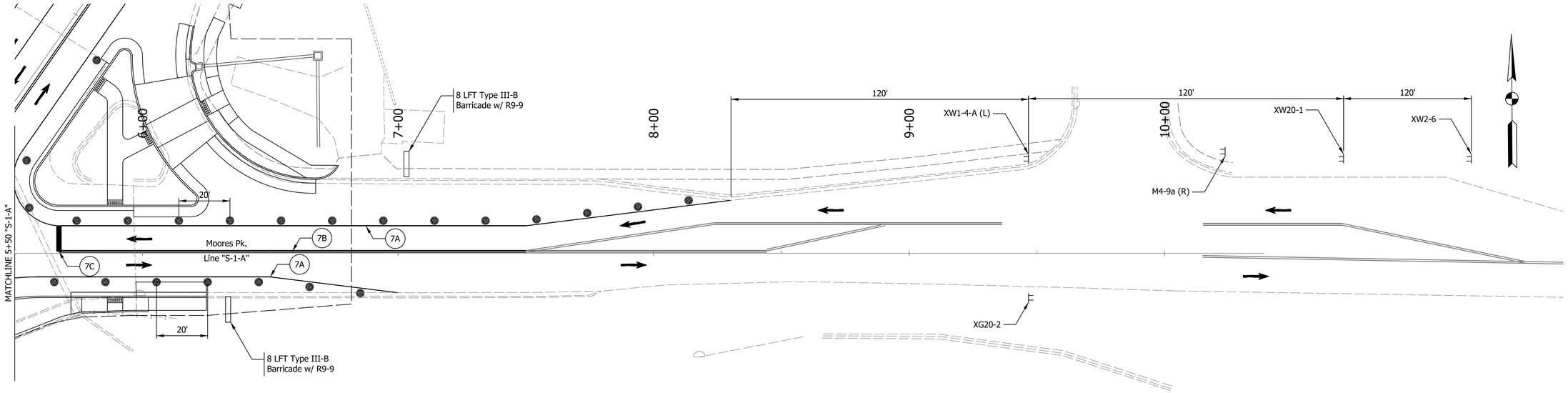
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	16 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht MOT 20_05.dgn



MAINTENANCE OF TRAFFIC QUANTITY SUMMARY

Location (Phase)	Temporary Transverse Pavement Marking, Removable, 24 in.	Temporary Pavement Marking, Removable, 4 in.	Temp. Pavement Message Marking, Lane Indication Arrow	Line, Remove	Construction Sign, A	Construction Sign, B	Road Closure Sign Assembly	Barricade, Type III-B	Flashing Arrow Sign
	LFT	LFT	Each	LFT	Each	Each	Each	LFT	Day
Sare Rd.	55	14194	2	12122	56	34	33	324	360
Undistributed - Use at discretion of Engineer					14	9	2	21	
Totals	55	14194	2	12122	70	43	35	345	360

Channelization Device
Typical Sign Standard
Traffic Direction
Flashing Arrow Sign

7A Temp. Pavement Marking, Removable, 4 IN. (White)
7B Temp. Pavement Marking, Removable, 4 IN. (Yellow)
7C Temp. Transverse Pavement Marking, Removable, 24 IN.
7D Temp. Pavement Message Marking, Removable, Lane Indication Arrow
7E Temp. Pavement Marking, Dotted, Yellow, 4 In., Removable
7F Temp. Pavement Marking, Dotted, White, 4 In., Removable

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

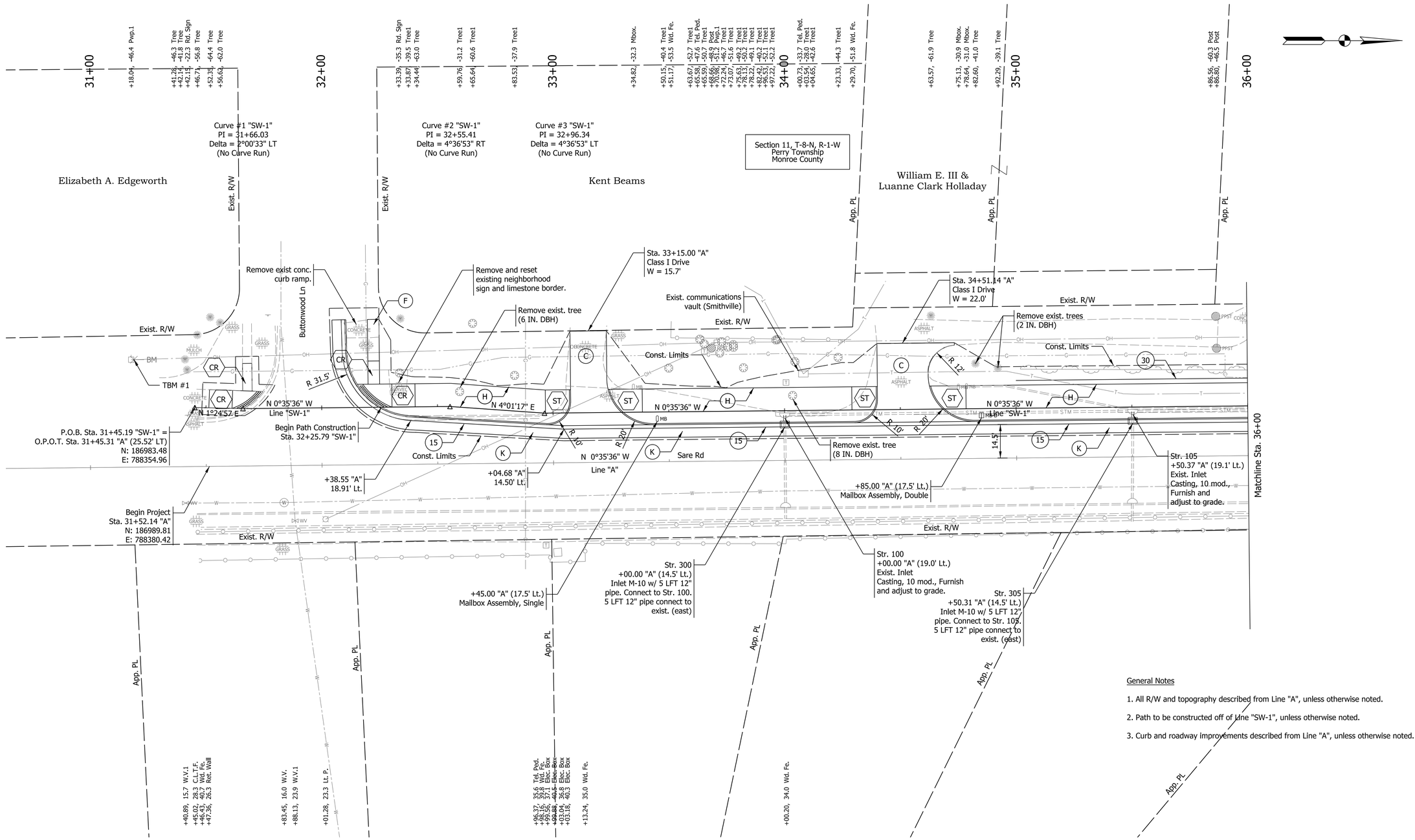
DESIGNED: JLB DRAWN: JLB
CHECKED: JPP CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	17 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM
T:\188456\Roadway\Sheet Files\Sht MOT 20_06.dgn



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.
2. Path to be constructed off of Line "SW-1", unless otherwise noted.
3. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL John Bowen 11/25/2019
DESIGN ENGINEER DATE

DESIGNED: JLB DRAWN: JLB
CHECKED: JPP CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 31+00.00 TO STA. 36+00.00

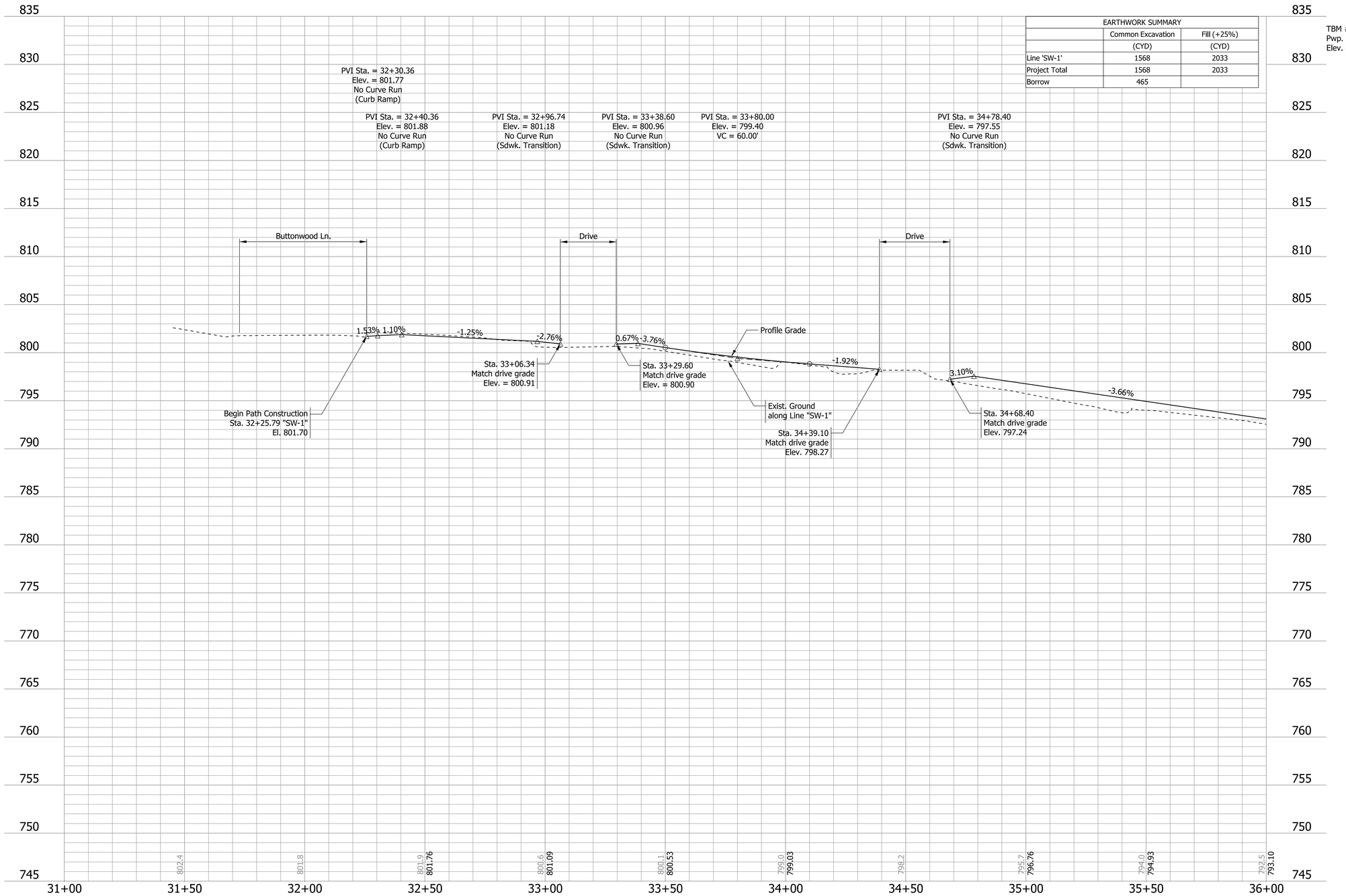
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	18 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:02 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_01.dgn

EARTHWORK SUMMARY		
	Common Excavation	Fill (+25%)
	(CYD)	(CYD)
Line 'SW-1'	1568	2033
Project Total	1568	2033
Borrow	465	

TBM #1 - Boat spike E. face
Pwp. 176-604 1.0' A.G.
Elev. 802.87'



JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

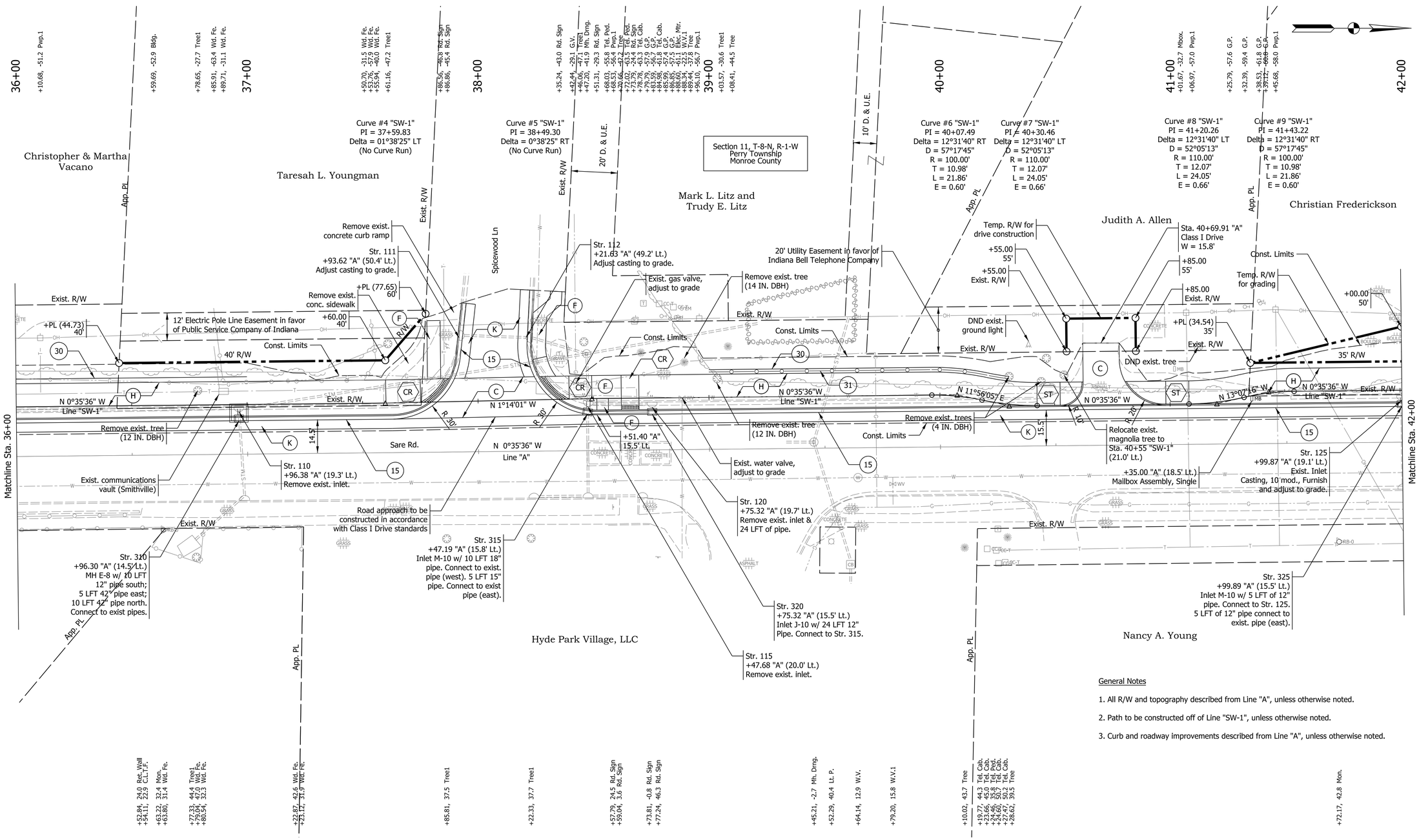
INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 31+00.00 TO 36+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	19 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_01.dgn



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.
2. Path to be constructed off of Line "SW-1", unless otherwise noted.
3. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

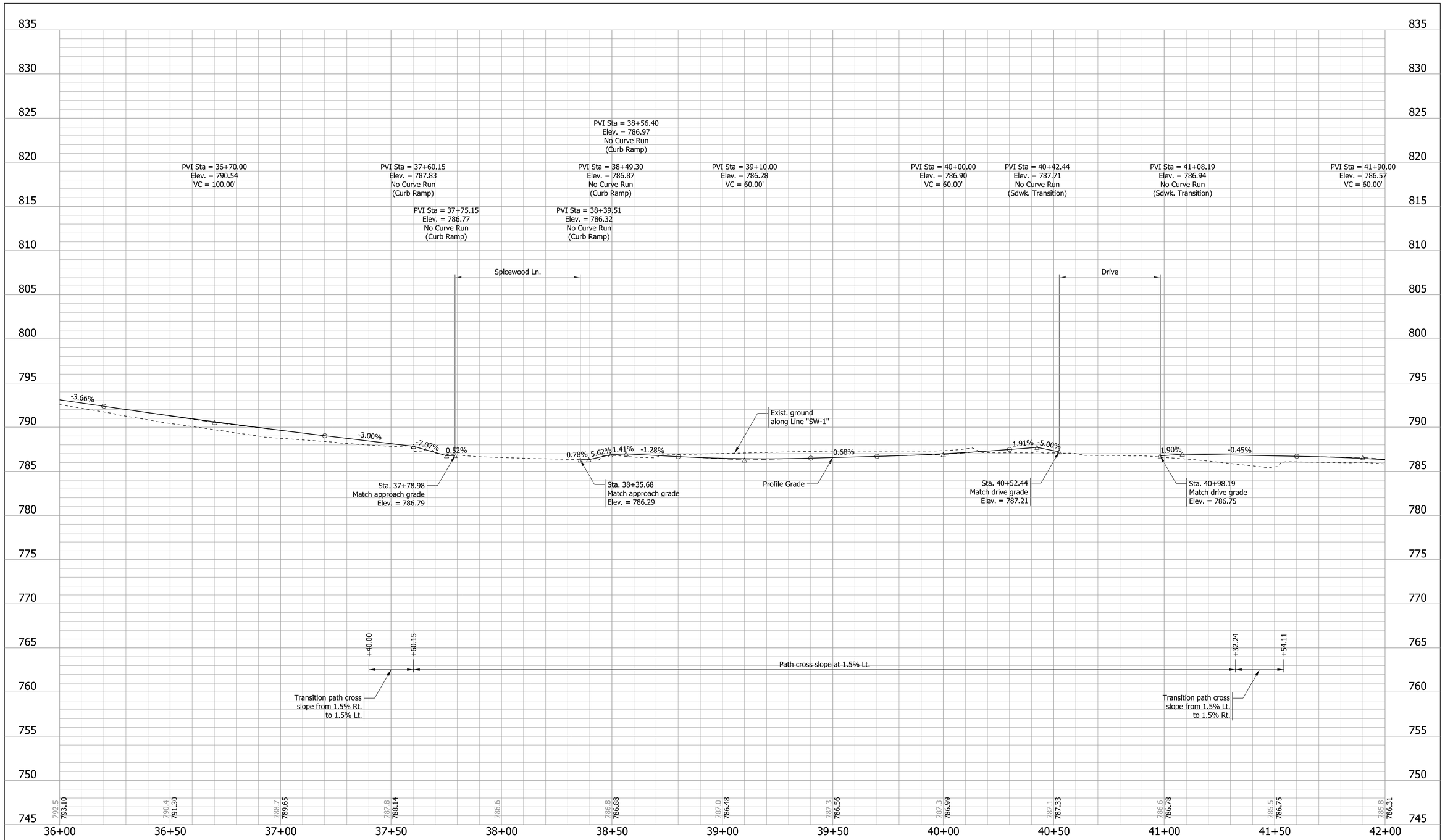
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 36+00.00 TO 42+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	20 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_02.dgn



Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_02.dgn

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

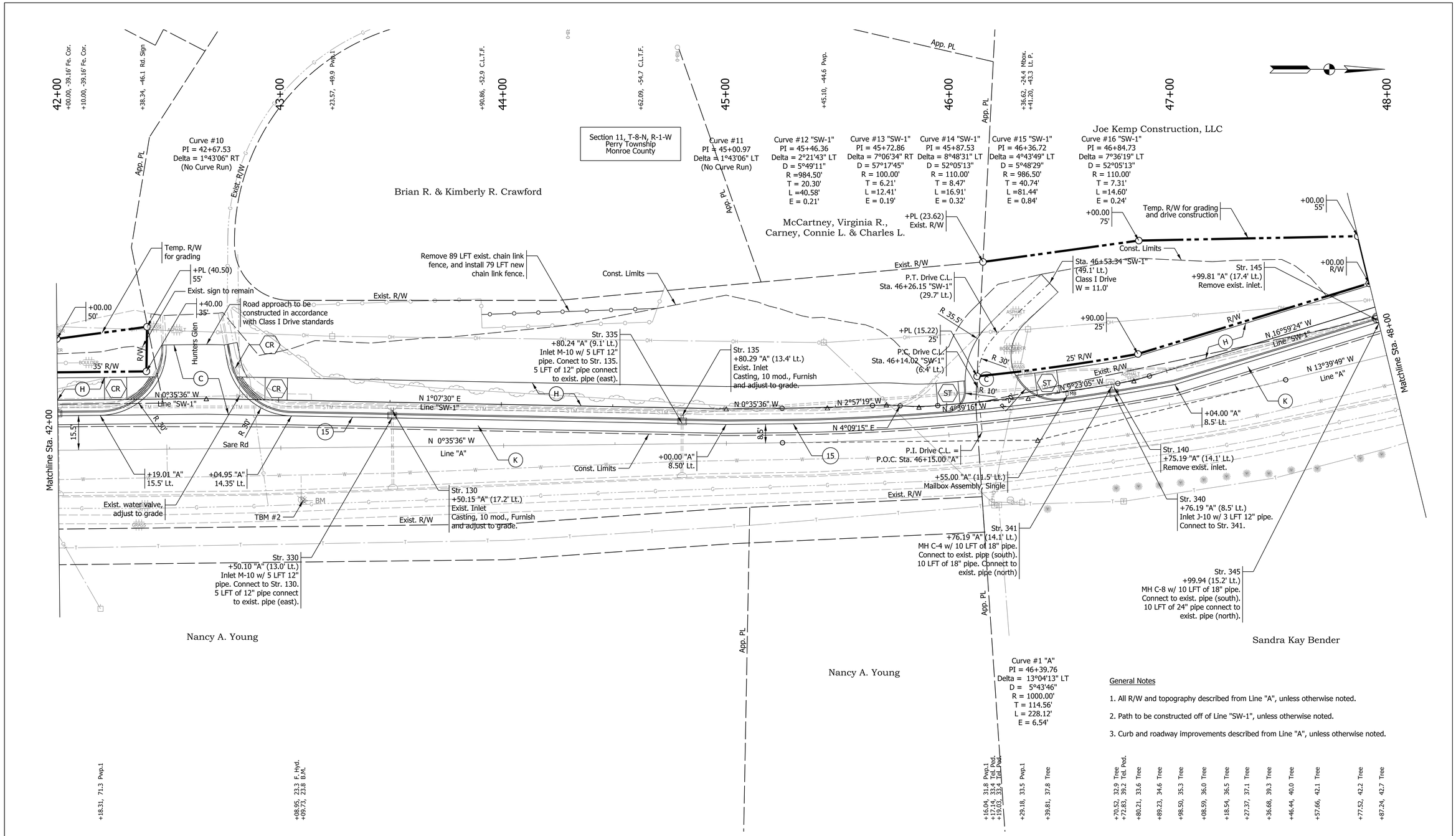
DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 36+00.00 TO STA. 42+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	21 of 97
CONTRACT	PROJECT
R-40294	1700736



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.

2. Path to be constructed off of Line "SW-1", unless otherwise noted.

3. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWER
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

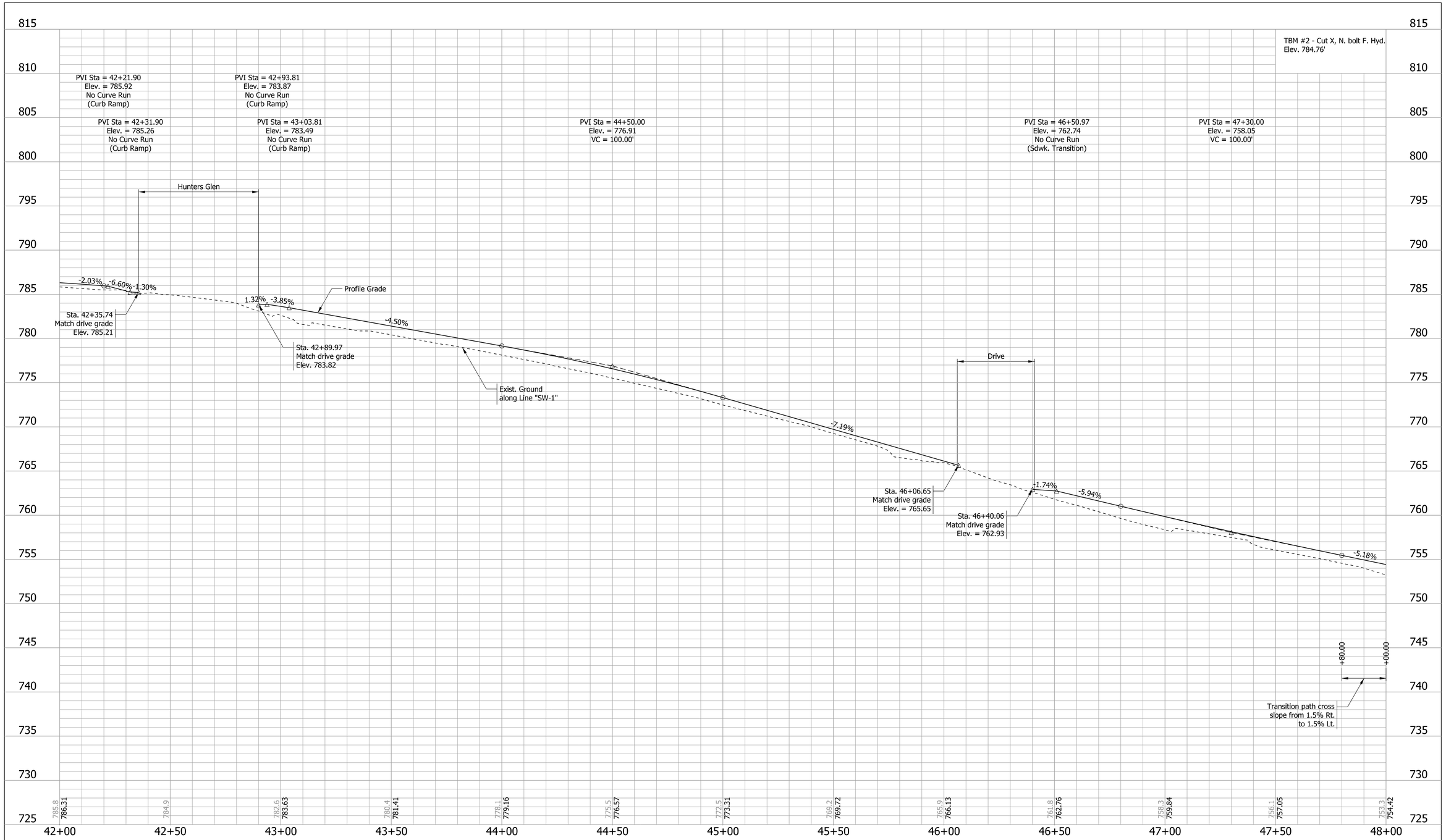
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 42+00.00 TO 48+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	22 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_03.dgn



Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_03.dgn

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

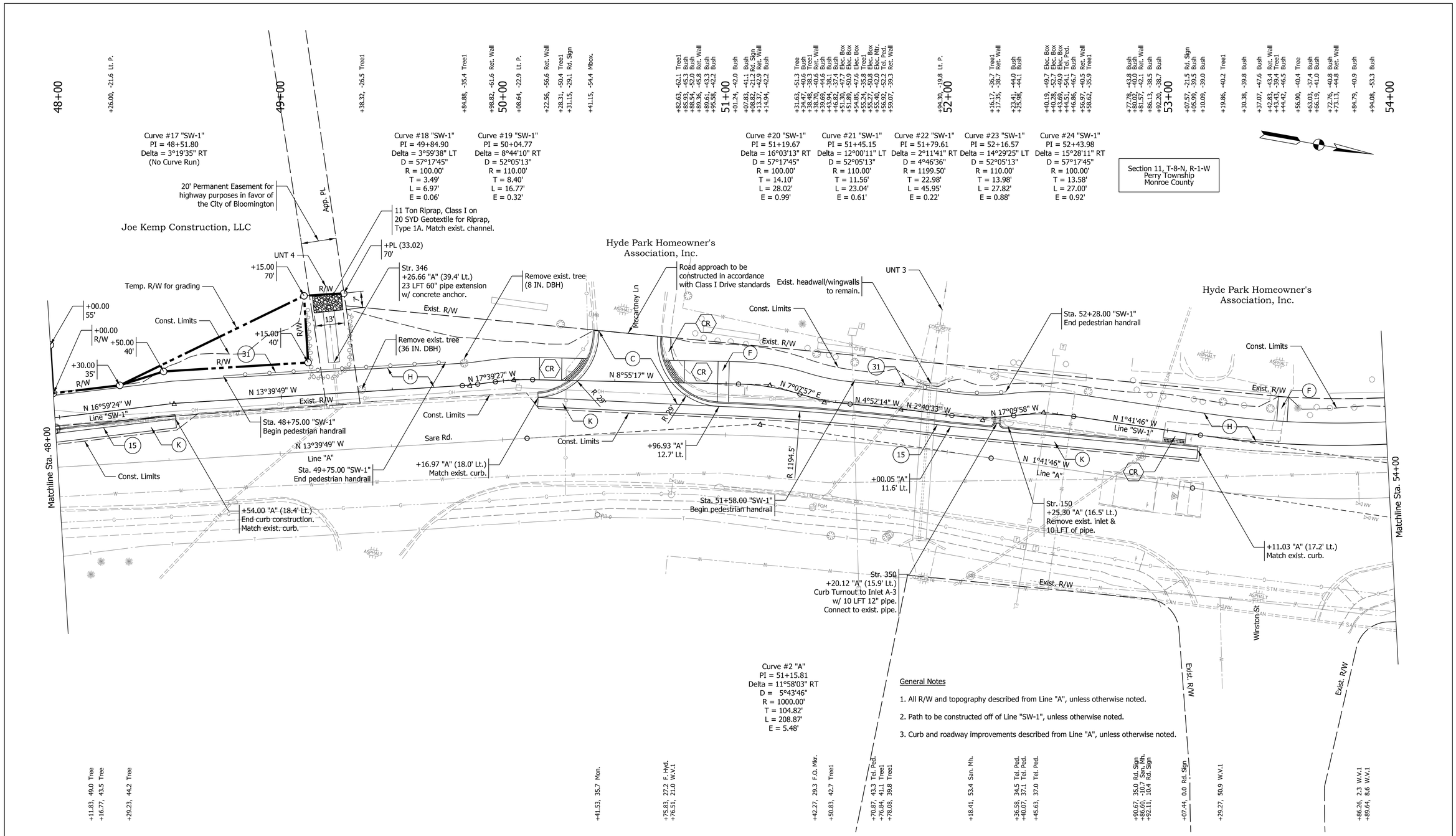
DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 42+00.00 TO 48+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	23 of 97
CONTRACT	PROJECT
R-40294	1700736



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.
2. Path to be constructed off of Line "SW-1", unless otherwise noted.
3. Curb and roadway improvements described from Line "A", unless otherwise noted.

(H)	HMA For Sidewalk	(K)	HMA Patching, Type C	(22)	Center Curb D, Concrete	(CR)	Curb Ramp, Concrete
(C)	PCCP For Approaches, 6 IN	(13)	Curb, Concrete	(30)	Cut Wall	(ST)	Sidewalk Transition, Concrete
(F)	Sidewalk, Concrete	(15)	Curb and Gutter, Concrete, Modified	(31)	Hand Rail, Pedestrian		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

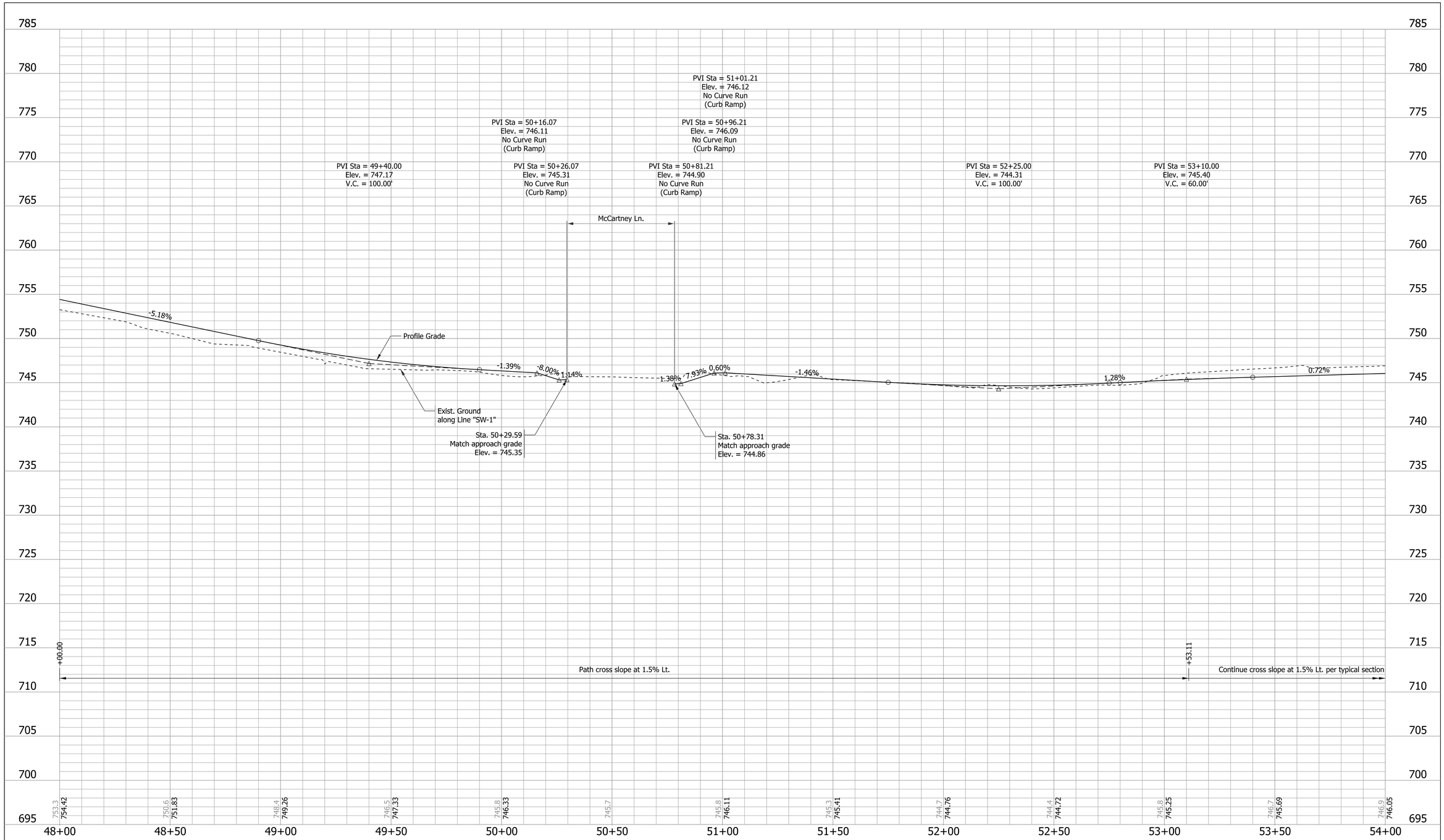
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 48+00.00 TO 54+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	24 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_04.dgn



JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

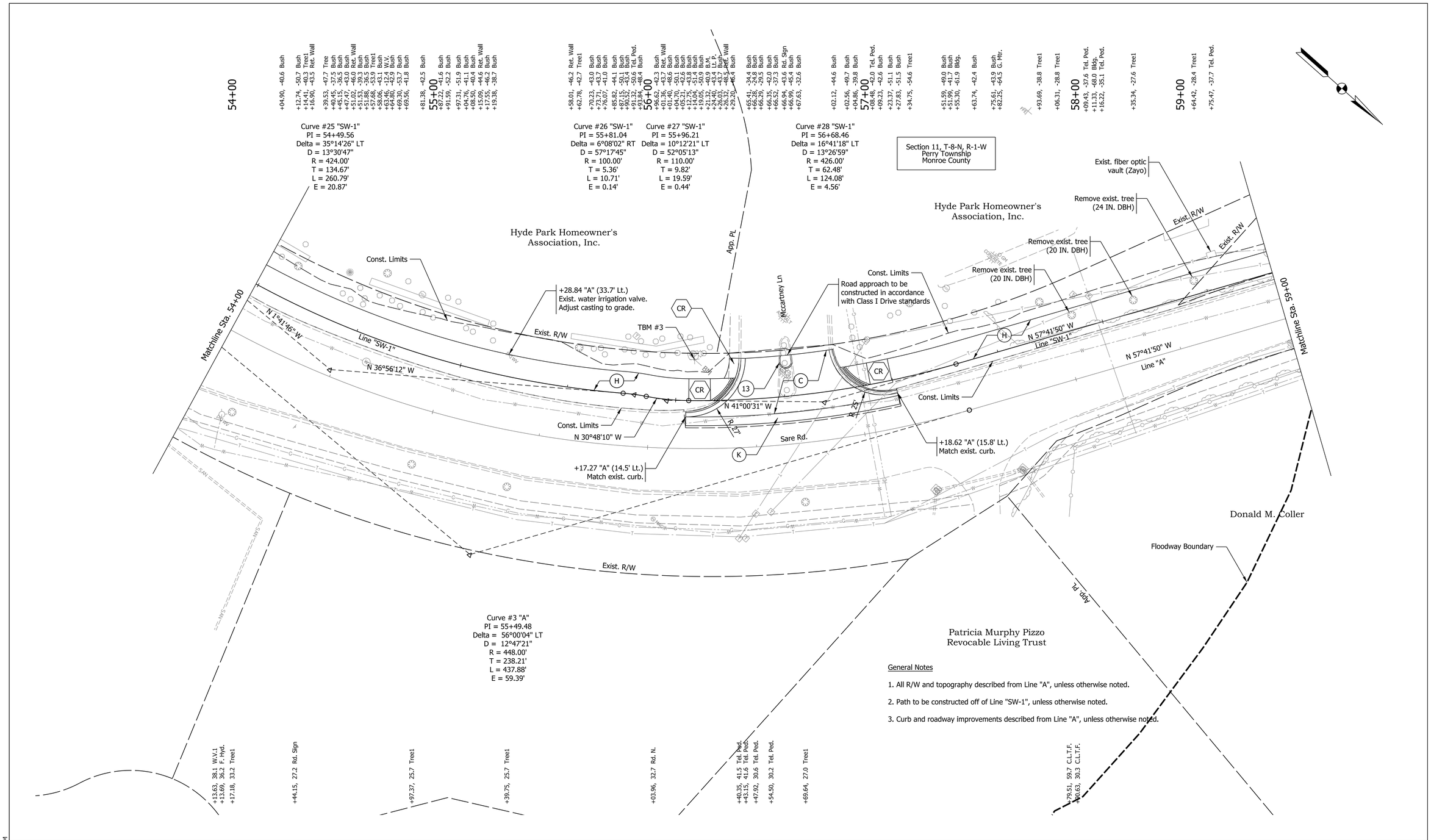
INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 48+00.00 TO 54+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	25 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_04.dgn



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.
2. Path to be constructed off of Line "SW-1", unless otherwise noted.
3. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB | DRAWN: JLB
CHECKED: JPP | CHECKED: JPP

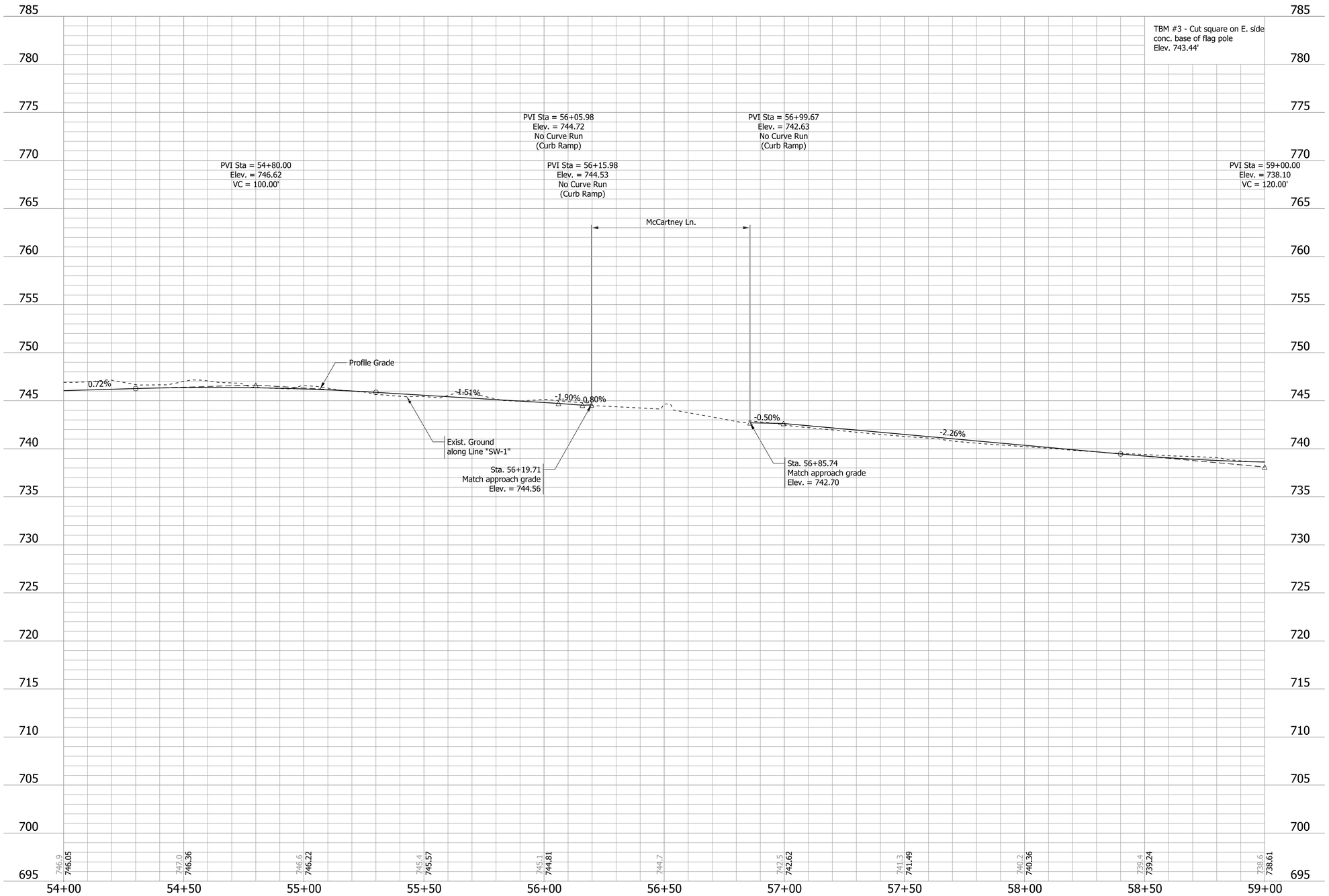
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 54+00.00 TO STA. 59+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	26 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_05.dgn



Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_05.dgn

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

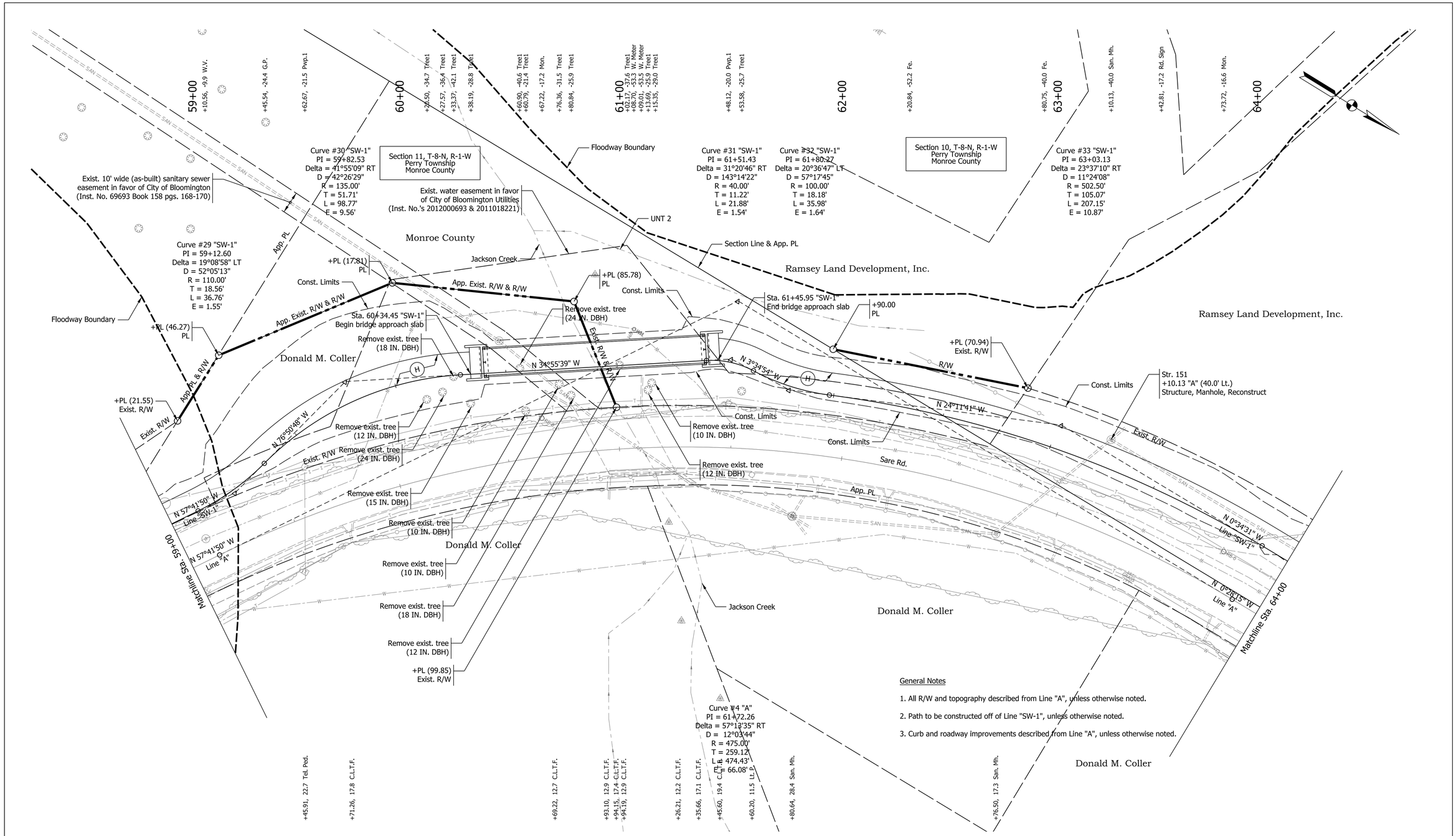
DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 54+00.00 TO 59+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	27 of 97
CONTRACT	PROJECT
R-40294	1700736



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.
2. Path to be constructed off of Line "SW-1", unless otherwise noted.
3. Curb and roadway improvements described from Line "A", unless otherwise noted.

(H) HMA For Sidewalk	(K) HMA Patching, Type C	(22) Center Curb D, Concrete	(CR) Curb Ramp, Concrete
(C) PCCP For Approaches, 6 IN	(13) Curb, Concrete	(30) Cut Wall	(ST) Sidewalk Transition, Concrete
(F) Sidewalk, Concrete	(15) Curb and Gutter, Concrete, Modified	(31) Hand Rail, Pedestrian	

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB DRAWN: JLB
CHECKED: JPP CHECKED: JPP

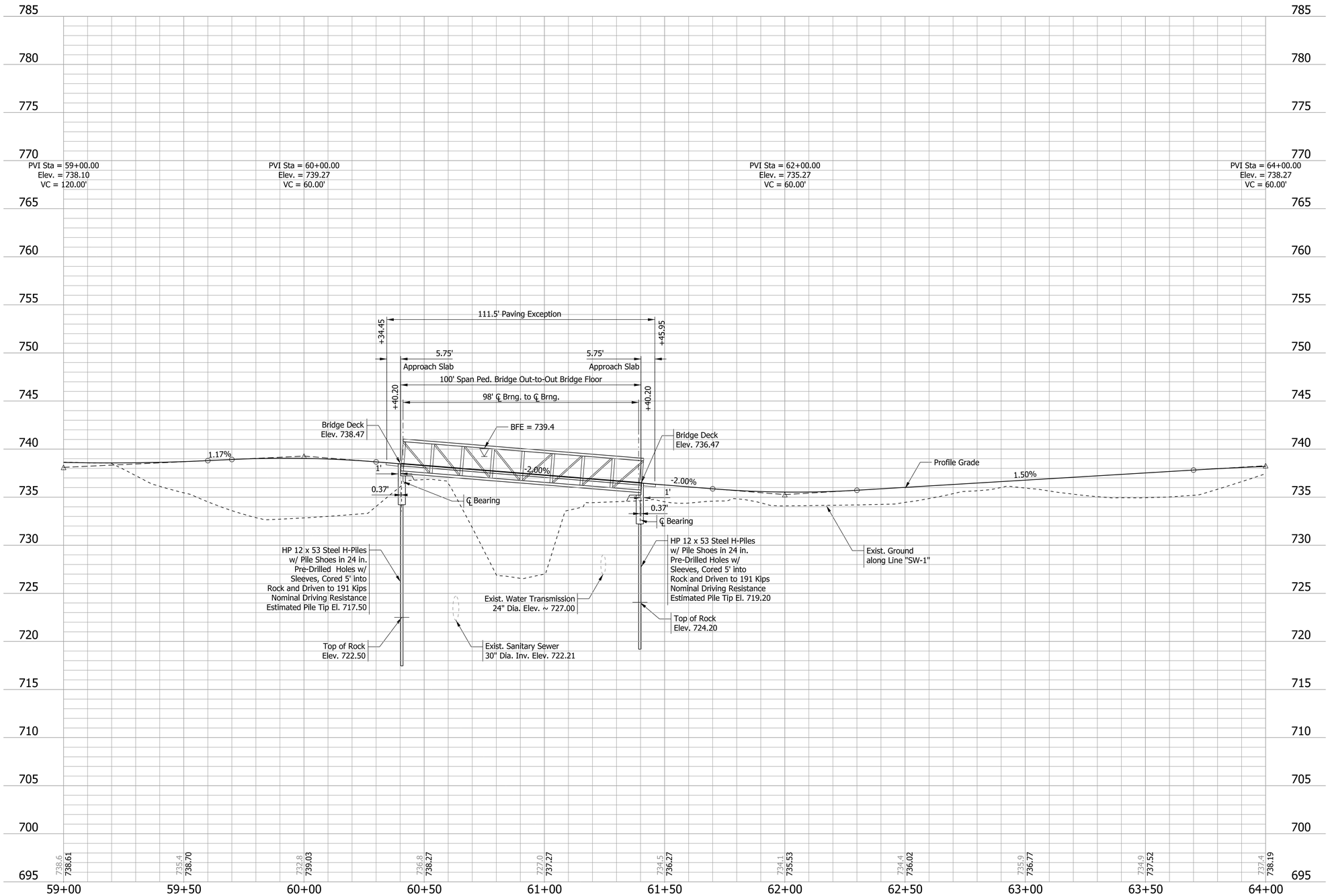
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 59+00.00 TO STA. 64+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	28 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_06.dgn



Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_06.dgn

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

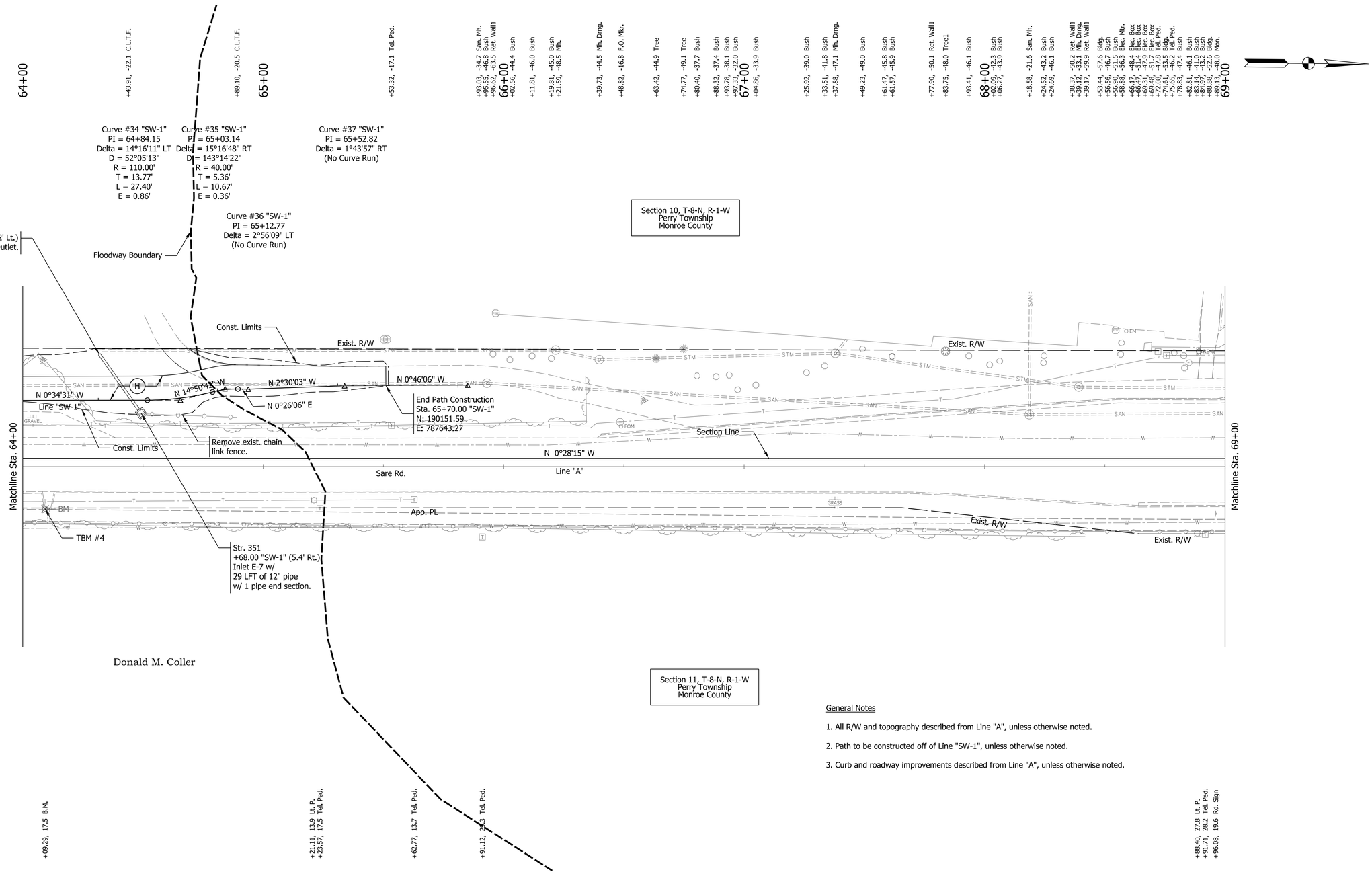
DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 59+00.00 TO 64+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	29 of 97
CONTRACT	PROJECT
R-40294	1700736



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.

2. Path to be constructed off of Line "SW-1", unless otherwise noted.

3. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWER REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB DRAWN: JLB

CHECKED: JPP CHECKED: JPP

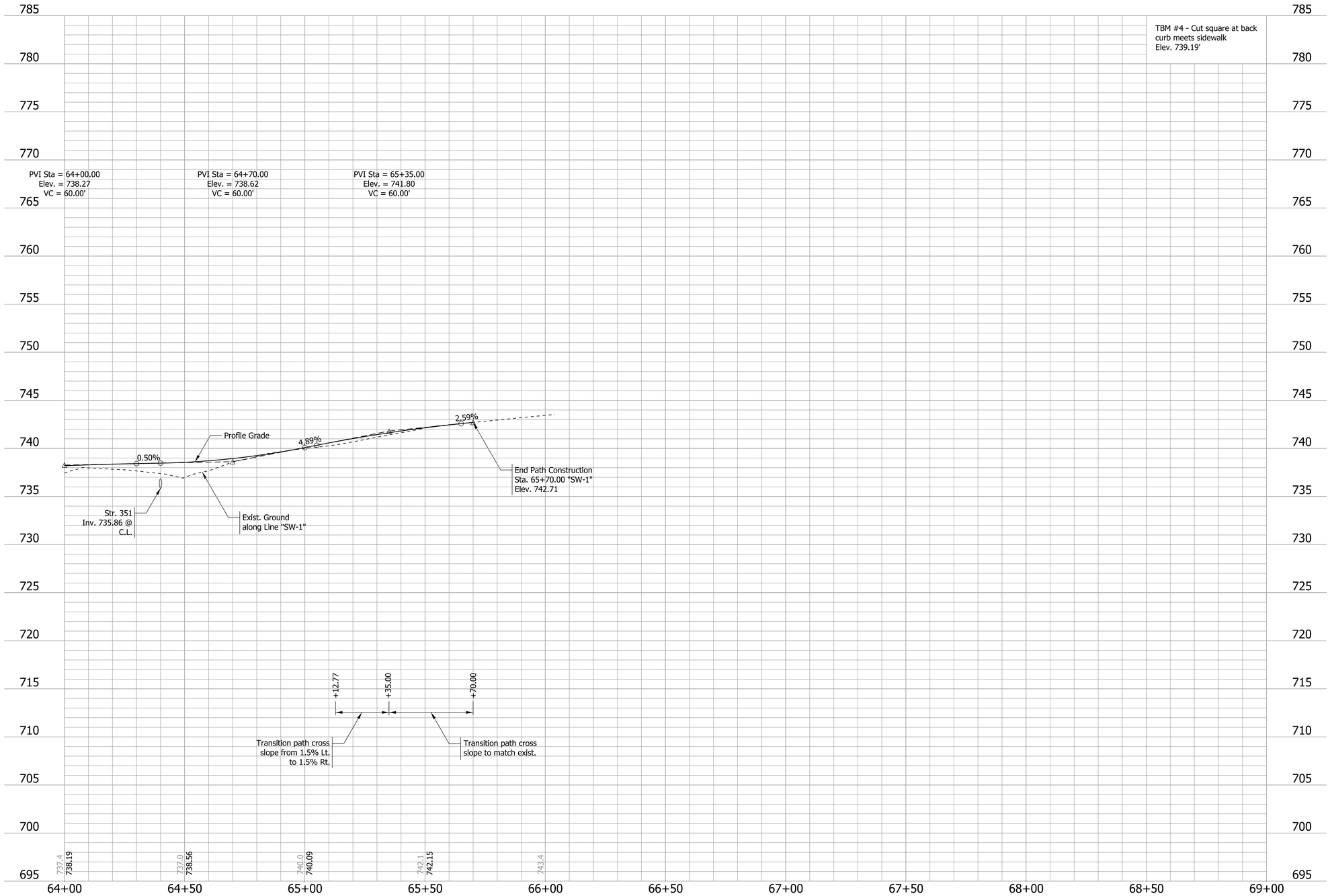
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "SW-1"
STA. 64+00.00 TO STA. 69+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	30 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_07.dgn



Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Prof 20_07.dgn

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

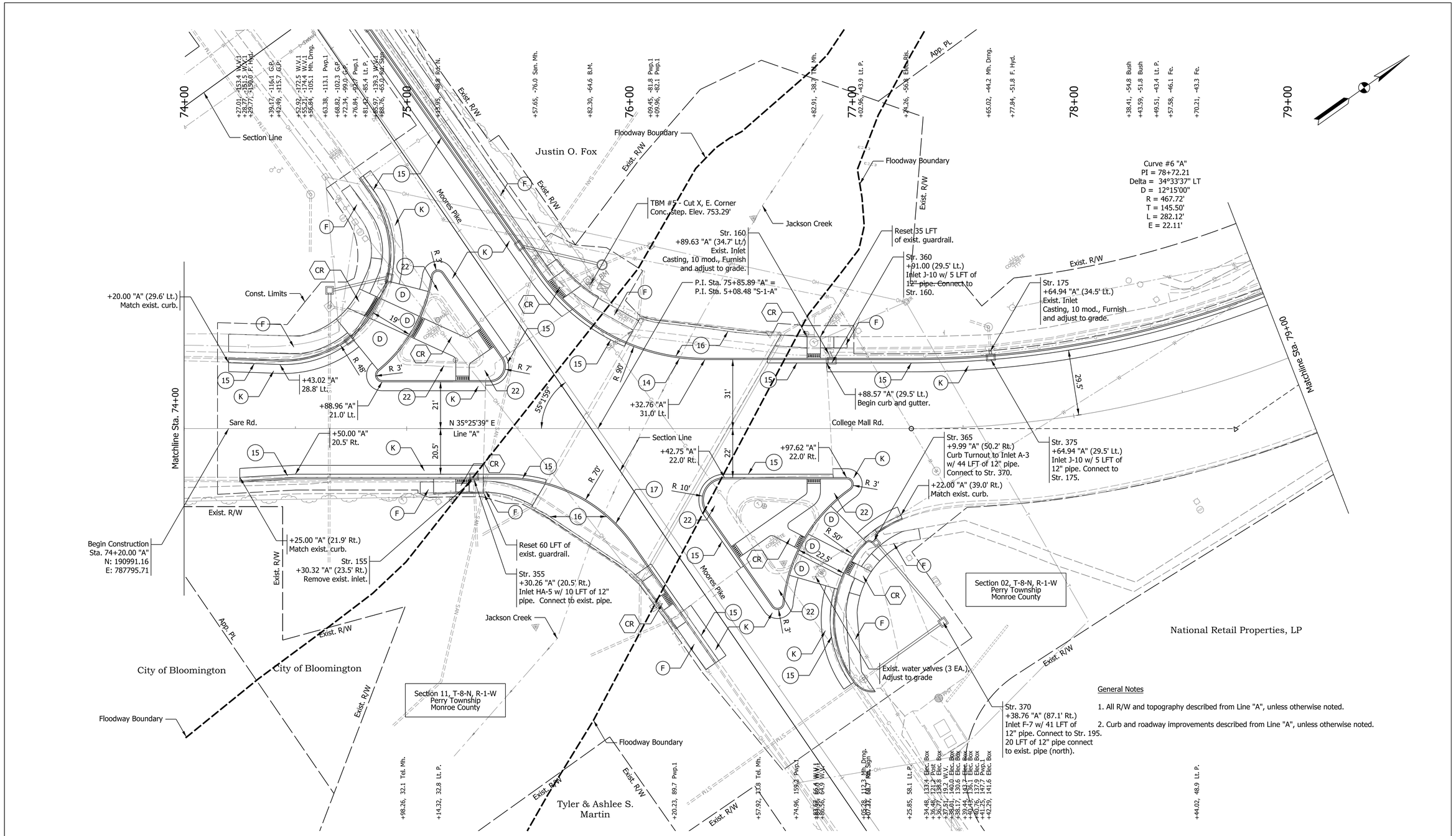
DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "SW-1"
STA. 64+00.00 TO 69+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700736
SURVEY BOOK	SHEETS
	31 of 97
CONTRACT	PROJECT
R-40294	1700736



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.

2. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	16	Concrete, C, Superstructure	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	17	Curb , Bridge, 8 IN	ST	Sidewalk Transition, Concrete
D	Full Depth PCCP	14	Curb, Bridge, 6 IN	22	Center Curb, D, Concrete		
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	30	Cut Wall		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB DRAWN: JLB

CHECKED: JPP CHECKED: JPP

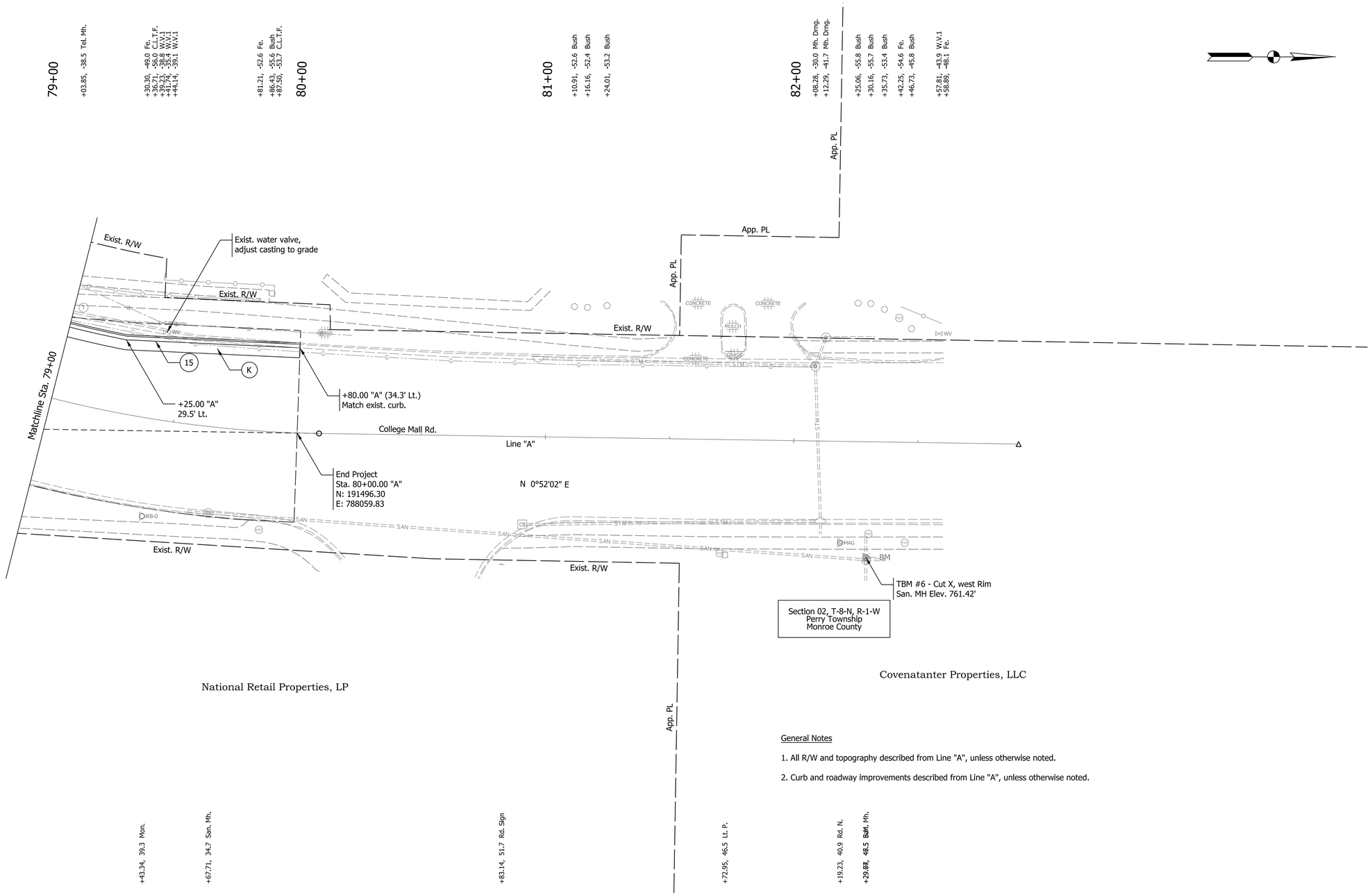
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "A"
STA. 74+00.00 TO STA. 79+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	32 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_09.dgn



General Notes

1. All R/W and topography described from Line "A", unless otherwise noted.

2. Curb and roadway improvements described from Line "A", unless otherwise noted.

H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb D, Concrete	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	30	Cut Wall	ST	Sidewalk Transition, Concrete
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian		

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: JLB DRAWN: JLB

CHECKED: JPP CHECKED: JPP

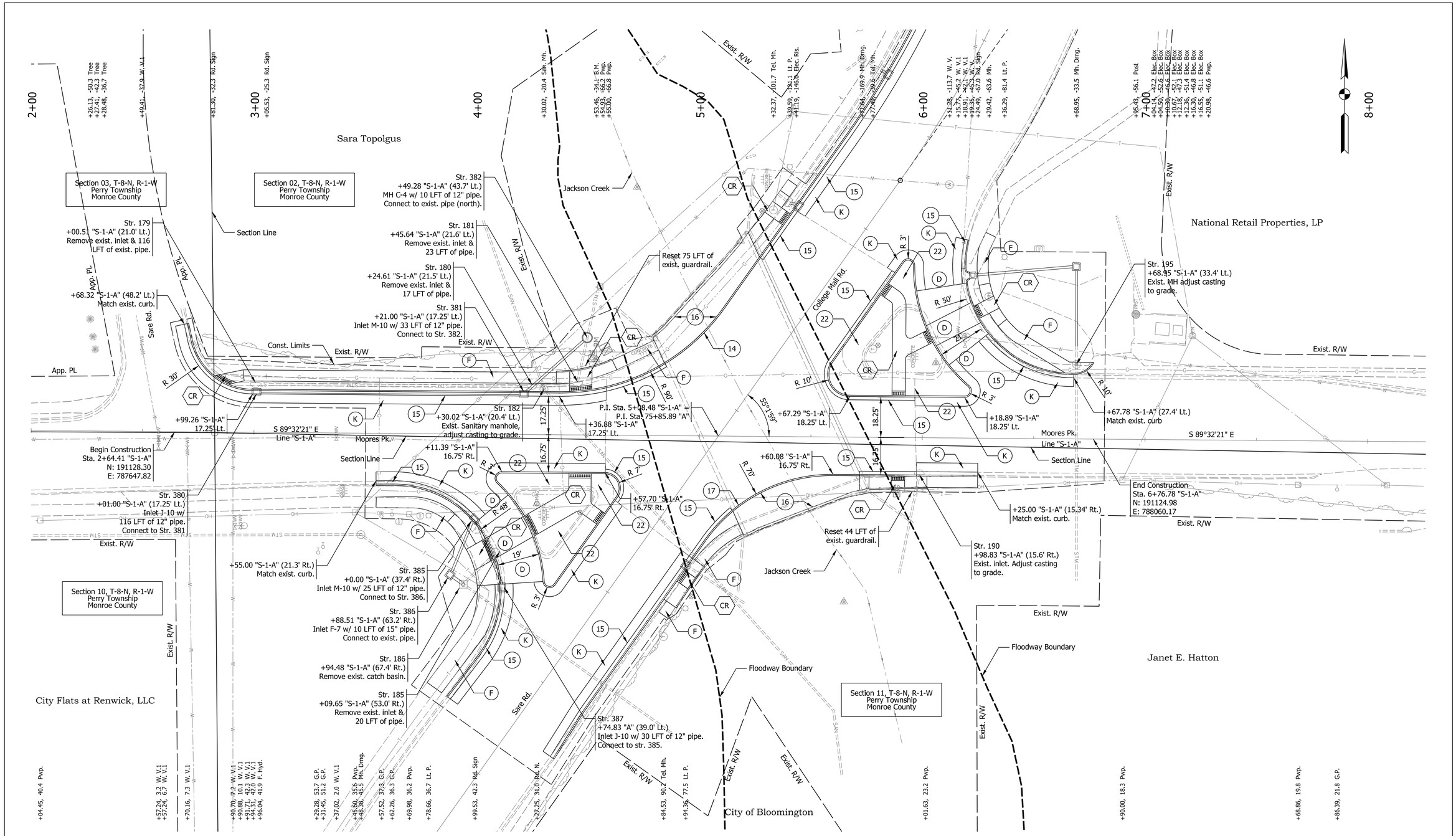
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "A"
STA. 79+00.00 TO STA. 82+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	33 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_10.dgn



H	HMA For Sidewalk	K	HMA Patching, Type C	16	Concrete, C, Superstructure	CR	Curb Ramp, Concrete
C	PCCP For Approaches, 6 IN	13	Curb, Concrete	17	Curb, Bridge, 8 IN	ST	Sidewalk Transition, Concrete
D	Full Depth PCCP	14	Curb, Bridge, 6 IN	22	Center Curb, D, Concrete		
F	Sidewalk, Concrete	15	Curb and Gutter, Concrete, Modified	30	Cut Wall		

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 11/25/2019

DESIGNED: JLB | DRAWN: JLB

CHECKED: JPP | CHECKED: JPP

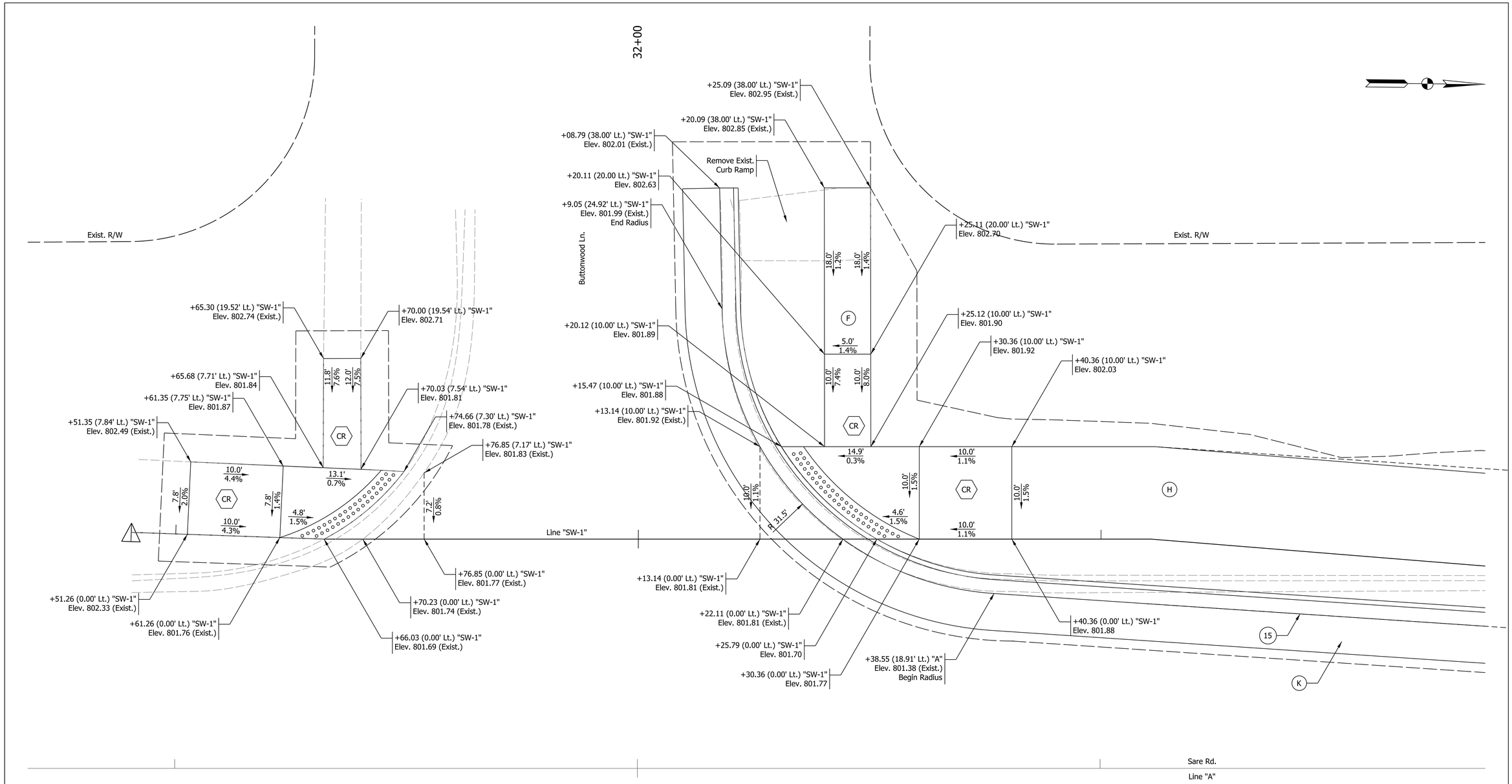
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "S-1-A"
STA. 2+00.00 TO STA. 8+00.00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	34 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht Plan 20_11.dgn



H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb, D, Concrete
F	Sidewalk, Concrete	13	Curb, Concrete	30	Cut Wall
CR	Curb Ramp	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF
CHECKED: JLB | CHECKED: JLB

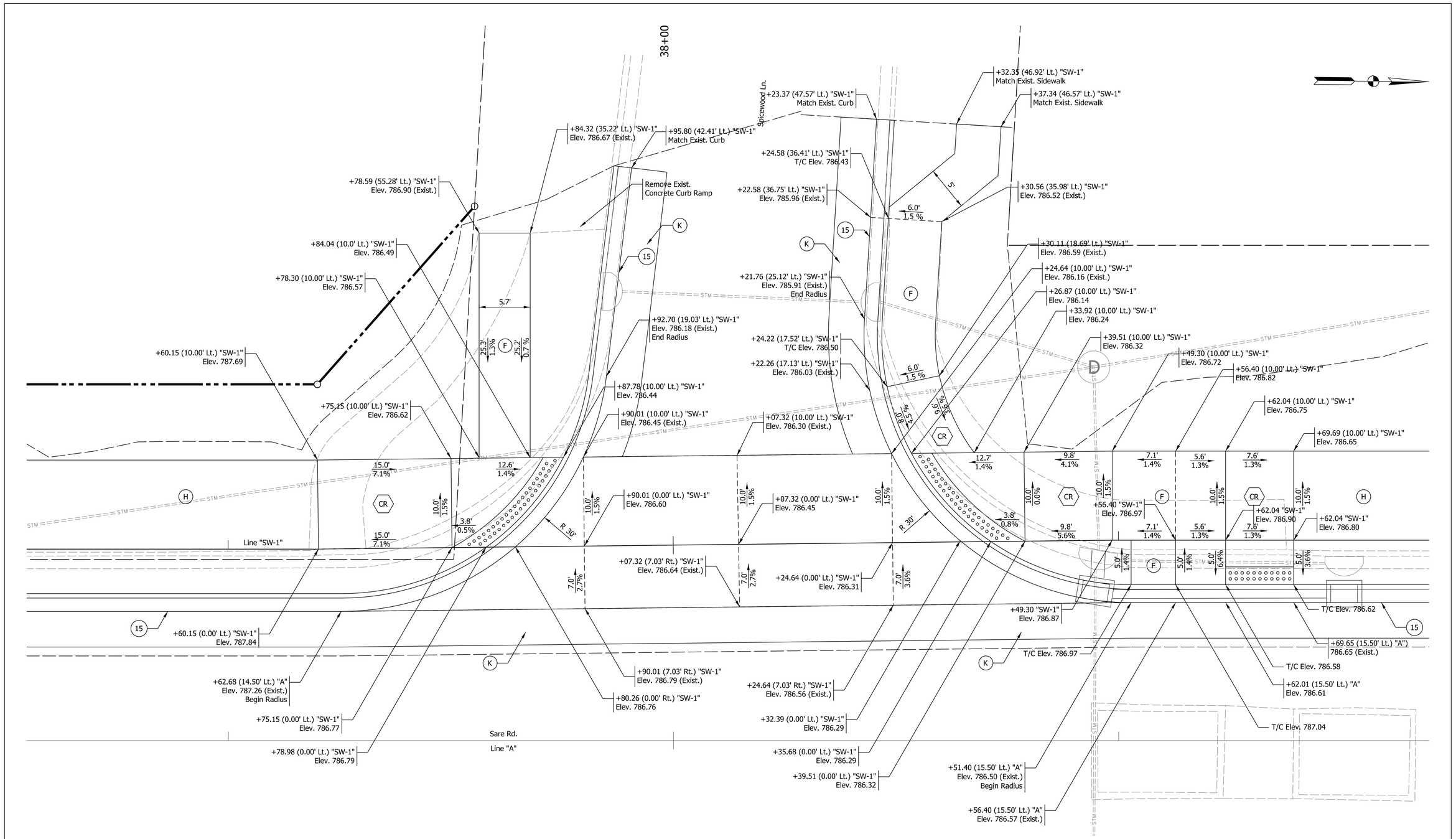
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
BUTTONWOOD LN.

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	35 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_01.dgn



(H) HMA For Sidewalk	(K) HMA Patching, Type C	(22) Center Curb, D, Concrete			
(F) Sidewalk, Concrete	(13) Curb, Concrete	(30) Cut Wall			
(CR) Curb Ramp	(15) Curb and Gutter, Concrete, Modified	(31) Hand Rail, Pedestrian			

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF

CHECKED: JLB | CHECKED: JLB

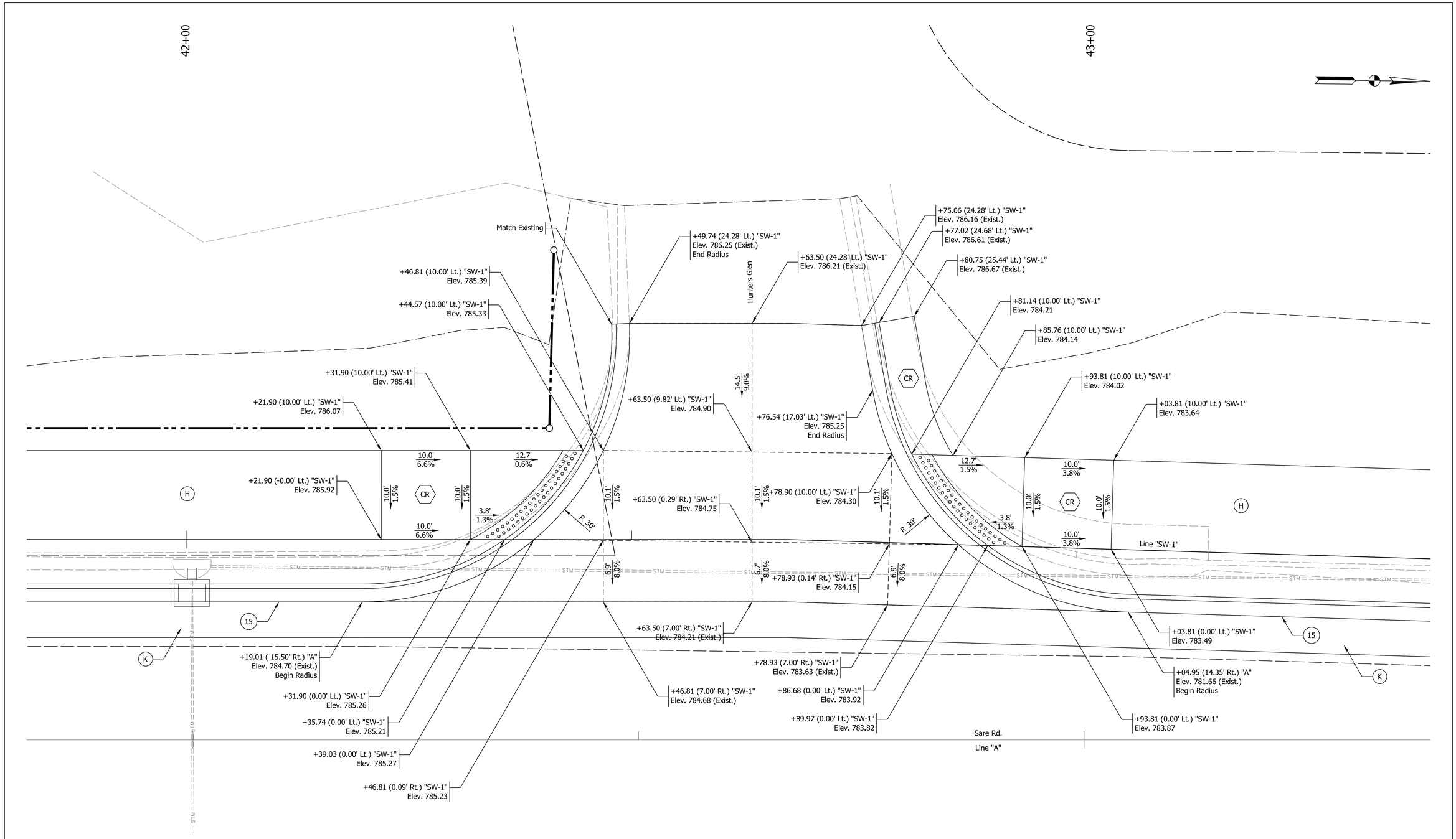
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
SPICEWOOD LN.

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	36 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_02.dgn



(H)	HMA For Sidewalk	(K)	HMA Patching, Type C	(22)	Center Curb, D, Concrete
(F)	Sidewalk, Concrete	(13)	Curb, Concrete	(30)	Cut Wall
(CR)	Curb Ramp	(15)	Curb and Gutter, Concrete, Modified	(31)	Hand Rail, Pedestrian

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF DRAWN: PJF
CHECKED: JLB CHECKED: JLB

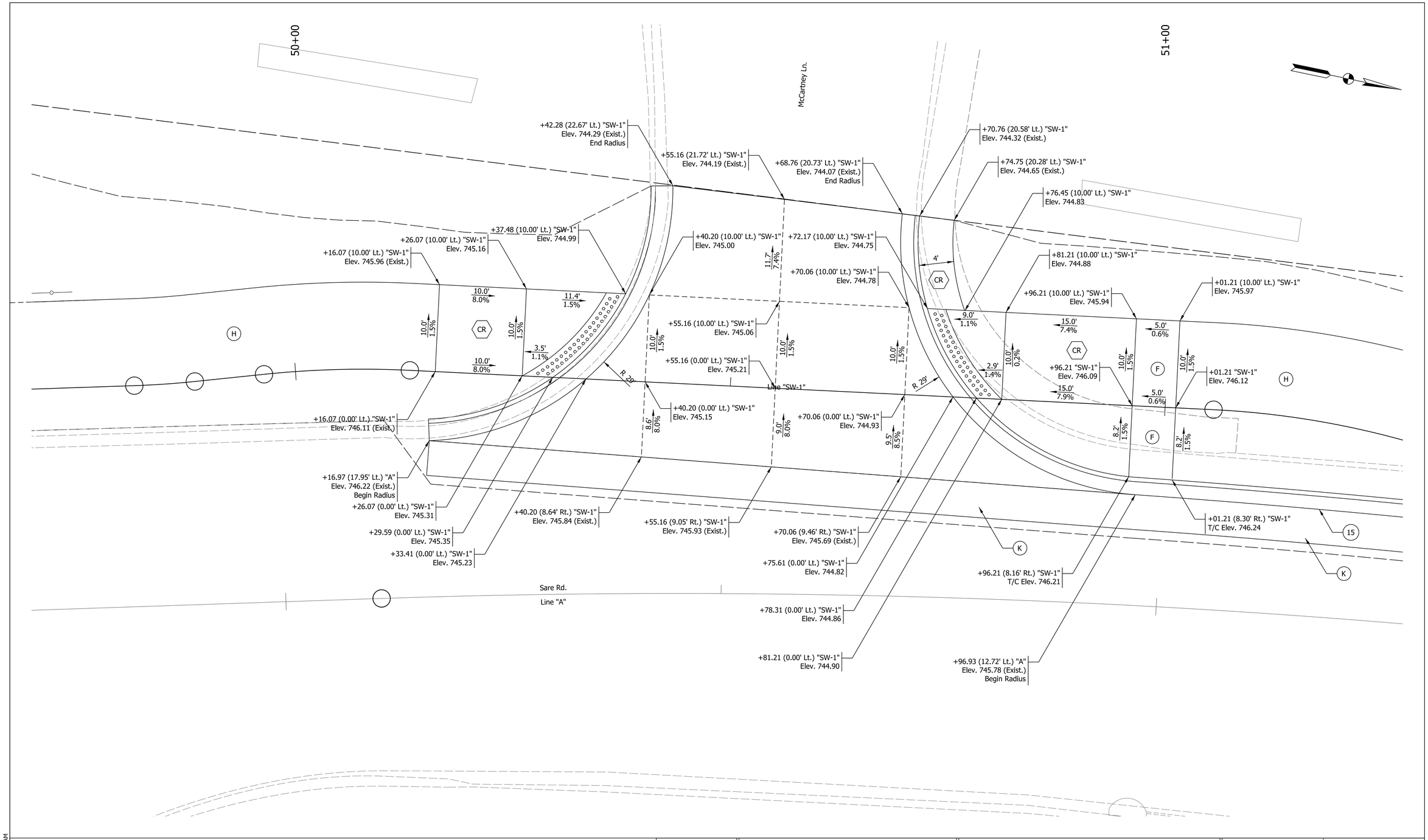
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
HUNTER GLEN

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	37 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_03.dgn



(H) HMA For Sidewalk	(K) HMA Patching, Type C	(22) Center Curb, D, Concrete
(F) Sidewalk, Concrete	(13) Curb, Concrete	(30) Cut Wall
(CR) Curb Ramp	(15) Curb and Gutter, Concrete, Modified	(31) Hand Rail, Pedestrian

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

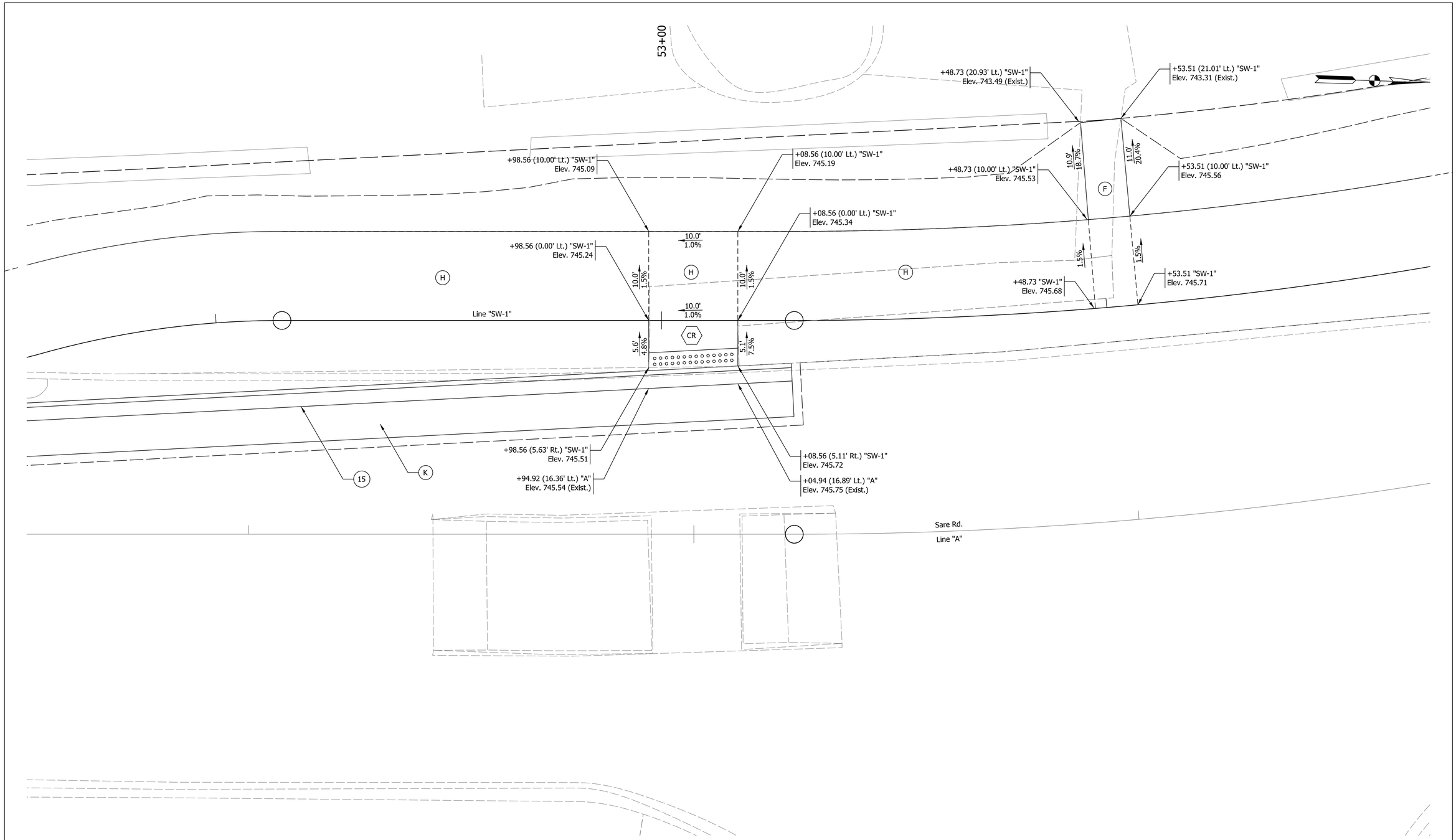
DESIGNED: PJF | DRAWN: PJF
CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
MCCARTNEY LN.

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	38 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM
T:\188456\Roadway\Sheet Files\Sht IntDet 05_04.dgn



H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb, D, Concrete
F	Sidewalk, Concrete	13	Curb, Concrete	30	Cut Wall
CR	Curb Ramp	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian

JOHN L. BOWER
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

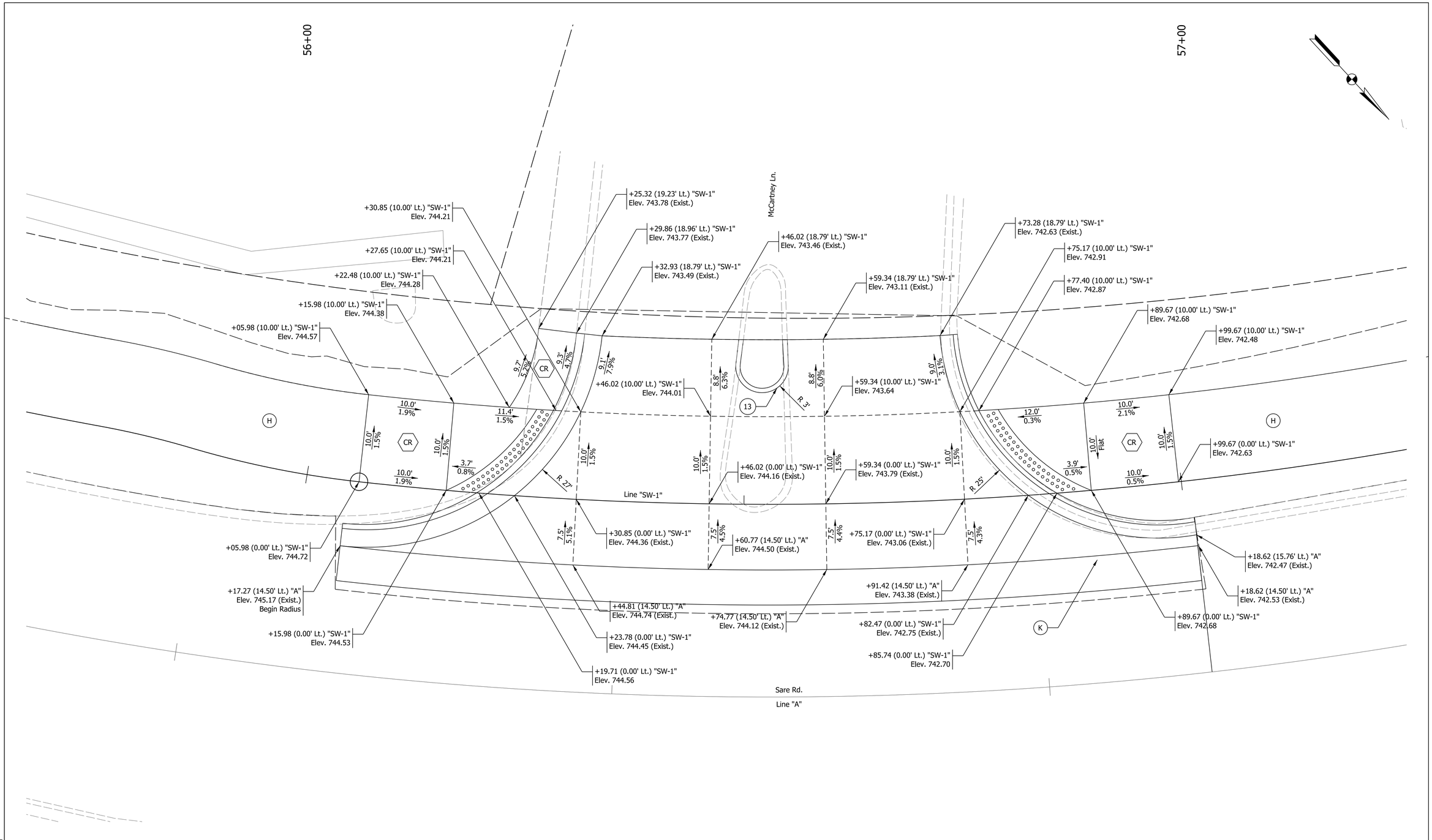
DESIGNED: PJF | DRAWN: PJF
CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
CURB RAMP - STA. 53+00

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	39 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM
T:\188456\Roadway\Sheet Files\Sht IntDet 05_05.dgn



(H) HMA For Sidewalk	(K) HMA Patching, Type C	(22) Center Curb, D, Concrete
(F) Sidewalk, Concrete	(13) Curb, Concrete	(30) Cut Wall
(CR) Curb Ramp	(15) Curb and Gutter, Concrete, Modified	(31) Hand Rail, Pedestrian

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF DRAWN: PJF

CHECKED: JLB CHECKED: JLB

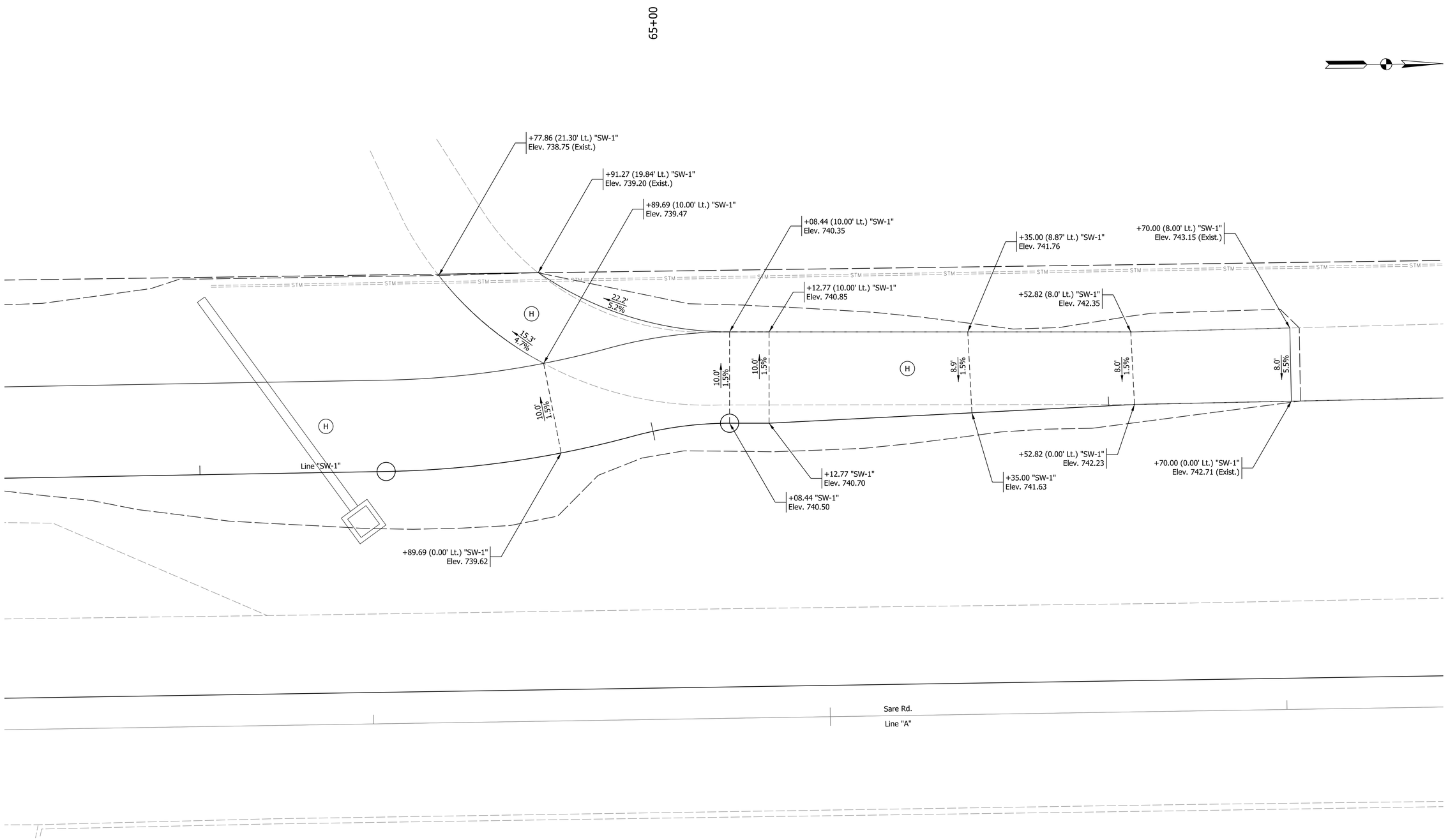
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
MCCARTNEY LN.

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	40 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_06.dgn



H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb, D, Concrete
F	Sidewalk, Concrete	13	Curb, Concrete	30	Cut Wall
CR	Curb Ramp	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF DRAWN: PJF

CHECKED: JLB CHECKED: JLB

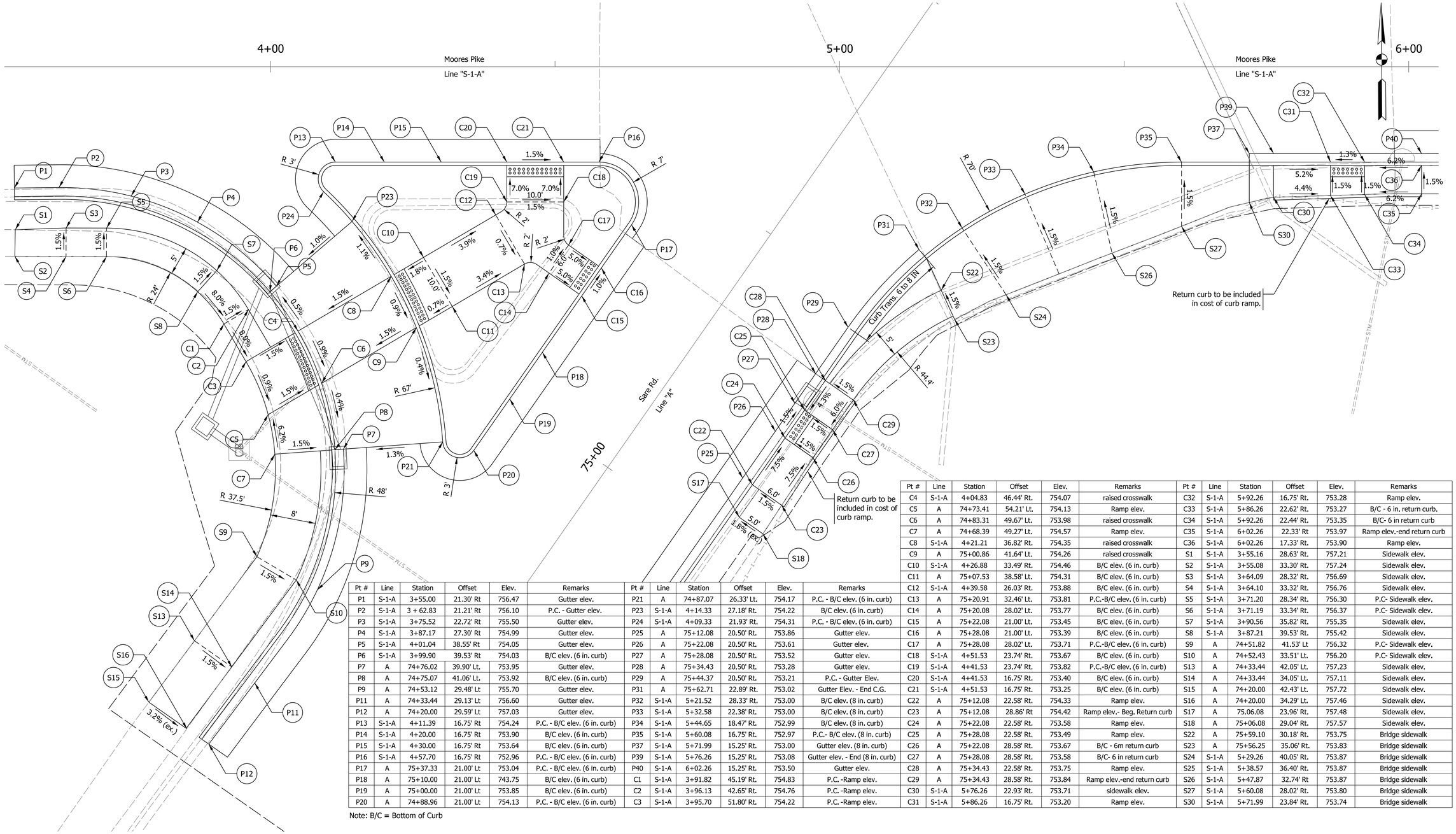
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
RENWICK PATH

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	41 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_07.dgn



Pt #	Line	Station	Offset	Elev.	Remarks	Pt #	Line	Station	Offset	Elev.	Remarks
P1	S-1-A	3+55.00	21.30' Rt	756.47	Gutter elev.	P21	A	74+87.07	26.33' Lt.	754.17	P.C. - B/C elev. (6 in. curb)
P2	S-1-A	3 + 62.83	21.21' Rt	756.10	P.C. - Gutter elev.	P23	S-1-A	4+14.33	27.18' Rt.	754.22	B/C elev. (6 in. curb)
P3	S-1-A	3+75.52	22.72' Rt	755.50	Gutter elev.	P24	S-1-A	4+09.33	21.93' Rt.	754.31	P.C. - B/C elev. (6 in. curb)
P4	S-1-A	3+87.17	27.30' Rt	754.99	Gutter elev.	P25	A	75+12.08	20.50' Rt.	753.86	Gutter elev.
P5	S-1-A	4+01.04	38.55' Rt	754.05	Gutter elev.	P26	A	75+22.08	20.50' Rt.	753.61	Gutter elev.
P6	S-1-A	3+99.90	39.53' Rt	754.03	B/C elev. (6 in. curb)	P27	A	75+28.08	20.50' Rt.	753.52	Gutter elev.
P7	A	74+76.02	39.90' Lt.	753.95	Gutter elev.	P28	A	75+34.43	20.50' Rt.	753.28	Gutter elev.
P8	A	74+75.07	41.06' Lt.	753.92	B/C elev. (6 in. curb)	P29	A	75+44.37	20.50' Rt.	753.21	P.C. - Gutter Elev.
P9	A	74+53.12	29.48' Lt	755.70	Gutter elev.	P31	A	75+62.71	22.89' Rt.	753.02	Gutter Elev. - End C.G.
P11	A	74+33.44	29.13' Lt	756.60	Gutter elev.	P32	S-1-A	5+21.52	28.33' Rt.	753.00	B/C elev. (8 in. curb)
P12	A	74+20.00	29.59' Lt	757.03	Gutter elev.	P33	S-1-A	5+32.58	22.38' Rt.	753.00	B/C elev. (8 in. curb)
P13	S-1-A	4+11.39	16.75' Rt	754.24	P.C. - B/C elev. (6 in. curb)	P34	S-1-A	5+44.65	18.47' Rt.	752.99	B/C elev. (8 in. curb)
P14	S-1-A	4+20.00	16.75' Rt	753.90	B/C elev. (6 in. curb)	P35	S-1-A	5+60.08	16.75' Rt.	752.97	P.C.- B/C elev. (8 in. curb)
P15	S-1-A	4+30.00	16.75' Rt	753.64	B/C elev. (6 in. curb)	P37	S-1-A	5+71.99	15.25' Rt.	753.00	Gutter elev. (8 in. curb)
P16	S-1-A	4+57.70	16.75' Rt	752.96	P.C. - B/C elev. (6 in. curb)	P39	S-1-A	5+76.26	15.25' Rt.	753.08	Gutter elev. - End (8 in. curb)
P17	A	75+37.33	21.00' Lt	753.04	P.C. - B/C elev. (6 in. curb)	P40	S-1-A	6+02.26	15.25' Rt.	753.50	Gutter elev.
P18	A	75+10.00	21.00' Lt	743.75	B/C elev. (6 in. curb)	C1	S-1-A	3+91.82	45.19' Rt.	754.83	P.C. -Ramp elev.
P19	A	75+00.00	21.00' Lt	753.85	B/C elev. (6 in. curb)	C2	S-1-A	3+96.13	42.65' Rt.	754.76	P.C. -Ramp elev.
P20	A	74+88.96	21.00' Lt	754.13	P.C. - B/C elev. (6 in. curb)	C3	S-1-A	3+95.70	51.80' Rt.	754.22	P.C. -Ramp elev.

Note: B/C = Bottom of Curb

Pt #	Line	Station	Offset	Elev.	Remarks	Pt #	Line	Station	Offset	Elev.	Remarks
C4	S-1-A	4+04.83	46.44' Rt.	754.07	raised crosswalk	C32	S-1-A	5+92.26	16.75' Rt.	753.28	Ramp elev.
C5	A	74+73.41	54.21' Lt.	754.13	Ramp elev.	C33	S-1-A	5+86.26	22.62' Rt.	753.27	B/C - 6 in. return curb.
C6	A	74+83.31	49.67' Lt.	753.98	raised crosswalk	C34	S-1-A	5+92.26	22.44' Rt.	753.35	B/C- 6 in return curb
C7	A	74+68.39	49.27' Lt.	754.57	Ramp elev.	C35	S-1-A	6+02.26	22.33' Rt	753.97	Ramp elev.-end return curb
C8	S-1-A	4+21.21	36.82' Rt.	754.35	raised crosswalk	C36	S-1-A	6+02.26	17.33' Rt.	753.90	Ramp elev.
C9	A	75+00.86	41.64' Lt.	754.26	raised crosswalk	S1	S-1-A	3+55.16	28.63' Rt.	757.21	Sidewalk elev.
C10	S-1-A	4+26.88	33.49' Rt.	754.46	B/C elev. (6 in. curb)	S2	S-1-A	3+55.08	33.30' Rt.	757.24	Sidewalk elev.
C11	A	75+07.53	38.58' Lt.	754.31	B/C elev. (6 in. curb)	S3	S-1-A	3+64.09	28.32' Rt.	756.69	Sidewalk elev.
C12	S-1-A	4+39.58	26.03' Rt.	753.88	B/C elev. (6 in. curb)	S4	S-1-A	3+64.10	33.32' Rt.	756.76	Sidewalk elev.
C13	A	75+20.91	32.46' Lt.	753.81	P.C.-B/C elev. (6 in. curb)	S5	S-1-A	3+71.20	28.34' Rt.	756.30	P.C- Sidewalk elev.
C14	A	75+20.08	28.02' Lt.	753.77	B/C elev. (6 in. curb)	S6	S-1-A	3+71.19	33.34' Rt.	756.37	P.C- Sidewalk elev.
C15	A	75+22.08	21.00' Lt.	753.45	B/C elev. (6 in. curb)	S7	S-1-A	3+90.56	35.82' Rt.	755.35	Sidewalk elev.
C16	A	75+28.08	21.00' Lt.	753.39	B/C elev. (6 in. curb)	S8	S-1-A	3+87.21	39.53' Rt.	755.42	Sidewalk elev.
C17	A	75+28.08	28.02' Lt.	753.71	P.C.-B/C elev. (6 in. curb)	S9	A	74+51.82	41.53' Lt	756.32	P.C- Sidewalk elev.
C18	S-1-A	4+51.53	23.74' Rt.	753.67	B/C elev. (6 in. curb)	S10	A	74+52.43	33.51' Lt.	756.20	P.C- Sidewalk elev.
C19	S-1-A	4+41.53	23.74' Rt.	753.82	P.C.-B/C elev. (6 in. curb)	S13	A	74+33.44	42.05' Lt.	757.23	Sidewalk elev.
C20	S-1-A	4+41.53	16.75' Rt.	753.40	B/C elev. (6 in. curb)	S14	A	74+33.44	34.05' Lt.	757.11	Sidewalk elev.
C21	S-1-A	4+51.53	16.75' Rt.	753.25	B/C elev. (6 in. curb)	S15	A	74+20.00	42.43' Lt.	757.72	Sidewalk elev.
C22	A	75+12.08	22.58' Rt.	754.33	Ramp elev.	S16	A	74+20.00	34.29' Lt.	757.46	Sidewalk elev.
C23	A	75+12.08	28.86' Rt	754.42	Ramp elev.- Beg. Return curb	S17	A	75.06.08	23.96' Rt.	757.48	Sidewalk elev.
C24	A	75+22.08	22.58' Rt.	753.58	Ramp elev.	S18	A	75+06.08	29.04' Rt.	757.57	Sidewalk elev.
C25	A	75+28.08	22.58' Rt.	753.49	Ramp elev.	S22	A	75+59.10	30.18' Rt.	753.75	Bridge sidewalk
C26	A	75+22.08	28.58' Rt.	753.67	B/C - 6m return curb	S23	A	75+56.25	35.06' Rt.	753.83	Bridge sidewalk
C27	A	75+28.08	28.58' Rt.	753.58	B/C- 6 in return curb	S24	S-1-A	5+29.26	40.05' Rt.	753.87	Bridge sidewalk
C28	A	75+34.43	22.58' Rt.	753.75	Ramp elev.	S25	S-1-A	5+38.57	36.40' Rt.	753.87	Bridge sidewalk
C29	A	75+34.43	28.58' Rt.	753.84	Ramp elev.-end return curb	S26	S-1-A	5+47.87	32.74' Rt	753.87	Bridge sidewalk
C30	S-1-A	5+76.26	22.93' Rt.	753.71	sidewalk elev.	S27	S-1-A	5+60.08	28.02' Rt.	753.80	Bridge sidewalk
C31	S-1-A	5+86.26	16.75' Rt.	753.20	Ramp elev.	S30	S-1-A	5+71.99	23.84' Rt.	753.74	Bridge sidewalk

JOHN L. BOWEN
REGISTERED
No. PE10707582
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF

CHECKED: JLB | CHECKED: JLB

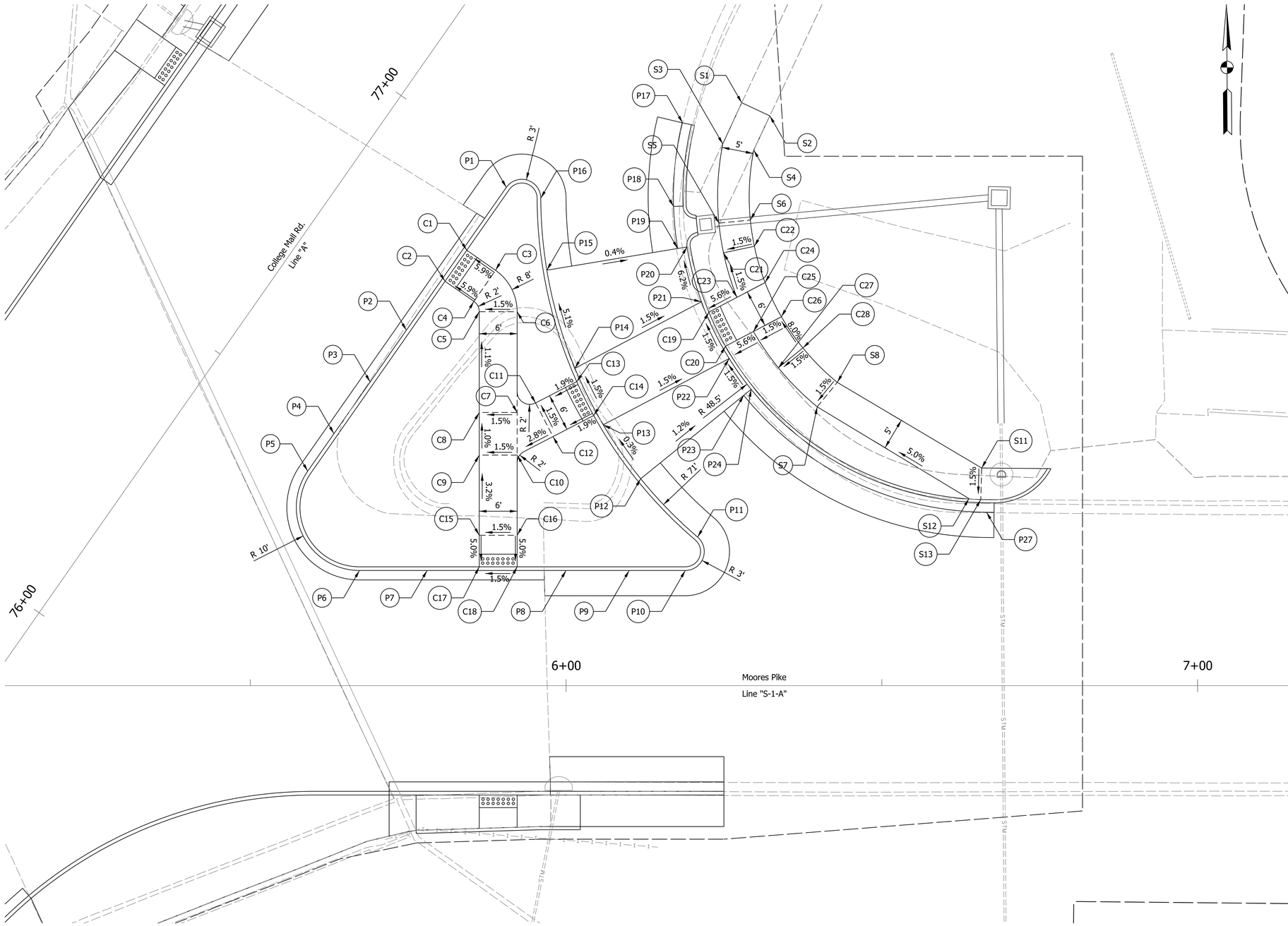
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
MOORES PK. - SOUTH APPROACH

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	42 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_08.dgn



Pt #	Line	Station	Offset	Elev.	Remarks
P1	A	76+97.62	22.0' Rt.	752.14	P.C. - B/C elev. (6 in. curb)
P2	A	76+70.00	22.0' Rt.	752.14	B/C elev. (6 in. curb)
P3	A	76+60.00	22.0' Rt.	752.11	B/C elev. (6 in. curb)
P4	A	76+50.00	22.0' Rt.	752.02	B/C elev. (6 in. curb)
P5	A	76+42.75	22.0' Rt.	752.08	P.C. - B/C elev. (6 in. curb)
P6	S-1-A	05+67.29	18.25' Lt.	752.46	P.C. - B/C elev. (6 in. curb)
P7	S-1-A	05+78.00	18.25' Lt.	752.79	B/C elev. (6 in. curb)
P8	S-1-A	06+00.00	18.25' Lt.	753.35	B/C elev. (6 in. curb)
P9	S-1-A	06+10.00	18.25' Lt.	753.60	B/C elev. (6 in. curb)
P10	S-1-A	06+18.89	18.25' Lt.	753.79	P.C. - B/C elev. (6 in. curb)
P11	S-1-A	06+20.84	23.53' Lt.	753.81	P.C. - B/C elev. (6 in. curb)
P12	S-1-A	06+11.82	32.79' Lt.	753.46	B/C elev. (6 in. curb)
P13	S-1-A	06+05.88	41.34' Lt.	753.44	raised crosswalk
P14	A	76+80.36	47.34' Rt.	753.28	raised crosswalk
P15	A	76+90.55	34.78' Rt.	752.46	B/C elev. (6 in. curb)
P16	A	76+99.35	27.45' Rt.	752.28	P.C. - B/C elev. (6 in. curb)
P17	A	77+22.00	39.03' Rt.	752.68	P.C. - Gutter elev.
P18	A	77+10.33	45.43' Rt.	752.42	Gutter elev/Curb T.O.
P19	A	77+05.24	49.78' Rt.	752.38	Gutter elev/Curb T.O.
P20	A	77+06.29	50.86' Rt.	752.35	B/C elev. (6 in. curb)
P21	A	77+00.48	57.71' Rt.	752.97	raised crosswalk
P22	S-1-A	06+25.83	51.84' Rt.	753.12	raised crosswalk
P23	S-1-A	06+28.14	46.01' Lt.	753.21	Gutter elev.
P24	S-1-A	06+29.31	46.95' Lt.	753.09	B/C elev. (6 in. curb)
P27	S-1-A	06+66.59	27.48' Lt.	755.36	Gutter elev.
C1	A	76+85.88	22.58' Rt.	752.16	B/C elev. (6 in. curb)
C2	A	76+79.88	22.58' Rt.	752.16	B/C elev. (6 in. curb)
C3	A	76+85.88	28.14' Rt.	752.49	P.C. - B/C elev. (6 in. curb)
C4	A	76+79.88	28.14' Rt.	752.49	P.C. - B/C elev. (6 in. curb)
C5	A	76+79.02	29.78' Rt.	753.10	P.C. - B/C elev. (6 in. curb)
C6	A	76+82.46	34.70' Rt.	752.69	P.C. - B/C elev. (6 in. curb)
C7	A	76+69.38	43.85' Rt.	753.02	Ramp elev.
C8	A	76+65.94	38.93' Rt.	752.93	B/C elev. (6 in. curb)
C9	A	76+60.40	42.80' Rt.	753.00	B/C elev. (6 in. curb)
C10	A	76+63.84	47.72' Rt.	753.09	Ramp elev.
C11	A	76+72.29	45.37' Rt.	753.18	B/C elev. (6 in. curb)
C12	A	76+69.50	50.69' Rt.	753.27	B/C elev. (6 in. curb)
C13	A	76+78.79	48.78' Rt.	753.32	raised crosswalk
C14	A	76+75.95	54.06' Rt.	753.41	raised crosswalk
C15	S-1-A	05+86.26	23.83' Lt.	753.28	B/C elev. (6 in. curb)
C16	S-1-A	05+92.26	23.83' Lt.	753.37	B/C elev. (6 in. curb)
C17	S-1-A	05+86.26	18.83' Lt.	753.03	B/C elev. (6 in. curb)
C18	S-1-A	05+92.26	18.83' Lt.	753.12	B/C elev. (6 in. curb)
C19	A	76+99.81	59.62' Rt.	752.98	raised crosswalk
C20	S-1-A	06+25.25	53.79' Lt.	753.07	raised crosswalk
C21	A	77+08.84	56.12' Rt.	753.15	Ramp elev.
C22	A	77+12.49	59.54' Rt.	753.22	Ramp elev.
C23	A	77+04.28	61.92' Rt.	753.26	Ramp elev.
C24	A	77+08.75	64.22' Rt.	753.33	Ramp elev.
C25	S-1-A	06+29.68	56.12' Lt.	753.35	Ramp elev.
C26	S-1-A	06+34.10	58.45' Lt.	753.42	Ramp elev.
C27	S-1-A	06+33.62	50.36' Lt.	753.83	Ramp elev.
C28	S-1-A	06+37.50	53.52' Lt.	753.90	Ramp elev.
S1	A	77+29.69	44.87' Rt.	753.21	Sidewalk match exist.
S2	A	77+30.43	49.71' Rt.	753.21	Sidewalk match exist.
S3	A	77+22.90	46.15' Rt.	753.08	Sidewalk match exist.
S4	A	77+24.92	50.73' Rt.	753.11	Sidewalk match exist.
S5	A	77+12.27	52.83' Rt.	753.07	Sidewalk elev.
S6	A	77+15.53	56.63' Rt.	753.14	Sidewalk elev.
S7	S-1-A	06+39.78	44.18' Lt.	754.27	Sidewalk elev.
S8	S-1-A	06+42.95	48.06' Lt.	754.34	Sidewalk elev.
S11	S-1-A	06+65.82	34.48' Lt.	755.85	Sidewalk elev.
S12	S-1-A	06+63.80	29.64' Lt.	755.67	Sidewalk/curb elev.
S13	S-1-A	06+65.68	29.49' Lt.	755.78	Sidewalk/curb elev.

Note: B/C = Bottom of Curb

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_09.dgn

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF | DRAWN: PJF

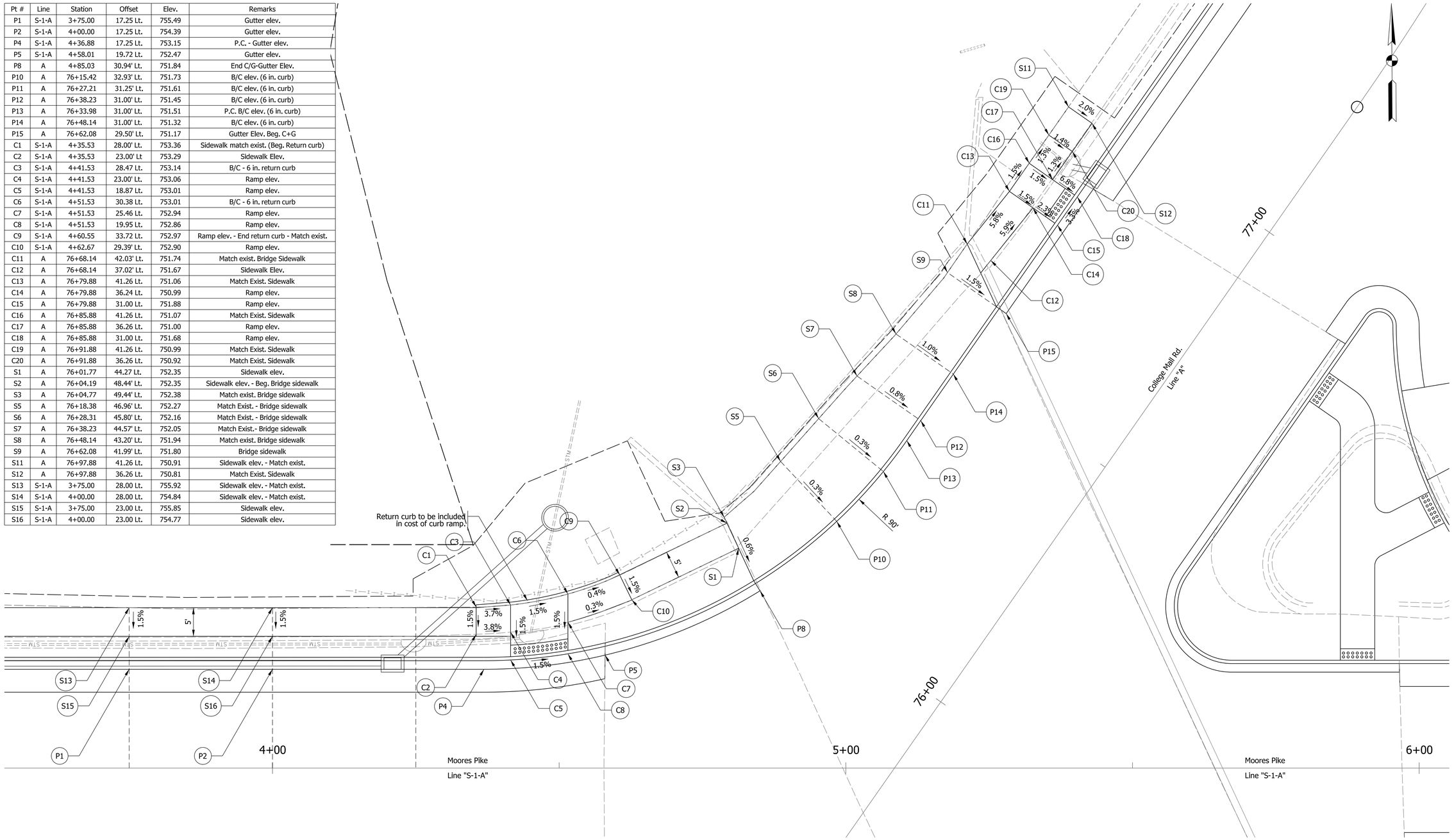
CHECKED: JLB | CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
MOORES PK. - NE CORNER

HORIZONTAL SCALE	BRIDGE FILE
1"=8'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	43 of 97
CONTRACT	PROJECT
R-40294	1700736

Pt #	Line	Station	Offset	Elev.	Remarks
P1	S-1-A	3+75.00	17.25 Lt.	755.49	Gutter elev.
P2	S-1-A	4+00.00	17.25 Lt.	754.39	Gutter elev.
P4	S-1-A	4+36.88	17.25 Lt.	753.15	P.C. - Gutter elev.
P5	S-1-A	4+58.01	19.72 Lt.	752.47	Gutter elev.
P8	A	4+85.03	30.94' Lt.	751.84	End C/G-Gutter Elev.
P10	A	76+15.42	32.93' Lt.	751.73	B/C elev. (6 in. curb)
P11	A	76+27.21	31.25' Lt.	751.61	B/C elev. (6 in. curb)
P12	A	76+38.23	31.00' Lt.	751.45	B/C elev. (6 in. curb)
P13	A	76+33.98	31.00' Lt.	751.51	P.C. B/C elev. (6 in. curb)
P14	A	76+48.14	31.00' Lt.	751.32	B/C elev. (6 in. curb)
P15	A	76+62.08	29.50' Lt.	751.17	Gutter Elev. Beg. C+G
C1	S-1-A	4+35.53	28.00' Lt.	753.36	Sidewalk match exist. (Beg. Return curb)
C2	S-1-A	4+35.53	23.00' Lt	753.29	Sidewalk Elev.
C3	S-1-A	4+41.53	28.47 Lt.	753.14	B/C - 6 in. return curb
C4	S-1-A	4+41.53	23.00' Lt.	753.06	Ramp elev.
C5	S-1-A	4+41.53	18.87 Lt.	753.01	Ramp elev.
C6	S-1-A	4+51.53	30.38 Lt.	753.01	B/C - 6 in. return curb
C7	S-1-A	4+51.53	25.46 Lt.	752.94	Ramp elev.
C8	S-1-A	4+51.53	19.95 Lt.	752.86	Ramp elev.
C9	S-1-A	4+60.55	33.72 Lt.	752.97	Ramp elev. - End return curb - Match exist.
C10	S-1-A	4+62.67	29.39' Lt.	752.90	Ramp elev.
C11	A	76+68.14	42.03' Lt.	751.74	Match exist. Bridge Sidewalk
C12	A	76+68.14	37.02' Lt.	751.67	Sidewalk Elev.
C13	A	76+79.88	41.26 Lt.	751.06	Match Exist. Sidewalk
C14	A	76+79.88	36.24 Lt.	750.99	Ramp elev.
C15	A	76+79.88	31.00 Lt.	751.88	Ramp elev.
C16	A	76+85.88	41.26 Lt.	751.07	Match Exist. Sidewalk
C17	A	76+85.88	36.26 Lt.	751.00	Ramp elev.
C18	A	76+85.88	31.00 Lt.	751.68	Ramp elev.
C19	A	76+91.88	41.26 Lt.	750.99	Match Exist. Sidewalk
C20	A	76+91.88	36.26 Lt.	750.92	Match Exist. Sidewalk
S1	A	76+01.77	44.27 Lt.	752.35	Sidewalk elev.
S2	A	76+04.19	48.44' Lt.	752.35	Sidewalk elev. - Beg. Bridge sidewalk
S3	A	76+04.77	49.44' Lt.	752.38	Match exist. Bridge sidewalk
S5	A	76+18.38	46.96' Lt.	752.27	Match Exist. - Bridge sidewalk
S6	A	76+28.31	45.80' Lt.	752.16	Match Exist. - Bridge sidewalk
S7	A	76+38.23	44.57' Lt.	752.05	Match Exist.- Bridge sidewalk
S8	A	76+48.14	43.20' Lt.	751.94	Match exist. Bridge sidewalk
S9	A	76+62.08	41.99' Lt.	751.80	Bridge sidewalk
S11	A	76+97.88	41.26 Lt.	750.91	Sidewalk elev. - Match exist.
S12	A	76+97.88	36.26 Lt.	750.81	Match Exist. Sidewalk
S13	S-1-A	3+75.00	28.00 Lt.	755.92	Sidewalk elev. - Match exist.
S14	S-1-A	4+00.00	28.00 Lt.	754.84	Sidewalk elev. - Match exist.
S15	S-1-A	3+75.00	23.00 Lt.	755.85	Sidewalk elev.
S16	S-1-A	4+00.00	23.00 Lt.	754.77	Sidewalk elev.



JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL John Bowen DESIGN ENGINEER 11/25/2019 DATE

DESIGNED: PJF DRAWN: PJF

CHECKED: JLB CHECKED: JLB

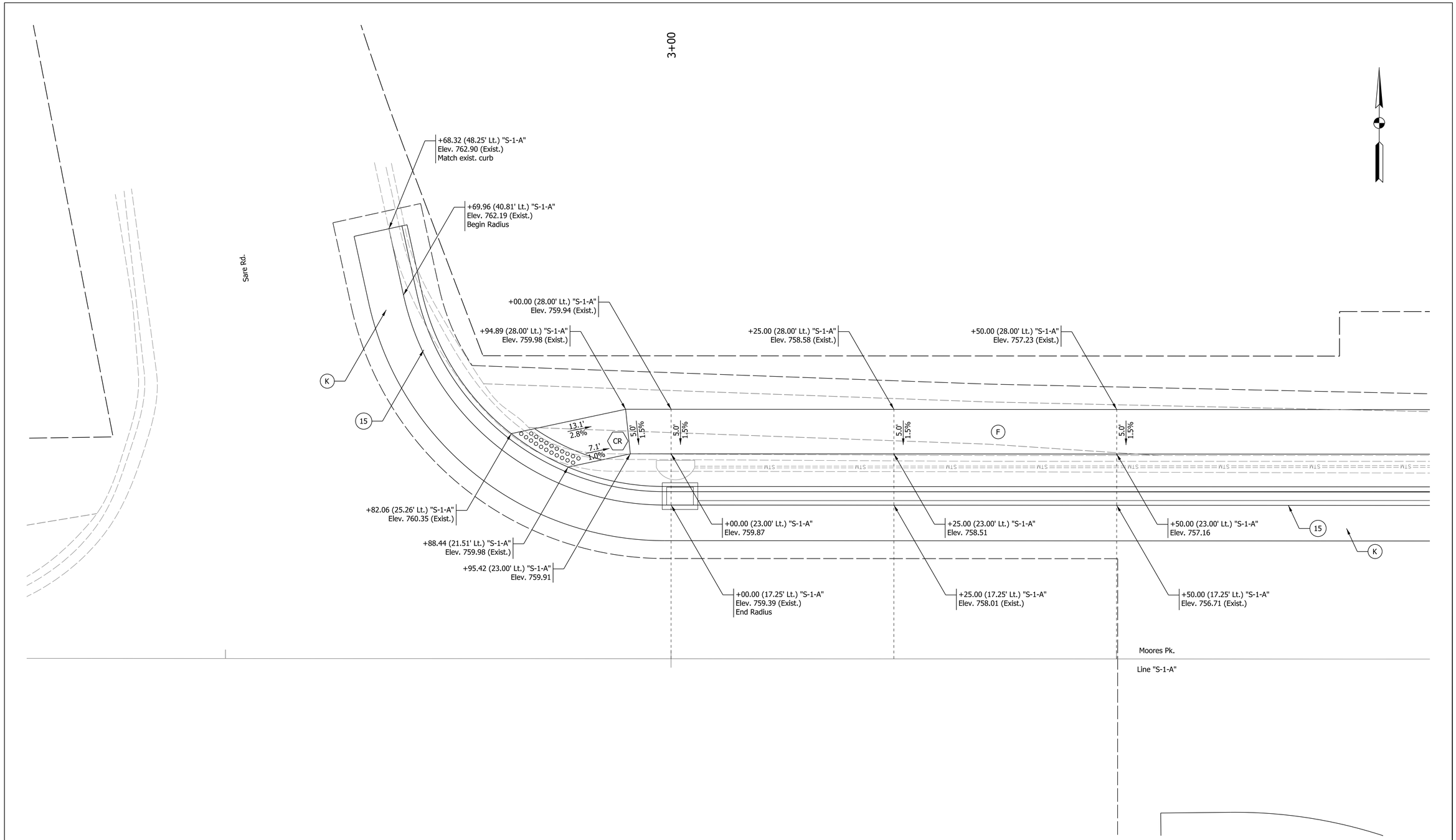
INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
MOORES PK. - NW CORNER

HORIZONTAL SCALE	BRIDGE FILE
1"=8'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	44 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_10.dgn



H	HMA For Sidewalk	K	HMA Patching, Type C	22	Center Curb, D, Concrete
F	Sidewalk, Concrete	13	Curb, Concrete	30	Cut Wall
CR	Curb Ramp	15	Curb and Gutter, Concrete, Modified	31	Hand Rail, Pedestrian

JOHN L. BOWEN REGISTERED No. PE10707582 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 11/25/2019 DATE

DESIGNED: PJF DRAWN: PJF

CHECKED: JLB CHECKED: JLB

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
SARE RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
N/A	1700736
SURVEY BOOK	SHEETS
	45 of 97
CONTRACT	PROJECT
R-40294	1700736

Plot: 12/4/2019 11:03 AM

T:\188456\Roadway\Sheet Files\Sht IntDet 05_11.dgn