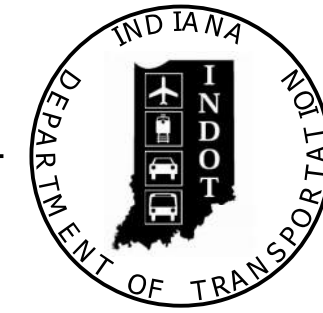


PROJECT	DESIGNATION
1902832	1902832
CONTRACT	BRIDGE FILE
R-42649	N/A

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: WESTCHESTER-LIBERTY TRAIL: SHARED USE PATH

PROJECT NO. 1902832 P.E. R/W CONST.

TRAFFIC DATA		
A.A.D.T.	N/A	V.P.D.
A.A.D.T.	N/A	V.P.D.
D.H.V	N/A	V.P.H.
DIRECTIONAL DISTRIBUTION	N/A	%
TRUCKS	N/A	% A.A.D.T.
	N/A	% D.H.V.

DESIGN DATA		
DESIGN SPEED	15	M.P.H.
PROJECT DESIGN CRITERIA	IDM 51-7.05	
FUNCTIONAL CLASSIFICATION	SHARED-USE PATH	
RURAL/URBAN	URBAN	
TERRAIN	LEVEL	
ACCESS CONTROL	NONE	

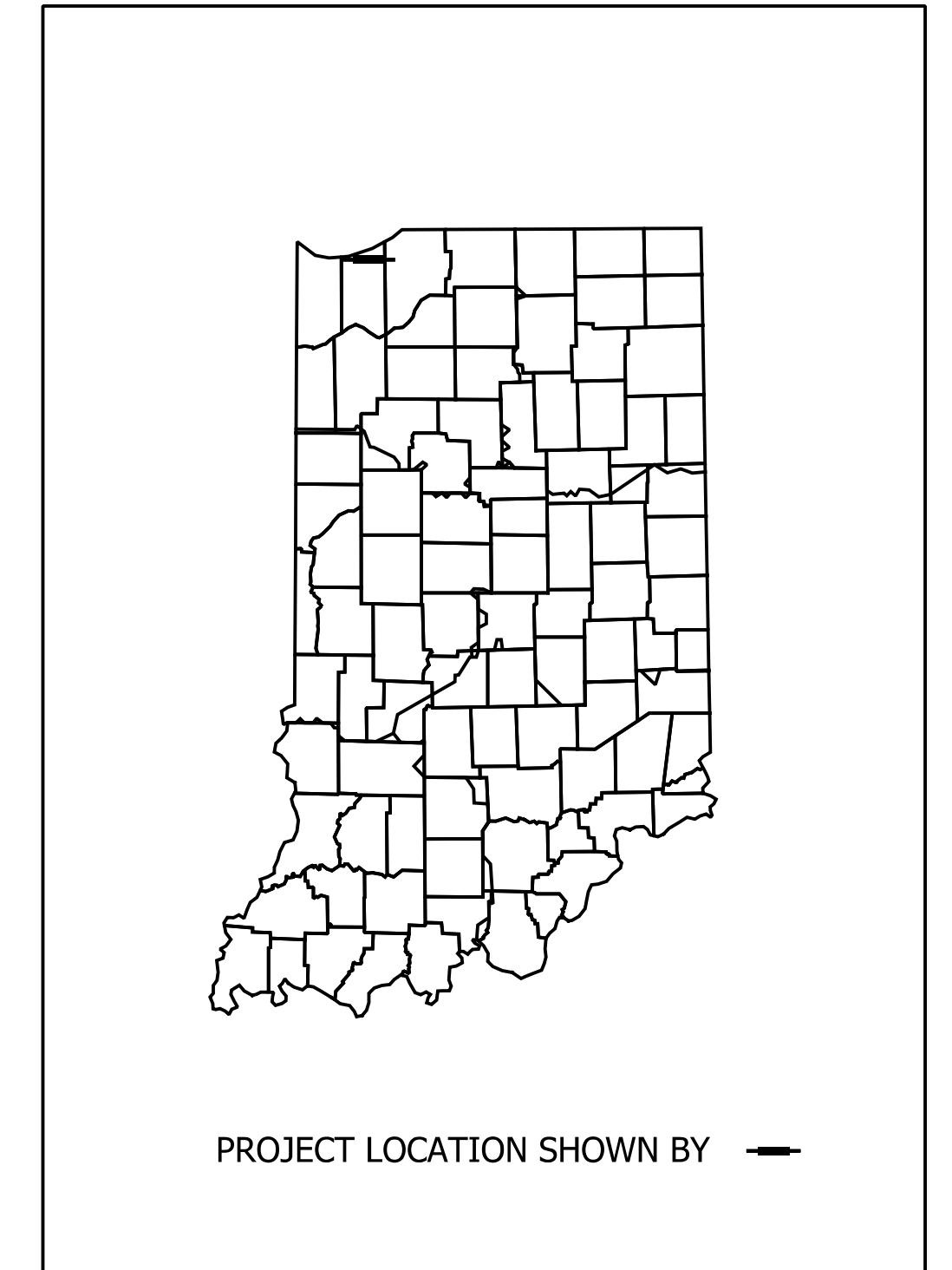
TOWN OF CHESTERTON, INDIANA
TOWN COUNCIL

Sharon Darnell, President	Date
Jennifer Fisher, Member	Date
Lloyd Kittredge, Member	Date
James Ton, Member	Date
Dane Lafata, Member	Date

TOWN OF CHESTERTON, INDIANA

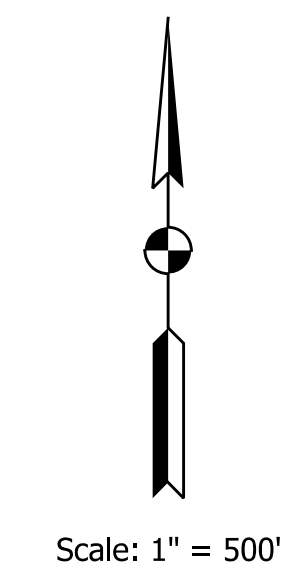
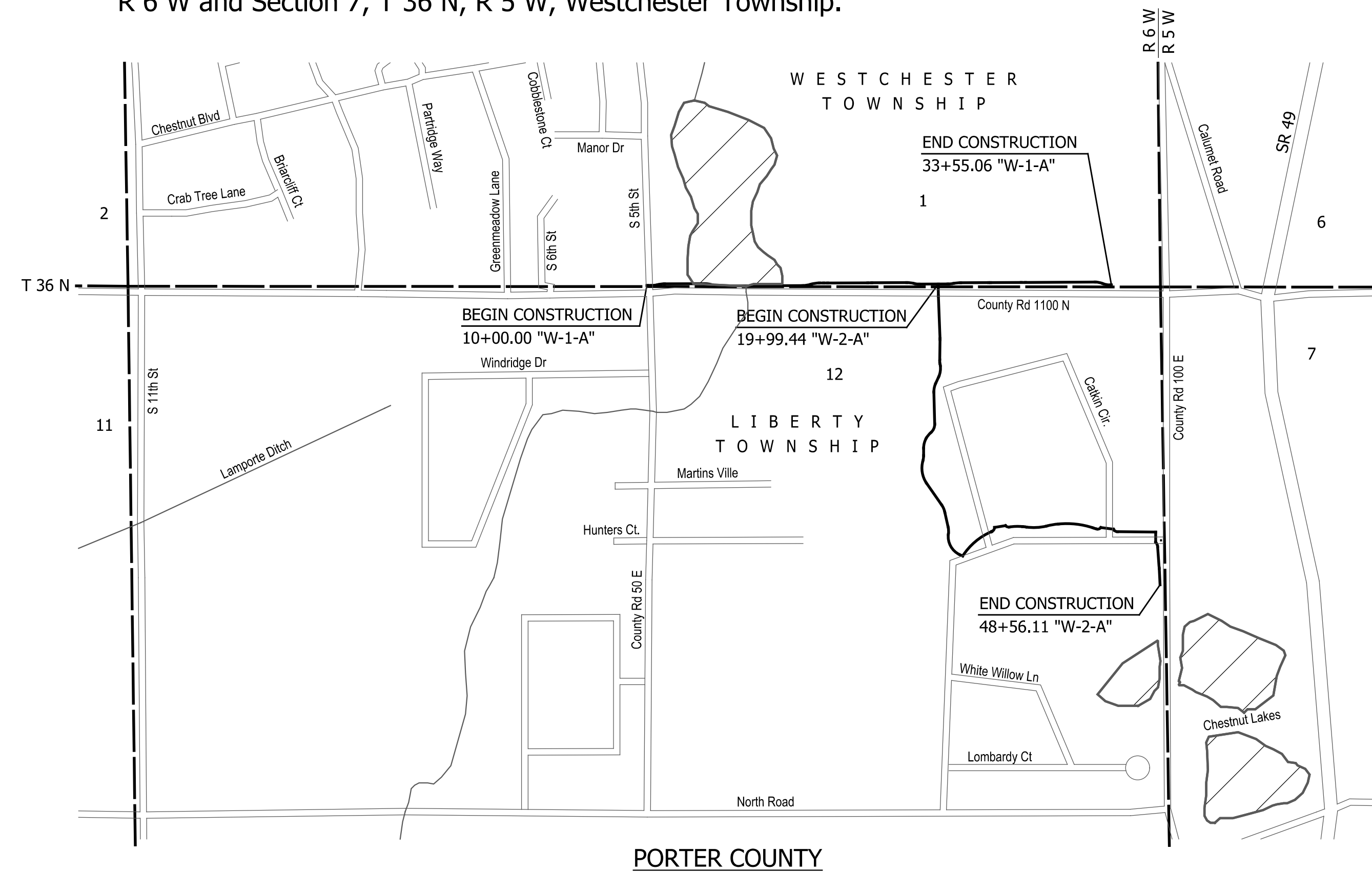
Mark O'Dell, Town Engineer, ERC	Date
---------------------------------	------

Project Description: The Project is Located Along CR 1100 N, Beginning at the Intersection of CR 1100 N and CR 50 E, Continuing East Approximately 0.45 Miles to a Point of Termination Approximately 250' West of the Intersection of CR 1100 N and CR 100 E. A Second Segment of the Shared-Use Path Begins at a Point Along CR 1100 N Approximately 1,130' West of CR 100 E and Continues South for Approximately .30 Miles To Laurel Creek Drive Where it Continues East Along Laurel Creek Drive to CR 100 E, and Continues South Along CR 100 E to a Point of Termination at Rail Road. The Project is Located Within the Town Limits of Chesterton, Porter County, Indiana in Sections 1 and 12, T 36 N, R 6 W and Section 7, T 36 N, R 5 W, Westchester Township.



LATITUDE: 41°35'34.90"N LONGITUDE: 87° 3'6.42"W

Gross Length: 0.99 MI.
Net Length: 0.98 MI.
Maximum Grade: 4.29 %



INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:	American Structurepoint, Inc.	(317) 547-5580
	MM/DD/YYYY	PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

	BRIDGE FILE	
	N/A	
	DESIGNATION	
	1902832	
SURVEY BOOK	SHEETS	
N/A	1	72
CONTRACT	PROJECT	
R-42649	1902832	

UTILITIES

COMMUNICATIONS

Northwestern Indiana Telephone Company
205 N. Washington St
Hebron, IN 46341
(219) 996-2981
Contact: Mark O'Dell
Email: modell@chestertonin.org

Frontier
2401 Chicago Street
Valparaiso, IN 46383
(219) 531-6947
Contact: Charles McKean
Email: Chuck.McKean@ftr.com

PIPELINE

Marathon
(317) 473-7441
Contact: Austin Guyer
Email: aguyer@marathonpetroleum.com

Wolverine Pipeline
(269) 217-5158
Contact: Louis Kraus
Email: Louis_Kraus@wplco.com

Calumet Communications
309 S. 13th St.
Chesterton, IN 46304
(219) 928-8024
Contact: Keith Sharpe
Email: ksharpei@yahoo.com

WATER
IN American Water (Northwest)
153 N Emerson Ave
Greenwood, IN 46143
(219) 880-2326
Contact: Ed Nickels
Email: Edward.Nickels@amwater.com

MCI
400 Internation PKWY
Richardson, TX 75081
(312) 617-2131
Contact: Joe Chaney
Email: joe.chaney@verizon.com

ELECTRIC & GAS
NIPSCO ELECTRIC (VALPARAISO)
2755 N Raystone Dr
Valparaiso, IN 46383
(219) 252-6530
Contact: Alejandro Alvarez
Email: AAlvarez@nisource.com

AT&T Distribution
240 N. Meridian St., Room 1791
Indianapolis, IN 46204
(219) 775-1781
Contact: Matt Smith
Email: MS2827@att.com

NIPSCO Gas (VALPARAISO)
2755 N Raystone Dr
Valparaiso, IN 46383
(219) 252-6530
Contact: Mike Hudak
Email: Mhudak@nisource.com

GENERAL NOTES

**	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.
	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.
	All limited access right-of-way (L.A. R/W) is to be fenced with chain link type fence (CLTF) or farm field type fence (FFTF) where specified in the plans.
	Contractor shall verify existing flowline elevations to set the appropriate sump depth.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DRAWING INDEX
1	Title Sheet
2	Index and General Notes
3	Typical Cross Sections
4	Plat No. 1
5	Geometric Tie-Ups
6-8	Geometric Tie-In Detail
9-10	Maintenance of Traffic
11	Maintenance of Traffic - Pedestrian Detour
12-16	Plan and Profiles
17-21	Curb Ramp Details
22-23	Erosion Control Details
24-25	Pavement Marking & Signing Details
26	Miscellaneous Details
27	Structure Data Table & Pipe Material Table
28	Summary of Quantities & Approach Table
29	Miscellaneous Tables
30-72	Cross Sections

REVISIONS

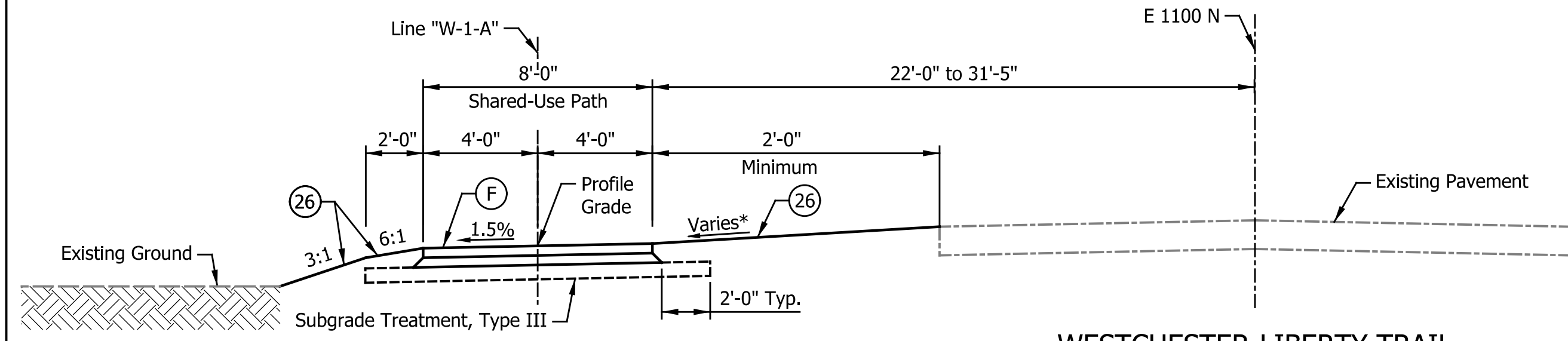
SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: _____ JJS	DRAWN: _____ CAK		
CHECKED: _____ GAL	CHECKED: _____ GAL		

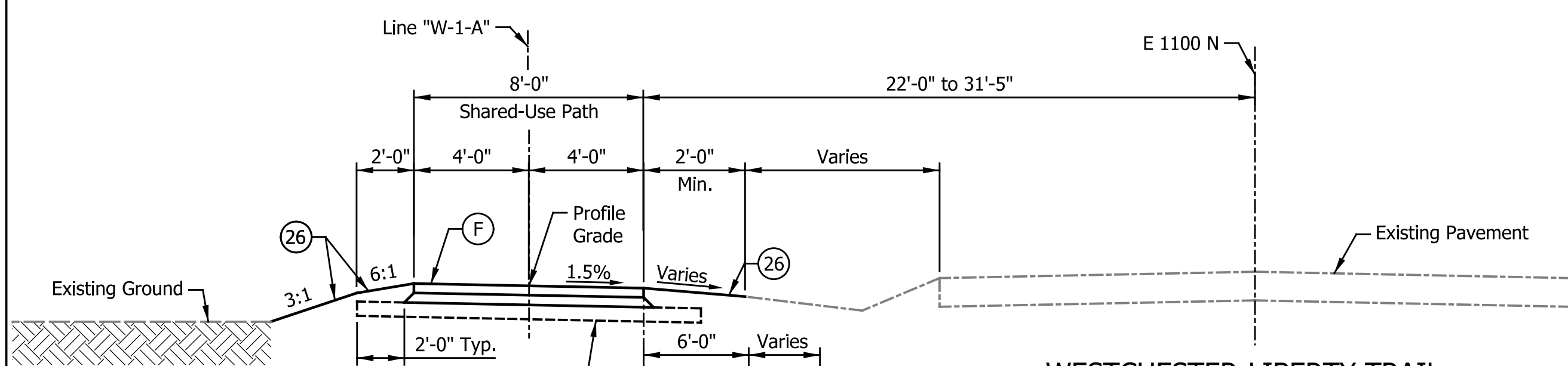
**INDIANA
DEPARTMENT OF TRANSPORTATION**

INDEX AND GENERAL NOTES

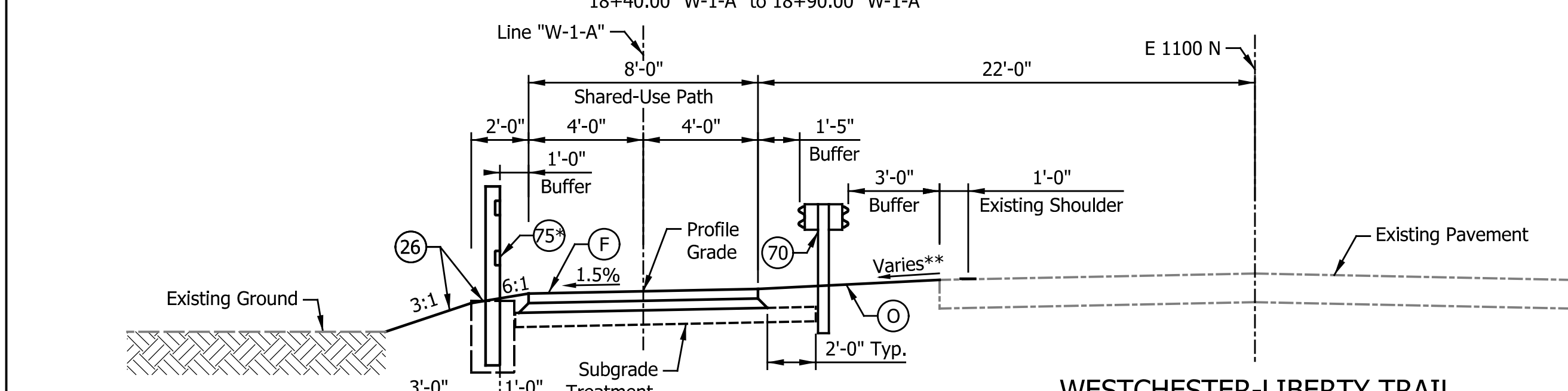
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N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	2 of 72
CONTRACT	PROJECT
R-42649	1902832



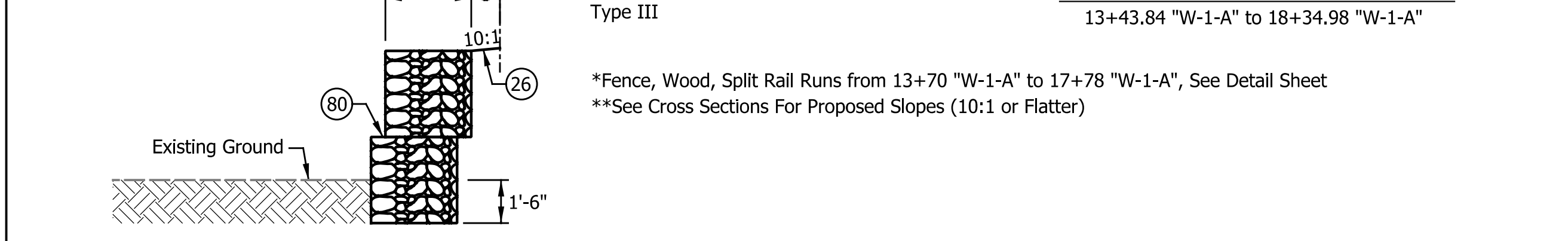
WESTCHESTER-LIBERTY TRAIL
 10+00.00 "W-1-A" to 13+43.84 "W-1-A"
 19+50.00 "W-1-A" to 27+50.00 "W-1-A"
 32+00.00 "W-1-A" to 33+50.00 "W-1-A"



WESTCHESTER-LIBERTY TRAIL
 18+40.00 "W-1-A" to 19+50.00 "W-1-A"
 27+50.00 "W-1-A" to 32+00.00 "W-1-A"
 33+50.00 "W-1-A" to 33+55.06 "W-1-A"

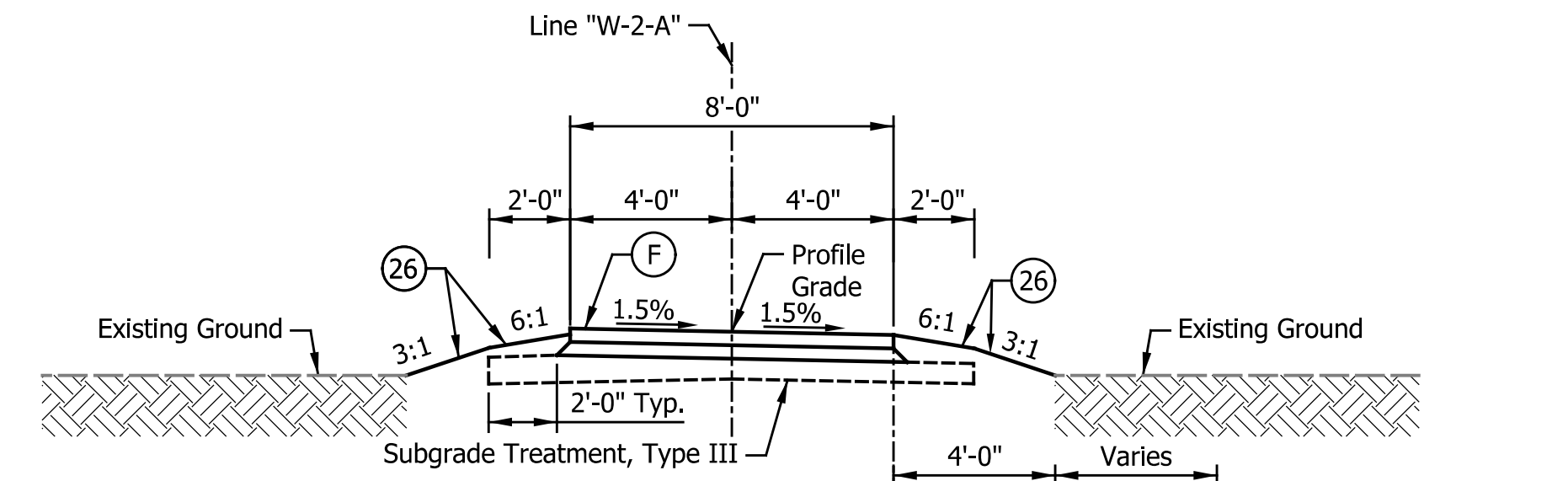


WESTCHESTER-LIBERTY TRAIL
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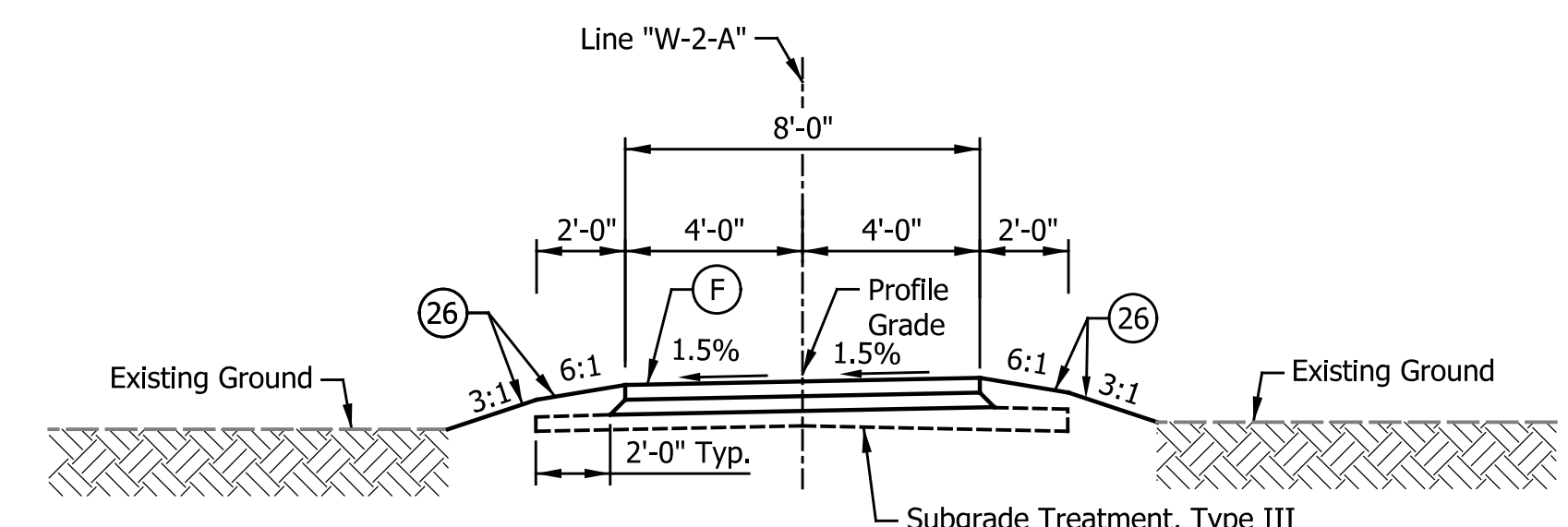


14+00.00 "W-1-A" to 17+00.00 "W-1-A"
 *See Cross Sections For Varying Heights of Gabion Baskets

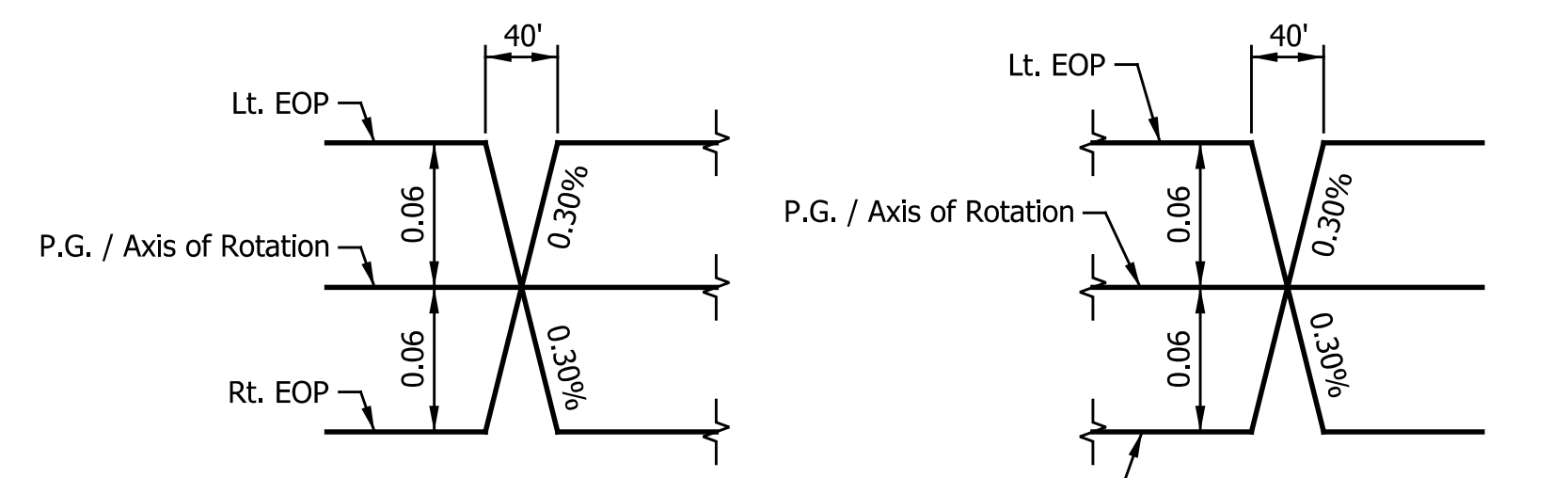
*Fence, Wood, Split Rail Runs from 13+70 "W-1-A" to 17+78 "W-1-A", See Detail Sheet
 **See Cross Sections For Proposed Slopes (10:1 or Flatter)



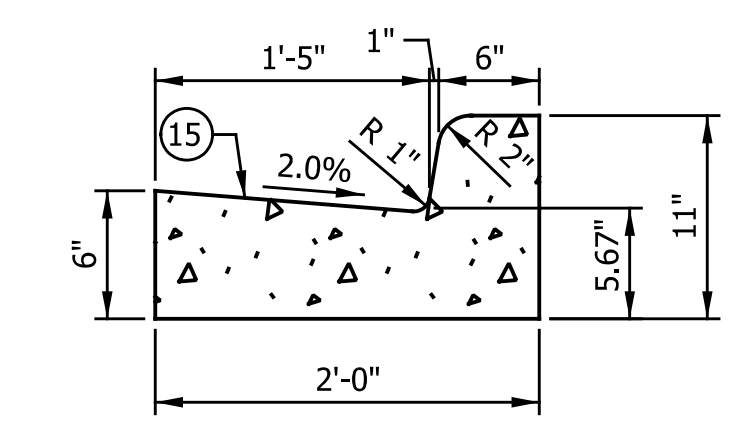
WESTCHESTER-LIBERTY TRAIL
 19+99.44 "W-2-A" to 20+14.36 "W-2-A"
 20+36.87 "W-2-A" to 20+50.00 "W-2-A"
 28+00.00 "W-2-A" to 36+86.67 "W-2-A"
 37+60.72 "W-2-A" to 42+40.83 "W-2-A"
 43+20.65 "W-2-A" to 45+19.47 "W-2-A"



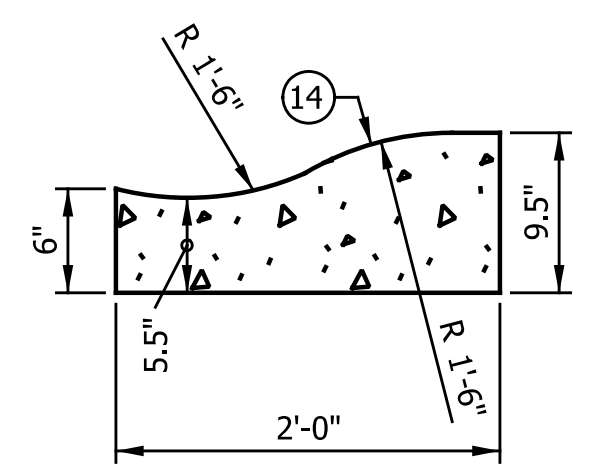
WESTCHESTER-LIBERTY TRAIL
 45+86.20 "W-2-A" to 48+56.11 "W-2-A"



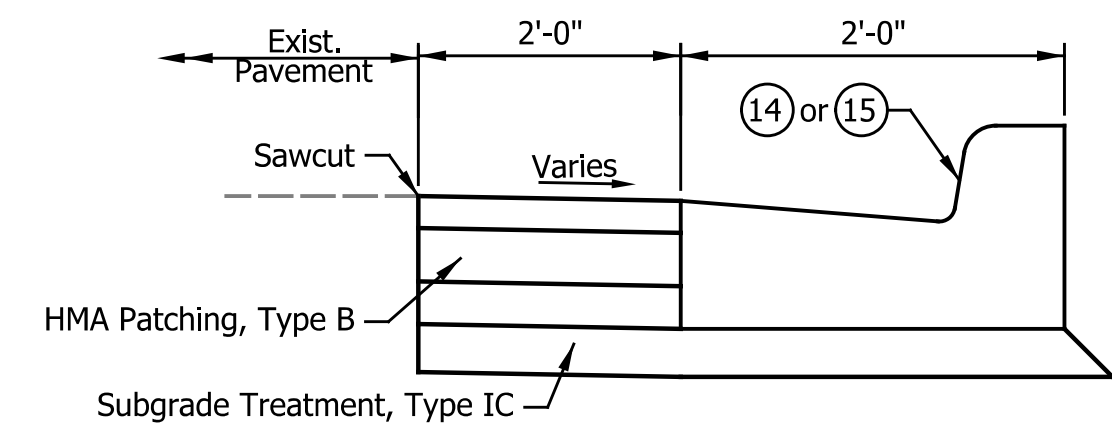
EDGE TRANSITION DIAGRAM LINE "W-1-A"
 Not To Scale



Curb & Gutter, Concrete, Modified
 Not to Scale

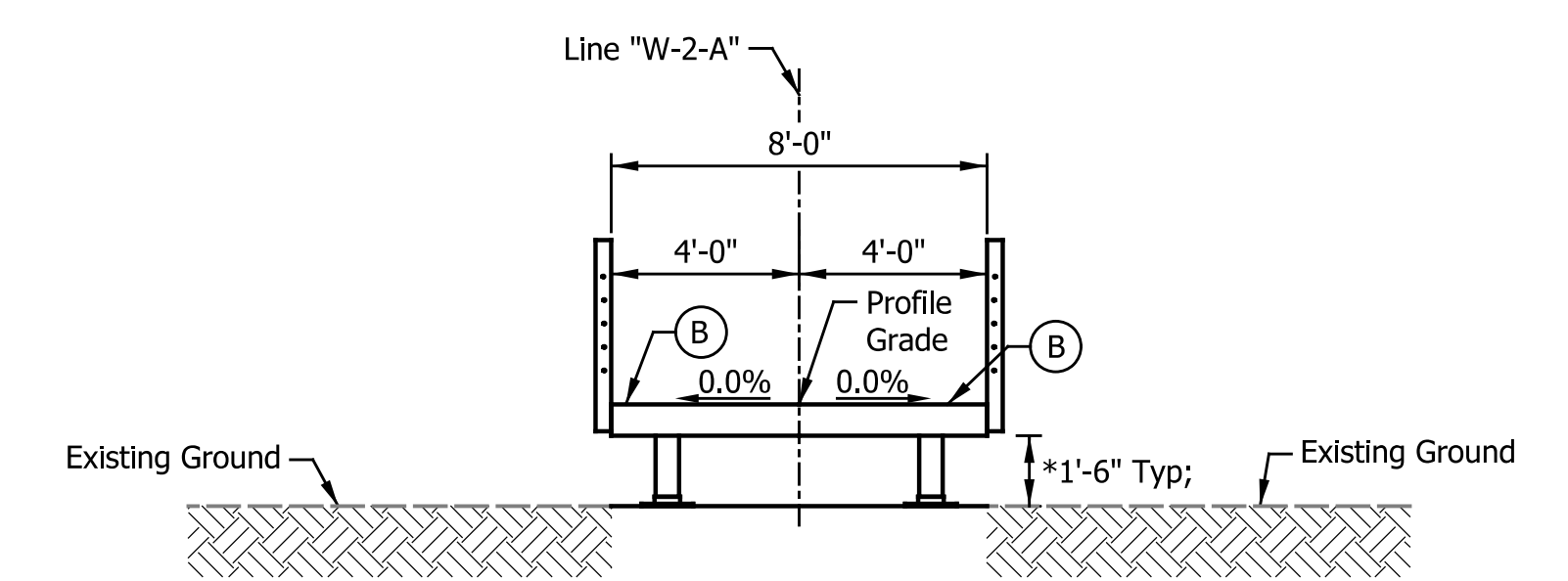


Curb & Gutter, Roll Curb, Modified
 Not to Scale



HMA Patching, Type B Detail
 Not to Scale

See Curb Ramp Detail Sheets For Proposed Slopes



WESTCHESTER-LIBERTY TRAIL
 20+50.00 "W-2-A" to 28+00.00 "W-2-A"

*Adjust Leg Height As Req'd; See Cross Sections

LEGEND

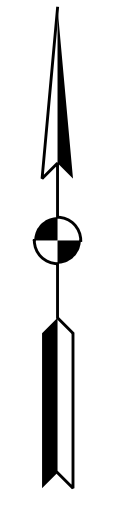
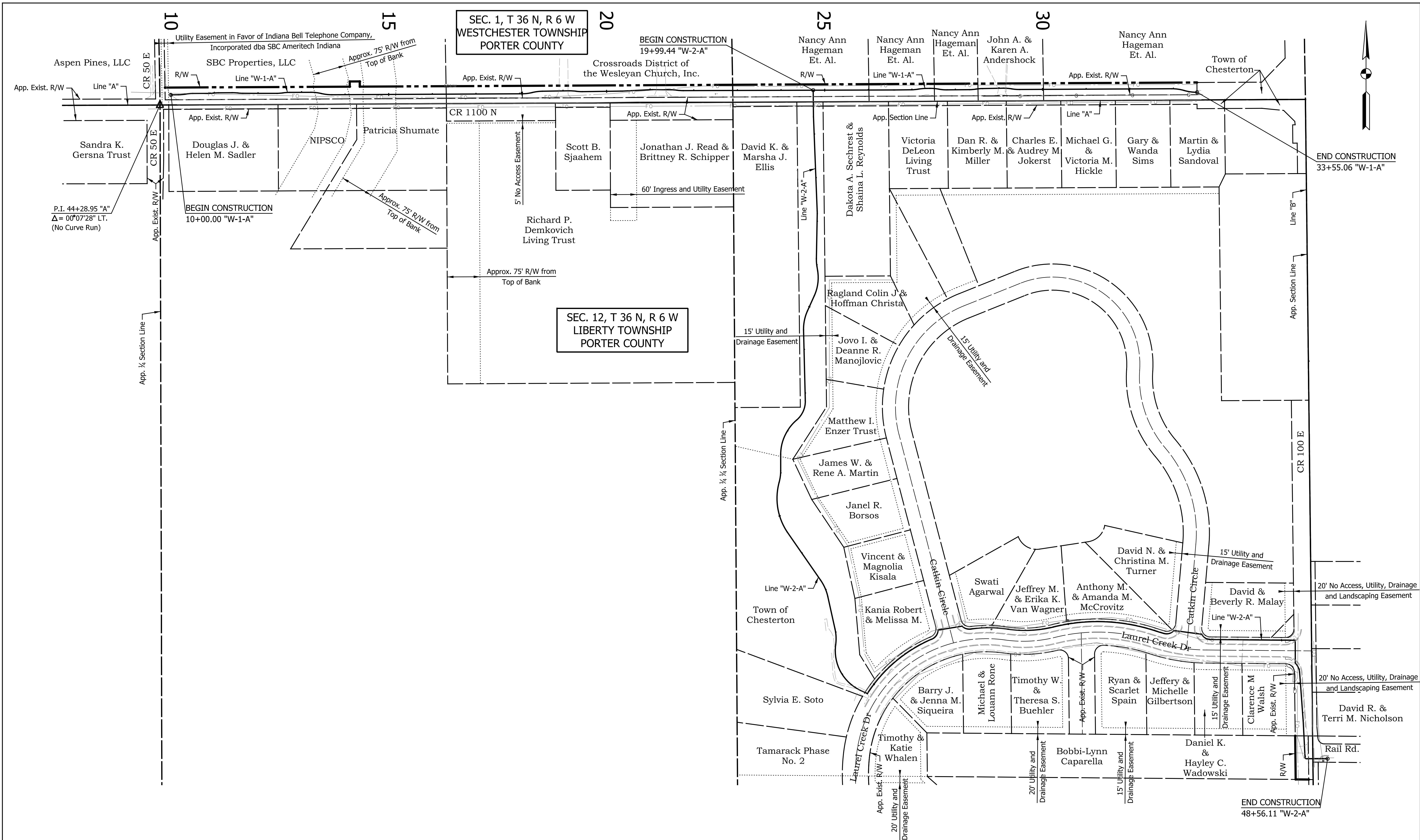
- (B) Boardwalk
- (F) 4" PCCP w/ 8" Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
- (O) 9" Compacted Aggregate, No. 53
- (26) Sodding, Nursery
- (70) Guardrail, MSG W-Beam, Double Faced 6 Ft. 3 In. Spacing
- (75) Fence, Wood, Split Rail, 42 in.
- (80) Gabions, Metallic Coated

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: CAK	DATE
CHECKED: GAL	CHECKED: GAL	

INDIANA
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
 Line "W-1-A" & "W-2-A"

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	3 of 72
CONTRACT	PROJECT
R-42649	1902832



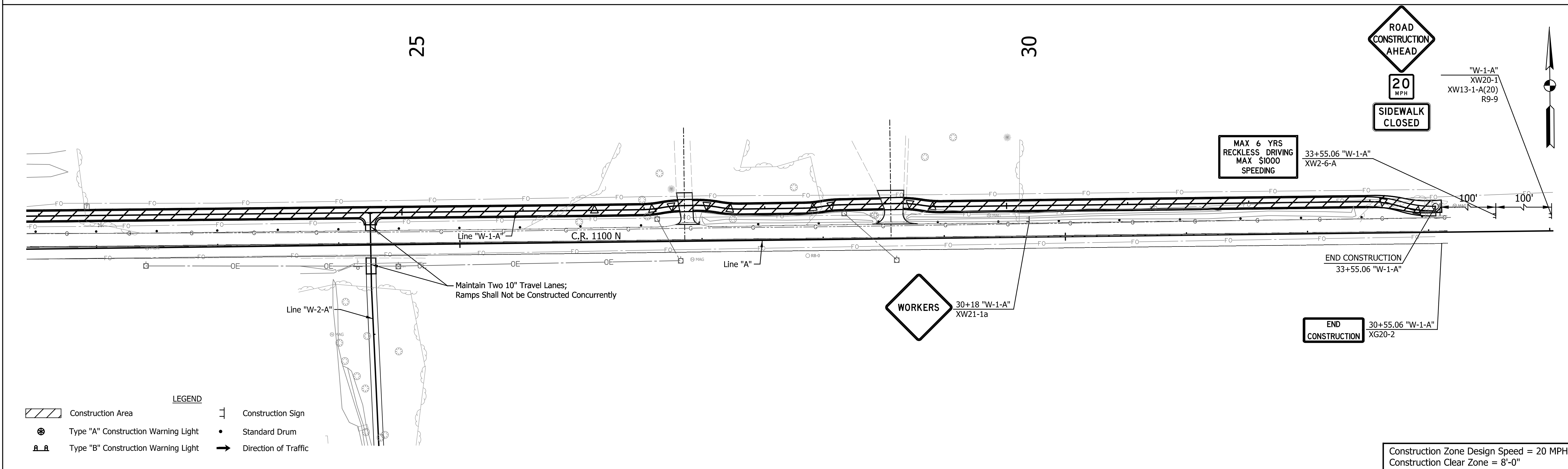
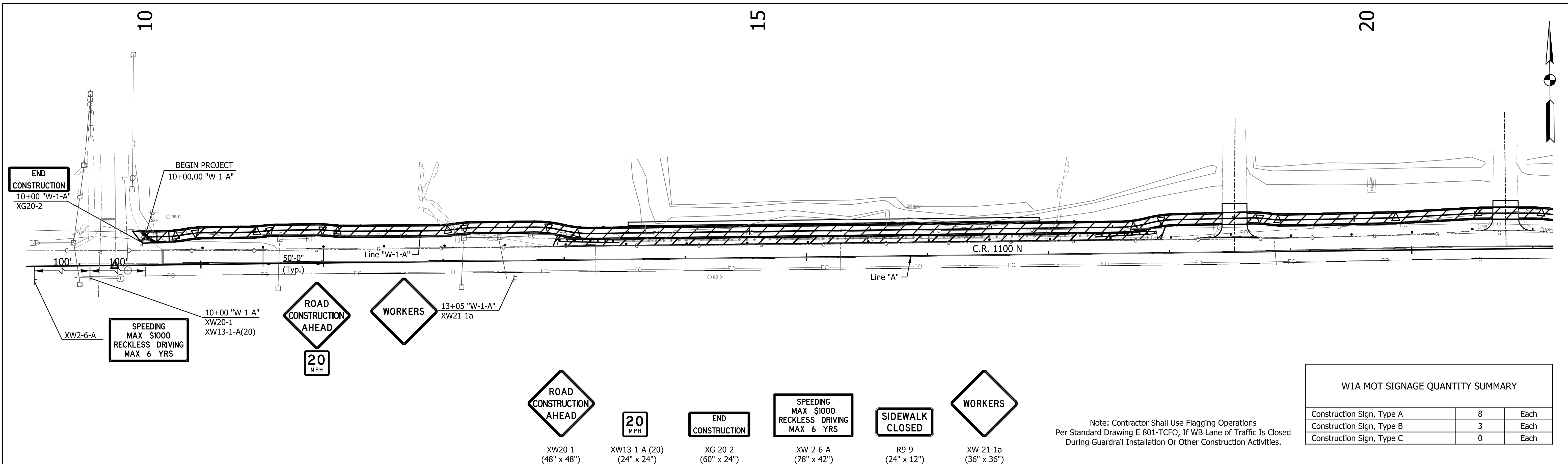
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY DATE
DESIGNED: JJS	DRAWN: JJS	
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	4 of 72
CONTRACT	PROJECT
R-42649	1902832



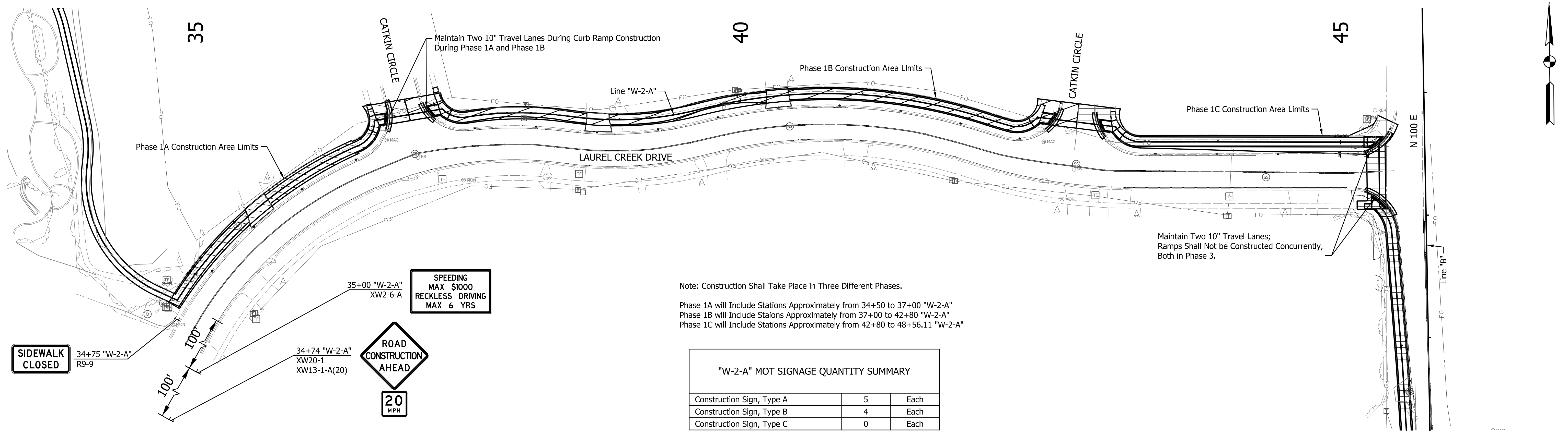
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: LMZ	DRAWN: LMZ		
CHECKED: GAL	CHECKED: GAL		

INDIANA
DEPARTMENT OF TRANSPORTATION

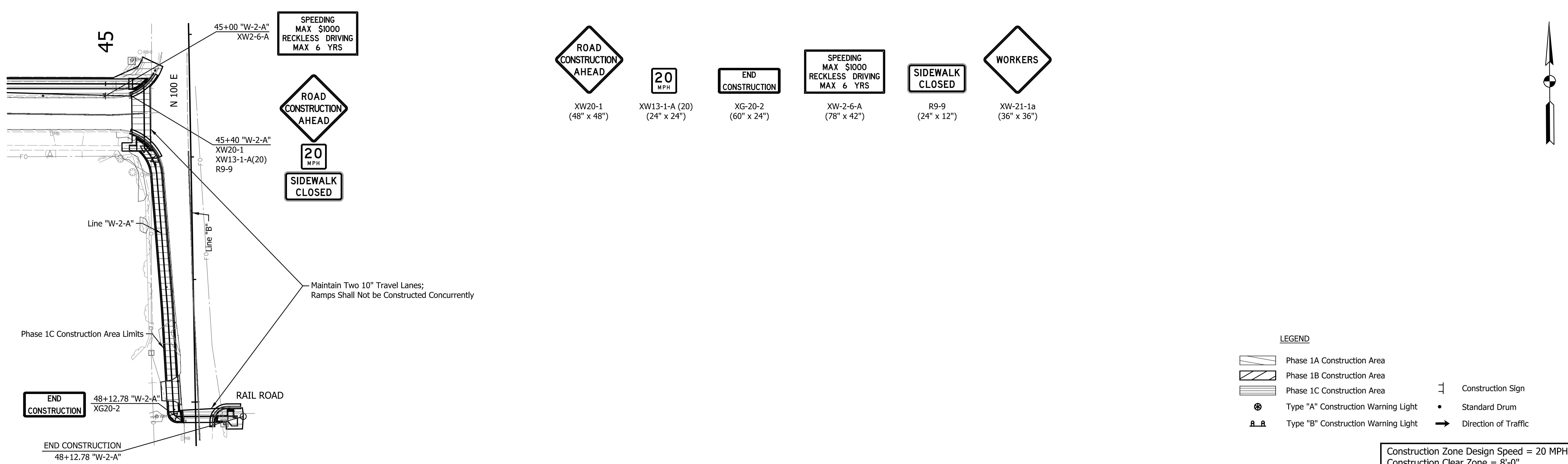
MAINTENANCE OF TRAFFIC
LINES "W-1-A" & "W-2-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	9 of 72
CONTRACT	PROJECT
R-42649	1902832



Note: Construction Shall Take Place in Three Different Phases.
 Phase 1A will Include Stations Approximately from 34+50 to 37+00 "W-2-A"
 Phase 1B will Include Stations Approximately from 37+00 to 42+80 "W-2-A"
 Phase 1C will Include Stations Approximately from 42+80 to 48+56.11 "W-2-A"

"W-2-A" MOT SIGNAGE QUANTITY SUMMARY		
Construction Sign, Type A	5	Each
Construction Sign, Type B	4	Each
Construction Sign, Type C	0	Each



- XW20-1
 (48" x 48")
- XW13-1-A (20)
 (24" x 24")
- XG-20-2
 (60" x 24")
- XW-2-6-A
 (78" x 42")
- R9-9
 (24" x 12")
- XW-21-1a
 (36" x 36")

LEGEND

	Phase 1A Construction Area		Construction Sign
	Phase 1B Construction Area		Standard Drum
	Phase 1C Construction Area		Direction of Traffic
	Type "A" Construction Warning Light		
	Type "B" Construction Warning Light		

Construction Zone Design Speed = 20 MPH
 Construction Clear Zone = 8'-0"

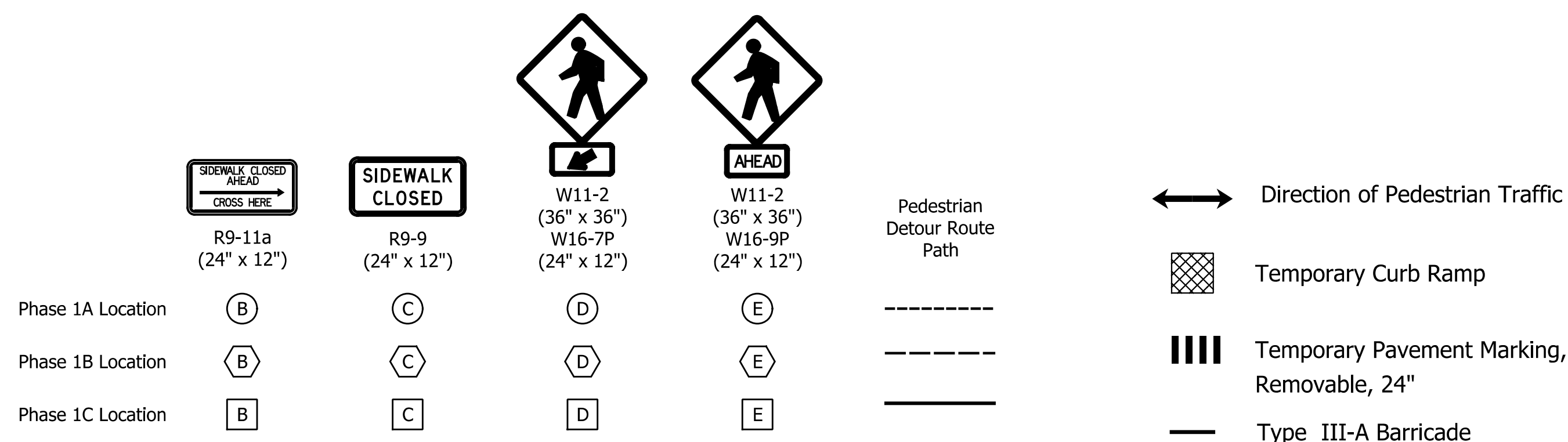
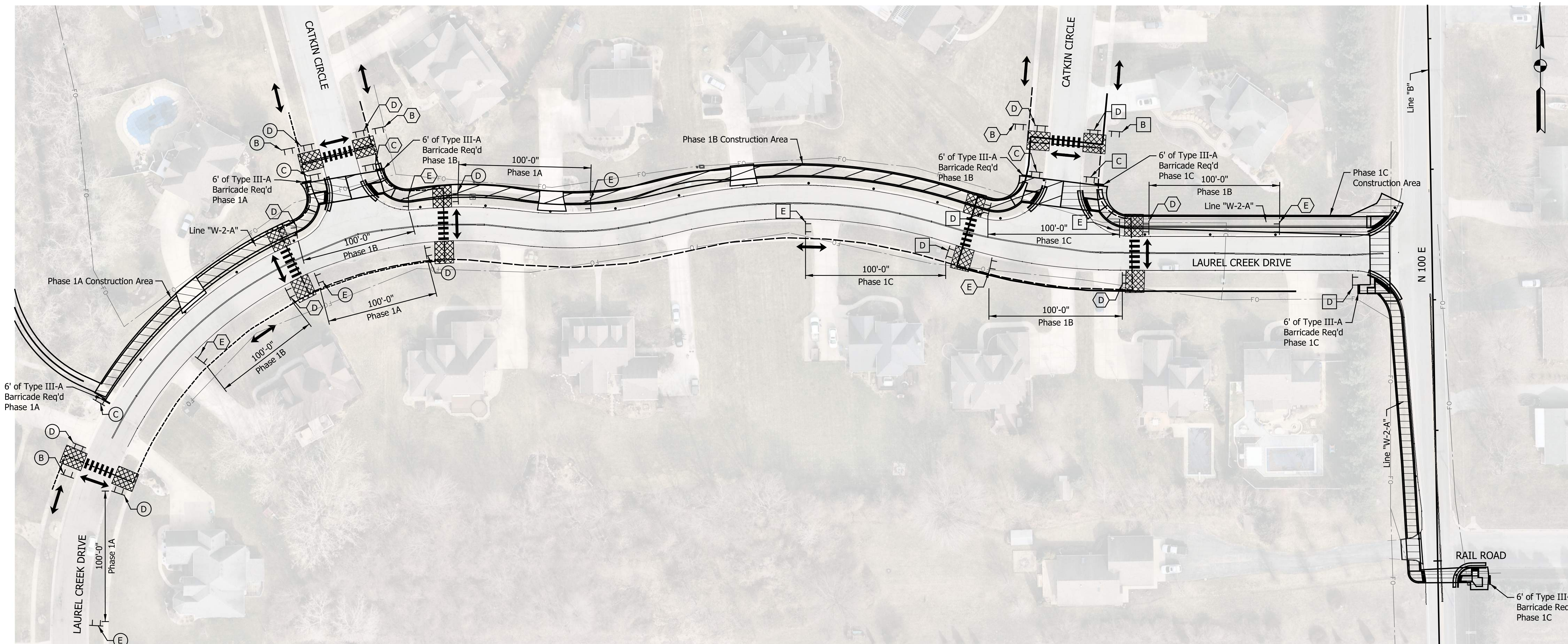
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: LMZ	DRAWN: LMZ		
CHECKED: GAL	CHECKED: GAL		

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC LINES "W-1-A" & "W-2-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	10 of 72
CONTRACT	PROJECT
R-42649	1902832



Note: Construction Shall Take Place in Three Different Phases.

Phase 1A will Include Stations Approximately from 34+50 to 37+00 "W-2-A"
 Phase 1B will Include Stations Approximately from 37+00 to 42+80 "W-2-A"
 Phase 1C will Include Stations Approximately from 42+80 to 48+56.11 "W-2-A"

1. Within the Closure, Sidewalks Shall Be Constructed in Phases, Such that Pedestrian Connectivity is Maintained.
2. Temporary Curb Ramps Shall Be Utilized as Necessary to Allow Pedestrians to Cross When Existing Curb Ramps are Not Present.
3. Contractor Shall Maintain All Temporary Crossing/Ramps and Ensure Crossings/Ramps are Clearly Delineated, Clean and Free of Debris and/or Obstructions.
4. Contractor Shall Maintain Pedestrian Access to All Residential Homes.
5. Contractor To Re-Use Signs, Barricades, and Temporary Curb Ramps Between the 3 Phases.

"W-2-A" PEDESTRIAN DETOUR QUANTITY SUMMARY - PHASE I A&B&C		
Construction Sign, Type A	10	Each
Construction Sign, Type B	14	Each
Type III-A Barricade	12	Lft.
Temporary Curb Ramps	8	Each
Temp. Pavm't Marking, Removable, 24 in.	216	Lft.

DATE	REVISION

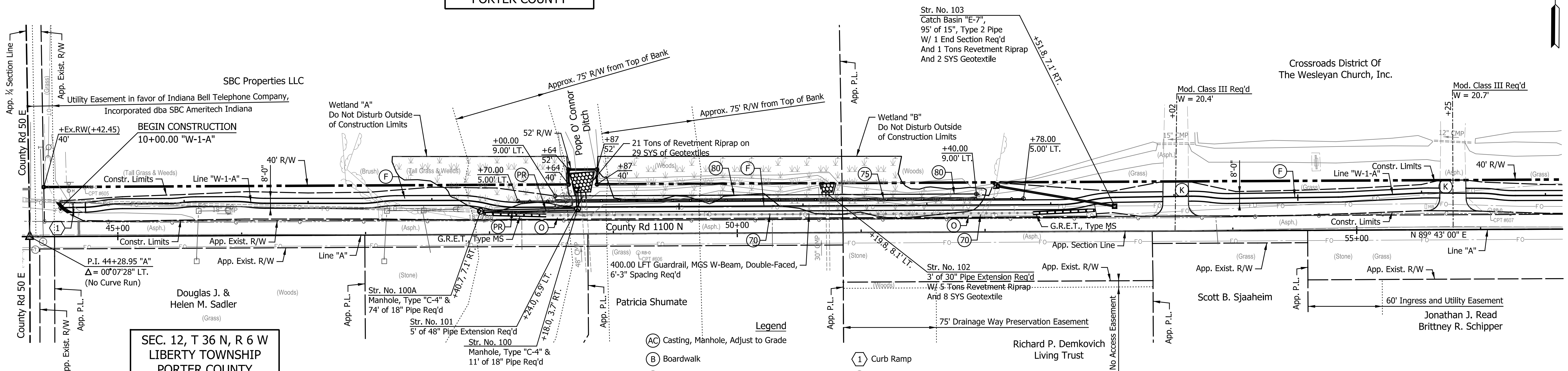
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: JJS	DATE
CHECKED: GAL	CHECKED: GAL	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PEDESTRIAN DETOUR	

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	11 of 11
CONTRACT	PROJECT
R-42649	1902832

SEC. 1, T 36 N, R 6 W
WESTCHESTER TOWNSHIP
PORTER COUNTY

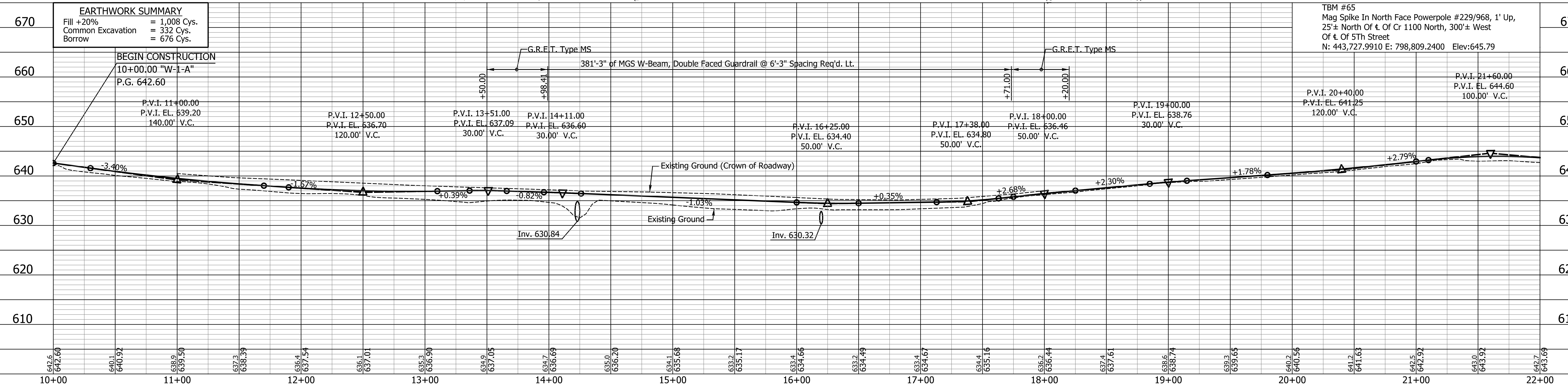
SEC. 12, T 36 N, R 6 W
LIBERTY TOWNSHIP
PORTER COUNTY



- Legend**
- (AC) Casting, Manhole, Adjust to Grade
 - (B) Boardwalk
 - (F) 4" PCCP w/ 8' Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
 - (P) Protect
 - (UR) Utility Relocate (By Others)
 - (K) PCCP for Approaches, 9 in., on Subgrade Treatment Type II
 - (O) 9" Compacted Aggregate, No. 53
 - (1) Curb Ramp
 - (70) Guardrail, MGS W-Beam, Double faced, 6 Ft. 3 In. Spacing
 - (75) Fence, Rail, Wood
 - (80) Gabions, Metallic Coating
 - (K1) PCCP for Approaches, 6 in., on Subgrade Treatment Type II
 - (PR) Pipe, Remove

EARTHWORK SUMMARY

Fill +20%	= 1,008 Cys.
Common Excavation	= 332 Cys.
Borrow	= 676 Cys.



TBM #65
Mag Spike In North Face Powerpole #229/968, 1' Up,
25'± North Of ½ Of Cr 1100 North, 300'± West
Of ½ Of 5th Street
N: 443,727.9910 E: 798,809.2400 Elev: 645.79

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: CAK	
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

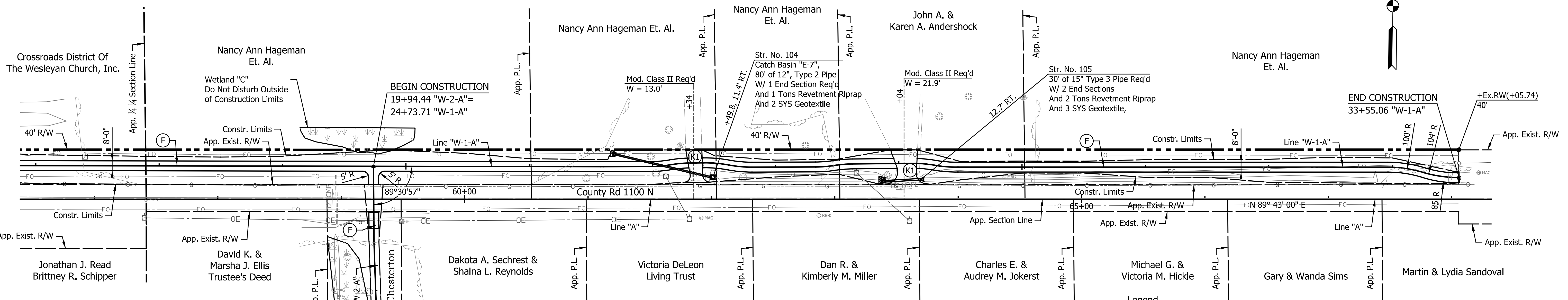
PLAN AND PROFILE
STA. 10+00.00 TO ST. 22+00.00 "W-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1902832
SURVEY BOOK	SHEETS
N/A	12 of 72
CONTRACT	PROJECT
R-42649	1902832

In: 10/21/2018
Indiana_Shafer.tbl

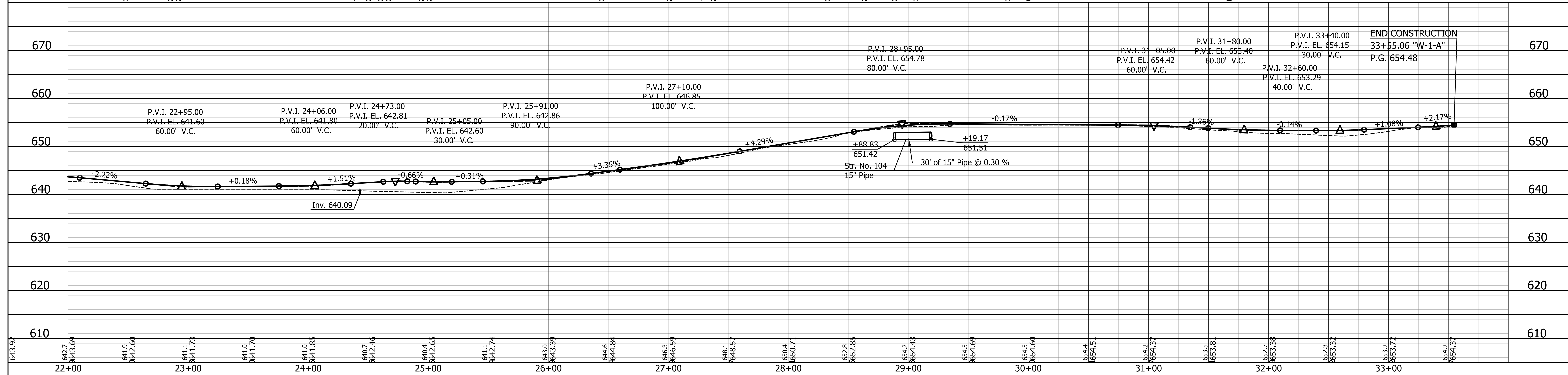
SEC. 1, T 36 N, R 6 W
WESTCHESTER TOWNSHIP
PORTER COUNTY

SEC. 12, T 36 N, R 6 W
LIBERTY TOWNSHIP
PORTER COUNTY



- Legend**
- (AC) Casting, Manhole, Adjust to Grade
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 - (F) 4" PCCP w/ 8" Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
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 - (K) PCCP for Approaches, 9 in., on Subgrade Treatment Type II
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 - (1) Curb Ramp
 - (70) Guardrail, MGS W-Beam, Double faced, 6 Ft. 3 In. Spacing
 - (75) Fence, Rail, Wood
 - (80) Gabions, Metallic Coating
 - (K1) PCCP for Approaches, 6 in., on Subgrade Treatment Type II
 - (PR) Pipe, Remove

NOTES:
All Topographic Information Described From Line "W-1-A", Except as Noted.
All Geometric Tie-In Details for Additional Alignment Information
All Right-of-Way Information Described From Line "A", Except as Noted.



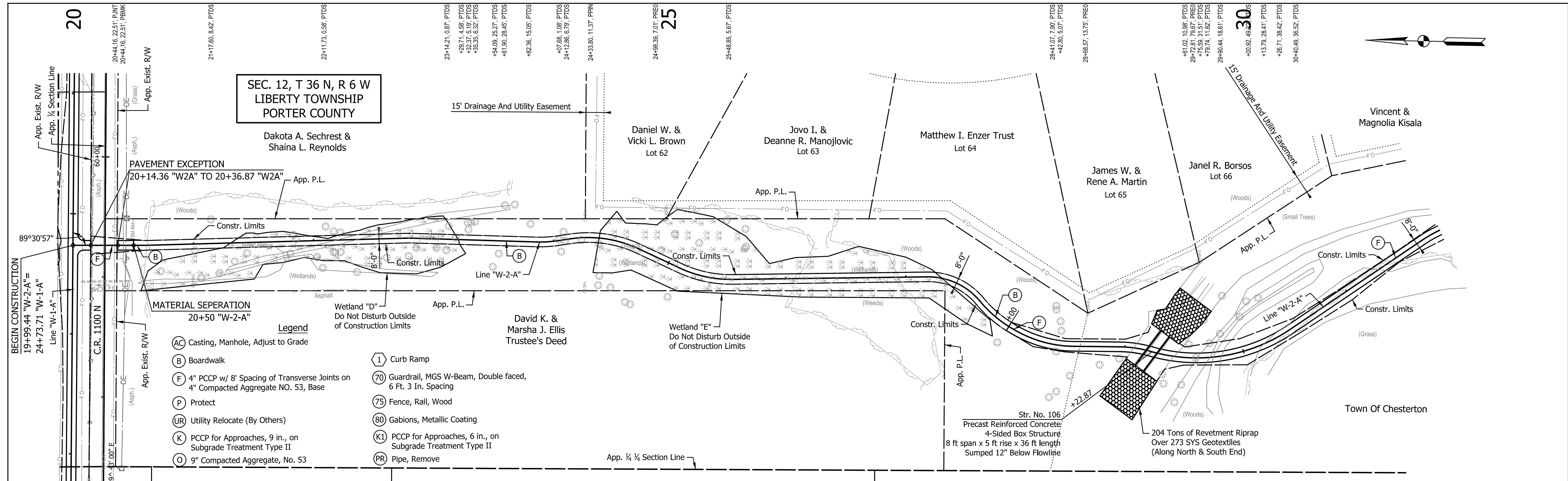
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: CAK	
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

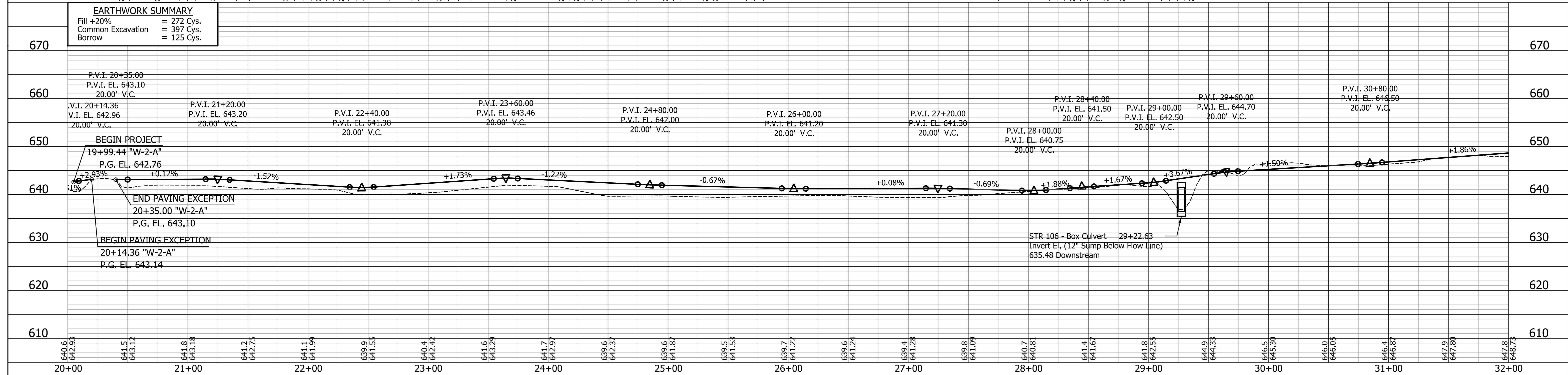
PLAN AND PROFILE
STA. 22+00.00 TO ST. 34+00 "W-1-A"

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1902832
SURVEY BOOK N/A	SHEETS 13 of 72
CONTRACT R-42649	PROJECT 1902832



- Legend**
- (AC) Casting, Manhole, Adjust to Grade
 - (B) Boardwalk
 - (F) 4" PCCP w/ 8' Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
 - (P) Protect
 - (UR) Utility Relocate (By Others)
 - (K) PCCP for Approaches, 9 in., on Subgrade Treatment Type II
 - (O) 9" Compacted Aggregate, No. 53
 - (1) Curb Ramp
 - (70) Guardrail, MGS W-Beam, Double faced, 6 Ft. 3 In. Spacing
 - (75) Fence, Rail, Wood
 - (80) Gabions, Metallic Coating
 - (K1) PCCP for Approaches, 6 in., on Subgrade Treatment Type II
 - (PR) Pipe, Remove

NOTES:
 All Topographic Information Described From Line "W-2-A", Except as Noted.
 All Geometric Tie-In Details for Additional Alignment Information



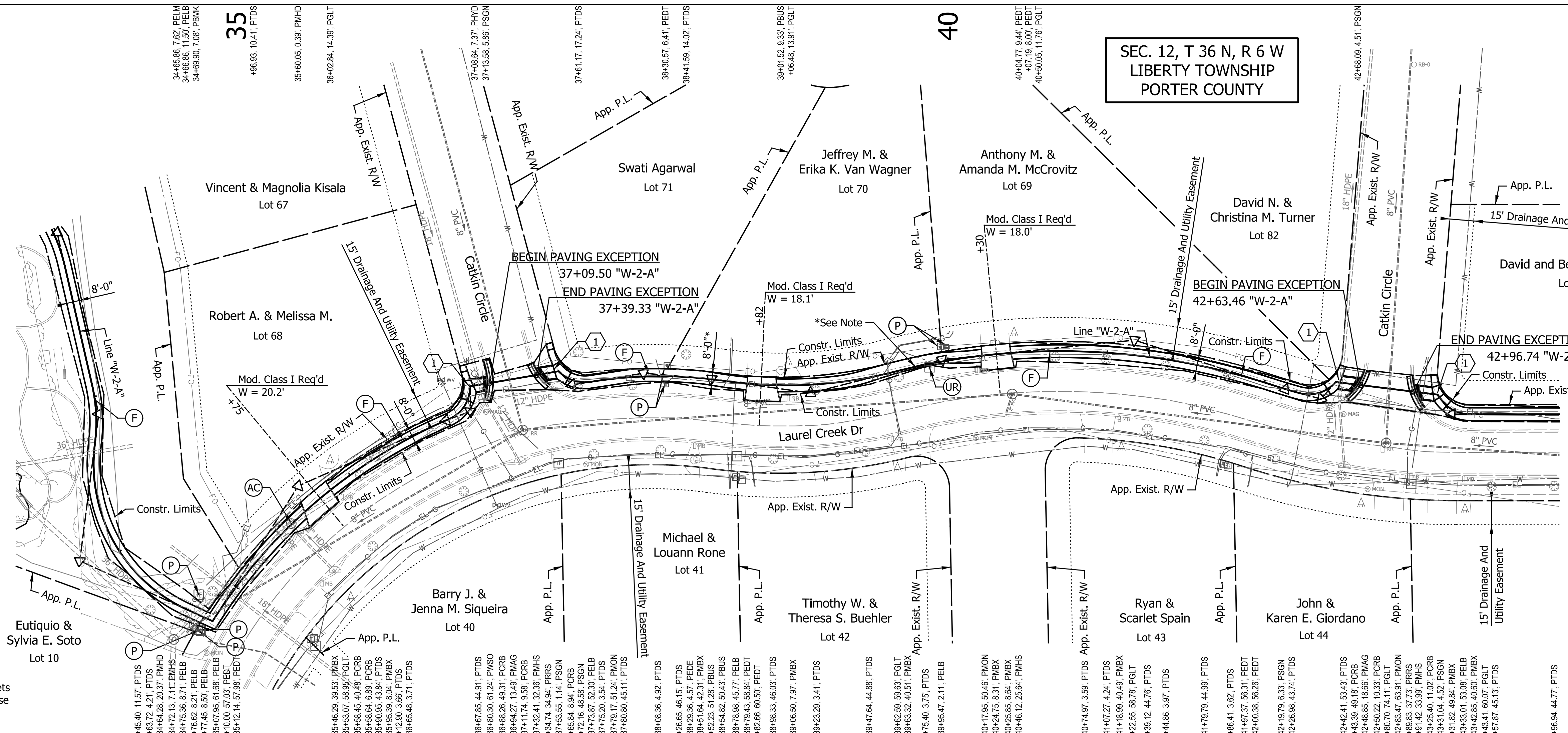
EARTHWORK SUMMARY

Fill +20%	=	272 Cys.
Common Excavation	=	397 Cys.
Borrow	=	125 Cys.

DATE	REVISION	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE	
						1" = 40'	N/A	
					DESIGNED: JJS	VERTICAL SCALE	DESIGNATION	
					DRAWN: CAK	1" = 10'	1902832	
					CHECKED: GAL	SURVEY BOOK	SHEETS	
					CHECKED: GAL	N/A	14 of 72	
					PLAN AND PROFILE		CONTRACT	PROJECT
					STA. 20+00.00 TO ST. 32+00.00 "W-2-A"		R-42649	1902832

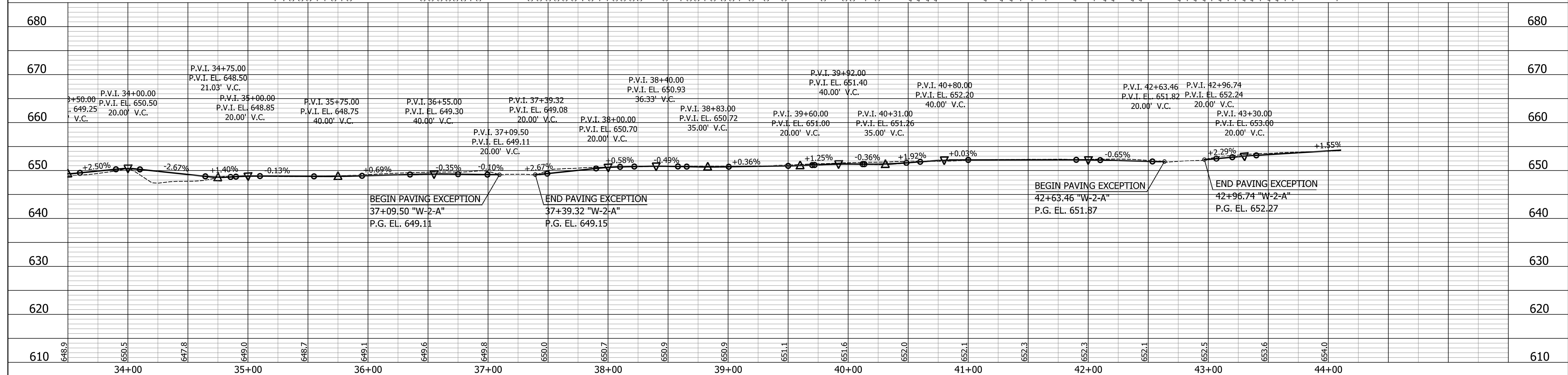
Info: dcf, abc, Indiana, Sheel, b

SEC. 12, T 36 N, R 6 W
LIBERTY TOWNSHIP
PORTER COUNTY



- Legend**
- (AC) Casting, Manhole, Adjust to Grade
 - (B) Boardwalk
 - (F) 4" PCCP w/ 8' Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
 - (P) Protect
 - (UR) Utility Relocate (By Others)
 - (K) PCCP for Approaches, 9 in., on Subgrade Treatment Type II
 - (I) Curb Ramp
 - (70) Guardrail, MGS W-Beam, Double faced, 6 Ft. 3 In. Spacing
 - (75) Fence, Rail, Wood
 - (80) Gabions, Metallic Coating
 - (K1) PCCP for Approaches, 6 in., on Subgrade Treatment Type II
 - (PR) Pipe, Remove
- NOTES:**
All Topographic Information Described From Line "W-2-A", Except as Noted.
All Geometric Tie-In Details for Additional Alignment Information

Note:
*See Spot Elevation Detail Sheets For This Area, Where Shared-Use Path does not follow "W-2-A"



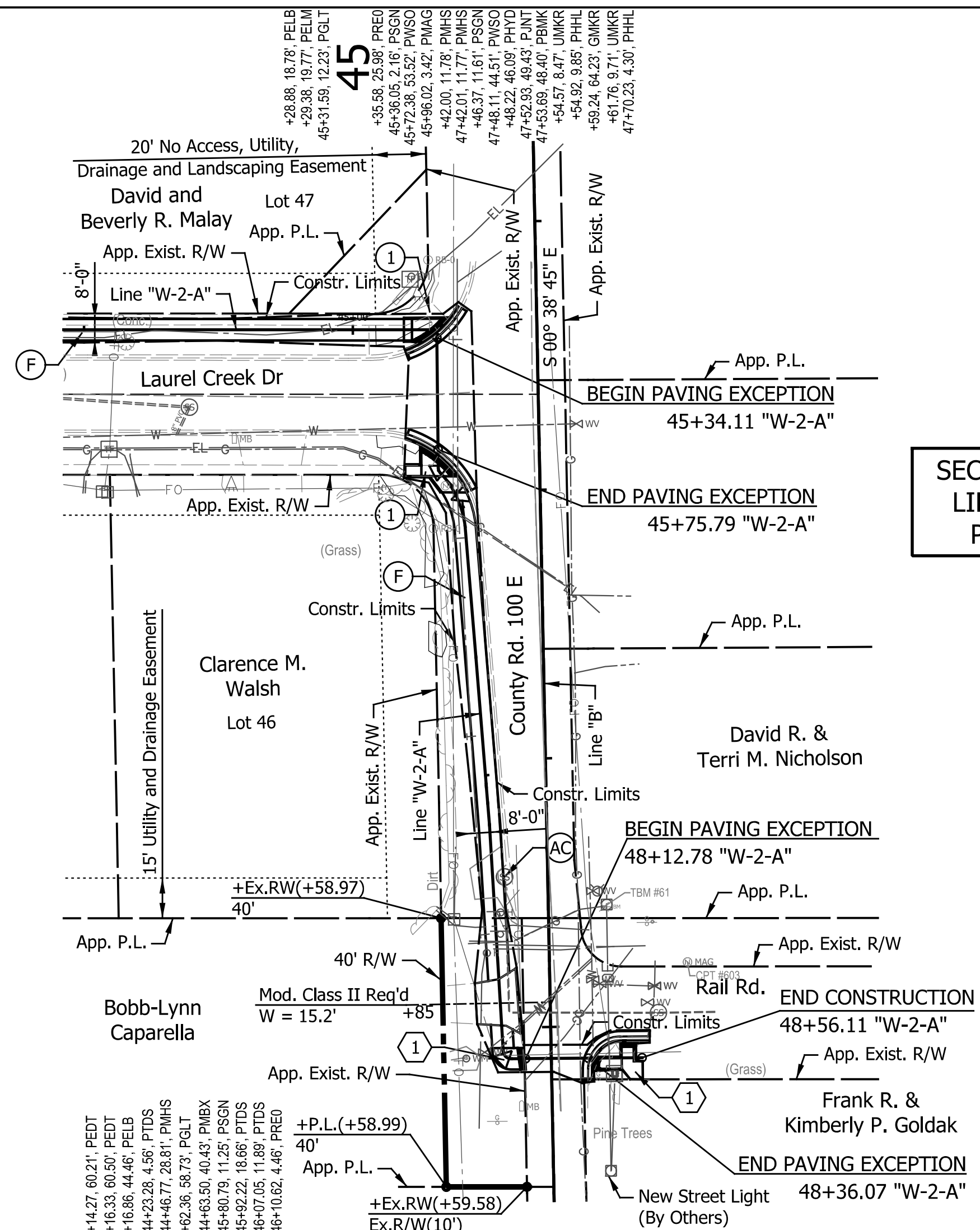
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: CAK	
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 32+00.00 TO ST. 44+00.00 "W-2-A"

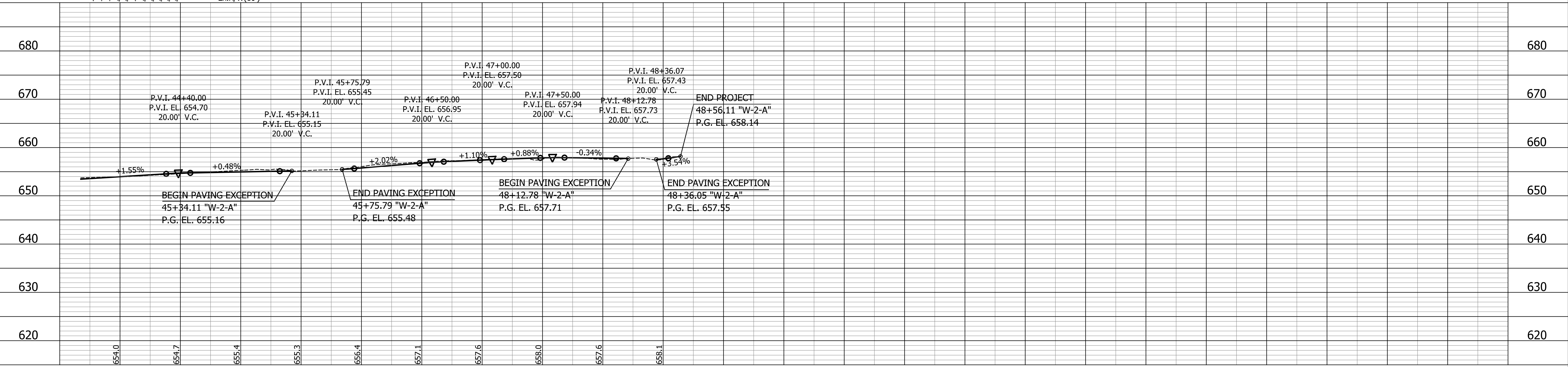
HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1902832
SURVEY BOOK	SHEETS
N/A	15 of 72
CONTRACT	PROJECT
R-42649	1902832



SEC. 12, T 36 N, R 6 W
LIBERTY TOWNSHIP
PORTER COUNTY

- Legend**
- (AC) Casting, Manhole, Adjust to Grade
 - (B) Boardwalk
 - (F) 4" PCCP w/ 8' Spacing of Transverse Joints on 4" Compacted Aggregate NO. 53, Base
 - (P) Protect
 - (UR) Utility Relocate (By Others)
 - (K) PCCP for Approaches, 9 in., on Subgrade Treatment Type II
 - (O) 9" Compacted Aggregate, No. 53
 - (1) Curb Ramp
 - (70) Guardrail, MGS W-Beam, Double faced, 6 Ft. 3 In. Spacing
 - (75) Fence, Rail, Wood
 - (80) Gabions, Metallic Coating
 - (K1) PCCP for Approaches, 6 in., on Subgrade Treatment Type II
 - (PR) Pipe, Remove

NOTES:
All Topographic Information Described From Line "W-2-A", Except as Noted.
All Geometric Tie-In Details for Additional Alignment Information



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ MM/DD/20YY DATE

DESIGN ENGINEER _____

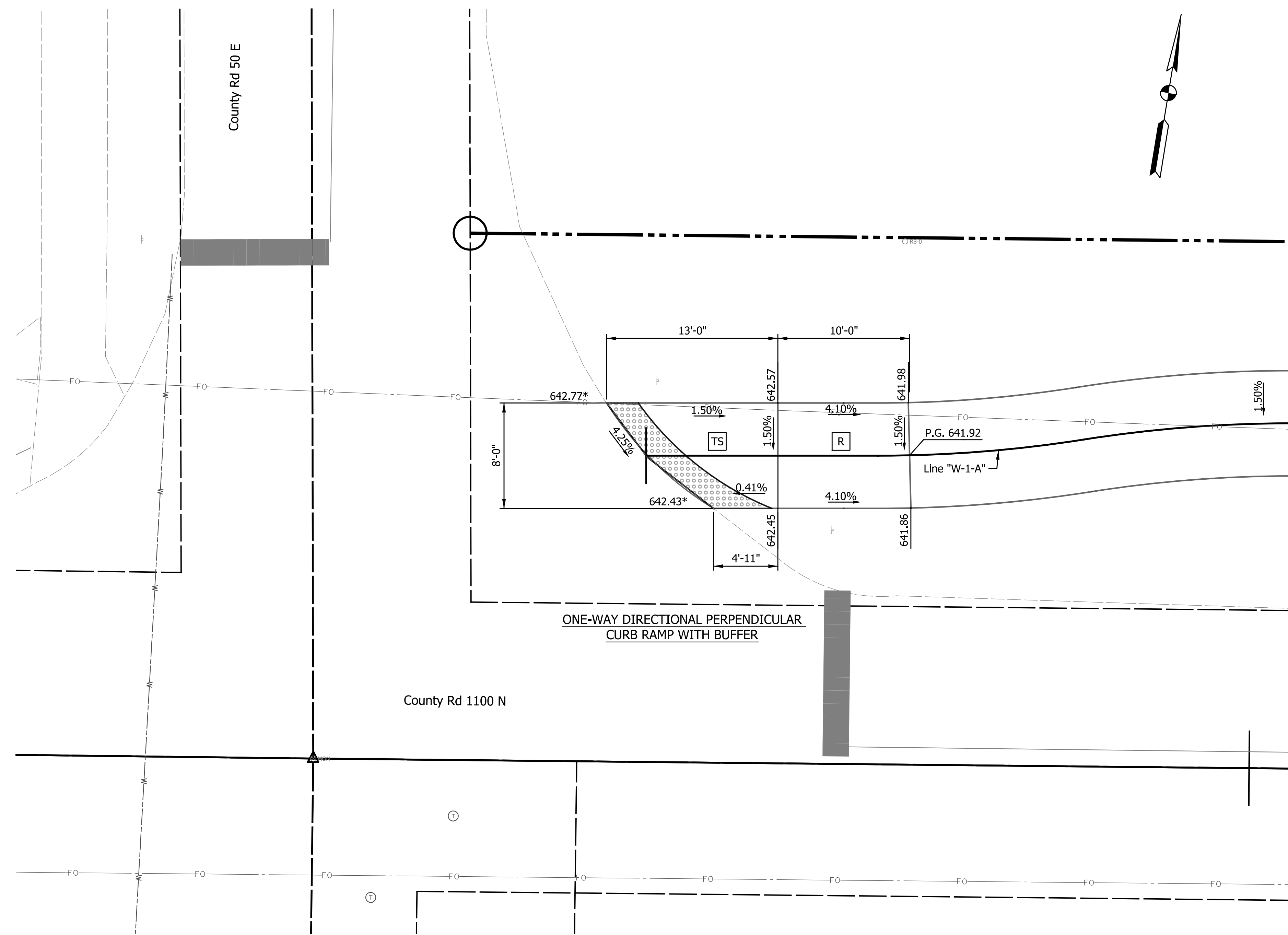
DESIGNED: JJS DRAWN: CAK

CHECKED: GAL CHECKED: GAL

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 44+00.00 TO ST. 47+80.97 "W-2-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1902832
SURVEY BOOK	SHEETS
N/A	16 of 72
CONTRACT	PROJECT
R-42649	1902832



NOTES:

1. Curb Ramps Designed Per Standard Drawing Series E 604-SWCR
2. * Match Existing
3. Running Slope on Blended Transitions Shall Not Exceed 5.0%.
4. Flared Sides Shall Not Exceed a 10.0% Slope.
5. Cross Slopes Shall Not Exceed 1.5%.
6. If field conditions differ from topographic information shown on the plans, the Contractor shall consult the design engineer and make necessary field adjustments to comply with ADA standards.
7. Removal of existing Detectable Warning Surface and replacement of adjacent concrete curb ramp shall be included in the cost of retrofitting Detectable Warning Surface.
8. Survey Limits extend to the joint between the existing curb and gutter and pavement. Contractor to match existing elevation at edge of pavement.
9. See Typical Cross Sections for Patching Detail

LEGEND

- Direction of Slope
- Patch
- Detectable Warning Surface
- Curb & Gutter, Roll Curb, Modified
- Sodding
- Curb & Gutter, Concrete, Modified
- Turning Space
- Bottom of Curb
- Flare Side
- Top of Curb
- Pedestrian Clear Space
- Temp. Inlet Protection
- Curb Ramp
- Clear Space - Cross Slope Shall Not Exceed 1.5% and Counter Slope Shall Not Exceed 5%

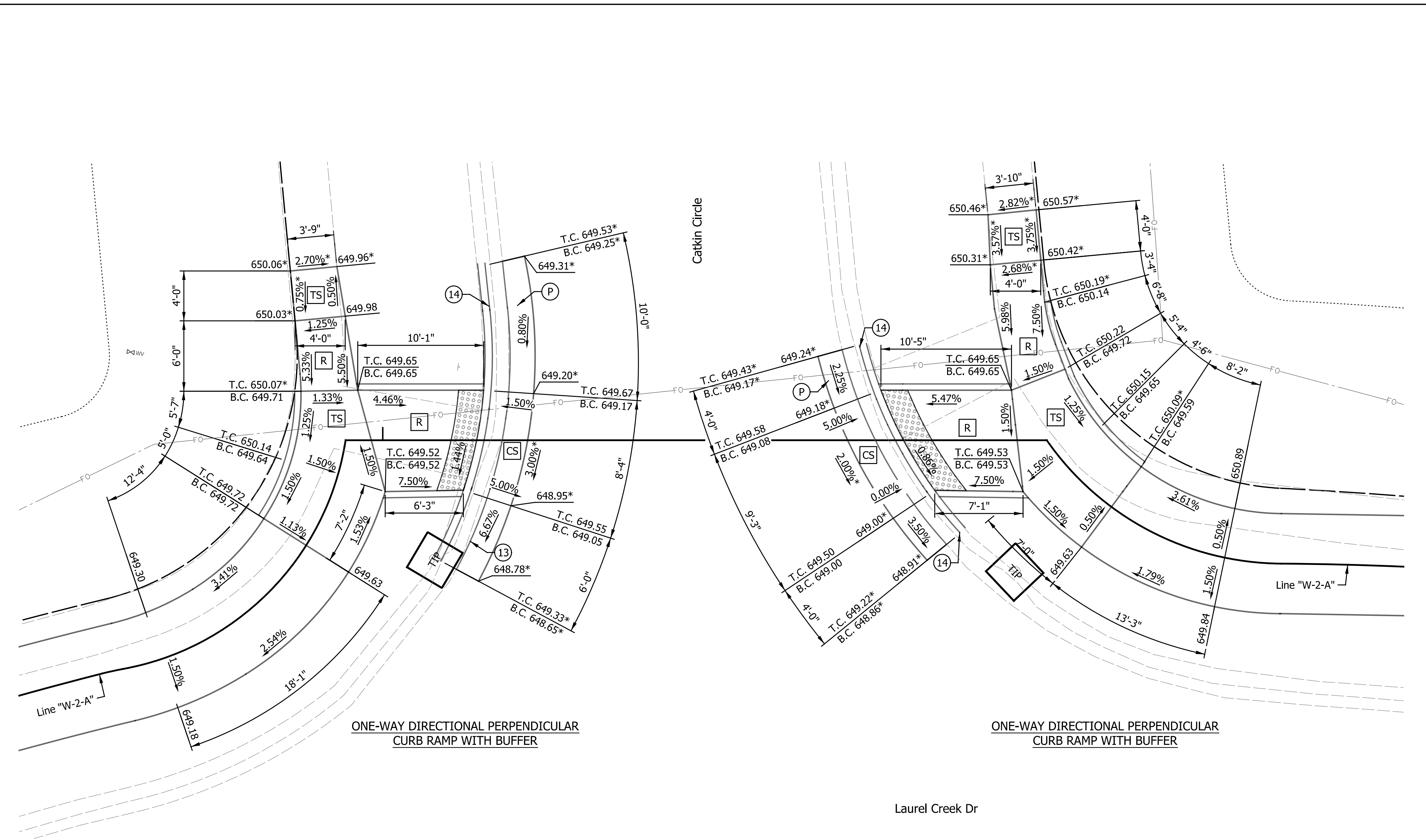
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: JJS	DRAWN: JJS		
CHECKED: GAL	CHECKED: GAL		

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	17 of 72
CONTRACT	PROJECT
R-42649	1902832



- NOTES:
1. Curb Ramps Designed Per Standard Drawing Series E 604-SWCR
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 3. Running Slope on Blended Transitions Shall Not Exceed 5.0%.
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LEGEND

	Direction of Slope		Patch
	Detectable Warning Surface		Curb & Gutter, Roll Curb, Modified
	Sodding		Curb & Gutter, Concrete, Modified
	Turning Space	B.C.	Bottom of Curb
	Flare Side	T.C.	Top of Curb
	Pedestrian Clear Space		Temp. Inlet Protection
	Curb Ramp		
	Clear Space - Cross Slope Shall Not Exceed 1.5% and Counter Slope Shall Not Exceed 5%		

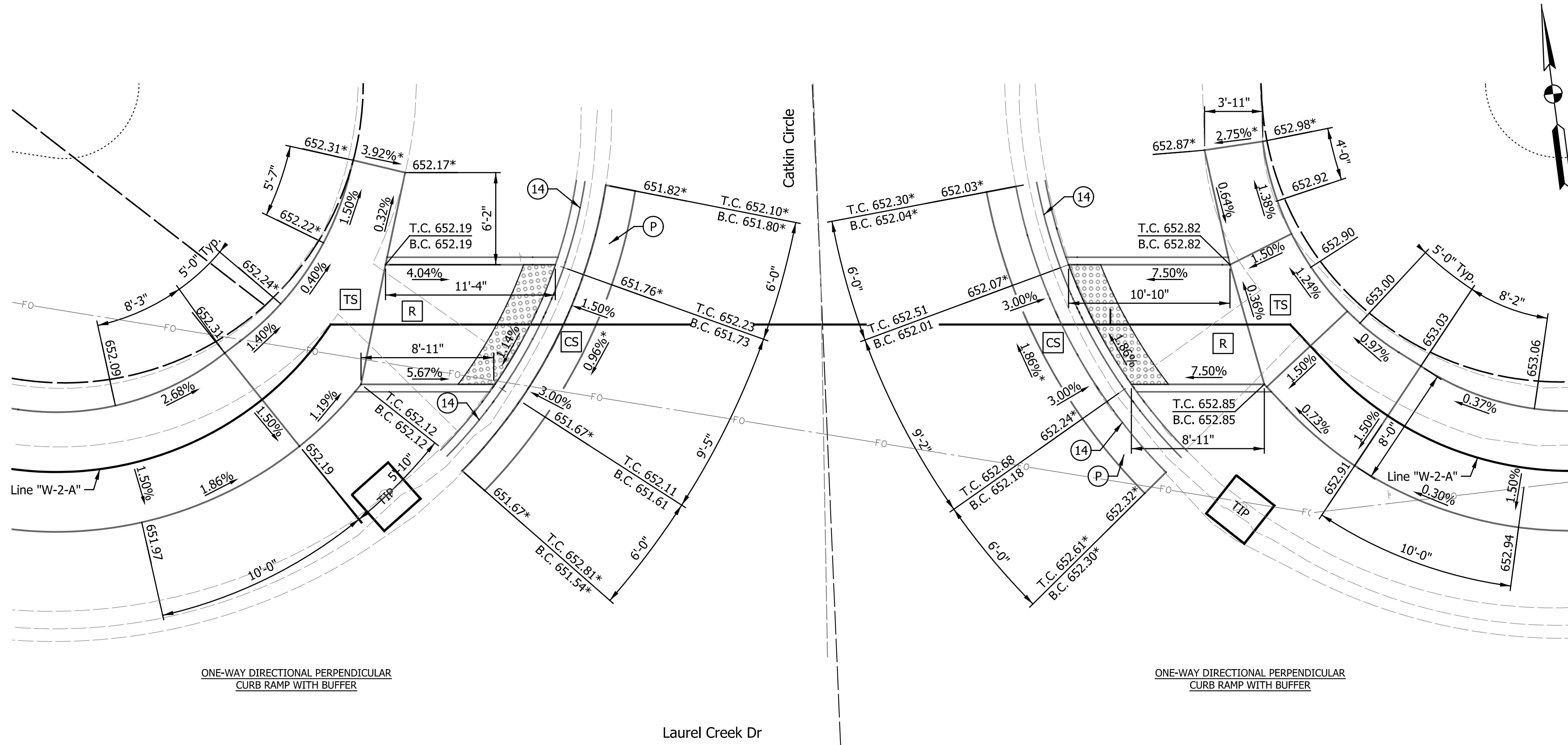
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: JJS	DATE
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	18 of 72
CONTRACT	PROJECT
R-42649	1902832



- NOTES:
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 9. See Typical Cross Sections for Patching Detail

LEGEND

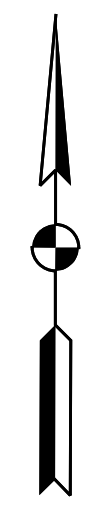
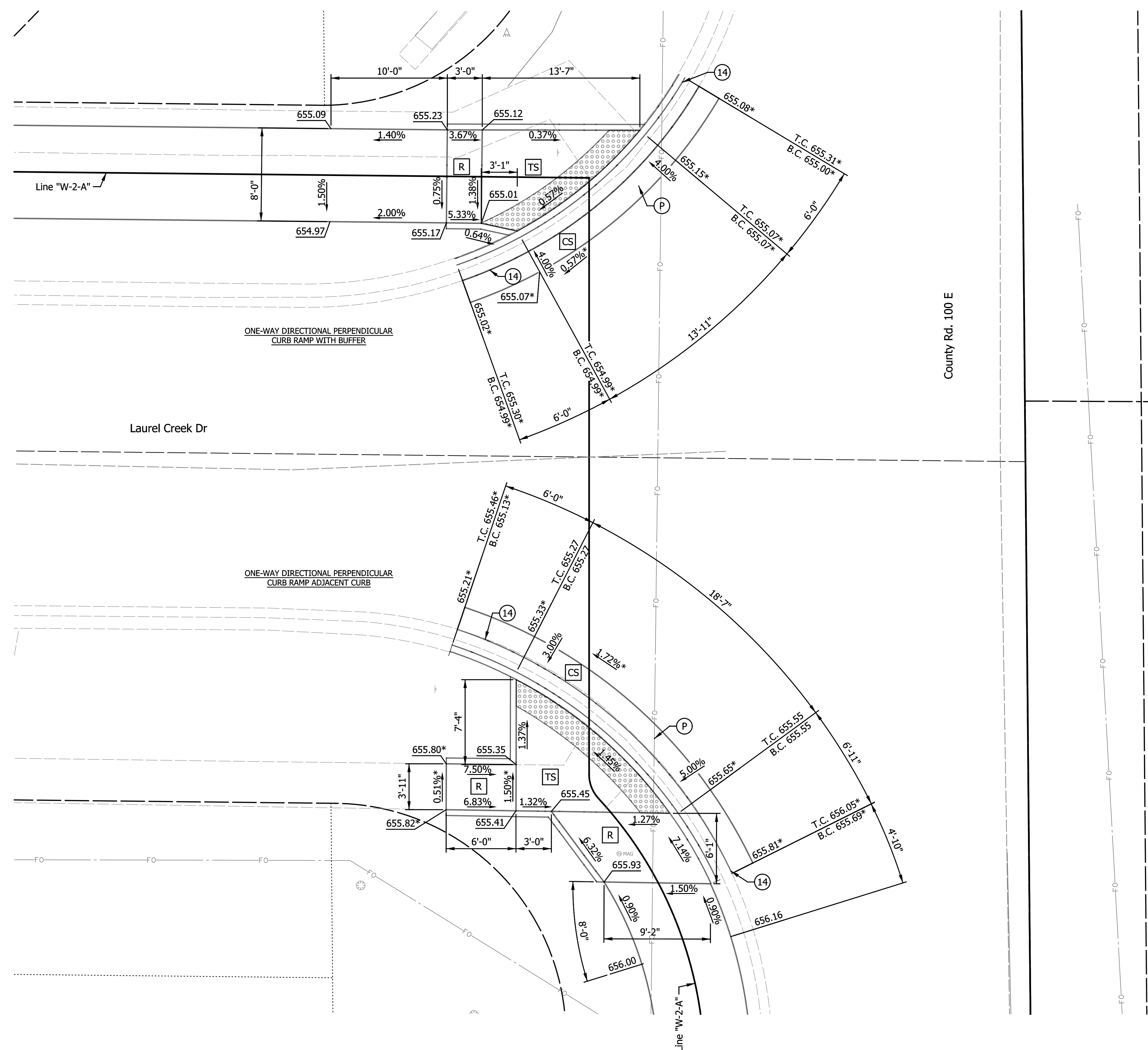
	Direction of Slope		Patch
	Detectable Warning Surface		Curb & Gutter, Roll Curb, Modified
	Sodding		Curb & Gutter, Concrete, Modified
	Turning Space	B.C.	Bottom of Curb
	Flare Side	T.C.	Top of Curb
	Pedestrian Clear Space		Temp. Inlet Protection
	Curb Ramp		
	Clear Space - Cross Slope Shall Not Exceed 1.5% and Counter Slope Shall Not Exceed 5%		

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: JJS	DRAWN: JJS		
CHECKED: GAL	CHECKED: GAL		

INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	19 of 72
CONTRACT	PROJECT
R-42649	1902832



- NOTES:
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LEGEND

	Direction of Slope		Patch
	Detectable Warning Surface		Curb & Gutter, Roll Curb, Modified
	Sodding		Curb & Gutter, Concrete, Modified
	Turning Space	B.C.	Bottom of Curb
	Flare Side	T.C.	Top of Curb
	Pedestrian Clear Space		Temp. Inlet Protection
	Curb Ramp		
	Clear Space - Cross Slope Shall Not Exceed 1.5% and Counter Slope Shall Not Exceed 5%		

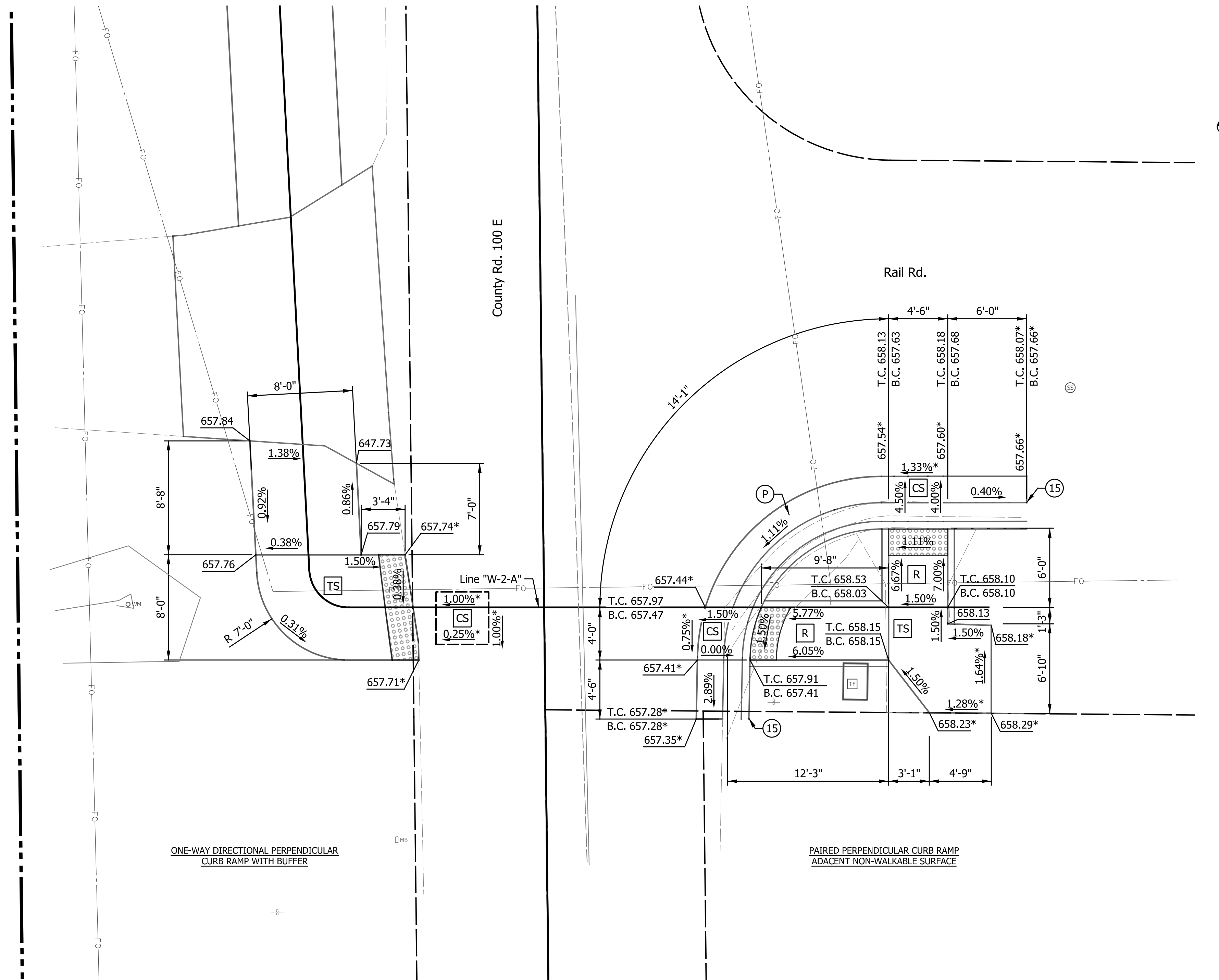
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: JJS	DATE
CHECKED: GAL	CHECKED: GAL	

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

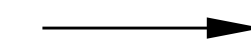

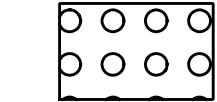

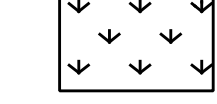






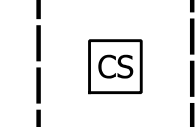
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902832
SURVEY BOOK	SHEETS
N/A	20 of 72
CONTRACT	PROJECT
R-42649	1902832



NOTES:

1. Curb Ramps Designed Per Standard Drawing Series E 604-SWCR
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LEGEND

	Direction of Slope		Patch
	Detectable Warning Surface		Curb & Gutter, Roll Curb, Modified
	Sodding		Curb & Gutter, Concrete, Modified
	Turning Space	B.C.	Bottom of Curb
	Flare Side	T.C.	Top of Curb
	Pedestrian Clear Space		Temp. Inlet Protection
	Curb Ramp		
	Clear Space - Cross Slope Shall Not Exceed 1.5% and Counter Slope Shall Not Exceed 5%		

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY
DESIGNED: JJS	DRAWN: JJS	DATE
CHECKED: GAL	CHECKED: GAL	

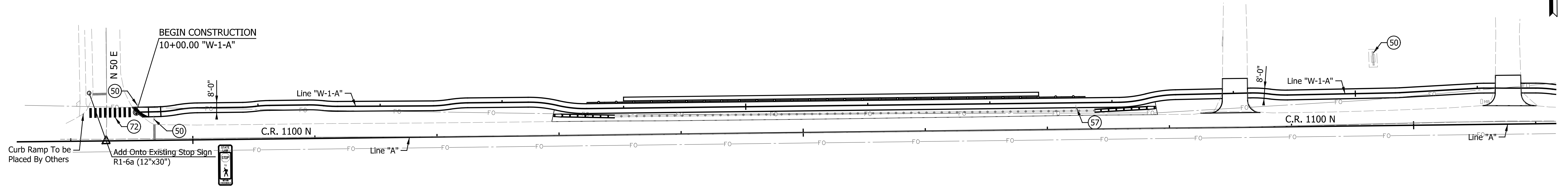
INDIANA DEPARTMENT OF TRANSPORTATION	
HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
N/A	1902832
CONTRACT	SHEETS
R-42649	21 of 72
	PROJECT
	1902832

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
N/A	1902832
CONTRACT	SHEETS
R-42649	21 of 72
	PROJECT
	1902832

10

15

20

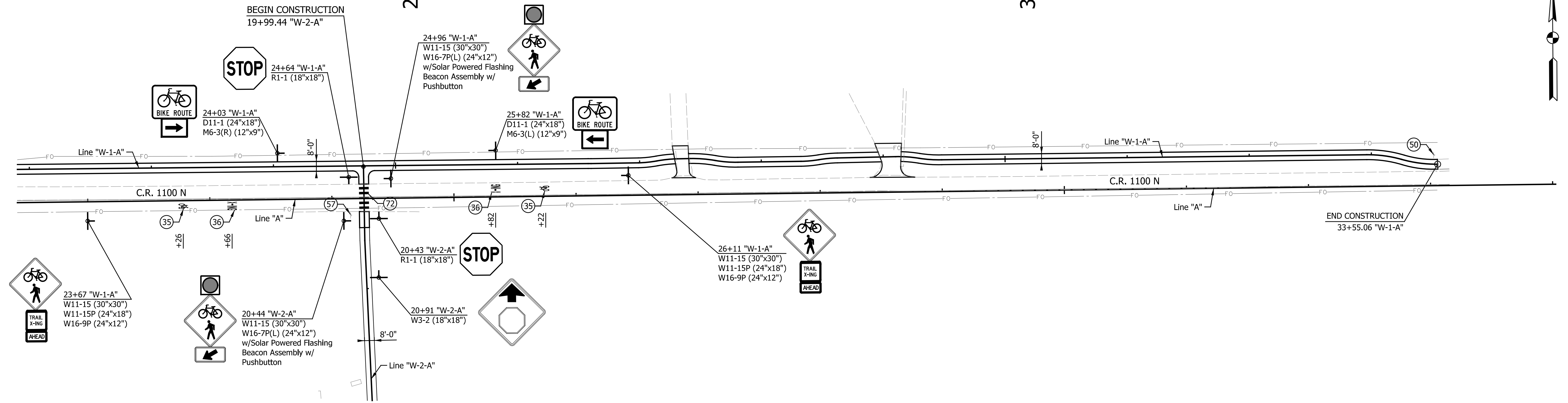


LEGEND:

- (35) Pavement Message Marking, Thermoplastic, Bike Symbol
- (36) Pavement Message Marking, Thermoplastic, "X-ING" Symbol
- (50) No Change Required to Existing Sign and Supports
- (56) Sign, Sheet and Supports Remove
- (57) Relocate Exist. Sheet Sign on New Supports
- (59) Existing Sheet on New Supports
- (72) Transverse Markings, Thermoplastic, Crosswalk Line, White, 24"
- └ Proposed Sheet Sign

25

30



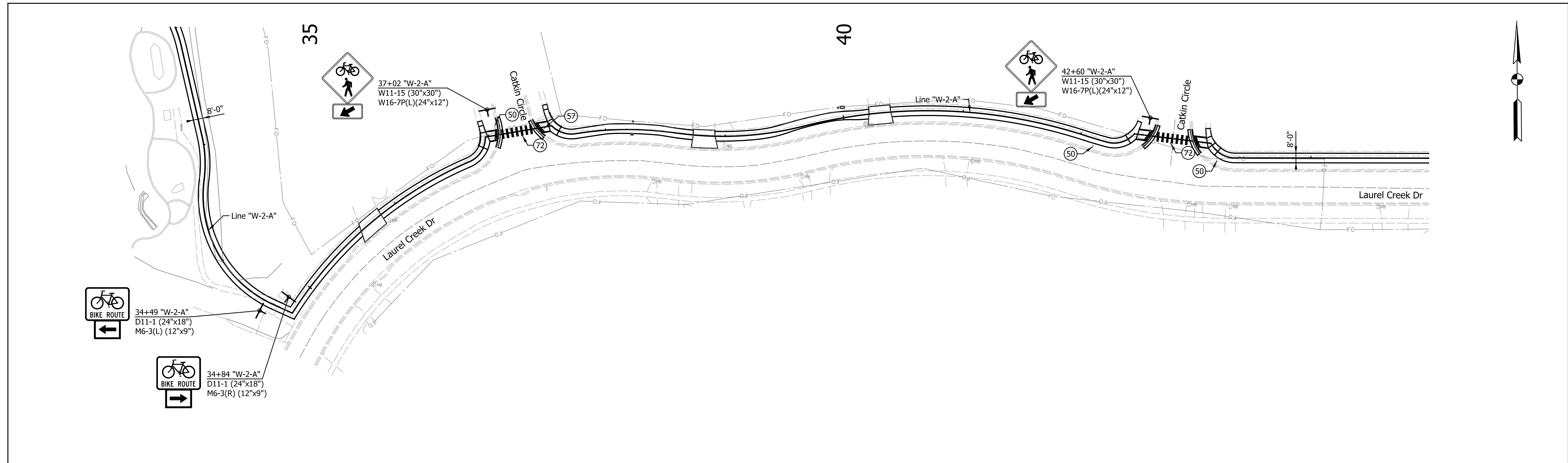
DATE	REVISION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	MM/DD/20YY _____
DESIGNED: _____ LMZ _____	DRAWN: _____ LMZ _____	CHECKED: _____ GAL _____
CHECKED: _____ GAL _____	CHECKED: _____ GAL _____	

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNING DETAILS

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1902832
SURVEY BOOK N/A	SHEETS 24 of 72
CONTRACT R-42649	PROJECT 1902832



- LEGEND:**
- Ⓟ Pavement Message Marking, Thermoplastic, Bike Symbol
 - Ⓟ Pavement Message Marking, Thermoplastic, "X-ING" Symbol
 - Ⓟ No Change Required to Existing Sign and Supports
 - Ⓟ Sign, Sheet and Supports Remove
 - Ⓟ Relocate Exist. Sheet Sign on New Supports
 - Ⓟ Existing Sheet on New Supports
 - Ⓟ Transverse Markings, Thermoplastic, Crosswalk Line, White, 24"
- ┆ Proposed Sheet Sign

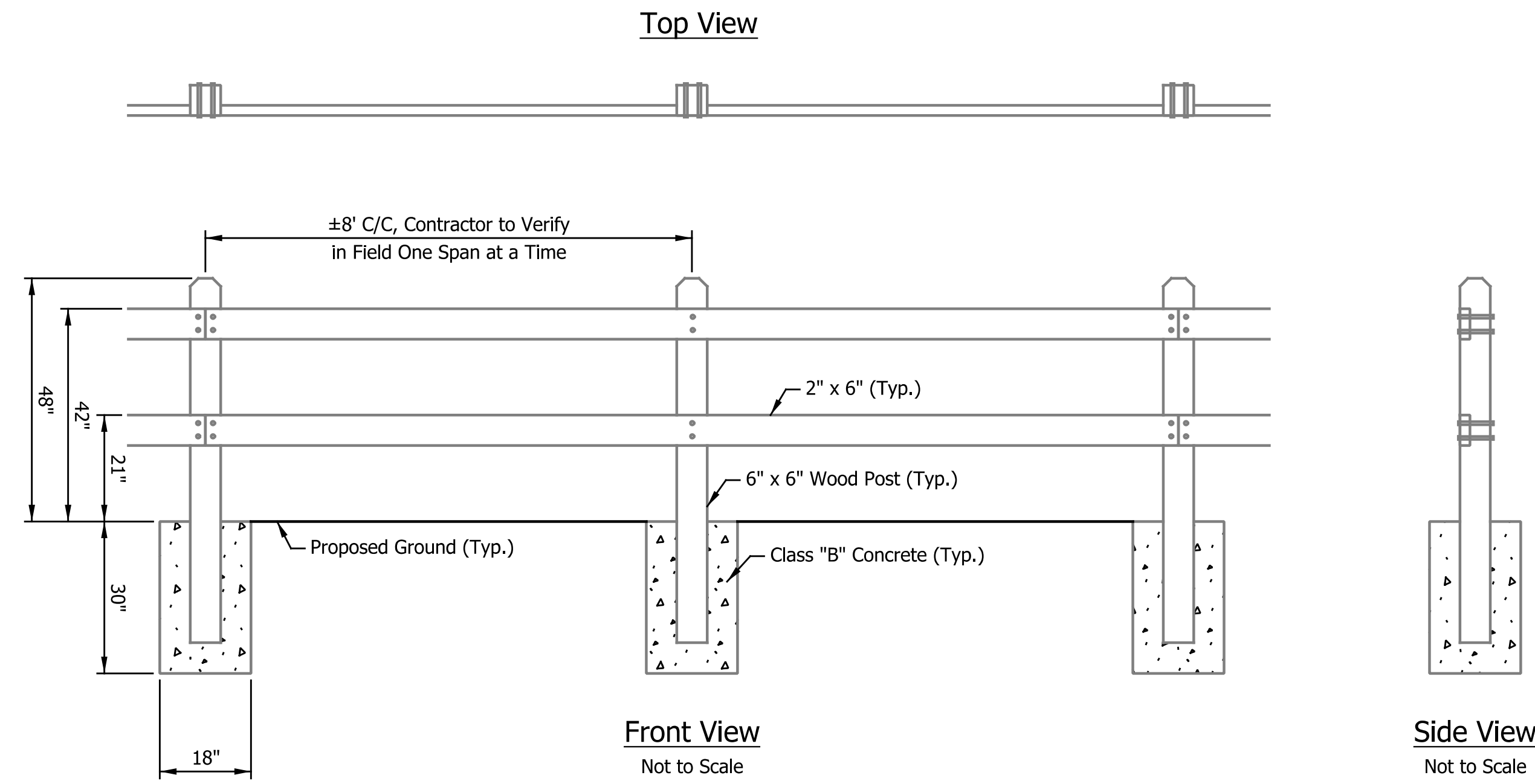
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: JJS	DRAWN: JJS		
CHECKED: GAL	CHECKED: GAL		

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS AND
SIGNING DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1"=40'	N/A
VERTICAL SCALE	DESIGNATION
1"=40'	1902832
SURVEY BOOK	SHEETS
N/A	25 of 72
CONTRACT	PROJECT
R-42649	1902832



Fence, Wood, Split Rail, 42 in.
Sta. 13+70.00 to 17+78.00 LT. "W-1-A"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER	MM/DD/20YY	DATE
DESIGNED: <u>JJS</u>	DRAWN: <u>JJS</u>		
CHECKED: <u>GAL</u>	CHECKED: <u>GAL</u>		

INDIANA DEPARTMENT OF TRANSPORTATION	
MISCELLANEOUS DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
N/A	1902832
CONTRACT	SHEETS
R-42649	26 of 72
	PROJECT
	1902832