PROJECT	DESIGNATION
1500398	1500398
CONTRACT	BRIDGE FILE
R-38353	N/A

INDIANA DEPARTMENT OF TRANSPORTATION

DESIGN DATA	
DESIGN SPEED	15 MPH
PROJECT DESIGN CRITERIA	IDM CHAPTER 51
FUNCTIONAL CLASSIFICATION	MULTI-USE TRAIL
RURAL/URBAN	URBAN
TERRAIN	ROLLING
ACCESS CONTROL	NONE

CITY OF BLOOMINGTON
BOARD OF PUBLIC WORKS

KYLA COX DECKARD — 8/3/20 DATE
PRESIDENT

BETH H. HOLLINGSWORTH — 8/3/20 DATE
VICE PRESIDENT

DANA PALAZZO — 8/3/20 DATE
SECRETARY

ROY ATEN, ERC — 7/30/20 DATE

TRAIL PLANS
JACKSON CREEK TRAIL PHASE 2
CITY OF BLOOMINGTON

PROJECT NO. 1500398

P.E.
R/W
CONST.

GROSS LENGTH:- 1.60 mi
NET LENGTH:- 1.60 mi

NEW MULTI-USE TRAIL BEGINNING AT THE SARE ROAD/RHORER ROAD INTERSECTION AND EXTENDING TO THE SOUTHEAST PARK ENTRANCE ON ARDEN DRIVE, IN SECTIONS 10 & 15, TOWNSHIP 8 NORTH, RANGE 1 WEST, PERRY TOWNSHIP, MONROE COUNTY, CITY OF BLOOMINGTON, INDIANA

SCALES:

PLAN { LONG:- 1"=20' TRANS:- 1"=20'
PROFILE { HORIZ:- 1"=20' VERT:- 1"=10'
MAX. GRADE: 8.68%

END PROJECT
P.O.T. Sta. 20+44.68 "PR-A"

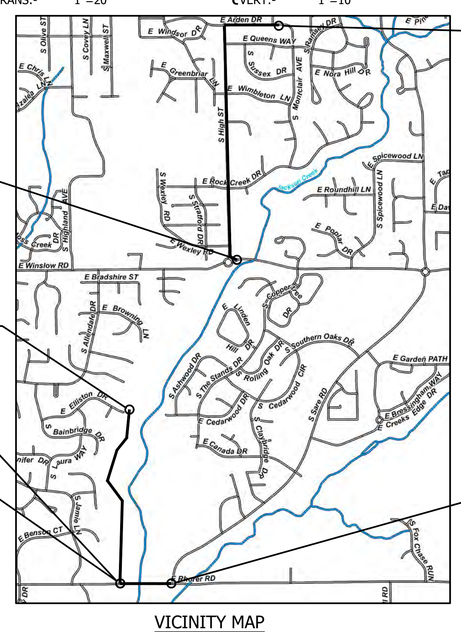
END PROJECT EXCEPTION
P.O.T. Sta. 10+10.00 "PR-B"

BEGIN PROJECT EXCEPTION
P.O.T. Sta. 37+86.29 "PR-C"

BEGIN PROJECT
P.O.T. Sta. 10+03.18 "PR-C"

BEGIN CONSTRUCTION
P.O.T. Sta. 10+00.00 "PR-D"

END CONSTRUCTION
P.O.T. Sta. 16+30.12 "PR-D"



VICINITY MAP
CITY OF BLOOMINGTON

SCALE: NONE

PROJECT LOCATION SHOWN BY

BEGIN PROJECT LATITUDE: 39°07'18" N.	LONGITUDE: 86°30'50" W.
END PROJECT LATITUDE: 39°08'50" N.	LONGITUDE: 86°30'17" W.

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES.

Indiana 811
Know what's below. Call before you dig.

CAUTION
LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

TREE CLEARING LIMITS

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

Headquarters
8450 WESTFIELD BLVD., SUITE 300
INDIANAPOLIS, IN. 46240-8302
TEL 317-713-4615
FAX 317-713-4616
www.BFSEngr.com

BF&S Butler Fairman & Seufert CIVIL ENGINEERS

Branch Locations
FORT WAYNE 260-459-1532
LOUSVILLE 502-593-1996
LAFAYETTE 765-423-5602
MERRILLVILLE 219-769-2333
PLAINFIELD 317-839-3242

CERTIFIED BY: 8/14/20 DATE

DOUGLAS A. VALKER REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

	FILE	
	DESIGNATION	
	1500398	
SURVEY BOOK	SHEET	
	01 OF 110	
CONTRACT	PROJECT	
R-38353	1500398	

BFS NO. 616700.00

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All tree clearing required along Arden can be performed during bat season as these are not viable bat roosting sites.

MITCHELL A. & REBECCA J. JACQUAY

BEGIN CONSTRUCTION
P.O.T. Sta. 10+29.74 "PR-A"

P.O.T. Sta. 10+25.71 "PR-A" = P.O.T. Sta. 50+90.45 "PR-B"

Remove and Reset Sign to New Curb

P.O.T. Sta. 10+00.00 "PR-A" = O.P.O.T. Sta. 50+90.52 "PR-B", 25.71' Lt.

P.O.T. Sta. 0+00.00 "B"

Sec. 10, T. 8 N., R. 1 W.
Perry Township
Monroe County

RICHARD A. MCCLUNG

+83.4, 8.0' Rt.
Adjust Valve Casting to Grade

Remove and Reset Sign

Remove & Reset Signs on Single New Post

N89°51'57"E

LINE "PR-A"

Construction Limits

N89°51'56"E

WILLIAMS CT.

+89, M.P.R.A. Req'd.
W=27', L=26', R=13',18'

+03.5, 2.1' Lt.
Structure No. 7A
Replace w/ Roll Curb & Adjust Casting to Grade
Flat Casting Req'd

Adjust Valve Casting to Grade

Remove Curb & Pvmt

P.O.T. Sta. 11+73.88 "PR-A" =

+08.9, 6.2' Rt.
Adjust Valve Casting to Grade

DAVID J. & LORI A. DAHLSTROM

+65, Mod. Cl. I Drive Req'd.
W=21', L=20'

Remove Curb & Pvmt

N89°51'57"E

LINE "PR-A"

ARDEN DRIVE

N89°51'56"E

LINE "B"

New 4' Sidewalk

BENJAMIN G. HOLTERHOFF

+98, M.P.R.A. Req'd.
W=28', L=24', R=16',18'

N89°51'57"E

Adjust Valve Casting to Grade

Construction Limits

Remove & Reset Sign on Single New Post

+12.8, 3.0' Lt.
Structure No. 8
Inlet Type J w/ Roll Curb Casting
30' Of 12" Pipe Req'd
14' Of 6" Pipe Req'd

Remove Inlet & Pipe

GREENFIELD CT.

Match Line - Sta. 15+30 "PR-A"

ERIC T. SCHEPER & LAURA DONAUER

LINE "PR-B"

App. 1/4 Section Line

DOUGLAS A. & SAMANTHA H. EIBLING

Sec. 10, T. 8 N., R. 1 W.
Perry Township
Monroe County

No R/W This Sheet

S. HIGH STREET

SERGEY & SVETLANA PINCHUK

Sec. 10, T. 8 N., R. 1 W.
Perry Township
Monroe County

JOHN L. & SARAH H. STAVA

BEVERLY MCGAHEY

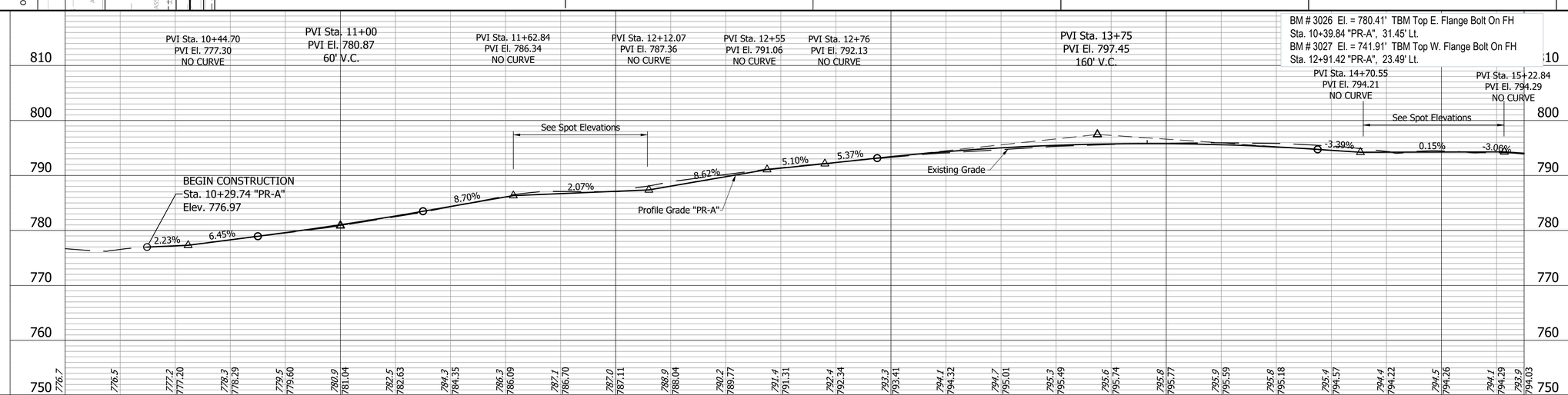
ERINN E. DRONE & ALEX P. KENNER

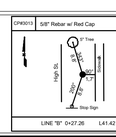
LEGEND

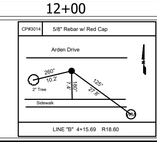
F	SIDEWALK, CONCRETE, 4"
F1	PCCP, 5 IN. FOR SIDEWALK on 4" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT, TYPE III
C	PCCP, 6 IN. FOR APPROACHES on 6 IN. DENSE GRADED SUBBASE on SUBGRADE TREATMENT, TYPE II
K2	HMA FOR APPROACHES TYPE B 165 #/syd HMA SURFACE TYPE B on 275 #/syd HMA INTERMEDIATE TYPE B on 440 #/syd HMA BASE TYPE B on SUBGRADE TREATMENT TYPE II
K1	1½" Mill & 165#/SYS HMA FOR SURFACE, TYPE B
CR	CURB RAMP
16	ROLLED CURB AND GUTTER, COMBINED
43	TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
44	TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK (24" BAR/24" GAP)

EARTHWORK SUMMARY

Common Excavation	
Cross Sectional Areas	1,090 cys
Undistributed for Undercut	767 cys
Fill	
Cross Sectional Areas	2,204 cys
25% Compaction Factor	551 cys
Estimated Reusable for Topsoil (20%)	218 cys
Estimated Reusable for Borrow (30%)	327 cys
Estimated Offsite Topsoil Quantity	560 cys
Estimated Offsite Borrow Quantity	1,099 cys







DOUGLAS A. VALORE
REGISTERED
No. PE19800142
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER 8/14/20 DATE

DESIGNED: DAV DRAWN: JDW

CHECKED: AH CHECKED: DAV

JACKSON CREEK TRAIL PHASE 2
PLAN & PROFILE LINE "PR-A"

BLOOMINGTON INDIANA

Headquarters
8450 WESTFIELD BLVD., SUITE 300
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PLAINFIELD 317-839-3242

Butler Fairman & Seufert
CIVIL ENGINEERS

HORIZONTAL SCALE	1"=20'
VERTICAL SCALE	1"=10'
BRIDGE FILE	
DESIGNATION	1500398
SURVEY BOOK	
SHEET	14 OF 110
CONTRACT	R-38353
PROJECT	1500398

BFS NO. 616700.00

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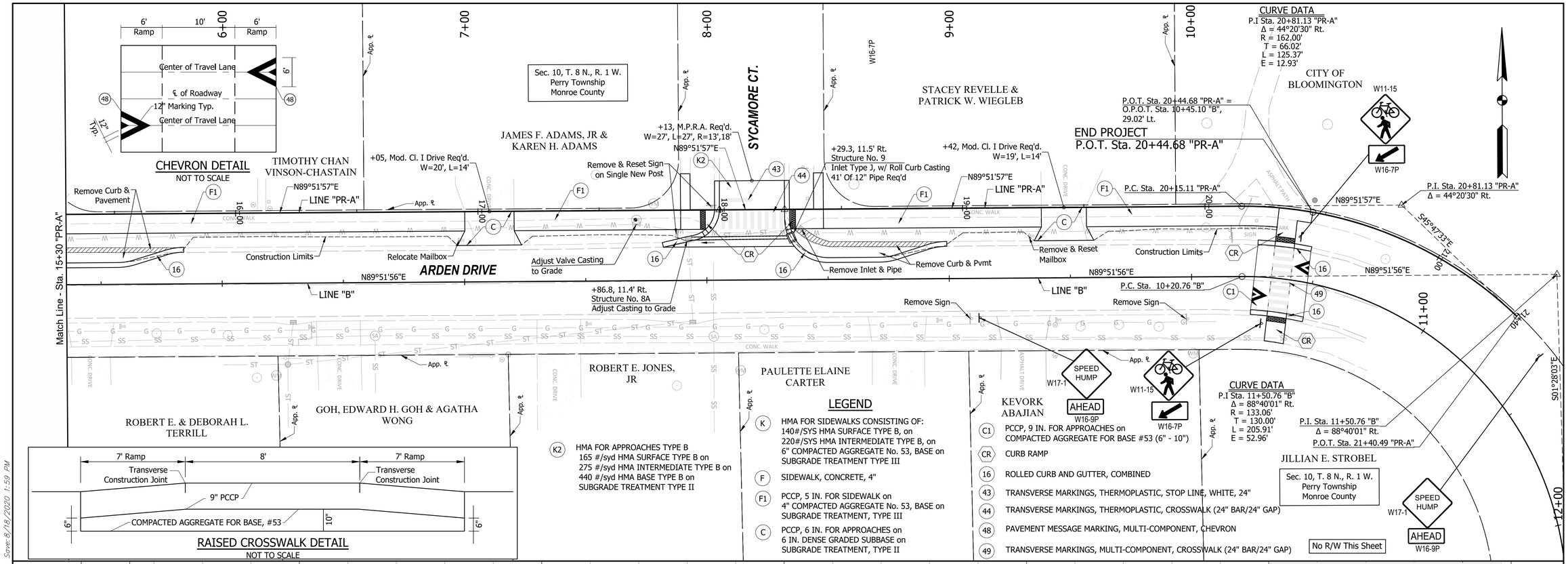
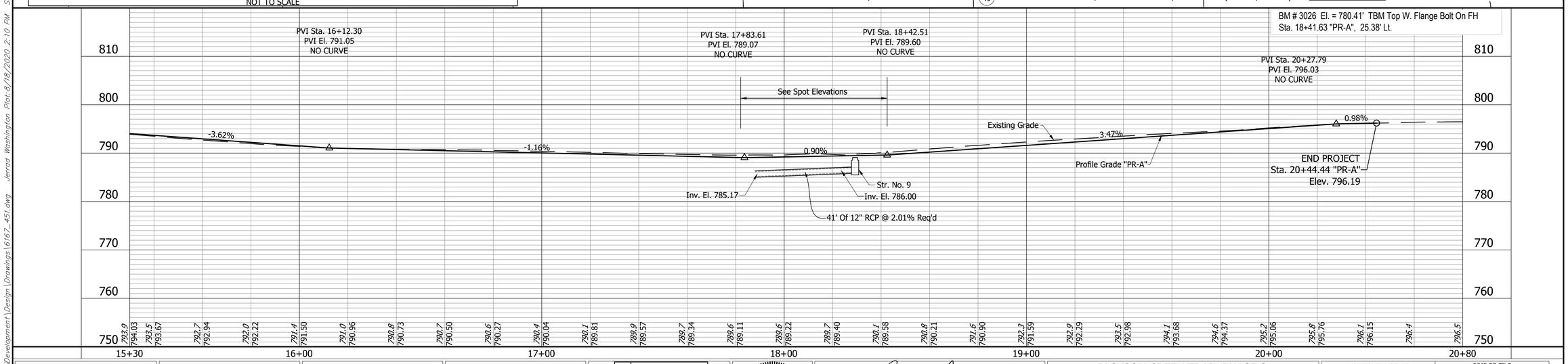
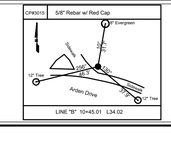


RAISED CROSSWALK DETAIL
NOT TO SCALE

LEGEND

- (K) HMA FOR SIDEWALKS CONSISTING OF: 140#/SYS HMA SURFACE TYPE B, on 220#/SYS HMA INTERMEDIATE TYPE B, on 6" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT TYPE III
- (F) SIDEWALK, CONCRETE, 4"
- (F1) PCCP, 5 IN. FOR SIDEWALK on 4" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT, TYPE III
- (C) PCCP, 6 IN. FOR APPROACHES on 6 IN. DENSE GRADED SUBBASE on SUBGRADE TREATMENT, TYPE II
- (K2) HMA FOR APPROACHES TYPE B 165 #/syd HMA SURFACE TYPE B on 275 #/syd HMA INTERMEDIATE TYPE B on 440 #/syd HMA BASE TYPE B on SUBGRADE TREATMENT TYPE II
- (C1) PCCP, 9 IN. FOR APPROACHES on COMPACTED AGGREGATE FOR BASE #53 (6" - 10")
- (CR) CURB RAMP
- (16) ROLLED CURB AND GUTTER, COMBINED
- (43) TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
- (44) TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK (24" BAR/24" GAP)
- (48) PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, CHEVRON
- (49) TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK (24" BAR/24" GAP)





DOUGLAS A. VALPOT
REGISTERED
No. PE19800142
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER — DATE 8/14/20

DESIGNED: DAV DRAWN: JDW
CHECKED: AH CHECKED: DAV

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PLAN & PROFILE LINE "PR-A"
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET 15 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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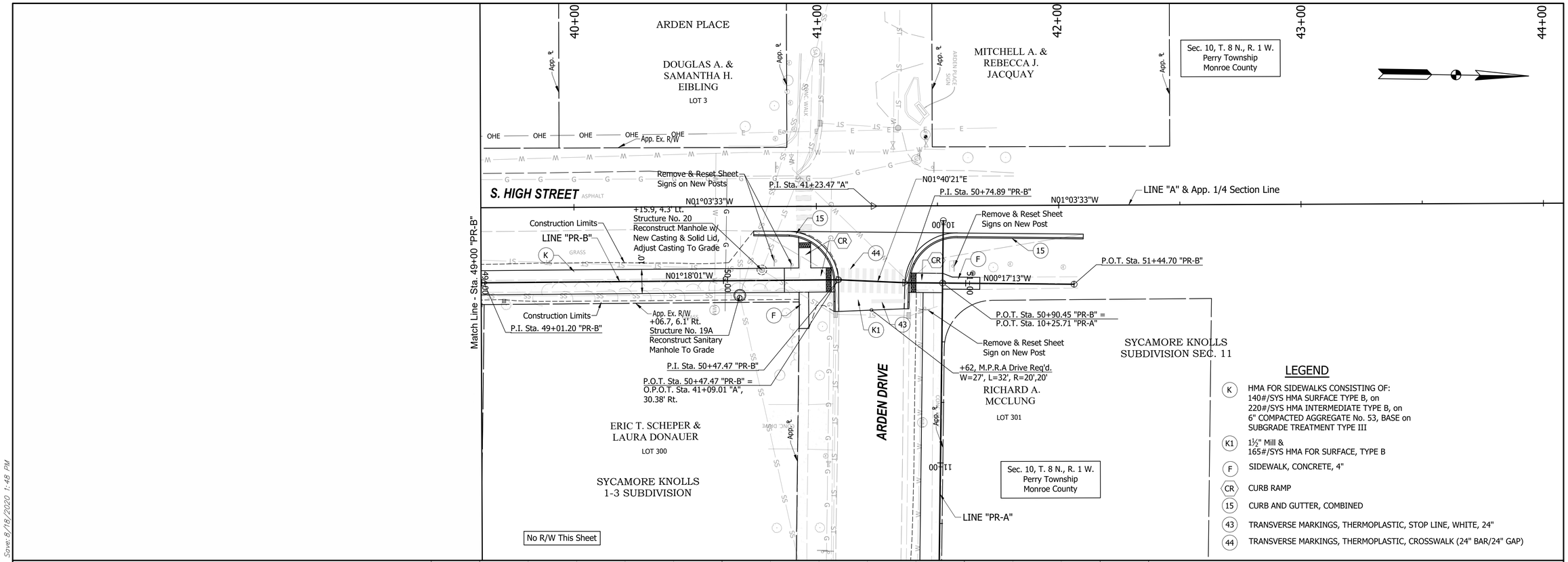

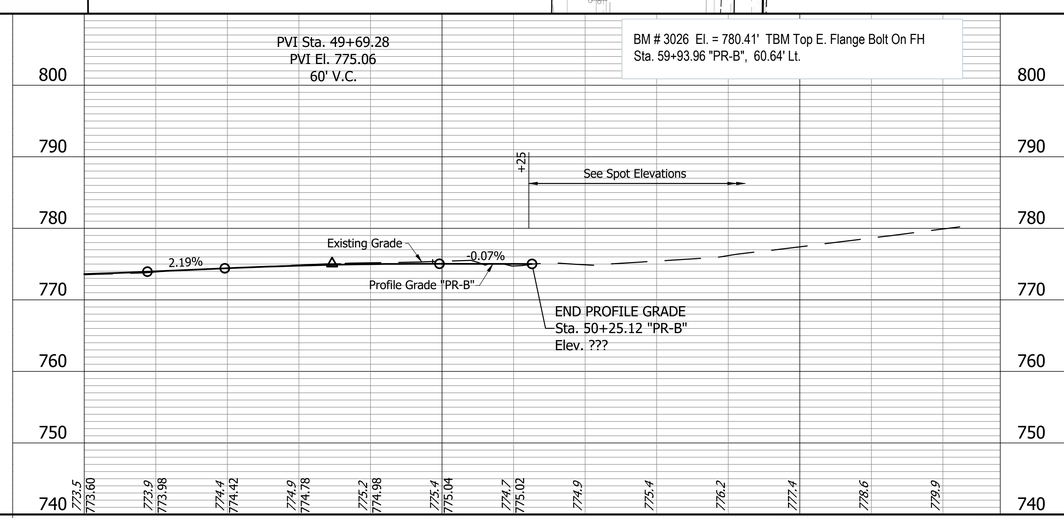

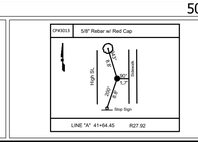

DOUGLAS A. VAUGHN
REGISTERED
No. PE19800142
STATE OF INDIANA
PROFESSIONAL ENGINEER

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DESIGNED: DAV DRAWN: JDW
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Butler Fairman Seufert
CIVIL ENGINEERING

JACKSON CREEK TRAIL PHASE 2
PLAN & PROFILE LINE "PR-B"
BLOOMINGTON INDIANA

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	16 OF 110
CONTRACT	PROJECT
R-38353	1500398

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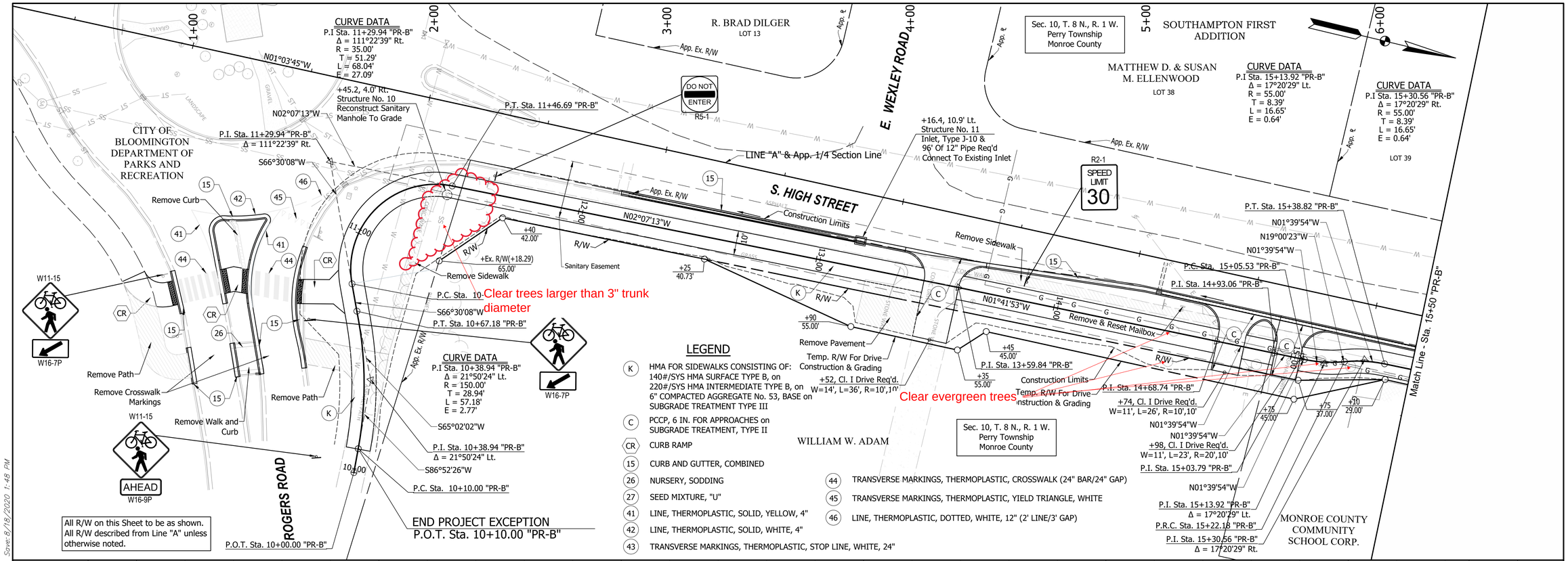
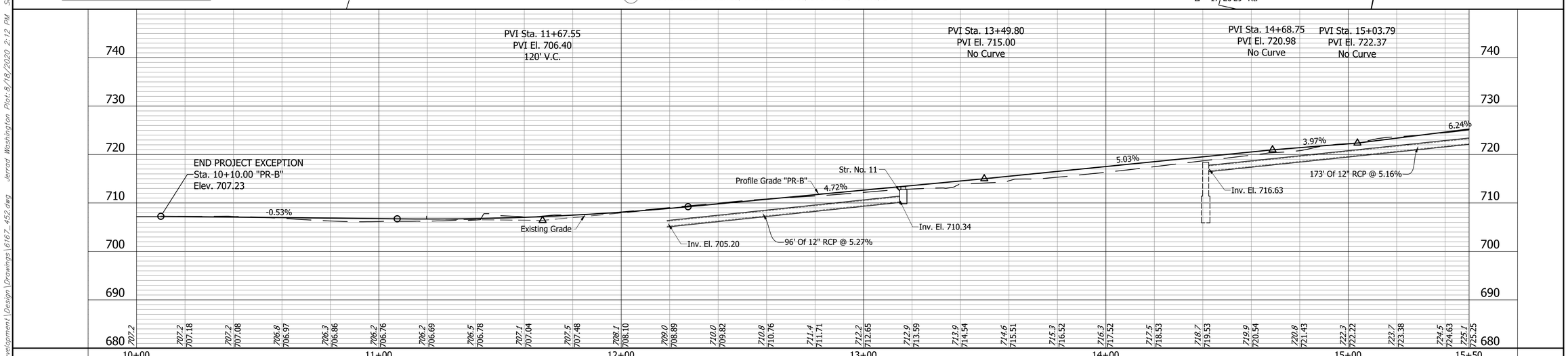


LEGEND

- (K) HMA FOR SIDEWALKS CONSISTING OF: 140#/SYS HMA SURFACE TYPE B, on 220#/SYS HMA INTERMEDIATE TYPE B, on 6" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT TYPE III
- (C) PCCP, 6 IN. FOR APPROACHES on SUBGRADE TREATMENT, TYPE II
- (CR) CURB RAMP
- (15) CURB AND GUTTER, COMBINED
- (26) NURSERY, SODDING
- (27) SEED MIXTURE, "U"
- (41) LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
- (42) LINE, THERMOPLASTIC, SOLID, WHITE, 4"
- (43) TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
- (44) TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK (24" BAR/24" GAP)
- (45) TRANSVERSE MARKINGS, THERMOPLASTIC, YIELD TRIANGLE, WHITE
- (46) LINE, THERMOPLASTIC, DOTTED, WHITE, 12" (2' LINE/3' GAP)



RECOMMENDED FOR APPROVAL: DESIGN ENGINEER — DATE 8/14/20

DESIGNED: DAV DRAWN: JDW
CHECKED: AH CHECKED: DAV

DOUGLAS A. VALPOE REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

JACKSON CREEK TRAIL PHASE 2
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET 16 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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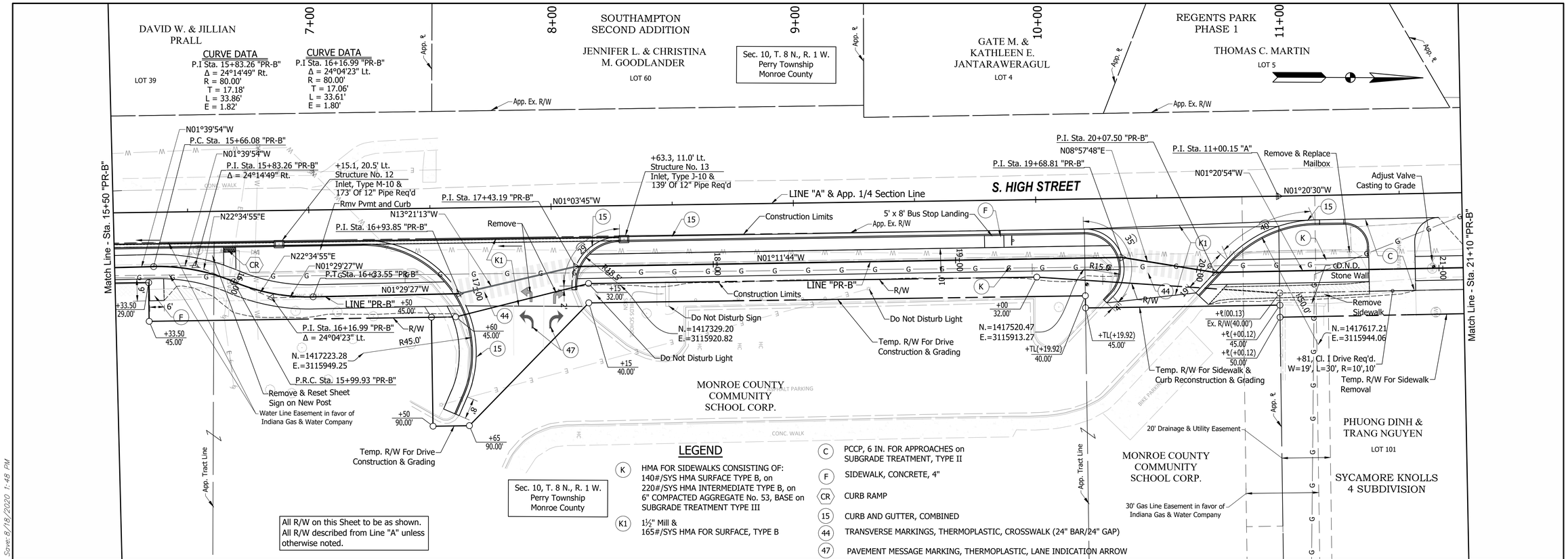

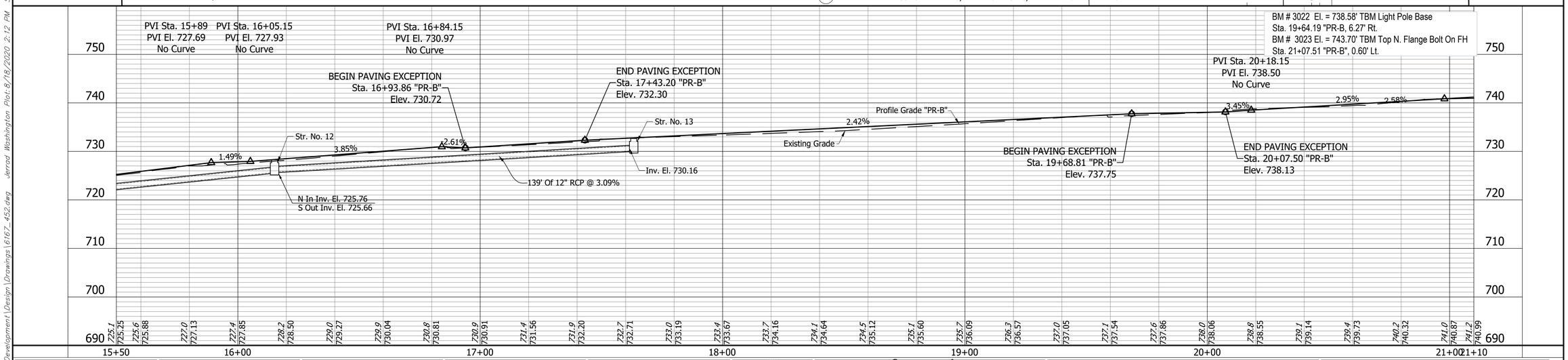

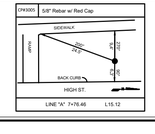

COUGLAS A. VALPOE
REGISTERED
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STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER — DATE 8/14/20

DESIGNED: DAV DRAWN: JDW
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	18 OF 110
CONTRACT	PROJECT
R-38353	1500398

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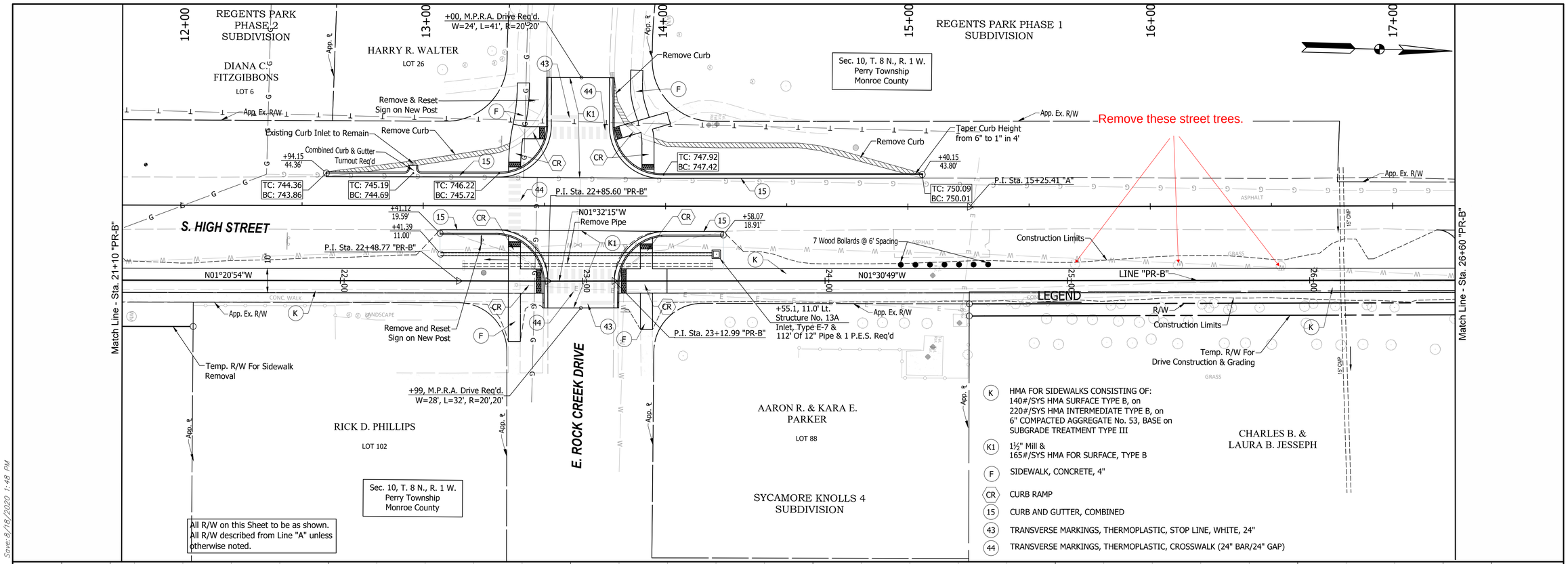

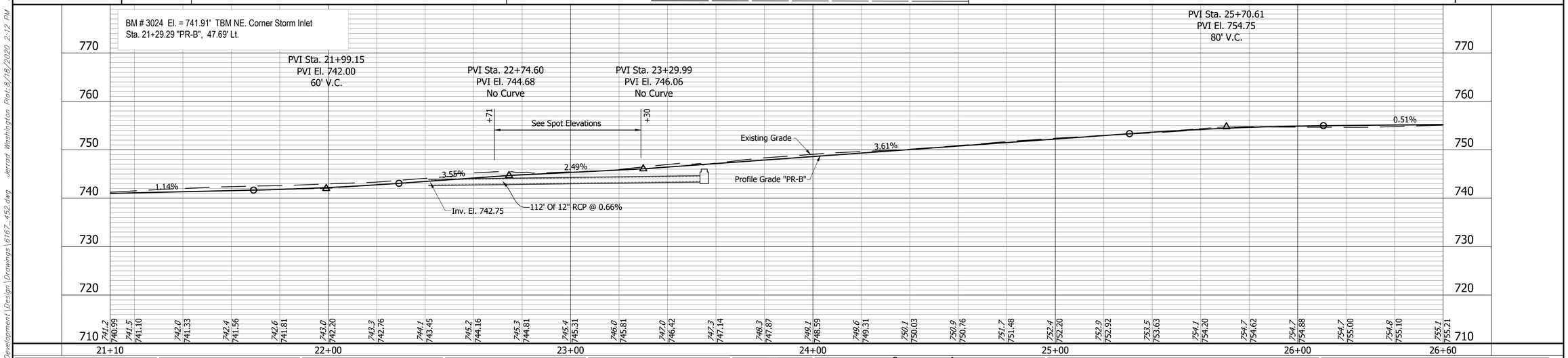

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER 8/14/20 DATE

DESIGNED: DAV DRAWN: JDW

CHECKED: AH CHECKED: DAV

DOUGLAS A. VALPOE REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET 19 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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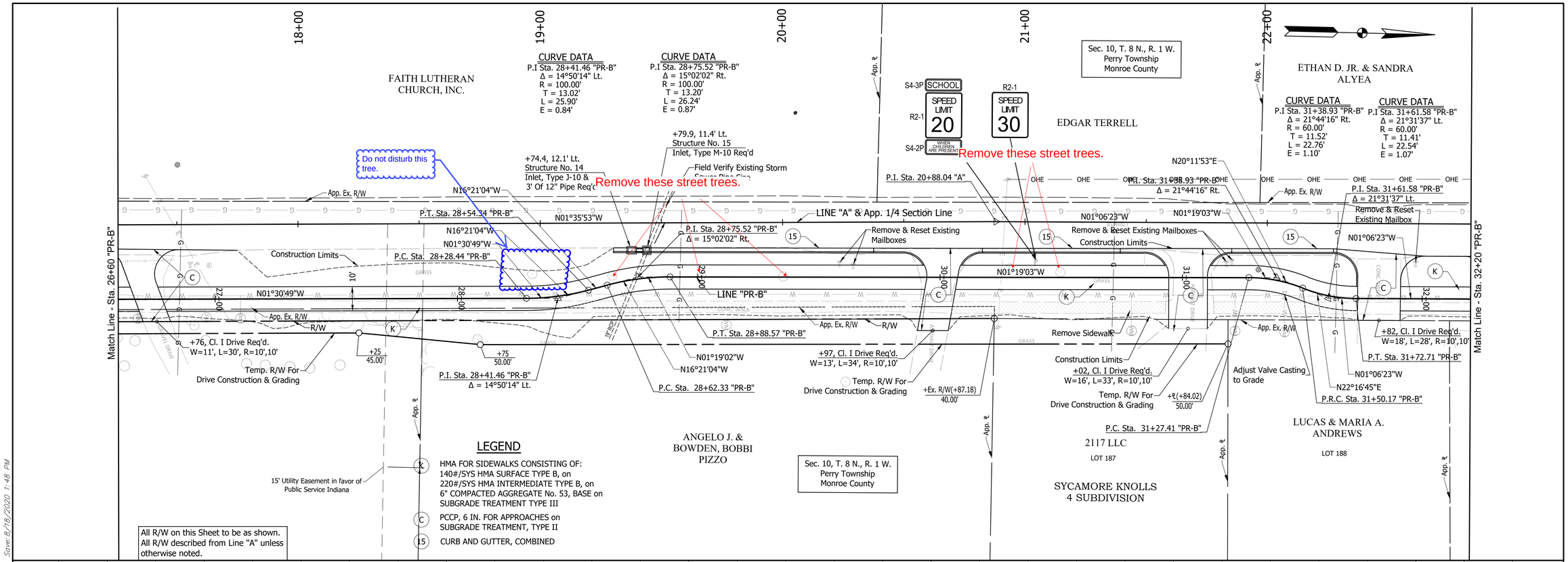

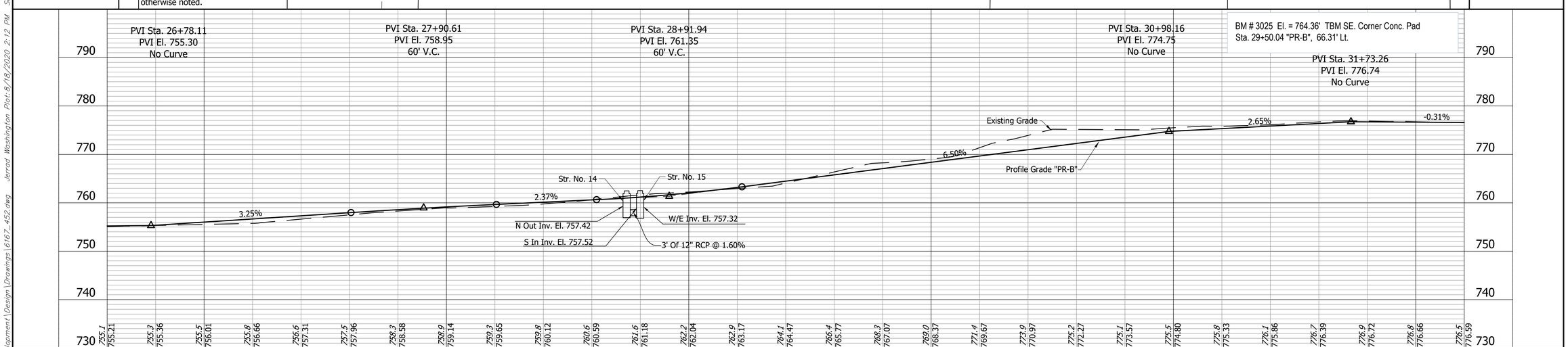

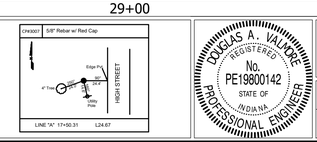

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER — 8/14/20 DATE

DESIGNED: DAV DRAWN: JDW

CHECKED: AH CHECKED: DAV

JACKSON CREEK TRAIL PHASE 2
PLAN & PROFILE LINE "PR-B"

BLOOMINGTON INDIANA

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MERRILLVILLE 219-769-2333
PLAINFIELD 317-839-3242

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	20 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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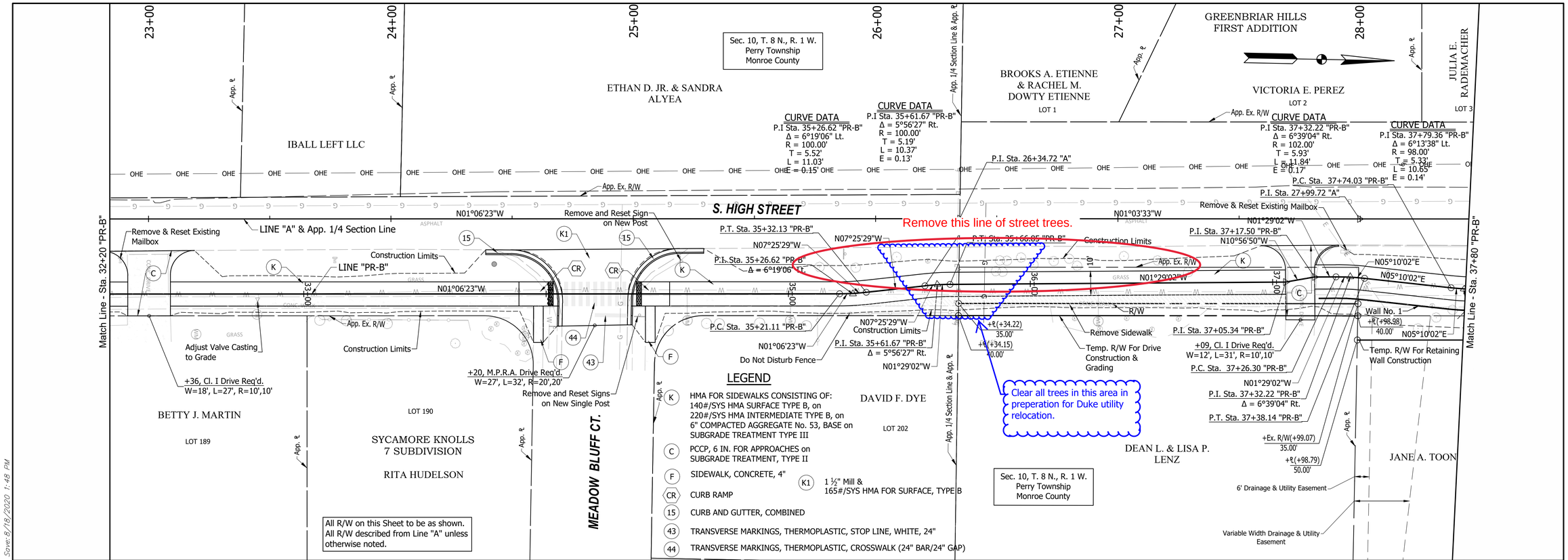

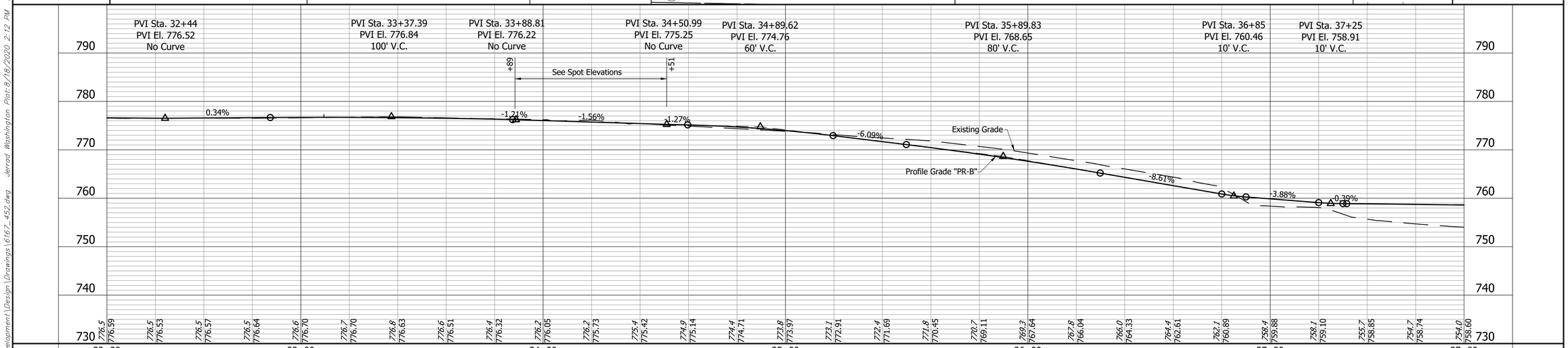

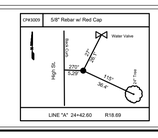

DOUGLAS A. VALMORE REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	21 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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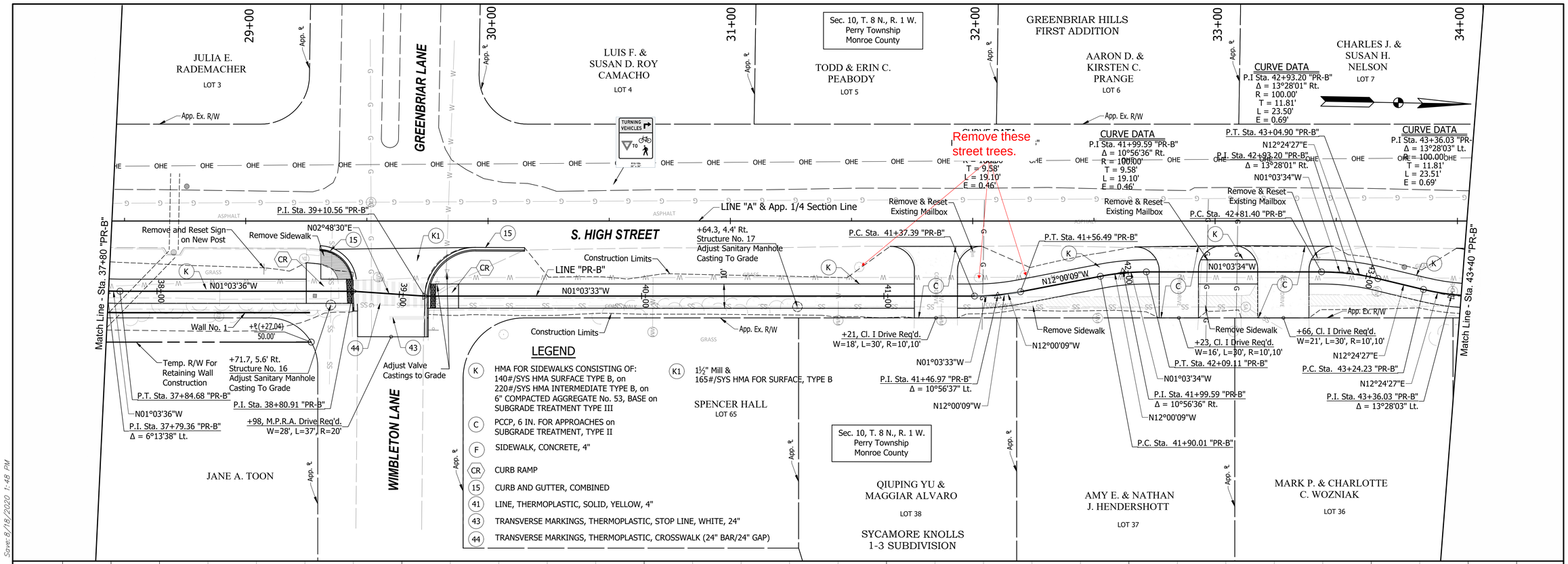
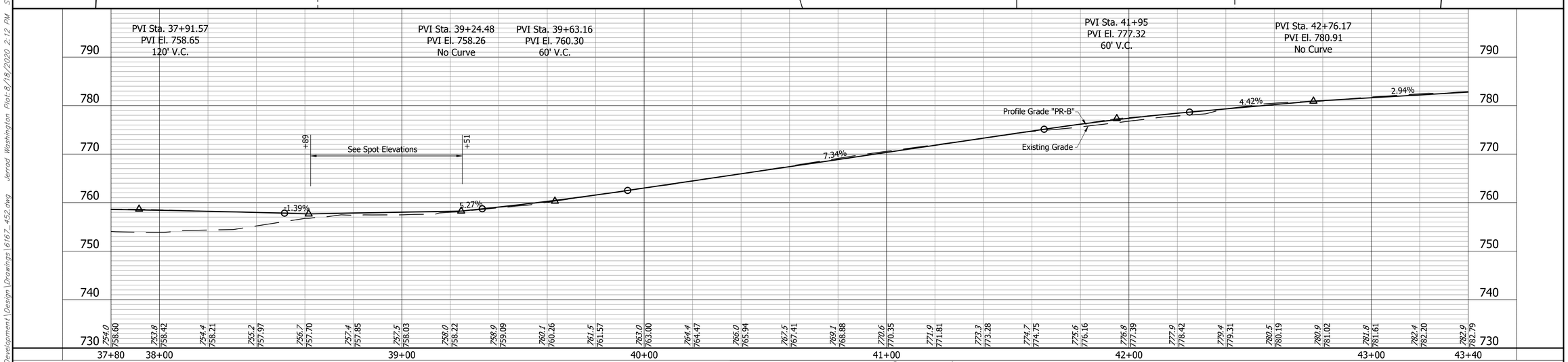
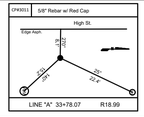
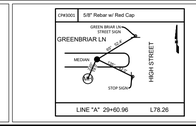


LEGEND

K	HMA FOR SIDEWALKS CONSISTING OF: 140#/SYS HMA SURFACE TYPE B, on 220#/SYS HMA INTERMEDIATE TYPE B, on 6" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT TYPE III
C	PCCP, 6 IN. FOR APPROACHES on SUBGRADE TREATMENT, TYPE II
F	SIDEWALK, CONCRETE, 4"
CR	CURB RAMP
15	CURB AND GUTTER, COMBINED
41	LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
43	TRANSVERSE MARKINGS, THERMOPLASTIC, STOP LINE, WHITE, 24"
44	TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK (24" BAR/24" GAP)
K1	1½" Mill & 165#/SYS HMA FOR SURFACE, TYPE B







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STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER — DATE 8/14/20

DESIGNED: DAV DRAWN: JDW
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	22 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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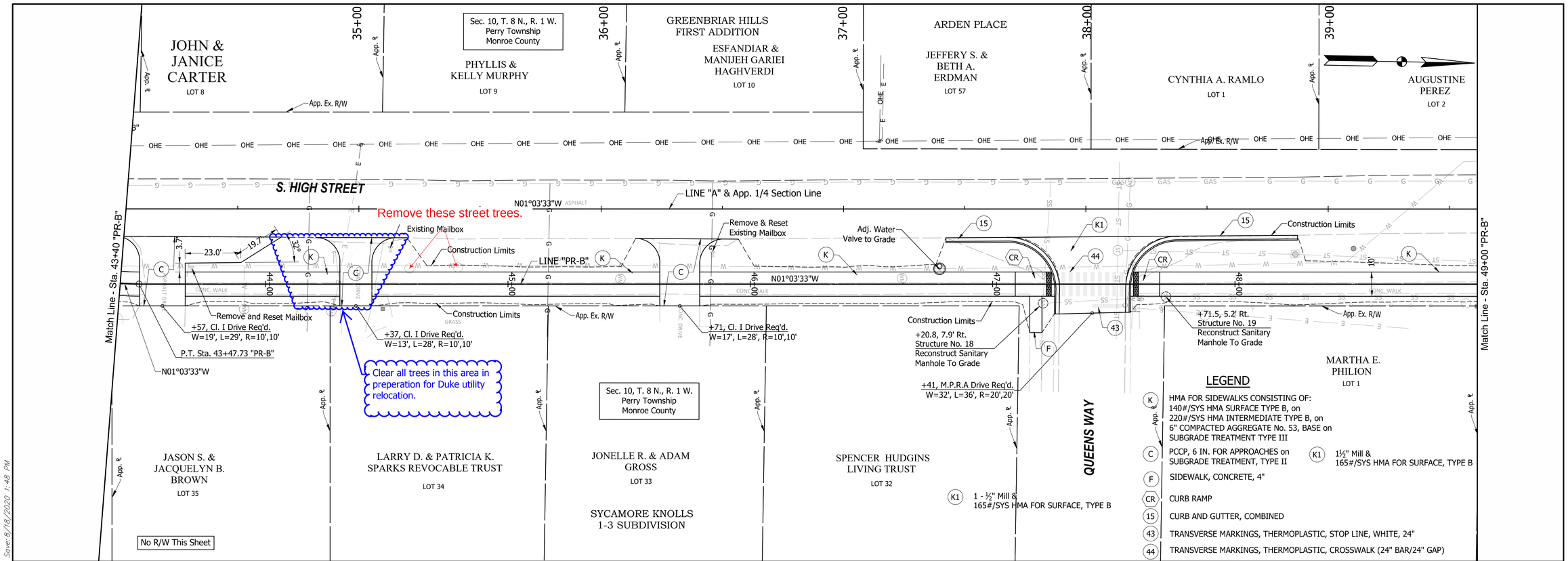

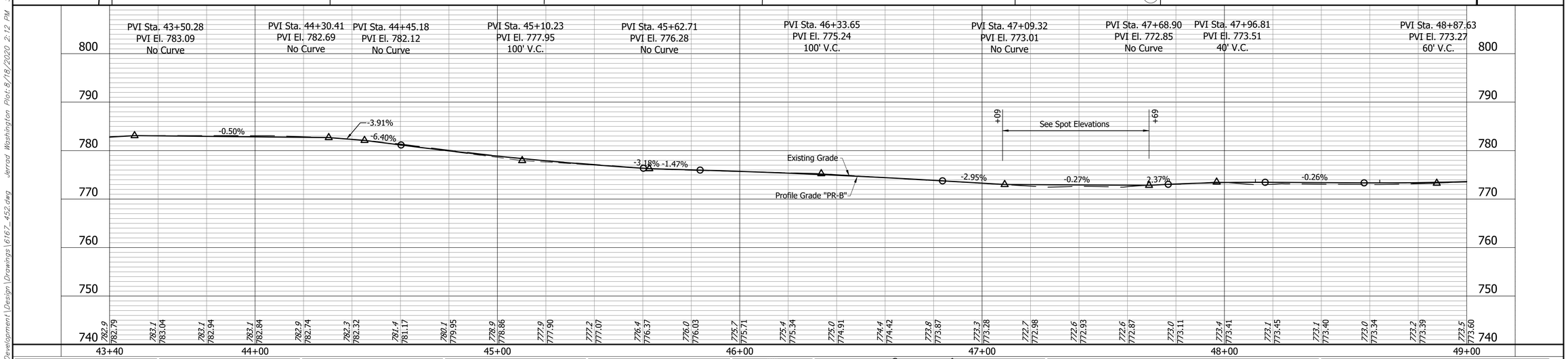

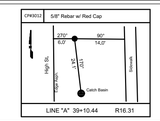

DOUGLAS A. VALDEZ
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	23 OF 110
CONTRACT	PROJECT
R-38353	1500398

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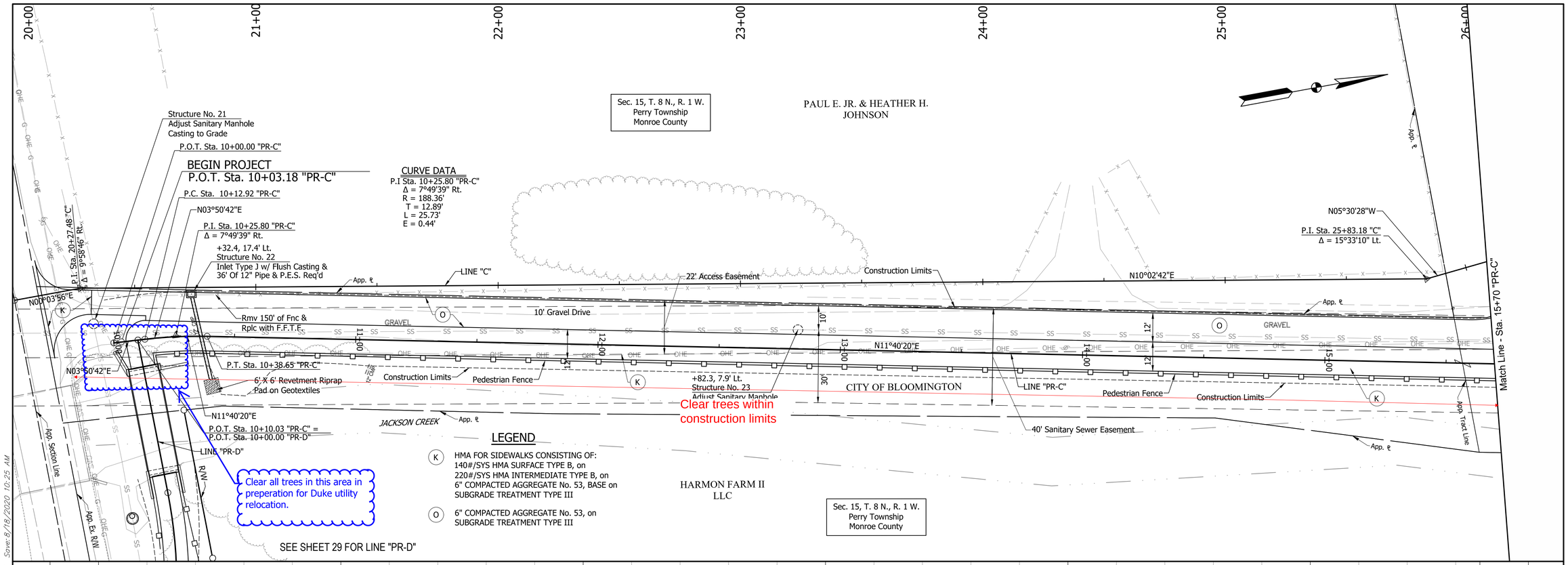

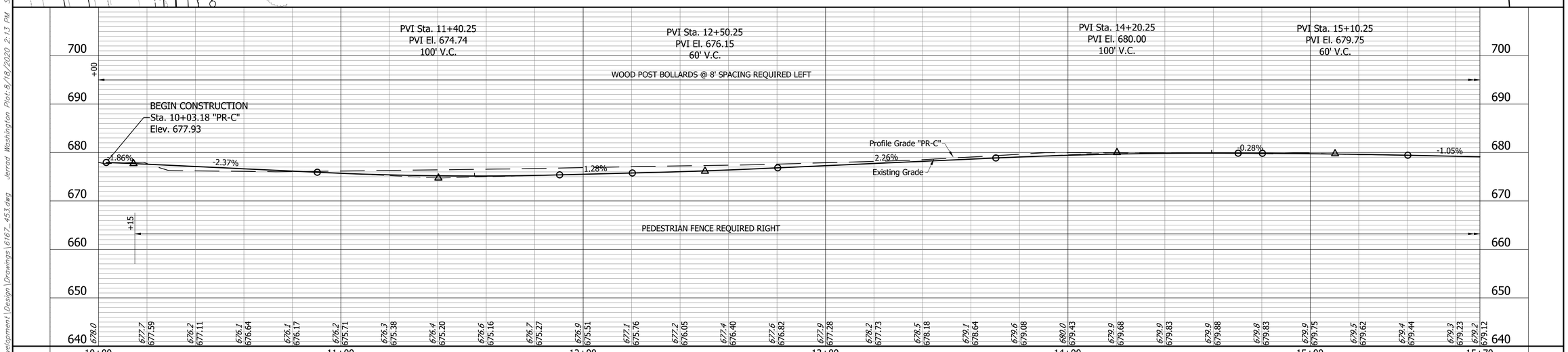

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DOUGLAS A. VALPOE REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

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CHECKED: AH CHECKED: DAV

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BLOOMINGTON INDIANA

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1500398
SURVEY BOOK	SHEET 24 OF 110
CONTRACT R-38353	PROJECT 1500398

BFS NO. 616700.00

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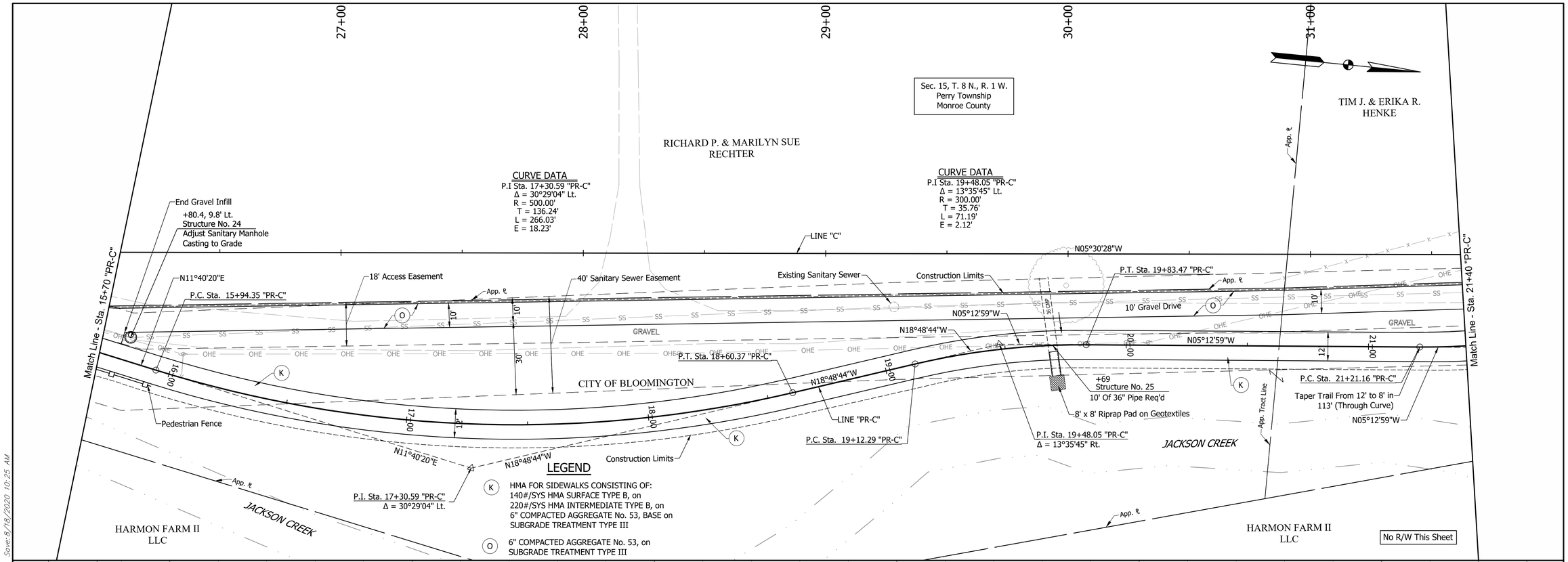
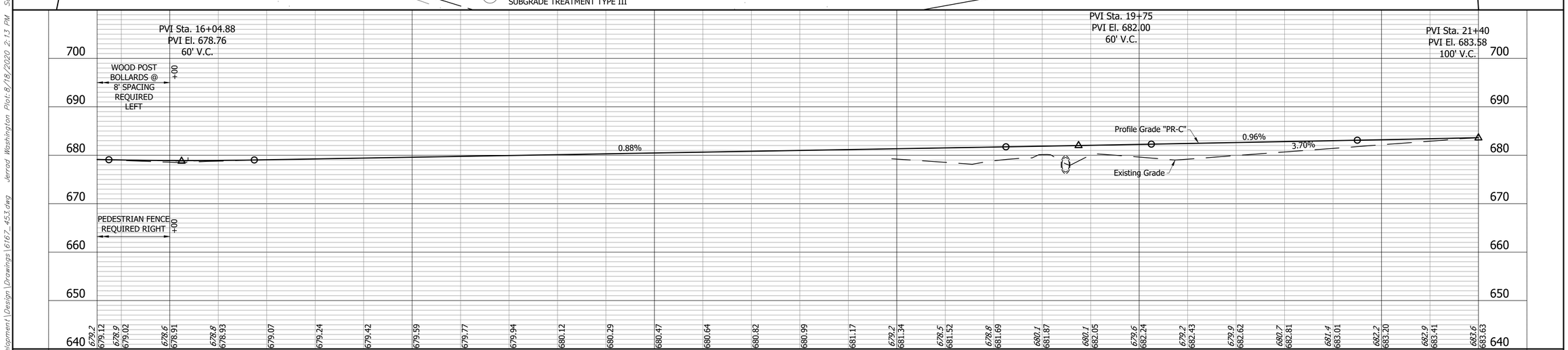


LEGEND

(K) HMA FOR SIDEWALKS CONSISTING OF: 140#/SYS HMA SURFACE TYPE B, on 220#/SYS HMA INTERMEDIATE TYPE B, on 6" COMPACTED AGGREGATE No. 53, BASE on SUBGRADE TREATMENT TYPE III

(O) 6" COMPACTED AGGREGATE No. 53, on SUBGRADE TREATMENT TYPE III



DOUGLAS A. VAUGHN REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: 8/14/20
DESIGN ENGINEER DATE

DESIGNED: DAV DRAWN: JDW
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	25 OF 110
CONTRACT	PROJECT
R-38353	1500398

BFS NO. 616700.00

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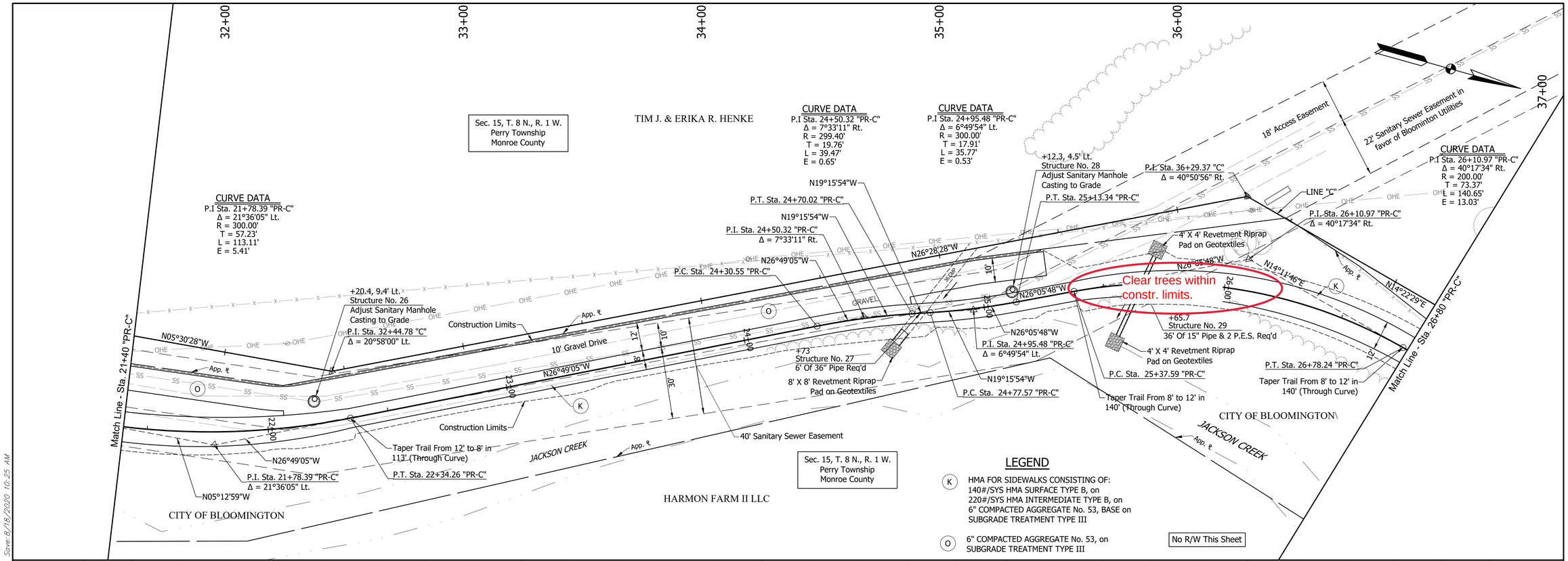

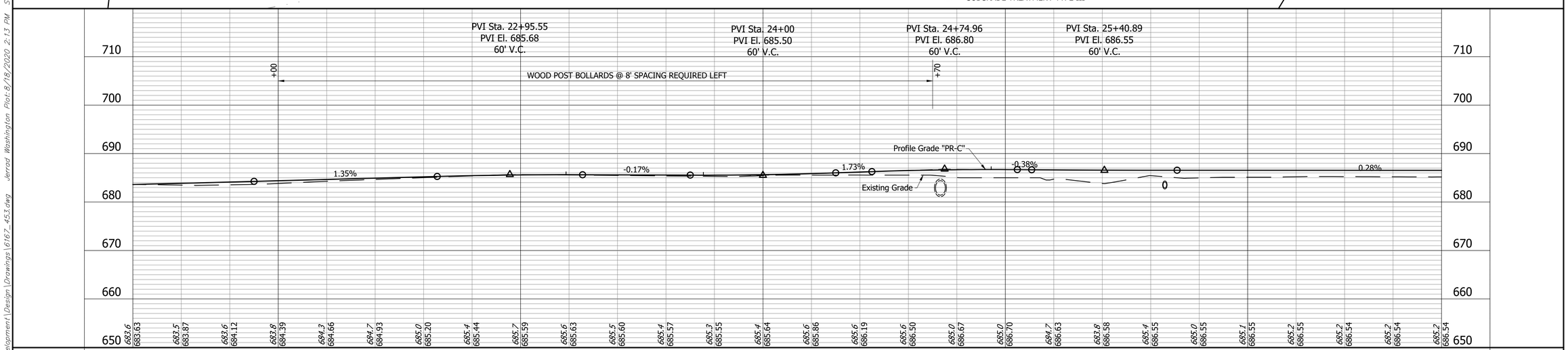

DOUGLAS A. VALMORE
REGISTERED
No. PE19800142
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: 8/14/20
DESIGN ENGINEER DATE

DESIGNED: DAV DRAWN: JDW
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HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET 26 OF 110
CONTRACT R-38353	PROJECT 1500398

BFS NO. 616700.00

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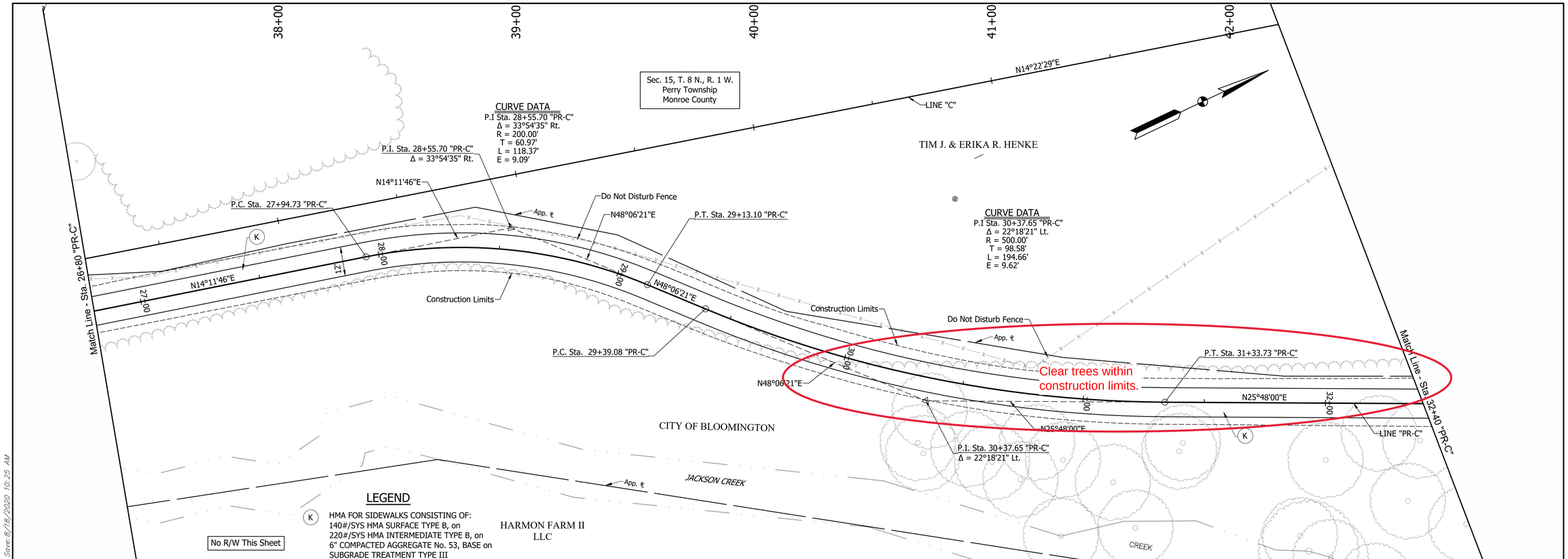

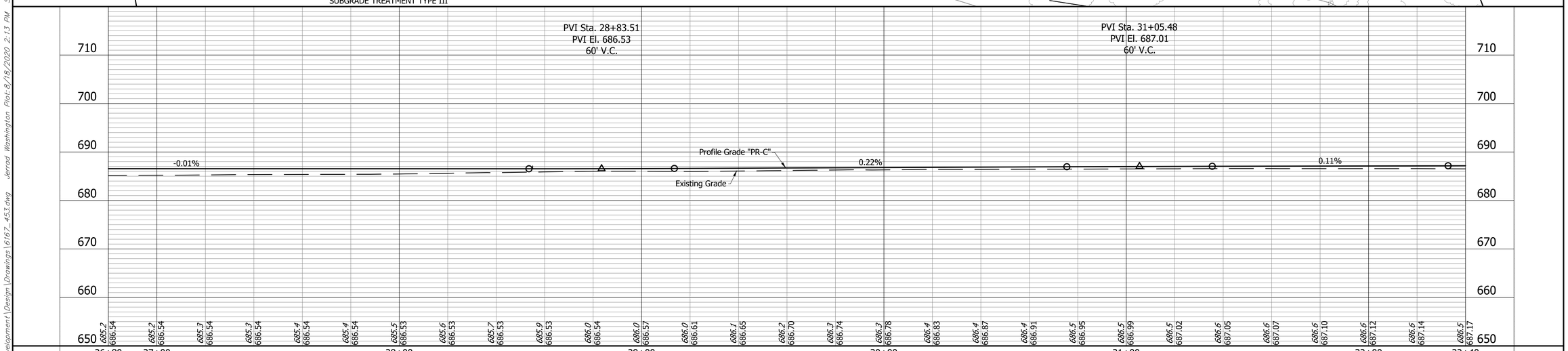

DOUGLAS A. VALPOT
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HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1500398
SURVEY BOOK	SHEET 27 OF 110
CONTRACT R-38353	PROJECT 1500398

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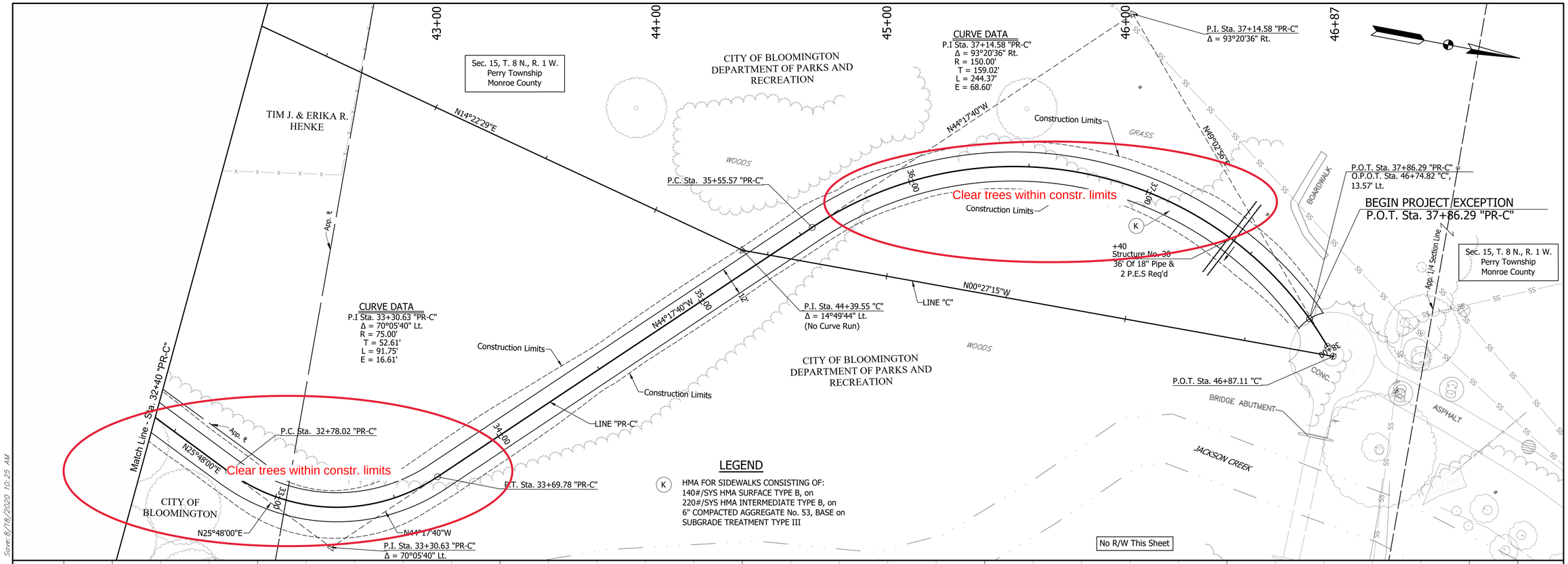

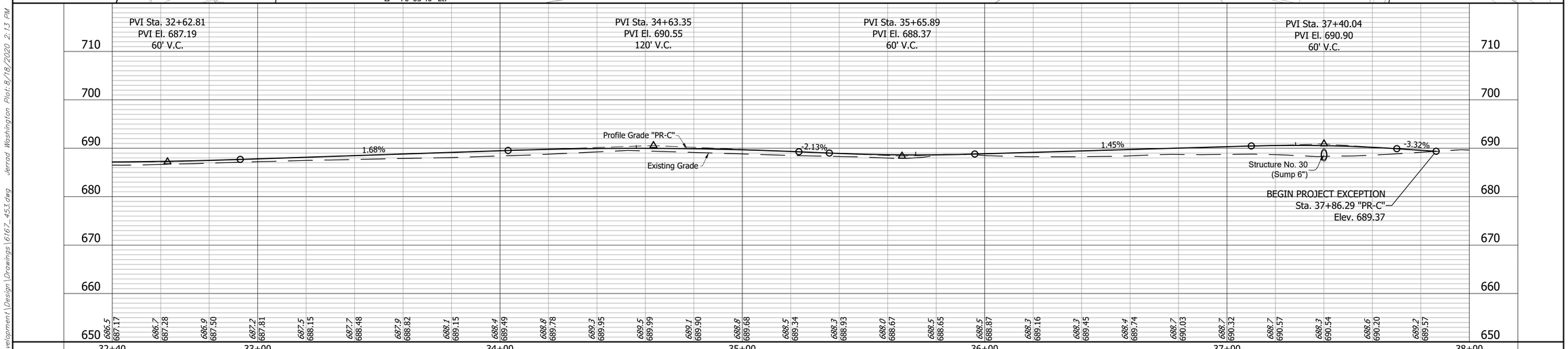

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CIVIL ENGINEERING

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	28 OF 110
CONTRACT	PROJECT
R-38353	1500398

616700.00
BFS NO.

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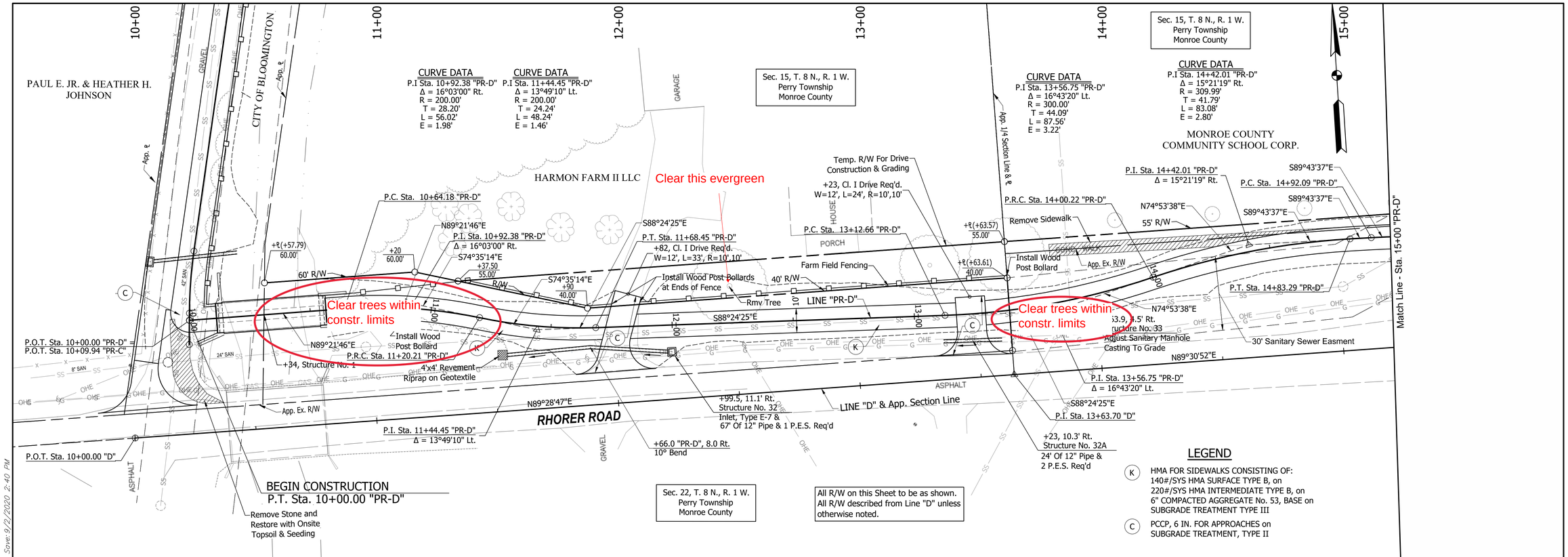

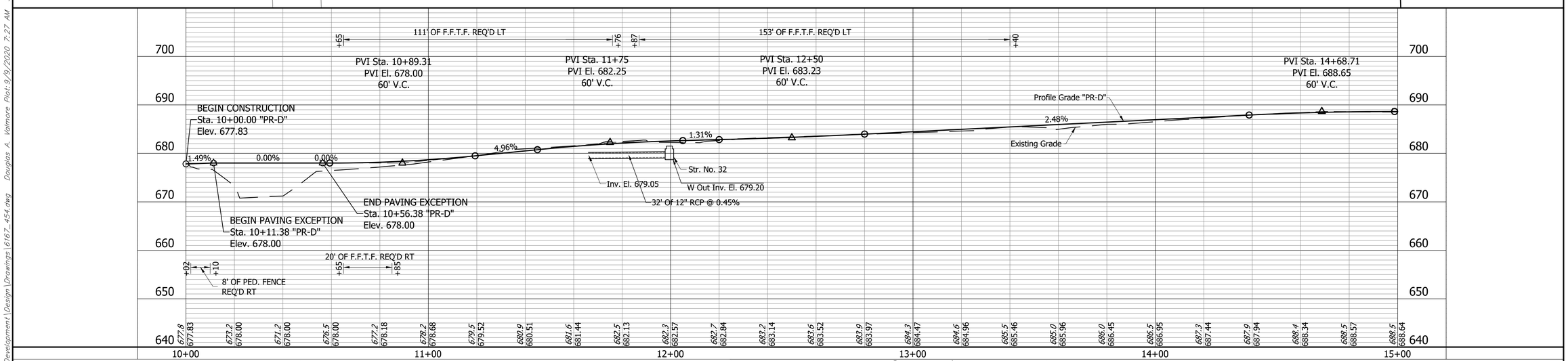

DOUGLAS A. VALMORE
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RECOMMENDED FOR APPROVAL: Doug Valmore 8/14/20
DESIGN ENGINEER DATE

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1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET
	29 OF 110
CONTRACT	PROJECT
R-38353	1500398

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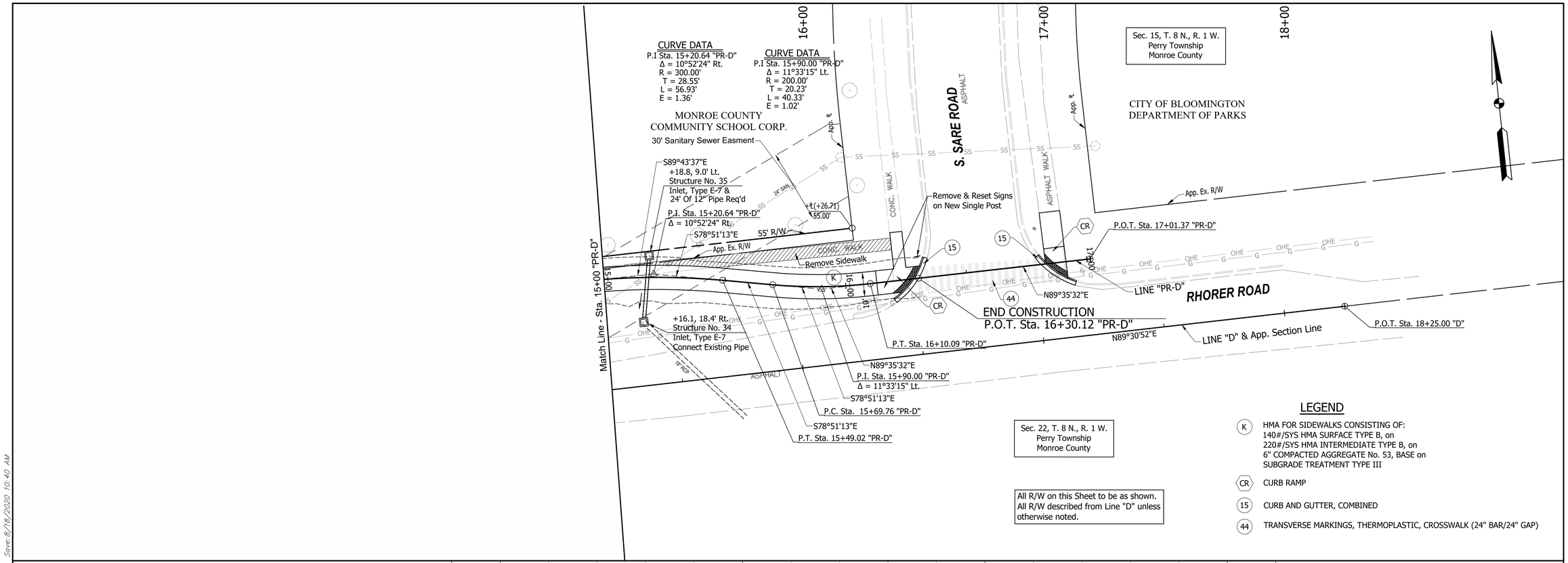

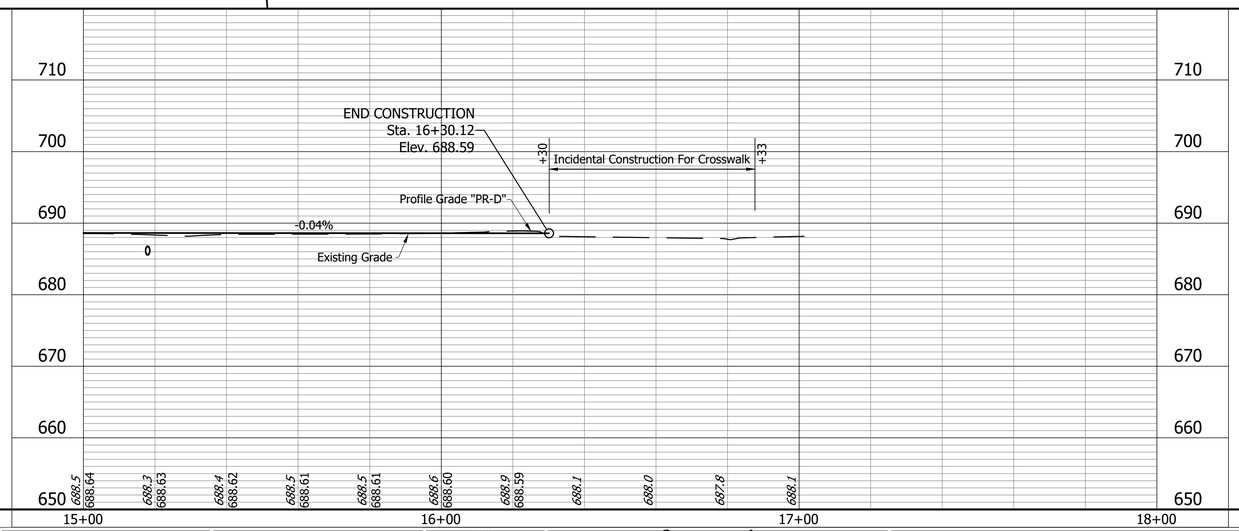

H:\616700.0000\ProDevelopment\Design\Drawings\6167_454.dwg Jerrod Washington Plot:8/18/2020 2:14 PM Save:8/18/2020 10:40 AM

DOUGLAS A. VAUGHN REGISTERED No. PE19800142 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER 8/14/20 DATE

DESIGNED: DAV DRAWN: JDW

CHECKED: AH CHECKED: DAV

JACKSON CREEK TRAIL PHASE 2
PLAN & PROFILE LINE "PR-D"
BLOOMINGTON INDIANA

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PLAINFIELD 317-839-3242

Butler Fairman & Seufert ENGINEERS

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=10'	1500398
SURVEY BOOK	SHEET 30 OF 110
CONTRACT R-38353	PROJECT 1500398

BFS NO. 616700.00