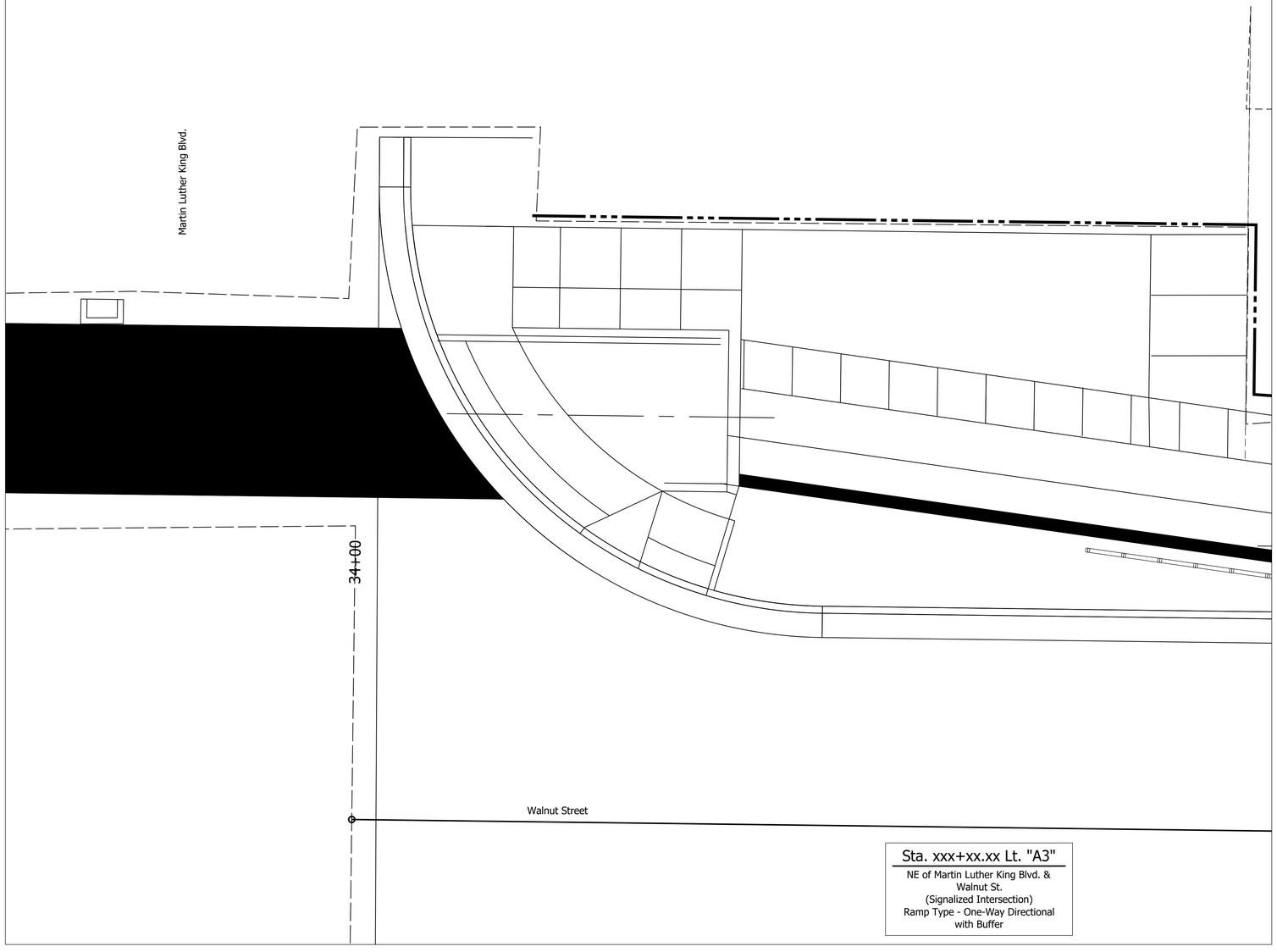


Sta. xxx+xx.xx Lt. "A3"

NE of Martin Luther King Blvd. &
Walnut St.
(Signalized Intersection)
Ramp Type - One-Way Directional
with Buffer

LEGEND

- CS Clear Space
- F Sidewalk, Concrete, 4"
- P Patching
- 15 Curb & Gutter, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:46pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

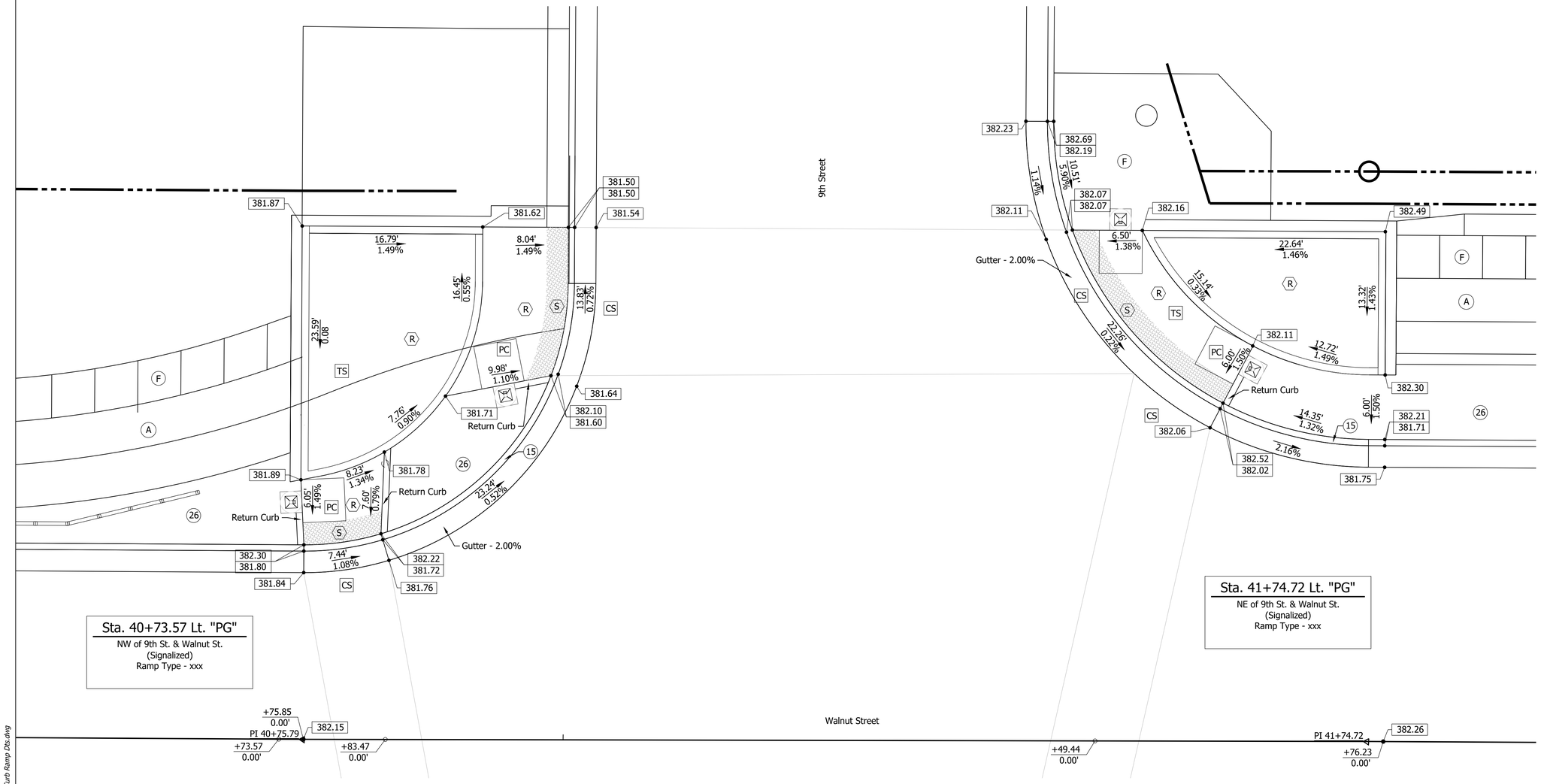
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
MARTIN LUTHER KING BOULEVARD

HORIZONTAL SCALE	BRIDGE FILE
"= '	N/A
VERTICAL SCALE	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	106 of --
CONTRACT	PROJECT
R-41599	1801726



Sta. 40+73.57 Lt. "PG"

NW of 9th St. & Walnut St.
(Signalized)
Ramp Type - xxx

Sta. 41+74.72 Lt. "PG"

NE of 9th St. & Walnut St.
(Signalized)
Ramp Type - xxx

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:46pm User Name: dwayne
File: S:_2017\1712649\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

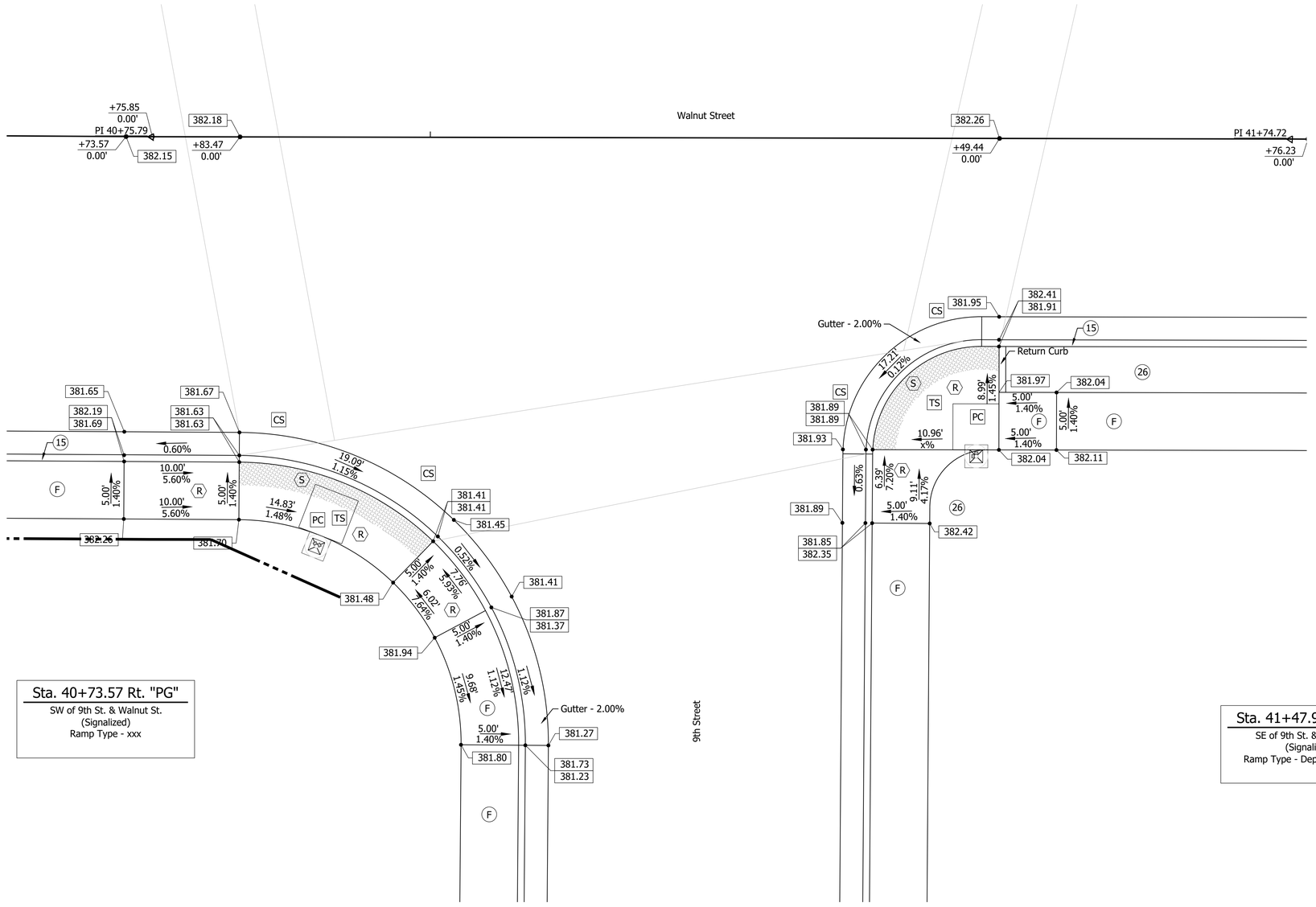
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
9TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
---	1801726
SURVEY BOOK	SHEETS
	107+ of --
CONTRACT	PROJECT
R-41599	1801726



Sta. 40+73.57 Rt. "PG"

SW of 9th St. & Walnut St.
(Signalized)
Ramp Type - xxx

Sta. 41+47.93 Rt. "PG"

SE of 9th St. & Walnut St.
(Signalized)
Ramp Type - Depressed Corner

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:46pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

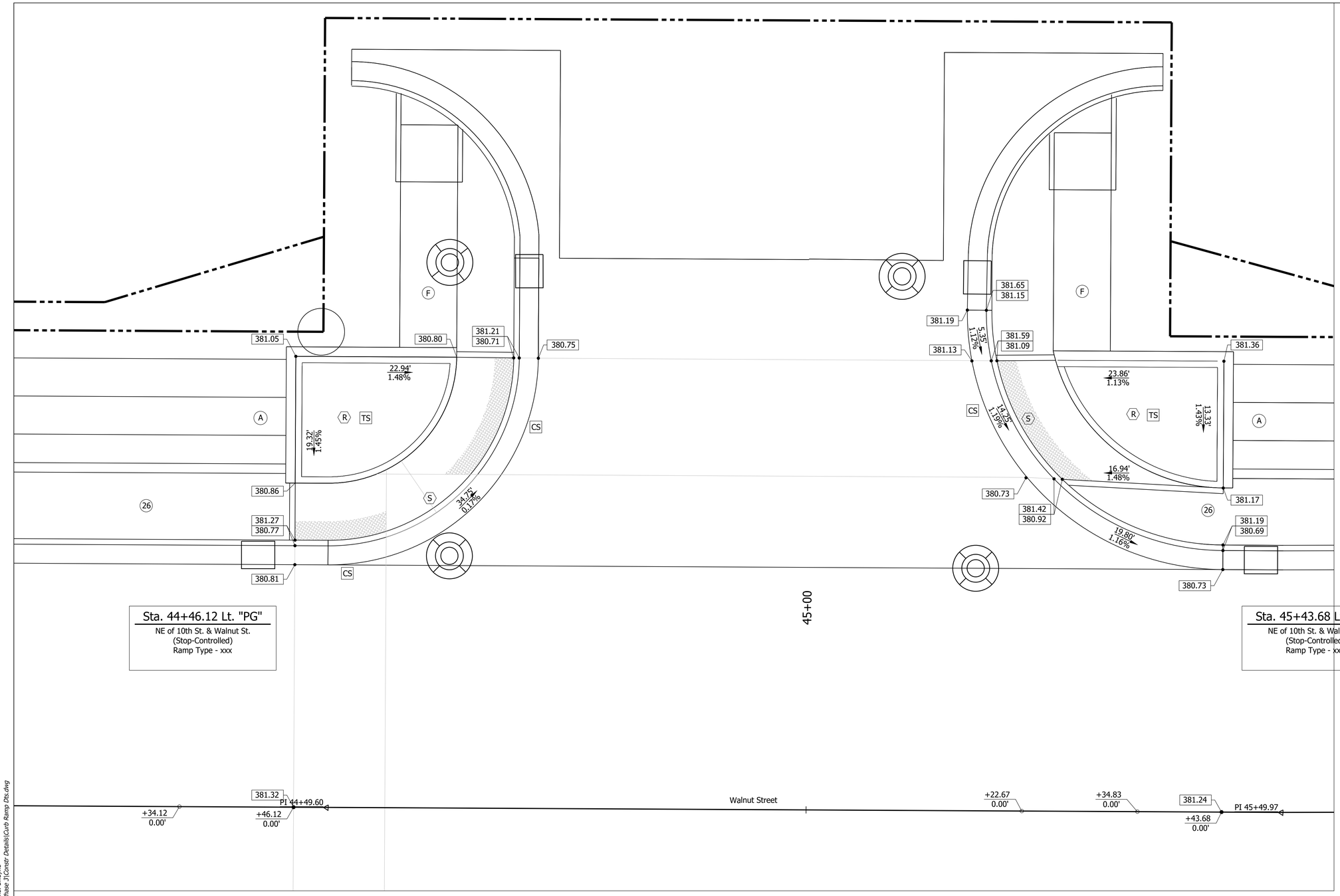
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
9TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
---	1801726
SURVEY BOOK	SHEETS
	108 of --
CONTRACT	PROJECT
R-41599	1801726



LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:46pm User Name: dwayne
File: S:\L2017\1712-009\Road\CAD_Phase 3\Constr Details\Curb Ramp Dts.dwg

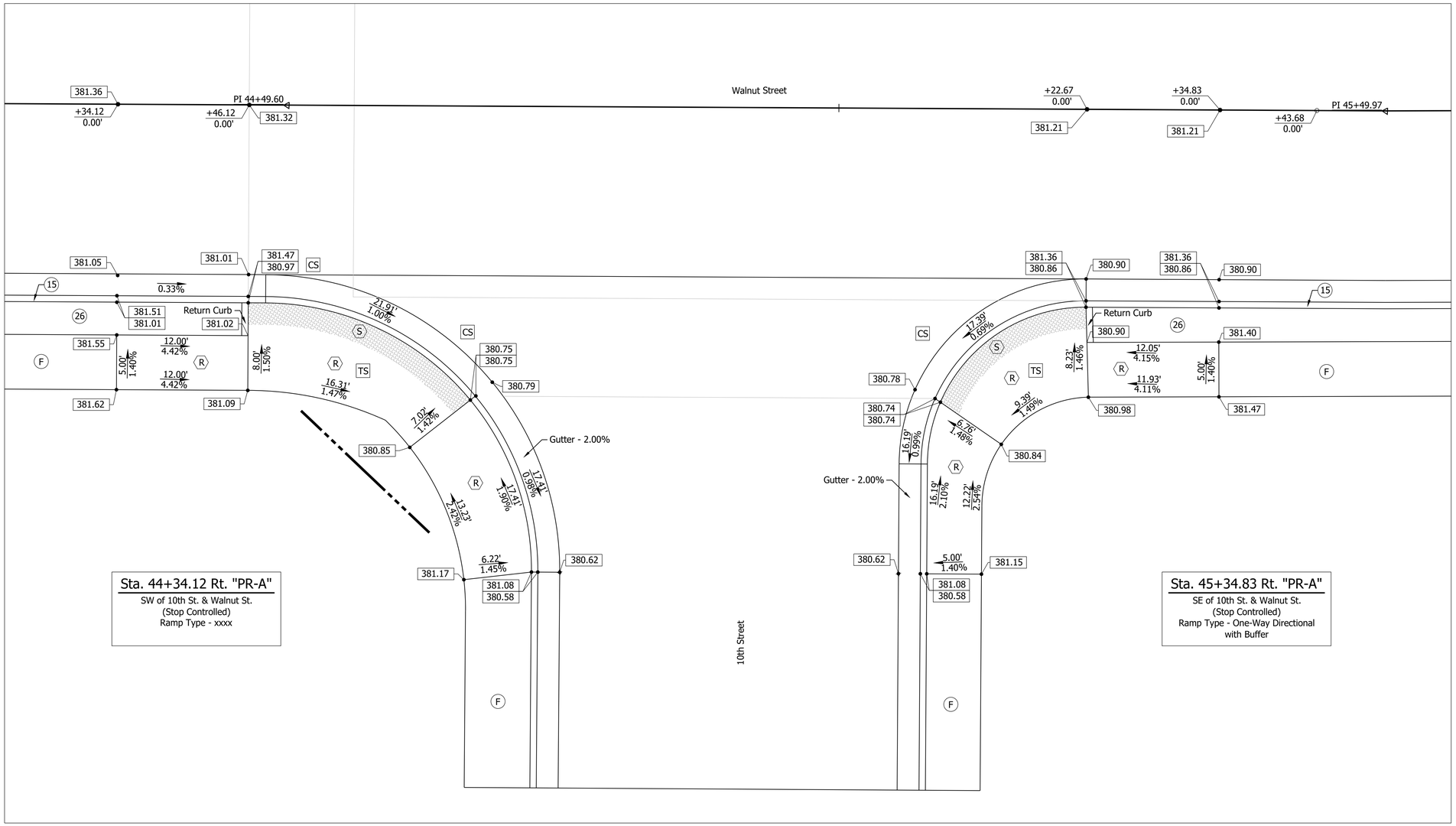
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
10TH STREET

HORIZONTAL SCALE	BRIDGE FILE
"= '	N/A
VERTICAL SCALE	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	109 of --
CONTRACT	PROJECT
R-41599	1801726

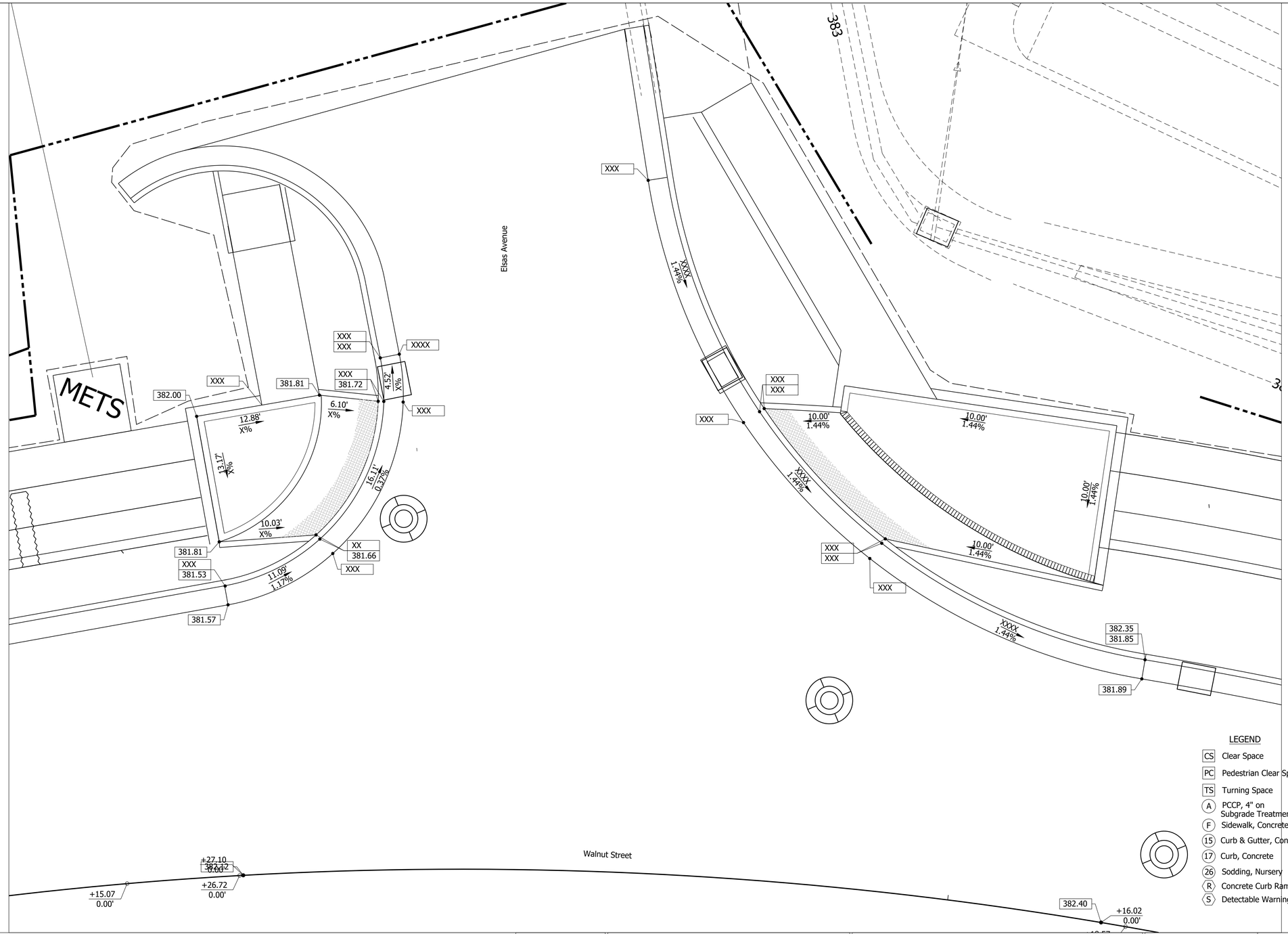


LEGEND

- CS Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_2017\17-904\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "= ' / BRIDGE FILE N/A
			VERTICAL SCALE "= ' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS 10TH STREET	SURVEY BOOK / SHEETS 110 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726

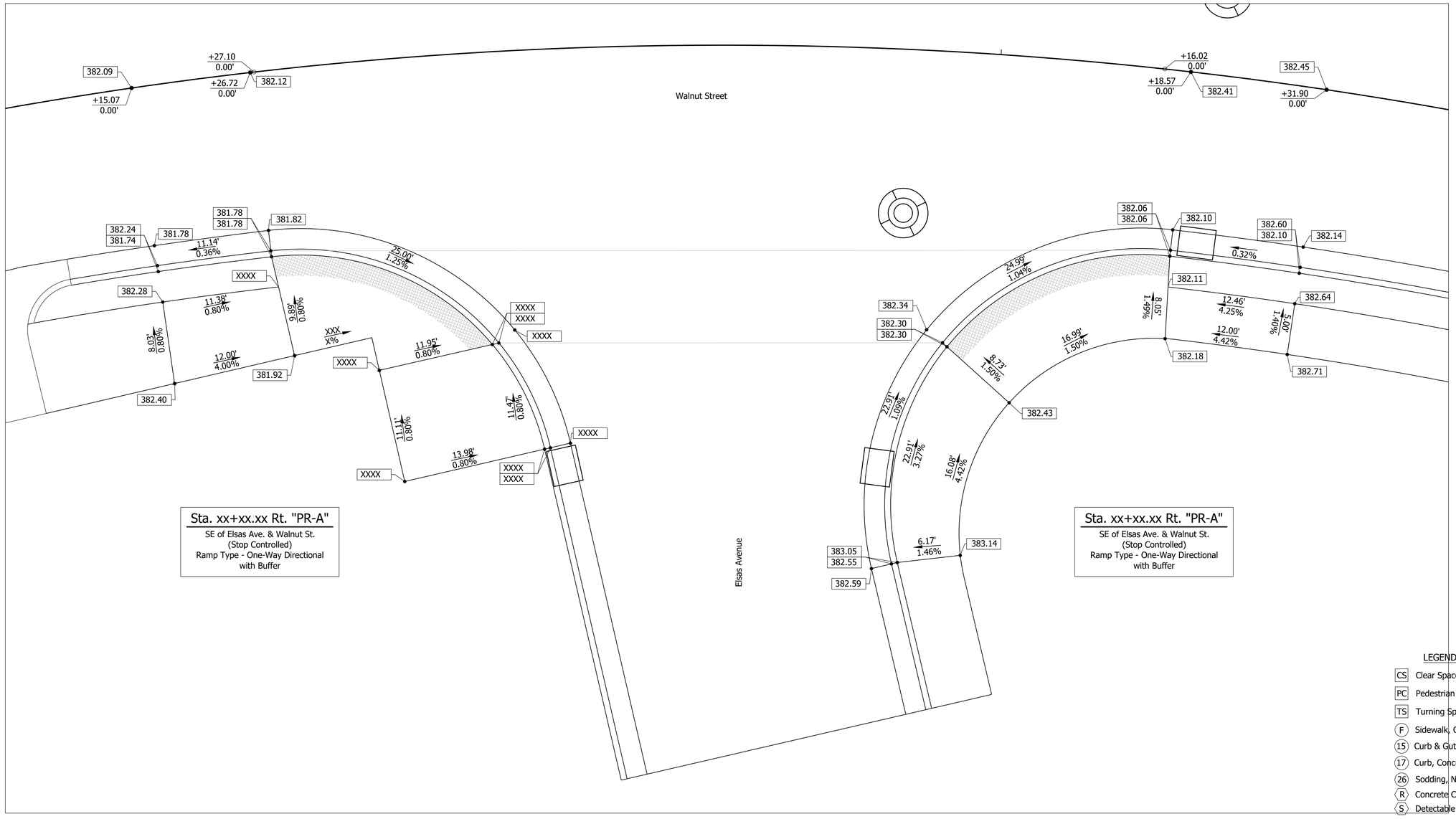


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_801711-0049\Road\CAD_Phase 3\Constr Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "= ' / BRIDGE FILE N/A
			VERTICAL SCALE "= ' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS ELSAS AVENUE	SURVEY BOOK / SHEETS 111 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726

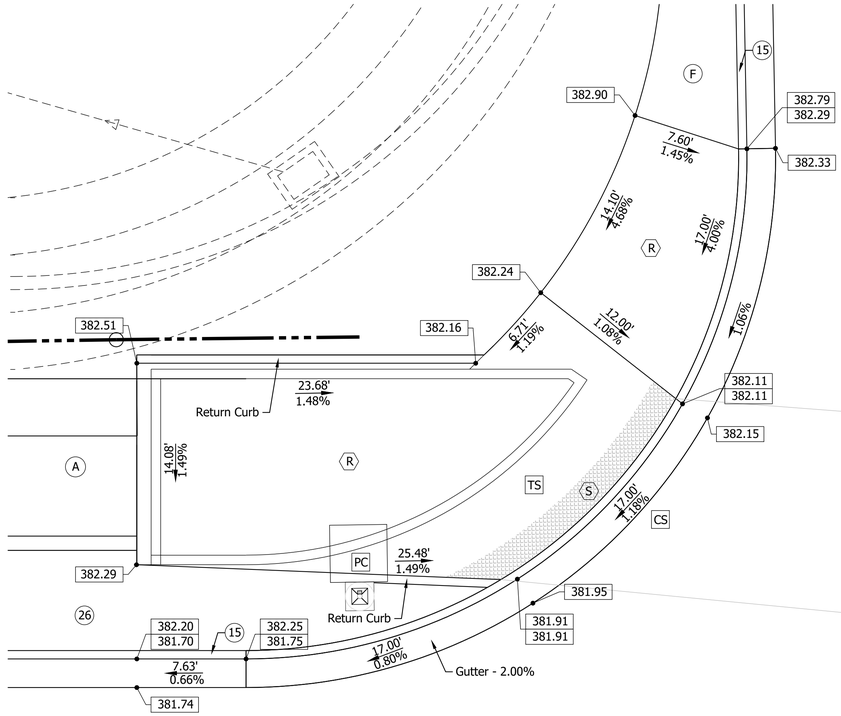


LEGEND

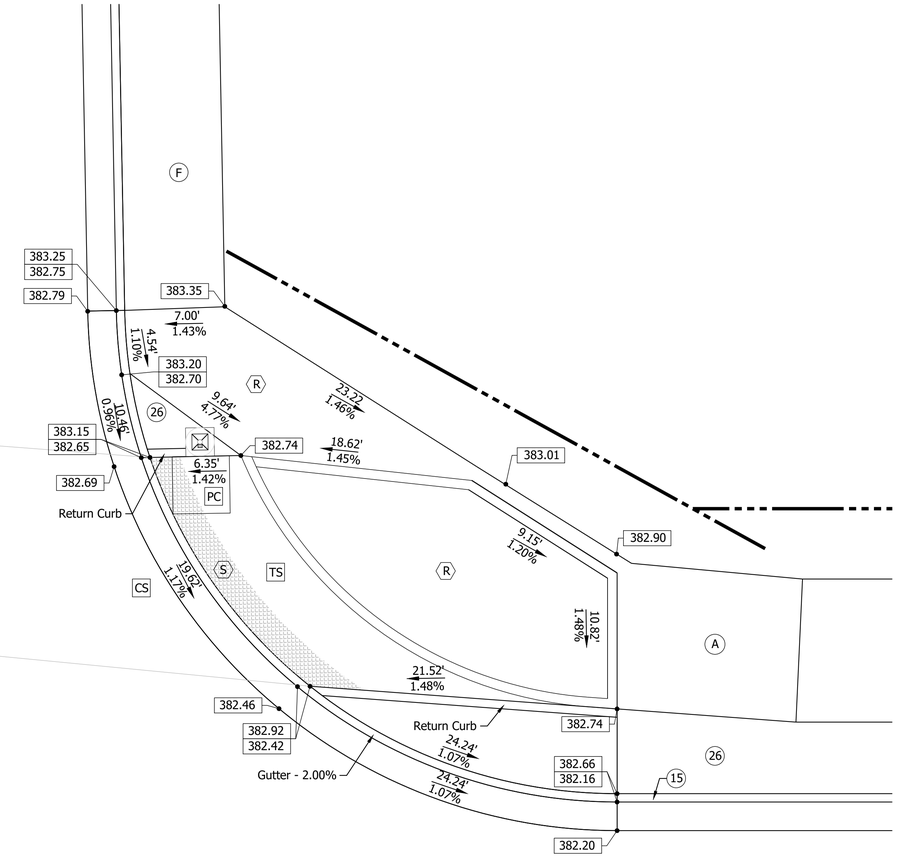
- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_2017\117-0045\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_'	BRIDGE FILE N/A
		VERTICAL SCALE _"=_'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CURB RAMP DETAILS ELSAS AVENUE	SURVEY BOOK	SHEETS 112 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726



Heidelbach Avenue

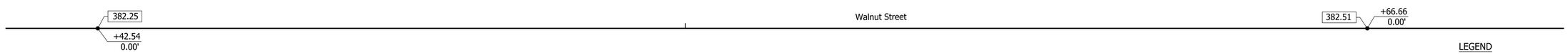


Sta. 50+42.54 Lt. "PG"

NW of Heidelbach Ave & Walnut St.
(Signalized)
Ramp Type - One-Way Directional
with Buffer

Sta. 51+66.66 Lt. "PG"

NE of Heidelbach Ave & Walnut St.
(Signalized)
Ramp Type - One-Way Directional
with Buffer

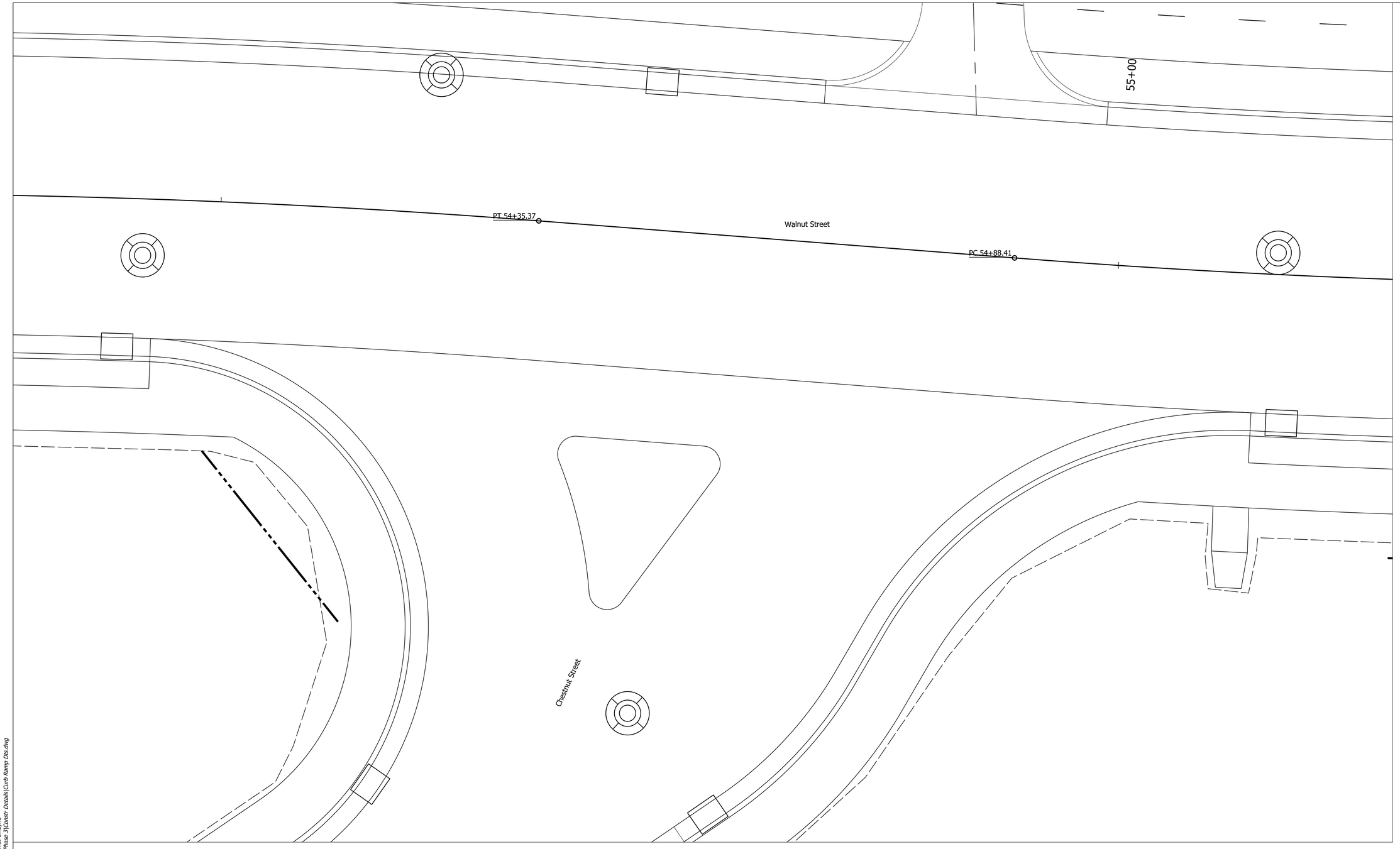


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

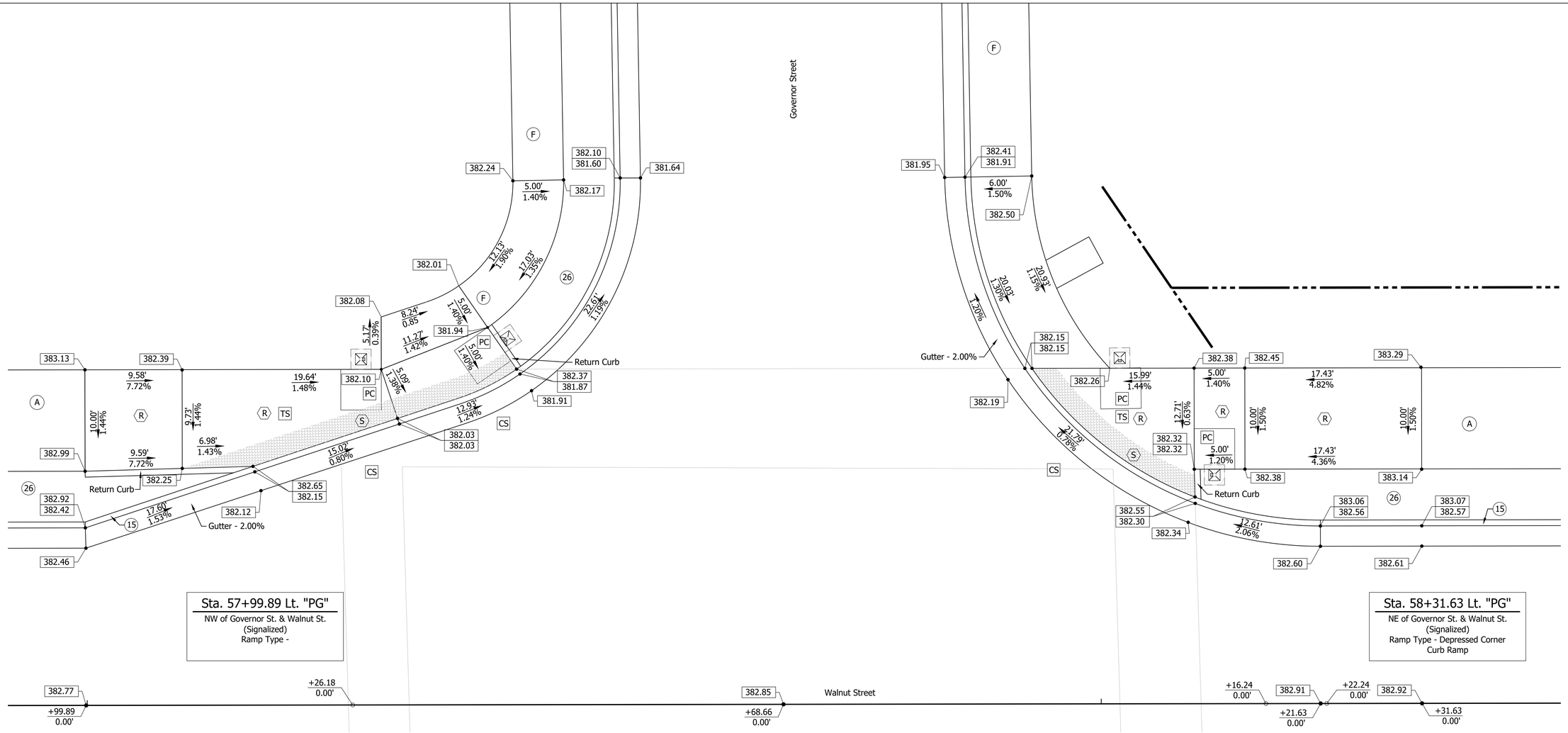
Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_2017\1117-04\3\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=5' / BRIDGE FILE: N/A / VERTICAL SCALE: --- / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS HEIDELBACH AVENUE	SURVEY BOOK: / SHEETS: 113 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726



Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: "=_' / VERTICAL SCALE: _"=_'
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS CHESTNUT STREET	BRIDGE FILE: N/A / DESIGNATION: 1801726
CHECKED: JAW	CHECKED: JAF		SURVEY BOOK: / SHEETS: 114 of --
			CONTRACT: R-41599 / PROJECT: 1801726



LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:47pm User Name: dwayne
File: S:_2017\17-009\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

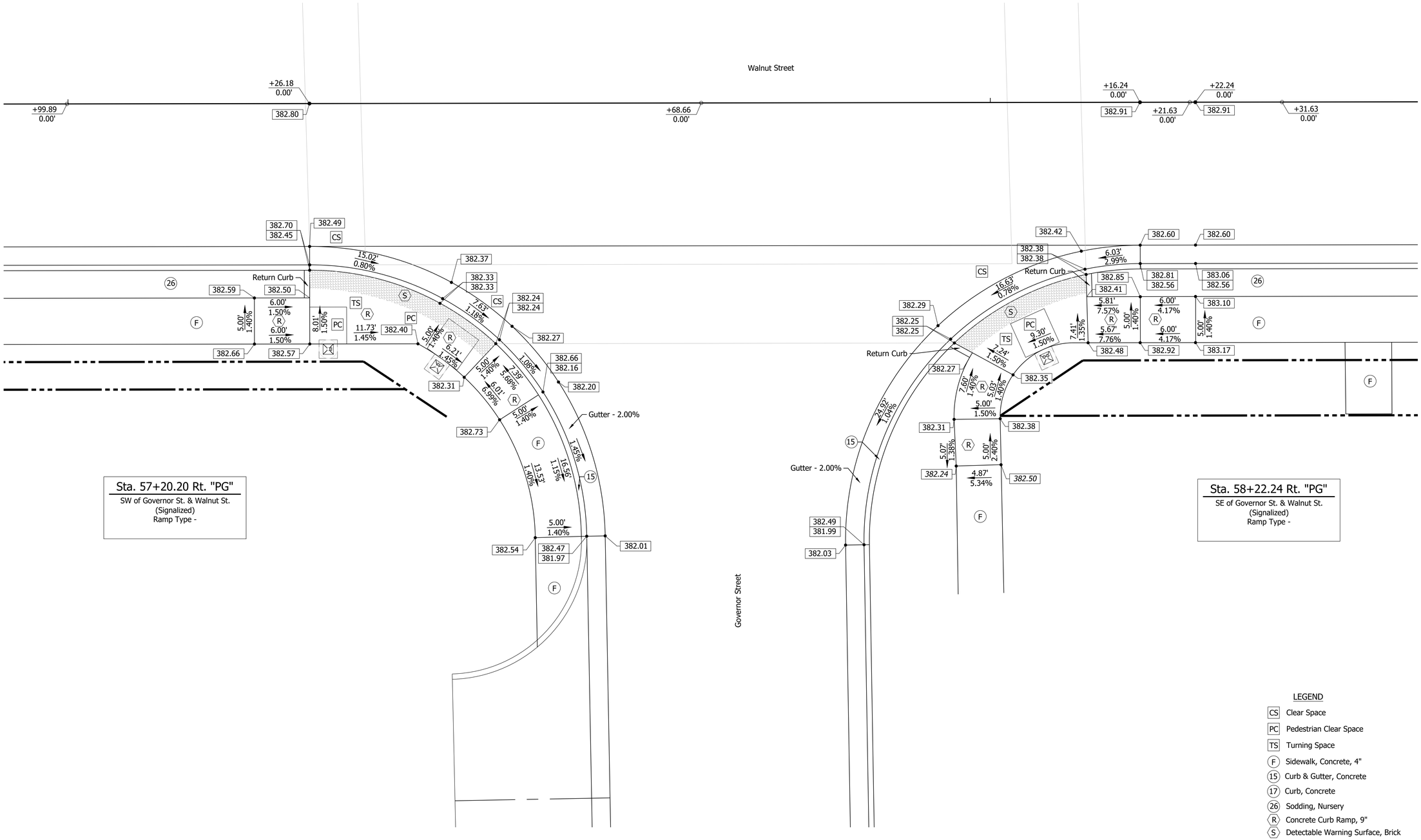
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
GOVERNOR STREET

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
---	1801726
SURVEY BOOK	SHEETS
	115 of --
CONTRACT	PROJECT
R-41599	1801726



LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:_2017\1\7-0453\Road\CAD_Phase 5\Corsor Details\Curb Ramp Dts.dwg

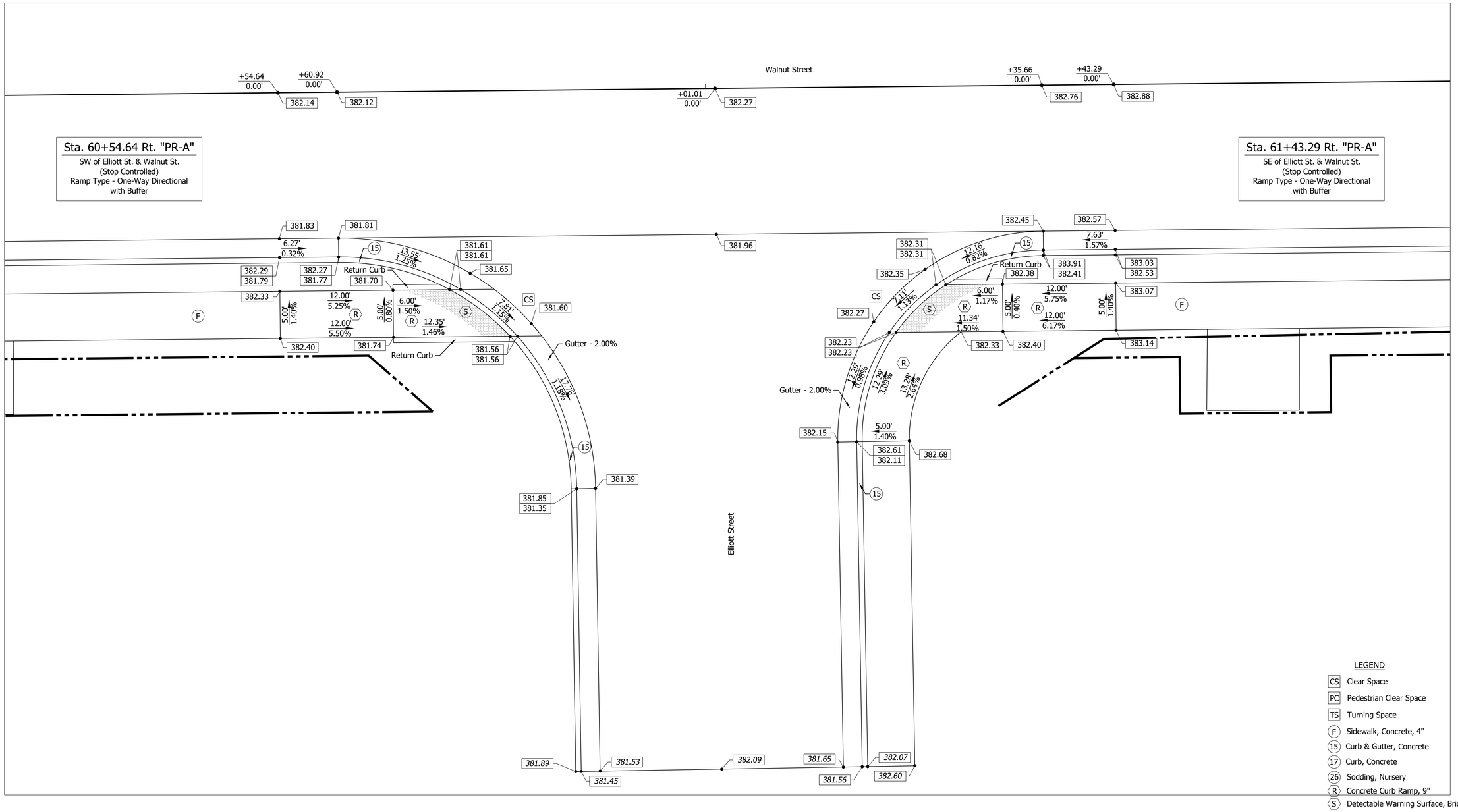
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

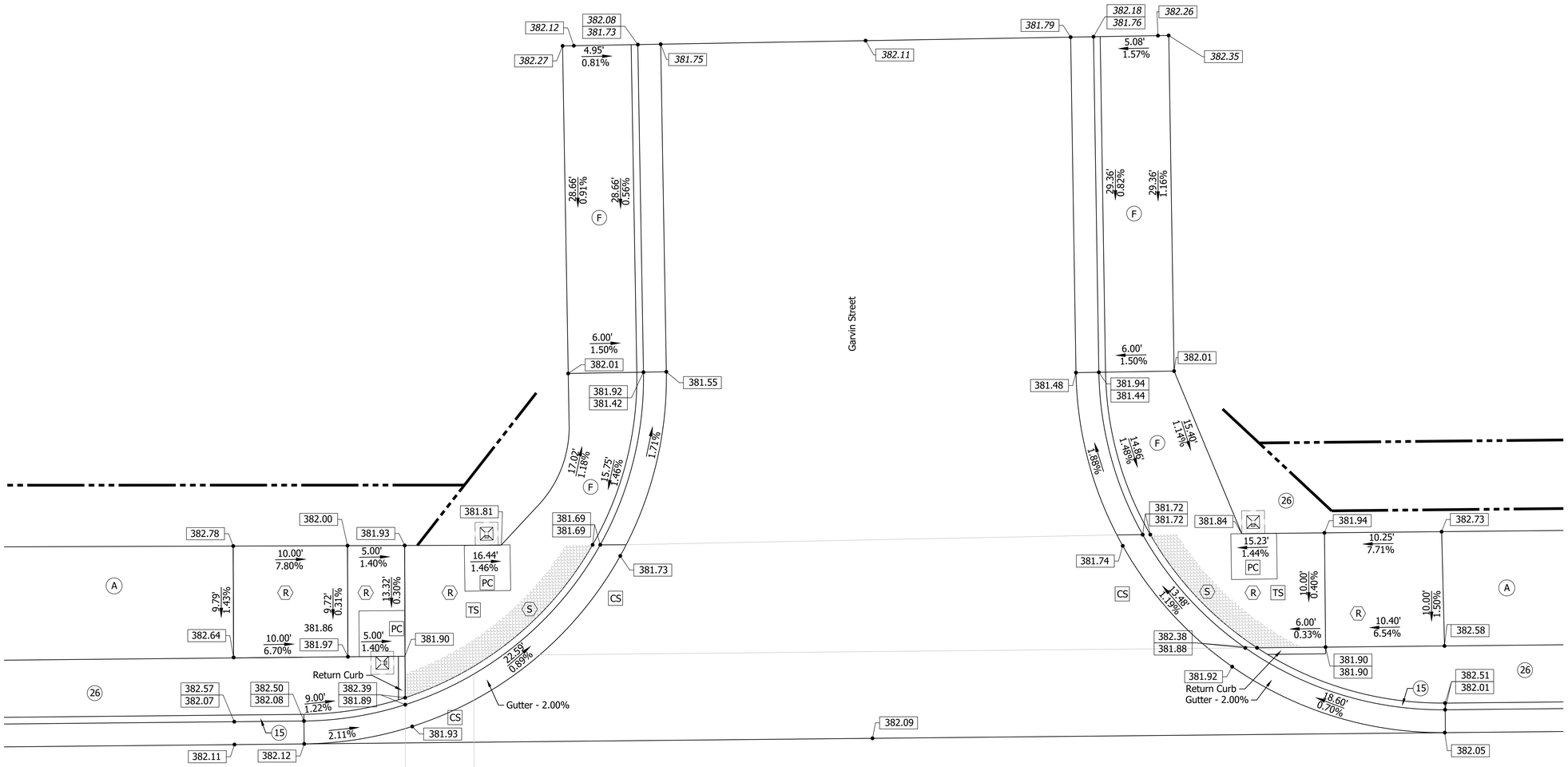
CURB RAMP DETAILS
GOVERNOR STREET

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
---	1801726
SURVEY BOOK	SHEETS
	116 of --
CONTRACT	PROJECT
R-41599	1801726



Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:\2017\1\7-049\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_' / BRIDGE FILE N/A
			VERTICAL SCALE _"=_' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS ELLIOTT STREET	SURVEY BOOK / SHEETS 117 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



Sta. 63+79.93 Lt. "PG"

NW of Garvin St. & Walnut St.
(Signalized)
Ramp Type - XXX

Sta. 64+79.76 Lt. "PG"

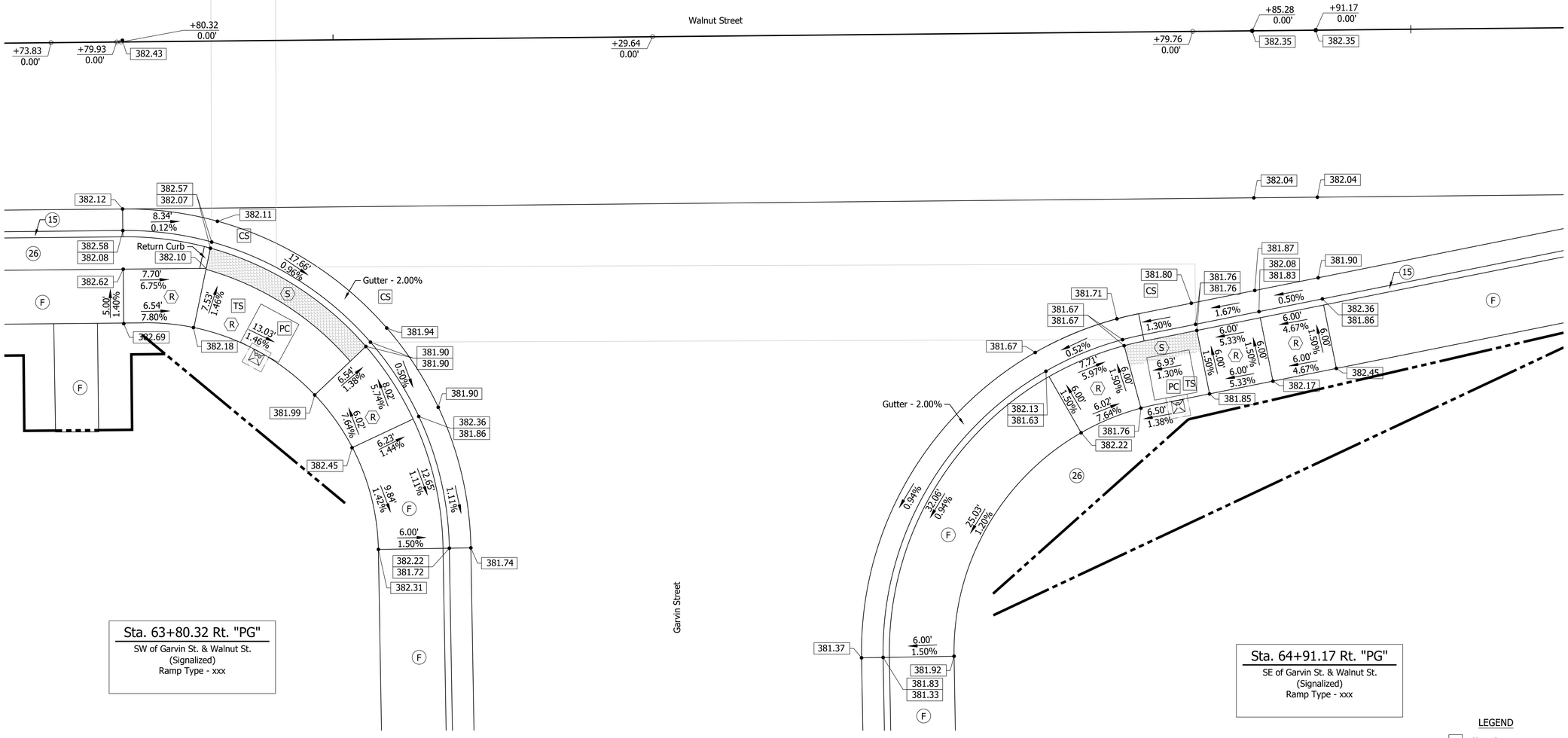
NE of Garvin St. & Walnut St.
(Signalized)
Ramp Type - One-Way Directional
with Buffer

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- (A) PCCP, 4" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4"
- (15) Curb & Gutter, Concrete
- (17) Curb, Concrete
- (26) Sodding, Nursery
- (R) Concrete Curb Ramp, 9"
- (S) Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:_001\71\7-040\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=5' / BRIDGE FILE: N/A / VERTICAL SCALE: --- / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS GARVIN STREET	SURVEY BOOK: / SHEETS: 118 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726



Sta. 63+80.32 Rt. "PG"

SW of Garvin St. & Walnut St.
(Signalized)
Ramp Type - xxx

Sta. 64+91.17 Rt. "PG"

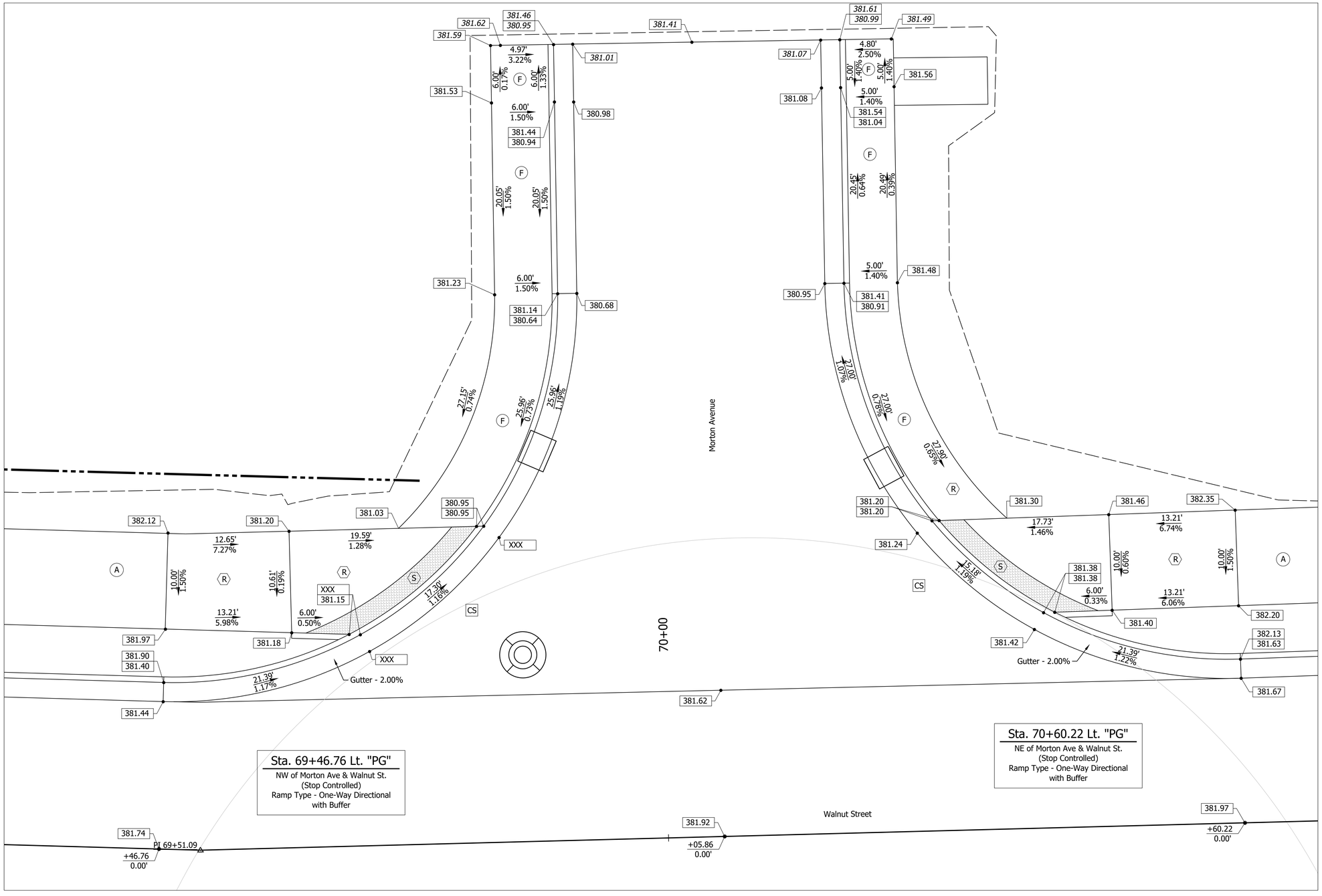
SE of Garvin St. & Walnut St.
(Signalized)
Ramp Type - xxx

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=5' / BRIDGE FILE: N/A / VERTICAL SCALE: --- / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS GARVIN STREET	SURVEY BOOK: / SHEETS: 119 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

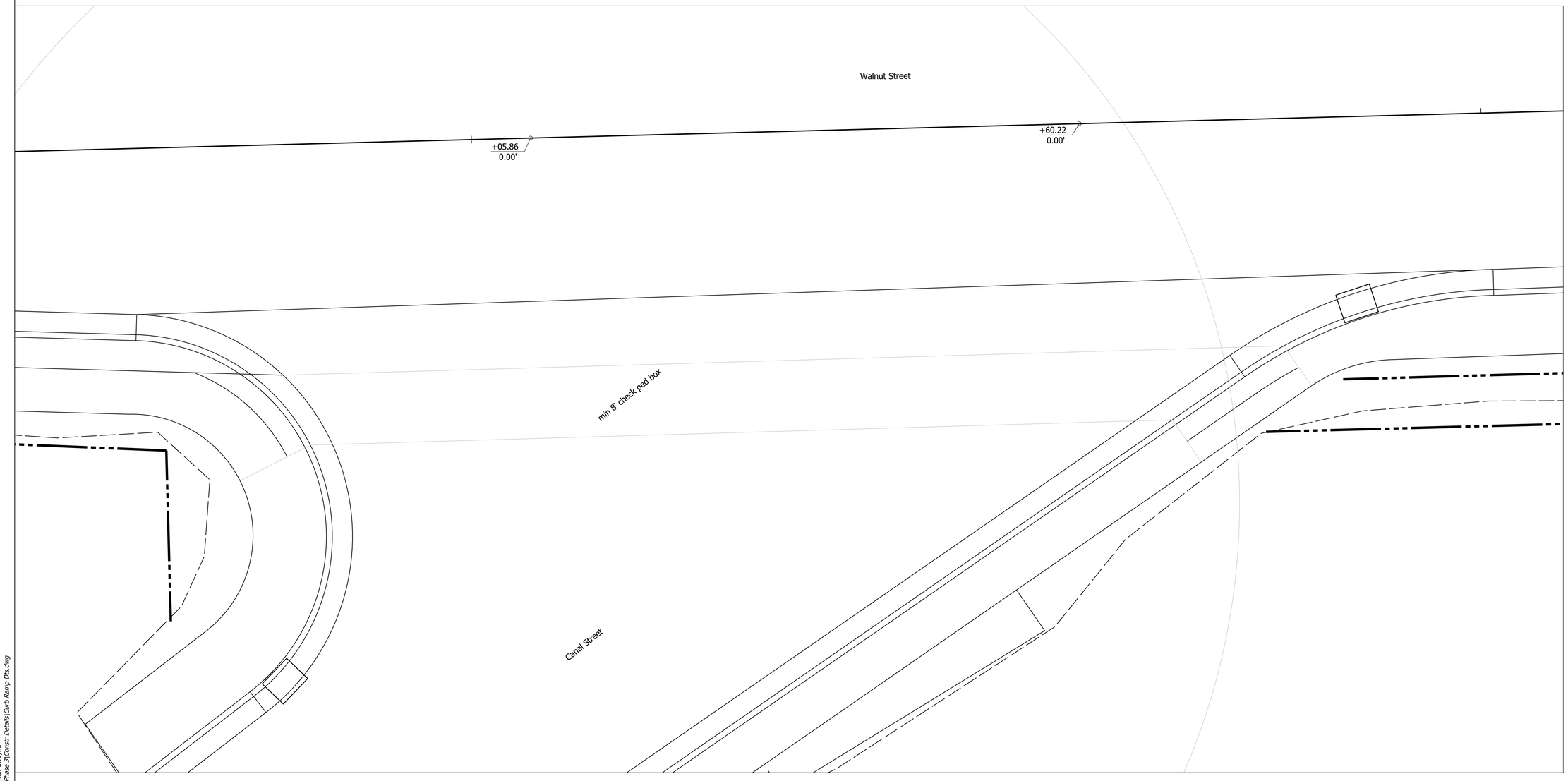


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- (A) PCCP, 4" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4"
- (15) Curb & Gutter, Concrete
- (17) Curb, Concrete
- (26) Sodding, Nursery
- (R) Concrete Curb Ramp, 9"
- (S) Detectable Warning Surface, Brick

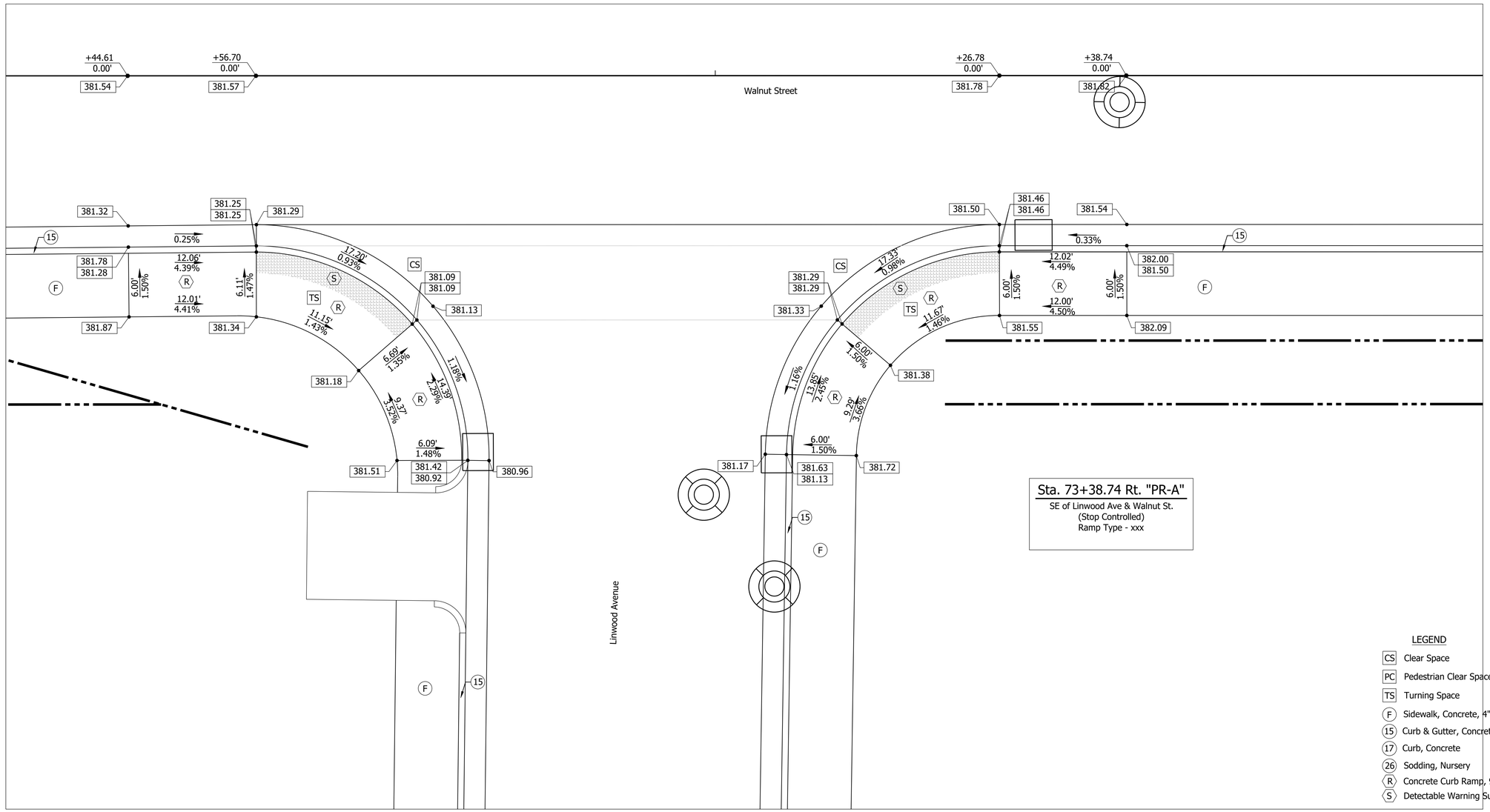
Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Consr Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "= '	BRIDGE FILE N/A
		VERTICAL SCALE "= '	DESIGNATION 1801726
DESIGNED: DAS DRAWN: DAS	CURB RAMP DETAILS MORTON AVENUE	SURVEY BOOK	SHEETS 120 of --
CHECKED: JAW CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726



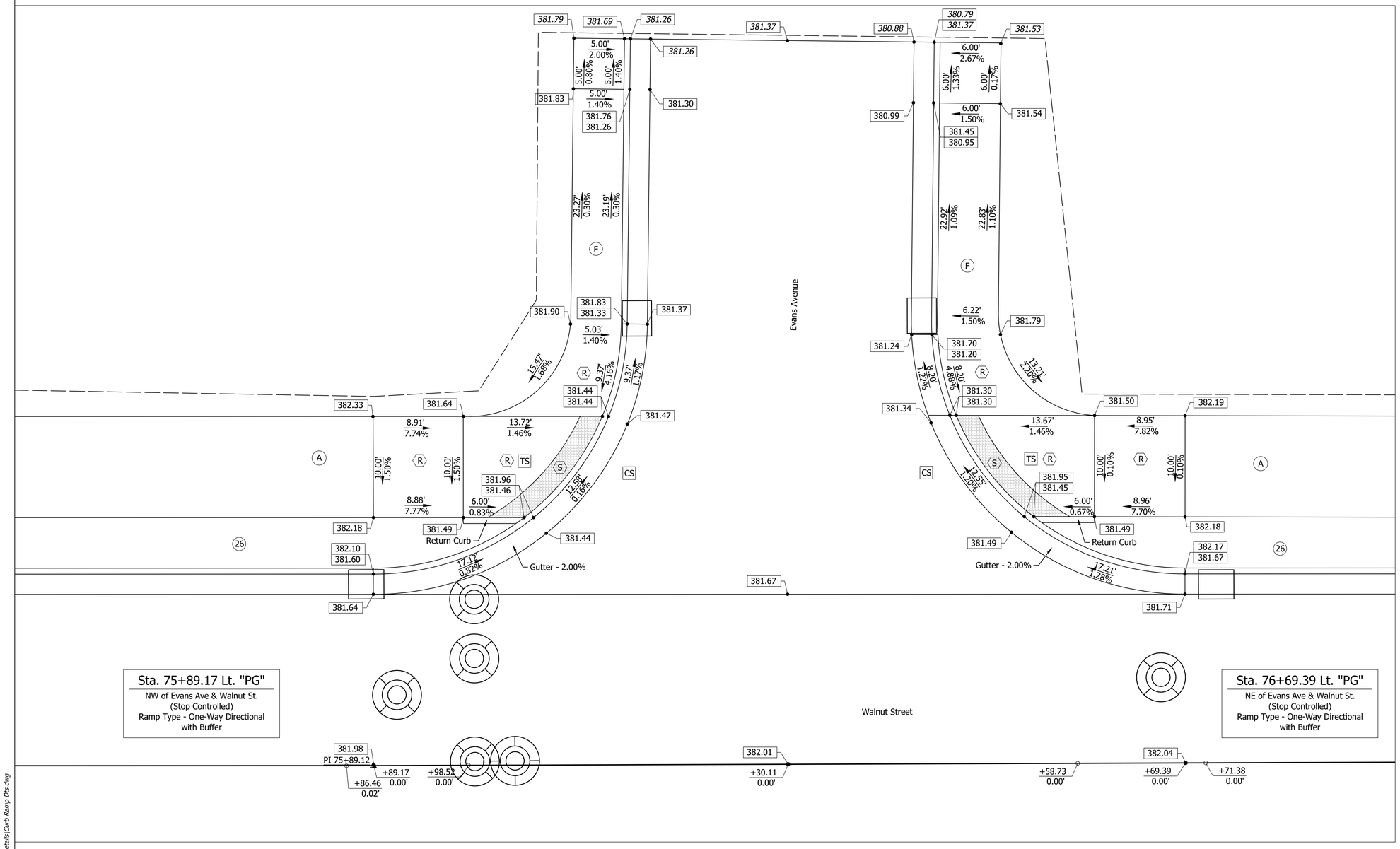
Date: Aug 22, 2022, 3:48pm User Name: dwayne
File: S:_2017\17-049\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_' / BRIDGE FILE N/A
			VERTICAL SCALE _"=_' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS CANAL STREET	SURVEY BOOK / SHEETS 121 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:\2017\1712040\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL	--/--/-- DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "= ' / VERTICAL SCALE "= ' / BRIDGE FILE N/A / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS LINWOOD AVENUE	SURVEY BOOK / SHEETS 122 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- (A) PCCP, 4" on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4"
- (15) Curb & Gutter, Concrete
- (17) Curb, Concrete
- (26) Sodding, Nursery
- (R) Concrete Curb Ramp, 9"
- (S) Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:\L2017\1726\Road\CAD_Phase 3\Center Details\Curb Ramp Dts.dwg

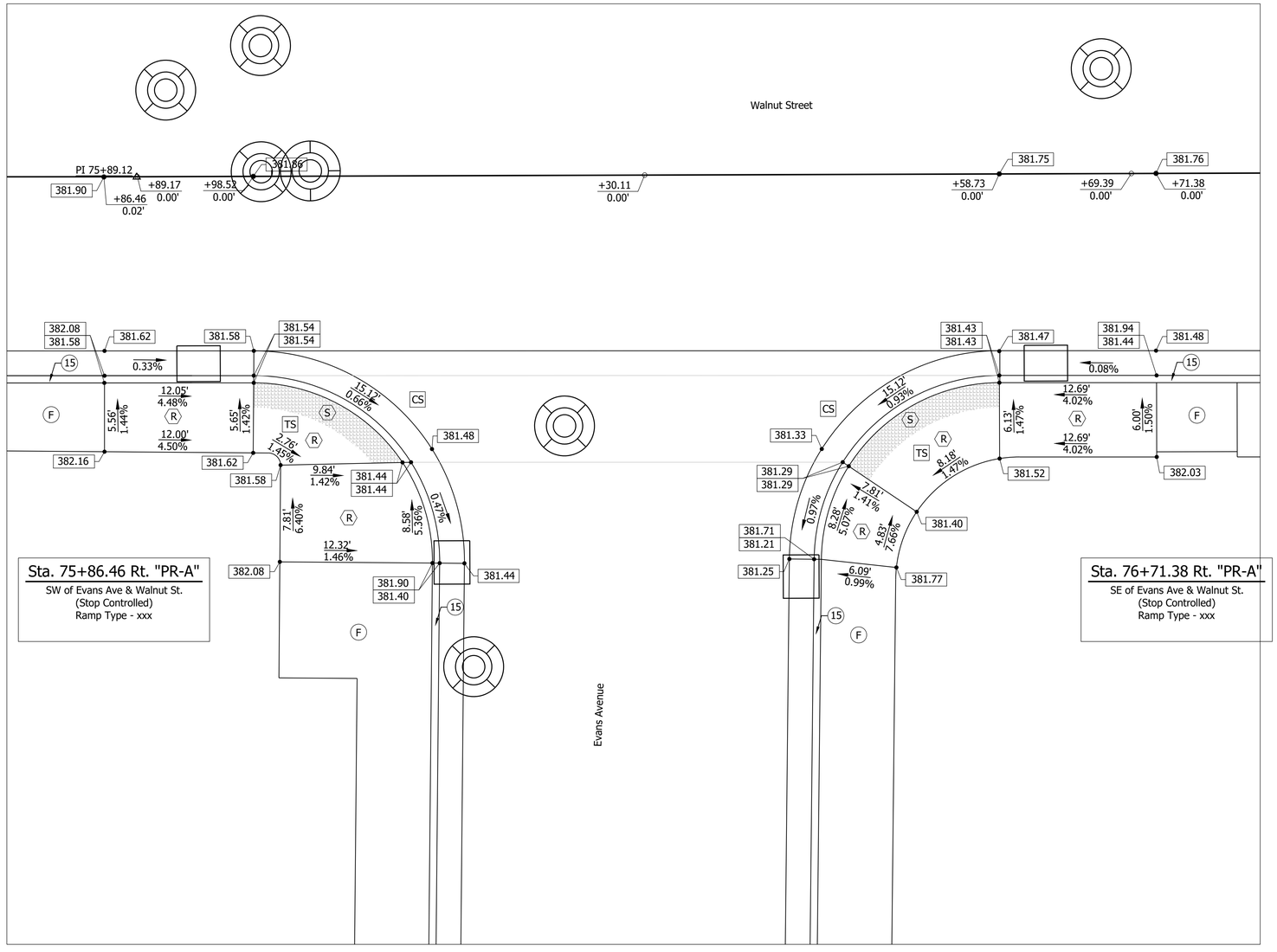
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

ELEVATION DETAILS
EVANS AVENUE

HORIZONTAL SCALE	BRIDGE FILE
"= '	N/A
VERTICAL SCALE	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	123 of --
CONTRACT	PROJECT
R-41599	1801726

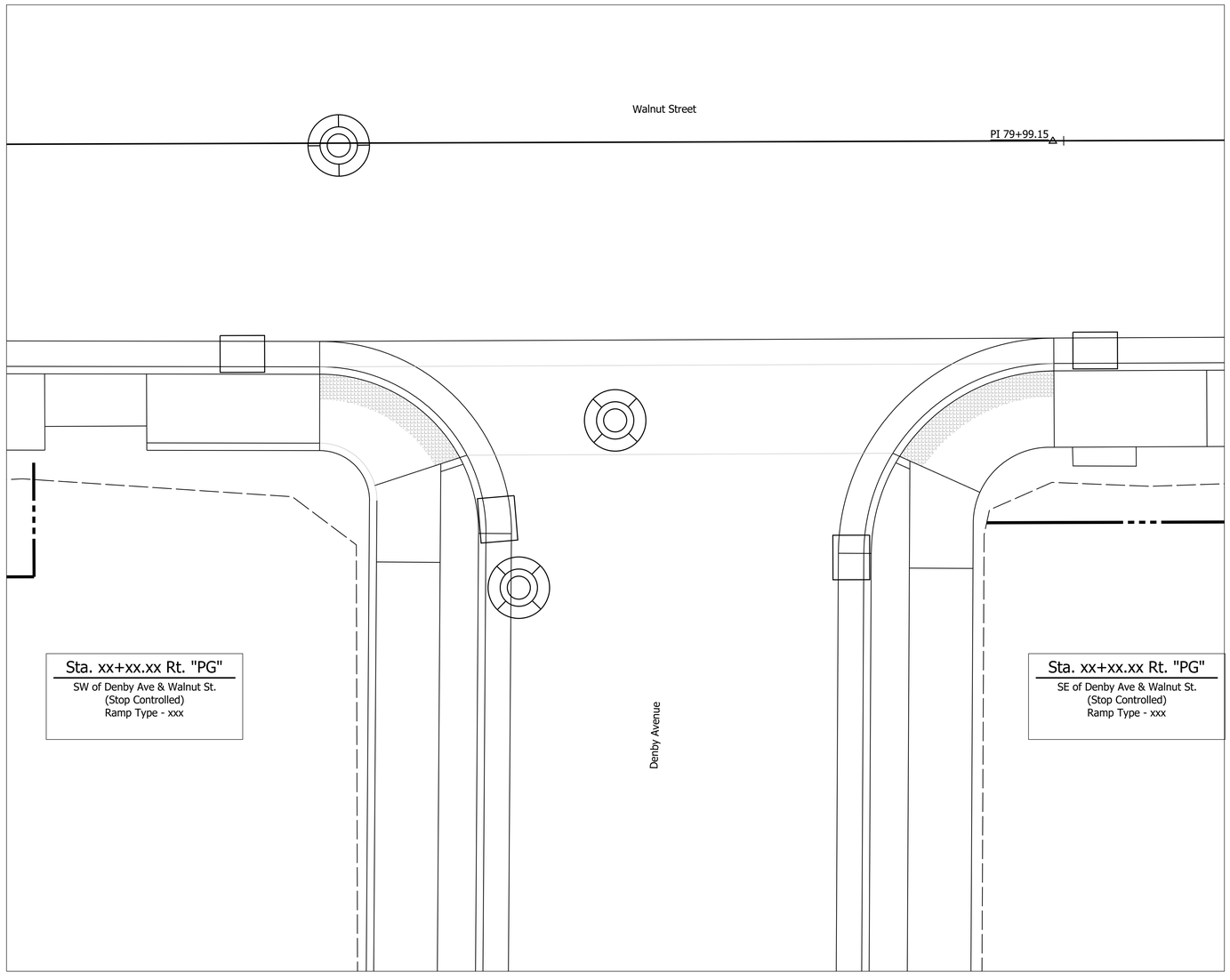


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ --/--/-- DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_'	BRIDGE FILE N/A
		VERTICAL SCALE _"=_'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CURB RAMP DETAILS EVANS AVENUE	SURVEY BOOK	SHEETS 124 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726

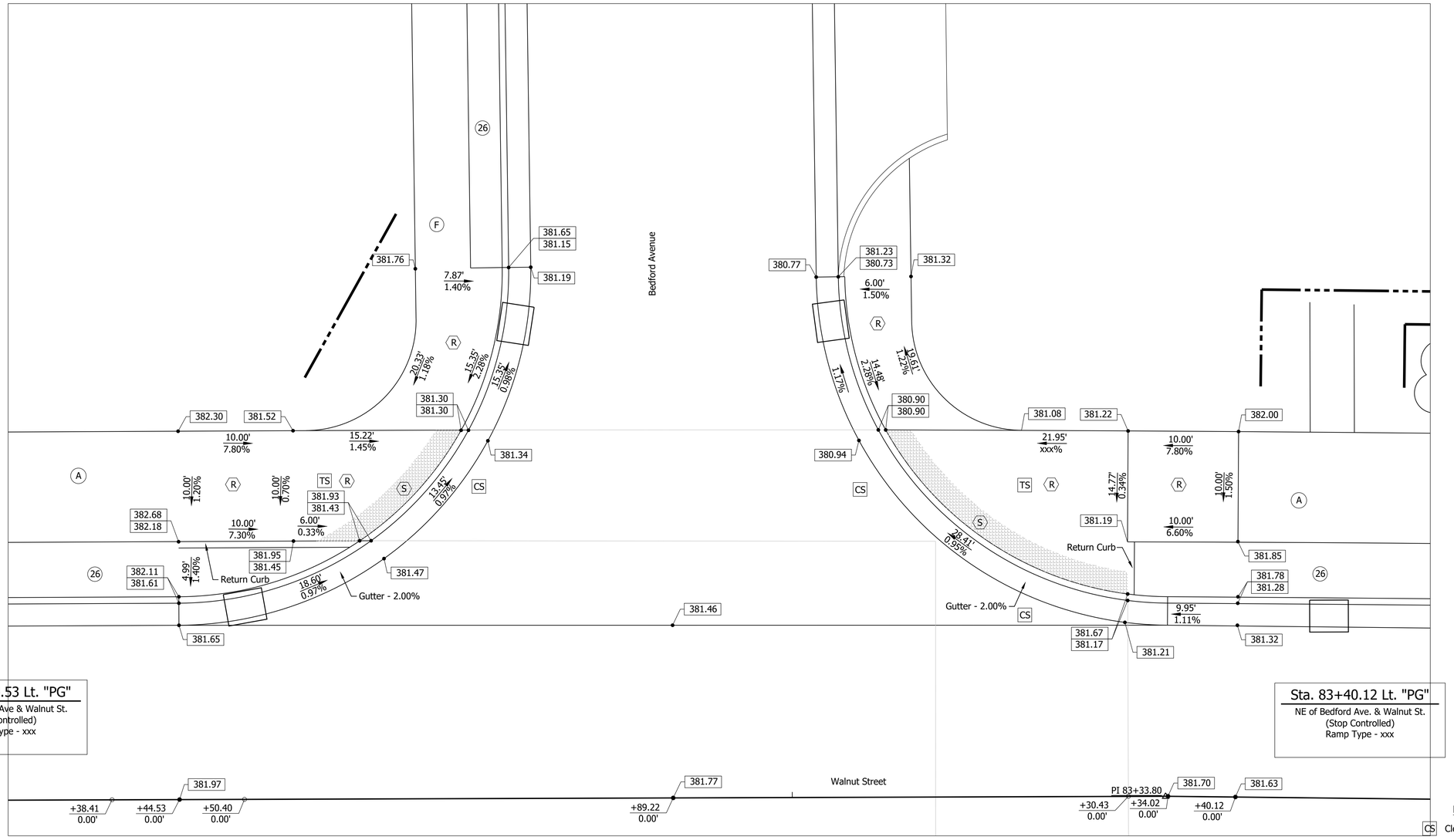


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:_2017\17-040\Road\CAD_Phase 3\Constr Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_' / VERTICAL SCALE "=_'
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS DENBY AVENUE	BRIDGE FILE N/A / DESIGNATION 1801726
CHECKED: JAW	CHECKED: JAF		SURVEY BOOK / SHEETS 125 of --
			CONTRACT R-41599 / PROJECT 1801726



Sta. 82+44.53 Lt. "PG"

NW of Bedford Ave & Walnut St.
(Stop Controlled)
Ramp Type - xxx

Sta. 83+40.12 Lt. "PG"

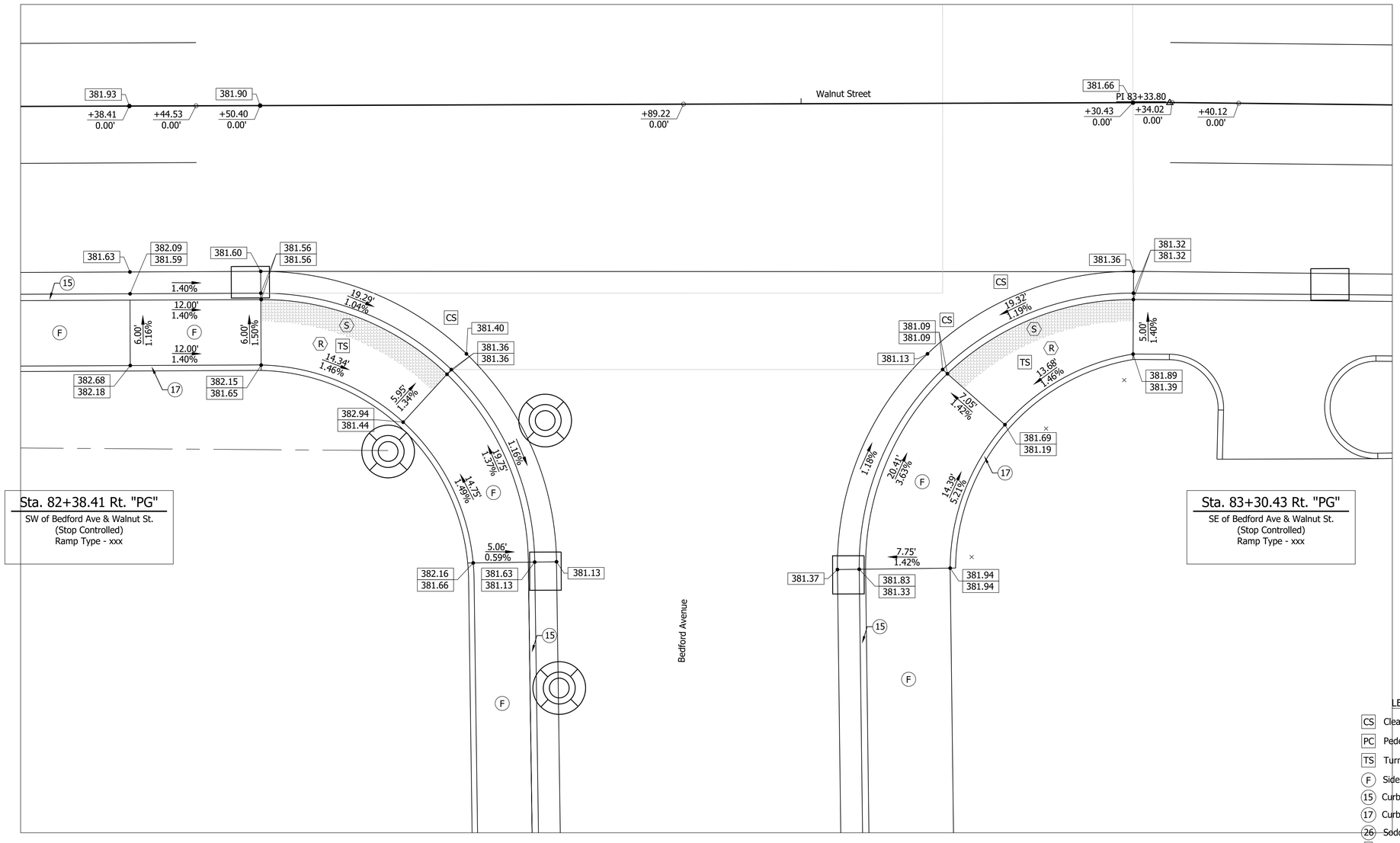
NE of Bedford Ave. & Walnut St.
(Stop Controlled)
Ramp Type - xxx

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- A PCCP, 4" on Subgrade Treatment Type II
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: "=_' / VERTICAL SCALE: "=_'
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS BEDFORD AVENUE	BRIDGE FILE: N/A / DESIGNATION: 1801726
CHECKED: JAW	CHECKED: JAF		SURVEY BOOK / SHEETS: 126 of --
			CONTRACT: R-41599 / PROJECT: 1801726

Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:_2017\17-2049\Road\CAD_Phase 3\Constr Details\Curb Ramp Dts.dwg

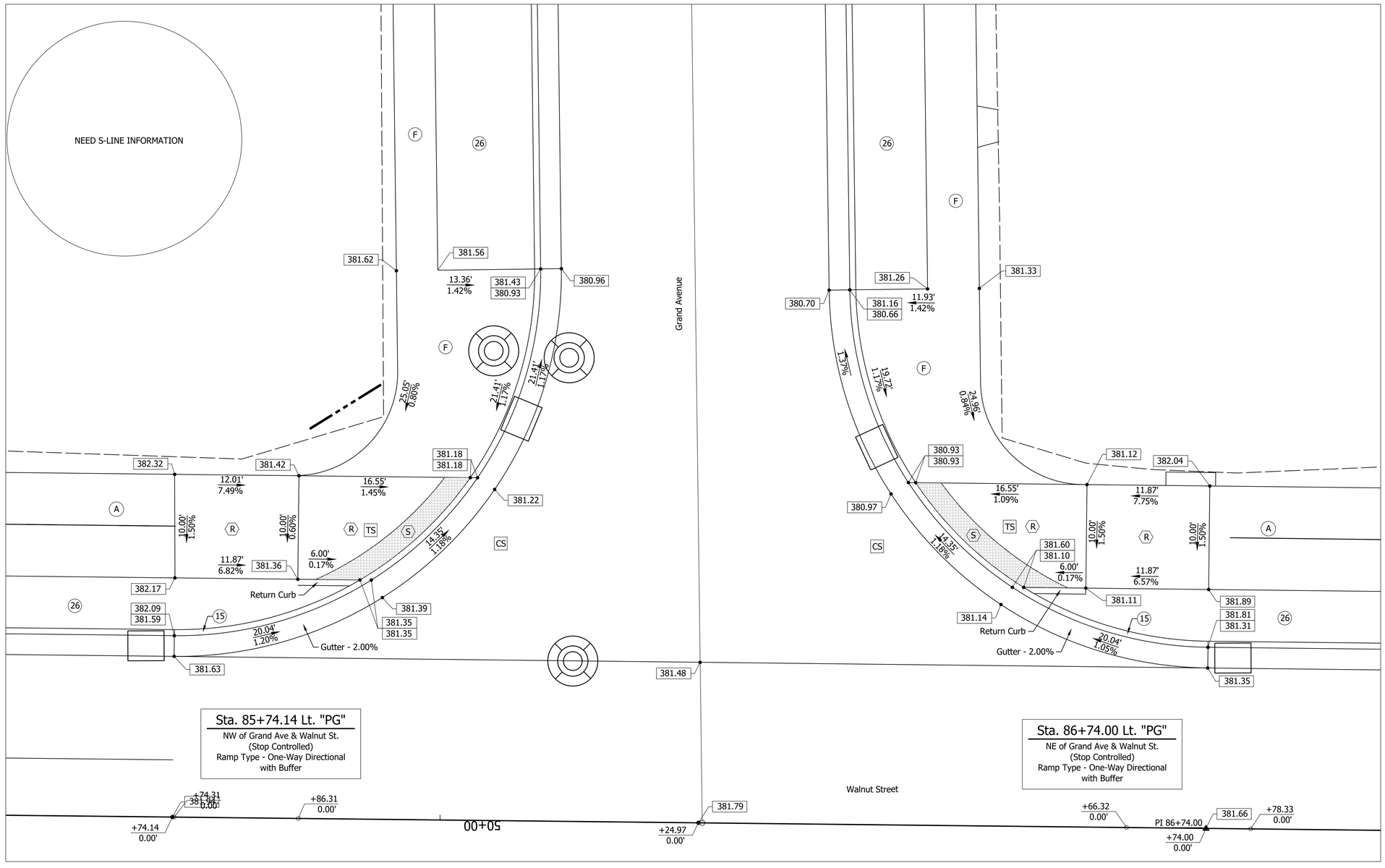


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:49pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_'	BRIDGE FILE N/A
		VERTICAL SCALE "=_'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CURB RAMP DETAILS BEDFORD AVENUE	SURVEY BOOK	SHEETS 127 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726



Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:\L2017\1172-009\Road\CAD_Phase 3\Constr Details\Curb Ramp Dts.dwg

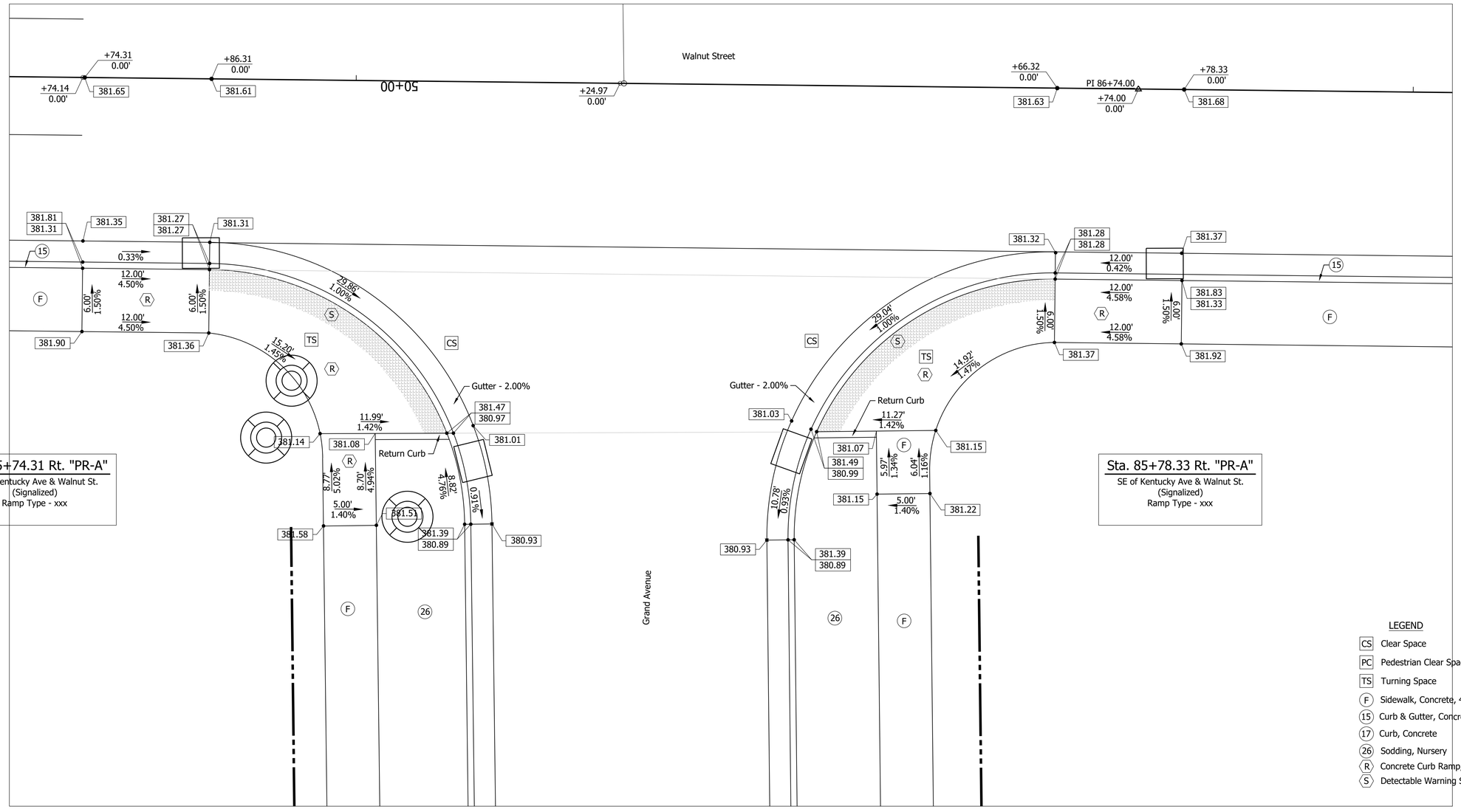
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
GRAND AVENUE

HORIZONTAL SCALE	BRIDGE FILE
"= '	N/A
VERTICAL SCALE	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	128 of --
CONTRACT	PROJECT
R-41599	1801726



LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

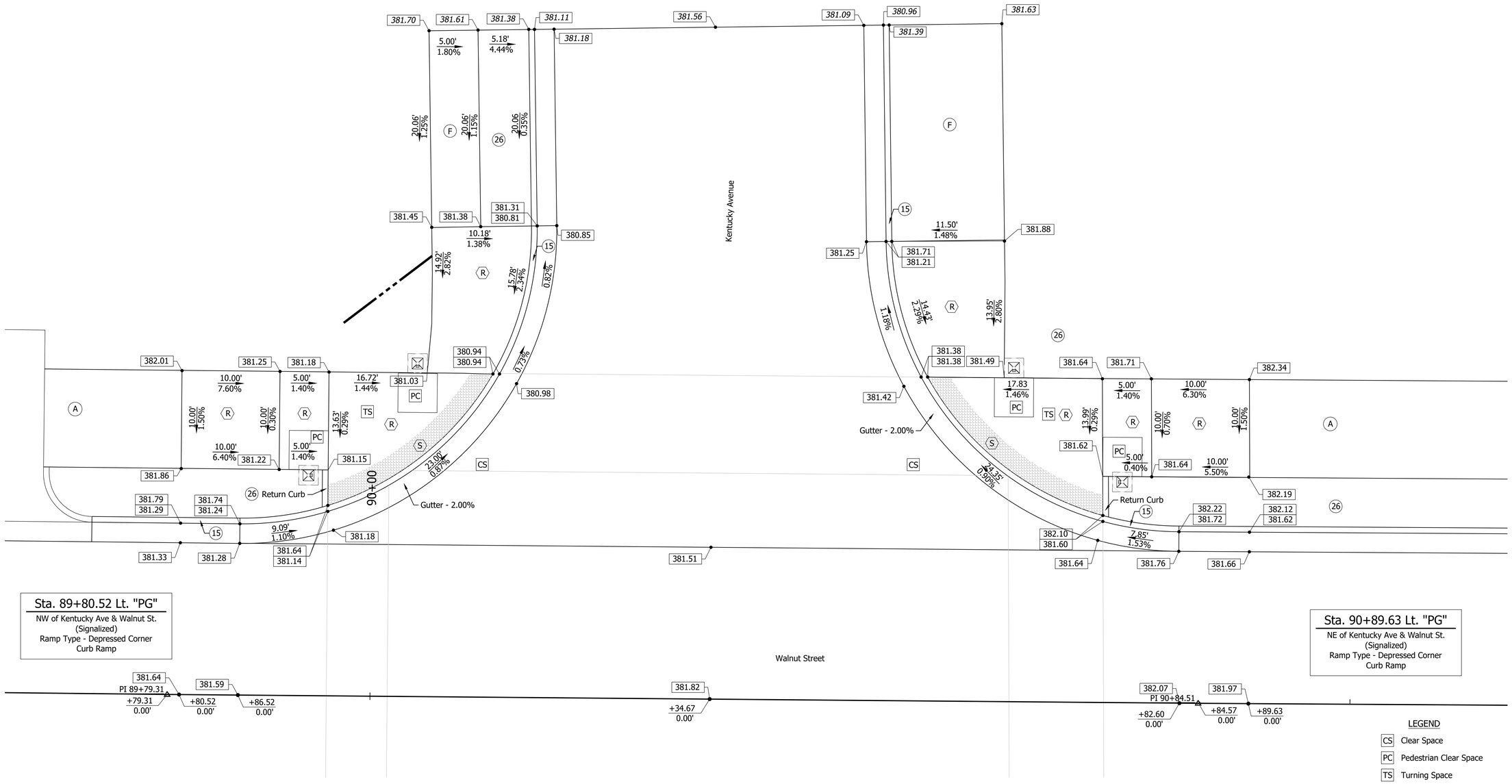
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

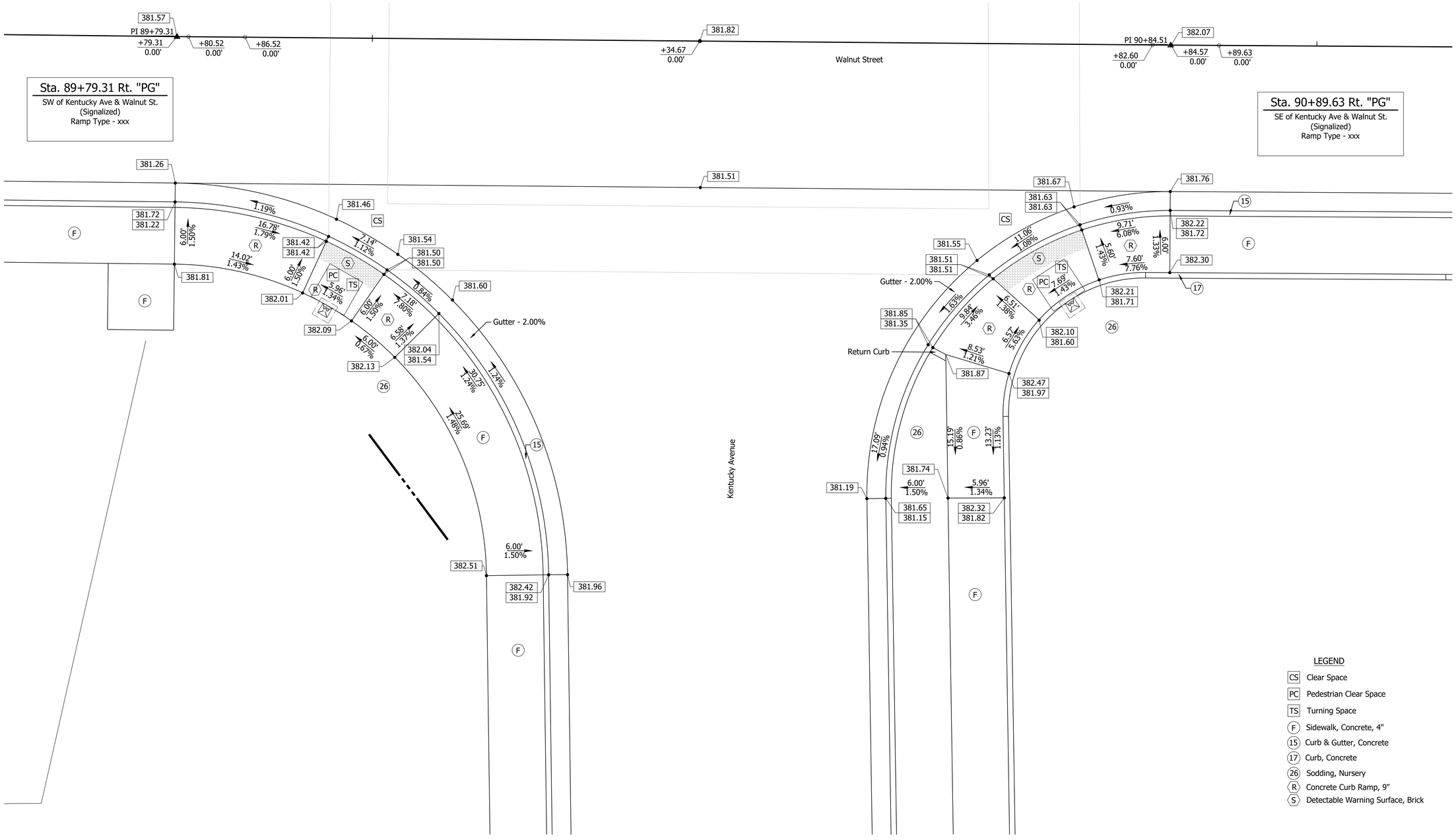
CURB RAMP DETAILS
GRAND AVENUE

HORIZONTAL SCALE	BRIDGE FILE
"=_'	N/A
VERTICAL SCALE	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	129 of --
CONTRACT	PROJECT
R-41599	1801726



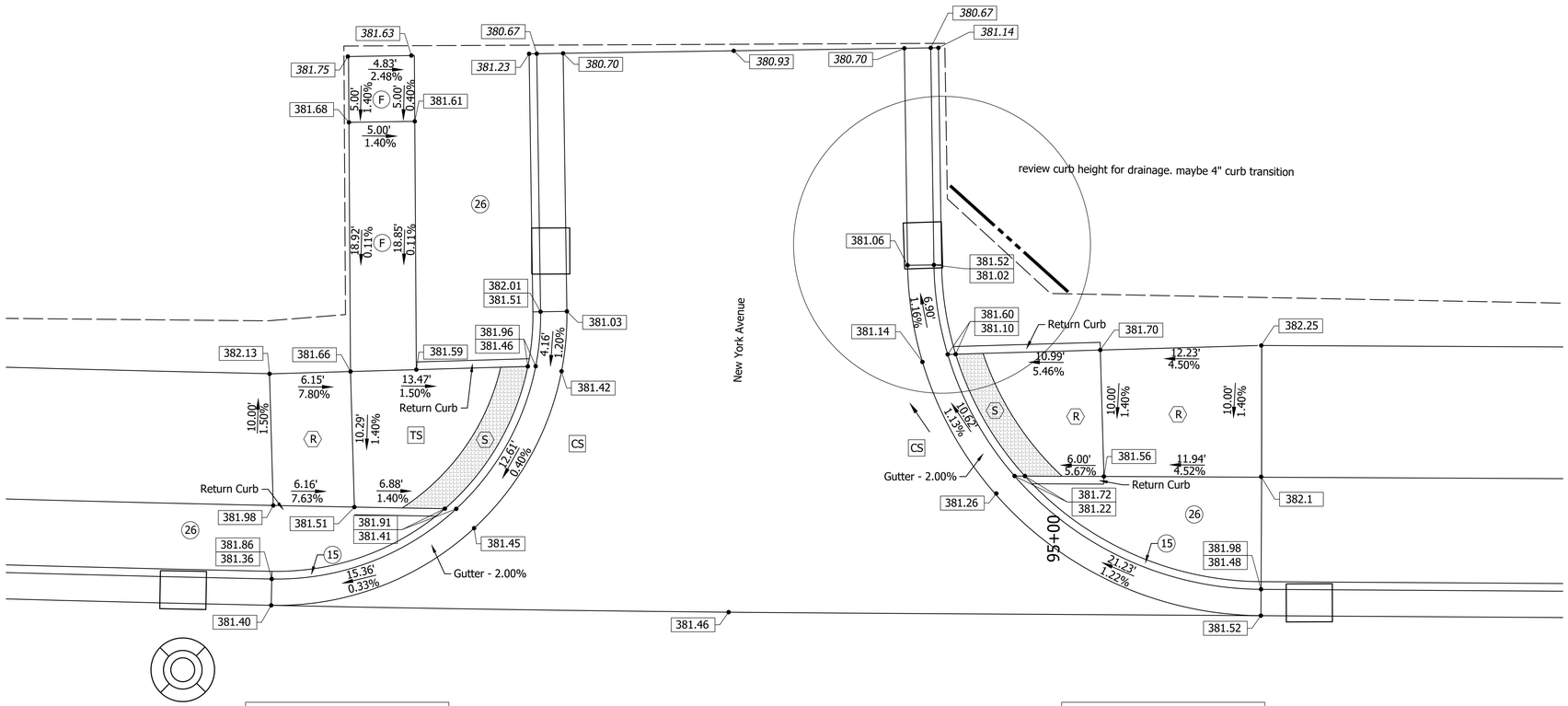
Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:_2017\17-2049\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=5' / BRIDGE FILE: N/A / VERTICAL SCALE: --- / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS KENTUCKY AVENUE	SURVEY BOOK: / SHEETS: 130 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726



Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE N/A
		VERTICAL SCALE ---	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CURB RAMP DETAILS KENTUCKY AVENUE	SURVEY BOOK	SHEETS 131 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726

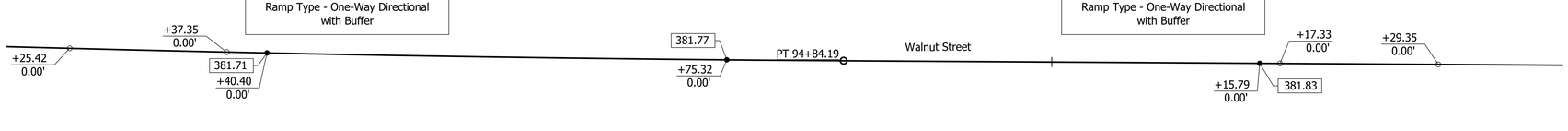


Sta. 94+40.40 Lt. "PG"

NW of New York Ave & Walnut St.
(Stop Controlled)
Ramp Type - One-Way Directional
with Buffer

Sta. 95+15.79 Lt. "PG"

NE of New York Ave. & Walnut St.
(Stop Controlled)
Ramp Type - One-Way Directional
with Buffer

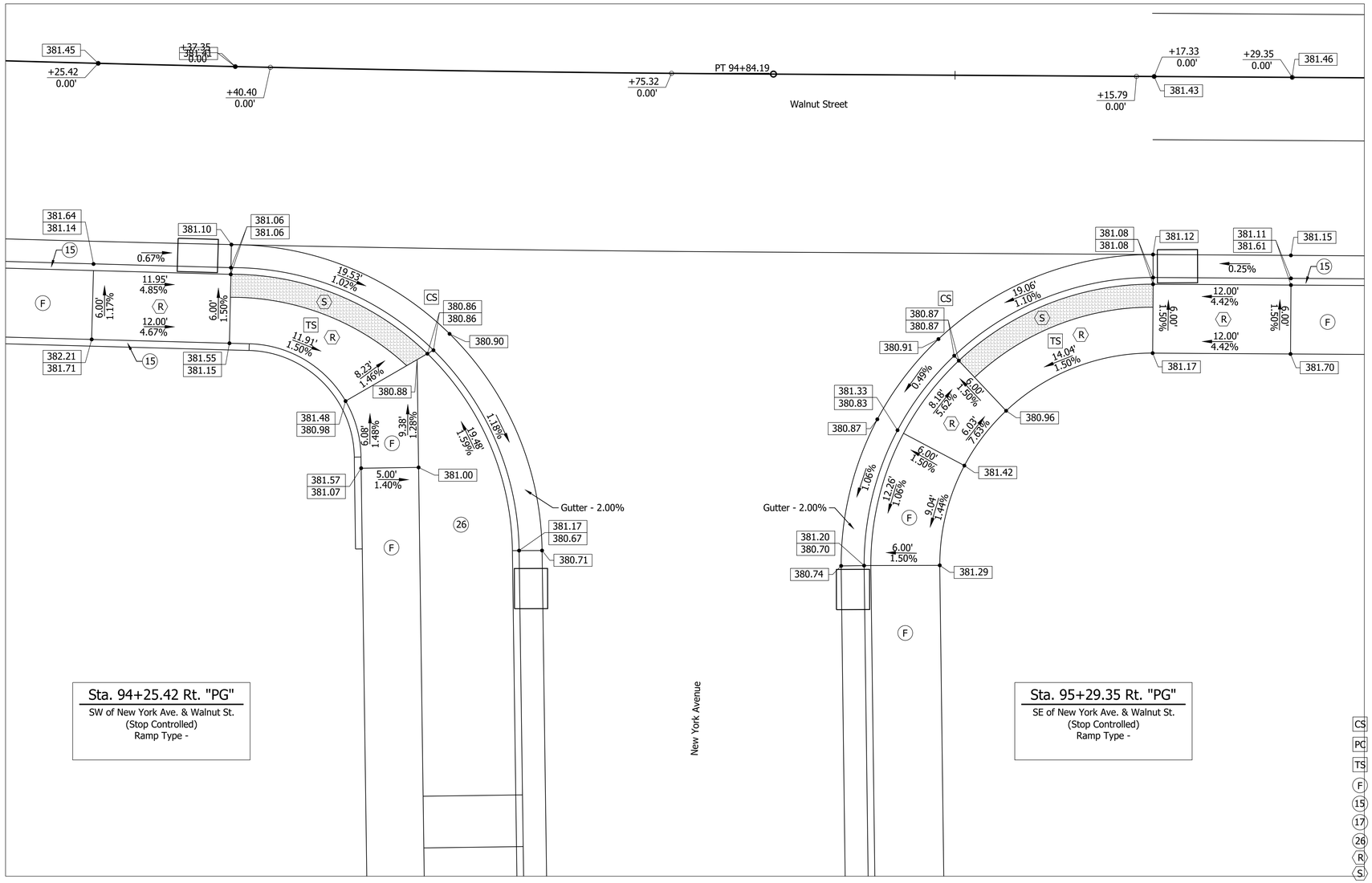


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: "=_' / BRIDGE FILE: N/A
			VERTICAL SCALE: "=_' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS NEW YORK AVENUE	SURVEY BOOK: / SHEETS: 132 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:_2017\17-0093\Road\CAD_Phase 3\Consr Details\Curb Ramp Dts.dwg



Sta. 94+25.42 Rt. "PG"

SW of New York Ave. & Walnut St.
(Stop Controlled)
Ramp Type -

Sta. 95+29.35 Rt. "PG"

SE of New York Ave. & Walnut St.
(Stop Controlled)
Ramp Type -

LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

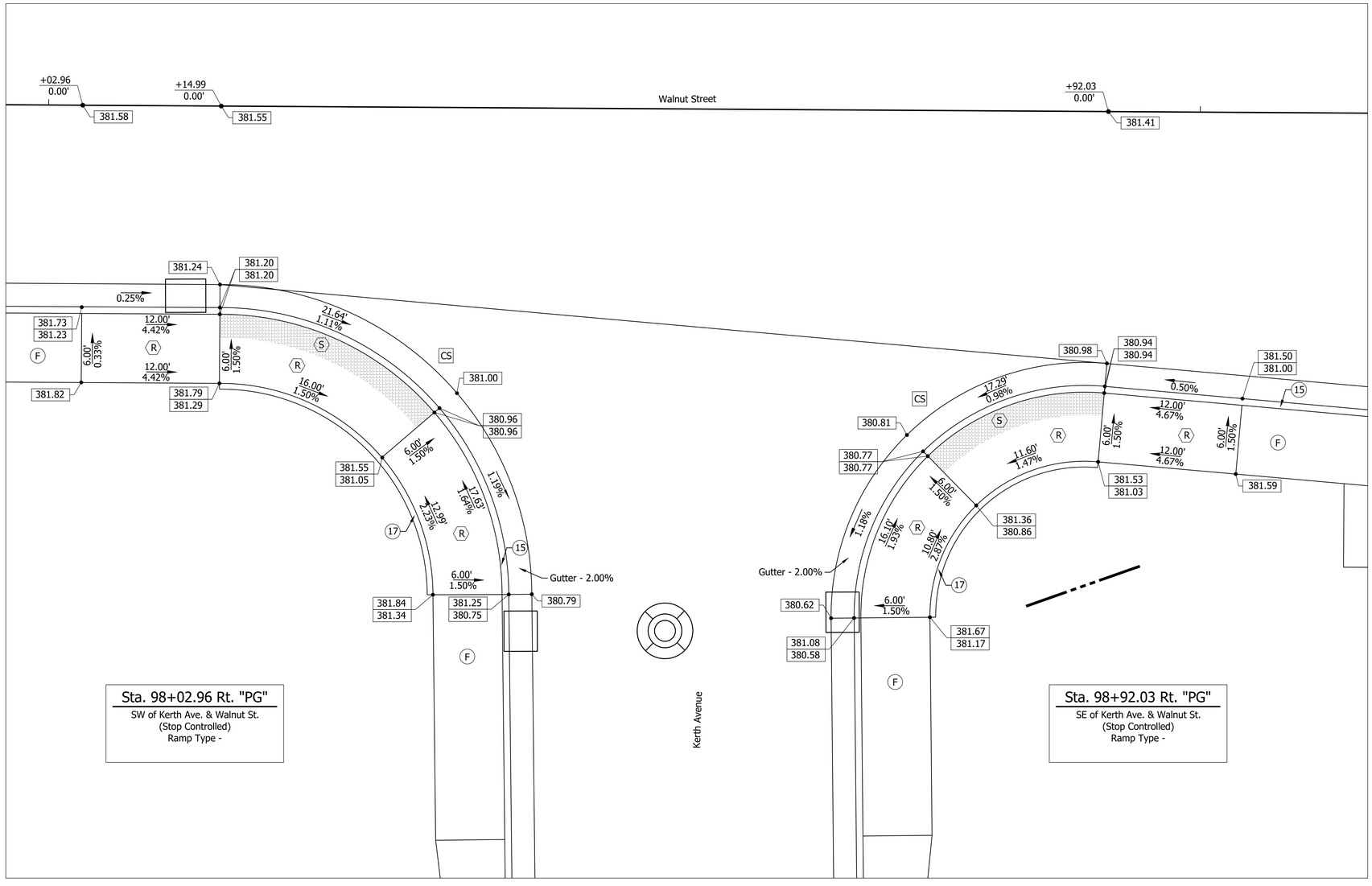
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
NEW YORK AVENUE

HORIZONTAL SCALE	BRIDGE FILE
_"=_'	N/A
VERTICAL SCALE	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	133 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:50pm User Name: dwayne
File: S:_2017\117-04\3\Road\CAD_Phase 3\Corner Details\Curb Ramp Dts.dwg

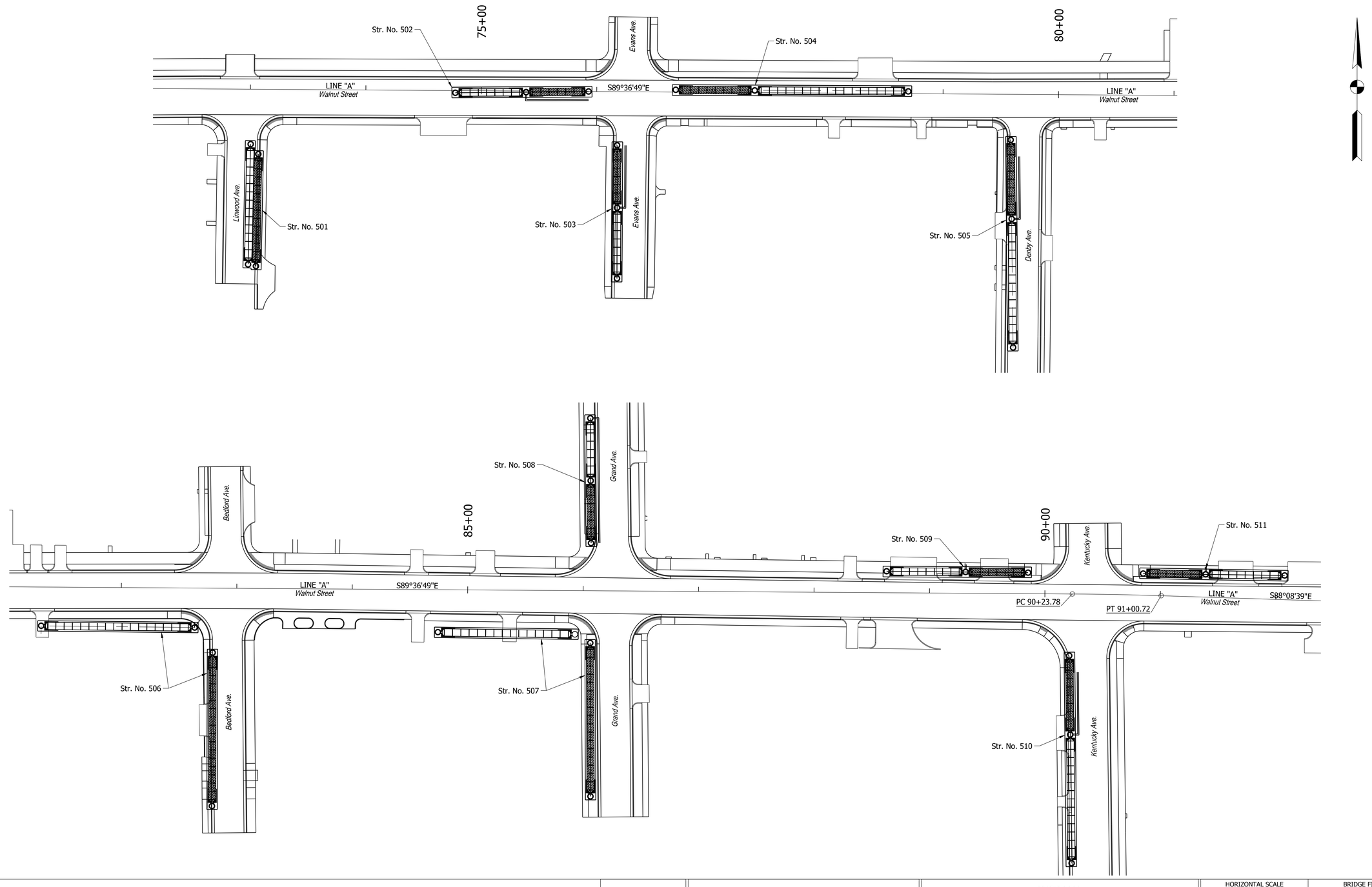


LEGEND

- CS Clear Space
- PC Pedestrian Clear Space
- TS Turning Space
- F Sidewalk, Concrete, 4"
- 15 Curb & Gutter, Concrete
- 17 Curb, Concrete
- 26 Sodding, Nursery
- R Concrete Curb Ramp, 9"
- S Detectable Warning Surface, Brick

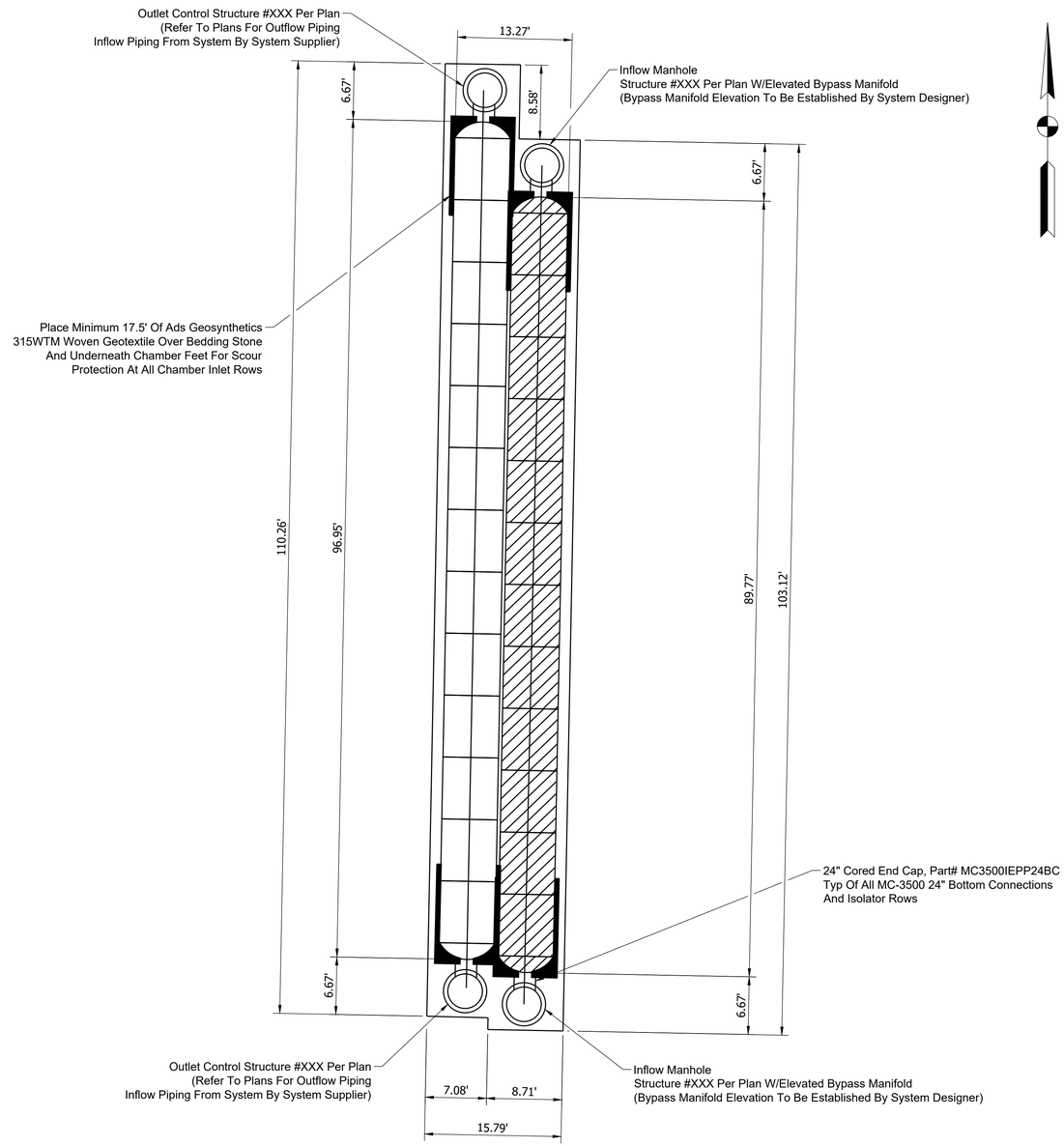
Date: Aug 22, 2022, 3:51pm User Name: dwayne
File: S:_2017\1170453\Road\CAD_Phase 3\Const Details\Curb Ramp Dts.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_' / BRIDGE FILE N/A
			VERTICAL SCALE _"=_' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CURB RAMP DETAILS KERTH AVENUE	SURVEY BOOK / SHEETS 134 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



Date: Aug 22, 2022, 3:51pm User Name: dwayne
File: S:_2017\17-043\Road\CAD_Phase 3\Detention Strs\Det_Strs Layout.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=40' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=40' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: VCH	DETENTION STRUCTURE DETAILS	SURVEY BOOK: / SHEETS: 135 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726



PROPOSED LAYOUT SYSTEM #501

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

Date: Aug 22, 2022, 3:51pm User Name: dwayne
File: S:_2017\117-0093\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

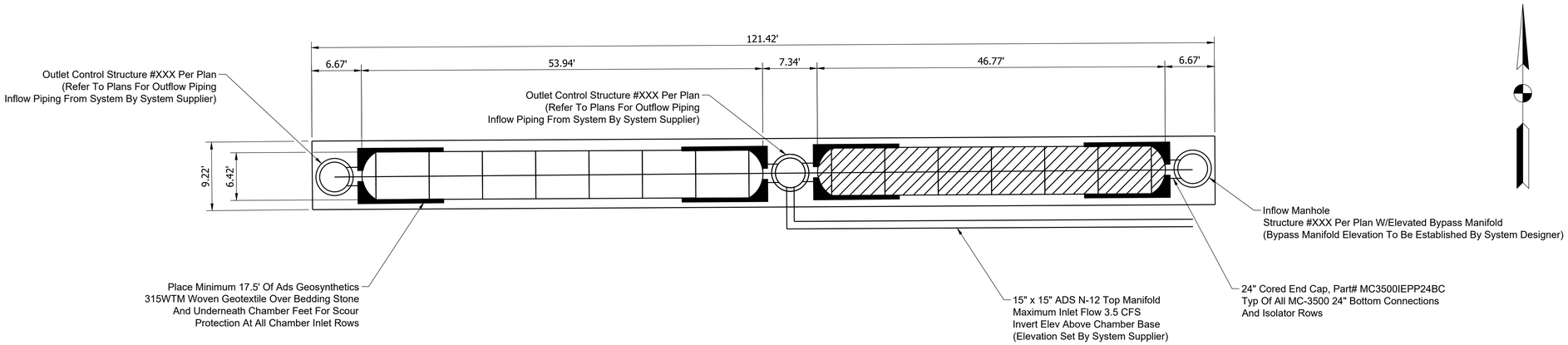
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 501 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	136 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #502

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:51pm User Name: dwayne
File: S:_2017\1126\49\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

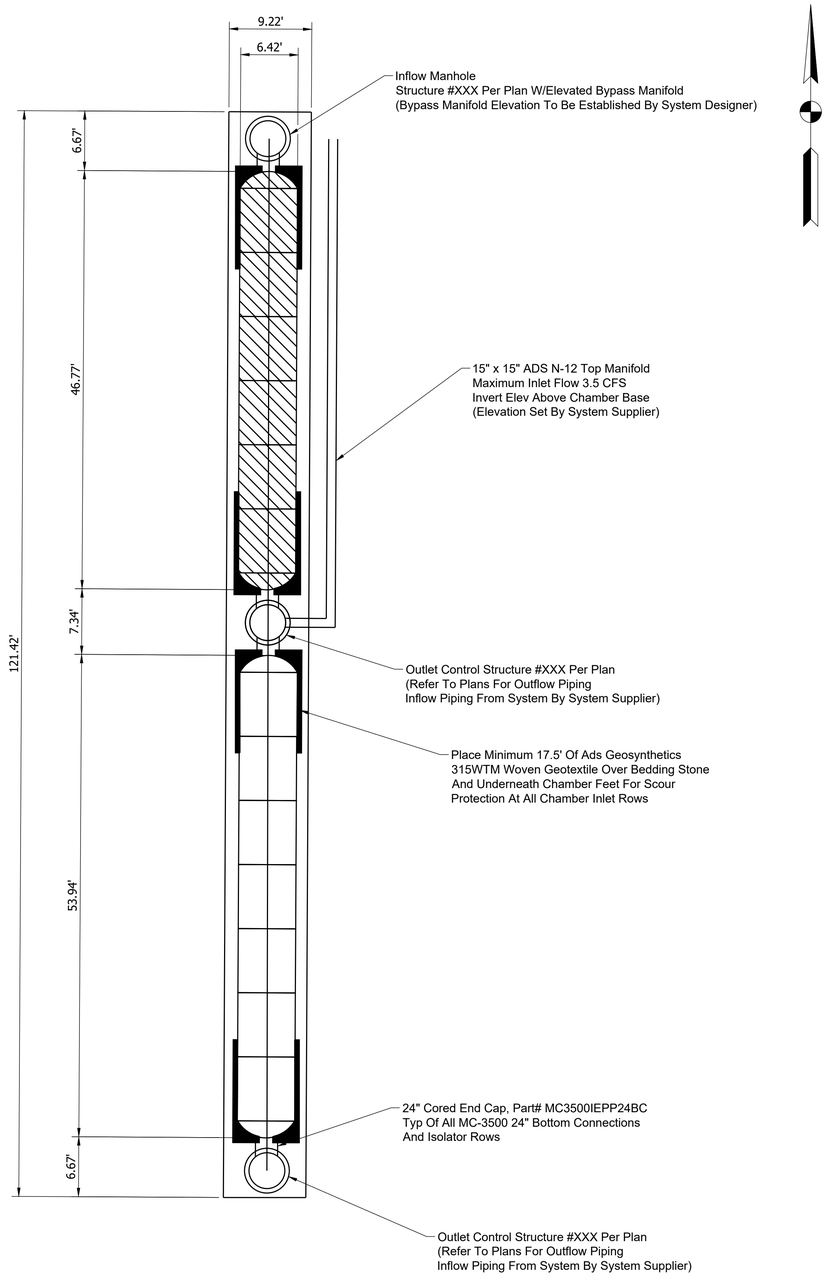
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 502 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	137 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #503

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

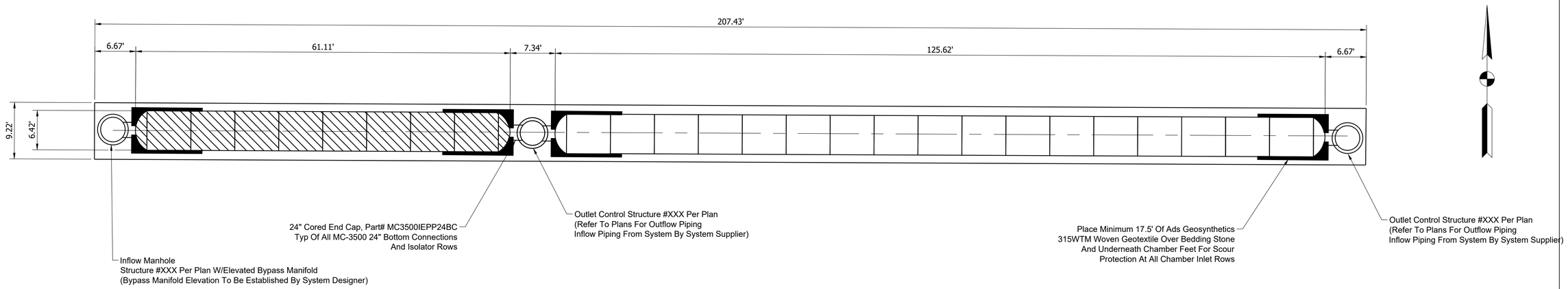
COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

Date: Aug 22, 2022, 3:51pm User Name: dwayne
File: S:_001\117-0049\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: DAS	DRAWN: VCH		DETENTION STRUCTURE NO. 503 DETAILS
CHECKED: JAW	CHECKED: JAF		

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	138 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #504

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1712649\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

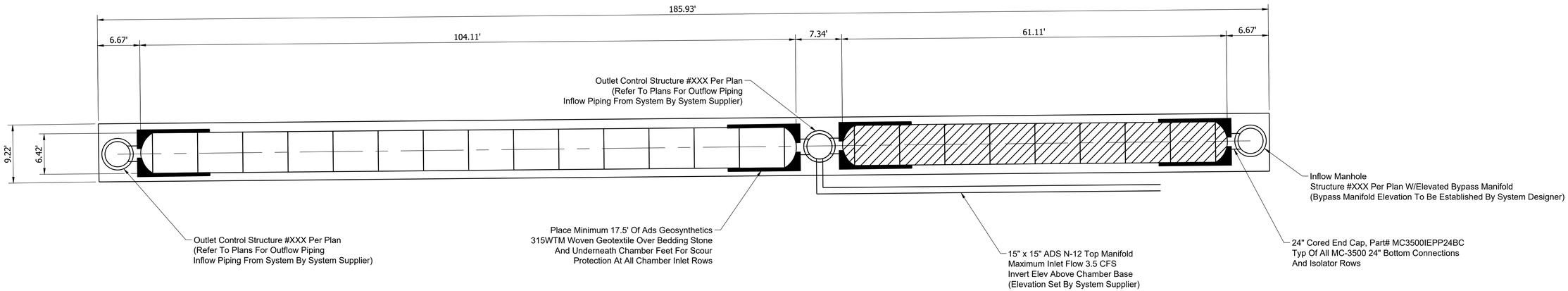
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 504 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	139 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #505

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

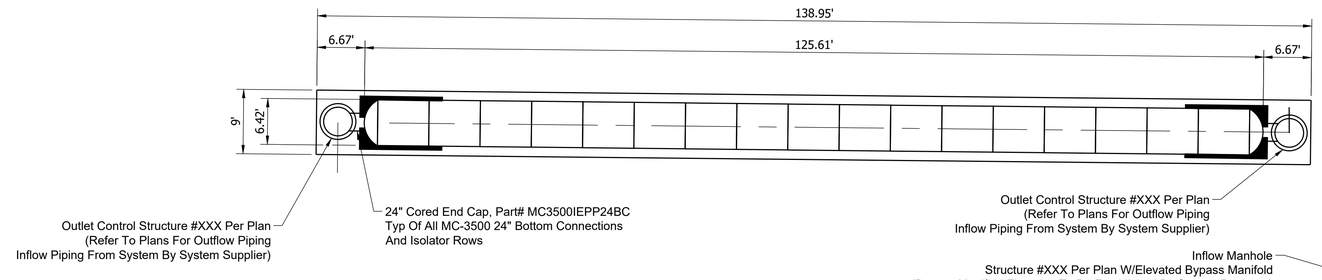
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

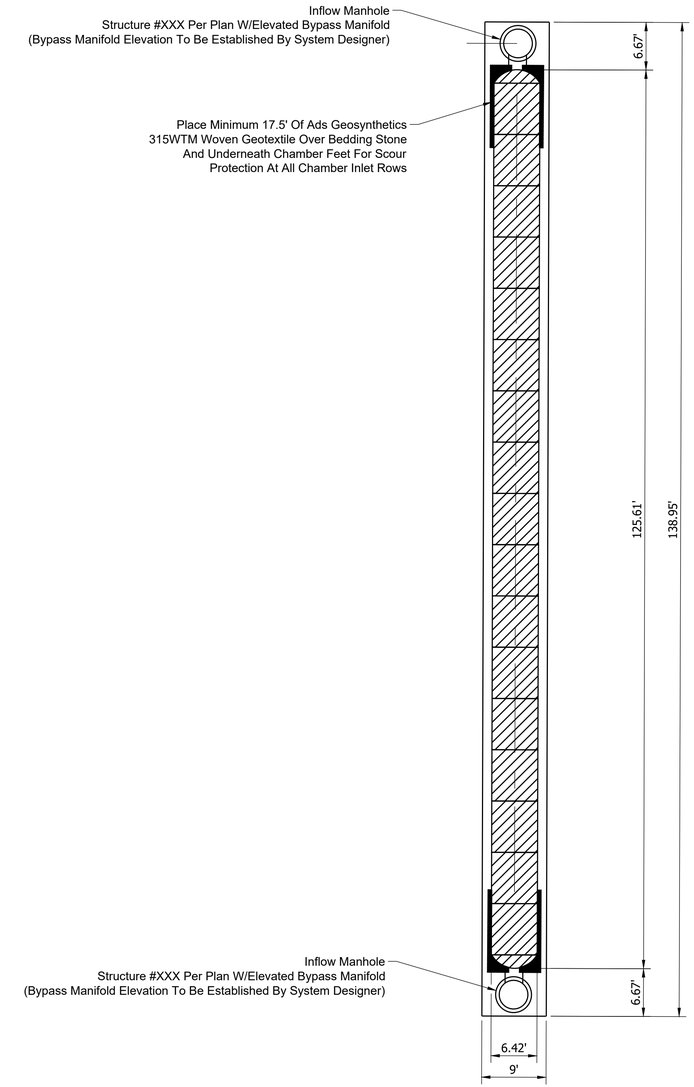
DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 505 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	140 of --
CONTRACT	PROJECT
R-41599	1801726





PROPOSED LAYOUT SYSTEM #506

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

PROPOSED ELEVATIONS

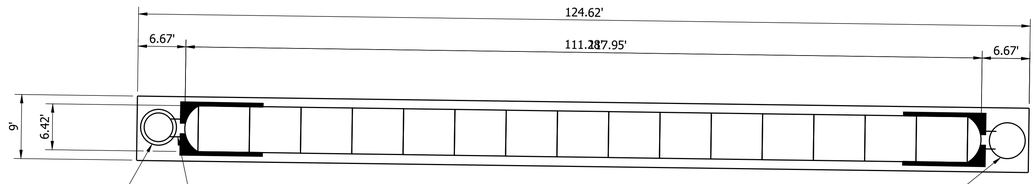
Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\17-043\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' / BRIDGE FILE N/A / VERTICAL SCALE 1"=10' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: VCH	DETENTION STRUCTURE NO. 506 DETAILS	SURVEY BOOK / SHEETS 141 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



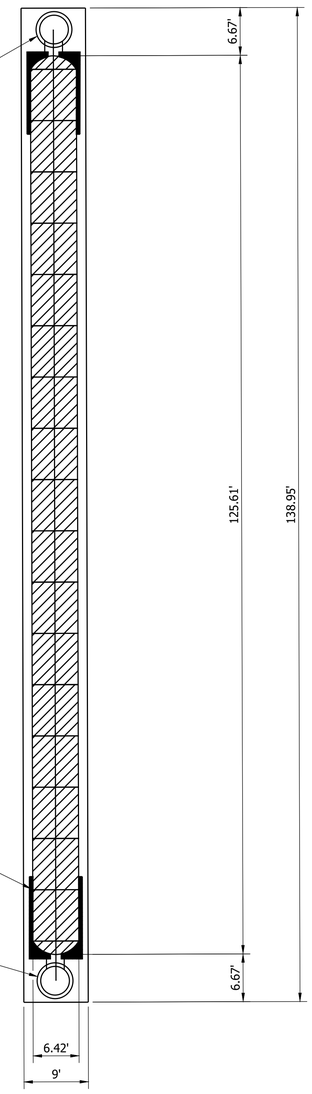
Outlet Control Structure #XXX Per Plan
(Refer To Plans For Outflow Piping
Inflow Piping From System By System Supplier)

24" Cored End Cap, Part# MC3500IEPP24BC
Typ Of All MC-3500 24" Bottom Connections
And Isolator Rows

Outlet Control Structure #XXX Per Plan
(Refer To Plans For Outflow Piping
Inflow Piping From System By System Supplier)

Inflow Manhole
Structure #XXX Per Plan W/Elevated Bypass Manifold
(Bypass Manifold Elevation To Be Established By System Designer)

PROPOSED LAYOUT SYSTEM #507
(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT



NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Place Minimum 17.5' Of Ads Geosynthetics
315WTM Woven Geotextile Over Bedding Stone
And Underneath Chamber Feet For Scour
Protection At All Chamber Inlet Rows

Inflow Manhole
Structure #XXX Per Plan W/Elevated Bypass Manifold
(Bypass Manifold Elevation To Be Established By System Designer)

PROPOSED ELEVATIONS

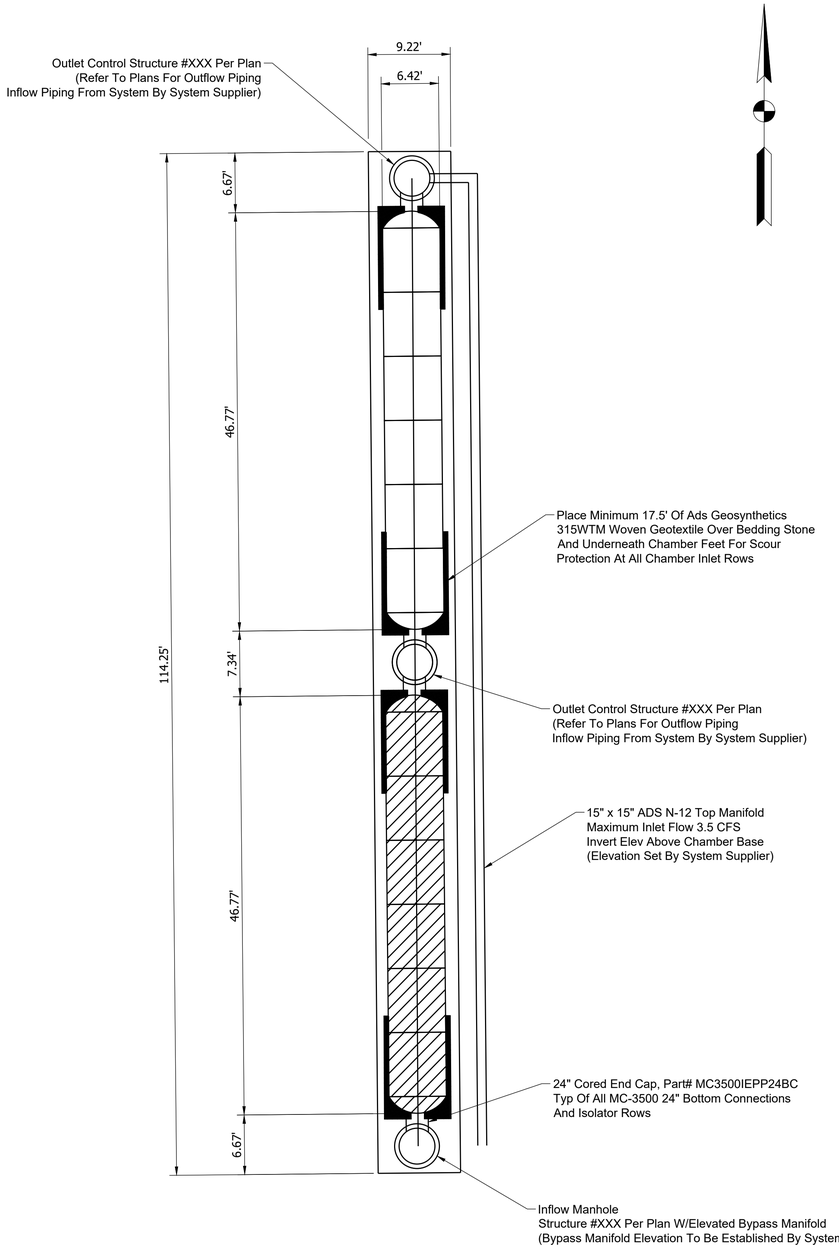
Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' / BRIDGE FILE N/A / VERTICAL SCALE 1"=10' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: VCH	DETENTION STRUCTURE NO. 507 DETAILS	SURVEY BOOK / SHEETS 142 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



PROPOSED LAYOUT SYSTEM #508

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1\-0943\Road\CAD_Phase 2\Detention Strs\Det_Strs.dwg

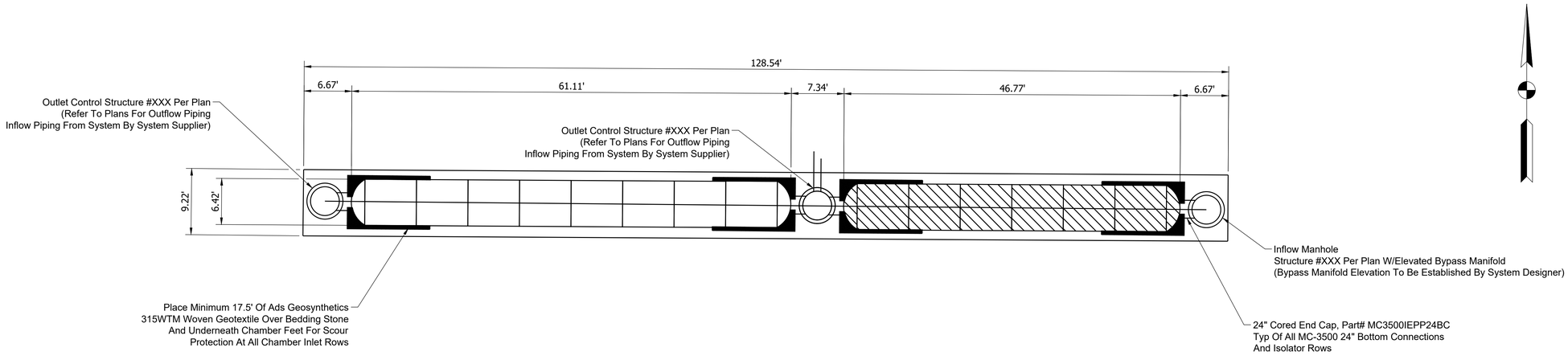
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 508 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	143 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #509

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1712649\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

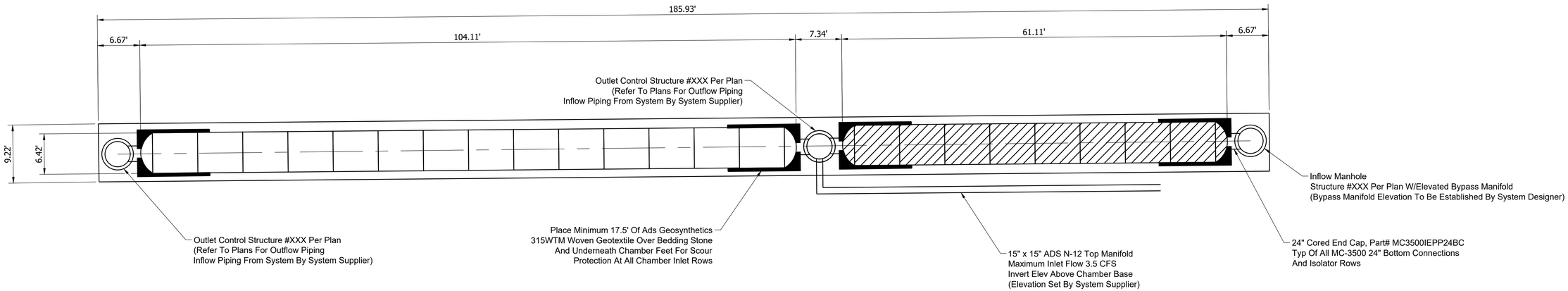
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 509 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	144 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #510

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

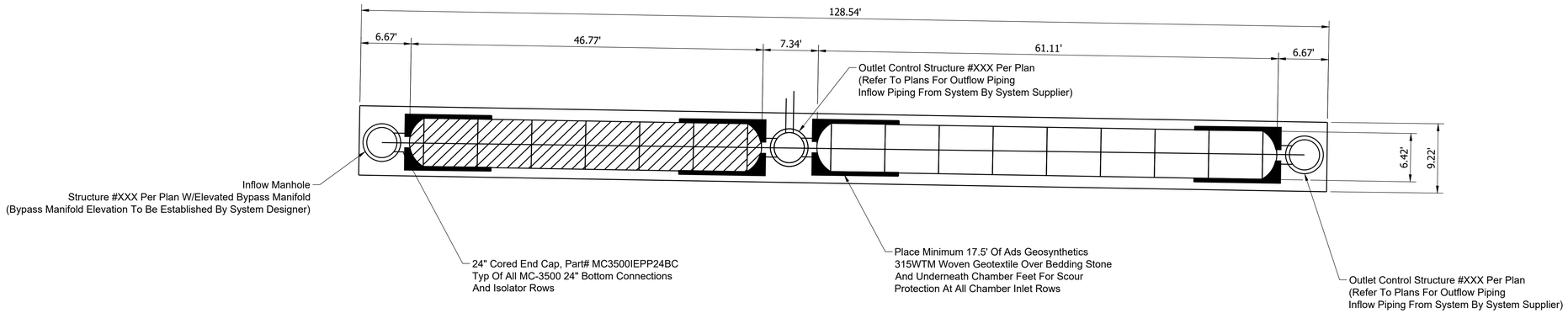
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 510 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	145 of --
CONTRACT	PROJECT
R-41599	1801726



PROPOSED LAYOUT SYSTEM #511

(XX) StormTech MC-3500 Chambers
(X) StormTech MC-3500 End Caps
Installed With 12" Cover Stone, 9" Base Stone, 40% Stone Void
Installed System Volume: XXXX CF (perimeter Stone Included)
Area Of System: X,XXX FT²
Perimeter Of System: XXX FT

PROPOSED ELEVATIONS

Maximum Allowable Grade (Top Of Pavement/Unpaved):	(----)
Minimum Allowable Grade (Unpaved With Traffic):	(----)
Minimum Allowable Grade (Unpaved No Traffic):	(----)
Minimum Allowable Grade (Base Of Flexible Pavement):	(----)
Minimum Allowable Grade (Top Of Rigid Concrete Pavement):	(----)
Top Of Stone:	XXX.XX
Top Of Chamber:	XXX.XX
15" Top Manifold Invert:	XXX.XX
24" Isolator Row Invert:	XXX.XX
18" Bottom Manifold/Connection Invert:	XXX.XX
Bottom Of Chamber:	XXX.XX
Bottom Of Stone:	XXX.XX

COVER NOTES

The system supplier shall be the final designer of the underground system.
If necessary the system supplier shall obtain any soils information necessary to properly design the system.
The critical cover limitations and parameters for which the manufacturer's system will operate without collapse or failure shall be known to the contractor and published on the drawings.
The system supplier shall have a representative onsite at the onset of the project to fully educate the contractor as to proper installation procedures. The contractor shall provide a document to the owner stating that they are an authorized installer of their system.
All materials to be used for backfill and the procedures to install them as recommended by the system supplier must be in accordance with the system suppliers requirements.
The final designer of the system is to be the system supplier. Their final approved shop drawings shall be used to construct the system. Any deviation found in materials or installation procedures between the owners engineer's drawings and the system supplier's drawings must be brought to the attention of the owner prior to installing the system. At that time the owner's engineer and the system supplier will consult and follow with written directions to the contractor as to how to proceed.

NOTES

- Manifold size to be equal to the largest pipe entering the inflow manhole.
- Due to the adaptation of this chamber system to specific site and design constraints, it may be necessary to cut and couple additional pipe to standard manifold components in the field.
- All piping necessary to connect the inflow and outflow manholes the the collection system shall be included in the cost of the chamber system. None of this incidental piping is included in the quantities shown on the plans and in the Structure Data Table. The manholes themselves are included in the Structure Data Table.
- the system supplier must acquaint themselves with each individual chamber system with regards to required cover limits and structural constraints within the system parameters . The submitted shop drawings must review elevations and if necessary make the owner aware through the shop drawing process what if any changes are necessary to ensure the chamber cover requirements are met.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\Detention Strs\Det_Strs.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

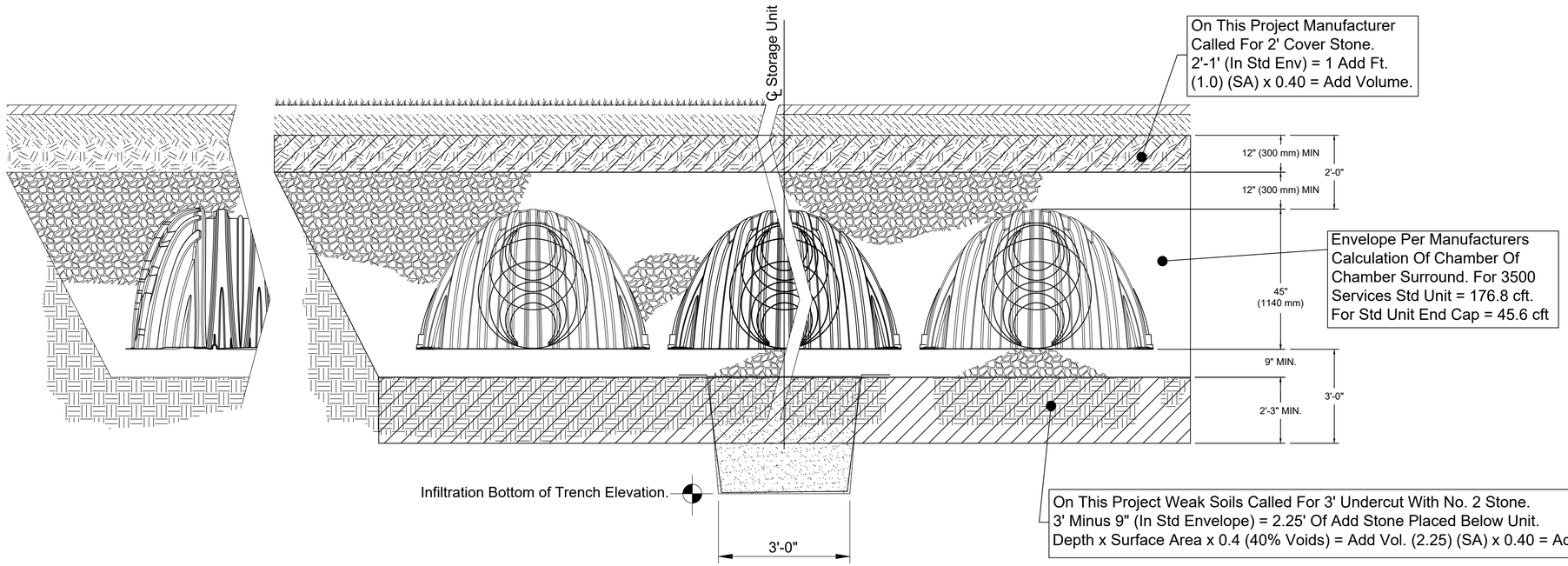
DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

DETENTION STRUCTURE NO. 511 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0	N/A
VERTICAL SCALE	DESIGNATION
1/8"=1'-0	1801726
SURVEY BOOK	SHEETS
	146 of --
CONTRACT	PROJECT
R-41599	1801726

RECORD DRAWING FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS



LEGEND
SA = Surface Area

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:\L2017\17-0049\Road\CAD_Phase 3\Detention Strs\Det_Dtls.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: NOT TO SCALE	BRIDGE FILE: N/A
		VERTICAL SCALE: NOT TO SCALE	DESIGNATION: 1801726
DESIGNED: DAS / DRAWN: VCH	STORM WATER STORAGE CHAMBER DETAILS	SURVEY BOOK:	SHEETS: 147 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT: R-41599	PROJECT: 1801726

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

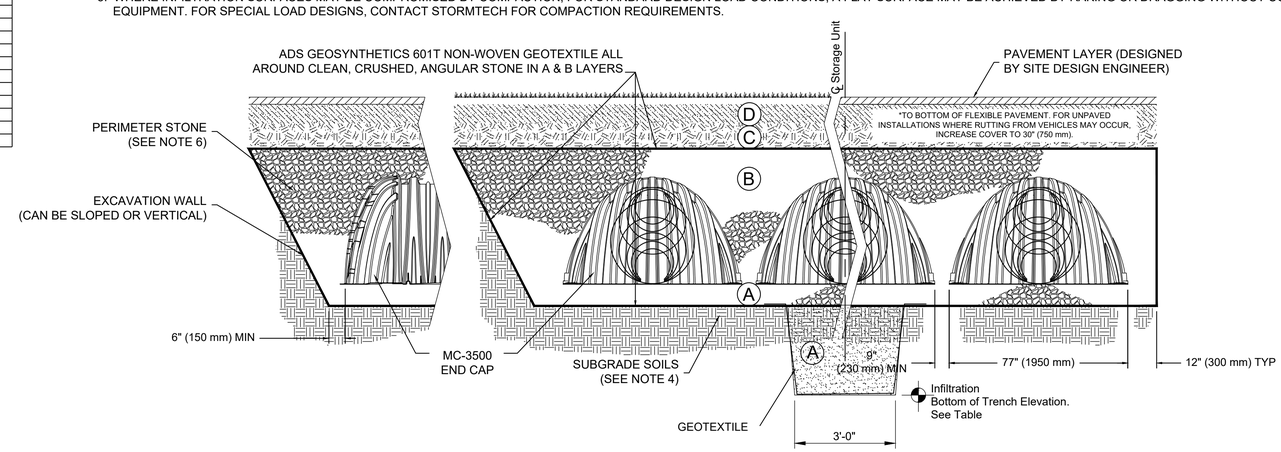
MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2] [3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

Unit #	Isolator Row Invert Floor Elev.	Approx. Sand Elev.	Bottom Infiltration Elev.
1	377.00	* 376.0±	374.00
2	373.00	379.2±	NTR
3	373.00	379.1±	NTR
4	373.00	379.1±	NTR
5	375.00	379.0±	NTR
6	377.00	379.8±	NTR
7	376.00	376.8±	374.80
8	379.00	380.0±	378.00
9	379.00	380.3±	378.30
10	379.80	380.5±	378.50
11	377.00	377.5±	375.50
12	377.00	378.5±	376.50
13	380.00	* 377.0±	375.00
14	375.00	379.6	NTR
15	379.00	377.5	375.50
16	378.50	377.8±	375.80
17	377.50	377.2±	375.20
18	376.40	375.25±	373.25
19	(not used)		
20	(not used)		
21	376.00	376.8±	374.80

NTR= No Trench Required

* No Sand Shown in Boring @ Full Depth of Boring=10'



Supplier Shall Verify That Cover Depth Shown on Plans Does Not Exceed Max Allowed. ANY ADDITIONAL COST FOR SYSTEM DESIGN AND PERFORMANCE SHALL BE INCLUDED IN THE BID.

Any System on Plans Showing Depth Exceeding Max Allowable or Other Conditions That Might Not Allow the Unit to Perform Adequately Shall Be Brought to the Attention of the OWNER Prior to Installing the Product.

LOW SOIL BEARING VALUES ARE EXPECTED AND MUST BE VERIFIED BY THE BIDDER. ANY SUBGRADE PREPARATION COST SHALL BE INCLUDED IN THE BID.

SOIL PRESSURES AS LOW AS 1200PSF. TO 1500 PSF. MAY BE REALIZED.

NO ADDITIONAL COMPENSATION WILL BE GIVEN BY THE OWNER SHOULD IT BE DETERMINED LATER THAT ADDITIONAL SOIL REMEDIATION IS REQUIRED.

TOTAL PRODUCT PERFORMANCE IS THE OBJECTIVE OF THIS SYSTEM DESIGN AND CERTIFICATION TO BE BID.

NOTES:

1. MC-3500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SYSTEM SUPPLIER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
   PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\Detention Stns\Det_Dtls.dwg

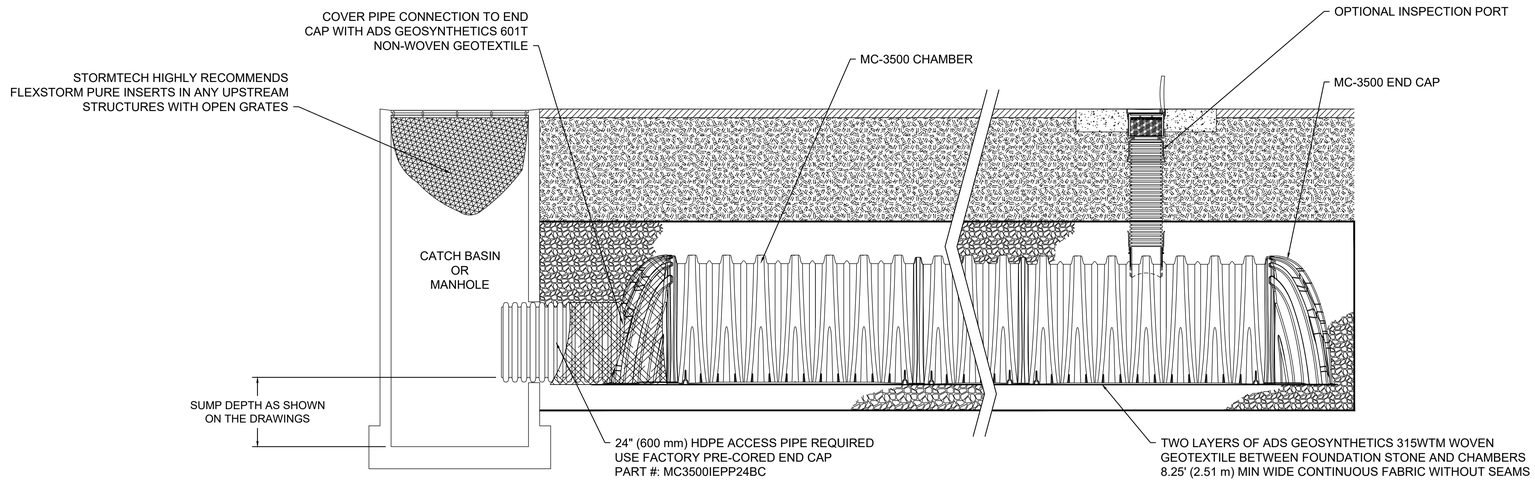
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: VCH
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

STORM WATER STORAGE CHAMBER DETAILS

HORIZONTAL SCALE	BRIDGE FILE
NOT TO SCALE	N/A
VERTICAL SCALE	DESIGNATION
NOT TO SCALE	1801726
SURVEY BOOK	SHEETS
	148 of --
CONTRACT	PROJECT
R-41599	1801726



MC-3500 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

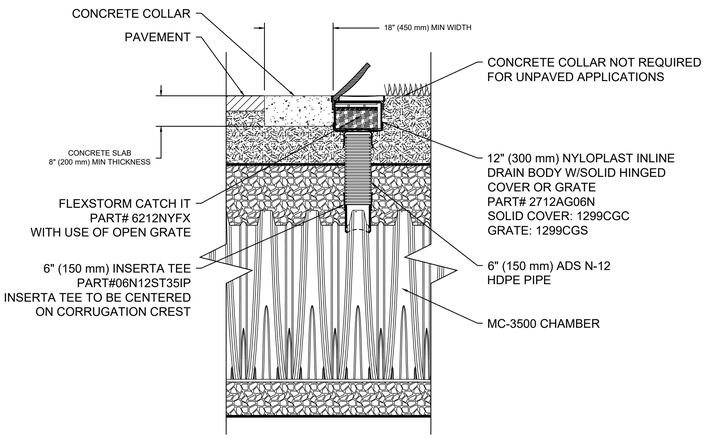
STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



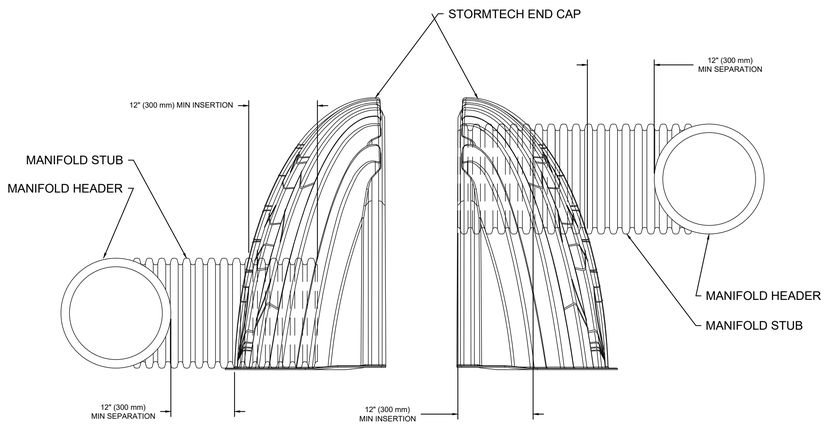
MC-3500 6" INSPECTION PORT DETAIL
NTS

Date: Aug 22, 2022, 3:32pm User Name: dwayne
File: S:_2017\1172406\Road\CAD_Phase 3\Detention Strs\Det_Dtls.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: NOT TO SCALE; VERTICAL SCALE: NOT TO SCALE; BRIDGE FILE: N/A; DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: VCH	STORM WATER STORAGE CHAMBER DETAILS	SURVEY BOOK: ; SHEETS: 149 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599; PROJECT: 1801726

MC-SERIES END CAP INSERTION DETAIL

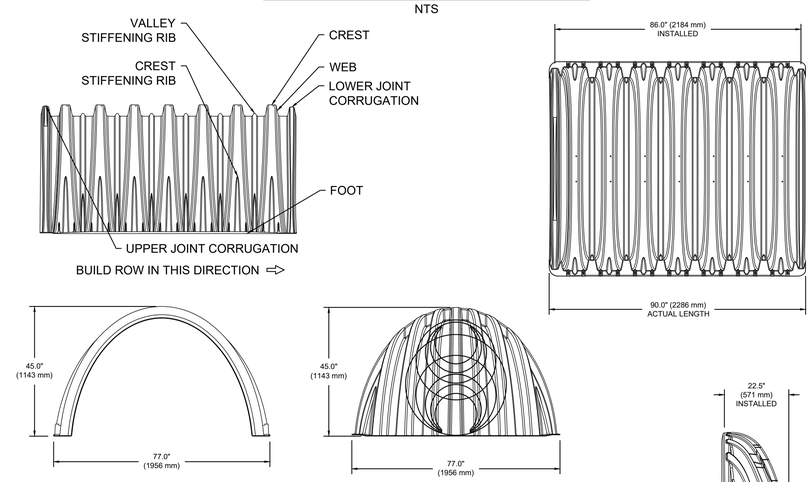
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m^3)
MINIMUM INSTALLED STORAGE*	178.9 CUBIC FEET	(5.06 m^3)
WEIGHT	135.0 lbs.	(61.2 kg)

NOMINAL END CAP SPECIFICATIONS

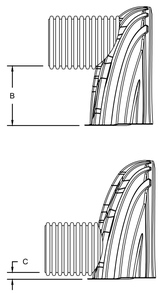
SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 22.5"	(1956 mm X 1143 mm X 571 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m^3)
MINIMUM INSTALLED STORAGE*	46.0 CUBIC FEET	(1.30 m^3)
WEIGHT	50.0 lbs.	(22.7 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B		---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B		---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B		---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B		---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B		---	1.50" (38 mm)
MC3500IEPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500IEPP18BC		---	1.77" (45 mm)
MC3500IEPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP24BC		---	2.06" (52 mm)
MC3500IEPP30BC	30" (750 mm)	---	

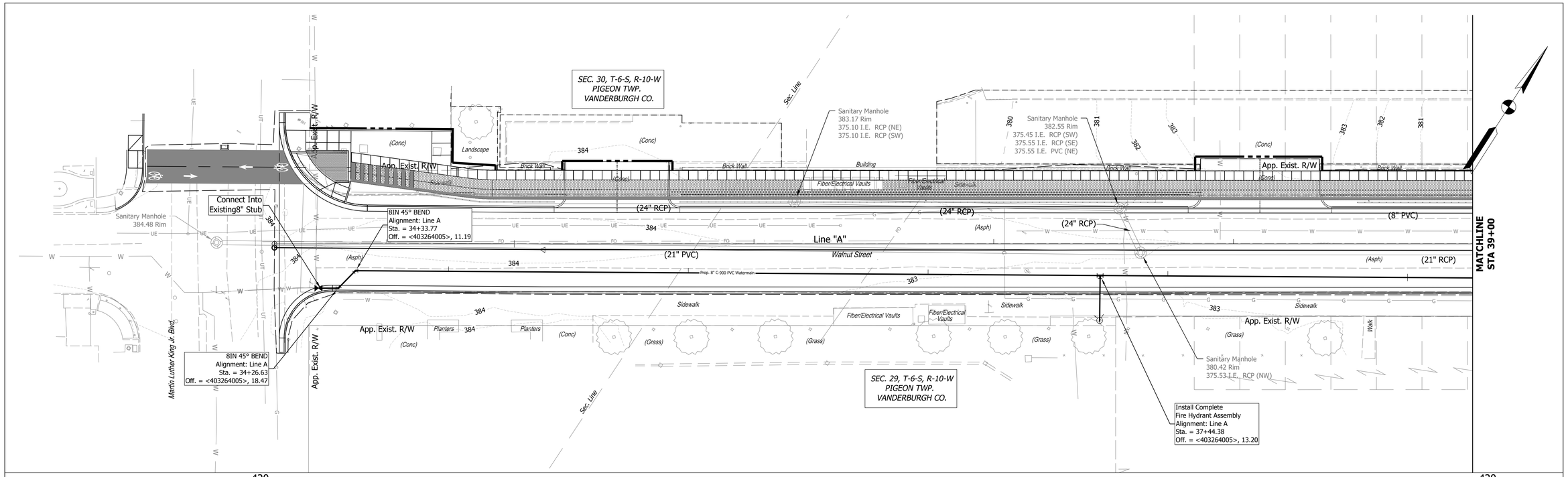
NOTE: ALL DIMENSIONS ARE NOMINAL

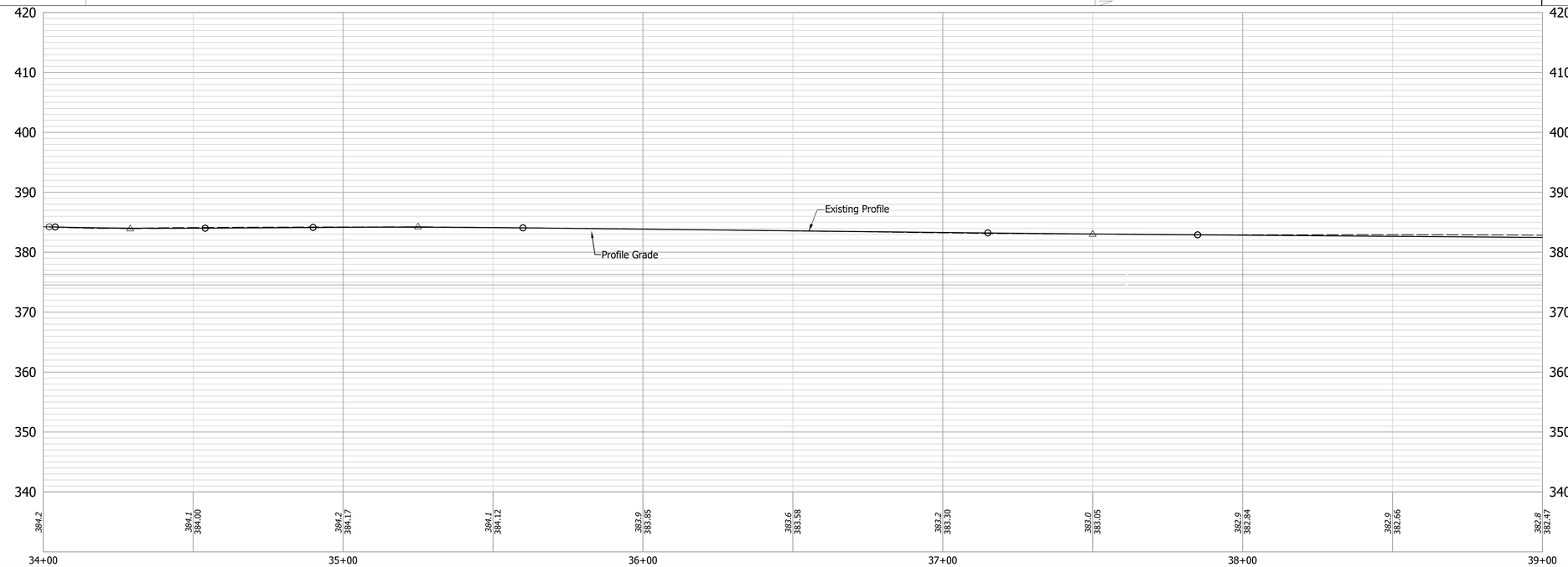


CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS.
CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm)
THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHTEST POSSIBLE FOR THE PIPE SIZE.

Date: Aug 22, 2022, 3:52pm User Name: dwayne
File: S:_2017\17-009\Road\CAD_Phase 3\Detention Stys\Det_Dtls.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: NOT TO SCALE	BRIDGE FILE: N/A
		VERTICAL SCALE: NOT TO SCALE	DESIGNATION: 1801726
DESIGNED: DAS / DRAWN: VCH	STORM WATER STORAGE CHAMBER DETAILS	SURVEY BOOK	SHEETS: 150 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT: R-41599	PROJECT: 1801726





Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

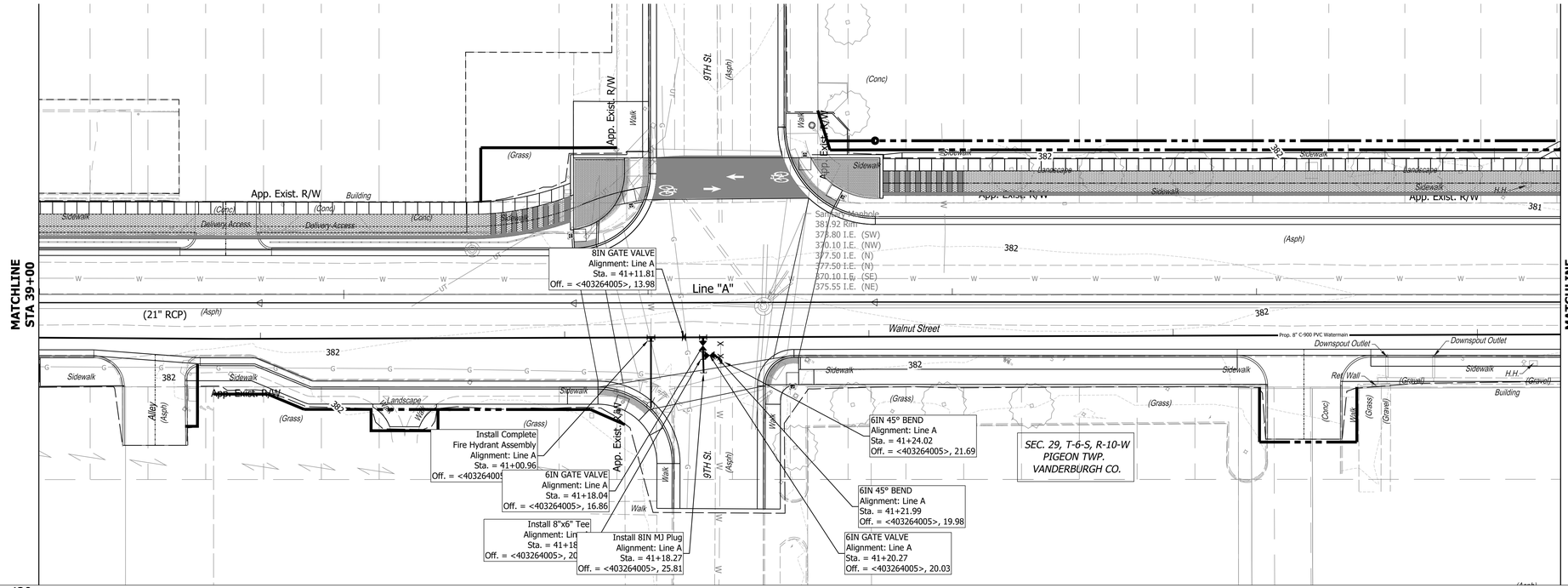
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

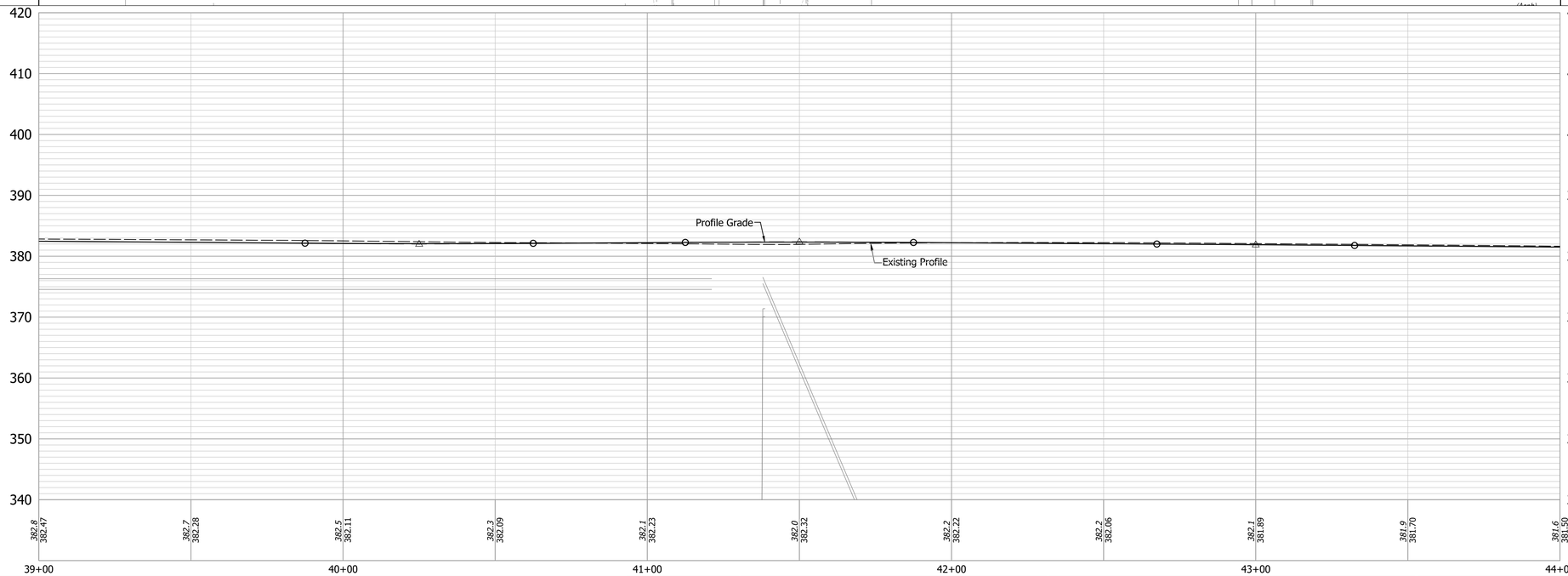
INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 34+00 TO STA 39+00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	151 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:11pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PH3 Water Main Plan Profile 34+00-59+00.dwg





Date: Aug 22, 2022, 3:12pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PH3 Water Main Plan Profile 34+00-59+00.dwg

Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

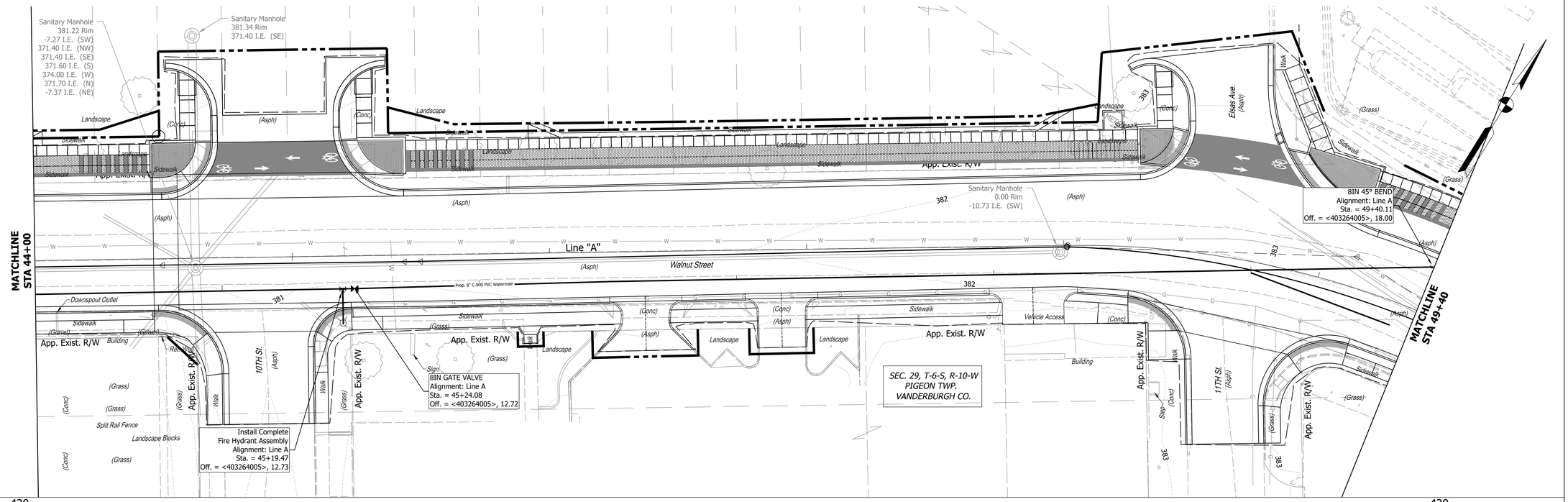
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

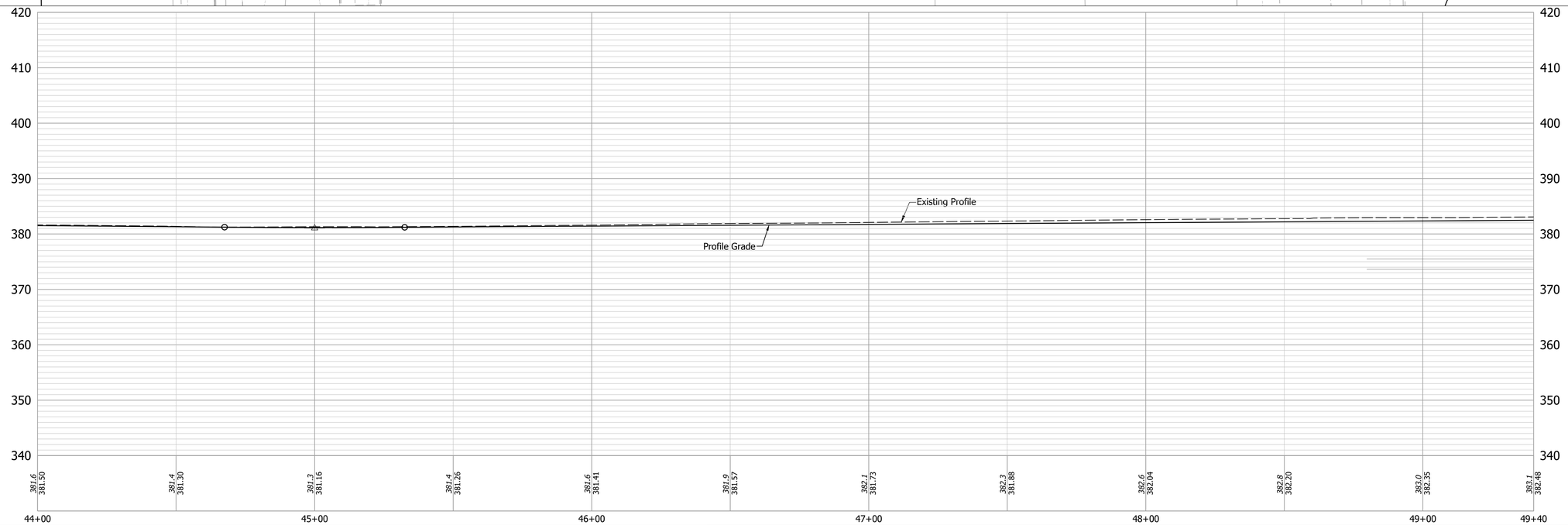
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 39+00 TO STA 44+00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	152 of --
CONTRACT	PROJECT
R-41599	1801726





Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

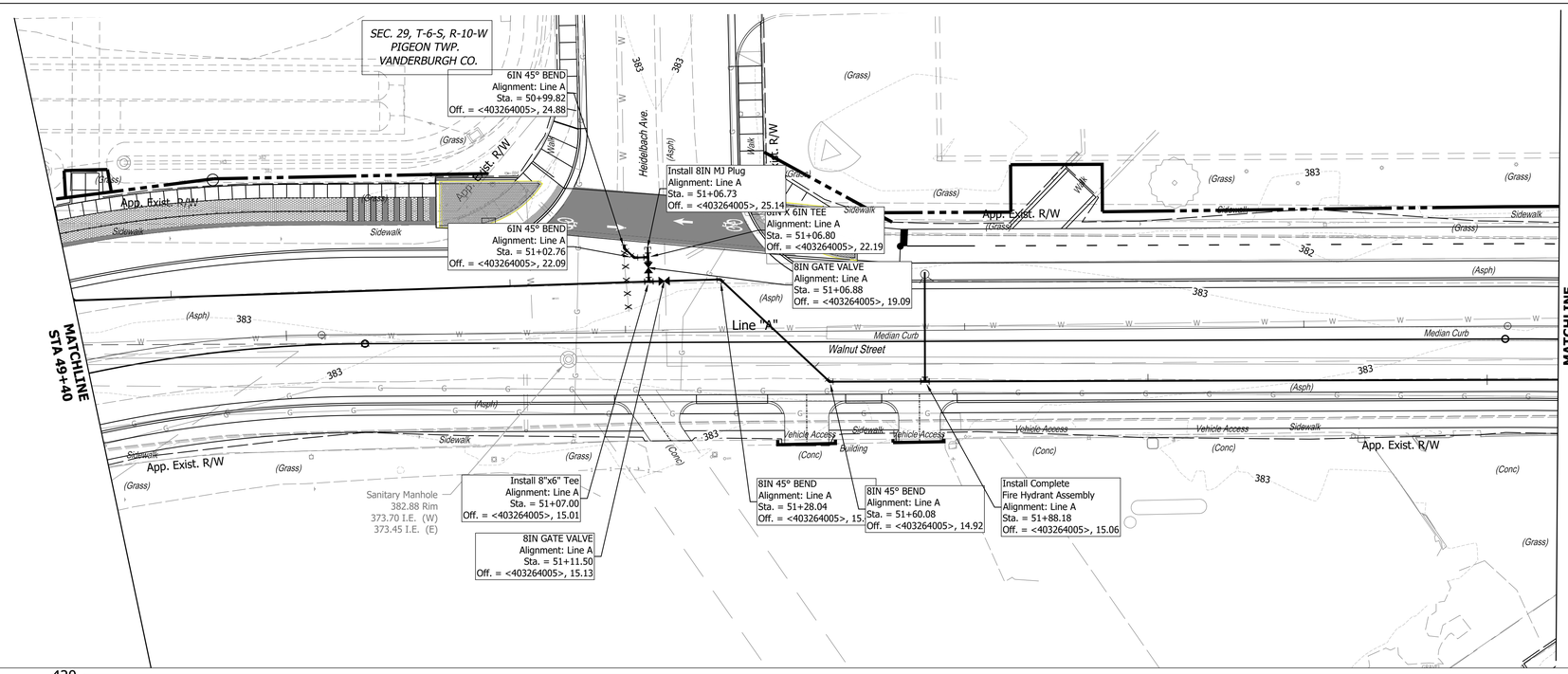
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

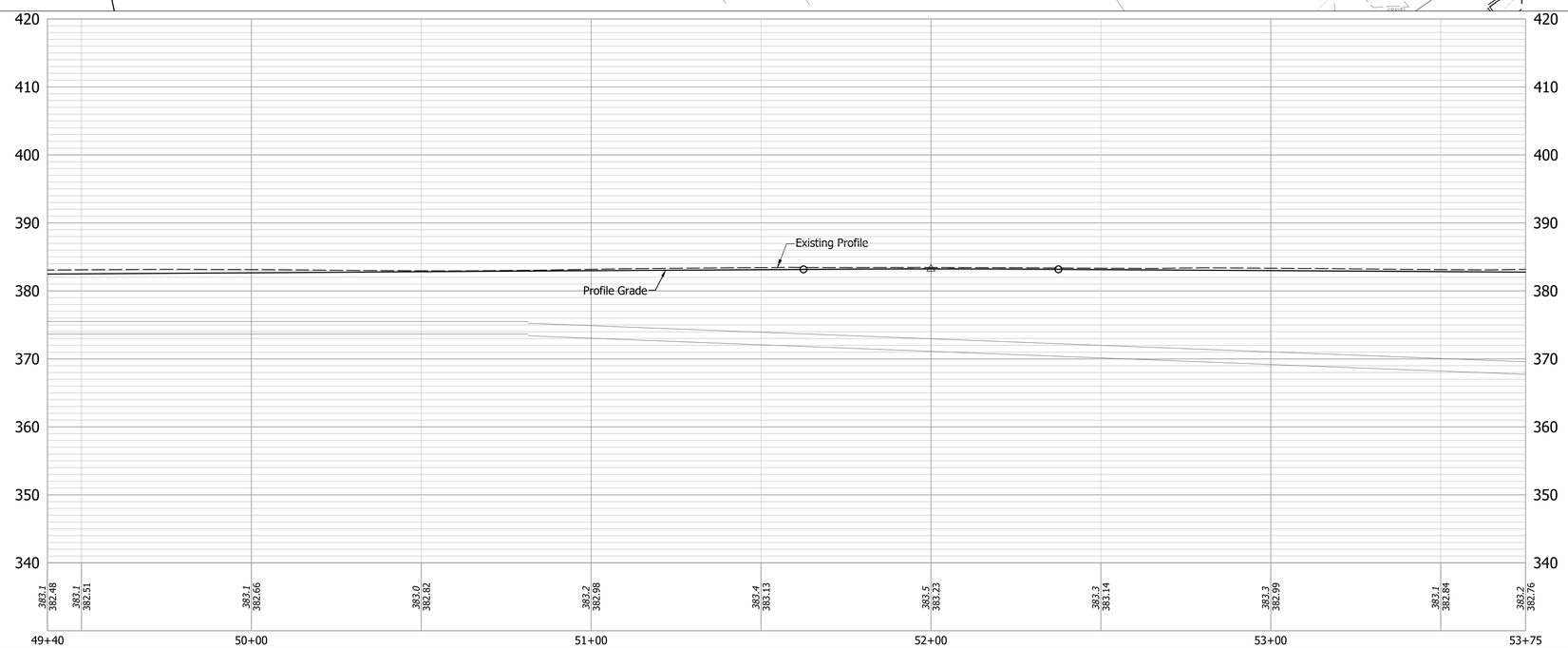
INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 44+00 TO STA 49+00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	153 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:14pm User Name: dwayne
File: S:_2017\117-00431\R\CAD\Plans\PR3 Water Main Plan Profile 34+00-59+00.dwg





Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

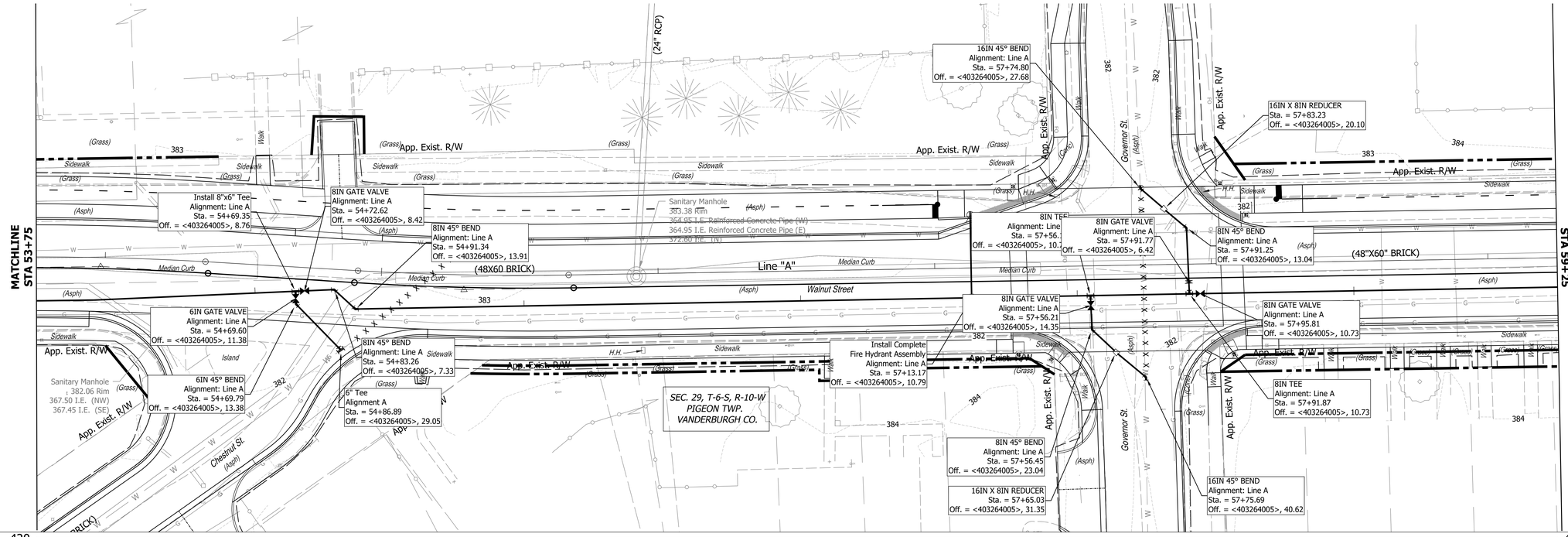
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

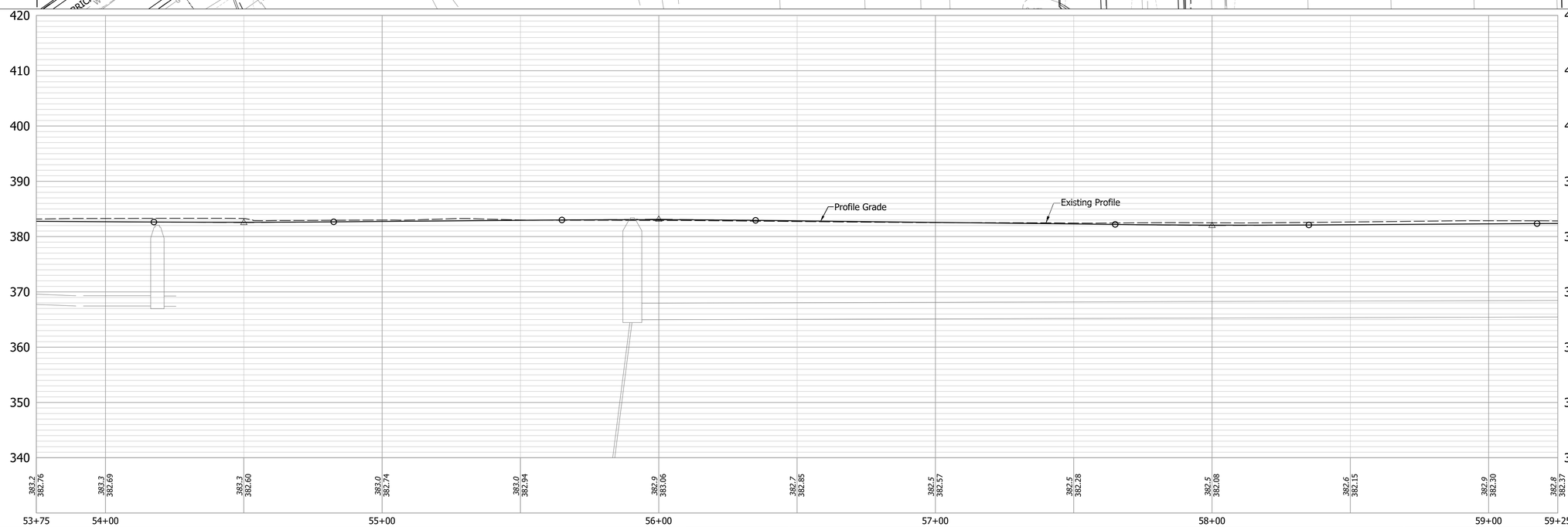
INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 49+00 TO STA 53+75

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	154 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:15pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PR3 Water Main Plan Profile 34+00-59+60.dwg





Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

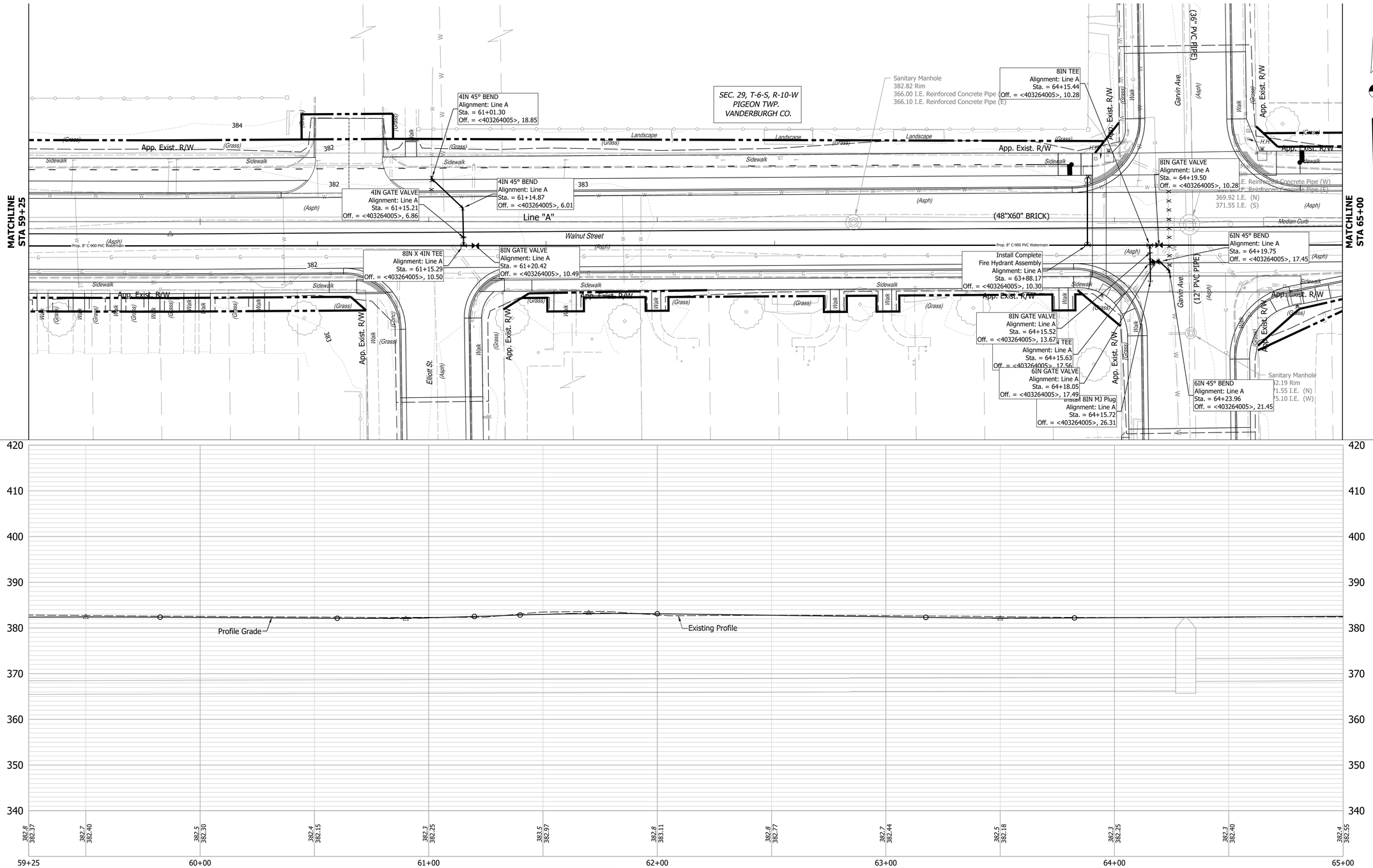
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 53+75 TO STA 59+25

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	155 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:17pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PR3 Water Main Plan Profile 34+00-59+00.dwg



Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

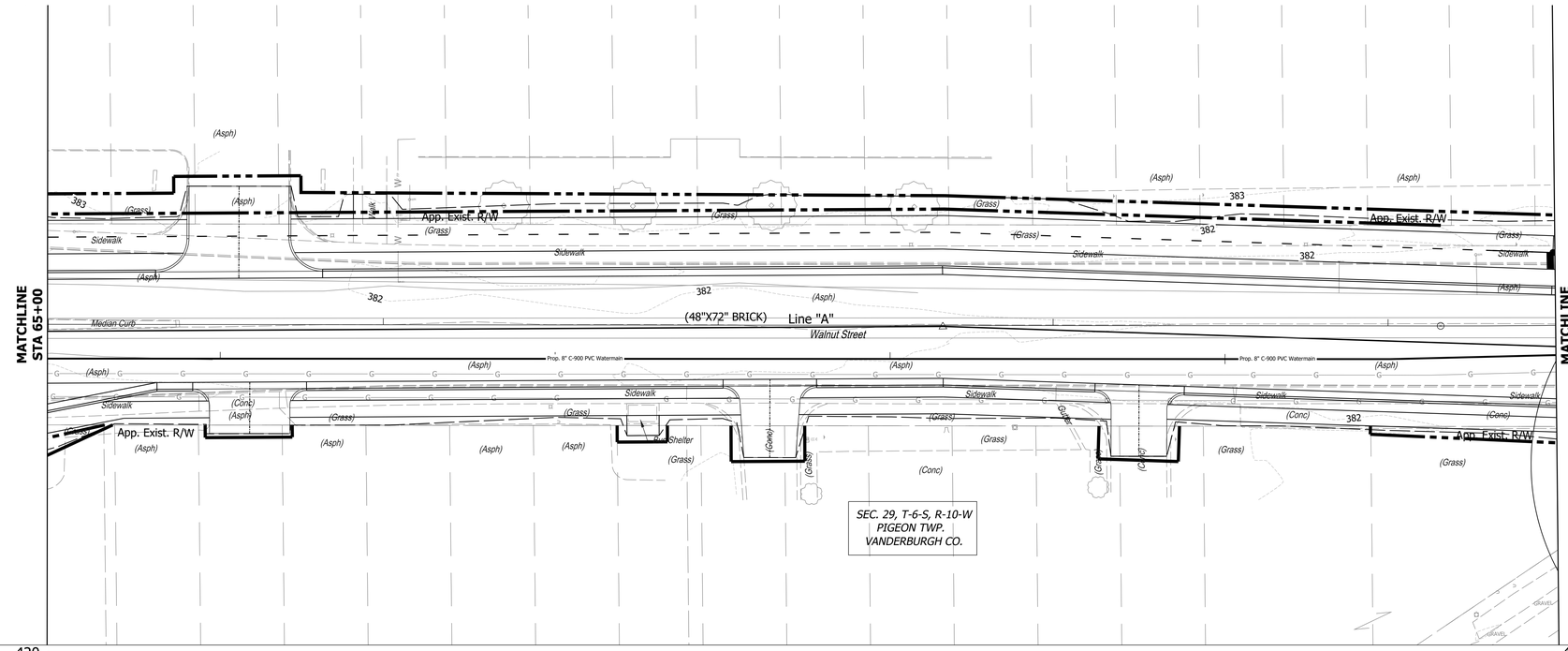
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

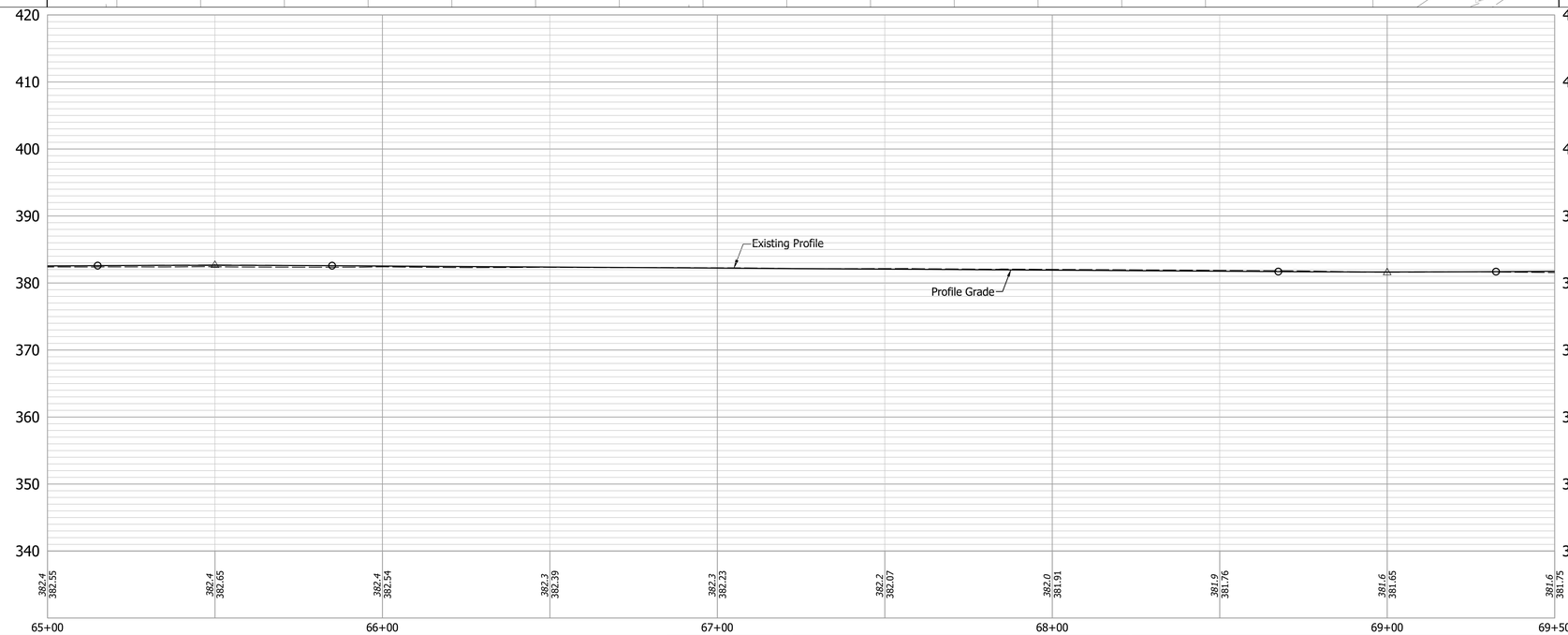
INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 59+25 TO STA 65+00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	156 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:18pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PR3 Water Main Plan Profile 34+00-59+00.dwg





Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

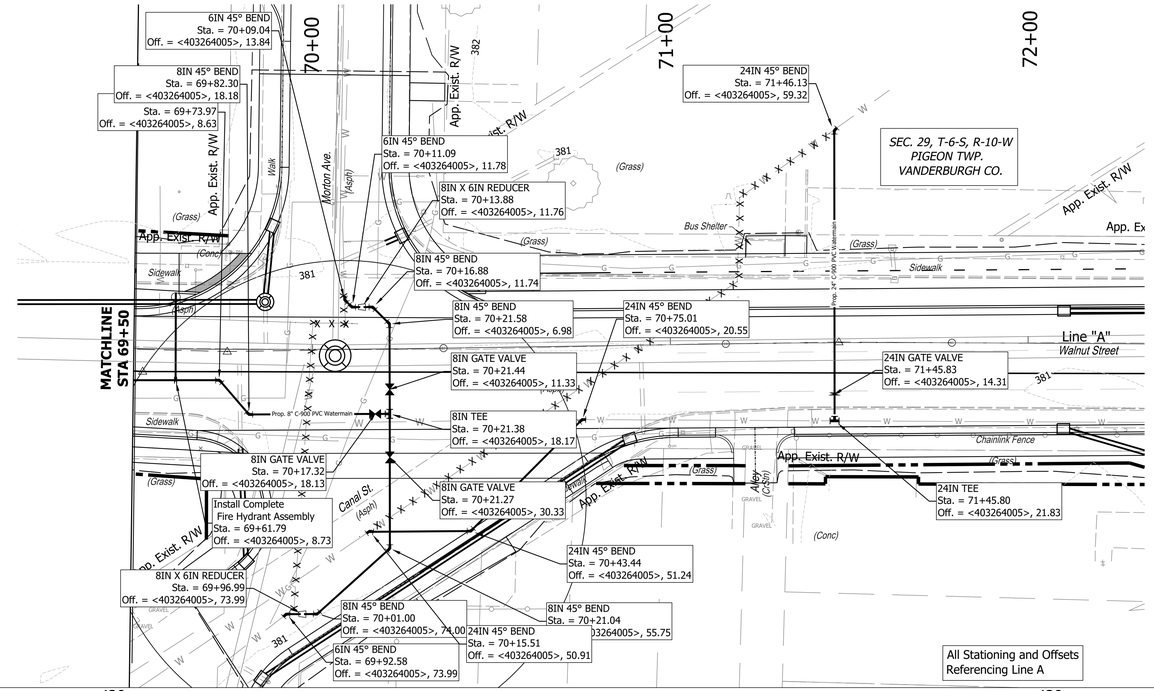
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

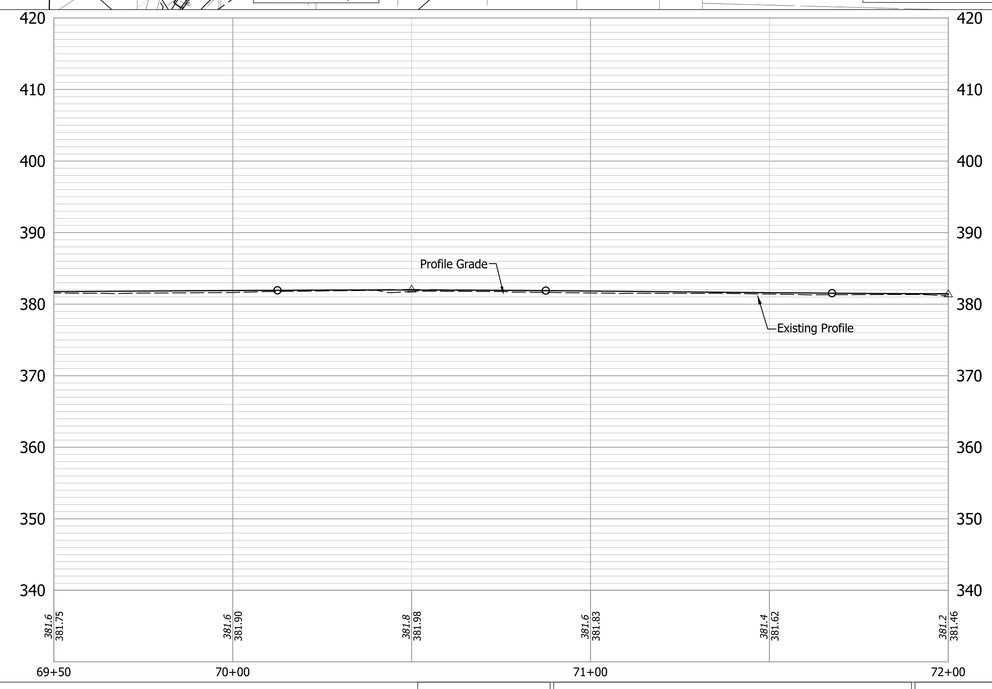
POTABLE WATER PLAN & PROFILE
STA. 65+00 TO STA 69+50

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	157 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:20pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\PR3 Water Main Plan Profile 34+00-59+60.dwg



Note:
Archaeological Monitoring Required
During All Excavation in the Area of
the Wabash Erie Canal.



Notes:

All Stationing off Line "PR-A" Unless Otherwised Noted.
Station/Offset Topo Notes, References & Benchmarks Described from Line "A".
See Geometric Tie-Up Sheet for Line "A" & "PR-A" Alignment Information.
For R/W Information, See Construction Detail Sheets.
For All Driveway Types & Information, See Construction Detail Sheets.
For Structure Notes & Additional Structure Information, See Construction Detail Sheet.
For Property Owner Information, See Plat No. 1 and Construction Detail Sheets.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

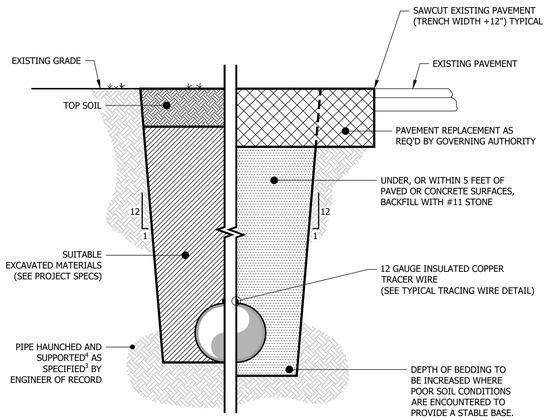
DESIGNED: TJR DRAWN: TJR
CHECKED: AS CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

POTABLE WATER PLAN & PROFILE
STA. 69+50 TO STA 72+00

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	158 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:22pm User Name: dwayne
File: S:_2017\117-00431\R\CAD\Plans\PR3 Water Main Plan Profile 69+50 and Mischellaneous Profiles.dwg

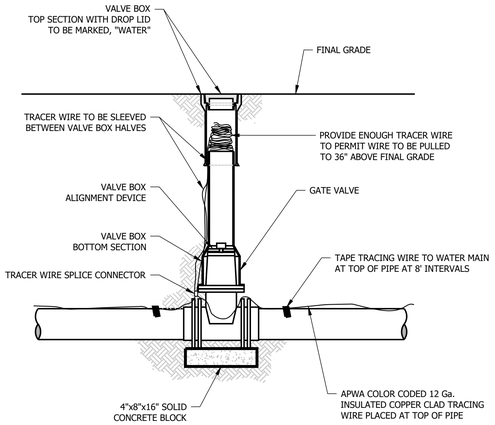


NOTES:

1. 4" TO 16" C900 OR DUCTILE IRON PIPE.
2. SEE PLAN AND PROFILE FOR DEPTH OF COVER. MAINTAIN 48" MINIMUM.
3. MATERIALS SHALL EXCLUDE ORGANICS AS DEFINED BY ASTM D2321, CLASS V.
4. PIPE TO BE SUPPORTED ALONG THE ENTIRE LENGTH BY A FIRM TRENCH BOTTOM OR BEDDING.

TYPICAL WATER MAIN TRENCH

Scale: NTS

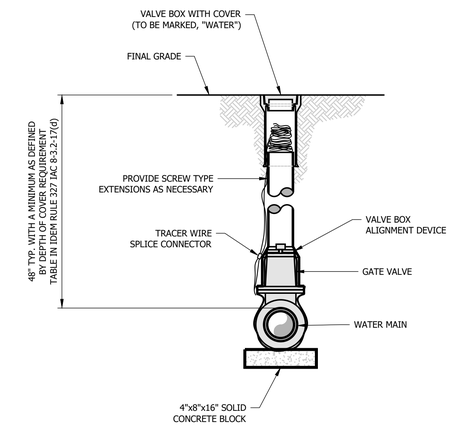


NOTE:

USE SPLICE CONNECTORS TO ALLOW TRACING WIRE TO BE LOCATED IN ALL REQUIRED DIRECTIONS IN CASES WHERE WATER MAINS CONNECT AT TEES, JUNCTIONS, ETC.

DW-02 TRACING WIRE DETAIL

Scale: NTS

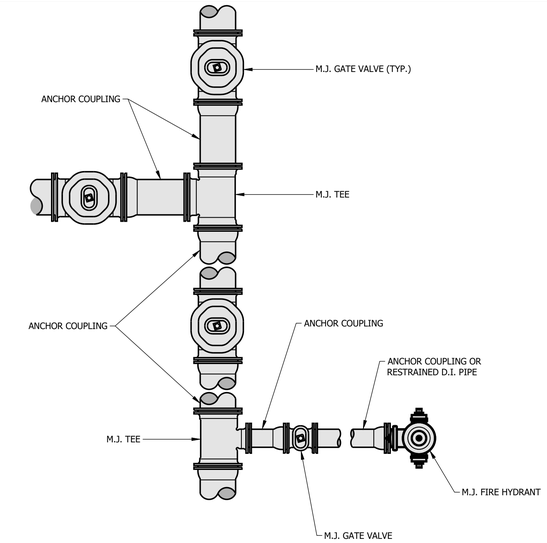


NOTE:

GATE VALVES INSTALLED DEEPER THAN 5'-0" SHALL REQUIRE STAINLESS STEM EXTENSIONS.

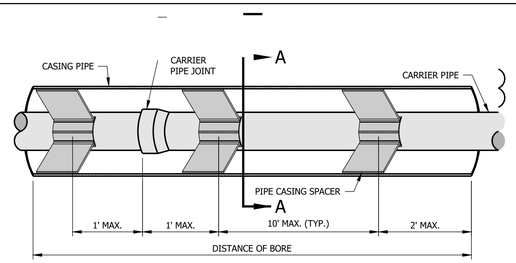
DW-03R GATE VALVE INSTALLATION DETAIL

Scale: NTS



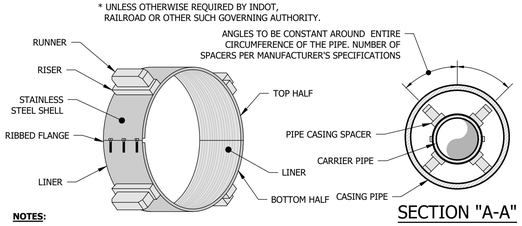
DW-05 ANCHOR COUPLING DETAIL

Scale: NTS



CARRIER PIPE			CARRIER PIPE		
PIPE SIZE	CASING O.D.	THICKNESS	PIPE SIZE	CASING O.D.	THICKNESS
4"	12"	1/4"	12"	24"	5/16"
6"	16"	1/4"	16"	30"	3/8"
8"	18"	1/4"	18"	30"	3/8"
10"	20"	5/16"	20"	36"	1/2"
			24"	42"	1/2"

* UNLESS OTHERWISE REQUIRED BY INDOT, RAILROAD OR OTHER SUCH GOVERNING AUTHORITY.

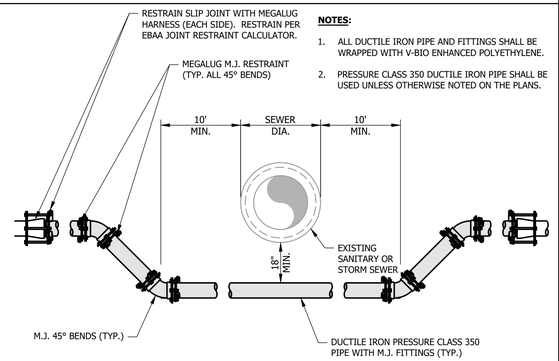


NOTES:

1. CASING SPACERS SHALL BE CCS SERIES BY CASCADE WATERWORKS MFG. ALTERNATE CASING SPACERS MAY BE USED WITH PRIOR APPROVAL FROM CITY UTILITIES PROJECT ENGINEER.
2. CITY UTILITIES APPROVED CASING SPACERS AND END SEALS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. USE A "CENTERED" CONFIGURATION AND PROVIDE THE MANUFACTURER WITH THE FOLLOWING INFORMATION: CARRIER PIPE O.D., CASING PIPE I.D., AND CASING LENGTH.

DW-18 TYPICAL CASING SPACERS DETAIL

Scale: NTS

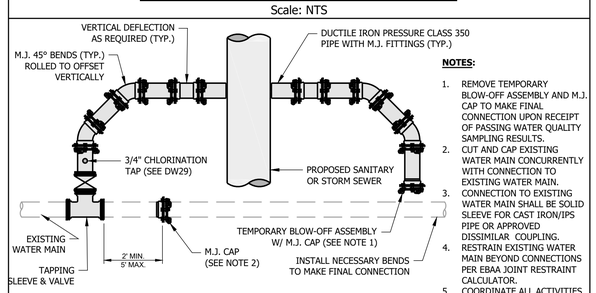


NOTES:

1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH V-BIO ENHANCED POLYETHYLENE.
2. PRESSURE CLASS 350 DUCTILE IRON PIPE SHALL BE USED UNLESS OTHERWISE NOTED ON THE PLANS.

DW-11 TYPICAL OFFSET ASSEMBLY

Scale: NTS

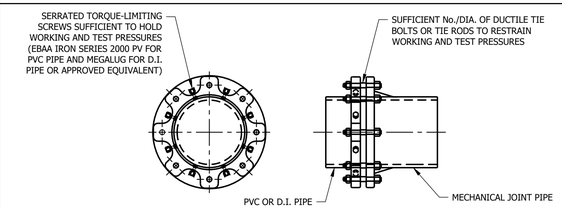


NOTES:

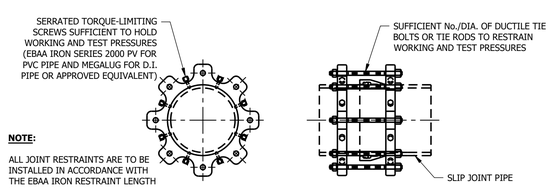
1. REMOVE TEMPORARY BLOW-OFF ASSEMBLY AND M.J. CAP TO MAKE FINAL CONNECTION UPON RECEIPT OF PASSING WATER QUALITY SAMPLING RESULTS.
2. CUT AND CAP EXISTING WATER MAIN CONCURRENTLY WITH CONNECTION TO EXISTING WATER MAIN.
3. CONNECTION TO EXISTING WATER MAIN SHALL BE SOLID SLEEVE FOR CAST IRON/IPS PIPE OR APPROVED DISSIMILAR COUPLING.
4. RESTRAIN EXISTING WATER MAIN BEYOND CONNECTIONS PER EBAA JOINT RESTRAINT CALCULATOR.
5. COORDINATE ALL ACTIVITIES WITH EWSU PRIOR TO STARTING WORK.

DW-19 TYPICAL CASING END SEALS

Scale: NTS



RESTRAINED JOINTS ON MECHANICAL JOINT PIPE & FITTINGS



RESTRAINED JOINTS ON SLIP JOINT PIPE

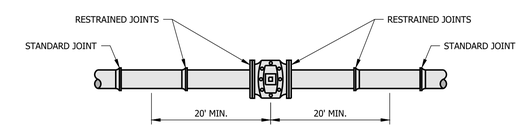
(USING GRIPPING TYPE RETAINERS)

NOTE:

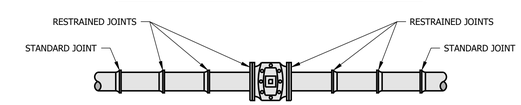
ALL JOINT RESTRAINTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE EBAA IRON RESTRAINT LENGTH CALCULATOR USING A MINIMUM WORKING PRESSURE OF ONE HUNDRED FIFTY (150) psi WITH A SAFETY FACTOR OF 2.0.

DW-09 RESTRAINED JOINTS DETAIL

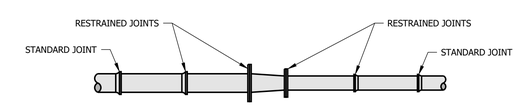
Scale: NTS



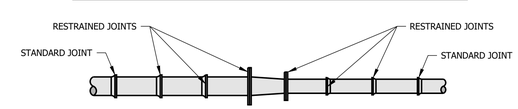
VALVES (NON-DEAD END) 8" AND SMALLER



VALVES (NON-DEAD END) 12" AND LARGER



REDUCERS - LARGER PIPE DIAMETER IS 8" OR SMALLER



REDUCERS - LARGER PIPE DIAMETER IS 12" OR LARGER

NOTE:

ALL JOINT RESTRAINTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE EBAA IRON RESTRAINT LENGTH CALCULATOR USING A MINIMUM WORKING PRESSURE OF ONE HUNDRED FIFTY (150) psi WITH A SAFETY FACTOR OF 2.0.

DW-10 TYPICAL RESTRAINING FOR VALVES & REDUCERS

Scale: NTS

RECOMMENDED FOR APPROVAL _____ XXXX
ANUCHART SUCHARITAKUL, PE — DATE

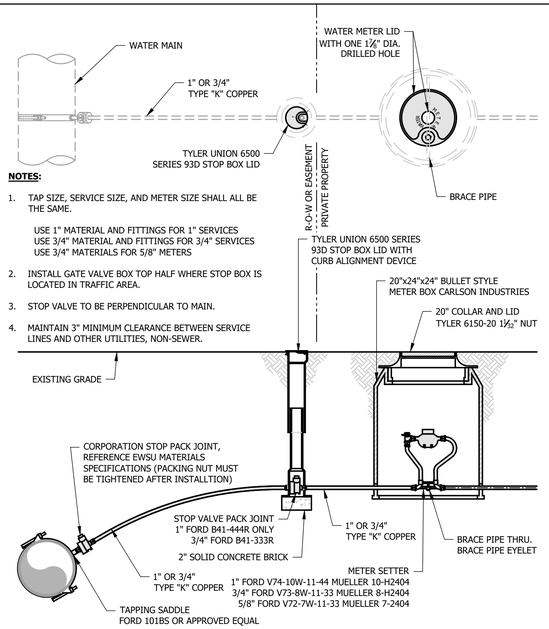
DESIGNED: TJR | DRAWN: TJR
CHECKED: AS | CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
SHEET 1

HORIZONTAL SCALE	BRIDGE FILE
As Shown	N/A
VERTICAL SCALE	DESIGNATION
As Shown	1801726
SURVEY BOOK	SHEETS
N/A	159 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:22pm User Name: dwayne
File: S:_2017\117-0043\WR\CAD\Plans\Details Phase 3.dwg



NOTES:

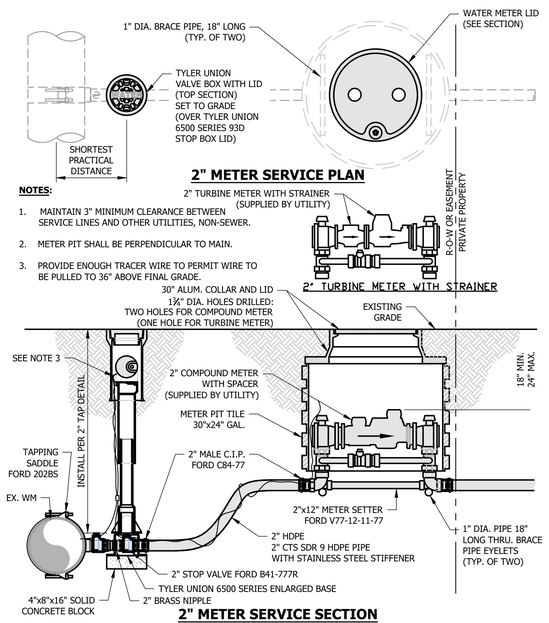
1. TAP SIZE, SERVICE SIZE, AND METER SIZE SHALL ALL BE THE SAME.

   USE 1" MATERIAL AND FITTINGS FOR 1" SERVICES
   USE 3/4" MATERIAL AND FITTINGS FOR 3/4" SERVICES
   USE 3/4" MATERIALS FOR 5/8" METERS

2. INSTALL GATE VALVE BOX TOP HALF WHERE STOP BOX IS LOCATED IN TRAFFIC AREA.
3. STOP VALVE TO BE PERPENDICULAR TO MAIN.
4. MAINTAIN 3" MINIMUM CLEARANCE BETWEEN SERVICE LINES AND OTHER UTILITIES, NON-SEWER.

DW-20 SINGLE (1" 0r 3/4") METER SERVICE CONNECTION

Scale: NTS



NOTES:

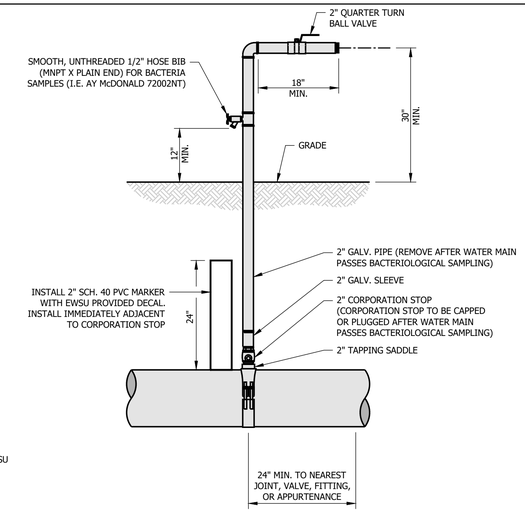
1. MAINTAIN 3" MINIMUM CLEARANCE BETWEEN SERVICE LINES AND OTHER UTILITIES, NON-SEWER.
2. METER PIT SHALL BE PERPENDICULAR TO MAIN.
3. PROVIDE ENOUGH TRACER WIRE TO PERMIT WIRE TO BE PULLED TO 36" ABOVE FINAL GRADE.

2" METER SERVICE PLAN

2" METER SERVICE SECTION

DW-22R 2" METER SERVICE CONNECTION

Scale: NTS



NOTES:

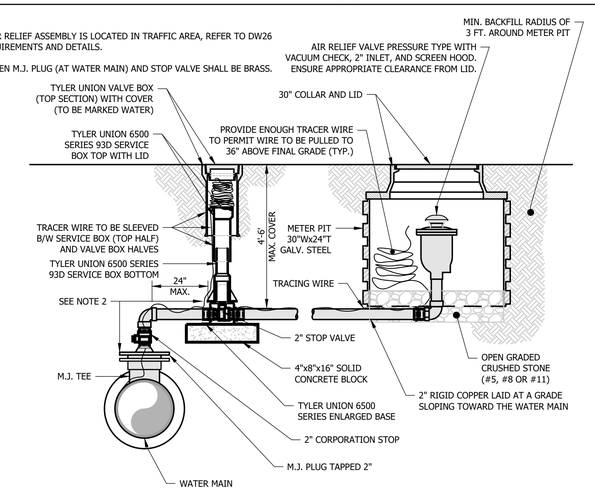
1. CORPORATION STOP TO BE CAPPED OR PLUGGED AFTER WATER MAIN PASSES BACTERIOLOGICAL SAMPLING.
2. INSTALL 2" SCH. 40 PVC MARKER WITH EWSU PROVIDED DECAL. INSTALL IMMEDIATELY ADJACENT TO CORPORATION STOP.

DW-30 TEMPORARY BLOWOFF ASSEMBLY WITH SADDLE

Scale: NTS

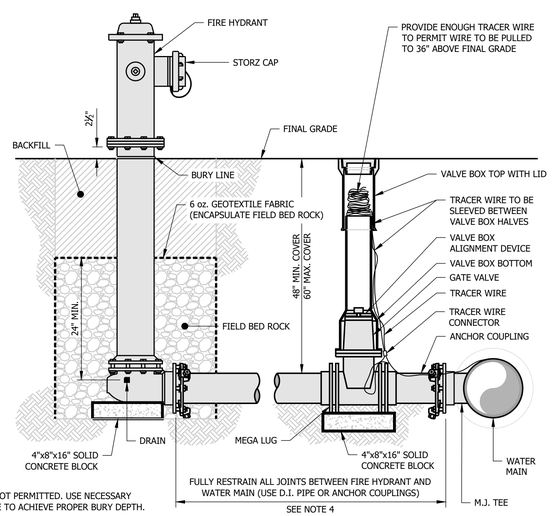
NOTES

1. IN CASES WHERE AIR RELIEF ASSEMBLY IS LOCATED IN TRAFFIC AREA, REFER TO DW26 FOR METER PIT REQUIREMENTS AND DETAILS.
2. ALL FITTINGS BETWEEN M.J. PLUG (AT WATER MAIN) AND STOP VALVE SHALL BE BRASS.



DW-06AIR RELIEF ASSEMBLY

Scale: NTS

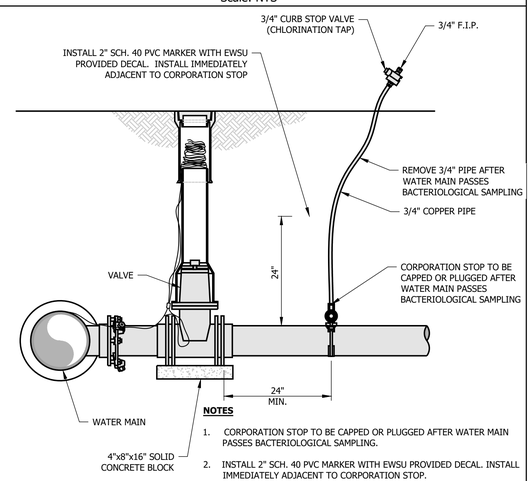


NOTES:

1. BARREL EXTENSIONS ARE NOT PERMITTED. USE NECESSARY BENDS BEYOND GATE VALVE TO ACHIEVE PROPER BURY DEPTH.
2. FIRE HYDRANTS ARE LIMITED TO 5'-0" MAXIMUM BURY DEPTH.
3. MECHANICAL JOINT OFFSET FITTING PERMITTED TO ACHIEVE APPROPRIATE BURY DEPTH. OFFSET FITTINGS SHOULD BE INSTALLED BETWEEN GATE VALVE AND FIRE HYDRANT.
4. ALL D.I. PIPE AND FITTINGS SHALL BE WRAPPED WITH V-BIO ENHANCED POLYETHYLENE PER MANUFACTURER'S RECOMMENDATIONS.

DW-04 FIRE HYDRANT ASSEMBLY

Scale: NTS



NOTES

1. CORPORATION STOP TO BE CAPPED OR PLUGGED AFTER WATER MAIN PASSES BACTERIOLOGICAL SAMPLING.
2. INSTALL 2" SCH. 40 PVC MARKER WITH EWSU PROVIDED DECAL. INSTALL IMMEDIATELY ADJACENT TO CORPORATION STOP.
3. DETAIL REPRESENTS A TYPICAL WATER MAIN BRANCH CONNECTION.

DW-29 CHLORINATION DISINFECTION TAP

Scale: NTS

AUTOMATIC FLUSHING DEVICE SHALL HAVE A 2" BRASS FIP INLET, LEADING VERTICALLY INTO A 2" AUTOMATIC SOLENOID VALVE.
AUTOMATIC SOLENOID VALVE SHALL HAVE AN INTERNAL, SELF-CLEANING DEBRIS SCREEN, AND HAVE A 220 PSI RATING.
EACH UNIT SHALL BE FURNISHED WITH A STAND-ALONE VALVE CONTROLLER.
VALVE CONTROLLER WILL NOT REQUIRE A SECOND HAND-HELD DEVICE FOR PROGRAMING.
CONTROLLER MUST HAVE A MINIMUM OF 9 POSSIBLE FLUSHING CYCLES PER DAY, SHALL BE SUBMERSIBLE TO 12 FEET, OPERATE WITH 9 VOLT BATTERY AND HAVE RESIN-SEALED ELECTRICAL COMPONENTS.
SOLENOID SHALL HAVE NO LOOSE PARTS WHEN REMOVED FROM VALVE.
EACH UNIT SHALL HAVE A DOUBLE-VALVE, ALL BRASS, SAMPLING POINT.
REMOVAL OF 2" SOLENOID VALVE SHALL BE POSSIBLE VIA AN O-RING CONNECTOR LOCATED UNDER THE VALVE, AFTER REMOVAL OF STAINLESS STEEL ACCESS PLATE.
VALVE ASSEMBLY SHALL BE HOUSED IN A PVC ENCLOSURE AND EACH UNIT SHALL BE SELF DRAINING, NON-FREEZING.
ALL ABOVE-GROUND COMPONENTS SHALL BE CONTAINED WITHIN A UV-RESISTANT LOCKING COVER, AS MANUFACTURED BY KUPFERLE FOUNDRY COMPANY.
ST. LOUIS, MO.
1-800-231-3990
MODEL No.9800 OR MODEL No.9400 OR APPROVED EQUAL.

AUTOMATIC FLUSHING DEVICE NOTES

Scale: NTS

RECOMMENDED FOR APPROVAL _____ XXXX
ANUCHART SUCHARITAKUL, PE DATE

DESIGNED: TJR | DRAWN: TJR
CHECKED: AS | CHECKED: MJC

INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
SHEET 2

HORIZONTAL SCALE	BRIDGE FILE
As Shown	N/A
VERTICAL SCALE	DESIGNATION
As Shown	1801726

SURVEY BOOK	SHEETS		
N/A	160	of	--
CONTRACT	PROJECT		
R-41599	1801726		

Date: Aug 22, 2022, 3:22pm User Name: dwayne
File: S:_2017\1170043\WR\CAD\Plans\Details Phase 3.dwg

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE EVANSVILLE WATER & SEWER UTILITY (EWSU) RULES AND REGULATIONS.

2. ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING SIZES, LOCATIONS AND/OR ELEVATIONS, AS SHOWN ON THE DRAWINGS OF ARE BASED ON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE THE INFORMATION TO BE TRUE, ACCURATE, OR ALL INCLUSIVE. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING COMPLETE OR EXACT. THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURATE LOCATION OF ALL UTILITIES AND HAZARDS WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION TO REQUEST FIELD LOCATION OF UTILITIES.

3. EXISTING UTILITY SERVICE LINES TO INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL ASSUME THAT UNDERGROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE PROJECT CORRIDOR. ALL ACTIVE UTILITY SERVICES SHALL BE PROTECTED BY THE CONTRACTOR DURING EXCAVATION AND TRENCHING. ALL UTILITY SERVICES SHALL BE RECONNECTED PER THAT UTILITY'S STANDARDS OF CONSTRUCTION.

4. COORDINATE PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITIES' AFFECTED CUSTOMERS. SERVICE INTERRUPTIONS SHALL NOT LAST MORE THAN FOUR (4) HOURS. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO ALL AFFECTED UTILITY CUSTOMERS AND PROPERTY OWNERS AT LEAST 24 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO ANY PLANNED INTERRUPTION OF UTILITY SERVICE.

5. EXISTING RIGHTS-OF-WAY AND PROPERTY LINES, WHERE SHOWN ON THE DRAWINGS, WERE OBTAINED FROM EXISTING MAPS, PROPERTY PLATS AND DESCRIPTIONS; AND THE ENGINEER DOES NOT WARRANT THEIR ACCURACY.

6. THE CONTRACTOR SHALL MARK OUT, IN PAINT, THE LOCATIONS OF THE PROPOSED WATER MAINS AND EXISTING UTILITIES AT LEAST 72 HOURS PRIOR TO THE SCHEDULED START OF WATER MAIN INSTALLATION IN A PARTICULAR AREA. THE CONTRACTOR MAY MAKE MINOR DEVIATIONS OF THE PROPOSED WATER MAIN LOCATION TO AVOID UTILITY CONFLICTS IF SUCH DEVIATIONS ARE BASED ON ACTUAL UTILITY LOCATIONS.

7. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS, INCLUDING INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, CITY OF EVANSVILLE, VANDERBURGH COUNTY, AND OTHER APPLICABLE LOCAL, STATE, AND FEDERAL AGENCIES. APPLICABLE PERMITS ISSUED TO THE OWNER WILL BE PROVIDED TO THE CONTRACTOR.

8. RECONNECT ALL EXISTING WATER SERVICES AND FIRE HYDRANT BRANCH LINES TO THE PROPOSED WATER MAINS. EXISTING WATER SERVICES AND CURB STOP SHALL BE REPLACED. CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL CUSTOMERS AT ALL TIMES, EXCEPT FOR RECONNECTION OF WATER SERVICE FROM EXISTING WATER MAIN TO NEW WATER MAIN.

9. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, IOSHA RULE STANDARDS AND REGULATIONS, AND OTHER APPLICABLE SAFETY REQUIREMENTS.

10. ALL TEMPORARY BLOW-OFFS AND CHLORINE FEED LINES SHALL BE REMOVED BY THE CONTRACTOR. ALL BLOW-OFF ASSEMBLIES SHALL HAVE PIPE JOINTS PRIOR TO BLOW OFF, RESTRAINED WITH SERIES 1500 RESTRAINERS IN ACCORDANCE WITH THE JOINT RESTRAINT MANUFACTURER SPECIFICATIONS.

11. IN ALL AREAS WHERE CONSTRUCTION IS TO TAKE PLACE ADJACENT TO EVERYDAY ACTIVITIES, FENCES OR OTHER MEANS OF WARNING RESIDENTS AND OTHER LOCAL BYSTANDERS OF THE ON-GOING CONSTRUCTION AND INHERENT DANGER SHALL BE REQUIRED AND IMPLEMENTED BY THE CONTRACTOR.

12. CONTRACTOR SHALL NOT CONNECT LINES 2" AND SMALLER TO MAIN UNTIL ALL CHLORINATION IS COMPLETE AND MAIN IS ACCEPTED BY UTILITY.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR,SUB-CONTRACTORS AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD AND OTHER CONSTRUCTION DEBRIS.

14. THE CONTRACTOR SHALL INSTALL AND UTILIZE NECESSARY CONSTRUCTION SIGNAGE AND BARRIERS TO PROVIDE FOR SAFE ENTRANCE INTO AND EXIT FROM THE ADJACENT PROPERTIES DURING CONSTRUCTION.

15. THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH RESIDENTS PRIOR TO ANY TEMPORARY STREET CLOSING OR LOSS OF VEHICULAR ACCESS TO THEIR RESPECTIVE PROPERTY. DRIVEWAY ACCESS MUST BE RESTORED AT THE END OF EACH DAY.

16. ALL BLOW OFF ASSEMBLIES SHALL HAVE PIPE JOINTS, PRIOR TO BLOW OFF. RESTRAINED WITH SERIES 1500 RESTRAINERS, IN ACCORDANCE WITH JOINT RESTRAINT MANUFACTURERS SPECIFICATIONS.

17. CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING, BUSHES, TREES, SIGNS, MAILBOXES, FENCING, AND OTHER EXISTING TOPOGRAPHIC FEATURES AND CONTRACTOR SHALL FULLY REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER IF DAMAGED BY CONSTRUCTION ACTIVITIES.

18. THE CONTRACTOR SHALL INSTALL THE NEW WATER MAINS AND SERVICE LINES WHILE THE EXISTING FACILITIES REMAIN IN OPERATION UNLESS APPROVED BY THE UTILITY.

19. MAINTAIN MINIMUM 18 INCHES VERTICAL CLEARANCE AND 10 FEET HORIZONTAL CLEARANCE BETWEEN THE NEW WATER MAIN AND ALL EXISTING OR PROPOSED SANITARY, STORM, OR COMBINED SEWERS CROSSINGS AS MEASURED FROM THE OUTSIDE EDGES OF THE PIPES THROUGH THE ENTIRE PROJECT CORRIDOR.

20. CONCRETE THRUST BLOCKS SHALL NOT BE USED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE EVANSVILLE WATER AND SEWER UTILITY.

21. REPLACE THE CURB STOP AND THE WATER SERVICE UP TO THE METER. RELOCATE METER WHEN SHOWN. ASSUME THAT ALL WATER SERVICES ARE 1" IN DIAMETER, UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL VERIFY SIZE PRIOR TO ORDERING MATERIALS.

22. THE CONTRACTOR SHALL HYDROSTATICALLY TEST EXISTING GATE VALVES PRIOR TO MAKING CONNECTION AND CONTINUING WITH WATER MAIN INSTALLATION. THE EXISTING GATE VALVES SHALL BE TESTED THE SAME AS TAPPING SLEEVES AND VALVES (150 PSI FOR 15 MINUTES WITH NO PRESSURE LOSS).

23. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING WATER MAIN. FINAL PIPE LENGTH FROM GATE VALVE CONNECTION TO EXISTING MAIN SHALL BE LESS THAN 20-FEET FOR DISINFECTION PER AWWA C651-14.

24. THE AGE OF EXISTING WATER INFRASTRUCTURE MAY REQUIRE THE USE OF HYMAX (OR APPROVED EQUAL) IN LIEU OF THE SOLID SLEEVE CONNECTIONS SHOWN. CONTRACTOR TO FIELD VERIFY OUTSIDE DIAMETER AND SUBMIT TO ENGINEER AND CONSTRUCTION MANAGER FOR APPROVAL.

25. THE CONTRACTOR SHALL MAINTAIN POTABLE WATER SERVICE TO ALL EXISTING CUSTOMERS AT ALL TIMES THROUGHOUT THE PROJECT. THE EXCEPTIONS SHALL BE A MAXIMUM FOUR (4) HOUR PERIOD FOR SWITCHING FROM THE EXISTING SERVICES TO THE NEW SERVICES. PRIOR TO SWITCHING ANY EXISTING SERVICE FROM THE EXISTING MAIN, THE NEW MAIN AND SERVICE LINE SHALL HAVE BEEN INSTALLED, TESTED, DISINFECTED AND ACCEPTED FOR USE. ONCE ALL SERVICES HAVE BEEN SWITCHED TO THE NEW MAIN, CONTRACTOR SHALL CUT AND REMOVE A SECTION OF THE EXISTING MAIN ALONG THE PORTION TO BE ABANDONED. THE EXPOSED ENDS SHALL BE SEALED WITH EITHER A RESTRAINED MECHANICAL JOINT CAP OR A CONCRETE PLUG.

26. THE NEW CUSTOMER SERVICE LINES ARE TO BE CONNECTED TO THE EXISTING VALVES NEAR THE METERS IN THEIR RESPECTIVE LOCATIONS. CONTRACTOR TO LIMIT ALL CONSTRUCTION ACTIVITIES AND GROUND DISTURBANCE TO WITHIN THE EXISTING RIGHT-OF-WAYS, EXCEPT WHERE THE EXISTING METER IS LOCATED OUTSIDE OF SAID RIGHT-OF-WAY. IN SUCH SITUATIONS, THE CONTRACTOR SHALL MINIMIZE GROUND DISTURBANCE TO PRIVATE PROPERTY WHEN MAKING SERVICE CONNECTIONS.

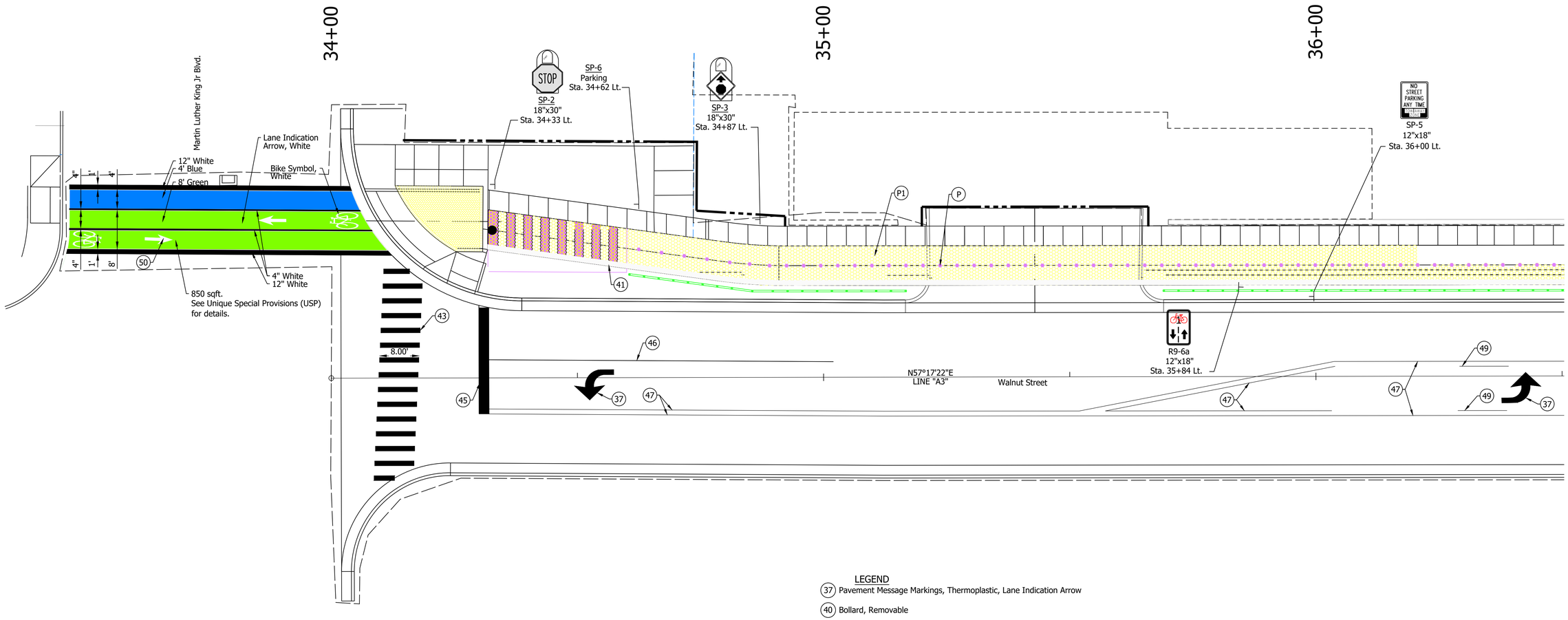
27. THE WATER SERVICE AND CURB STOP SHALL BE INSTALLED AT A 90 DEGREE ANGLE FROM THE MAIN.

28. EXISTING WATER MAINS TO BE RETIRED SHALL BE ABANDONED IN PLACE BY CLOSING ALL RELATED VALVES, REMOVING ALL OLD VALVE BOXES AND HYDRANTS, AND CUTTING AND INSTALL CONCRETE PLUGS (MINIMUM 1-INCH INSERTION) OR RESTRAINED MECHANICAL JOINT CAP IN THE ABANDONED SIDES NEAR THE TIE-IN LOCATIONS AFTER THE NEW MAIN IS ACTIVATED.

29. FITTINGS AND APPURTENANCES INSTALLED ON EXISTING WATER MAIN FACILITIES TO REMAIN ACTIVE SHALL BE PROPERLY RESTRAINED TO ACCOUNT FOR THE GREATEST POSSIBLE WORKING PRESSURE. ALL FITTINGS SHALL BE MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED. IN SITUATIONS WHERE ADJACENT SLIP JOINT PIPE COULD BE COMPROMISED, FITTINGS SHALL BE RESTRAINED BY THE USE OF THREADED RODS OR OTHER METHOD ACCEPTABLE TO THE ENGINEER. BRACING OR RESTRAINING AGAINST RETIRED FACILITIES IS NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.

30. RETIREMENT OF ANY EXISTING FIRE HYDRANTS AND/OR VALVES SHALL INCLUDE THE REMOVAL OF THE HYDRANT, VALVES AND VALVE BOXES, FOLLOWED BY CAPPING OF ANY EXPOSED PIPING WITH A RESTRAINED MECHANICAL JOINT CAP OR CONCRETE PLUG. ALL HYDRANTS, VALVES AND VALVE BOXES REMOVED AS PART OF THIS PROJECT SHALL REMAIN THE PROPERTY OF EVANSVILLE WATER AND SEWER UTILITY. CONTRACTOR TO COORDINATE WITH THE UTILITY FOR DELIVERY OF SAID REMOVED MATERIALS.

31. CONTRACTOR SHALL RESTORE AND / OR REPLACE ALL PAVING, CURBING, SIDEWALKS, AND OTHER DISTURBED SURFACES AND STRUCTURES TO PRE-CONSTRUCTION CONDITION OR AS NOTED IN THE DRAWINGS.



LEGEND

37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow

40 Bollard, Removable

41 Line, Paint, Solid, White, 12"

43 Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"

45 Transverse Markings, Thermoplastic, Stop Line, White, 24"

46 Line, Thermoplastic, Solid, White, 6"

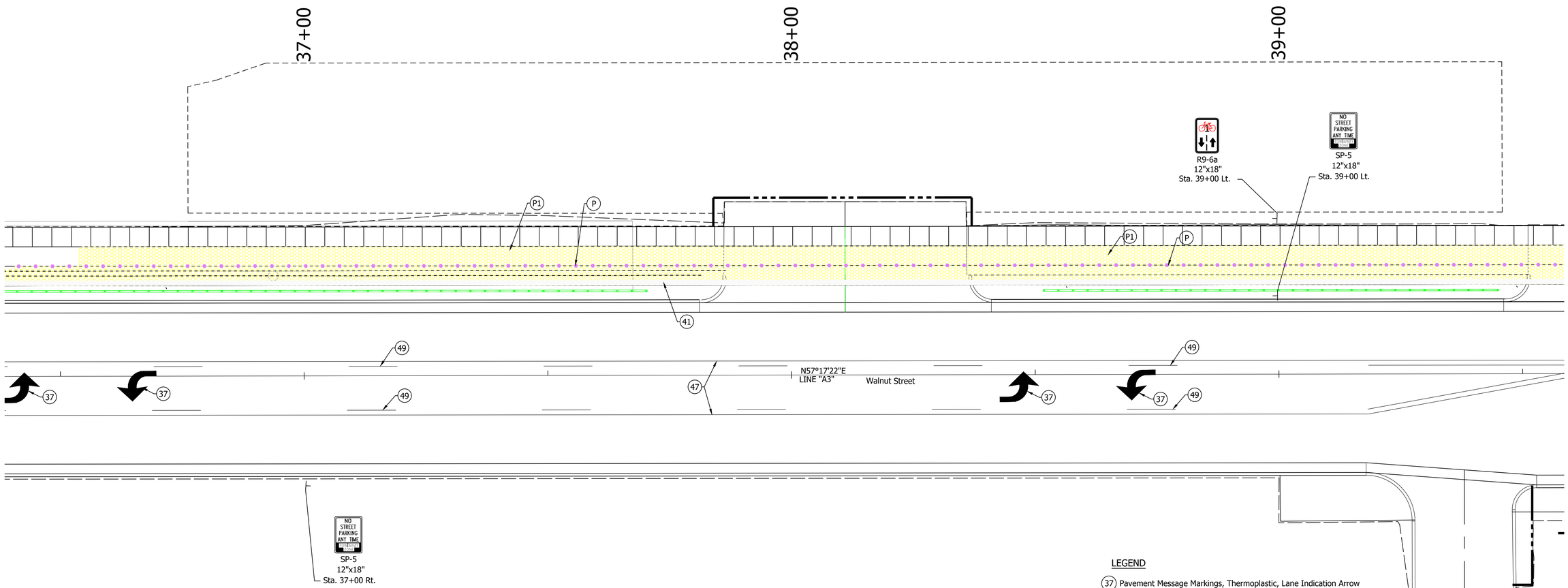
47 Line, Thermoplastic, Solid, Yellow, 6"

49 Line, Thermoplastic, Broken, Yellow, 6"

50 Crosswalk, Decorative Thermoplastic

Date: Aug 22, 2022, 3:24pm User Name: dwayne
File: S:_2017\17-0093\Road\CAD_Phase 3\SignPvmtMark\Sign Pvmt Mrking 34-51.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"= _'	BRIDGE FILE N/A
			DESIGNATION 1801726
DESIGNED: DAS DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 34+00 TO STA. 36+50 "A3"	SURVEY BOOK	SHEETS 162 of --
CHECKED: JAW CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726



LEGEND

37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow

41 Line, Paint, Solid, White, 12"

47 Line, Thermoplastic, Solid, Yellow, 6"

49 Line, Thermoplastic, Broken, Yellow, 6"

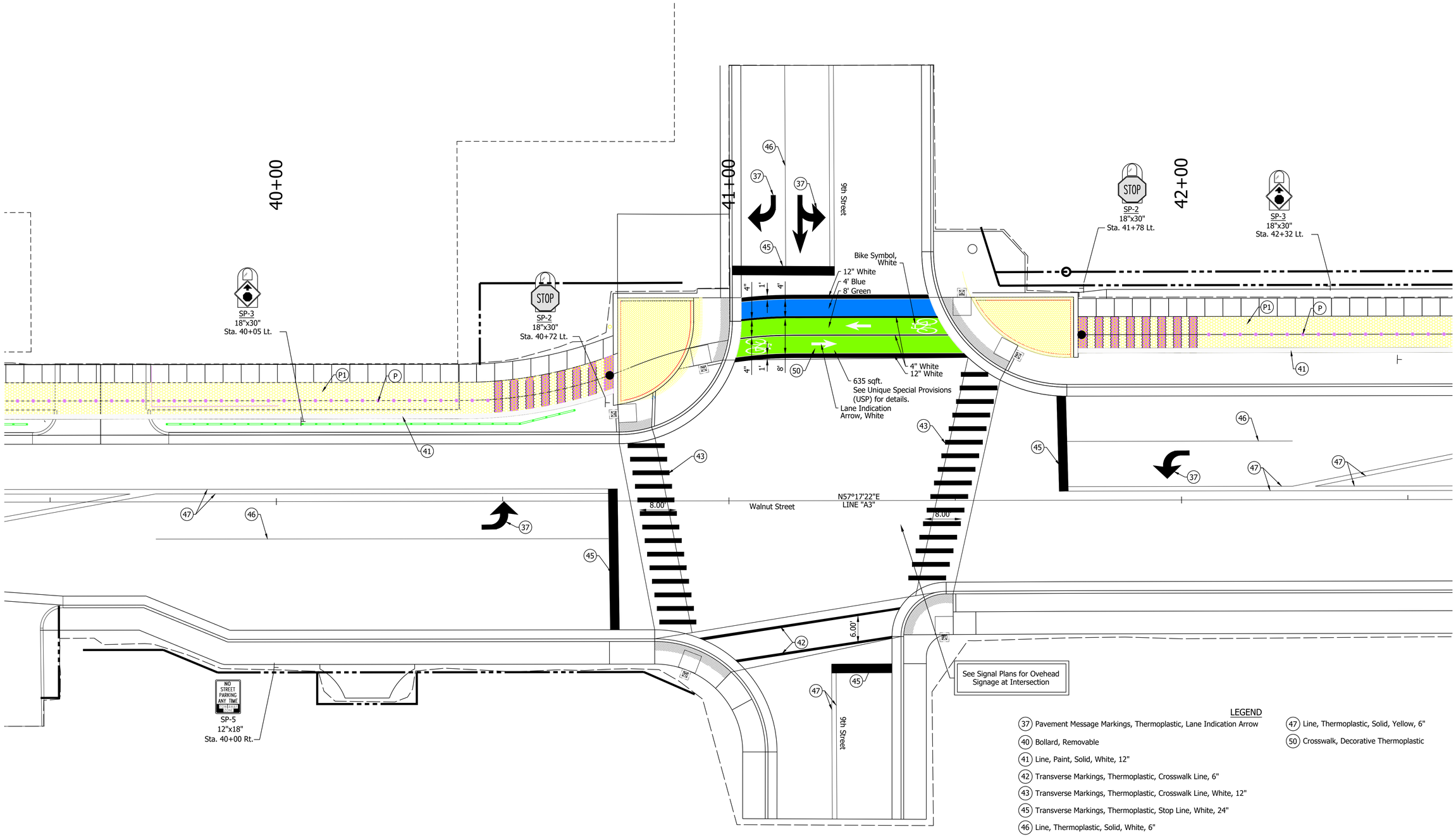
Date: Aug 22, 2022, 3:25pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\SignsPmtMark\Sign Pvmt Mking 34-51.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	--/--/-- DATE	
DESIGNED: DAS	DRAWN: DAS		
CHECKED: JAW	CHECKED: JAF		

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 36+50 TO STA. 39+50 "A3"

SCALE	BRIDGE FILE
_"= _ '	N/A
	DESIGNATION
_"= _ '	1801726
SURVEY BOOK	SHEETS
	163 of --
CONTRACT	PROJECT
R-41599	1801726



LEGEND

- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (41) Line, Paint, Solid, White, 12"
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (50) Crosswalk, Decorative Thermoplastic

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

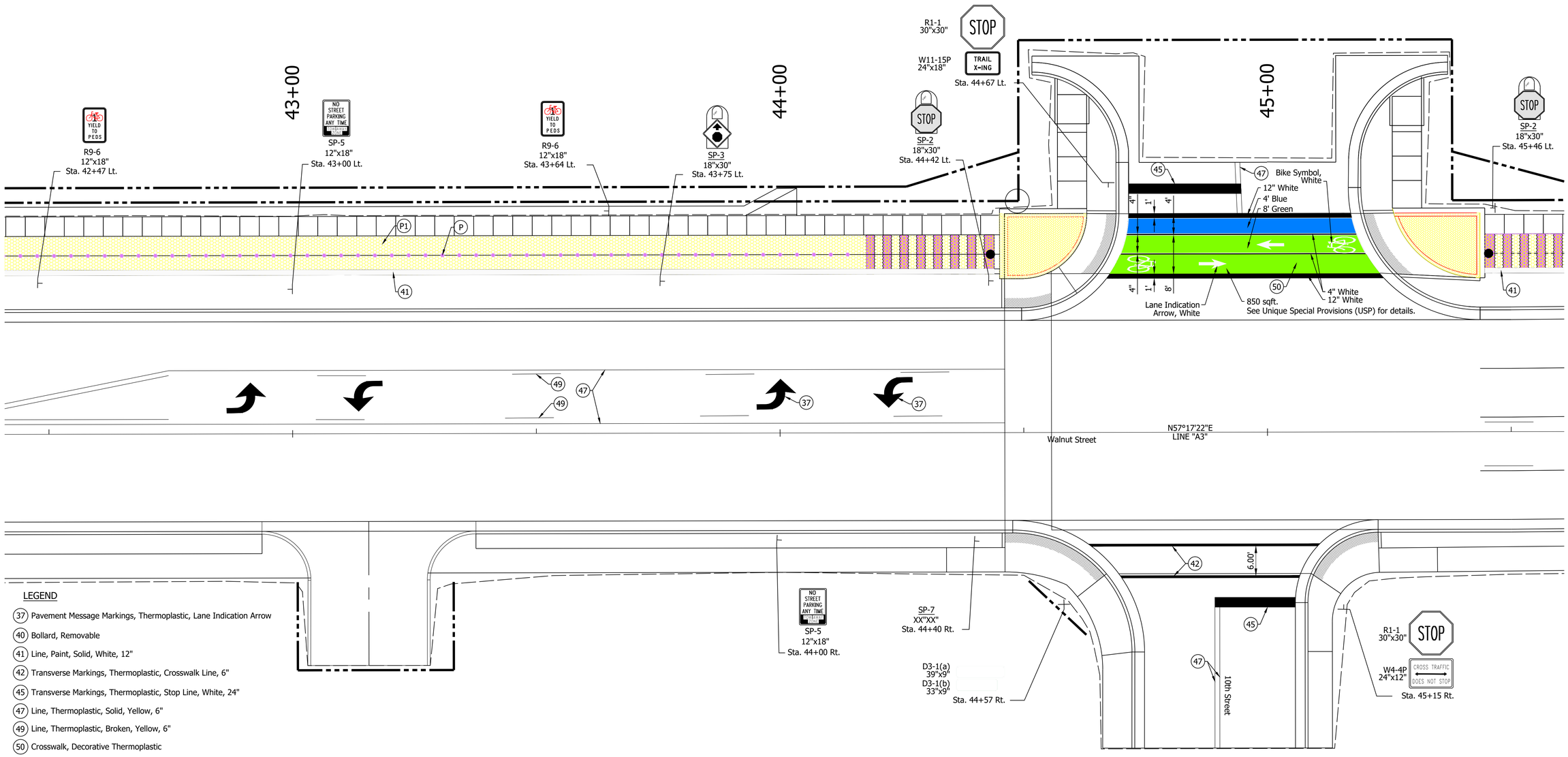
INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 39+50 TO STA. 42+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726

SURVEY BOOK	SHEETS
	164 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:25pm User Name: dwayne
File: S:_2017\1712649\Road\CAD_Phase 3\SignsPntMark\Sign Pvmt Mrking 34-51.dwg

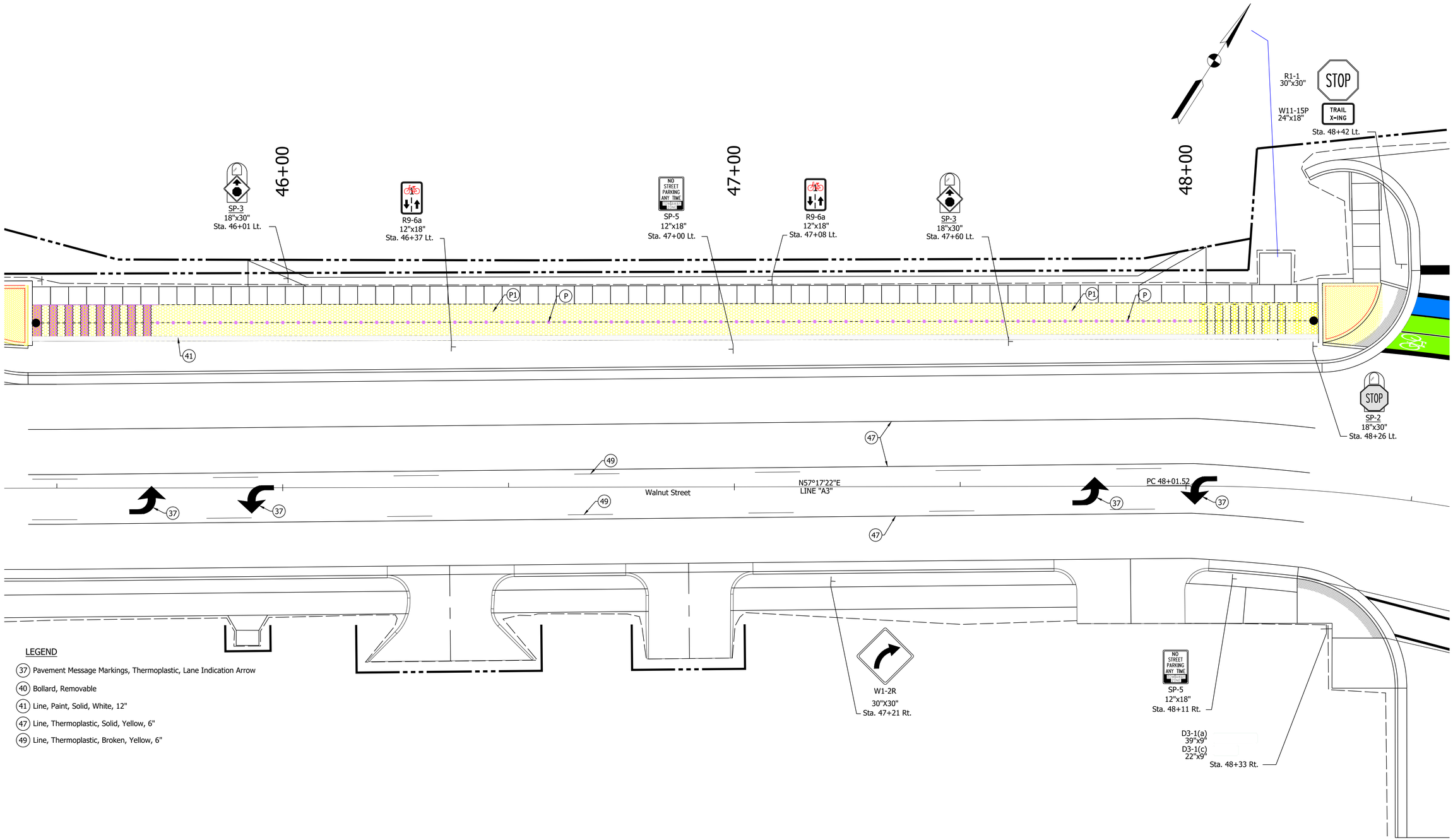


LEGEND

- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (41) Line, Paint, Solid, White, 12"
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"
- (50) Crosswalk, Decorative Thermoplastic

Date: Aug 22, 2022, 3:26pm User Name: dwayne
File: S:_2017\1117-04\3\Road\CAD_Phase 3\Signs+PvmtMark\Sign Pvmt Mrking 34-51.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_' / _"=_'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 42+50 TO STA. 45+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION 1801726
			SURVEY BOOK
			SHEETS 165 of --
			CONTRACT R-41599
			PROJECT 1801726



LEGEND

37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow

40 Bollard, Removable

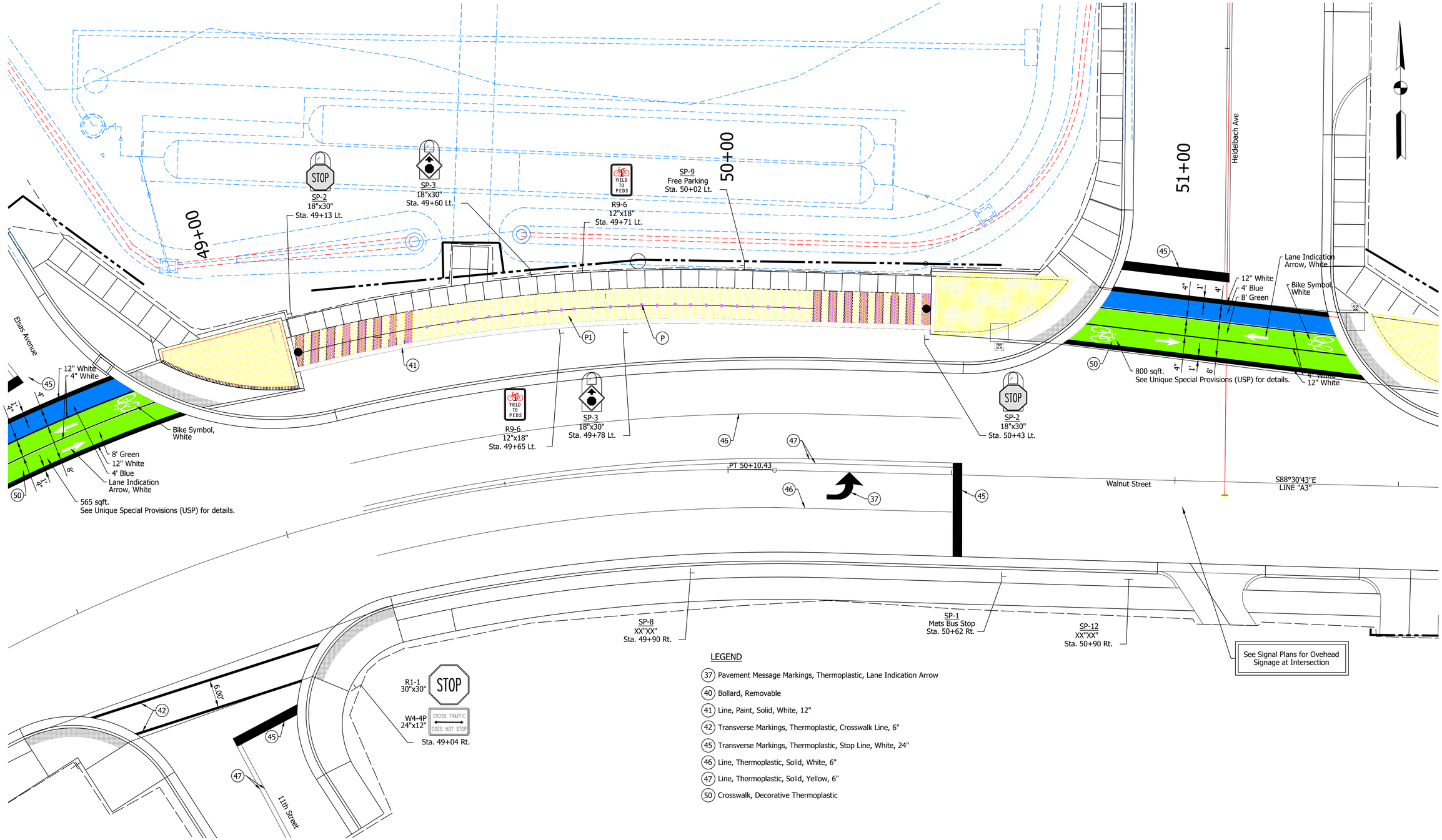
41 Line, Paint, Solid, White, 12"

47 Line, Thermoplastic, Solid, Yellow, 6"

49 Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:27pm User Name: dwayne
File: S:_2017\1170043\Road\CAD_Phase 3\Signs\PvmtMark\Sign Pvmt Mking 34-51.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_' / _"=_'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 45+50 TO STA. 48+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION 1801726
			SURVEY BOOK
			SHEETS 166 of --
			CONTRACT R-41599
			PROJECT 1801726



LEGEND

37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow

40 Bollard, Removable

41 Line, Paint, Solid, White, 12"

42 Transverse Markings, Thermoplastic, Crosswalk Line, 6"

45 Transverse Markings, Thermoplastic, Stop Line, White, 24"

46 Line, Thermoplastic, Solid, White, 6"

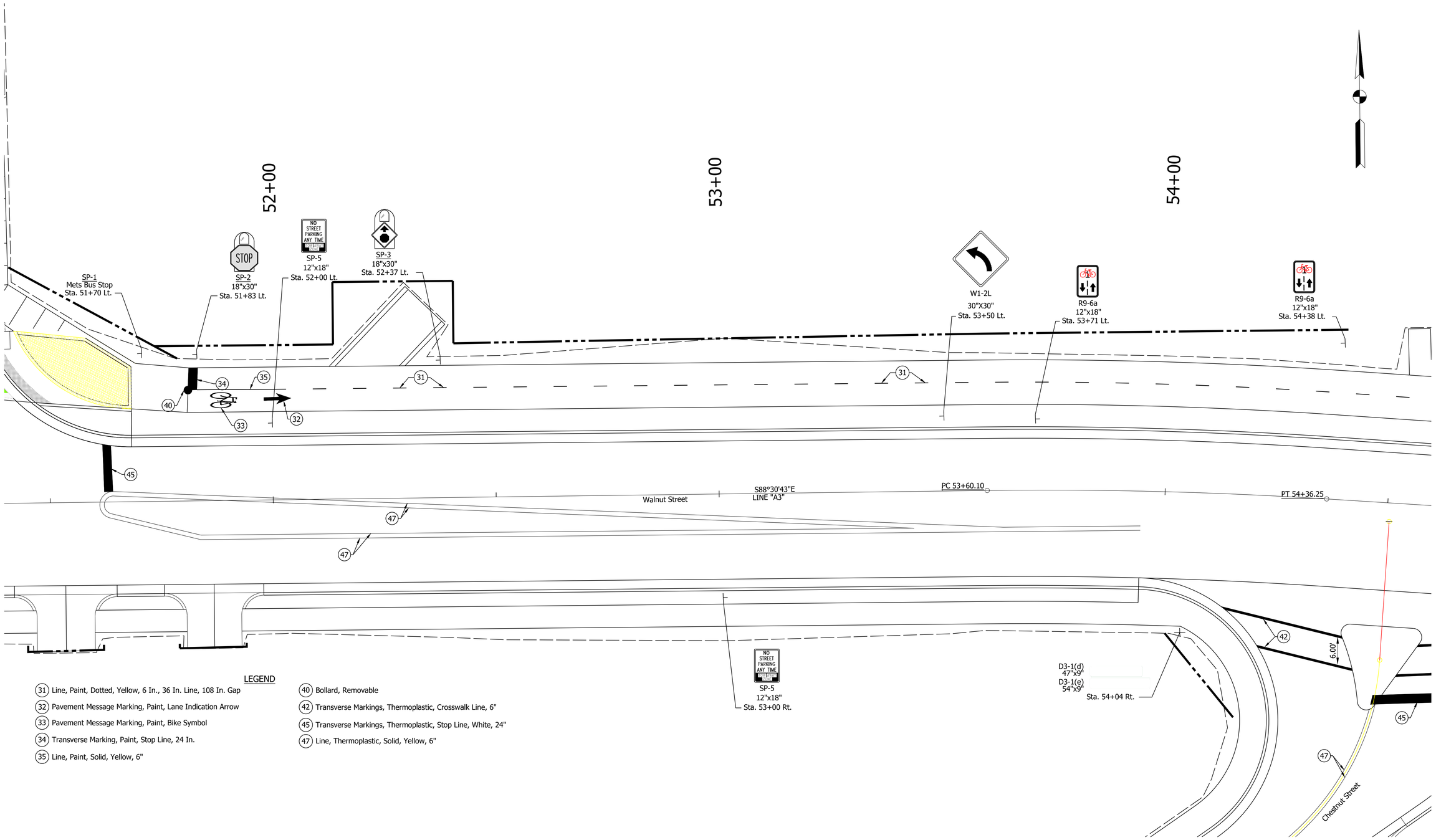
47 Line, Thermoplastic, Solid, Yellow, 6"

50 Crosswalk, Decorative Thermoplastic

Date: Aug 22, 2022, 3:28pm User Name: dwayne
File: S:_2017\1117-0453\Road\CAD_Phase 3\Signs+PvmtMark\Sign Pvmt Mrking 34-51.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 48+50 TO STA. 51+50 "A3"
CHECKED: JAW	CHECKED: JAF	

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	167 of --
CONTRACT	PROJECT
R-41599	1801726

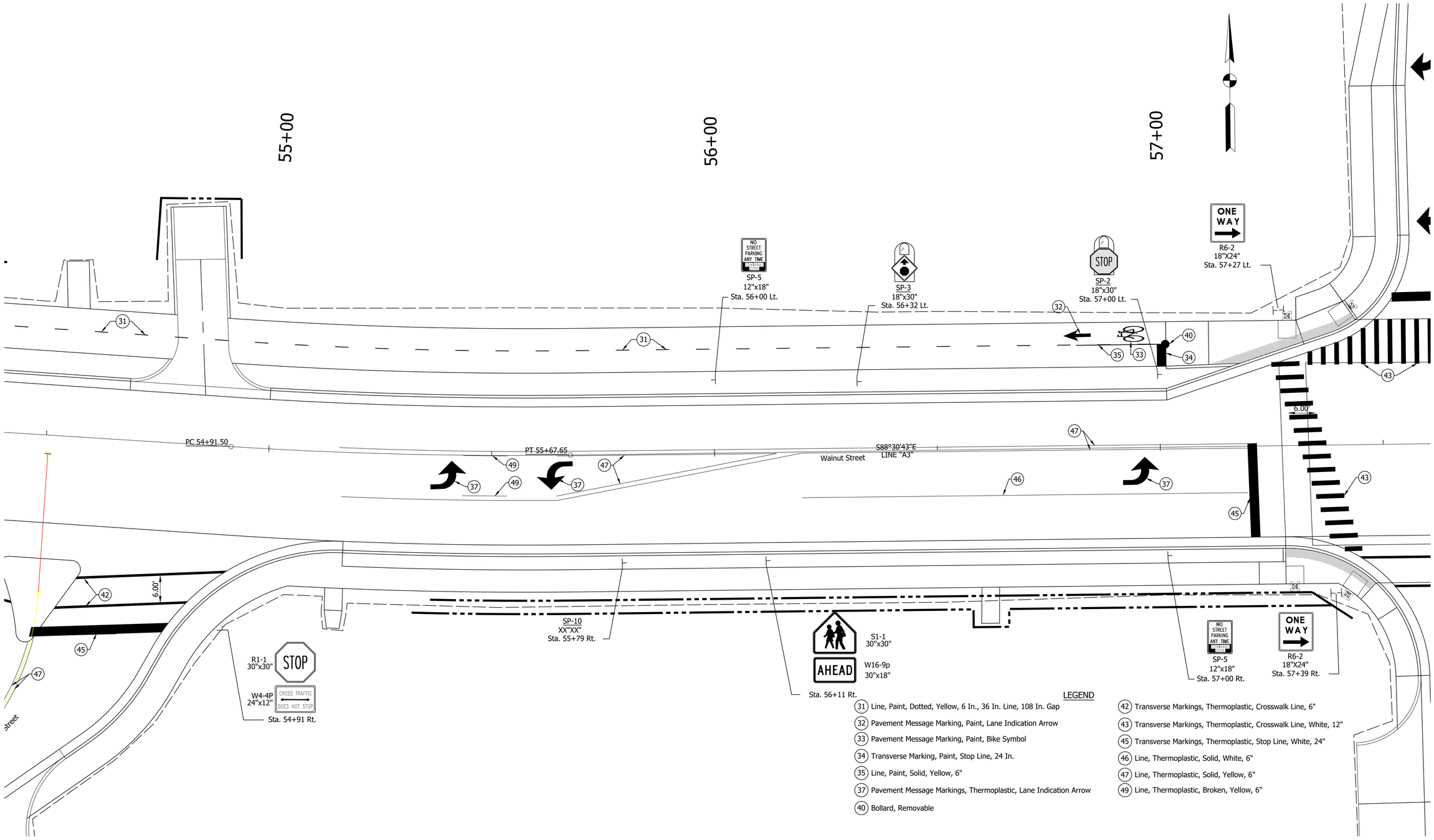


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"

Date: Aug 22, 2022, 3:39pm User Name: dwayne
File: S:_2017\1172049\Road\CAD_Phase 3\SignsPntMark\Sign Pvmt Mrkng 51-69.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 51+50 TO STA. 54+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION 1801726
			SURVEY BOOK
			SHEETS 168 of --
			CONTRACT R-41599
			PROJECT 1801726



LEGEND

31 Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
32 Pavement Message Marking, Paint, Lane Indication Arrow
33 Pavement Message Marking, Paint, Bike Symbol
34 Transverse Marking, Paint, Stop Line, 24 In.
35 Line, Paint, Solid, Yellow, 6"
37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow
40 Bollard, Removable
42 Transverse Markings, Thermoplastic, Crosswalk Line, 6"
43 Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
45 Transverse Markings, Thermoplastic, Stop Line, White, 24"
46 Line, Thermoplastic, Solid, White, 6"
47 Line, Thermoplastic, Solid, Yellow, 6"
49 Line, Thermoplastic, Broken, Yellow, 6"

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

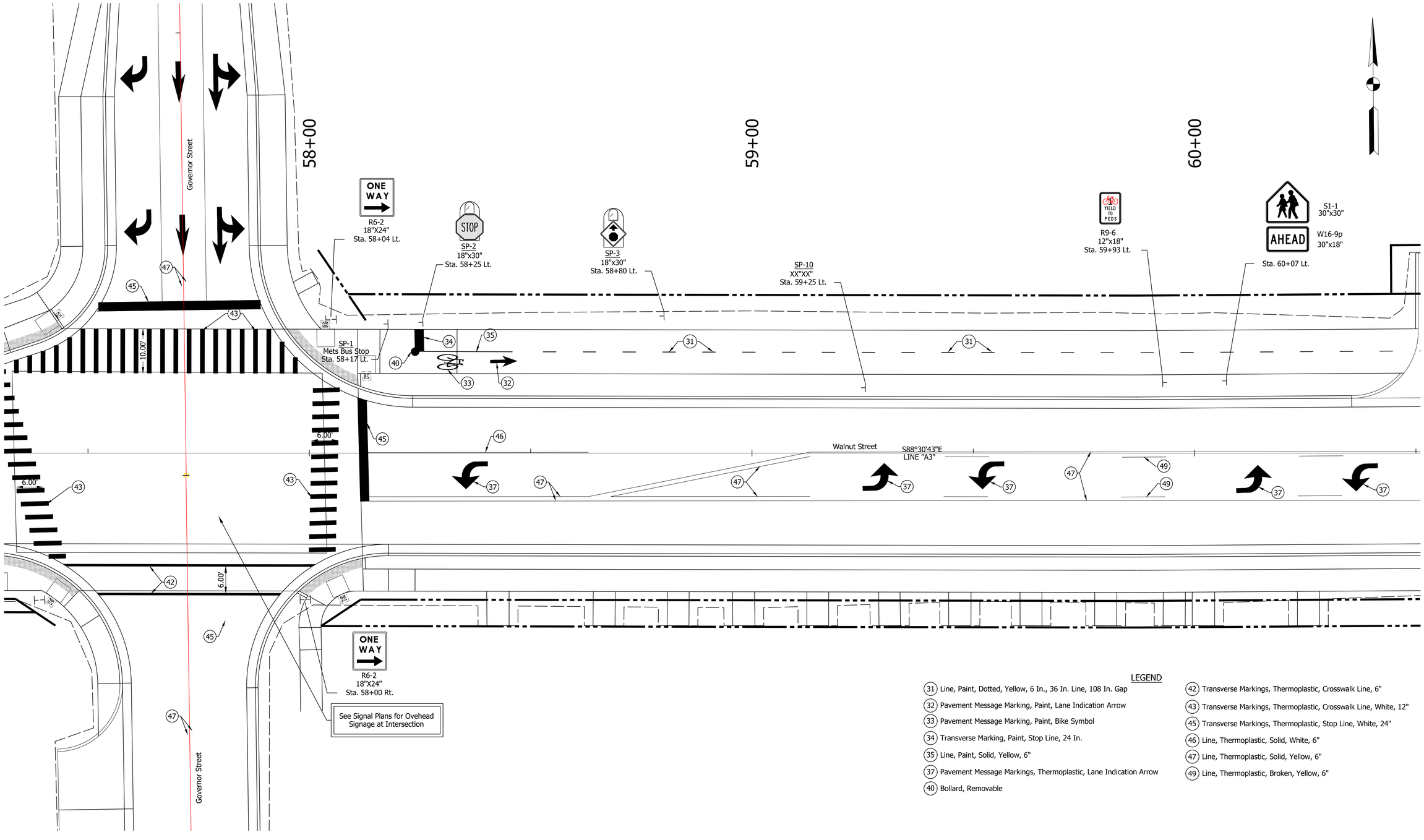
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 54+50 TO STA. 57+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	169 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:30pm User Name: dwayne
File: S:_2017\117-0453\Road\CAD_Phase 3\Signs-PvmtMark\Sign Pvmt Mrking 51-69.dwg

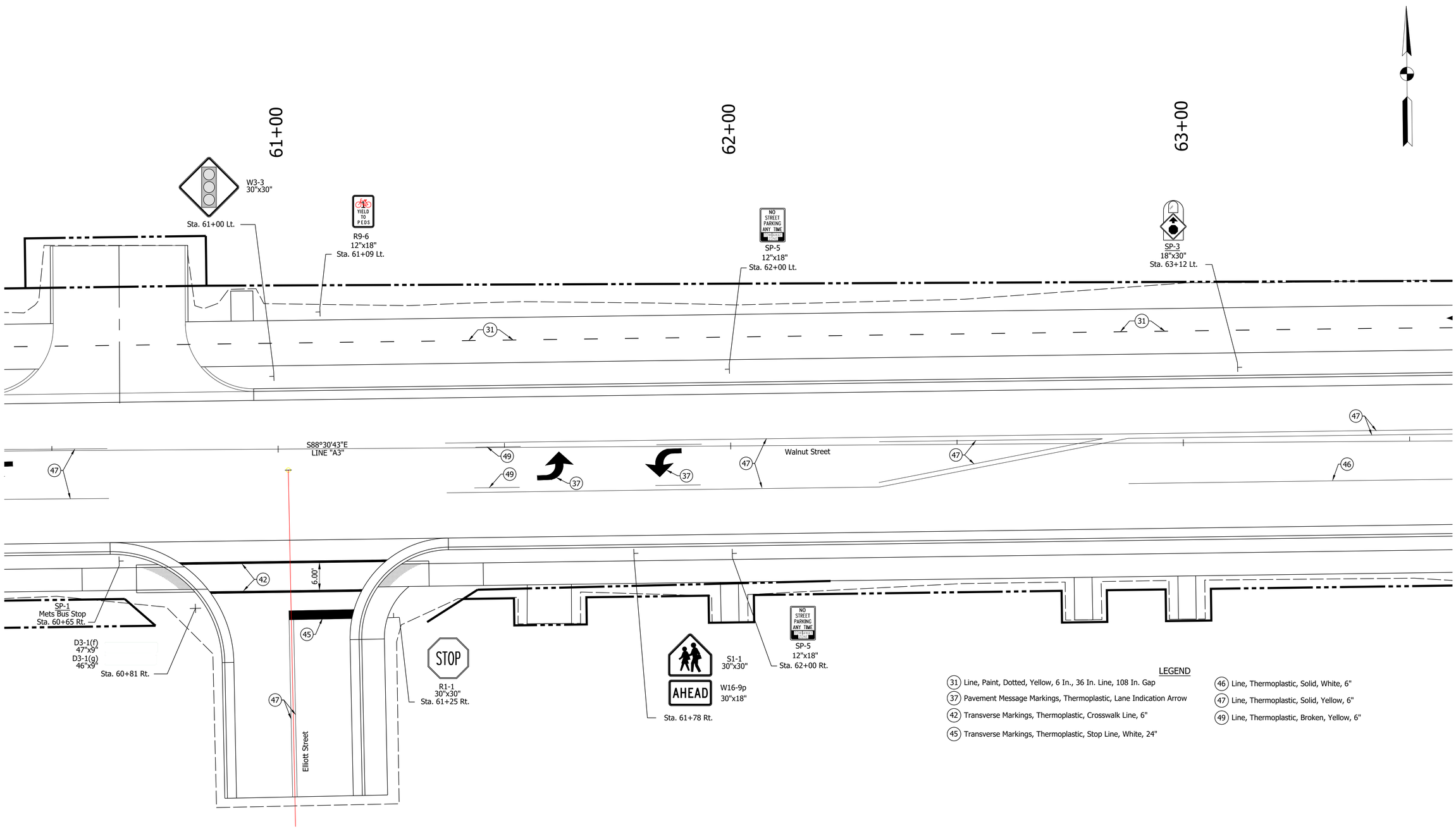


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:31pm User Name: dwayne
File: S:_2017\117-0453\Road\CAD_Phase 3\Signs-PvmtMark\Sign Pvmt Mrking 51-69.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_' / BRIDGE FILE N/A / DESIGNATION _"=_' / 1801726
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 57+50 TO STA. 60+50 "A3"	SURVEY BOOK / SHEETS 170 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726

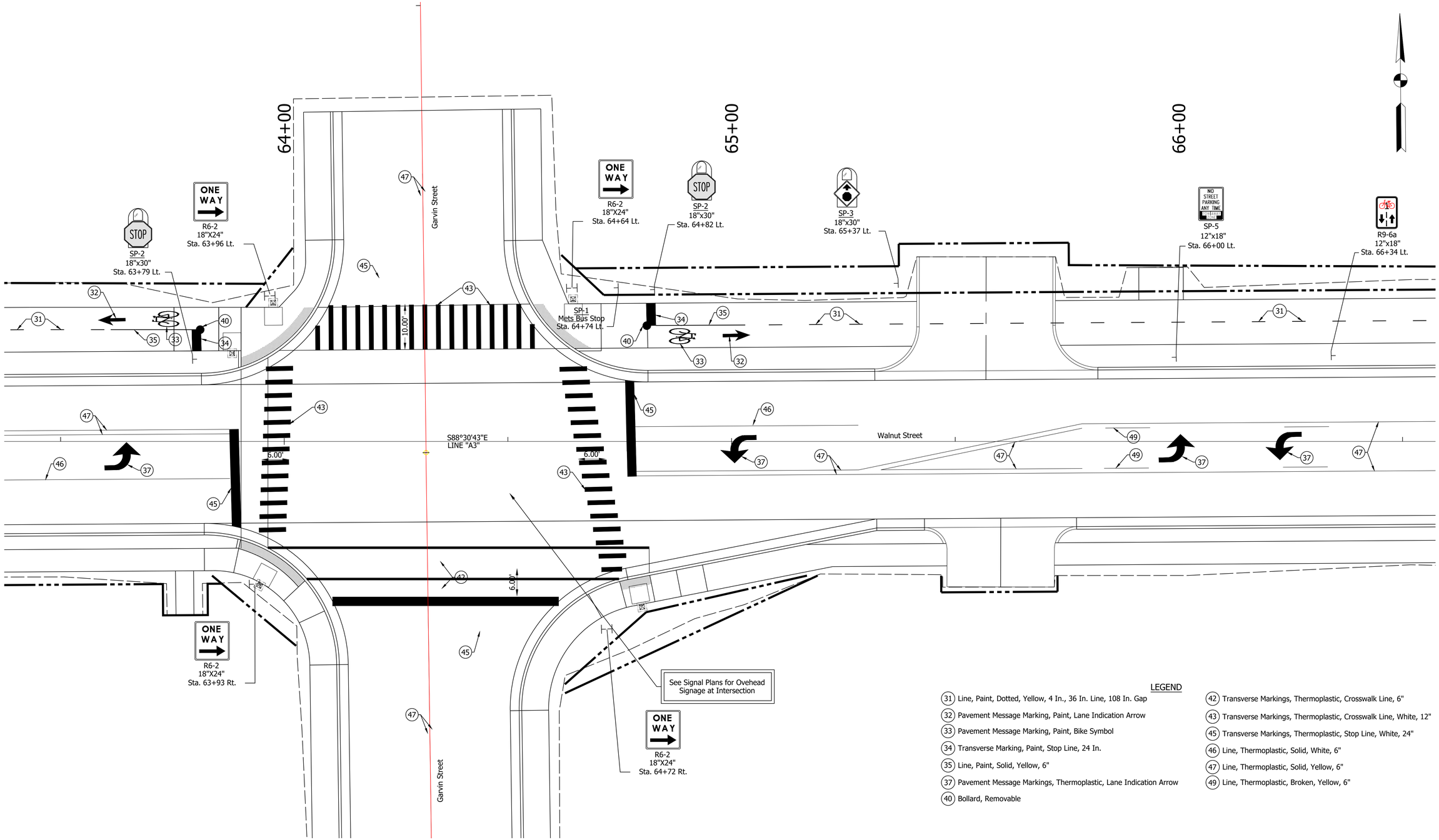


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:31pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\SignPntMark\Sign Pvmt Mrkng 51-63.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE: _"=_'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 60+50 TO STA. 63+50 "A3"	BRIDGE FILE: N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION: 1801726
			SURVEY BOOK:
			SHEETS: 171 of --
			CONTRACT: R-41599
			PROJECT: 1801726



LEGEND

- (31) Line, Paint, Dotted, Yellow, 4 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

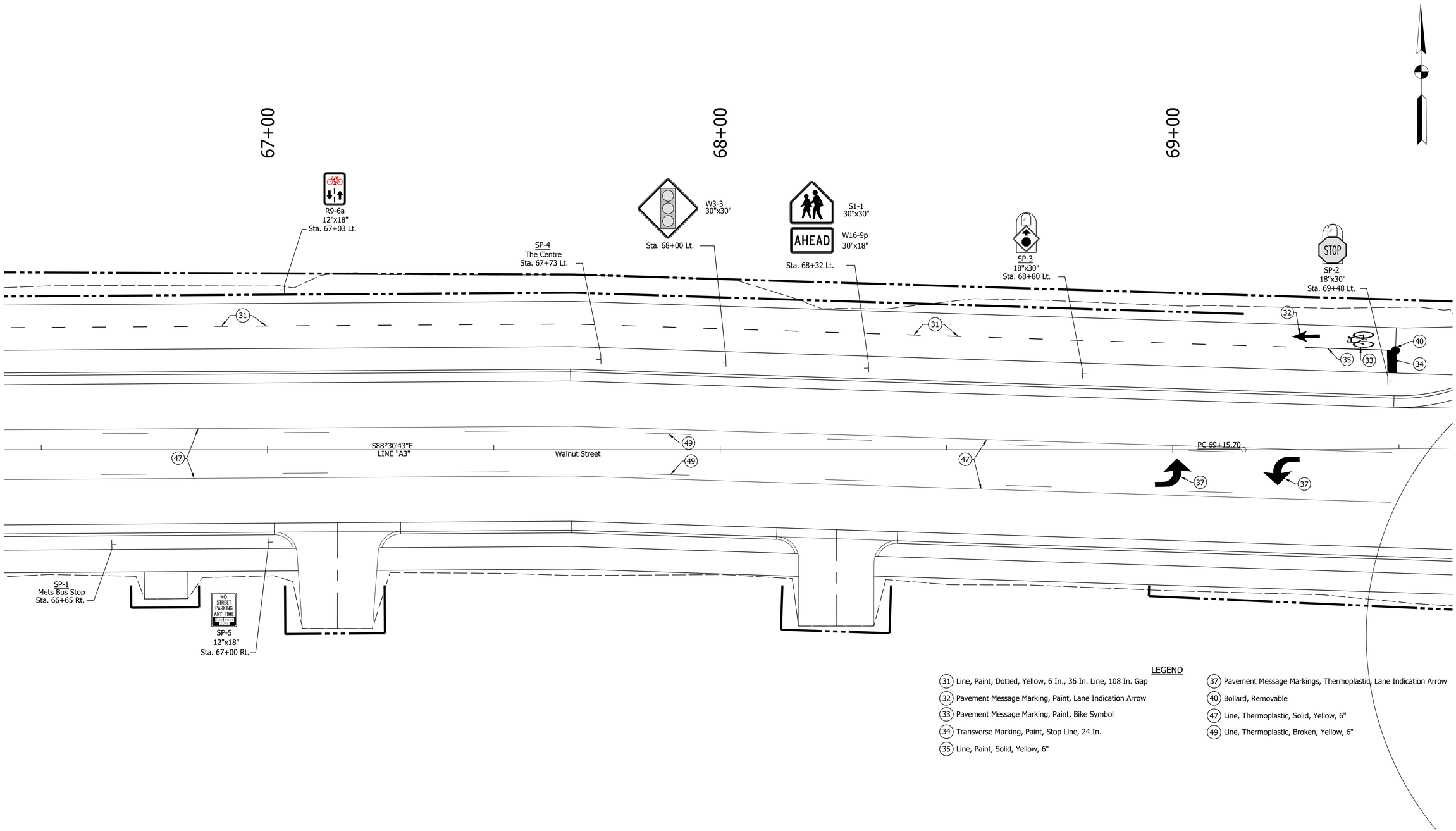
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 63+50 TO STA. 66+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
"=_'	1801726
SURVEY BOOK	SHEETS
	172 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:32pm User Name: dwayne
File: S:_2017\117-00\3\Road\CAD_Phase 3\SignsPvmtMark\Sign Pvmt Mrking S1-69.dwg



LEGEND

31 Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
32 Pavement Message Marking, Paint, Lane Indication Arrow
33 Pavement Message Marking, Paint, Bike Symbol
34 Transverse Marking, Paint, Stop Line, 24 In.
35 Line, Paint, Solid, Yellow, 6"
37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow
40 Bollard, Removable
47 Line, Thermoplastic, Solid, Yellow, 6"
49 Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:33pm User Name: dwayne
File: S:\L2017\1172009\Road\CAD_Phase 3\SignsPmtMark\Sign Pvmt Mrking 51-69.dwg

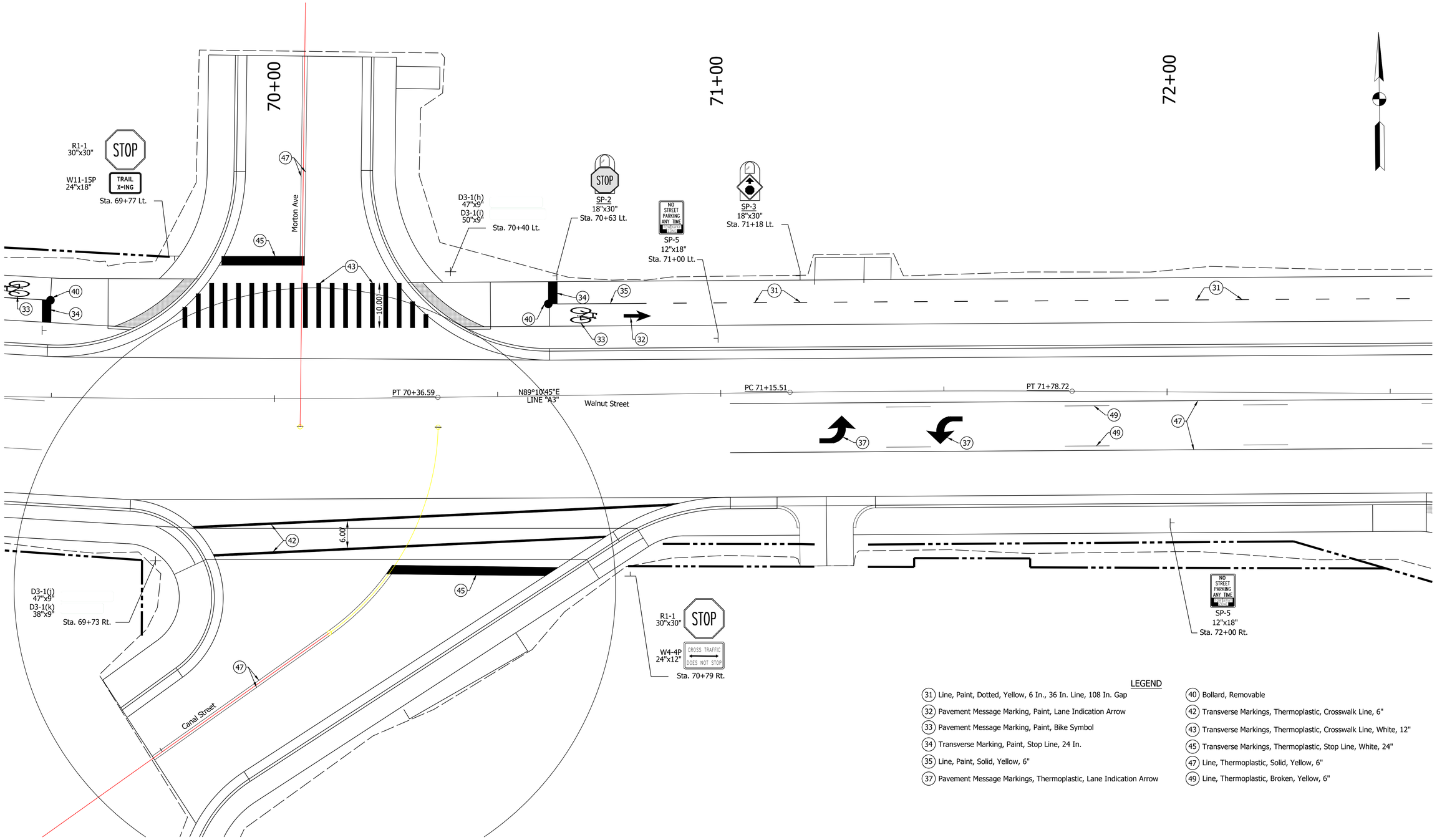
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 66+50 TO STA. 69+50 "A3"

SCALE	BRIDGE FILE
"= '	N/A
	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	173 of --
CONTRACT	PROJECT
R-41599	1801726

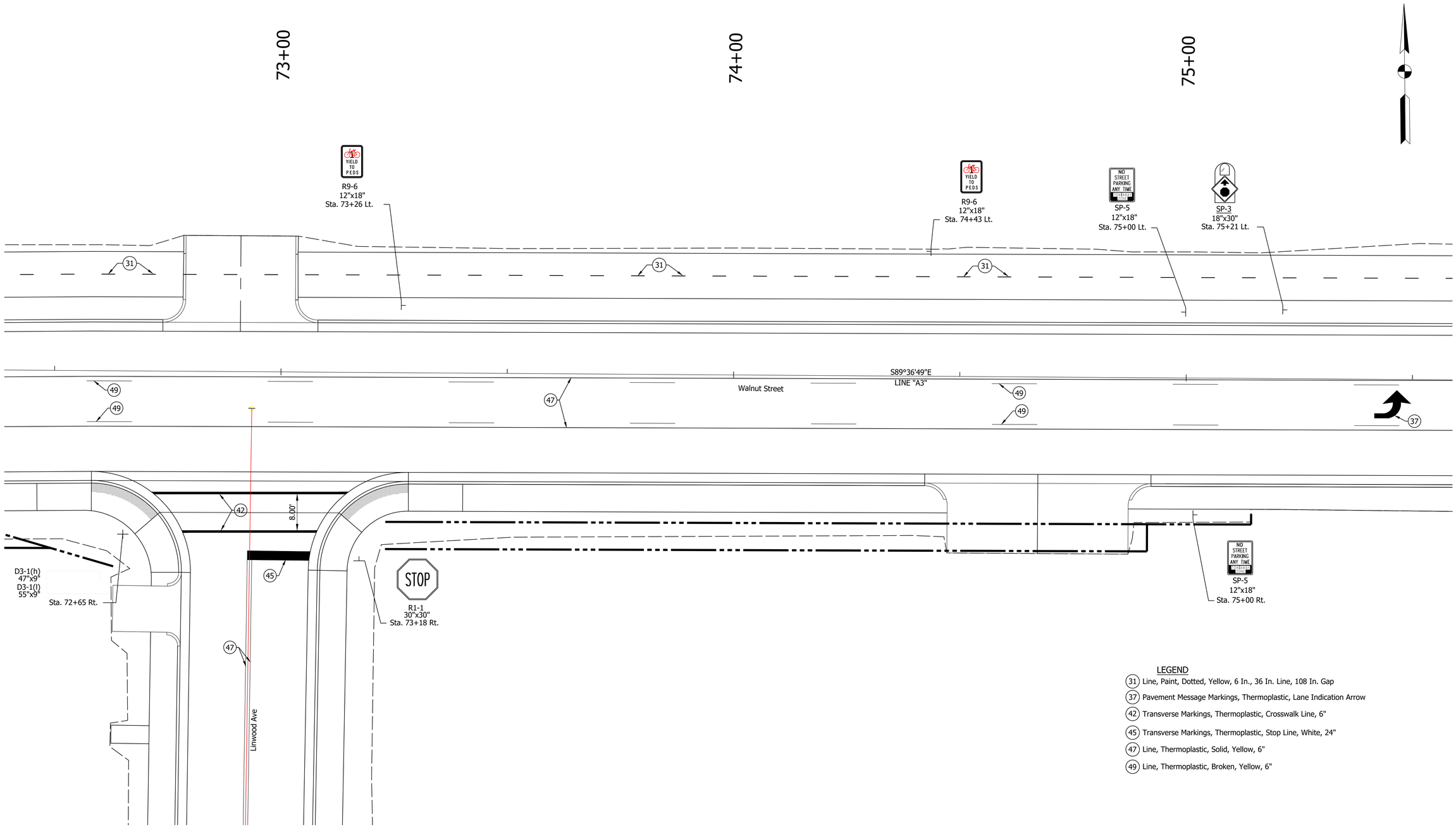


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 2:34pm User Name: dwayne
File: S:\L2017\1127-0093\Road\CAD_Phase 3\SignsPvmtMark\Sign Pvmt Mrking 69-87.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE "= ' / "= '
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 69+50 TO STA. 72+50 "A3"	BRIDGE FILE N/A / DESIGNATION 1801726
CHECKED: JAW	CHECKED: JAF		SURVEY BOOK / SHEETS 174 of --
			CONTRACT R-41599 / PROJECT 1801726



LEGEND

(31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap

(37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow

(42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"

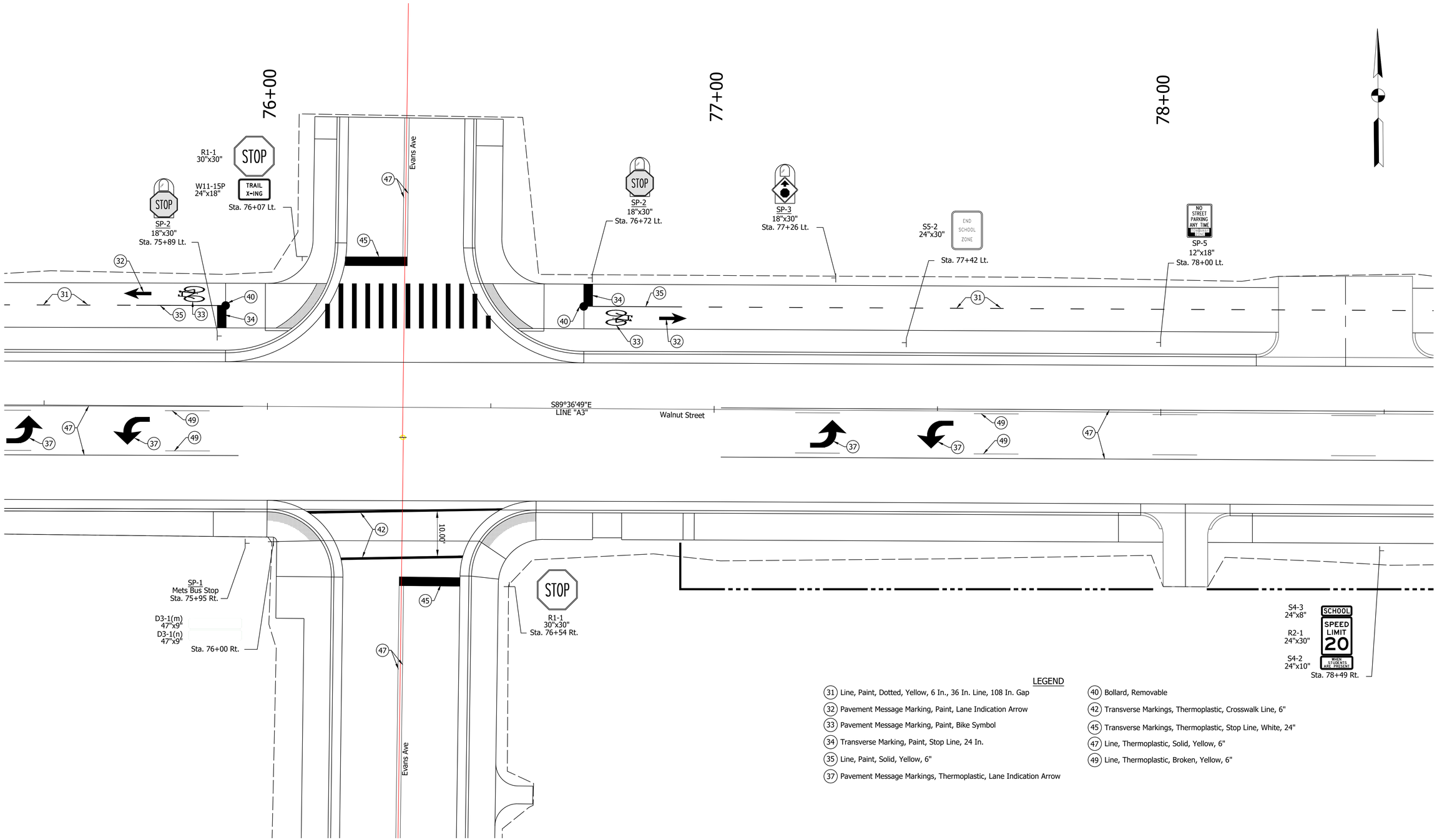
(45) Transverse Markings, Thermoplastic, Stop Line, White, 24"

(47) Line, Thermoplastic, Solid, Yellow, 6"

(49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:35pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\SignPntMrk\Sign Pvmt Mrking 69-87.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_' / BRIDGE FILE N/A / DESIGNATION _"=_' / 1801726
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 72+50 TO STA. 75+50 "A3"	SURVEY BOOK / SHEETS 175 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726

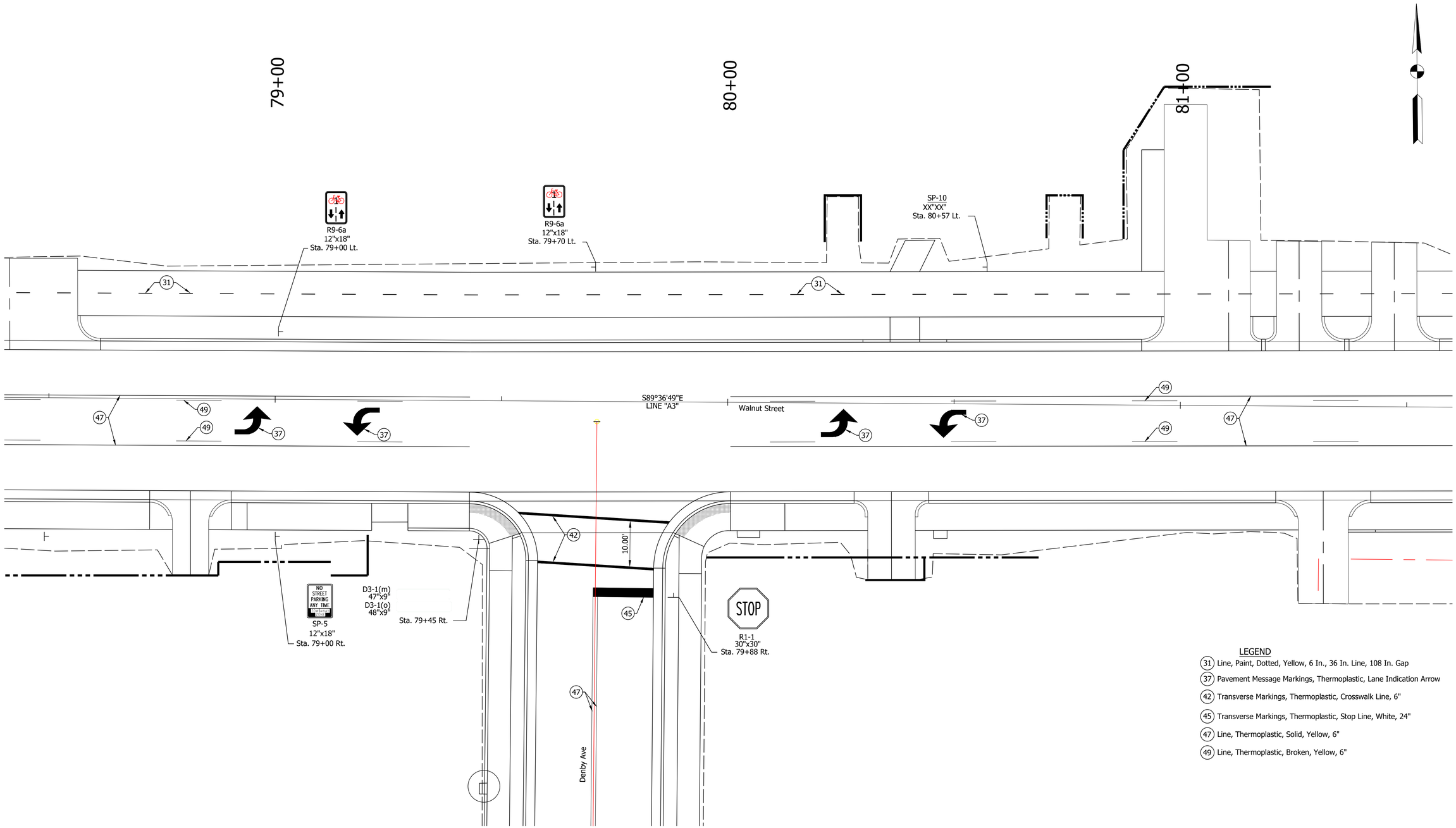


LEGEND

31 Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
32 Pavement Message Marking, Paint, Lane Indication Arrow
33 Pavement Message Marking, Paint, Bike Symbol
34 Transverse Marking, Paint, Stop Line, 24 In.
35 Line, Paint, Solid, Yellow, 6"
37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow
40 Bollard, Removable
42 Transverse Markings, Thermoplastic, Crosswalk Line, 6"
45 Transverse Markings, Thermoplastic, Stop Line, White, 24"
47 Line, Thermoplastic, Solid, Yellow, 6"
49 Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:36pm User Name: dwayne
File: S:_001\1\17-004\Road\CAD_Phase 3\SignPmtMark\Sign Pvmt Mrking 69-87.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"= _ '
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 75+50 TO STA. 78+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION 1801726
			SURVEY BOOK
			SHEETS 176 of --
			CONTRACT R-41599
			PROJECT 1801726

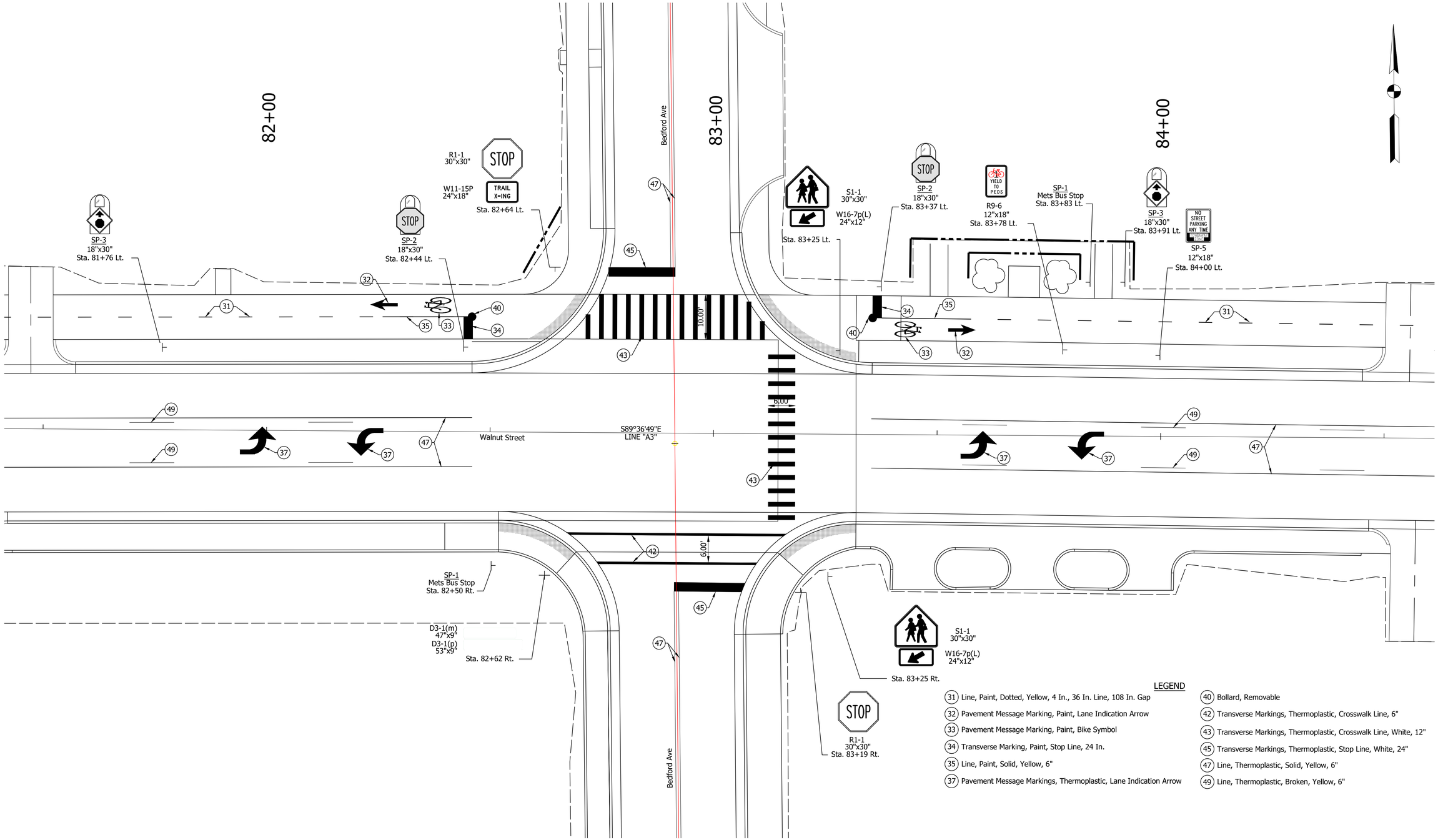


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:37pm User Name: dwayne
File: S:_2017\117-0093\Road\CAD_Phase 3\Signs\PvmtMark\Sign Pvmt Mrking 69-87.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"= _'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 78+50 TO STA. 81+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION _"= _' 1801726
			SURVEY BOOK
			SHEETS 177 of --
			CONTRACT R-41599
			PROJECT 1801726



LEGEND

31	Line, Paint, Dotted, Yellow, 4 In., 36 In. Line, 108 In. Gap
32	Pavement Message Marking, Paint, Lane Indication Arrow
33	Pavement Message Marking, Paint, Bike Symbol
34	Transverse Marking, Paint, Stop Line, 24 In.
35	Line, Paint, Solid, Yellow, 6"
37	Pavement Message Markings, Thermoplastic, Lane Indication Arrow
40	Bollard, Removable
42	Transverse Markings, Thermoplastic, Crosswalk Line, 6"
43	Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
45	Transverse Markings, Thermoplastic, Stop Line, White, 24"
47	Line, Thermoplastic, Solid, Yellow, 6"
49	Line, Thermoplastic, Broken, Yellow, 6"

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

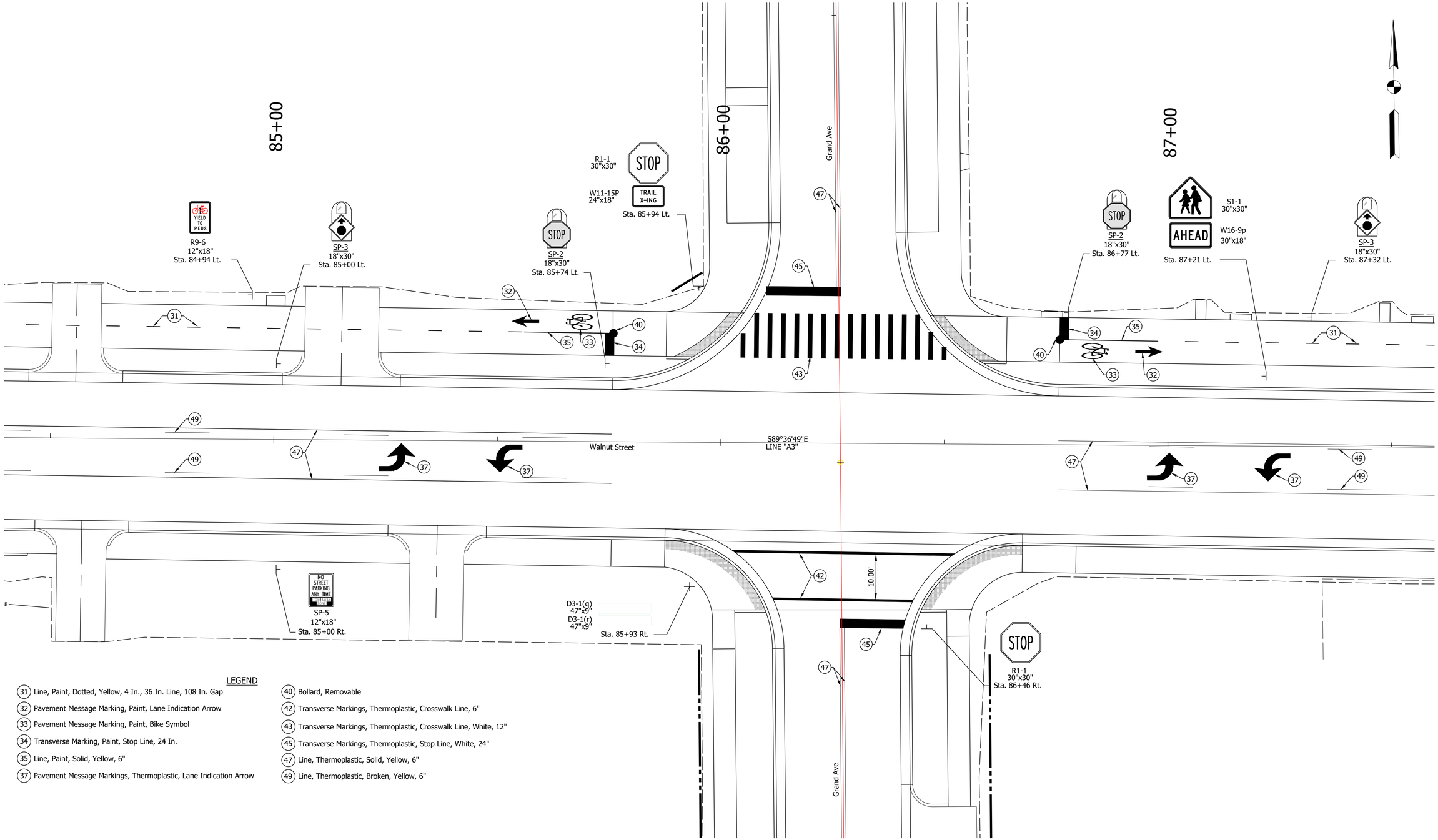
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 81+50 TO STA. 84+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	178 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:38pm User Name: dwayne
File: S:_2017\117-0453\Road\CAD_Phase 3\Signs+PvmtMark\Sign Pvmt Mrking 69-87.dwg



LEGEND

- (31) Line, Paint, Dotted, Yellow, 4 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

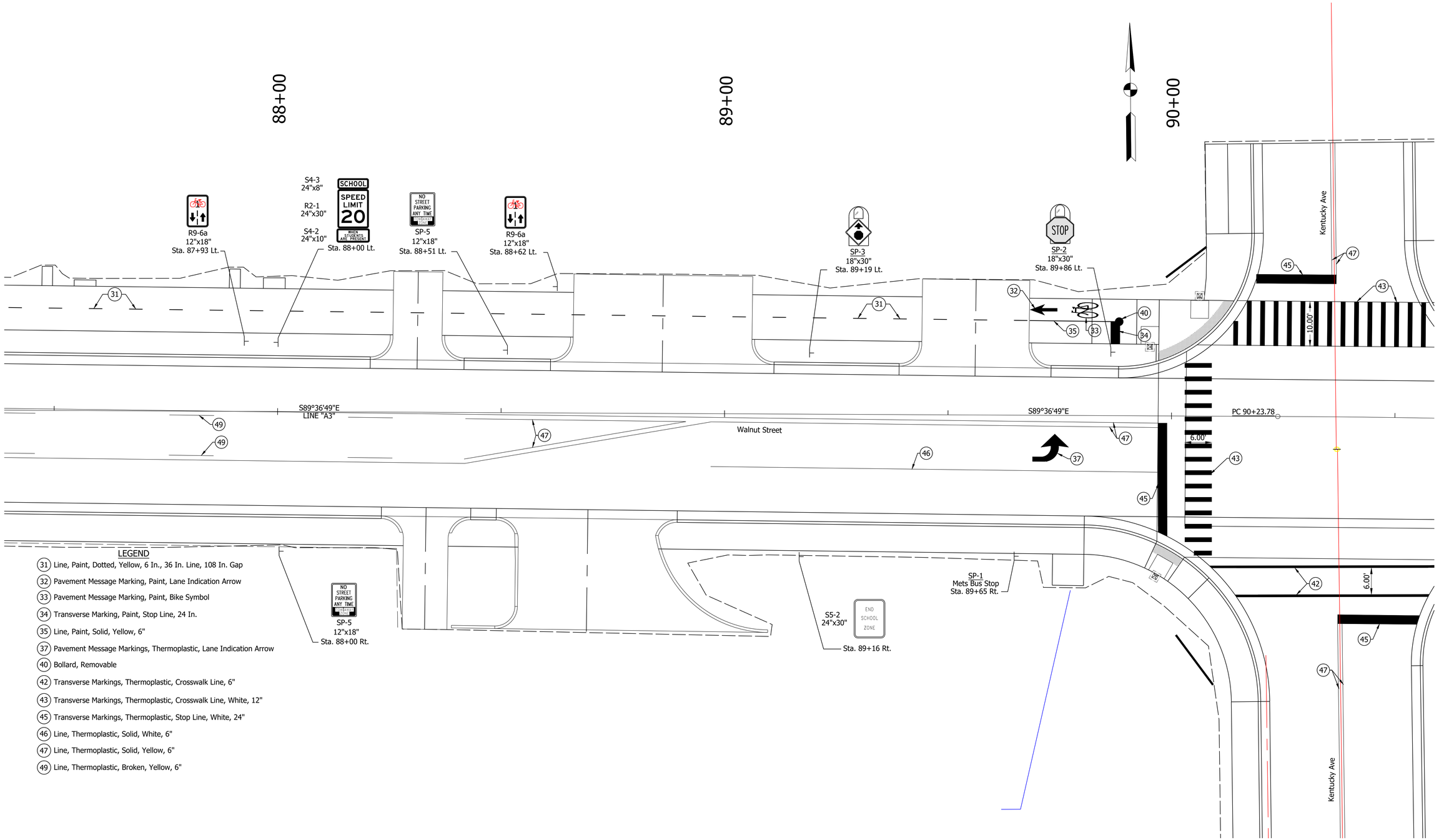
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 84+50 TO STA. 87+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	179 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:39pm User Name: dwayne
File: S:_2017\1172843\Road\CAD_Phase 3\Sign-PvmtMark\Sign Pvmt Mking 69-87.dwg

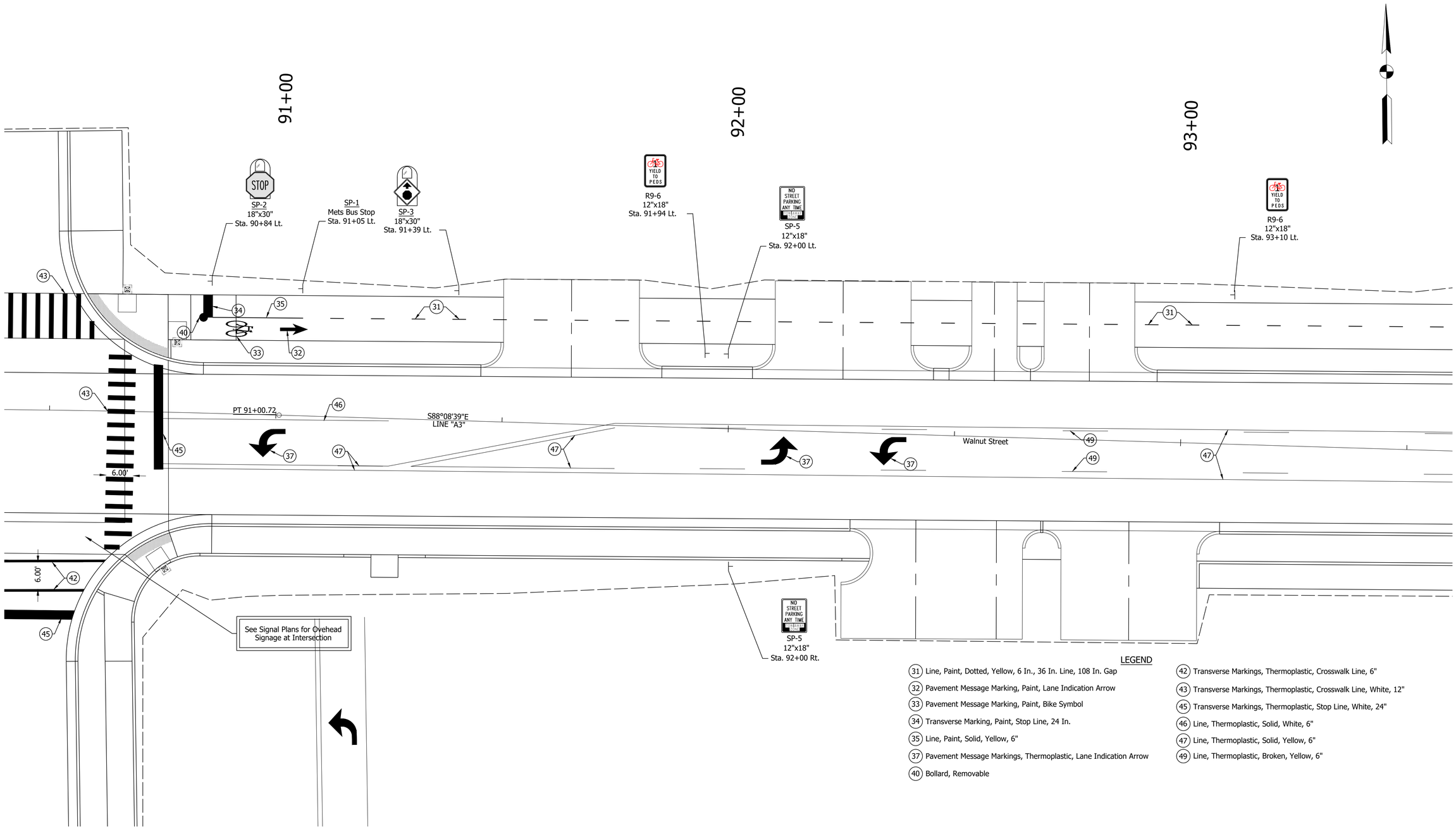


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:40pm User Name: dwayne
File: S:\L2017\1717-0093\Road\CAD_Phase 3\Signs-PvmtMark\Sign Pvmt Mrking 87-102.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE "=_'
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 87+50 TO STA. 90+50 "A3"	BRIDGE FILE N/A
CHECKED: JAW	CHECKED: JAF		DESIGNATION 1801726
			SURVEY BOOK
			SHEETS 180 of --
			CONTRACT R-41599
			PROJECT 1801726

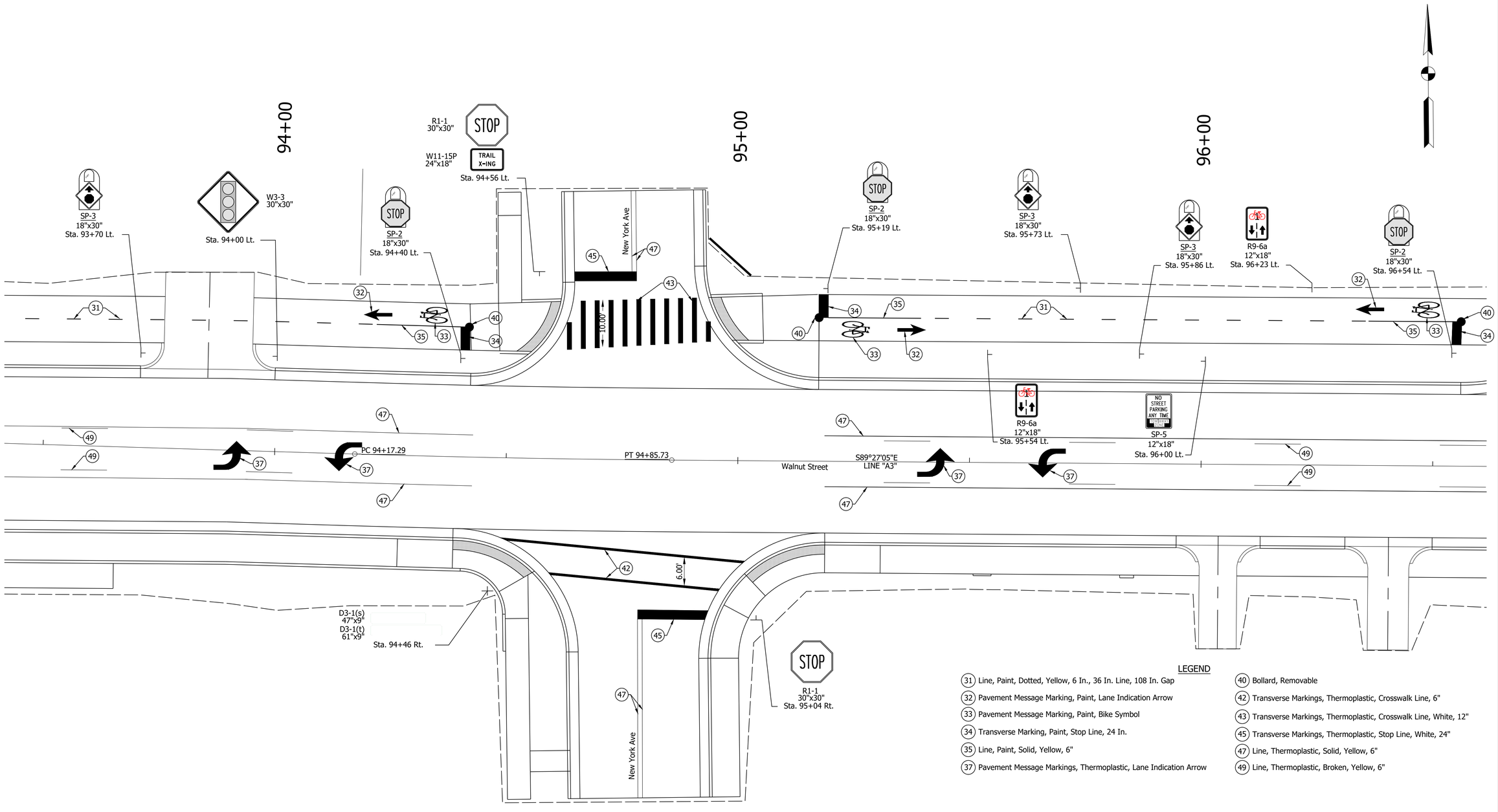


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:41pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\SignsPmntMark\Sign Pvmt Mrking 87-102.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"= _' / BRIDGE FILE N/A / DESIGNATION _"= ' / 1801726
DESIGNED: DAS	DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 90+50 TO STA. 93+50 "A3"	SURVEY BOOK / SHEETS 181 of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

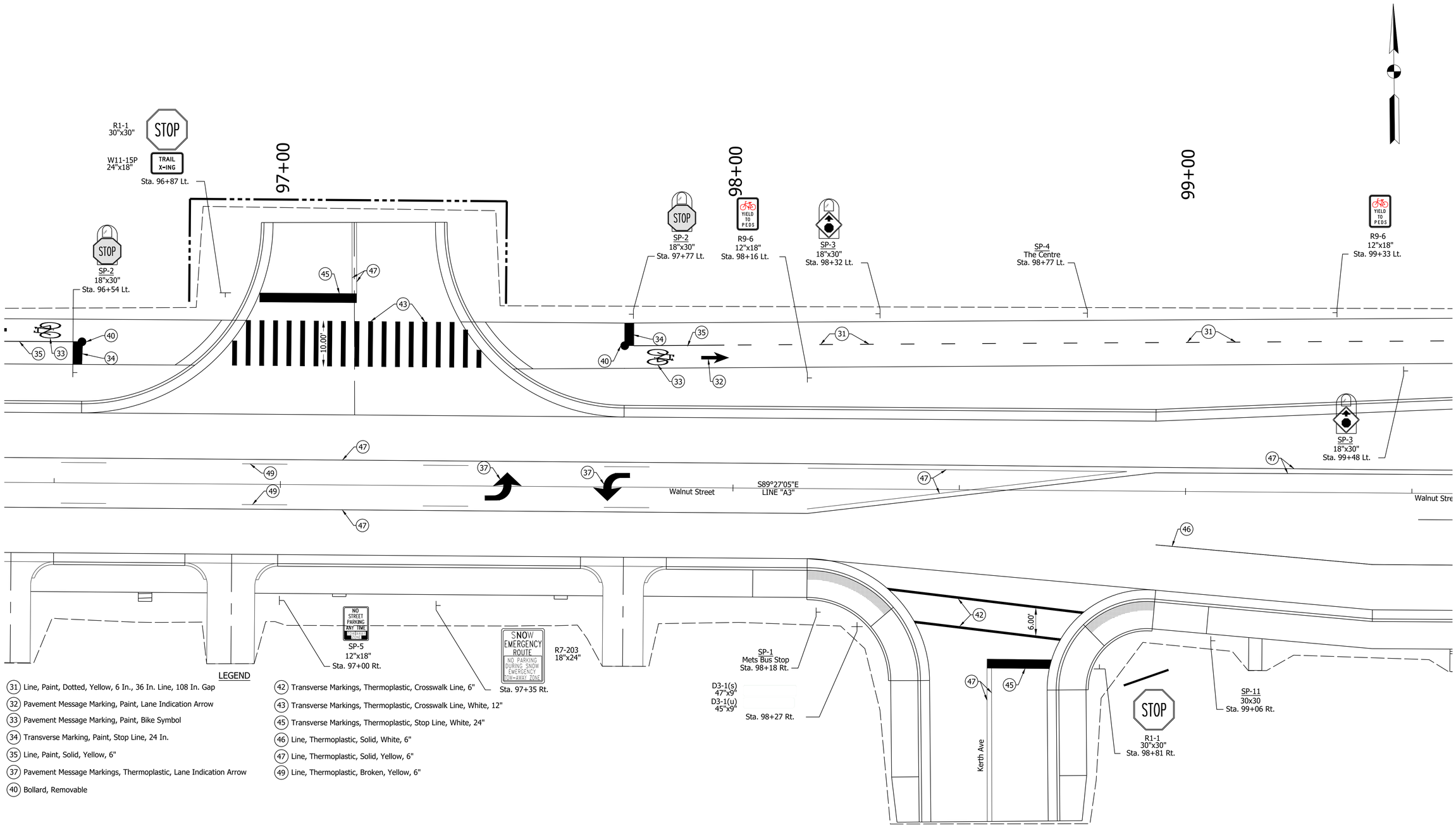
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN & PAVEMENT MARKINGS
STA. 93+50 TO STA. 96+50 "A3"

SCALE	BRIDGE FILE
_"=_'	N/A
	DESIGNATION
_"=_'	1801726
SURVEY BOOK	SHEETS
	182 of --
CONTRACT	PROJECT
R-41599	1801726

Date: Aug 22, 2022, 3:41pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\Signs+PvmtMark\Sign Permit Mrking 87-102.dwg

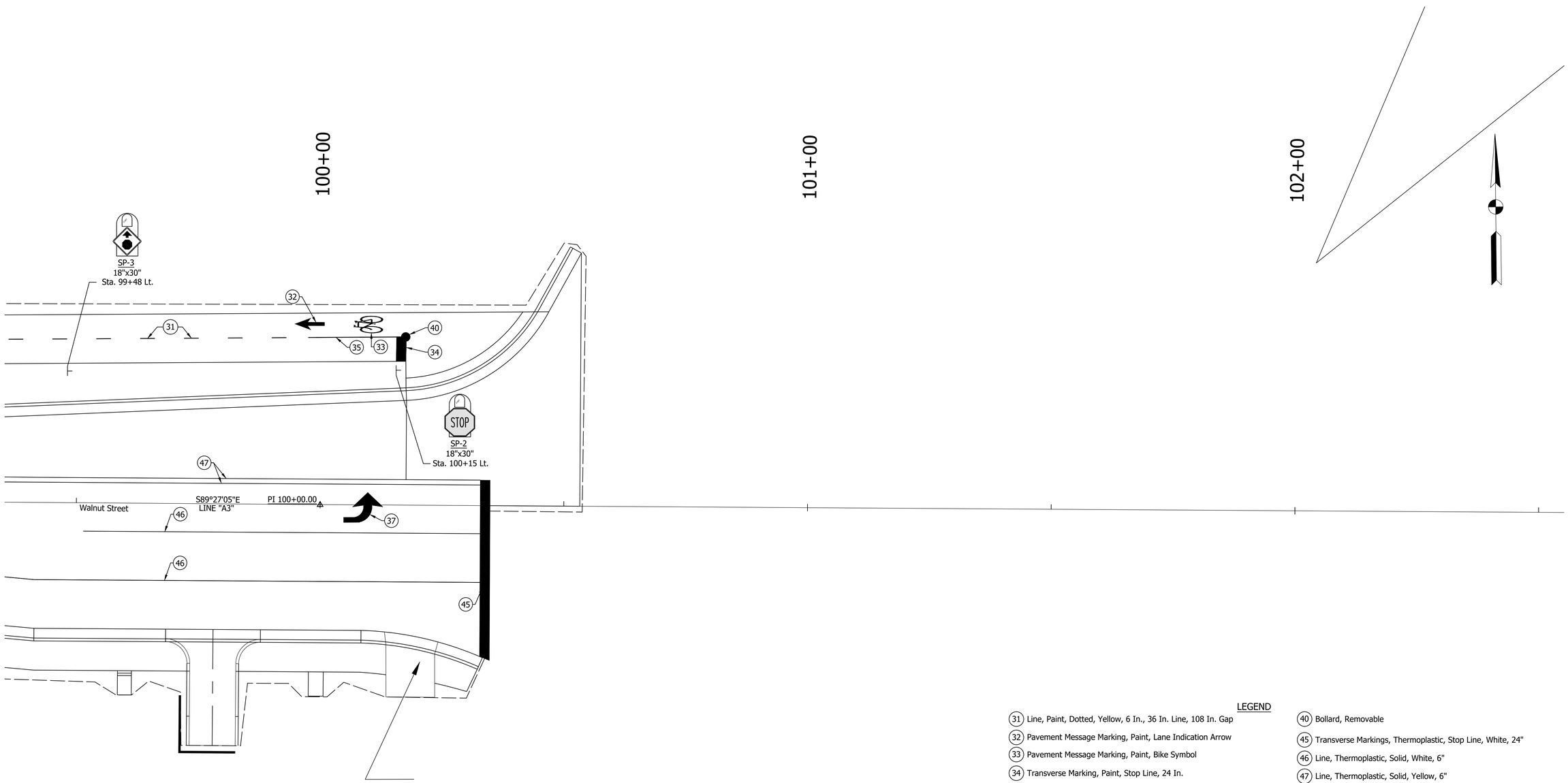


LEGEND

- (31) Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
- (32) Pavement Message Marking, Paint, Lane Indication Arrow
- (33) Pavement Message Marking, Paint, Bike Symbol
- (34) Transverse Marking, Paint, Stop Line, 24 In.
- (35) Line, Paint, Solid, Yellow, 6"
- (37) Pavement Message Markings, Thermoplastic, Lane Indication Arrow
- (40) Bollard, Removable
- (42) Transverse Markings, Thermoplastic, Crosswalk Line, 6"
- (43) Transverse Markings, Thermoplastic, Crosswalk Line, White, 12"
- (45) Transverse Markings, Thermoplastic, Stop Line, White, 24"
- (46) Line, Thermoplastic, Solid, White, 6"
- (47) Line, Thermoplastic, Solid, Yellow, 6"
- (49) Line, Thermoplastic, Broken, Yellow, 6"

Date: Aug 22, 2022, 3:42pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\Signs+PvmtMark\Sign Pvmt Mrkng 87-102.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE _"=_' / BRIDGE FILE N/A
		DESIGNATION _"=_' / 1801726
DESIGNED: DAS / DRAWN: DAS	PROPOSED SIGN & PAVEMENT MARKINGS STA. 96+50 TO STA. 99+50 "A3"	SURVEY BOOK / SHEETS 183 of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726



LEGEND

31 Line, Paint, Dotted, Yellow, 6 In., 36 In. Line, 108 In. Gap
32 Pavement Message Marking, Paint, Lane Indication Arrow
33 Pavement Message Marking, Paint, Bike Symbol
34 Transverse Marking, Paint, Stop Line, 24 In.
35 Line, Paint, Solid, Yellow, 6"
37 Pavement Message Markings, Thermoplastic, Lane Indication Arrow
40 Bollard, Removable
45 Transverse Markings, Thermoplastic, Stop Line, White, 24"
46 Line, Thermoplastic, Solid, White, 6"
47 Line, Thermoplastic, Solid, Yellow, 6"

Date: Aug 22, 2022, 3:43pm User Name: dwayne
File: S:_2017\17-004\Road\CAD_Phase 3\SignsPmntMark\Sign Pvmt Mrking 97-102.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

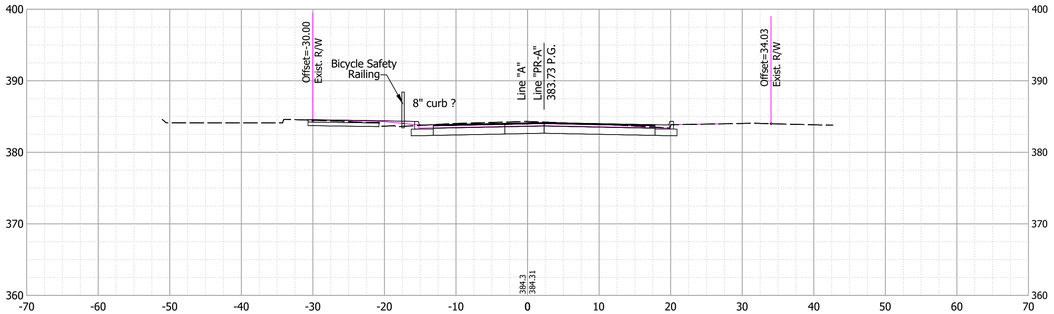
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

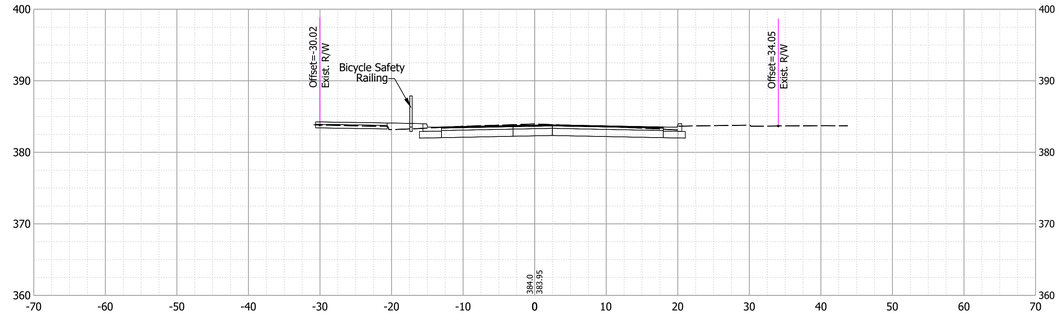
PROPOSED SIGN & PAVEMENT MARKINGS
STA. 99+50 TO STA. 102+50 "A3"

SCALE	BRIDGE FILE
_"= _'	N/A
	DESIGNATION
"= '	1801726
SURVEY BOOK	SHEETS
	184 of --
CONTRACT	PROJECT
R-41599	1801726

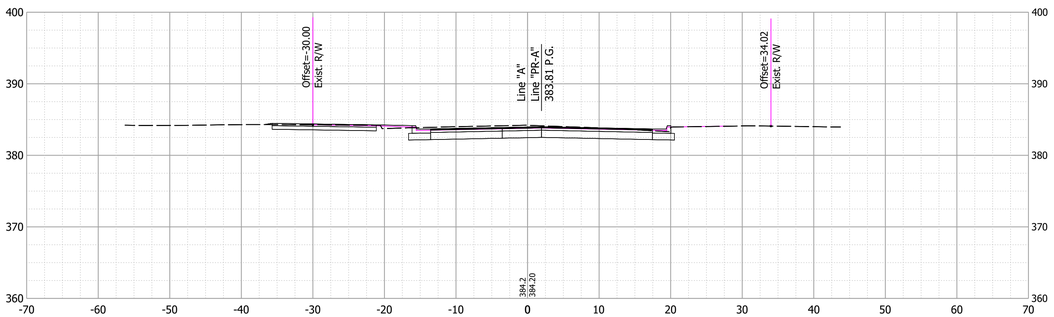
35+00



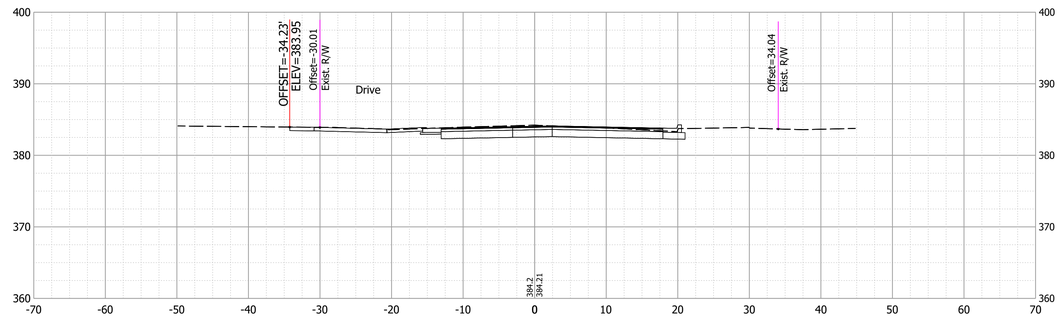
36+00



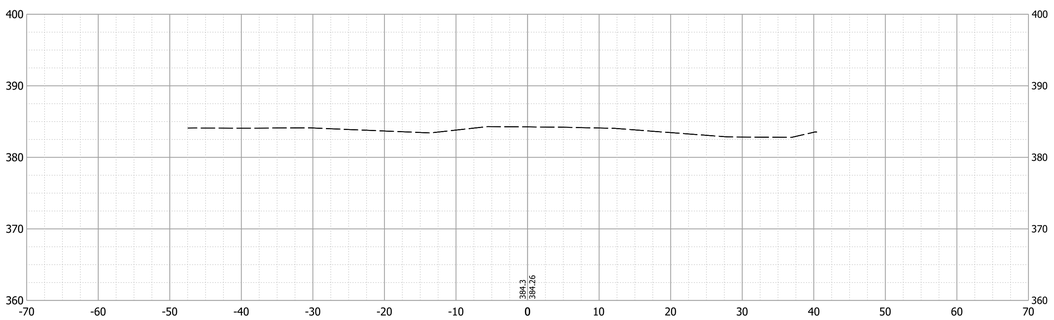
34+50



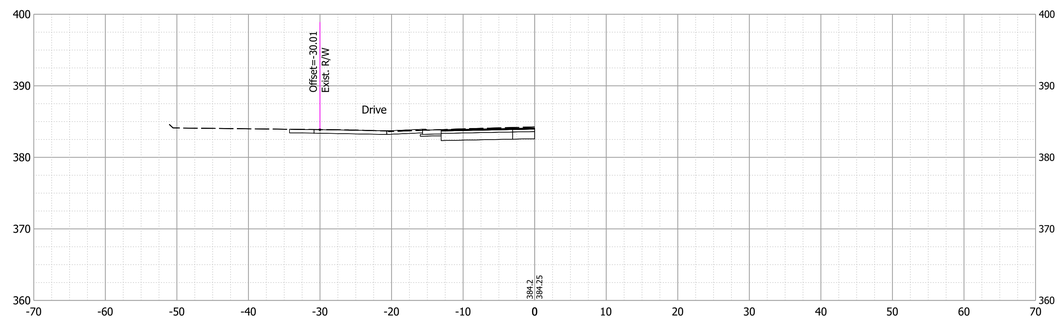
35+50



34+00



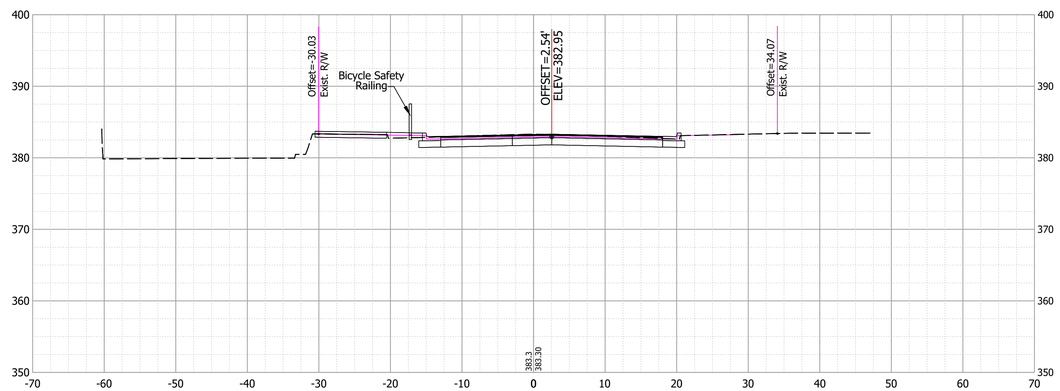
35+40



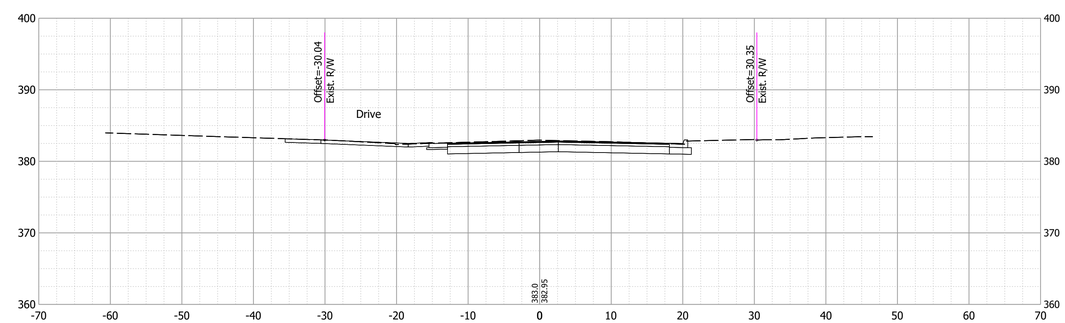
Date: Aug 22, 2022, 2:37pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' / BRIDGE FILE N/A / VERTICAL SCALE 1"=10' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK / SHEETS ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726

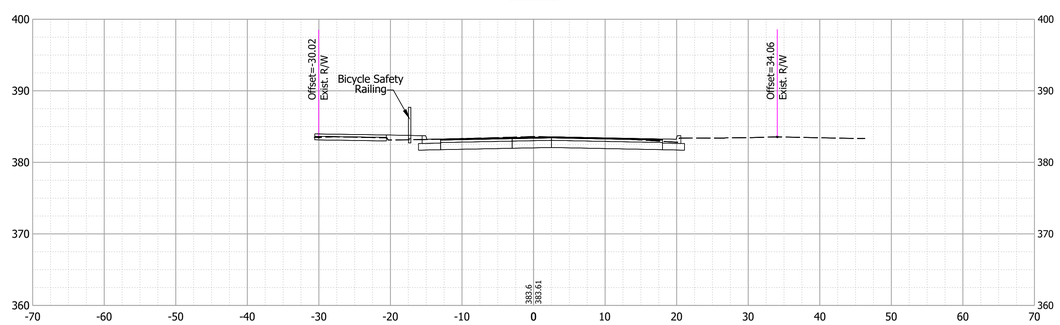
37+00



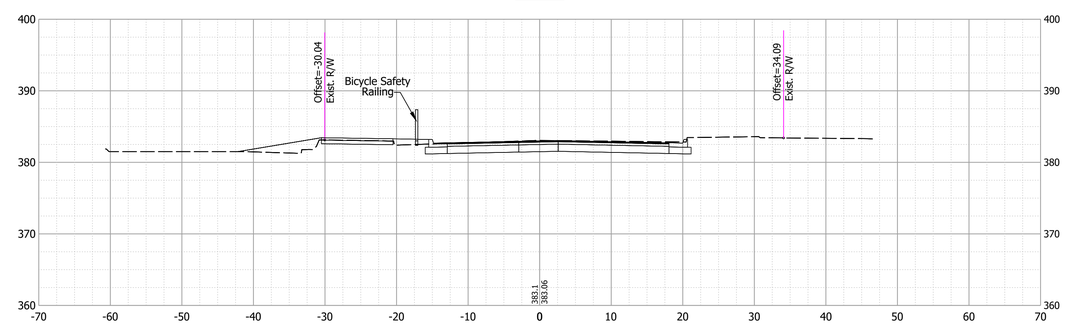
38+00



36+50



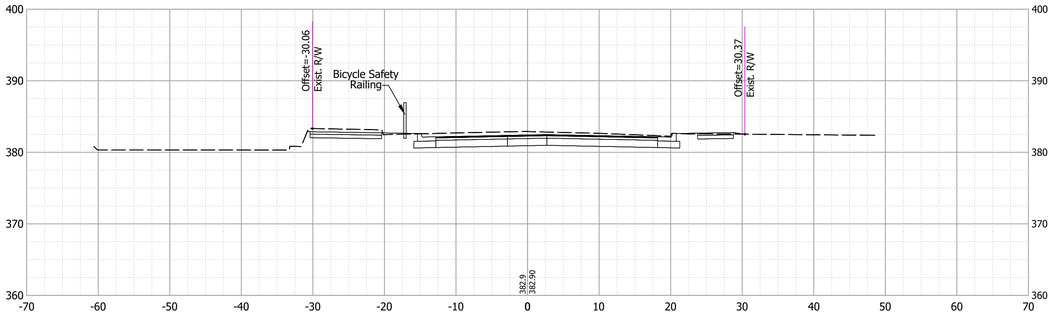
37+50



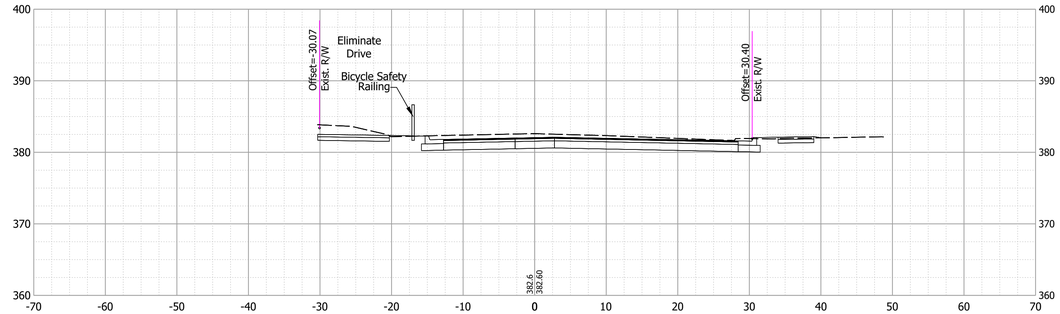
Date: Aug 22, 2022, 2:37pm User Name: dwayne
File: S:_2017\17-0043\Road\CAD_Phase 3\CrossSect\Vsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A
		VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS / DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: / SHEETS: ---- of --
CHECKED: JAW / CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

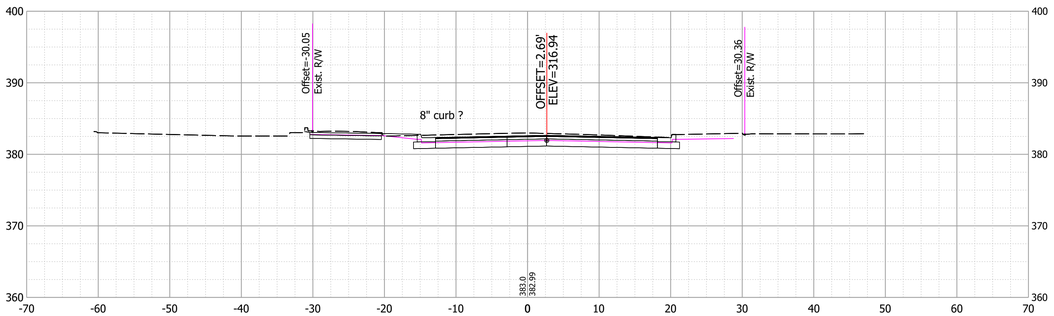
39+00



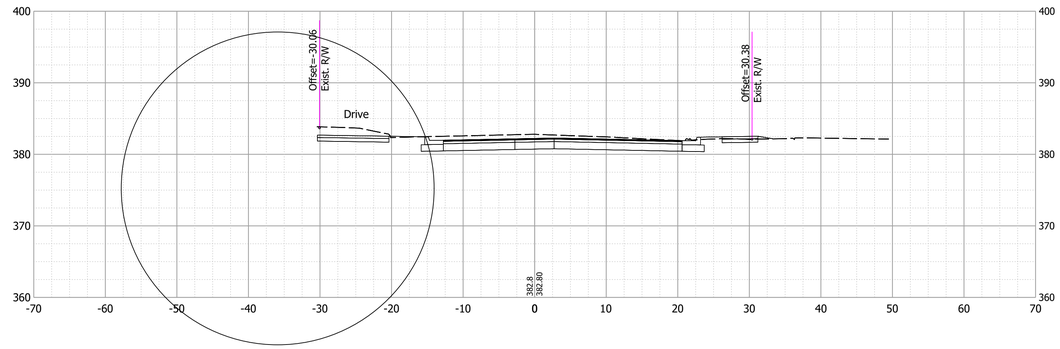
40+00



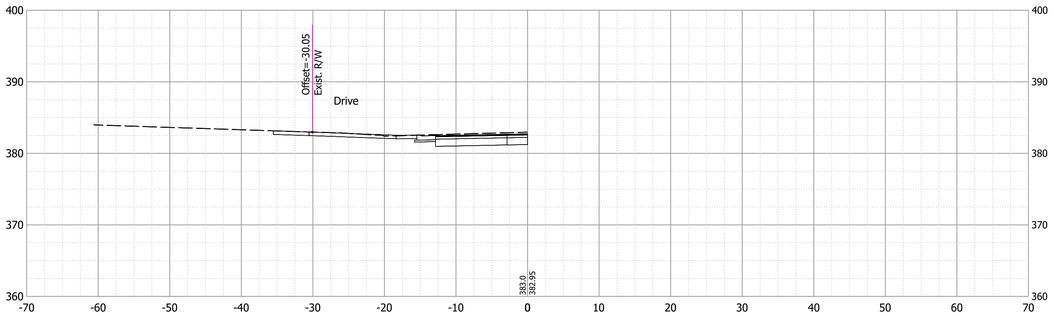
38+50



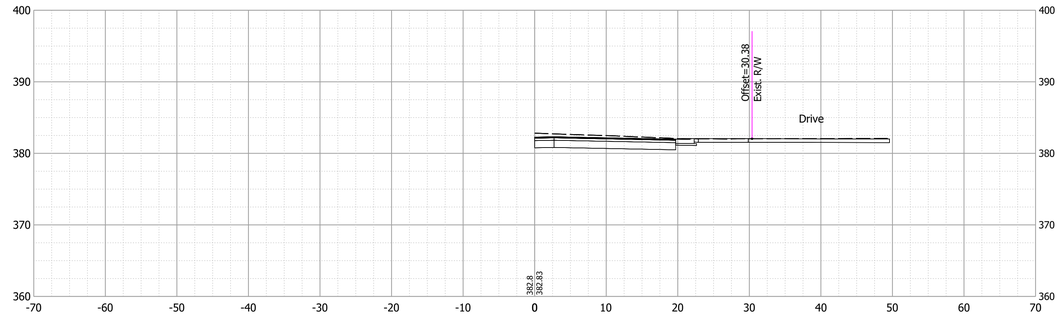
39+50



38+15



39+38



Date: Aug 22, 2022, 2:27pm User Name: dwayne
File: S:_2017\1170403\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

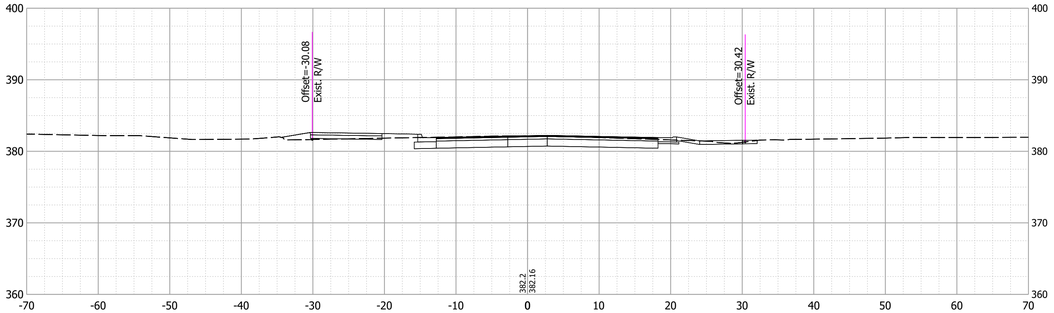
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

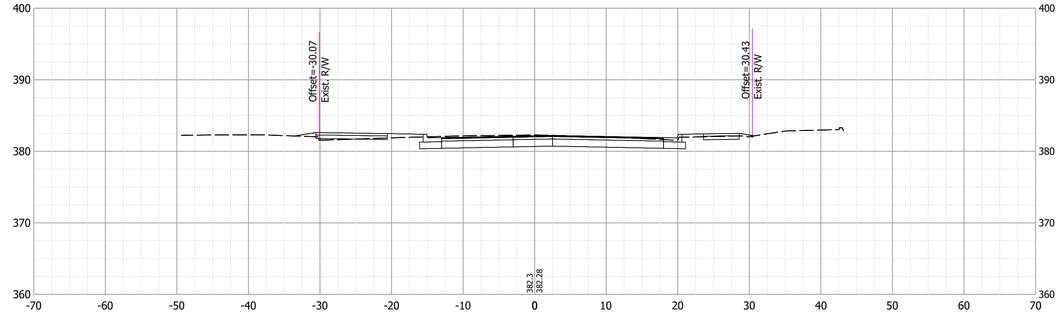
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

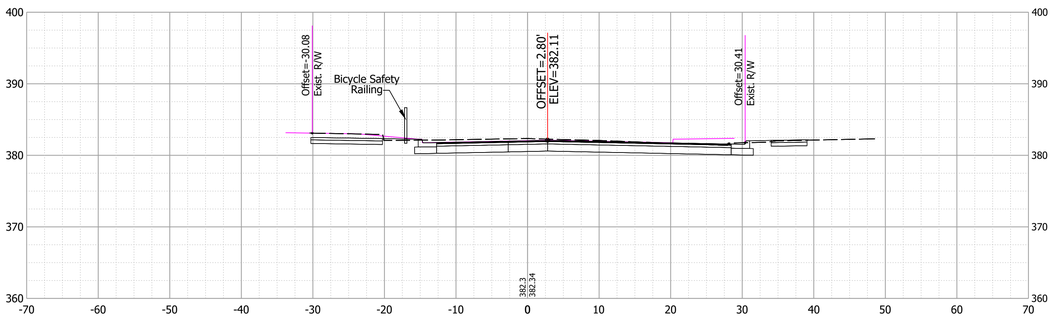
41+00



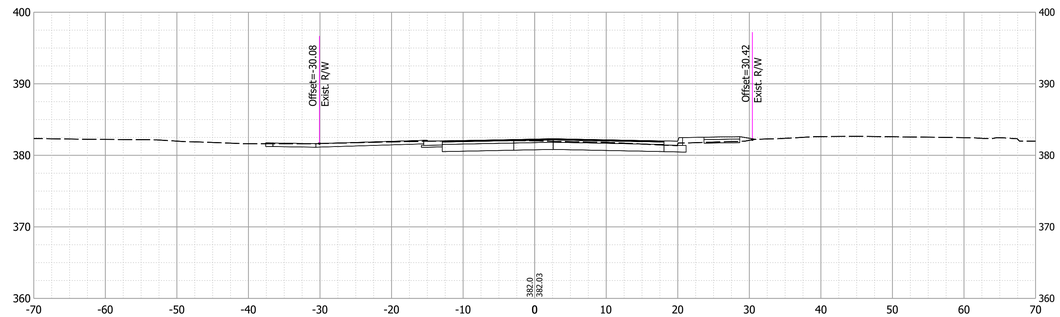
42+00



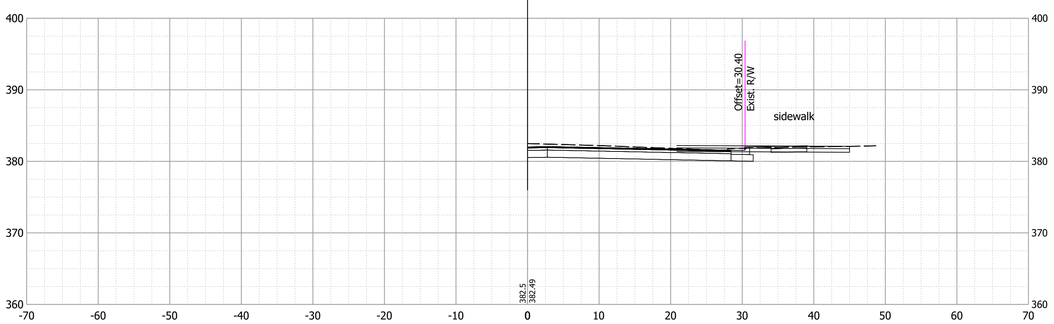
40+50



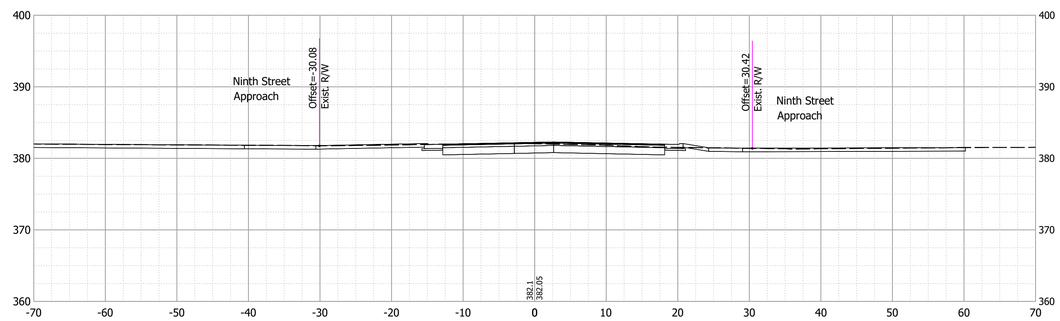
41+50



40+20



41+25

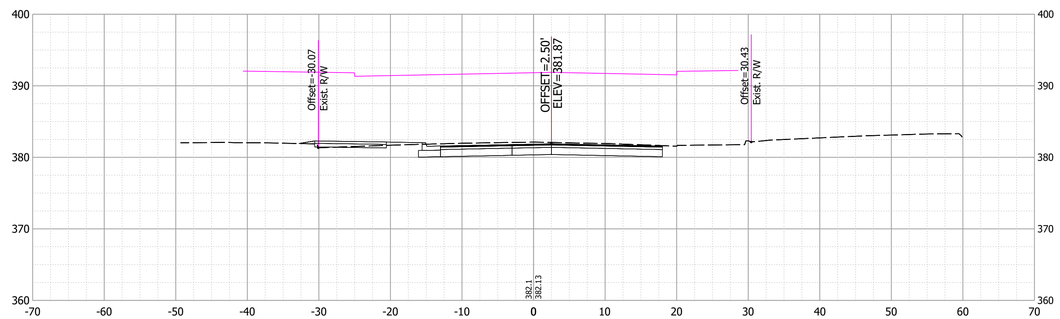


Date: Aug 22, 2022, 2:38pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

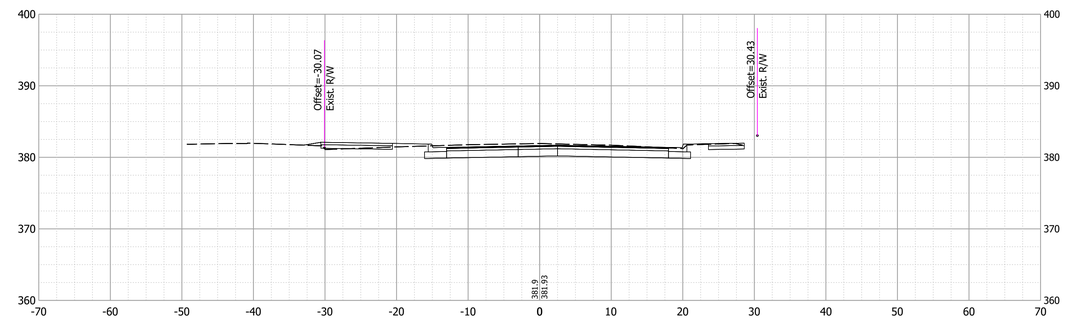
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
		VERTICAL SCALE 1"=10'	DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	SURVEY BOOK	SHEETS ---- of --
CHECKED: JAW	CHECKED: JAF	CONTRACT R-41599	PROJECT 1801726

CROSS SECTIONS - LINE "A" & LINE "PR-A"

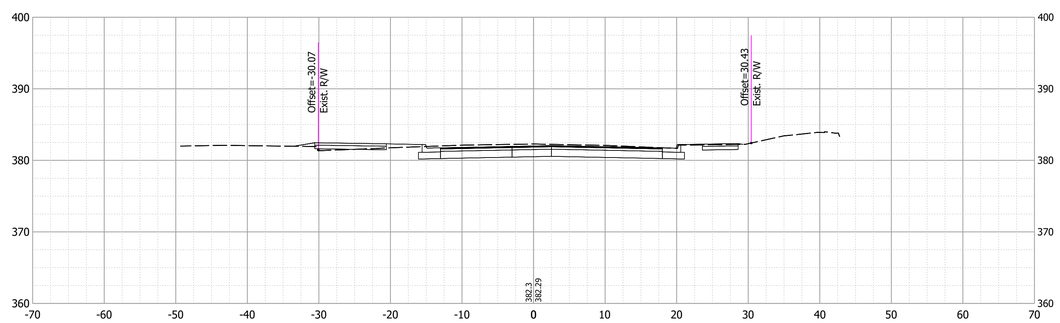
43+00



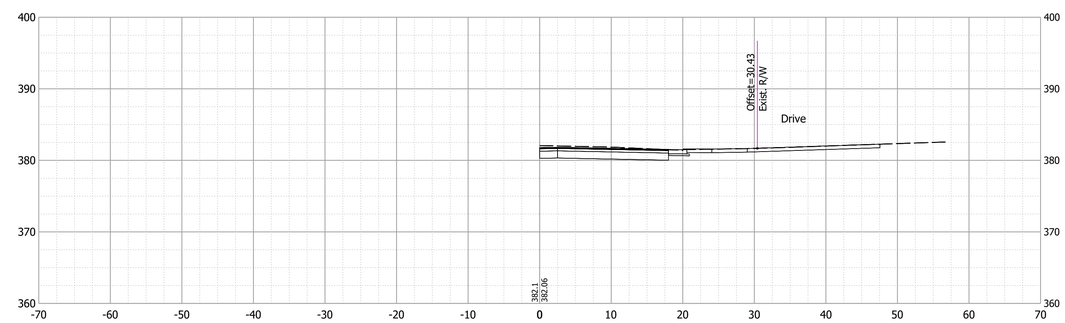
43+50



42+50



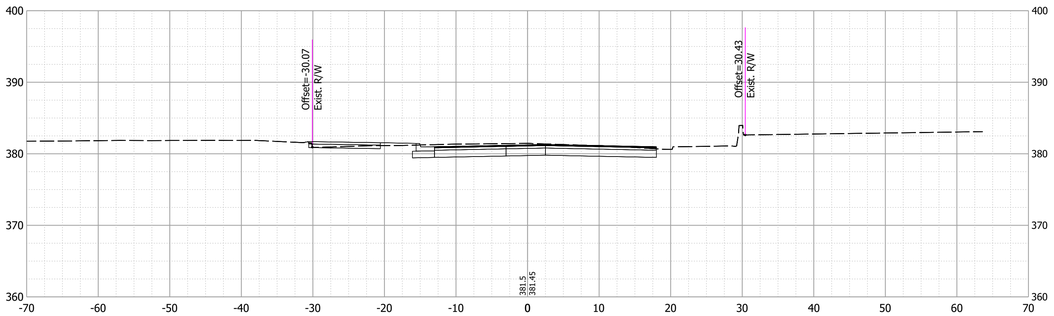
43+17



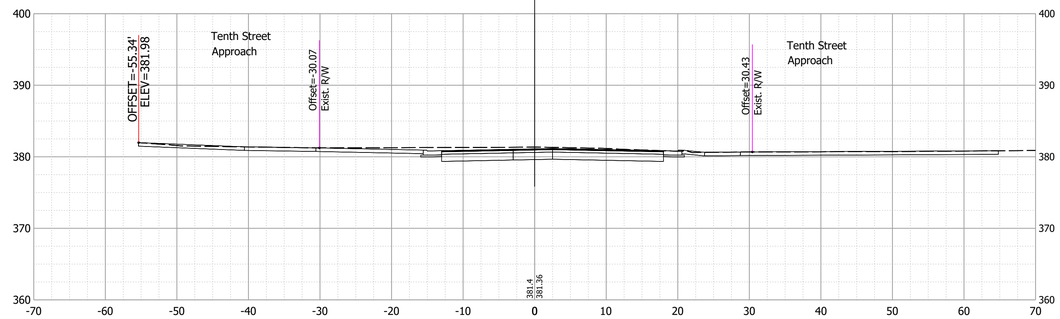
Date: Aug 22, 2022, 2:38pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
		VERTICAL SCALE 1"=10'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK	SHEETS ---- of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726

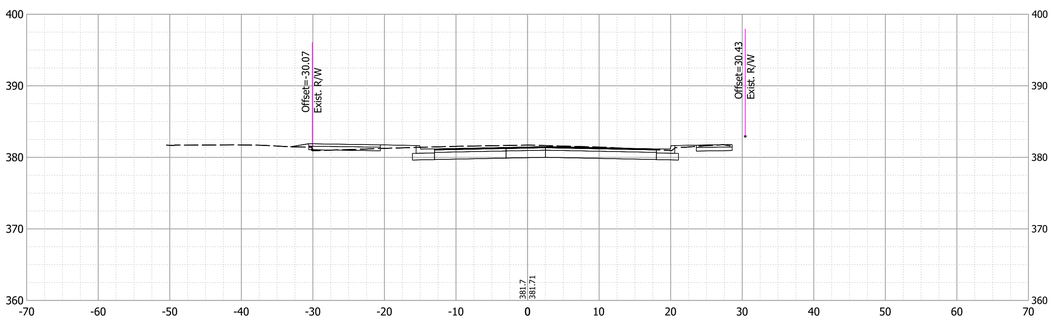
44+50



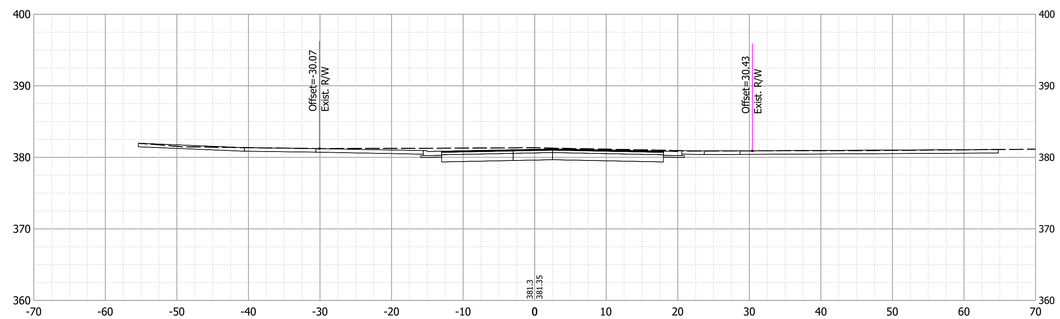
45+00



44+00



44+90



Date: Aug 22, 2022, 2:39pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

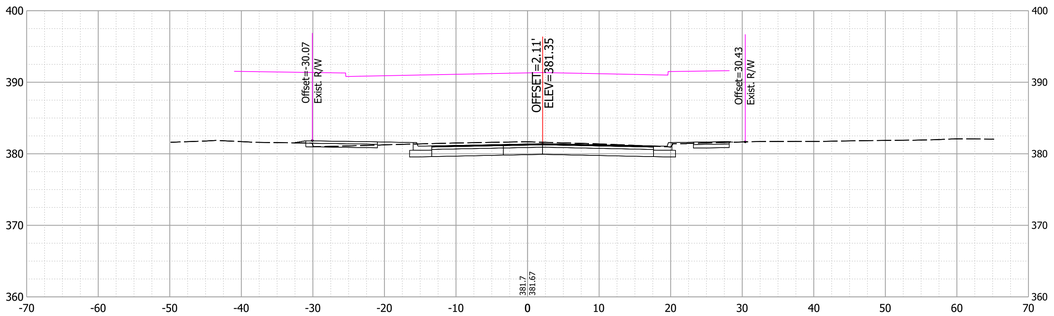
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

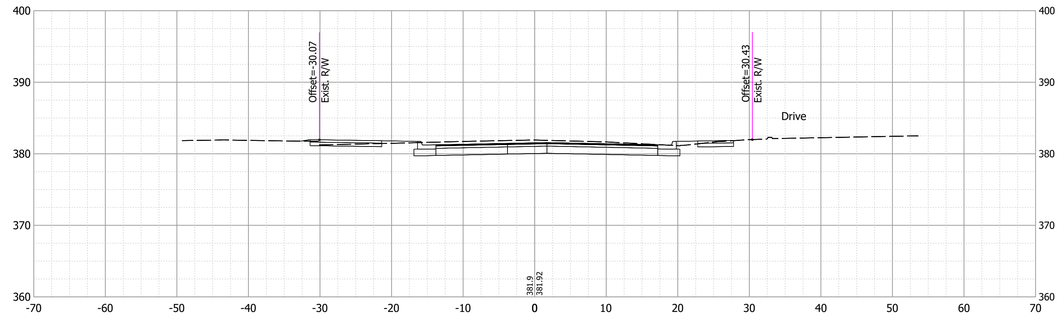
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

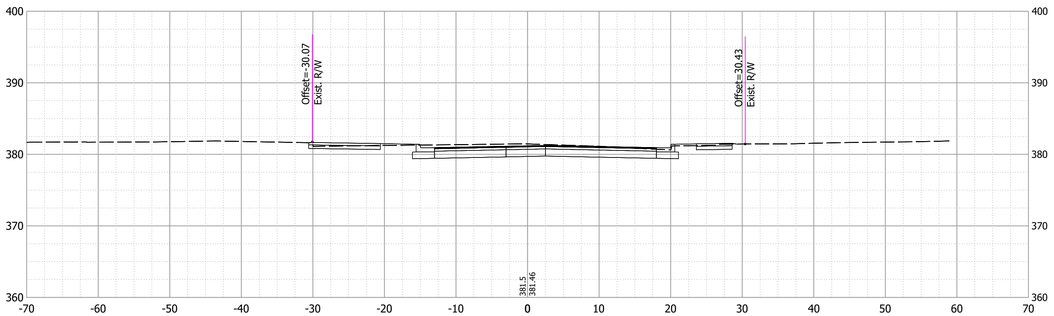
46+00



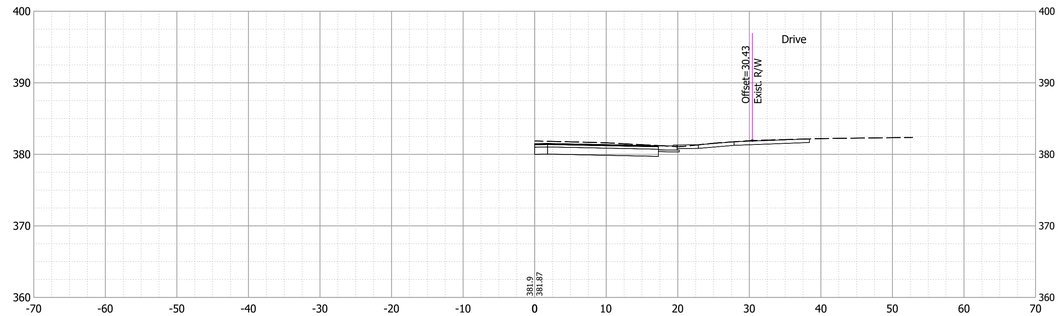
46+50



45+50



46+38



Date: Aug 22, 2022, 2:39pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

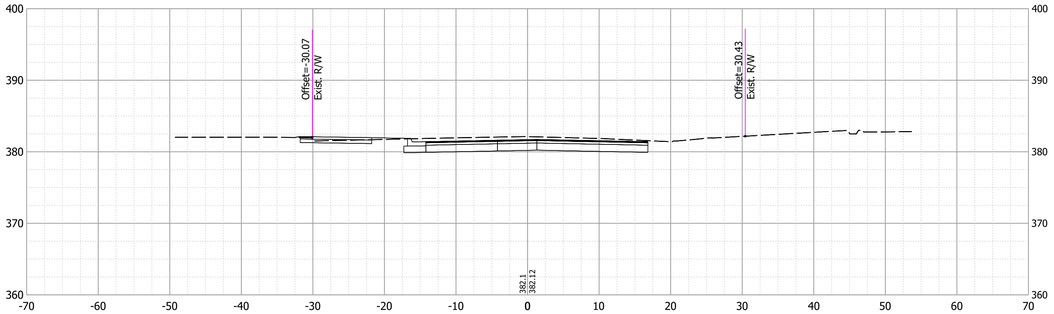
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

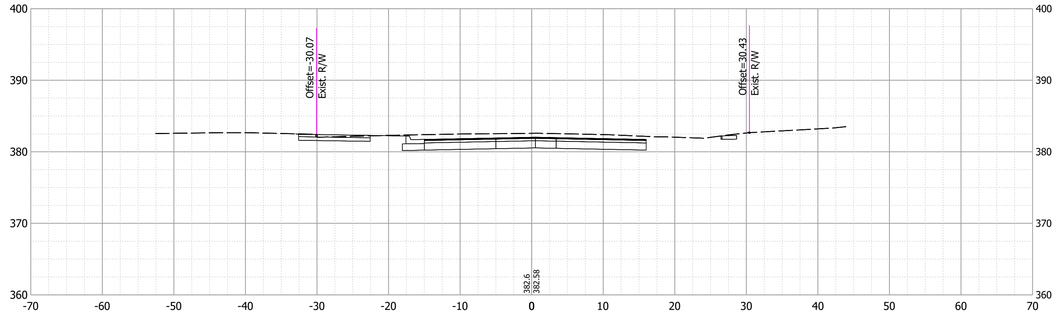
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

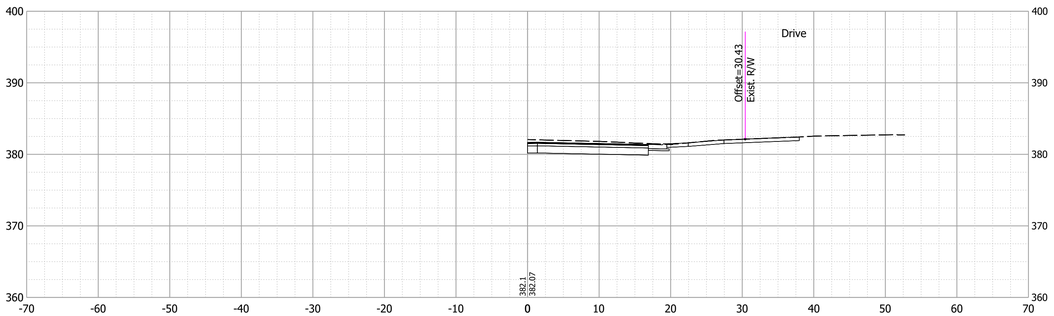
47+00



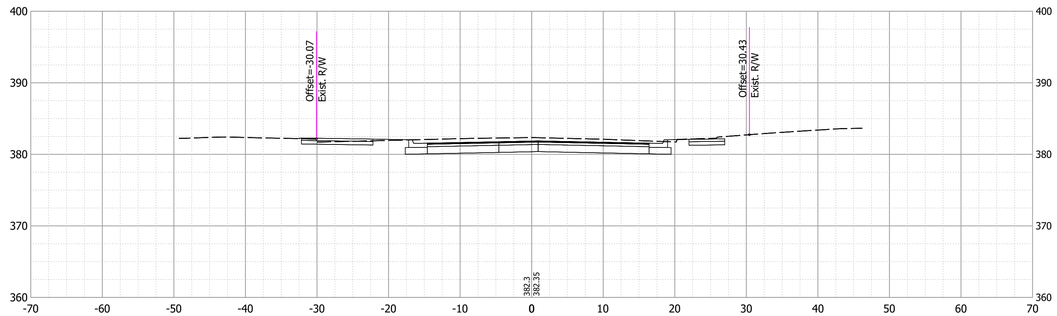
48+00



46+91



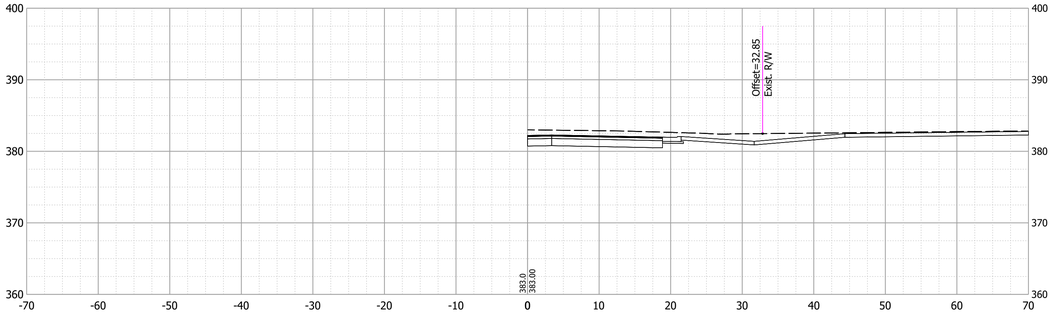
47+50



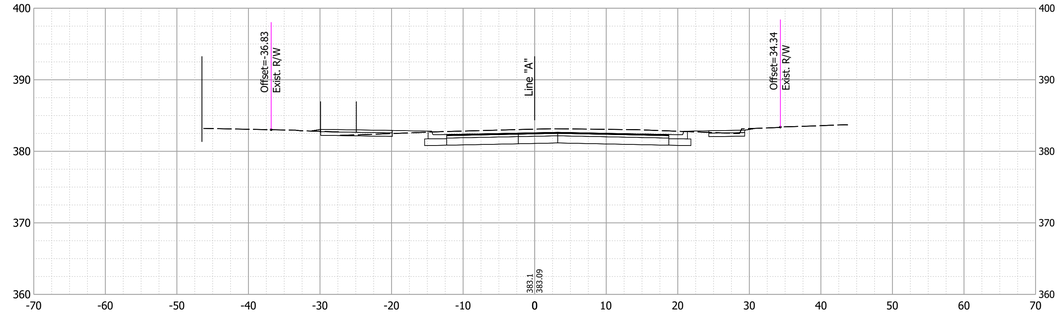
Date: Aug 22, 2022, 2:39pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE "=_'	BRIDGE FILE N/A
		VERTICAL SCALE "=_'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	-----	SURVEY BOOK	SHEETS ---- of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726

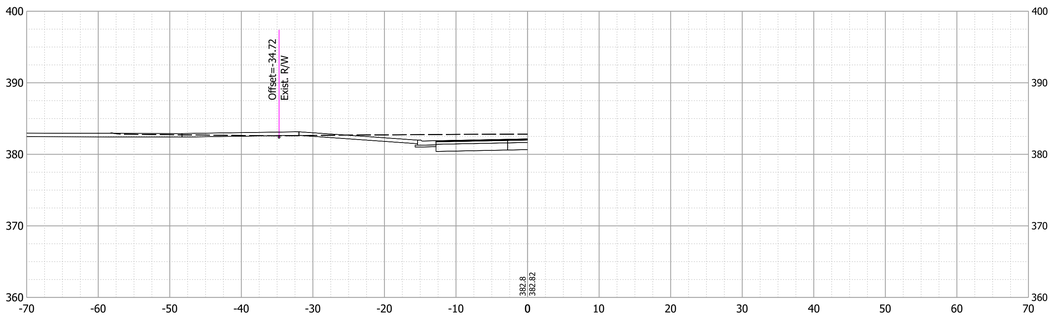
48+80



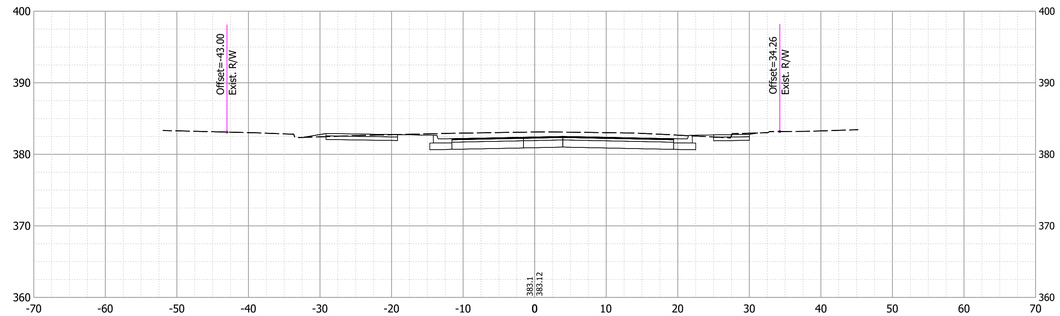
50+00



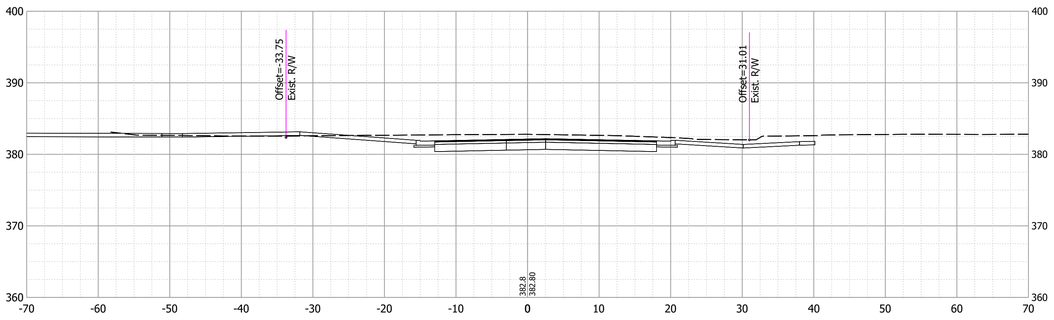
48+56



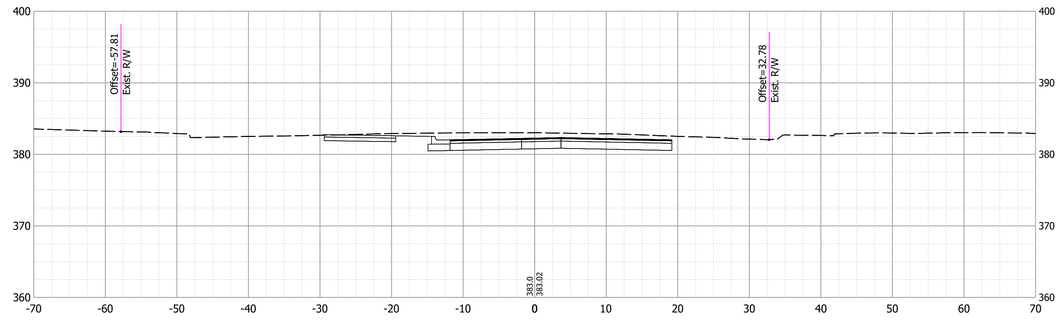
49+50



48+50



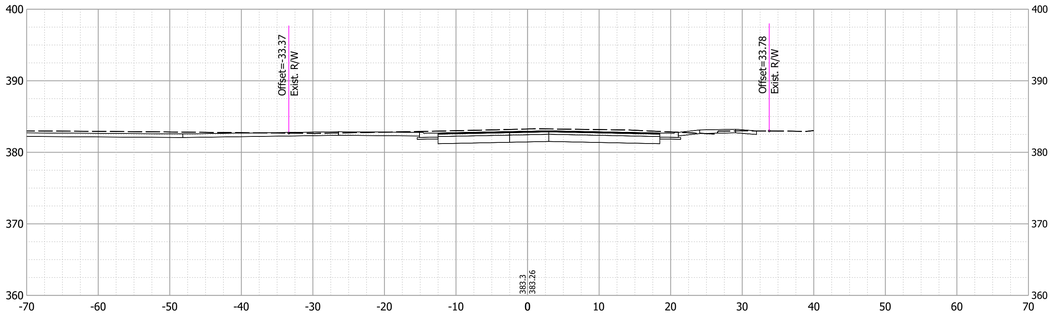
49+00



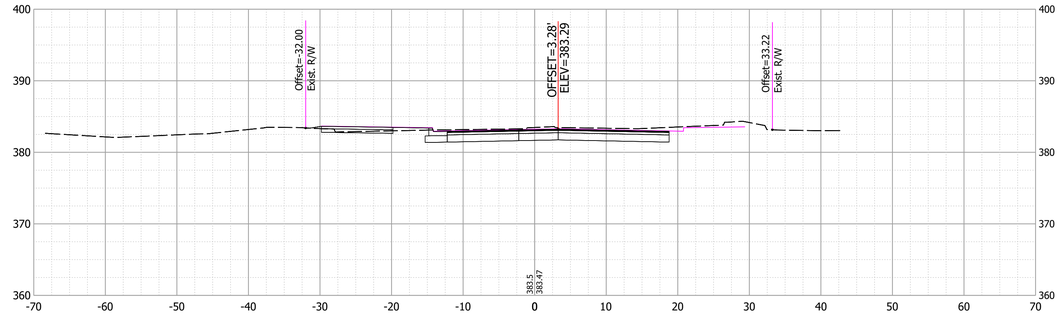
Date: Aug 22, 2022, 2:40pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

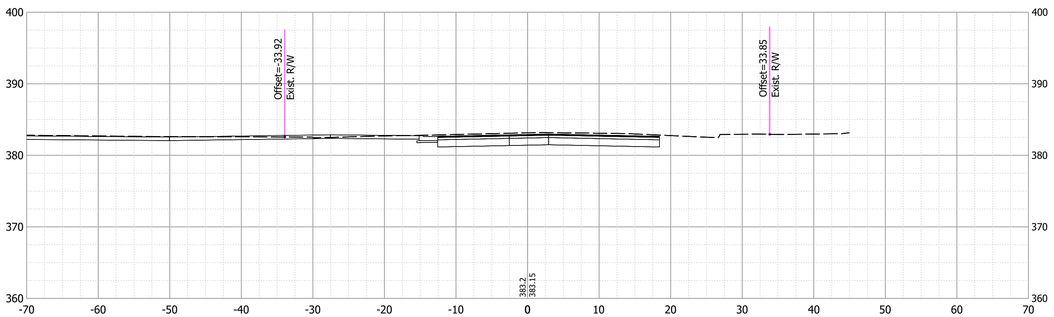
51+12



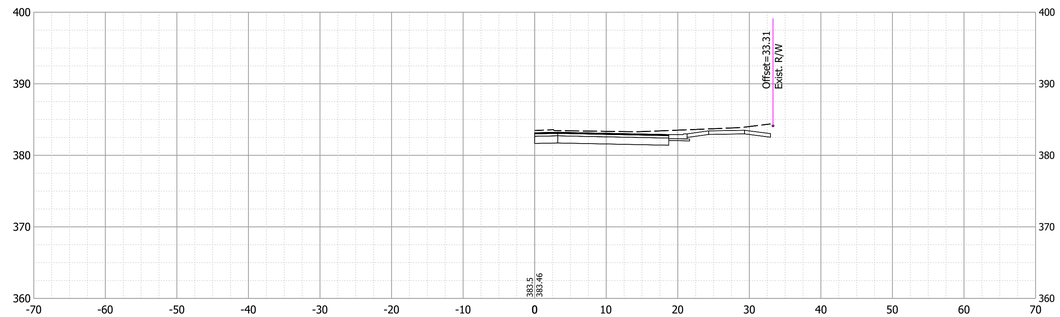
52+00



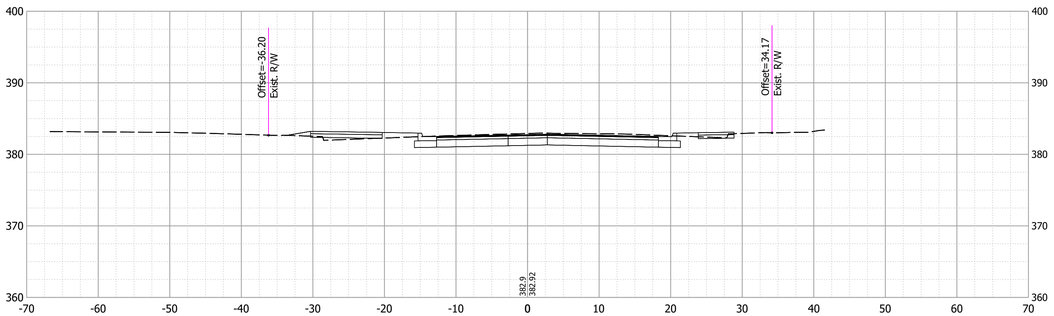
51+00



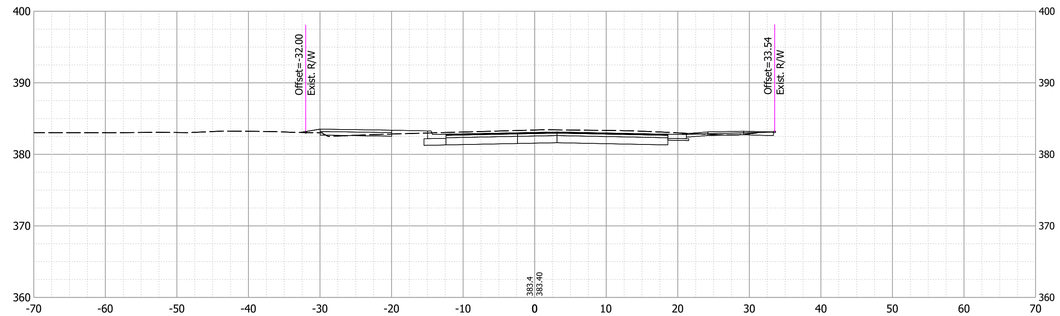
51+87



50+50



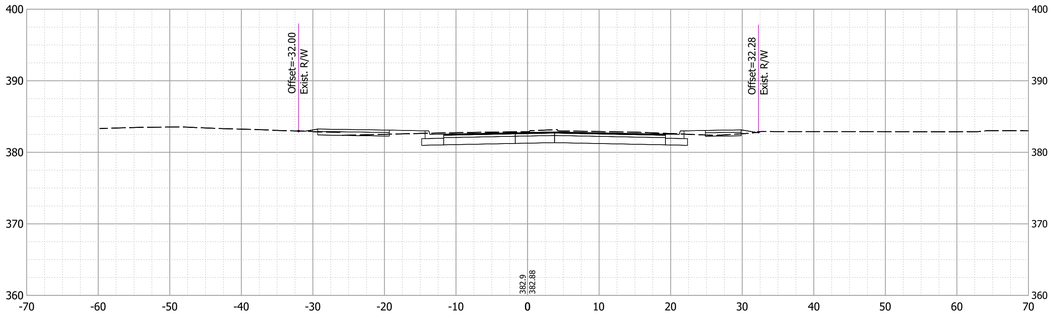
51+50



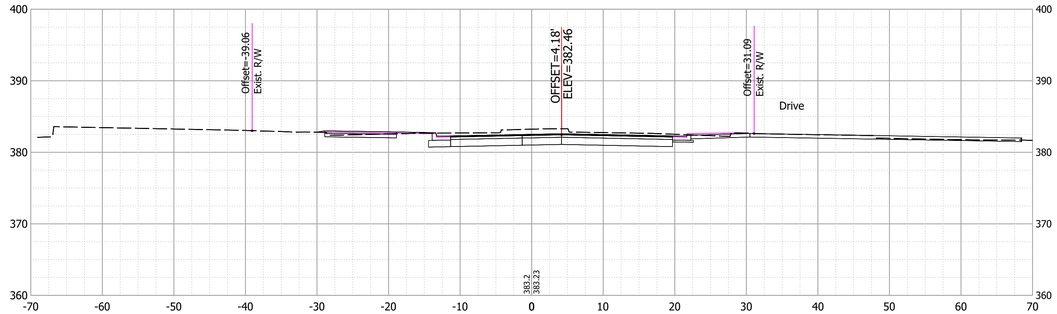
Date: Aug 22, 2022, 2:40pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

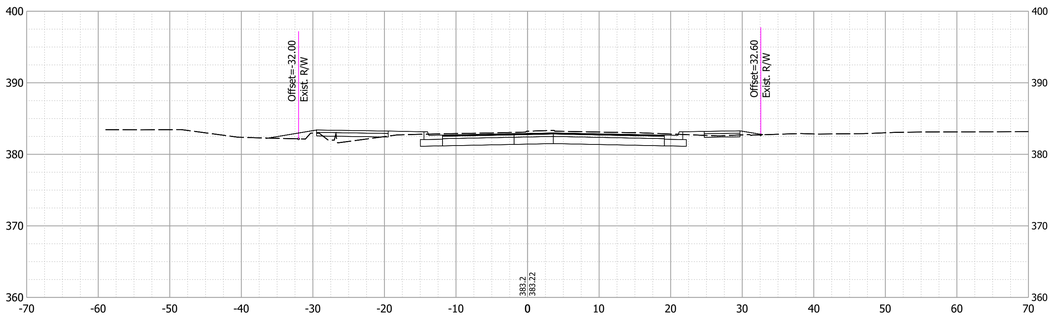
53+50



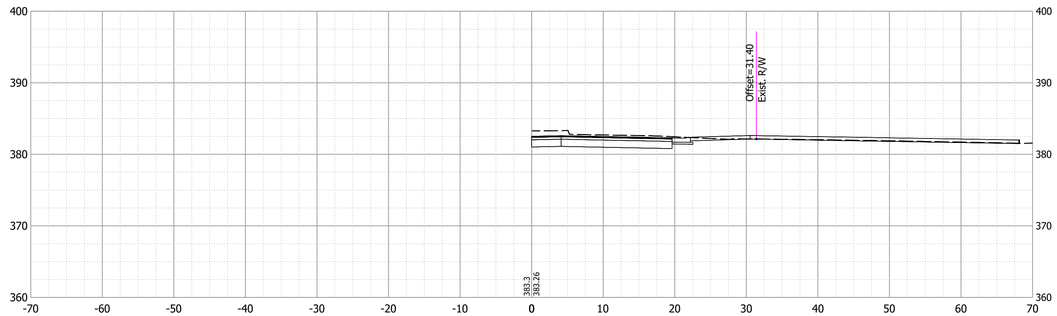
54+50



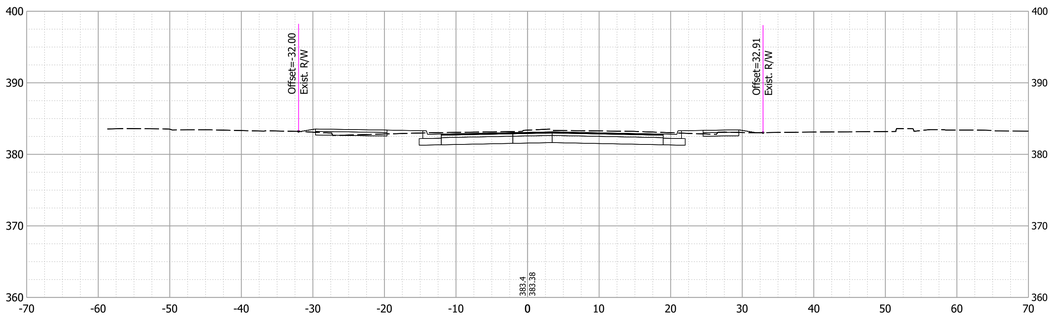
53+00



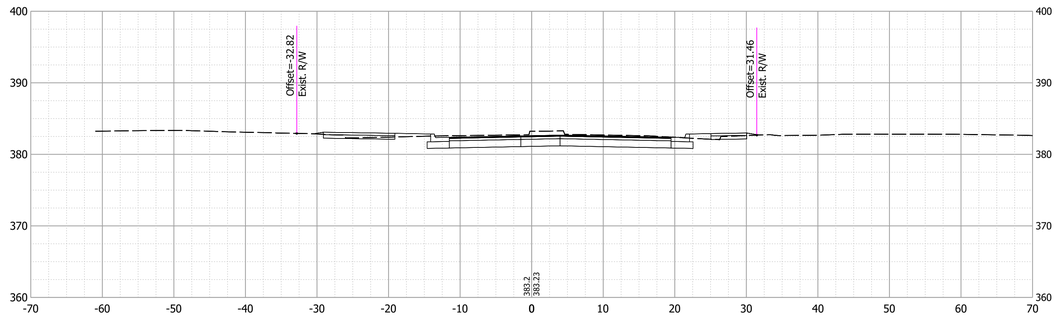
54+35



52+50



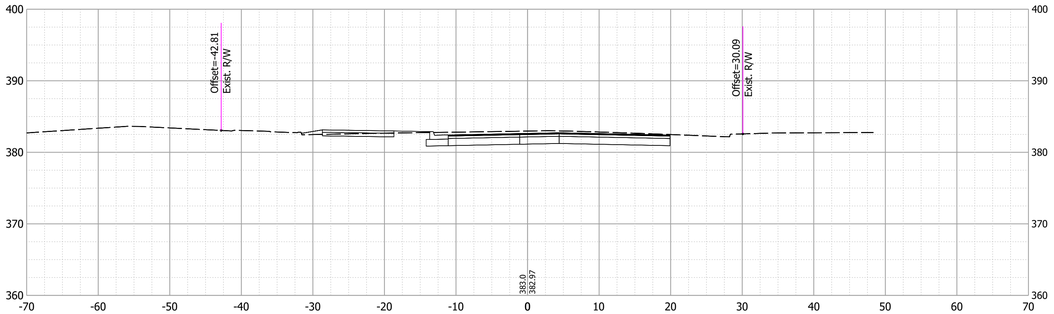
54+00



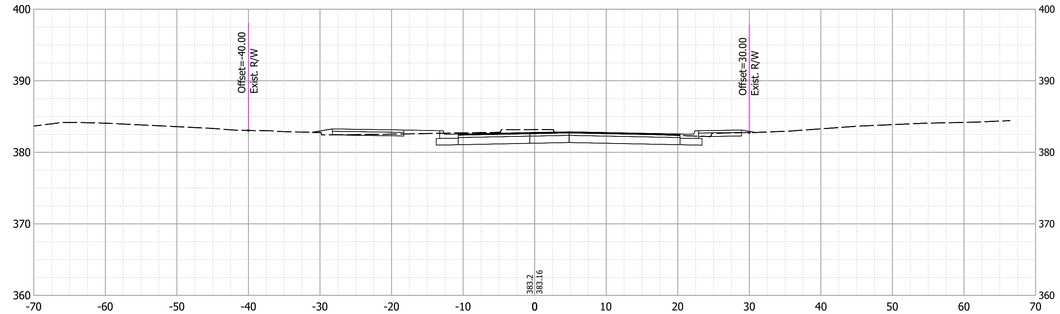
Date: Aug 22, 2022, 2:40pm User Name: dwayne
File: S:_2017\117-06\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

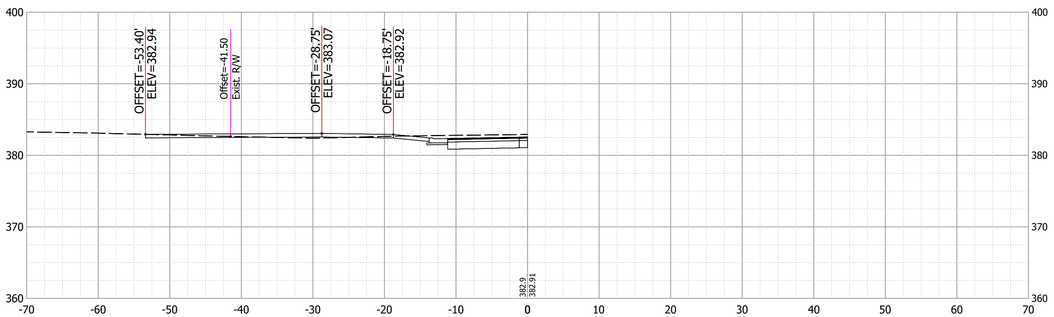
55+00



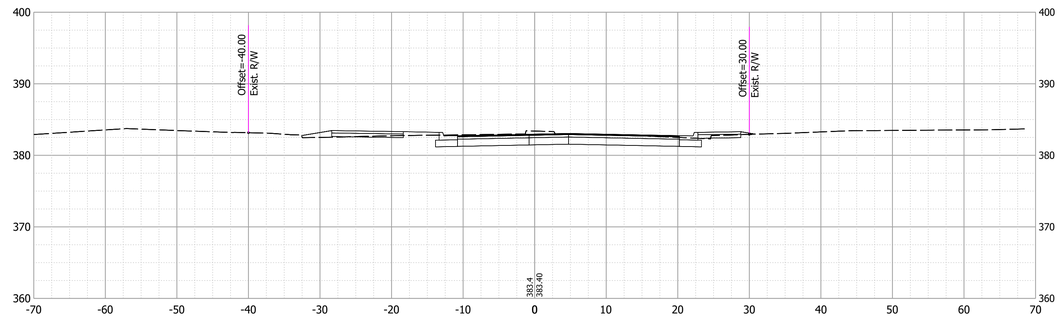
56+50



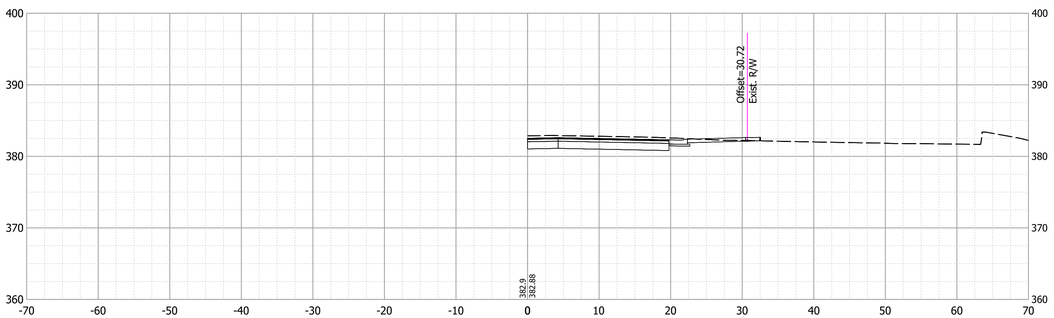
54+82



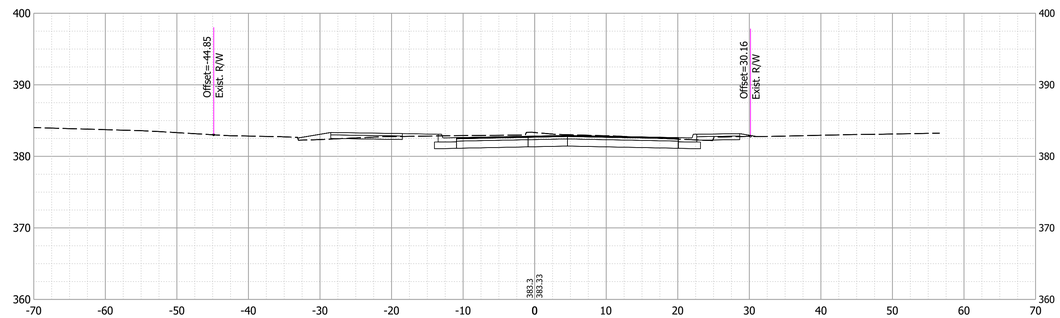
56+00



54+68



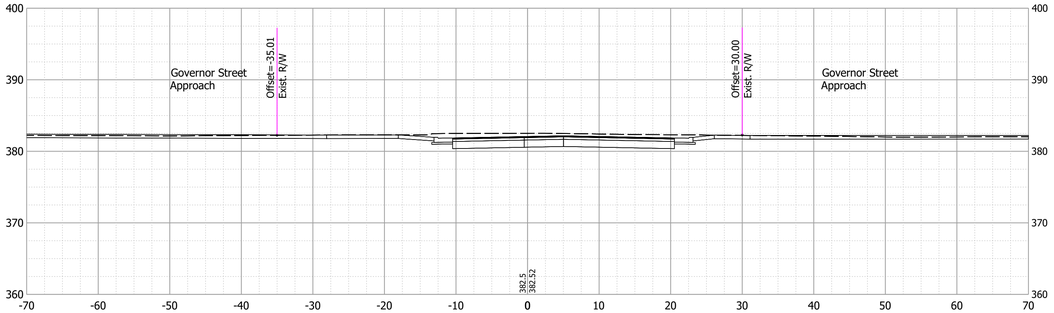
55+50



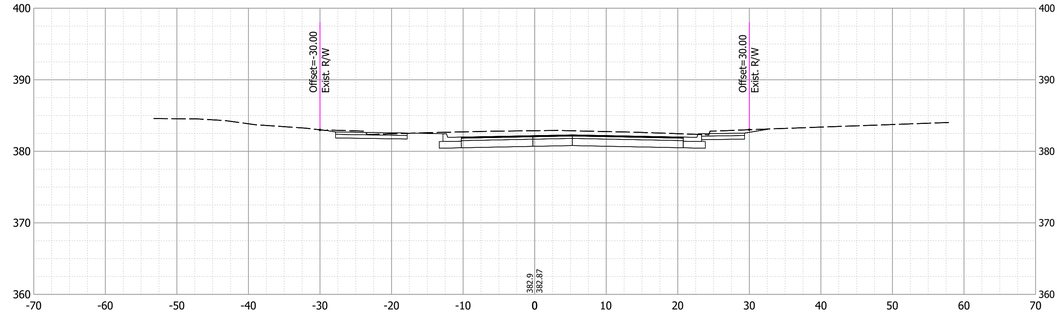
Date: Aug 22, 2022, 2:41pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / VERTICAL SCALE: 1"=10' / BRIDGE FILE: N/A / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

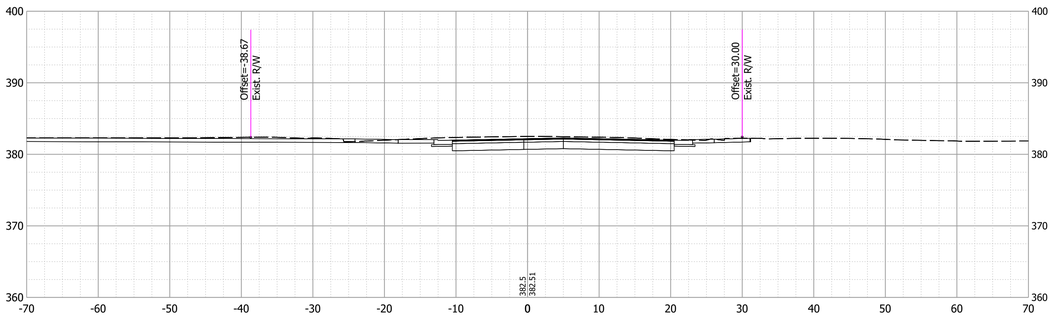
57+72



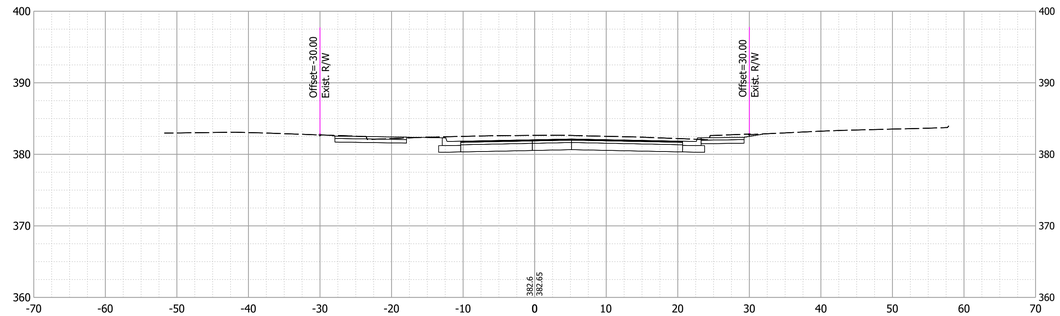
59+00



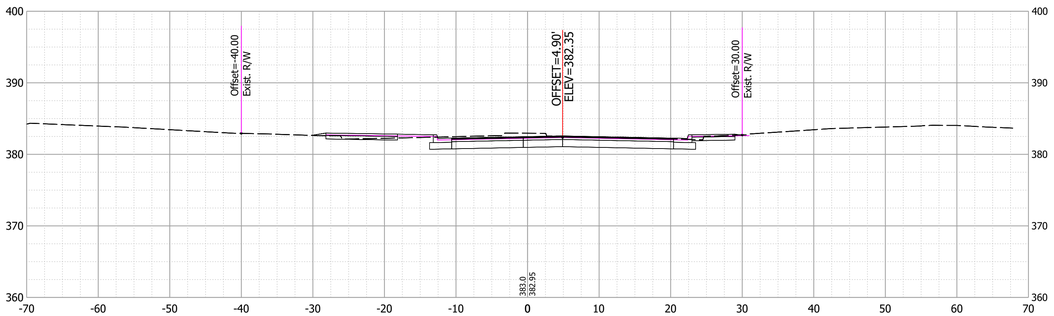
57+50



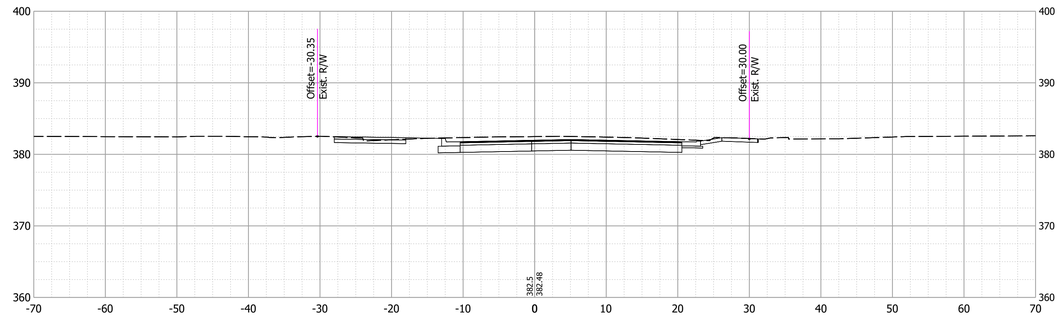
58+50



57+00



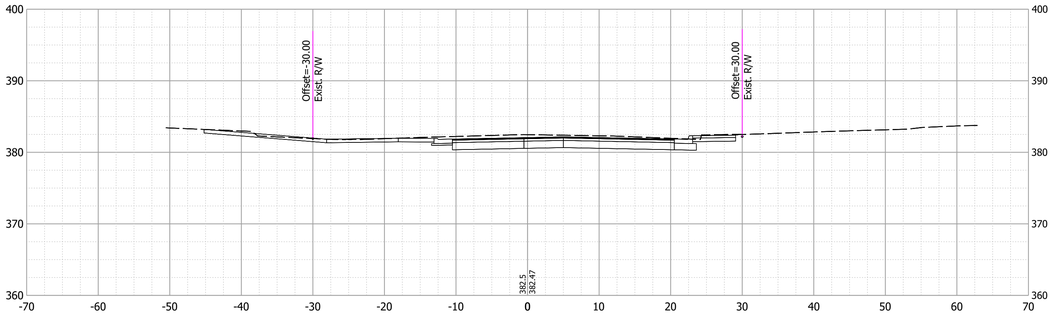
58+00



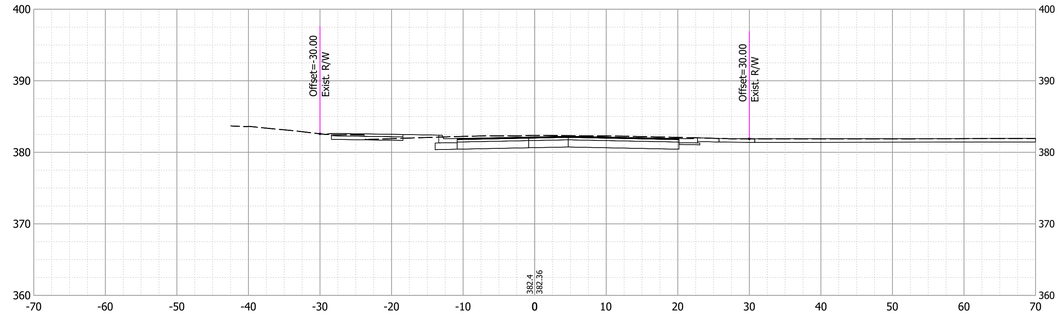
Date: Aug 22, 2022, 2:41pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

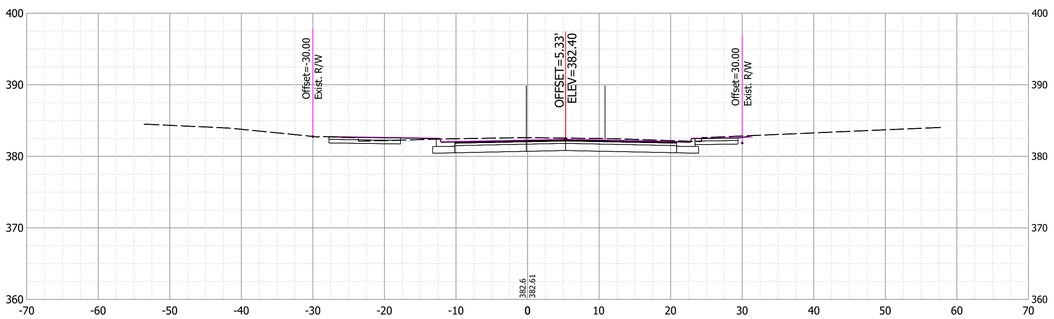
60+50



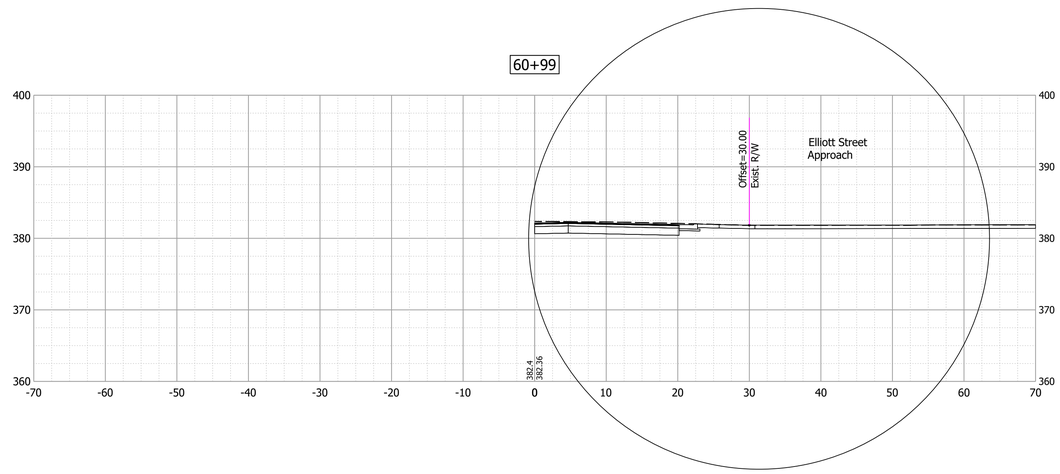
61+00



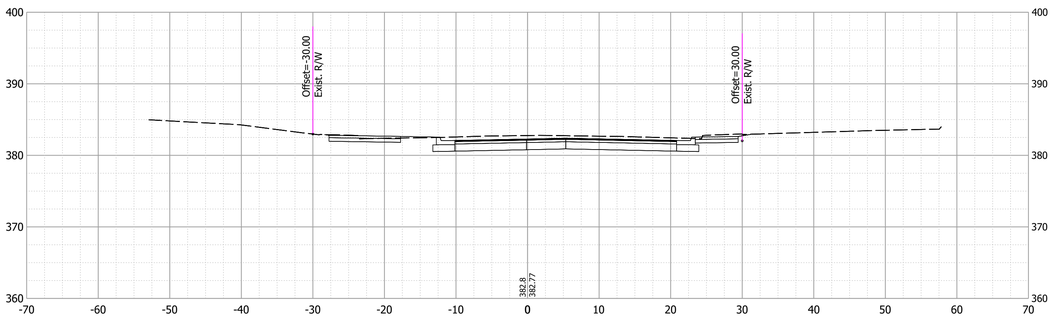
60+00



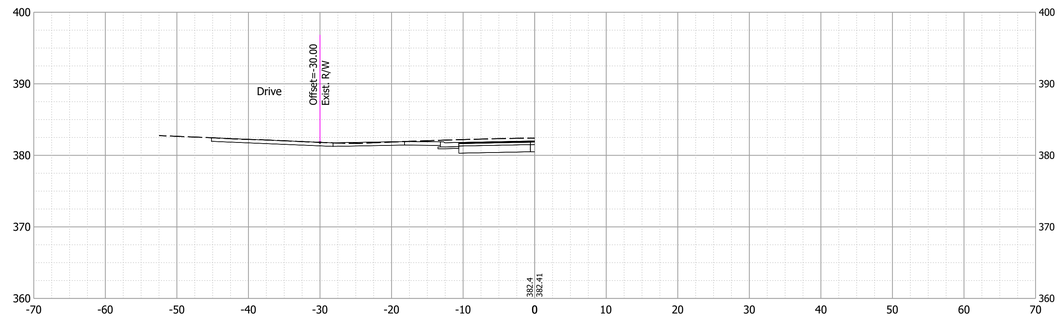
60+99



59+50



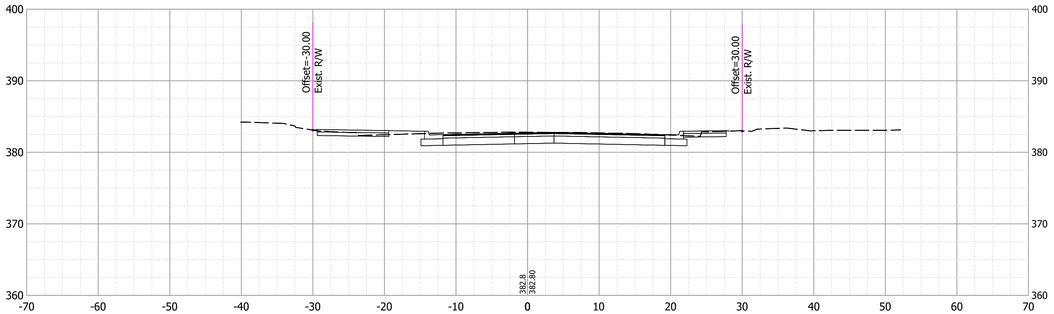
60+65



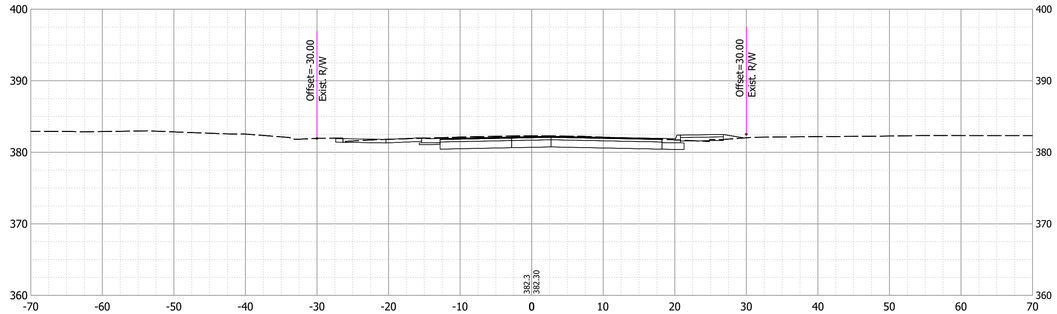
Date: Aug 22, 2022, 2:41pm User Name: dwayne
File: S:_2017\117-0043\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER --/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
		VERTICAL SCALE 1"=10'	DESIGNATION 1801726
DESIGNED: DAS / DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK	SHEETS ---- of --
CHECKED: JAW / CHECKED: JAF		CONTRACT R-41599	PROJECT 1801726

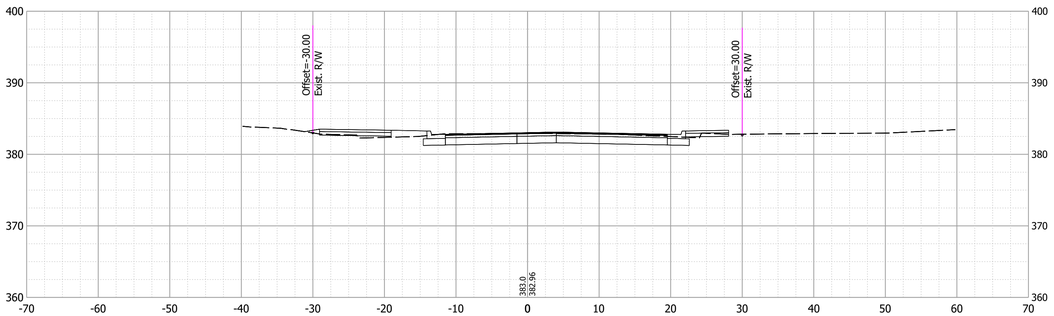
62+50



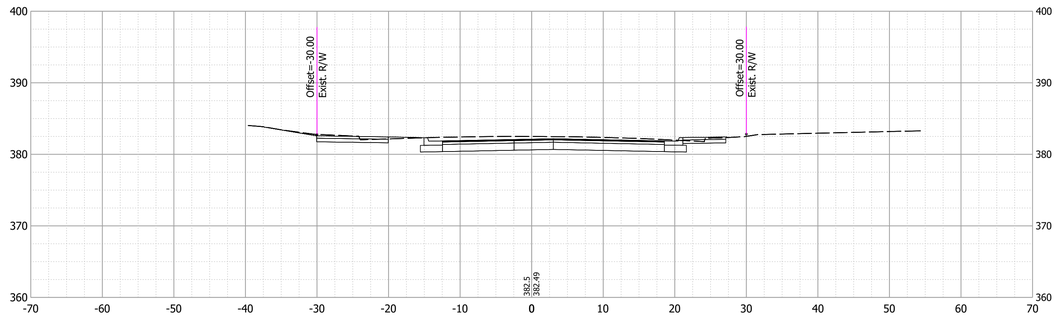
64+00



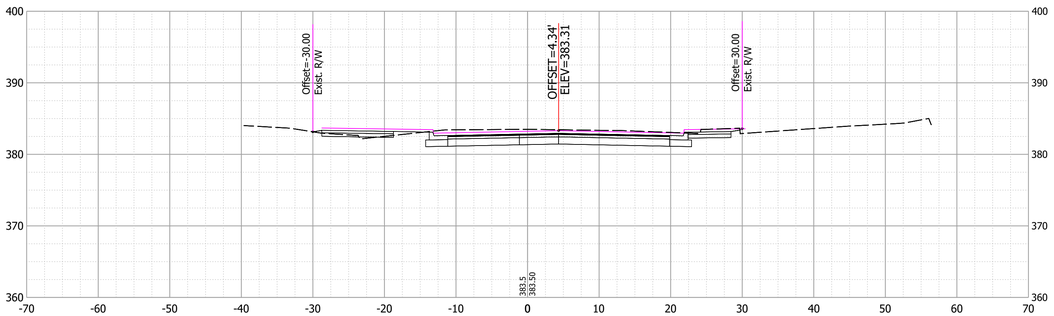
62+00



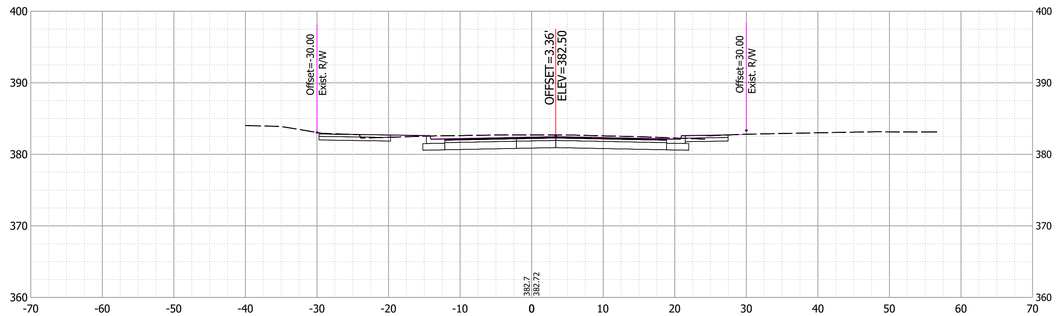
63+50



61+50



63+00



Date: Aug 22, 2022, 2:42pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

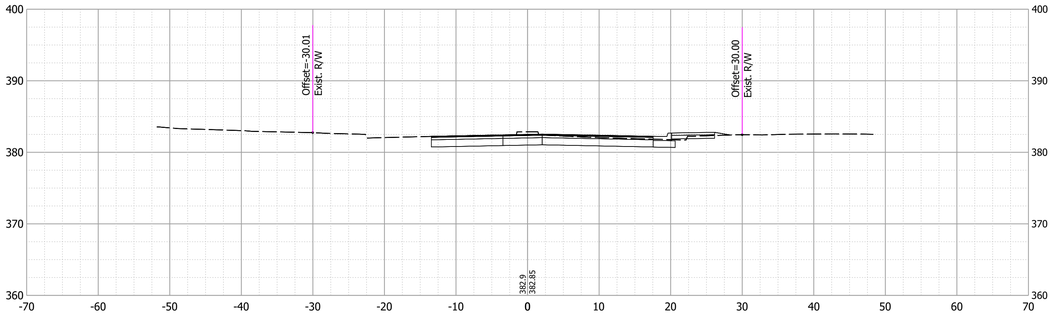
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

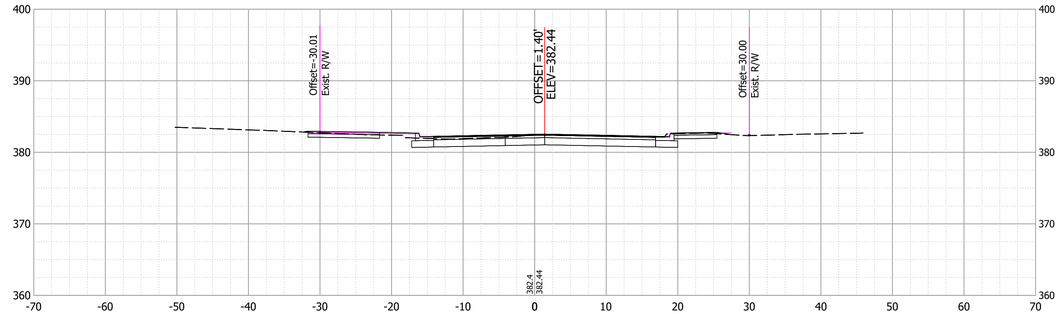
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

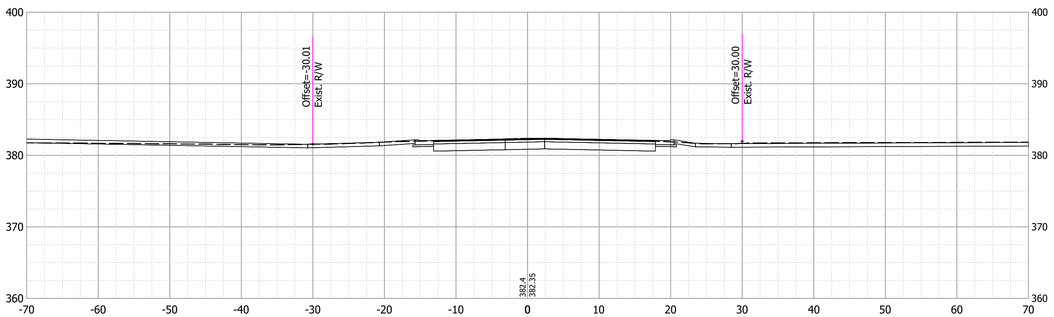
65+00



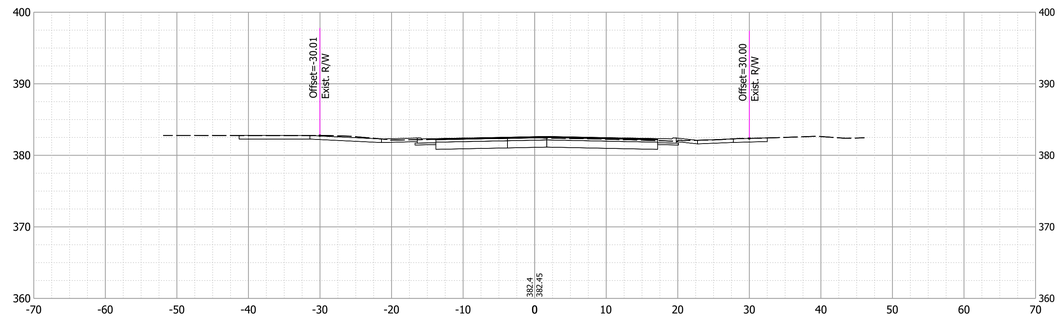
66+00



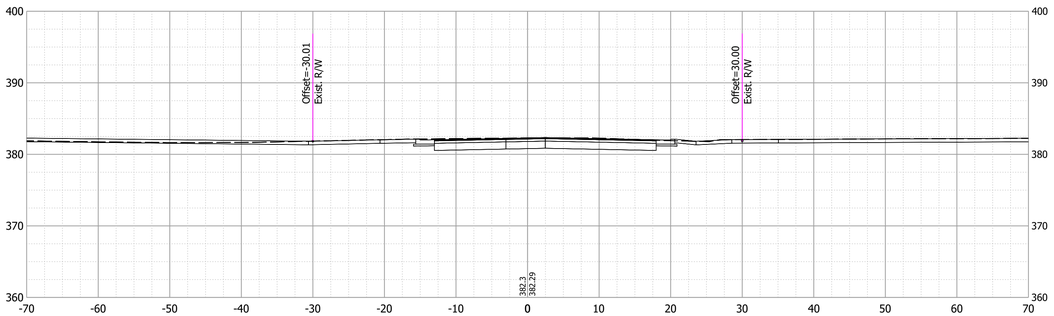
64+50



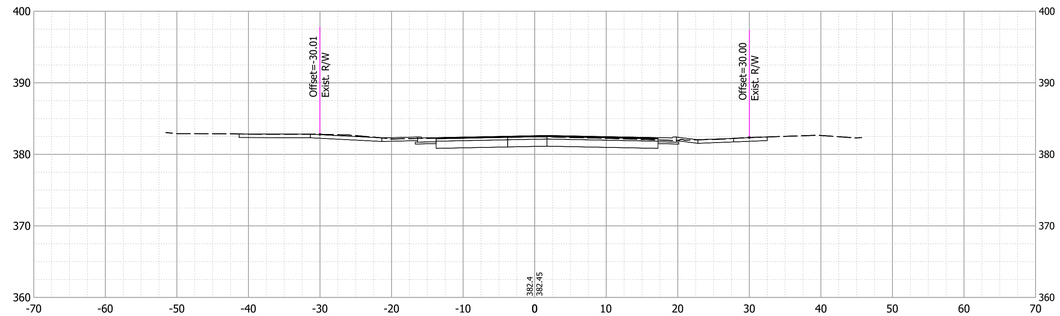
65+56



64+35



65+50



Date: Aug 22, 2022, 2:42pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

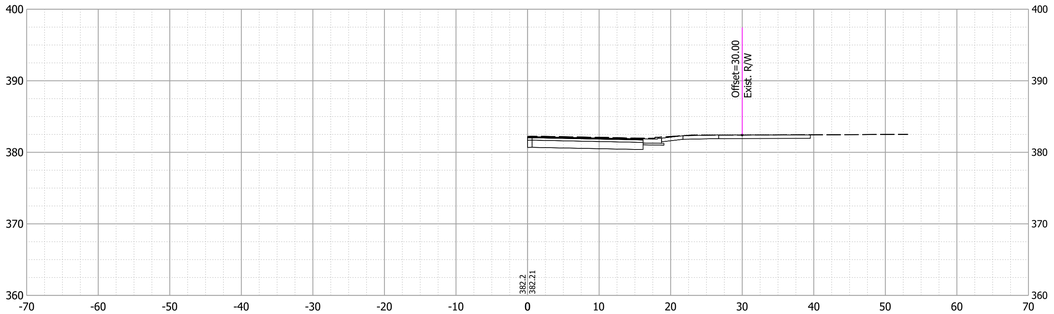
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

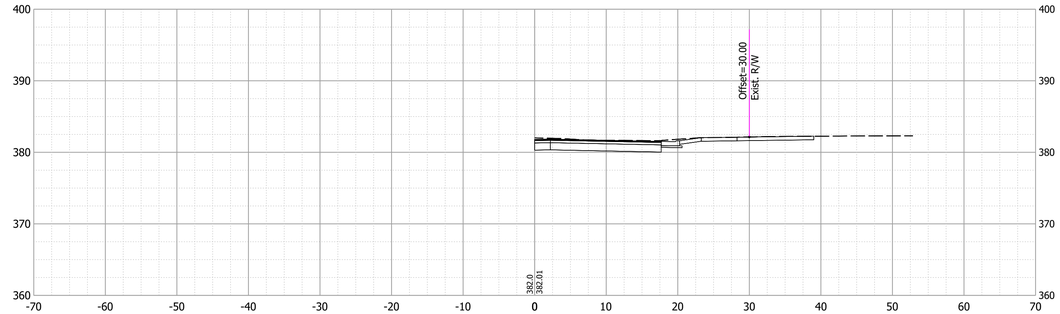
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

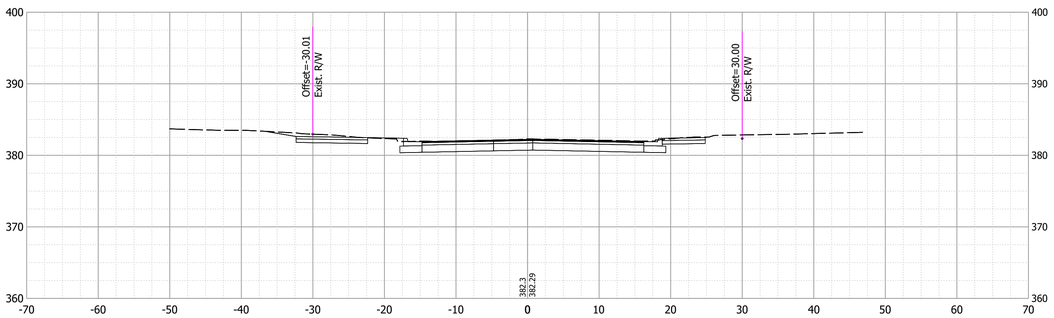
67+15



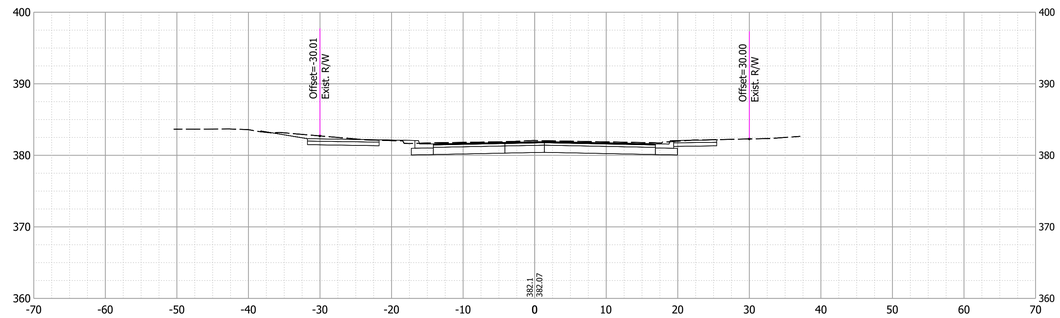
68+26



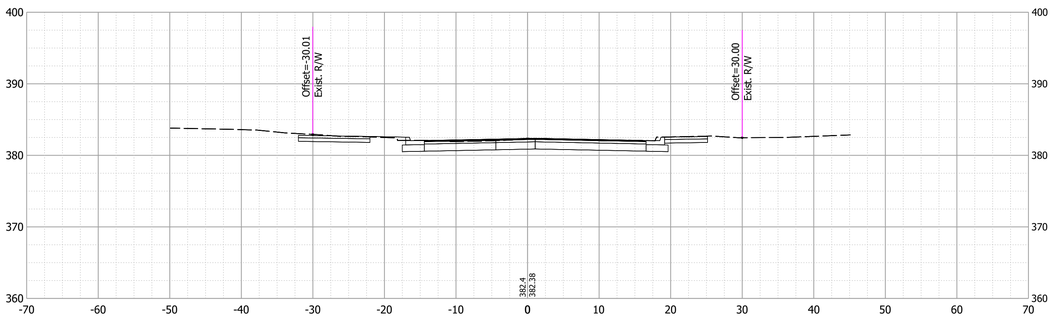
67+00



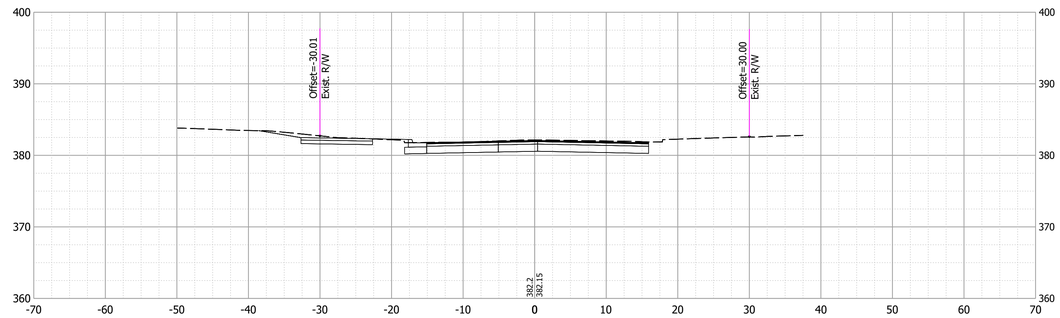
68+00



66+50



67+50



Date: Aug 22, 2022, 2:42pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

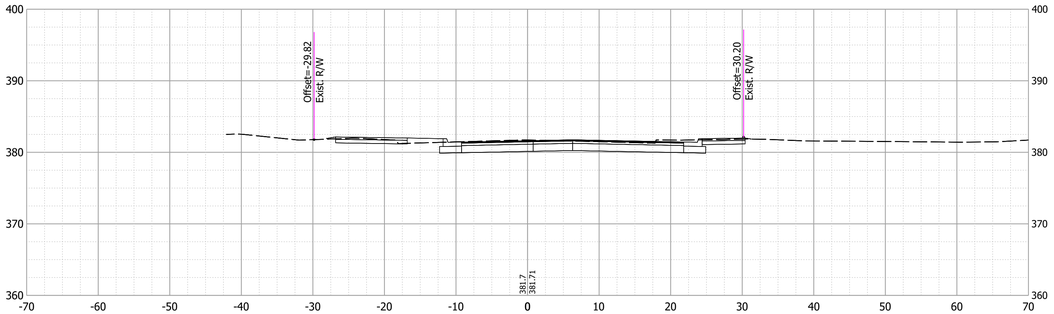
DESIGNED: DAS DRAWN: DAS
CHECKED: JAW CHECKED: JAF

INDIANA
DEPARTMENT OF TRANSPORTATION

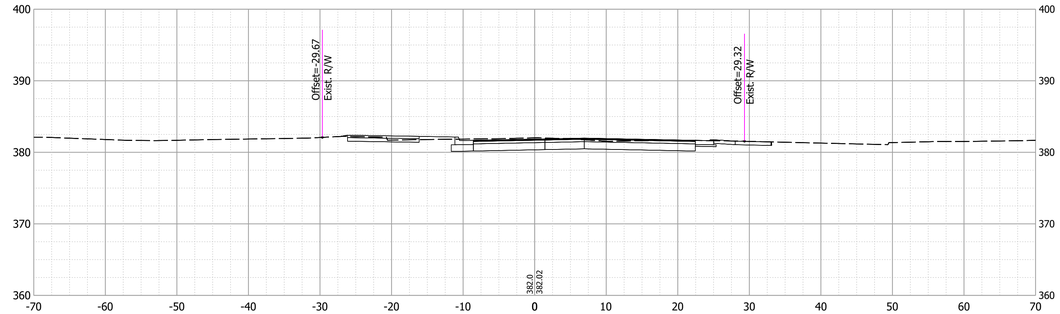
CROSS SECTIONS - LINE "A" & LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1801726
SURVEY BOOK	SHEETS
	---- of --
CONTRACT	PROJECT
R-41599	1801726

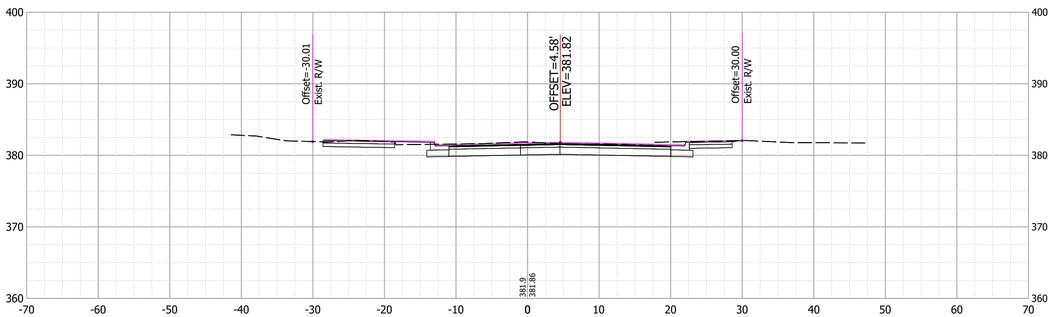
69+50



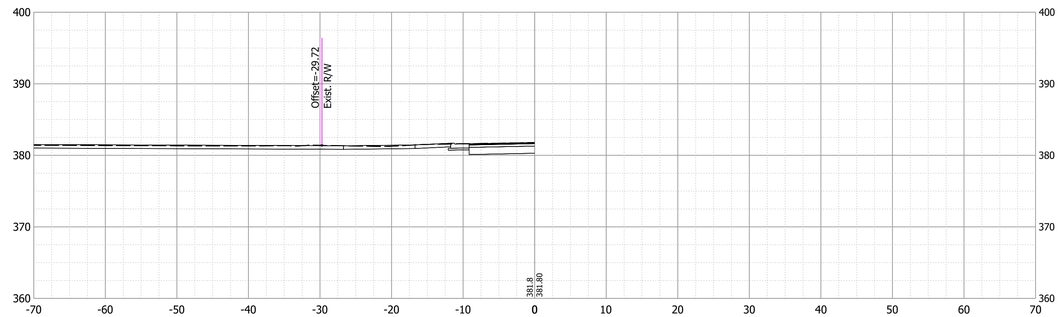
70+50



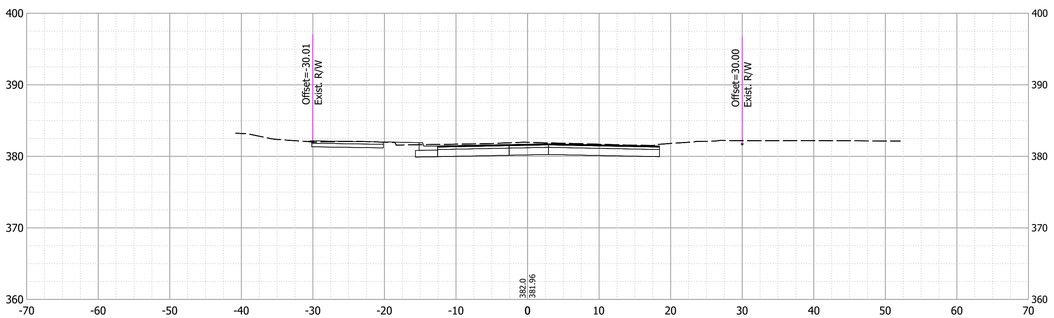
69+00



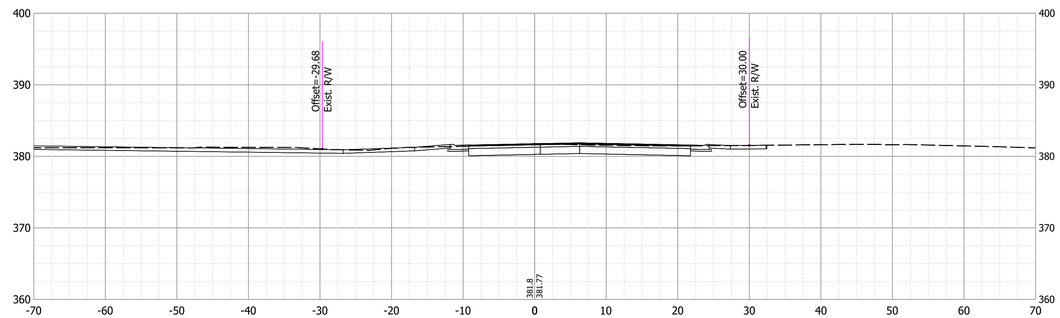
70+08



68+50



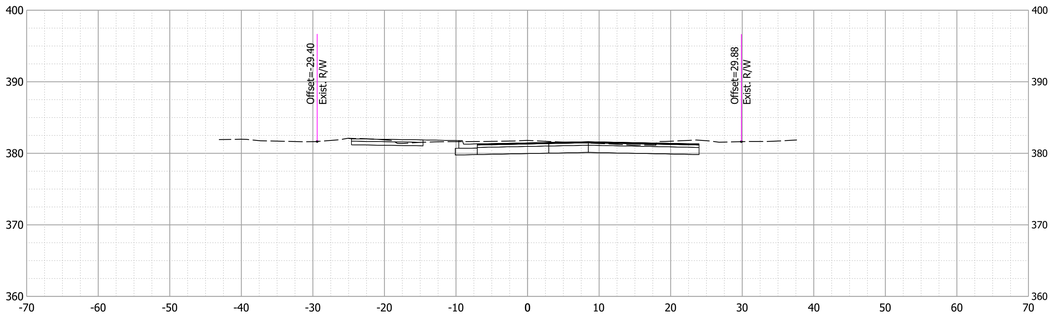
70+00



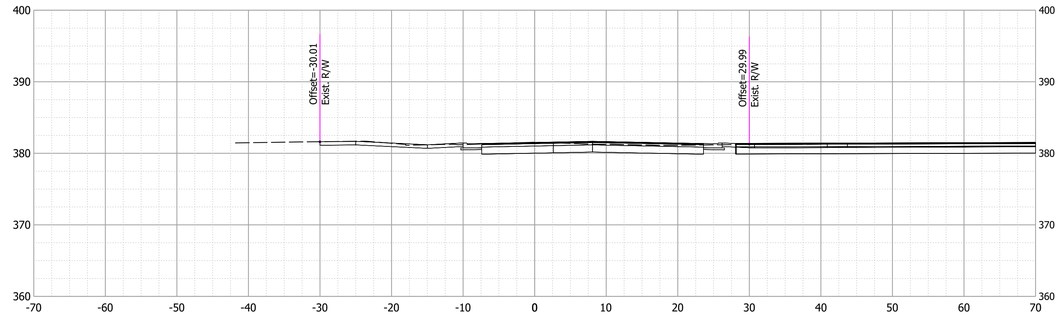
Date: Aug 22, 2022, 2:43pm User Name: dwayne
File: S:_2017\117-0049\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

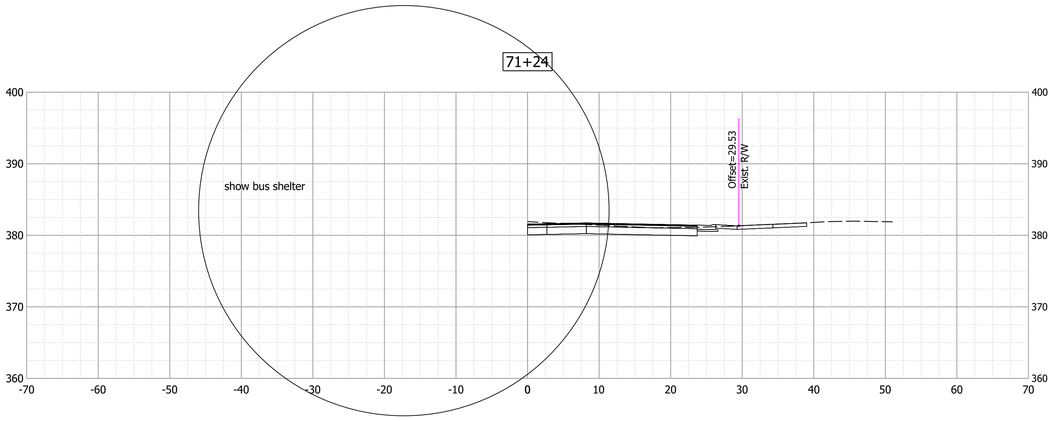
71+50



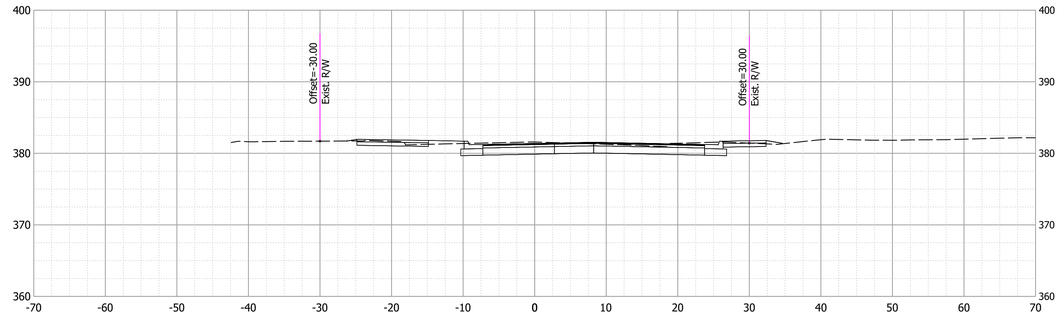
72+92



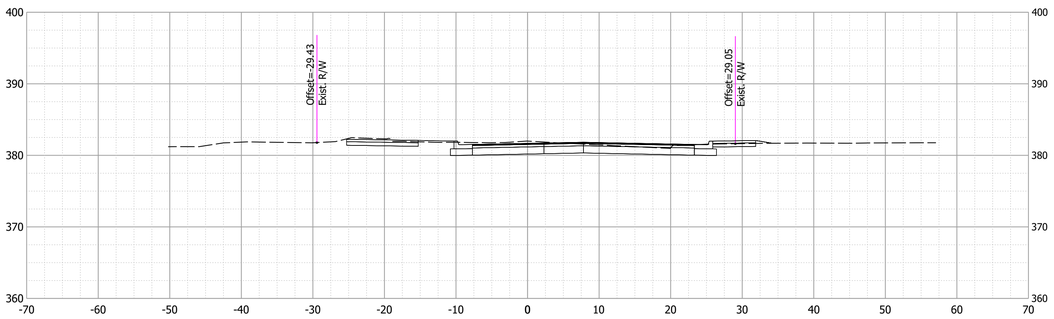
71+24



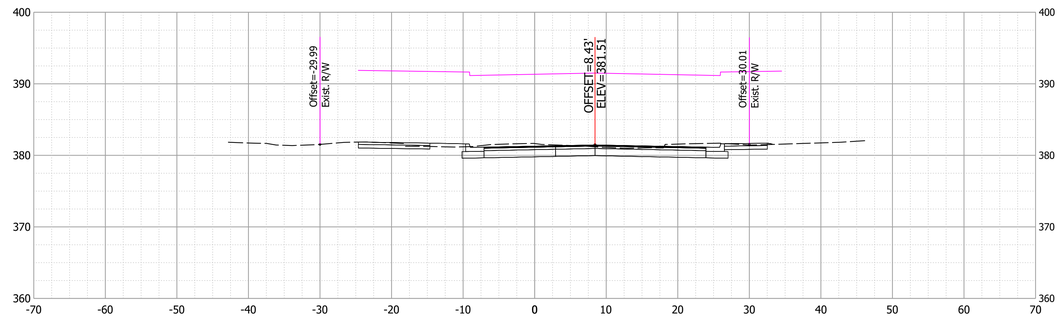
72+50



71+00



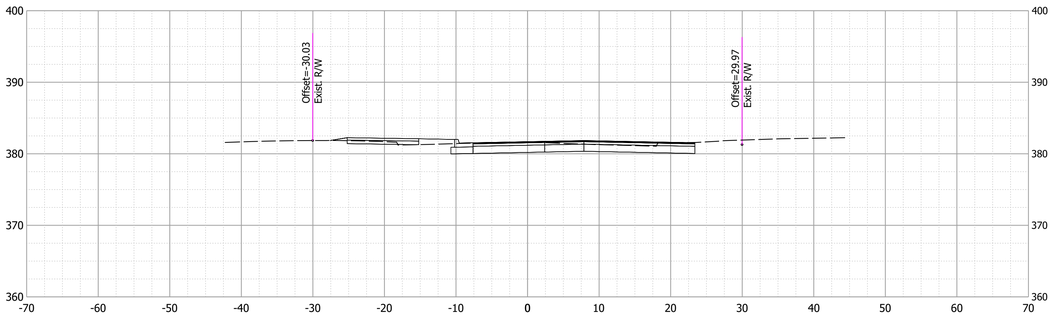
72+00



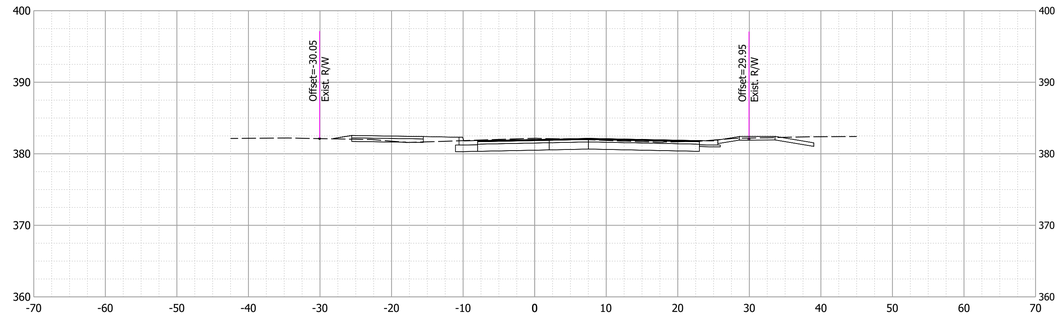
Date: Aug 22, 2022, 2:43pm User Name: dwayne
File: S:\2017\1172004\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: / SHEETS: ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

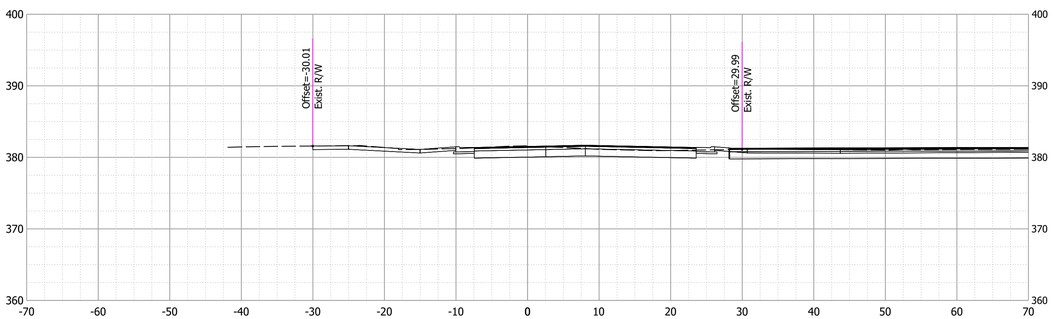
73+50



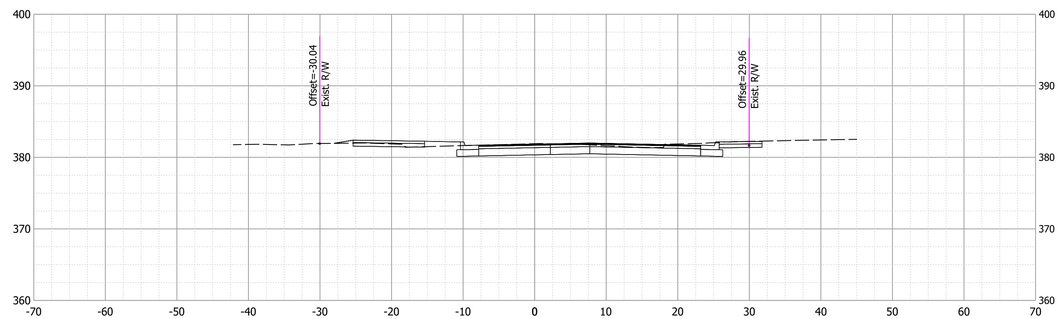
74+50



73+00



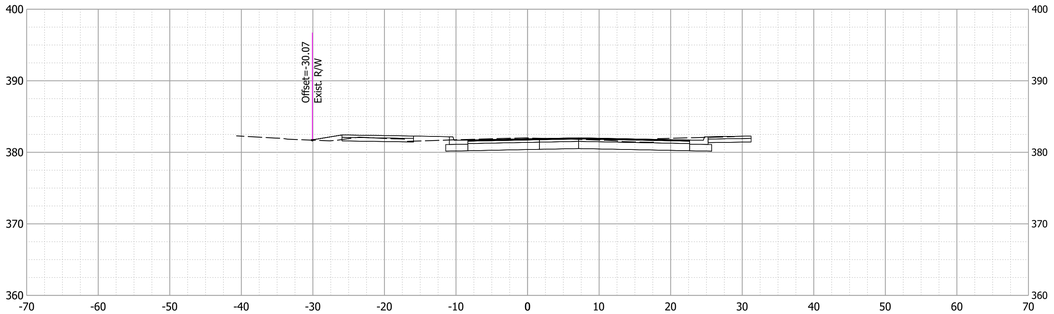
74+00



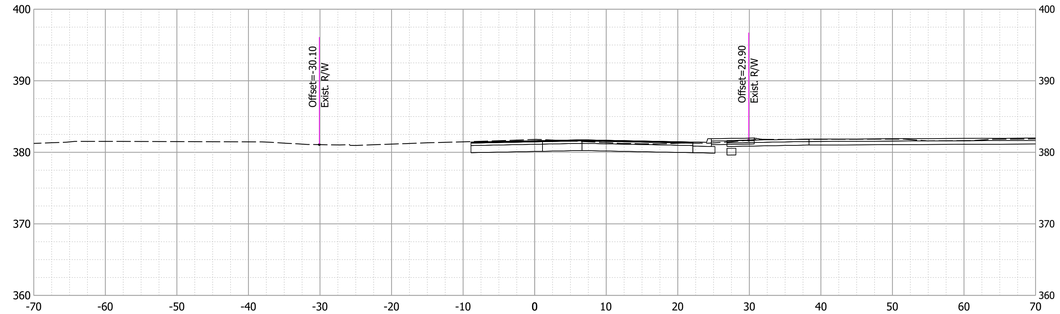
Date: Aug 22, 2022, 2:43pm User Name: dwayne
File: S:\2017\1172-0093\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=10' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=10' / DESIGNATION: 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK: ---- / SHEETS: of --
CHECKED: JAW	CHECKED: JAF		CONTRACT: R-41599 / PROJECT: 1801726

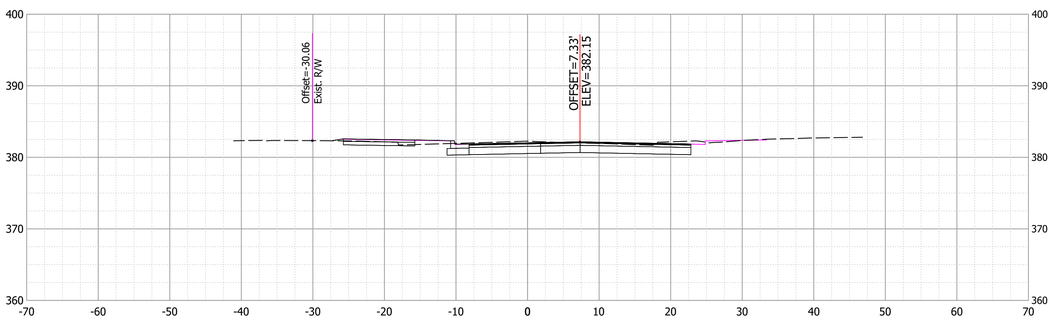
75+50



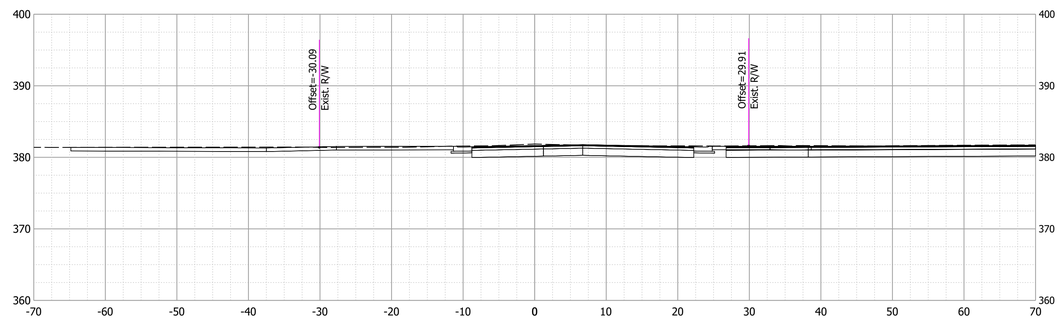
76+50



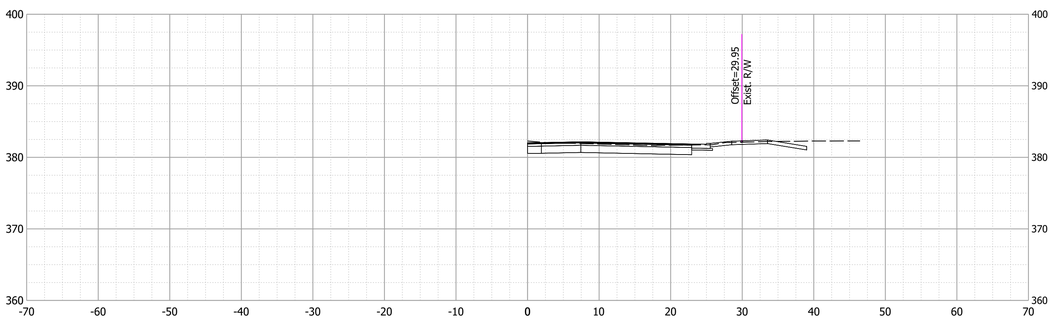
75+00



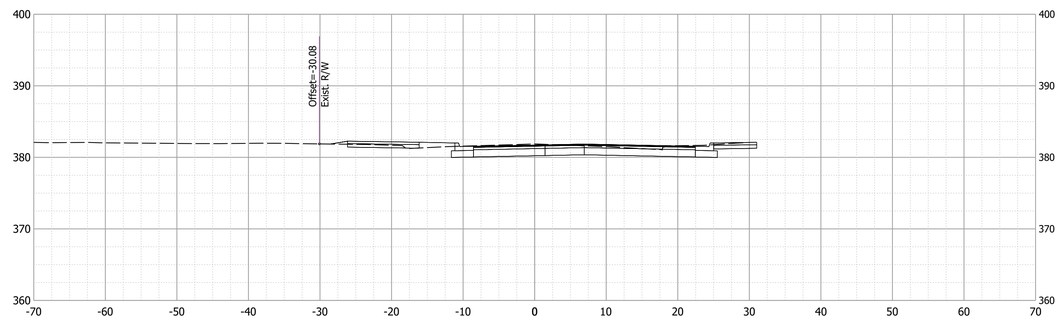
76+32



74+70



76+00



Date: Aug 22, 2022, 2:44pm User Name: dwayne
File: S:_2017\1172649\Road\CAD_Phase 3\CrossSect\Xsec Line A Phase 3_Part 1.dwg

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' / BRIDGE FILE N/A / VERTICAL SCALE 1"=10' / DESIGNATION 1801726
DESIGNED: DAS	DRAWN: DAS	CROSS SECTIONS - LINE "A" & LINE "PR-A"	SURVEY BOOK / SHEETS ---- of --
CHECKED: JAW	CHECKED: JAF		CONTRACT R-41599 / PROJECT 1801726