

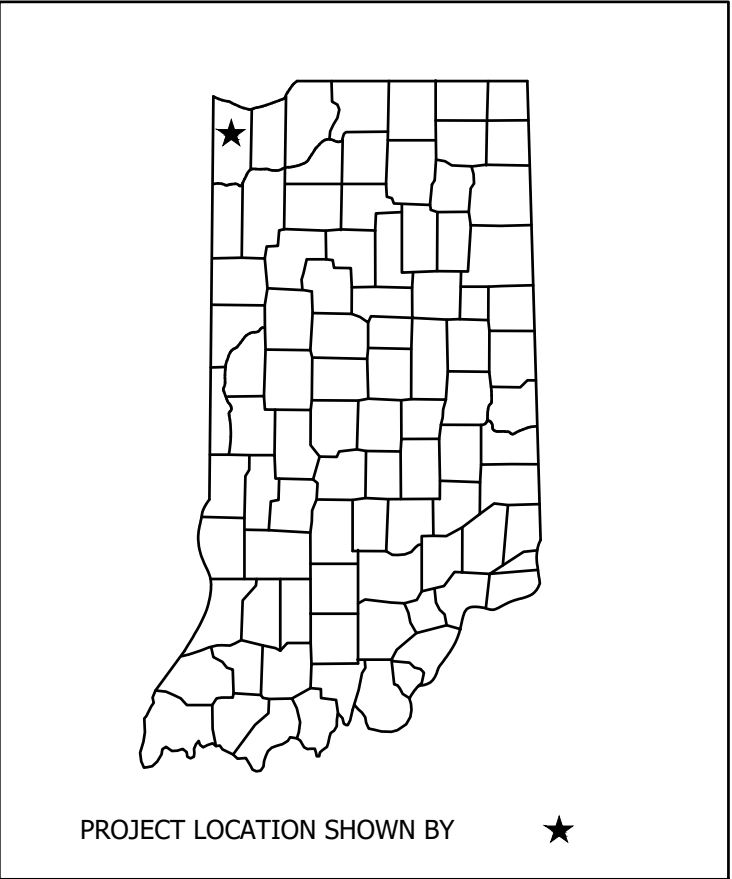
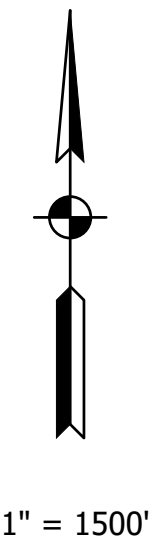
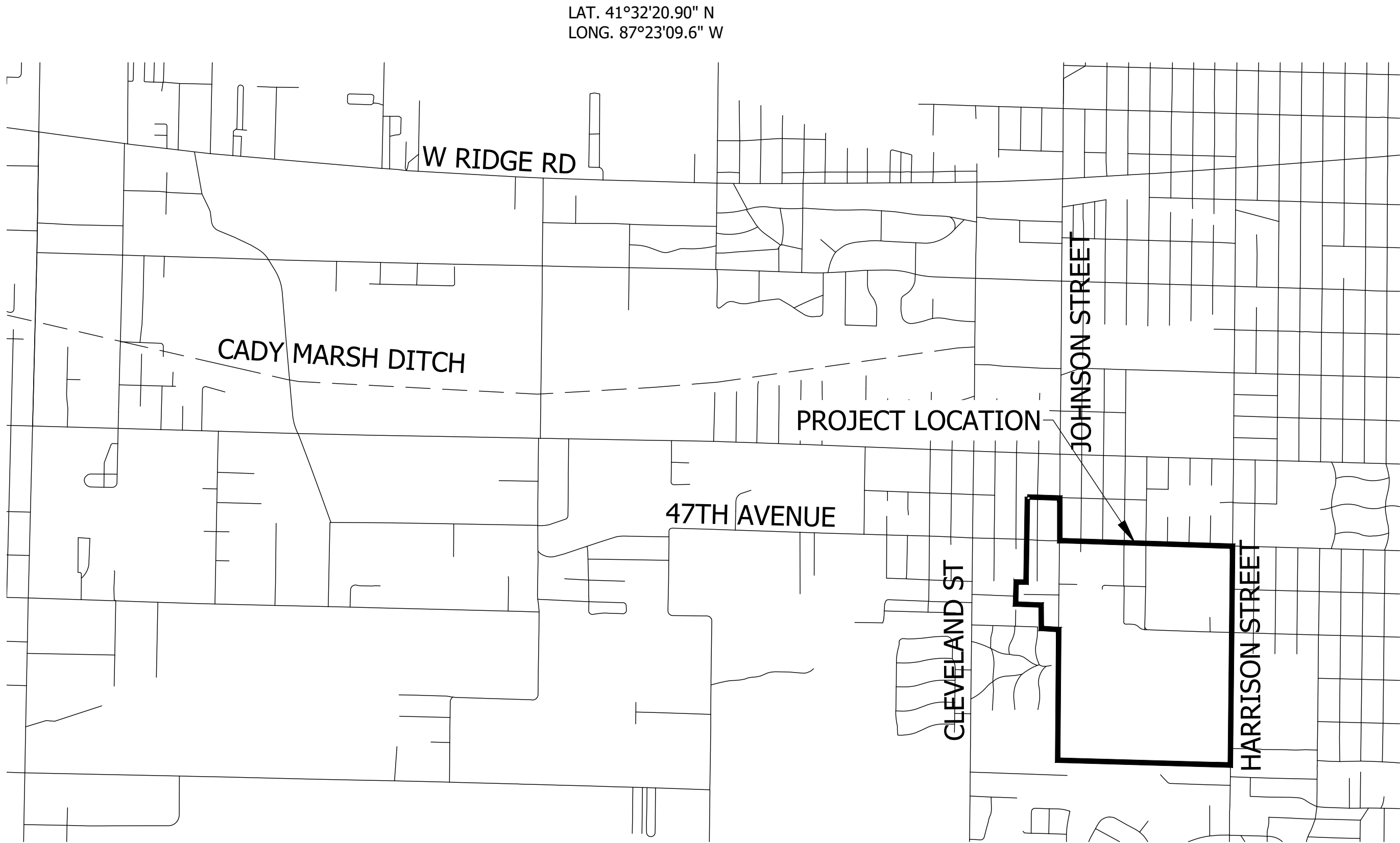
CALUMET TOWNSHIP STEP BASIN 10 PACKAGE LAKE COUNTY, IN

DIRECTORYC:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\01-General Sheets\ LTSCALE....1
FILE.....Calumet STEP Basin 10 Title Sheet.dwg
PLOTTED BY: J.Mowery
DATE.....Nov 04, 2022 - 5:28pm

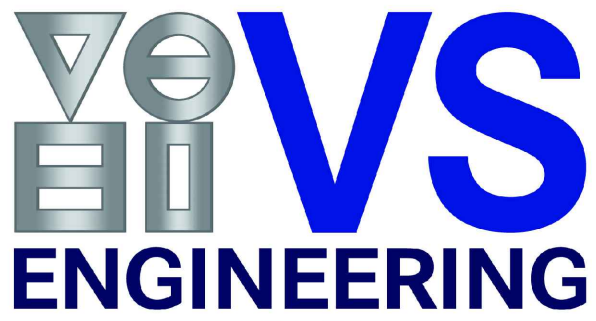
DRAWING INDEX	
NUMBER	DESCRIPTION
1	TITLE SHEET
2	OVERALL LAYOUT
3-38	PLAN AND PROFILES
39-40	DETAILS

PROJECT CONTACT INFORMATION

PROJECT MANAGER - JEFFREY HAW
VS ENGINEERING, INC
412 PERRY STREET
LA PORTE, IN 46350
PHONE: 219-873-1100
EMAIL: JHAW@VSENGINEERING.COM



LOCATION MAP
LAKE COUNTY, INDIANA



4275 North High School Road
Indianapolis, IN 46254
P: 317.293.3542
F: 317.293.4737
vsei@vsengineering.com
www.vsengineering.com

PLANS PREPARED BY:	 VS ENGINEERING, INC.	FAX: (317) 293-4737 TEL: (317) 293-3542 PHONE NUMBER
CERTIFIED BY:	JEFFREY HAW P.E., INDIANA REG. NO. XXXXXXXX	11/03/2022 DATE

25% DESIGN
NOT FOR
CONSTRUCTION

CONTRACT		
	SHEETS	
	01	of 40
		PROJECT
		2205032

DIRECTORYC:\Project\Wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage_1\30 Sheet Drawings\Basins 07 & 10\01-General Sheets\
FILECalumet STEP Basin 10 Overall Sheet.dwg
DIMSCALE:250 LTSCALE:20
PLOTTED BY:J.Mowery
DATE:.....Nov 04,2022 - 5:28pm

LEGEND

SH

Stone Shoulder

K

Concrete Sidewalk

S

Remove and Reset Sign

M

Remove and Reset Mailbox

P

Pedestrian Crossing Sign

R

Concrete Curb Ramp

T

Remove Tree or Shrub

WS

Detectable Warning Surface



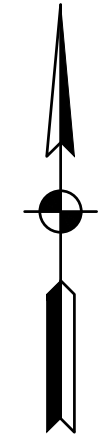
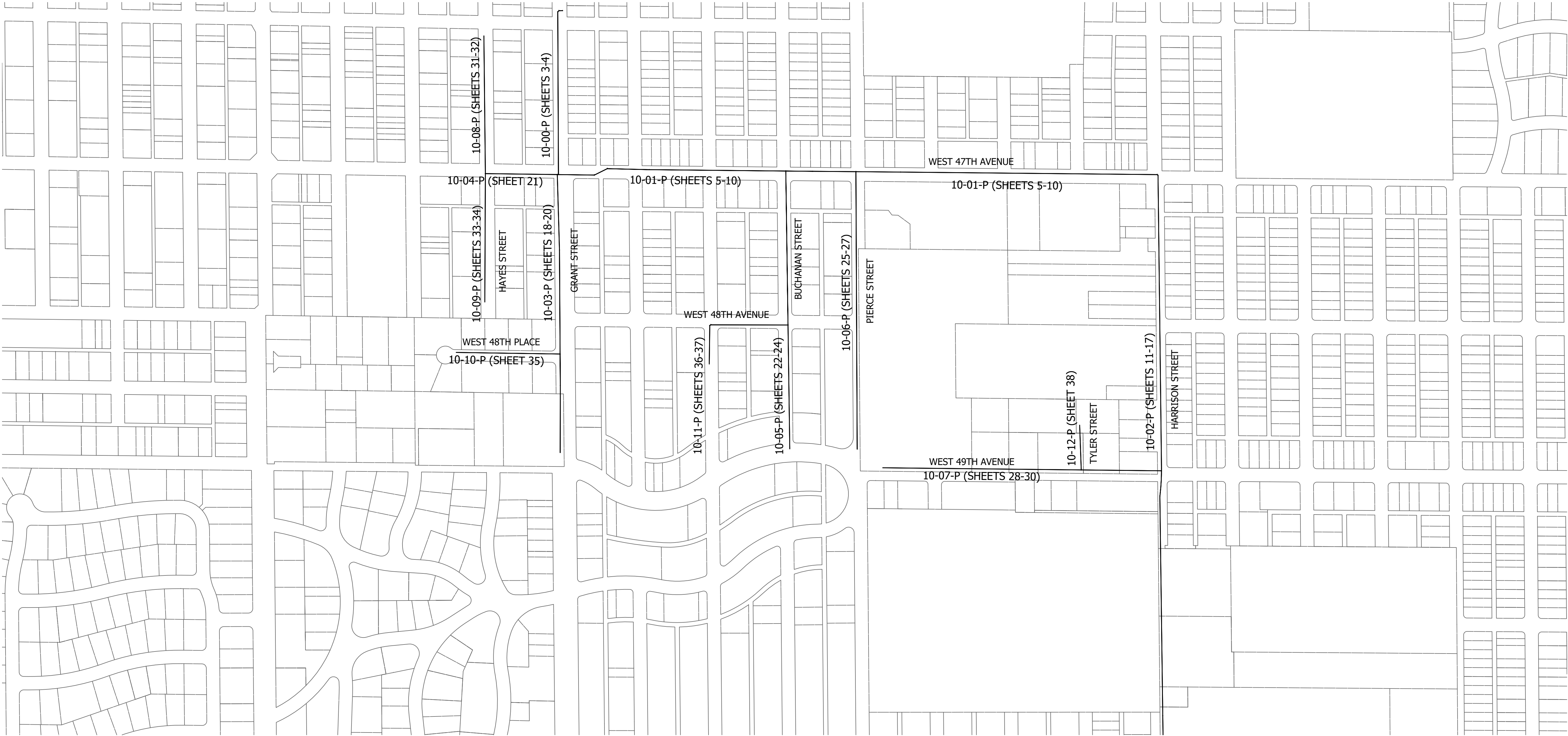
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

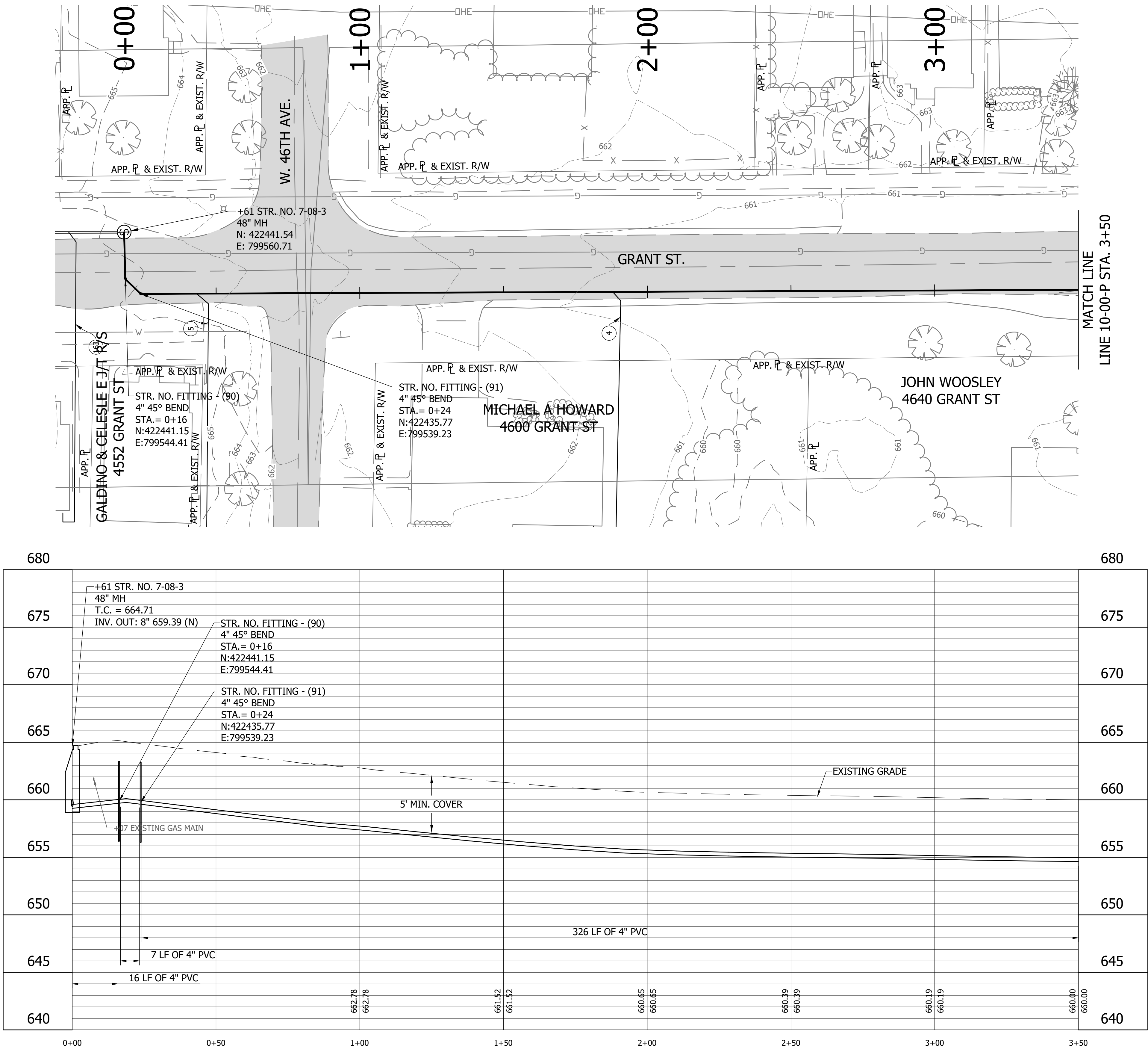
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

OVERALL LAYOUT

HORIZONTAL SCALE		SHEETS	
1" = 250'		02	of 40
VERTICAL SCALE		PROJECT	
N/A		2205032	



DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 00.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:29pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



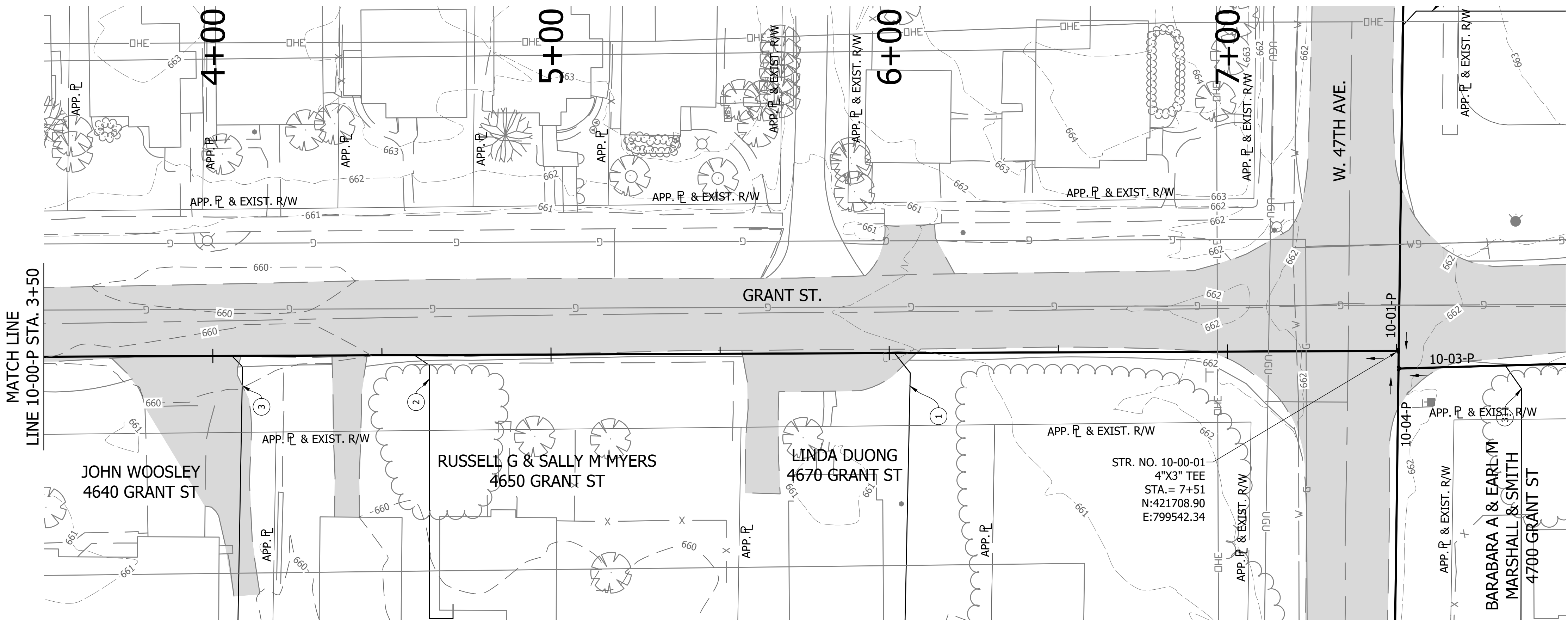
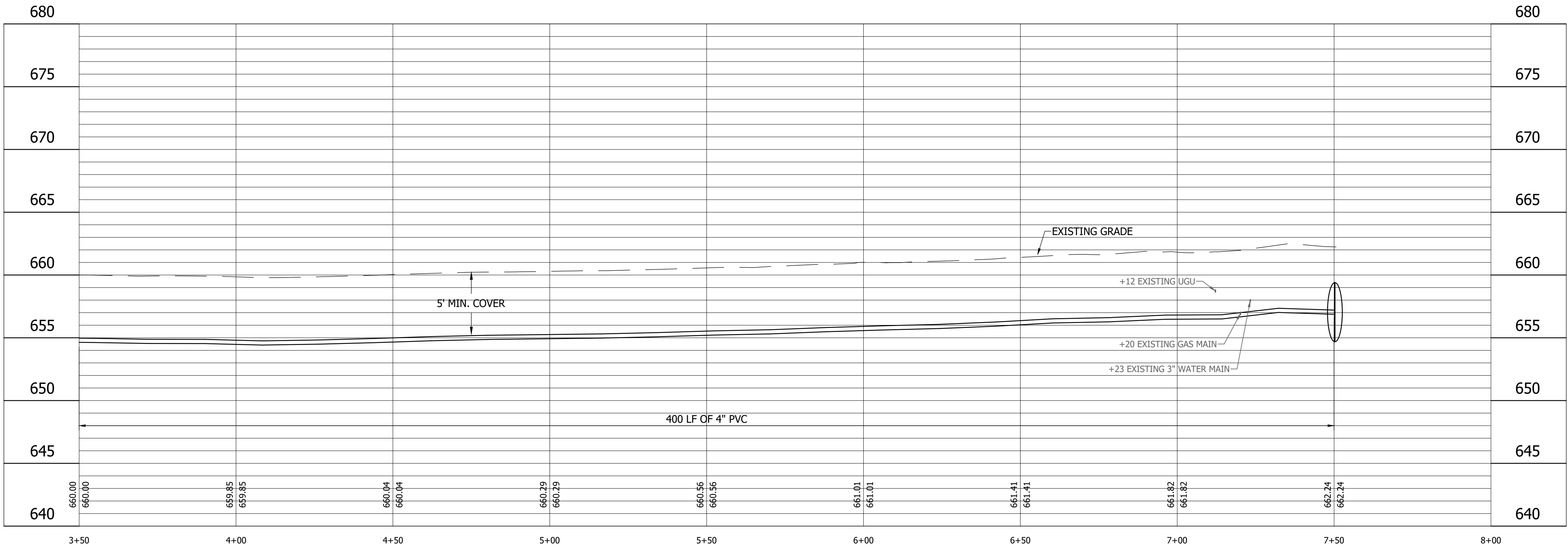
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS	09/14/2022
CHECKED: SJW	CHECKED: JJH	

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-00-P PLAN AND PROFILE STA. 0+00 TO 3+50	

VS ENGINEERING		Indiana 811	
HORIZONTAL SCALE 1" = 20'		SHEETS 3 of 40	
VERTICAL SCALE 1" = 5'		PROJECT 2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 00.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:30pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |

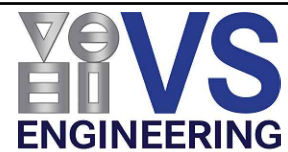


25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ 09/14/2022	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

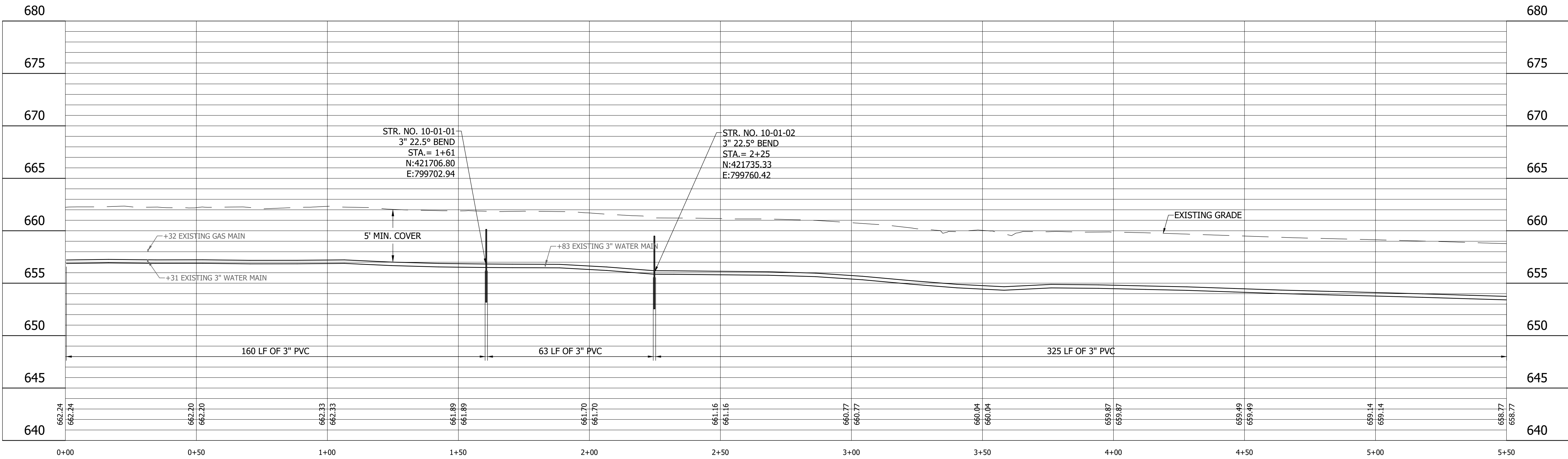
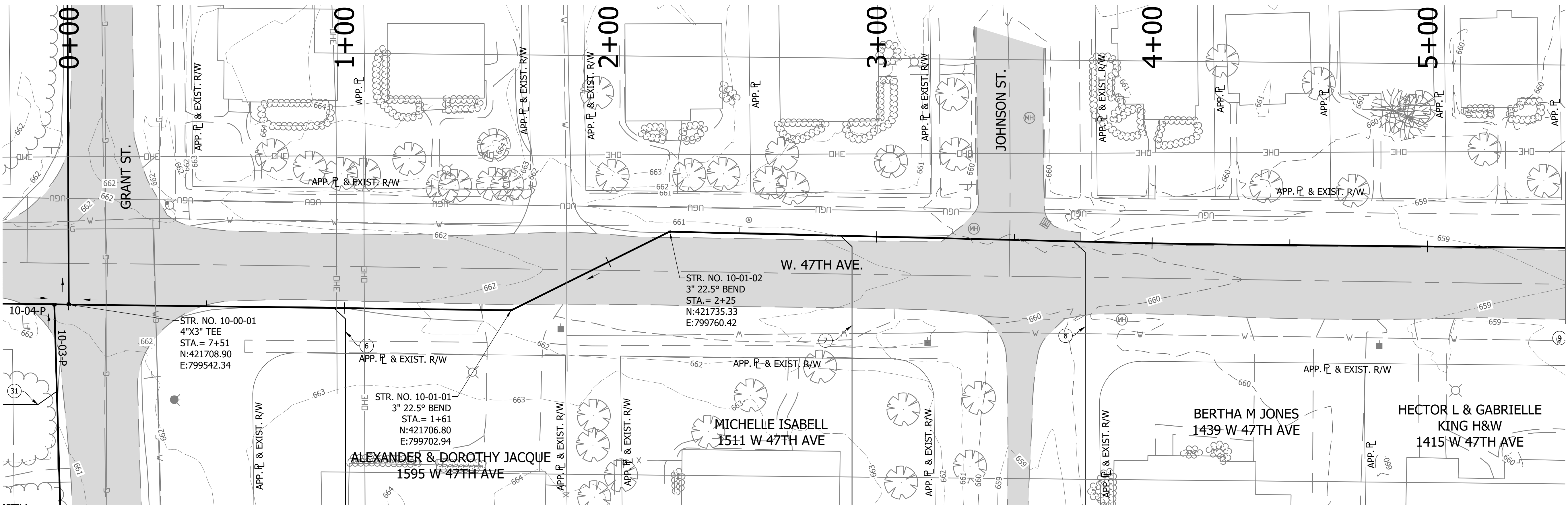
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-00-P PLAN AND PROFILE
STA. 3+50 TO 8+00



HORIZONTAL SCALE	SHEETS	
1" = 20'	4	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY: C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage_1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE: 2205032-Basin 10-PP 01.dwg
DIMSCALE: 1/4" = 1' LTSCALE: 20
PLOTTED BY: JMW
DATE: Nov 04, 2022 - 5:31pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

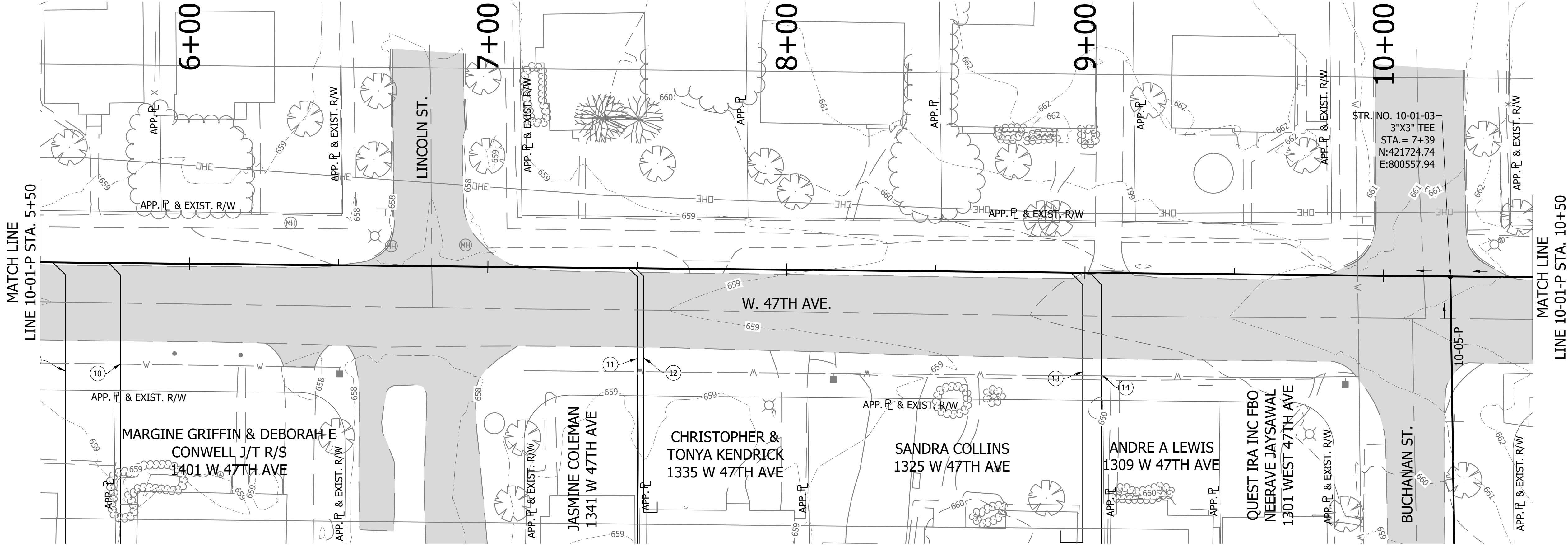
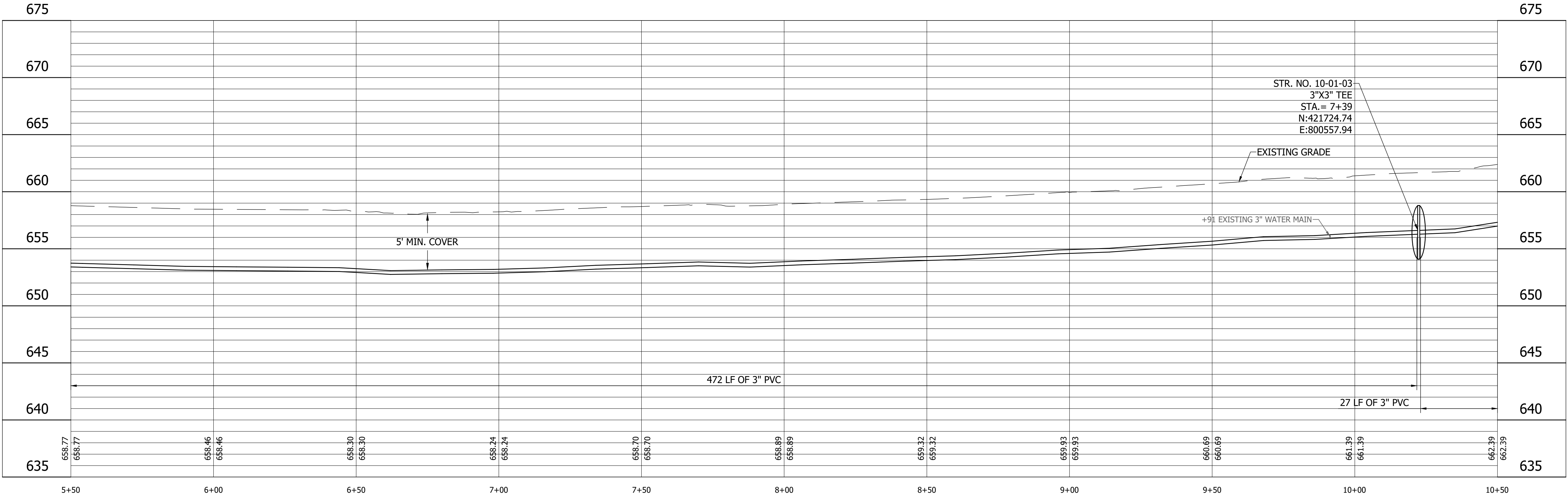
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-01-P PLAN AND PROFILE
STA. 0+00 TO 5+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	5	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 01.dwg
DIMSCALE:1 LTSCALE:20
PLOTED BY:JMowery
DATE:Nov 04,2022 - 5:31pm



LEGEND

- | | | | |
|------|-----------------------|------|----------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| | | (T) | Remove Tree or Shrub |
| | | (WS) | Detectable Warning Surface |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE
09/14/2022

DESIGNED: JJH
DRAWN: LMY/NDS
CHECKED: SJW
CHECKED: JJH

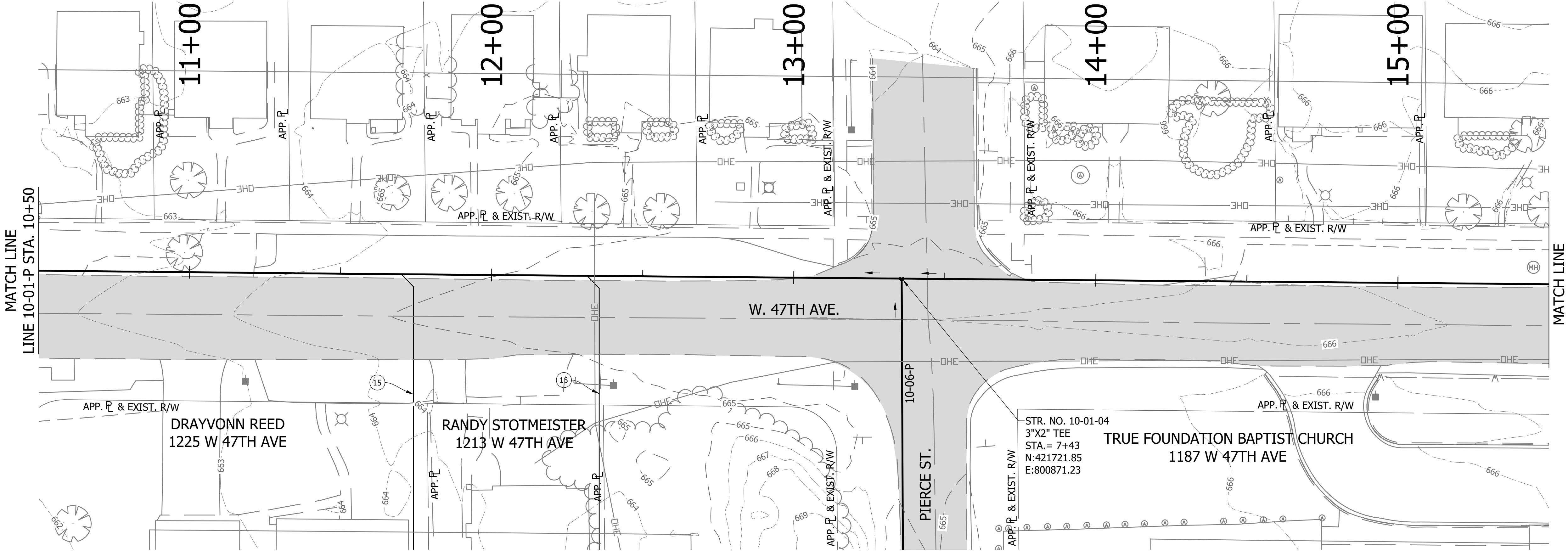
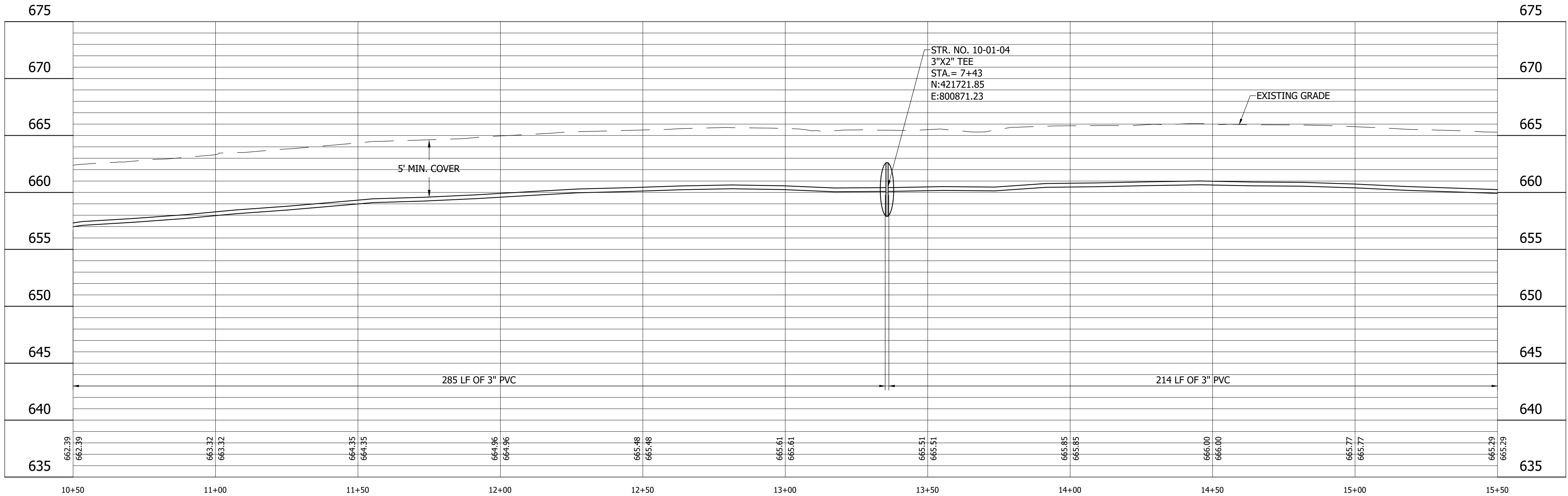
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-01-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	6	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORYC:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE2205032-Basin 10-PP 01.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE.....Nov 04,2022 - 5:32pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface



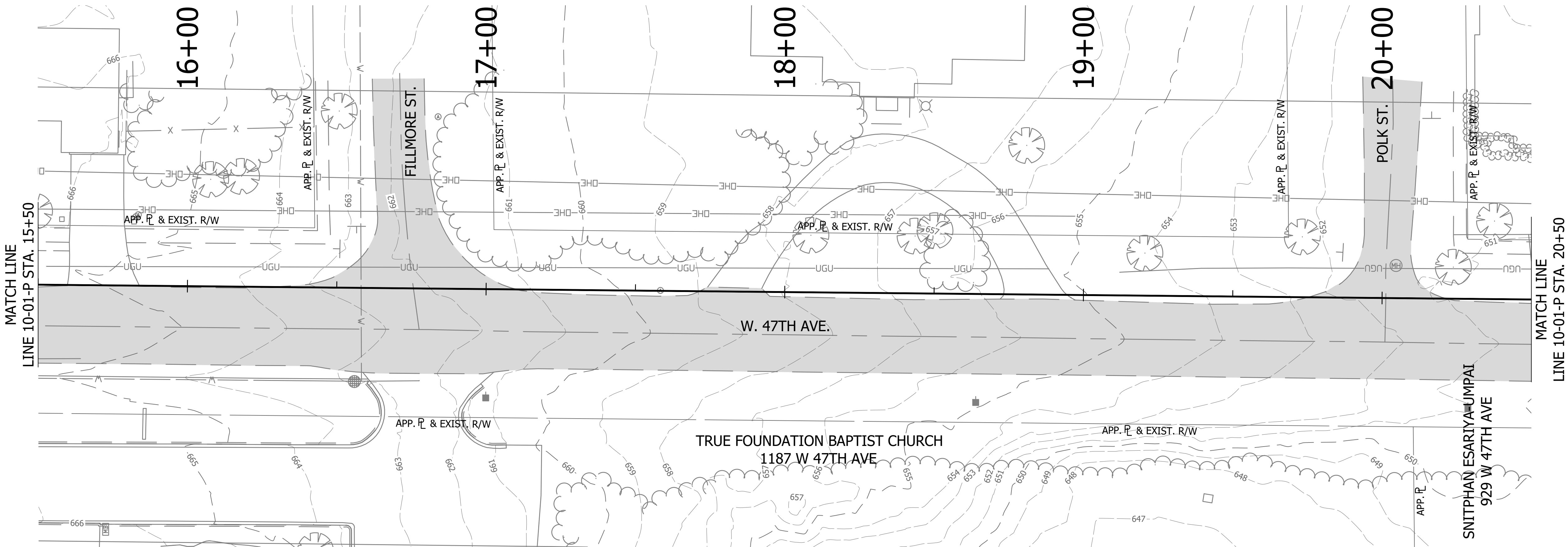
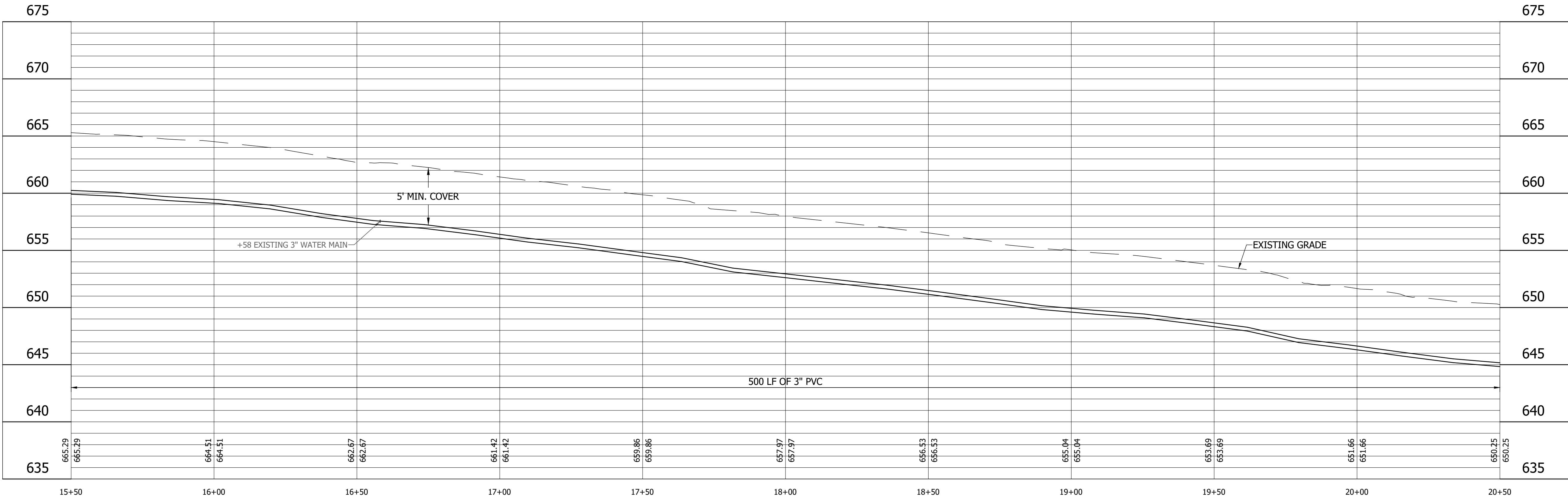
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
	JJH	09/14/2022
DESIGNED:	JJH	DRAWN: LMY/NDS
CHECKED:	SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA
10-01-P PLAN AND PROFILE STA. 10+50 TO 15+50

VS ENGINEERING	Indiana 811
HORIZONTAL SCALE 1" = 20'	SHEETS 7 of 40
VERTICAL SCALE 1" = 5'	PROJECT 2205032

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 01.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:32pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |

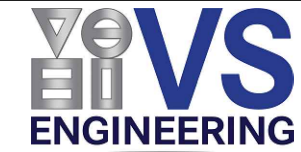


25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

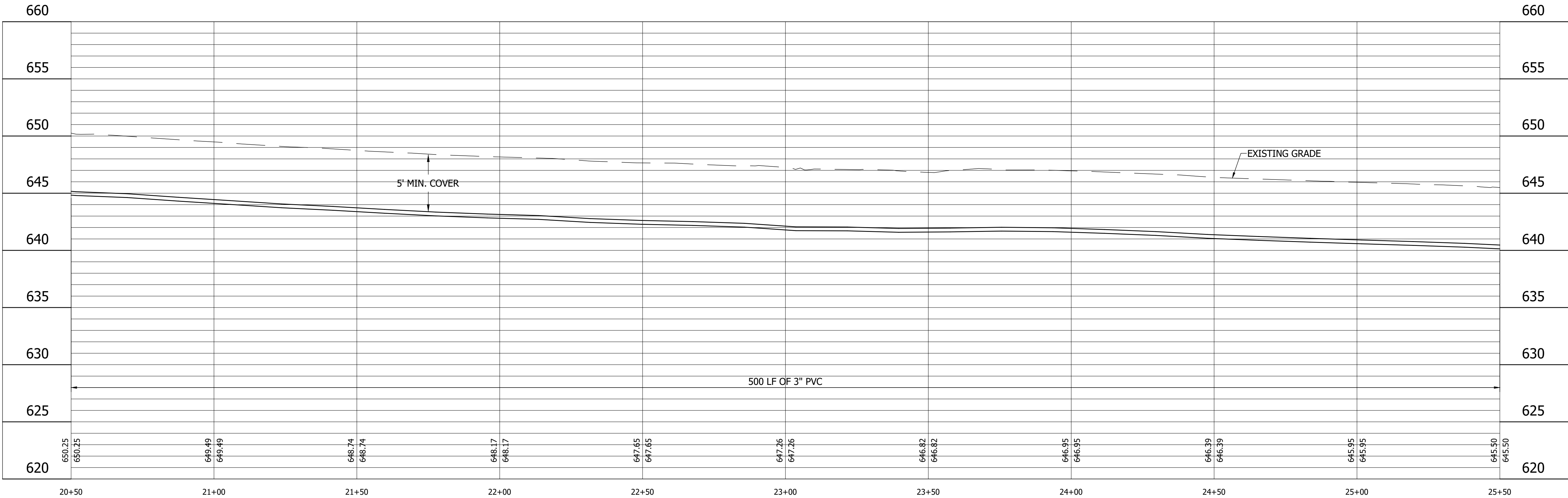
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-01-P PLAN AND PROFILE
STA. 15+50 TO 20+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	8	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 01.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:33pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ 09/14/2022	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-01-P PLAN AND PROFILE STA. 20+50 TO 25+50	

VS ENGINEERING		Indiana 811 Know what's below. ® Before you dig.	
HORIZONTAL SCALE	1" = 20'	SHEETS	9 of 40
VERTICAL SCALE	1" = 5'	PROJECT	2205032



DIRECTORYC:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE2205032-Basin 10-PP 01.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATENov 04,2022 - 5:33pm

- LEGEND
- SH

Stone Shoulder

K

Concrete Sidewalk

S

Remove and Reset Sign

M

Remove and Reset Mailbox

P

Pedestrian Crossing Sign

R

Concrete Curb Ramp

T

Remove Tree or Shrub

WS

Detectable Warning Surface

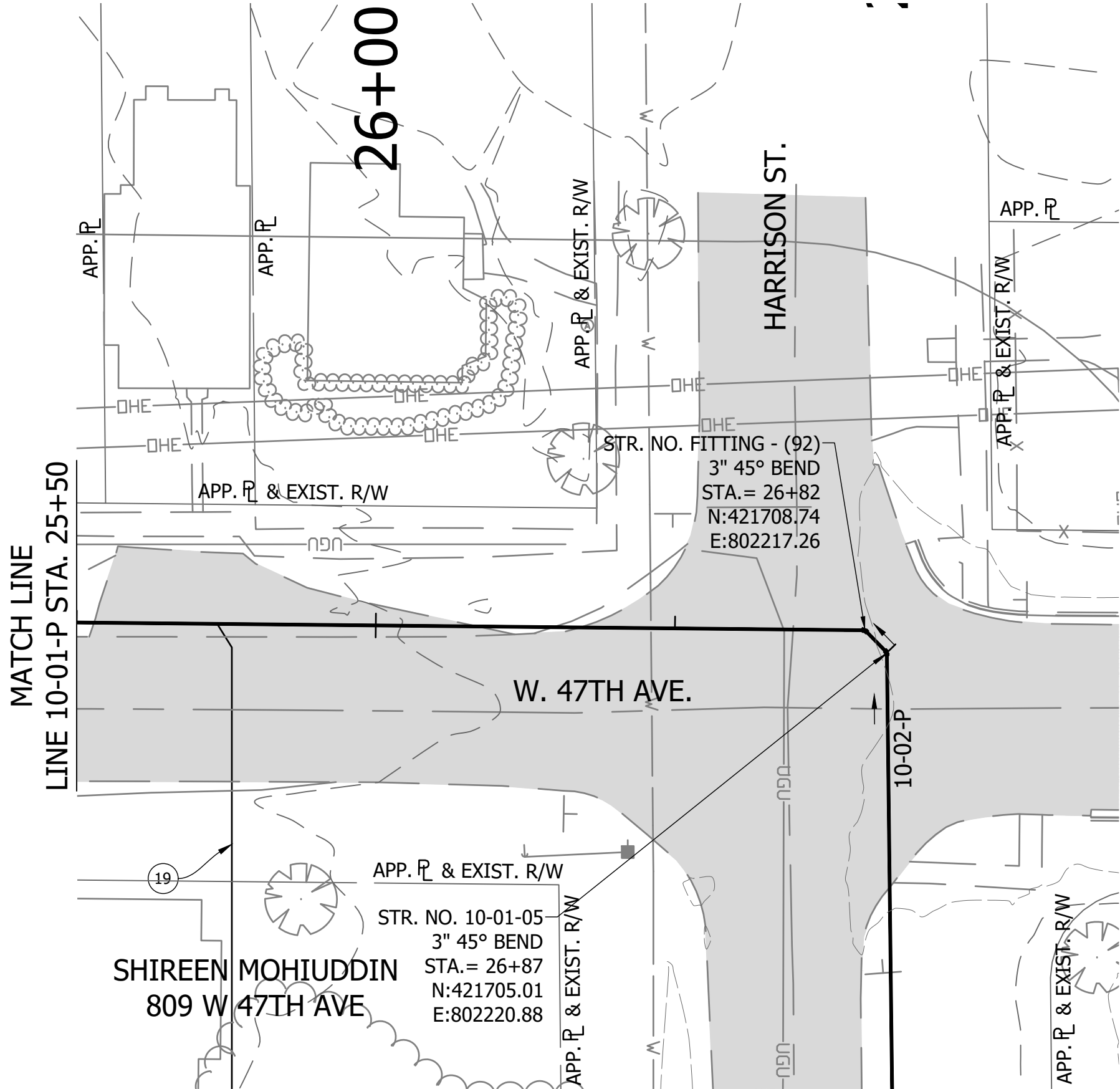
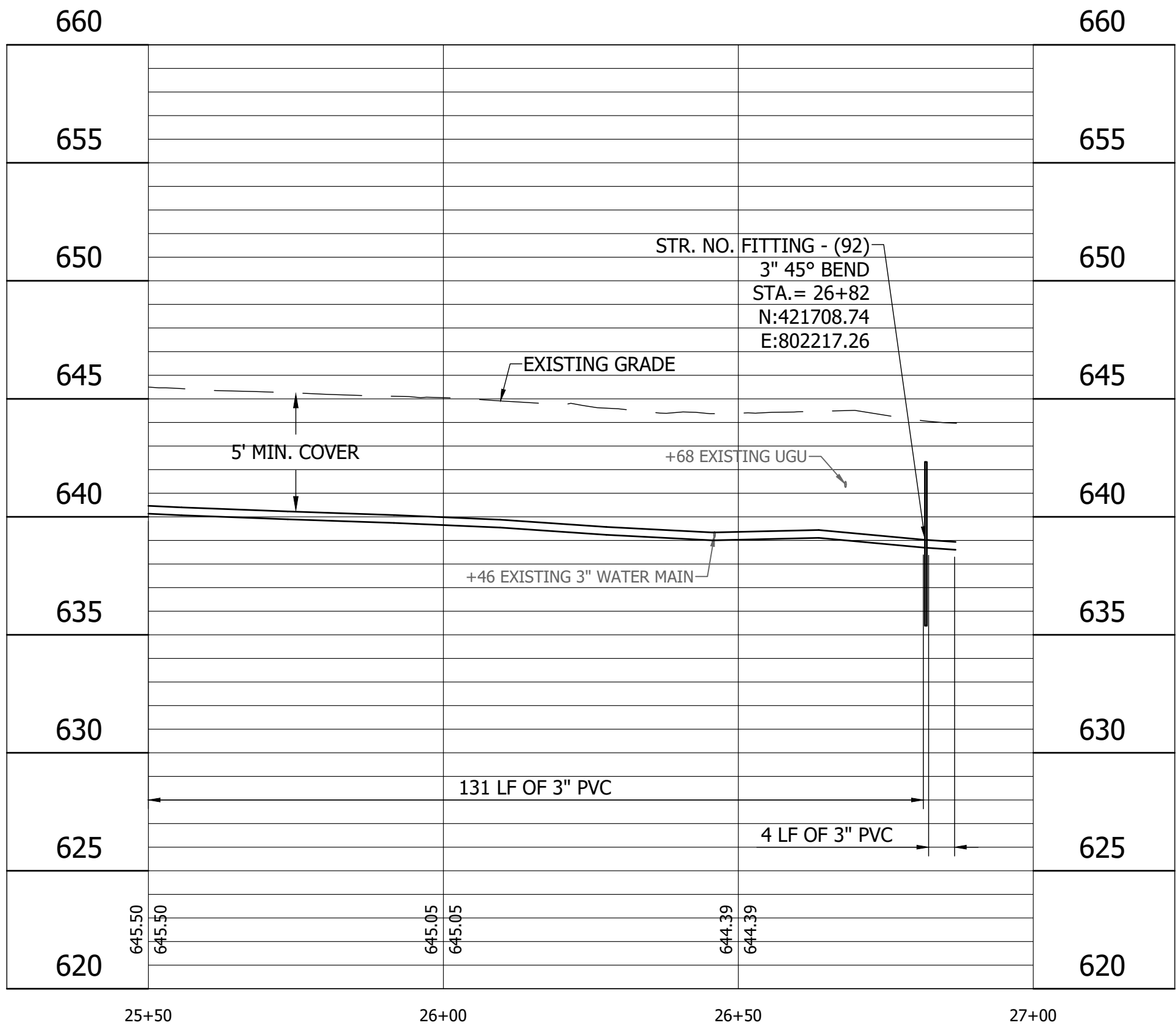


25% DESIGN
NOT FOR
CONSTRUCTION

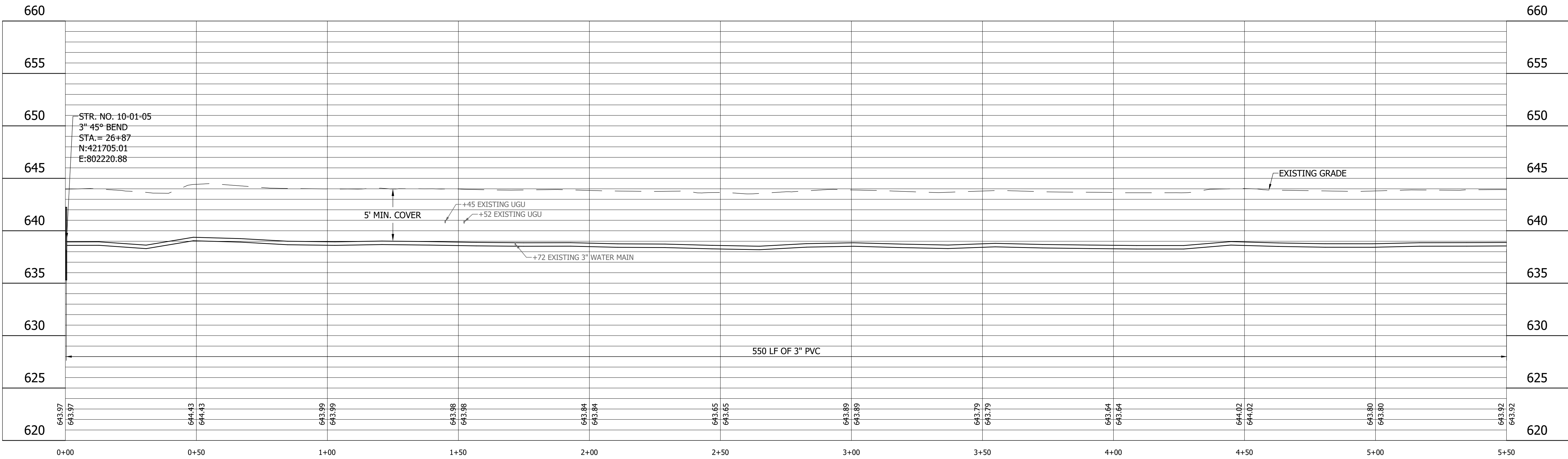
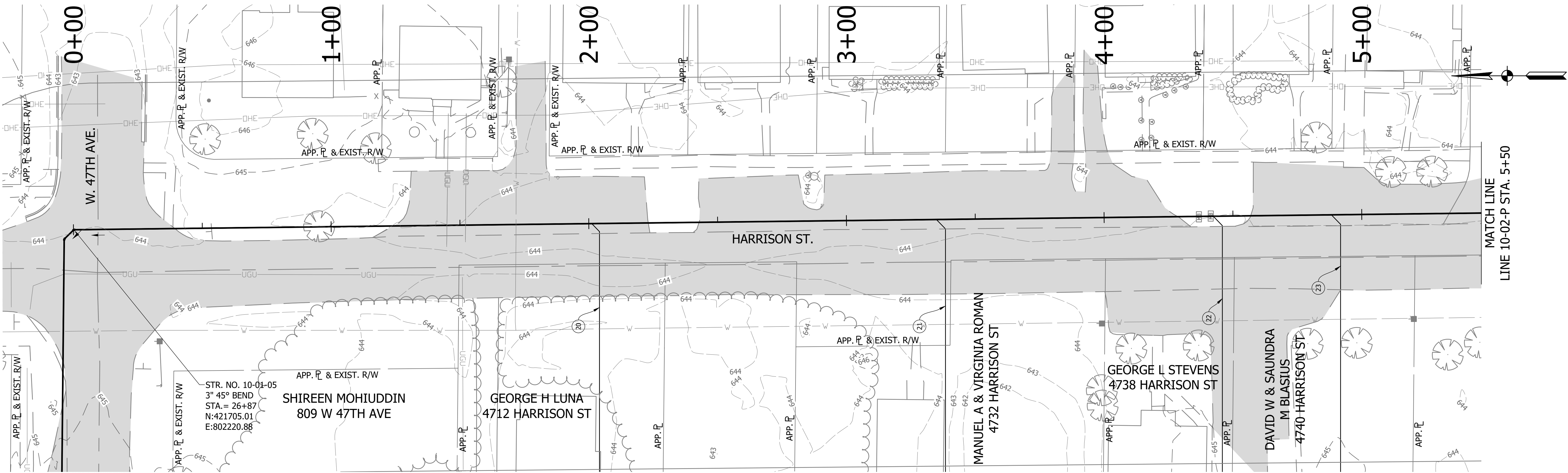
RECOMMENDED FOR APPROVAL _____ 09/14/2022 DESIGN ENGINEER DATE	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-01-P PLAN AND PROFILE STA. 25+50 TO 27+00	

			
HORIZONTAL SCALE		SHEETS	
1" = 20'	10	of	40
VERTICAL SCALE		PROJECT	
1" = 5'	2205032		



DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 02.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMWery
DATE:Nov 04,2022 - 5:35pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



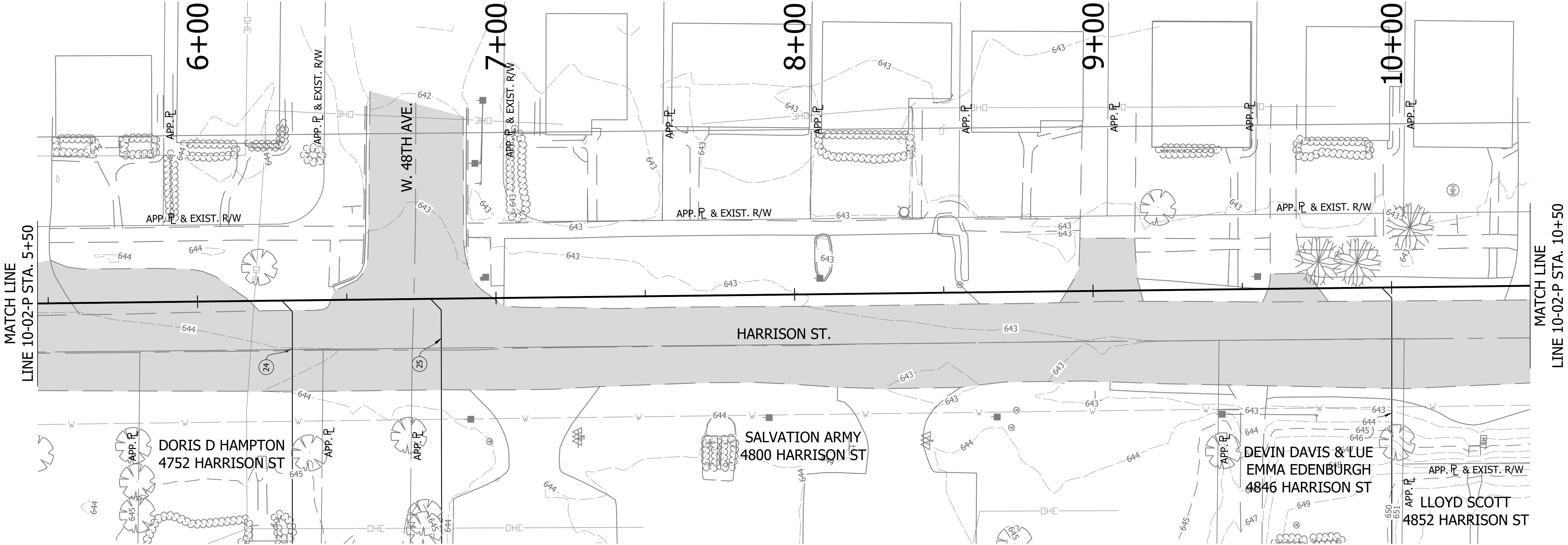
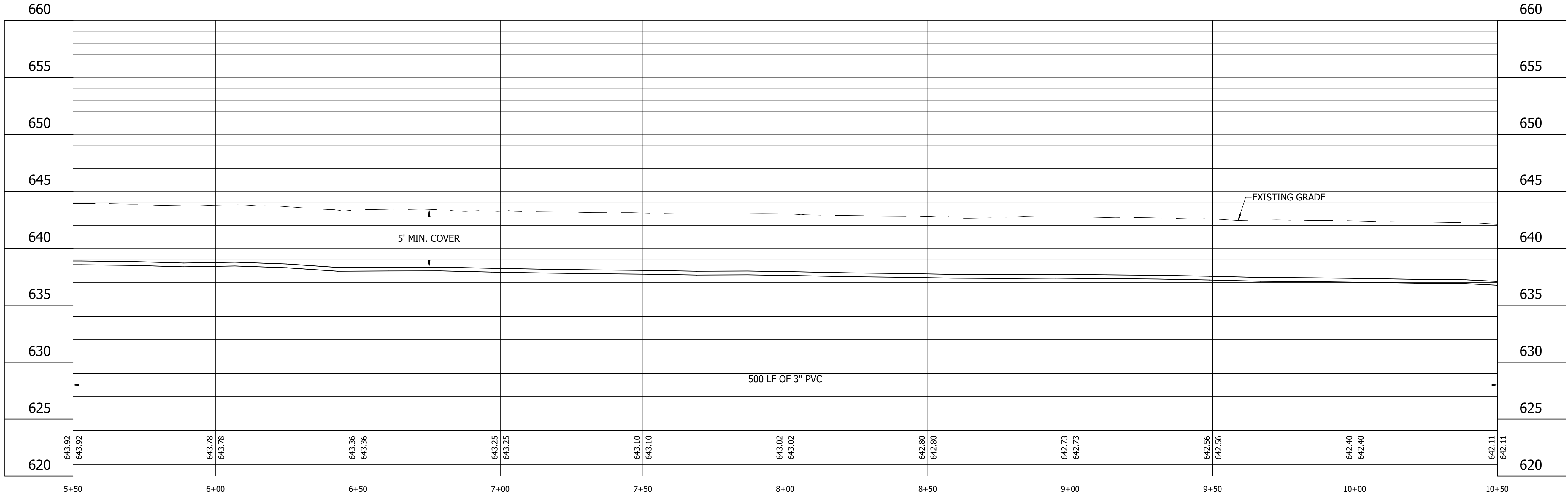
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-02-P PLAN AND PROFILE STA. 0+00 TO 5+50	

VS ENGINEERING		INDIANA	
HORIZONTAL SCALE 1" = 20'		SHEETS 11 of 40	
VERTICAL SCALE 1" = 5'		PROJECT 2205032	

DIRECTORY: C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE:2205032-Basin 10-PP 02.dwg
DIMSCALE: 1/8" = 1' LTSCALE: 20
PLOTTED BY: JMW
DATE:Nov 04, 2022 - 5:35pm



LEGEND

- | | | | |
|------|-----------------------|------|----------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| | | (T) | Remove Tree or Shrub |
| | | (WS) | Detectable Warning Surface |



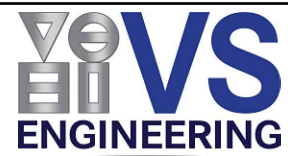
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE

DESIGNED: JJH
CHECKED: SJW
DRAWN: LMY/NDS
CHECKED: JJH

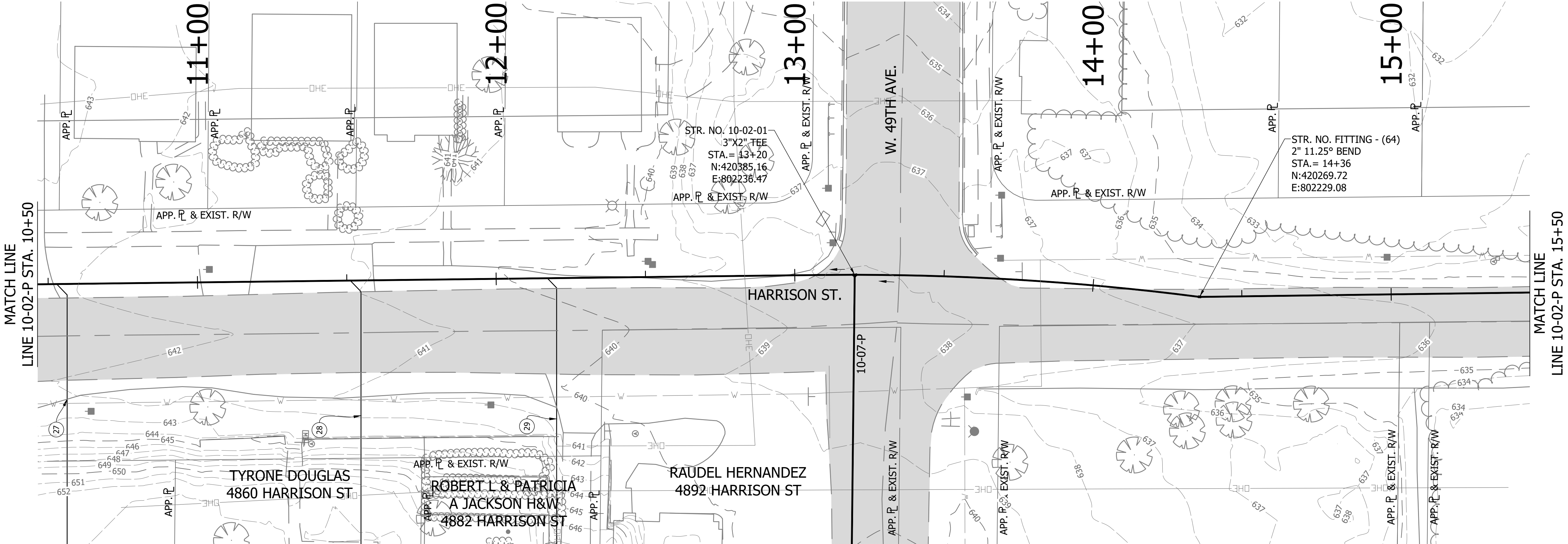
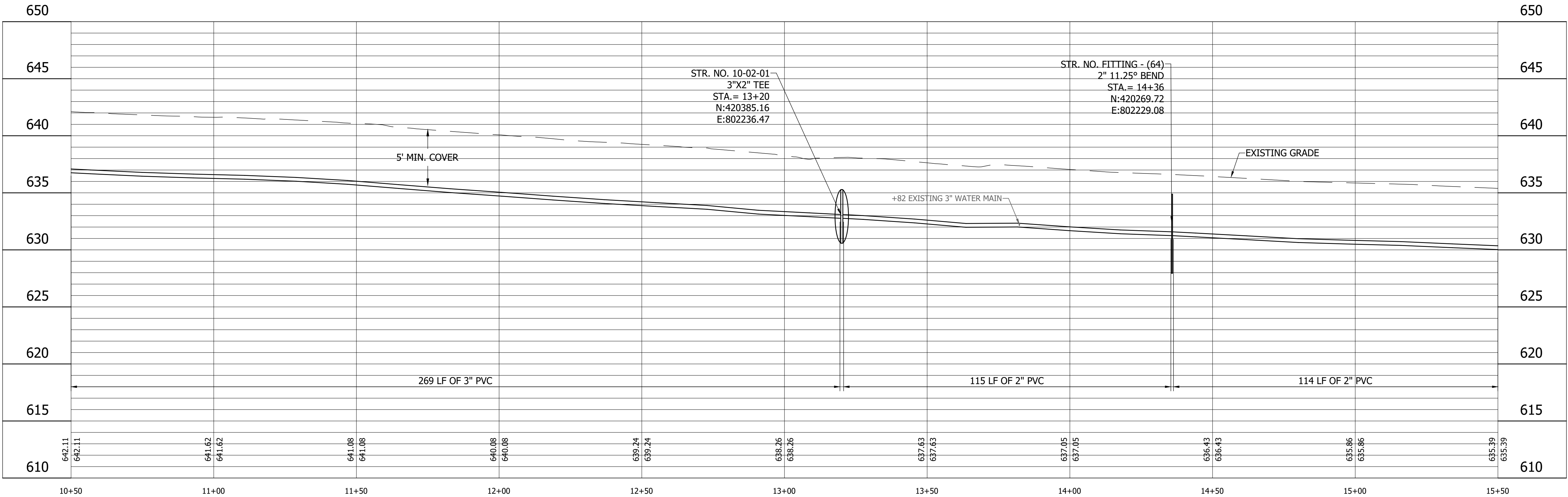
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-02-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE	SHEETS
1" = 20'	12 of 40
VERTICAL SCALE	PROJECT
1" = 5'	2205032

DIRECTORY: C:\Project\Wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE:2205032-Basin 10-PP 02.dwg
DIMSCALE: 1/8" = 1' LTSCALE: 20
PLOT BY: JMW
DATE: Nov 04, 2022 - 5:36pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface

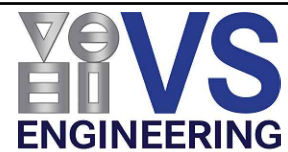


25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS	09/14/2022
CHECKED: SJW	CHECKED: JJH	

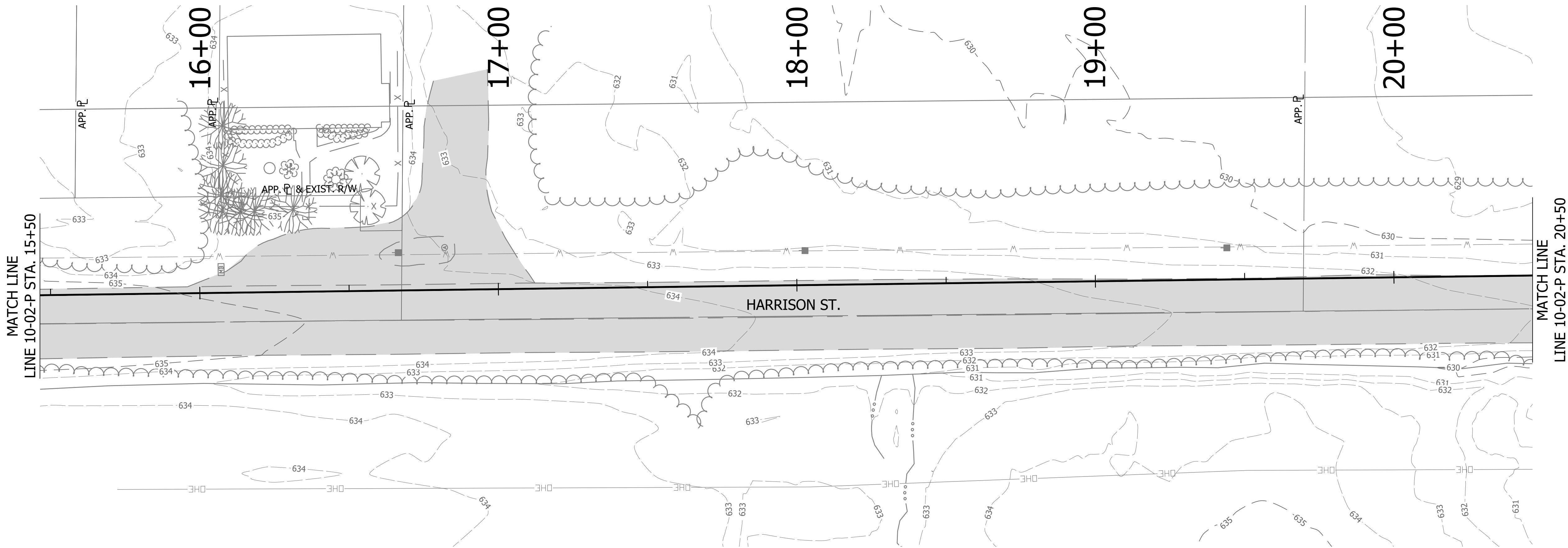
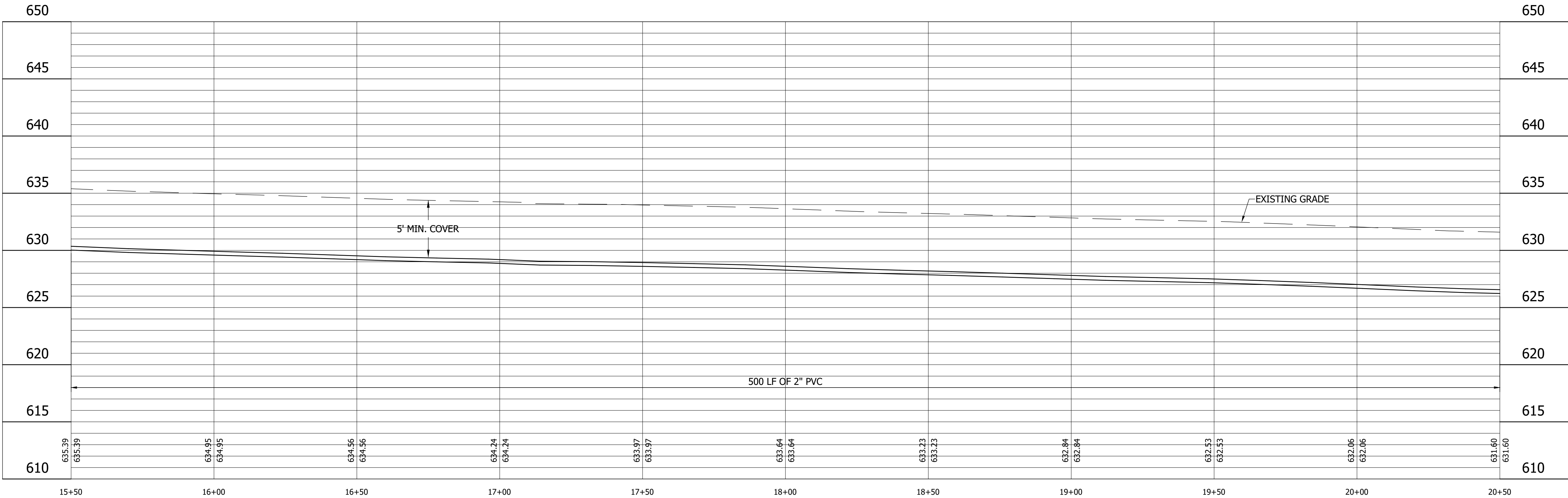
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-02-P PLAN AND PROFILE
STA. 10+50 TO 15+50



HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
SHEETS	13 of 40
PROJECT	2205032

DIRECTORY :C:\Project\wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\FILE :2205032-Basin 10-PP 02.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:36pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGNED: JJH		DRAWN: LMY/NDS	
CHECKED: SJW		CHECKED: JJH	

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

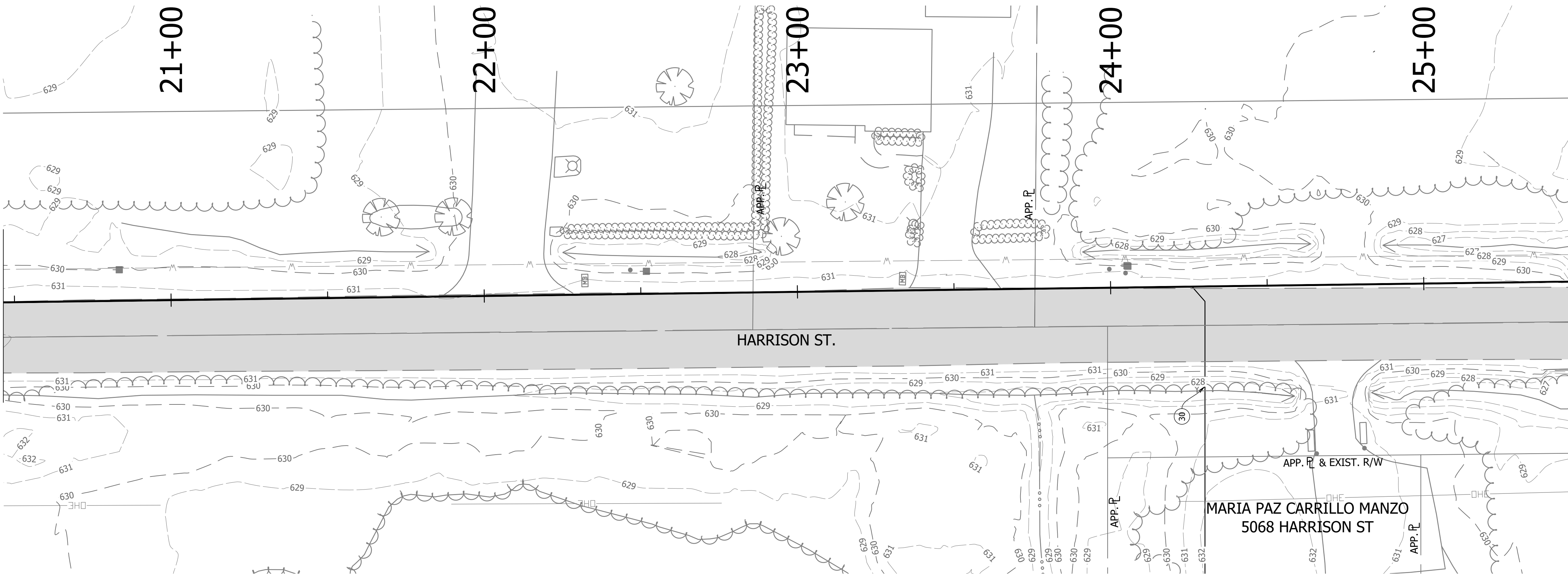
10-02-P PLAN AND PROFILE
STA. 15+50 TO 20+50



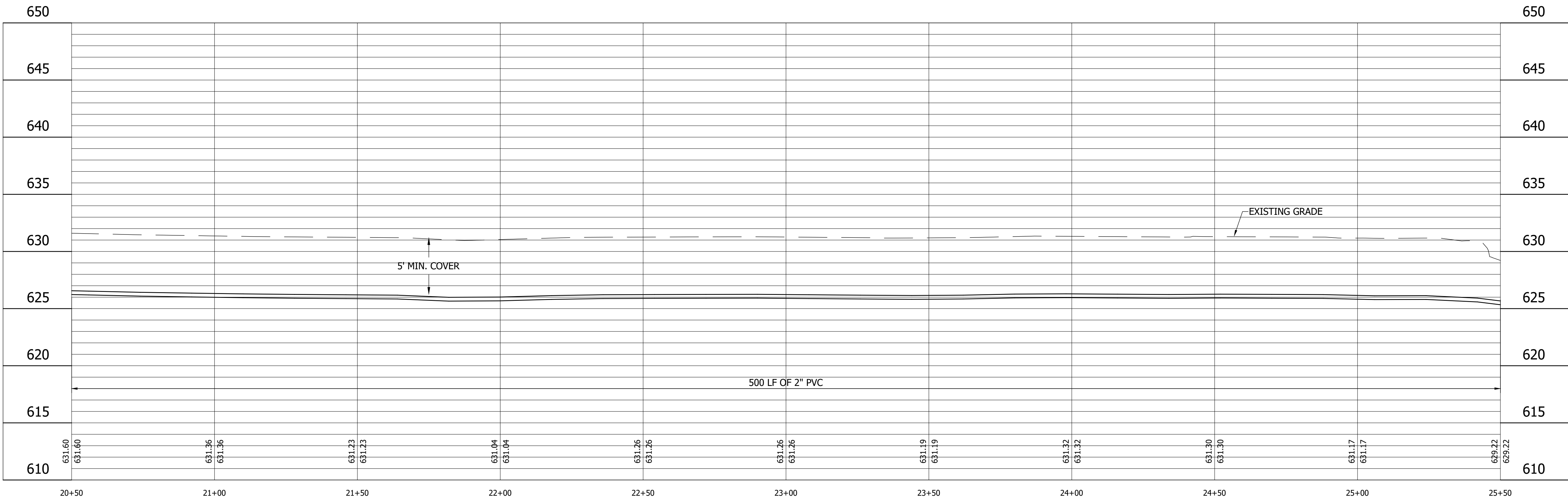
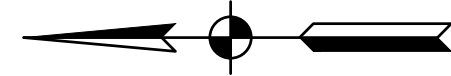
HORIZONTAL SCALE		SHEETS	
1" = 20'		14	of 40
VERTICAL SCALE		PROJECT	
1" = 5'		2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 02.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:37pm

MATCH LINE
LINE 10-02-P STA. 20+50



MATCH LINE
LINE 10-02-P STA. 25+50



LEGEND

- | | | | |
|------|-----------------------|------|----------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| | | (T) | Remove Tree or Shrub |
| | | (WS) | Detectable Warning Surface |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE
09/14/2022

DESIGNED: JJH
CHECKED: SJW
DRAWN: LMY/NDS
CHECKED: JJH

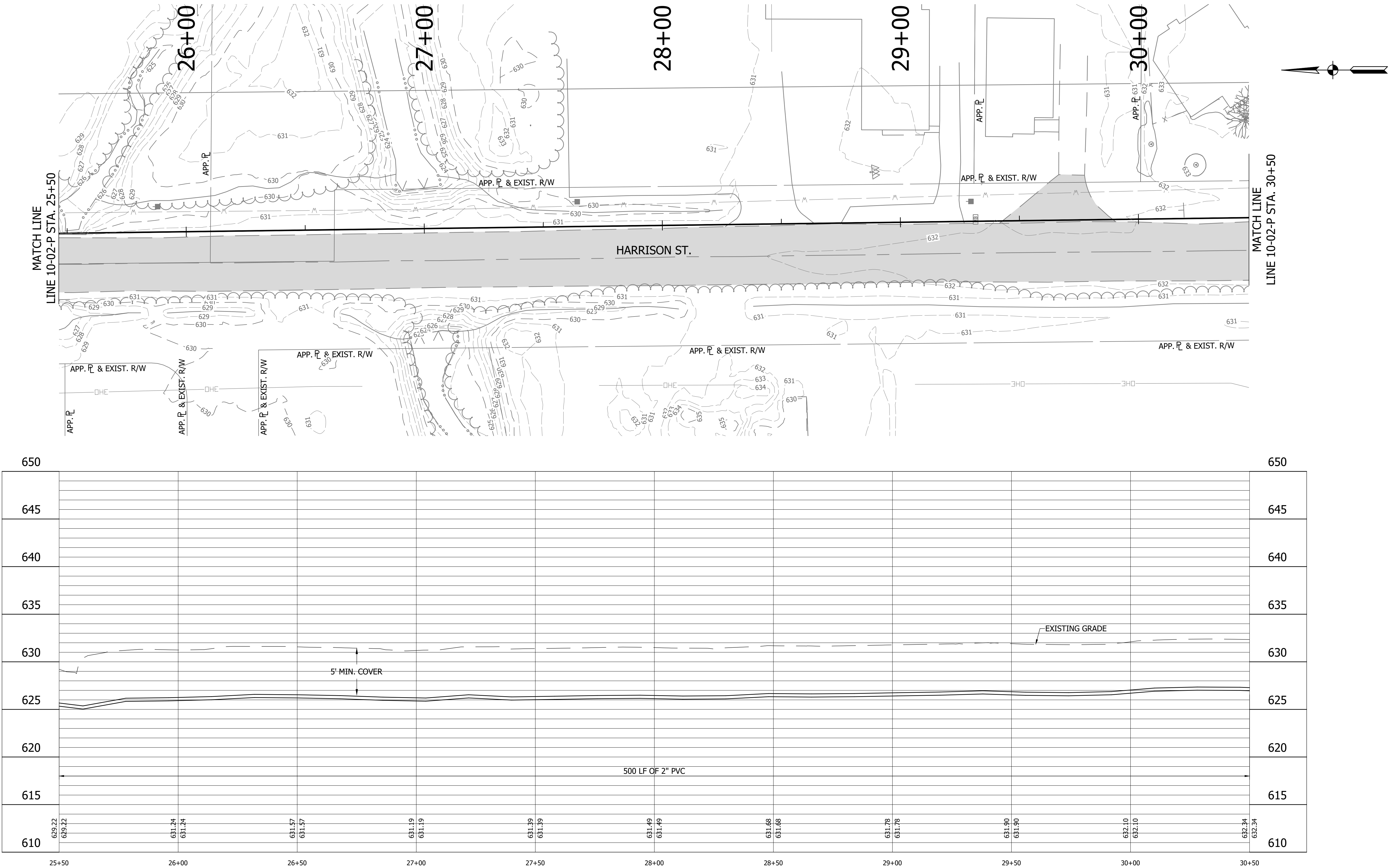
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-02-P PLAN AND PROFILE
STA. 20+50 TO 25+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	15	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 02.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:37pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGNED: JJH		DRAWN: LMY/NDS	
CHECKED: SJW		CHECKED: JJH	

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-02-P PLAN AND PROFILE STA. 25+50 TO 30+50	

VS ENGINEERING		INDIANA 811	
HORIZONTAL SCALE 1" = 20'		SHEETS 16 of 40	
VERTICAL SCALE 1" = 5'		PROJECT 2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 02.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:38pm

- LEGEND
- SH

Stone Shoulder

K

Concrete Sidewalk

S

Remove and Reset Sign

M

Remove and Reset Mailbox

P

Pedestrian Crossing Sign

R

Concrete Curb Ramp

T

Remove Tree or Shrub

WS

Detectable Warning Surface



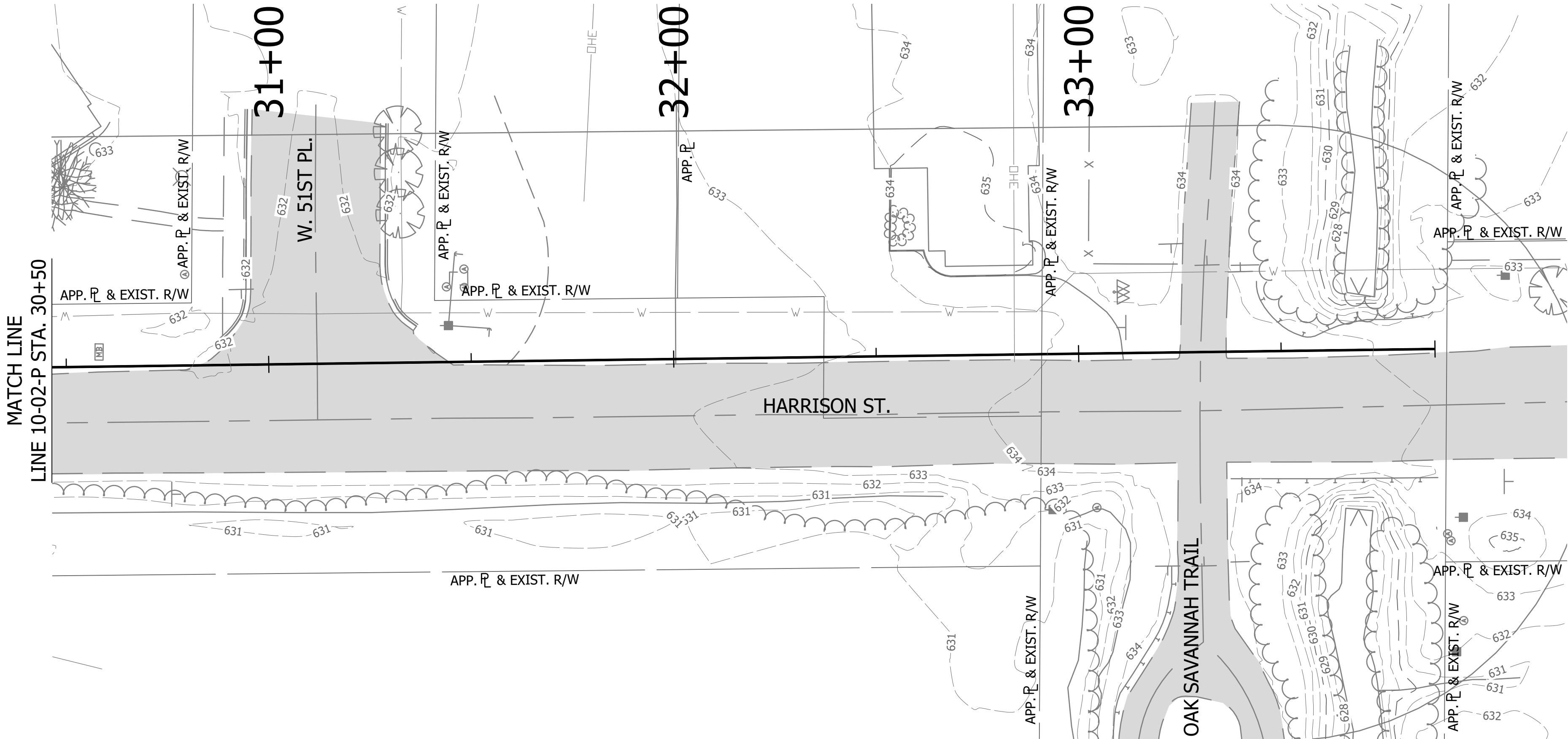
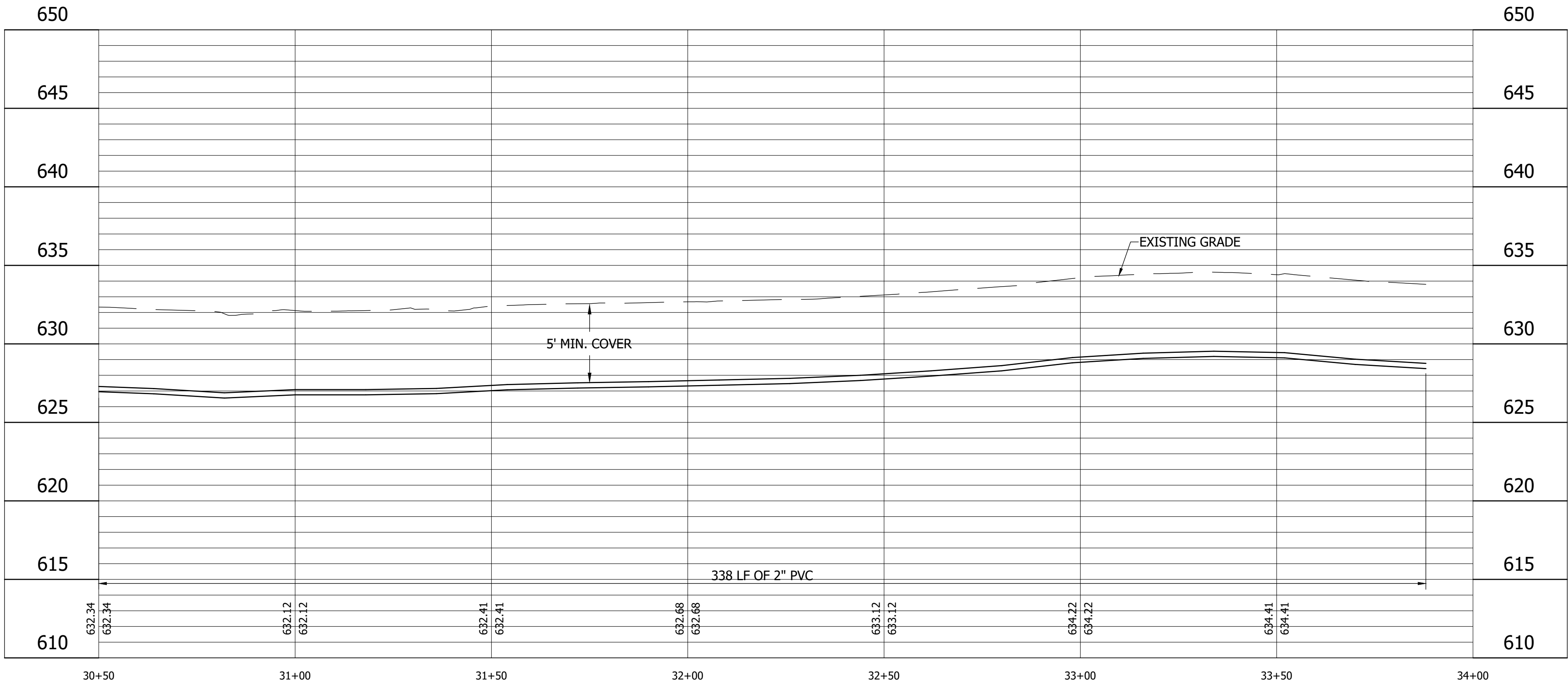
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

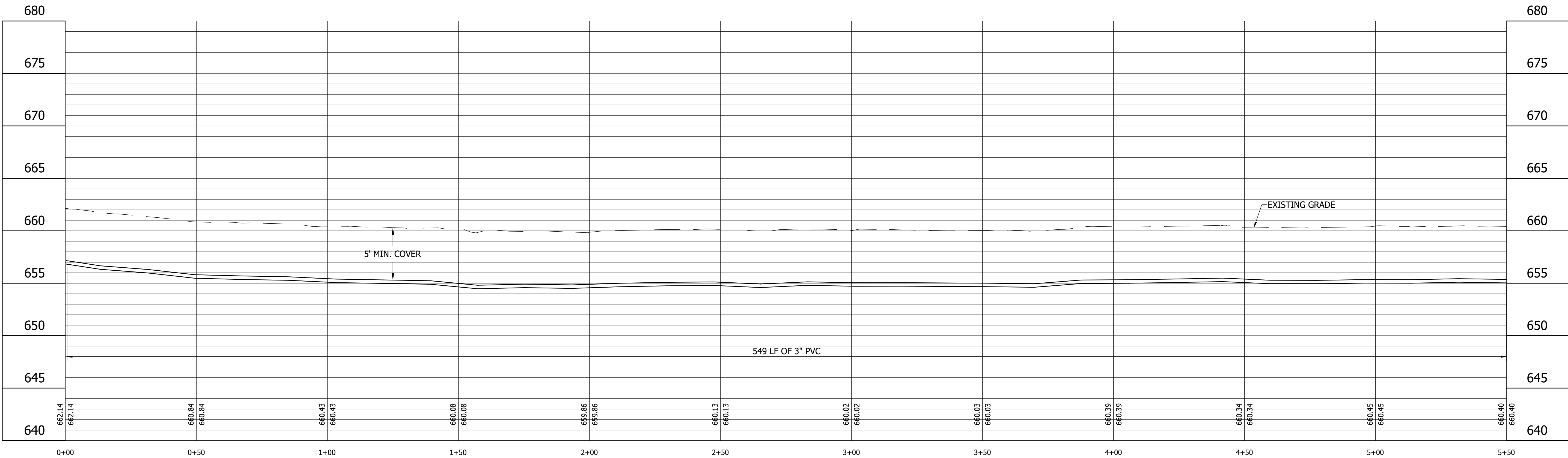
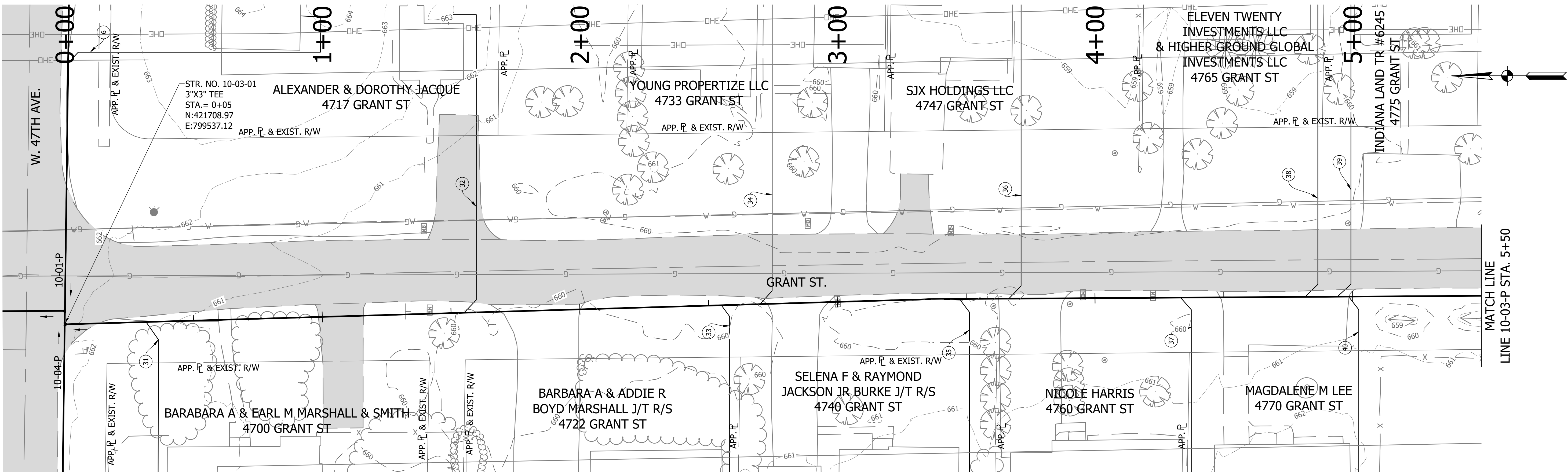
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-02-P PLAN AND PROFILE
STA. 30+50 TO 34+00

			
HORIZONTAL SCALE		SHEETS	
1" = 20'	17	of	40
VERTICAL SCALE		PROJECT	
1" = 5'	2205032		



DIRECTORYC:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04+Plan and Profiles\FILE2205032-Basin 10-PP 03.dwg
DIMSCALE:1.1 LTSCALE:20
PLOTTED BY:J.Mowery
DATE:.....Nov 04,2022 - 5:39pm



- LEGEND**
- | | | | |
|------|-----------------------|------|----------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| | | (T) | Remove Tree or Shrub |
| | | (WS) | Detectable Warning Surface |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ 09/14/2022 DESIGN ENGINEER DATE	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

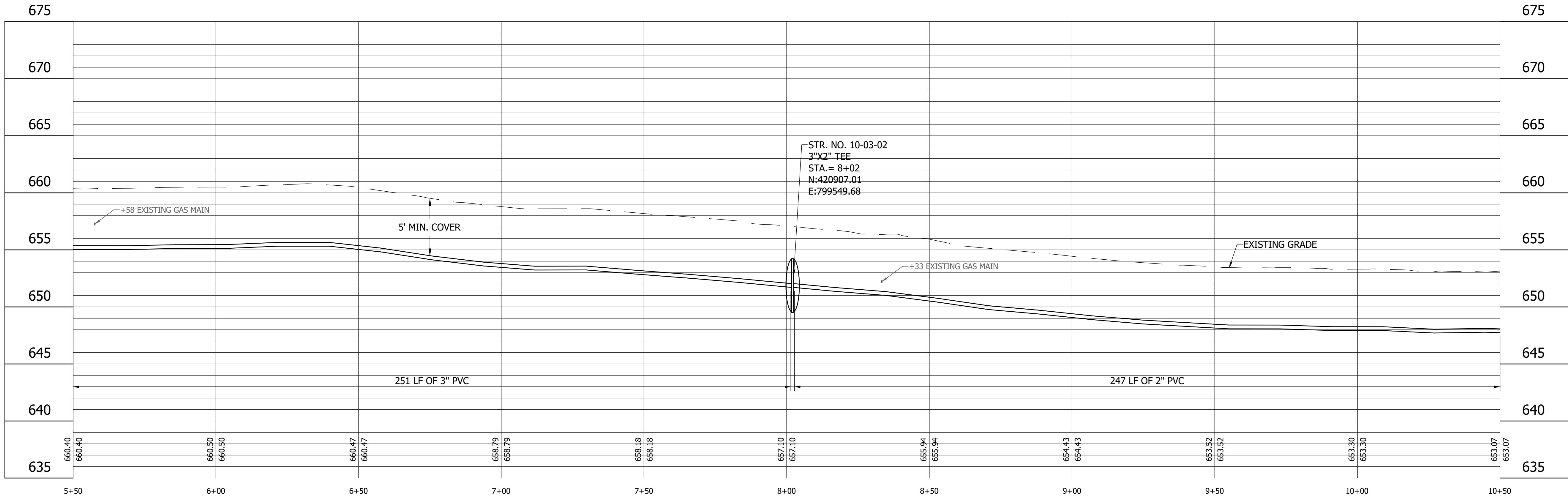
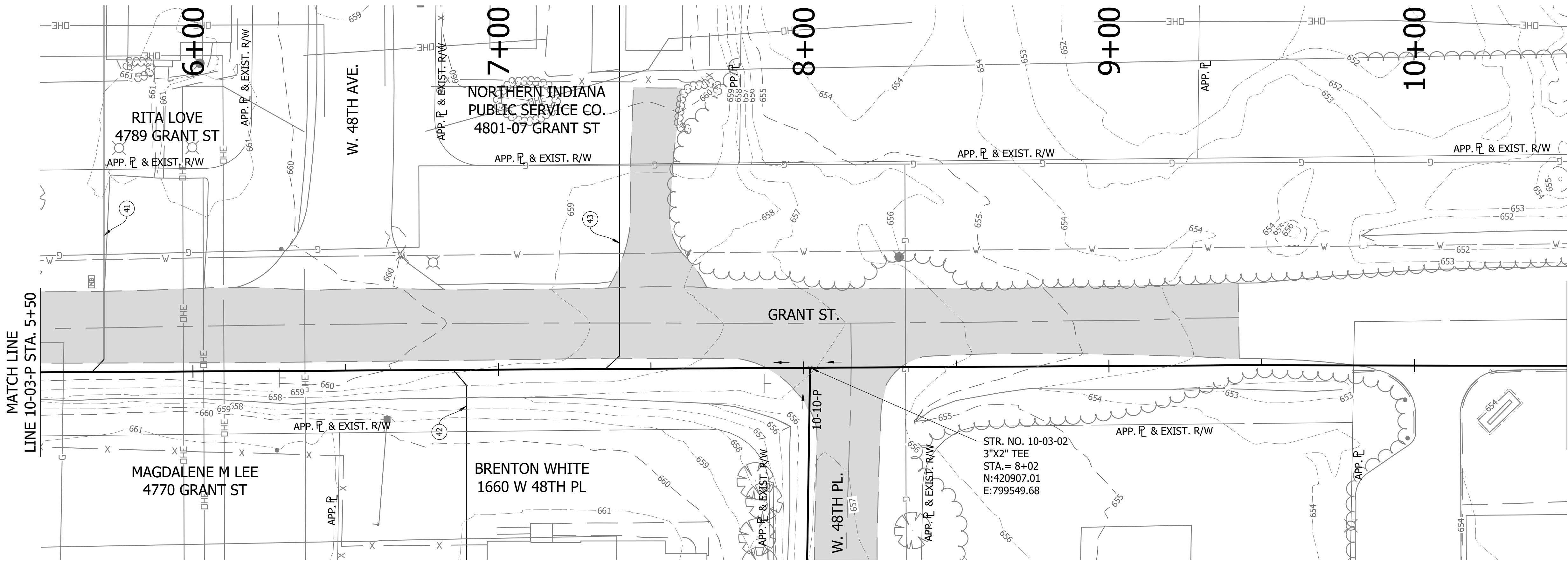
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-03-P PLAN AND PROFILE
STA. 0+00 TO 5+50



HORIZONTAL SCALE 1" = 20'	SHEETS 18 of 40
VERTICAL SCALE 1" = 5'	PROJECT 2205032

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage \130 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 03.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:39pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |

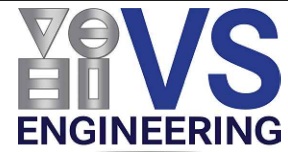


25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

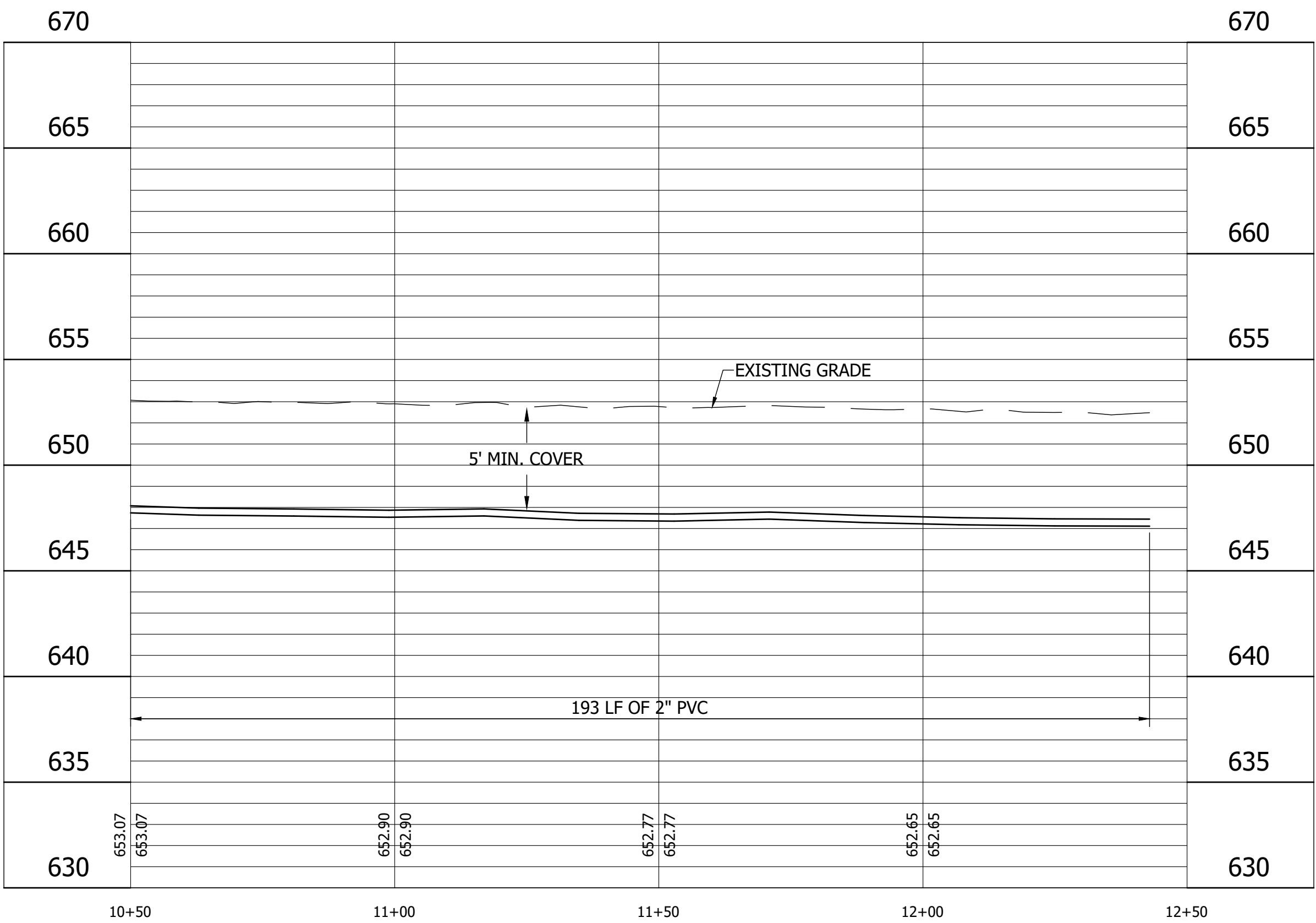
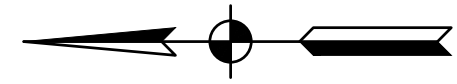
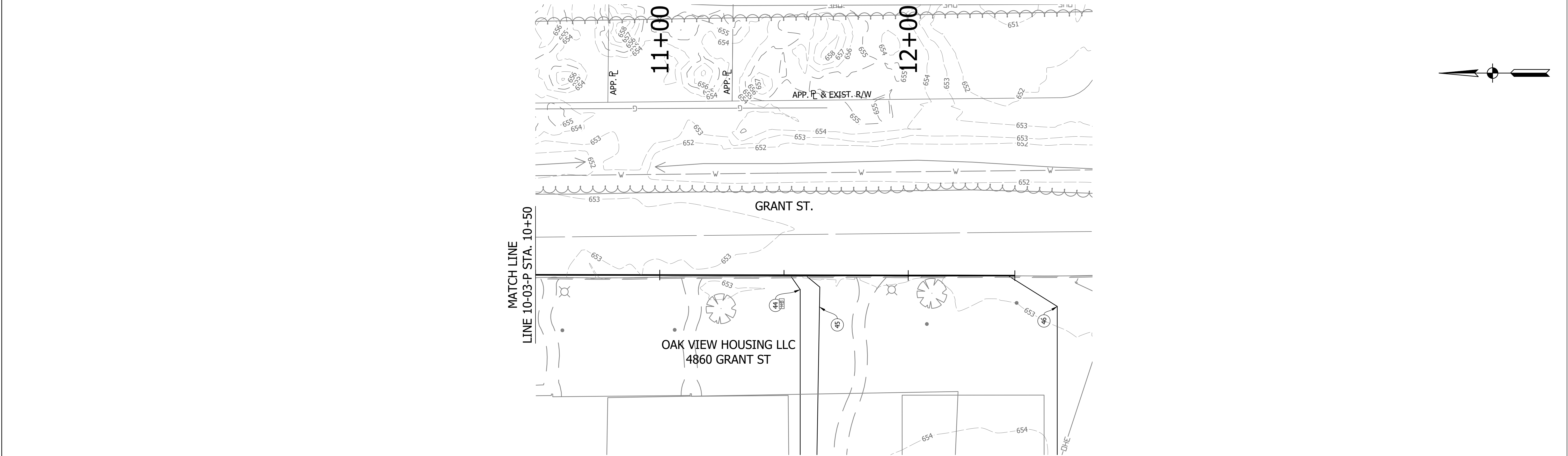
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-03-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE		SHEETS	
1" = 20'		19	of 40
VERTICAL SCALE		PROJECT	
1" = 5'		2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 03.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:40pm



LEGEND	
(SH) Stone Shoulder	(M) Remove and Reset Mailbox
(K) Concrete Sidewalk	(P) Pedestrian Crossing Sign
(S) Remove and Reset Sign	(R) Concrete Curb Ramp
	(T) Remove Tree or Shrub
	(WS) Detectable Warning Surface



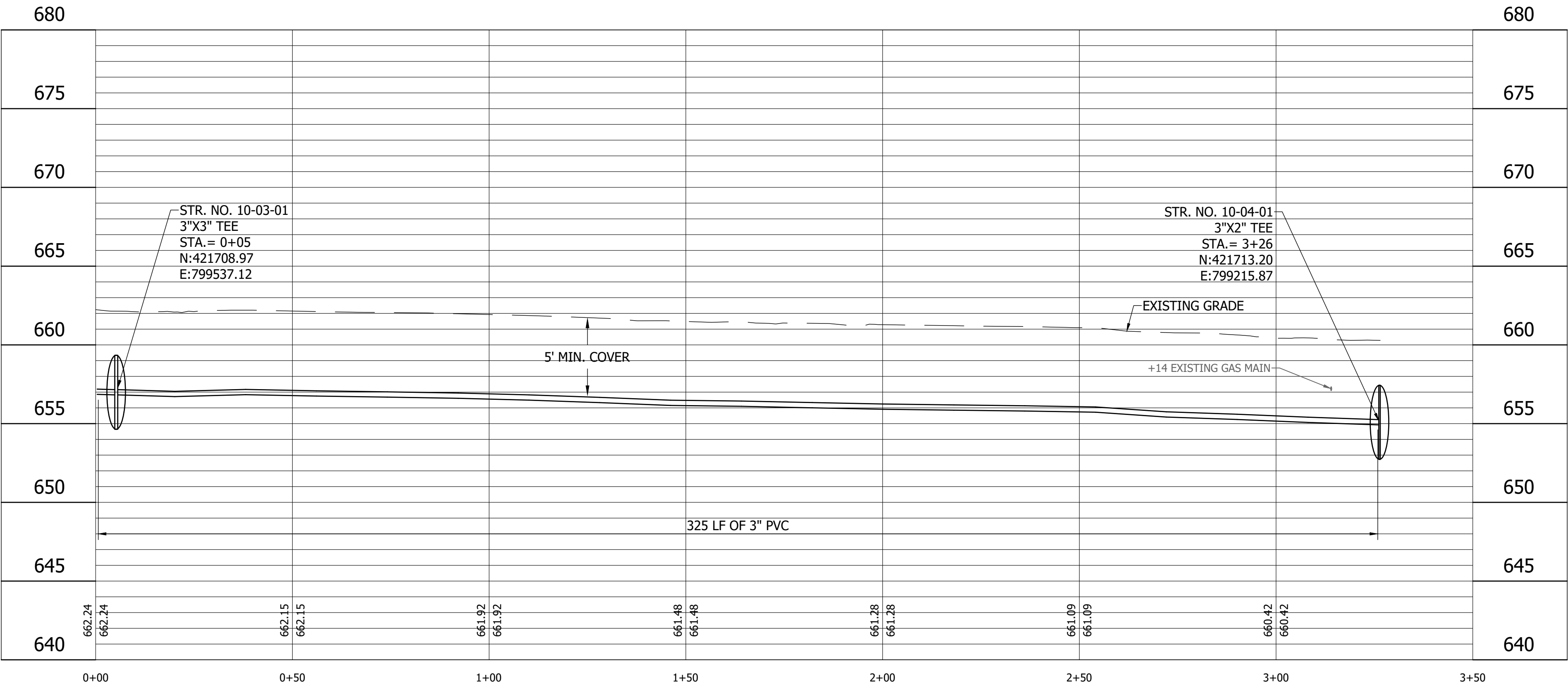
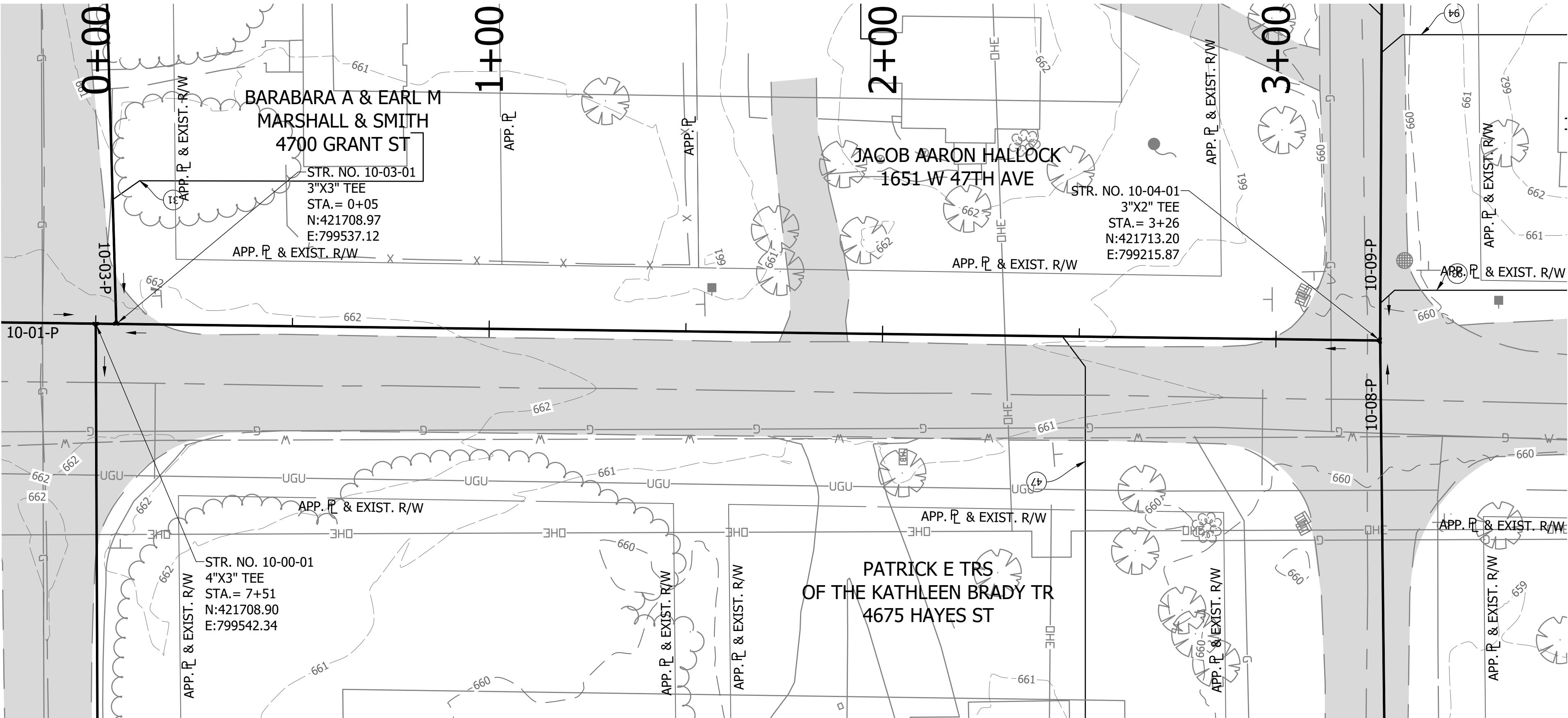
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-03-P PLAN AND PROFILE STA. 10+50 TO 12+50	

VS ENGINEERING	
Indiana 811 Know what's below. 811 before you dig.	
HORIZONTAL SCALE 1" = 20'	SHEETS 20 of 40
VERTICAL SCALE 1" = 5'	PROJECT 2205032

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:41pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
		DATE	
DESIGNED: JJH		DRAWN: LMY/NDS	
CHECKED: SJW		CHECKED: JJH	

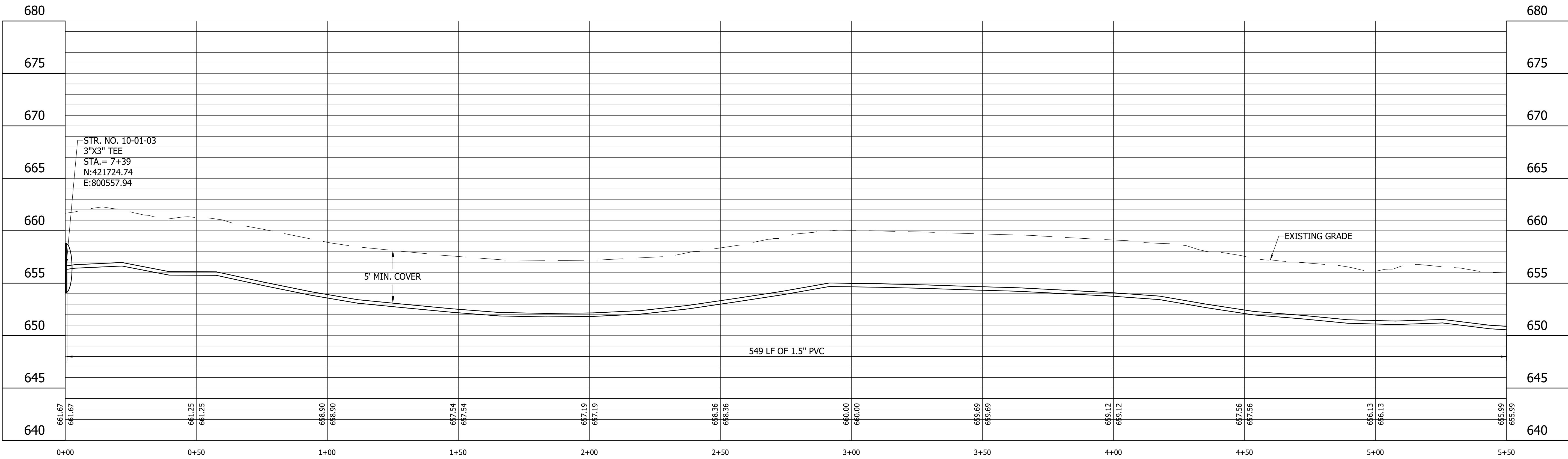
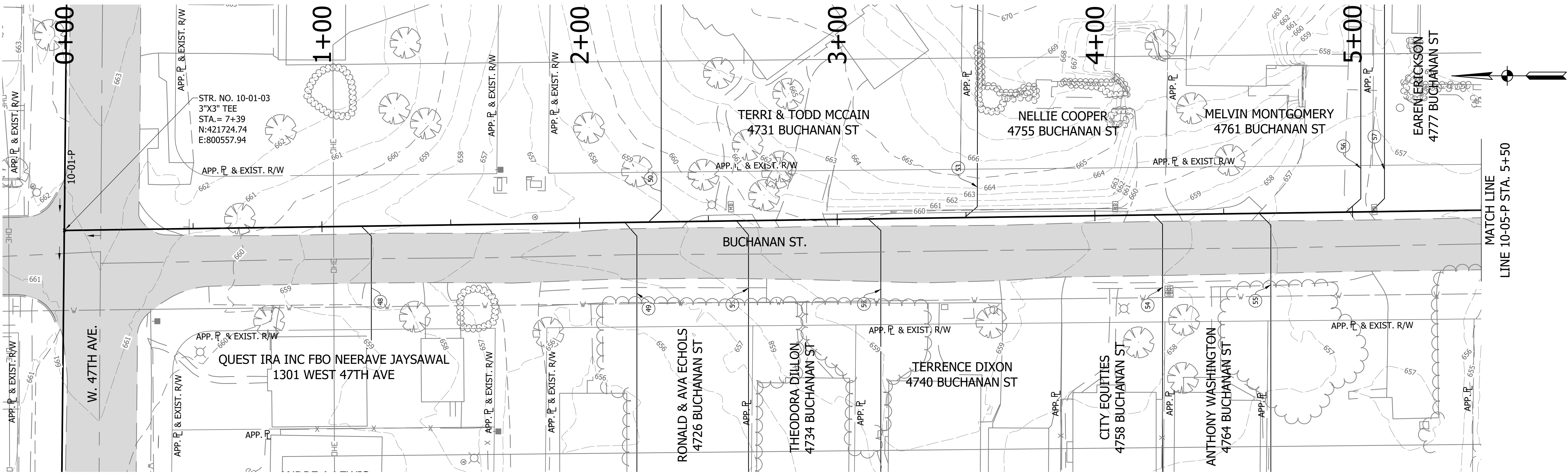
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-04-P PLAN AND PROFILE
STA. 0+00 TO 3+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	21	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOT BY:JMowery
DATE:Nov 04,2022 - 5:41pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



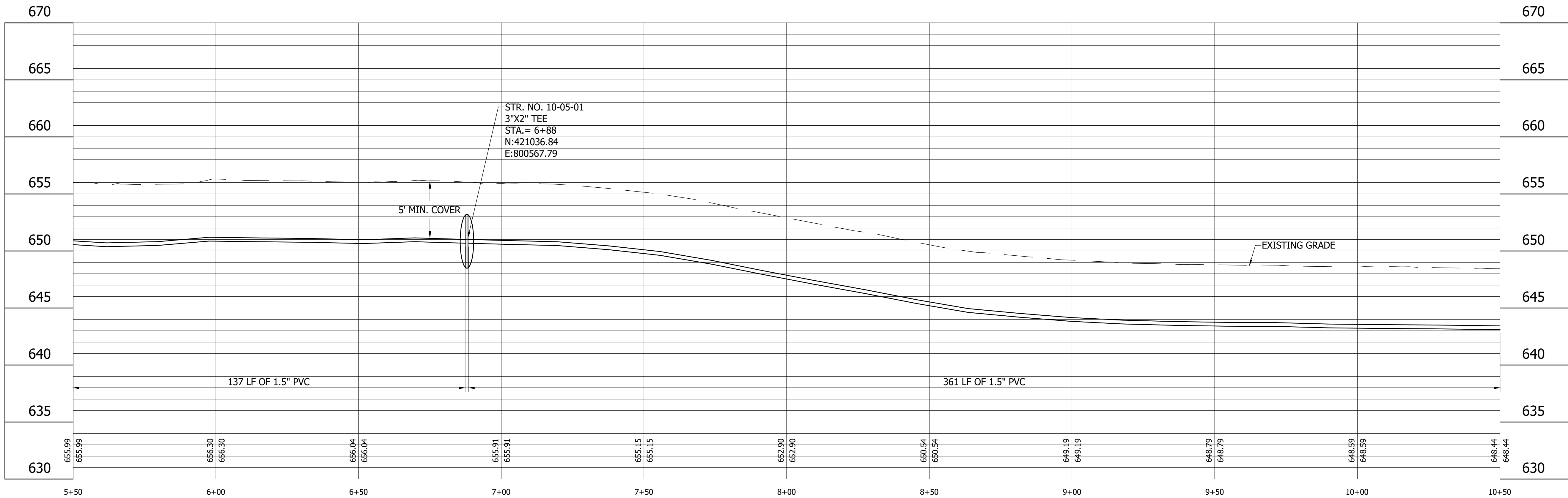
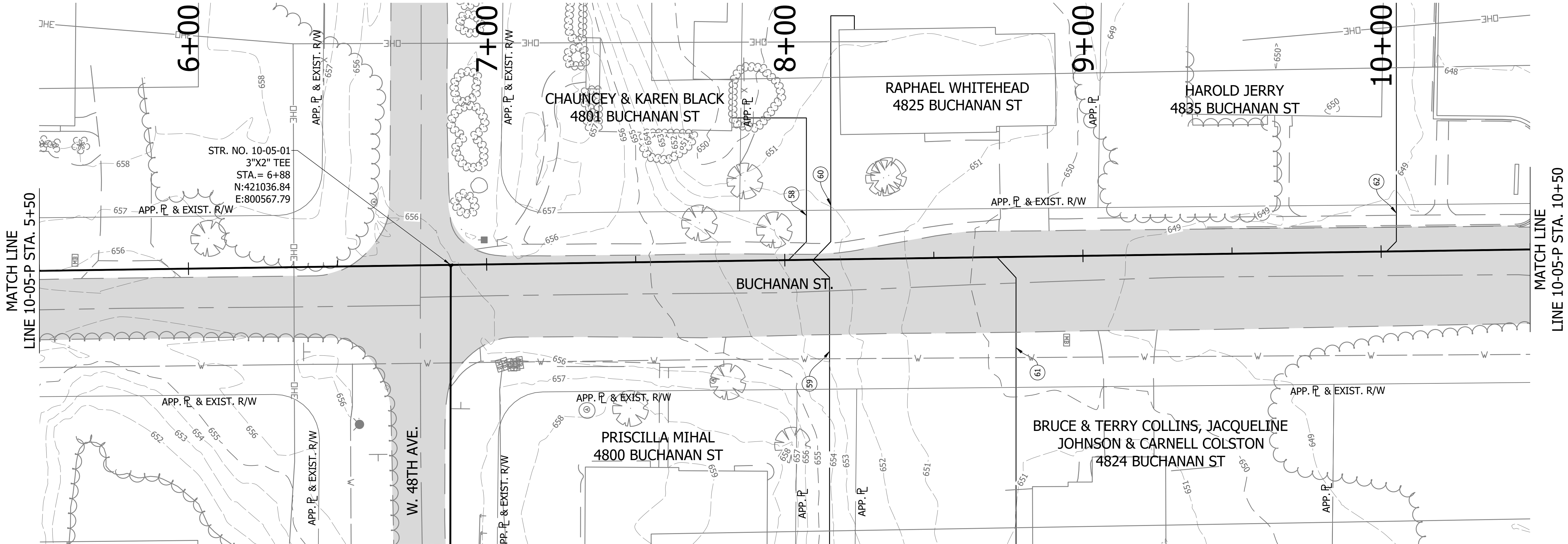
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
	JJH	09/14/2022
DESIGNED:	JJH	DRAWN: LMY/NDS
CHECKED:	SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-05-P PLAN AND PROFILE STA. 0+00 TO 5+50	

VS ENGINEERING		Indiana 811	
HORIZONTAL SCALE 1" = 20'		SHEETS 22 of 40	
VERTICAL SCALE 1" = 5'		PROJECT 2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:42pm



- LEGEND**
- | | | | |
|------|-----------------------|------|----------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| | | (T) | Remove Tree or Shrub |
| | | (WS) | Detectable Warning Surface |



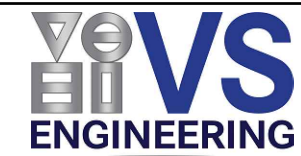
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE
09/14/2022

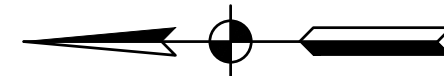
DESIGNED: JJH
CHECKED: SJW
DRAWN: LMY/NDS
CHECKED: JJH

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-05-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE	SHEETS
1" = 20'	23 of 40
VERTICAL SCALE	PROJECT
1" = 5'	2205032



- SH Stone Shoulder
- K Concrete Sidewalk
- S Remove and Reseal

- ☐ M Remove and Reset Mailbox
- ☐ P Pedestrian Crossing Sign
- ☐ R Concrete Curb Ramp
- ☐ T Remove Tree or Shrub
- ☒ WS Detectable Warning Surface



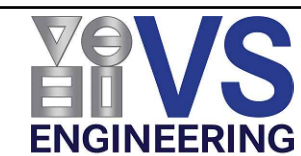
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	09/14/2022
DESIGN ENGINEER	DATE

DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

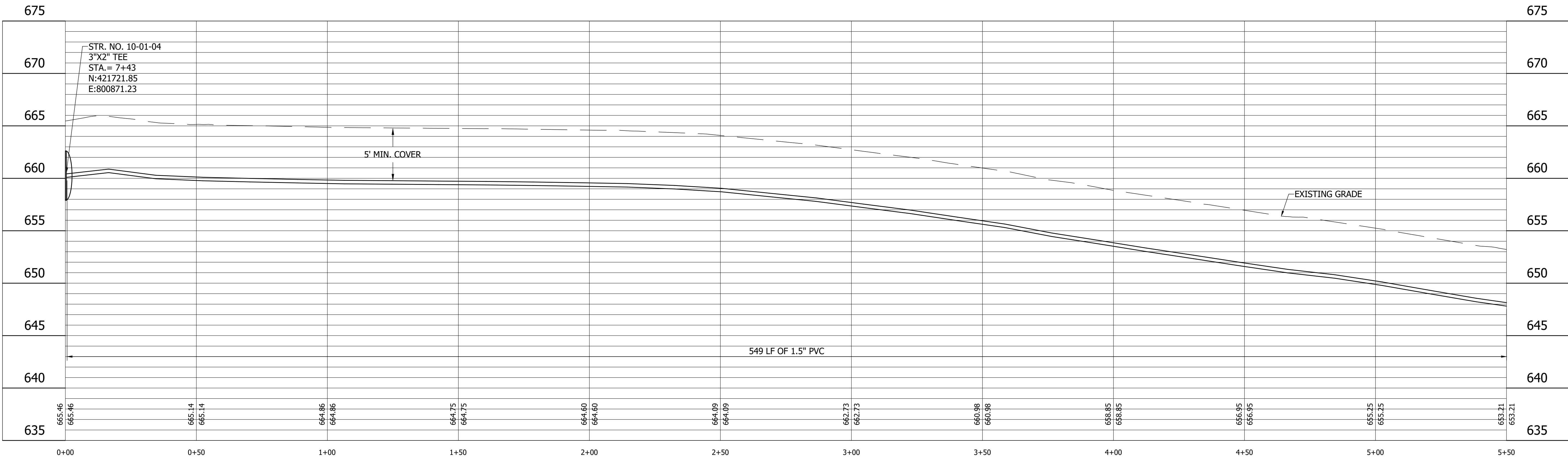
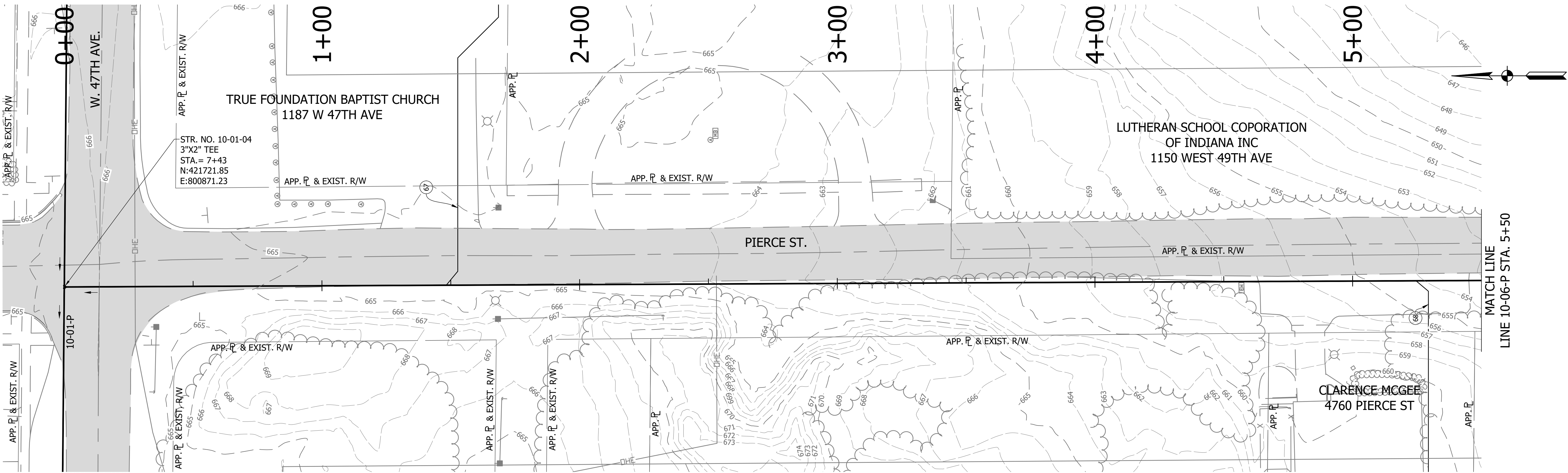
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-05-P PLAN AND PROFILE
STA. 10+50 TO 12+50



HORIZONTAL SCALE	SHEETS		
1" = 20'	24	of	40
VERTICAL SCALE	PROJECT		
1" = 5'	2205032		

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage \130 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:43pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



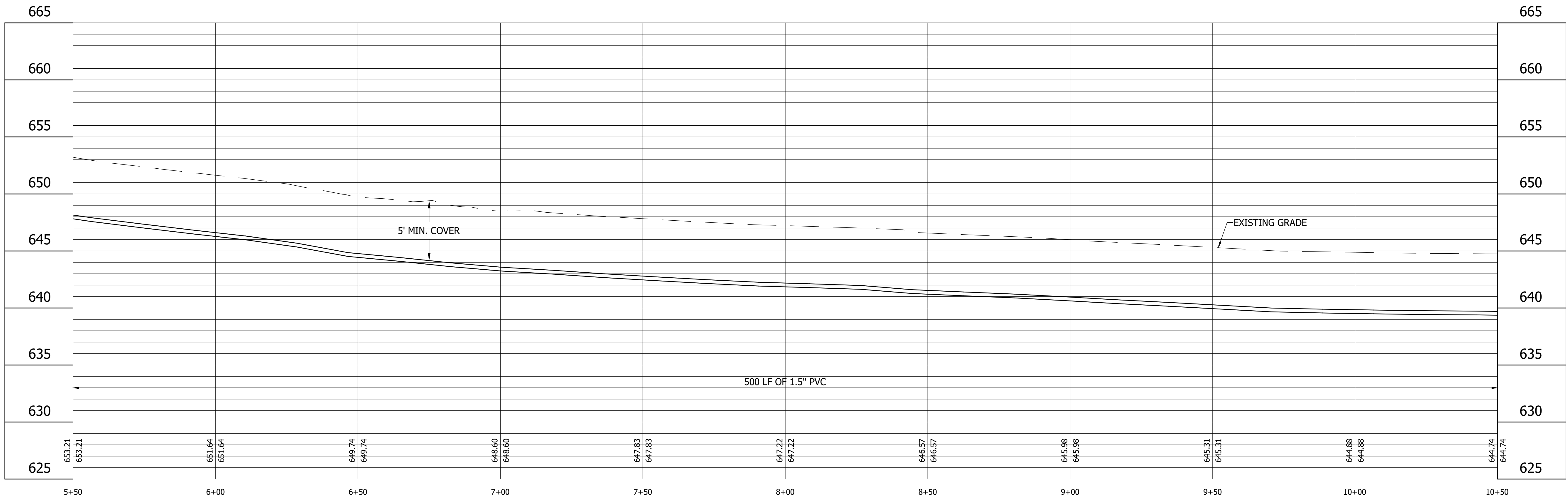
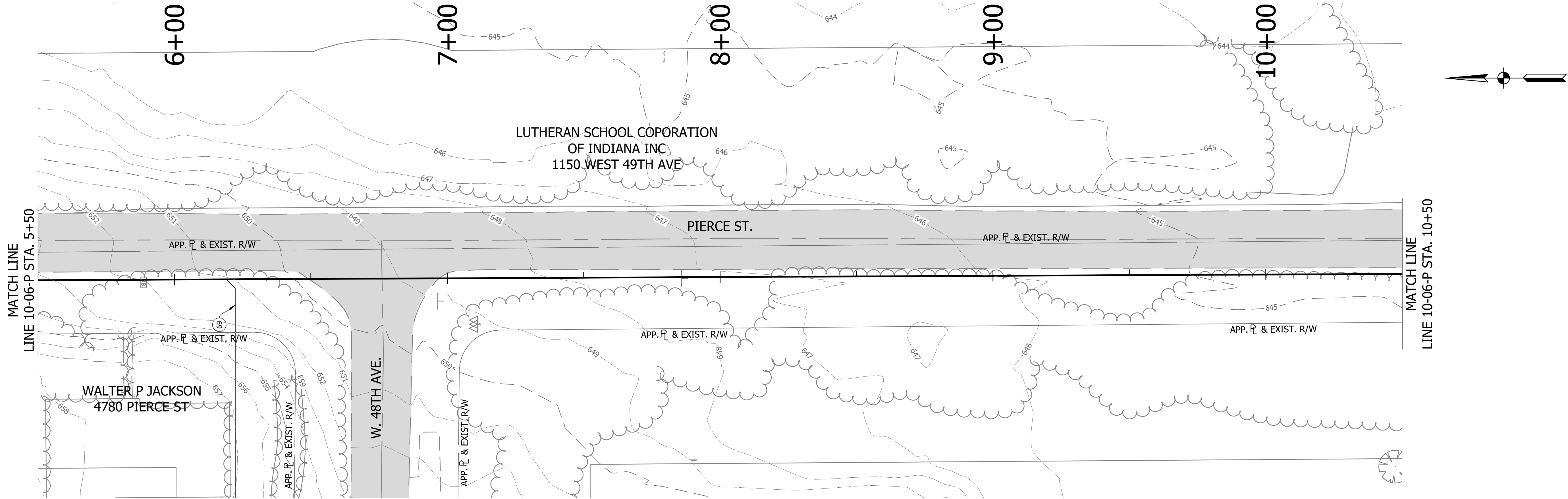
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
	JJH	09/14/2022
DESIGNED:	JJH	DRAWN: LMY/NDS
CHECKED:	SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-06-P PLAN AND PROFILE STA. 0+00 TO 5+00	

VS ENGINEERING		SHEETS	
HORIZONTAL SCALE		25	of 40
VERTICAL SCALE		PROJECT	
1" = 5'		2205032	

DIRECTORY :C:\Project\wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:43pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



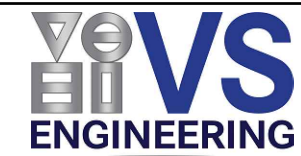
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE

DESIGNED: JJH
CHECKED: SJW
DRAWN: LMY/NDS
CHECKED: JJH

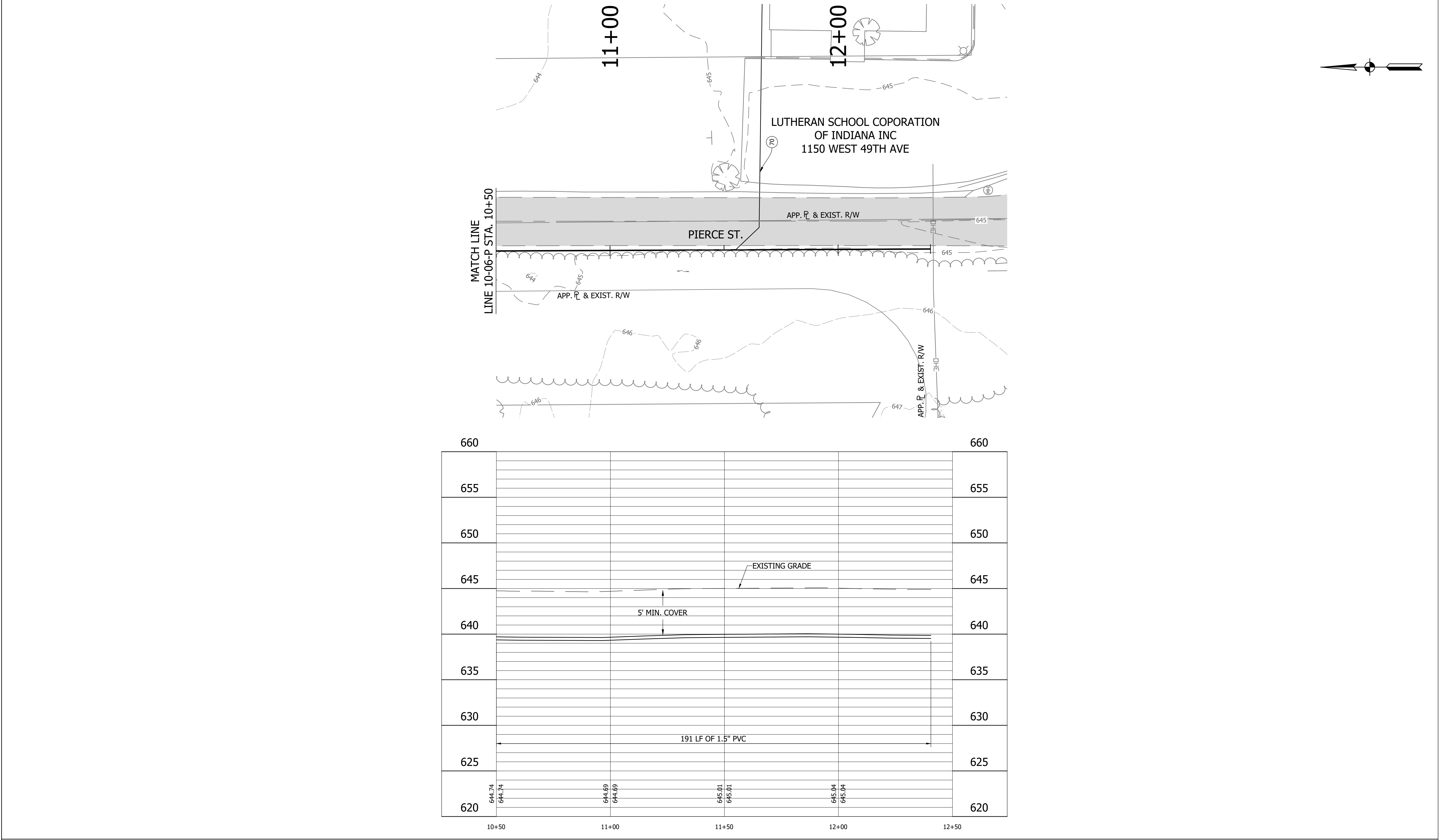
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-06-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE	SHEETS	
1" = 20'	26	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE :Nov 04,2022 - 5:44pm



LEGEND

(SH) Stone Shoulder	(M) Remove and Reset Mailbox
(K) Concrete Sidewalk	(P) Pedestrian Crossing Sign
(S) Remove and Reset Sign	(R) Concrete Curb Ramp
	(T) Remove Tree or Shrub
	(WS) Detectable Warning Surface

Calumet Township **STEP**

Lake County

INDIANA

25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	09/14/2022
DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

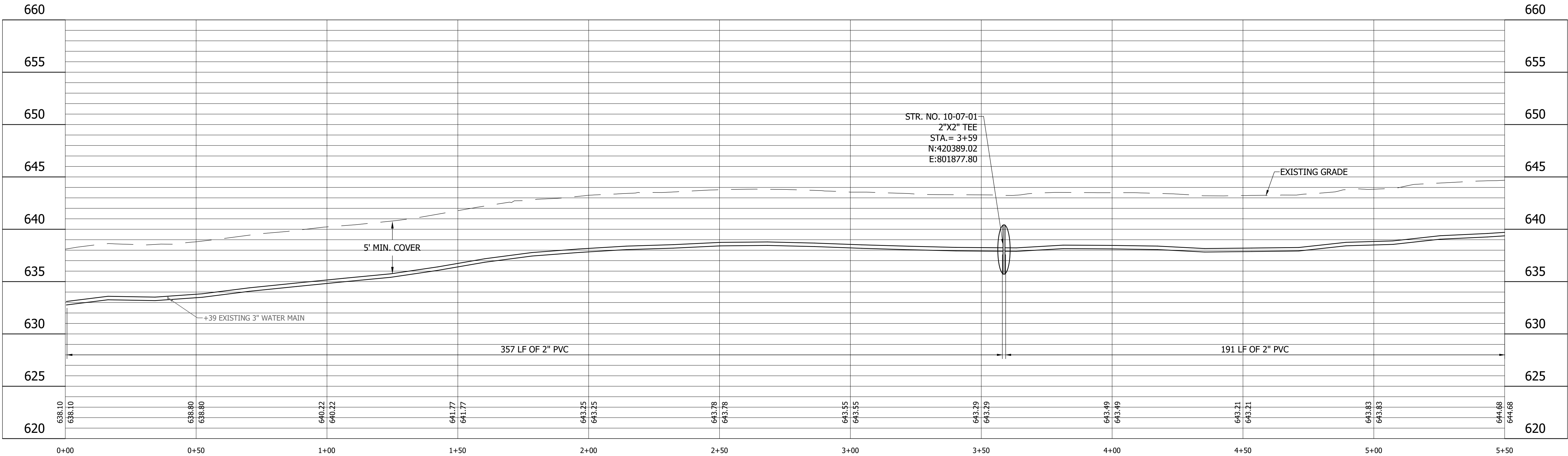
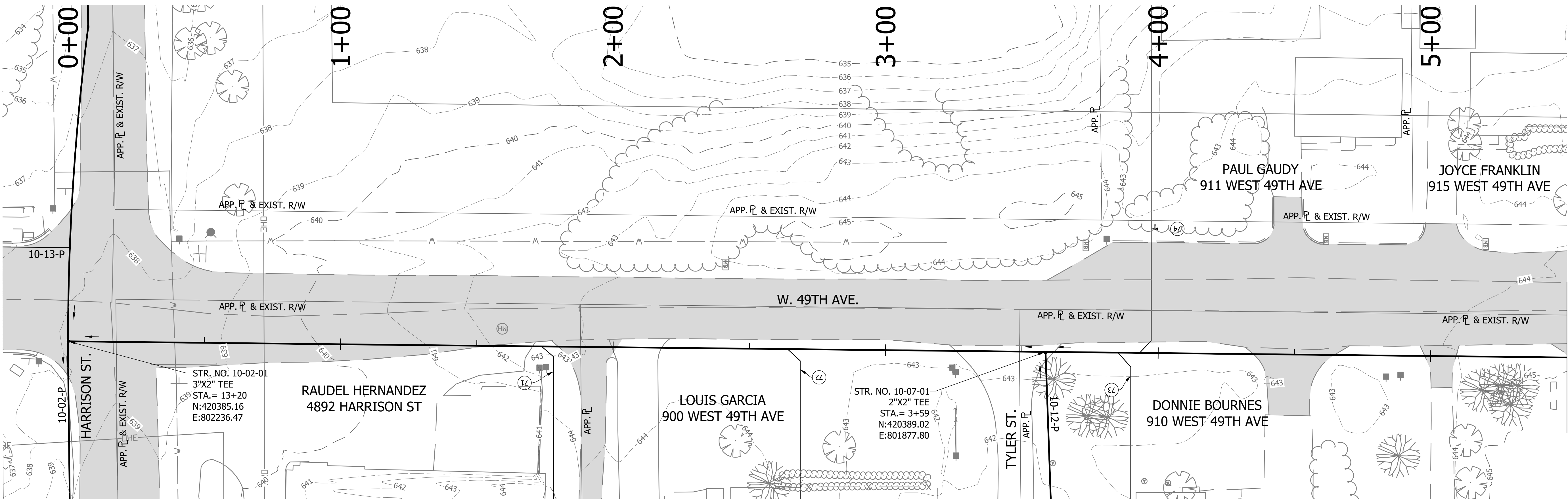
10-06-P PLAN AND PROFILE
STA. 10+50 TO 12+50

HORIZONTAL SCALE	SHEETS	
1" = 20'	27	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

VS
ENGINEERING

Indiana
Know where you dig.
Call before you dig.

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:44pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface



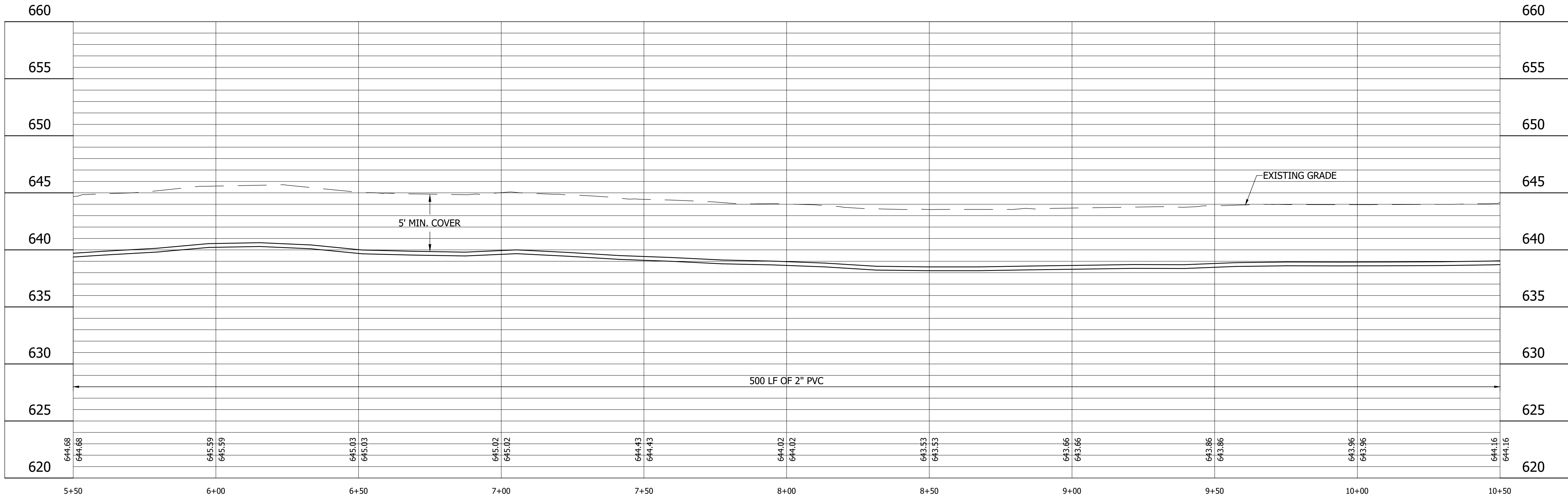
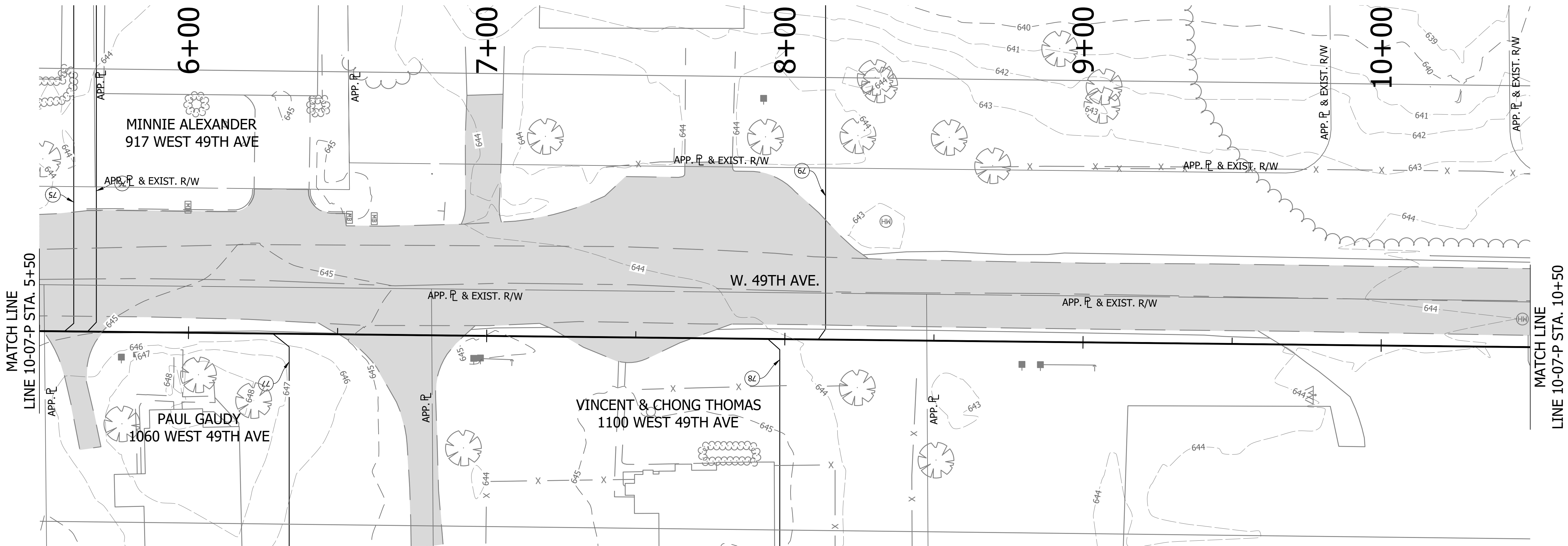
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
	JJH	09/14/2022
DESIGNED:	JJH	DRAWN: LMY/NDS
CHECKED:	SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA
10-07-P PLAN AND PROFILE STA. 0+00 TO 5+50

VS ENGINEERING	INDIANA Know what's below. B1 before you dig.
HORIZONTAL SCALE 1" = 20'	SHEETS 28 of 40
VERTICAL SCALE 1" = 5'	PROJECT 2205032

DIRECTORY :C:\Project\wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage \130 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:45pm



LEGEND

- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL
DESIGN ENGINEER
DATE
09/14/2022

DESIGNED: JJH
DRAWN: LMY/NDS
CHECKED: SJW
CHECKED: JJH

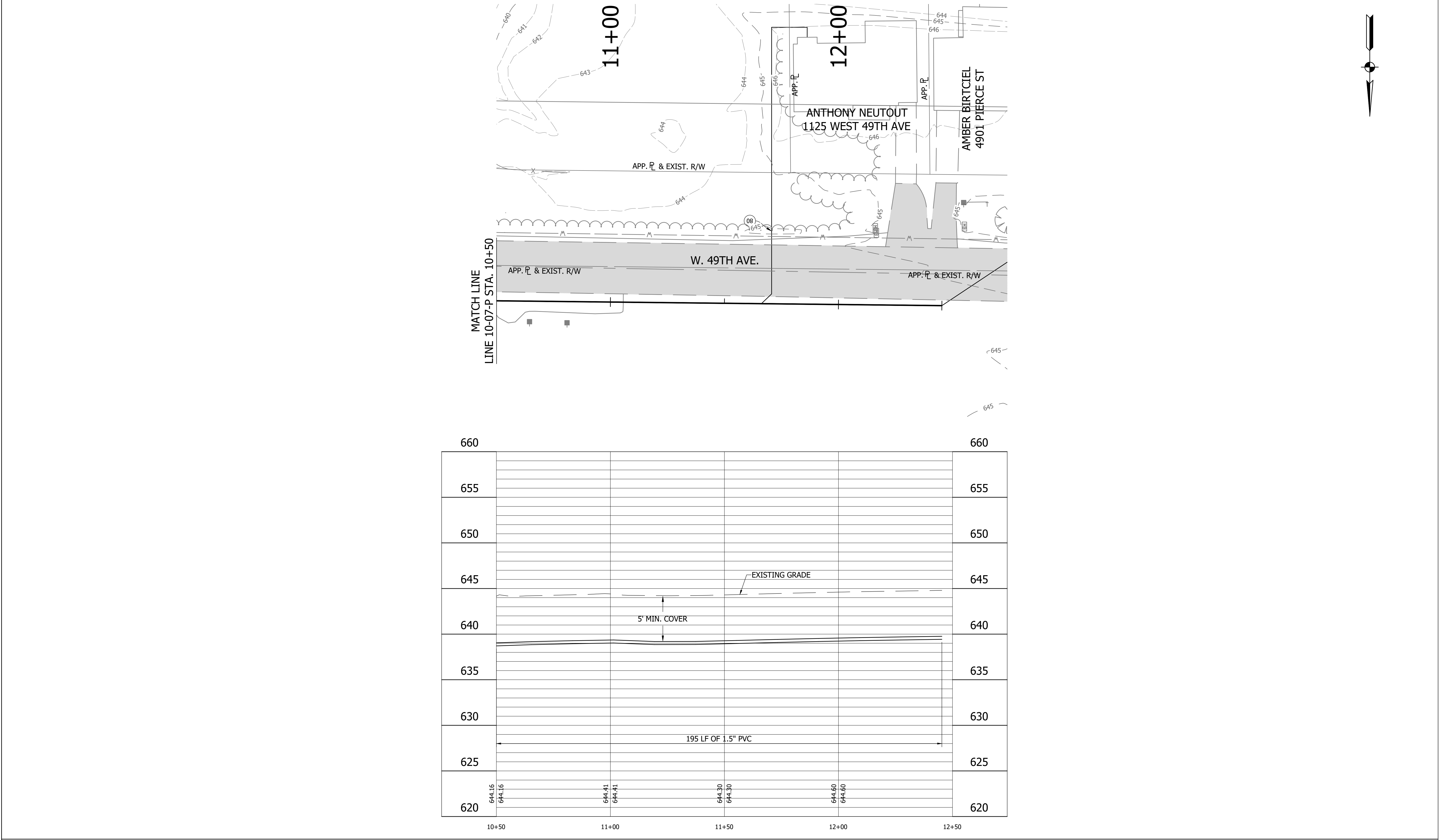
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-07-P PLAN AND PROFILE
STA. 5+50 TO 10+50



HORIZONTAL SCALE	SHEETS
1" = 20'	29 of 40
VERTICAL SCALE	PROJECT
1" = 5'	2205032

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 04.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE :Nov 04,2022 - 5:46pm



LEGEND

(SH) Stone Shoulder	(M) Remove and Reset Mailbox
(K) Concrete Sidewalk	(P) Pedestrian Crossing Sign
(S) Remove and Reset Sign	(R) Concrete Curb Ramp
	(T) Remove Tree or Shrub
	(WS) Detectable Warning Surface

Calumet Township **STEP**
Lake County
INDIANA

25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	09/14/2022
DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

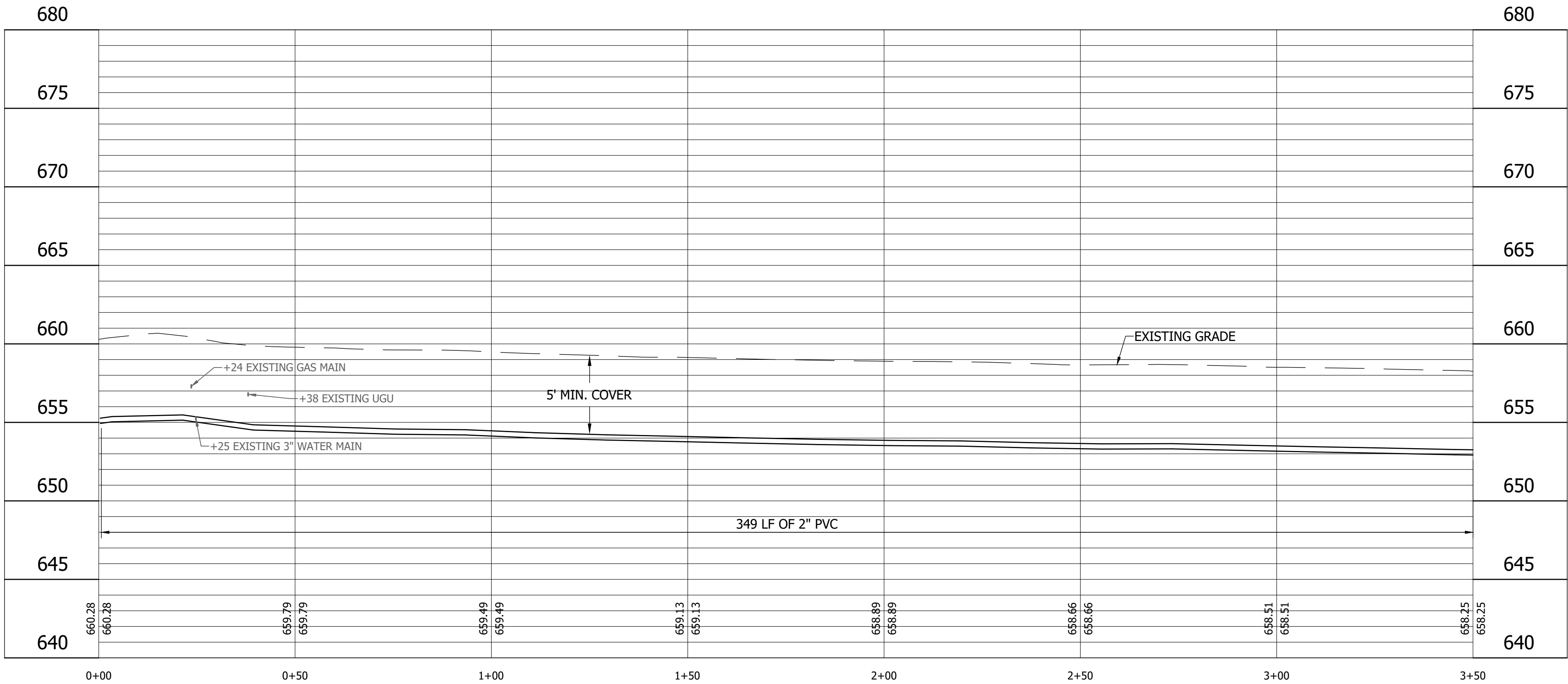
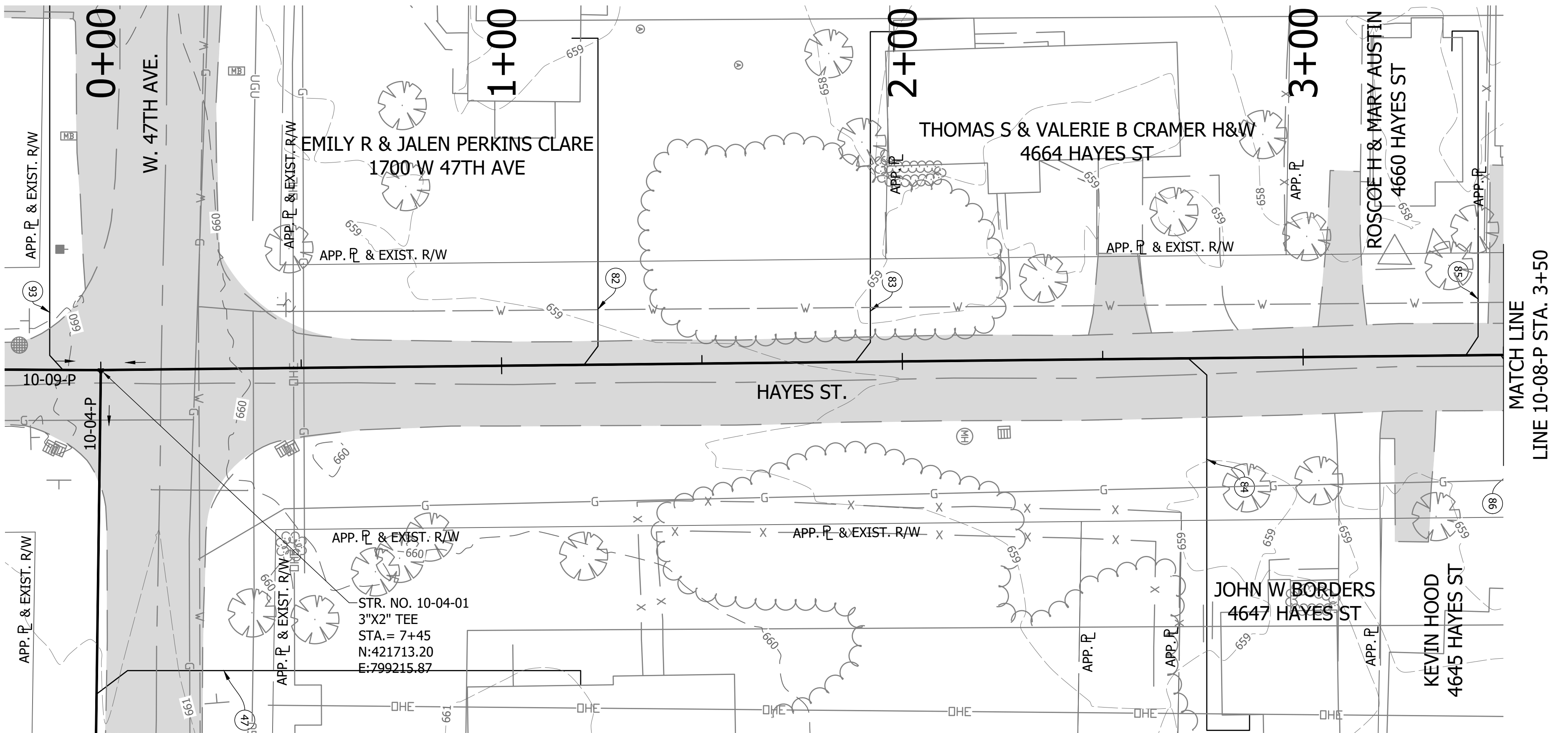
10-07-P PLAN AND PROFILE
STA. 10+50 TO 12+50

HORIZONTAL SCALE	SHEETS	
1" = 20'	30	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	

VS ENGINEERING

Indiana
Know where you dig.
Call before you dig.

DIRECTORY :C:\Project\Wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 05.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:J.Mowery
DATE:Nov 04,2022 - 5:47pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-08-P PLAN AND PROFILE
STA. 0+00 TO 3+50

VS ENGINEERING			
HORIZONTAL SCALE		SHEETS	
1" = 20'		31	of 40
VERTICAL SCALE		PROJECT	
1" = 5'		2205032	

DIRECTORY :C:\Project\Wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 Const\Package 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 05.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:47pm

- LEGEND
- SH

Stone Shoulder

K

Concrete Sidewalk

S

Remove and Reset Sign

M

Remove and Reset Mailbox

P

Pedestrian Crossing Sign

R

Concrete Curb Ramp

T

Remove Tree or Shrub

WS

Detectable Warning Surface



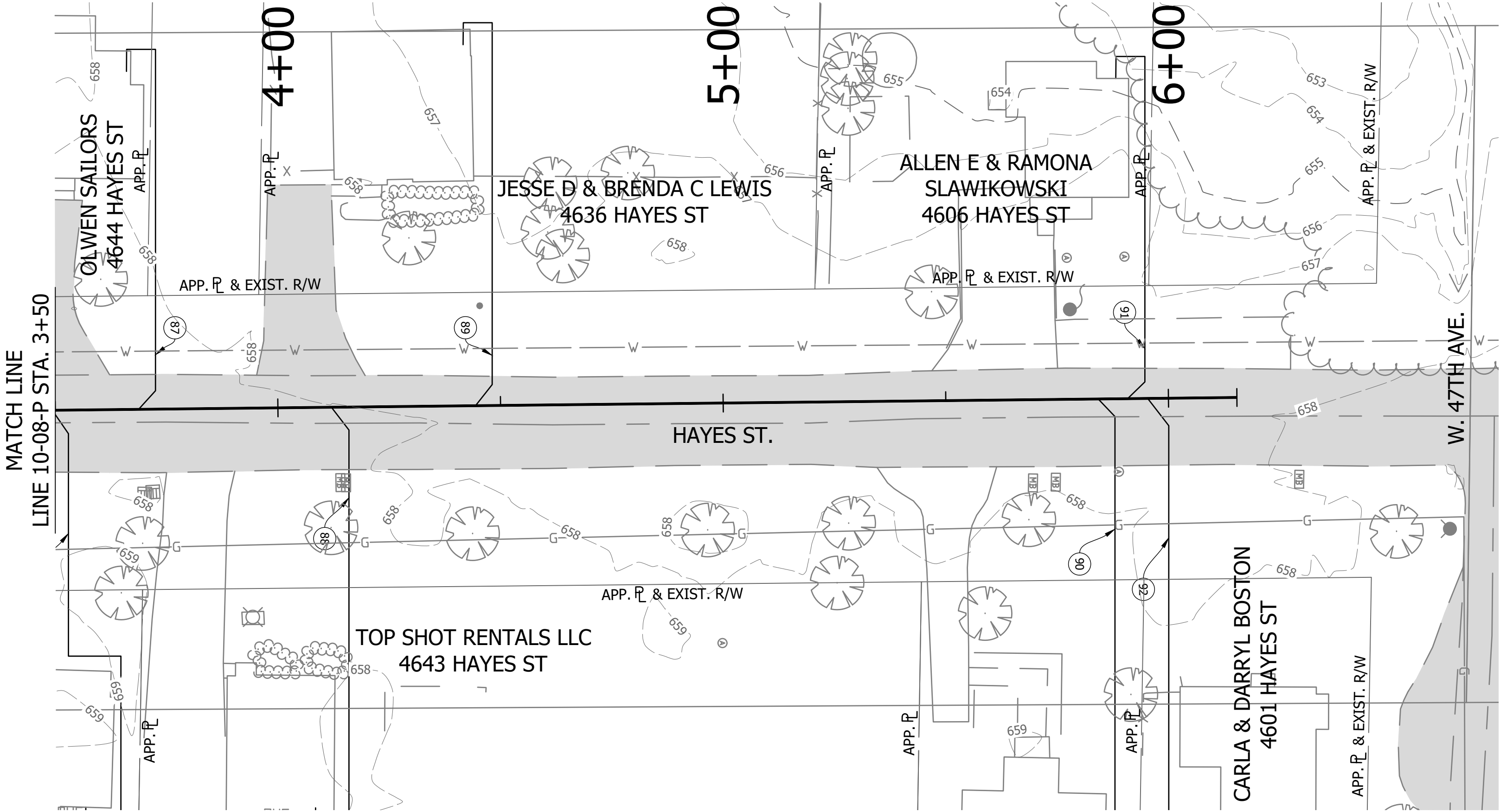
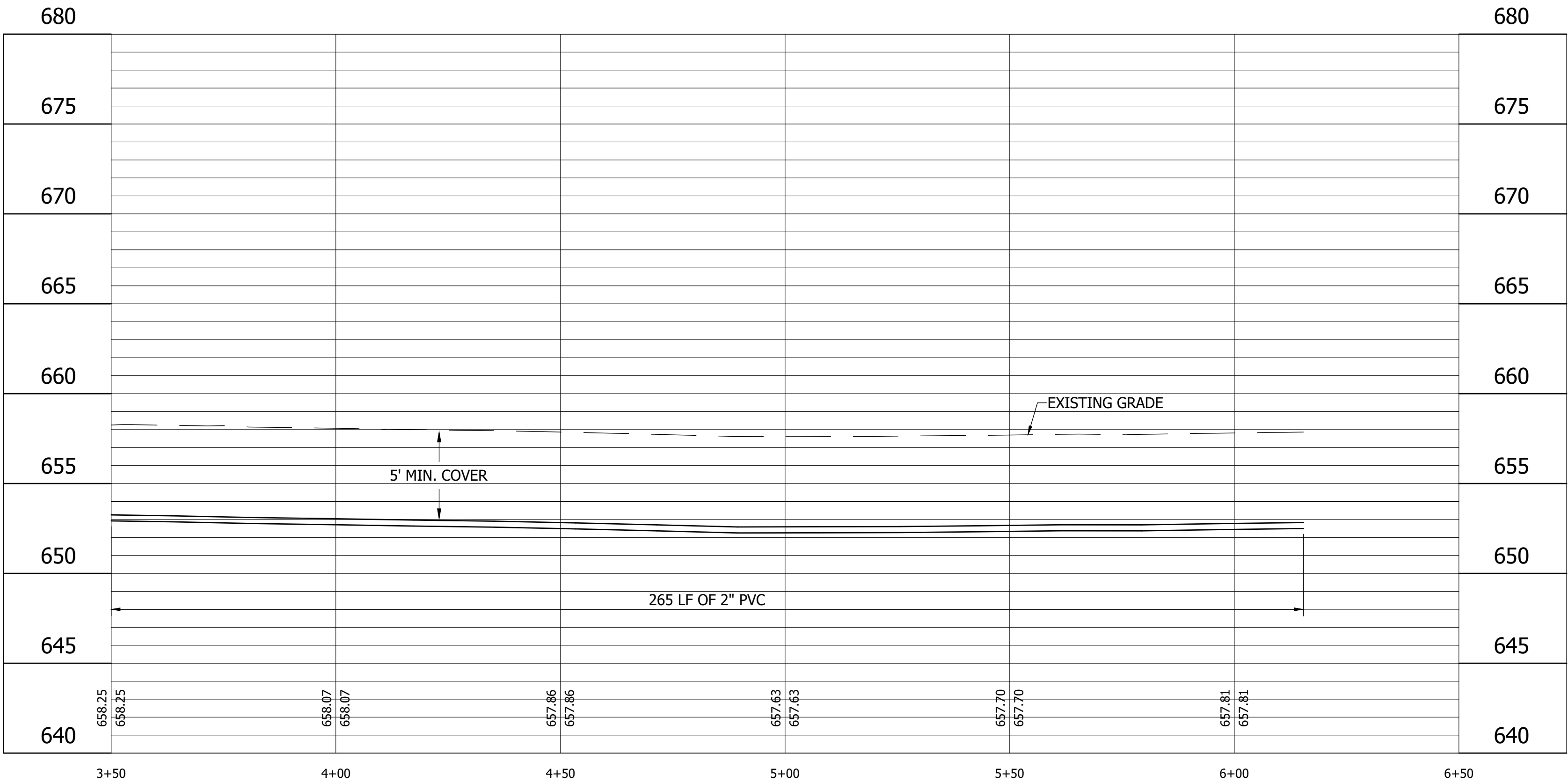
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ 09/14/2022	
DESIGN ENGINEER DATE	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

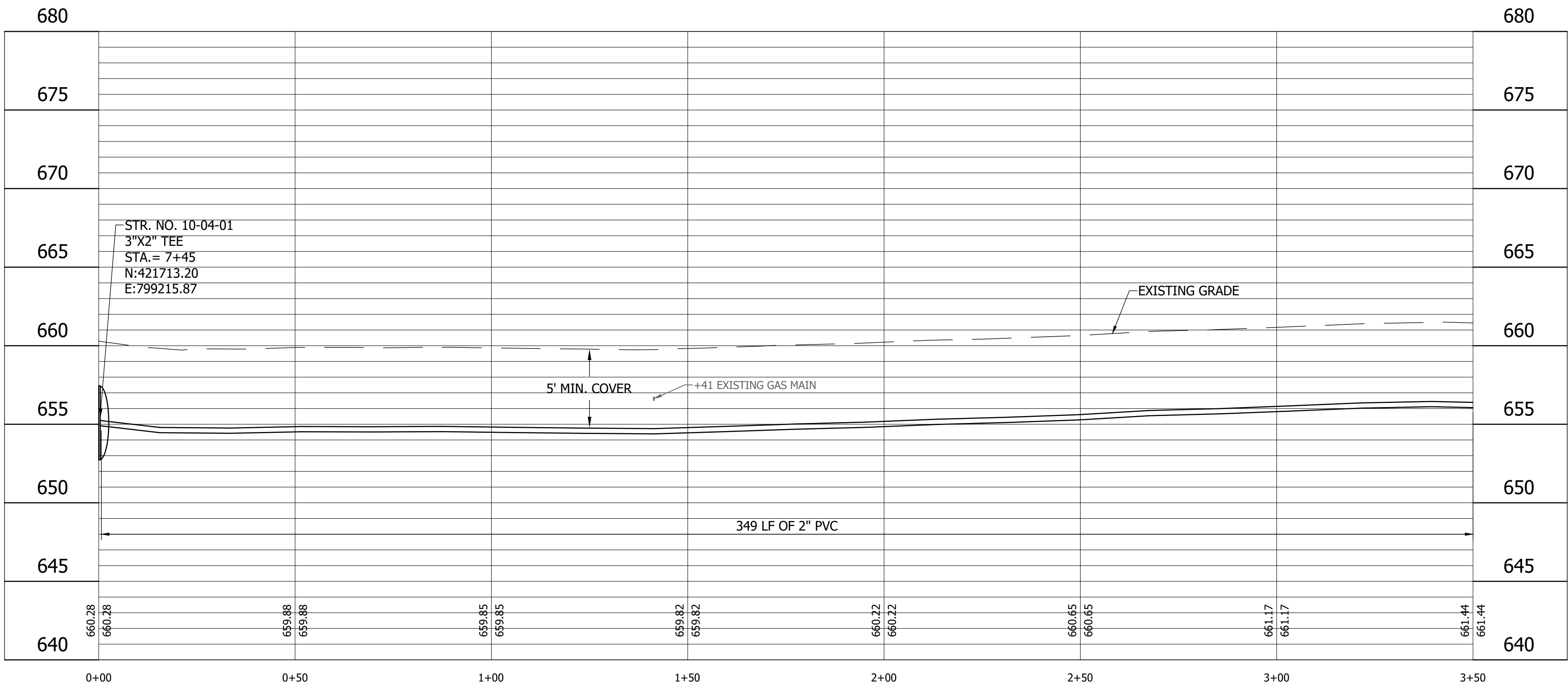
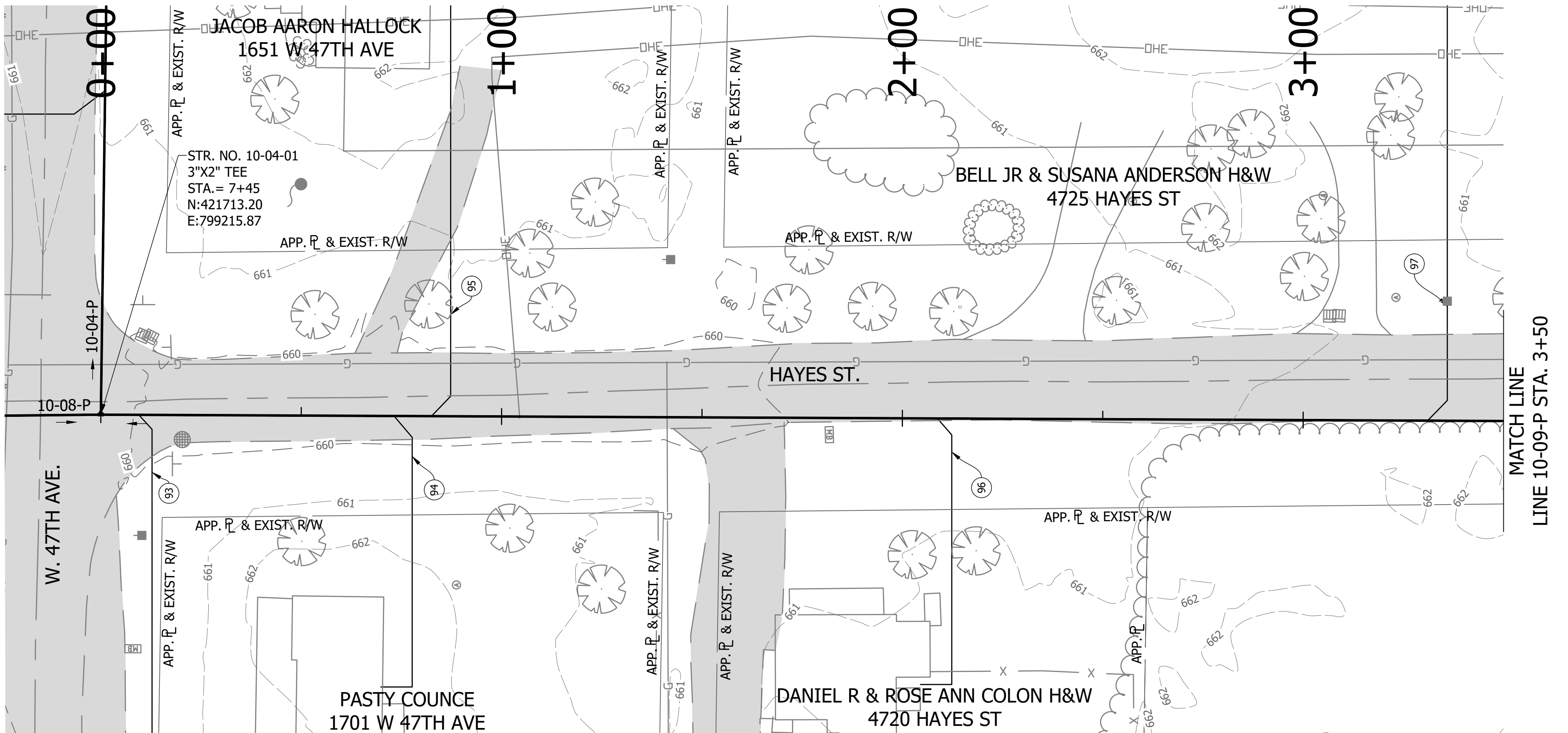
CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-08-P PLAN AND PROFILE
STA. 3+50 TO 6+50

VS ENGINEERING		 Indiana 811 Know what's below. ® Before you dig.	
HORIZONTAL SCALE	1" = 20'	SHEETS	
VERTICAL SCALE	1" = 5'	32 of	40
		PROJECT	
		2205032	



DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\FILE :2205032-Basin 10-PP 06.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:48pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



23% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-09-P PLAN AND PROFILE
STA. 0+00 TO 3+50

			
HORIZONTAL SCALE		SHEETS	
1" = 20'	33	of	40
VERTICAL SCALE		PROJECT	
1" = 5'	2205032		



25% DESIGN
NOT FOR
CONSTRUCTION

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-09-P PLAN AND PROFILE
STA. 3+50 TO 6+00



VEI VS
ENGINEERING

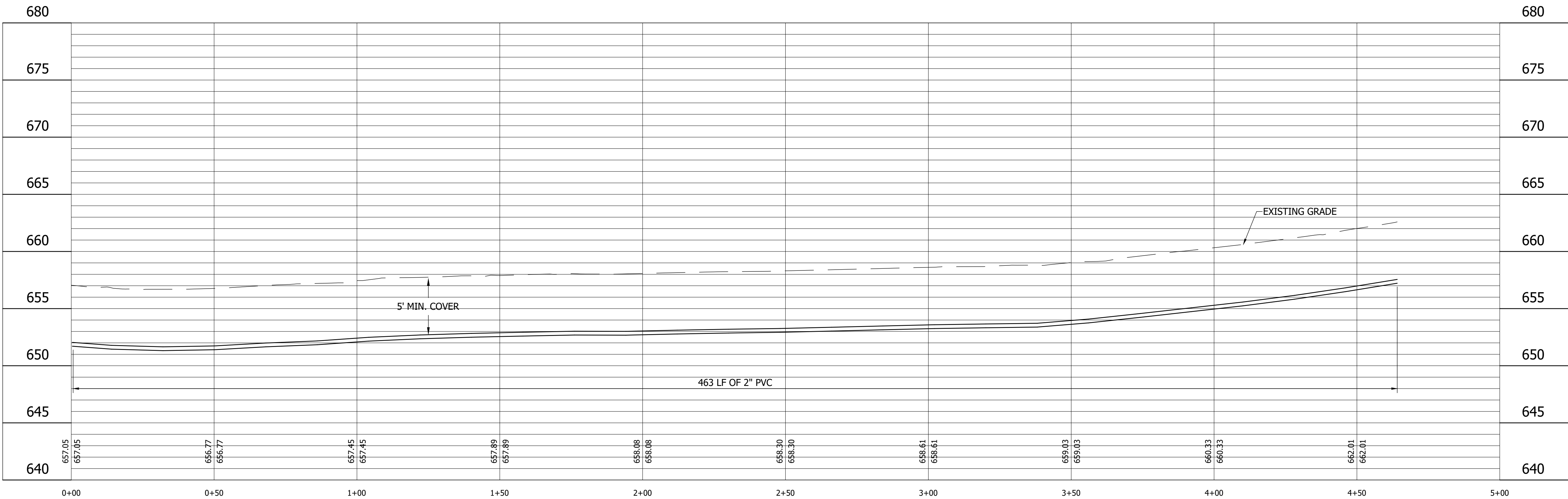
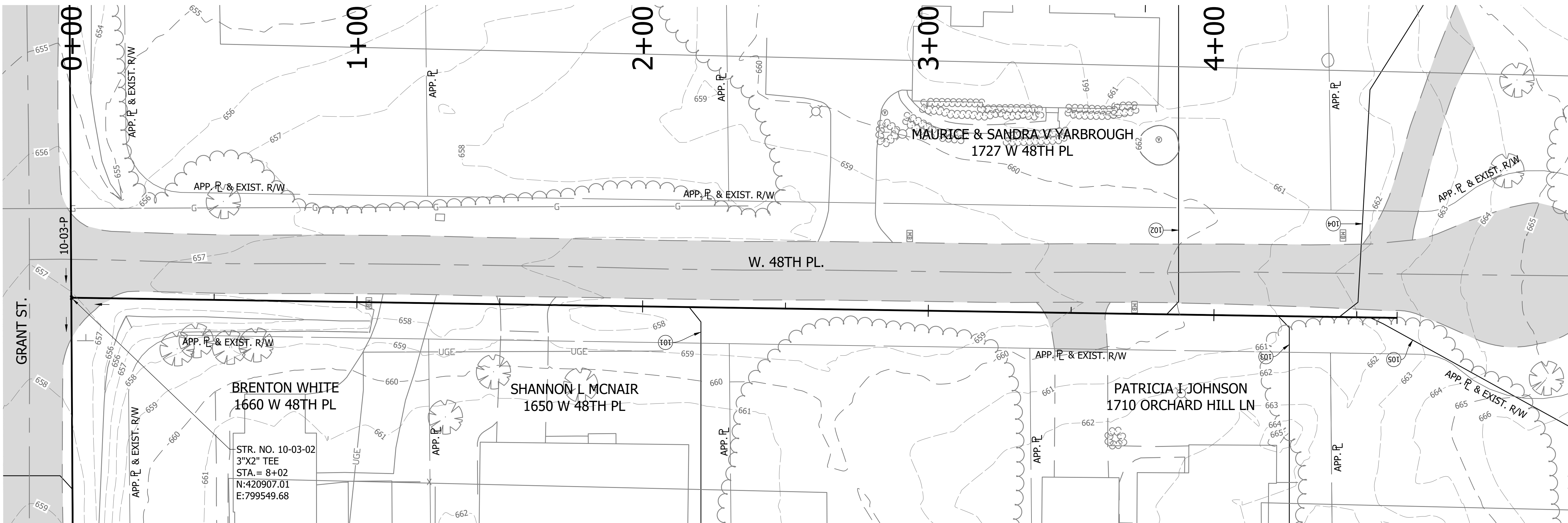


Indiana 811
Know where you dig.
811 before you dig.

HORIZONTAL SCALE	SHEETS		
1" = 20'	34	of	40
VERTICAL SCALE	PROJECT		
1" = 5'	2205032		

<u>LEGEND</u>	
	(M) Remove and Reset Mailbox
	(P) Pedestrian Crossing Sign
(SH) Stone Shoulder	(R) Concrete Curb Ramp
(K) Concrete Sidewalk	(T) Remove Tree or Shrub
(S) Remove and Reset Sign	(WS) Detectable Warning Surface

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 06.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:49pm



- LEGEND**
- | | | | |
|------|----------------------------|-----|--------------------------|
| (SH) | Stone Shoulder | (M) | Remove and Reset Mailbox |
| (K) | Concrete Sidewalk | (P) | Pedestrian Crossing Sign |
| (S) | Remove and Reset Sign | (R) | Concrete Curb Ramp |
| (WS) | Detectable Warning Surface | (T) | Remove Tree or Shrub |



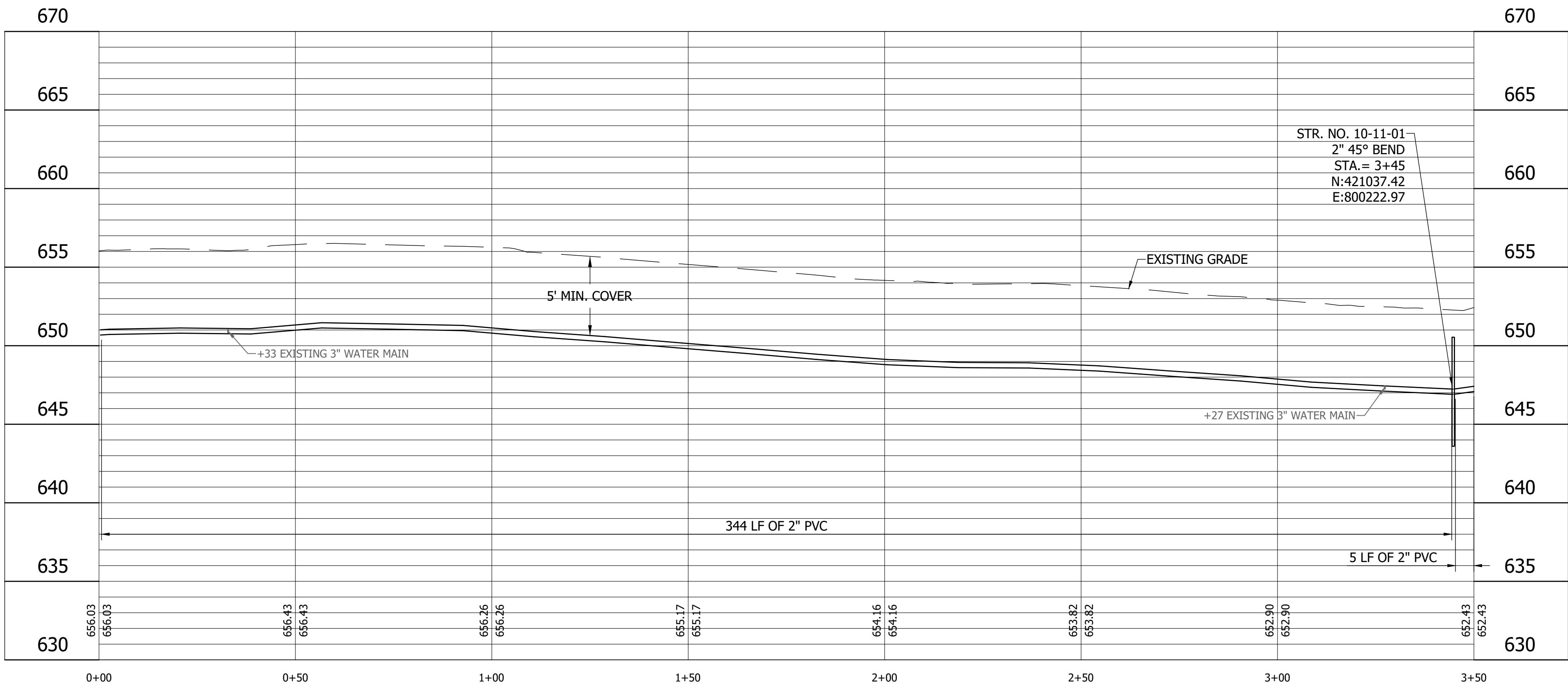
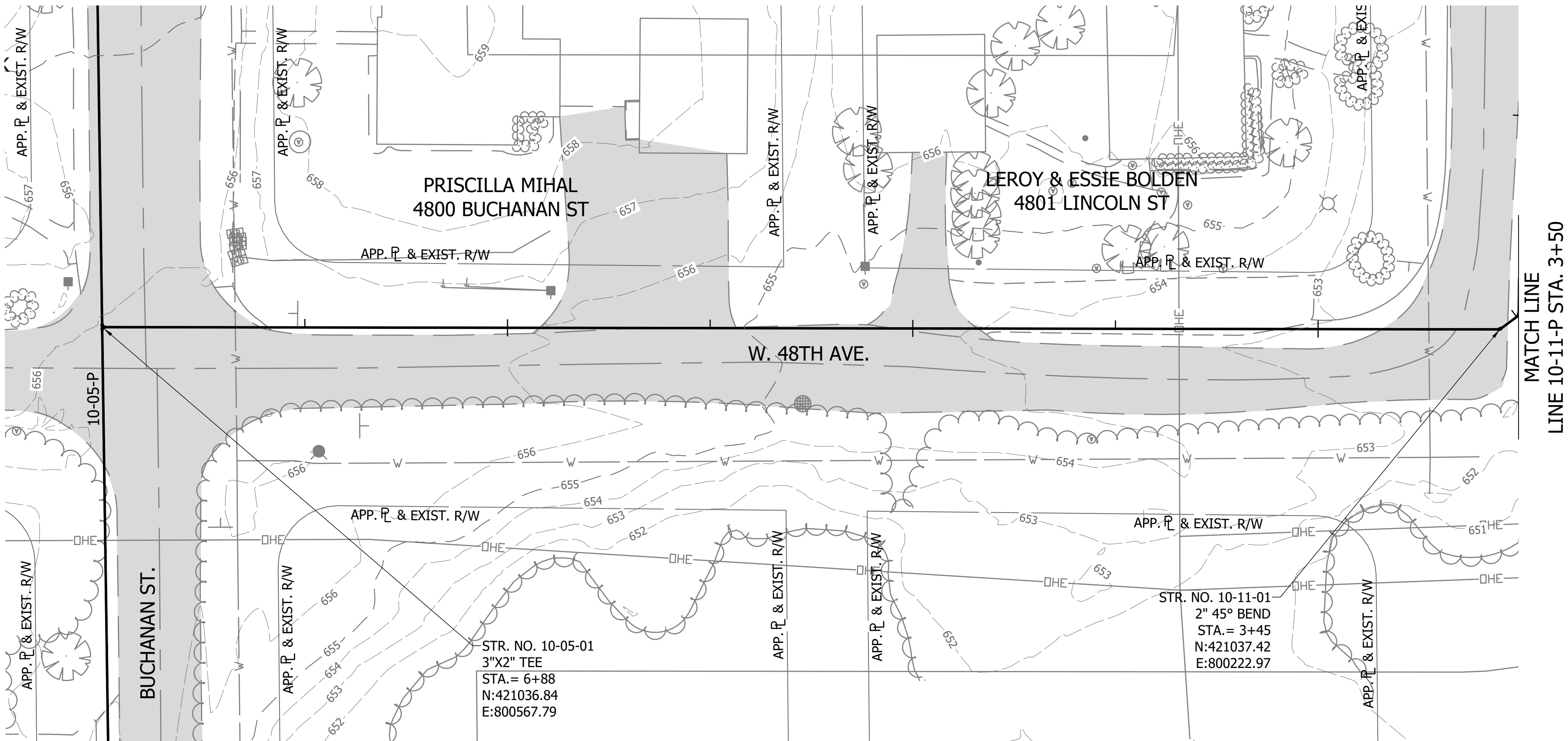
25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ 09/14/2022	
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10 LAKE COUNTY, INDIANA	
10-10-P PLAN AND PROFILE STA. 0+00 TO 5+00	

VS ENGINEERING			
HORIZONTAL SCALE 1" = 20'		SHEETS 35 of 40	
VERTICAL SCALE 1" = 5'		PROJECT 2205032	

DIRECTORY :C:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\
FILE :2205032-Basin 10-PP 06.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE:Nov 04,2022 - 5:50pm



- LEGEND**
- (SH) Stone Shoulder
 - (K) Concrete Sidewalk
 - (S) Remove and Reset Sign
 - (M) Remove and Reset Mailbox
 - (P) Pedestrian Crossing Sign
 - (R) Concrete Curb Ramp
 - (T) Remove Tree or Shrub
 - (WS) Detectable Warning Surface

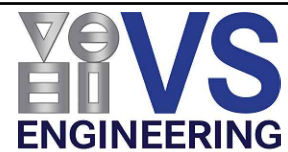


25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS	09/14/2022
CHECKED: SJW	CHECKED: JJH	

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-11-P PLAN AND PROFILE
STA. 0+00 TO 3+50



HORIZONTAL SCALE	SHEETS
1" = 20'	36 of 40
VERTICAL SCALE	PROJECT
1" = 5'	2205032

DIRECTORY :C:\Project\wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\04-Plan and Profiles\FILE.....2205032-Basin 10-PP 06.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:J.Mowery
DATE:.....Nov 04,2022 - 5:50pm

- LEGEND
- SH

Stone Shoulder

K

Concrete Sidewalk

S

Remove and Reset Sign

M

Remove and Reset Mailbox

P

Pedestrian Crossing Sign

R

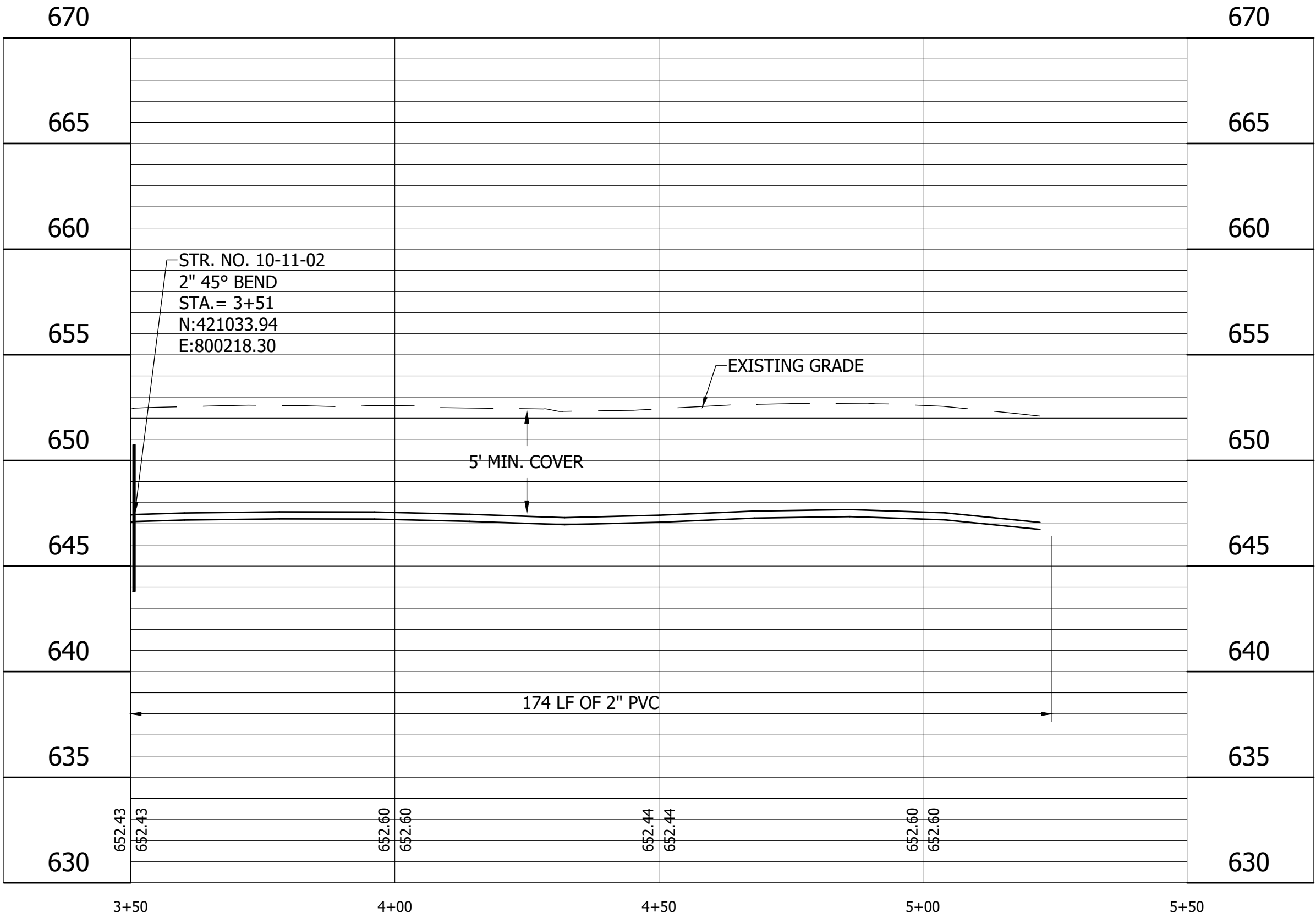
Concrete Curb Ramp

T

Remove Tree or Shrub

WS

Detectable Warning Surface



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL

DESIGN ENGINEER

DATE

09/14/2022

DESIGNED: JJH

DRAWN: LMY/NDS

CHECKED: SJW

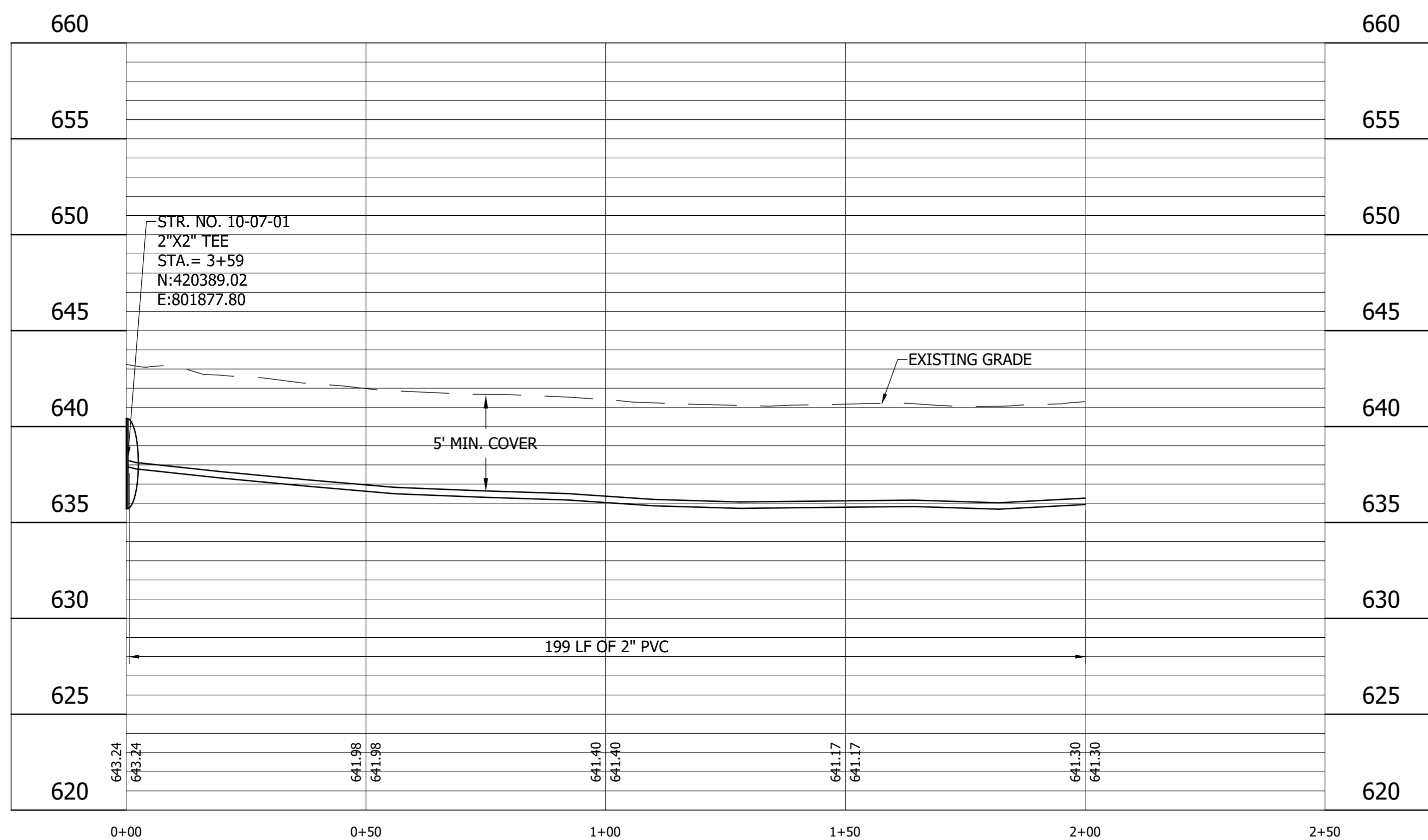
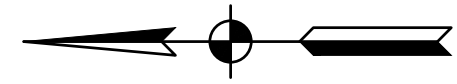
CHECKED: JJH

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

10-11-P PLAN AND PROFILE
STA. 3+50 TO 5+50

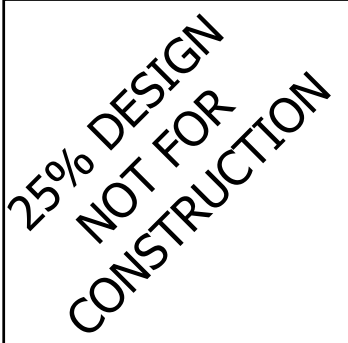


HORIZONTAL SCALE	SHEETS	
1" = 20'	37	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	



- SH Stone Shoulder
- K Concrete Sidewalk
- S Remove and Reset Sign

- ☐ M Remove and Reset Mailbox
- ☐ P Pedestrian Crossing Sign
- ☐ R Concrete Curb Ramp
- ☐ T Remove Tree or Shrub
- ☒ WS Detectable Warning Surface



DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

10-12-P PLAN AND PROFILE
STA. 0+00 TO 2+50



HORIZONTAL SCALE	SHEETS		
1" = 20'	38	of	40
VERTICAL SCALE	PROJECT		
1" = 5'	2205032		

DIRECTORYC:\ProjectWise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage_1\30 Sheet Drawings\Basins 07 & 10\06-Details\
FILE2205032-Basin 10-LateralTable.dwg
DIMSCALE:1 LTSCALE:20
PLOTTED BY:JMowery
DATE.....Nov 04,2022 - 5:51pm

Lateral Number	First Name / Company Name	Last Name	Property Address	Connects Into	Lateral Size (in)	Quantity of GPS Installations	Required Installation Method	Decommission Septic System	Property FFE (ft) *	Lateral Length (ft)	Bore Length (ft)	Open Cut Length (ft)
1	Linda	Duong	4670 Grant St	10-00-P	1.25"	1		Yes		100		
2	Russell G & Sally M	Myers	4650 Grant St	10-00-P	1.25"	1		Yes		91		
3	John	Woosley	4640 Grant St	10-00-P	1.25"	1		Yes		114		
4	Michael A	Howard	4600 Grant St	10-00-P	1.25"	1		Yes		97		
5	Galdino & Celesle E J/T R/S	Garcia	4552 Grant St	10-00-P	1.25"	1		Yes		95		
6	Alexander & Dorothy	Jacque	1595 W 47th Ave	10-01-P	1.25"	1		Yes		121		
7	Michelle	Isabell	1511 W 47th Ave	10-01-P	1.25"	1		Yes		140		
8	Bertha M	Jones	1439 W 47th Ave	10-01-P	1.25"	1		Yes		131		
9	Hector L & Gabrielle h&w	King	1415 W 47th Ave	10-01-P	1.25"	1		Yes		129		
10	Margine & Deborah E j/t r/s	Griffin & Conwell	1401 W 47th Ave	10-01-P	1.25"	1		Yes		133		
11	Jasmine	Coleman	1341 W 47th Ave	10-01-P	1.25"	1		Yes		123		
12	Christopher W Jr, Tonya E, Bruce A j/t r/s	Kendrick, Kendrick, & Lawson	1335 W 47th Ave	10-01-P	1.25"	1		Yes		91		
13	Sandra	Collins	1325 W 47th Ave	10-01-P	1.25"	1		Yes		103		
14	Andre A	Lewis	1309 W 47th Ave	10-01-P	1.25"	1		Yes		137		
15	Drayvonn	Reed	1225 W 47th Ave	10-01-P	1.25"	1		Yes		127		
16	Randy	Stotmeister	1213 W 47th Ave	10-01-P	1.25"	1		Yes		126		
17	Esariya-umpai	Snitphan	929 W 47th Ave	10-01-P	1.25"	1		Yes		134		
18	New Beginnings Christian Ministry Inc		901 W 47th Ave	10-01-P	1.25"	1		Yes		130		
19	Shireen	Mohiuddin	809 W 47th Ave	10-01-P	1.25"	1		Yes		89		
20	George H	Luna,	4712 Harrison St	10-02-P	1.25"	1		Yes		129		
21	Manuel A & Virginia	Roman	4732 Harrison	10-02-P	1.25"	1		Yes		138		
22	George L	Stevens	4738 Harrison	10-02-P	1.25"	1		Yes		130		
23	David W & Sandra M	Blasius	4740 Harrison St	10-02-P	1.25"	1		Yes		175		
24	Doris D	Hampton	4752 Harrison St	10-02-P	1.25"	1		Yes		127		
25	Salvation Army		4800 Harrison	10-02-P	1.25"	1		Yes		316		
26	Devin & Lue Emma Edinburgh (JT)	Davis	4846 Harrison St	10-02-P	1.25"	1		Yes		143		
27	Lloyd	Scott	4852 Harrison St	10-02-P	1.25"	1		Yes		149		
28	Tyrone	Douglas	4860 Harrison St	10-02-P	1.25"	1		Yes		155		
29	Robert L & Patricia A h&w	Jackson	4882 Harrison St	10-02-P	1.25"	1		Yes		122		
30	Maria Paz Carrillo	Manzo	5068 Harrison St	10-02-P	1.25"	1		Yes		154		
31	Barabara A & Earl M	Marshall & Smith	4700 Grant St	10-03-P	1.25"	1		Yes		96		
32	Alexander & Dorothy	Jacque	4717 Grant St	10-03-P	1.25"	1		Yes		132		
33	Barbara A & Addie R J/T R/S	Marshall & Boyd	4722 Grant St	10-03-P	1.25"	1		Yes		101		
34	Young Propertize LLC		4733 Grant St	10-03-P	1.25"	1		Yes		155		
35	Selena F & Raymond	Burke & Raymond	4740 Grant St	10-03-P	1.25"	1		Yes		104		
36	SJX Holdings LLC		4747 Grant St	10-03-P	1.25"	1		Yes		157		
37	Nicole	Harris	4760 Grant St	10-03-P	1.25"	1		Yes		105		
38	Eleven Twenty Investments LLC & Higher Ground Global Investments LLC		4765 Grant	10-03-P	1.25"	1		Yes		141		
39	Indiana Land Tr Co Trs of Tr dtd 2-6-12 known as Tr #6245		4775 Grant	10-03-P	1.25"	1		Yes		149		
40	Magdalene M	Lee	4770 Grant St	10-03-P	1.25"	1		Yes		106		
41	Rita	Love	4789 Grant St	10-03-P	1.25"	1		Yes		155		
42	Brenton	White	1660 W 48th Pl	10-03-P	1.25"	1		Yes		108		
43	Northern Indiana Public Serv. Co.		4801-07 Grant	10-03-P	1.25"	1		Yes		140		
44	Oak View Housing LLC		4860 Grant St	10-03-P	1.25"	1		Yes		123		
45	Oak View Housing LLC		4860 Grant St	10-03-P	1.25"	1		Yes		229		
46	Oak View Housing LLC		4860 Grant St	10-03-P	1.25"	1		Yes		210		
47	Patrick E Trs of the Kathleen Brady Tr dated 03-09-05	Brady	4675 Hayes St	10-04-P	1.25"	1		Yes		126		
48	Quest IRA Inc FBO Neerav Jayaswal IRA #3203121		1301 W 47th Ave	10-05-P	1.25"	1		Yes		51		
49	Ronald & Ava	Echols	4726 Buchanan St	10-05-P	1.25"	1		Yes		118		
50	Terri L & Todd A McCain, H&W	McCain	4731 Buchanan St	10-05-P	1.25"	1		Yes		125		
51	Theodora L	Dillon	4734 Buchanan St	10-05-P	1.25"	1		Yes		122		
52	Terrence	Dixon	4740 Buchanan St	10-05-P	1.25"	1		Yes		128		
53	Nellie J	Cooper	4755 Buchanan St	10-05-P	1.25"	1		Yes		116		
54	City Equities		4758 Buchanan St	10-05-P	1.25"	1		Yes		123		
55	Anthony	Washington	4764 Buchanan	10-05-P	1.25"	1		Yes		130		

LEGEND

- SH

Stone Shoulder
- K

Concrete Sidewalk
- S

Remove and Reset Sign
- M

Remove and Reset Mailbox
- P

Pedestrian Crossing Sign
- R

Concrete Curb Ramp
- T

Remove Tree or Shrub
- WS

Detectable Warning Surface



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	09/14/2022
DESIGN ENGINEER	DATE
DESIGNED: JJH	DRAWN: LMY/NDS
CHECKED: SJW	CHECKED: JJH

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

BASIN 10 LATERAL TABLE

			
HORIZONTAL SCALE		SHEETS	
1" = 20'	39	of	40
VERTICAL SCALE		PROJECT	
1" = 5'	2205032		

DIRECTORY :C:\Project\wise\VS Engineering\2205032 - Calumet Twp STEP - Basins 3, 7, 10 ConstPackage 1\30 Sheet Drawings\Basins 07 & 10\06-Details\FILE :.....2205032-Basin 10-LateralTable.dwg
DIMSCALE:1/1 LTSKALE:20
PLOTTED BY:JMowery
DATE:.....Nov 04,2022 - 5:52pm

Lateral Number	First Name / Company Name	Last Name	Property Address	Connects Into	Lateral Size (in)	Quantity of GPS Installations	Required Installation Method	Decommission Septic System	Property FFE (ft) *	Lateral Length (ft)	Bore Length (ft)	Open Cut Length (ft)
56	Melvin	Montgomery	4761 Buchanan St	10-05-P	1.25"	1		Yes		108		
57	Karen L	Erickson	4777 Buchanan St	10-05-P	1.25"	1		Yes		130		
58	Chauncey & Karen	Black	4801 Buchanan St	10-05-P	1.25"	1		Yes		75		
59	Priscilla L	Mihal	4800 Buchanan St	10-05-P	1.25"	1		Yes		141		
60	Raphael L	Whitehead	4825 Buchanan St	10-05-P	1.25"	1		Yes		97		
61	Yolander, Terry, Bruce; Jacqueline; Carnell J/T R/S	Collins; Johnson; Colston	4824 Buchanan St	10-05-P	1.25"	1		Yes		167		
62	Harold M	Jerry	4835 Buchanan St	10-05-P	1.25"	1		Yes		100		
63	Harold & Jaqueline	Jerry	1240 W 49th Ave	10-05-P	1.25"	1		Yes		195		
64	Christopher E & Noelle J/T R/S	Schneider	1330 W 49th Ave	10-05-P	1.25"	1		Yes		256		
65	Christopher & Carol A	Schneider	1301 W 49th Ave	10-05-P	1.25"	1		Yes		237		
66	Juana Fadera	Hunter	1335 W 49th Ave	10-05-P	1.25"	1		Yes		446		
67	True, Foundation Baptist Church		1187 W 47th Ave	10-06-P	1.25"	1		Yes		246		
68	Clarence	McGhee	4760 Pierce St	10-06-P	1.25"	1		Yes		101		
69	Walter P	Jackson	4780 Pierce St	10-06-P	1.25"	1		Yes		92		
70	Lutheran School Corporation of Indiana Inc		49th & Pierce St	10-06-P	1.25"	1		Yes		388		
71	Eddah	Gichuki	4892 Harrison St	10-07-P	1.25"	1		Yes		92		
72	Louis J	Garcia	900 W 49th Ave	10-07-P	1.25"	1		Yes		106		
73	Donnie L	Bournes	910 W 49th Ave	10-07-P	1.25"	1		Yes		111		
74	Paul W	Gaudy	911 W 49th Ave	10-07-P	1.25"	1		Yes		164		
75	Joyce M	Franklin	915 W 49th Ave	10-07-P	1.25"	1		Yes		126		
76	Minnie M	Alexander	917 W 49th	10-07-P	1.25"	1		Yes		125		
77	Paul W.	Gaudy	1060 W 49th Ave	10-07-P	1.25"	1		Yes		112		
78	Vincent L & Chong	Thomas	1100 W 49th Ave	10-07-P	1.25"	1		Yes		89		
79	Darryl L & Deborah	Gaddy	4900 Polk St	10-07-P	1.25"	1		Yes		193		
80	Anthony	Neutout	1125 W 49th Ave	10-07-P	1.25"	1		Yes		143		
81	Amber D	Birtciel	4901 Pierce St	10-07-P	1.25"	1		Yes		184		
82	Emily R & Jalen	Clare & Perkins	1700 W 47th Ave	10-08-P	1.25"	1		Yes		89		
83	Thomas S & Valerie B	Cramer	4664 Hayes St	10-08-P	1.25"	1		Yes		94		
84	John W	Borders	4647 Hayes St	10-08-P	1.25"	1		Yes		109		
85	Roscoe H & Mary	Austin	4660 Hayes St	10-08-P	1.25"	1		Yes		93		
86	Kevin	Hood	4645 Hayes St	10-08-P	1.25"	1		Yes		123		
87	Olwen	Sailors	4644 Hayes St	10-08-P	1.25"	1		Yes		94		
88	Top Shot Rentals LLC		4643 Hayes St	10-08-P	1.25"	1		Yes		113		
89	Jesse D. & Brenda C.	Lewis	4636 Hayes St	10-08-P	1.25"	1		Yes		99		
90	Kelly S	Dinkins	4615 Hayes St	10-08-P	1.25"	1		Yes		144		
91	Allen E & Ramona	Slawikowski	4606 Hayes St	10-08-P	1.25"	1		Yes		90		
92	Carla & Darryl (Married Couple)	Boston	4601 Hayes St	10-08-P	1.25"	1		Yes		111		
93	Tyrell L	Smith	1717 W 47th Ave	10-09-P	1.25"	1		Yes		204		
94	Patsy	Counce	1701 W 47th Ave	10-09-P	1.25"	1		Yes		77		
95	Jacob Aaron	Hallock	1651 W 47th Ave	10-09-P	1.25"	1		Yes		149		
96	Daniel R & Rose Ann	Colon	4720 Hayes	10-09-P	1.25"	1		Yes		75		
97	Bell Jr & Susana	Anderson	4725 Hayes	10-09-P	1.25"	1		Yes		192		
98	Bell Sr	Anderson	4725 Hayes	10-09-P	1.25"	1		Yes		187		
99	Thomas	Chakos	4792 Hayes St	10-09-P	1.25"	1		Yes		139		
100	Anderson	Bell	4745 Hayes	10-09-P	1.25"	1		Yes		137		
101	Shannon L	McNair	1650 W 48th Pl	10-10-P	1.25"	1		Yes		111		
102	Maurice and Sandra V	Yarbrough	1727 W 48th Pl	10-10-P	1.25"	1		Yes		129		
103	Patricia I	Johnson	1710 Orchard Hill Ln	10-10-P	1.25"	1		Yes		115		
104	Joseph J & Andrea L	Shingler	1717 W 48th Pl	10-10-P	1.25"	1		Yes		202		
105	Vickie	Gaddy	1750 Orchard Hill Ln	10-10-P	1.25"	1		Yes		157		
106	Leroy & Essie	Bolden	4801 Lincoln St	10-11-P	1.25"	1		Yes		126		
107	Paula K	Beeks	4815 Lincoln St	10-11-P	1.25"	1		Yes		124		
108	Samuel A. & Latricia J. H&W	Roberts	4812-16 Lincoln Street	10-11-P	1.25"	1		Yes		91		
109	John D and Matthew A	Reynolds	4860 Tyler St	10-12-P	1.25"	1		Yes		114		
110	Terry B	Jackson	4825 Tyler St	10-12-P	1.25"	1		Yes		130		
Total Lengths (ft):										15,041	-	-
	*Property Finished Floor Elevations (FFE) were established using publicly available GIS information and not topographic survey. Contractor shall be responsible for verification of FFE's and feasibility and profile of all service laterals. Contractor shall be responsible for coordination with each property owner to determine the preferred sewer lateral location along the right-of-way frontage owned by each property owner. This cost shall be included in the cost of lateral pipe installation.											

LEGEND

- SH

Stone Shoulder
- K

Concrete Sidewalk
- S

Remove and Reset Sign
- M

Remove and Reset Mailbox
- P

Pedestrian Crossing Sign
- R

Concrete Curb Ramp
- T

Remove Tree or Shrub
- WS

Detectable Warning Surface



25% DESIGN
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		09/14/2022	
DESIGN ENGINEER		DATE	
DESIGNED: JJH	DRAWN: LMY/NDS		
CHECKED: SJW	CHECKED: JJH		

CALUMET STEP - BASIN 10
LAKE COUNTY, INDIANA

BASIN 10 LATERAL TABLE



HORIZONTAL SCALE	SHEETS	
1" = 20'	40	of 40
VERTICAL SCALE	PROJECT	
1" = 5'	2205032	