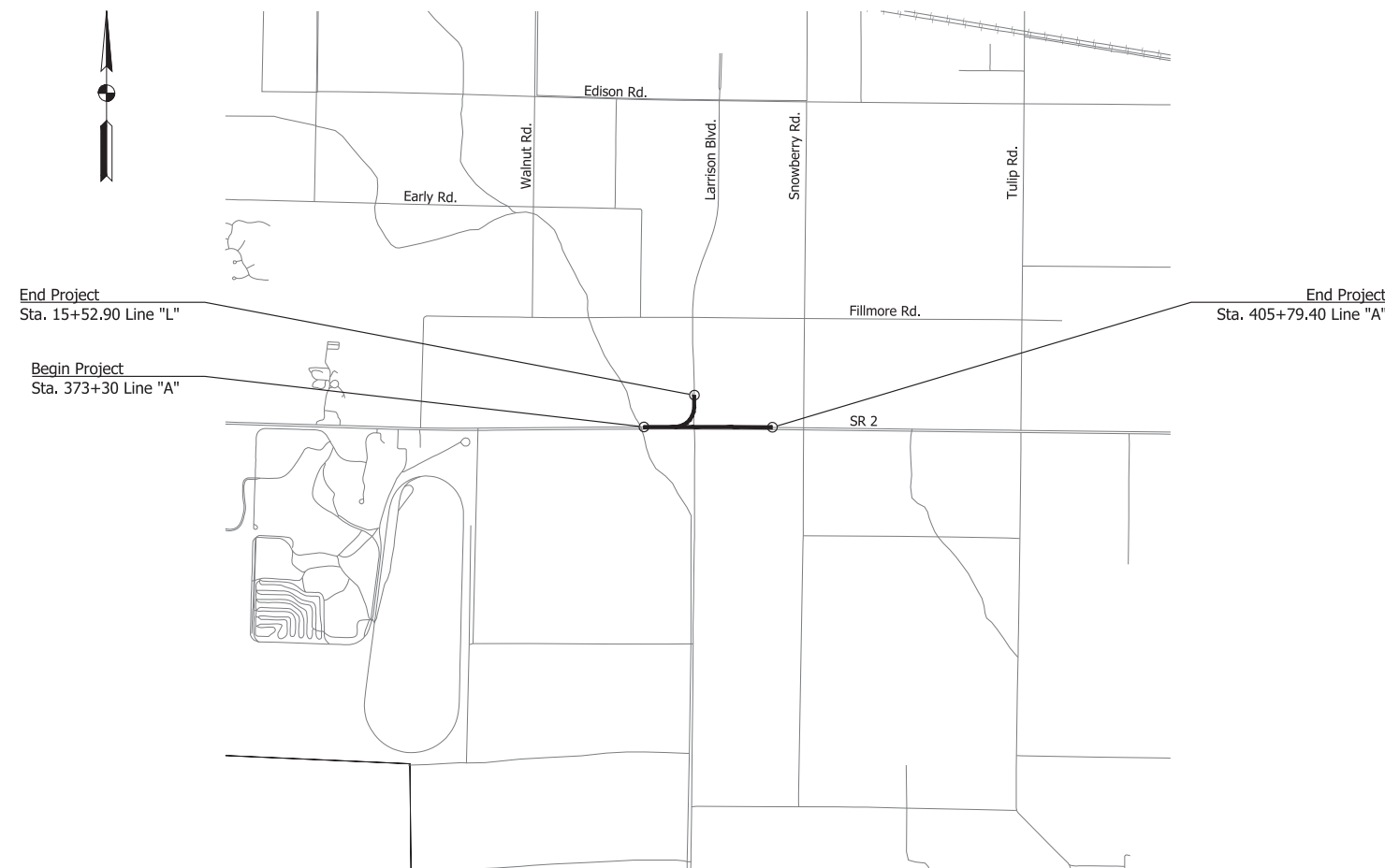


ST. JOSEPH COUNTY

DEPARTMENT OF INFRASTRUCTURE, PLANNING, & GROWTH DIVISION OF PUBLIC WORKS



SR 2 & LARRISON BOULEVARD INTERSECTION IMPROVEMENT

St. Joseph County Project Number: --

Intersection Improvement, Added Travel Lanes on State Road 2 at Larrison Boulevard, located in Section 7,
T-37-N, R-1-E, Olive Township, St. Joseph County, Indiana

APPROVED BY:

**ST. JOSEPH COUNTY, INDIANA
BOARD OF COMMISSIONERS**

DISTRICT 1 COMMISSIONER

DISTRICT 2 COMMISSIONER

DISTRICT 3 COMMISSIONER

CARL H. BAXMEYER, PRESIDENT DATE

DEREK D. DIETER, VICE PRESIDENT DATE

DEBORAH A. FLEMING, DMD, MEMBER DATE

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



APPROVED BY ST. JOSEPH COUNTY ENGINEER
FOR CONSTRUCTION WITH ORDINANCE,
NO RESPONSIBILITY IS ACCEPTED FOR DESIGN

SKY K. MEDORS, P.E., ST. JOSEPH COUNTY ENGINEER

DATE

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2022
AND ST. JOSEPH COUNTY, INDIANA SPECIFICATIONS, LATEST EDITION
TO BE USED WITH THESE PLANS

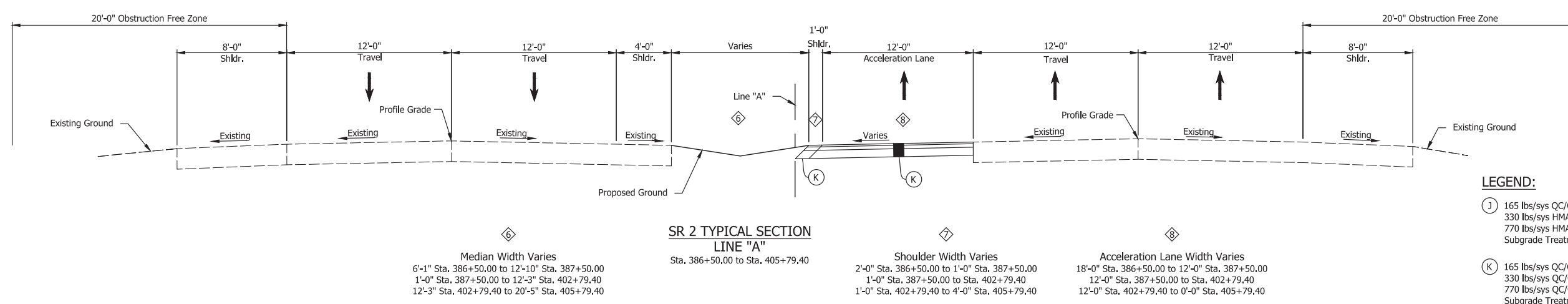
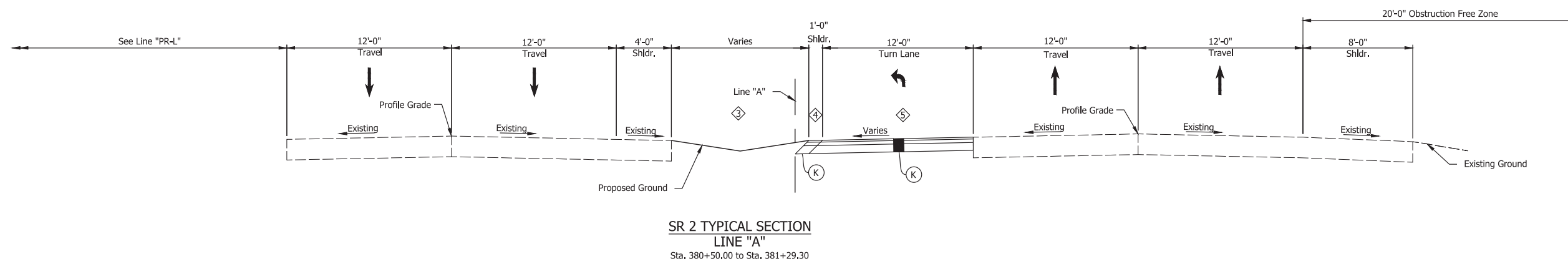
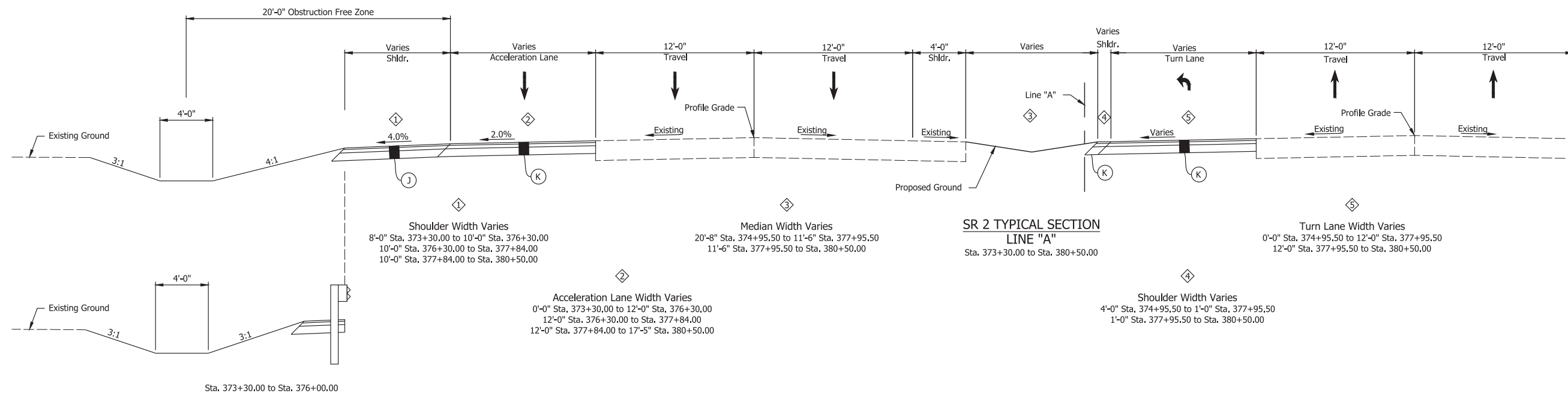


RYAN J. CLARK, P.E.

DATE



Lochmueller Group



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

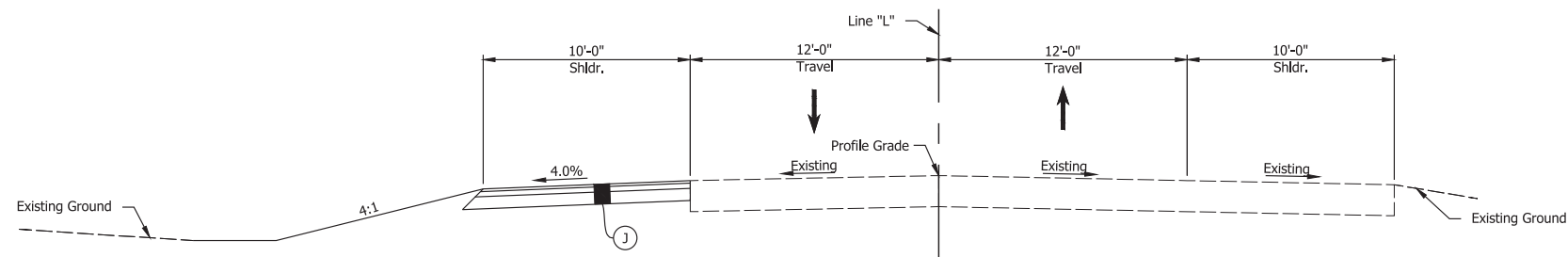
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

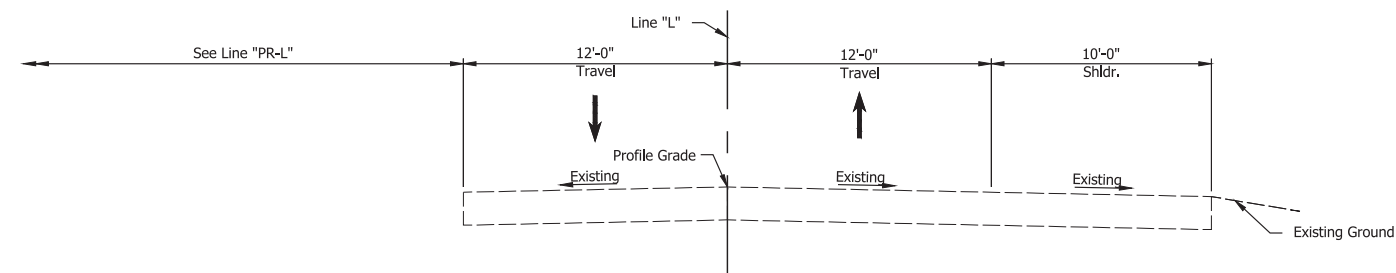
**TYPICAL SECTIONS
LINE "A"**

HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 3 of 53
CONTRACT	PROJECT

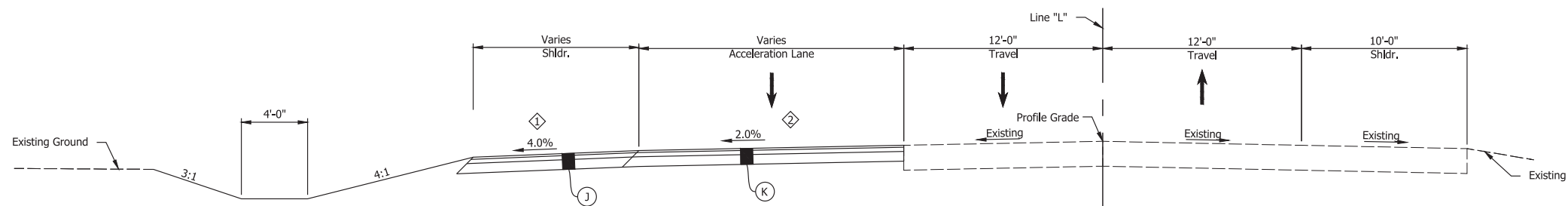
Date: Jun 08, 2023, 10:58am User Name: Sara Munise File: X:\Production\Files\2023\122-3078\PR-01\CAD\Plans\Set(S)Sht_RD_Typical.dwg (Typical Sections (1))



LARRISON BLVD. TYPICAL SECTION
LINE "L"
Sta. 8+48.40 to Sta. 11+54.40



LARRISON BLVD. TYPICAL SECTION
LINE "L"
Sta. 11+54.40 to Sta. 13+38.77



LARRISON BLVD. TYPICAL SECTION
LINE "L"
Sta. 13+38.77 to Sta. 15+52.90

LEGEND:

- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
- (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 19.0mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC

Date: Jun 08, 2023, 10:58am User Name: Sara Munise File: X:\Production\Files\2023\122-2078\PC-01\CAD\Plans\Set(S)C_R2_Typical.dwg - Typical Sections (2)

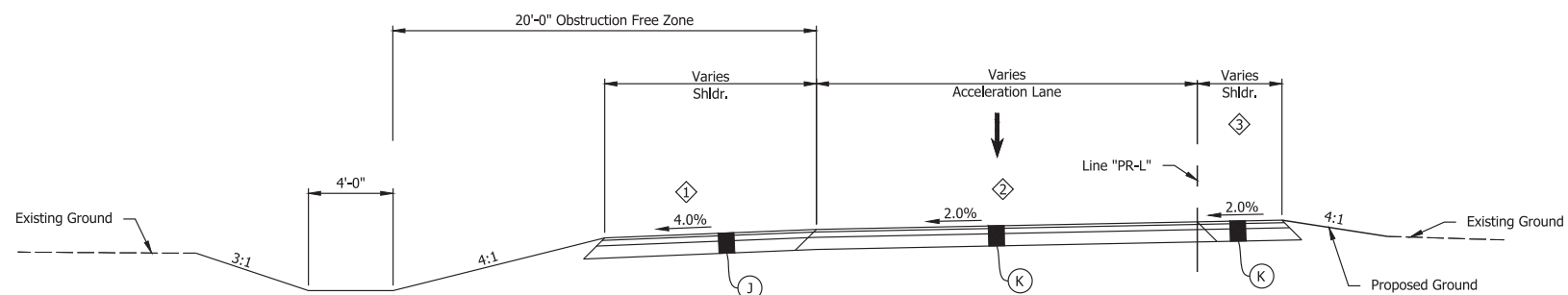
**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

TYPICAL SECTIONS
LINE "L"

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEET
ELECTRONIC	4 of 53
CONTRACT	PROJECT



① Outside Shoulder Width Varies
 10'-0" Sta. 10+00.00 to Sta. 17+64.22
 10'-0" Sta. 17+64.22 to 9'-6" Sta. 17+99.60

② Acceleration/Turn Lane Width Varies
 17'-6" Sta. 10+00.00 to 18'-0" Sta. 10+33.95
 18'-0" Sta. 10+33.95 to Sta. 17+64.22
 18'-0" Sta. 17+64.22 to 16'-7" Sta. 17+99.60

Line "PR-L"
 Sta. 10+00.00 to Sta. 17+99.60

③ Shldr. Width Varies
 0'-0" Sta. 10+00.00 to Sta. 11+28.65
 0'-0" Sta. 11+28.65 to 10'-0" Sta. 11+67.98
 4'-0" Sta. 11+67.98 to Sta. 16+17.07
 10'-0" Sta. 16+17.07 to 0'-0" Sta. 17+64.30

LEGEND:

- ⓐ 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
 330 lbs/sys HMA Intermediate, Type C on
 770 lbs/sys HMA Base, Type C on
 Subgrade Treatment, Type IC
- ⓑ 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on
 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on
 Subgrade Treatment, Type IC

Date: Jun 08, 2023, 10:58am User Name: Sara Munse
 File: X:\Production\Files\2022\122-5078\PR-01\CAD\Plans\Set(S)C_R2_Typical.dwg - Typical Sections (3)

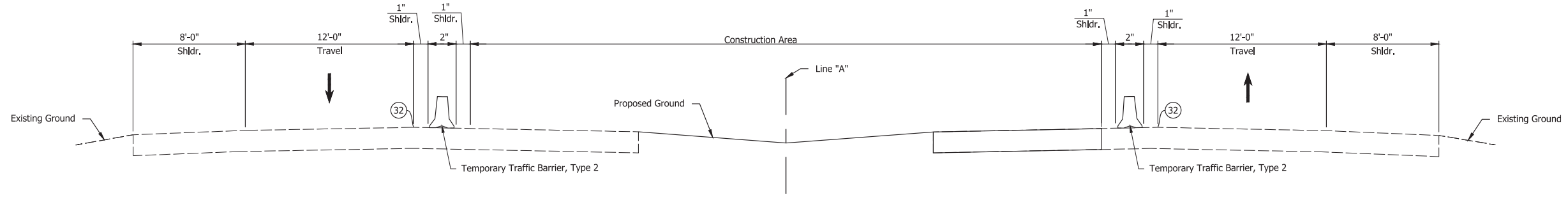
**PRELIMINARY PLANS
 NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM _____	DRAWN: _____ DJG _____	
CHECKED: _____ BSS _____	CHECKED: _____ RJC _____	

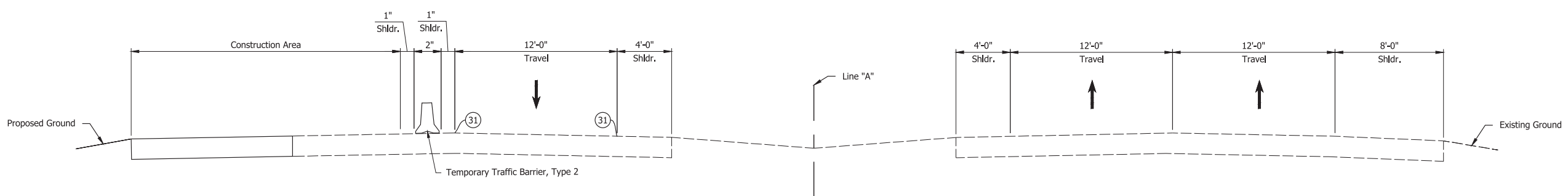
ST. JOSEPH COUNTY
 DEPARTMENT OF ENGINEERING

TYPICAL SECTIONS
 LINE "PR-L"

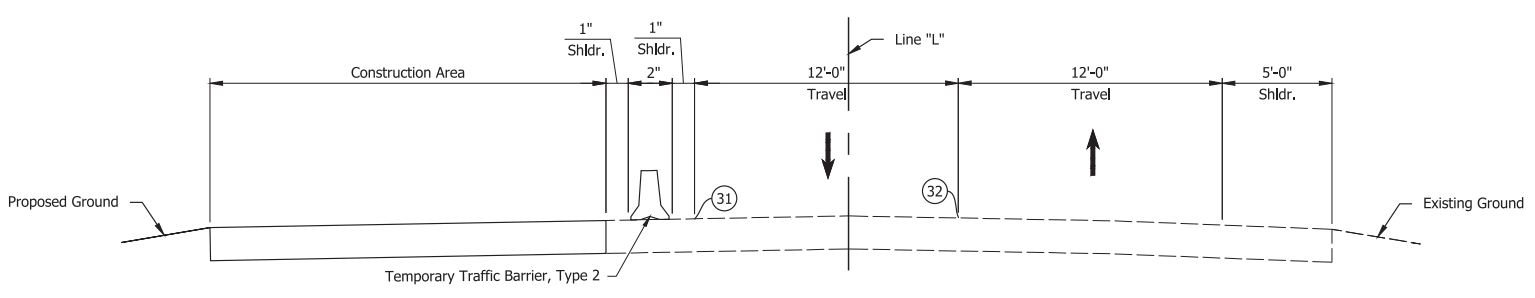
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEET
ELECTRONIC	5 of 53
CONTRACT	PROJECT



MAINTENANCE OF TRAFFIC TYPICAL - PHASE 1



MAINTENANCE OF TRAFFIC TYPICAL - PHASE 2A & 2B



MAINTENANCE OF TRAFFIC TYPICAL - PHASE 2A & 2B

- LEGEND:**
- 31 Temporary Pavement Marking, Solid, White, 4 in., Removable
 - 32 Temporary Pavement Marking, Solid, Yellow, 4 in., Removable

Date: Jun 08, 2023, 10:58am User Name: Sara Munise
 File: X:\Production\Files\2022\122-3078\PC-01\CAD\Plans\Set(S)C_R2_MOT Typical.dwg - (MOT Typical)

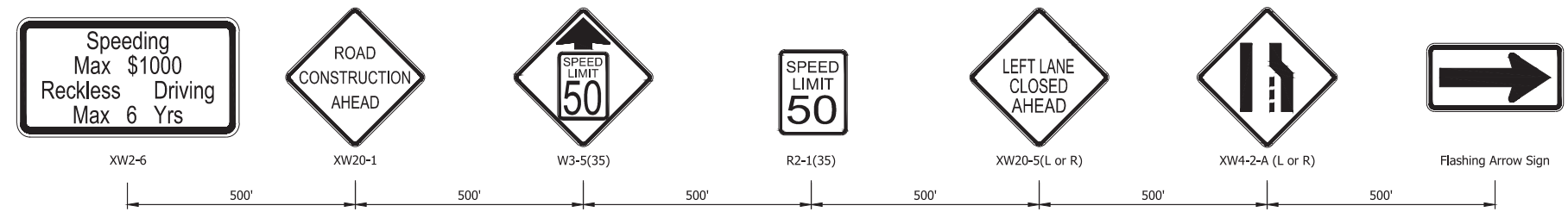
**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

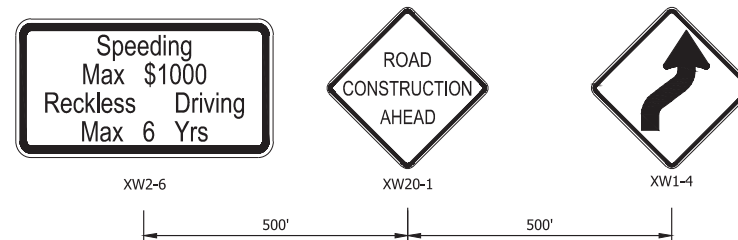
ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

MAINTENANCE OF TRAFFIC
TYPICALS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/4" = 1'	
SURVEY BOOK	SHEET
ELECTRONIC	6 of 53
CONTRACT	PROJECT



SR 2 ADVANCE SIGN DETAIL
OUTSIDE SHOULDER
N.T.S.



LARRISON BLVD. ADVANCE SIGN DETAIL
OUTSIDE SHOULDER
N.T.S.

SEQUENCE OF OPERATIONS
SR 2 & LARRISON RD

PHASE 1 & 2

1. Place construction signs, temporary markings, channelizing devices, and temporary traffic barriers as shown in the plans.
2. Perform work to as detailed in the plans and construction zones detailed in plans and described below in phases 1, 2a, and 2b.

PHASE 1

- a. Place construction signs, temporary markings, channelizing devices, and temporary traffic barriers as detailed in the plans.
- b. Restrict traffic to outside shoulders and lanes. Intersections will remain opened as detailed in the plans.
- c. Perform work on SR 2 inside shoulders and median as detailed in the plans.

PHASE 2a

- a. Place construction signs, temporary markings, channelizing devices, and temporary traffic barriers as detailed in the plans.
- b. Restrict traffic to inside shoulders and lanes. Intersections will remain opened as detailed in the plans.
- c. Perform work on SR 2 and Larrison Rd outside shoulders as detailed in the plans. Construct new acceleration lane.

PHASE 2b

- a. Place construction signs, temporary markings, channelizing devices, and temporary traffic barriers as detailed in the plans.
- b. Restrict traffic to inside shoulders and lanes. Intersections will remain opened as detailed in the plans.
- c. Remove existing right turn lane on Larrison Rd as detailed in the plans.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ JAG _____	DRAWN: _____ BJS _____	
CHECKED: _____ BSS _____	CHECKED: _____ RJC _____	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

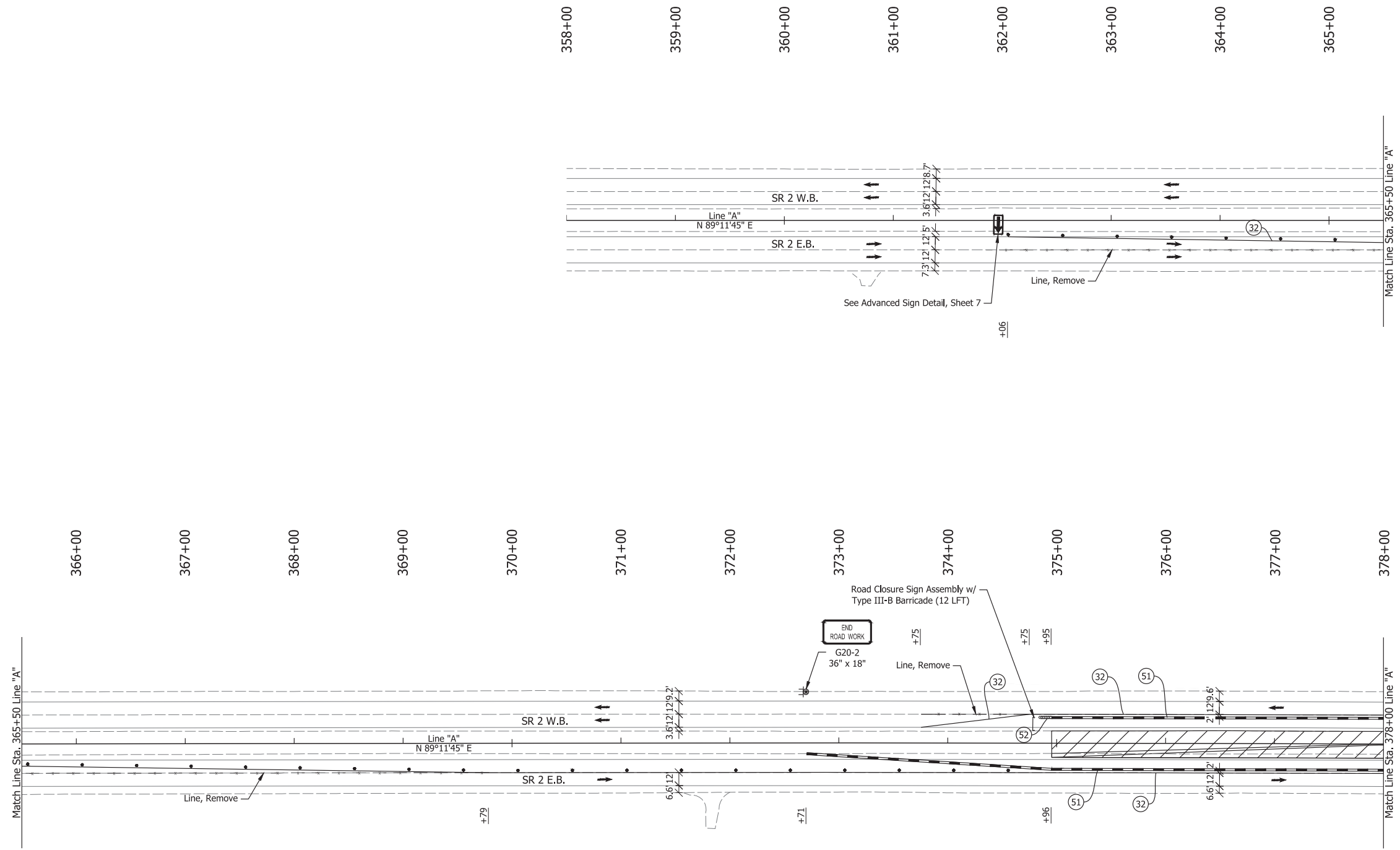
MAINTENANCE OF TRAFFIC
ADVANCED SIGN DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEET
ELECTRONIC	7 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 10:58am User Name: Sara Munse
 File: X:\Production\Files\2022\122-5078\PC-01\CAD\Plans\Set\SHL_RD_MOT_Typical.dwg - (MOT Advance Sign Detail)

Date: Jun 08, 2023, 10:58am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5076\PC-01\CD\Plans\Set(S)C_L_RD_MOT_P11.dwg (MOT Phase 1 (01))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



- LEGEND:**
- (32) Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
 - (51) Temporary Traffic Barrier, Type 2, Anchored
 - (52) Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - Traffic Flow
 - ⊠ Construction Sign
 - ⊠ Flashing Arrow Board
 - - - Line, Remove
 - ▨ Construction Area

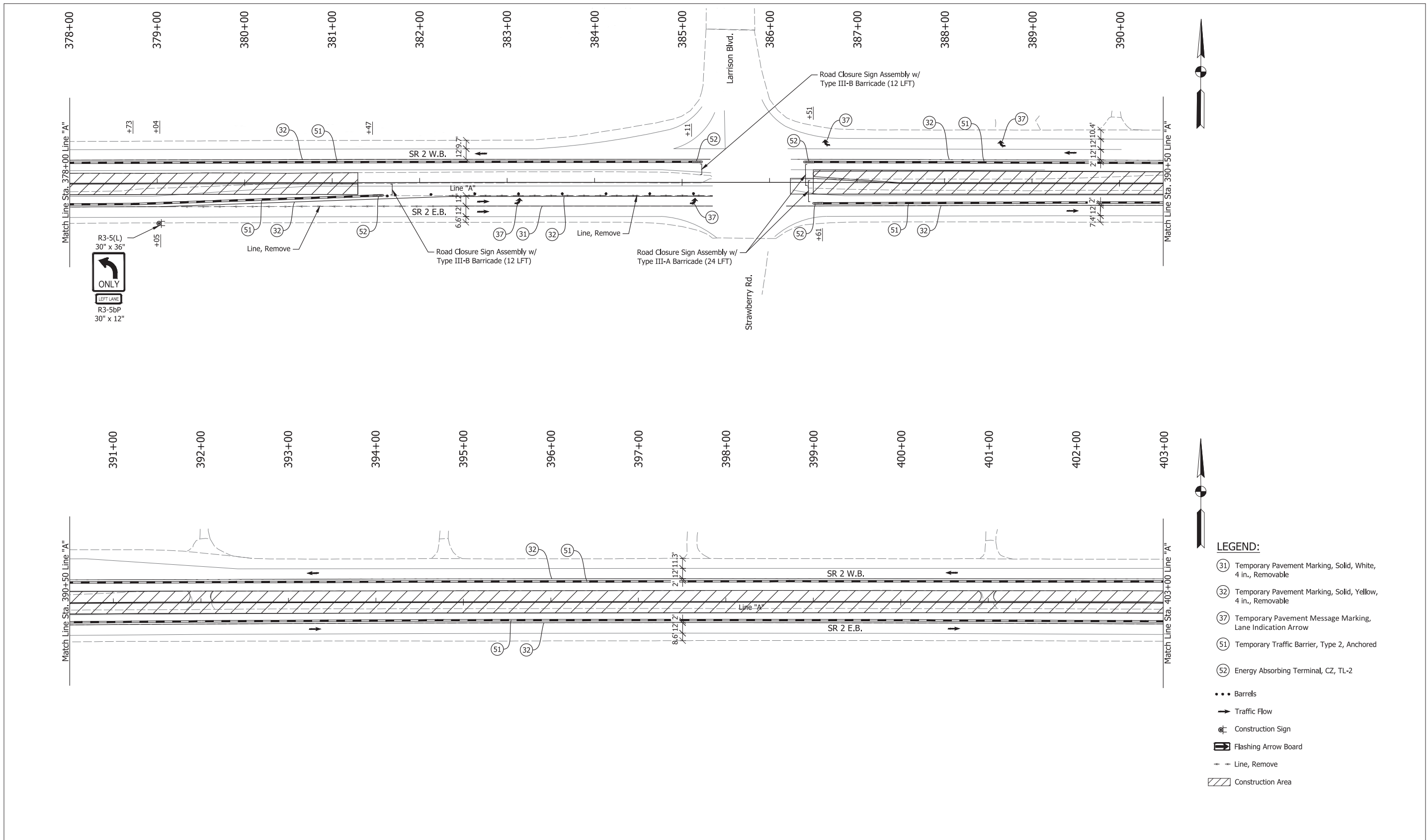
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 1**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 8 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 10:58am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5078\PG-01\CD\Plans\Set(S)C_L_RD_MOT_P11.dwg - (MOT Phase 1 (02))



**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

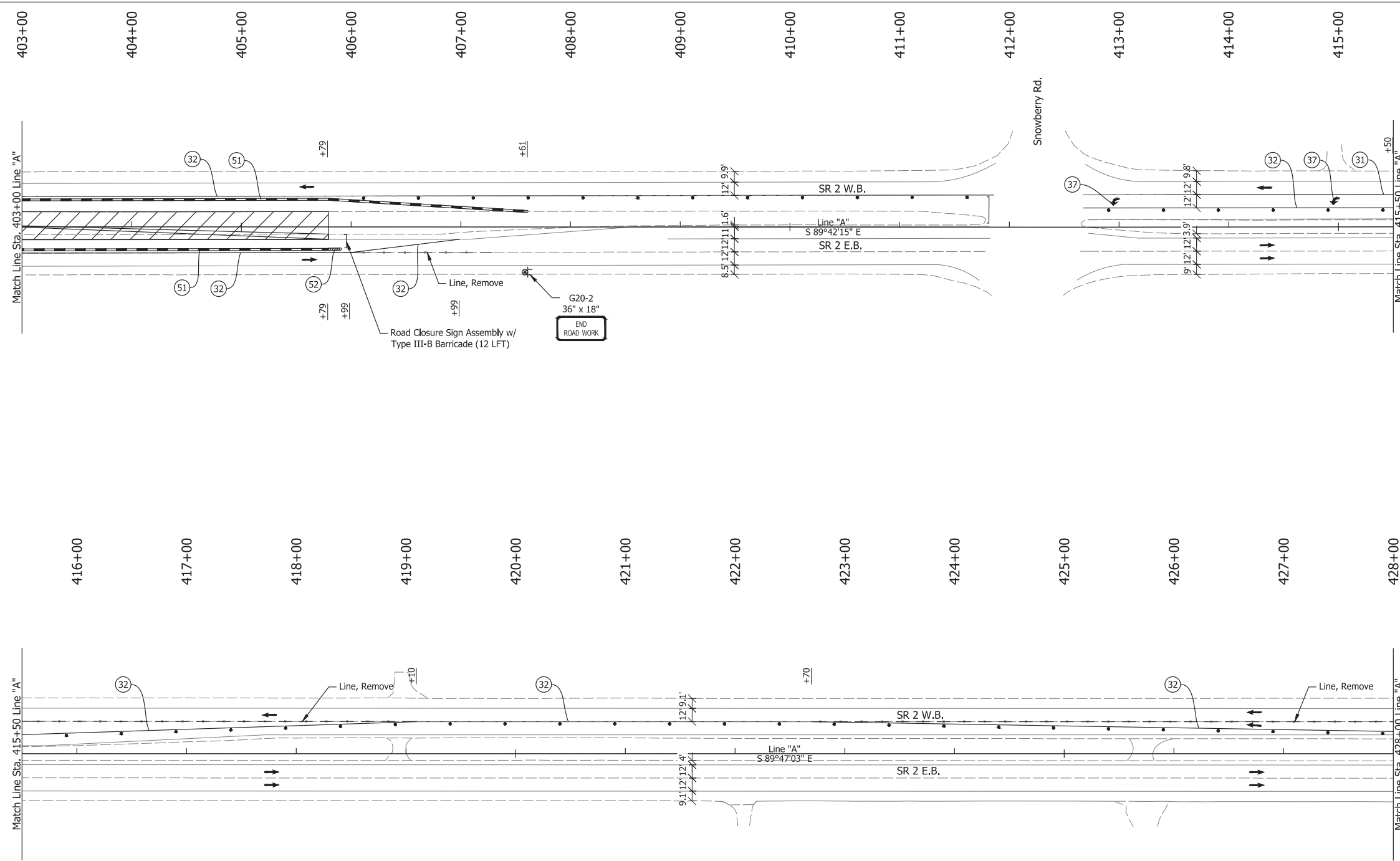
**MAINTENANCE OF TRAFFIC PLAN
PHASE 1**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 9 of 53
CONTRACT	PROJECT

- LEGEND:**
- (31) Temporary Pavement Marking, Solid, White, 4 in., Removable
 - (32) Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
 - (37) Temporary Pavement Message Marking, Lane Indication Arrow
 - (51) Temporary Traffic Barrier, Type 2, Anchored
 - (52) Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - Traffic Flow
 - ⚠ Construction Sign
 - ⚡ Flashing Arrow Board
 - - - Line, Remove
 - ▨ Construction Area

Date: Jun 08, 2023, 10:58am User Name: Sara Nunez
 File: X:\Production\Files\2022122-5078\PC-01\CD\Plans\Set(S)_L_RD_MOT_P1.dwg - (MOT Phase 1 (03))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



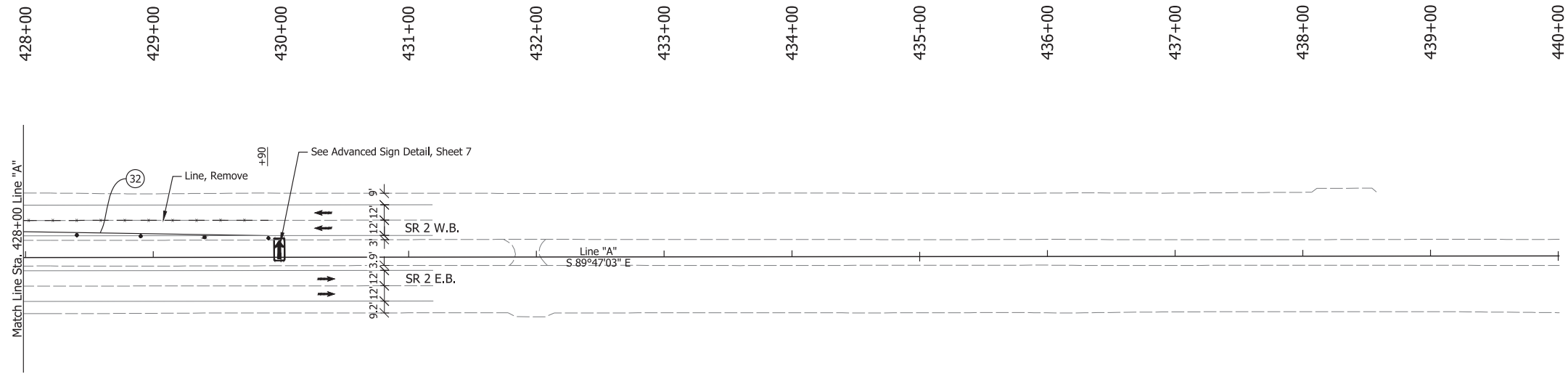
- LEGEND:**
- ① Temporary Pavement Marking, Solid, White, 4 in., Removable
 - ② Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
 - ③ Temporary Pavement Message Marking, Lane Indication Arrow
 - ④ Temporary Traffic Barrier, Type 2, Anchored
 - ⑤ Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - Traffic Flow
 - ⚠ Construction Sign
 - ⚡ Flashing Arrow Board
 - - - Line, Remove
 - ▨ Construction Area

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: JAG	DRAWN: BJS				
CHECKED: BSS	CHECKED: RJC				

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
ELECTRONIC	10 of 53
CONTRACT	PROJECT



LEGEND:

- Ⓣ Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
- Barrels
- Traffic Flow
- Ⓢ Construction Sign
- Ⓜ Flashing Arrow Board
- - - Line, Remove

Date: Jun 08, 2023, 10:58am User Name: Sara Nunez
 File: X:\Production\Files\2022122-5078\PC-01\CD\Plans\Set(S)C_RD_MOT_P11.dwg - (MOT Phase 1 (1))

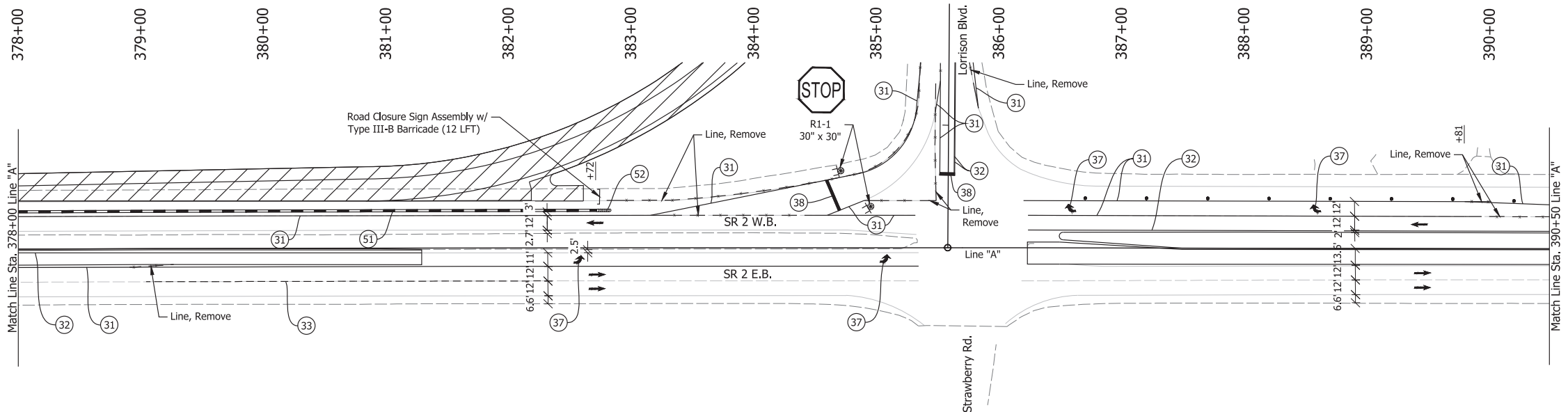
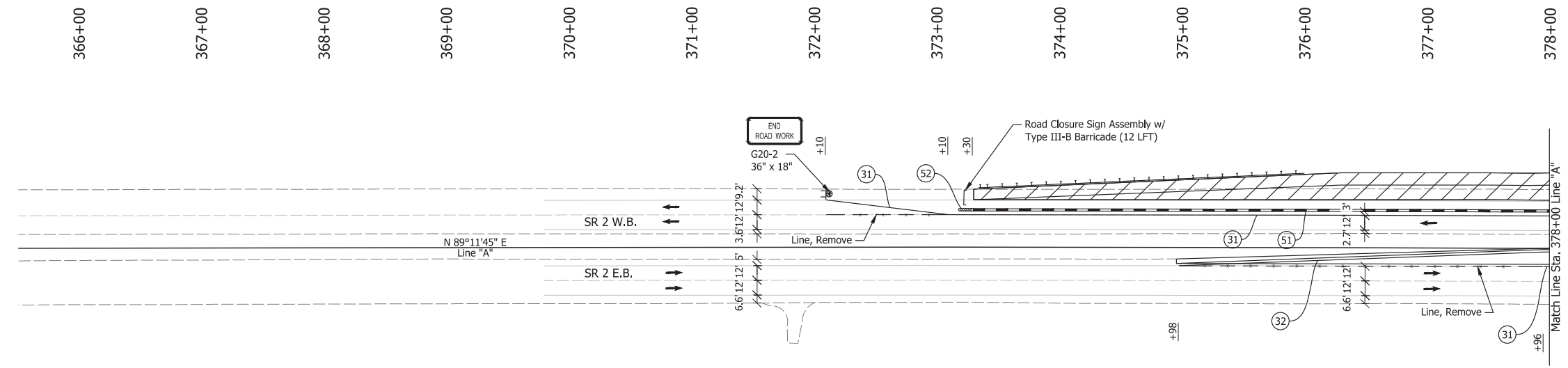
**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

MAINTENANCE OF TRAFFIC PLAN
PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
ELECTRONIC	11 of 53
CONTRACT	PROJECT



- LEGEND:**
- ① Temporary Pavement Marking, Solid, White, 4 in., Removable
 - ② Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
 - ③ Temporary Pavement Marking, Broken, White, 4 in., Removable
 - ④ Temporary Pavement Message Marking, Lane Indication Arrow
 - ⑤ Temporary Pavement Marking, Solid, White, 24 in., Removable
 - ⑥ Temporary Traffic Barrier, Type 2, Anchored
 - ⑦ Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - ➔ Traffic Flow
 - ⊠ Construction Sign
 - - - Line, Remove
 - ▨ Construction Area

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

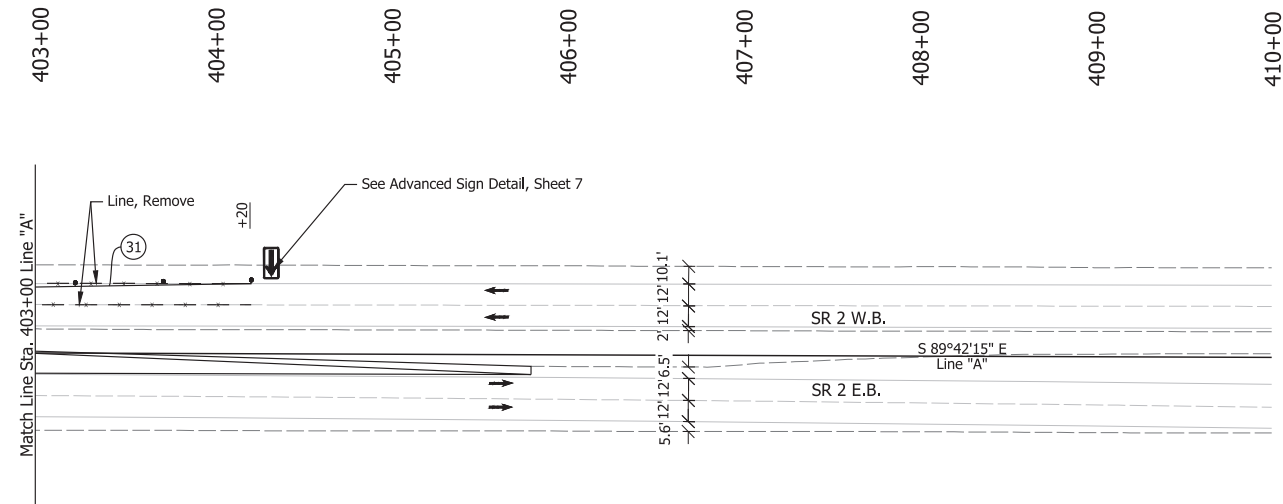
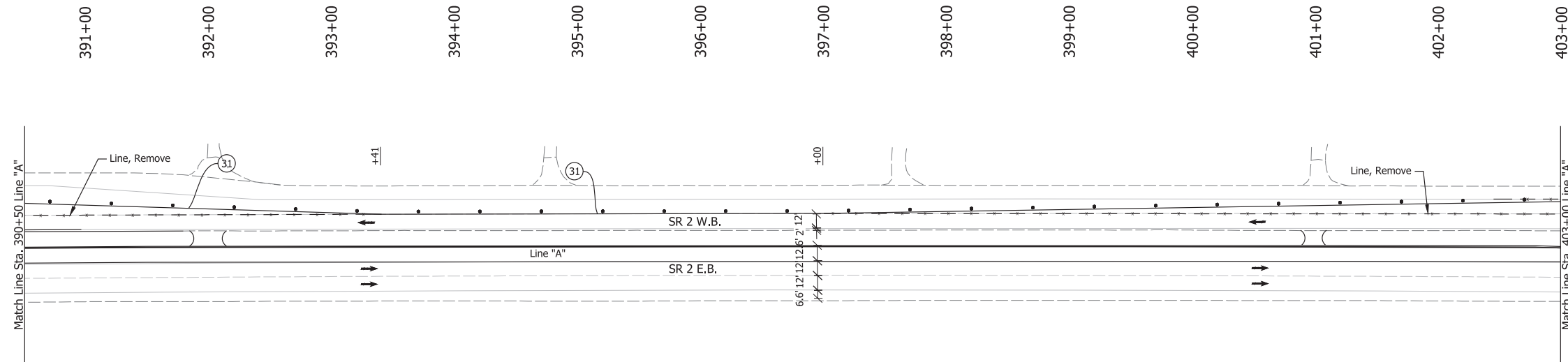
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 2A**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 12 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 10:58am User: Sara Munnese
 File: X:\Production\Files\2022\122-5078\PCU-01\CAD\Plans\Set(S)C_RD_MOT_Ph2a.dwg - (NOT Phase 2a (01))



LEGEND:

- 31 Temporary Pavement Marking, Solid, White, 4 in., Removable
- Barrels
- Traffic Flow
- ⊠ Construction Sign
- ⚡ Flashing Arrow Board
- - - Line, Remove
- ▨ Construction Area

Date: Jun 08, 2023, 10:58am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5076\PC-01\CAD\Plans\Set(S)C_RD_MOT_Phase 2a.dwg - (NOT Phase 2a (02))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

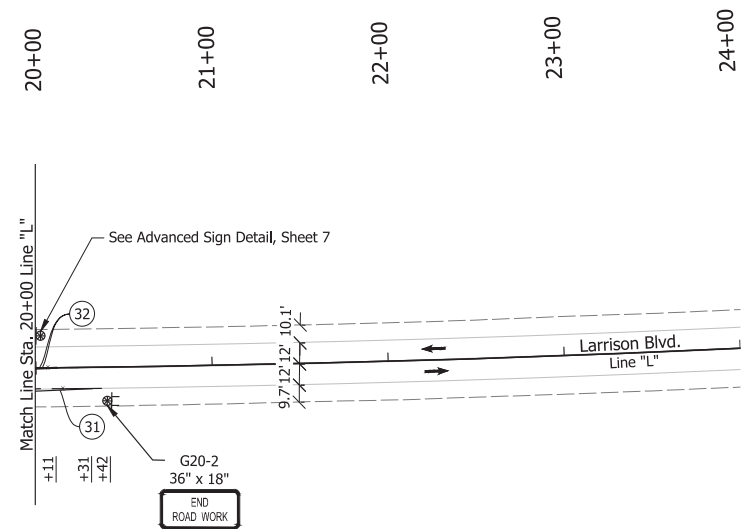
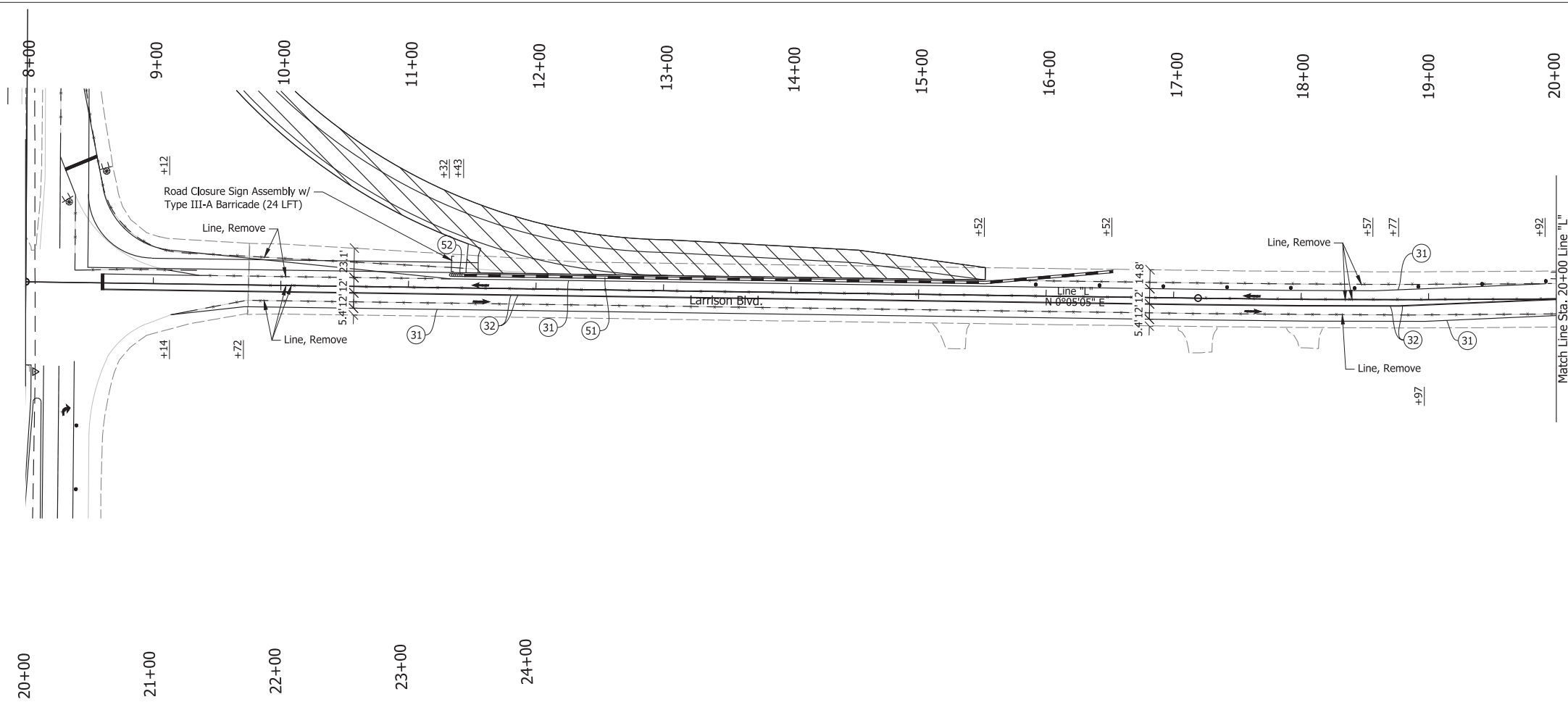
**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 2A**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 13 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:00am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5078\PCU-01\CAD\Plans\Set(SH)_RD_MOT_Phase 2a.dwg - (MOT Phase 2a_02 (01))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



- LEGEND:**
- (31) Temporary Pavement Marking, Solid, White, 4 in., Removable
 - (32) Temporary Pavement Marking, Solid, Yellow, 4 in., Removable
 - (51) Temporary Traffic Barrier, Type 2, Anchored
 - (52) Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - Traffic Flow
 - ⊕ Construction Sign
 - - - Line, Remove
 - ▨ Construction Area

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

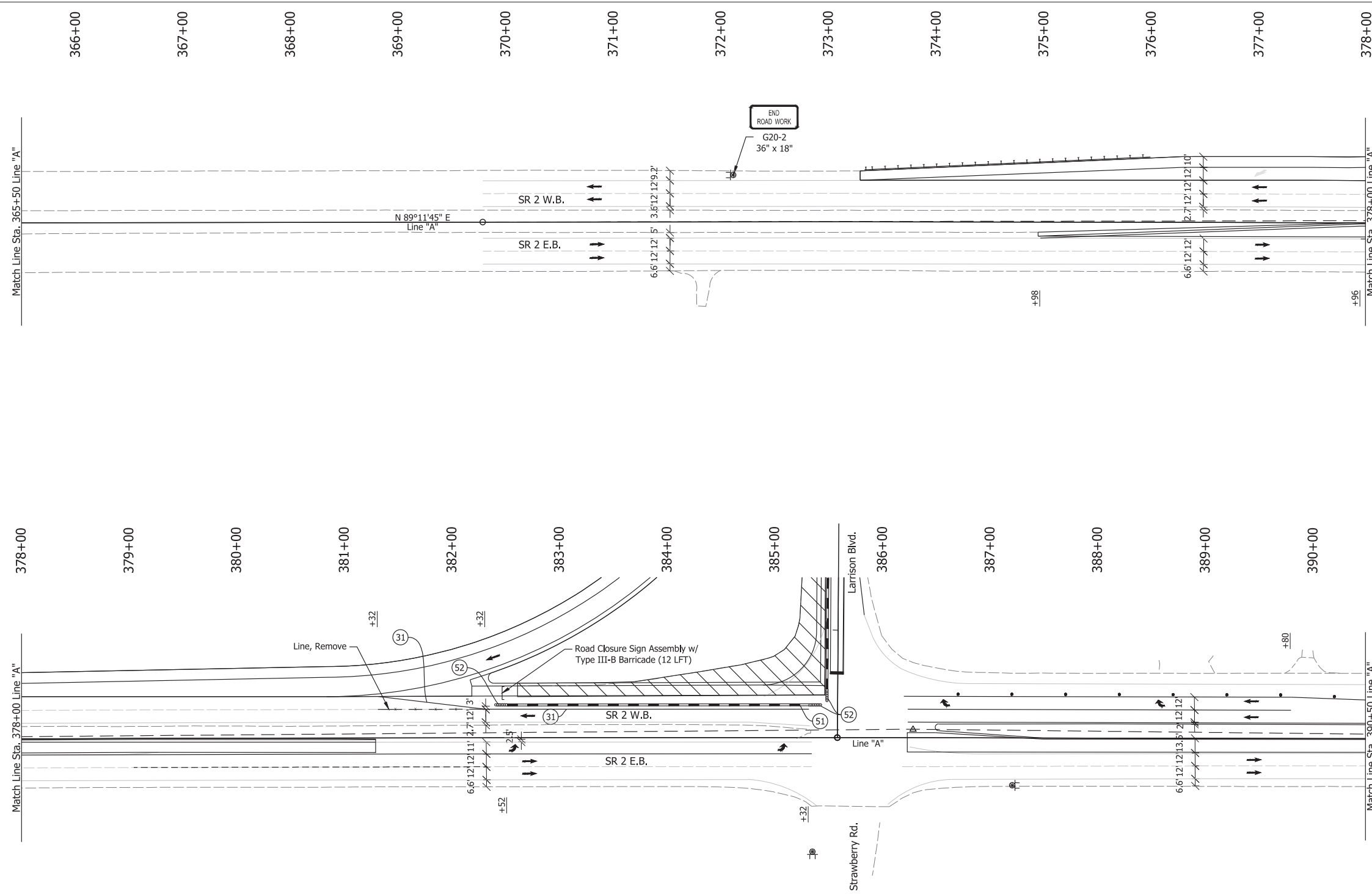
**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 2A**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 14 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:00am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5078\PC-01\CAD\Plans\Set(S)C_Rd_MOT_Ph2b.dwg - (NOT Phase 2b (01))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



LEGEND:

- (31) Temporary Pavement Marking, Solid, White, 4 in., Removable
- (45) Transverse Marking, Thermoplastic, Stop Bar, White, 24 in.
- (51) Temporary Traffic Barrier, Type 2, Anchored
- (52) Energy Absorbing Terminal, CZ, TL-2
- Barrels
- Traffic Flow
- ⊕ Construction Sign
- - - Line, Remove
- ▨ Construction Area

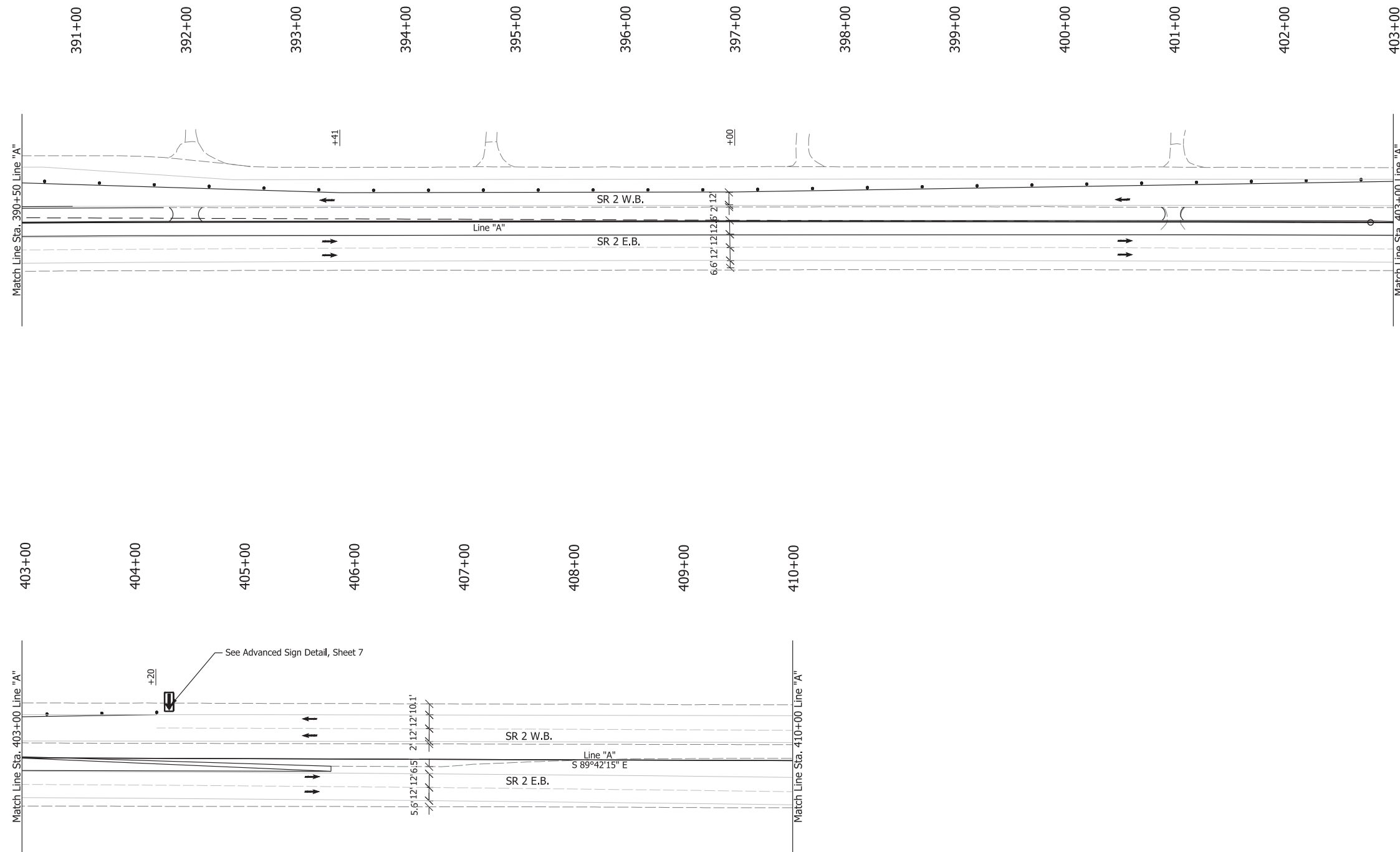
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS		
CHECKED: BSS	CHECKED: RJC		

ST. JOSEPH COUNTY DEPARTMENT OF ENGINEERING	
MAINTENANCE OF TRAFFIC PLAN PHASE 2B	

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 15 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:00am User Name: Sara Nunez
 File: X:\Production\Files\2022\122-5076\PC-01\CD\Plans\Set(S)C_R01_MOT_Phase 2b.dwg - (NOT Phase 2b (02))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



- LEGEND:**
- Barrels
 - Traffic Flow
 - ⊠ Construction Sign
 - ⊠ Flashing Arrow Board

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

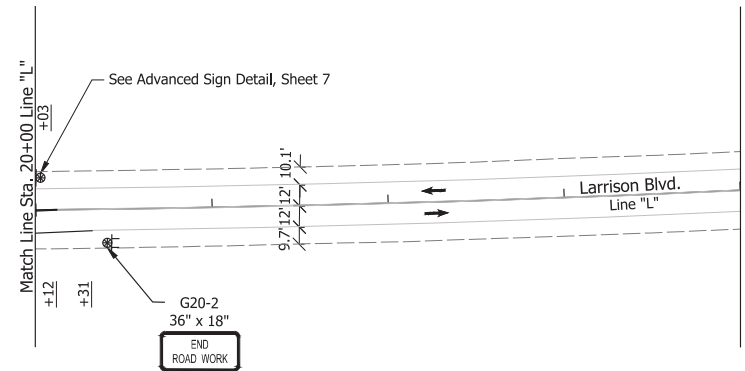
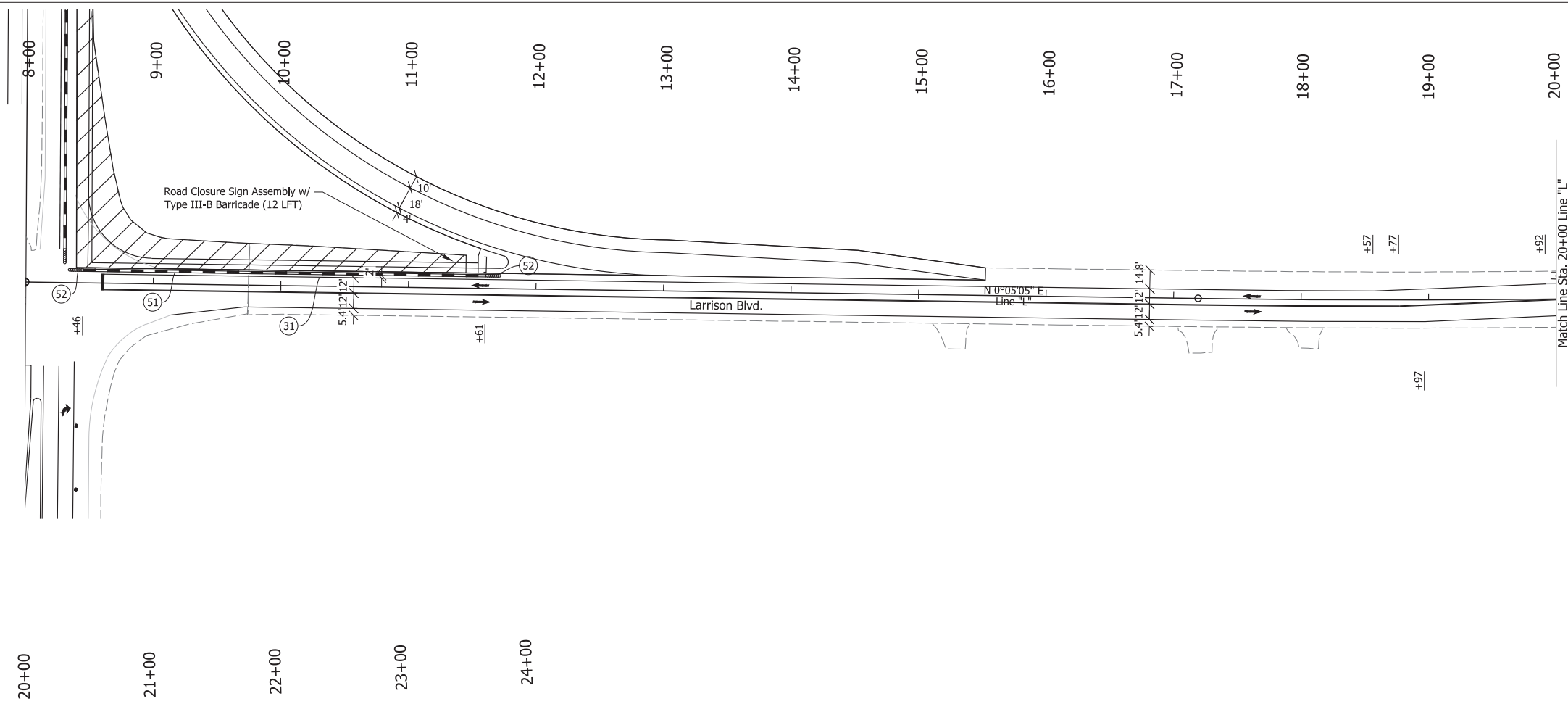
**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 2B**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 16 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:01am, User: Sara Nunez
 File: X:\Production\Files\2022\122-5076\PCU-01\CAD\Plans\Set(SH)_RD_MOT_Phase 2b_02.dwg - (NOT Phase 2b_02 (01))

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**



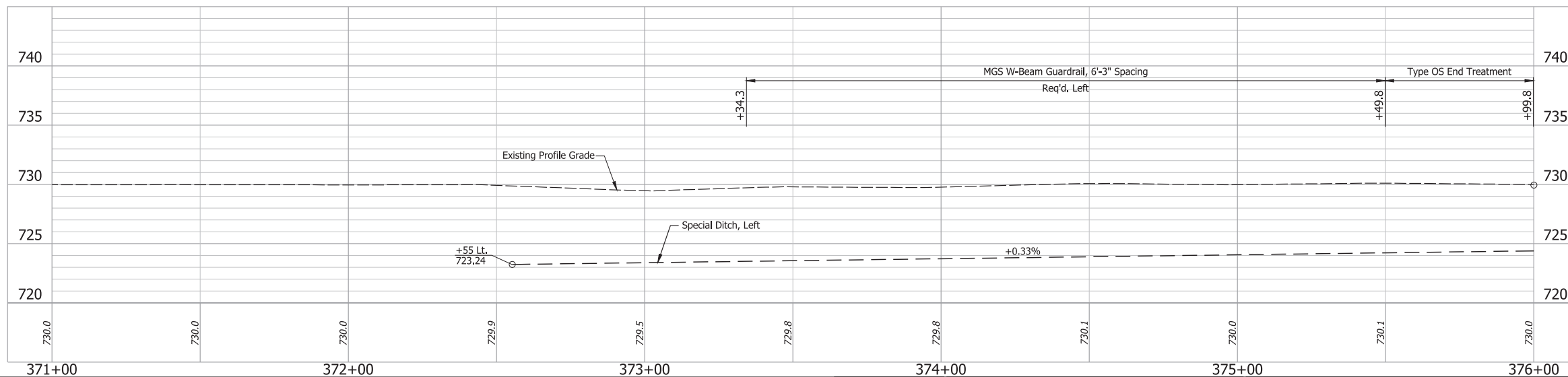
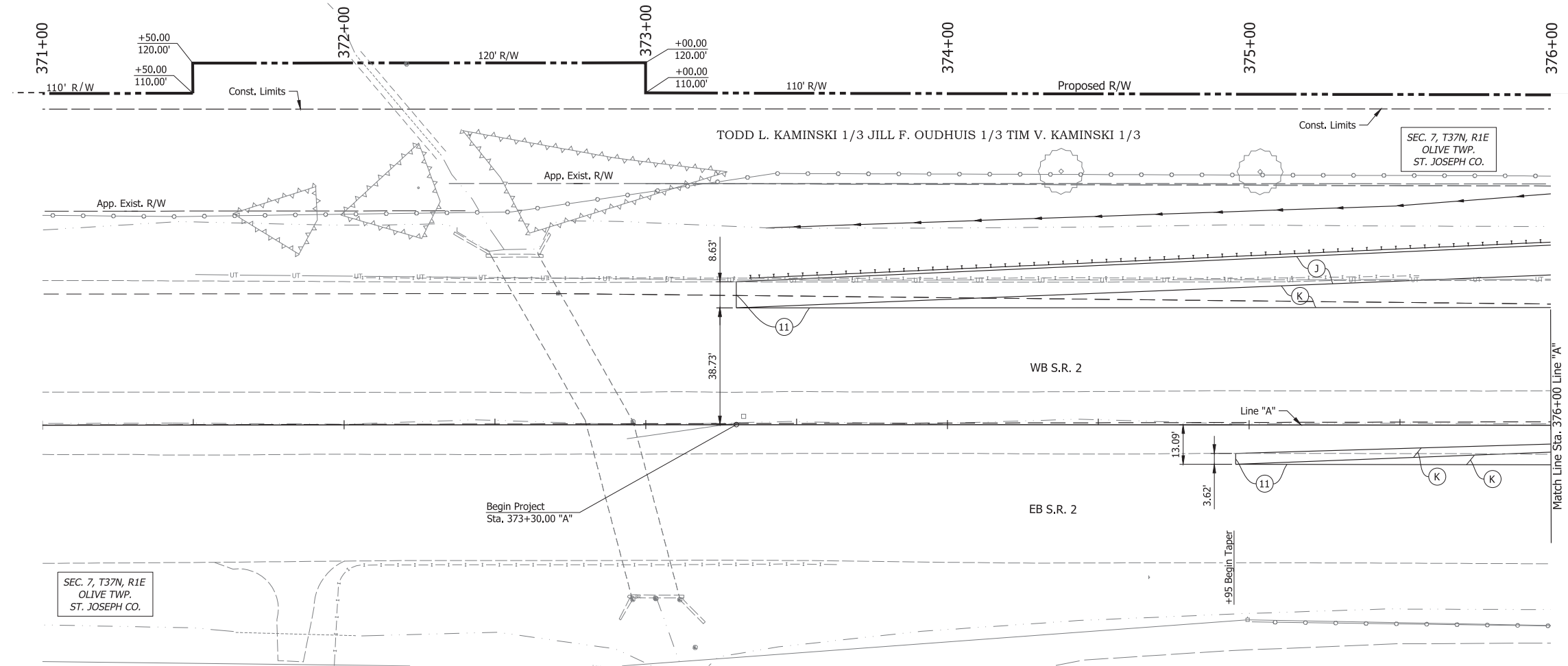
- LEGEND:**
- (31) Temporary Pavement Marking, Solid, White, 4 in., Removable
 - (51) Temporary Traffic Barrier, Type 2, Anchored
 - (52) Energy Absorbing Terminal, CZ, TL-2
 - Barrels
 - Traffic Flow
 - Construction Sign
 - Construction Area

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAG	DRAWN: BJS	
CHECKED: BSS	CHECKED: RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 2B**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 17 of 53
CONTRACT	PROJECT



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (11) Sawcut
 - (26) Sodding, Nursery

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

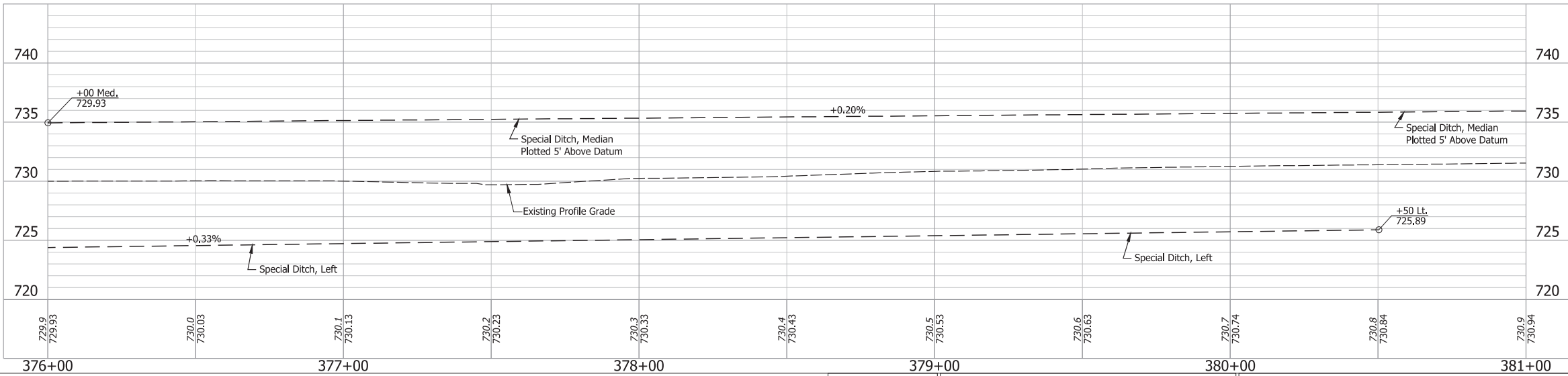
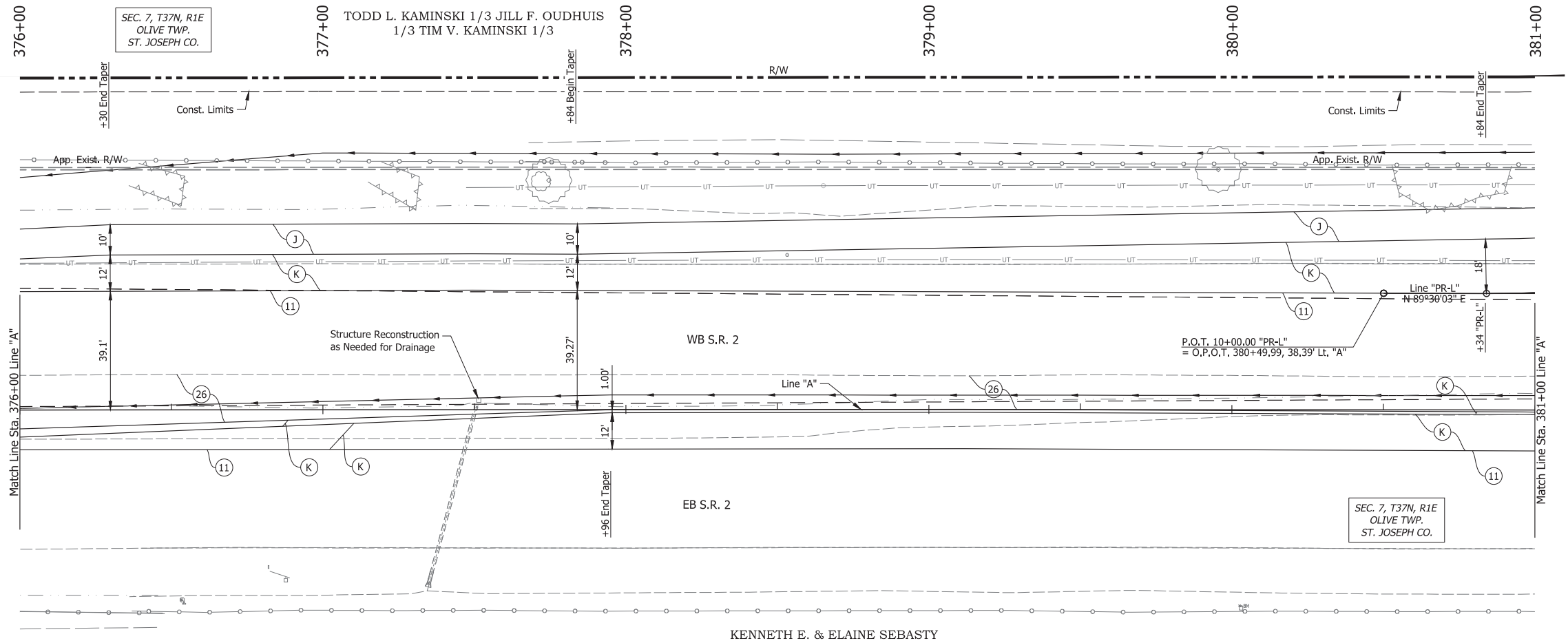
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**PLAN & PROFILE - LINE "A"
STA. 371+00 TO STA. 376+00**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 18 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:02am User Name: Sara Munroe
 File: X:\Production\Files\2023\122-3070\PC-01\CAD\Plan\PlanSet\Shk_RD_PlanProfile_Line A.dwg - (Line A, Sheet 01)



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (11) Sawcut
 - (26) Sodding, Nursery

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

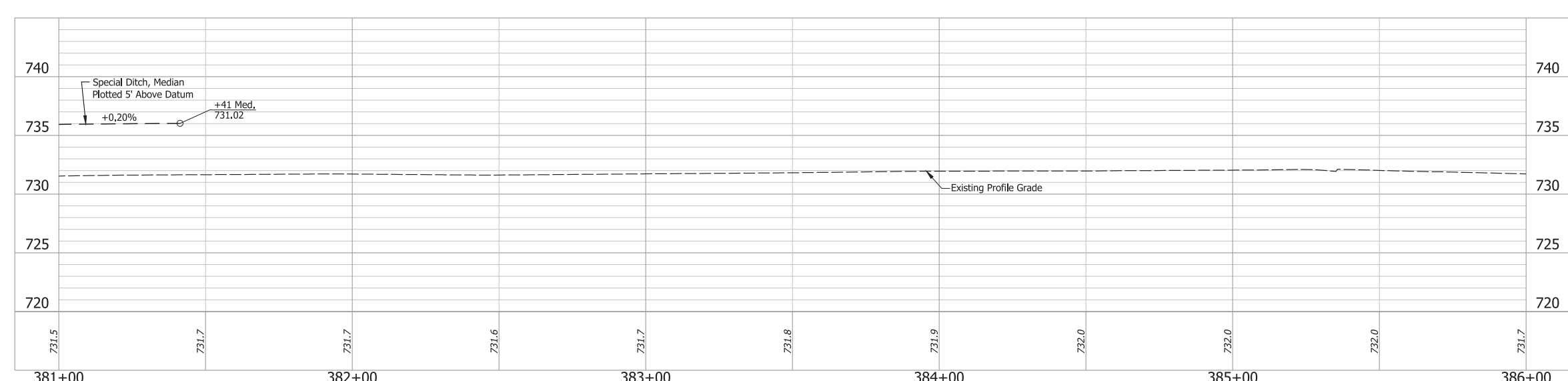
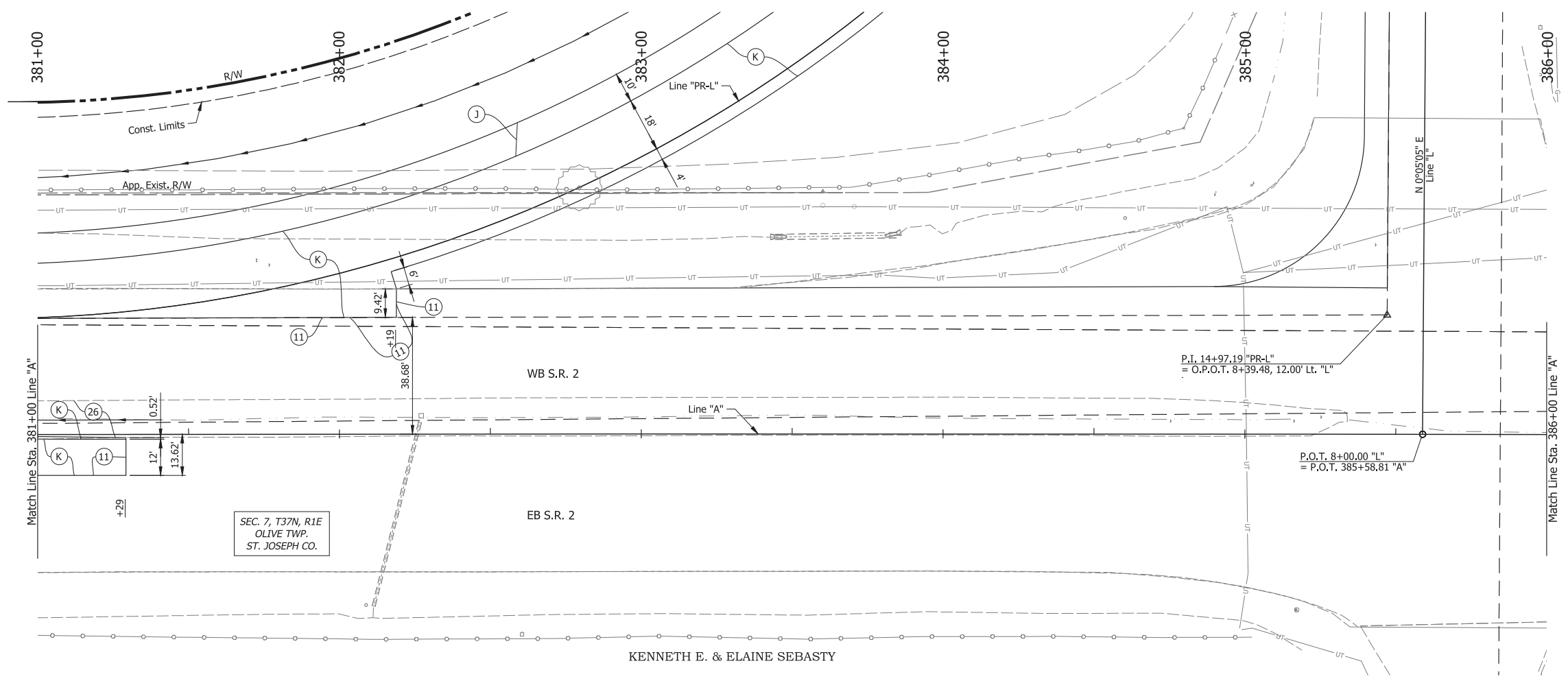
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**PLAN & PROFILE - LINE "A"
STA. 376+00 TO STA. 381+00**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 19 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:02am User Name: Sara Munroe
File: X:\Production\Files\2023\122-3078\PR-01\CAD\Plan\Set\Shc_R2_Plan\Profile_Line A.dwg - (Line A, Sheet 02)



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (11) Sawcut
 - (26) Sodding, Nursery

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

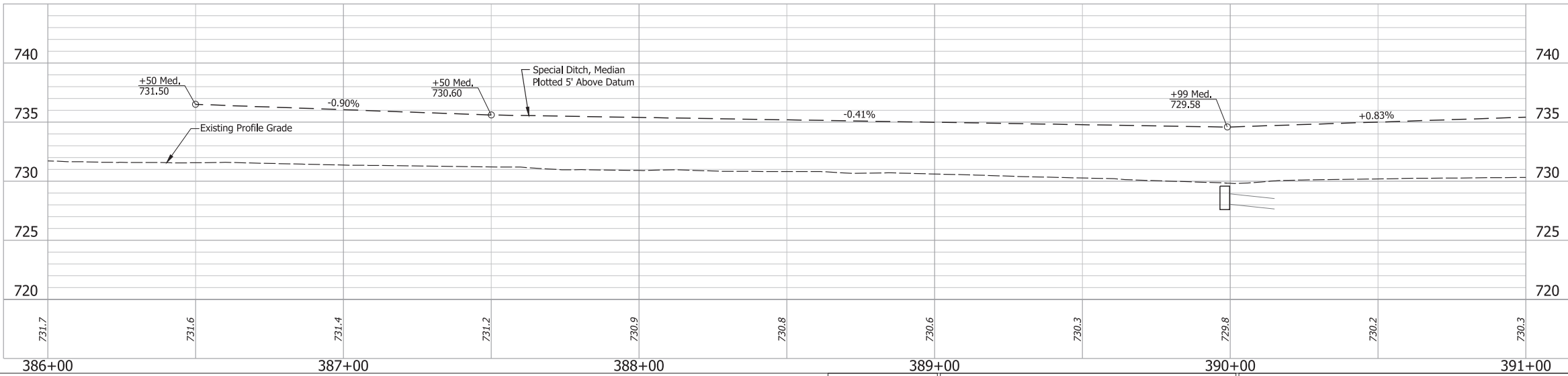
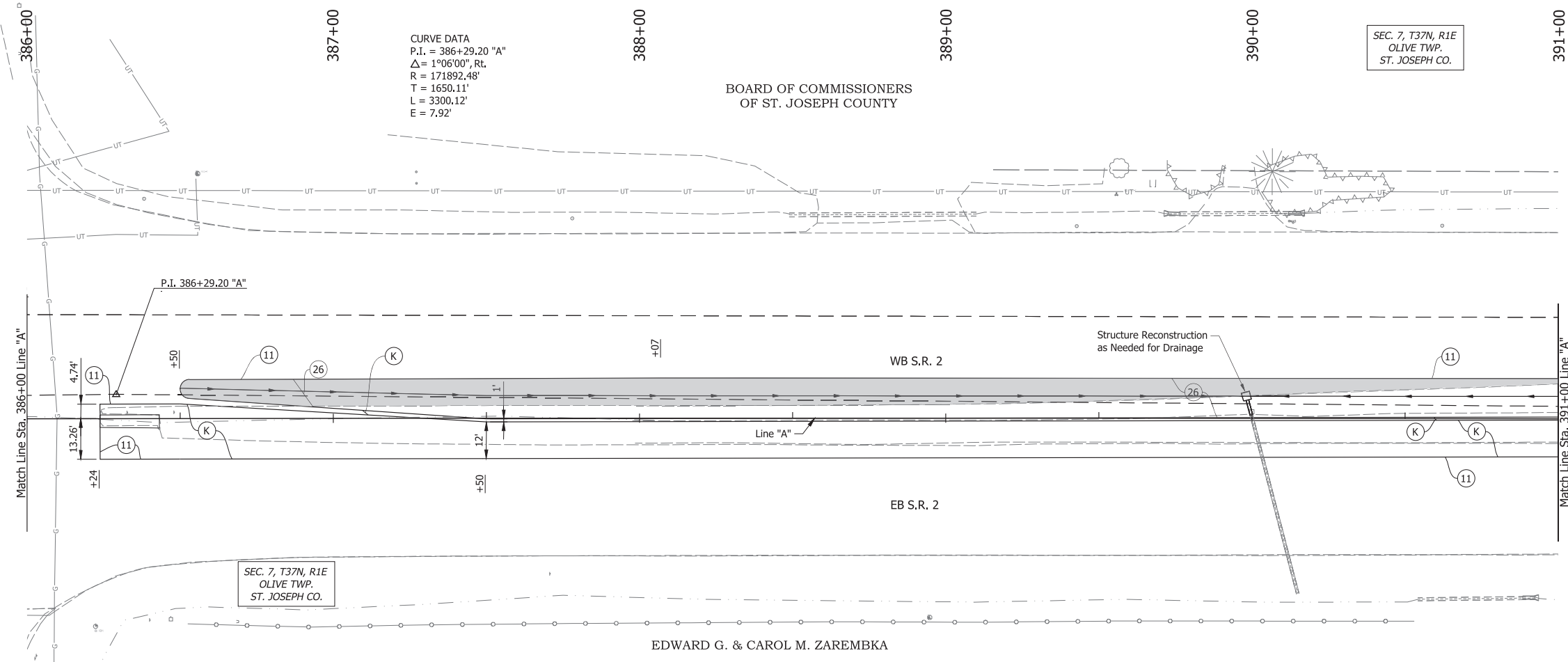
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**PLAN & PROFILE - LINE "A"
STA. 381+00 TO STA. 386+00**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 20 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:02am User Name: Sara Munise
File: X:\Production\Files\2023\122-3070\PRC-01\CAD\Plans\Set\Shk_RD_Plan\Profile_Line A.dwg - (Line A, Sheet (03))



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (11) Sawcut
 - (26) Sodding, Nursery

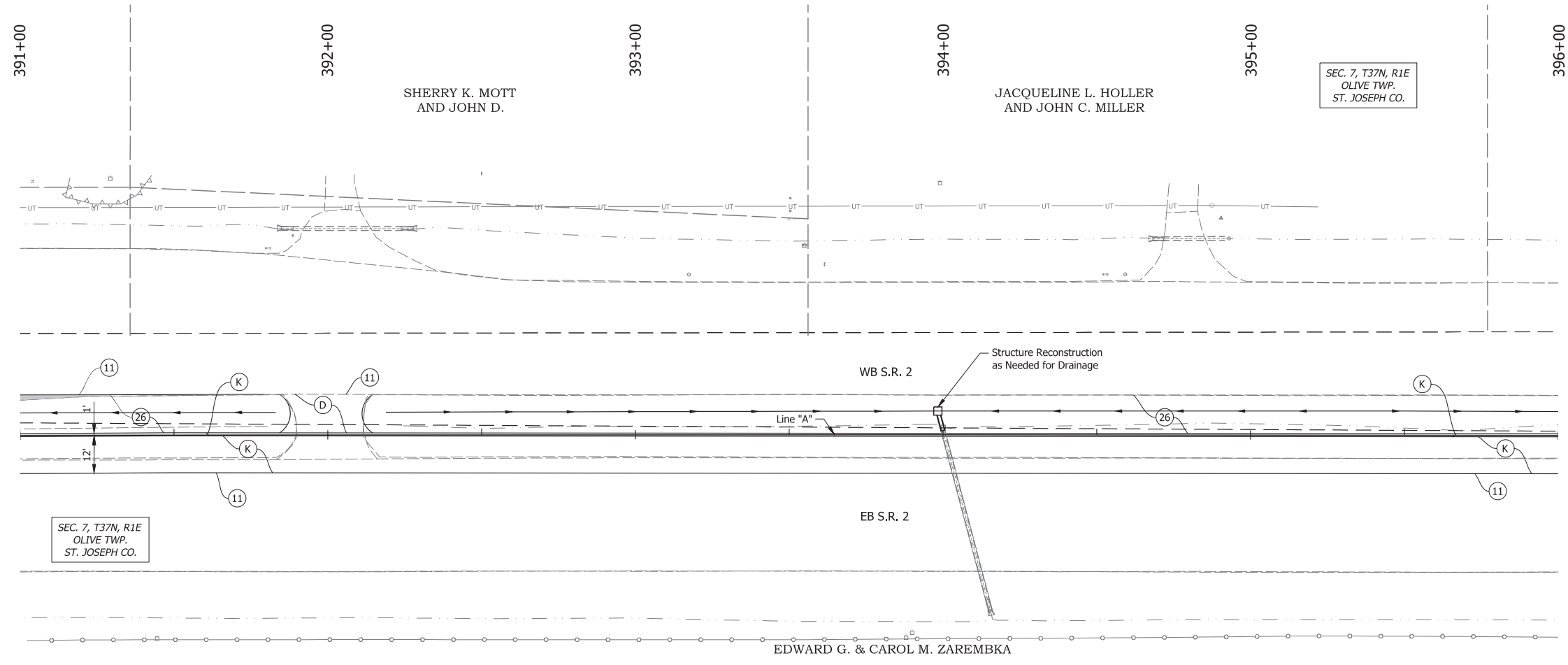
**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

ST. JOSEPH COUNTY
 DEPARTMENT OF ENGINEERING
 PLAN & PROFILE - LINE "A"
 STA. 386+00 TO STA. 391+00

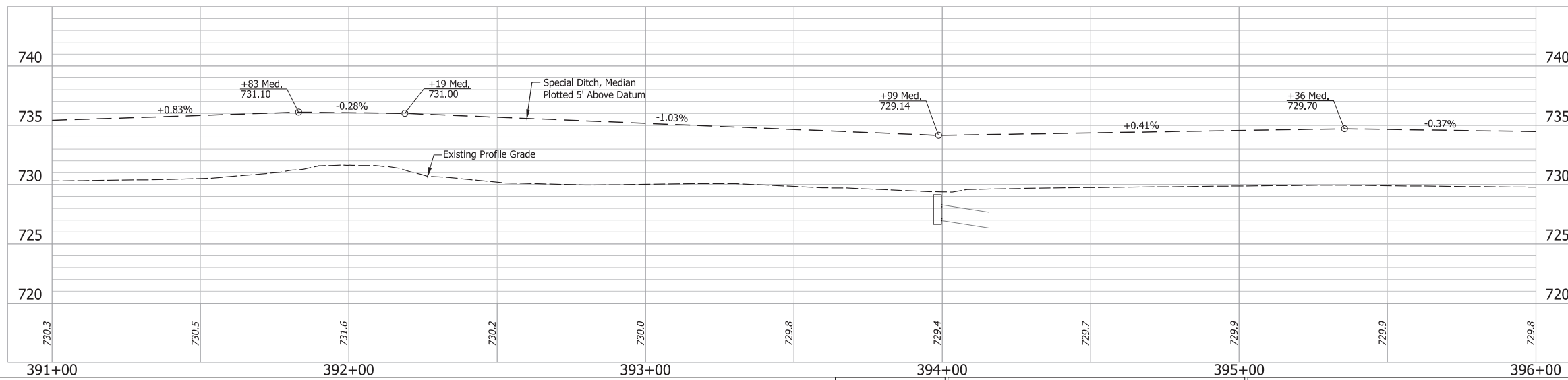
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 21 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:03am User Name: Sara Munroe
 File: X:\Production\Files\2023\122-3070\PC-01\CAD\Plans\Set\Shc_RD_Plan\Profile_Line A.dwg - (Line A, Sheet (01))



SEC. 7, T37N, R1E
OLIVE TWP.
ST. JOSEPH CO.

SEC. 7, T37N, R1E
OLIVE TWP.
ST. JOSEPH CO.



LEGEND:

- (D) HMA for Approaches, Type B
165 lbs/sys HMA Surface Type B on
385 lbs/sys HMA Intermediate Type B on
Subgrade Treatment Type II
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
330 lbs/sys HMA Intermediate, Type C on
770 lbs/sys HMA Base, Type C on
Subgrade Treatment, Type IC
- (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on
770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on
Subgrade Treatment, Type IC
- (11) Sawcut
- (26) Sodding, Nursery

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

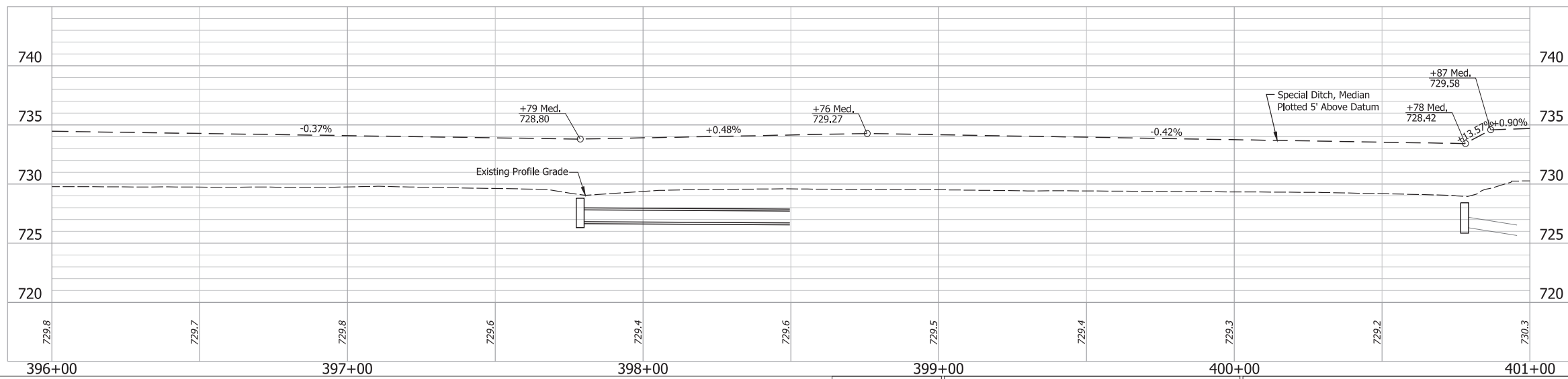
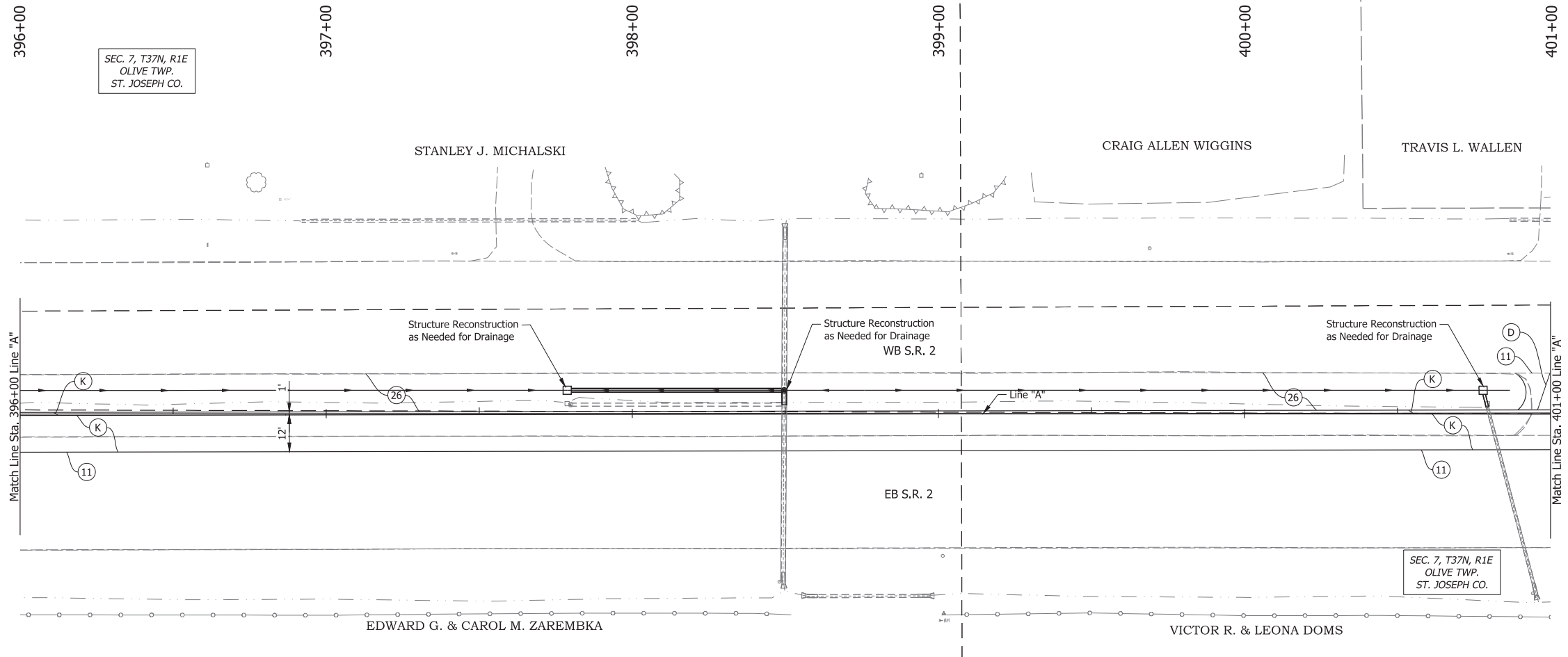
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SFM	DRAWN: DJG	
CHECKED: BSS	CHECKED: RJC	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

**PLAN & PROFILE - LINE "A"
STA. 391+00 TO STA. 396+00**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEET
ELECTRONIC	22 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:03am User Name: Sara Munroe
 File: X:\Production\Files\2023\122-3070\PC-01\CAD\Plan\Set\Shk_RD_Plan\Profile_Line A.dwg - (Line A, Sheet 05)



LEGEND:

- (D) HMA for Approaches, Type B
165 lbs/sys HMA Surface Type B on
385 lbs/sys HMA Intermediate Type B on
Subgrade Treatment Type II
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
330 lbs/sys HMA Intermediate, Type C on
770 lbs/sys HMA Base, Type C on
Subgrade Treatment, Type IC
- (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on
330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on
770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on
Subgrade Treatment, Type IC
- (11) Sawcut
- (26) Sodding, Nursery

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

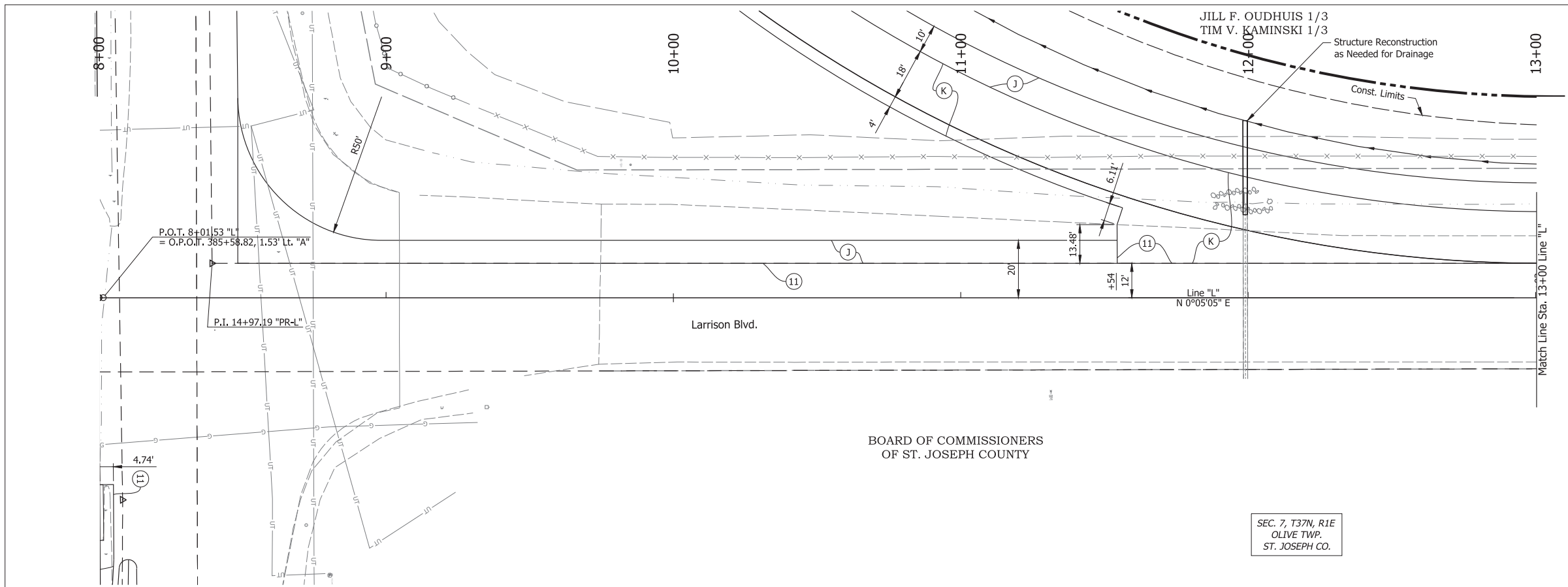
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**PLAN & PROFILE - LINE "A"
STA. 396+00 TO STA. 401+00**

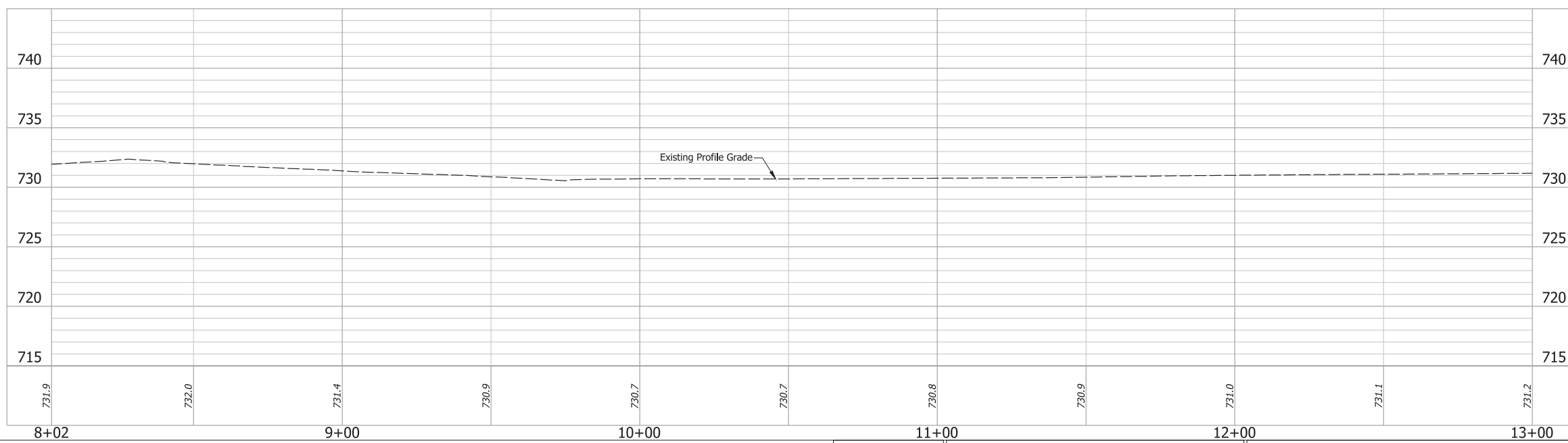
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 23 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:04am User Name: Sara Munroe
 File: X:\Production\Files\2023\122-3070\PC-01\CAD\Plan\Set\Shc_R2_Plan\Profile_Line A.dwg - (Line A, Sheet (06))



BOARD OF COMMISSIONERS
OF ST. JOSEPH COUNTY

SEC. 7, T37N, R1E
OLIVE TWP.
ST. JOSEPH CO.



LEGEND:

- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
- (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
- (M) Milling, Asphalt, 2 in.
- (R) 220 lbs/sys Qc/QA-HMA, 3, 70, Surface, 9.5 mm
- (11) Sawcut

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

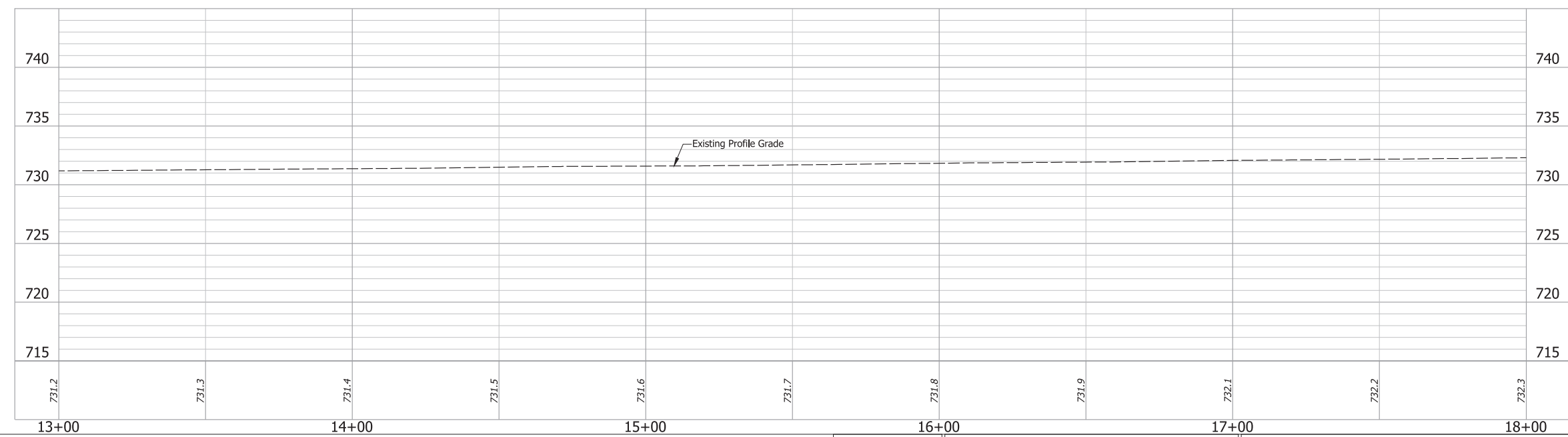
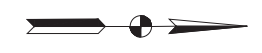
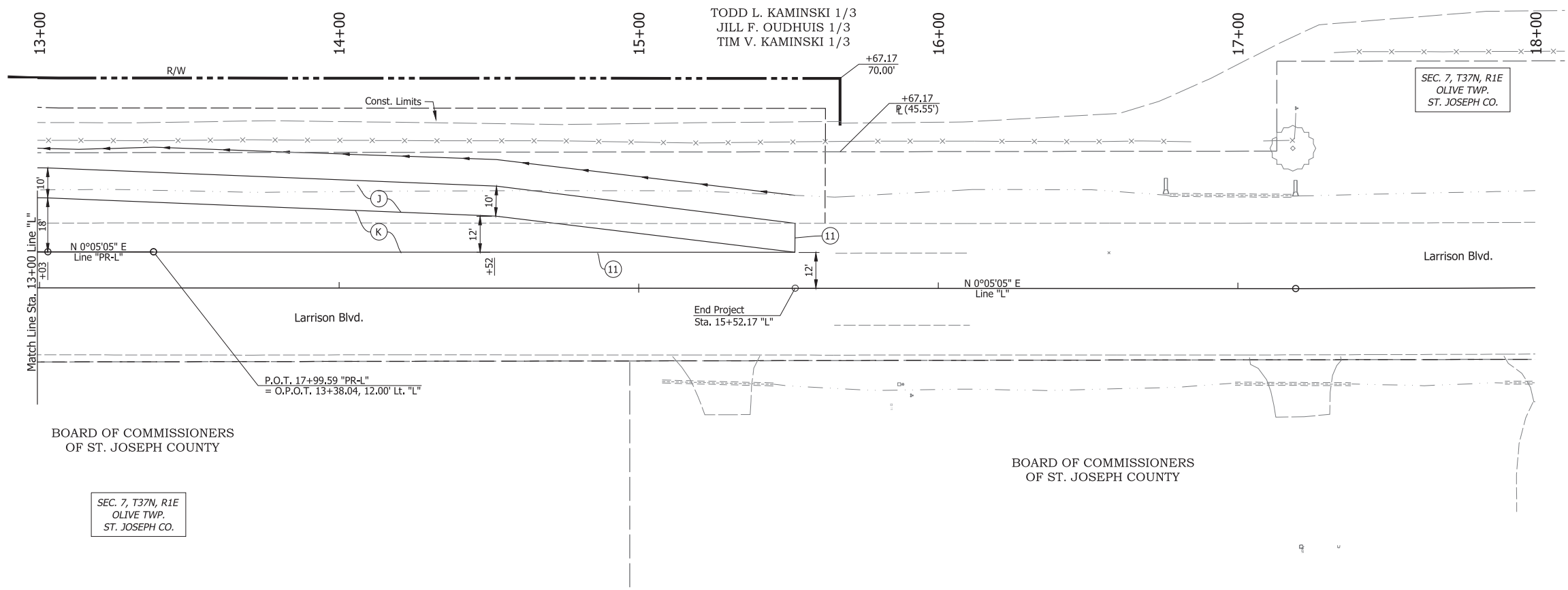
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

PLAN & PROFILE - LINE "L"
STA. 8+02 TO STA. 13+00

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 25 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023 11:04am User: Momo, Sara Munise
 File: X:\Production\Files\2022\122-3078\PRC-01\CAD\Plans\Set\SHL_RD_Plan\Profile_Line A.dwg - (Line L, Sheet 01)



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (M) Milling, Asphalt, 2 in.
 - (R) 220 lbs/sys Qc/QA-HMA, 3, 70, Surface, 9.5 mm
 - (11) Sawcut

Date: Jun 08, 2023, 11:05am User Name: Sara Munise
 File: X:\Production\Files\2023\122-3070\PRC-01\CAD\Plans\Set\Shk_RD_Plan\Profile_Line A.dwg - (Line 1, Sheet 02)

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

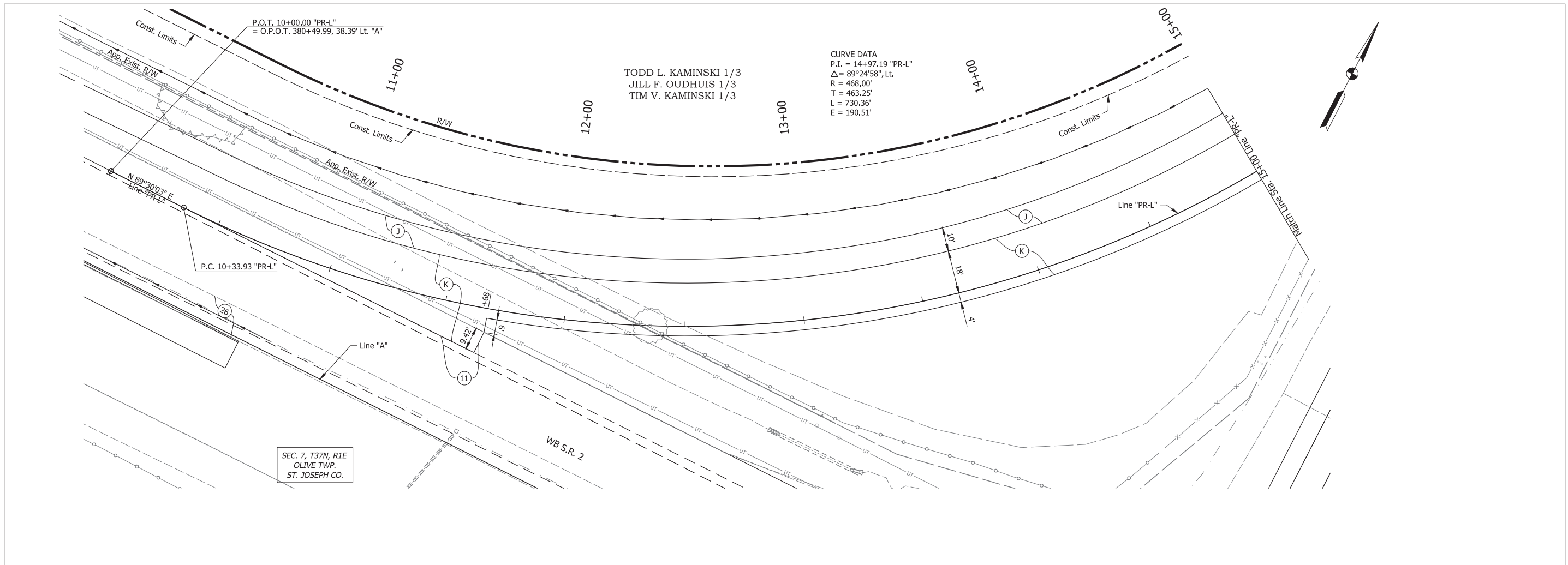
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SFM	DRAWN: DJG	
CHECKED: BSS	CHECKED: RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

PLAN & PROFILE - LINE "L"
STA. 13+00 TO STA. 18+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEET
ELECTRONIC	26 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023, 11:05am User Name: Sara Munroe
 File: X:\Production\Files\2023\122-3070\PR-01\CAD\Plan\Set\Shk_RD_Plan\Profile_Line A.dwg - (Line PR-L, Sheet 01)



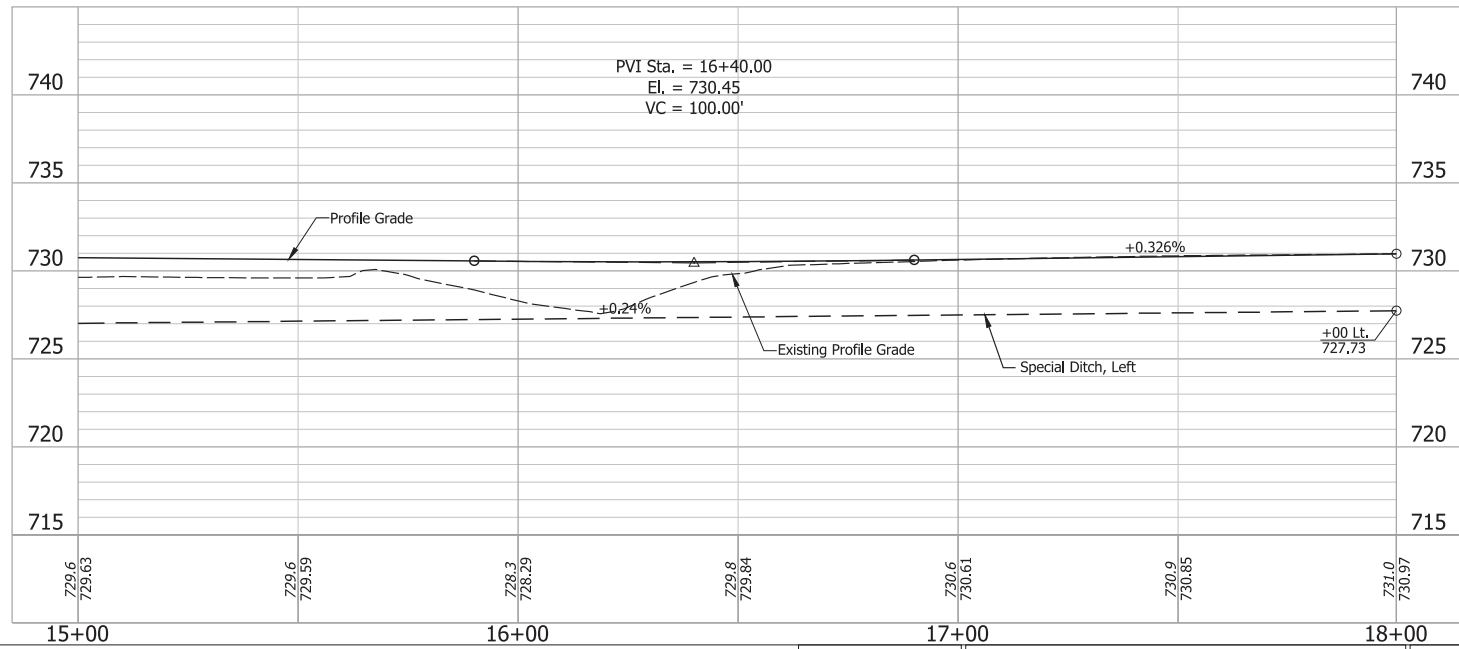
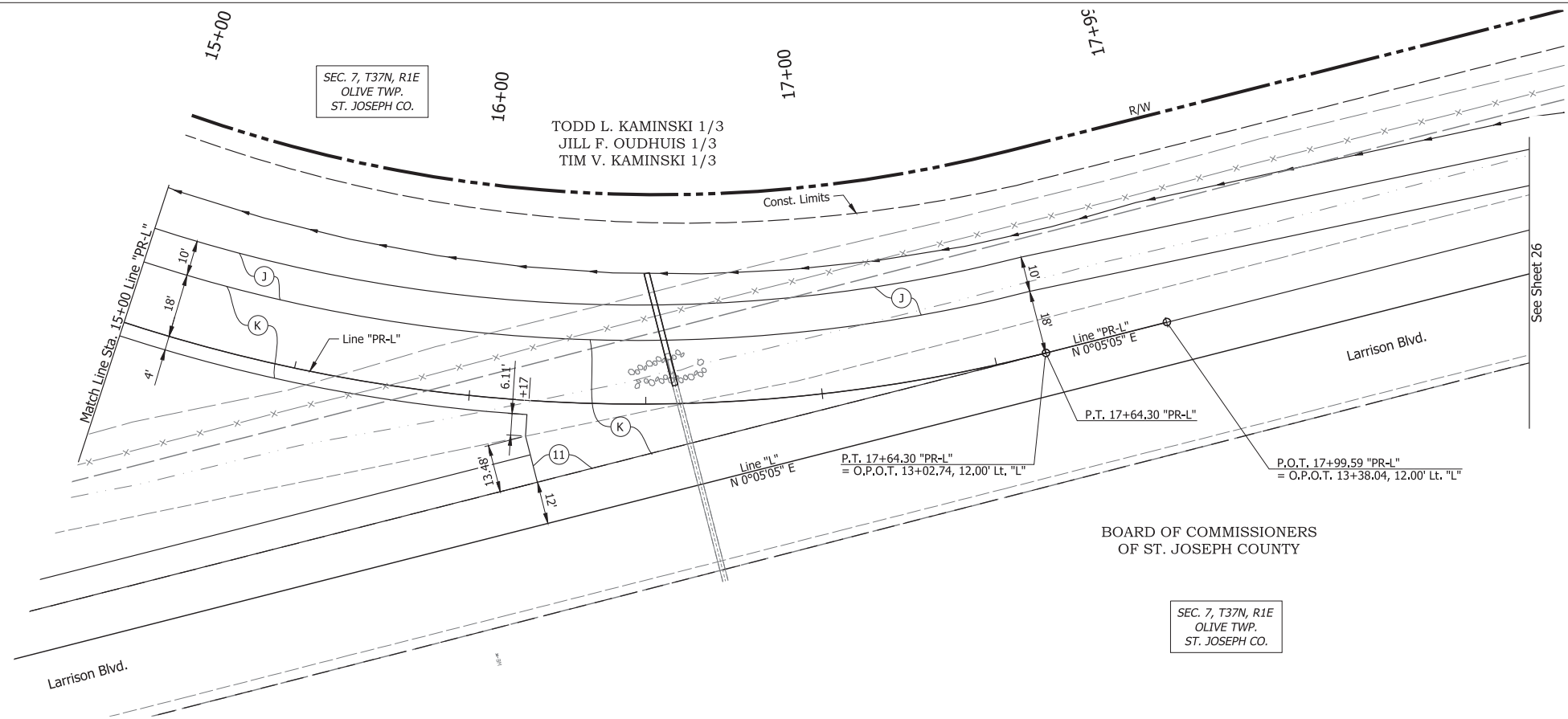
**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

**ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING**

**PLAN & PROFILE - LINE "PR-L"
STA. 10+00 TO STA. 15+00**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 27 of 53
CONTRACT	PROJECT



- LEGEND:**
- (J) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys HMA Intermediate, Type C on 770 lbs/sys HMA Base, Type C on Subgrade Treatment, Type IC
 - (K) 165 lbs/sys QC/QA HMA Surface, 4, 76, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 4, 76, 19.0mm on 770 lbs/sys QC/QA HMA Base, 4, 64, 19.0mm on Subgrade Treatment, Type IC
 - (11) Sawcut

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SFM	DRAWN: _____ DJG	
CHECKED: _____ BSS	CHECKED: _____ RJC	

ST. JOSEPH COUNTY
DEPARTMENT OF ENGINEERING

**PLAN & PROFILE - LINE "PR-L"
STA. 15+00 TO STA. 18+00**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK ELECTRONIC	SHEET 28 of 53
CONTRACT	PROJECT

Date: Jun 08, 2023 11:06am User Name: Sara Munise
 File: X:\Production\Files\2023\122-3078\PR-01\CAD\Plans\Set(S)C_L_R2_Plan\Profile_Line A.dwg - (Line PR-L Sheet (02))