

2E. Consideration of adopting Resolution 2023-33 approving the plans, specifications, and the advertisement of bids for the Pinewood Elementary Safe Routes to School Project.

Prepared by: Public Works Director/City Engineer	Meeting Date: 4/10/2023	<input checked="" type="checkbox"/> Consent Agenda Item <input type="checkbox"/> Regular Agenda Item
Reviewed by: Community Development Director, Finance Manager	Approved by: City Administrator	

ACTION REQUESTED

Motion to adopt Resolution 2023-33 approving the plans, specifications, and the advertisement of bids for the Pinewood Elementary Safe Routes to School Project.

PREVIOUS COUNCIL ACTION

August 8, 2022: Consideration of authorizing WSB to provide engineering services for the Pinewood Elementary Safe Routes to School Improvements project for a total cost of \$76,718.

November 14, 2022: Consideration of adopting a resolution authorizing the preparation of a feasibility study and a contract amendment for additional engineering services at a price of \$6,000.

January 23, 2023: Consideration of accepting the Feasibility Study and approval of not levying assessments for the construction of sidewalk gaps.

REFERENCE AND BACKGROUND

The Safe Routes to School plan completed in 2019 identified several infrastructure improvements and identified high, medium, and low priority projects. The project will complete all the high priority improvements in this area except for the addition of a sidewalk along Golf Course Road. It includes the following items:

- Addition of an enhanced pedestrian crossing at 3rd Street and Elm Street (CSAH 39) which will include curb-bump outs and rectangular rapid flashing beacons (RRFB's).
- Update existing curb ramps to be ADA compliant at 3 intersections on Elm Street including the intersections of Broadway Street, 3rd Street, and 4th Street. The project will also add sidewalk on the east side of Elm Street between Broadway Street and 6th Street.
- Construct sidewalk on 4th Street between Elm Street and Minnesota Street.

- Construct a sidewalk on 6th street between Elm Street and Minnesota Street.

The project is proposed to have a bid opening date in May 2023 pending MNDOT approval. MNDOT is currently reviewing the plans which will be updated to include their comments. Construction is expected to start in June with substantial completion in November 2023.

- I. **Budget Impact:** The estimated overall project budget is \$850,000 and the project will be partially funded from the \$500,000 Safe Routes to School funding received from MNDOT.
- II. **Staff Workload Impact:** City staff will be involved in the development of this project.
- III. **Comprehensive Plan Impact:** The Monticello 2040 Plan recognizes the need for continued system improvements in support of safer routes to school. The Implementation chapter of the Plan states the following strategy: “Work with Wright County and the Monticello School District to implement and address the issues identified in the Monticello Safe Routes to School Plan.”

STAFF RECOMMENDED ACTION

City staff recommends approval of the resolution. The project is in direct alignment with the City’s adopted Comprehensive Plan and Safe Routes to School Plan.

SUPPORTING DATA

- A. Resolution 2023-33
- B. Project Plans

**CITY OF MONTICELLO
WRIGHT COUNTY, MINNESOTA
RESOLUTION NO. 2023-33**

**APPROVING PLANS AND SPECIFICATIONS AND
AUTHORIZING ADVERTISEMENT FOR
BIDS FOR THE PINWOOD ELEMENTARY SAFE ROUTES TO SCHOOL PROJECT**

WHEREAS, pursuant to resolution approved by the City Council on January 23, 2023, WSB has prepared plans and specifications for the Pinewood Elementary Safe Routes to School Project which include the following improvement; and other necessary appurtenant work as detailed in the Feasibility Report:

- Addition of an enhanced pedestrian crossing at 3rd Street and Elm Street (CSAH 39) which will include curb-bump outs and rectangular rapid flashing beacons (RRFB's).
- Update existing curb ramps to be ADA compliant at 3 intersections on Elm Street including the intersections of Broadway Street, 3rd Street, and 4th Street. The project will also add sidewalk on the east side of Elm Street between Broadway Street and 6th Street.
- Construct sidewalk on 4th Street between Elm Street and Minnesota Street.
- Construct a sidewalk on 6th street between Elm Street and Minnesota Street.

WHEREAS, the City Engineer has presented such plans and specifications to the Council for approval;

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF MONTICELLO:

1. Such plans and specifications, a copy of which is on file in the office of the City Clerk, are hereby approved.
2. The designated authority shall prepare and cause to be inserted in the official paper and in a recognized industry trade journal an advertisement for bid upon the making of such improvement under such approved plans and specifications. The advertisement shall be published no less than three weeks before the last day for submission of bids, once in the City's legal publication and at least once in either a newspaper published in a city of the first class or a trade paper. To be eligible as a trade paper, a publication shall have all the qualifications of a legal newspaper except that, instead of the requirement that it shall contain general and local news, such trade paper shall contain building and construction news of interest to contractors in this state, among whom it shall have a general circulation.

Any bidder whose responsibility is questioned during consideration of the bid will be given an opportunity to address the Council on the issue of responsibility. No bids will be considered unless sealed and filed as set forth in the instructions to bidders in compliance with the requirements of electronic bidding and bid security.

ADOPTED BY the Monticello City Council this 10th day of April, 2023.

CITY OF MONTICELLO

ATTEST:

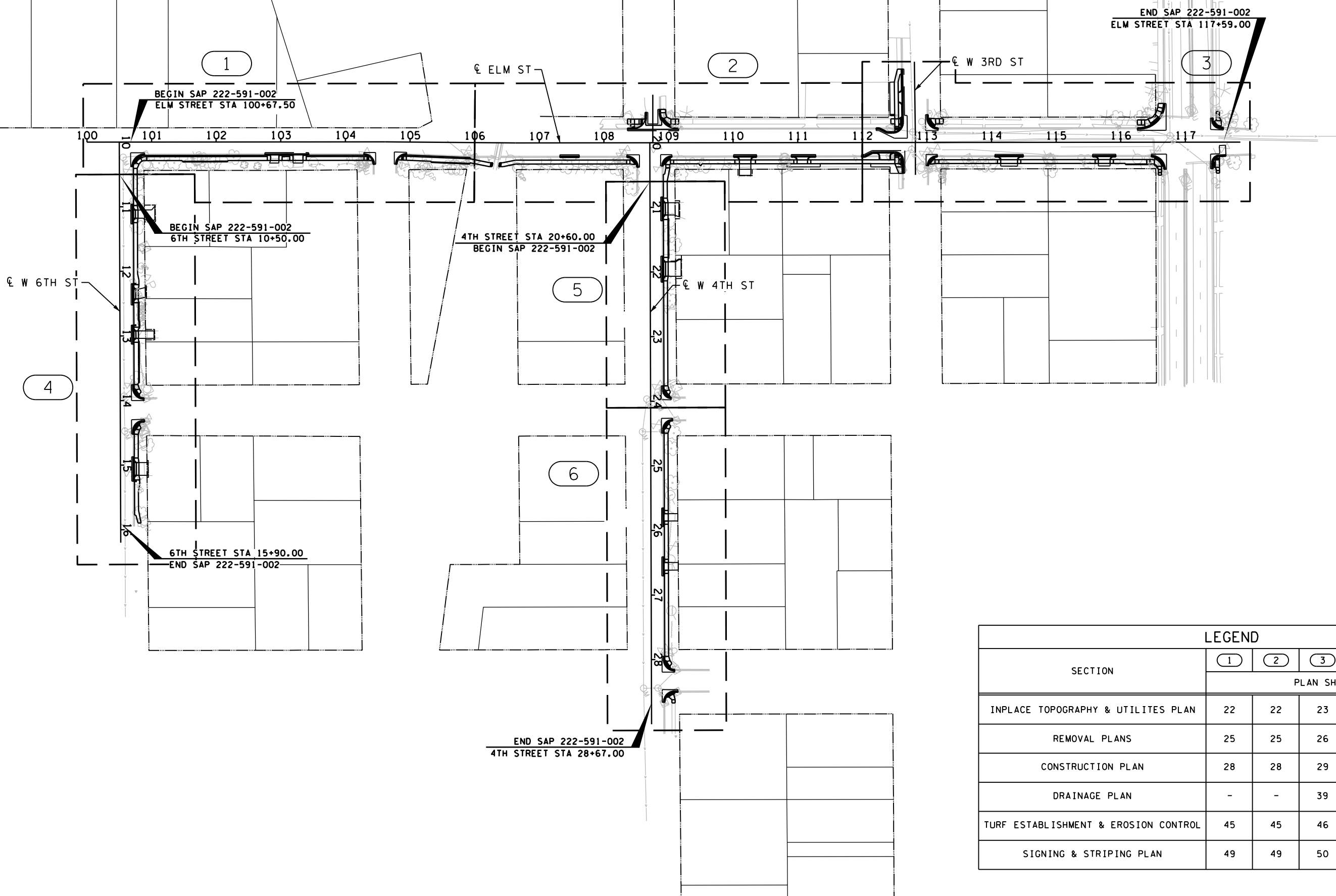
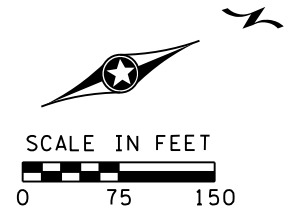
Lloyd Hilgart, Mayor

Jennifer Schreiber, City Clerk

DRAFT

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000.g101.dgn



LEGEND						
SECTION	(1)	(2)	(3)	(4)	(5)	(6)
	PLAN SHEET NUMBER					
INPLACE TOPOGRAPHY & UTILITES PLAN	22	22	23	23	24	24
REMOVAL PLANS	25	25	26	26	27	27
CONSTRUCTION PLAN	28	28	29	29	30	30
DRAINAGE PLAN	-	-	39	-	-	-
TURF ESTABLISHMENT & EROSION CONTROL	45	45	46	46	47	47
SIGNING & STRIPING PLAN	49	49	50	50	51	51

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
 DATE: 3/16/2023 LICENSE: 56164



MONTICELLO, MINNESOTA

GENERAL LAYOUT
SAP 222-591-002

SHEET
2
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_est01.dgn

ESTIMATED QUANTITIES										
TAB	SHEET	ITEM NUMBER	DESCRIPTION	NOTES	UNITS	PROJECT TOTAL	SAP 222-591-002 ROADWAY	SAP 222-591-002 STORM SEWER	NON-PARTICIPATING LOCAL FUNDS WATERMAIN	NON-PARTICIPATING WRIGHT COUNTY
							QUANTITY	QUANTITY	QUANTITY	QUANTITY
C	5	2521.518	4" CONCRETE WALK		SQ FT	15388	15388			
C	5	2521.518	4" CONCRETE WALK SPECIAL	3	SQ FT	838	838			
C	5	2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)		EACH	129	129			
C	5	2521.618	CONCRETE CURB RAMP WALK		SQ FT	3270	3270			
C	5	2531.503	CONCRETE CURB AND GUTTER DESIGN B612		LIN FT	212	212			
C	5	2531.503	CONCRETE CURB AND GUTTER DESIGN B618		LIN FT	1372	1372			
C	5	2531.504	6" CONCRETE DRIVEWAY PAVEMENT		SQ YD	498	498			
C	5	2531.618	TRUNCATED DOMES		SQ FT	512	512			
		2540.602	MAIL BOX SUPPORT	4	EACH	3			3	
		2540.603	INSTALL RETAINING WALL	1	LIN FT	60	60			
		2540.618	STONE RETAINING WALL		SQ FT	599	599			
		2540.618	BRICK RETAINING WALL	5	SQ FT	20	20			
		2563.601	TRAFFIC CONTROL		LUMP SUM	1	0.70	0.03	0.11	0.16
J	48	2564.502	INSTALL SIGN PANEL TYPE SPECIAL		EACH	8	8			
I	48	2564.618	SIGN		SQ FT	97	97			
I	48	2564.618	SIGN PANEL		SQ FT	8	8			
		2565.616	PEDESTRIAN CROSSWALK FLASHER SYSTEM		SYSTEM	1	1			
		2565.616	REVISE SIGNAL SYSTEM		SYSTEM	1			0.25	0.75
		2571.502	DECIDUOUS TREE 2" CAL B&B	6	EACH	12	12			
D	6	2573.502	STORM DRAIN INLET PROTECTION		EACH	22	22			
D	6	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER		LIN FT	2908	2908			
D	6	2575.504	SODDING TYPE LAWN		SQ YD	1682	1682			
D	6	2575.508	HYDRAULIC STABILIZED FIBER MATRIX		POUND	2089	2089			
K	48	2582.503	24" SOLID LINE PREFORM THERMO GROUND IN		LIN FT	106	106			
K	48	2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN		SQ FT	1110	1110			

NOTES

1. TO BE USED FOR LANSCAPE RETAINING WALLS AND WALL ALONG DRIVEWAY AT 713 4TH STREET PROPERTY.
 2. TO BE USED ALONG ELM STREET AT 724 5TH ST PROPERTY.
 3. TO BE COLORED RED, SEE SPECIFICATIONS.
 4. SEE SHEET 11 FOR DETAIL.
 5. TO BE USED IF EXTRA MATERIAL IS NEEDED FOR INSTALLING RETAINING WALL AT 713 4TH STREET PROPERTY.
 6. TO BE USED TO REPLACE REMOVED TREES AND PLACED AS DIRECTED BY THE ENGINEER.
- (P) DENOTES PLAN QUANTITY.

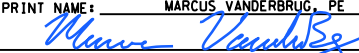
BASIS FOR QUANTITIES

UNIT WEIGHT OF BITUMINOUS MIX:
 - 2360 MIX.....113 LBS/SY-IN
 TACK COAT
 - ALL SURFACES.....0.05 GAL/SY

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE

 DATE: 3/16/2023 LICENSE: 56164



MONTICELLO, MINNESOTA

ESTIMATED QUANTITIES
SAP 222-591-002

CONSTRUCTION AND SOIL NOTES

1. TOP OF THE GRADING GRADE IS DEFINED AS THE BOTTOM OF THE CLASS 5 AGGREGATE BASE.
2. WHERE CONNECTING TO IN-PLACE ROADWAYS AT THE TERMINI OF PROPOSED NEW CONSTRUCTION, CUT VERTICALLY TO THE BOTTOM OF THE IN-PLACE SURFACING, THEN AT A 1(V):20(H) TAPER TO THE BOTTOM OF THE RECOMMENDED SUBGRADE EXCAVATION.
3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF PRIVATE UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR WILL CALL GOPHER STATE ONE A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION.
4. THE CONSTRUCTION LIMITS AS SHOWN IN THE PLANS REPRESENT THE POINT OF INTERSECTION BETWEEN THE REQUIRED FILL OR CUT SLOPE. THE CONSTRUCTION LIMITS DO NOT INCLUDE AREAS REQUIRED FOR SLOPE ROUNDING.
5. ANY DEBRIS WHICH MAY BE ENCOUNTERED DURING GRADING SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE PROJECT RIGHT OF WAY IN A SUITABLE DISPOSAL AREA AS APPROVED BY THE ENGINEER (INCIDENTAL).
6. OBTAIN COMPACTION OF THE GRADING AND AGGREGATE PORTIONS OF ROADWAY CONSTRUCTION IN ACCORDANCE WITH THE "PENETRATION INDEX METHOD" REQUIREMENTS.
7. OBTAIN COMPACTION OF THE WALKWAY PORTIONS OF CONSTRUCTION IN ACCORDANCE WITH THE "QUALITY COMPACTION METHOD" REQUIREMENTS. (INCIDENTAL)
8. NO EXTRA PAYMENT WILL BE MADE FOR MOVING, PLACING, OR TEMPORARY STOCKPILING OF EXCAVATION, EMBANKMENT AND/OR BORROW MATERIAL.
9. UNLESS OTHERWISE SPECIFICALLY ALLOWED OR REQUIRED BY THE CONTRACT, BITUMINOUS AND CONCRETE ITEMS DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND MAY BE RECYCLED OR DISPOSED OF OFF THE RIGHT OF WAY.
10. PROVIDE A UNIFORM TACK COAT AS DOCUMENTED IN THE MOST CURRENT SPEC. 2357 - BITUMINOUS TACK COAT REQUIREMENTS, WHICH SHALL BE INCIDENTAL.
11. PIPE SEWERS CONNECTING MANHOLES AND CATCH BASINS SHALL BE IN ACCORDANCE WITH SPEC. 2503. BEDDING AND BACKFILL SHALL CONSIST OF UNIFORM COMMON EMBANKMENT MATCHING ADJACENT SOILS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. TEMPORARY EROSION CONTROL - TEMPORARY EROSION CONTROL DEVICES AND THEIR SUGGESTED LOCATIONS HAVE BEEN SHOWN IN THE PLANS ALONG WITH PAY ITEMS FOR THEIR USE. THIS DOES NOT HOWEVER RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO CONDUCT HIS CONSTRUCTION IN A MANNER THAT WILL CONTROL EROSION. RESPONSIBILITY FOR CONTROLLING EROSION AND MAINTENANCE OF EROSION CONTROL AS SET IN MNDOT SPECIFICATIONS 1717, 1803, 2101, 2105, 2573, 2575, AND IS AMENDED BY THE SPECIAL PROVISIONS.
13. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT	
MNDOT STANDARD PLATES	
PLATE NO.	DESCRIPTION
1103L	TYPICAL DOWEL BAR ASSEMBLY (2 SHEETS)
4108F	ADJUSTING RINGS FOR CATCH BASINS AND MANHOLES
4132F	CATCH BASIN FRAME CASTING (FOR SQUARE GRATE) - CASTING NO. 805
4154B	CATCH BASIN GRATE CASTING - CASTING NO. 816
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOMES
7100H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)
8000K	TEMPORARY CHANNELIZERS (3 SHEETS)
8111E	TRAFFIC SIGNAL BRACKETING (PEDESTAL MOUNTED) (3 SHEETS)
8112I	PEDESTAL FOUNDATION (TRAFFIC CONTROL SIGNALS)
8120Q	POLE FOUNDATION (PA85)
8122F	PEDESTAL AND PEDESTAL BASE (FOR TRAFFIC CONTROL SIGNALS SUPPORT)
8123G	POLE AND MAST ARM - LUMINAIRES AND TRAFFIC LIGHTS ASSEMBLY (FOR ALL
8126L	POLE FOUNDATION (PA90 AND PA100)
8129A	SHIM AND WASHER (TRAFFIC CONTROL SIGNALS AND ROADWAY LIGHTING)

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_scr01.dgn

NO.	DATE	BY	CHK	REVISIONS

Design By:	MKV	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Plan By:	MKV	PRINT NAME: MARCUS VANDERBRUG, PE
Checked By:	KH	<i>Marcus Vanderbrug</i>
Approved By:	MKV	DATE: 3/16/2023 LICENSE: 56164



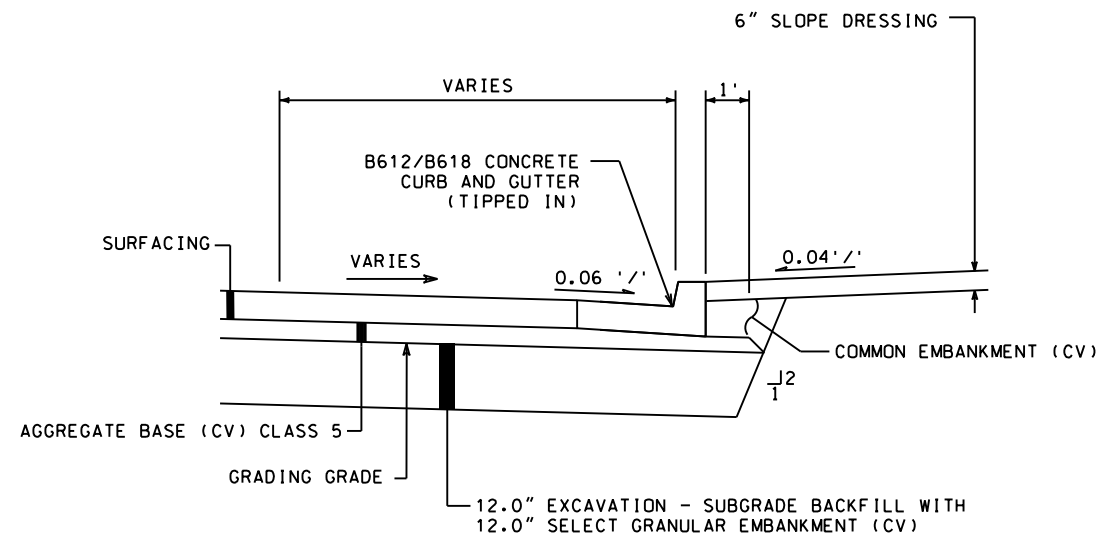
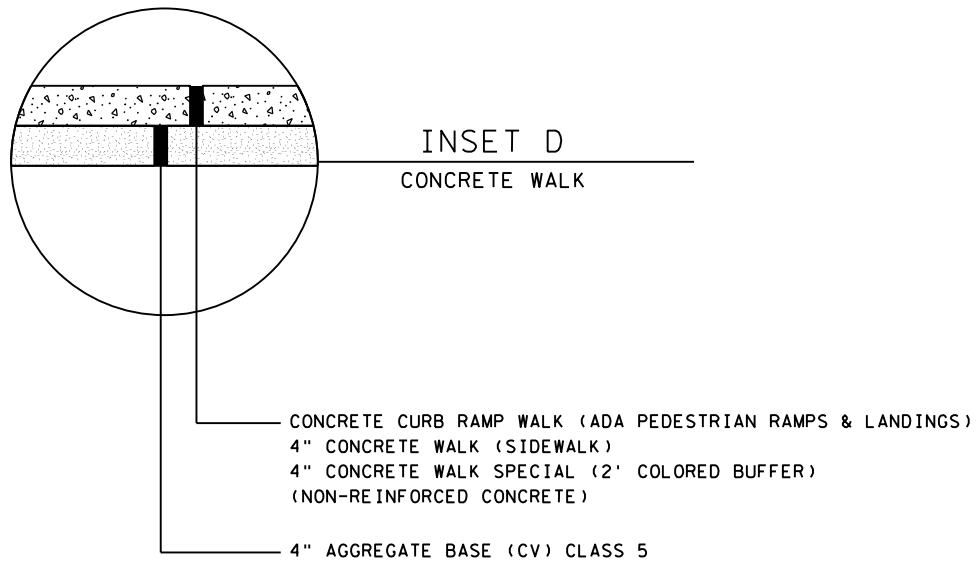
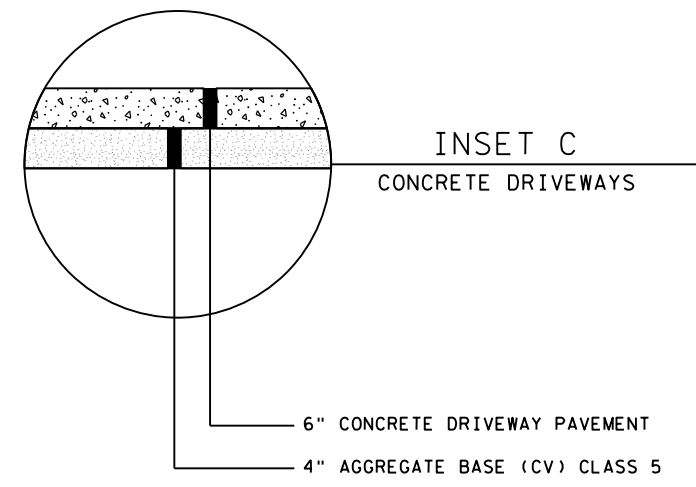
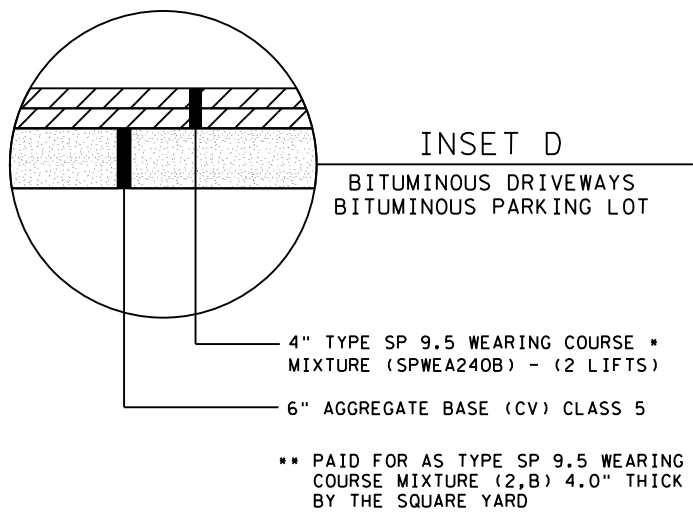
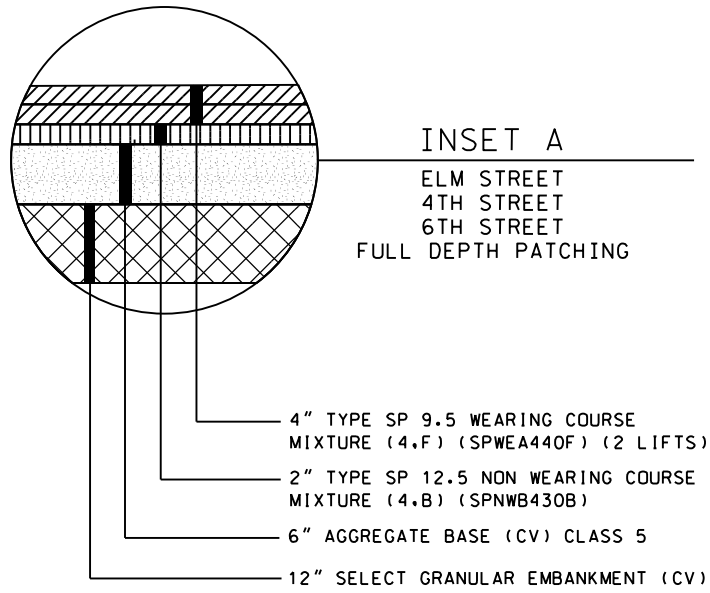
MONTICELLO, MINNESOTA

SOILS AND CONSTRUCTION NOTES
SAP 222-591-002

SHEET
7
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_1.s01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By:	MKV	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: <u>MARCUS VANDERBRUG, PE</u> <u>Marcus Vanderbrug</u> DATE: <u>3/16/2023</u> LICENSE: <u>56164</u>
Plan By:	MKV	
Checked By:	KH	
Approved By:	MKV	



Elm Street Improvements: SRTS
 Monticello, Minnesota

MONTICELLO, MINNESOTA
 INSETS & DETAILS
TYPICAL SECTIONS
 SAP 222-591-002

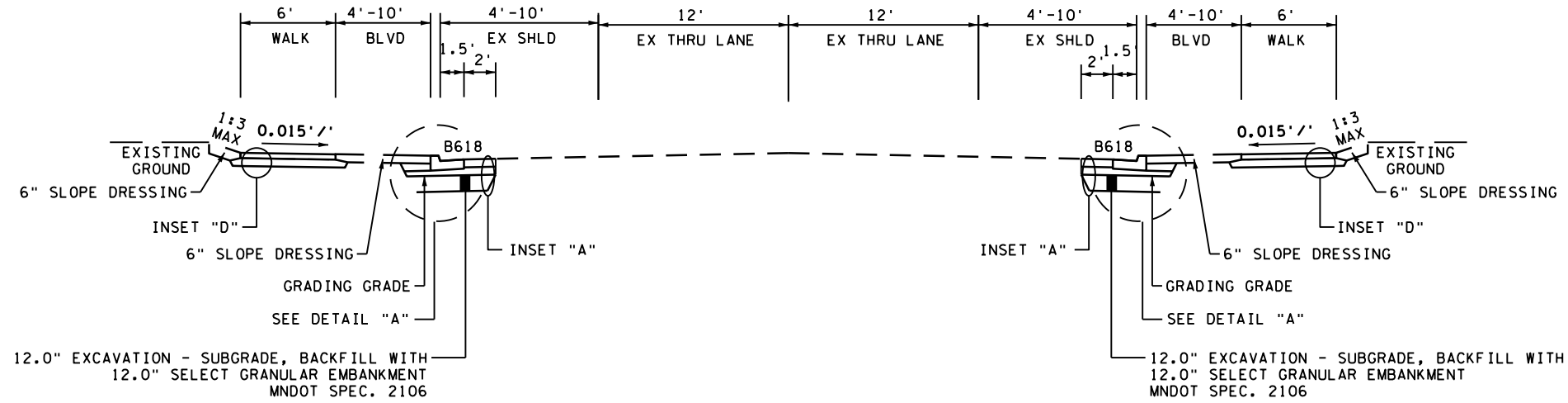
SHEET
9
 OF
60
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_1.s01.dgn

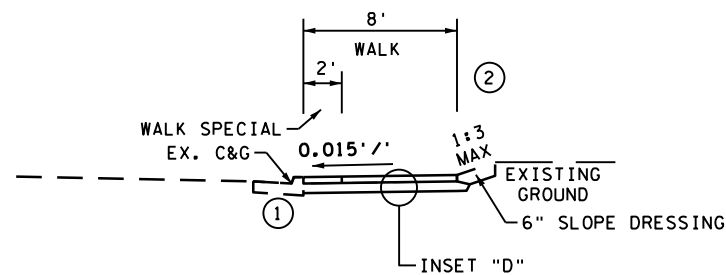
ELM STREET

STA 108+36.52 TO STA 109+15.80
STA 111+98.84 TO STA 112+80.00



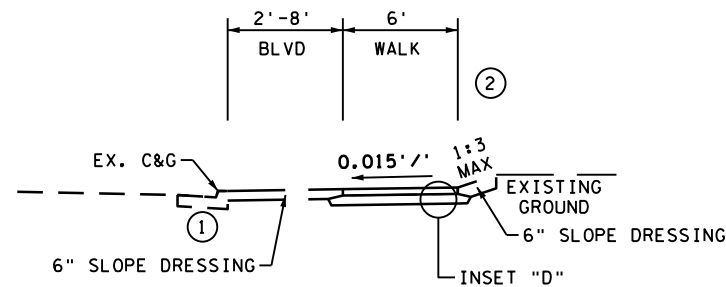
ELM STREET

STA 100+67.54 TO STA 105+93.60



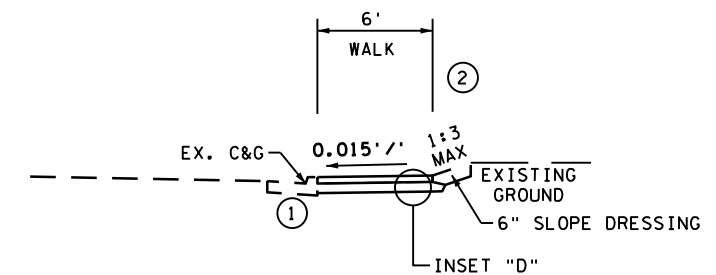
ELM STREET

STA 105+93.60 TO STA 108+36.52
STA 109+15.80 TO STA 111+98.84
STA 112+80.00 TO STA 117+58.00



6TH STREET 4TH STREET

STA 10+38.10 TO STA 15+89.70
STA 20+36.07 TO STA 28+67.10



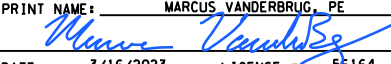
SPECIFIC NOTES:

- ① SEE CONSTRUCTION PLAN FOR CURB AND GUTTER REPLACEMENT AREAS.
- ② RETAINING WALLS AT VARIOUS LOCATIONS. SEE RETAINING WALL PLANS FOR DETAILS.

GENERAL NOTES:

- ALL CROSS SLOPES ARE IN FEET / FOOT.

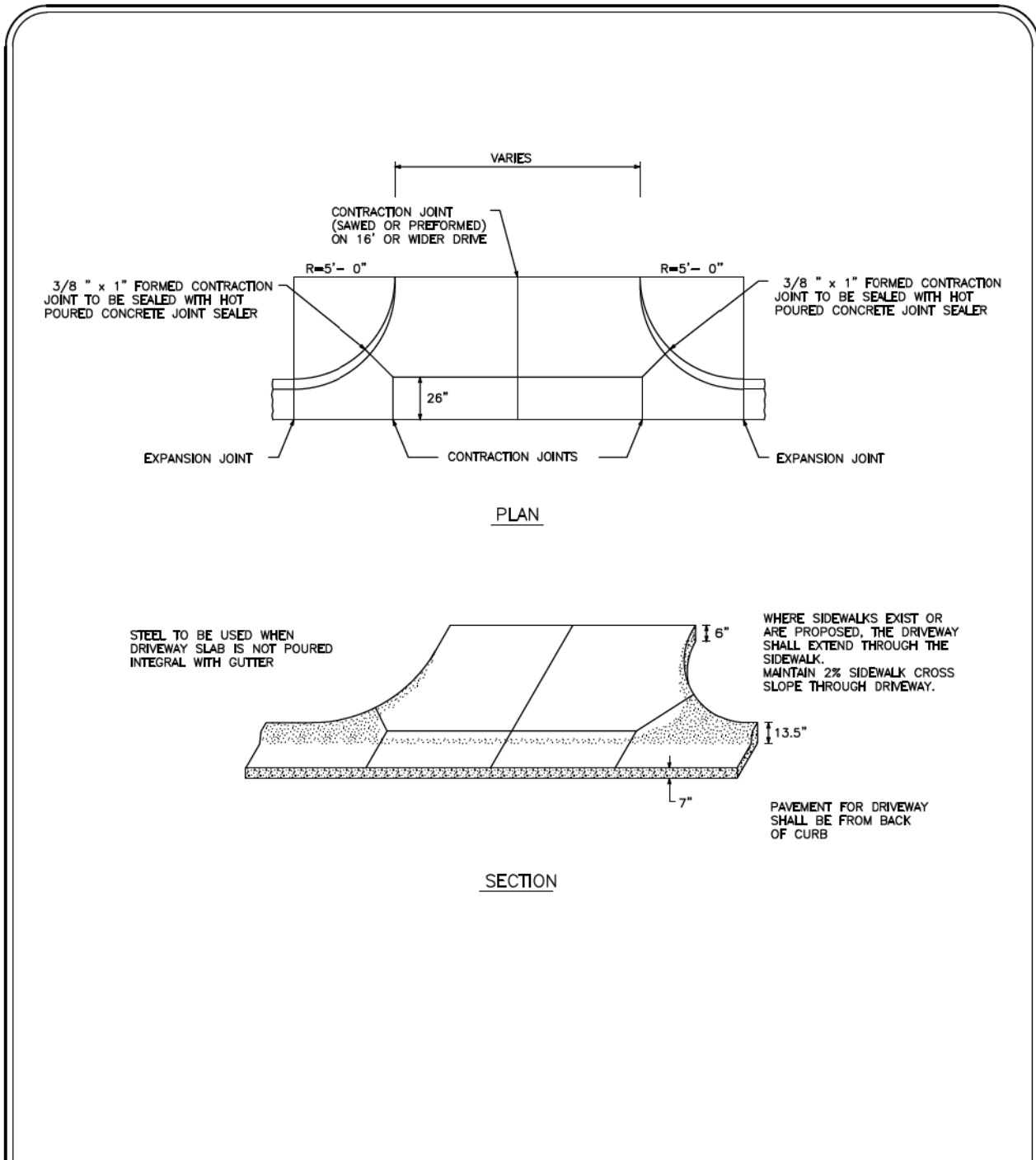
NO.	DATE	BY	CHK	REVISIONS

Design By:	MKV	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: <u>MARCUS VANDERBRUG, PE</u>  DATE: <u>3/16/2023</u> LICENSE: <u>56164</u>
Plan By:	MKV	
Checked By:	KH	
Approved By:	MKV	

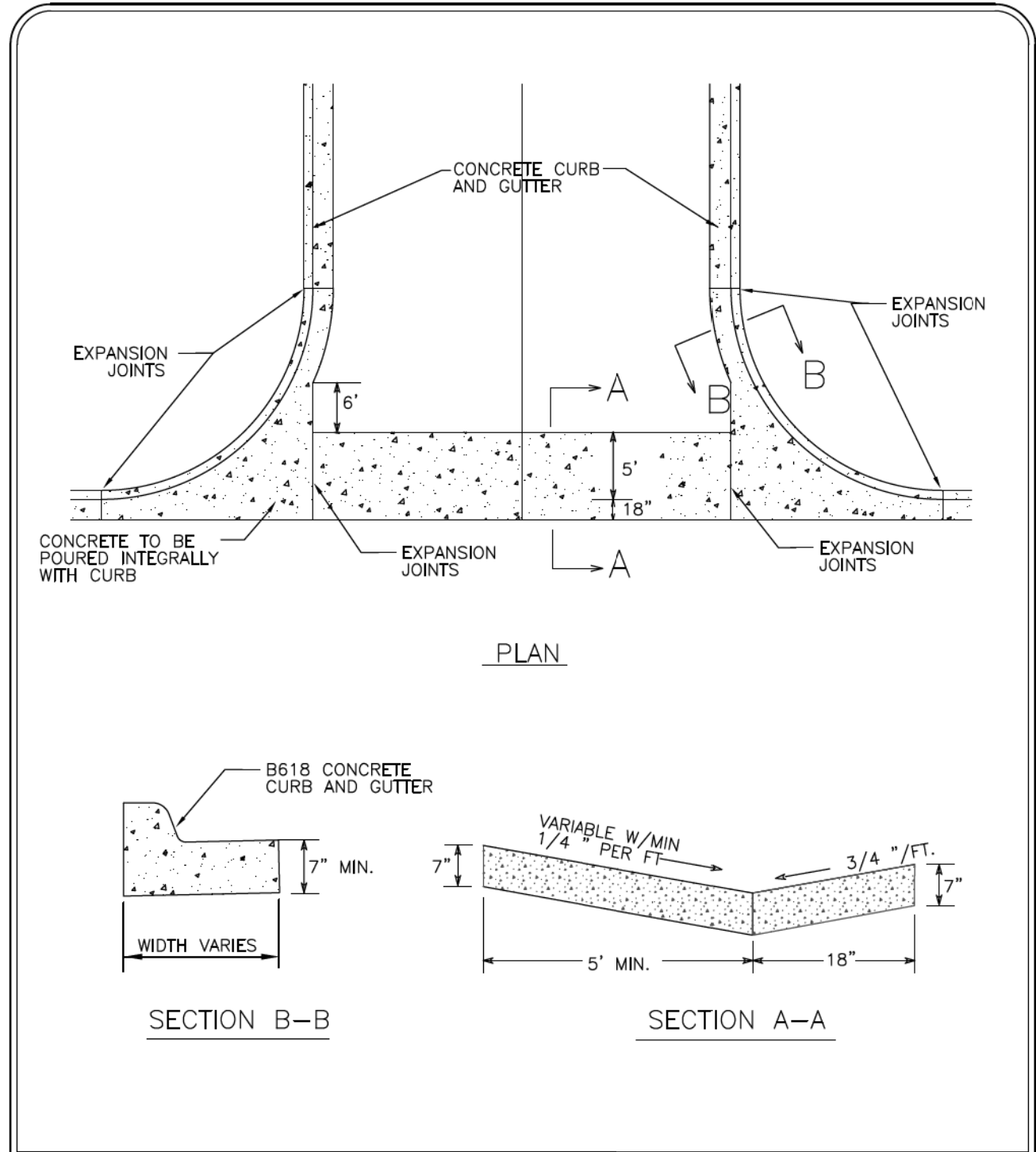


MONTICELLO, MINNESOTA
ELM STREET
TYPICAL SECTIONS
SAP 222-591-002

SHEET
10
OF
60
SHEETS



	Title: Residential Driveway Entrance	
	Date: 03-05	Plate No.: 5007
	Revised: 03-17	



	Title: Commercial Driveway Entrance	
	Date: 03-05	Plate No.: 5008
	Revised: 03-15	

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

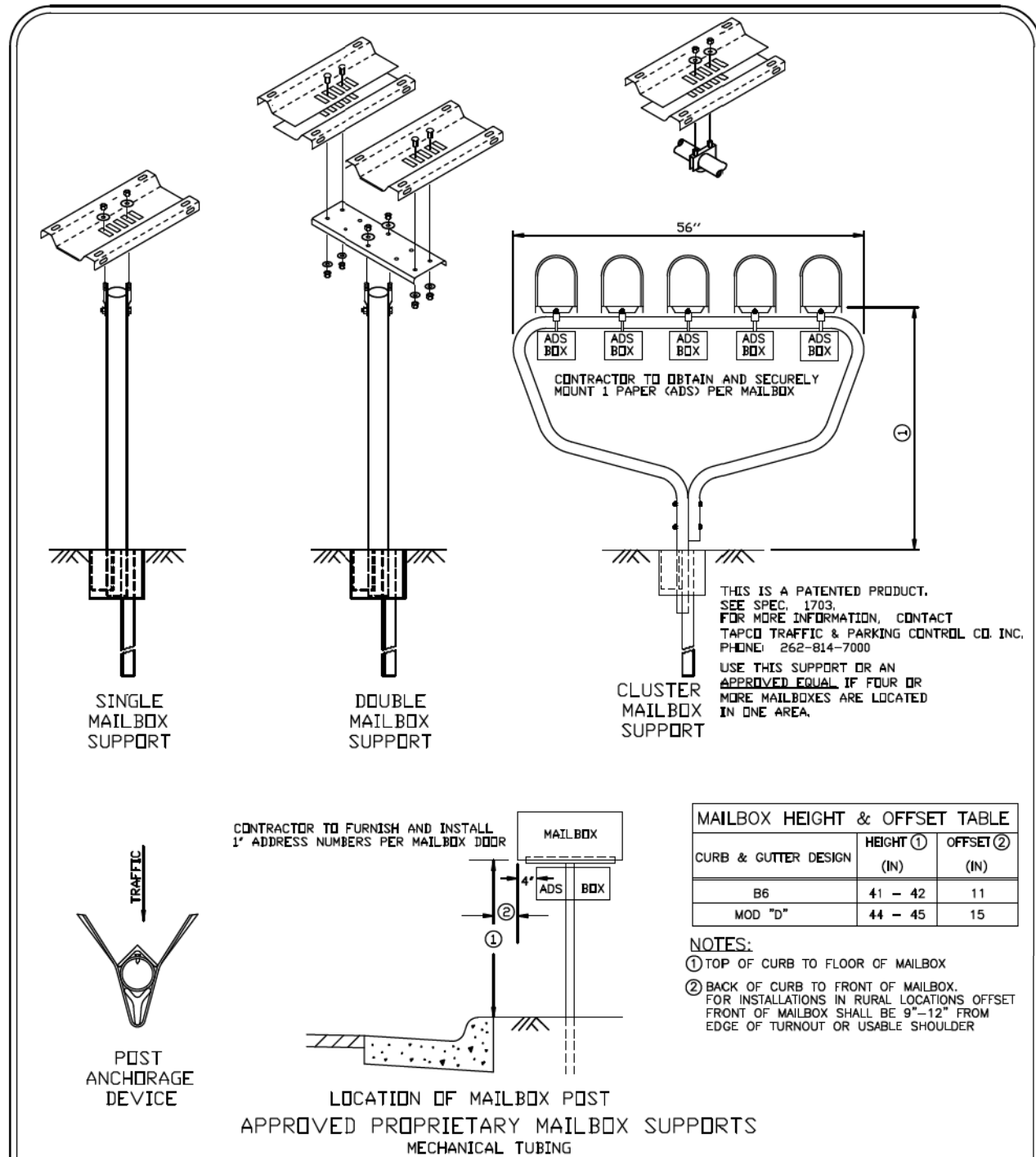
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
 DATE: 3/16/2023 LICENSE: 56164



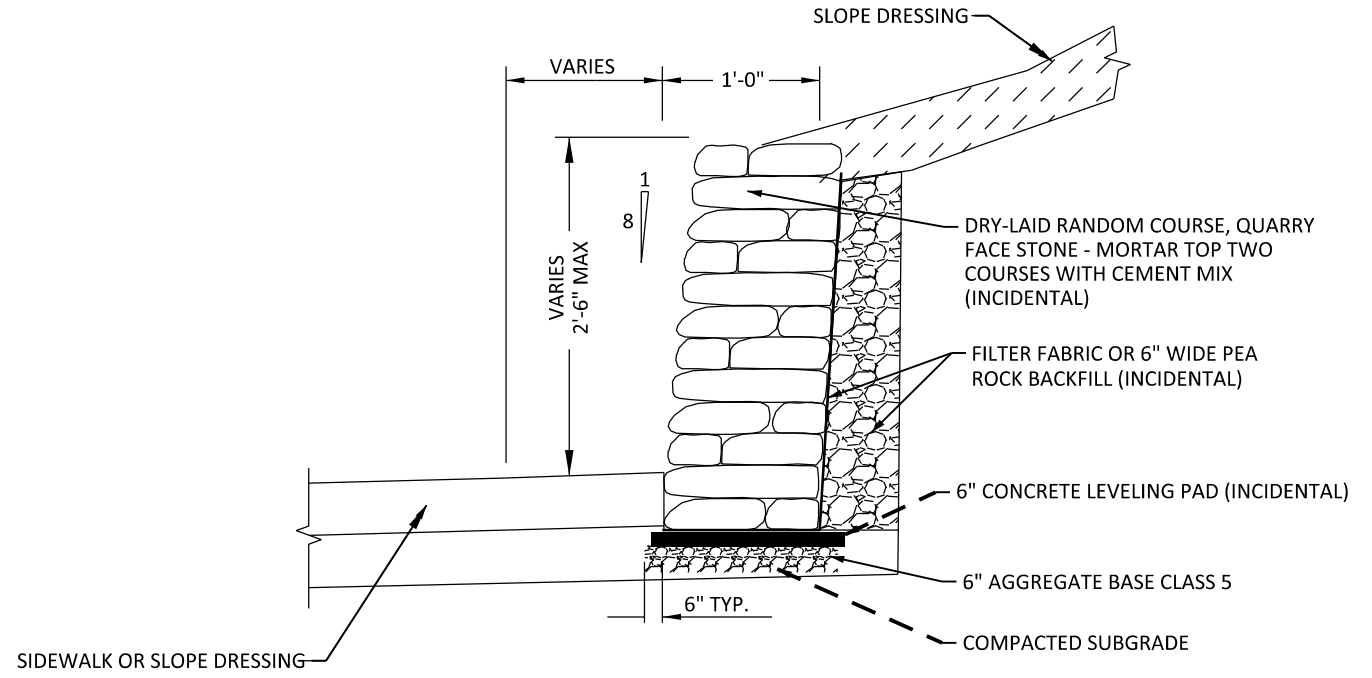
MONTICELLO, MINNESOTA

MISCELLANEOUS DETAILS
 SAP 222-591-002



CURB & GUTTER DESIGN	HEIGHT ① (IN)	OFFSET ② (IN)
B6	41 - 42	11
MOD "D"	44 - 45	15

NOTES:
 ① TOP OF CURB TO FLOOR OF MAILBOX
 ② BACK OF CURB TO FRONT OF MAILBOX. FOR INSTALLATIONS IN RURAL LOCATIONS OFFSET FRONT OF MAILBOX SHALL BE 9"-12" FROM EDGE OF TURNOUT OR USABLE SHOULDER



- NOTES:
1. THE MINIMUM EXPOSED HEIGHT OF THE RETAINING WALL SHALL BE 12"
 2. THE NATURAL STONE RETAINING WALL SHALL BE LAID LEVEL
 3. STONE RETAINING WALL AREA IS CALCULATED AS THE TOTAL BLOCK PLACED ABOVE FINISHED GRADE - AS INDICATED IN THE PLANS. ADDITIONAL BLOCK PLACED BEYOND WHAT IS SHOWN IN THE PLANS SHALL BE APPROVED BY THE ENGINEER.

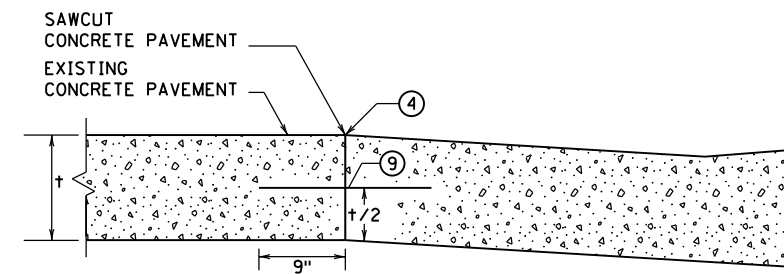
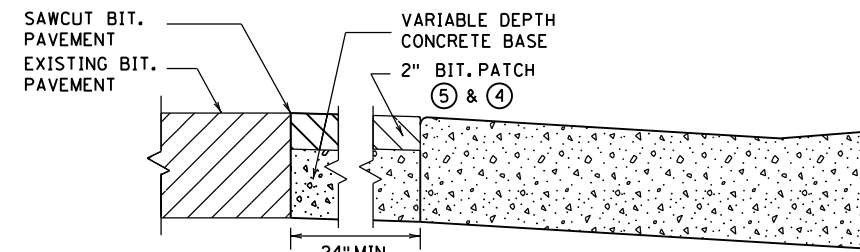
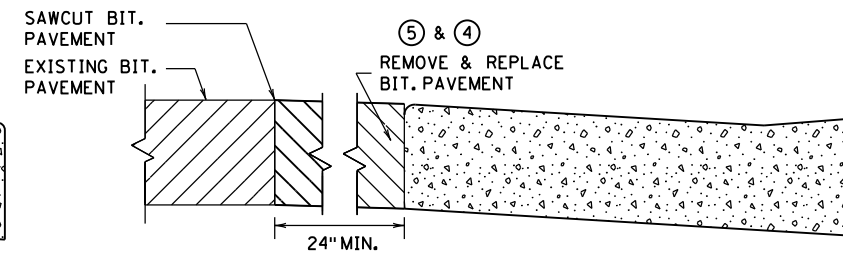
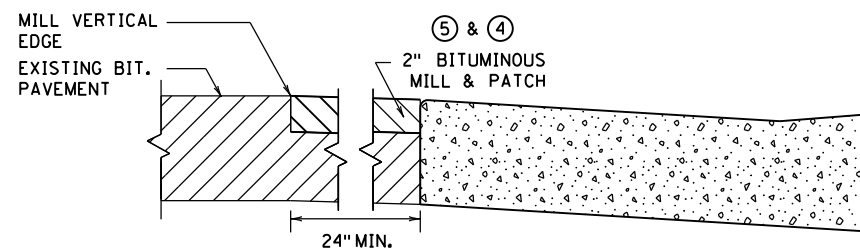
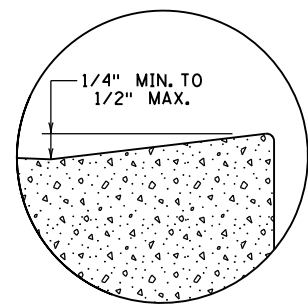
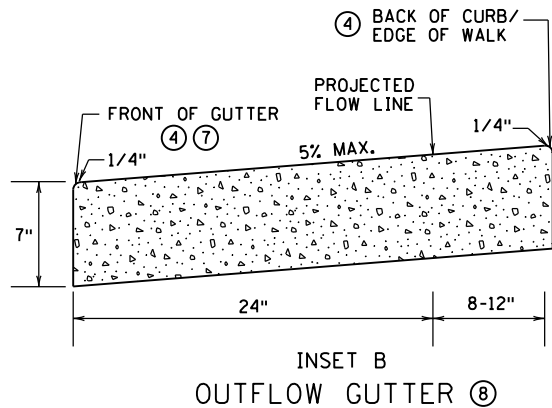
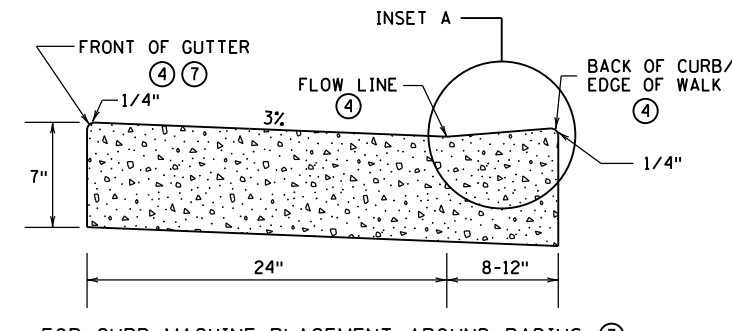
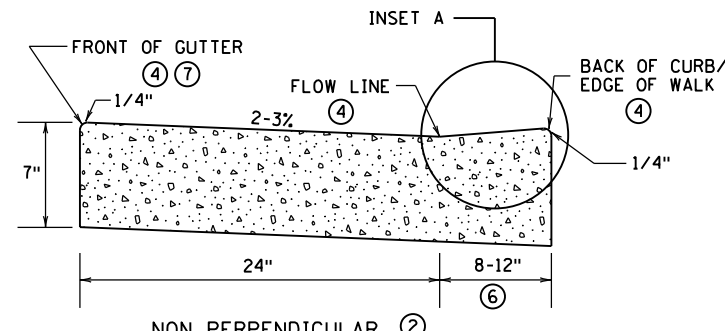
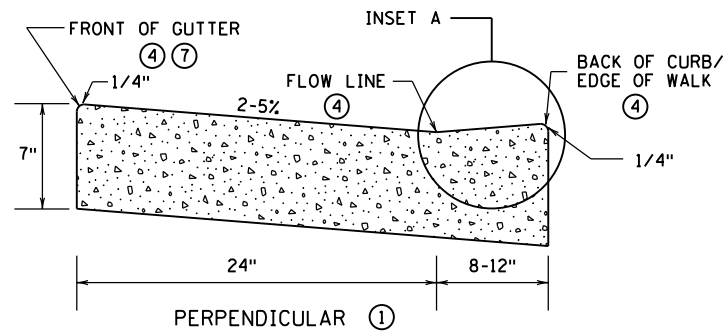
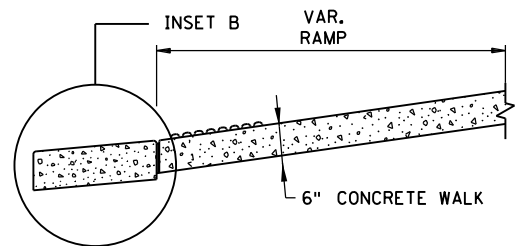
STONE RETAINING WALL

Standard Plate Library
City of Monticello

Title: **Mailbox Detail Existing-Residential**

Date: 03-07
Revised: 03-15

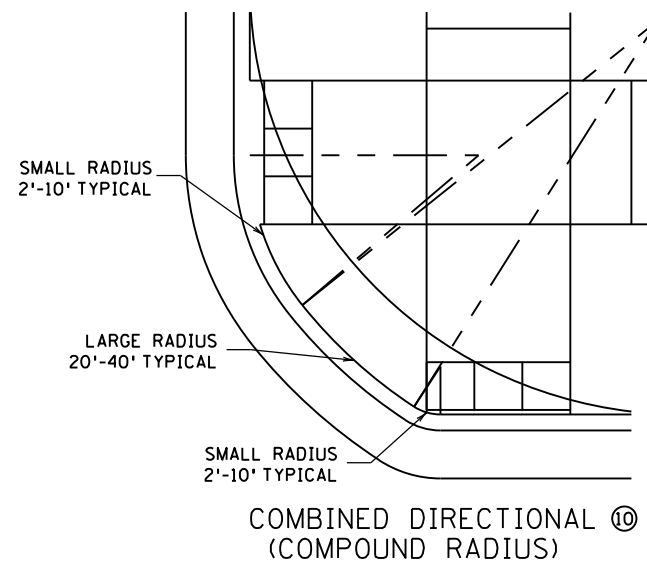
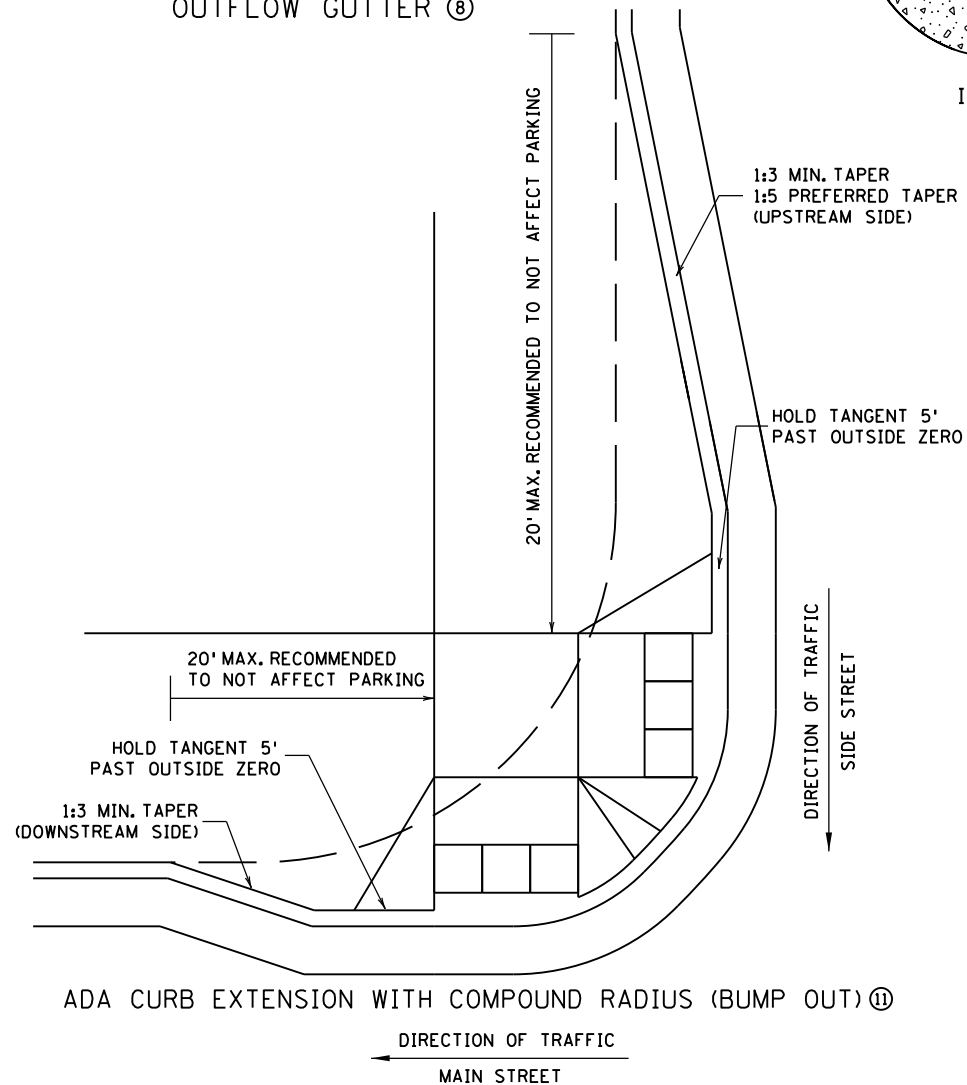
Plate No. 5015



ONLY ALLOWED PER ENGINEER'S APPROVAL

PAVEMENT TREATMENT OPTIONS IN FRONT OF CURB & GUTTER FOR USE ON CURB RAMP RETROFITS

- NOTES:
- POSITIVE FLOW LINE DRAINAGE SHALL BE MAINTAINED THROUGH THE PEDESTRIAN ACCESS ROUTE (PAR) AT A 2% MAXIMUM. NO PONDING SHALL BE PRESENT IN THE PAR.
 - ANY VERTICAL LIP THAT OCCURS AT THE FLOW LINE SHALL NOT BE GREATER THAN 1/4 INCH.
 - 1 FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: PERPENDICULAR, TIERED PERPENDICULAR, PARALLEL, AND DIAGONAL RAMPS.
 - 2 FOR USE AT CURB RAMPS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED NON PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: FANS & DEPRESSED CORNERS.
 - 3 BEGIN GUTTER SLOPE TRANSITION 10' OUTSIDE OF ALL CURB RAMPS.
 - 4 THERE SHALL BE NO VERTICAL DISCONTINUITIES GREATER THAN 1/4".
 - 5 ELEVATION CHANGE TAKES PLACE FROM THE EXISTING TO NEW FRONT OF GUTTER. PATCH IS USED TO MATCH THE NEW GUTTER FACE INTO THE EXISTING ROADWAY.
 - 6 VARIABLE WIDTH FOR DIRECTIONAL CURB APPLICATIONS. SEE SHEET 2 FOR DIRECTIONAL CURB SLOPE REQUIREMENTS.
 - 7 TOP FRONT OF GUTTER SHALL BE CONSTRUCTED FLUSH WITH PROPOSED ADJACENT PAVEMENT ELEVATION. TOP 1.5" OF THE GUTTER FACE MUST BE A FORMED EDGE. PAR GUTTER SHALL NOT BE OVERLAID.
 - 8 SHOULD BE USED AT VERTICALLY CONSTRAINED AREAS WHEN AT A DRAINAGE HIGH POINT OR SUPER ELEVATED ROADWAY SEGMENTS.
 - 9 DRILL AND GROUT NO. 4 EPOXY-COATED 18" LONG TIE BARS AT 30" CENTER TO CENTER INTO EXISTING CONCRETE PAVEMENT 1" MINIMUM FROM ALL JOINTS.
 - 10 HELPS PROVIDE TWO SEPARATE RAMPS, REDUCES THE DOME SETBACK LENGTH AND MINIMIZES DIRECTIONAL CURB. THIS RADIUS DESIGN CLOSELY FOLLOWS THE TURNING VEHICLE PATH WHILE OPTIMIZING CURB RAMP LENGTH.
 - 11 CURB EXTENSIONS SHOULD BE USED IN VERTICALLY CONSTRAINED AREAS, USUALLY IN DOWNTOWN ROADWAY SEGMENTS WHERE ON-STREET PARKING IS AVAILABLE. CURB EXTENSIONS SHOULD BE CONSIDERED FOR APS INTERSECTIONS WHERE SPACE IS LIMITED. PUSH BUTTONS MUST MEET APS CRITERIA AS DESCRIBED IN THE PUSH BUTTON LOCATION DETAIL SHEET.



REVISION:
APPROVED: 11-04-2021
Jeff J. Perkins
JEFFREY PERKINS
OPERATIONS DIVISION

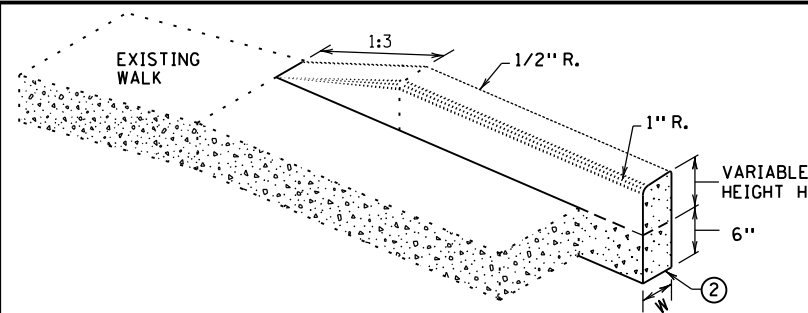
MINNESOTA
DEPARTMENT
OF
TRANSPORTATION

STANDARD PLAN 5-297.250
3 OF 6
APPROVED: 11-04-2021
REVISOR:
THOMAS STYRBICKI
STATE DESIGN ENGINEER

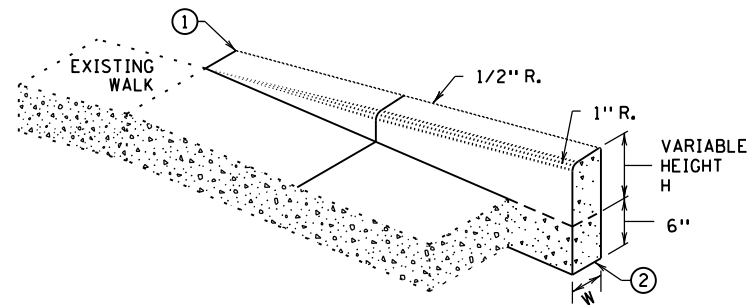
PEDESTRIAN CURB RAMP DETAILS

SAP 222-591-002

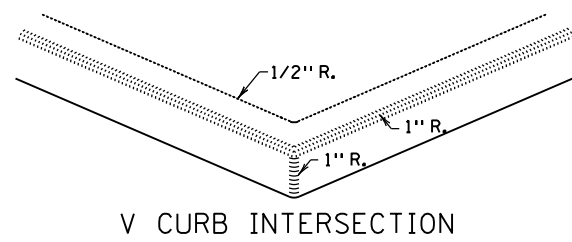
SHEET NO. 15 OF 60



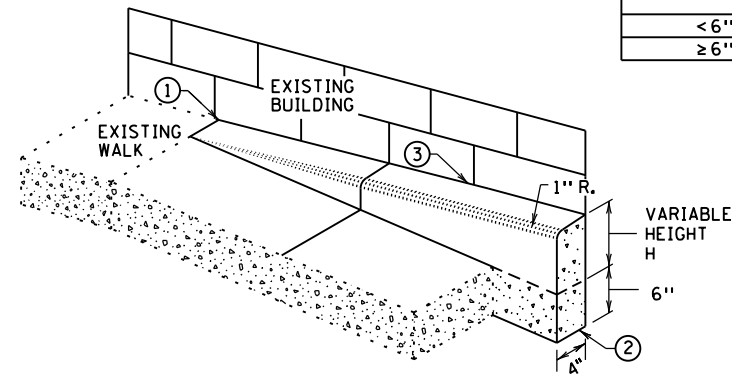
V CURB ADJACENT TO LANDSCAPE
CURB WITHIN SIDEWALK LIMITS



V CURB ADJACENT TO LANDSCAPE
CURB OUTSIDE SIDEWALK LIMITS

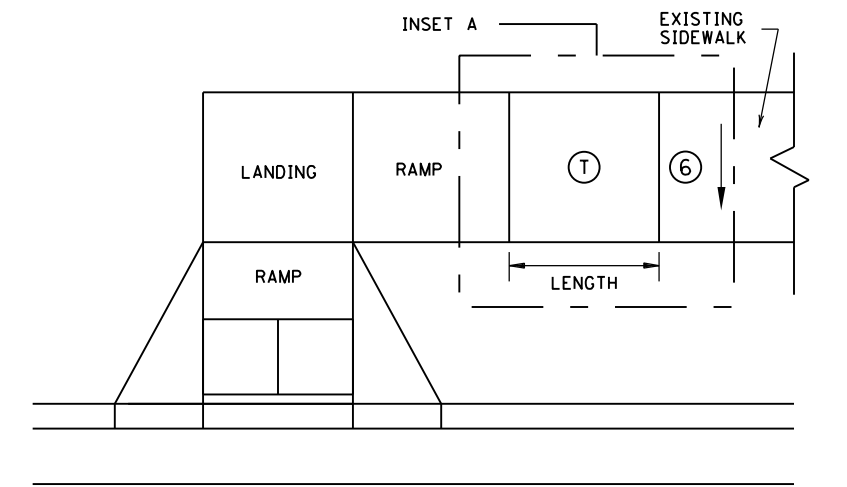


V CURB INTERSECTION

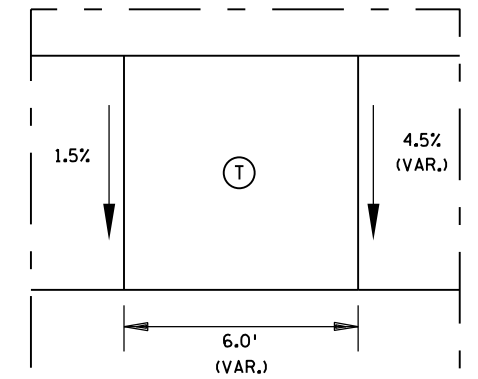


V CURB ADJACENT TO BUILDING
OR BARRIER

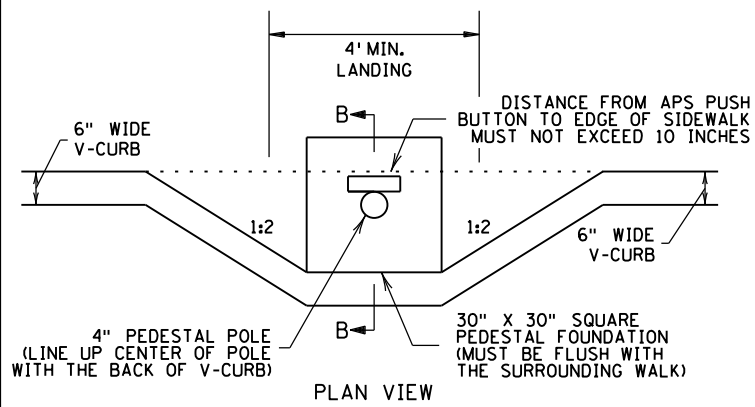
CURB HEIGHT H	CURB WIDTH W
< 6"	4"
≥ 6"	6"



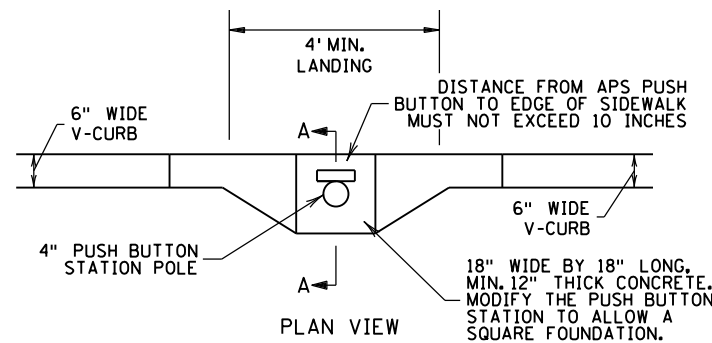
TRANSITION PANEL ④ ⑤



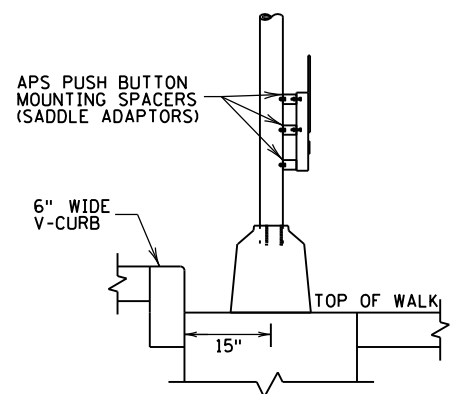
INSET A



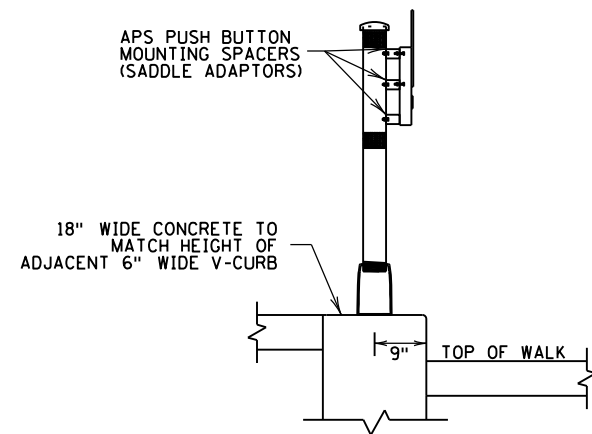
PLAN VIEW
SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)



PLAN VIEW
PUSH BUTTON STATION (V-CURB)



SECTION B-B
SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)



SECTION A-A
PUSH BUTTON STATION (V-CURB)

NOTES:

A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP OF SIDEWALK ELEVATIONS.

- ① END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
- ② ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
- ③ CONSTRUCT USING APPROVED EXPANSION MATERIAL PER MNDOT TYPE A-E EXPANSION. LEAVE A MINIMUM 1/2" TOP GAP AND SEAL WITH MNDOT APPROVED SILICONE PER MNDOT SPEC 3722.
- ④ THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1' LINEAR FOOT OF SIDEWALK PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE RUNNING SLOPE IS GREATER THAN 5%, DOUBLE THE CALCULATED TRANSITION LENGTH.
- ⑤ TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).
- ⑥ EXISTING CROSS SLOPE GREATER THAN 2.0%.

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.	
(S)	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.
[Hatched box]	LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.
(T)	TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A RAMP TO THE EXISTING WALK CROSS-SLOPE. RATE OF TRANSITION SHOULD BE 0.5% PER 1' LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.

REVISION:

APPROVED: 11-04-2021

Jeff J. Perkins
JEFFREY PERKINS
OPERATIONS DIVISION

m
MINNESOTA
DEPARTMENT
OF
TRANSPORTATION

STANDARD PLAN 5-297.250

5 OF 6

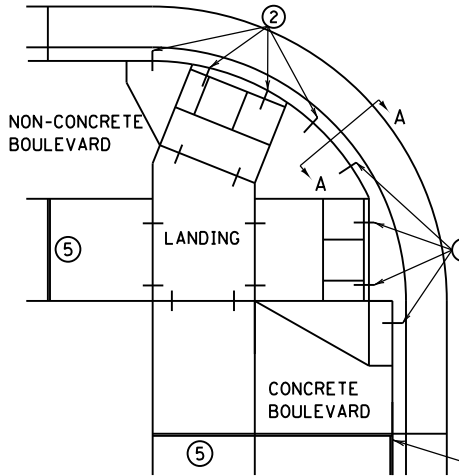
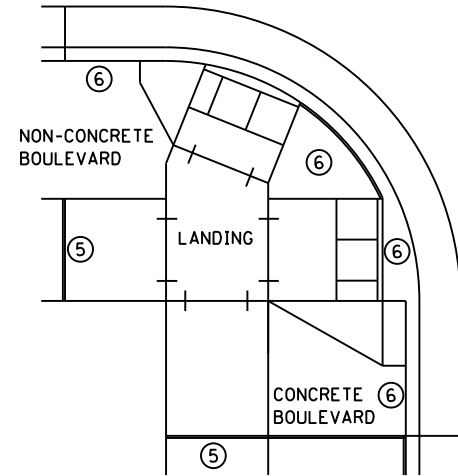
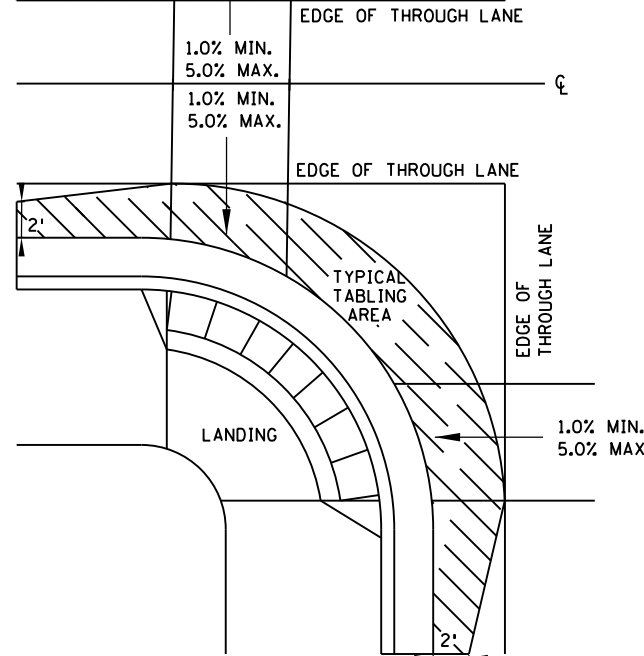
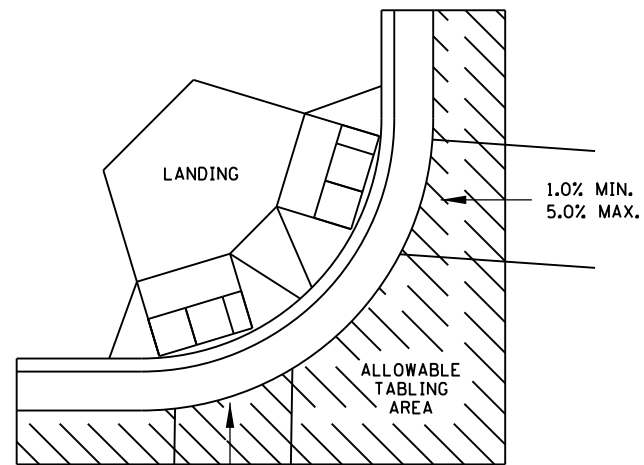
APPROVED: 11-04-2021
REVISED:

Tom Styrbicki
THOMAS STYRBICKI
STATE DESIGN ENGINEER

SAP 222-591-002

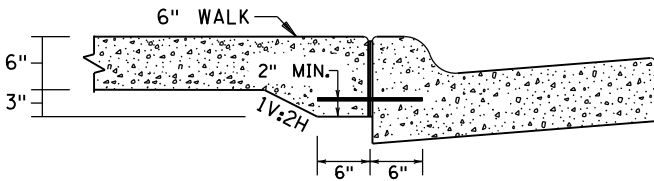
PEDESTRIAN CURB RAMP DETAILS

SHEET NO. 17 OF 60

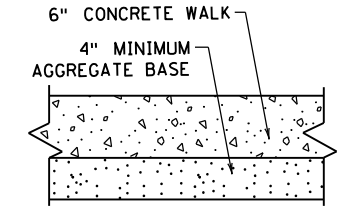


EXPANSION MATERIAL PLACEMENT FOR CONCRETE ROADWAYS

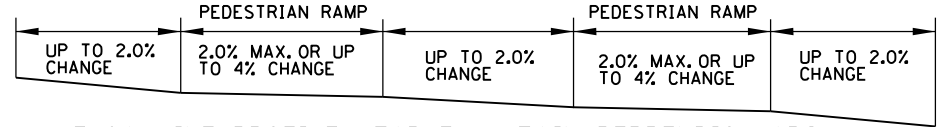
CURB LINE REINFORCEMENT ④ PLACEMENT ON BITUMINOUS ROADWAYS



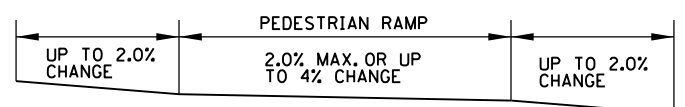
SECTION VIEW A-A THICKENED SECTION THROUGH CURB RAMP FLARES



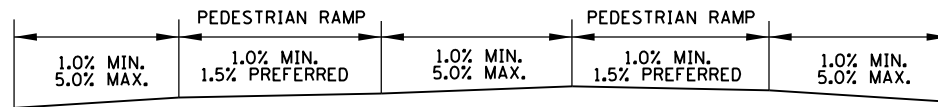
TYPICAL SIDEWALK SECTION WITHIN INTERSECTION CORNER



FLOW LINE PROFILE "TABLE" - TWIN PERPENDICULARS



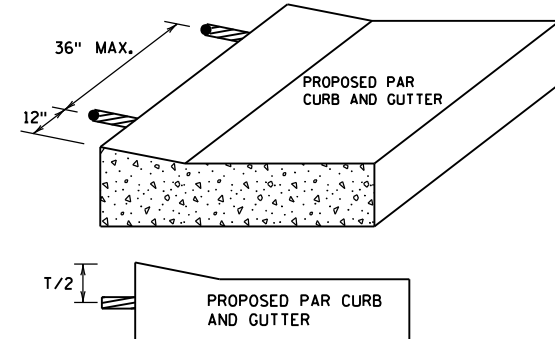
FLOW LINE PROFILE "TABLE" - FAN



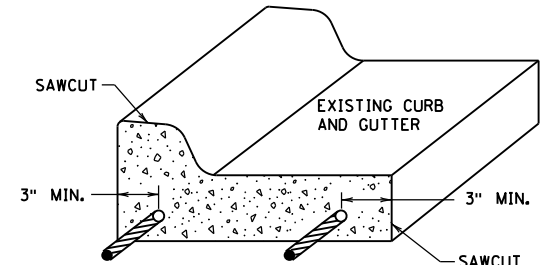
FLOW LINE PROFILE RAISE - TWIN PERPENDICULARS



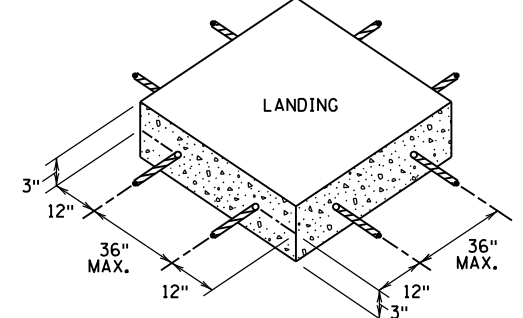
FLOW LINE PROFILE RAISE - FAN



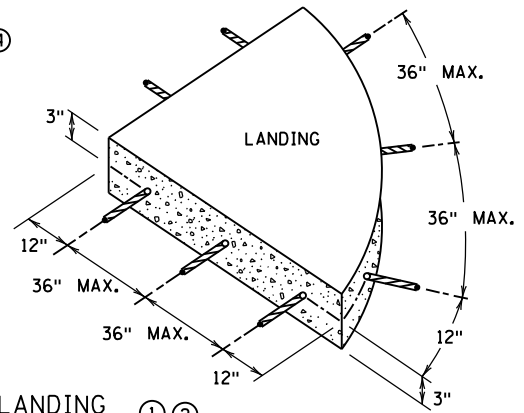
CURB RAMP REINFORCEMENT DETAILS ② ④



CURB AND GUTTER REINFORCEMENT ③



SEPARATE LANDING POUR REINFORCEMENT ① ②



CURB LINE AND ROAD CROSSING ADJUSTMENTS

GENERAL NOTES:

"TABELING" OF CROSSWALKS MEANS MAINTAINING LESS THAN 2% CROSS SLOPE WITHIN A CROSSWALK, IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS.

- RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS "TABELING" OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.
- MILL & OVERLAY PROJECTS: "TABELING" OF FLOW LINES, IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2%. WARPING OF THE BITUMINOUS PAVEMENT CAN NOT EXTEND INTO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:
 - 1.0% MIN. CROSS-SLOPE OF THE ROAD
 - 5.0% MAX. CROSS-SLOPE OF THE ROAD
 - "TABLE" FLOW LINE UP TO 4% CHANGE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
 - UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP
- STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPLACEMENT ON CONCRETE ROADWAYS.

- RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO ALLOW COMPLIANT RAMPS OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:
 - 1.0% MIN. AND 5.0% MAXIMUM CROSS-SLOPE OF THE ROAD
 - 1.0% MIN. FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE
 - 5.0% RECOMMENDED MAX. FLOW LINE
 - LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

NOTES:

- TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS.
- DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) AT 36" MAXIMUM CENTER TO CENTER MINIMUM 12" SPACING FROM CONSTRUCTION JOINTS. BARS TO BE ADJUSTED TO MATCH RAMP GRADE. BARS TO BE PAID BY EACH.
- DRILL AND GROUT 2 - NO. 4 X 12" LONG (6" EMBEDDED) REINFORCEMENT BARS (EPOXY COATED). REINFORCEMENT REQUIRED FOR ALL CONSTRUCTION JOINTS. BARS TO BE PAID BY EACH.
- THIS CURB LINE REINFORCEMENT DETAIL SHALL BE USED ON BITUMINOUS ROADWAYS. FOR CONCRETE ROADWAYS, SEE NOTE 6.
- CONSTRUCT WITH EXPANSION MATERIAL PER MNDOT SPECIFICATION 3702 TYPES A-E. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.
- USE AN APPROVED TYPE F (1/4 INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FULL HEIGHT DIMENSION OF ADJACENT CONCRETE.

REVISION:

APPROVED: 11-04-2021

Jeff J. Perkins
OPERATIONS DIVISION

STANDARD PLAN 5-297.250 6 OF 6

APPROVED: 11-04-2021
REVISOR:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

SAP 222-591-002

SHEET NO. 18 OF 60

NOTES & GUIDELINES

GENERAL INFORMATION:

1. ALL DISTANCES ARE APPROXIMATE.
- SIGNING:**
 1. ALL TEMPORARY SIGNS ARE REQUIRED TO BE CRASHWORTHY PER THE AASHTO MANUAL FOR ASSESSING SAFETY HARDWARE 2016 (MASH-2016). TEMPORARY SIGN STRUCTURES THAT ARE CRASHWORTHY UNDER THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP-350) MAY BE USED PROVIDED THE DEVICES WERE ACQUIRED BY THE CONTRACTOR PRIOR TO DECEMBER 31ST, 2019. THE MINNESOTA TYPE "C" AND "D" BRACED LEG U-CHANNEL (KNEE BRACE) SIGN SUPPORT IS NOT ALLOWED.
 2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FINAL SIGNS TO ASSURE THAT THE FINAL SIGNS ARE PLACED AS NEEDED, OR PROVIDE TEMPORARY SIGNING UNTIL THE FINAL SIGNING IS PLACED.
 3. WHEN MULTIPLE GROUND MOUNTED SIGN STRUCTURES ARE PLACED ADJACENT TO EACH OTHER THERE SHOULD BE NO MORE THAN 2 POSTS WITHIN 84" OF EACH OTHER. WHEN THIS SPACING CAN NOT BE MAINTAINED, THEN SIGN STRUCTURES SHALL BE OFFSET, AND STAGGERED WITH A MINIMUM OF 4' BETWEEN SIGN STRUCTURES BOTH Laterally and Longitudinally. Example shows Detour Signage, but this requirement applies to all signage.
 4. WHEN A SIGN OR BARRICADE IS ORIENTED SUCH THAT VISIBILITY TO ROAD USERS INCLUDING BIKES AND PEDESTRIANS IS REDUCED ENOUGH TO CAUSE A HAZARD, DELINEATE THE SIGN/BARRICADE WITH APPROPRIATE DEVICES.
 5. TEMPORARY SIGNS SHALL BE PLACED SUCH THAT OBSTACLES DO NOT BLOCK THEM FROM BEING VIEWED BY APPROACHING ROAD USERS. OBSTACLES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, TREES, SIGNS, AND BUILDINGS.
 6. TEMPORARY SIGNS SHALL BE PLACED AND ORIENTED APPROXIMATELY AS SHOWN IN THE PLAN, AT RIGHT ANGLES TO DIRECTION OF AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE, UNLESS OTHERWISE SPECIFIED.
 7. LONGITUDINAL DROPOFFS SHALL BE SIGNED AS SHOWN IN THE "MINNESOTA TEMPORARY TRAFFIC CONTROL FIELD MANUAL" PAGES (6K-qj) THRU (6K-ql) UNLESS OTHERWISE SPECIFIED IN THESE PLANS.
 8. AFTER REMOVAL OF SIGN AND/OR SIGN BASE, BACK FILL, COMPACT, AND LEVEL SOIL TO MATCH SURROUNDING SOIL.

CONSTRUCTION INFORMATION SIGNING:

1. THE CONTRACTOR SHALL USE CONSTRUCTION INFORMATION SIGNING AS SHOWN IN THE PLAN WHICH ARE TO BE USED AS FOLLOWS:
 PLACE THE G20-X1 ADVANCE CLOSURE NOTICE SIGN(S) 7 DAYS PRIOR TO THE PLANNED CLOSURE DATE.
 IF CONSTRUCTION INFORMATION SIGNING IS NO LONGER VISIBLE TO THE MOTORING PUBLIC ONCE WORK BEGINS, MOVE SAID SIGNING TO A SITE IN ADVANCE OF THE WORK ZONE OR CLOSURE AS SHOWN IN THE PLAN OR APPROVED BY THE ENGINEER.

CONSTRUCTION STAGING AND TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE TPAR DURING CONSTRUCTION.
2. CONSTRUCT ALL SIDEWALKS AND CURB RAMPS ON THE SOUTH SIDE OF ELM STREET PRIOR TO RECONSTRUCTING CURB RAMPS ON THE NORTH SIDE.
3. CONSTRUCT ONE BLOCK AT A TIME USING STANDARD PLANS AND DETAILS FROM THE MUTCD.
 -USE SHOULDER CLOSURE FROM FIELD MANUAL; LAYOUT 8.
 -ASSUME 2' SHOULDER FOR UNMARKED SHOULDERS.
 -FOR LONG TERM SHOULDER CLOSURES, PROVIDE TYPE III BARRICADE AT THE START OF A SHOULDER CLOSURE AND AT EACH CROSS STREET, OPTIONAL SIGNS ARE REQUIRED.
4. FLAGGING OPERATIONS MAY BE USED AS NECESSARY DURING OFF PEAK HOURS (PEAK HOURS ARE 6AM-9AM AND 3PM-6PM).
5. MAINTAIN 11' MINIMUM DRIVING LANES AT ALL TIMES DURING CONSTRUCTION.
6. ON COUNTY ROADS ELM STREET AND BROADWAY STREET, PROVIDE G20-X1 SIGNS 7 DAYS IN ADVANCE OF WORK BEGINNING IN BOTH DIRECTIONS.
 -LEGEND: ROAD WORK BEGINS XX XXXX (ENDS XX XXXX)

STANDARD PLANS

5-297.811	ALTERNATE PEDESTRIAN ROUTE (APR)
5-297.813	TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR)

UPDATED 12/20/2021

INDEX

TRAFFIC CONTROL SHEET NO. DESCRIPTIONS

19	TEMPORARY TRAFFIC CONTROL TITLE SHEET
20	TEMPORARY SQUARE TUBE GROUND MOUNTED SIGN PLACEMENT

NO.	DATE	BY	CHK	REVISIONS

Design By: MF

Plan By: MF

Checked By: ES

Approved By: SD

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: SEAN DELMORE, PE

Sean Delmore

DATE: 3/16/2023 LICENSE #: 40945



MONTICELLO, MINNESOTA

TITLE SHEET

TEMPORARY TRAFFIC CONTROL AND STAGING

SAP 222-591-002

SHEET 19 OF 60 SHEETS

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_ftc.dgn

3/17/2023

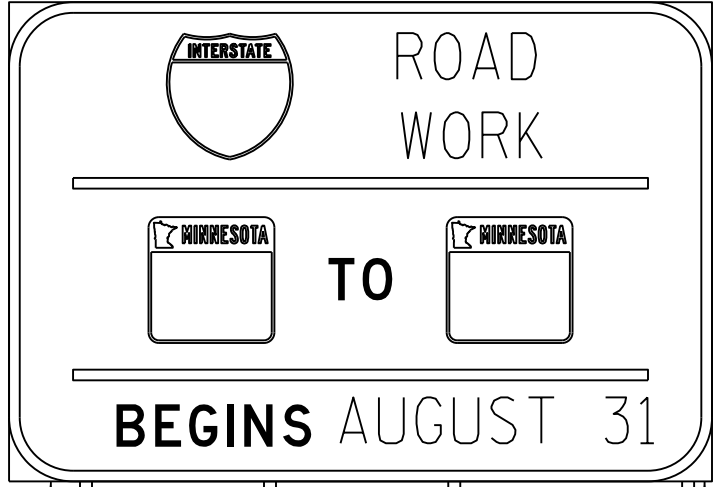
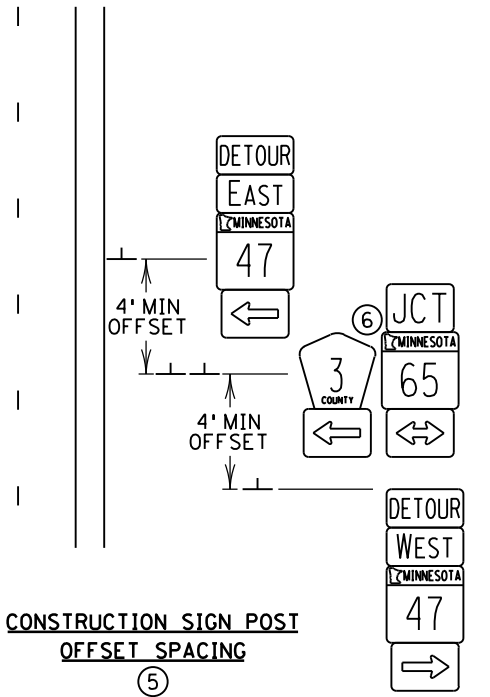
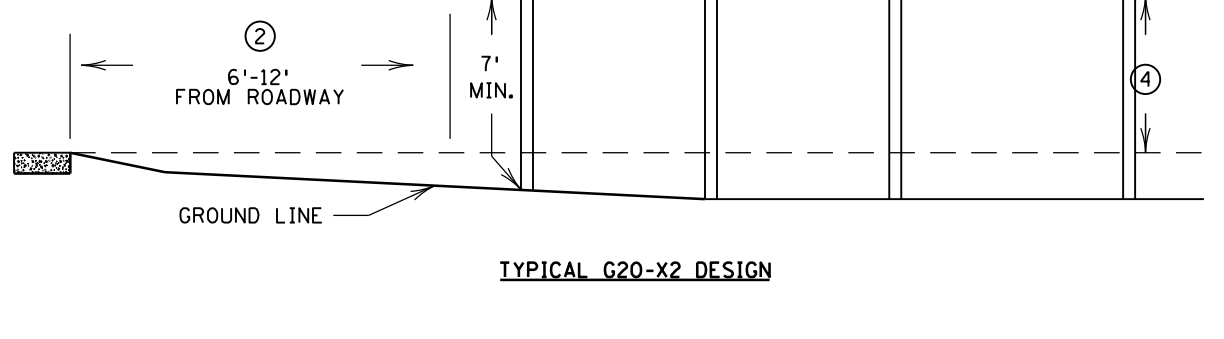
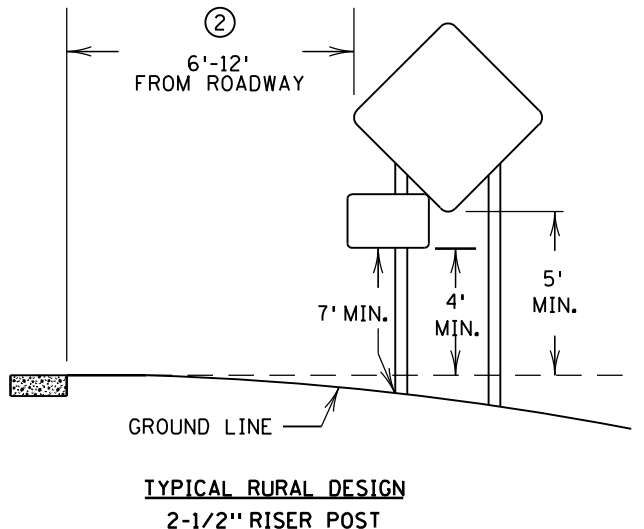
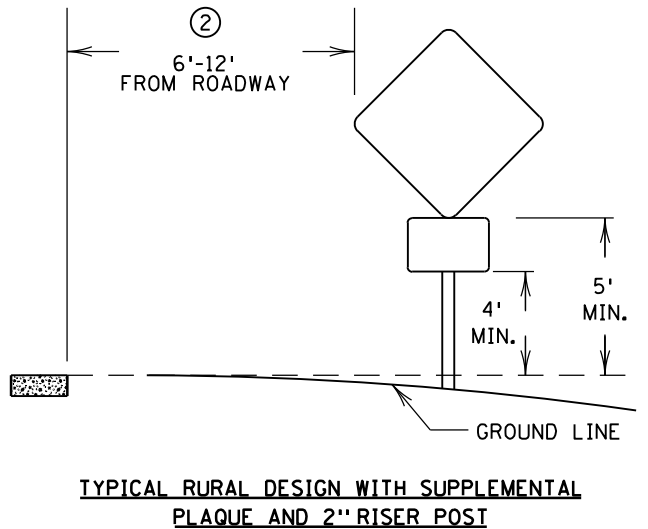
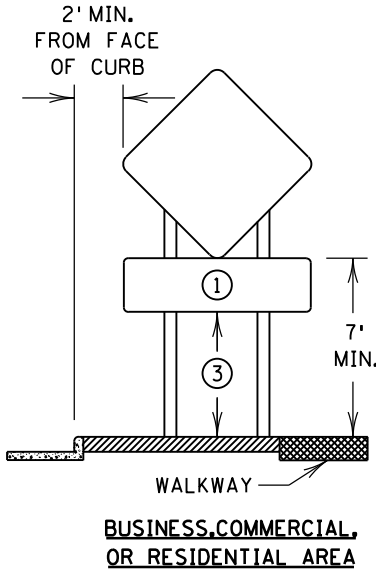
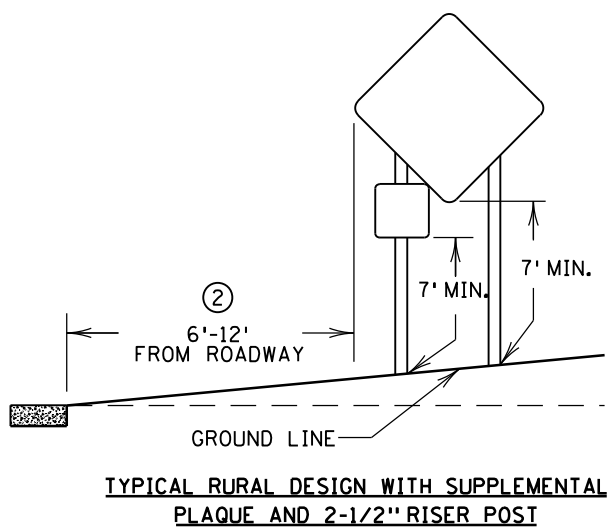
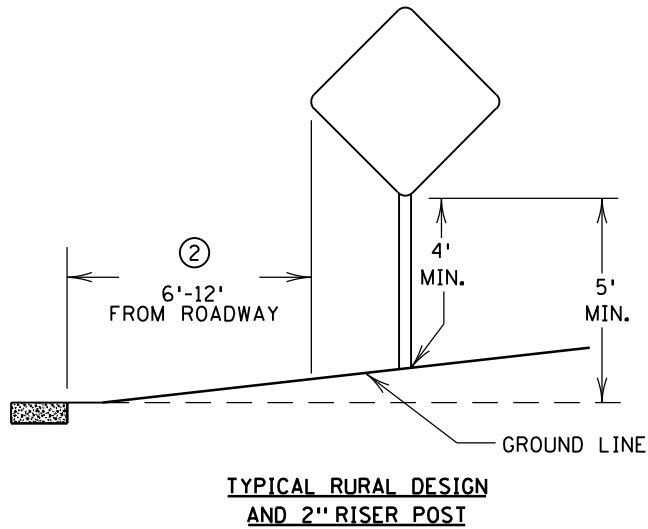
GENERAL NOTES:

1. GROUND MOUNTED SQUARE TUBE SIGN STRUCTURES PLACED WITHIN 50' OF THE RADIUS END OF AN INTERSECTION SHALL BE PLACED ON ONE 2" OR 2-1/2" POST.
2. FOR 2" SQUARE TUBE RISER POST IN SOIL, USE FIN BASE PLACED PER MANUFACTURER'S SPECIFICATIONS. USE A 2" X 2" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE RISER POST. PLACE 3/8" STAINLESS STEEL BOLT THROUGH THE 5TH HOLE DOWN FROM THE TOP OF THE BASE. RISER POST SHALL REST ON THE BOLT.
3. FOR 2-1/2" SQUARE TUBE RISER POST IN SOIL, USE SLIP BASE PLACED PER MANUFACTURER'S SPECIFICATIONS USING A 10 GAUGE, 2-1/2" X 2-1/2" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE RISER POST WITH A 10 GAUGE 2-3/16" X 2-3/16" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE INTERNAL INSERT.

SPECIFIC NOTES:

- ① IF ANY PART OF A SIGN OR SIGN ASSEMBLY EXTENDS MORE THAN 4" INTO THE PEDESTRIAN FACILITY, THE MINIMUM HEIGHT TO BOTTOM OF THE SIGN OR SIGN ASSEMBLY SHALL BE 7'.
- ② 6' - 12' FROM EDGE OF ROADWAY, MUST BE A MINIMUM OF 6' FROM EDGE OF PAVED SHOULDER (WHEN PRESENT).
- ③ IF GROUND MOUNTED TEMPORARY SIGN OR SIGN ASSEMBLY IS PLACED ON 2-1/2" SQUARE TUBE RISER POST(S), THE MINIMUM CLEARANCE FROM THE GROUND LINE TO THE BOTTOM OF THE LOWEST SIGN ON THE ASSEMBLY SHALL BE 7', OR AS SHOWN IN DETAIL, WHICHEVER IS GREATER.
- ④ 5' MINIMUM IN RURAL. 7' MINIMUM IN BUSINESS, COMMERCIAL, OR RESIDENTIAL AREAS.
- ⑤ WHEN MULTIPLE GROUND MOUNTED SIGN STRUCTURES ARE PLACED ADJACENT TO EACH OTHER THERE SHOULD BE NO MORE THAN 2 POSTS WITHIN 84" OF EACH OTHER. WHEN THIS SPACING CAN NOT BE MAINTAINED, THEN SIGN STRUCTURES SHALL BE OFFSET, AND STAGGERED WITH A MINIMUM OF 4' BETWEEN SIGN STRUCTURES BOTH LATERALLY AND LONGITUDINALLY. EXAMPLE SHOWS DETOUR SIGNAGE, BUT THIS REQUIREMENT APPLIES TO ALL SIGNAGE.
- ⑥ INPLACE AND/OR OTHER CONSTRUCTION SIGNING.

NOT TO SCALE



PUBLISHED BY OTE 03/15/2021

MODIFIED BY

TEMPORARY SQUARE TUBE GROUND MOUNTED SIGN PLACEMENT

NO.	DATE	BY	CHK	REVISIONS

Design By: MF
 Plan By: MF
 Checked By: ES
 Approved By: SD

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: SEAN DELMORE, PE
Sean Delmore

DATE: 3/16/2023 LICENSE # 40945



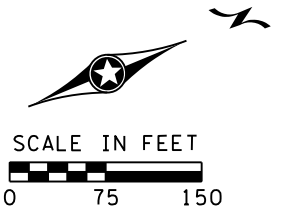
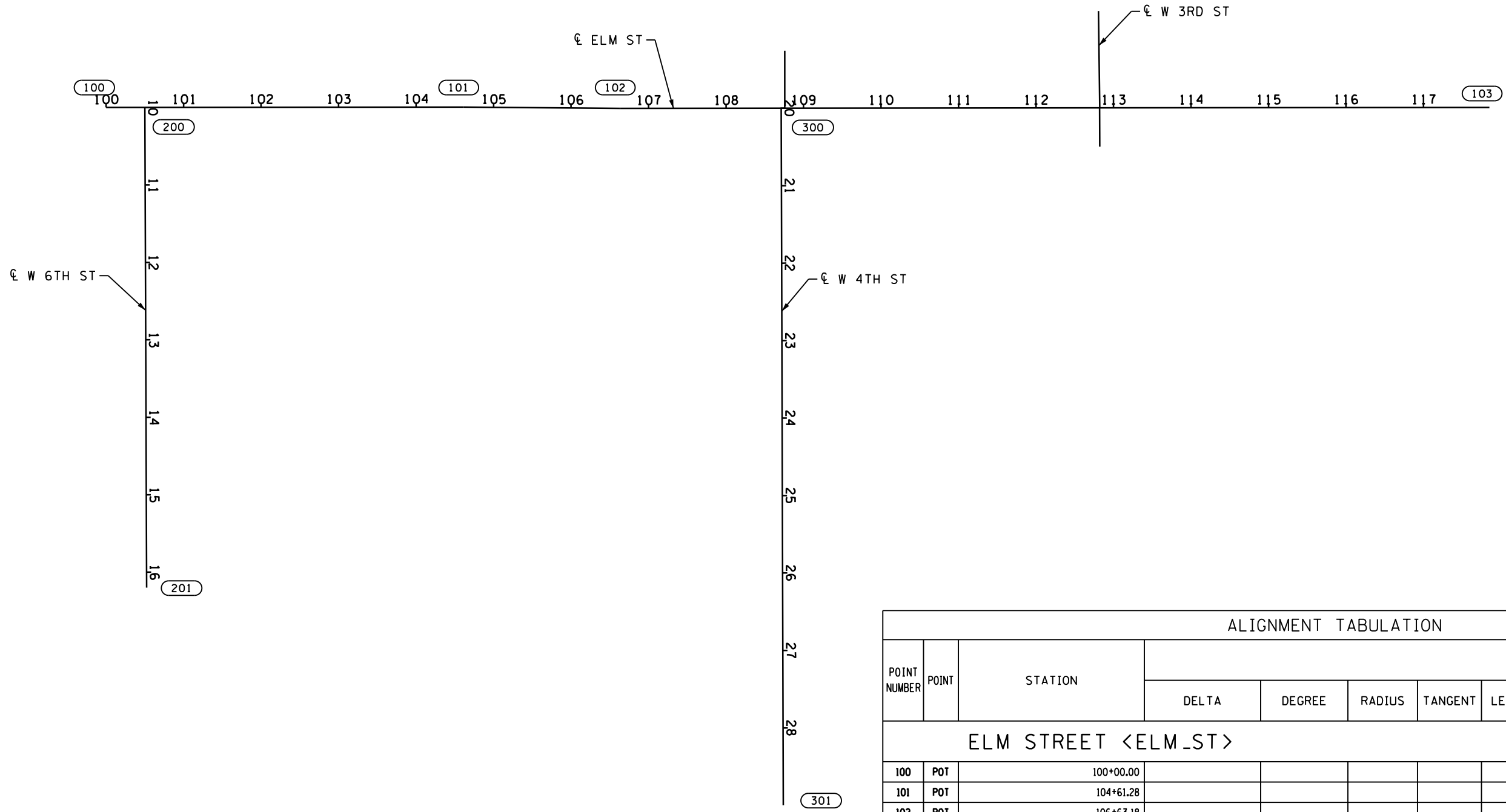
Elm Street Improvements: SRTS
 Monticello, Minnesota

MONTICELLO, MINNESOTA
 TEMPORARY SQUARE TUBE GROUND MOUNTED SIGN
TEMPORARY TRAFFIC CONTROL AND STAGING
 SAP 222-591-002

SHEET 20 OF 60 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_a101.dgn



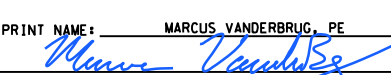
ALIGNMENT TABULATION										
POINT NUMBER	POINT	STATION						COORDINATES		AZIMUTH
			DELTA	DEGREE	RADIUS	TANGENT	LENGTH	X	Y	
ELM STREET <ELM_ST>										
100	POT	100+00.00						519,576.814	219,405.510	
101	POT	104+61.28						519,777.630	219,820.785	
102	POT	106+63.18						519,867.233	220,001.716	
103	POT	117+85.00						520,355.609	221,011.647	
W 6TH STREET <6TH_ST>										
200	POT	10+00.00						519,598.581	219,450.523	
201	POT	16+20.00						520,157.442	219,182.056	
W 4TH STREET <4TH_ST>										
300	POT	20+00.00						519,957.815	220,189.035	
301	POT	29+00.00						520,768.803	219,798.780	

NOTES:
<XXXX> INDICATES GEOPAK ALIGNMENT NAMES.

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE

 DATE: 3/16/2023 LICENSE: 56164

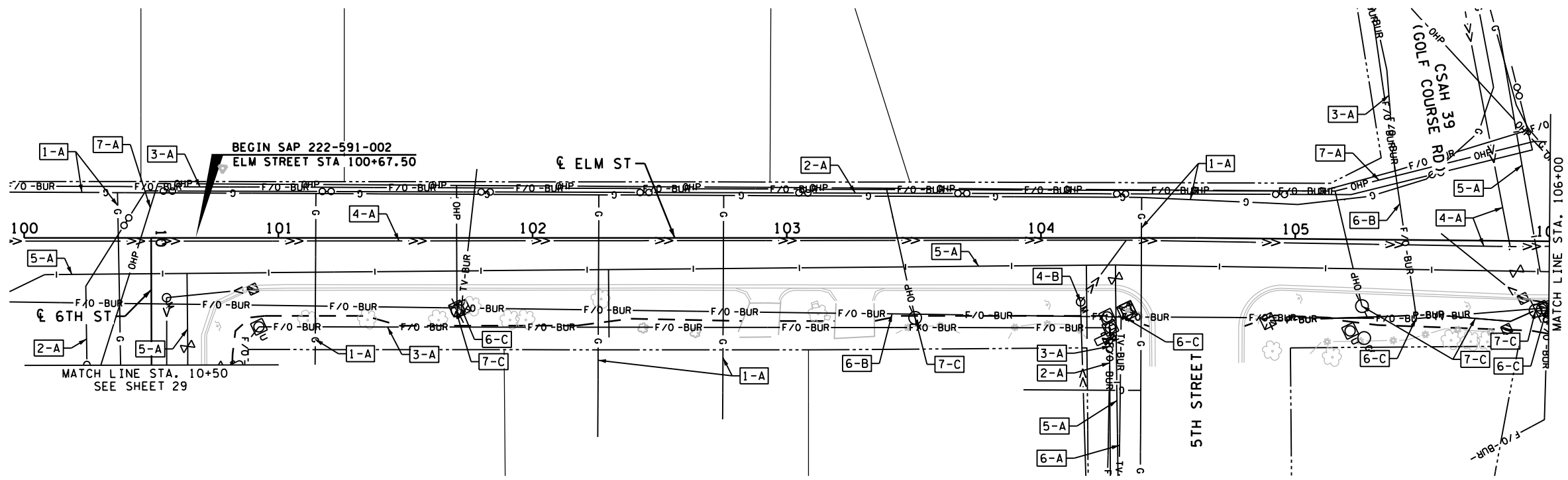


MONTICELLO, MINNESOTA

ALIGNMENT PLAN & TABULATION
 SAP 222-591-002

SHEET
 21
 OF
 60
 SHEETS

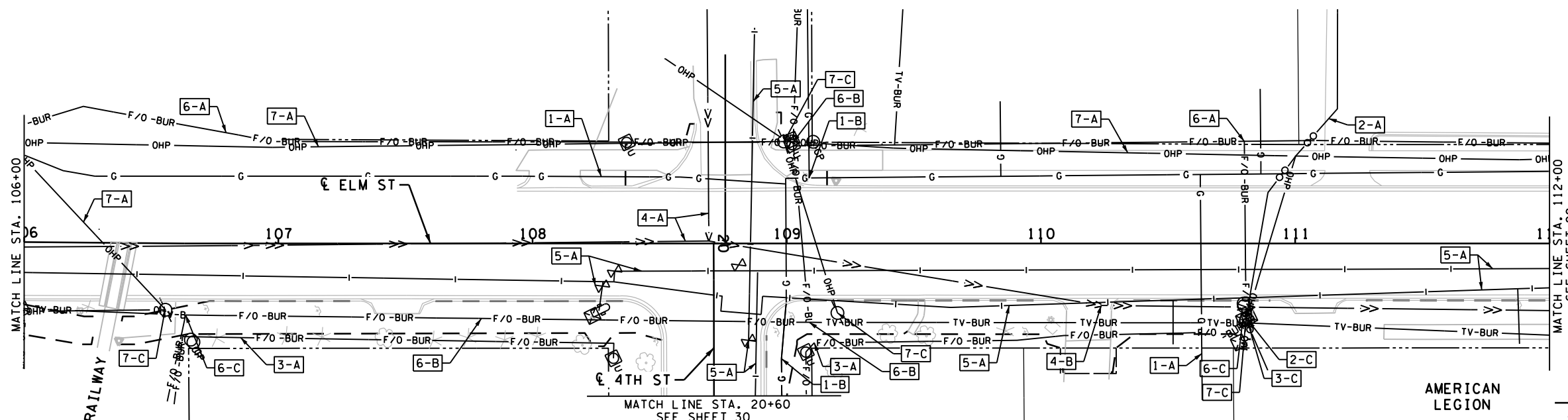
PLOTTED/REVISED: 3/17/2023



LEGEND

- TV-BUR — BURIED COPPER
- F/O -BUR — BURIED FIBER
- OO — BURIED COMM. LINE
- OHP — OVERHEAD POWER
- P-BUR — BURIED POWER
- G — BURIED GAS
- ☒ ☒ — PED BOX / HANDHOLE
- — POWER POLE
- ⊙ — LIGHT POST
- — MANHOLE
- — WATERMAIN
- - - - SANITARY SEWER
- - - - STORM SEWER
- - - - CONSTRUCTION LIMITS
- - - - RIGHT OF WAY

PATH & FILENAME: K:\02\243-000\Plan\02\243-000_top01.dgn



UTILITY NOTES

☐ 1-A UTILITY CONFLICT AREA (OWNER - IMPACT)

OWNERSHIP:
 (1) GENTERPOINT GAS, (2) CHARTER COMM.,
 (3) FIBERNET FIBER, (4) MONTICELLO SANITARY,
 (5) MONTICELLO WATERMAIN, (6) TDS TELECOM COMM.,
 (7) XCEL ENERGY ELECTRIC

IMPACTS NOTES ON PLAN SHEETS:
 (A) LEAVE AS IS, (B) ADJUST, (C) RELOCATE, (D) REMOVE

UTILITY CONFLICTS ARE DENOTED IN EXCAVATION AREAS ONLY.

SEE CONSTRUCTION PLANS AND DRAINAGE PLANS FOR PUBLIC UTILITY ADJUSTMENT AND RELOCATION DETAILS.

GENERAL NOTES:

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF ASCE/UESI/C1 38-22 ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE UTILITY COMPANIES. CALL GOPHER STATE ONE CALL (GSOC) AT LEAST 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

- THE OWNER AND IMPACT NOTES ARE BASED UPON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT THE ACTUAL EFFECTS ON THE UTILITIES BY CONSTRUCTION. FINAL DETERMINATIONS WILL BE MADE IN THE FIELD DURING CONSTRUCTION.

- SOME UTILITIES MAY HAVE RELOCATED PRIOR TO CONSTRUCTION.

- THE CONTRACTOR SHALL COORDINATE THEIR WORK AND COOPERATE WITH THE UTILITY OWNERS AND THEIR FORCES. SOME UTILITIES MAY NEED TO BE RELOCATED CONCURRENTLY WITH THE CONTRACTOR'S WORK.

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSINA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug

DATE: 3/16/2023 LICENSE: 56164

wsb

CITY OF Monticello Elm Street Improvements: SRTS
 Monticello, Minnesota

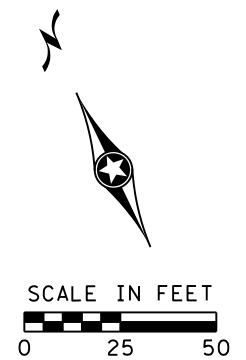
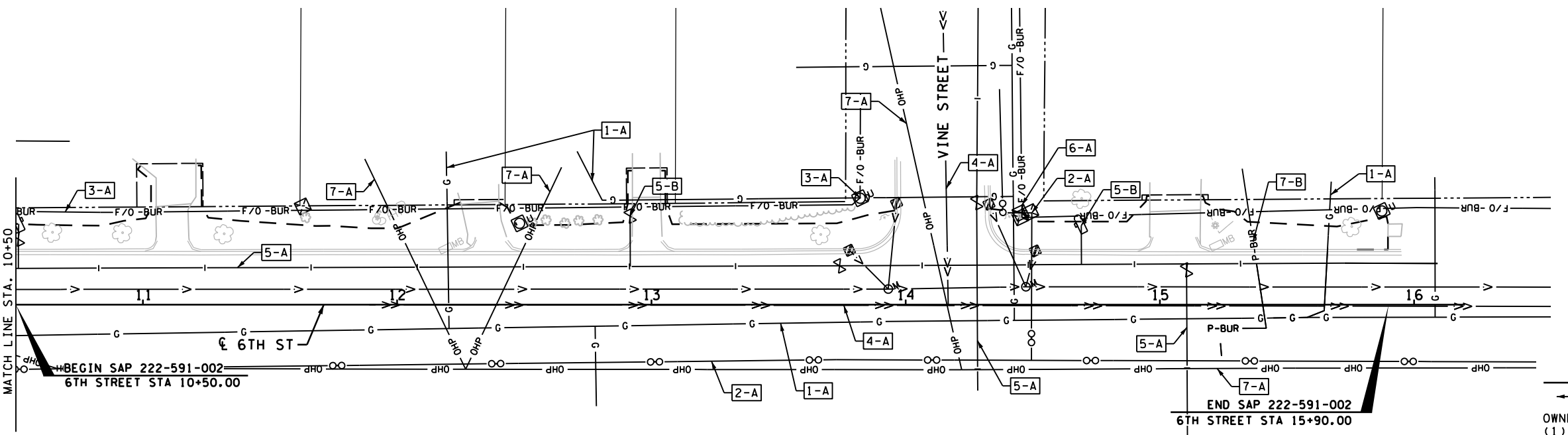
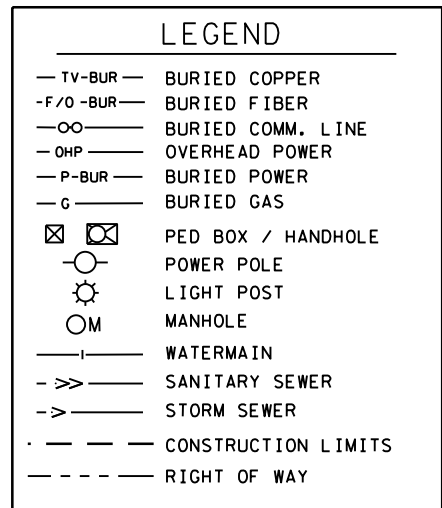
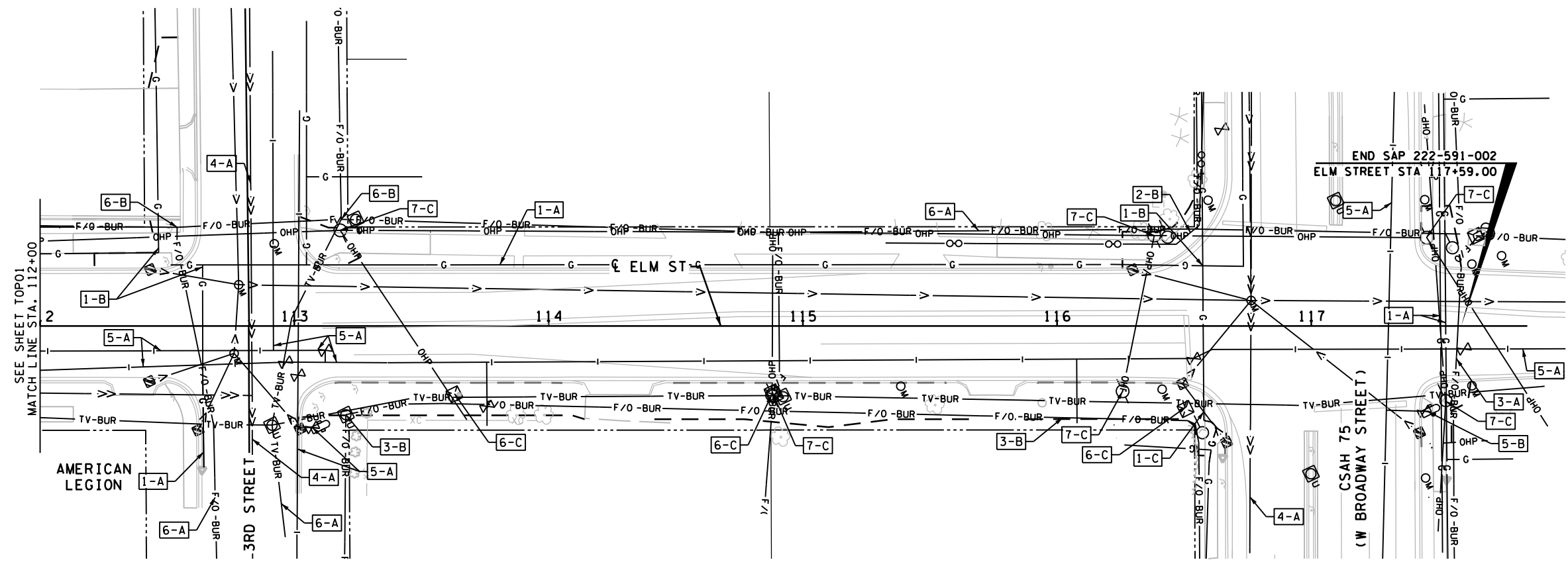
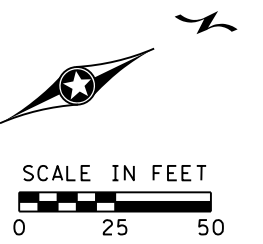
MONTICELLO, MINNESOTA

INPLACE TOPOGRAPHY & UTILITIES PLAN
 SAP 222-591-002

SHEET
22
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_top02.dgn



GENERAL NOTES:

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF ASCE/UESI/C1 38-22 ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE UTILITY COMPANIES. CALL GOPHER STATE ONE CALL (GSOC) AT LEAST 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

- THE OWNER AND IMPACT NOTES ARE BASED UPON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT THE ACTUAL EFFECTS ON THE UTILITIES BY CONSTRUCTION. FINAL DETERMINATIONS WILL BE MADE IN THE FIELD DURING CONSTRUCTION.
- SOME UTILITIES MAY HAVE RELOCATED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE THEIR WORK AND COOPERATE WITH THE UTILITY OWNERS AND THEIR FORCES. SOME UTILITIES MAY NEED TO BE RELOCATED CONCURRENTLY WITH THE CONTRACTOR'S WORK.

- UTILITY NOTES**
- [1-A] UTILITY CONFLICT AREA (OWNER - IMPACT)
- OWNERSHIP:
 (1) GENTERPOINT GAS, (2) CHARTER COMM.,
 (3) FIBERNET FIBER, (4) MONTICELLO SANITARY,
 (5) MONTICELLO WATERMAIN, (6) TDS TELECOM COMM.,
 (7) XCEL ENERGY ELECTRIC
- IMPACTS NOTES ON PLAN SHEETS:
 (A) LEAVE AS IS, (B) ADJUST, (C) RELOCATE, (D) REMOVE
 UTILITY CONFLICTS ARE DENOTED IN EXCAVATION AREAS ONLY.
- SEE CONSTRUCTION PLANS AND DRAINAGE PLANS FOR PUBLIC UTILITY ADJUSTMENT AND RELOCATION DETAILS.

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
 DATE: 3/16/2023 LICENSE: 56164

City of Monticello Elm Street Improvements: SRTS
 Monticello, Minnesota

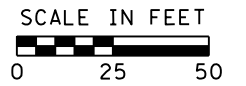
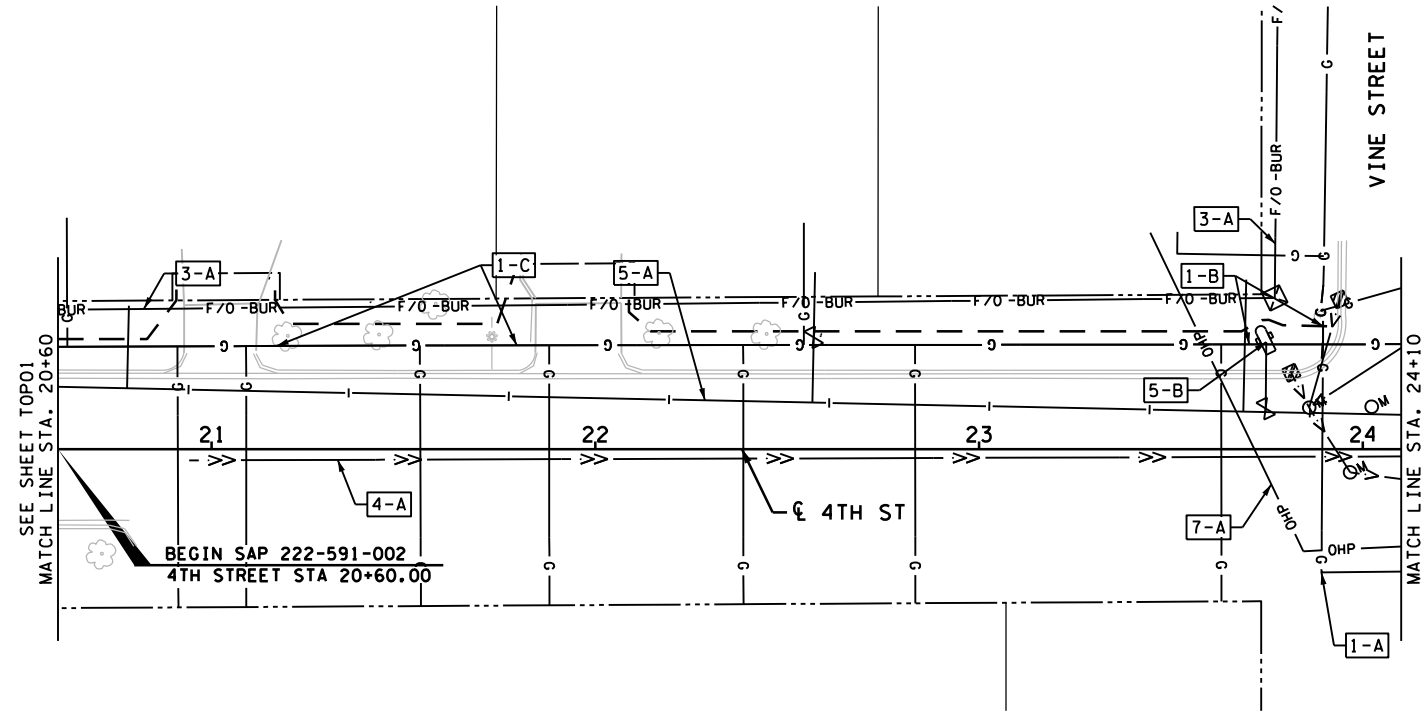
MONTICELLO, MINNESOTA

INPLACE TOPOGRAPHY & UTILITIES PLAN
 SAP 222-591-002

SHEET **23** OF **60** SHEETS

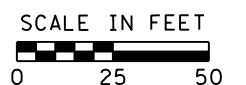
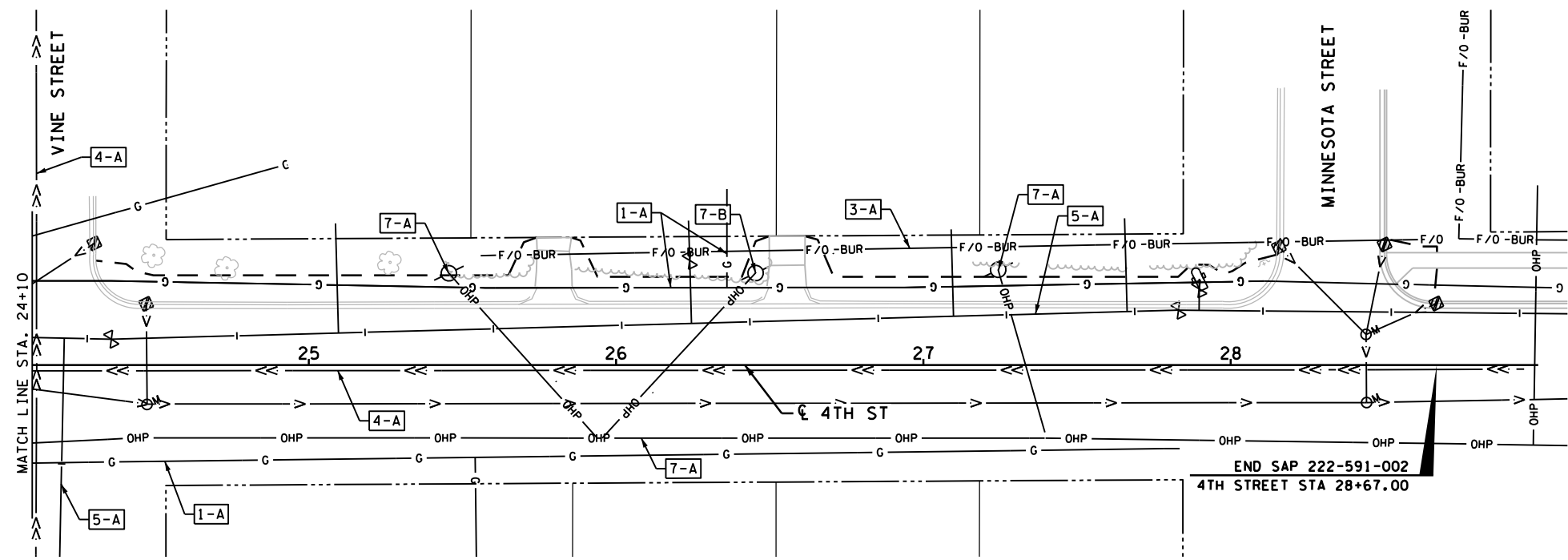
PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_top03.dgn



LEGEND

- TV-BUR - BURIED COPPER
- F/O-BUR - BURIED FIBER
- OO - BURIED COMM. LINE
- OHP - OVERHEAD POWER
- P-BUR - BURIED POWER
- G - BURIED GAS
- ☒ ☒ - PED BOX / HANDHOLE
- - POWER POLE
- ☼ - LIGHT POST
- M - MANHOLE
- - - - WATERMAIN
- >>> - SANITARY SEWER
- >>> - STORM SEWER
- - - - CONSTRUCTION LIMITS
- - - - RIGHT OF WAY



GENERAL NOTES:

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF ASCE/UESI/CI 38-22 ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE UTILITY COMPANIES. CALL GOPHER STATE ONE CALL (GSOC) AT LEAST 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

- THE OWNER AND IMPACT NOTES ARE BASED UPON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT THE ACTUAL EFFECTS ON THE UTILITIES BY CONSTRUCTION. FINAL DETERMINATIONS WILL BE MADE IN THE FIELD DURING CONSTRUCTION.
- SOME UTILITIES MAY HAVE RELOCATED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE THEIR WORK AND COOPERATE WITH THE UTILITY OWNERS AND THEIR FORCES. SOME UTILITIES MAY NEED TO BE RELOCATED CONCURRENTLY WITH THE CONTRACTOR'S WORK.

UTILITY NOTES

☒-1-A UTILITY CONFLICT AREA (OWNER - IMPACT)

OWNERSHIP:
 (1) GENTERPOINT GAS, (2) CHARTER COMM.,
 (3) FIBERNET FIBER, (4) MONTICELLO SANITARY,
 (5) MONTICELLO WATERMAIN, (6) TDS TELECOM COMM.,
 (7) XCEL ENERGY ELECTRIC

IMPACTS NOTES ON PLAN SHEETS:
 (A) LEAVE AS IS, (B) ADJUST, (C) RELOCATE, (D) REMOVE

UTILITY CONFLICTS ARE DENOTED IN EXCAVATION AREAS ONLY.

SEE CONSTRUCTION PLANS AND DRAINAGE PLANS FOR PUBLIC UTILITY ADJUSTMENT AND RELOCATION DETAILS.

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

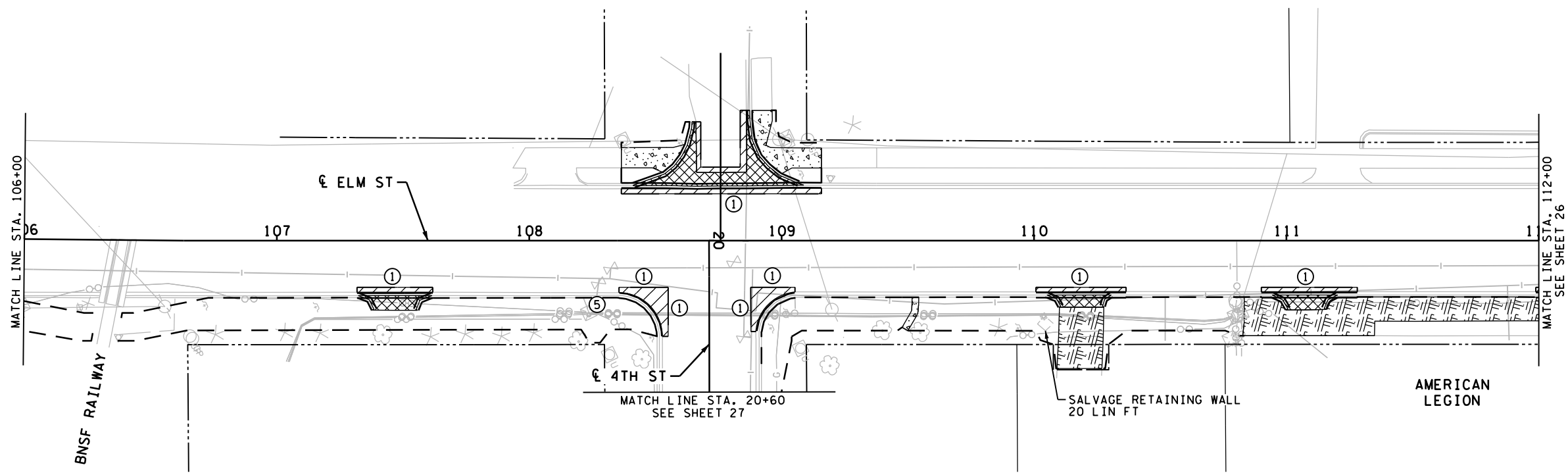
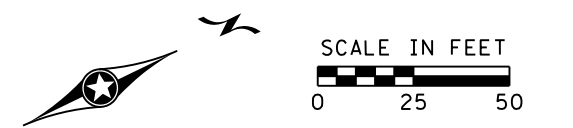
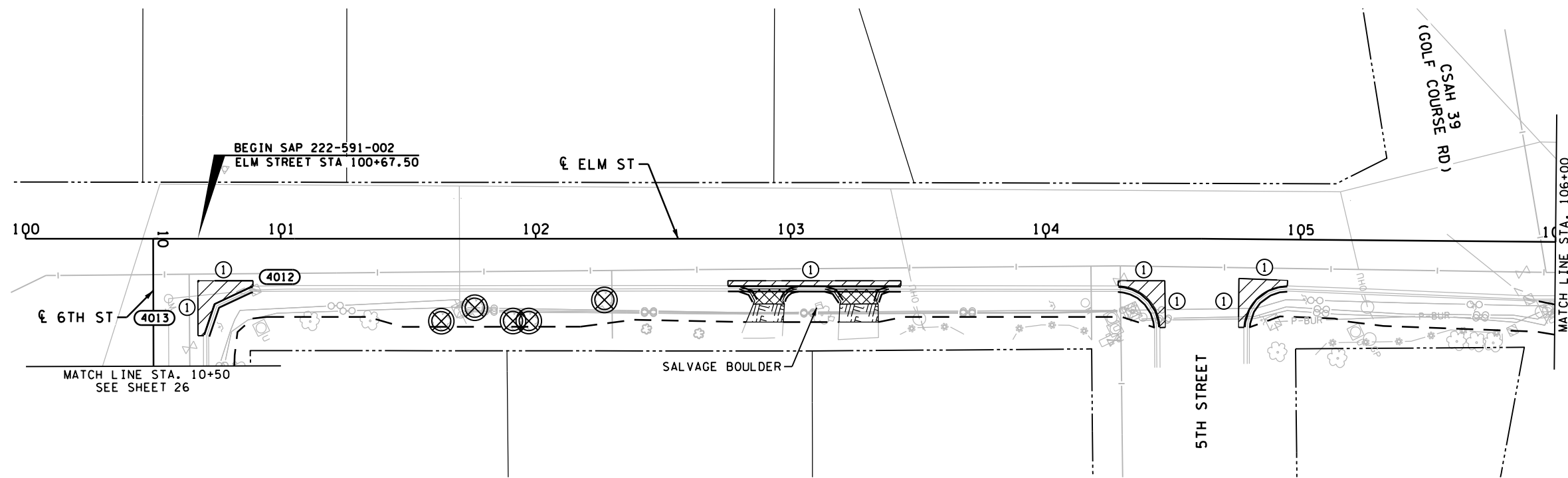
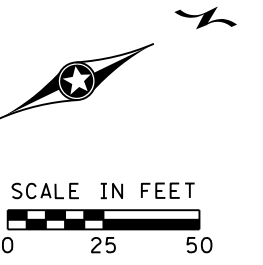
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
 DATE: 3/16/2023 LICENSE: 56164

MONTICELLO, MINNESOTA	SHEET 24 OF 60 SHEETS
INPLACE TOPOGRAPHY & UTILITIES PLAN SAP 222-591-002	

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_rem01.dgn



LEGEND

- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE DRIVEWAY PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE BITUMINOUS DRIVEWAY PAVEMENT
- REMOVE CURB & GUTTER
- CLEAR & GRUB TREE (EACH)
- SAWCUT BITUMINOUS PAVEMENT (FULL DEPTH)
- ADJUST FRAME & RING CASTING
- REMOVE HYDRANT
- ADJUST GATE VALVE
- RELOCATE HYDRANT
- EXISTING RIGHT OF WAY
- TEMPORARY EASEMENT

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE

 DATE: 3/16/2023 LICENSE: 56164

Elm Street Improvements: SRTS
 Monticello, Minnesota

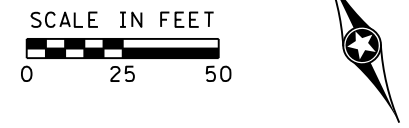
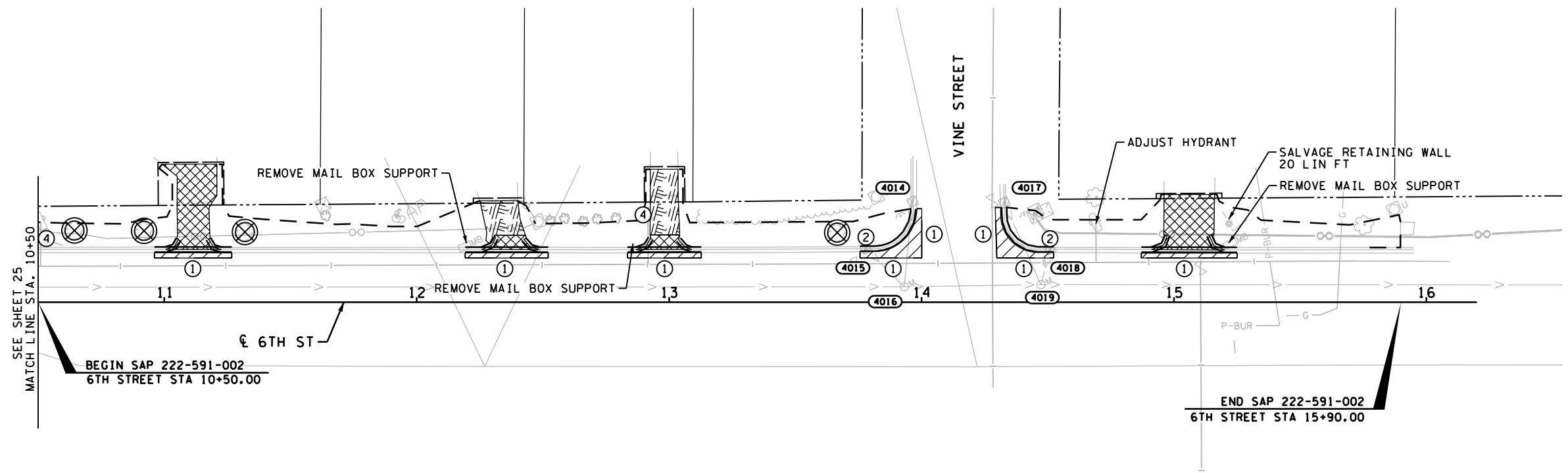
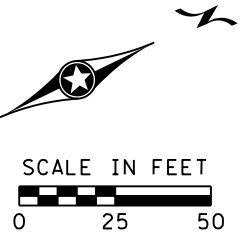
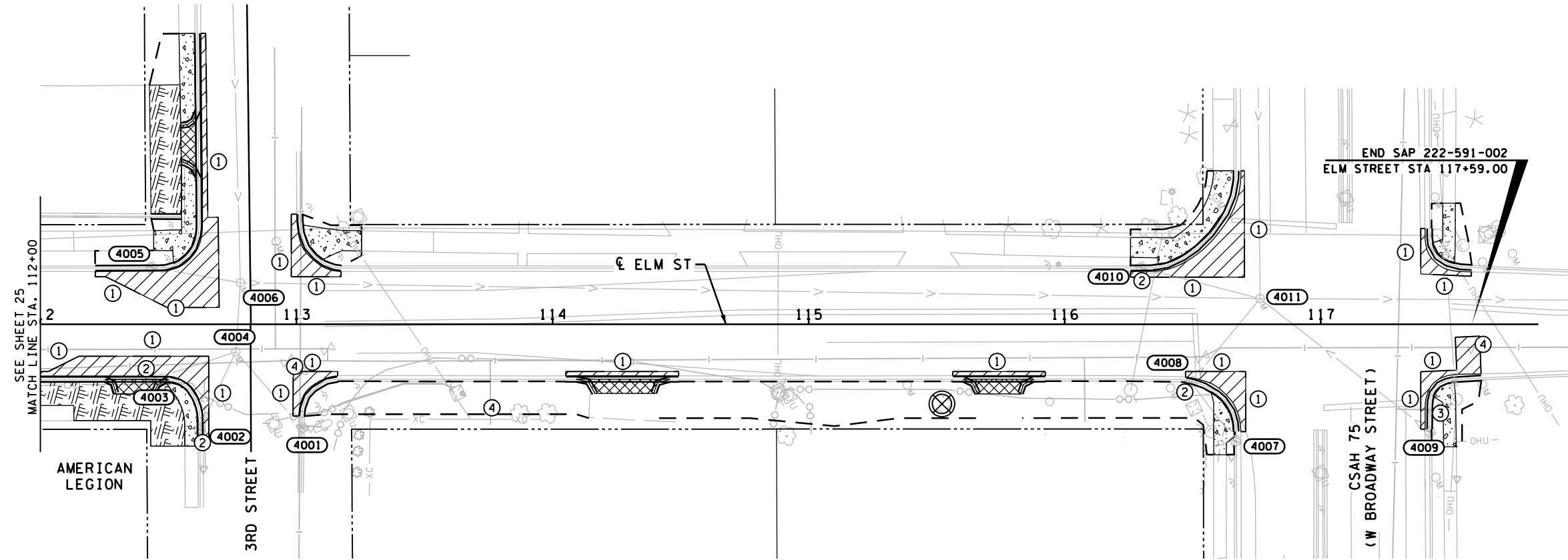
MONTICELLO, MINNESOTA

MISCELLANEOUS REMOVALS PLAN
 SAP 222-591-002

SHEET **25** OF **60** SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_rem02.dgn



LEGEND

	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE DRIVEWAY PAVEMENT
	REMOVE CONCRETE SIDEWALK
	REMOVE BITUMINOUS DRIVEWAY PAVEMENT
	REMOVE CURB & GUTTER
	CLEAR & GRUB TREE (EACH)
	SAWCUT BITUMINOUS PAVEMENT (FULL DEPTH)
	ADJUST FRAME & RING CASTING
	REMOVE HYDRANT
	ADJUST GATE VALVE
	RELOCATE HYDRANT
	EXISTING RIGHT OF WAY
	TEMPORARY EASEMENT

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
Plan By: MKV
Checked By: KH
Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
DATE: 3/16/2023 LICENSE: 56164



CITY OF Monticello
Elm Street Improvements: SRTS
Monticello, Minnesota

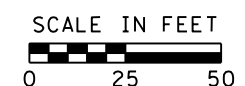
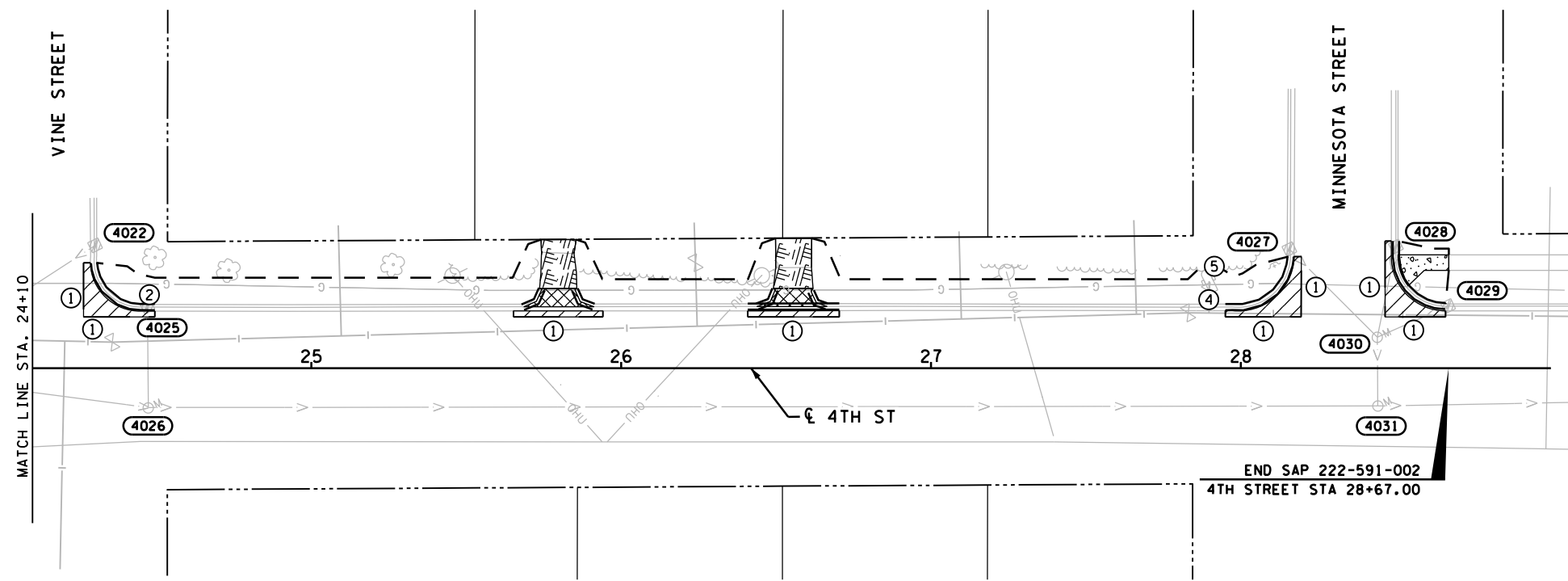
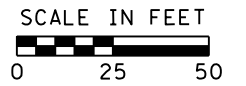
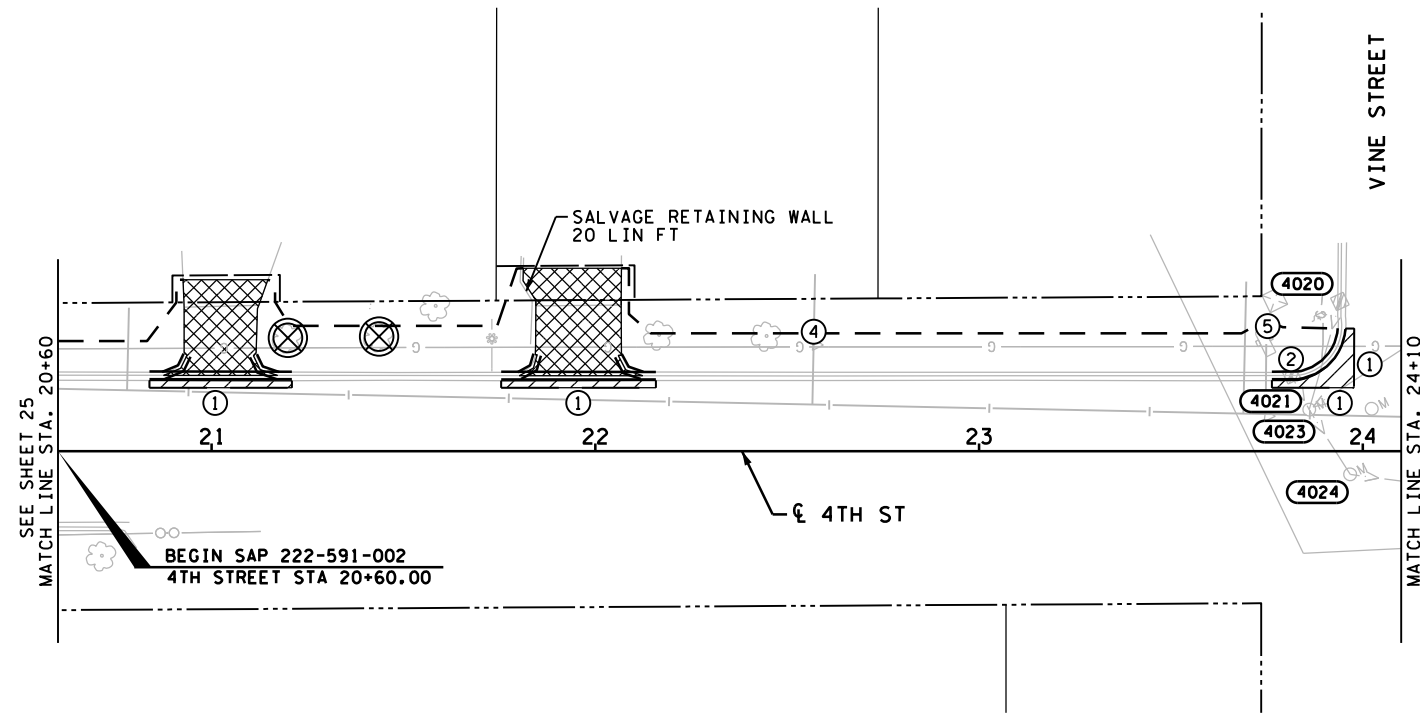
MONTICELLO, MINNESOTA

MISCELLANEOUS REMOVALS PLAN
SAP 222-591-002

SHEET
26
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_rem03.dgn



LEGEND

	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE DRIVEWAY PAVEMENT
	REMOVE CONCRETE SIDEWALK
	REMOVE BITUMINOUS DRIVEWAY PAVEMENT
	REMOVE CURB & GUTTER
	CLEAR & GRUB TREE (EACH)
	SAWCUT BITUMINOUS PAVEMENT (FULL DEPTH)
	ADJUST FRAME & RING CASTING
	REMOVE HYDRANT
	ADJUST GATE VALVE
	RELOCATE HYDRANT
	EXISTING RIGHT OF WAY
	TEMPORARY EASEMENT

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE

 DATE: 3/16/2023 LICENSE: 56164



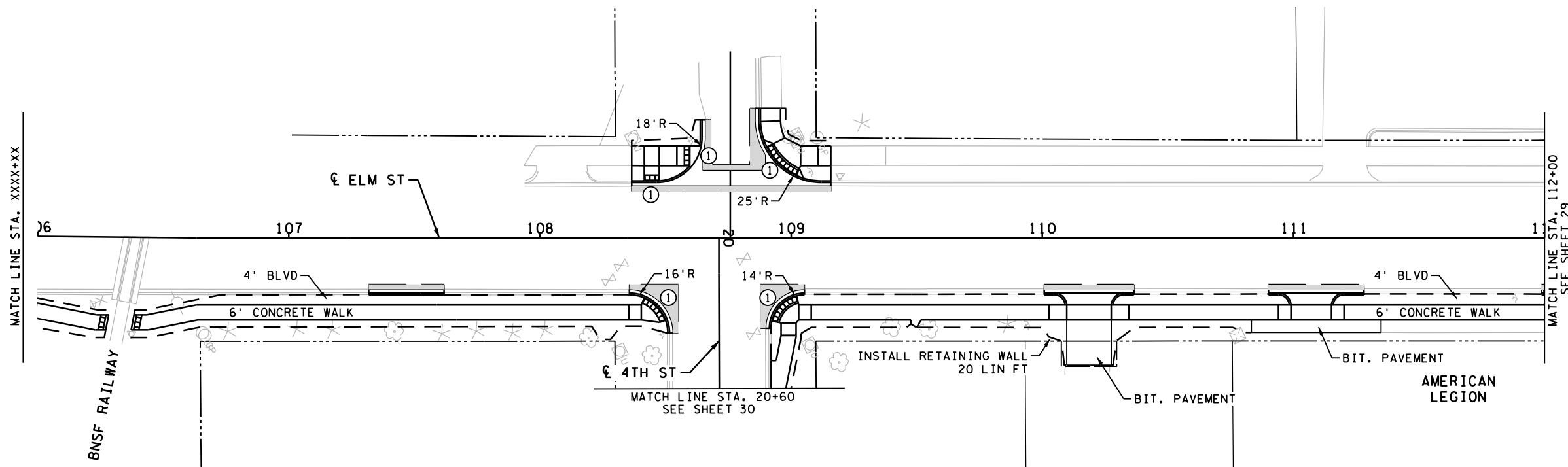
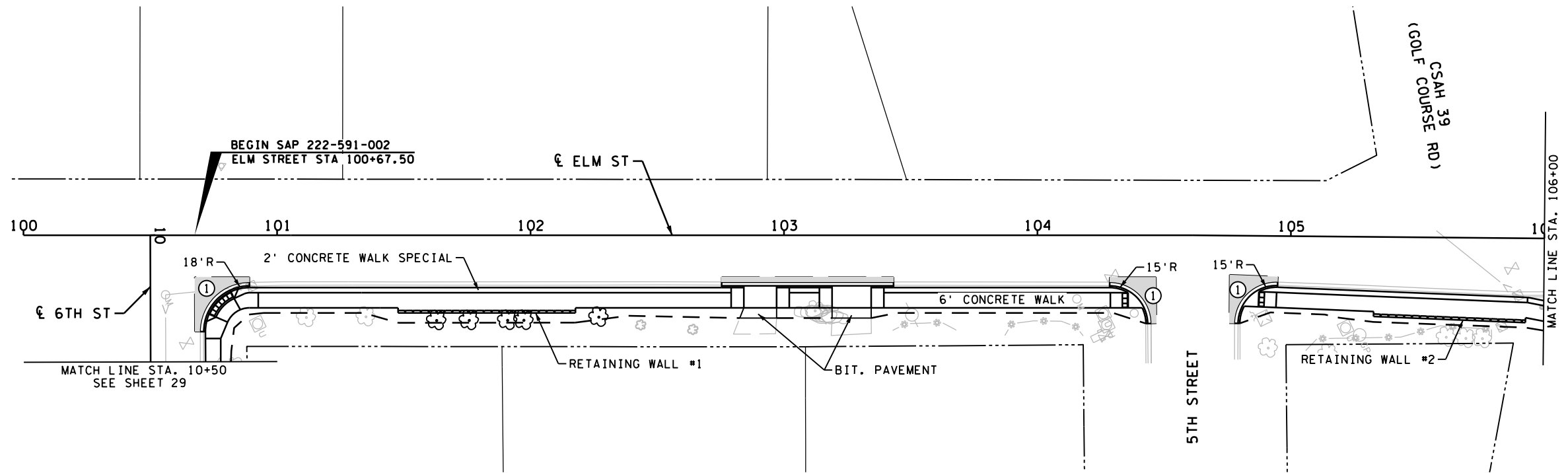
MONTICELLO, MINNESOTA

MISCELLANEOUS REMOVALS PLAN
 SAP 222-591-002

SHEET 27 OF 60 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_cp01.dgn



- LEGEND**
- ① SIDEWALK PEDESTRIAN CURB RAMP
SEE STD PLANS & INTERSECTION DETAILS
 - ☼ DECIDUOUS TREE 2" CAL B&B
 - FULL DEPTH BITUMINOUS PATCHING
 - - - CONSTRUCTION LIMITS
 - - - EXISTING RIGHT-OF-WAY
 - - - TEMPORARY EASEMENT

- NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.
 2. ALL CURB AND GUTTER TO BE CONCRETE CURB AND GUTTER DESIGN B618 UNLESS OTHERWISE NOTED.
 3. SEE MISCELLANEOUS DETAILS FOR DRIVEWAY AND ENTRANCE DESIGN DETAILS

NO.	DATE	BY	CHK	REVISIONS

Design By:	MKV	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSINA. PRINT NAME: MARCUS VANDERBRUG, PE <i>Marcus Vanderbrug</i> DATE: 3/16/2023 LICENSE: 56164
Plan By:	MKV	
Checked By:	KH	
Approved By:	MKV	



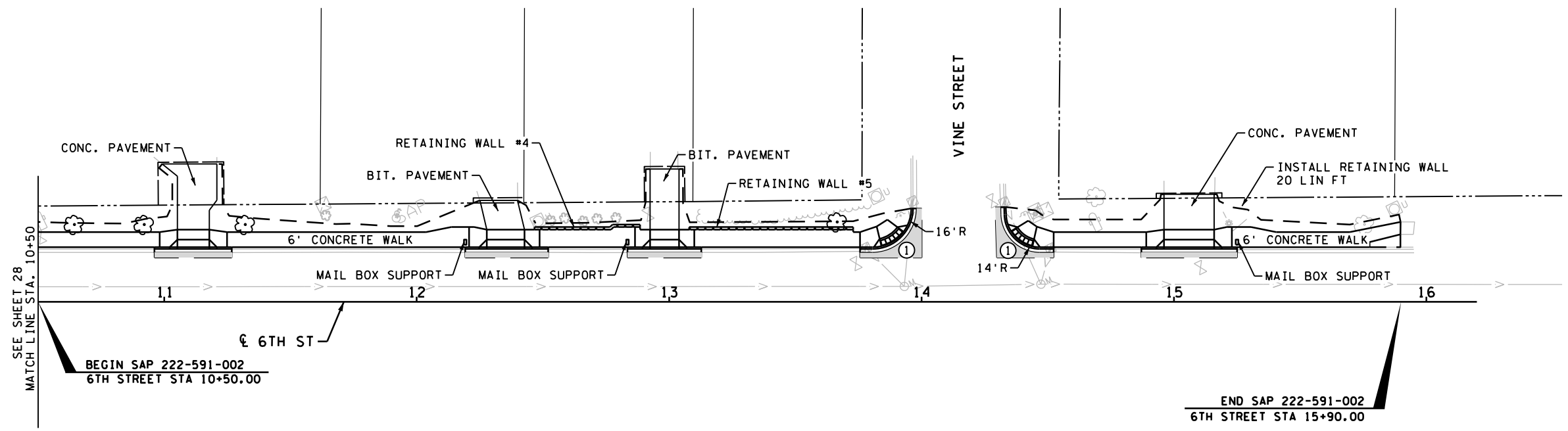
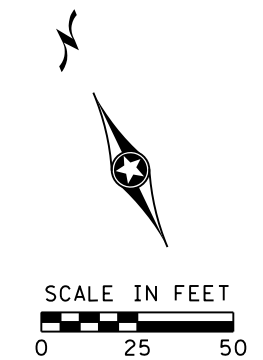
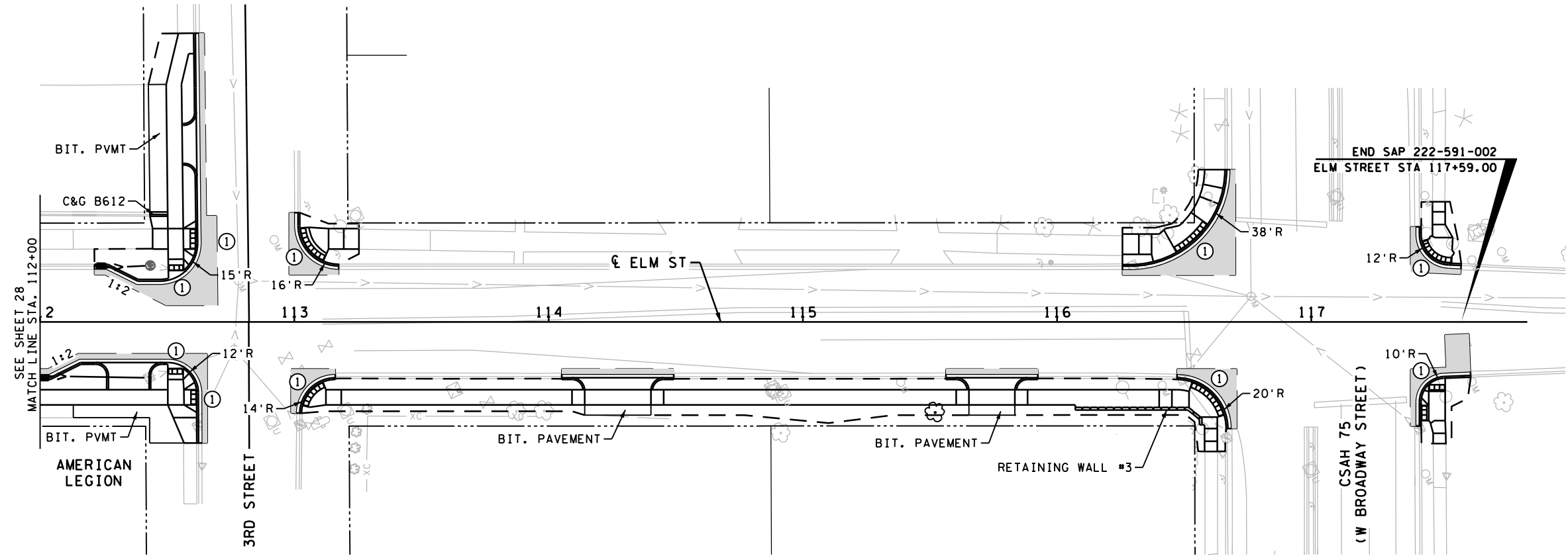
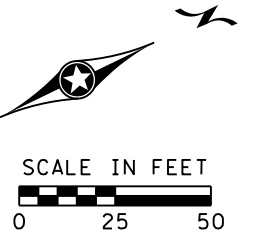
MONTICELLO, MINNESOTA

CONSTRUCTION PLAN
SAP 222-591-002

SHEET
28
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_cp02.dgn



- LEGEND**
- ① SIDEWALK PEDESTRIAN CURB RAMP
SEE STD PLANS & INTERSECTION DETAILS
 - ☁ DECIDUOUS TREE 2" CAL B&B
 - FULL DEPTH BITUMINOUS PATCHING
 - CONSTRUCTION LIMITS
 - - - EXISTING RIGHT-OF-WAY
 - - - TEMPORARY EASEMENT
- NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.
 2. ALL CURB AND GUTTER TO BE CONCRETE CURB AND GUTTER DESIGN B618 UNLESS OTHERWISE NOTED.
 3. SEE MISCELLANEOUS DETAILS FOR DRIVEWAY AND ENTRANCE DESIGN DETAILS

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

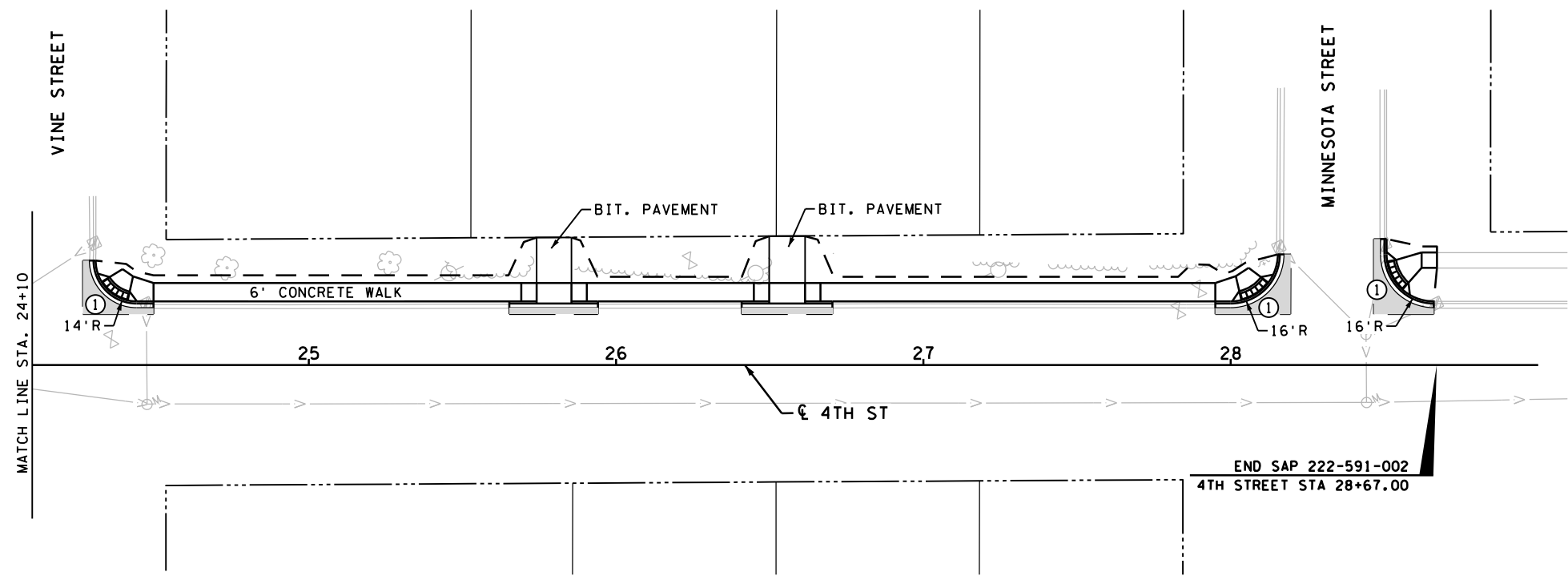
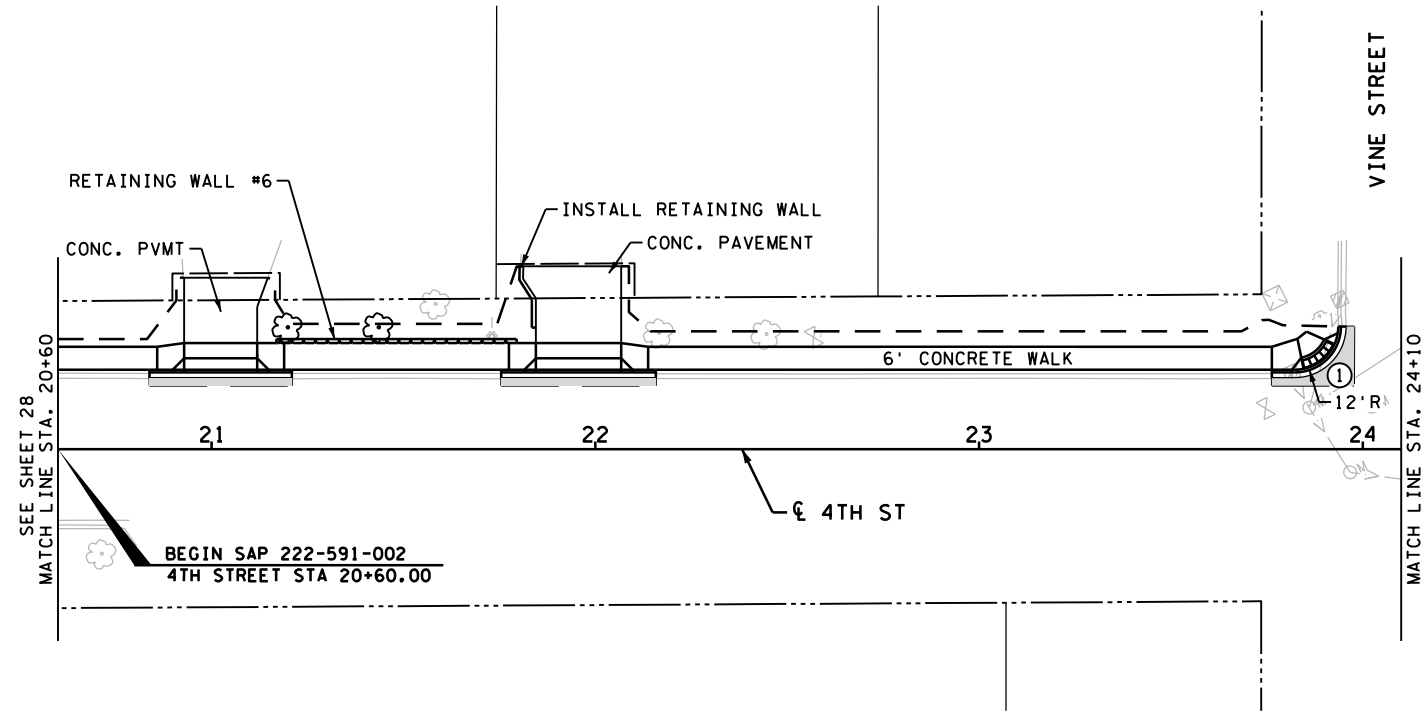
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
 DATE: 3/16/2023 LICENSE: 56164

Elm Street Improvements: SRTS
 Monticello, Minnesota

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_cp03.dgn



LEGEND

- ① SIDEWALK PEDESTRIAN CURB RAMP SEE STD PLANS & INTERSECTION DETAILS
- ☼ DECIDUOUS TREE 2' CAL B&B
- FULL DEPTH BITUMINOUS PATCHING
- - - CONSTRUCTION LIMITS
- - - EXISTING RIGHT-OF-WAY
- - - TEMPORARY EASEMENT

- NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.
 2. ALL CURB AND GUTTER TO BE CONCRETE CURB AND GUTTER DESIGN B618 UNLESS OTHERWISE NOTED.
 3. SEE MISCELLANEOUS DETAILS FOR DRIVEWAY AND ENTRANCE DESIGN DETAILS

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV
 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: MARCUS VANDERBRUG, PE
 DATE: 3/16/2023 LICENSE: 56164



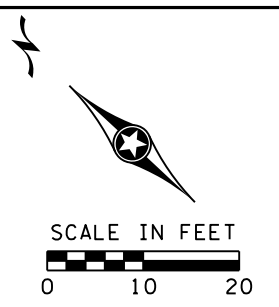


Elm Street Improvements: SRTS
Monticello, Minnesota

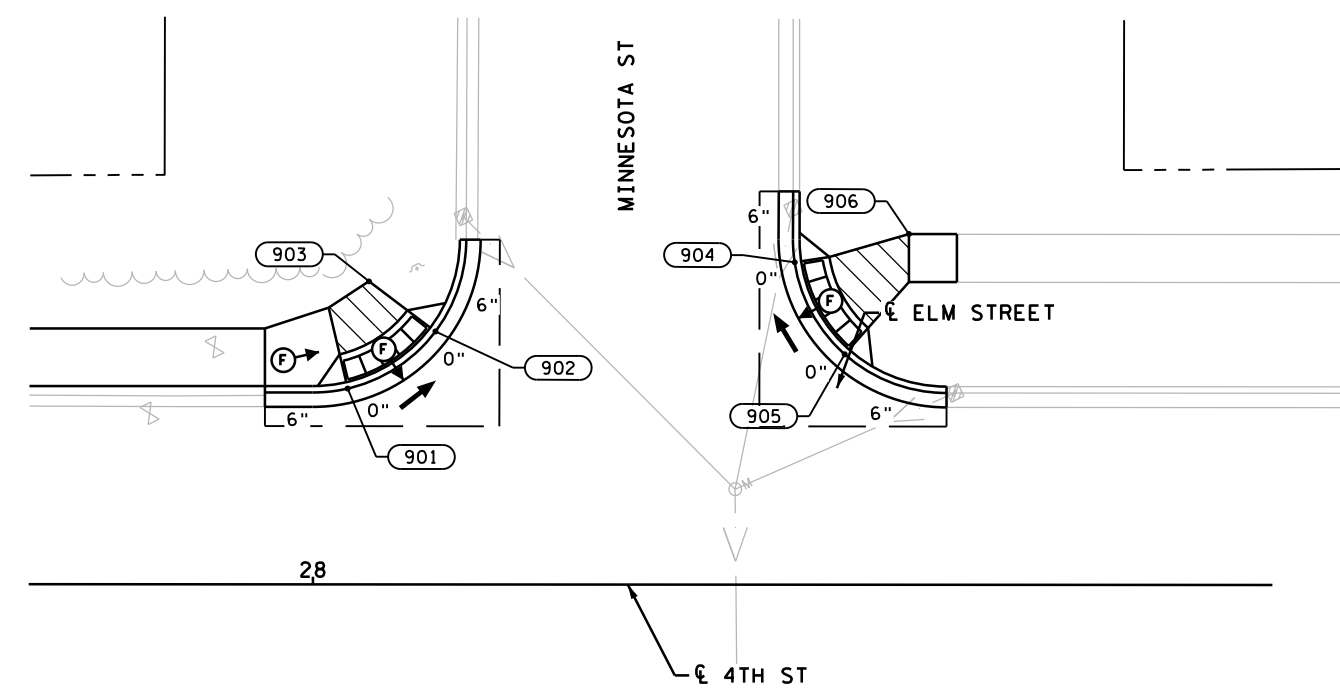
MONTICELLO, MINNESOTA

CONSTRUCTION PLAN
SAP 222-591-002

SHEET
30
OF
60
SHEETS



GUTTERLINE POINTS			
POINT NO.	X	Y	ELEV
901	520690.80	219858.98	929.93
902	520701.63	219860.38	929.84
903	520697.64	219868.08	930.01
904	520738.50	219850.66	929.98
905	520739.04	219839.76	930.10
906	520750.51	219848.17	930.19



LEGEND	
	PUSH BUTTON STATION
	RRFB PEDESTAL
	EXISTING SIGNAL POLE
	CONTROL POINTS AT GUTTER FLOW LINE
	TRUNCATED DOMES (SEE STANDARD PLATE 7038)
	CATCH BASIN
	CURB HEIGHT
	LANDING AREA - 4' X 4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS.
	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.
	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.
	DRAINAGE FLOW ARROW
	MAX. 2.0% SLOPE IN ALL DIRECTIONS

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

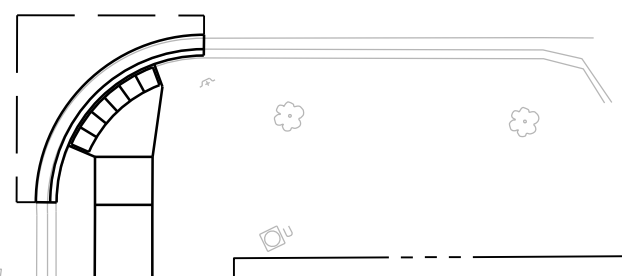
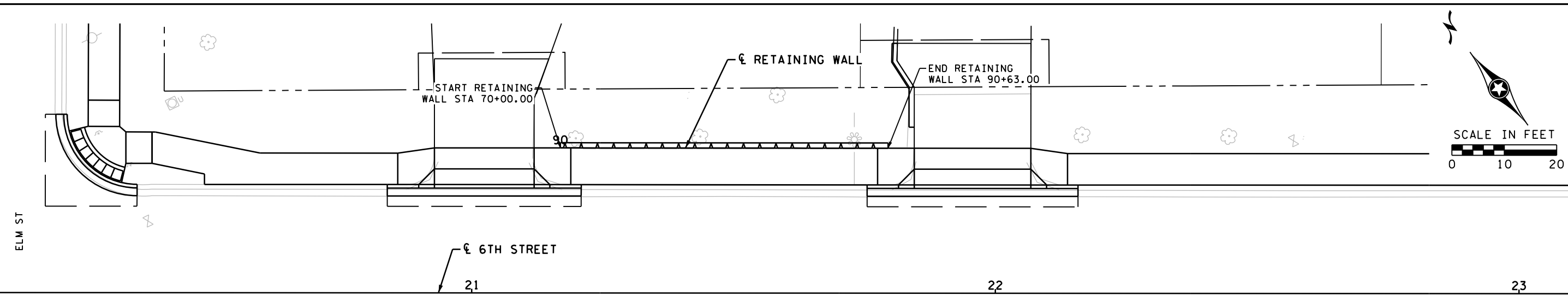
PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
 DATE: 3/16/2023 LICENSE: 56164

CITY OF Monticello **Elm Street Improvements: SRTS**
 Monticello, Minnesota

MONTICELLO, MINNESOTA

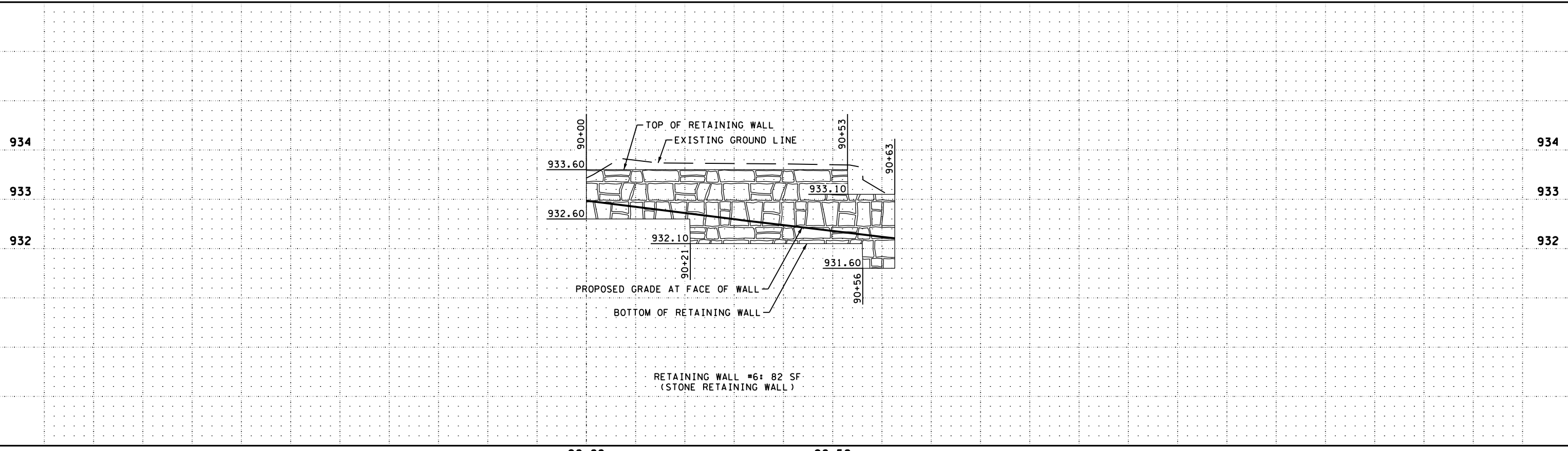
PEDESTRIAN RAMP DETAILS
 SAP 222-591-002

SHEET
34
OF
60
SHEETS



- NOTES:**
1. ALL STATIONS AND OFFSETS ARE TO THE FRONT FACE OF THE WALL AT THE PROPOSED GROUND LINES. (UNLESS OTHERWISE NOTED)
 2. EXACT ELEVATIONS OF STONE RETAINING WALL ARE APPROXIMATE. WALL SHALL MATCH TIE IN GRADE IN FIELD.
 3. STRUCTURAL EXCAVATION, LEVELING PAD, DRAINAGE SYSTEM, GRANULAR BACKFILL, GEOGRID AND ANY OTHER ITEM NOT SPECIFICALLY MENTIONED IS CONSIDERED INCIDENTAL.
 4. STONE RETAINING WALL AREA IS CALCULATED AS THE TOTAL BLOCK PLACED, INCLUDING THE BURIED DEPTH - AS INDICATED IN THE PLANS. ADDITIONAL BLOCK PLACED BEYOND WHAT IS SHOWN IN THE PLANS SHALL BE APPROVED BY THE ENGINEER.

--- RETAINING WALL 6 ---



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
Plan By: MKV
Checked By: KH
Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

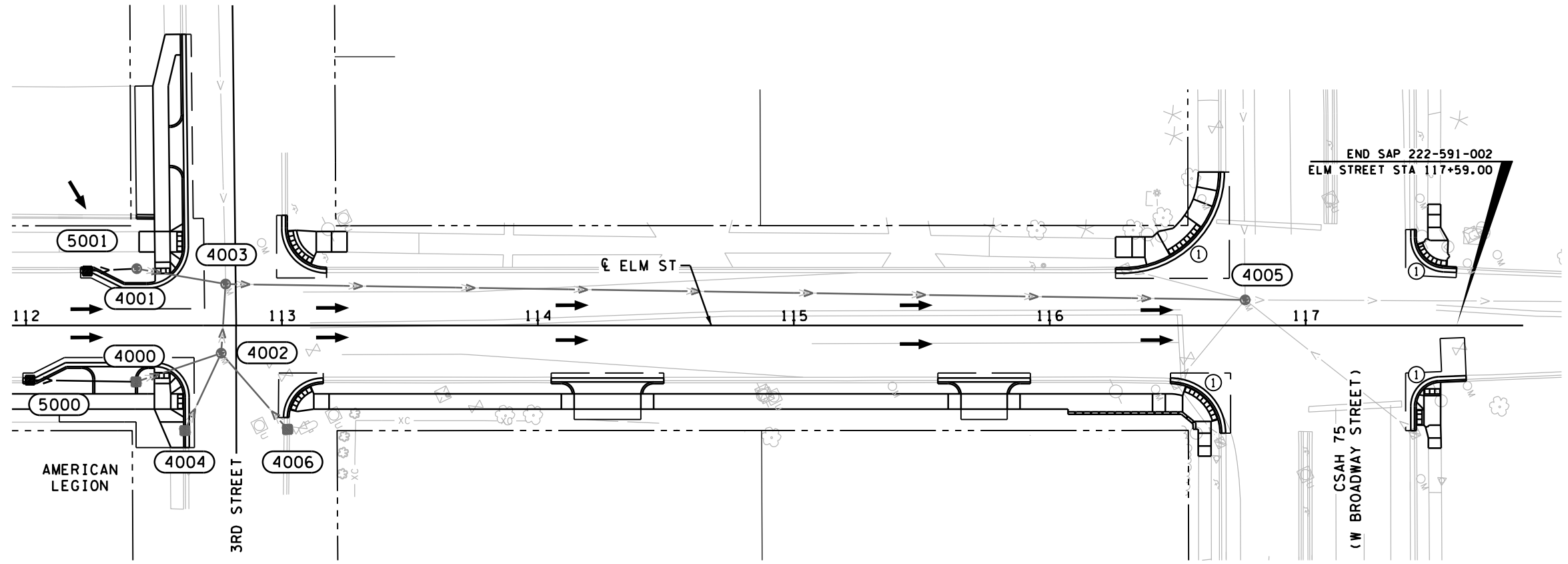
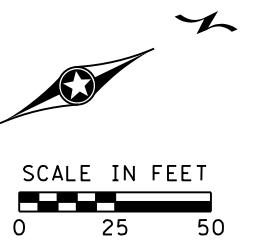
PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
DATE: 3/16/2023 **LICENSE:** 56164



MONTICELLO, MINNESOTA

RETAINING WALL PLAN & PROFILE
 SAP 222-591-002

SHEET
 37
 OF
 60
 SHEETS



END SAP 222-591-002
ELM STREET STA 117+59.00

LEGEND

- CATCH BASIN
- MANHOLE
- STRUCTURE
- SURFACE FLOW DIRECTION
- STORM SEWER PIPE
- INPLACE STORM SEWER

GENERAL NOTES

1. ALL DIMENSIONS ARE TO EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.
2. SEE ROADWAY PROFILE FOR ALL HIGH AND LOW POINTS.

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\021243-000.dwg

NO.	DATE	BY	CHK	REVISIONS

Design By: GFT
Plan By: GFT
Checked By: LP
Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: EARTH A. EVANS, PE
DATE: 3/16/2023 LICENSE #: 44235



MONTICELLO, MINNESOTA





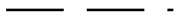
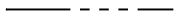
DRAINAGE PLAN
SAP 222-591-002


SHEET
39
OF
60
SHEETS


TURF ESTABLISHMENT & EROSION CONTROL NOTES

- 1. SEDIMENT CONTROL MUST BE IN PLACE AND APPROVED BY ENGINEER BEFORE ANY PHASE OF CONSTRUCTION CAN BEGIN.
- 2. TEMPORARY STABILIZATION MEASURES SHALL BE EMPLOYED WITHIN 200' OF THE NORMAL WETTED PERIMETER OF ALL DISCHARGE POINTS WITHIN 24 HOURS. MULCH IS NOT AN APPROVED MEASURE.
- 3. IN THE EVENT THAT PERMANENT STABILIZATION CANNOT BE IMPLEMENTED WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THE DISTURBED AREA HAS CEASED, TEMPORARY STABILIZATION BMPs MUST BE SCHEDULED TO OCCUR WITHIN THAT 7 DAY TIME FRAME (EXCEPT WHERE CALLED OUT BY NOTE 2)
- 4. ALL STOCKPILES MUST HAVE DOWN GRADIENT PERIMETER SEDIMENT CONTROL IMPLEMENTED AND MAINTAINED AT ALL TIMES. STOCKPILES TO RECEIVE TEMPORARY STABILIZATION VIA RAPID STABILIZATION METHOD 3 IF UNWORKED FOR 7 DAYS.
- 5. STOCKPILES MAY NOT BE PLACED WITHIN ANY DRAINAGE OR CURB LINE UNLESS PROPER BYPASS IS INSTALLED PRIOR TO STOCKPILE PLACEMENT.
- 6. STABILIZATION OF DISTURBED AREAS SHALL BE DONE BY PERMANENT TURF ESTABLISHMENT WHENEVER POSSIBLE.
- 7. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
- 8. IN THE EVENT THAT DEWATERING OPERATIONS NEED TO OCCUR, A DEWATERING PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE ANY OPERATIONS TAKE PLACE. THE PLAN MUST BE DEVELOPED IN ACCORDANCE WITH THE SWPPP GUIDELINES.
- 9. SLURRY FROM CONCRETE OPERATIONS MUST BE VACUUMED UP IMMEDIATELY. NO CONCRETE WASHOUT SHALL COME IN CONTACT WITH THE GROUND AND MUST BE PROPERLY DISPOSED OF.
- 10. ALL HAZARDOUS MATERIALS MUST BE KEPT UNDER COVER AND WITHIN PROPER CONTAINMENT WHEN NOT IN USE.
- 11. A SIGN MUST BE INSTALLED ADJACENT TO EACH CONCRETE WASHOUT FACILITY.

EROSION CONTROL LEGEND

 WETLAND BOUNDARY
 SEDIMENT CONTROL LOG TYPE WOOD FIBER
 STORM DRAIN INLET PROTECTION
 POST-CONSTRUCTION FLOW ARROW
 CONSTRUCTION LIMITS
 RIGHT OF WAY

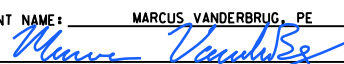
 PERMANENT:
 SODDING TYPE LAWN

 TEMPORARY:
 HYDRAULIC STABILIZED FIBER MATRIX
 (3000 LBS/ACRE)

NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: MKV
 Checked By: KH
 Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE


DATE: 3/16/2023 LICENSE: 56164

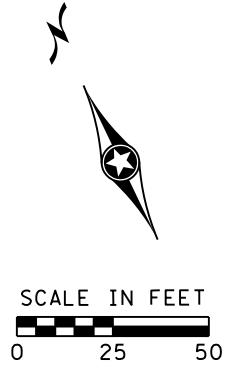
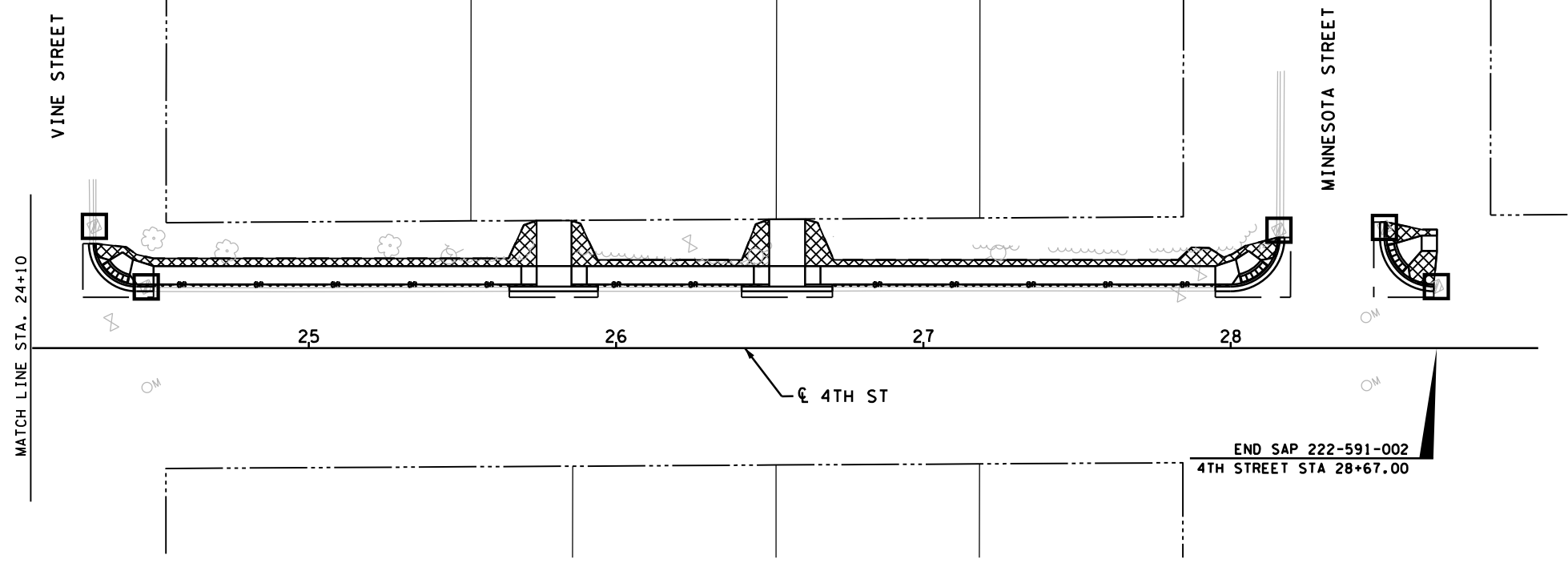
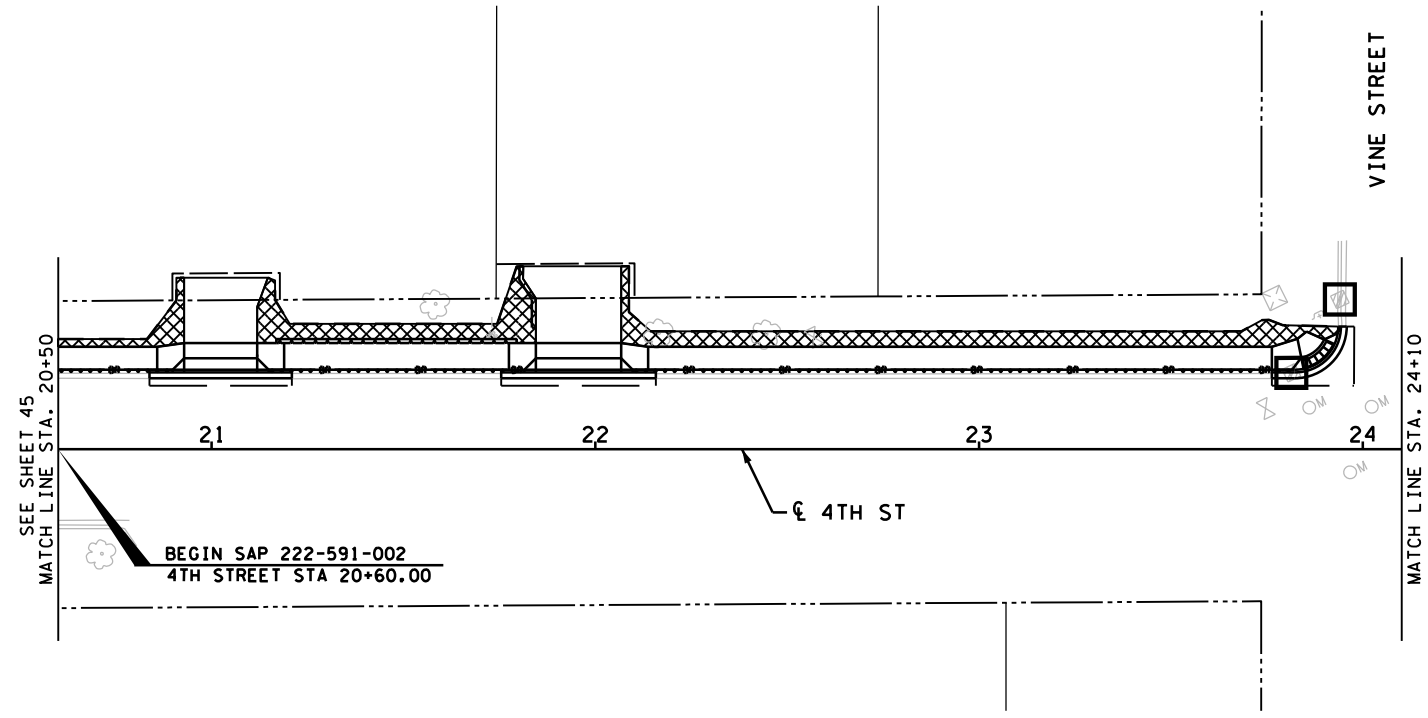


Elm Street Improvements: SRTS
 Monticello, Minnesota

MONTICELLO, MINNESOTA
TURF ESTABLISHMENT & EROSION CONTROL PLAN
 SAP 222-591-002

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\000\Plan\02\243-000_t003.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
Plan By: MKV
Checked By: KH
Approved By: MKV

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: MARCUS VANDERBRUG, PE
Marcus Vanderbrug
DATE 3/16/2023 LICENSE 56164

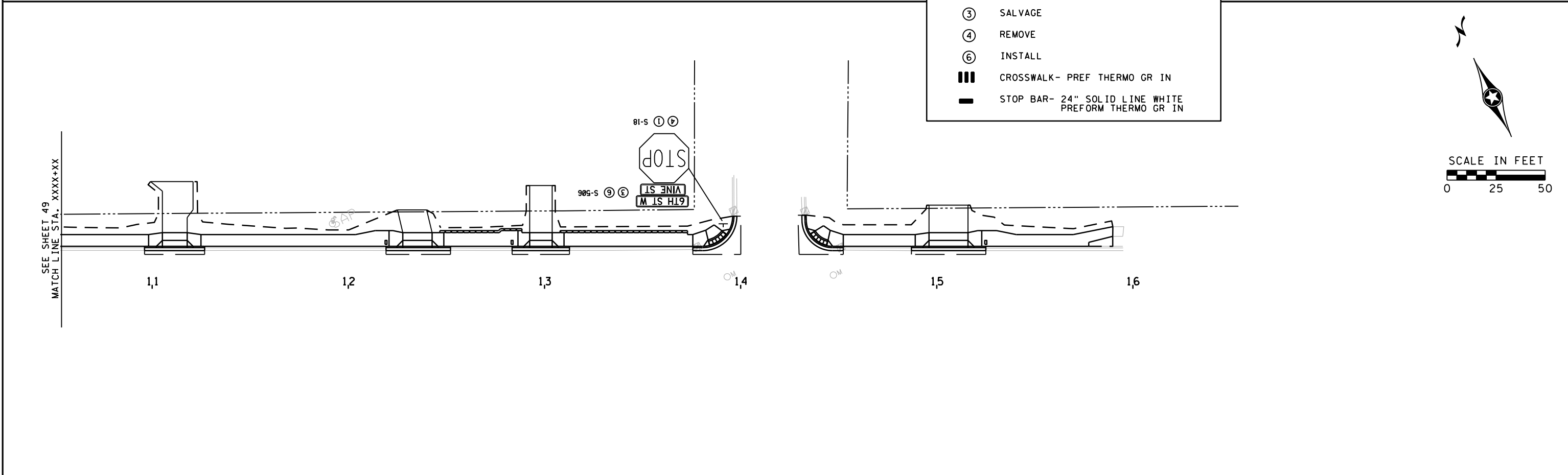
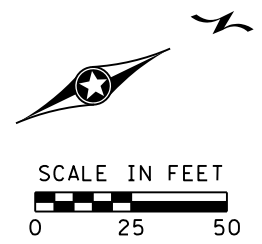
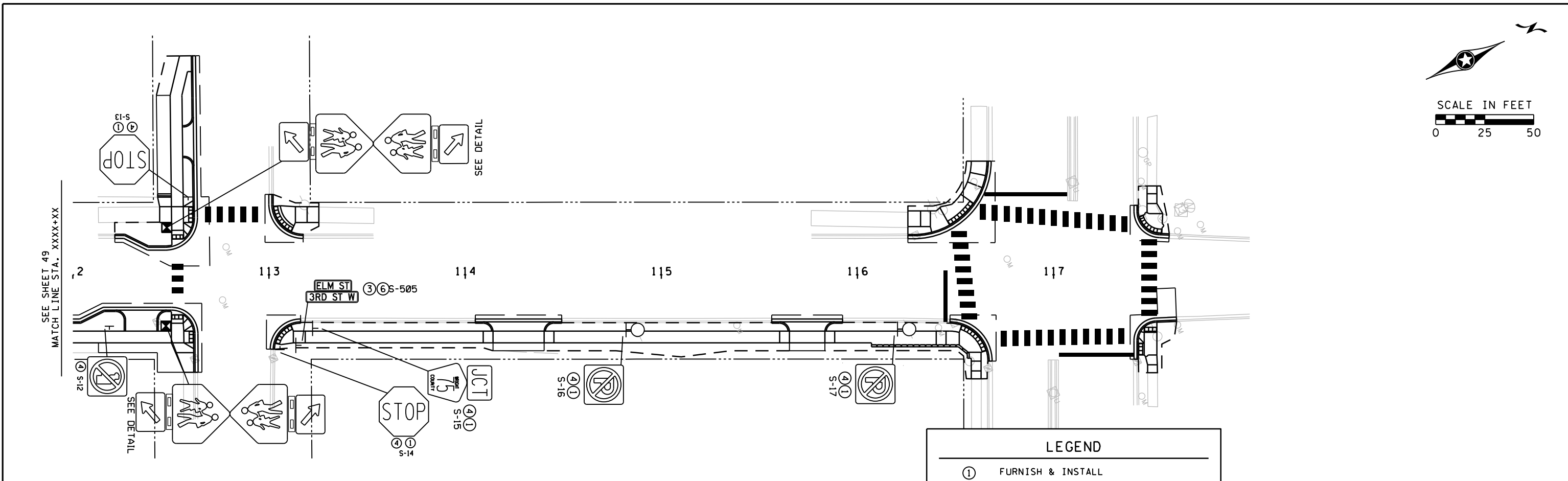


MONTICELLO, MINNESOTA
TURF ESTABLISHMENT & EROSION CONTROL PLAN
SAP 222-591-002

SHEET 47 OF 60 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_ss02.dgn



LEGEND	
①	FURNISH & INSTALL
③	SALVAGE
④	REMOVE
⑥	INSTALL
	CROSSWALK- PREF THERMO GR IN
	STOP BAR- 24" SOLID LINE WHITE PREFORM THERMO GR IN

NO.	DATE	BY	CHK	REVISIONS

Design By: MF
 Plan By: MF
 Checked By: ES
 Approved By: SD

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: SEAN DELMORE, PE
Sean Delmore
 DATE: 3/16/2023 LICENSE # 40945

Elm Street Improvements: SRTS
Monticello, Minnesota

MONTICELLO, MINNESOTA

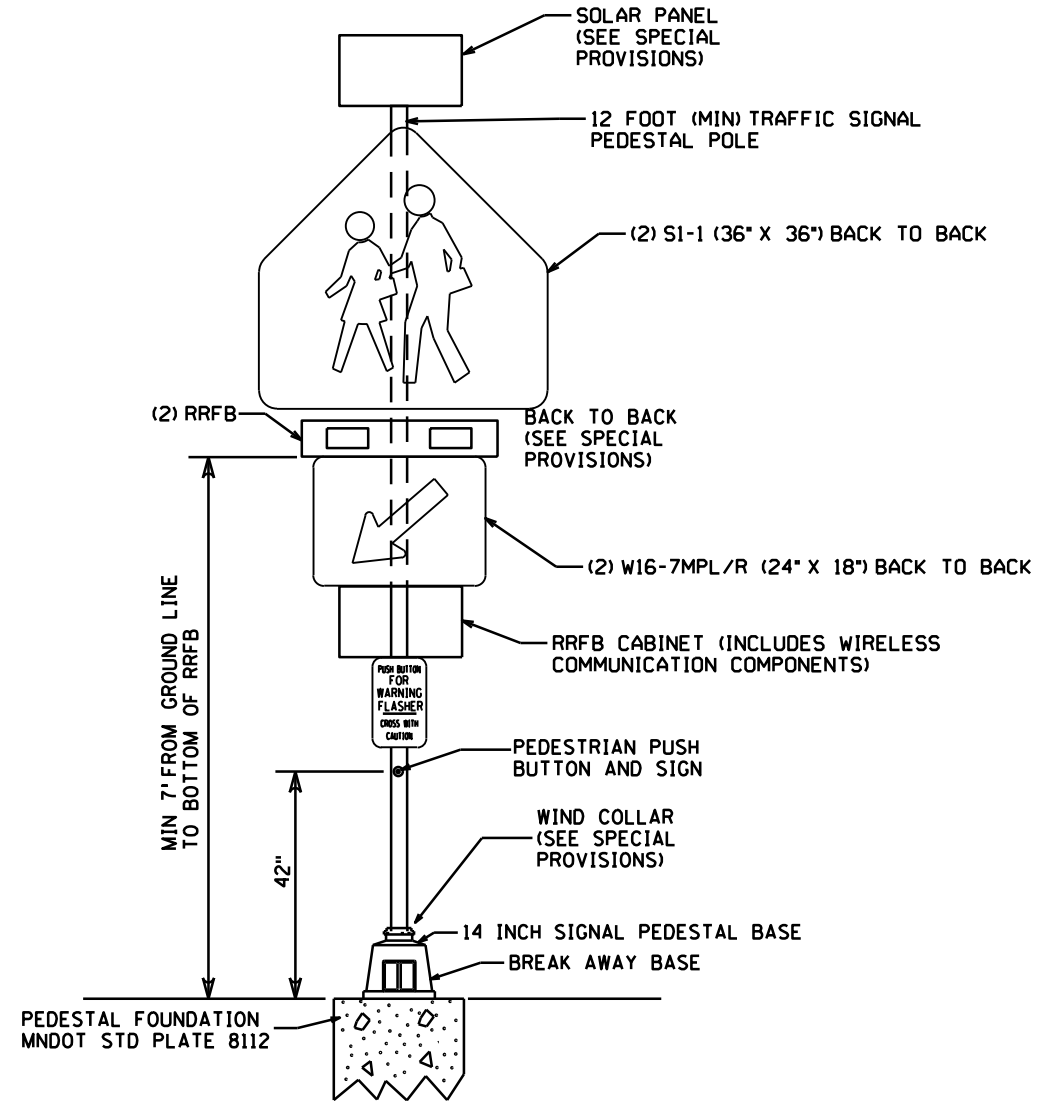
SIGNING & STRIPING PLAN

SAP 222-591-002

SHEET **50** OF **60** SHEETS

PEDESTRIAN CROSSWALK FLASHER SYSTEM (SIGNS) ②							
CODE NO.	POSTS		PANEL			QTY	PANEL LEGEND
	NO & TYPE	MTG HT	SIZE (INCH)				
			W	X	H		
R10-25	Ⓐ	3.5	9	X	12	2	PUSH BUTTON TO ACTIVATE FLASHER
S1-1	Ⓐ	10	36	X	36	4	SCHOOL CROSSING
W16-7mPL	Ⓐ	7	24	X	18	2	DOWN ARROW (LEFT)
W16-7mPR	Ⓐ	7	24	X	18	2	DOWN ARROW (RIGHT)

- Ⓐ ALL SIGN PANELS MOUNTED TO PEDESTAL POLES
- ② ALL SIGN PANELS PAID UNDER ITEM - (2565) PEDESTRIAN CROSSWALK FLASHER SYSTEM



RRFB FLASHER/ PUSH BUTTON DETAIL
NOT TO SCALE

NO.	DATE	BY	CHK	REVISIONS

Design By:	MF	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Plan By:	MF	
Checked By:	ES	
Approved By:	SD	

PRINT NAME:	SEAN DELMORE, PE
DATE:	3/16/2023
LICENSE #:	40945



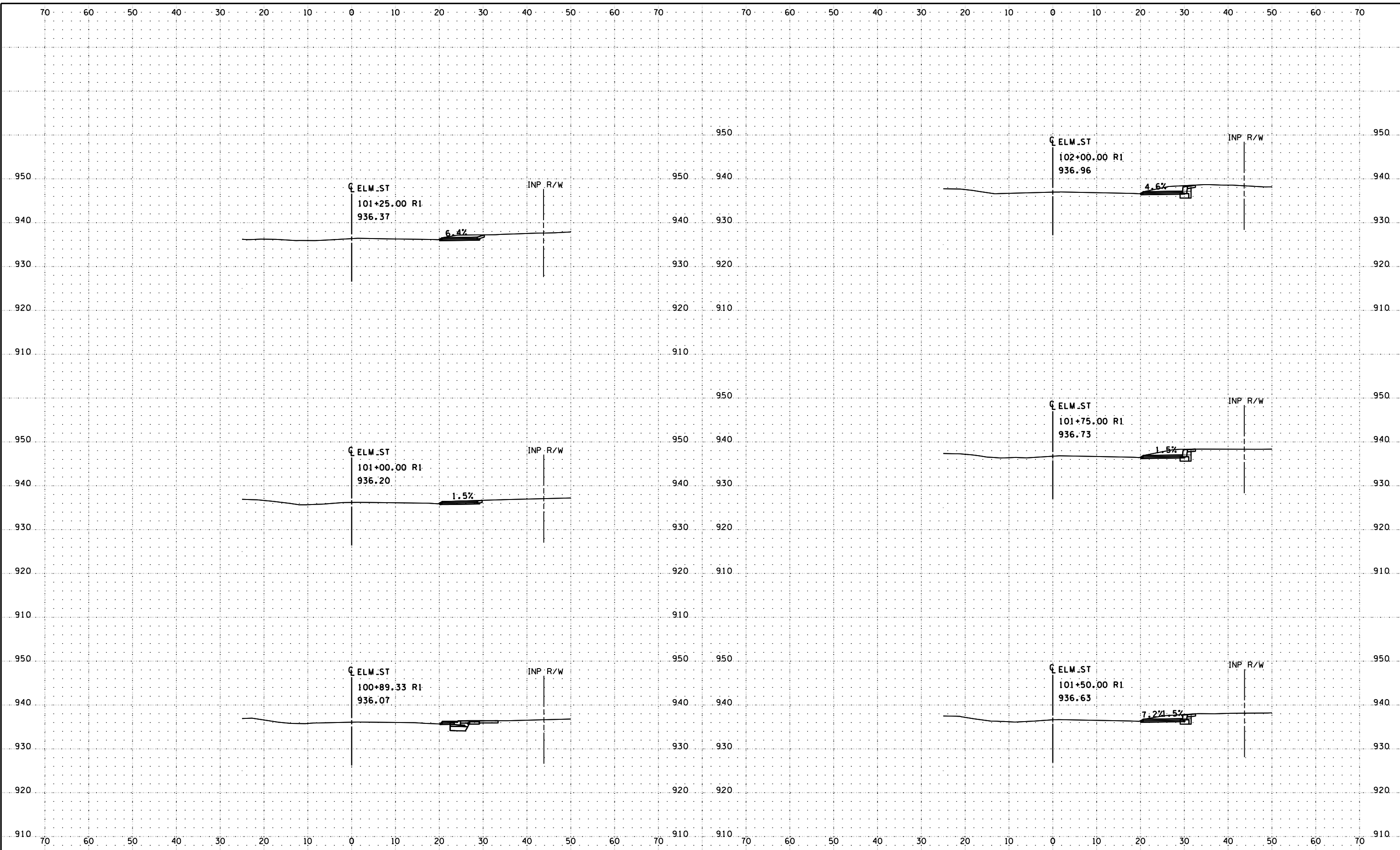
MONTICELLO, MINNESOTA

SIGNING & STRIPING PLAN
SAP 222-591-002

SHEET
52
OF
60
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



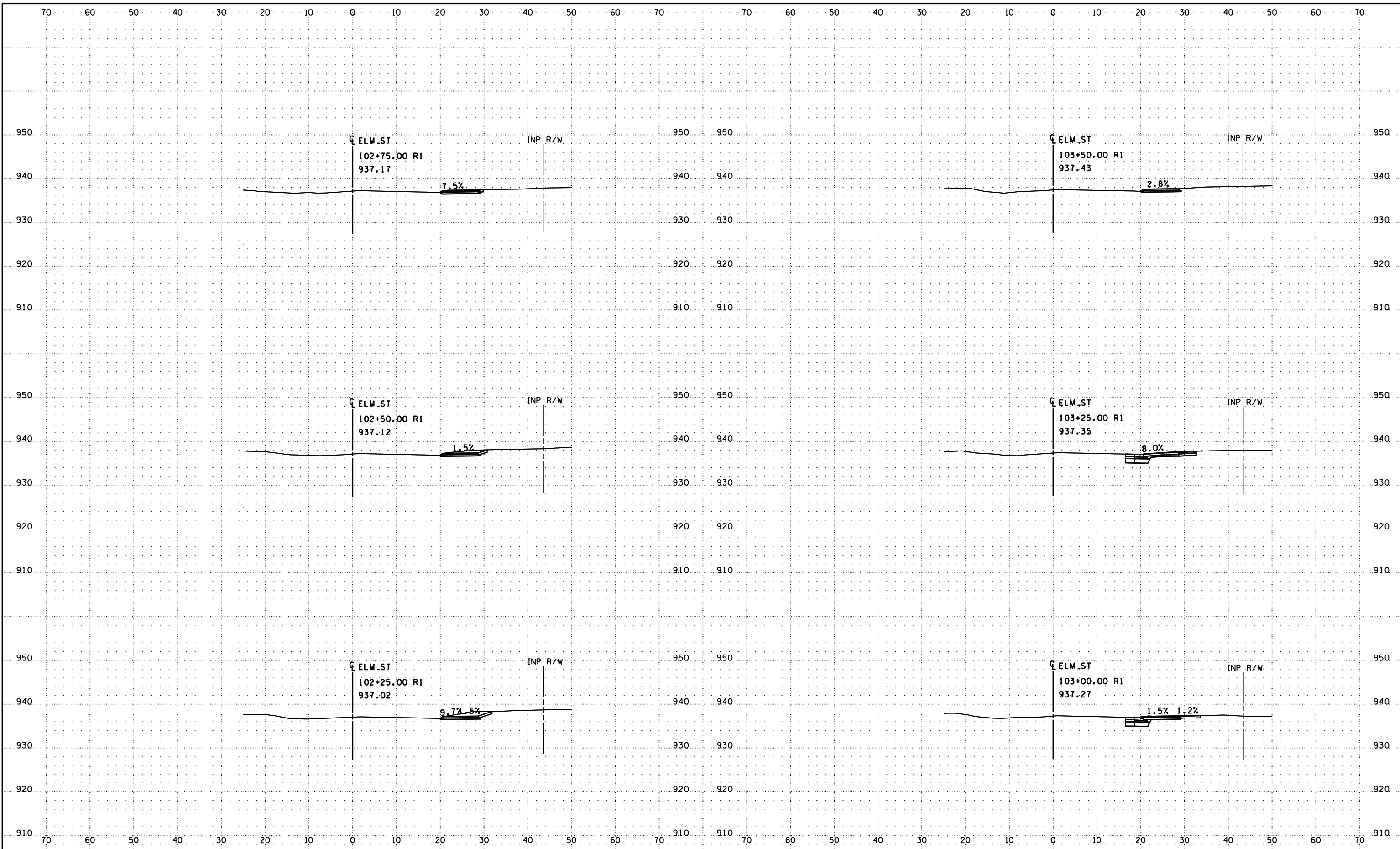
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X1
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



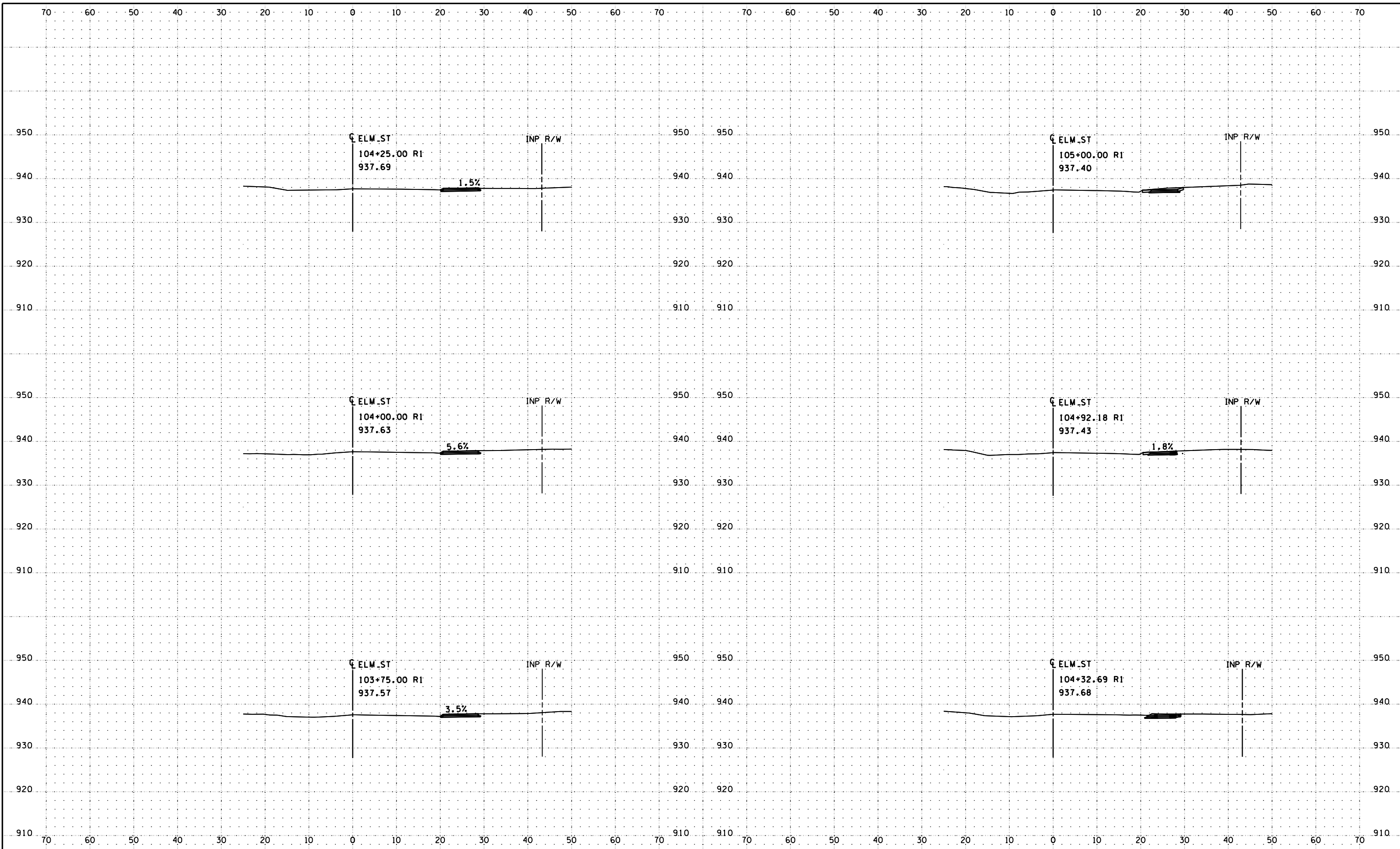
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X2
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



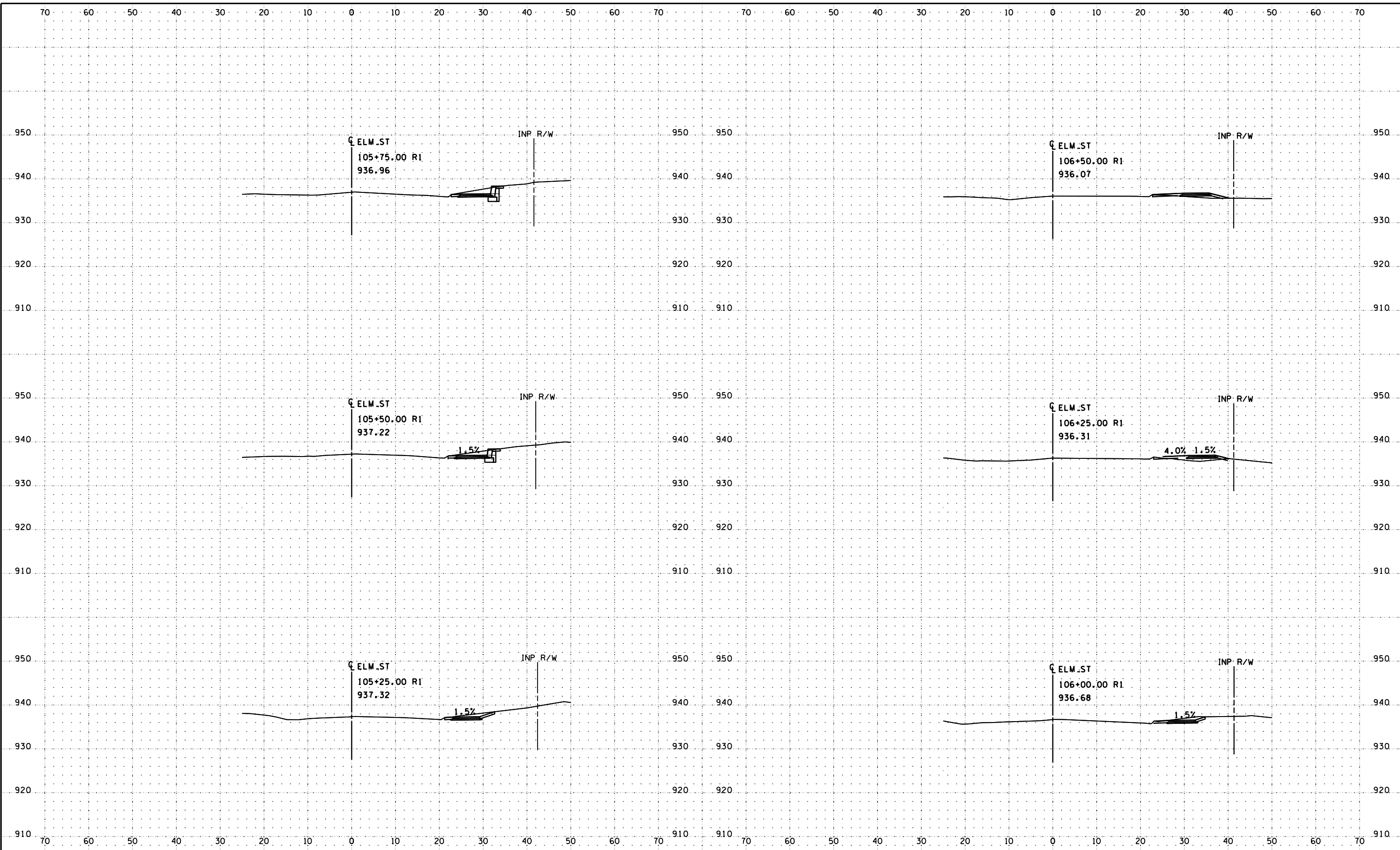
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X3
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



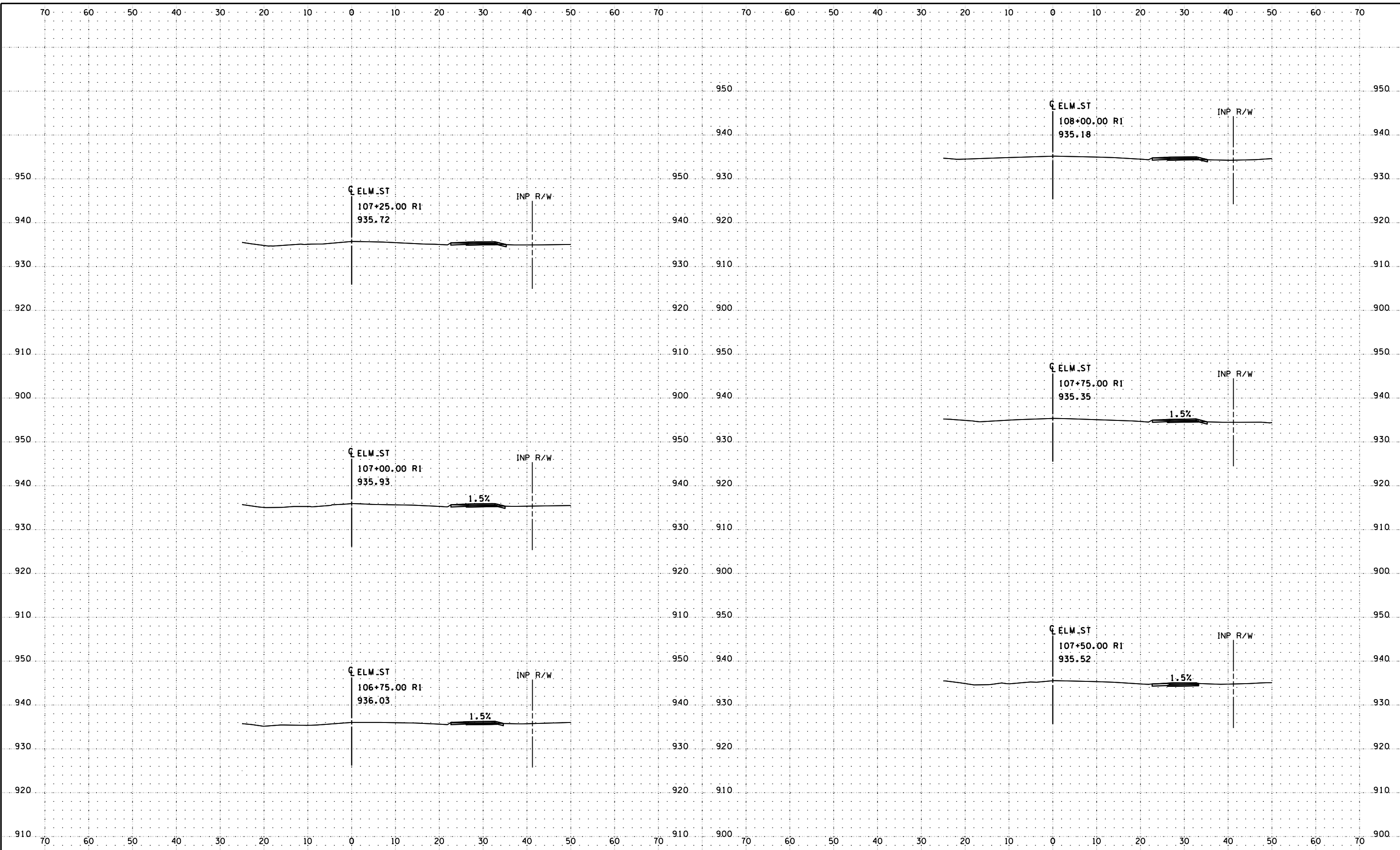
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X4
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



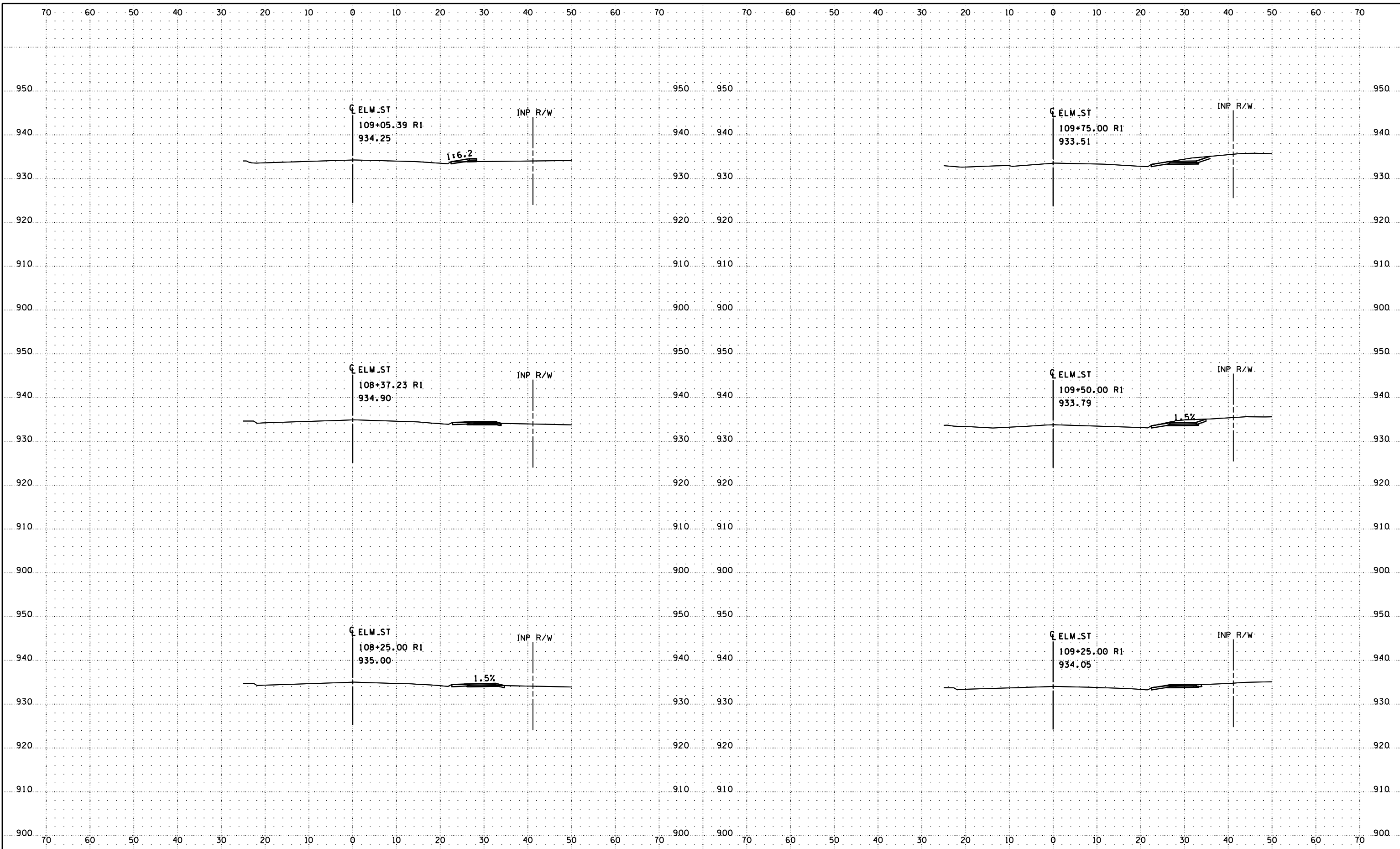
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X5
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



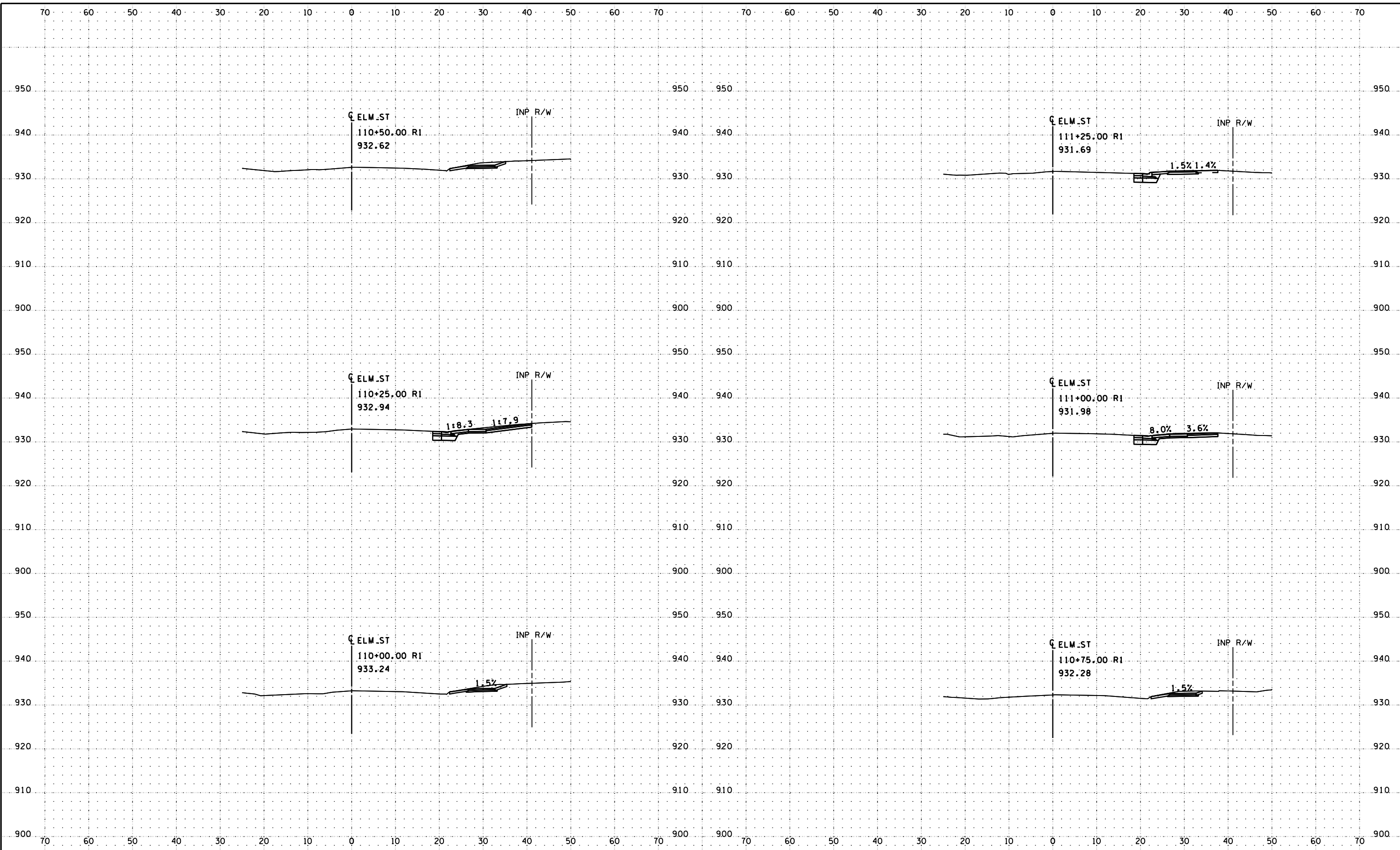
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X6
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By:	MKV
Plan By:	BAC
Checked By:	KH
Approved By:	MKV

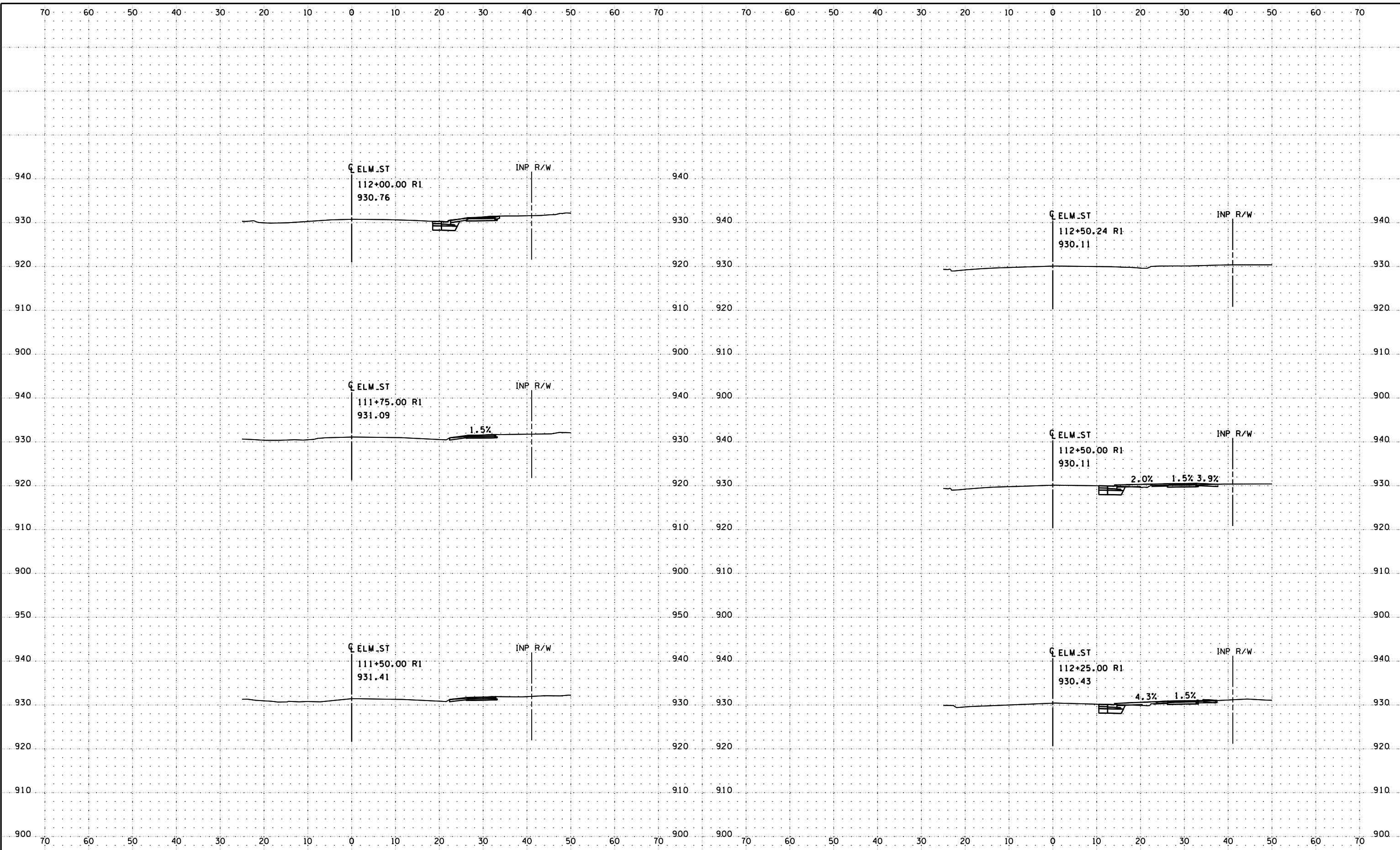


MONTICELLO, MINNESOTA
CROSS SECTIONS
SAP 222-591-002

SHEET
X7
OF
X21
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



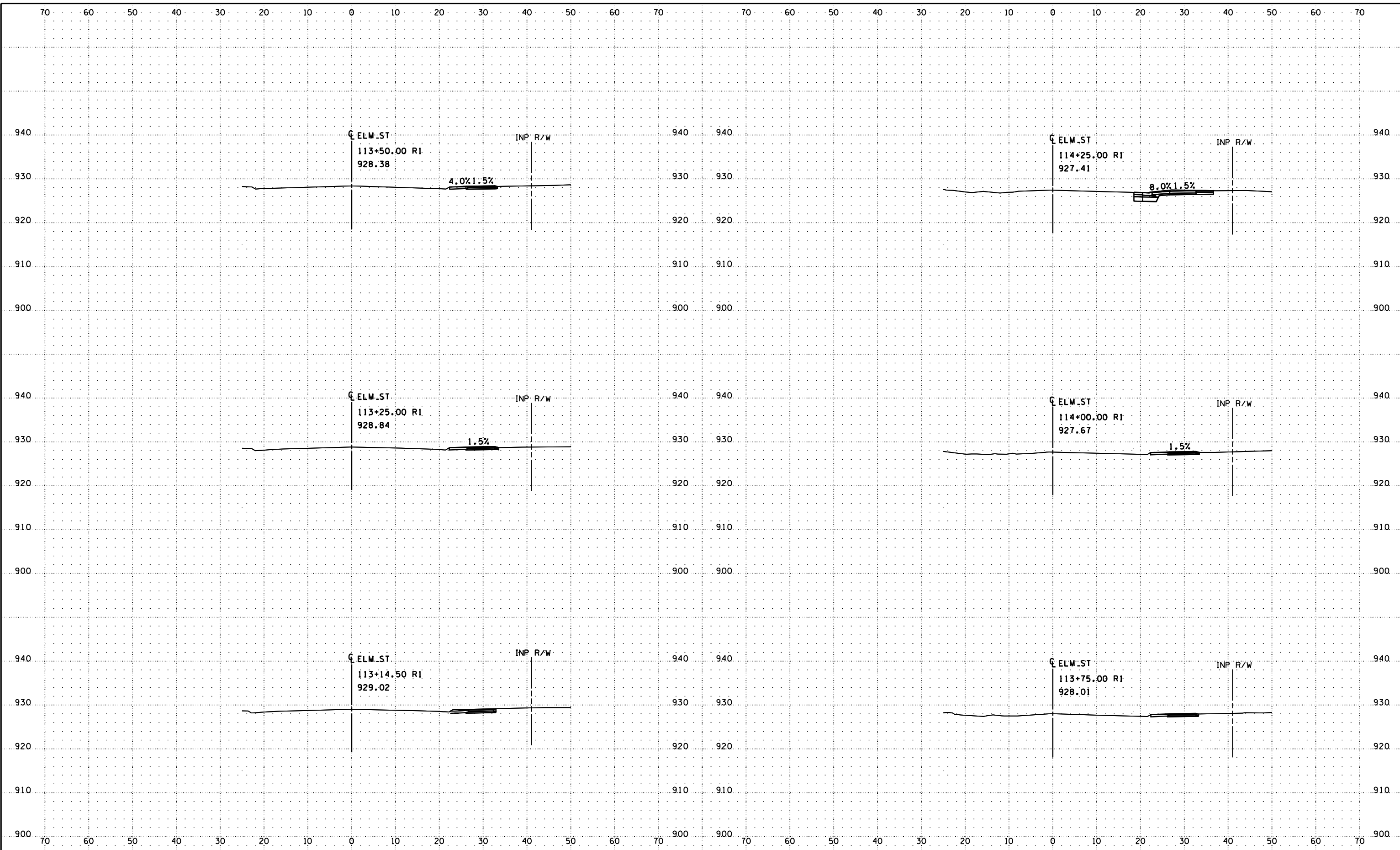
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET X8 OF X21 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cadd\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV

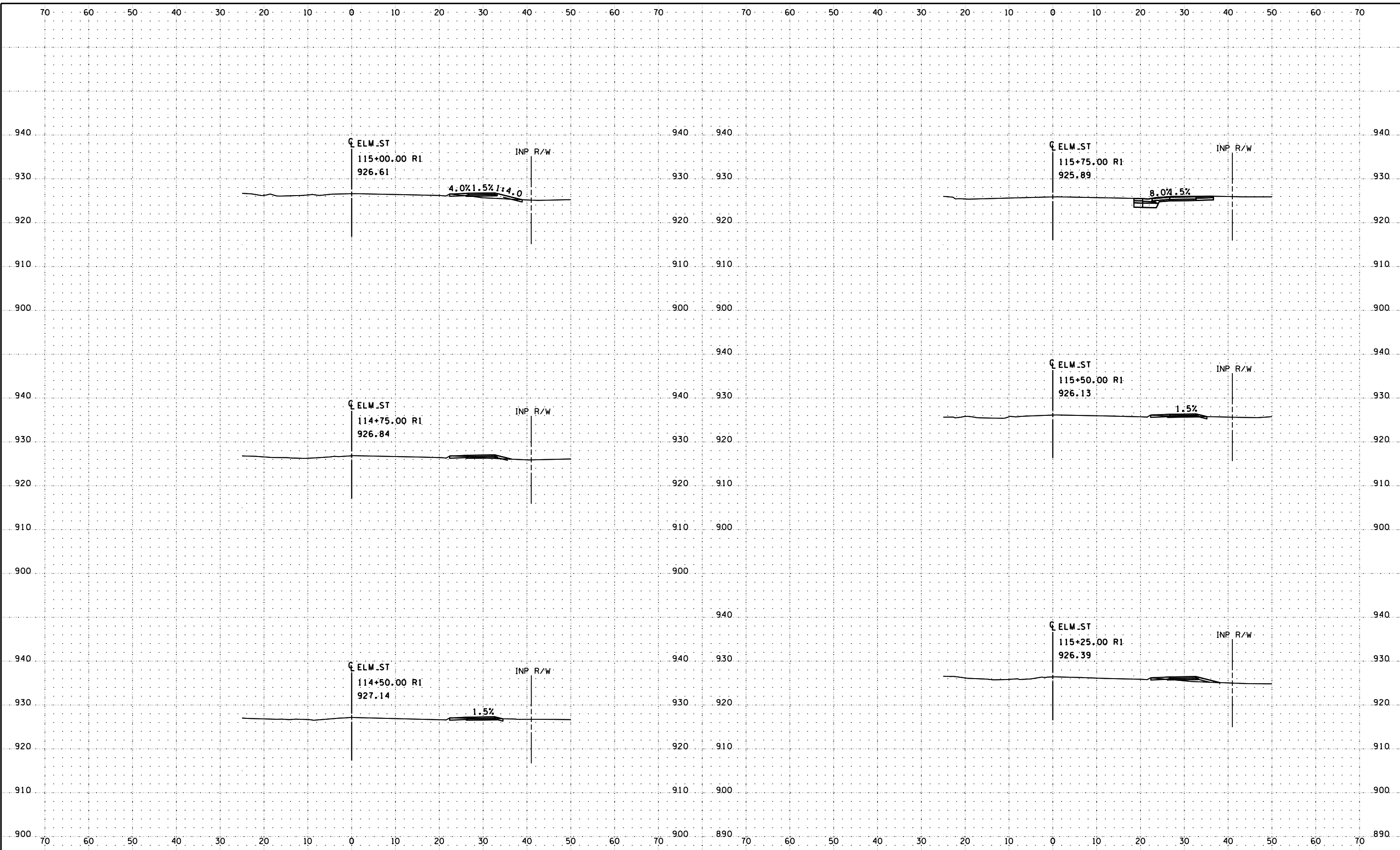


MONTICELLO, MINNESOTA
 CROSS SECTIONS
 SAP 222-591-002

SHEET
 X9
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



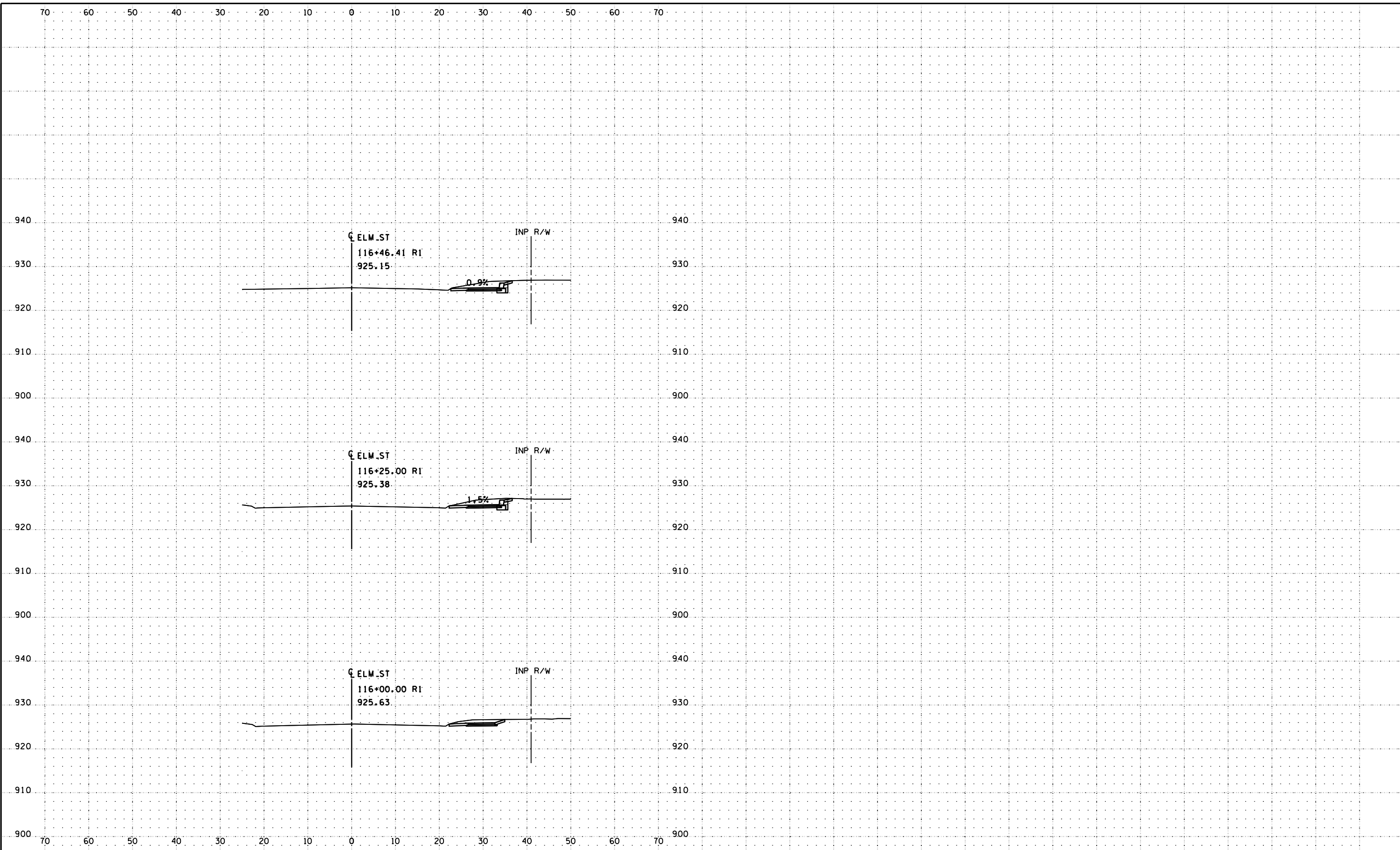
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET X10 OF X21 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp01.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



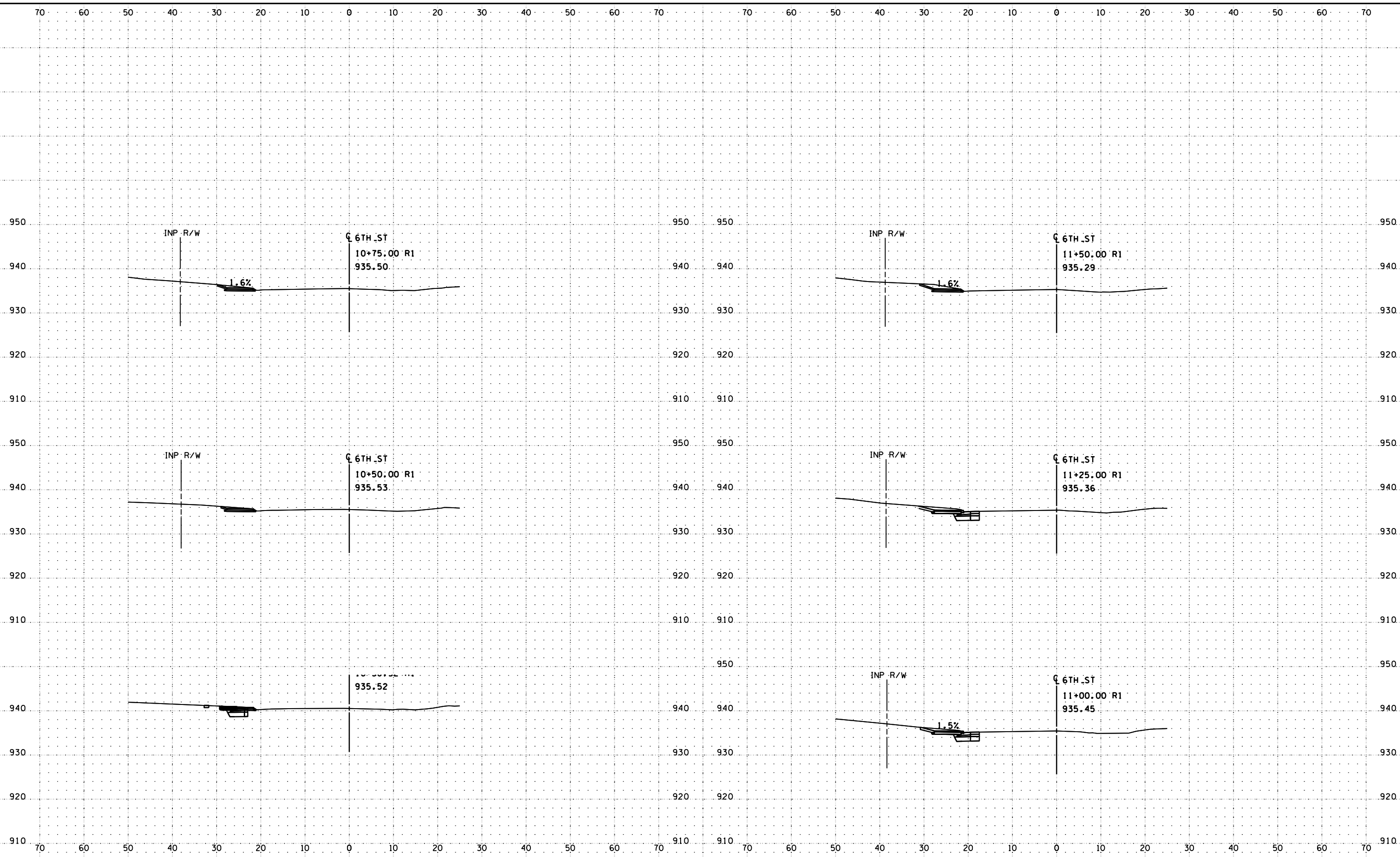
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X11
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp02.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



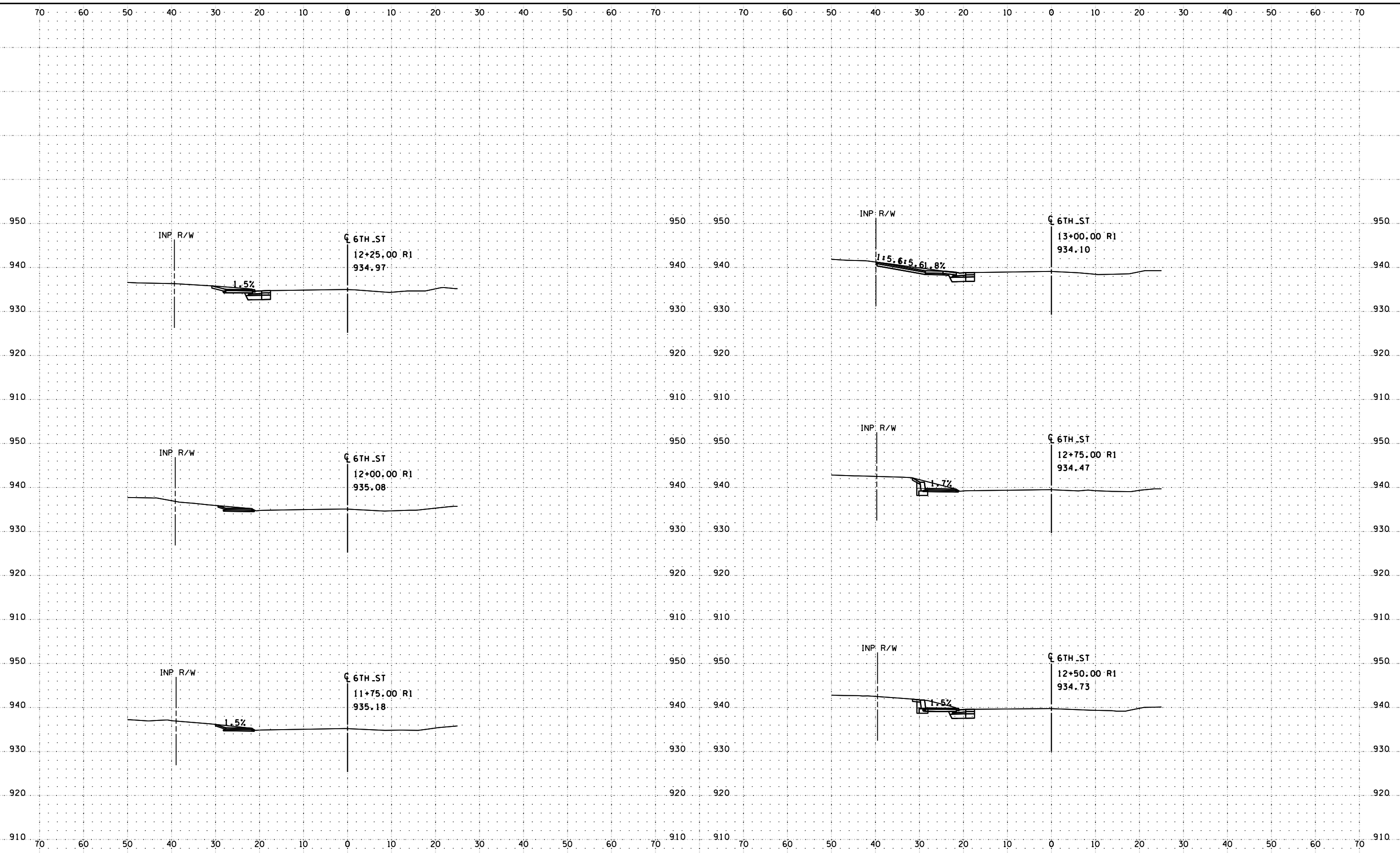
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X12
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp02.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



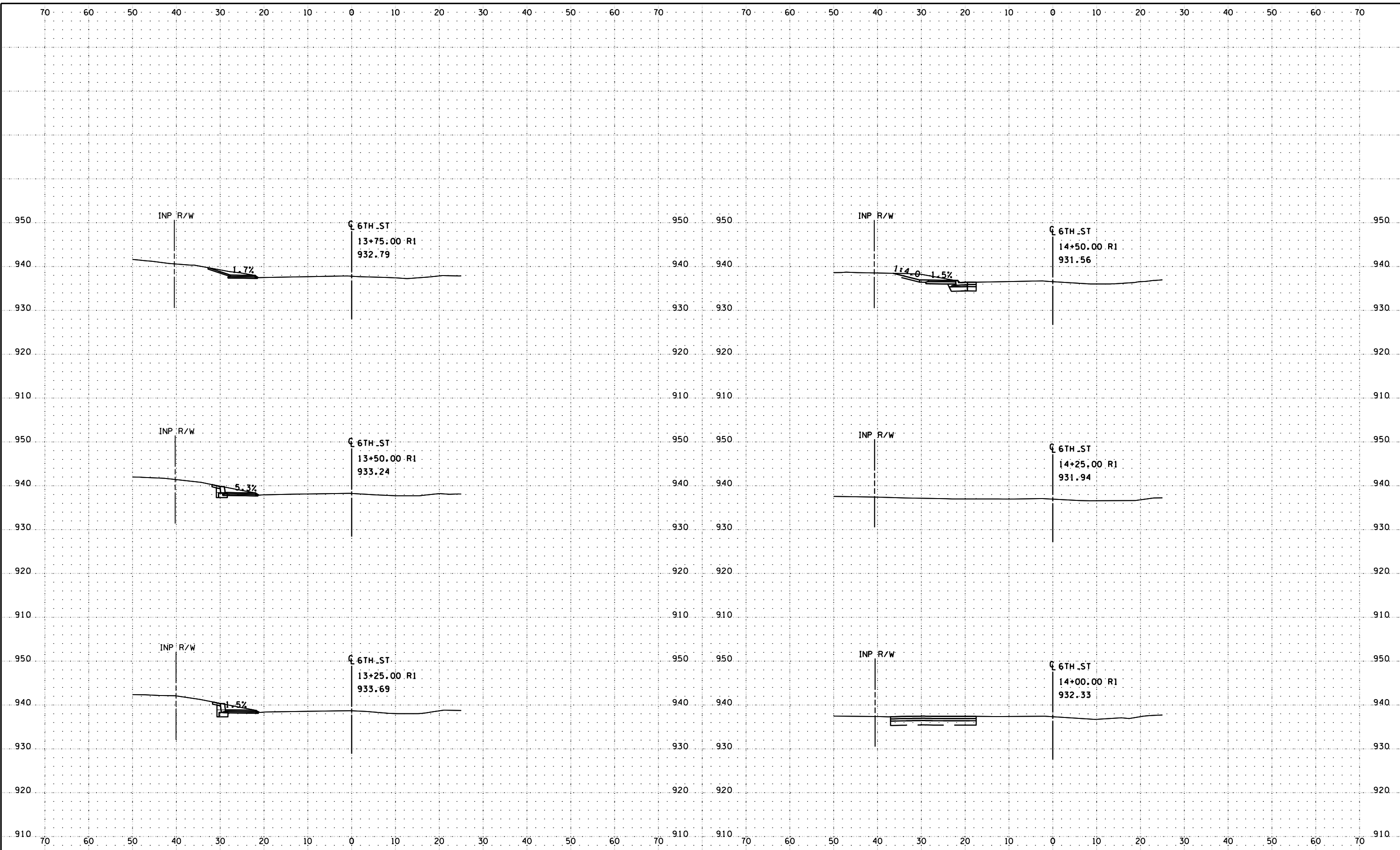
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X13
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp02.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV

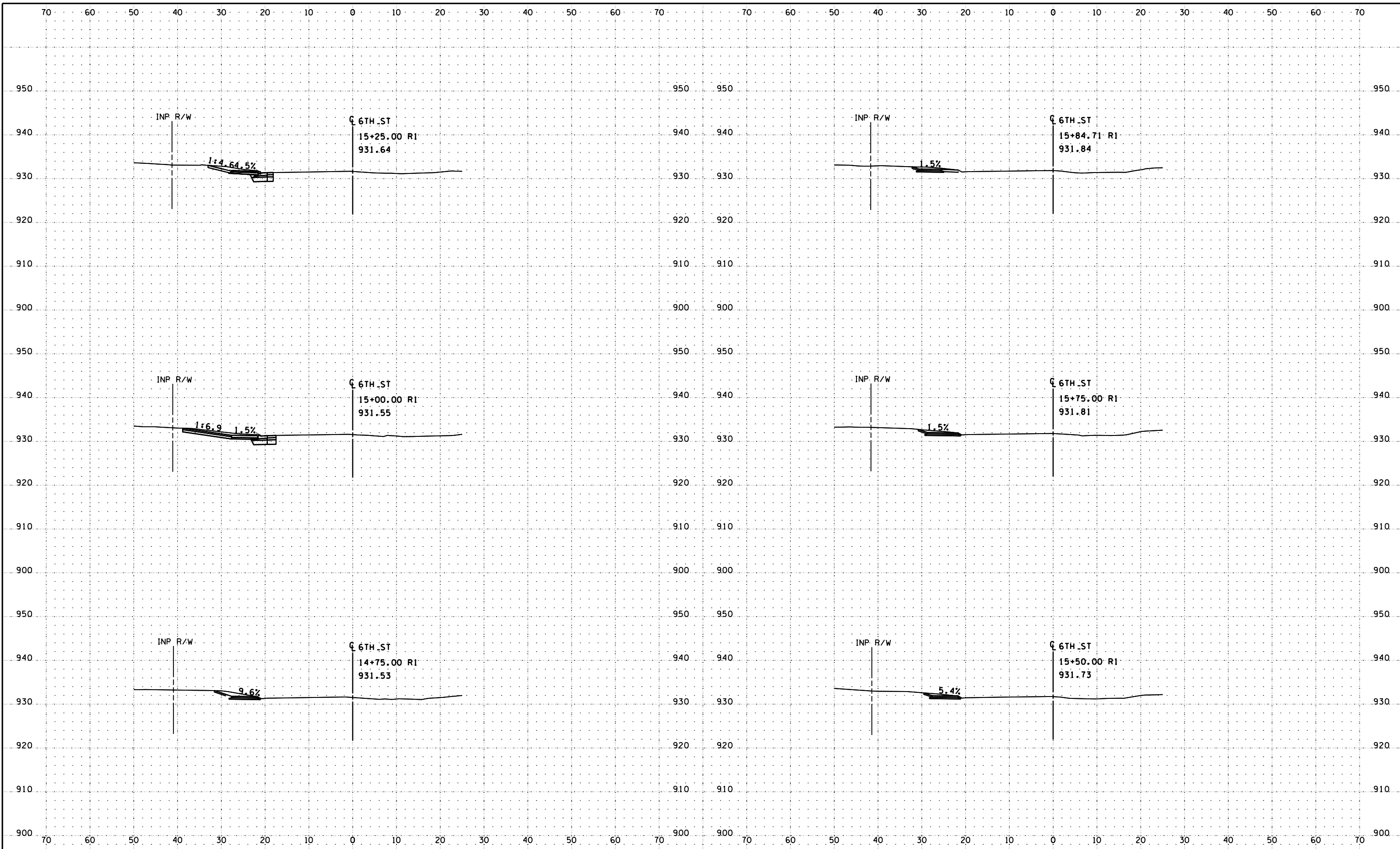


MONTICELLO, MINNESOTA
 CROSS SECTIONS
 SAP 222-591-002

SHEET
 X14
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp02.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



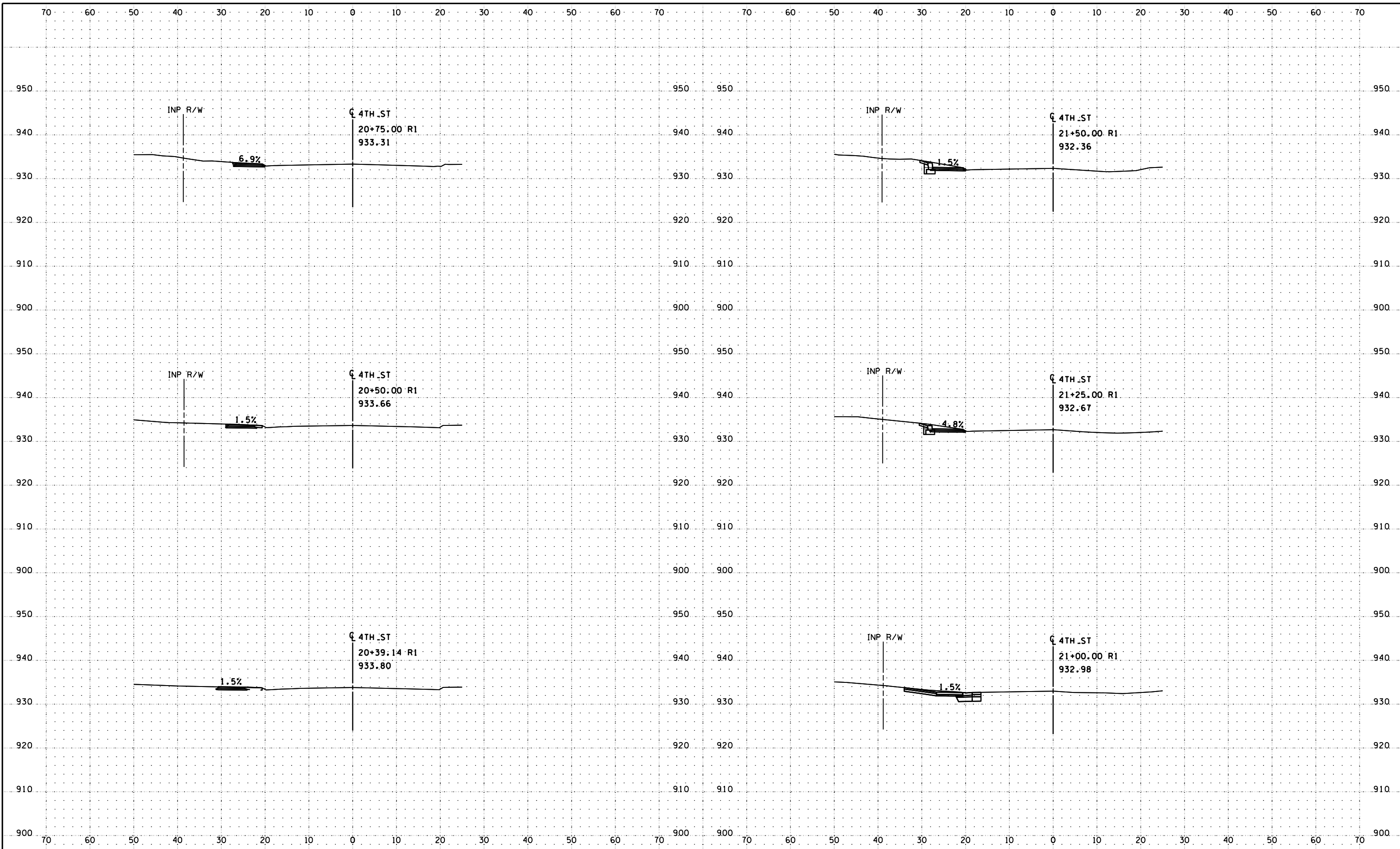
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X15
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



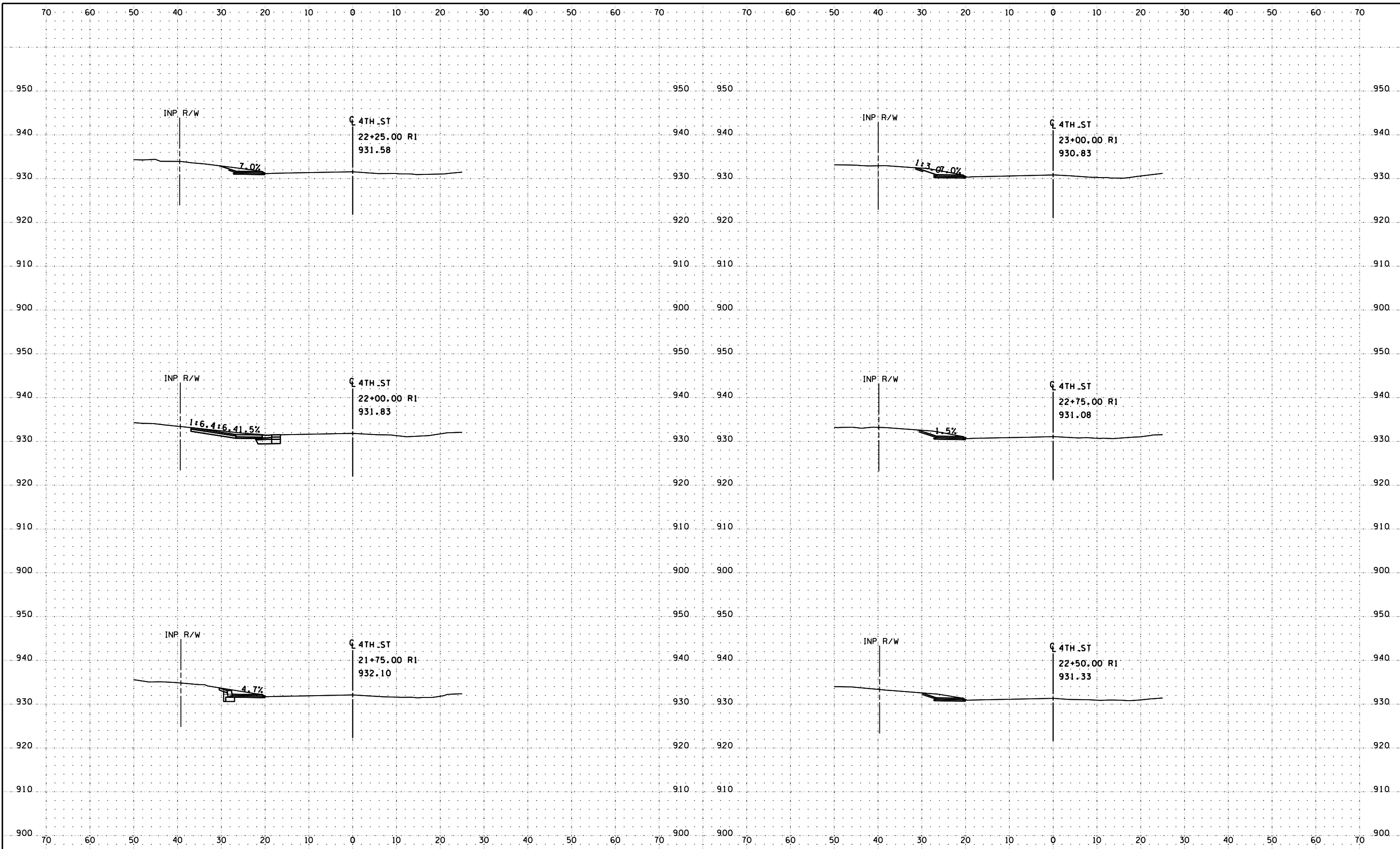
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X16
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



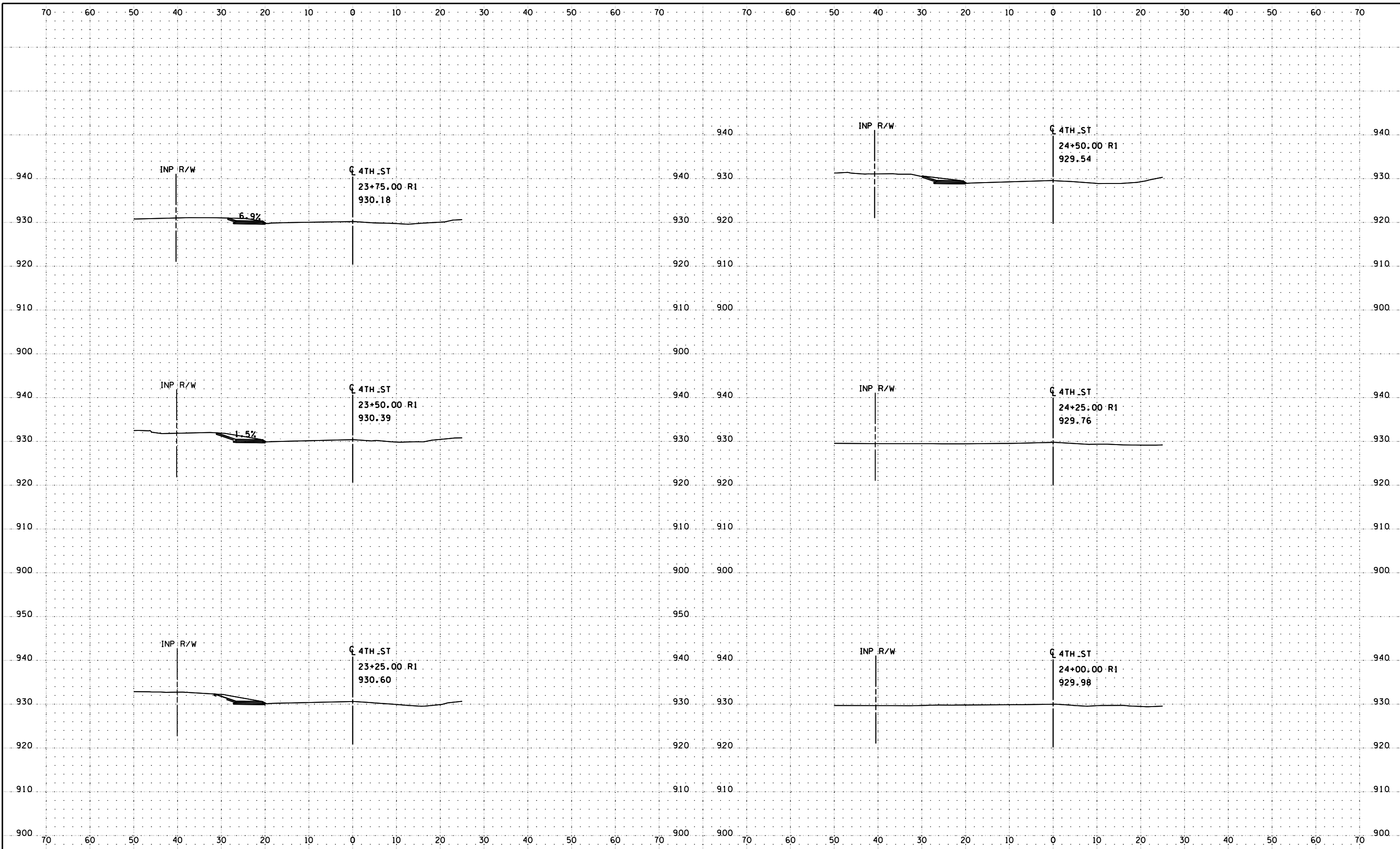
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X17
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



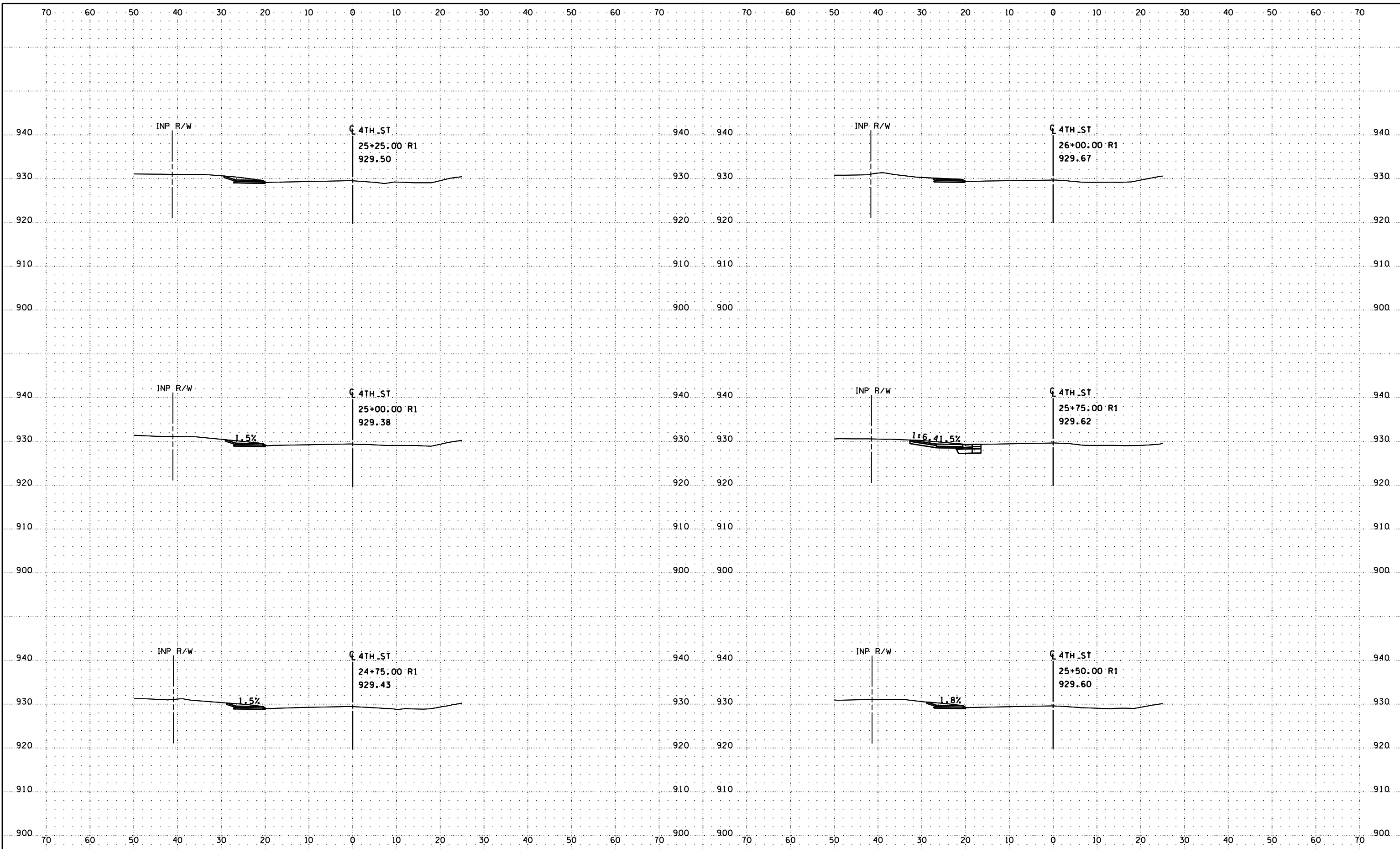
MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X18
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV



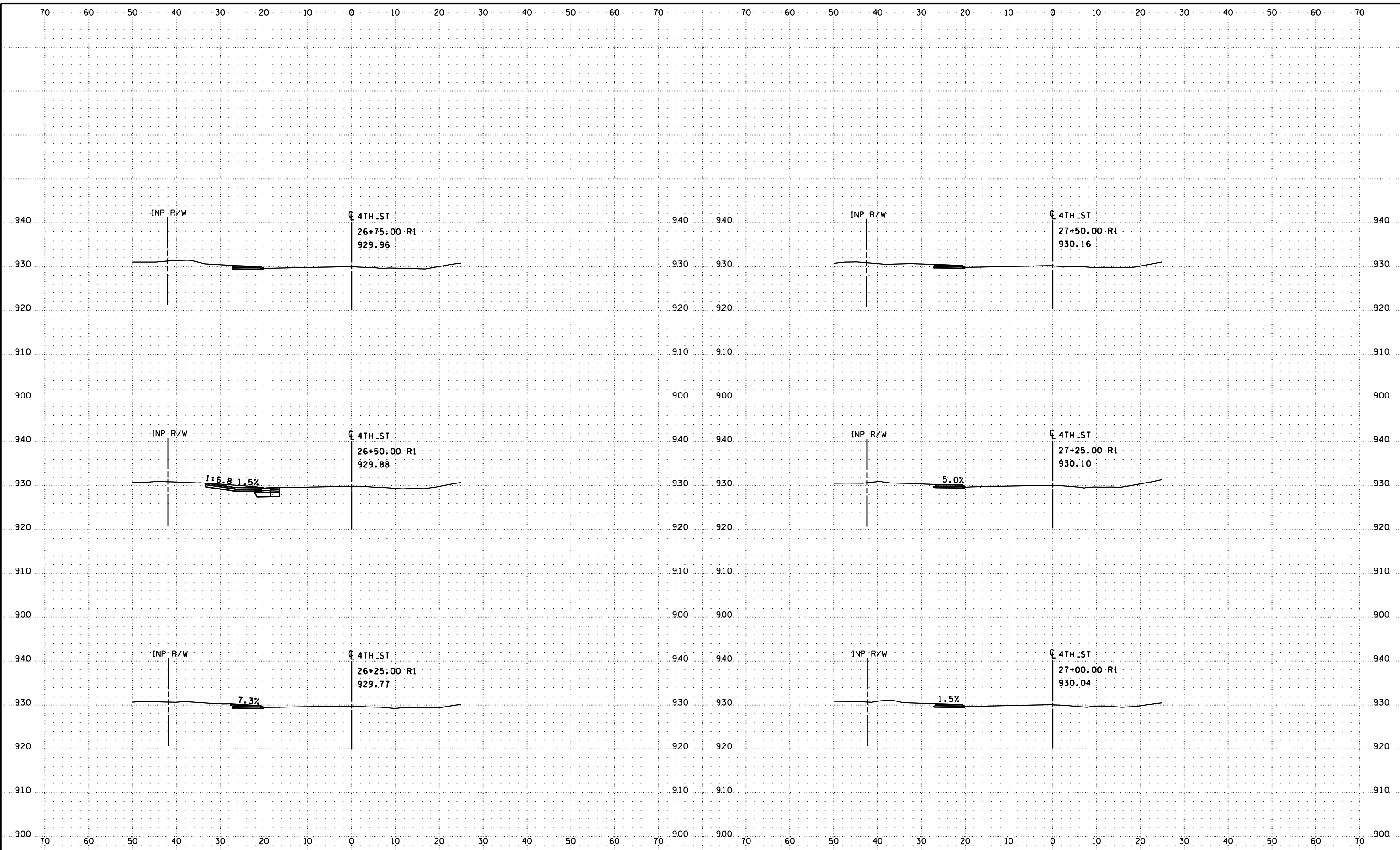
MONTICELLO, MINNESOTA

CROSS SECTIONS
SAP 222-591-002

SHEET
X19
OF
X21
SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV

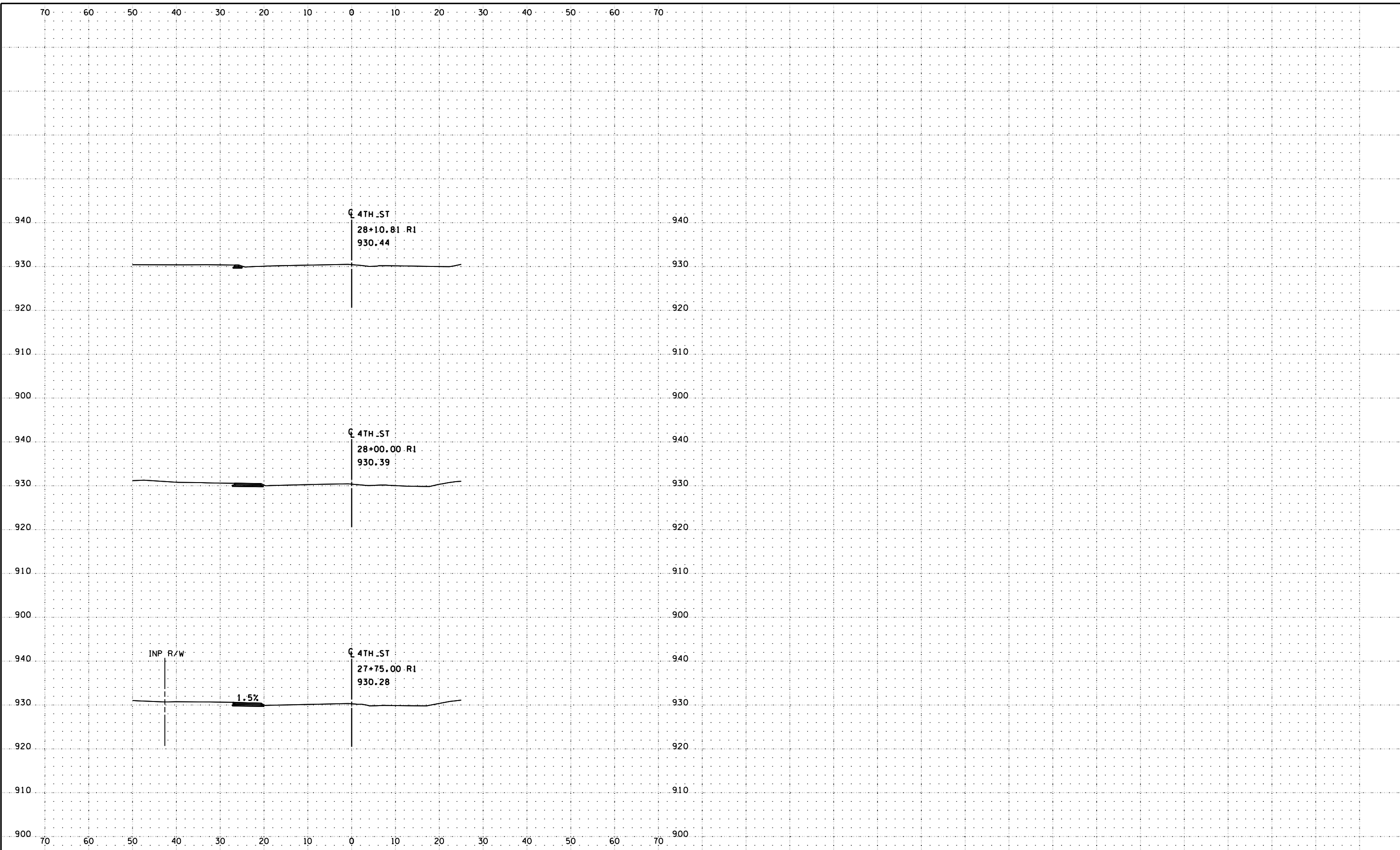


MONTICELLO, MINNESOTA
 CROSS SECTIONS
 SAP 222-591-002

SHEET
 X20
 OF
 X21
 SHEETS

PLOTTED/REVISED: 3/17/2023

PATH & FILENAME: K:\02\243-000\Cad\Plan\02\243-000_xp03.dgn



NO.	DATE	BY	CHK	REVISIONS

Design By: MKV
 Plan By: BAC
 Checked By: KH
 Approved By: MKV

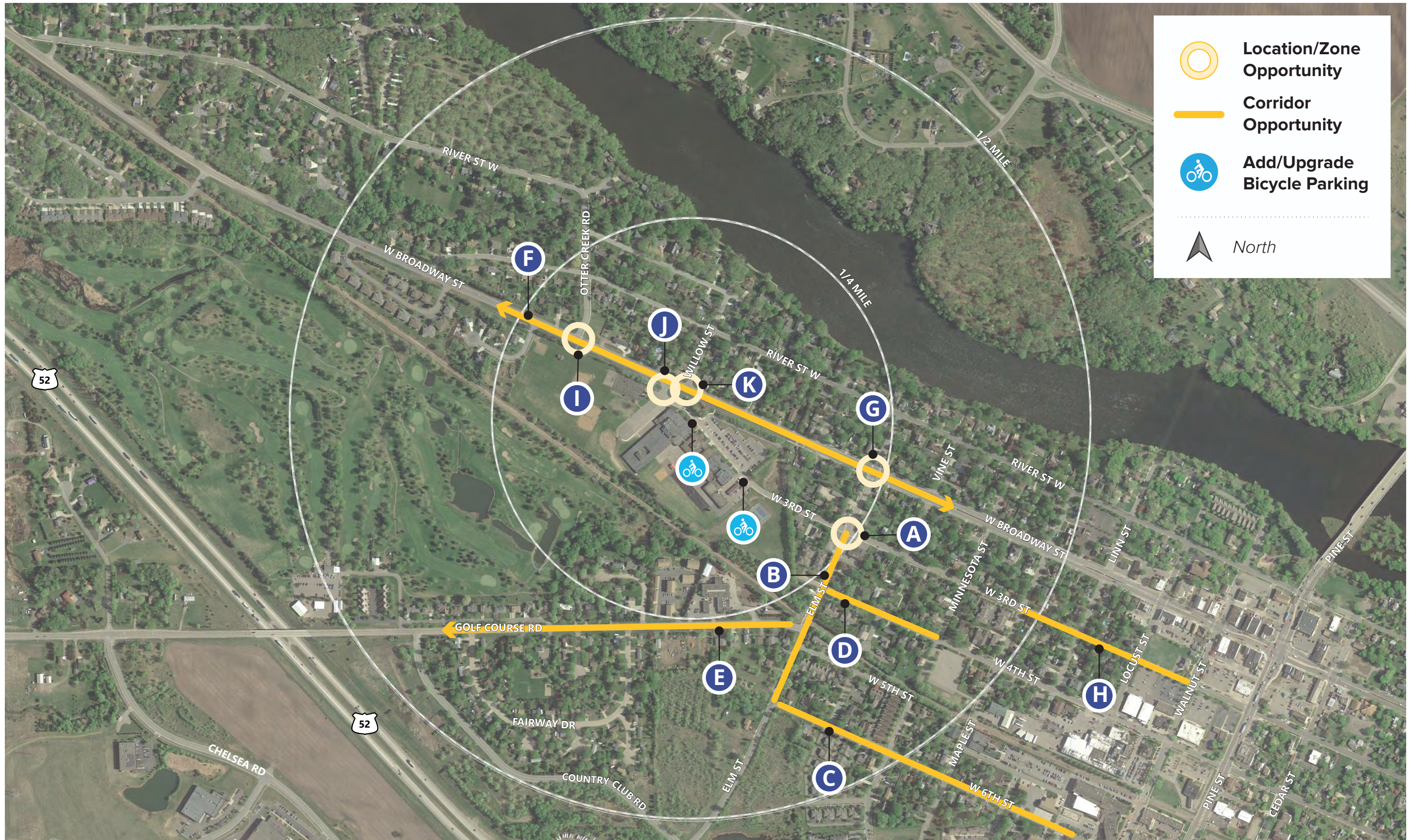


Elm Street Improvements: SRTS
 Monticello, Minnesota

MONTICELLO, MINNESOTA

CROSS SECTIONS
 SAP 222-591-002

SHEET
 X21
 OF
 X21
 SHEETS



PINEWOOD ELEMENTARY

MONTICELLO, MN

Pinewood Elementary Infrastructure Recommendations

	LOCATION	PROBLEM/ISSUE	POTENTIAL SOLUTION/RECOMMENDATION	ANTICIPATED OUTCOME	LEAD	PRIORITY
A	Elm St and W 3rd St	Long pedestrian crossing distance; unpredictable driver yielding behavior; curb ramps out of ADA compliance; limited lighting.	Upgrade pedestrian ramps; consider pedestrian flashing beacon such as an RRFB; evaluate geometric changes to reduce crossing distance (so long as they don't interfere with the bikeable shoulder) and increase pedestrian visibility such as a safety island.	Increase pedestrian visibility and accessibility; reduce pedestrian crossing distances; reduce traffic speeds.	Wright County City of Monticello	High
B	Elm St	Sidewalk gaps including sidewalk on west side only between Golf Course Rd and W Broadway St, and no sidewalk present south of Golf Course Rd; wide roadway; limited lighting.	Fill sidewalk gap on east side of Elm St and/or extend existing sidewalk and provide additional enhanced pedestrian crossings. Coordinate with proposed off street path along Elm. Consider upgrading existing shoulders to buffered or protected bike lanes. CSAH 39 (Elm St and Golf Course Rd) identified as county-wide signed bikeway in Wright County Trail and Bikeway Plan. Improve lighting, especially at crossings.	Designated space for people walking and biking that is physically separated from vehicle traffic; improved visibility	Wright County City of Monticello	High
C	W 6th St east of Elm St	No consistent sidewalk connection along W 6th St.	Fill sidewalk gaps on W 6th St between Elm St and Walnut St. Consider prioritizing sidewalk infill on north side of the street initially to provide continuous connection along W 6th St.	Designate space for people walking that is physically separated from vehicle traffic	City of Monticello	High
D	W 4th St between Elm St and Minnesota St	Sidewalk gap on north side of W 4th St between Elm St and Minnesota St. Opportunity for additional connectivity and pedestrian realm improvements.	Fill sidewalk gaps along W 4th St. Consider prioritizing sidewalk infill on north side of the street between Elm St and Minnesota St. Explore feasibility of providing planted boulevard, pedestrian lighting, and intersection treatments such as curb extensions.	Designate space for people walking that is physically separated from vehicle traffic	City of Monticello	High
E	Golf Course Rd between approximately Fairway Dr and Elm St	No sidewalk connection along Golf Course Rd connecting to single and multifamily housing; high traffic speeds and volumes.	Install sidewalk and/or trail on one or both sides of the street, prioritizing north side between Elm St and Kampa Cir.	Designate space for people walking that is physically separated from vehicle traffic	Wright County	High
F	W Broadway St	High traffic speeds and volumes; no pedestrian connection on north side of Broadway St west of Elm St; long pedestrian crossings. Opportunity to improve lighting, ADA compliance, and pedestrian realm.	Fill sidewalk gap on north side of Broadway St between Chestnut St and Otter Creek Rd; bring existing trail and ramps into ADA compliance; increase lighting including pedestrian scale lighting; explore opportunities to reduce the width and/or number of travel lanes and increase boulevard width.	Increase pedestrian connectivity and level of service	Wright County City of Monticello	Med
G	W Broadway St and Elm St	High traffic speeds and volumes; poor driver behavior and yielding compliance when pedestrians in crosswalk; long pedestrian crossing distances; large corner radii; curb ramps and pedestrian signal out of ADA compliance.	Upgrade ramps and signal to bring into ADA compliance; minimize corner radii; consider adjusting pedestrian signal indication to display automatically instead of by request; consider adjusting pedestrian signal indication to provide a Leading Pedestrian Interval.	Increase pedestrian visibility and accessibility; reduce pedestrian crossing distances; reduce vehicle turning speeds.	Wright County	Med
H	W 3rd St from Maple St to Walnut St	Sidewalk gap along south side of W 3rd St between Maple St and Walnut St. Opportunity for additional connectivity and pedestrian realm improvements.	Fill sidewalk gaps along W 3rd St. Consider prioritizing sidewalk infill on south side of the street between Maple St and Walnut St. Explore feasibility of providing planted boulevard, pedestrian lighting, and intersection treatments such as curb extensions.	Designate space for people walking that is physically separated from vehicle traffic	City of Monticello	Med
I	W Broadway St and Otter Creek Rd	High traffic speeds and volumes; existing beacon uses slow flashing amber signal often overlooked by motorists; long pedestrian crossing; driver behavior and yielding compliance. Opportunity for more highly visible pedestrian signal.	Upgrade existing pedestrian beacon with to RRFB or other higher visibility pedestrian flashing beacon; minimize corner turning radii; consider replacing eastbound bypass lane with dedicated left and through lanes and providing a pedestrian safety island at existing crosswalk; seek opportunities to reduce number and width of travel lanes to minimize dual threat risk to pedestrians and encourage slower traffic speeds. Consider staffing with adult crossing guards during school arrival and dismissal.	Increase pedestrian visibility; slower traffic speeds; reduce pedestrian crossing distance	Wright County	Med
J	Western driveway / bus loop entrance on W Broadway St	Long pedestrian crossing at schools western driveway; large turning radius for vehicular traffic.	Reduce width and turning radius of school driveway and install high visibility crosswalk markings.	Reduce pedestrian crossing distance; reduce vehicle turning speeds.	Wright County Monticello School District	Med
K	W Broadway St and Willow St	High traffic speeds and volumes; no designated pedestrian crossing at primary school access point.	Install enhanced pedestrian crossing including a pedestrian flashing beacon and/or geometric changes such as curb extensions or a safety island. Coordinate with sidewalk installation on W Broadway St as part of J. Consider prioritizing crossing enhancements at either Willow St or Otter Creek Rd. Consider staffing with adult crossing guards.	Increase pedestrian visibility; slow traffic speeds; reduce pedestrian crossing distance; designate additional, more direct pedestrian crossing opportunity.	Wright County	Med