

**RAMSEY COUNTY
COOPERATIVE AND MAINTENANCE AGREEMENT
WITH THE CITY OF SAINT PAUL FOR
Reconstruction of Jackson Street (County State Aid Highway 55)
between Rose Avenue and Wheelock Parkway
S.A.P 062-655-009; 062-655-013,062-631-037 S.A.P 164-020-181, 164-020-179,
S.A.P. 164-020-183**

Total Project Cost: \$13,703,065.90

City of St Paul Cost: \$ 1,201,150.00

Attachments:

A – Engineer’s Estimate

B – Storm Sewer Ownership

This Cooperative and Maintenance Agreement (“Agreement”) is between the City of Saint Paul, a municipal corporation (“City”) and Ramsey County, a political subdivision of the State of Minnesota, (“County”) for the reconstruction of Jackson Street between Rose Avenue and Wheelock Parkway (“Project”).

RECITALS

1. The Project is identified in County’s 2025 – 2029 Transportation Improvement Program.
2. Jackson Street, in the area affected by reconstruction, is designated County State Aid Highway (CSAH) 55.
3. The Project has been designated by the Minnesota Department of Transportation (Mn/DOT) as eligible for County State Aid Highway funds.
4. The Project has been designated as State Aid Project S.A.P 062-655-009; 062-655-013, 062-631-037; S.A.P 164-020-181; S.A.P.164-020-179 S.A.P.164-020-183
5. The Project road segment is located within the City.
6. The joint powers agreement between the County and the City, County Resolution 93-643 and City Council File 93-1974, details maintenance responsibilities and costs on the County road system in the City.

AGREEMENTS

1. Responsibility for Design Engineering

1.1. Plans, specifications, and proposals will be prepared in accordance with MnDOT State Aid requirements.

1.2. The County will prepare plans, specifications, and proposals for the Project, which will include, among other things, the proposed reconstruction, bridge, alignment, profiles, grades, cross sections, paving, concrete curb and gutter, medians, storm sewer, storm water treatment and infiltration basins, pedestrian curb ramps, turf establishment, traffic signals, street lighting, accessible pedestrian signals, and utility replacement and adjustments.

1.3. Plans for the Project showing proposed construction will be presented to the City and will be on file at County's Public Works Department.

1.4. Any costs associated with Project revisions after the completion of plans and specifications will be paid for by the party requesting the revisions. Revisions are subject to approval by the County.

2. Responsibility for the Right of Way Plan and Acquisition

2.1. The parties have previously entered into Ramsey County Cooperative Agreement PW2025-11R dated November 17, 2025 (the "Right of Way Cooperative Agreement"). The Right of Way Cooperative Agreement sets forth the parties' responsibilities for the preparation of all right of way acquisition plan showing easements and other property interests required for construction of the Project, and the acquisition of such proposed easements and right of way, all in accordance with MnDOT State Aid standards .

3. Procurement and Award of Contract

3.1. The County will take bids in accordance with state law and County procedures.

3.2. The County will prepare an abstract of bids and a cost participation summary to the City based on either a lowest responsible bid or a value based bid.

3.3. The County will request the City's concurrence to award a contract to the lowest responsible bidder. The County will consult with the City before bidding to determine whether a low bid or best value contract will be awarded.

3.4. The County will award a contract and pay the contractor from County State Aid Highway, Municipal State Aid Street and City funds identified for the Project.

4. Responsibility for Construction Engineering

4.1. The County shall perform or contract the performance of the construction engineering for all elements of the Project.

4.2. The County will consult with City with regard to change orders and the use of any contingency funding.

5. Project Costs

5.1. Except as provided herein, the County and City will participate in the costs of construction in accordance with the Ramsey County Cost Participation Policy approved in the 2026 – 2030 Ramsey County Transportation Improvement Plan. If there is a conflict between the Cost Participation Policy and this Agreement, this Agreement will prevail.

5.2. A list of the construction pay items and percentages of City funding responsibility as well as the City's total estimated Project cost is attached hereto as Exhibit A "Cost Participation Based on Engineer's Estimate)." Quantities and unit prices in Exhibit A are estimates. Actual costs shall be based on the contract unit prices and the quantities constructed. Costs will be calculated after applying federal funding to the items.

5.3. Mobilization, Field Office, Erosion Control Supervisor, Traffic Control, Erosion Control Items (such as Storm Drain Inlet Protection, Water, Street Sweeper) are defined collectively as the "Prorated Items." The City's percentage of the Prorated Items is calculated as follows:

$$\text{City \% Prorated Items} = \frac{\text{(City Cost excluding the Prorated Items Cost)}}{\text{(Total Project Cost excluding the Prorated Items Cost)}}$$

The costs in the Prorated Items calculation will be based on contract unit prices and quantities at the time of contract award. No adjustments in the percentages will be made if unit prices or quantities vary during construction.

5.4. The City will supply signal cabinet and emergency vehicle preemption equipment which will be paid for under a separate force account agreement and in accordance with the existing agreement between the City and state. Traffic equipment/supply costs will also include overhead and staffing costs.

5.5. Design Engineering Fees

5.5.1. The City shall pay County a design engineering fee equal to 12% of the identified project items as detailed in Exhibit A.

5.5.2. Design engineering fees shall be calculated based on the quantities and unit prices at the time of contract award.

5.6. Right of Way Acquisition Costs

5.6.1. Right of way acquisition costs will be split between City and County pursuant to the Right of Way Cooperative Agreement.

5.6.2 The City hereby grants to the County temporary construction easements over, across and under all City-owned right of way and property within the Project limits for use during construction, at no cost to the County, including, without limitation, over, across and under the City-owned properties.

5.7. Construction Engineering Fees

5.7.1. The City shall pay County a construction engineering fee equal to 12% of the identified project items as detailed in Exhibit A.

5.7.2. The City shall pay County a construction administration engineering fee equal to 2% of its share of City inspected items identified in Exhibit A.

5.7.3. Construction engineering fees shall be calculated based on the final contract quantities and unit prices.

6. Payment Schedule

6.1. Design engineering costs will be invoiced at the time of contract award.

6.2. The County will invoice City for construction costs incurred on a quarterly basis, or as determined by the payment schedule for the contractor.

6.3. Construction engineering costs will be invoiced at the time of substantial project completion, as determined by the County.

6.4. Payment will be made within 30 days of receipt of an invoice.

7. Ownership and Maintenance Responsibility for Project Elements

7.1. Ownership and Maintenance Responsibility: Roadway

7.1.1. The County will own and maintain the roadway and associated roadway elements location within the County Right of Way, except as detailed below.

7.2. Ownership and Maintenance Responsibility: Storm Sewer

7.2.1. The County and City will own and maintain their respective elements of the storm sewer system in accordance with the City-County routine maintenance agreement individual National Pollutant Discharge Elimination System (NPDES) permits, and Watershed District Maintenance agreements. Additionally, this Agreement does not alleviate either Agency of their NPDES reporting and operational obligations. Storm sewer system elements are identified in Attachment B and as follows.

7.2.2. The City shall own the following components of the storm sewer system:

- i. Trunk line
- ii. Trunk line manholes, including manholes which connect catch basins and leads to the truck line
- iii. Surface drains located inside City right-of-way and associated leads
- iv. Trunk line outfalls

7.2.3. The County shall own the following components of the storm sewer system:

- v. Catch basins
- vi. Catch basin leads
- vii. Cross-culverts
- viii. Surface drains located within the County road right-of-way
- ix. Stormwater treatment BMP

7.2.4. The City and County shall each maintain the components of the storm sewer system under their respective ownership. See Attachment B.

7.3. The City will own and maintain the public sanitary sewer system.

7.4. The City will own and maintain the street lights.

7.5. The City will own and maintain boulevard trees.

7.6. Ownership and Maintenance of the Sidewalk

7.6.1 The County will own the sidewalk and be responsible for major maintenance and replacement at the end of its useful life. The City shall be responsible for all minor maintenance, including but not limited to patching, snow and ice control, debris removal, vegetation control, and settlement adjustments. Sidewalk maintenance will be accomplished in accordance with City policies and ordinances.

7.6.2 The County will own the trail and be responsible for major maintenance and replacement at the end of its useful life. The County may enter into a reimbursable maintenance agreement with the City responsible for some or all of the following maintenance activities: minor patching, snow and ice control, sweeping, debris removal, and vegetation control. If there is no reimbursable maintenance agreement with the City, the County is responsible for all the

maintenance activities. The County and the City will abide by the joint powers agreement, County Resolution 93-643 and City Council File 93-1974 or any subsequent maintenance.

8. Each party is responsible for its own acts and omissions and the results thereof to the extent authorized by law and will not be responsible for the acts and omissions of any others and the results thereof.
9. This Agreement shall remain in full force and effect until terminated by mutual agreement of the parties.
10. Counterparts – The parties may sign this Agreement in counterparts, each of which constitutes an original, but all of which together constitute one instrument
11. Electronic Signatures - The parties agree that the electronic signature of a party to this Agreement be valid as an original signature of such party and shall be effective to bind such party to this Agreement. The parties further agree that any document including this Agreement containing, or to which there is affixed, an electronic signature shall be deemed (i) to be “written” or “in writing,” (ii) to have been signed and (iii) to constitute a record established and maintained in ordinary course of business and an original written when printed from electronic files. For purposes hereof, “electronic signature also means a manually signed original signature that is then transmitted by any electronic means, including without limitation a faxed version of an original signature or an electronically scanned and transmitted version (e.g., via PDF) of an original signature. Any party’s failure to produce the original signature of any electronically transmitted signature shall not affect the enforceability of this Agreement.

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CITY OF SAINT PAUL, MINNESOTA

By: _____
Mayor

Date: _____

By: _____
Director of Public Works

Date: _____

Approved by the Office of Financial Services:

By: _____

Approved as to Form:

By: _____
Assistant City Attorney

RAMSEY COUNTY, MINNESOTA

Ling Beker, County Manager

Date: _____

Approval recommended:

Brian Isaacson, Director
Public Works Department

Approved as to form:

Assistant County Attorney

Item #	Description	Units	Unit Cost	Total Estimate		RAMSEY COUNTY ROADWAY SAP 062-655-013		RAMSEY COUNTY STORM SEWER SAP 062-655-013		CITY OF ST PAUL SAP 164-020-179		CITY OF ST PAUL SAINT PAUL REGIONAL WATER		CITY OF ST PAUL SANITARY SEWERS	
				Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
				2504.602	1.5" CORPORATION STOP	EACH	\$ 3,500.00	2	\$ 7,000.00	2	\$ 7,000.00				
2504.602	6" GATE VALVE & BOX	EACH	\$ 4,000.00	1	\$ 4,000.00	1	\$ 4,000.00								
2504.602	CURB BOX	EACH	\$ 1,000.00	1	\$ 1,000.00	1	\$ 1,000.00								
2504.602	ADJUST CURB BOX	EACH	\$ 400.00	3	\$ 1,200.00	3	\$ 1,200.00								
2504.602	SACRIFICIAL ANODE	EACH	\$ 500.00	3	\$ 1,500.00							3	\$ 1,500.00		
2504.602	SACRIFICIAL ANODE RETROFIT	EACH	\$ 350.00	8	\$ 2,800.00							8	\$ 2,800.00		
2504.602	EXCAVATION FOR WATER MAIN OFFSET	EACH	\$ 10,000.00	1	\$ 10,000.00	1	\$ 10,000.00								
2504.602	WATER UTILITY HOLE	EACH	\$ 5,000.00	4	\$ 20,000.00	4	\$ 20,000.00								
2504.603	1.5" TYPE K COPPER PIPE	LIN FT	\$ 115.00	14	\$ 1,610.00	14	\$ 1,610.00								
2504.603	6" WATERMAIN DUCTILE IRON CL 53	LIN FT	\$ 200.00	21	\$ 4,200.00	21	\$ 4,200.00								
2504.603	24" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 400.00	80	\$ 32,000.00	80	\$ 32,000.00								
2504.604	2" POLYSTYRENE INSULATION	SQ YD	\$ 20.00	108	\$ 2,160.00	36	\$ 720.00			72	\$ 1,440.00				
2504.608	DUCTILE AND GREY IRON FITTINGS	POUND	\$ 25.00	3020	\$ 75,500.00	3020	\$ 75,500.00								
2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	\$ 1,000.00	4	\$ 4,000.00			4	\$ 4,000.00						
2506.503	CONST DRAINAGE STRUCTURE DESIGN SPECIAL	LIN FT	\$ 1,000.00	28	\$ 28,000.00			28	\$ 28,000.00						
2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$ 900.00	5	\$ 4,500.00			5	\$ 4,500.00						
2506.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	\$ 1,800.00	3	\$ 5,400.00			3	\$ 5,400.00						
2506.602	CASTING ASSEMBLY	EACH	\$ 1,500.00	31	\$ 46,500.00			22	\$ 33,000.00					9	\$ 13,500.00
2506.602	CASTING ASSEMBLY SPECIAL	EACH	\$ 800.00	8	\$ 6,400.00			8	\$ 6,400.00						
2506.602	ADJUST FRAME & RING CASTING	EACH	\$ 700.00	23	\$ 16,100.00			11	\$ 7,700.00						
2506.602	VALVE BOX CLEANOUT	EACH	\$ 500.00	9	\$ 4,500.00			9	\$ 4,500.00						
2521.518	6" CONCRETE WALK	SQ FT	\$ 14.00	2453	\$ 34,342.00	2453	\$ 34,342.00								
2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	\$ 16.00	252	\$ 4,032.00	252	\$ 4,032.00								
2521.618	CONCRETE CURB RAMP WALK	SQ FT	\$ 20.00	3323	\$ 66,460.00	2683	\$ 53,660.00			640	\$ 12,800.00				
2531.503	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	\$ 35.00	2029	\$ 71,015.00	1666	\$ 58,310.00			363	\$ 12,705.00				
2531.503	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	\$ 150.00	20	\$ 3,000.00	20	\$ 3,000.00								
2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$ 150.00	30	\$ 4,500.00	30	\$ 4,500.00								
2531.503	CONCRETE CURB DESIGN V4	LIN FT	\$ 150.00	54	\$ 8,100.00	54	\$ 8,100.00								
2531.503	CONCRETE CURB DESIGN V6	LIN FT	\$ 150.00	56	\$ 8,400.00	56	\$ 8,400.00								
2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 110.00	281	\$ 30,910.00	281	\$ 30,910.00								
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 130.00	143	\$ 18,590.00	143	\$ 18,590.00								
2531.603	CONCRETE SILL	LIN FT	\$ 13.00	12	\$ 156.00	12	\$ 156.00								
2531.603	CONCRETE CURB & GUTTER	LIN FT	\$ 50.00	293	\$ 14,650.00	293	\$ 14,650.00								
2531.618	TRUNCATED DOMES	SQ FT	\$ 120.00	252	\$ 30,240.00	222	\$ 26,640.00			30	\$ 3,600.00				
2540.602	MAIL BOX SUPPORT	EACH	\$ 300.00	7	\$ 2,100.00	7	\$ 2,100.00								
2545.502	LIGHTING UNIT TYPE SPECIAL	EACH	\$ 6,500.00	16	\$ 104,000.00			16	\$ 104,000.00						
2545.502	LIGHT FOUNDATION DESIGN SPECIAL	EACH	\$ 1,500.00	6	\$ 9,000.00			6	\$ 9,000.00						
2545.502	SERVICE CABINET	EACH	\$ 7,000.00	1	\$ 7,000.00			1	\$ 7,000.00						
2545.502	HANDHOLE	EACH	\$ 1,500.00	8	\$ 12,000.00			8	\$ 12,000.00						
2545.503	2" NON-METALLIC CONDUIT	LIN FT	\$ 15.00	4380	\$ 65,700.00			4380	\$ 65,700.00						
2545.503	3" NON-METALLIC CONDUIT	LIN FT	\$ 15.00	40	\$ 600.00			40	\$ 600.00						
2545.503	UNDERGROUND WIRE 1/C 6 AWG	LIN FT	\$ 4.00	13260	\$ 53,040.00			13260	\$ 53,040.00						
2545.503	UNDERGROUND WIRE 1/C (BARE) 8 AWG	LIN FT	\$ 4.00	4420	\$ 17,680.00			4420	\$ 17,680.00						
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	\$ 10,000.00	1	\$ 10,000.00	1	\$ 10,000.00								
2563.601	TRAFFIC CONTROL	LUMP SUM	\$ 50,000.00	1	\$ 50,000.00	0.64	\$ 32,000.00	0.09	\$ 4,500.00	0.23	\$ 11,500.00			0.04	\$ 2,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	\$ 8,000.00	1	\$ 8,000.00	0.64	\$ 5,120.00	0.09	\$ 720.00	0.23	\$ 1,840.00			0.04	\$ 320.00

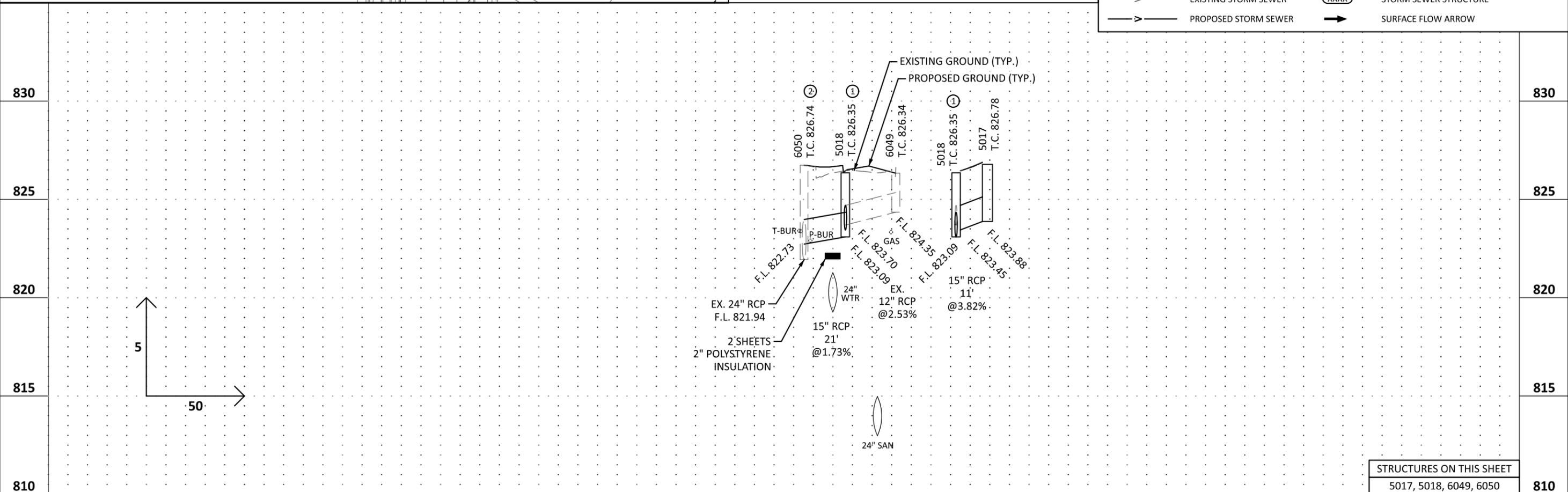
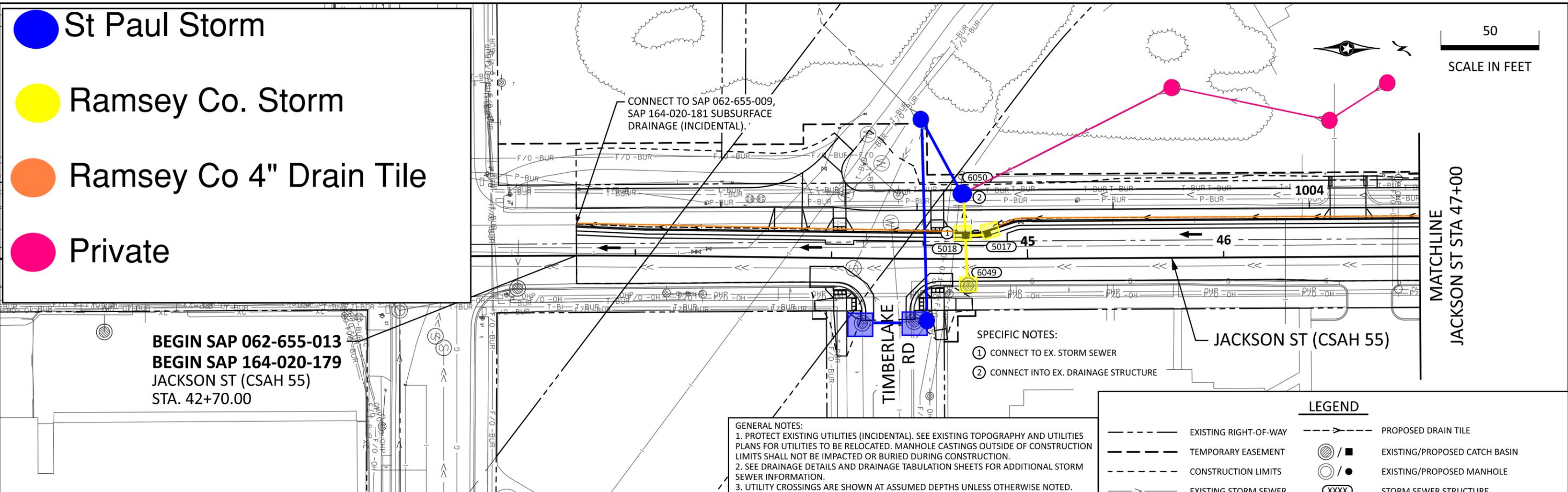
Item #	Description	Units	Unit Cost	Total Estimate		RAMSEY COUNTY ROADWAY SAP 062-655-013		RAMSEY COUNTY STORM SEWER SAP 062-655-013		CITY OF ST PAUL SAP 164-020-179		CITY OF ST PAUL SAINT PAUL REGIONAL WATER		CITY OF ST PAUL SANITARY SEWERS	
				Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	\$ 70.00	10	\$ 700.00	10	\$ 700.00								
2564.502	INSTALL SIGN PANEL	EACH	\$ 200.00	3	\$ 600.00	3	\$ 600.00								
2564.602	INSTALL SIGN	EACH	\$ 700.00	6	\$ 4,200.00	6	\$ 4,200.00								
2564.602	INSTALL SIGN PANEL SPECIAL	EACH	\$ 500.00	4	\$ 2,000.00	4	\$ 2,000.00								
2564.602	DELINEATOR / MARKER	EACH	\$ 300.00	2	\$ 600.00	2	\$ 600.00								
2564.618	SIGN	SQ FT	\$ 100.00	89	\$ 8,900.00	89	\$ 8,900.00								
2564.618	SIGN PANEL	SQ FT	\$ 55.00	55	\$ 3,025.00	55	\$ 3,025.00								
2571.502	DECIDUOUS TREE 1.5" CAL B&B	EACH	\$ 900.00	24	\$ 21,600.00	24	\$ 21,600.00								
2571.502	DECIDUOUS TREE 2" CAL B&B	EACH	\$ 1,000.00	5	\$ 5,000.00	5	\$ 5,000.00								
2571.602	TREE PROTECTION	EACH	\$ 150.00	3	\$ 450.00	3	\$ 450.00								
2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	\$ 5,000.00	1	\$ 5,000.00	0.64	\$ 3,200.00	0.09	\$ 450.00	0.23	\$ 1,150.00			0.04	\$ 200.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	\$ 220.00	28	\$ 6,160.00	28	\$ 6,160.00								
2573.502	FLOCCULANT SOCK	EACH	\$ 200.00	5	\$ 1,000.00	5	\$ 1,000.00								
2574.505	SUBSOILING	ACRE	\$ 500.00	0.3	\$ 150.00	0.3	\$ 150.00								
2574.505	SOIL BED PREPARATION	ACRE	\$ 500.00	1	\$ 500.00	1	\$ 500.00								
2574.507	BOULEVARD TOPSOIL BORROW	CU YD	\$ 80.00	16	\$ 1,280.00	16	\$ 1,280.00								
2574.508	FERTILIZER TYPE 1	POUND	\$ 5.00	199	\$ 995.00	199	\$ 995.00								
2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SQ YD	\$ 2.00	926	\$ 1,852.00	926	\$ 1,852.00								
2575.505	SEEDING	ACRE	\$ 500.00	0.6	\$ 300.00	0.6	\$ 300.00								
2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	\$ 3.00	1993	\$ 5,979.00	1993	\$ 5,979.00								
2575.523	RAPID STABILIZATION METHOD 3	M GALLON	\$ 600.00	3.6	\$ 2,160.00	3.6	\$ 2,160.00								
2575.608	SEED SOUTHERN BOULEVARD	POUND	\$ 10.00	44	\$ 440.00	44	\$ 440.00								
2575.608	SEED TURFGRASS	POUND	\$ 10.00	58	\$ 580.00	58	\$ 580.00								
2581.503	4" REMOVABLE PREFORM PAVEMENT MARKING TAPE WR	LIN FT	\$ 2.00	4980	\$ 9,960.00	4980	\$ 9,960.00								
2581.503	6" REMOVABLE PREFORM PAVEMENT MARKING TAPE WR	LIN FT	\$ 2.00	800	\$ 1,600.00	800	\$ 1,600.00								
2581.603	REMOVABLE PREFORMED PLASTIC MASK (BLACK)	LIN FT	\$ 3.00	1600	\$ 4,800.00	1600	\$ 4,800.00								
2582.503	4" SOLID LINE PAINT	LIN FT	\$ 0.30	200	\$ 60.00	200	\$ 60.00								
2582.503	6" SOLID LINE PAINT (WR)	LIN FT	\$ 0.80	4400	\$ 3,520.00	4400	\$ 3,520.00								
2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 1.00	3968	\$ 3,968.00	3968	\$ 3,968.00								
2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 2.00	1995	\$ 3,990.00	1995	\$ 3,990.00								
2582.518	CROSSWALK PREF THERMO GR IN	SQ FT	\$ 20.00	370	\$ 7,400.00	370	\$ 7,400.00							0	
				Subtotal:	\$ 1,649,656.00	\$ 1,051,527.00	\$ 152,109.00	\$ 374,520.00	\$ 6,300.00	\$ 65,200.00					
				Inflation for 2026 construction (6%)	\$ 87,000.00	\$ 65,000.00	\$ 9,000.00	\$ 22,000.00		\$ 4,000.00					
				Total:	\$ 1,736,656.00	\$ 1,116,527.00	\$ 161,109.00	\$ 396,520.00	\$ 6,300.00	\$ 69,200.00					

NOTES:
(1) SEE DETAIL ON SHEET 26.
(2) AS DIRECTED BY THE ENGINEER.
(3) ALL 20, 24", AND 30" DI MAIN TO BE RESTRAINED SLIP JOINT OR LOCKING SLIP JOINT TYPE PIPE. US PIPE/MCWANE TR FLEX, US PIPE HP LOK, AMERICAN LOK-RING, OR APPROVED EQUAL.

JACKSON ST (CSAH 55) - ENGINEER'S ESTIMATE

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	PROJECT TOTAL		PARTICIPATING												NON-PARTICIPATING			
						JACKSON ST (CSAH 55)						MARYLAND AVE (CSAH 31)						WATER SYSTEM IMPROVEMENTS		SANITARY SEWER IMPROVEMENTS	
						RAMSEY COUNTY (ROADWAY)		RAMSEY COUNTY (STORM SEWER)		CITY OF SAINT PAUL		RAMSEY COUNTY (ROADWAY)		RAMSEY COUNTY (STORM SEWER)		CITY OF SAINT PAUL		SAINT PAUL REGIONAL WATER	CITY OF SAINT PAUL SEWERS		
						QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2011.601	VIBRATION MONITORING (BUILDING)	LUMP SUM	\$25,000.00	1	\$25,000.00	1	\$25,000.00														
2011.601	VIBRATION MONITORING (WATERMAIN)	LUMP SUM	\$25,000.00	1	\$25,000.00	1	\$25,000.00														
2021.501	MOBILIZATION	LUMP SUM	\$1,000,000.00	1	\$1,000,000.00	0.85	\$850,000.00	0.05	\$50,000.00	0.03	\$30,000.00	0.04	\$40,000.00			0.01	\$10,000.00		0.02	\$20,000.00	
2031.502	FIELD OFFICE	EACH	\$150,000.00	1	\$150,000.00	0.85	\$127,500.00	0.05	\$7,500.00	0.03	\$4,500.00	0.04	\$6,000.00			0.01	\$1,500.00		0.02	\$3,000.00	
2101.502	CLEARING	EACH	\$470.00	86	\$40,420.00	85	\$39,950.00					1	\$470.00								
2101.502	GRUBBING	EACH	\$350.00	87	\$30,450.00	86	\$30,100.00					1	\$350.00								
2101.505	CLEARING	ACRE	\$8,000.00	0.4	\$3,200.00	0.4	\$3,200.00														
2101.505	GRUBBING	ACRE	\$5,300.00	0.4	\$2,120.00	0.4	\$2,120.00														
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	\$1.00	452	\$452.00							452	\$452.00								
2103.502	DISCONNECT WATER SERVICE	EACH	\$1,400.00	1	\$1,400.00														1	\$1,400.00	
2104.502	REMOVE ANCHORAGE ASSEMBLY-PLATE BEAM	EACH	\$510.00	1	\$510.00	1	\$510.00														
2104.502	REMOVE RAILROAD TIES	EACH	\$160.00	111	\$17,760.00	111	\$17,760.00														
2104.502	REMOVE BOLLARDS	EACH	\$260.00	1	\$260.00	1	\$260.00														
2104.502	REMOVE TWISTED END TREATMENT	EACH	\$650.00	2	\$1,300.00	2	\$1,300.00														
2104.502	REMOVE MANHOLE OR CATCH BASIN	EACH	\$580.00	30	\$17,400.00	28	\$16,240.00					2	\$1,160.00								
2104.502	REMOVE MANHOLE	EACH	\$580.00	11	\$6,380.00	1	\$580.00												10	\$5,800.00	
2104.502	REMOVE CASTING	EACH	\$250.00	19	\$4,750.00	17	\$4,250.00					2	\$500.00								
2104.502	REMOVE HYDRANT	EACH	\$900.00	9	\$8,100.00	9	\$8,100.00														
2104.502	REMOVE FOUNDATION	EACH	\$600.00	1	\$600.00	1	\$600.00														
2104.502	REMOVE SIGN	EACH	\$40.00	31	\$1,240.00	21	\$840.00					10	\$400.00								
2104.502	REMOVE LIGHTING SYSTEM	EACH	\$8,000.00	2	\$16,000.00			1	\$8,000.00						1	\$8,000.00					
2104.502	REMOVE SIGN PANEL	EACH	\$35.00	9	\$315.00	7	\$245.00					2	\$70.00								
2104.502	SALVAGE VEHICULAR GATE	EACH	\$2,500.00	1	\$2,500.00	1	\$2,500.00														
2104.502	SALVAGE SIGN	EACH	\$70.00	3	\$210.00	3	\$210.00														
2104.502	RELOCATE COMMUNITY EMBLEM	EACH	\$250.00	1	\$250.00	1	\$250.00														
2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$3.00	2794	\$8,382.00	1187	\$3,561.00					1607	\$4,821.00								
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	\$18.00	899	\$16,182.00	849	\$15,282.00					50	\$900.00								
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$18.00	331	\$5,958.00	127	\$2,286.00												204	\$3,672.00	
2104.503	REMOVE CURB & GUTTER	LIN FT	\$6.00	3597	\$21,582.00	1357	\$8,142.00					2240	\$13,440.00								
2104.503	REMOVE CONCRETE CURB	LIN FT	\$4.50	4306	\$19,377.00	4306	\$19,377.00														
2104.503	REMOVE CONCRETE PARKING STOPS	LIN FT	\$6.00	8	\$48.00	8	\$48.00														
2104.503	REMOVE RETAINING WALL	LIN FT	\$120.00	180	\$21,600.00	180	\$21,600.00														
2104.503	REMOVE CHAIN LINK FENCE	LIN FT	\$9.40	2485	\$23,359.00	2485	\$23,359.00														
2104.503	REMOVE CABLE GUARDRAIL	LIN FT	\$4.00	866	\$3,464.00	866	\$3,464.00														
2104.503	REMOVE GUARDRAIL-PLATE BEAM	LIN FT	\$7.50	162	\$1,215.00	162	\$1,215.00														
2104.503	REMOVE RAILROAD TRACK	LIN FT	\$75.00	180	\$13,500.00	180	\$13,500.00														
2104.503	SALVAGE CHAIN LINK FENCE	LIN FT	\$13.00	122	\$1,586.00	122	\$1,586.00														
2104.503	SALVAGE GUARDRAIL-CABLE	LIN FT	\$6.00	122	\$732.00	122	\$732.00														
2104.504	REMOVE PAVEMENT	SQ YD	\$10.00	2129	\$21,290.00	2129	\$21,290.00														
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$14.00	256	\$3,584.00	256	\$3,584.00														
2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$8.00	5890	\$47,120.00	5890	\$47,120.00														
2104.504	REMOVE CONCRETE APPROACH PANEL	SQ YD	\$26.00	240	\$6,240.00	240	\$6,240.00														
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$6.00	685	\$4,110.00	685	\$4,110.00														
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$5.00	7901	\$39,505.00	5818	\$29,090.00					2083	\$10,415.00								
2104.518	REMOVE RETAINING WALL	SQ FT	\$20.00	40	\$800.00	40	\$800.00														
2104.518	REMOVE BITUMINOUS WALK	SQ FT	\$1.30	712	\$925.60	712	\$925.60														
2104.518	REMOVE CONCRETE WALK	SQ FT	\$2.00	21401	\$42,802.00	11458	\$22,916.00					9943	\$19,886.00								

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 PLOTTED: 21-JAN-2026
 TIME: 8:27:37 AM



DES: EMC	I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA			ALLIANT	DRAINAGE PLANS AND PROFILES	JACKSON ST (CSAH 55)	SHEET NO.	53
DRW: EMC	SIGNATURE: _____ LIC. NO. _____ DATE: _____					SAP 062-655-013	TOTAL SHEETS	108
CHK: CJF						SAP 164-020-179		

TIME: 8:27:37 AM

PLOTTED: 21-JAN-2026

PLOT NAME: cd062655010_300drp_N

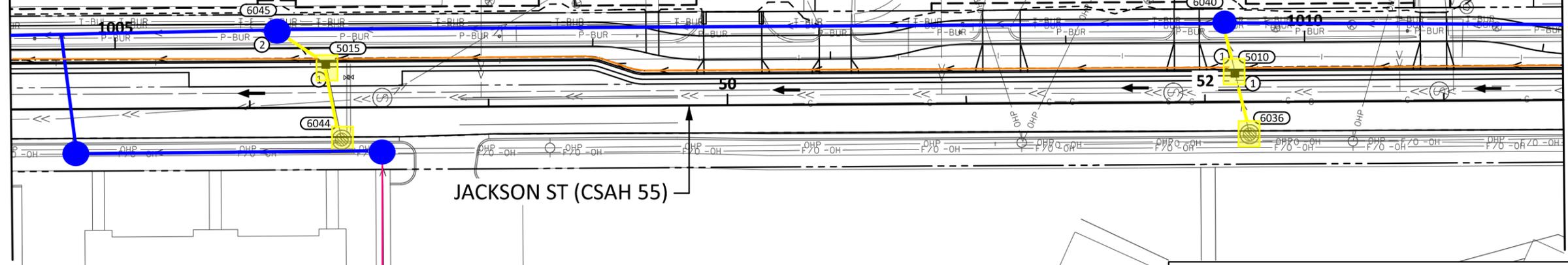
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50
SCALE IN FEET

SPECIFIC NOTES:

- ① CONNECT TO EX. STORM SEWER
- ② CONNECT INTO EX. DRAINAGE STRUCTURE

MATCHLINE
JACKSON ST STA 47+00



MATCHLINE
JACKSON ST STA 53+50

JACKSON ST (CSAH 55)

GENERAL NOTES:

- 1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED. MANHOLE CASTINGS OUTSIDE OF CONSTRUCTION LIMITS SHALL NOT BE IMPACTED OR BURIED DURING CONSTRUCTION.
- 2. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
- 3. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

- EXISTING RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED DRAIN TILE
- / ■ EXISTING/PROPOSED CATCH BASIN
- / ● EXISTING/PROPOSED MANHOLE
- XXXX STORM SEWER STRUCTURE
- SURFACE FLOW ARROW

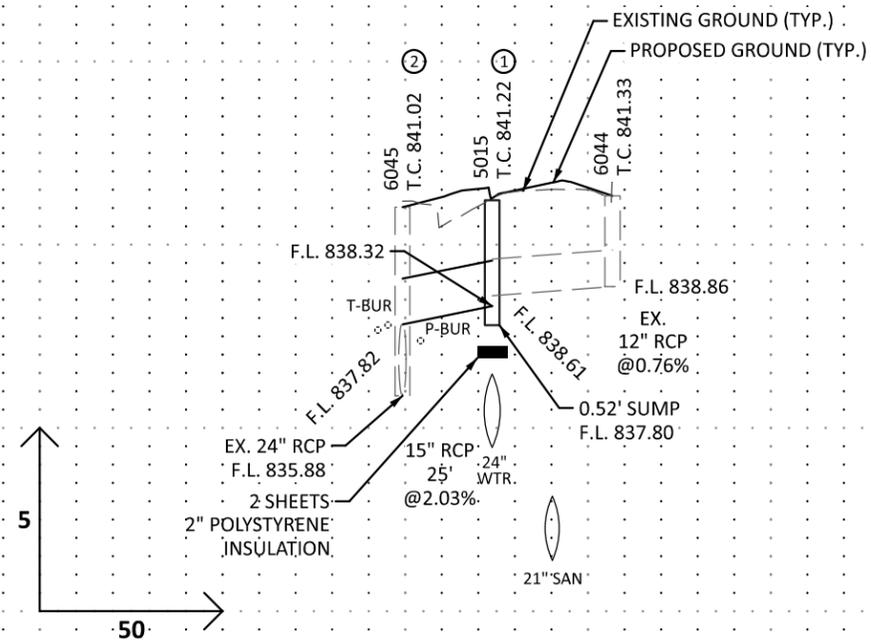
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840

835

830

825



845

840

835

830

825

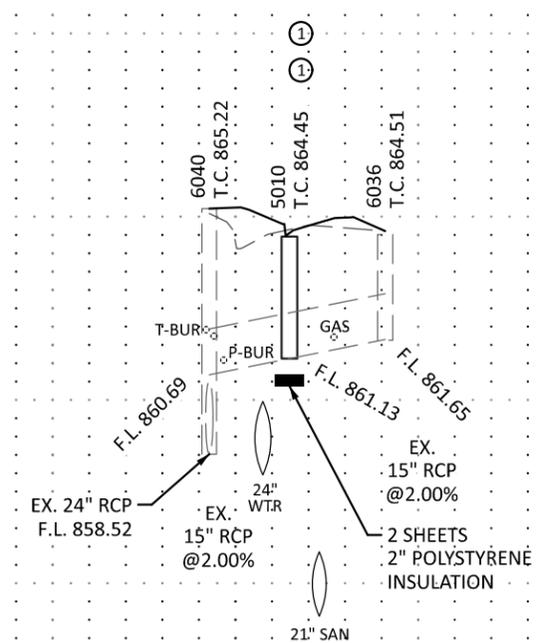
870

865

860

855

850



870

865

860

855

850

STRUCTURES ON THIS SHEET	
5010, 5015, 6036, 6040, 6044, 6045	

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____ LIC. NO. _____ DATE: _____



DRAINAGE PLANS AND PROFILES

JACKSON ST (CSAH 55)	SHEET NO.	54
SAP 062-655-013	TOTAL SHEETS	108
SAP 164-020-179		

NO.	DATE	BY	DESCRIPTION OF REVISIONS

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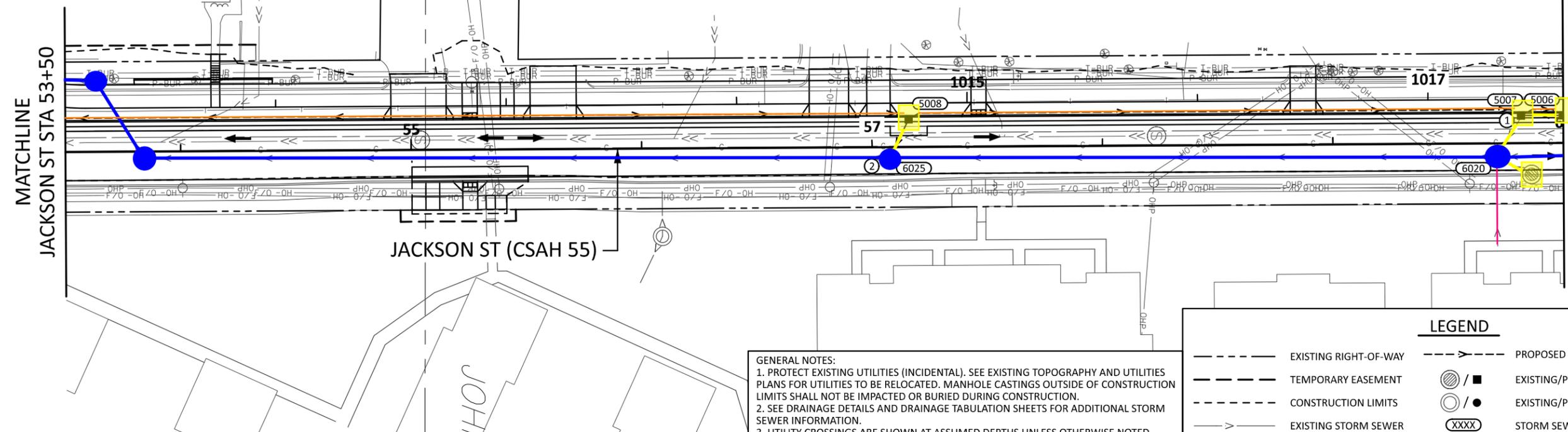
PLOTTED: 21-JAN-2026

MATCHLINE
 JACKSON ST STA 53+50

MATCHLINE
 JACKSON ST STA 60+00

JACKSON ST (CSAH 55)

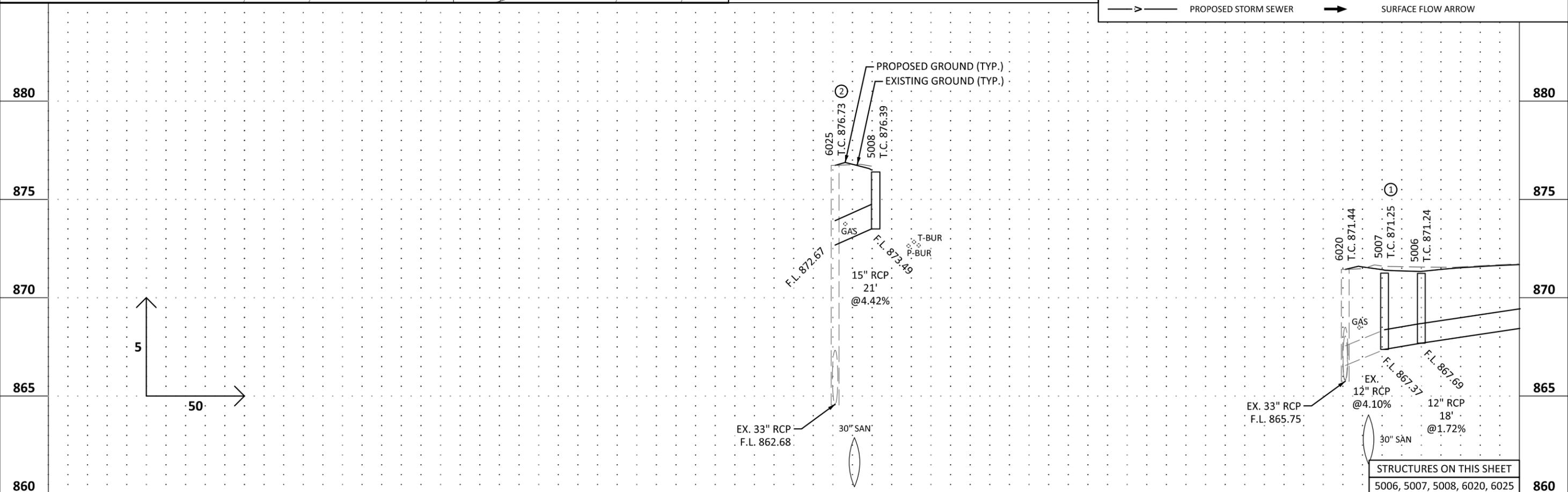
- SPECIFIC NOTES:
- ① CONNECT TO EX. STORM SEWER
 - ② CONNECT INTO EX. DRAINAGE STRUCTURE



- GENERAL NOTES:
- 1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED. MANHOLE CASTINGS OUTSIDE OF CONSTRUCTION LIMITS SHALL NOT BE IMPACTED OR BURIED DURING CONSTRUCTION.
 - 2. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
 - 3. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

---	EXISTING RIGHT-OF-WAY	- - -	PROPOSED DRAIN TILE
- - -	TEMPORARY EASEMENT	○ / ■	EXISTING/PROPOSED CATCH BASIN
- - -	CONSTRUCTION LIMITS	○ / ●	EXISTING/PROPOSED MANHOLE
---	EXISTING STORM SEWER	XXXX	STORM SEWER STRUCTURE
---	PROPOSED STORM SEWER	→	SURFACE FLOW ARROW



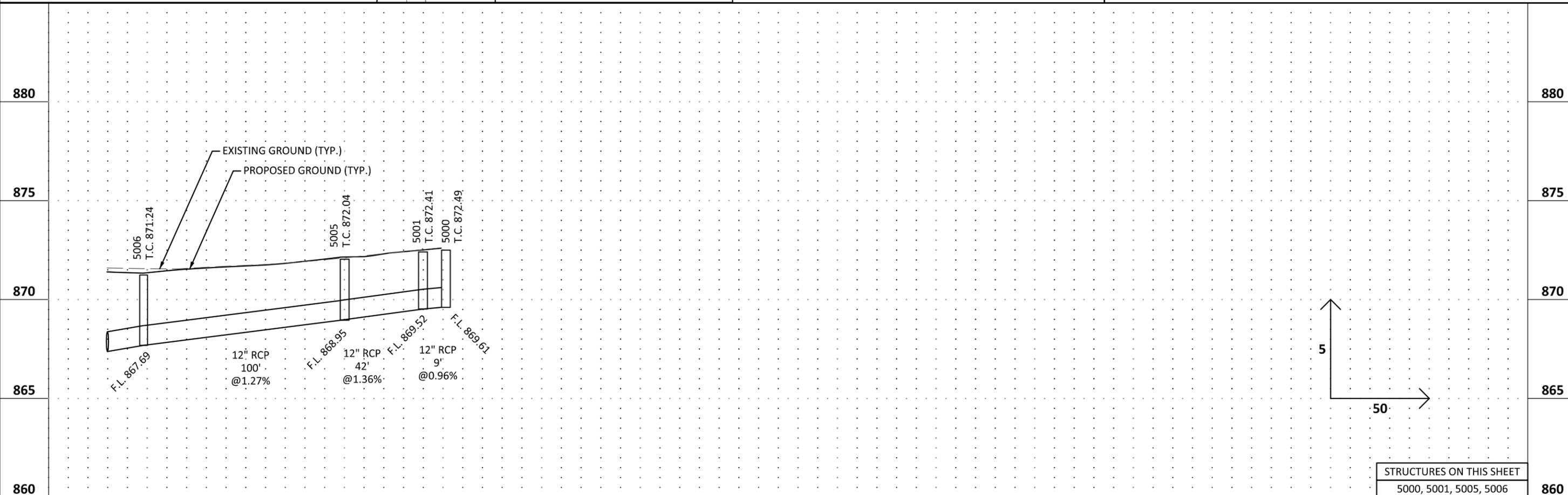
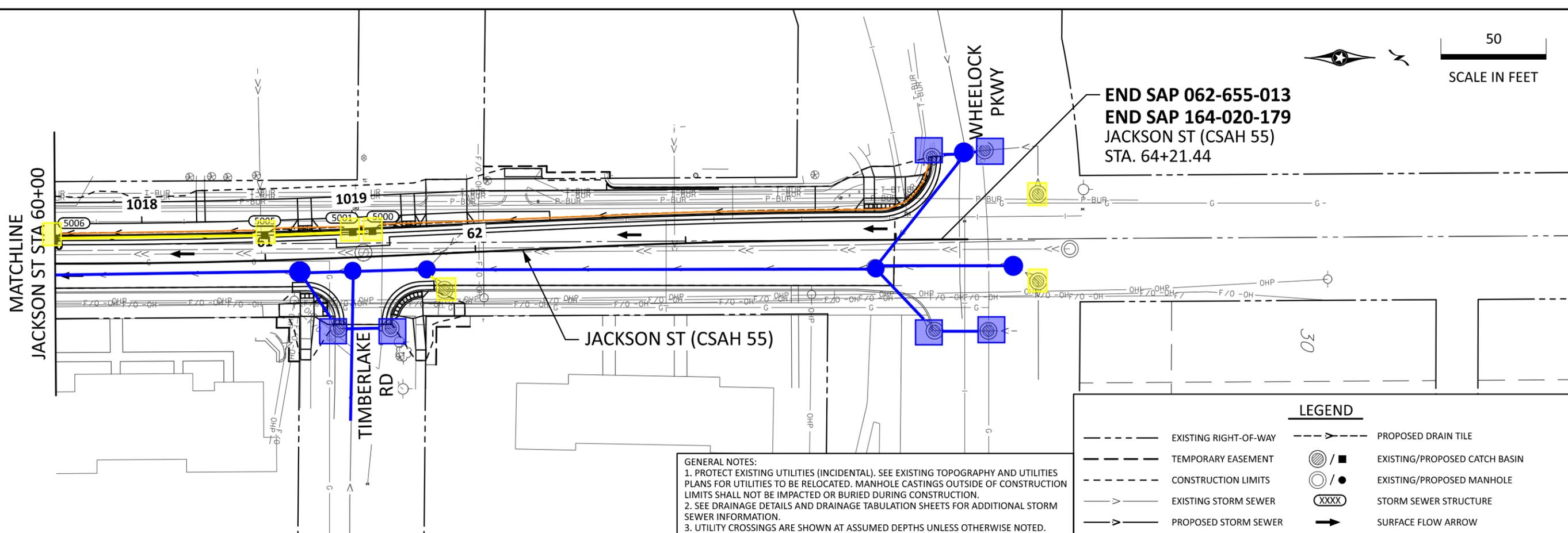
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	DRW: EMC	SIGNATURE: _____ LIC. NO. _____ DATE: _____			SAP 062-655-013	TOTAL SHEETS 108
NO.	DATE	BY	DESCRIPTION OF REVISIONS	CHK: CJF	SAP 164-020-179	

STRUCTURES ON THIS SHEET
 5006, 5007, 5008, 6020, 6025

TIME: 8:27:39 AM

PLOTTED: 21-JAN-2026

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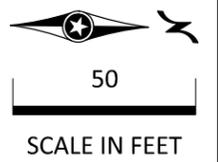


DES: EMC	I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA				DRAINAGE PLANS AND PROFILES	JACKSON ST (CSAH 55)	SHEET NO. 56
DRW: EMC	SIGNATURE: _____ LIC. NO. _____ DATE: _____					SAP 062-655-013	TOTAL SHEETS 108
NO.	DATE	BY	DESCRIPTION OF REVISIONS	CHK: CJF	SAP 164-020-179		

PLOT NAME: cd062655010_300drp_S-a
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 PLOTTED: 14-JAN-2026
 TIME: 3:57:43 PM

- St Paul Storm
- Ramsey Co. Storm
- Ramsey Co 4" Drain Tile
- Private
- Capitol Region Watershed

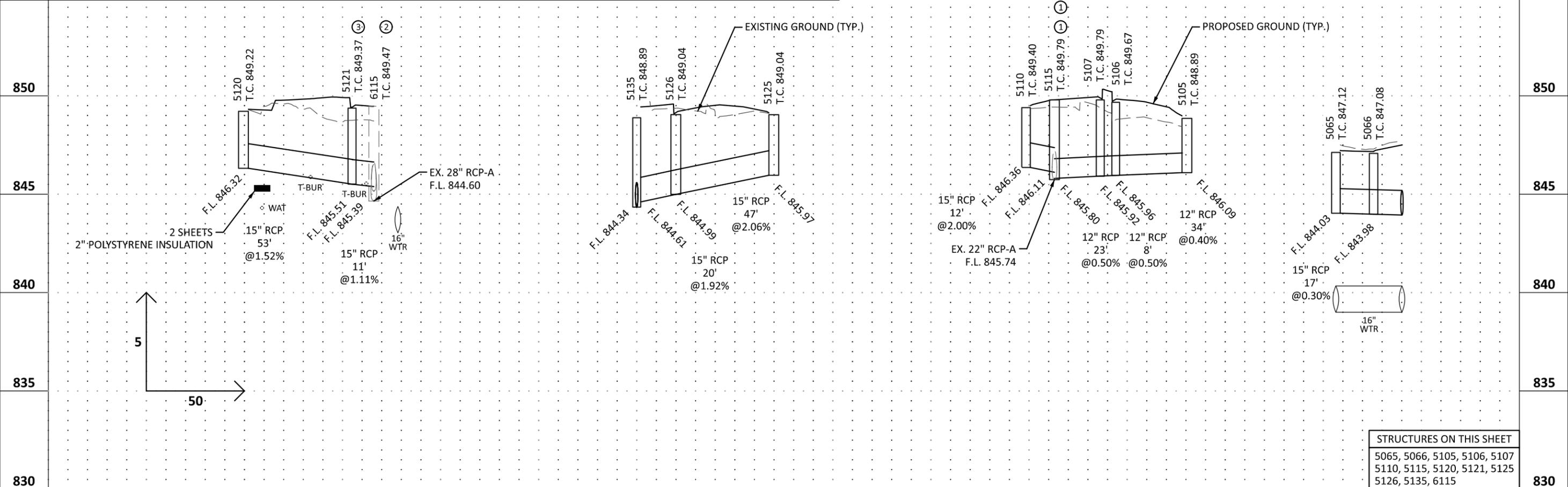
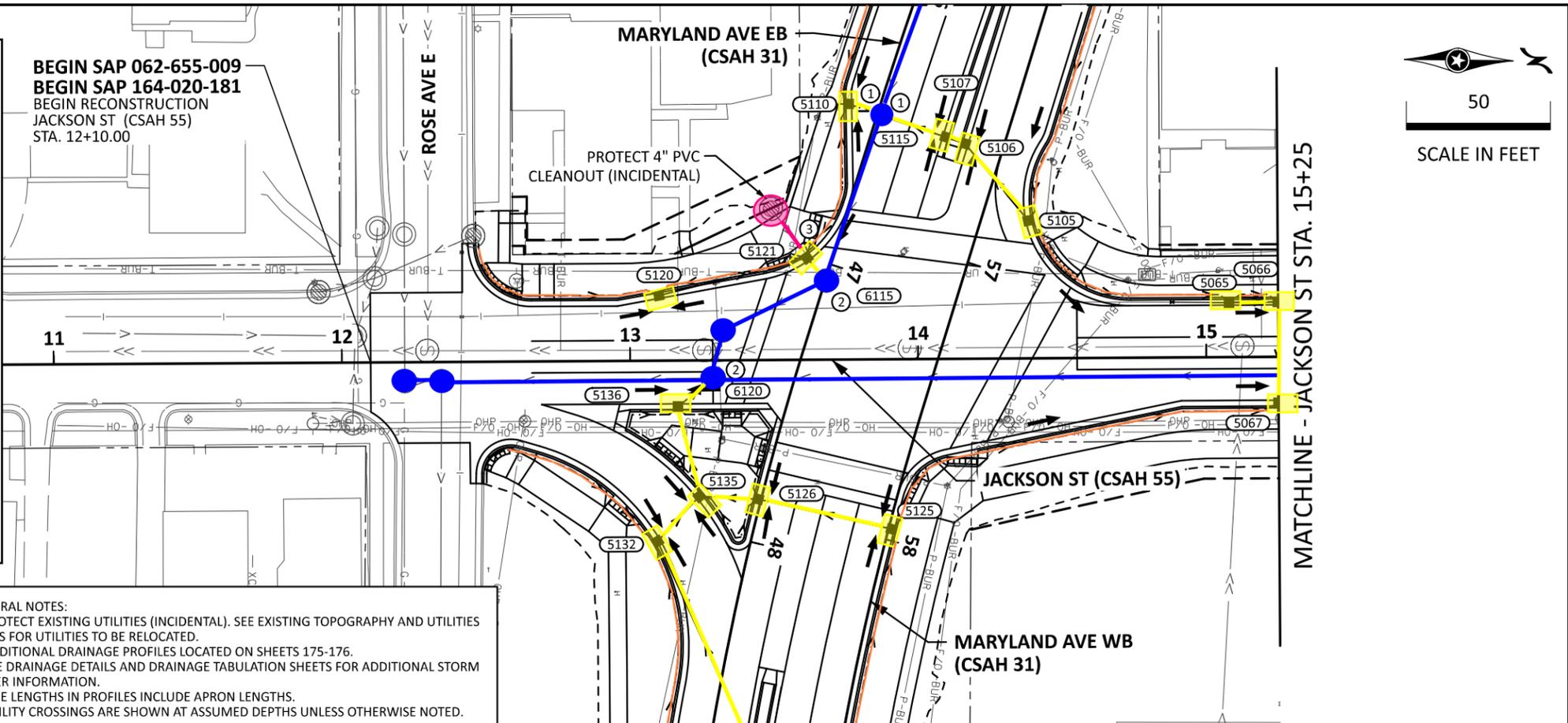
BEGIN SAP 062-655-009
 BEGIN SAP 164-020-181
 BEGIN RECONSTRUCTION
 JACKSON ST (CSAH 55)
 STA. 12+10.00



<p>EXISTING RIGHT-OF-WAY</p> <p>TEMPORARY EASEMENT</p> <p>CONSTRUCTION LIMITS</p> <p>SURFACE FLOW ARROW</p> <p>EXISTING STORM SEWER</p> <p>PROPOSED STORM SEWER</p>	<p>PROPOSED DRAIN TILE</p> <p>EXISTING/PROPOSED APRON</p> <p>EXISTING/PROPOSED CATCH BASIN</p> <p>EXISTING/PROPOSED MANHOLE</p> <p>STORM SEWER STRUCTURE/APRON NUMBER</p> <p>RANDOM RIPRAP</p>
---	--

GENERAL NOTES:

1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.



STRUCTURES ON THIS SHEET	
5065, 5066, 5105, 5106, 5107	
5110, 5115, 5120, 5121, 5125	
5126, 5135, 6115	

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____
 PRINTED NAME: _____
 LIC. NO. _____ DATE: _____

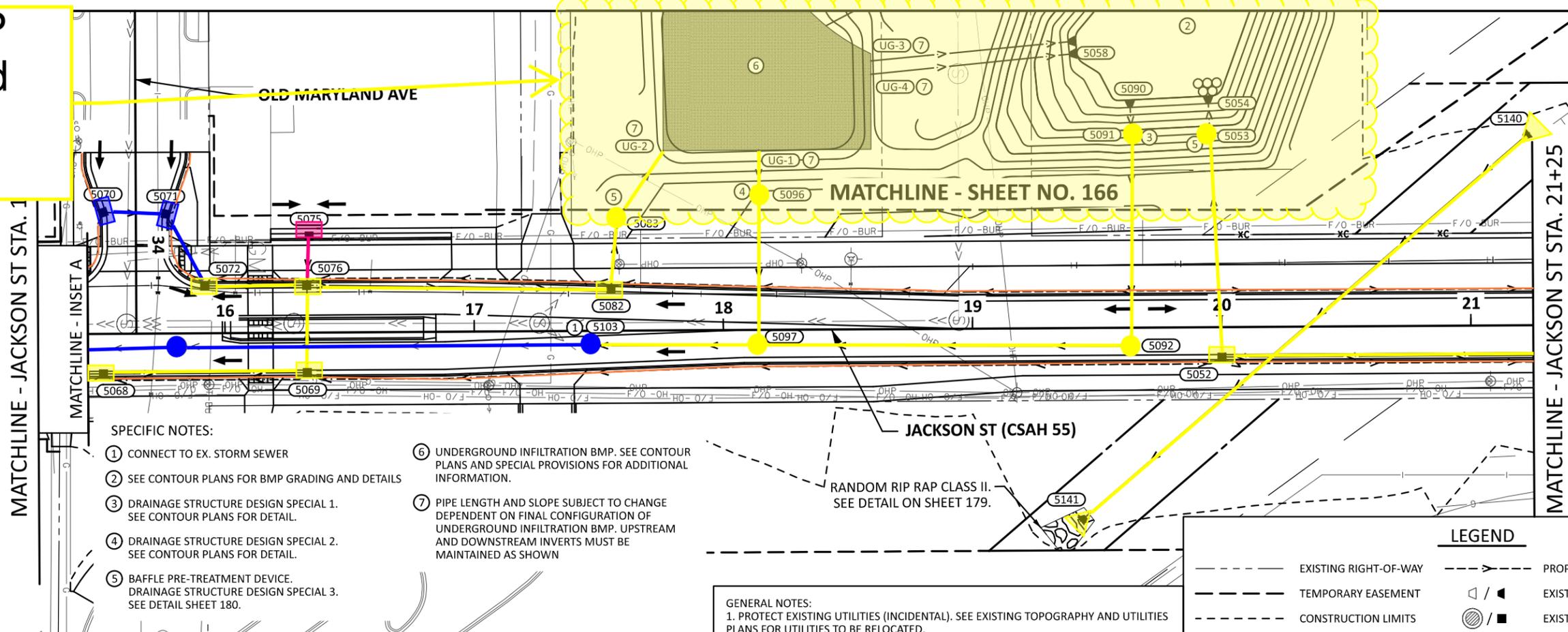
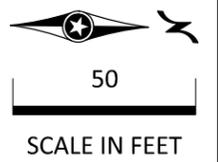


DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)	SHEET NO. 166
SAP 164-020-181, SAP 164-020-183 SAP 062-655-009, SAP 062-631-037	TOTAL SHEETS 271

Ramsey's BMP 100% Own and Maintained

PLOT NAME: cd062655010_300drp_S-a
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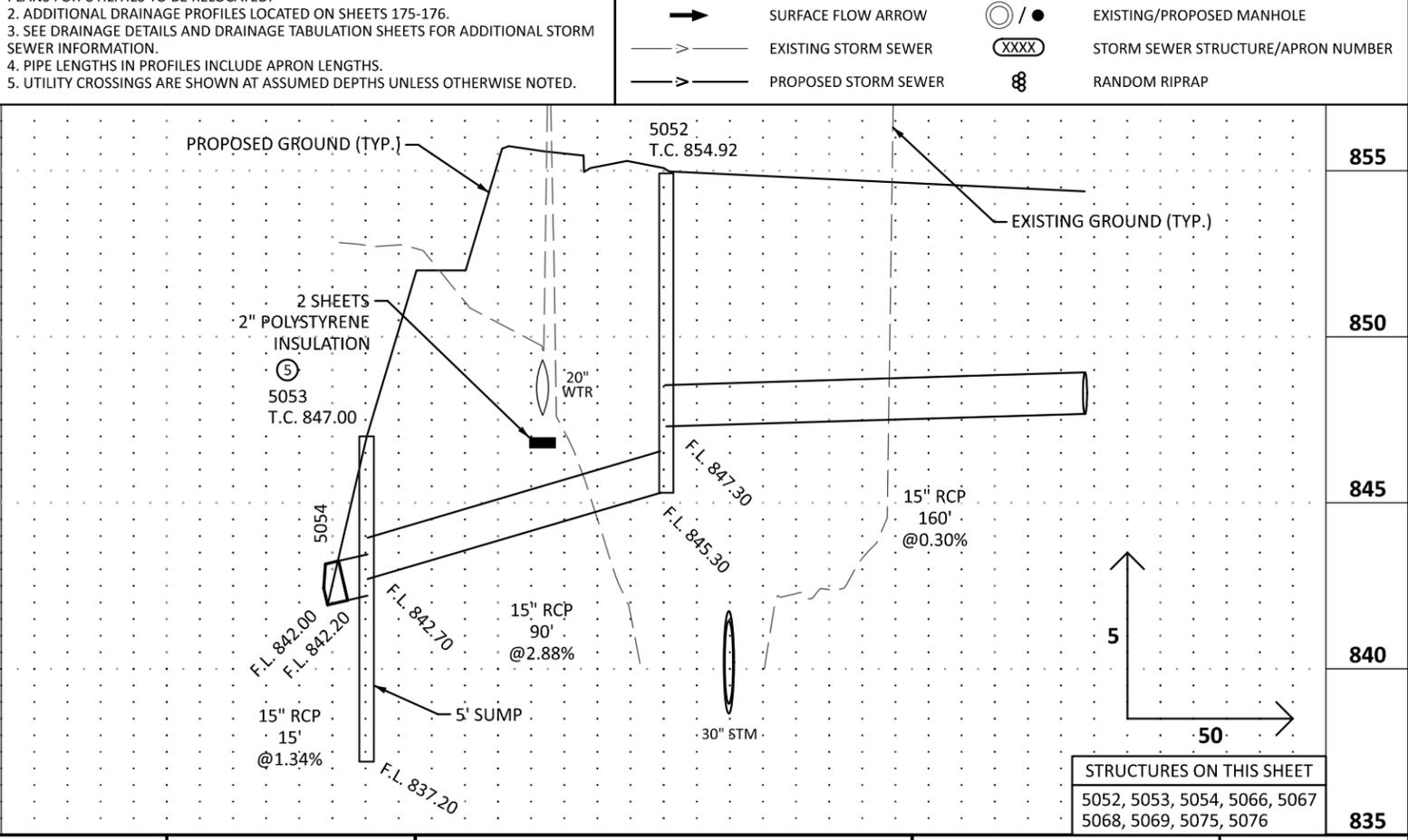
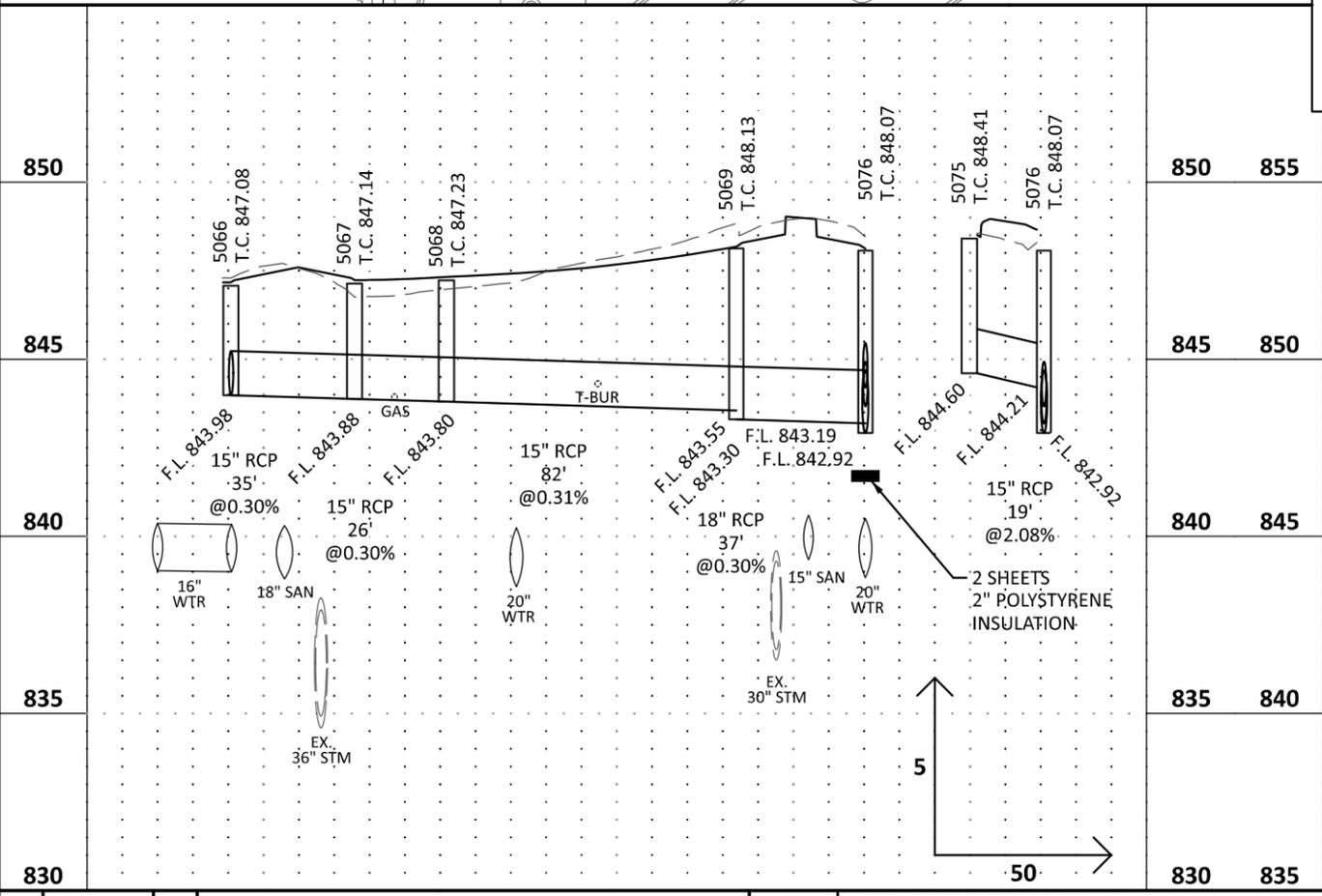


- SPECIFIC NOTES:**
- ① CONNECT TO EX. STORM SEWER
 - ② SEE CONTOUR PLANS FOR BMP GRADING AND DETAILS
 - ③ DRAINAGE STRUCTURE DESIGN SPECIAL 1. SEE CONTOUR PLANS FOR DETAIL.
 - ④ DRAINAGE STRUCTURE DESIGN SPECIAL 2. SEE CONTOUR PLANS FOR DETAIL.
 - ⑤ BAFFLE PRE-TREATMENT DEVICE. DRAINAGE STRUCTURE DESIGN SPECIAL 3. SEE DETAIL SHEET 180.
 - ⑥ UNDERGROUND INFILTRATION BMP. SEE CONTOUR PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
 - ⑦ PIPE LENGTH AND SLOPE SUBJECT TO CHANGE DEPENDENT ON FINAL CONFIGURATION OF UNDERGROUND INFILTRATION BMP. UPSTREAM AND DOWNSTREAM INVERTS MUST BE MAINTAINED AS SHOWN

- GENERAL NOTES:**
1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
 2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
 3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
 4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
 5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

---	EXISTING RIGHT-OF-WAY	- - - - -	PROPOSED DRAIN TILE
- - - - -	TEMPORARY EASEMENT	◻ / ◼	EXISTING/PROPOSED APRON
- - - - -	CONSTRUCTION LIMITS	◉ / ◐	EXISTING/PROPOSED CATCH BASIN
→	SURFACE FLOW ARROW	◯ / ●	EXISTING/PROPOSED MANHOLE
- - - - -	EXISTING STORM SEWER	XXXX	STORM SEWER STRUCTURE/APRON NUMBER
- - - - -	PROPOSED STORM SEWER	⊗	RANDOM RIPRAP



STRUCTURES ON THIS SHEET

5052, 5053, 5054, 5066, 5067, 5068, 5069, 5075, 5076
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NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

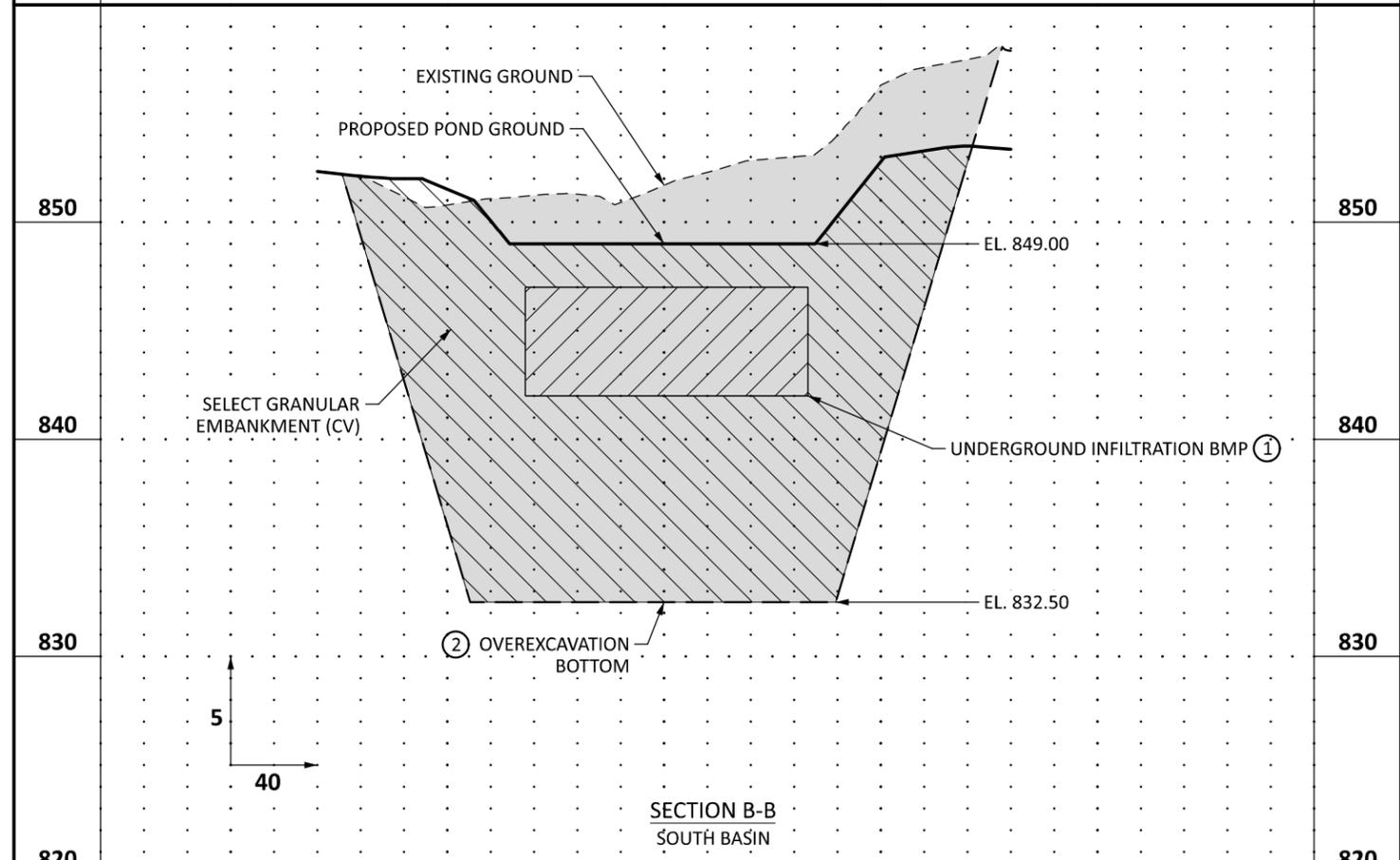
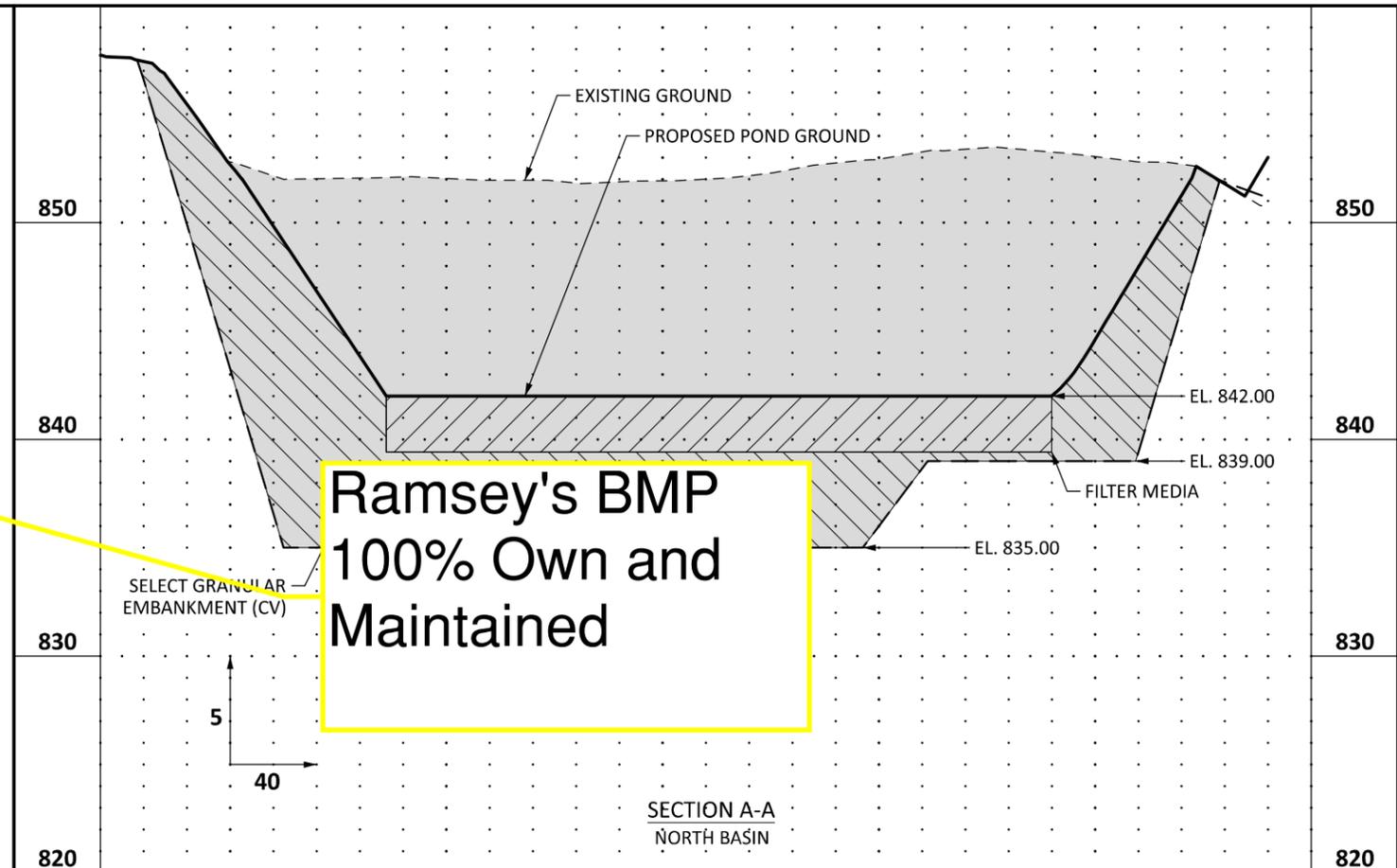
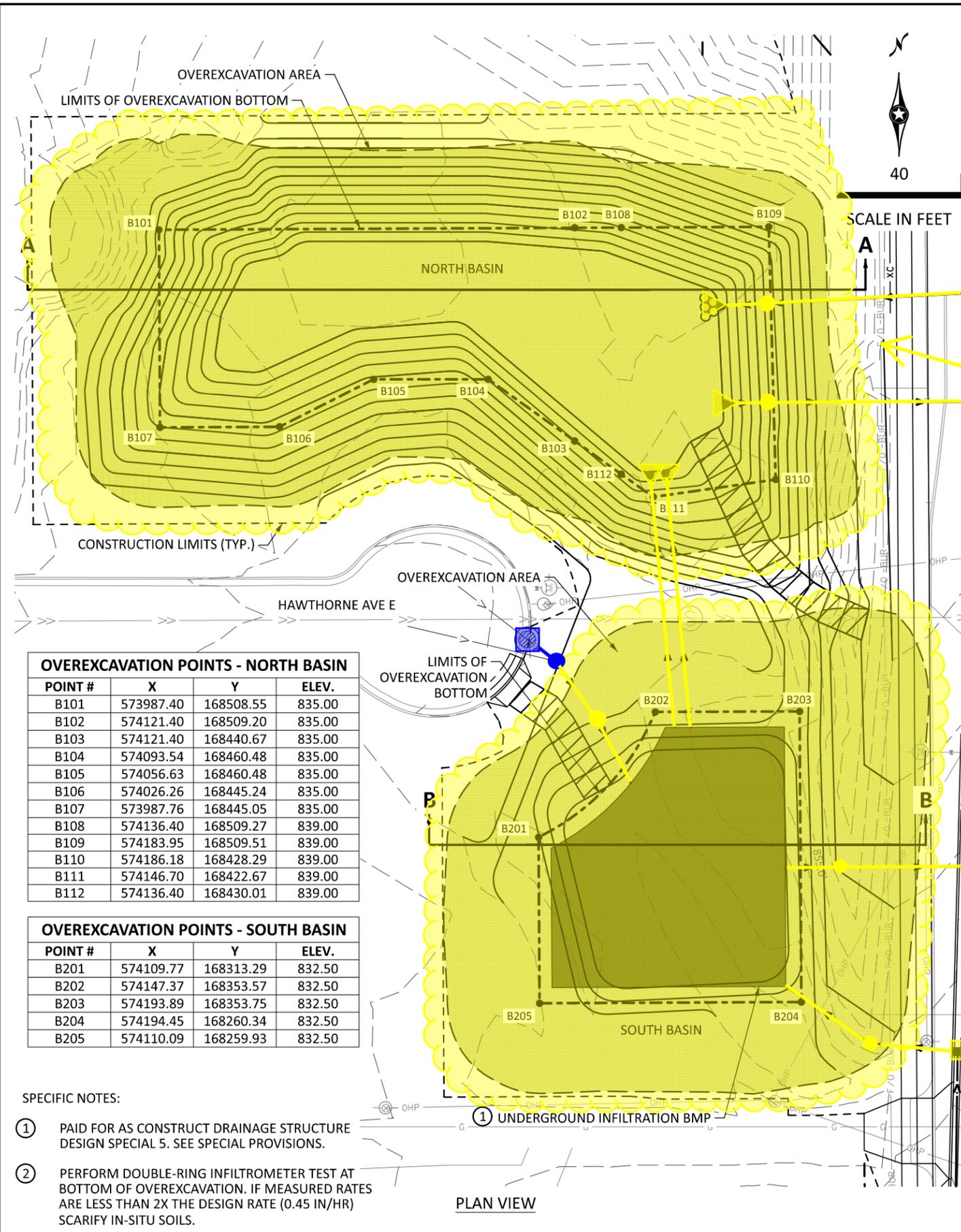
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 LIC. NO. _____ DATE: _____



DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)	SHEET NO. 167
SAP 164-020-181, SAP 164-020-183 SAP 062-655-009, SAP 062-631-037	TOTAL SHEETS 271

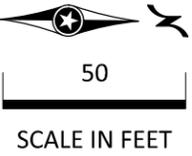
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TIME: 3:57:45 PM

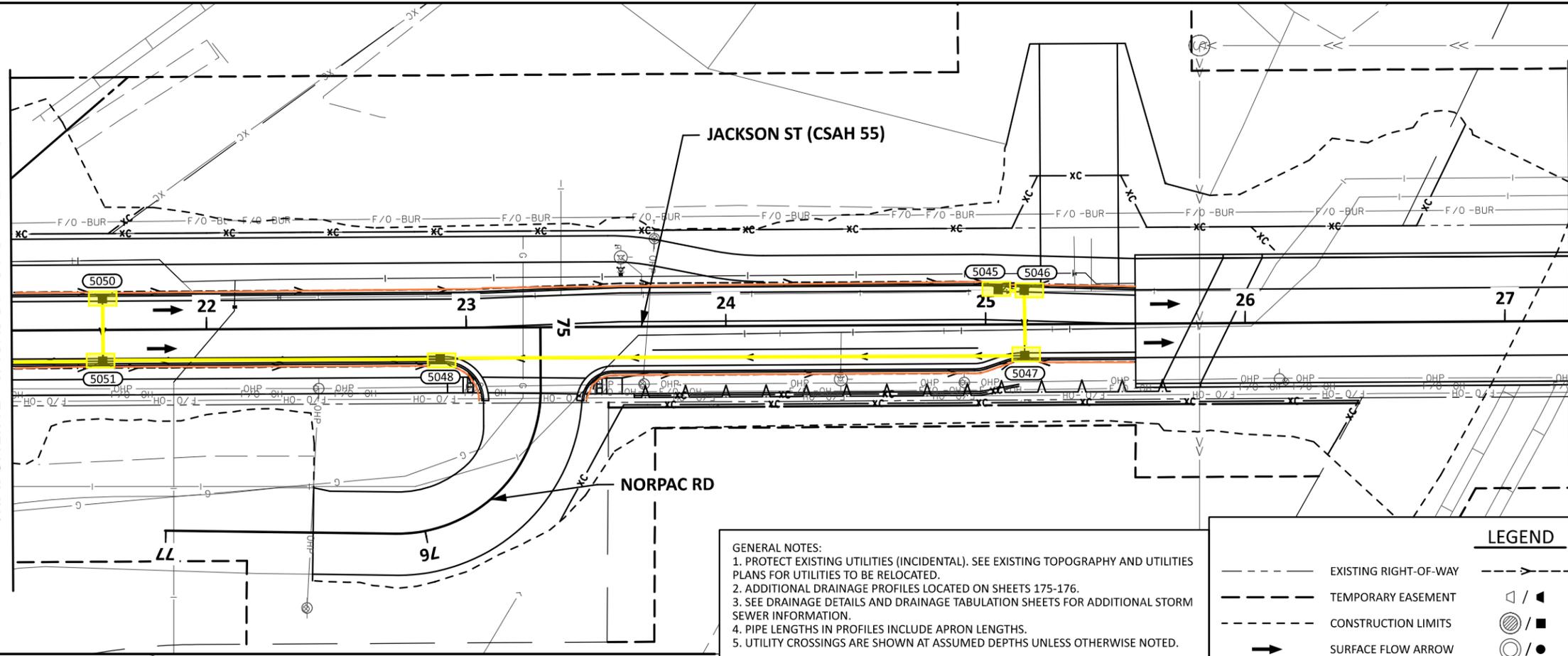
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PATH & FILENAME: Projects\in-z\RamseyCounty\18492000-ORD\04_Production\01_CAD\Hydraulics\Sheets\cd062655010_300drp_S-a.dgn



MATCHLINE - JACKSON ST STA. 21+25

MATCHLINE - JACKSON ST STA. 27+25

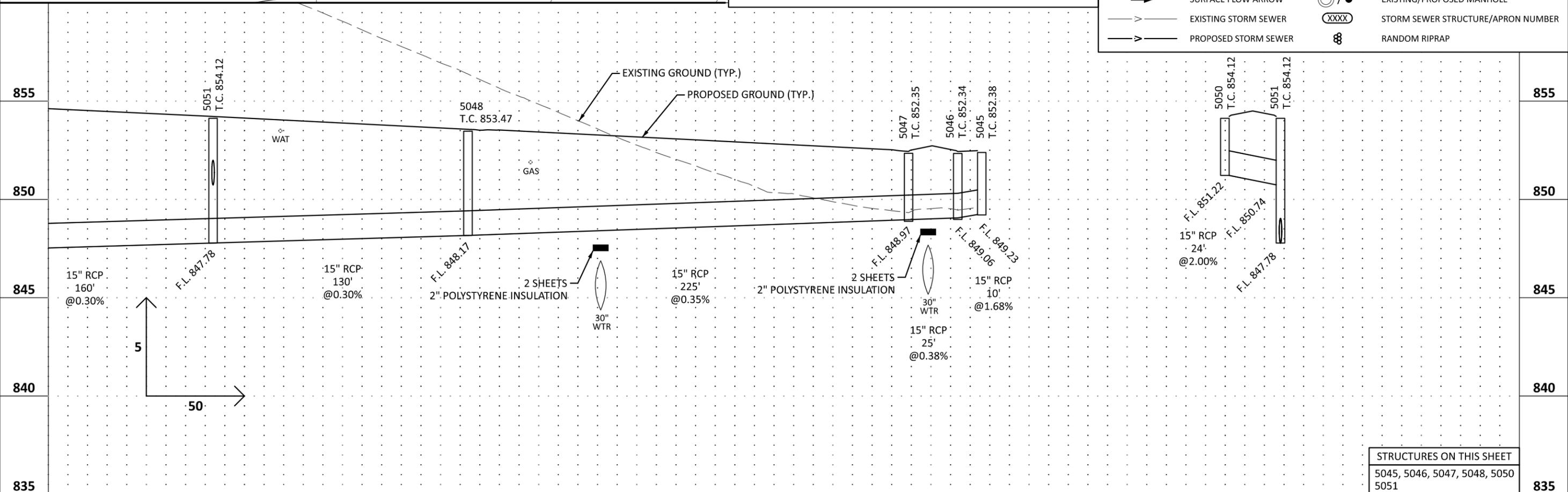


GENERAL NOTES:

1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

	EXISTING RIGHT-OF-WAY		PROPOSED DRAIN TILE
	TEMPORARY EASEMENT		EXISTING/PROPOSED APRON
	CONSTRUCTION LIMITS		EXISTING/PROPOSED CATCH BASIN
	SURFACE FLOW ARROW		EXISTING/PROPOSED MANHOLE
	EXISTING STORM SEWER		STORM SEWER STRUCTURE/APRON NUMBER
	PROPOSED STORM SEWER		RANDOM RIPRAP



STRUCTURES ON THIS SHEET	
5045, 5046, 5047, 5048, 5050	835
5051	

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____
 PRINTED NAME: _____
 LIC. NO. _____ DATE: _____



DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)

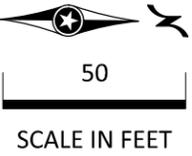
SAP 164-020-181, SAP 164-020-183
 SAP 062-655-009, SAP 062-631-037

SHEET NO. 168
 TOTAL SHEETS 271

TIME: 3:57:46 PM

PLOTTED: 14-JAN-2026

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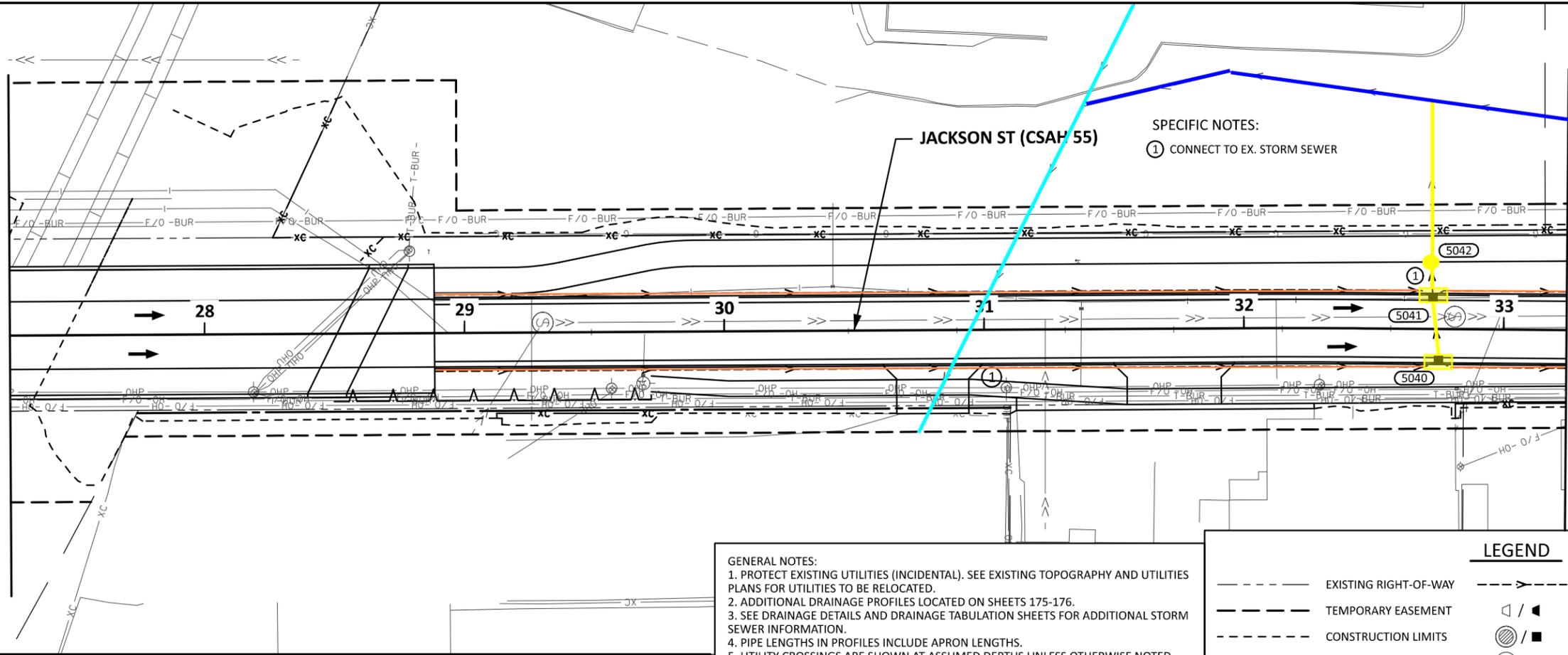


MATCHLINE - JACKSON ST STA. 27+25

MATCHLINE - JACKSON ST STA. 33+25

JACKSON ST (CSAH 55)

SPECIFIC NOTES:
① CONNECT TO EX. STORM SEWER



GENERAL NOTES:
1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

- EXISTING RIGHT-OF-WAY
- - - TEMPORARY EASEMENT
- - - CONSTRUCTION LIMITS
- SURFACE FLOW ARROW
- - - EXISTING STORM SEWER
- - - PROPOSED STORM SEWER
- - - PROPOSED DRAIN TILE
- ◁ / ▷ EXISTING/PROPOSED APRON
- ◉ / ◐ EXISTING/PROPOSED CATCH BASIN
- / ● EXISTING/PROPOSED MANHOLE
- XXXX STORM SEWER STRUCTURE/APRON NUMBER
- ⊞ RANDOM RIPRAP

840

840

835

835

830

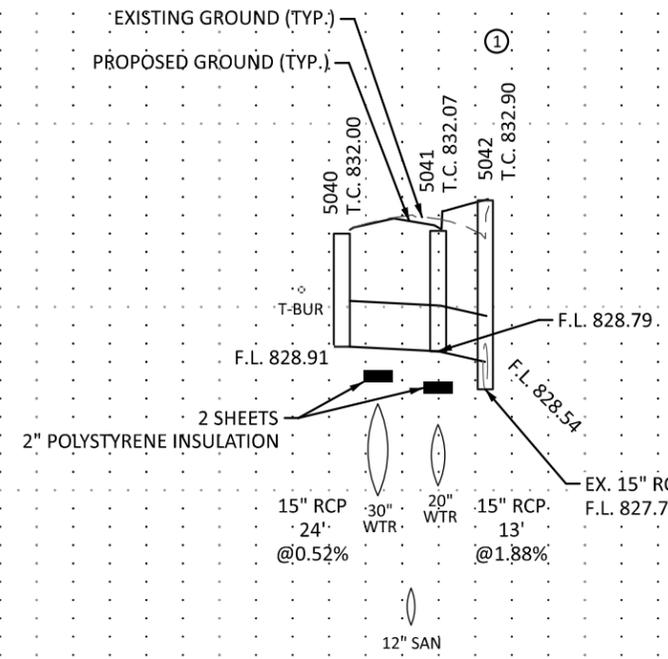
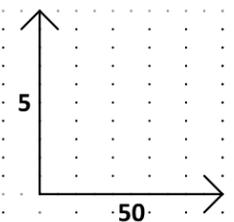
830

825

825

820

820



STRUCTURES ON THIS SHEET	
5040, 5041, 5042	820

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____
 PRINTED NAME: _____
 LIC. NO. _____ DATE: _____



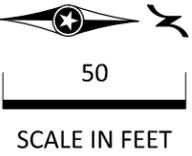
DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)
 SHEET NO. 169
 SAP 164-020-181, SAP 164-020-183
 SAP 062-655-009, SAP 062-631-037
 TOTAL SHEETS 271

TIME: 3:57:47 PM

PLOTTED: 14-JAN-2026

PLOT NAME: cd062655010_300drp_S-a
PATH & FILENAME: Projects\in-z\RamseyCounty\18492000-ORD\04_Production\01_CAD\Hydraulics\Sheets\cd062655010_300drp_S-a.dgn



MATCHLINE - JACKSON ST STA. 33+25

MATCHLINE - JACKSON ST STA. 39+25

SPECIFIC NOTES:

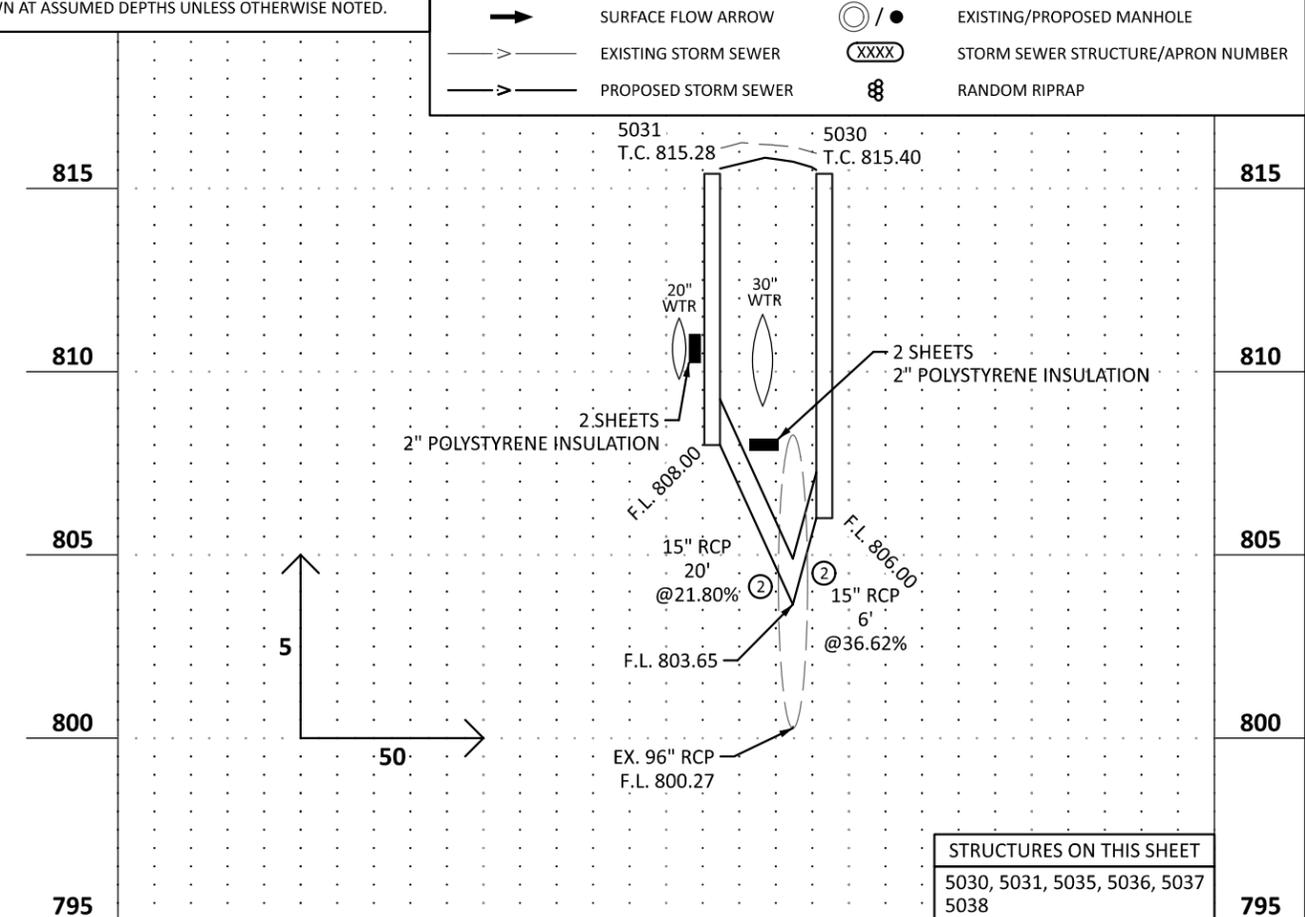
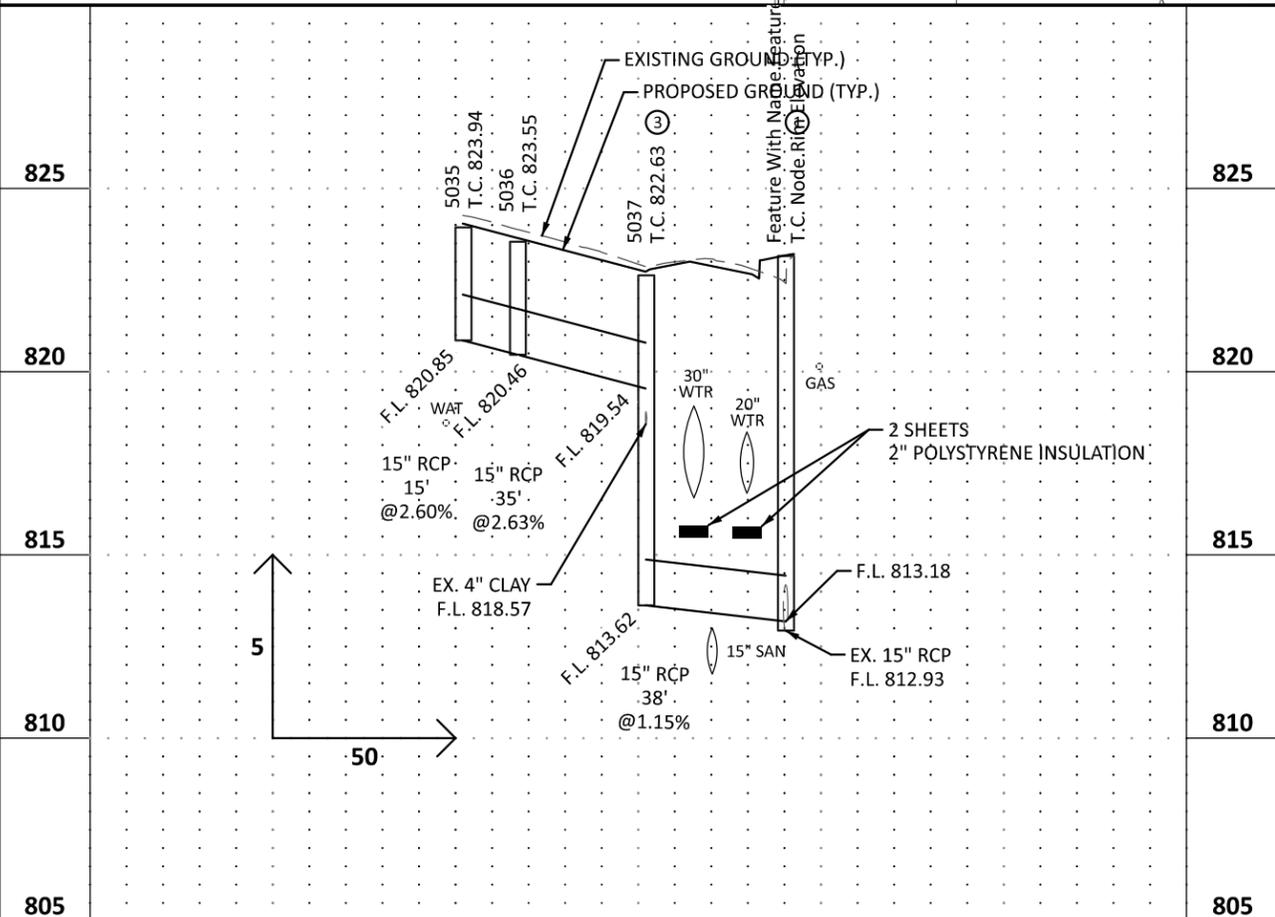
- ① CONNECT TO EX. STORM SEWER
- ② CONNECT INTO EX. STORM SEWER
- ③ RECONNECT EXISTING 5" CIP PRIVATE STORM PIPE TO STRUCTURE. FIELD VERIFY LOCATION AND ELEVATION. CONNECTION IS PAID FOR AS CONNECT TO EXISTING STORM SEWER (SPECIFIC NOTE 1).

GENERAL NOTES:

- 1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
- 2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
- 3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
- 4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
- 5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.

LEGEND

- EXISTING RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- SURFACE FLOW ARROW
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED DRAIN TILE
- / ▣ EXISTING/PROPOSED APRON
- / ● EXISTING/PROPOSED CATCH BASIN
- / ● EXISTING/PROPOSED MANHOLE
- XXXX STORM SEWER STRUCTURE/APRON NUMBER
- ⊞ RANDOM RIPRAP



STRUCTURES ON THIS SHEET	
5030, 5031, 5035, 5036, 5037	
5038	

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____
 PRINTED NAME: _____
 LIC. NO. _____ DATE: _____



DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)

SAP 164-020-181, SAP 164-020-183
 SAP 062-655-009, SAP 062-631-037

SHEET NO. 170
 TOTAL SHEETS 271

TIME: 3:57:48 PM

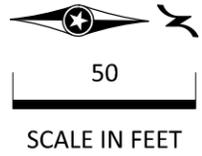
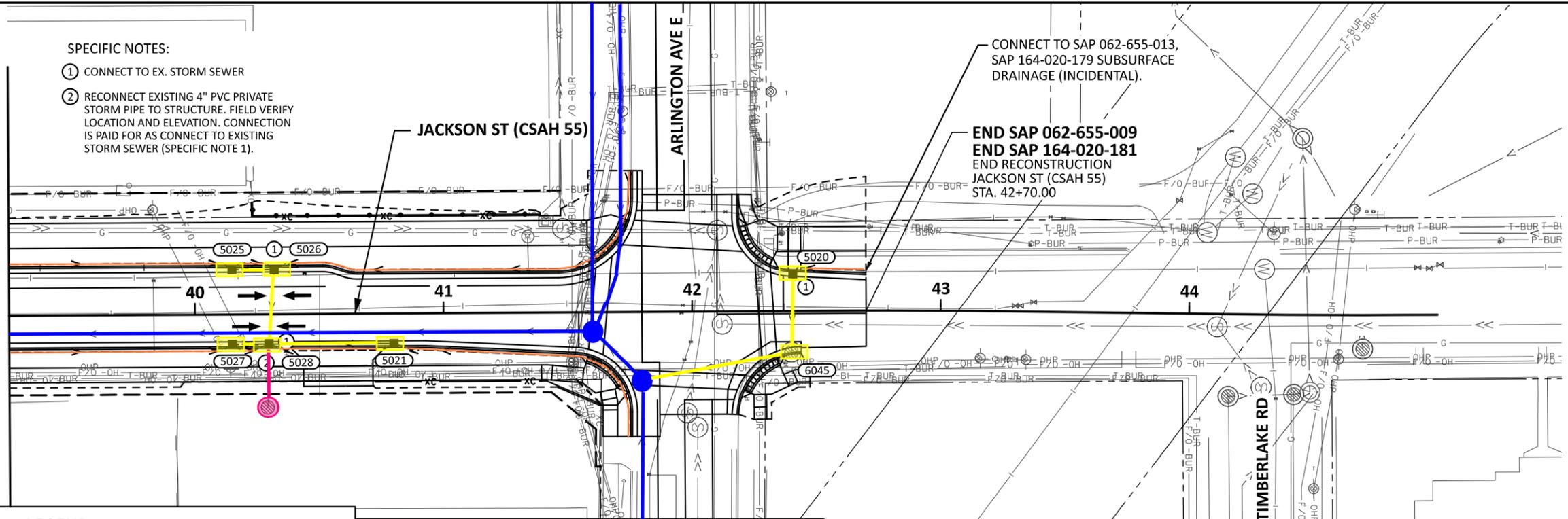
PLOTTED: 14-JAN-2026

PLOT NAME: cd062655010_300drp_S-a
PATH & FILENAME: Projects\in-z\RamseyCounty\18492000-ORD\04_Production\01_CAD\Hydraulics\Sheets\cd062655010_300drp_S-a.dgn

SPECIFIC NOTES:

- ① CONNECT TO EX. STORM SEWER
- ② RECONNECT EXISTING 4" PVC PRIVATE STORM PIPE TO STRUCTURE. FIELD VERIFY LOCATION AND ELEVATION. CONNECTION IS PAID FOR AS CONNECT TO EXISTING STORM SEWER (SPECIFIC NOTE 1).

MATCHLINE - JACKSON ST STA. 39+25



CONNECT TO SAP 062-655-013, SAP 164-020-179 SUBSURFACE DRAINAGE (INCIDENTAL).

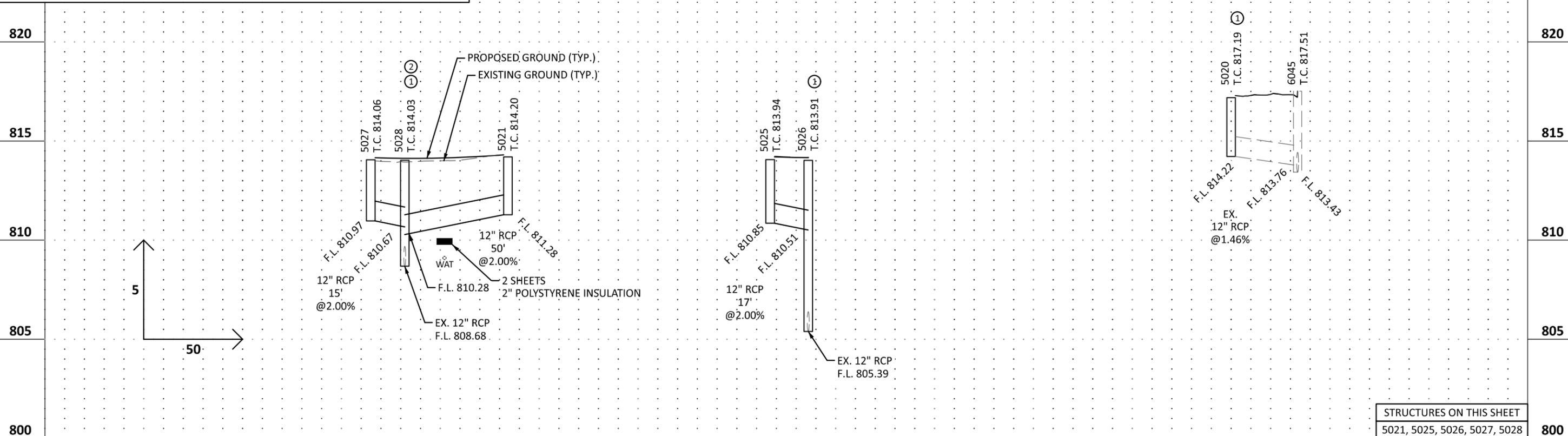
END SAP 062-655-009
END SAP 164-020-181
END RECONSTRUCTION
JACKSON ST (CSAH 55)
STA. 42+70.00

LEGEND

- EXISTING RIGHT-OF-WAY
- - - TEMPORARY EASEMENT
- - - CONSTRUCTION LIMITS
- SURFACE FLOW ARROW
- - - EXISTING STORM SEWER
- - - PROPOSED STORM SEWER
- - - PROPOSED DRAIN TILE
- ◁ / ▷ EXISTING/PROPOSED APRON
- ◉ / ◐ EXISTING/PROPOSED CATCH BASIN
- / ● EXISTING/PROPOSED MANHOLE
- XXXX STORM SEWER STRUCTURE/APRON NUMBER
- ⊗ RANDOM RIPRAP

GENERAL NOTES:

- 1. PROTECT EXISTING UTILITIES (INCIDENTAL). SEE EXISTING TOPOGRAPHY AND UTILITIES PLANS FOR UTILITIES TO BE RELOCATED.
- 2. ADDITIONAL DRAINAGE PROFILES LOCATED ON SHEETS 175-176.
- 3. SEE DRAINAGE DETAILS AND DRAINAGE TABULATION SHEETS FOR ADDITIONAL STORM SEWER INFORMATION.
- 4. PIPE LENGTHS IN PROFILES INCLUDE APRON LENGTHS.
- 5. UTILITY CROSSINGS ARE SHOWN AT ASSUMED DEPTHS UNLESS OTHERWISE NOTED.



STRUCTURES ON THIS SHEET		800
5021, 5025, 5026, 5027, 5028		

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: EMC
 DRW: EMC
 CHK: CJF

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: _____
 PRINTED NAME: _____
 LIC. NO. _____ DATE: _____



DRAINAGE PLAN AND PROFILE

JACKSON ST (CSAH 55)	SHEET NO. 171
SAP 164-020-181, SAP 164-020-183 SAP 062-655-009, SAP 062-631-037	TOTAL SHEETS 271