

**RAMSEY COUNTY
COOPERATIVE AND MAINTENANCE AGREEMENT
WITH THE CITY OF SAINT PAUL FOR
Reconstruction of Rice Street (County State Aid Highway 51)
between Pennsylvania Avenue and Wheelock Parkway
S.P 062-649-055; S.A.P 164-020-171;**

Total Project Cost: \$39,059,066
City of St Paul Cost: \$ 6,491,792.32

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 Rice Street between Pennsylvania Avenue and Wheelock Parkway (“Project”).

RECITALS

1. The Project is identified in County’s 2023 – 2027 Transportation Improvement Program.
2. Rice Street, in the area affected by reconstruction, is designated County State Aid Highway (CSAH) 49.
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 received Federal funding from Mn/DOT.
5. The Project has been designated as State Aid Project S.P. 062-649-055 and S.A.P. 164-020-171.
6. The Project road segment is located within the City.
7. The joint powers agreement between the County and the City, County Resolution 93-643 and City Council Fil 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, 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 PW2023-14 dated September 18, 2023 (the "Right of Way Cooperative Agreement"). The Right of Way Cooperative Agreement sets forth the parties' responsibilities for the preparation of a 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, 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 Federal funding, 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 2023 – 2027 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 located at the following addresses: 895, 995, 1011, 1025, and 1500 Rice Street.

5.6.3 The City previously conveyed the property located at 1199 Rice Street to the County. The County will pay the City half of the appraised value of 1199 Rice Street in consideration of such conveyance. The full appraised value is \$240,000; therefore, the County will pay the City the sum of \$120,000. Such amount shall be credited against the final amounts due from the City pursuant to Section 6.2 of this Agreement

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 or in April 2025, whichever is later.

6.2. The County will invoice City for construction costs incurred on a monthly basis, or as determined by the payment schedule for the contractor, up to one quarter of the total amount of City participation in each of the calendar years 2025, 2026, and 2027, with the remainder of the balance to be invoiced in calendar year 2028.

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

7.10.1 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 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.

7.10.2 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.

8. [INTENTIONALLY DELETED.]

9. 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.

10. This Agreement shall remain in full force and effect until terminated by mutual agreement of the parties.

11. Counterparts – The parties may sign this Agreement in counterparts, each of which constitutes an original, but all of which together constitute one instrument

12. 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.

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

Print Name: _____
Title: County Manager

Date: _____

Approval recommended:

Brian Isaacson, Director
Public Works Department

Approved as to form:

Assistant County Attorney

EXHIBIT A

Engineer's Estimate

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING										NON-PARTICIPATING							
							RAMSEY CO. SP 062-649-051					SAINT PAUL SP 164-020-171		RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT				
							ROADWAY		BRIDGE		STORM SEWER													
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
2011.601	VIBRATION MONITORING		LUMP SUM	\$60,000.00	1	\$60,000.00	1	\$60,000.00																
2013.602	TCLP TEST		EACH	\$850.00	1	\$850.00			1	\$850.00														
2021.501	MOBILIZATION		LUMP SUM	\$2,000,000.00	1	\$2,000,000.00	0.58	\$1,160,000.00	0.10	\$200,000.00	0.07	\$140,000.00	0.13	\$260,000.00			0.05	\$100,000.00	0.03	\$60,000.00	0.04	\$80,000.00		
2031.502	FIELD OFFICE		EACH	\$70,000.00	1	\$70,000.00	0.58	\$40,600.00	0.10	\$7,000.00	0.07	\$4,900.00	0.13	\$9,100.00			0.05	\$3,500.00	0.03	\$2,100.00	0.04	\$1,800.00		
2041.61	TRAINEES		HOURL	\$1.00	3500	\$3,500.00	3500	\$3,500.00																
2101.502	CLEARING		EACH	\$400.00	116	\$46,400.00	116	\$46,400.00																
2101.502	GRUBBING		EACH	\$350.00	116	\$40,600.00	116	\$40,600.00																
2102.503	PAVEMENT MARKING REMOVAL		LIN FT	\$1.75	7545	\$13,203.75	7545	\$13,203.75																
2102.518	PAVEMENT MARKING REMOVAL		SQ FT	\$5.50	790	\$4,345.00	790	\$4,345.00																
2103.502	DISCONNECT WATER SERVICE PIPE (INACTIVE)		EACH	\$1,000.00	99	\$99,000.00											99	\$99,000.00						
2104.502	REMOVE LIGHTING UNIT		EACH	\$850.00	43	\$36,550.00	43	\$36,550.00																
2104.502	REMOVE GATE VALVE & BOX		EACH	\$150.00	85	\$12,750.00	85	\$12,750.00																
2104.502	REMOVE CURB STOP & BOX		EACH	\$100.00	17	\$1,700.00	17	\$1,700.00																
2104.502	REMOVE HYDRANT		EACH	\$400.00	28	\$11,200.00	28	\$11,200.00																
2104.502	REMOVE SANITARY SEWER MANHOLE		EACH	\$750.00	46	\$34,500.00	5	\$1,750.00											40	\$30,000.00	1	\$750.00		
2104.502	REMOVE SIGN		EACH	\$50.00	498	\$20,400.00	498	\$20,400.00																
2104.502	REMOVE LIGHT FOUNDATION		EACH	\$800.00	115	\$92,000.00	115	\$92,000.00																
2104.502	REMOVE SERVICE CABINET		EACH	\$550.00	5	\$2,750.00	5	\$2,750.00																
2104.502	SALVAGE CASTING		EACH	\$250.00	1	\$250.00	1	\$250.00																
2104.502	SALVAGE LIGHTING UNIT		EACH	\$600.00	82	\$49,200.00							82	\$49,200.00										
2104.502	SALVAGE SIGN PANEL		EACH	\$60.00	35	\$2,100.00	35	\$2,100.00																
2104.502	REMOVE CONCRETE STEPS		EACH	\$500.00	45	\$22,500.00	45	\$22,500.00																
2104.502	REMOVE PLANTER		EACH	\$500.00	7	\$3,500.00	7	\$3,500.00																
2104.502	REMOVE DRAINAGE STRUCTURE		EACH	\$750.00	133	\$99,750.00	132	\$99,000.00											1	\$750.00				
2104.502	SALVAGE CITY TRASH BIN		EACH	\$250.00	9	\$2,250.00	9	\$2,250.00																
2104.502	SALVAGE GATE		EACH	\$800.00	1	\$800.00	1	\$800.00																
2104.502	REMOVE SIGNAL SYSTEM A		EACH	\$12,500.00	1	\$12,500.00	1	\$12,500.00																
2104.502	REMOVE SIGNAL SYSTEM B		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.502	REMOVE SIGNAL SYSTEM C		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.502	REMOVE SIGNAL SYSTEM D		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.502	REMOVE SIGNAL SYSTEM E		EACH	\$12,500.00	1	\$12,500.00	1	\$12,500.00																
2104.502	REMOVE SIGNAL SYSTEM F		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.502	REMOVE SIGNAL SYSTEM G		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.502	REMOVE SIGNAL SYSTEM H		EACH	\$12,500.00	1	\$12,500.00	0.5	\$6,250.00					0.5	\$6,250.00										
2104.502	REMOVE SIGNAL SYSTEM I		EACH	\$10,000.00	1	\$10,000.00	0.66	\$6,600.00					0.34	\$3,400.00										
2104.502	REMOVE SIGNAL SYSTEM J		EACH	\$10,000.00	1	\$10,000.00	0.5	\$5,000.00					0.5	\$5,000.00										
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	\$6.00	1831	\$10,986.00	1831	\$10,986.00																
2104.503	SAWING BIT PAVEMENT (FULL DEPTH)		LIN FT	\$5.00																				
2104.503	REMOVE WATER MAIN		LIN FT	\$25.00	5949	\$148,725.00	370	\$9,250.00									5579	\$139,475.00						
2104.503	REMOVE SEWER PIPE (STORM)		LIN FT	\$25.00	4787	\$119,675.00	4371	\$109,275.00											456	\$10,400.00				
2104.503	REMOVE SEWER PIPE (SANITARY)		LIN FT	\$25.00	1392	\$34,800.00	324	\$8,100.00											1068	\$26,700.00				
2104.503	REMOVE CURB & GUTTER		LIN FT	\$5.00	23485	\$117,425.00	23485	\$117,425.00																
2104.503	REMOVE RETAINING WALL		LIN FT	\$40.00	137	\$5,480.00	137	\$5,480.00																
2104.503	REMOVE FENCE		LIN FT	\$5.00	635	\$3,175.00	635	\$3,175.00																
2104.503	REMOVE GUARDRAIL		LIN FT	\$7.00	832	\$5,824.00	832	\$5,824.00																
2104.503	REMOVE WATER SERVICE PIPE	(1)	LIN FT	\$15.00	528	\$7,920.00											528	\$7,920.00						
2104.503	SALVAGE FENCE		LIN FT	\$35.00	80	\$2,800.00	80	\$2,800.00																
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT		SQ YD	\$15.00	2845	\$42,675.00	2845	\$42,675.00																
2104.504	REMOVE PAVEMENT	(2)	SQ YD	\$15.00	66703	\$1,000,545.00	66703	\$1,000,545.00																
2104.504	REMOVE CONCRETE APPROACH PANEL		SQ YD	\$40.00	408	\$16,320.00	408	\$16,320.00																

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING												NON-PARTICIPATING							
							RAMSEY CO. SP 062-649-055						SAINT PAUL SP 164-020-171		RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT					
							ROADWAY		BRIDGE		STORM SEWER															
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST				
2104.518	REMOVE CONCRETE SIDEWALK		SQ FT	\$4.00	204084	\$816,336.00			204084	\$816,336.00																
2104.603	REMOVE INSULATED WATERMAIN	(P)	LIN FT	\$20.00	296	\$5,920.00			296	\$5,920.00																
2106.507	EXCAVATION - COMMON	(P) (6)	CU YD	\$35.00	58416	\$2,044,560.00			56998	\$1,994,930.00															1418	\$49,630.00
2106.507	SELECT GRANULAR EMBANKMENT (CV)	(P)	CU YD	\$35.00	40458	\$1,416,030.00			40219	\$1,407,665.00			239	\$8,365.00												
2106.507	SELECT GRANULAR EMBANK SUPER SAND (CV)	(P) (6)	CU YD	\$35.00	921	\$32,235.00																			921	\$32,235.00
2106.507	COMMON EMBANKMENT (CV)	(P)	CU YD	\$25.00	4916	\$122,900.00			4916	\$122,900.00																
2123.61	TRACTOR MOUNTED BACKHOE		HOURL	\$250.00	16	\$4,000.00			16	\$4,000.00																
2123.61	STREET SWEEPER (WITH VACUUM PICKUP)		HOURL	\$275.00	250	\$68,750.00			250	\$68,750.00																
2130.523	WATER		M GALLON	\$95.00	250	\$23,750.00			250	\$23,750.00																
2211.507	AGGREGATE BASE (CV) CLASS 6	(P) (6)	CU YD	\$50.00	15139	\$756,950.00			14482	\$724,100.00			160	\$8,000.00											497	\$24,850.00
2231.509	BITUMINOUS PATCHING MIXTURE		TON	\$130.00	189	\$24,570.00			189	\$24,570.00																
2301.502	DOWEL BAR	(6)	EACH	\$15.00	528	\$7,920.00																			528	\$7,920.00
2301.503	INTERGRANT CURB DESIGN D	(6)	LIN FT	\$25.00	175	\$4,375.00			175	\$4,375.00																
2301.504	CONCRETE PAVEMENT 8.0"		SQ YD	\$130.00	634	\$82,420.00			634	\$82,420.00																
2301.504	CONCRETE PAVEMENT 10.0"	(6) (6)	SQ YD	\$175.00	940	\$164,500.00																			940	\$164,500.00
2301.607	LEAN MIX BACKFILL - ABANDON SEWER IN PLACE		CU YD	\$100.00	25	\$2,500.00			25	\$2,500.00																
2360.509	TYPE SP 9.5 WEARING COURSE MIX (2-C)		TON	\$136.00	1162	\$155,000.00			581	\$75,190.00			581	\$75,190.00												
2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (4-B)		TON	\$115.00	8169	\$940,040.00			8169	\$940,040.00																
2360.509	TYPE SP 12.5 WEARING COURSE MIX (4-F)		TON	\$115.00	10705	\$1,231,075.00			10705	\$1,231,075.00																
2401.503	TYPE MOD P-1 BARRIER CONC. (ISS2)	(P)	LIN FT	\$165.00	711	\$117,315.00			711	\$117,315.00																
2401.508	REINFORCEMENT BARS (EPOXY COATED)	(P)	POUND	\$2.00	145370	\$290,740.00			145370	\$290,740.00																
2401.518	SIDEWALK CONCRETE (ISS3)	(P)	SQ FT	\$21.00	8508	\$178,110.00			8508	\$181,132.00																
2401.518	BRIDGE SLAB CONCRETE (HYPRC-5)	(P)	SQ FT	\$18.00	19456	\$350,208.00			19456	\$350,208.00																
2401.618	SIDEWALK CONCRETE LIGHTWEIGHT	(P)	SQ FT	\$25.00	742	\$18,550.00			742	\$18,550.00																
2401.618	SPECIAL SURFACE FINISH (INPLACE)	(P)	SQ FT	\$5.00	1761	\$8,805.00			1761	\$8,805.00																
2404.618	CONCRETE WEARING COURSE (BU17A) 2.0"	(P)	SQ FT	\$10.00	20983	\$209,830.00			20983	\$209,830.00																
2406.504	BRIDGE APPROACH PANELS		SQ YD	\$100.00	367	\$113,770.00			367	\$113,770.00																
2411.607	CONCRETE STEPS		CU YD	\$2,000.00	13	\$32,500.00			13	\$32,500.00																
2411.618	MODULAR BLOCK RETAINING WALL		SQ FT	\$40.00	1170	\$46,800.00			1170	\$46,800.00																
2433.502	REMOVE CONCRETE END POST	(P)	EACH	\$1,500.00	2	\$3,000.00			2	\$3,000.00																
2433.502	ANCH TYPE REINF BARS (TYPE H)	(P)	EACH	\$50.00	120	\$6,000.00			120	\$6,000.00																
2433.502	ANCH TYPE REINF BARS (TYPE L)	(P)	EACH	\$40.00	194	\$7,760.00			194	\$7,760.00																
2433.502	ANCH TYPE REINF BARS (TYPE N)	(P)	EACH	\$35.00	26	\$910.00			26	\$910.00																
2433.503	REMOVE CONCRETE BRIDGE BARRIER	(P)	LIN FT	\$300.00	111	\$33,300.00			111	\$33,300.00																
2433.507	REMOVE CONCRETE	(P)	CU YD	\$2,000.00	2	\$4,000.00			2	\$4,000.00																
2433.518	REMOVE CONCRETE BRIDGE DECK	(P)	SQ FT	\$55.00	19358	\$677,530.00			19358	\$677,530.00																
2433.518	REMOVE CONCRETE WEARING COURSE	(P)	SQ FT	\$4.00	6860	\$27,440.00			6860	\$27,440.00																
2433.601	TEMPORARY UTILITY SUPPORT	(P)	LUMP SUM	\$300,000.00	1	\$300,000.00			1	\$300,000.00																
2433.602	RECONSTRUCT BEARING ASSEMBLY		EACH	\$5,000.00	2	\$10,000.00			2	\$10,000.00																
2433.602	REMOVE RAILROAD SIGNAL PLATFORM	(P)	EACH	\$7,500.00	2	\$15,000.00			2	\$15,000.00																
2433.603	REPAIR PAVING BRACKET		LIN FT	\$100.00	130	\$13,000.00			130	\$13,000.00																
2433.603	RECONSTRUCT DIP JOINT TYPE DAVIDSON	(P)	LIN FT	\$800.00	125	\$100,000.00			125	\$100,000.00																
2433.618	REMOVE AND PATCH SLAB TYPE A		SQ FT	\$35.00	343	\$12,005.00			343	\$12,005.00																
2433.618	REMOVE AND PATCH SLAB TYPE B		SQ FT	\$50.00	138	\$6,900.00			138	\$6,900.00																
2433.618	REMOVE AND PATCH SLAB TYPE C		SQ FT	\$75.00	69	\$5,175.00			69	\$5,175.00																

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING										NON-PARTICIPATING							
							RAMSEY CO. SP 062-649-051						SAINT PAUL SP 164-020-171		RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT			
							ROADWAY		BRIDGE		STORM SEWER		QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST												
2433.618	CONCRETE SURFACE REPAIR		SQ FT	\$250.00	40	\$10,000.00			40	\$10,000.00														
2451.607	GRANULAR BACKFILL (WATERMAIN)		CU YD	\$12.00	1050	\$13,600.00			146	\$4,672.00			101	\$3,732.00			803	\$21,696.00						
2451.607	GRANULAR PIPE BEDDING (STORM AND SANITARY SEWER)		CU YD	\$12.00	2502	\$30,064.00							1445	\$46,240.00			260	\$8,120.00	737	\$23,584.00	60	\$1,820.00		
2451.607	GRANULAR BACKFILL (STORM AND SANITARY SEWER)		CU YD	\$27.00	6108	\$167,076.00							1090	\$83,430.00			760	\$20,520.00	2168	\$58,536.00	170	\$4,590.00		
2473.503	EXPANSION JOINT DEVICES TYPE 4	(P)	LIN FT	\$250.00	253	\$63,250.00			253	\$63,250.00														
2475.503	ORNAMENTAL METAL RAILING TYPE SPECIAL PC	(P)	LIN FT	\$350.00	711	\$248,850.00			711	\$248,850.00														
2476.601	WASTE COLLECTION AND DISPOSAL		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00														
2478.603	RE-PAINT ORNAMENTAL RAILING	(P)	LIN FT	\$125.00	460	\$57,500.00			460	\$57,500.00														
2501.502	12" RC PIPE APRON		EACH	\$1,000.00	1	\$1,000.00					1	\$1,000.00												
2501.502	15" RC PIPE APRON		EACH	\$1,200.00	2	\$2,400.00					2	\$2,400.00												
2501.502	18" RC PIPE APRON		EACH	\$1,500.00	1	\$1,500.00					1	\$1,500.00												
2502.503	4" PE PIPE DRAIN		LIN FT	\$8.00	23000	\$184,000.00	23000	\$184,000.00																
2502.503	6" HMB PE PIPE DRAIN		LIN FT	\$10.00	1792	\$17,920.00	1792	\$17,920.00																
2502.602	6" PVC PIPE DRAIN CLEANOUT		EACH	\$400.00	48	\$19,200.00	48	\$19,200.00																
2503.503	8" PVC PIPE SEWER		LIN FT	\$80.00	153	\$12,240.00	153	\$12,240.00																
2503.503	8" C900 PVC PIPE SEWER		LIN FT	\$65.00	665	\$43,225.00	313	\$20,345.00													301	\$19,565.00	51	\$3,315.00
2503.503	10" C900 PVC PIPE SEWER		LIN FT	\$60.00	18	\$1,080.00	18	\$1,080.00																
2503.503	12" C900 PVC PIPE SEWER		LIN FT	\$45.00	636	\$28,620.00	374	\$16,830.00																
2503.503	15" C900 PVC PIPE SEWER		LIN FT	\$50.00	467	\$23,350.00																		
2503.503	18" C900 PVC PIPE SEWER		LIN FT	\$100.00	32	\$3,200.00																		
2503.503	18" C900 PVC PIPE SEWER		LIN FT	\$125.00	78	\$9,750.00	18	\$2,250.00																
2503.503	10" DUCTILE IRON PIPE SEWER		LIN FT	\$300.00	141	\$42,300.00					141	\$42,300.00												
2503.503	16" DUCTILE IRON PIPE SEWER CL S2		LIN FT	\$230.00	176	\$40,480.00					176	\$40,480.00												
2503.503	18" DUCTILE IRON PIPE SEWER CL S2		LIN FT	\$251.00	27	\$6,777.00					27	\$6,777.00												
2503.503	24" DUCTILE IRON PIPE SEWER CL S2		LIN FT	\$400.00	51	\$20,400.00					51	\$20,400.00												
2503.503	30" DUCTILE IRON PIPE SEWER CL S2		LIN FT	\$800.00	15	\$12,000.00																		
2503.503	12" RC PIPE SEWER DES 3006 CL V		LIN FT	\$100.00	1213	\$121,300.00					1213	\$121,300.00									15	\$12,000.00		
2503.503	15" RC PIPE SEWER DES 3006 CL V		LIN FT	\$103.00	4621	\$475,963.00					4621	\$475,963.00												
2503.503	18" RC PIPE SEWER DES 3006 CL H		LIN FT	\$113.00	1106	\$131,758.00					1106	\$131,758.00												
2503.503	21" RC PIPE SEWER DES 3006 CL H		LIN FT	\$117.00	704	\$82,368.00					704	\$82,368.00												
2503.503	24" RC PIPE SEWER DES 3006 CL H		LIN FT	\$161.00	110	\$17,710.00					110	\$17,710.00												
2503.503	30" RC PIPE SEWER DES 3006 CL H		LIN FT	\$170.00	21	\$3,570.00					21	\$3,570.00												
2503.503	36" RC PIPE SEWER DES 3006 CL H		LIN FT	\$200.00	638	\$127,600.00					278	\$55,000.00									360	\$72,000.00		
2503.602	CONNECT TO EXISTING SANITARY SEWER STRUCTURE		EACH	\$4,000.00	92	\$368,000.00															92	\$368,000.00		
2503.602	INSTALL SEWER COUPLING		EACH	\$1,000.00	6	\$6,000.00															6	\$6,000.00		
2503.602	CONNECT TO EXISTING STORM SEWER		EACH	\$3,000.00	38	\$114,000.00																		
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE		EACH	\$3,000.00	20	\$60,000.00															2	\$6,000.00		
2503.602	INSPECTION HOLE		EACH	\$1,000.00	80	\$80,000.00			80	\$80,000.00														
2503.602	SANITARY SEWER SERVICE REPAIR EXCAVATION (PVC)		EACH	\$1,700.00	17	\$28,750.00																		
2503.602	SANITARY SEWER SERVICE REPAIR EXCAVATION (DIP)		EACH	\$2,000.00	59	\$118,000.00					27	\$54,000.00			25	\$50,000.00					17	\$28,750.00	7	\$14,000.00
2503.603	TELEWISE REPAIRED SEWER SERVICES (LATERAL LAUNCH FROM SEWER MAIN)		LIN FT	\$5.00	7725	\$38,625.00					832	\$4,160.00			1016	\$5,080.00					5661	\$28,305.00	216	\$1,080.00
2503.603	CLEAN AND TELEWISE SANITARY SEWER		LIN FT	\$2.50	11100	\$27,750.00															11100	\$27,750.00		
2503.603	CLEAN AND TELEWISE STORM SEWER		LIN FT	\$2.50	13680	\$34,200.00	13680	\$34,200.00																
2503.603	SANITARY SEWER SERVICE REPAIR (PVC)		LIN FT	\$80.00	657	\$52,560.00																		
2503.603	SANITARY SEWER SERVICE RECONNECTION (DIP)		LIN FT	\$100.00	1722	\$172,200.00					751	\$75,100.00			776	\$77,600.00					657	\$52,560.00	195	\$19,500.00
2504.601	WATERMAIN HANGER SYSTEM		LUMP SUM	\$55,000.00	1	\$55,000.00			1	\$55,000.00														
2504.602	ADJUST VALVE BOX		EACH	\$600.00	65	\$39,000.00			65	\$39,000.00														
2504.602	ADJUST CURB BOX		EACH	\$300.00	110	\$33,000.00			110	\$33,000.00														
2504.602	HYDRANT		EACH	\$7,500.00	9	\$67,500.00															9	\$67,500.00		

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING						SAINT PAUL SP 164-020-171		NON-PARTICIPATING									
							RAMSEY CO. SP 062-649-055								RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT			
							ROADWAY		BRIDGE		STORM SEWER		QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST												
2504.602	18" BUTTERFLY VALVE & BOX		EACH	\$9,500.00	1	\$9,500.00											1	\$9,500.00						
2504.602	8" GATE VALVE & BOX		EACH	\$3,000.00	14	\$42,000.00	7	\$21,000.00									7	\$21,000.00						
2504.602	8" GATE VALVE & BOX		EACH	\$4,500.00	12	\$54,000.00											12	\$54,000.00						
2504.602	12" GATE VALVE & BOX		EACH	\$6,750.00	6	\$40,500.00	4	\$27,000.00									2	\$13,500.00						
2504.602	8" GATE VALVE		EACH	\$500.00	7	\$3,500.00	7	\$3,500.00																
2504.602	WATER UTILITY HOLE		EACH	\$5,000.00	75	\$390,500.00											75	\$390,500.00						
2504.602	1" TEMPORARY AIR VENT		EACH	\$2,000.00	16	\$32,000.00	2	\$4,000.00									14	\$28,000.00						
2504.602	EXCAVATION FOR WATERMAIN OFFSETS		EACH	\$5,500.00	4	\$22,000.00	4	\$22,000.00																
2504.602	1" CORPORATION STOP		EACH	\$750.00	45	\$33,750.00											45	\$33,750.00						
2504.602	1.5" CORPORATION STOP		EACH		1												1							
2504.602	1" CURB STOP & BOX		EACH	\$1,200.00	3	\$3,600.00											3	\$3,600.00						
2504.602	1.5" CURB STOP & BOX		EACH		1												1							
2504.602	SACRIFICIAL ANODE		EACH	\$1,750.00	46	\$80,500.00	4	\$7,000.00									42	\$73,500.00						
2503.602	SACRIFICIAL ANODE RETROFIT		EACH		34												34							
2504.602	12" EXPANSION JOINT		EACH	\$8,500.00	1	\$8,500.00	1	\$8,500.00																
2504.603	12" INSULATED WATERMAIN	(P)	LIN FT	\$325.00	296	\$96,200.00	296	\$96,200.00																
2504.603	WATER SERVICE EXCAVATION		LIN FT	\$50.00	301	\$15,050.00											301	\$15,050.00						
2504.603	WATERMAIN TRENCH		LIN FT	\$40.00	2590	\$103,600.00											2590	\$103,600.00						
2504.603	1" TYPE K COPPER PIPE		LIN FT	\$100.00	274	\$27,400.00											274	\$27,400.00						
2504.603	1.5" TYPE K COPPER PIPE		LIN FT		10												10							
2504.603	8" WATERMAIN DUCTILE IRON CL 52		LIN FT	\$85.00	442	\$37,570.00	60	\$5,100.00									382	\$32,470.00						
2504.603	8" WATERMAIN DUCTILE IRON CL 52		LIN FT	\$90.00	1572	\$141,480.00											1572	\$141,480.00						
2504.603	12" WATERMAIN DUCTILE IRON CL 52		LIN FT	\$175.00	365	\$63,875.00	237	\$41,475.00									128	\$22,400.00						
2504.603	18" WATERMAIN DUCTILE IRON CL 52		LIN FT	\$150.00	324	\$48,600.00											324	\$48,600.00						
2504.604	TWO-INCH INSULATION		SQ YD	\$40.00	100	\$4,000.00											100	\$4,000.00						
2504.608	DUCTILE IRON FITTINGS		POUND	\$25.00	9638	\$240,950.00	1801	\$45,025.00									7837	\$195,925.00						
2506.502	CASTING ASSEMBLY		EACH	\$1,200.00	231	\$277,200.00	2	\$2,400.00																
2506.502	INSTALL CASTING		EACH	\$950.00	1	\$950.00	1	\$950.00																
2506.502	ADJUST FRAME & RING CASTING		EACH	\$1,300.00	14	\$18,200.00											14	\$18,200.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DESIGN G		LIN FT	\$450.00	360	\$162,000.00											360	\$162,000.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 48-4020		LIN FT	\$600.00	490	\$294,000.00											490	\$294,000.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 60-4020		LIN FT	\$1,400.00	112	\$156,800.00											98	\$137,200.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 64-4020		LIN FT	\$1,500.00	18	\$27,000.00											18	\$27,000.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 72-4020		LIN FT	\$1,100.00	16	\$17,600.00											16	\$24,800.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 72-4020		LIN FT	\$1,100.00	16	\$17,600.00											16	\$24,800.00						
2506.503	CONCRETE DRAINAGE STRUCTURE DES 84-4020		LIN FT	\$1,850.00	7	\$12,950.00																		
2506.602	CONCRETE DRAINAGE STRUCTURE DESIGN SPEC 1		EACH	\$15,000.00	1	\$15,000.00											1	\$15,000.00						
2506.601	INFILTRATION/FILTRATION SYSTEM		LUMP SUM	\$460,260.00	1	\$460,260.00	1	\$460,260.00																
2506.602	SAH. BAFFLE PRETREATMENT DEVICE		EACH	\$1,875.00	3	\$5,625.00	3	\$5,625.00																
2506.602	BRUNK 10-18 GARBAGE TRAP		EACH	\$2,000.00	3	\$6,000.00	3	\$6,000.00																
2506.602	CASTING ASSEMBLY SPECIAL (CURB STOP & BOX)		EACH	\$500.00	126	\$63,000.00	126	\$63,000.00																
2506.602	SANITARY SEWER CASTING ASSEMBLY		EACH	\$1,500.00	75	\$112,500.00	75	\$112,500.00																
2506.602	EXTEND OUTSIDE DROP		EACH	\$2,000.00	2	\$4,000.00																		
2506.602	EXTEND OUTSIDE DROP		EACH	\$2,000.00	2	\$4,000.00																		
2506.602	CONSTRUCT SANITARY MANHOLE DES TYPE 2 WITH OUTSIDE DROPE OVER EX PIPE (48")		EACH	\$4,500.00	1	\$4,500.00																		
2506.602	CONSTRUCT SANITARY MANHOLE DES TYPE 2 WITH OUTSIDE DROPE OVER EX PIPE (48")		EACH	\$5,500.00	1	\$5,500.00																		
2506.602	CONSTRUCT SANITARY SEWER MANHOLE DESIGN TYPE 2 (48")		EACH	\$4,500.00	12	\$54,000.00	2	\$9,000.00																
2506.602	CONSTRUCT SANITARY SEWER MANHOLE DESIGN TYPE 2 WITH OUTSIDE DROP (48")		EACH	\$5,000.00	2	\$10,000.00																		
2506.602	CONSTRUCT SANITARY SEWER MANHOLE DESIGN TYPE 2 (48")		EACH	\$5,500.00	15	\$82,500.00																		
2506.602	CONSTRUCT SANITARY SEWER MANHOLE DESIGN TYPE 2 (72")		EACH	\$6,500.00	11	\$71,500.00																		
2506.602	CONSTRUCT SANITARY SEWER MANHOLE DESIGN TYPE 2 (96")		EACH	\$8,000.00	10	\$80,000.00																		
2511.507	RANDOM RRPAP CLASS II		CU YD	\$100.00	16	\$1,600.00																		
2521.518	4" CONCRETE WALK		SQ FT	\$10.00	95514	\$955,140.00	89542	\$955,420.00																
2521.518	8" CONCRETE WALK	(B)	SQ FT	\$15.00	35094	\$526,410.00	16636	\$249,540.00																
2521.518	8" COLORED CONCRETE WALK	(B)	SQ FT	\$20.00	3715	\$74,300.00																		

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING										NON-PARTICIPATING									
							RAMSEY CO. SP 062-649-055						SAINT PAUL SP 164-020-171				RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT			
							ROADWAY		BRIDGE		STORM SEWER		QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST				
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST														
2522.602	DRILL & GROUT REIN BAR (EPOXY COATED)	(6)	EACH	\$20.00	2992	\$59,840.00	2057	\$41,140.00					495	\$9,900.00												
2522.618	CONCRETE CURB RAMP WALK		SQ FT	\$18.00	38521	\$693,378.00	31870	\$573,660.00					6651	\$119,718.00										440	\$8,800.00	
2531.503	CONCRETE CURB & GUTTER DESIGN B612		LIN FT	\$45.00	4260	\$191,700.00	4260	\$191,700.00																		
2531.503	CONCRETE CURB & GUTTER DESIGN B624		LIN FT	\$95.00	18004	\$900,200.00	18004	\$900,200.00																		
2531.503	CONCRETE CURB & GUTTER DESIGN B624 (MOD)	(3) (6)	LIN FT	\$75.00	960	\$72,000.00																	960	\$72,000.00		
2531.503	CONCRETE CURB DESIGN B6		LIN FT	\$60.00	627	\$37,620.00	157	\$9,420.00					470	\$28,200.00												
2531.504	8" CONCRETE DRIVEWAY PAVEMENT		SQ YD	\$75.00	4727	\$354,525.00	4727	\$354,525.00																		
2531.504	8" CONCRETE DRIVEWAY PAVEMENT		SQ YD	\$100.00	4999	\$499,900.00	4999	\$499,900.00																		
2531.603	CONCRETE CURB & GUTTER		LIN FT	\$55.00	5226	\$287,380.00	4099	\$224,950.00					1146	\$63,030.00												
2531.603	CONCRETE CURB DESIGN V		LIN FT	\$80.00	364	\$29,120.00	329	\$26,320.00					35	\$2,800.00												
2531.604	8" CONCRETE VALLEY GUTTER		SQ YD	\$150.00	342	\$51,300.00	238	\$35,700.00					104	\$15,600.00												
2531.618	TRUNCATED DOMES	(6)	SQ FT	\$75.00	4872	\$365,400.00	2966	\$222,450.00					706	\$52,950.00									1200	\$90,000.00		
2540.602	BIYECLE RACK		EACH	\$1,000.00	34	\$34,000.00	34	\$34,000.00																		
2540.602	WASTE RECEPTACLE		EACH	\$3,000.00	20	\$70,000.00	20	\$70,000.00																		
2540.602	INSTALL WASTE RECEPTACLE		EACH	\$250.00	9	\$2,250.00	9	\$2,250.00																		
2540.602	METAL BENCH		EACH	\$3,500.00	20	\$70,000.00	20	\$70,000.00																		
2540.607	STATION PLATFORM FOUNDATIONS	(6)	CU YD	\$4,500.00	42	\$189,000.00																	42	\$189,000.00		
2545.502	LIGHTING UNIT TYPE L14		EACH	\$12,000.00	85	\$1,020,000.00							81	\$972,000.00									4	\$48,000.00		
2545.502	LIGHTING UNIT TYPE 2L14	(3)	EACH	\$15,000.00	13	\$195,000.00							9	\$135,000.00									4	\$60,000.00		
2545.502	LIGHTING UNIT TYPE L10		EACH	\$10,000.00	10	\$100,000.00							10	\$100,000.00												
2545.502	LIGHT FOUNDATION DESIGN E MODIFIED		EACH	\$1,500.00	172	\$258,000.00							164	\$246,000.00									8	\$12,000.00		
2545.502	INSTALL LIGHTING UNIT		EACH	\$1,000.00	82	\$121,200.00							82	\$121,200.00												
2545.501	CONDUIT SYSTEM		LUMP SUM	\$5,000.00	1	\$5,000.00							1	\$5,000.00												
2545.501	CONDUIT SYSTEM TYPE 1		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.501	CONDUIT SYSTEM TYPE 2		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.501	CONDUIT SYSTEM TYPE 3		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.501	CONDUIT SYSTEM TYPE 4		LUMP SUM	\$125,000.00	1	\$125,000.00			1	\$125,000.00																
2545.501	CONDUIT SYSTEM TYPE 5		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.501	CONDUIT SYSTEM TYPE 6		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.501	CONDUIT SYSTEM TYPE 7		LUMP SUM	\$5,000.00	1	\$5,000.00			1	\$5,000.00																
2545.502	SERVICE CABINET		EACH	\$5,900.00	1	\$5,900.00							1	\$5,900.00												
2545.502	EQUIPMENT PAD	(6)	EACH	\$2,000.00	6	\$12,000.00							1	\$2,000.00									5	\$10,000.00		
2545.502	JUNCTION BOX	(6)	EACH	\$650.00	4	\$2,600.00																	4	\$2,600.00		
2545.502	HANDHOLE	(6)	EACH	\$2,100.00	13	\$27,300.00																	13	\$27,300.00		
2545.503	12" NON-METALLIC CONDUIT		LIN FT	\$10.00	24300	\$243,000.00							24300	\$243,000.00												
2545.503	UNDERGROUND WIRE 1/2 2 AWG		LIN FT	\$1.50	2000	\$7,000.00							2000	\$7,000.00												
2545.503	UNDERGROUND WIRE 1/2 6 AWG		LIN FT	\$2.50	69000	\$172,500.00							69000	\$172,500.00												
2545.503	UNDERGROUND WIRE 1/2 8 AWG		LIN FT	\$2.00	22000	\$44,000.00							22000	\$44,000.00												
2545.503	UNDERGROUND WIRE 1/2 10 AWG		LIN FT	\$1.50	1400	\$2,100.00							1400	\$2,100.00												
2545.503	UNDERGROUND WIRE 1 COND 12 AWG		LIN FT	\$1.50	2300	\$3,450.00							2300	\$3,450.00												
2545.503	PULL STRING		LIN FT	\$2.00	2300	\$4,600.00							2300	\$4,600.00												
2545.503	1/2" NON-METALLIC CONDUIT	(6)	LIN FT	\$8.00	80	\$640.00																	80	\$640.00		
2545.503	1" NON-METALLIC CONDUIT	(6)	LIN FT	\$9.00	2825	\$25,425.00																	2825	\$25,425.00		
2545.503	1" NON-METALLIC CONDUIT	(6)	LIN FT	\$12.00	1845	\$22,140.00																	1845	\$22,140.00		
2550.502	HANDHOLE TYPE ST PAUL		EACH	\$2,200.00	52	\$117,000.00							52	\$117,000.00												
2550.602	COMMUNICATIONS HANDHOLE (STANDARDS) COP	(6)	EACH	\$2,800.00	25	\$98,000.00																	25	\$98,000.00		
2550.603	HOPR CONDUIT 1.5 INCH DIA., INCL. TRACER WIRE	(6)	LIN FT	\$12.00	25940	\$311,280.00																	25940	\$311,280.00		
2550.603	RIGID PVC CONDUIT 1 INCH DIA., INCL. TRACER WIRE	(6)	LIN FT	\$5.50	2318	\$12,749.00																	2318	\$12,749.00		
2550.603	RIGID PVC CONDUIT 3 INCH DIA., INCL. TRACER WIRE	(6)	LIN FT	\$25.00	65	\$1,625.00																	65	\$1,625.00		
2554.502	END TREATMENT TANGENT TERMINAL		EACH	\$5,100.00	6	\$30,600.00	6	\$30,600.00																		
2554.503	TRAFFIC BARRIER DESIGN SPECIAL		LIN FT	\$145.00	150	\$21,750.00	150	\$21,750.00																		
2554.503	TRAFFIC BARRIER DESIGN TRANS TYPE 31		LIN FT	\$50.00	412.5	\$20,625.00	412.5	\$20,625.00																		

Attachment A



ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING												NON-PARTICIPATING							
							RAMSEY CO. SP 062-649-055						SAINT PAUL SP 164-020-171		RAMSEY CO.		SAINT PAUL REGIONAL WATER SERVICES		SAINT PAUL SEWER		METRO TRANSIT					
							ROADWAY		BRIDGE		STORM SEWER		QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST				
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST														
2557.602	INSTALL GATE		EACH	\$1,000.00	1	\$1,000.00	1	\$1,000.00																		
2557.603	INSTALL FENCE		LIN FT	\$40.00	80	\$3,200.00	80	\$3,200.00																		
2563.601	TRAFFIC CONTROL		LUMP SUM	\$1,250,000.00	1	\$1,250,000.00	0.58	\$725,000.00	0.10	\$125,000.00	0.07	\$87,500.00	0.13	\$162,500.00			0.05	\$62,500.00	0.03	\$17,500.00	0.04	\$16,000.00				
2563.601	TRAFFIC CONTROL SUPERVISOR		LUMP SUM	\$35,000.00	1	\$35,000.00	0.58	\$20,300.00	0.10	\$3,500.00	0.07	\$2,450.00	0.13	\$4,550.00			0.05	\$1,750.00	0.03	\$1,050.00	0.04	\$1,400.00				
2563.601	ALTERNATE PEDESTRIAN ROUTE		LUMP SUM	\$60,000.00	1	\$60,000.00	0.58	\$34,800.00	0.10	\$6,000.00	0.07	\$4,200.00	0.13	\$7,800.00			0.05	\$3,000.00	0.03	\$1,800.00	0.04	\$2,400.00				
2563.602	PORTABLE SIGNAL SYSTEM		LUMP SUM	\$50,000.00	1	\$50,000.00	1	\$50,000.00																		
2563.602	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	\$6,500.00	4	\$26,000.00	4	\$26,000.00																		
2564.618	SIGN		SQ FT	\$126.00	1744	\$221,724.00	1744	\$221,724.00																		
2564.618	SIGN TYPE SPECIAL		SQ FT	\$120.00	229	\$27,480.00									229.00	\$27,480.00										
2564.502	INSTALL SIGN PANEL		EACH	\$310.00	34	\$10,540.00	34	\$10,540.00																		
2564.602	SIGN COLLAR		EACH	\$260.00	141	\$36,660.00	141	\$36,660.00																		
2565.501	TRAFFIC CONTROL INTERCONNECT		LUMP SUM	\$463,000.00	1	\$463,000.00	0.5	\$231,500.00						0.5	\$231,500.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM A		SYSTEM	\$524,900.00	1	\$524,900.00	1	\$524,900.00																		
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM B		SYSTEM	\$452,400.00	1	\$452,400.00	0.5	\$226,200.00						0.5	\$226,200.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM C		SYSTEM	\$471,800.00	1	\$471,800.00	0.5	\$235,900.00						0.5	\$235,900.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM D		SYSTEM	\$444,600.00	1	\$444,600.00	0.5	\$222,300.00						0.5	\$222,300.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM E		SYSTEM	\$444,600.00	1	\$444,600.00	1	\$444,600.00																		
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM F		SYSTEM	\$453,900.00	1	\$453,900.00	0.5	\$226,950.00						0.5	\$226,950.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM G		SYSTEM	\$435,700.00	1	\$435,700.00	0.5	\$217,850.00						0.5	\$217,850.00											
2565.516	TRAFFIC CONTROL SIGNAL SYSTEM H		SYSTEM	\$449,400.00	1	\$449,400.00	0.5	\$224,700.00						0.5	\$224,700.00											
2565.616	PEDESTRIAN CROSSWALK FLASHER SYSTEM A		SYSTEM	\$120,800.00	1	\$120,800.00	0.5	\$60,400.00						0.5	\$60,400.00											
2565.616	PEDESTRIAN CROSSWALK FLASHER SYSTEM B		SYSTEM	\$125,800.00	1	\$125,800.00	0.5	\$62,900.00						0.5	\$62,900.00											
2571.502	DECIDUOUS TREE 2" CAL BBB		EACH	\$800.00	67	\$53,600.00	67	\$53,600.00																		
2571.502	DECIDUOUS TREE 3" CAL BBB		EACH	\$850.00	170	\$144,500.00	170	\$144,500.00																		
2571.502	PUMP GRAVEL HYDROSEED		SQ YD	\$6.00	5044	\$30,264.00	5044	\$30,264.00																		
2571.502	PERMANENT NO. 1 COMB		EACH	\$45.00	20893	\$946,140.00	20893	\$946,140.00																		
2571.602	TREE PROTECTION		EACH	\$250.00	59	\$14,750.00	59	\$14,750.00																		
2571.607	HARDWOOD MULCH		CU YD	\$75.00	491	\$36,825.00	491	\$36,825.00																		
2572.503	TEMPORARY FENCE		LIN FT	\$10.00	1450	\$14,500.00	1450	\$14,500.00																		
2572.51	PRUNE TREE		HOURL	\$315.00	36	\$11,340.00	36	\$9,450.00	6	\$1,890.00																
2573.501	STABILIZED CONSTRUCTION EXIT		LUMP SUM	\$25,000.00	1	\$25,000.00	1	\$25,000.00																		
2573.502	STORM DRAIN INLET PROTECTION	(7)	EACH	\$250.00	216	\$54,000.00	216	\$54,000.00																		
2573.502	CULVERT END CONTROLS		EACH	\$250.00	3	\$750.00	3	\$750.00																		
2573.503	SALT FENCE TYPE MS		LIN FT	\$5.00	2150	\$10,750.00	2150	\$10,750.00																		
2573.503	FILTER BERM TYPE S		LIN FT	\$200.00	135	\$27,000.00	135	\$27,000.00																		
2573.503	SEDIMENT CONTROL LOG TYPE COMPOST		LIN FT	\$1.00	3760	\$3,760.00	3760	\$3,760.00																		
2574.121	POST CONSTRUCTION INFILTRATION TEST		EACH	\$600.00	23	\$13,800.00	23	\$13,800.00																		
2574.507	LOAM TOPSOIL BORROW	(1V)	CU YD	\$55.00	4416	\$242,880.00	4416	\$242,880.00																		
2575.504	ROLLED EROSION PREVENTION CATEGORY 2S		SQ YD	\$15.00	1850	\$27,750.00	1850	\$27,750.00																		
2575.508	HYDRAULIC STABILIZED FIBER MATRIX		POUND	\$1.34	49500	\$66,330.00	49500	\$66,330.00																		
2580.501	INTERIM PAVEMENT MARKING		LUMP SUM	\$7,500.00	1	\$7,500.00	1	\$7,500.00																		
2581.503	6" REMOVABLE PREFORM PAVEMENT MARKING TAPE		LIN FT	\$1.50	8150	\$12,225.00	8150	\$12,225.00																		
2581.503	6" REMOVABLE PREFORM PAVEMENT MARKING TAPE		LIN FT	\$2.50	5645	\$14,112.50	5645	\$14,112.50																		
2581.603	REMOVABLE PREFORMED PLASTIC MASK (BLACK)		LIN FT	\$2.50	780	\$1,950.00	780	\$1,950.00																		
2581.603	SUPPLEMENTAL DESCRIPTION	(8)	LIN FT	\$2.50	902	\$2,255.00	902	\$2,255.00																		
2582.503	4" SOLID LINE PAINT		LIN FT	\$0.50	2400	\$1,200.00	2400	\$1,200.00																		
2582.503	12" SOLID LINE PAINT		LIN FT	\$0.50	32	\$16.00	32	\$16.00																		
2582.503	4" SOLID LINE MULTI COMP (WR)		LIN FT	\$2.50	1300	\$3,000.00	1300	\$3,000.00																		
2582.503	4" DOTTED LINE MULTI COMP (WR)		LIN FT	\$10.00	25	\$250.00	25	\$250.00																		

Attachment A



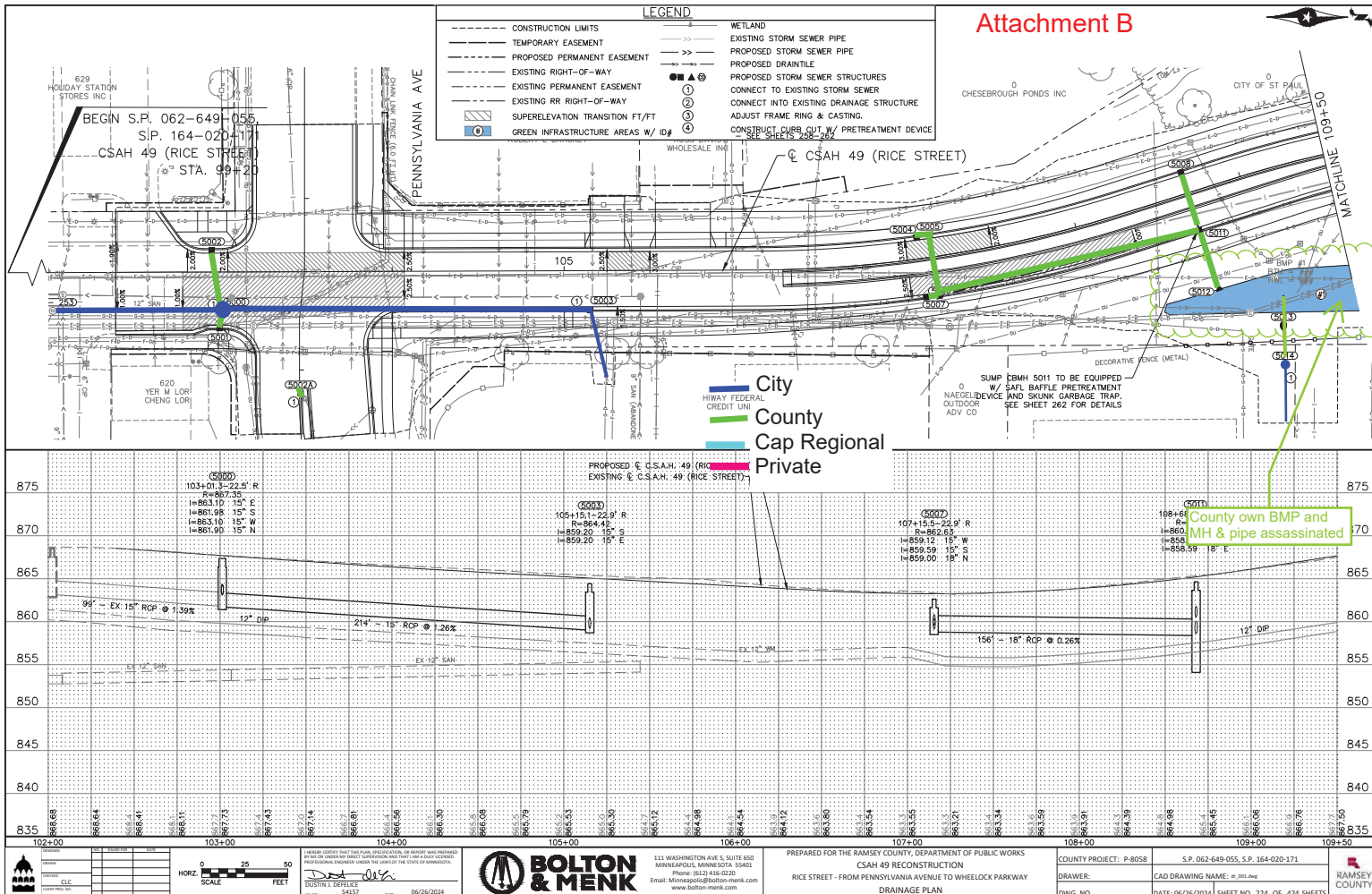
ITEM NO	ITEM DESCRIPTION	NOTES	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	PARTICIPATING												NON-PARTICIPATING							
							RAMSEY CO.						SAINT PAUL		RAMSEY CO.		SAINT PAUL		SAINT PAUL		METRO TRANSIT					
							SP 062-649-025						SP 164-020-171				REGIONAL WATER SERVICES		SEWER							
							ROADWAY		BRIDGE		STORM SEWER															
							QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST				
2582.503	4" DBLE SOLID LINE MULTI COMP (WR)		LN FT	\$12.00	1200	\$14,400.00	1200	\$14,400.00																		
2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)		LN FT	\$5.00	7242	\$36,210.00	7242	\$36,210.00																		
2582.503	4" SOLID LINE PREF TAPE GR IN (WR)		LN FT	\$5.00	32047	\$160,235.00	32047	\$160,235.00																		
2582.503	4" SOLID LINE PREF TAPE GR IN (WR)		LN FT	\$30.00	903.5	\$27,105.00	903.5	\$27,105.00																		
2582.503	12" SOLID LINE PREF TAPE GR IN (WR)		LN FT	\$30.00	108	\$3,340.00	108	\$3,340.00																		
2582.503	4" BROKEN LINE PREF TAPE GR IN (WR)		LN FT	\$6.00	2227	\$13,362.00	2227	\$13,362.00																		
2582.503	4" DOTTED LINE PREF TAPE GR IN (WR)		LN FT	\$6.00	88	\$528.00	88	\$528.00																		
2582.503	4" DOTTED LINE PREF TAPE GR IN (WR)		LN FT	\$12.00	53	\$636.00	53	\$636.00																		
2582.503	4" DBLE SOLID LINE PREF TAPE GR IN (WR)		LN FT	\$25.00	7242	\$181,050.00	7242	\$181,050.00																		
2582.518	RAVY MISSO MULTI COMP GR IN (WR)		SQ FT	\$30.00	1958	\$58,740.00	1958	\$58,740.00																		
2582.518	CROSSWALK PREF THERMO GR IN ESR		SQ FT	\$15.00	5154	\$77,310.00	5154	\$77,310.00																		
2582.618	PAVEMENT MARKING SPECIAL BRK/PED MULTI COMP		SQ FT	\$25.00	342	\$8,550.00	342	\$8,550.00																		
2582.601	WET RETROREFLECTOMETER MEASUREMENTS		LUMP SUM	\$7,500.00	1	\$7,500.00	1	\$7,500.00																		
TOTAL OPINION OF PROBABLE CONSTRUCTION COST						\$39,099,066.25	\$32,780,038.25	\$3,904,052.00	\$2,630,918.00	\$1,081,603.00	\$27,480.00	\$1,896,136.00	\$1,266,740.00	\$1,554,079.00												
City of St Paul total Costs			\$6,352,343.00																							
Design engineering 12%			\$762,281.16																							
Construction engineering 12%			\$610,272.36																							
Admin fee 2%			\$25,334.80																							
subtotal			\$7,750,231.32																							
Federal funding share			-\$1,138,439.00	\$6,306,147.72																						
subtract half cost for 1199 Rice street parcel			-\$120,000.00																							
Total			\$6,491,792.32																							

NOTES:
(P) DENOTES PAVEN QUANTITY
(LV) DENOTES LOOSE VOLUME
(1) LEAD SERVICE
(2) ITEM TO BE USED FOR REMOVAL OF COMPOSITE BITUMINOUS OVER CONCRETE PAVEMENT
(3) LIGHTING UNITY TYPE 2-L4 INCLUDES REPLACEMENT OF LIGHTING UNITS THAT CANNOT BE SALVAGED AND REINSTALLED DUE TO CONDITION. COORDINATE WITH CITY TRAFFIC ON WHICH ONES TO REPLACE. RETURN UNUSED UNITS TO THE CITY.
(4) ITEM TO BE USED FOR CONCRETE PAD AT ENHANCED TRANSIT STOPS. SEE TYPICAL SECTIONS AND CONSTRUCTION PLANS.
(5) ITEM TO BE USED AT ENHANCED TRANSIT STOPS. SEE TYPICAL SECTIONS AND CONSTRUCTION PLANS.
(6) SEE TRANSIT SIG ON SHEET 871.
(7) S&T FENCE OR FABRIC PLACED UNDER THE GATE IS NOT AN APPROVED FORM OF INLET PROTECTION.
(8) SUPPLEMENTAL DESCRIPTION IS FOR THE 4" DOTTED GROUND-IN (NO MARKINGS) ON THE WEST SIDE TRAIL

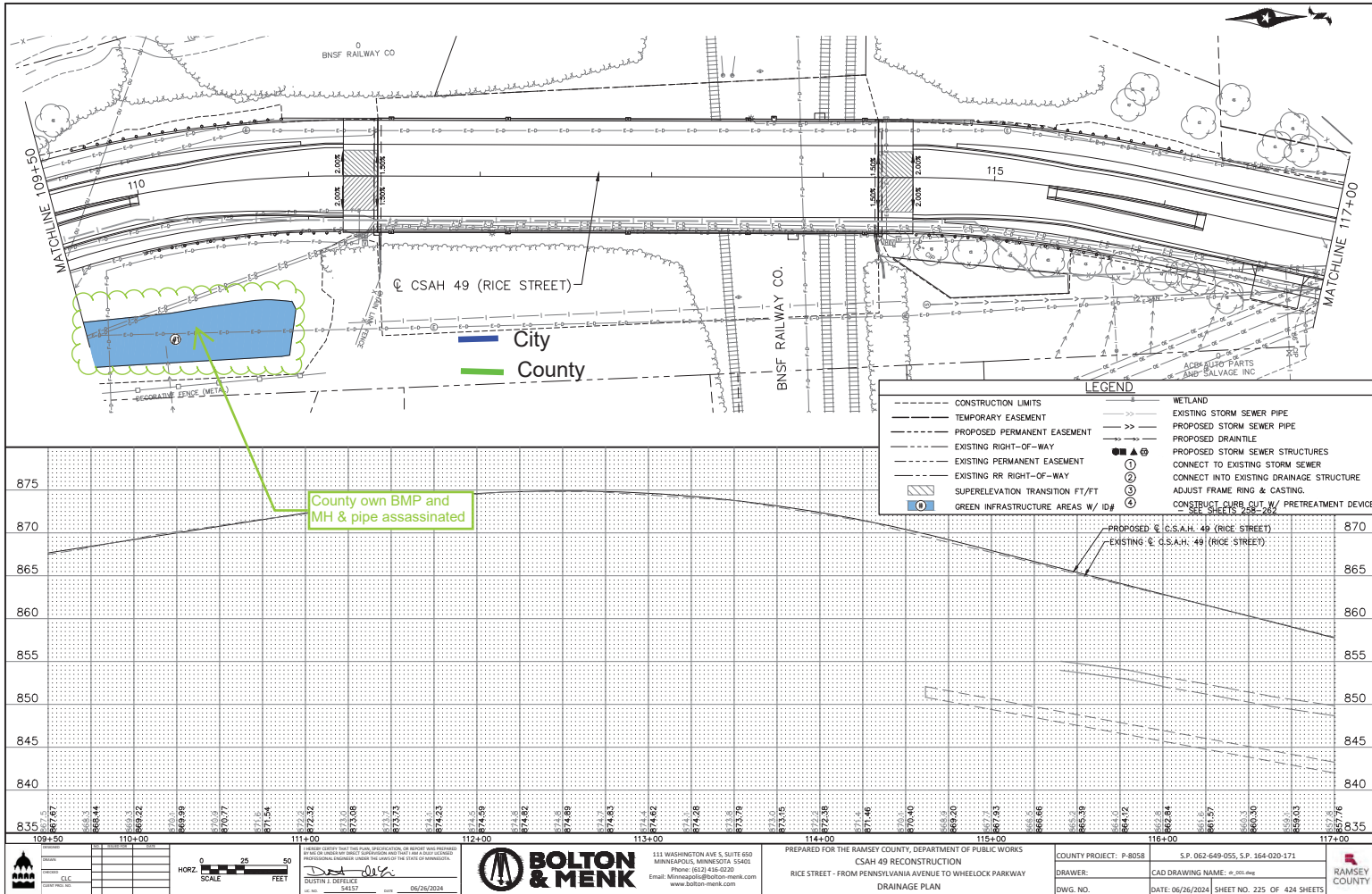
EXHIBIT B

Sewer Exhibit

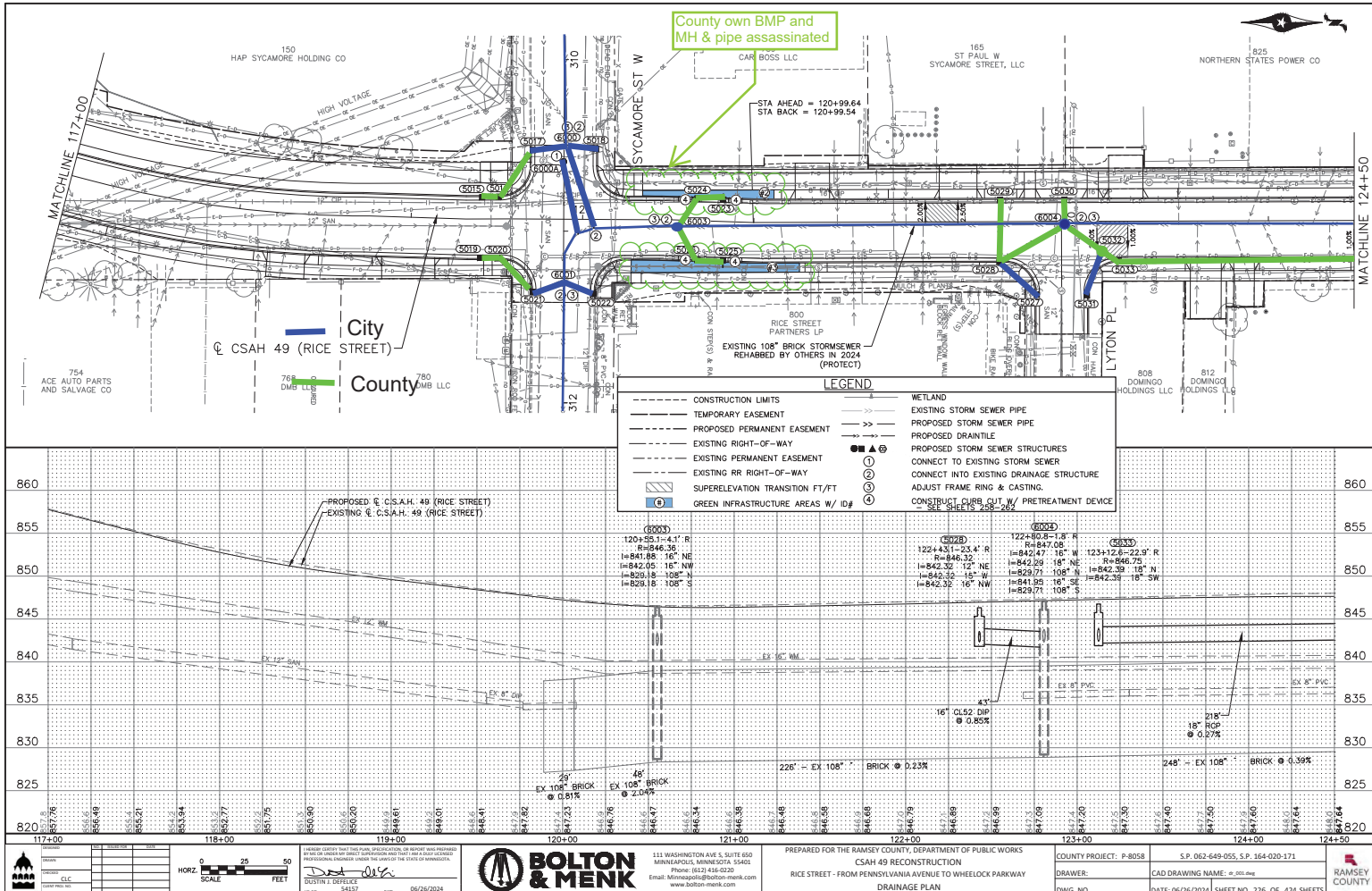
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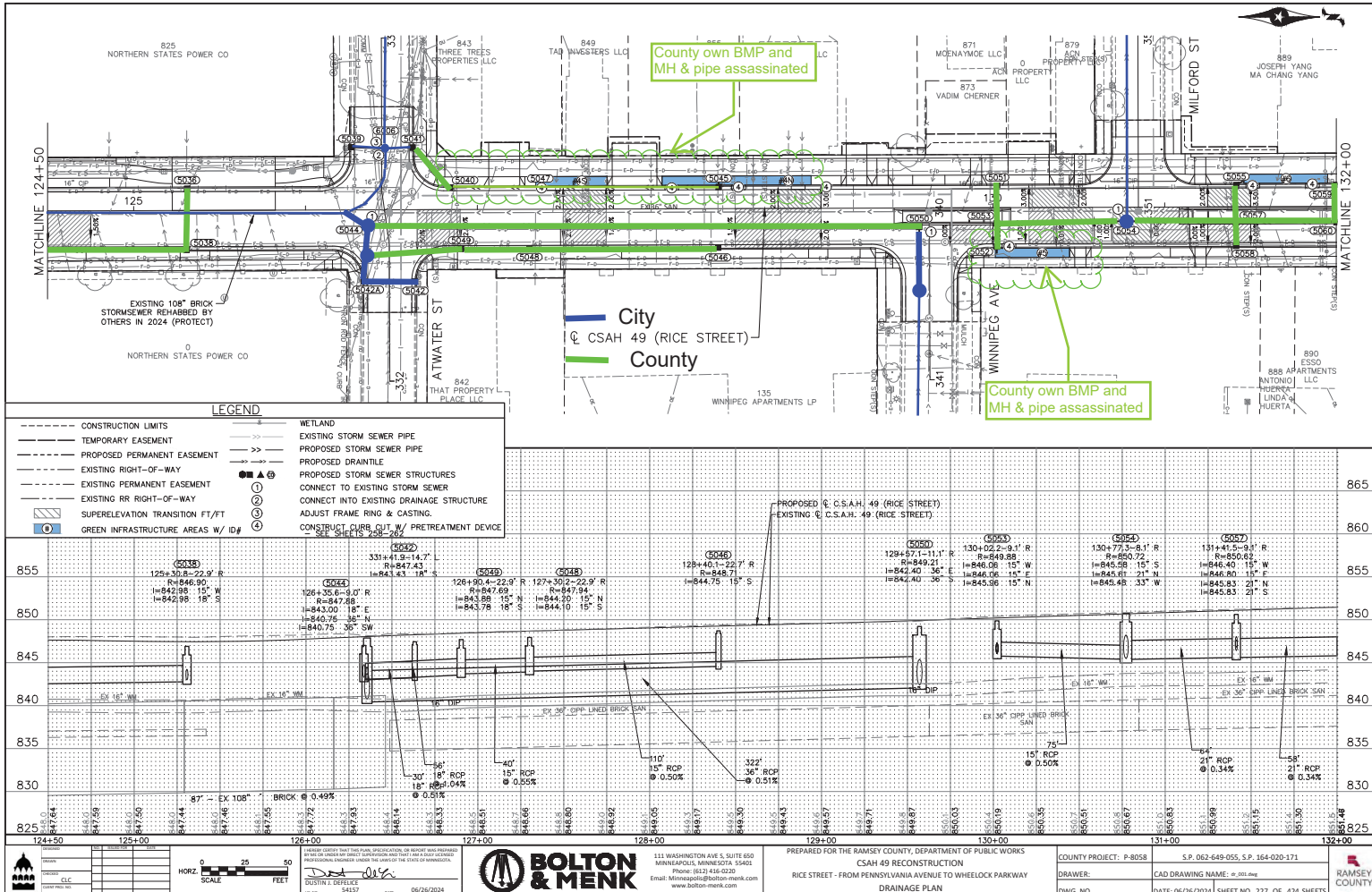


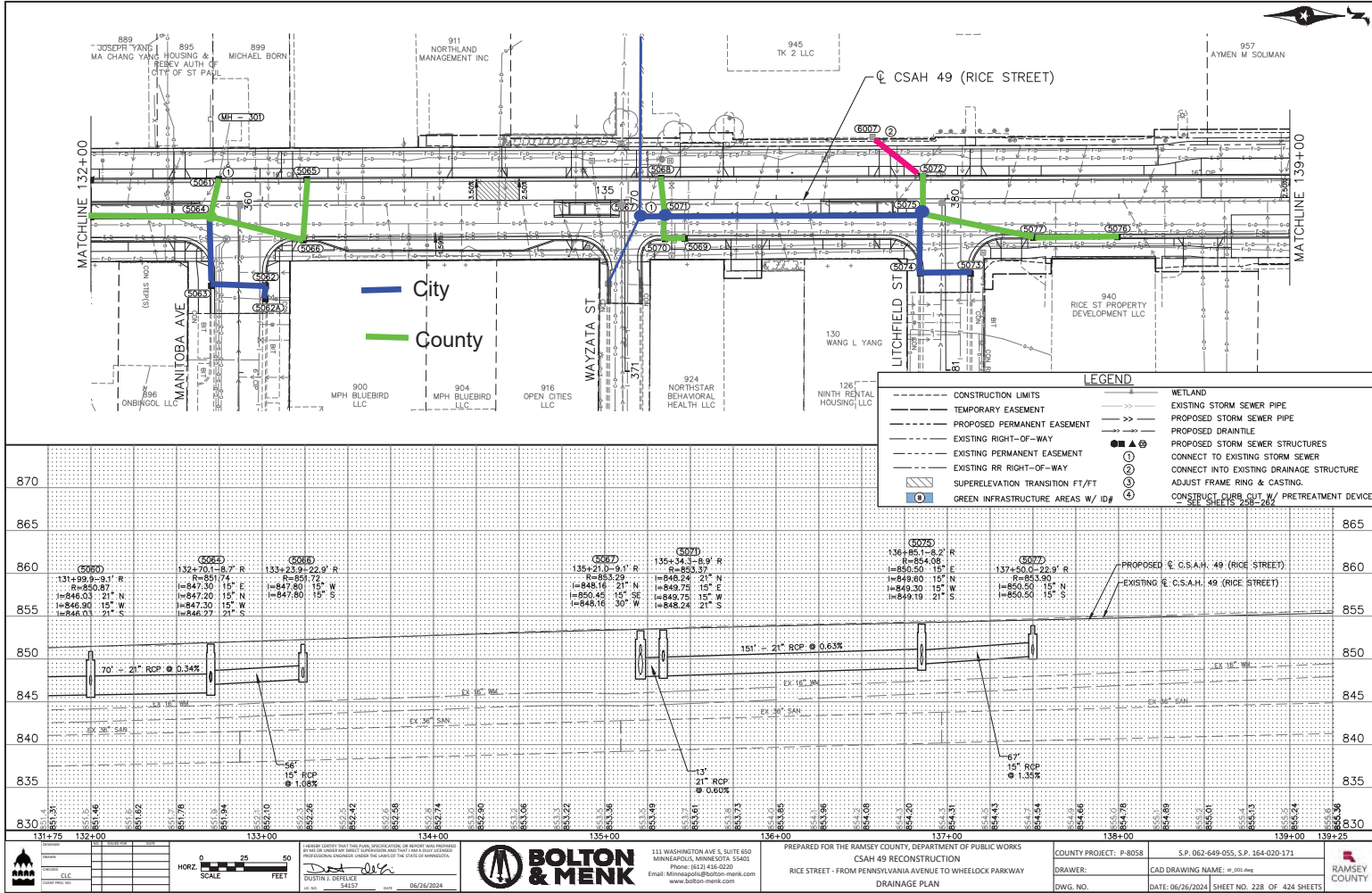
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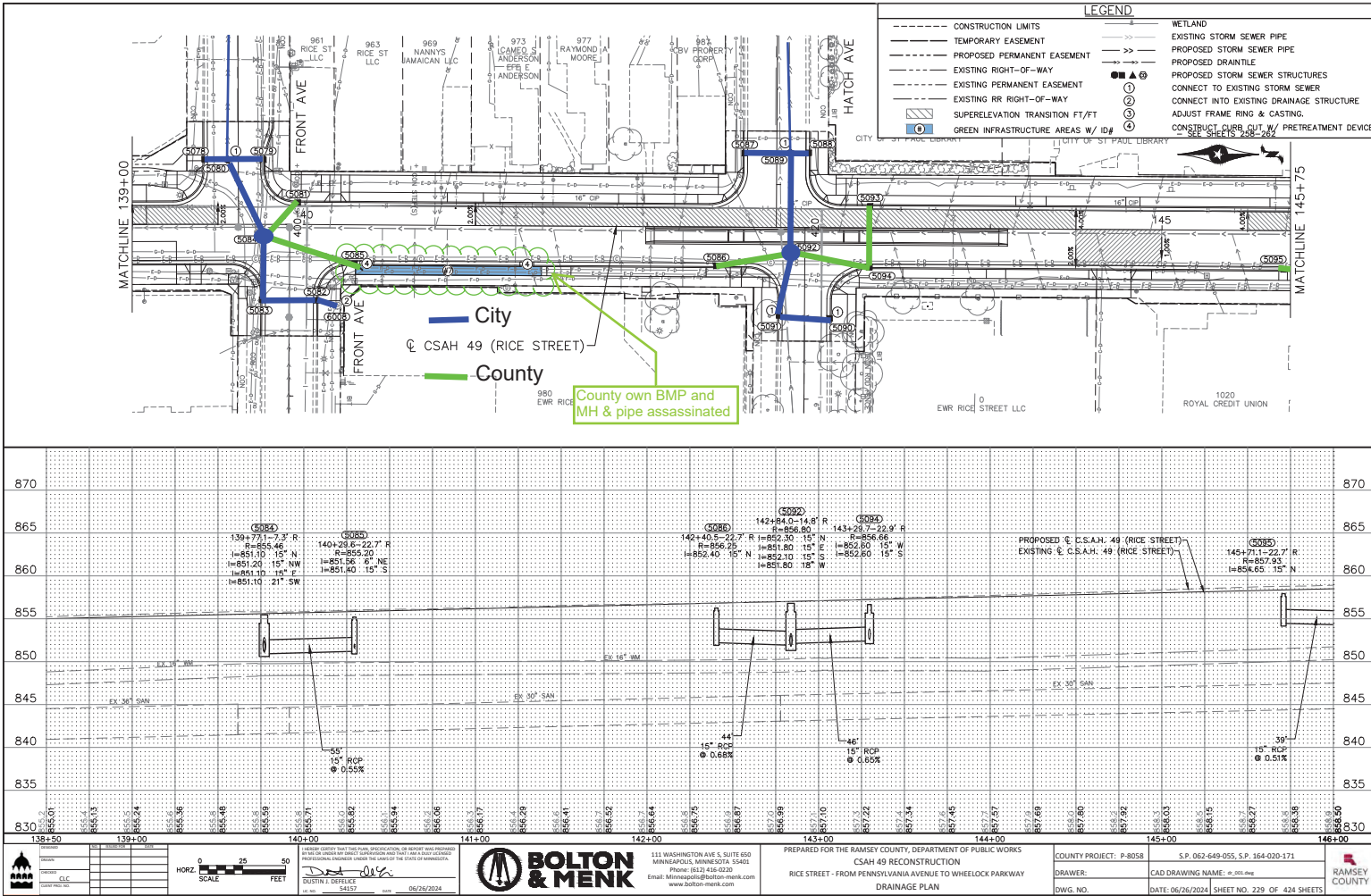
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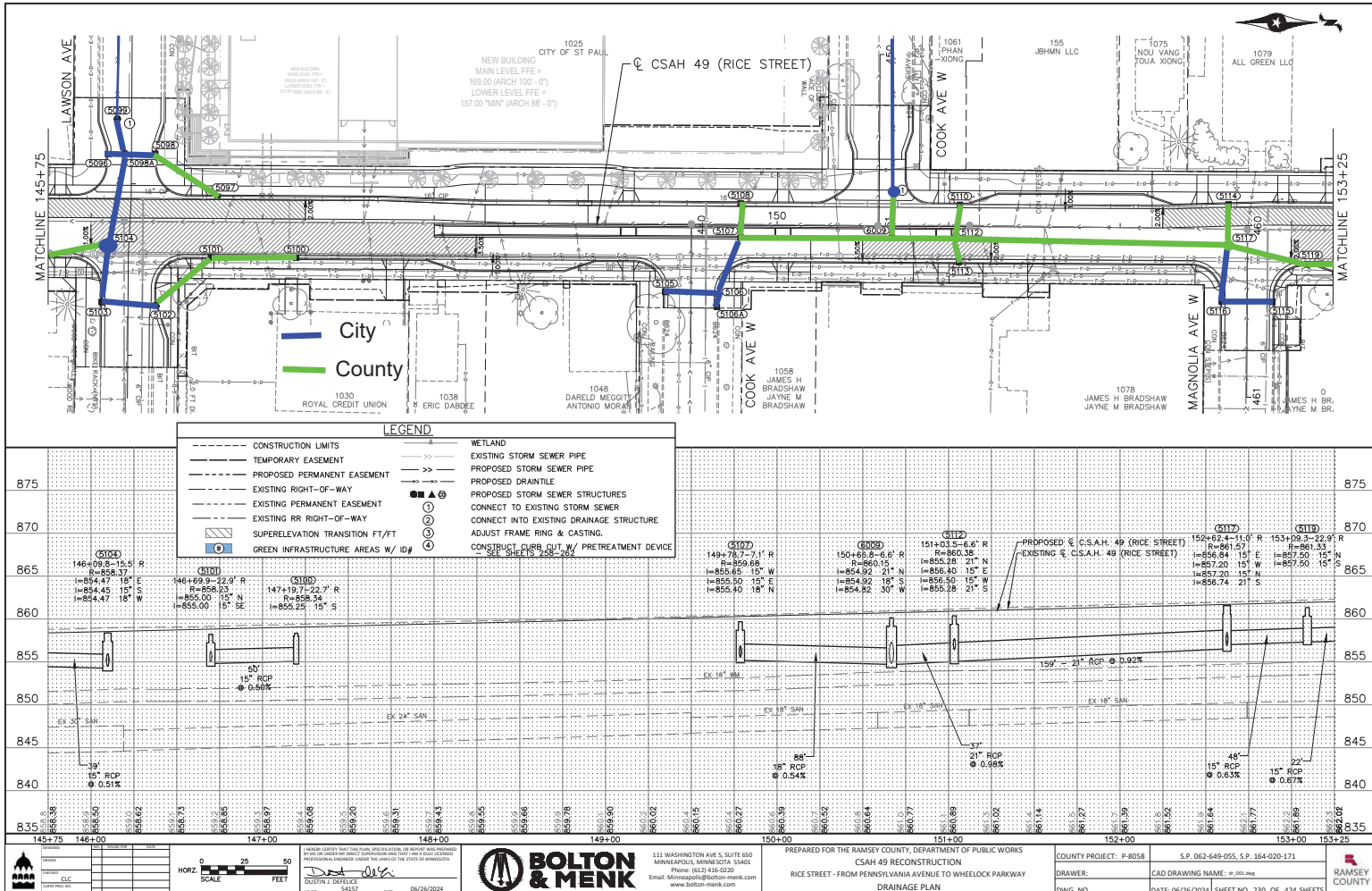


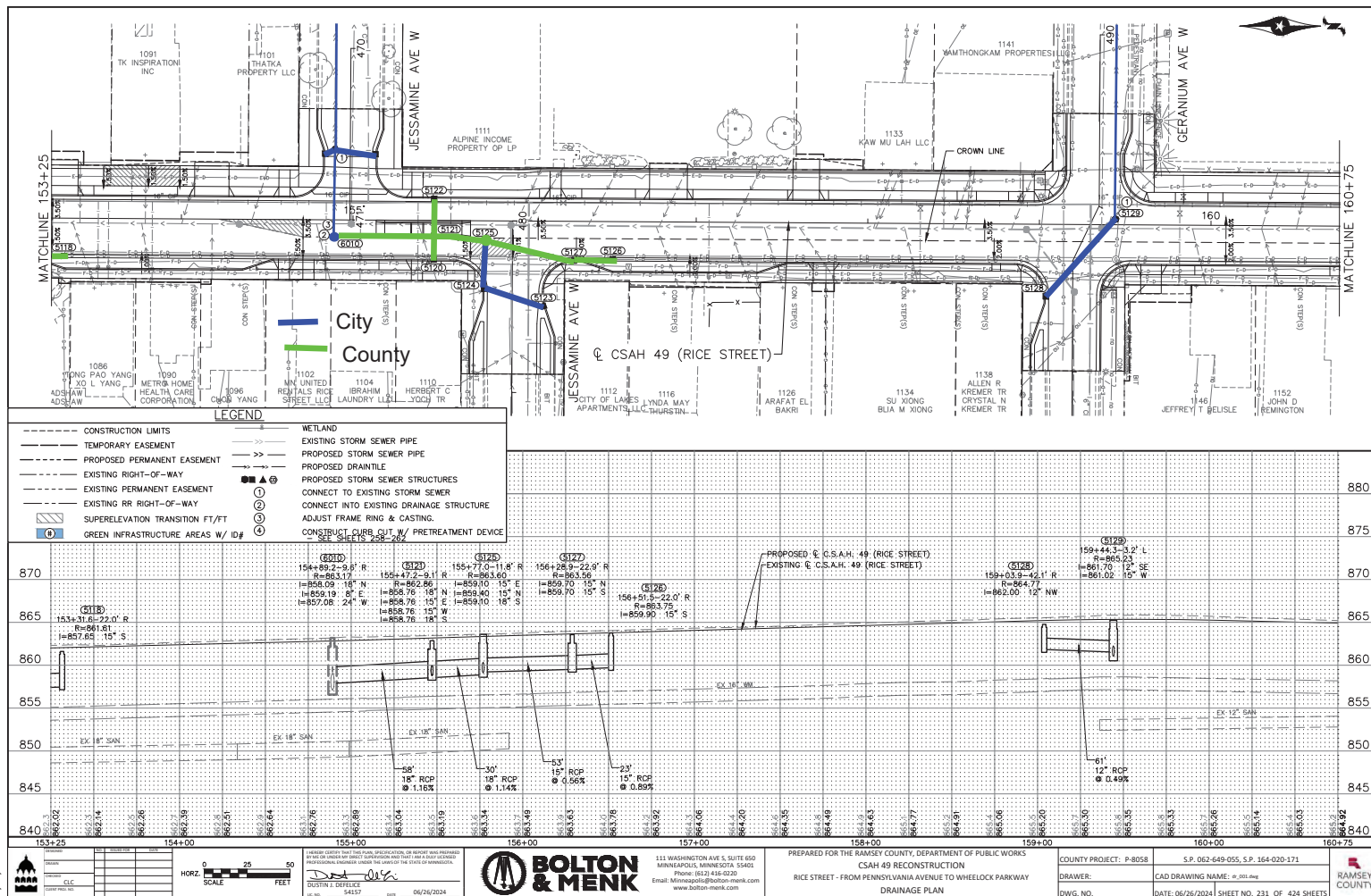


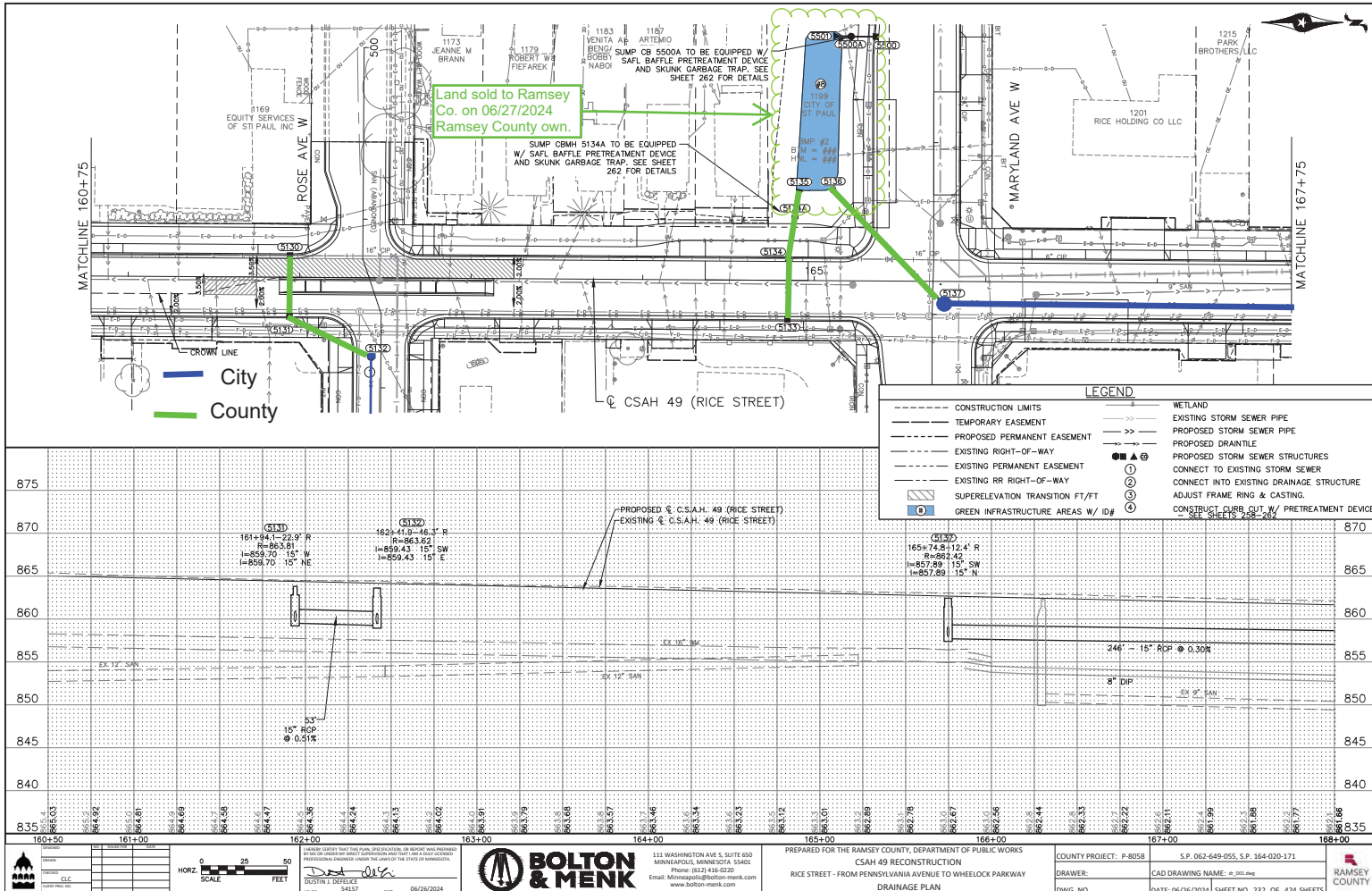
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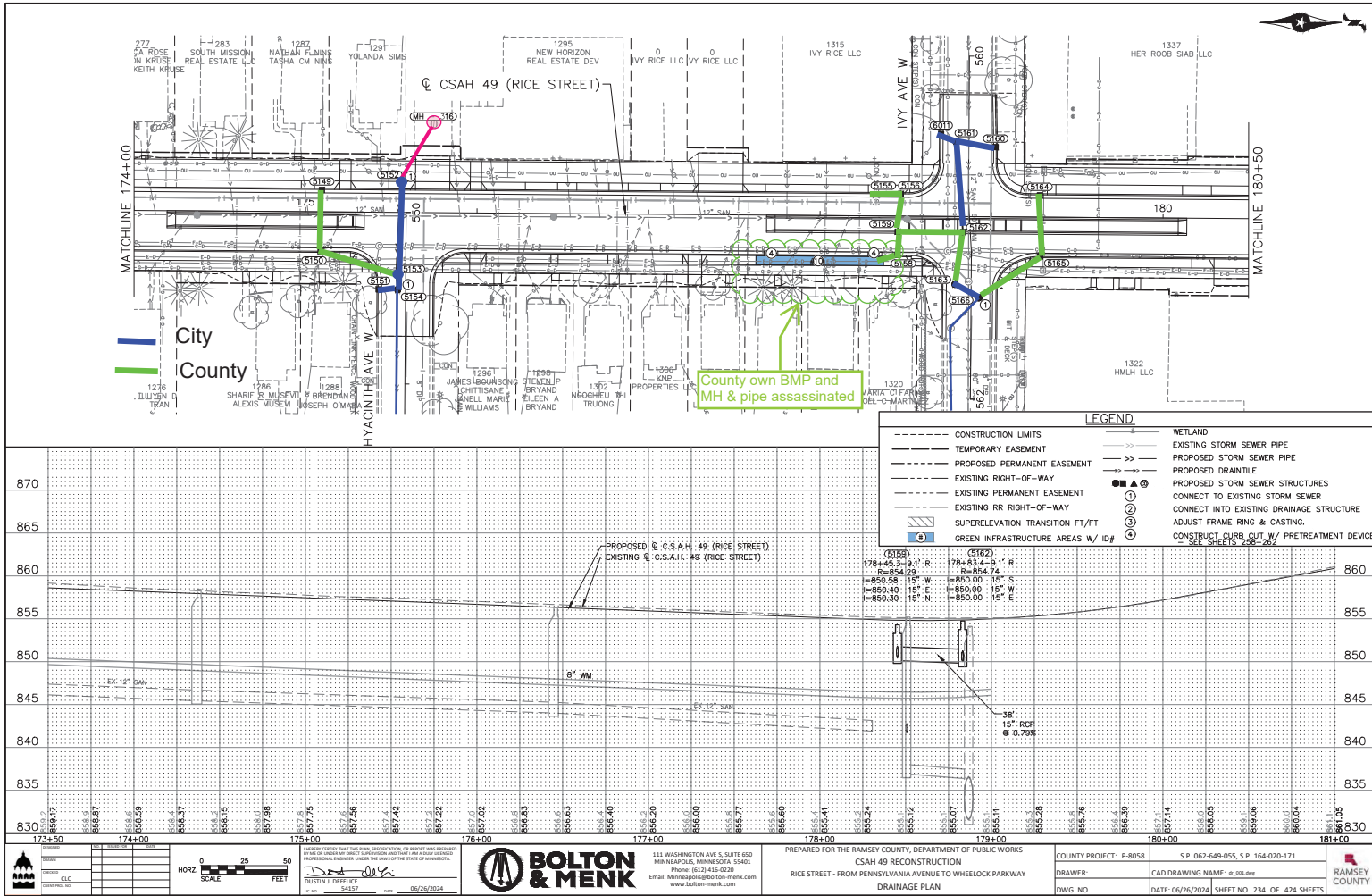
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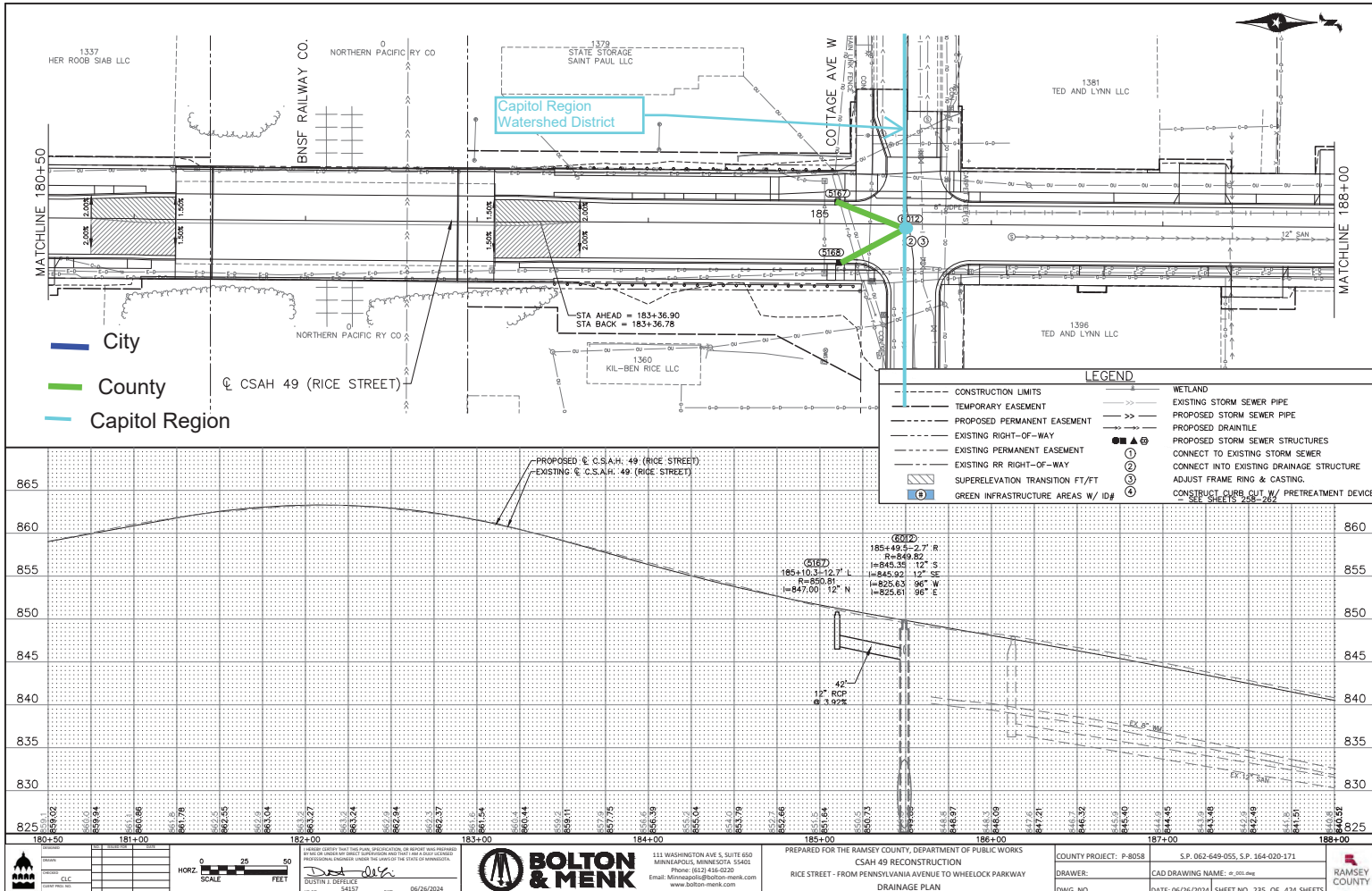




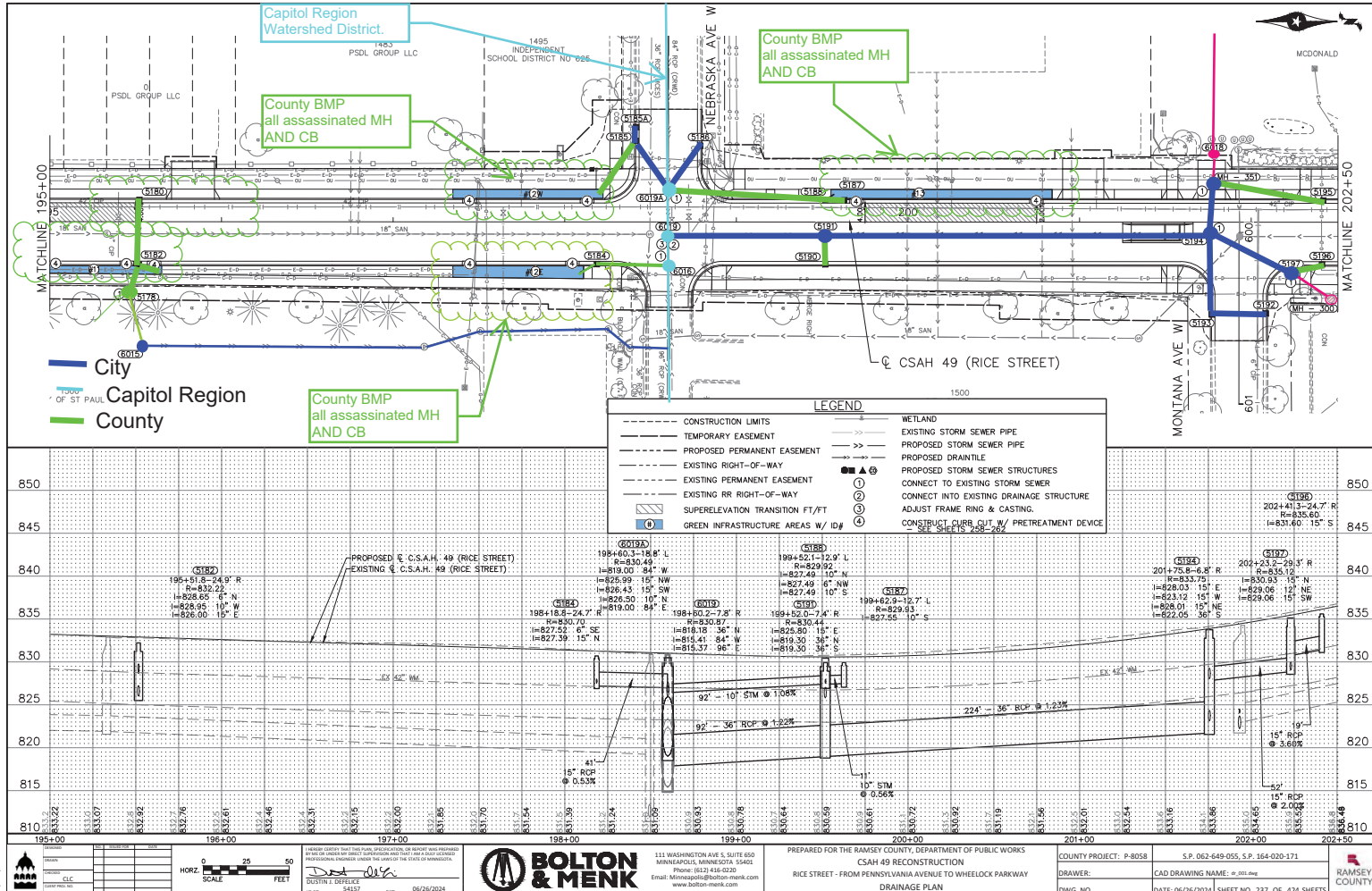
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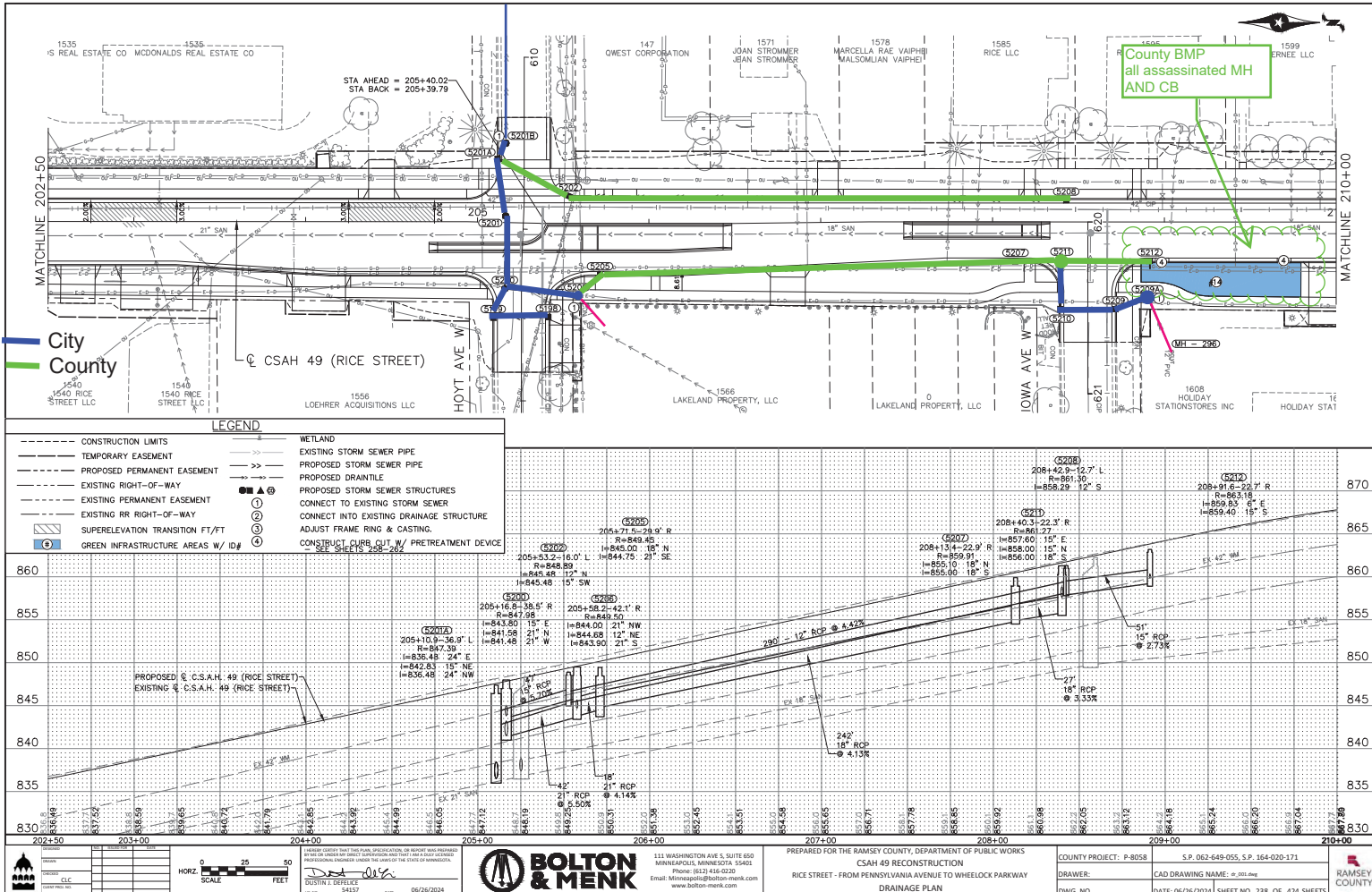
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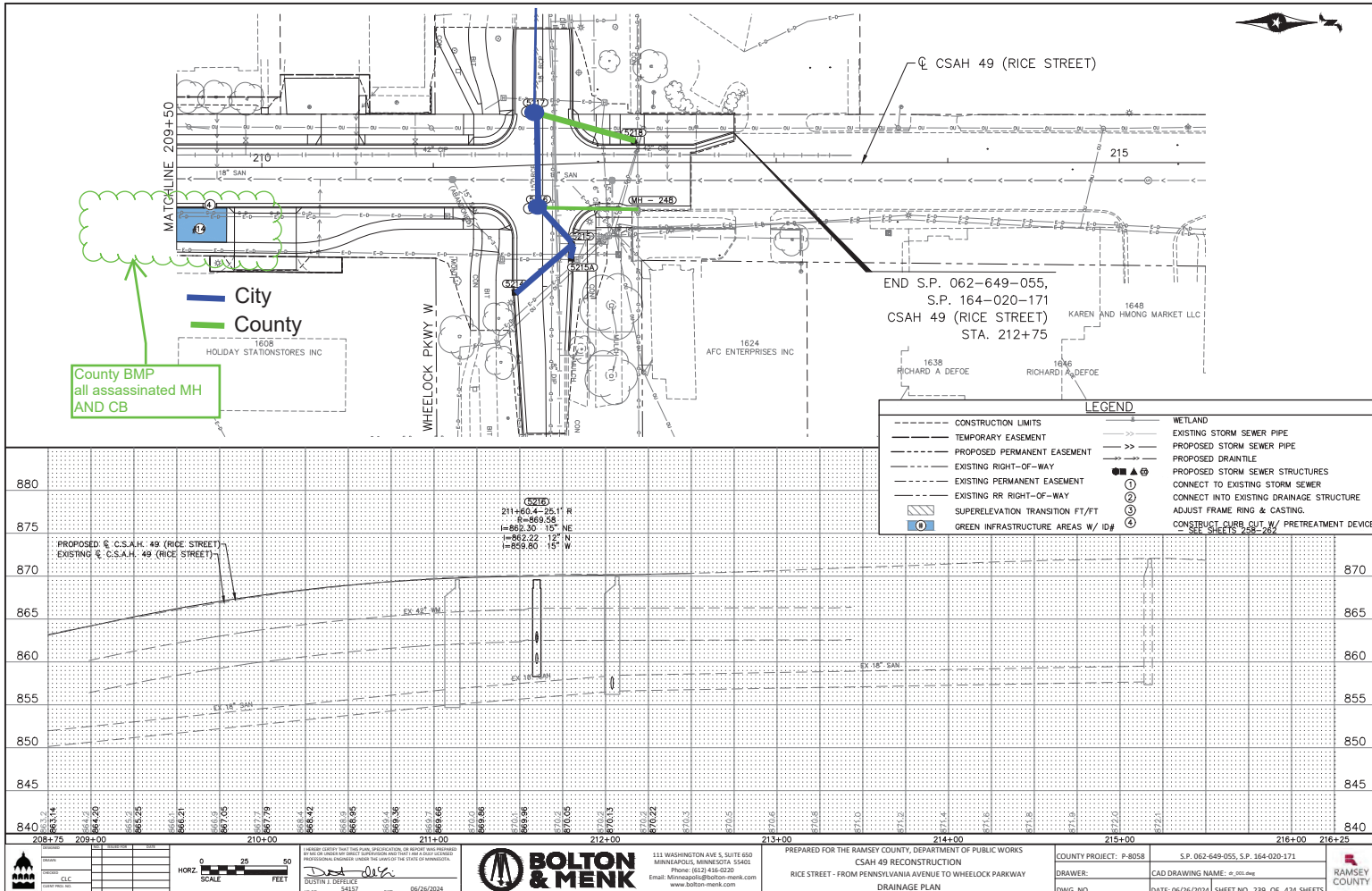
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