

REPORT OF THE CITY ENGINEER
FOR SPECIAL ASSESSMENTS ON BENEFITTING PROPERTIES
WITHIN THE CITY OF DEPERE, BROWN COUNTY, WISCONSIN
FOR STORM SEWER MAIN AND LATERALS
ON

N. WINNEBAGO STREET FROM FULTON STREET TO RIDGEWAY BOULEVARD,
N. ERIE STREET FROM GEORGE STREET TO RIDGEWAY BOULEVARD, AND
JAMES STREET FROM N. ERIE STREET TO N. HURON STREET

In accordance with the Preliminary Resolution adopted on March 8, 2021 by the Board of Public Works, I herewith submit my report on the special assessments, proposed to be levied against properties in the Special Assessment District in the City of De Pere, as identified in said Preliminary Resolution for benefits conferred upon such properties by the construction and installation of a storm sewer and/or storm laterals serving such properties.

Schedule "A" – Preliminary Project Plan and Specifications

Schedule "B" – Estimate of Costs of Proposed Improvements

Schedule "C" – Proposed Assessment Rates

Schedule "D" – Schedule of Proposed Assessments

The Statement of Benefits has also been included with this Report

Report Prepared By:



Eric P. Rakers, P.E.

Date: 3-18-2021

PROJECT# 21-01

SEWER & WATER RELAY AND STREET RESURFACING

CITY OF DE PERE



ENGINEER DIVISION
925 S. SIXTH ST
DE PERE, WI 54115



SITE LOCATION MAP
N.T.S.

SHEET NO.	DESCRIPTION
G001	TITLE SHEET
G002	STANDARD ABBREVIATION & SYMBOLS
G003	TYPICAL SECTION
C101 - C104	N WINNEBAGO STREET PLAN AND PROFILE SHEETS
C105 - C106	REID STREET PLAN AND PROFILE SHEETS
C107 - C109	RIDGEWAY BOULEVARD PLAN AND PROFILE SHEETS
C110 - C112	RIDGEWAY BOULEVARD INTERSECTION DETAILS
C401 - C404	BENCHMARK AND CONTROL POINT SHEETS
C405 - C406	REID STREET DETAILS
C407 - C408	RIDGEWAY BOULEVARD TRAFFIC CONTROL DETAILS
C501 - C512	CONSTRUCTION DETAILS
C513 - C518	TRAFFIC CONTROL DETAILS

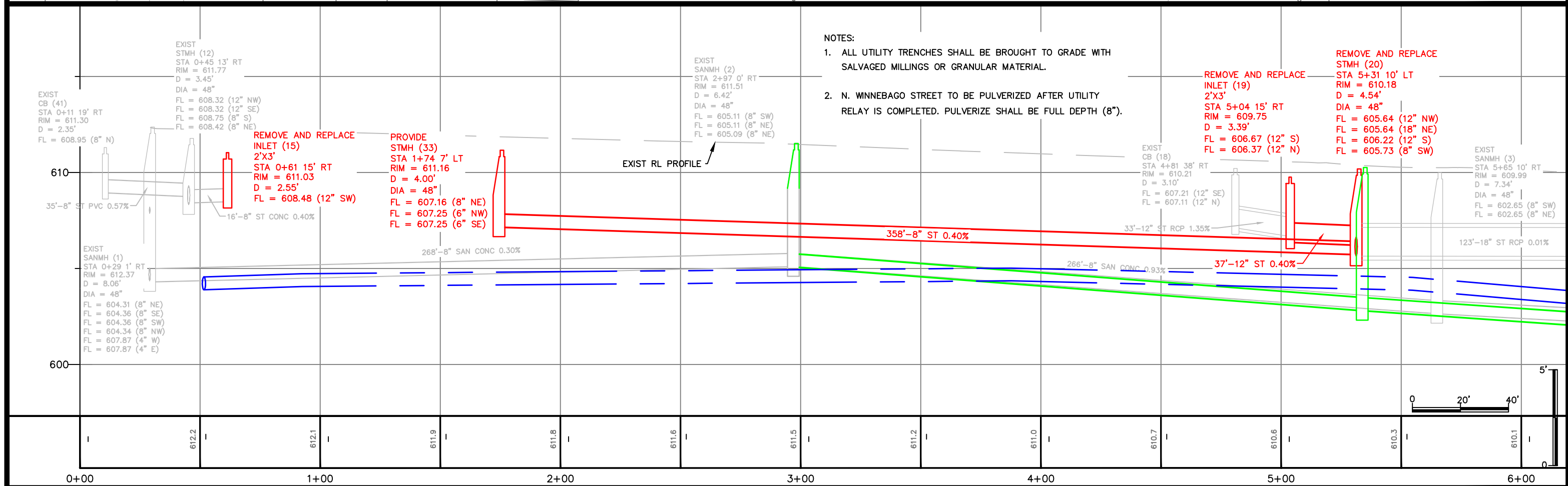
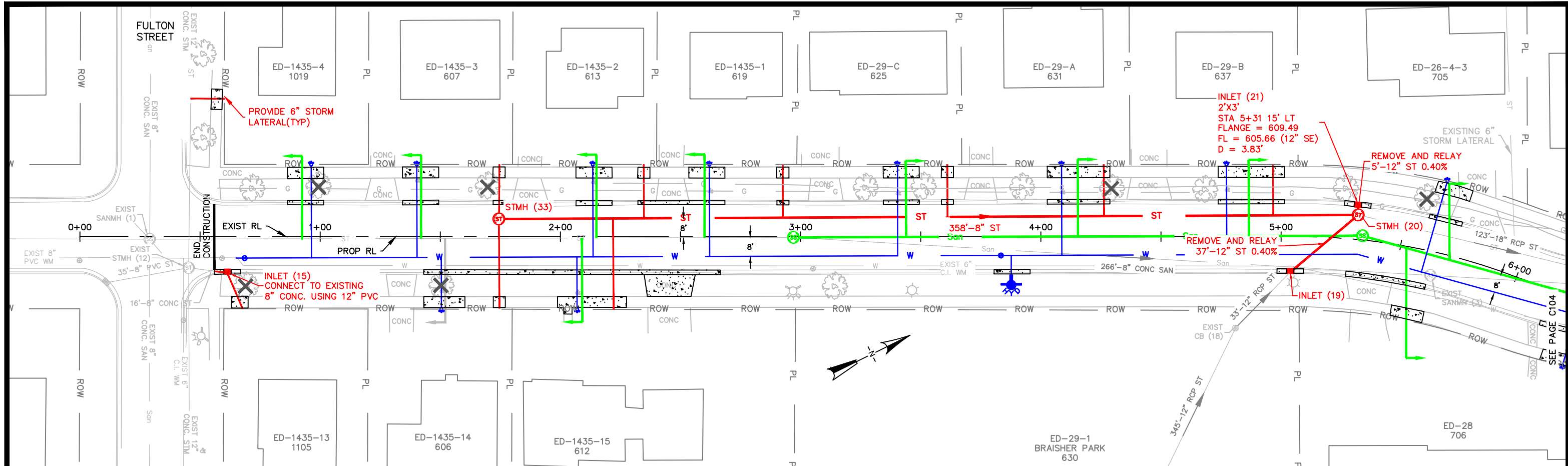
CITY OF DE PERE
BOARD OF PUBLIC WORKS

3/3/2021 DATE CITY ENGINEER
3/3/21 DATE CITY ADMINISTRATOR
3/3/21 DATE MAYOR

STAMPS:

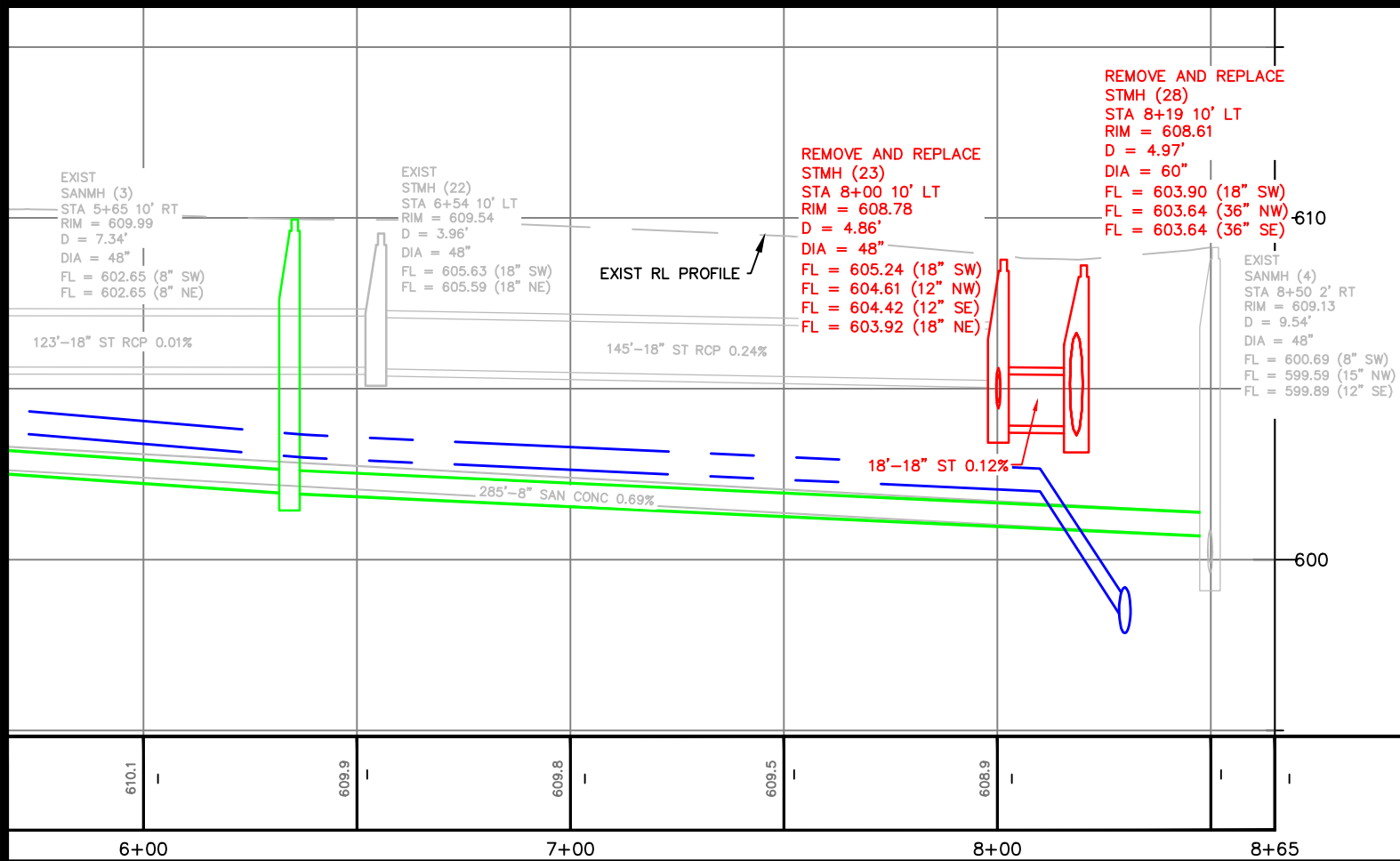
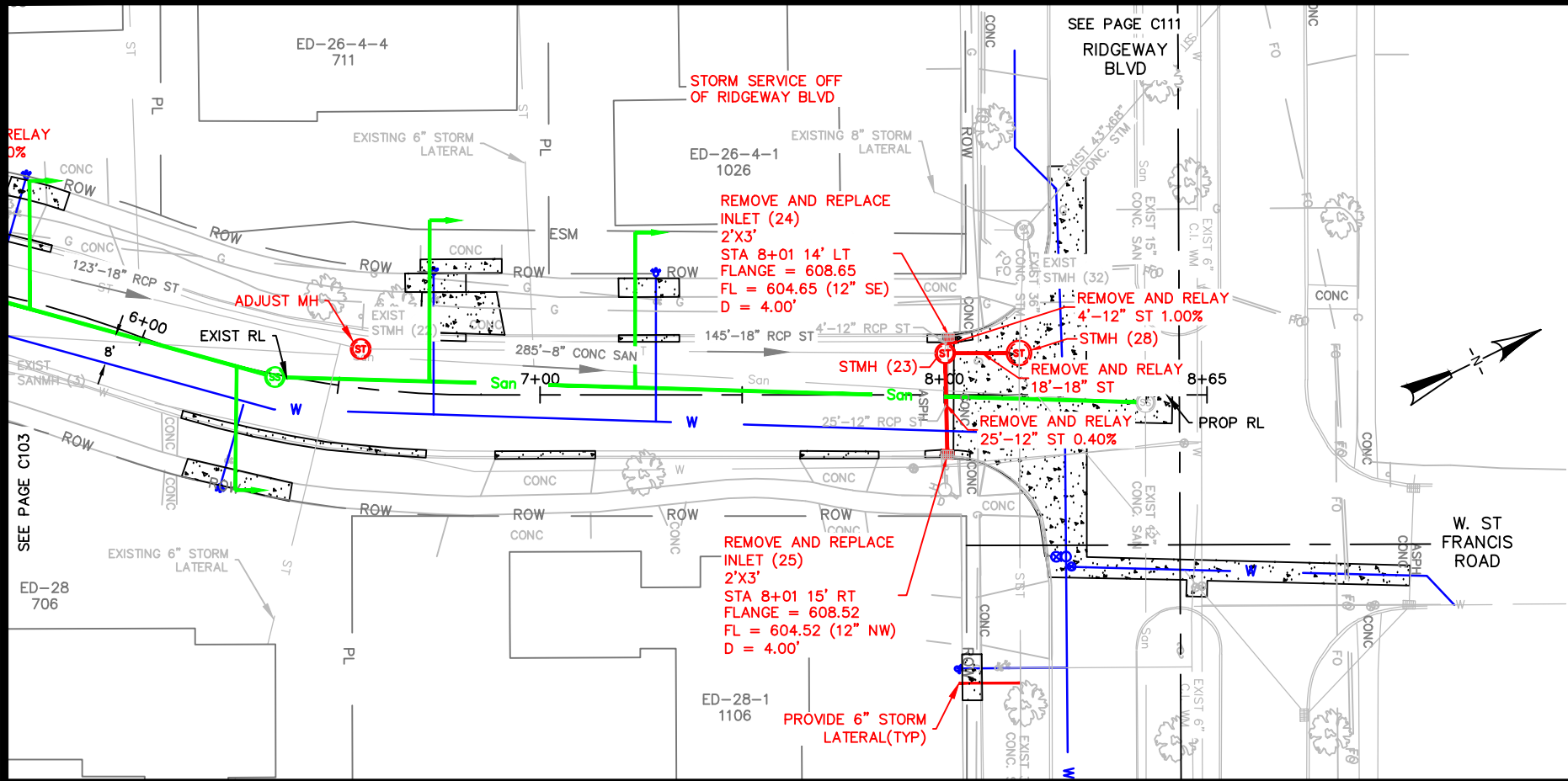


LIST OF STANDARD ABBREVIATIONS				MAPPING & TOPOGRAPHY SYMBOLOGY				MAPPING & TOPOGRAPHY SYMBOLOGY			
ADT AGGR AH ASPH B/B BARR BC BK BL BLDG BM BOW BSMT C C&G C/C CABC CB CE CI CL CMP CNTY CO CONC CONSTR CONSTR JT CP CTH CTRL JT CTV CY D DIA DI DISCH DW E EA EB EBS ECS EL ELEC EMB ENTR EP EW EXC EXIST F F/F FDN FE FERT FIN GR FL FO FOW FT FTG G GV GW HDPE HR HSE HT HYD I ICS ID IN INL INTERS INV IP JCT L LC LP LS LT MAINT MATL MB MH MP		AVERAGE DAILY TRAFFIC AGGREGATE AHEAD ASPHALT BACK TO BACK BARRICADE BACK OF CURB BACK BASELINE BUILDING BENCHMARK BACK OF SIDEWALK BASEMENT CUT CURB AND GUTTER CENTER TO CENTER CRUSHED AGGREGATE BASE COURSE CATCH BASIN CONSTRUCTION ENTRANCE CAST IRON PIPE CENTERLINE CORRUGATED METAL PIPE COUNTY CLEANOUT CONCRETE CONSTRUCTION CONSTRUCTION JOINT CONTROL POINT COUNTY TRUNK HIGHWAY CONTROL JOINT CABLE TV CUBIC YARD DEPTH DIAMETER DUCTILE IRON PIPE DISCHARGE DRIVEWAY EAST (SEE ELEC BELOW) EACH EASTBOUND EXCAVATION BELOW SUBGRADE EXTERNAL CHIMNEY SEAL ELEVATION ELECTRIC (E WHEN USED IN LINE STYLE) EMBANKMENT ENTRANCE EDGE OF PAVEMENT ENDWALL EXCAVATION EXISTING FILL FACE TO FACE FOUNDATION FIELD ENTRANCE FERTILIZER FINISHED GRADE FLOWLINE FIBER OPTIC FRONT OF SIDEWALK FOOT FOOTING GAS GAS VALVE GUY WIRE HIGH DENSITY POLYETHYLENE HANDICAP RAMP HOUSE HEIGHT HYDRANT INTERSECTION ANGLE INTERNAL CHIMNEY SEAL INSIDE DIAMETER INCH INLET INTERSECTION INVERT IRON PIPE OR PIN JUNCTION LENGTH (OF CURVE) LONG CHORD OF CURVE LIGHTPOLE LIFT STATION OR LUMP SUM LEFT MAINTENANCE MATERIAL MAILBOX MANHOLE MARKER POST		N NB NC NE NO NTS NW O O&C OBLIT OD PC PCC PED PLE PVMT PE PI PJF PL POC POT PP PRC PROJ PROP PSI PT PVC R RCP REBAR REL REM REQD RL ROW RP RR RT RW S SALV SAN SB SDWK SE SF SHLDR SY SS SSD STA STD STH STM STP STRUCT SW TAN T TEL TEMP TLE TOC TOW TRANS TYP UG USH VC VERT VOL VPC VPI VPRC VPT W WB WM WSO WTP WV WWTP YD		NORTH NORTHBOUND NORMAL CROWN NORTHEAST NUMBER NOT TO SCALE NORTHWEST OIL OIL AND CHIP OBLITERATE OUTSIDE DIAMETER POINT OF CURVATURE POINT OF COMPOUND CURVE PORTLAND CEMENT CONCRETE PEDESTAL PERMANENT LIMITED EASEMENT PAVEMENT PRIVATE ENTRANCE POINT OF INTERSECTION PRE-FORMED JOINT FILLER PROPERTY LINE POINT OF CURVE POINT ON TANGENT POLYETHYLENE POINT OF REVERSE CURVATURE PROJECT PROPOSED POUND PER SQUARE INCH POINT OF TANGENCY POLYVINYL CHLORIDE RANGE OR RADIUS REINFORCED CONCRETE PIPE REINFORCEMENT BAR RELOCATE REMAINING REQUIRED REFERENCE LINE RIGHT OF WAY REFERENCE POINT RAILROAD RIGHT RETAINING WALL SOUTH SALVAGE SANITARY SOUTHBOUND SIDEWALK SOUTHEAST SQUARE FEET SHOULDER SQUARE YARD STORM SEWER STOPPING SIGHT DISTANCE STATION STANDARD STATE HIGHWAY TRUNK STORM SEWAGE TREATMENT PLANT STRUCTURE OR STRUCTURAL SOUTHWEST TANGENT TOWN (T WHEN USED FOR TELEPHONE LINE) TELEPHONE TEMPORARY TEMPORARY LIMITED EASEMENT TOP OF CURB TOP OF WATER TRANSITION TYPICAL UNDERGROUND US HIGHWAY VERTICAL CURVE VERTICAL VOLUME VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF REVERSE CURVE VERTICAL POINT OF TANGENCY WEST WESTBOUND WATERMAIN WATER SHUTOFF VALVE WATER TREATMENT PLANT WATER VALVE WASTE WATER TREATMENT PLANT YARD		DESCRIPTION		SYMBOL	
								PLAN		(SIZE AND MATERIAL)	
EXISTING SANITARY SEWER LINE		San		PROPOSED SANITARY SEWER LINE		100'-8" PVC SAN San					
EXISTING STORM SEWER LINE		ST		PROPOSED STORM SEWER LINE		100'-8" PVC STM ST					
EXISTING WATER MAIN LINE		W		PROPOSED WATER MAIN LINE		100'-8" PVC WM (TEE-BEND) W					
EXISTING ELECTRICAL LINE		E		EXISTING GAS MAIN LINE		G					
EXISTING TELEPHONE LINE		T		EXISTING CABLE TV LINE		TV					
EXISTING SANITARY LATERAL		San		EXISTING WATER SERVICE		W					
RIGHT OF WAY		ROW		PROPERTY LINE		PL					
EASEMENT		Esm		SILT FENCE EROSION CONTROL		□					
EXISTING FIBER OPTIC		FO		EXISTING MAJOR CONTOUR		615					
EXISTING MINOR CONTOUR		612		PROPOSED MAJOR CONTOUR		615					
PROPOSED MINOR CONTOUR		612		PROFILE							
EXISTING SANITARY SEWER LINE		(SIZE AND MATERIAL)		PROPOSED SANITARY SEWER LINE		100'-8" PVC SAN @ 0.40%					
EXISTING STORM SEWER LINE		(SIZE AND MATERIAL)		PROPOSED STORM SEWER LINE		100'-8" PVC STM @ 1.0%					
EXISTING WATER MAIN LINE		(SIZE AND MATERIAL)		PROPOSED WATER MAIN LINE		PROPOSE 8" PVC WM					
CITY OF DE PERE				STANDARD ABBREVIATIONS AND SYMBOLS				PATCH SYMBOLS			
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115				NAME: SEWER & WATER RELAY AND STREET RESURFACING				ASPHALTIC CONCRETE PAVEMENT			
OFFICE 920-339-4060 FAX 920-339-4071				PROJECT # 21-01				PORTLAND CEMENT CONCRETE			
								CRUSHED AGGREGATE			
								BASE COURSE			
								TOPSOIL, SEED, & MULCH			



- NOTES:
1. ALL UTILITY TRENCHES SHALL BE BROUGHT TO GRADE WITH SALVAGED MILLINGS OR GRANULAR MATERIAL.
 2. N. WINNEBAGO STREET TO BE PULVERIZED AFTER UTILITY RELAY IS COMPLETED. PULVERIZE SHALL BE FULL DEPTH (8").

X:\ENG\Projects\City Projects\2021\Project 21-01 Utility Relay and Street Resurfacing\1200-CAD\Winnebago\Winn_P&P_Split.dwg



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1. ALL UTILITY TRENCHES SHALL BE BROUGHT TO GRADE WITH SALVAGED MILLINGS OR GRANULAR MATERIAL.
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SCHEDULE B

EXISTING DEVELOPMENT RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B
Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-03	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	1,248.0	\$50.00	\$62,400.00	
18-01	ST-06	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	59.3	\$51.00	\$3,024.30	
18-02	ST-06	Provide 12" PVC or RCP Class III Storm Sewer	LF	936.0	\$52.76	\$49,383.36	
18-11	ST-04	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	117.5	\$58.00	\$6,815.00	
18-11	ST-05	Provide 12" PVC or RCP (Class III) Storm Sewer (Natural Backfill)	LF	86.0	\$48.00	\$4,128.00	
18-11	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	24.0	\$58.00	\$1,392.00	
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	\$51.00	\$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	\$53.00	\$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	\$78.00	\$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	\$68.00	\$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	\$100.00	\$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	\$66.00	\$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	\$110.00	\$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	\$83.00	\$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	\$72.36	\$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	\$72.36	\$9,189.72	
Total				4286.1		\$261,855.66	
Average Cost Per Foot						\$61.09	

Schedule B
Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Lateral Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-08	Provide 6" Storm Sewer Lateral	LF	1,049.0	\$34.00	\$35,666.00	
18-02	ST-09	Provide 6" PVC Storm Sewer Lateral	LF	529.0	\$33.10	\$17,509.90	
18-07	ST-01	Provide 6" PVC Storm Sewer Lateral	LF	108.0	\$35.00	\$3,780.00	
18-11	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	3.0	\$51.00	\$153.00	
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	\$44.00	\$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	\$50.00	\$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	\$48.00	\$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	\$48.00	\$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	\$85.00	\$7,140.00	
Total				6680.6		\$292,489.10	Average length of lateral is based on a 60 foot right of way and several laterals being connected to inlets.
Average Cost Per Foot						\$43.78	
Average Cost per Lot at 30 Feet of Lateral (100% to Resident)						\$1,313.40	

Storm Wye Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-10	Provide 12"x6" Storm Branch or Inserta Tee	EA	28	\$165.00	\$4,620.00	
18-02	ST-11	Provide 30"x6" Storm Sewer Branch or Inserta Tee	EA	5	\$279.27	\$1,396.35	
18-02	ST-12	Provide 24"x6" Storm Sewer Branch or Inserta Tee	EA	5	\$306.03	\$1,530.15	
18-02	ST-13	Provide 21"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-14	Provide 18"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-15	Provide 15"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-16	Provide 12"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$309.06	\$618.12	
18-11	ST-08	Provide 12"x6" Storm Branch or Inserta Tee	EA	1	\$300.00	\$300.00	
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	\$80.00	\$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	\$70.00	\$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	\$250.00	\$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	\$200.00	\$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	\$200.00	\$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	\$200.00	\$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	\$100.00	\$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	\$200.00	\$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	\$200.00	\$400.00	
Total				188		\$25,605.96	
Average Cost Per Wye						\$136.20	

Schedule B
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City of De Pere
Date: 1/15/2021

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-13	Provide 4' Diameter Storm Manhole	VF	32.48	\$507.00	\$16,467.36	
18-01	ST-16	Remove and Replace 4' Diameter Storm Manhole	VF	5.20	\$450.00	\$2,340.00	
18-02	ST-18	Provide 4' Diameter Storm Manhole	VF	91.23	\$401.41	\$36,620.63	
18-11	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	3.80	\$435.00	\$1,653.00	
18-11	ST-10	Provide 4' Diameter Storm Manhole	VF	11.90	\$365.00	\$4,343.50	
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	\$690.00	\$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	\$600.00	\$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	\$450.00	\$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	\$450.00	\$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	\$450.00	\$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	\$415.00	\$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	\$415.00	\$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	\$600.00	\$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	\$523.62	\$3,518.73	
Total				347.13		\$168,310.22	
Cost Per Foot						\$484.86	
Cost for a 5 foot Deep Manhole						\$2,424.30	
Average Per Foot Cost with a 300 Foot Spacing						\$8.08	

SCHEDULE B

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B

2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 1/15/2021

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-04	Provide 18" PVC , RCP Class III, or PP Storm Sewer	LF	260.0	\$52.74	\$13,712.40	
19-01	ST-01	Remove and Relay 18" PVC or RCP (Class III) Storm Sewer	LF	25.0	\$65.00	\$1,625.00	
20-02	ST-03	Provide 18" PVC, RCP Class III, or PP Storm Sewer	LF	38.0	\$120.00	\$4,560.00	
20-07	ST-01	Remove and Relay 18-inch PVC, RCP (Class III), or PP Storm Sewer	LF	57.0	\$81.41	\$4,640.37	
Total				380.0		\$24,537.77	
Average Cost Per Foot						\$64.57	

Schedule B
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 1/15/2021

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-13	Provide 4' Diameter Storm Manhole	VF	32.48	\$507.00	\$16,467.36	
18-01	ST-16	Remove and Replace 4' Diameter Storm Manhole	VF	5.20	\$450.00	\$2,340.00	
18-02	ST-18	Provide 4' Diameter Storm Manhole	VF	91.23	\$401.41	\$36,620.63	
18-11	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	3.80	\$435.00	\$1,653.00	
18-11	ST-10	Provide 4' Diameter Storm Manhole	VF	11.90	\$365.00	\$4,343.50	
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	\$690.00	\$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	\$600.00	\$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	\$450.00	\$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	\$450.00	\$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	\$450.00	\$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	\$415.00	\$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	\$415.00	\$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	\$600.00	\$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	\$523.62	\$3,518.73	
Total				347.13		\$168,310.22	
Cost Per Vertical Foot						\$484.86	
Cost for a 5 foot Deep Manhole						\$2,424.30	
Average Per Foot Cost with a 300 Foot Spacing						\$8.08	

Schedule B
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Lateral Cost

Lateral 6"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-08	Provide 6" Storm Sewer Lateral	LF	1,049.0	\$34.00	\$35,666.00	
18-02	ST-09	Provide 6" PVC Storm Sewer Lateral	LF	529.0	\$33.10	\$17,509.90	
18-07	ST-01	Provide 6" PVC Storm Sewer Lateral	LF	108.0	\$35.00	\$3,780.00	
18-11	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	3.0	\$51.00	\$153.00	
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	\$44.00	\$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	\$50.00	\$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	\$48.00	\$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	\$48.00	\$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	\$85.00	\$7,140.00	
Total				6,680.6		\$292,489.10	
Average Cost Per Foot						\$43.78	Average length of lateral is based on a 70 foot right of way.
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						\$1,532.30	

Lateral 8"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-07	Provide 8" PVC Storm Sewer	LF	53.0	\$36.85	\$1,953.05	
18-02	ST-08	Provide 8" PVC Storm Sewer Lateral	LF	48.0	\$40.40	\$1,939.20	
19-01	ST-04	Provide 8" PVC Storm Sewer	LF	2,455.0	\$46.00	\$112,930.00	
20-01A	ST-05	Provide 8" PVC Storm Sewer	LF	773.0	\$55.00	\$42,512.80	
20-01B	ST-08	Provide 8" PVC Storm Sewer	LF	1,757.0	\$50.00	\$87,850.00	
20-02	ST-05	Provide 8" PVC Storm Sewer	LF	47.0	\$135.00	\$6,345.00	
20-02	ST-06	Provide 8" PVC Storm Sewer Lateral	LF	68.0	\$105.00	\$7,140.00	
Total				5,201.0		\$260,670.05	Average length of lateral is based on a 70 foot right of way.
Average Cost Per Foot						\$50.12	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						\$1,754.20	

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2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
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City of De Pere
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Lateral Cost

Lateral 12"

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18-01	ST-06	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	59.3	\$51.00	\$3,024.30	
18-02	ST-06	Provide 12" PVC or RCP Class III Storm Sewer	LF	936.0	\$52.76	\$49,383.36	
18-11	ST-04	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	117.5	\$58.00	\$6,815.00	
18-11	ST-05	Provide 12" PVC or RCP (Class III) Storm Sewer (Natural Backfill)	LF	86.0	\$48.00	\$4,128.00	
18-11	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	24.0	\$58.00	\$1,392.00	
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	\$51.00	\$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	\$53.00	\$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	\$78.00	\$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	\$68.00	\$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	\$100.00	\$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	\$66.00	\$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	\$110.00	\$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	\$83.00	\$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	\$72.36	\$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	\$72.36	\$9,189.72	
Total				4,286.1		\$261,855.66	
Average Cost Per Foot						\$61.09	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						\$2,138.15	Average length of lateral is based on a 70 foot right of way.

Schedule B
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Connection Cost

Storm Wye Cost (6")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-10	Provide 12"x6" Storm Branch or Inserta Tee	EA	28	\$165.00	\$4,620.00	
18-02	ST-11	Provide 30"x6" Storm Sewer Branch or Inserta Tee	EA	5	\$279.27	\$1,396.35	
18-02	ST-12	Provide 24"x6" Storm Sewer Branch or Inserta Tee	EA	5	\$306.03	\$1,530.15	
18-02	ST-13	Provide 21"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-14	Provide 18"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-15	Provide 15"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$291.89	\$583.78	
18-02	ST-16	Provide 12"x6" Storm Sewer Branch or Inserta Tee	EA	2	\$309.06	\$618.12	
18-11	ST-08	Provide 12"x6" Storm Branch or Inserta Tee	EA	1	\$300.00	\$300.00	
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	\$80.00	\$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	\$70.00	\$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	\$250.00	\$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	\$200.00	\$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	\$200.00	\$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	\$200.00	\$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	\$100.00	\$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	\$200.00	\$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	\$200.00	\$400.00	
Total				188		\$25,605.96	
Average Cost Per Wye						\$136.20	

Core Storm Tee Cost (8" & 12")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-10	Provide 30"x8" Storm Sewer Branch or Inserta Tee	EA	2	\$489.35	\$978.70	
20-06	ST-03	Core Drill Existing Main with NPC Kor-N-Tee	EA	1	\$1,860.00	\$1,860.00	
Total				3		\$2,838.70	
Average Cost Per Connection/Core						\$946.23	

SCHEDULE C

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule C
2021 Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Storm Mainline Cost

Item Description	Cost Per LF	Comment
12" Storm Sewer Main	\$61.09	
4' Diameter Storm Manhole	\$8.08	300 foot spacing with a 5' depth
Mainline Cost Per Street Foot	\$69.17	
Cost Per Side of Street	\$34.59	
Cost Per Lot	\$2,075.40	60 foot wide lot
Assessable Amount (20%)	\$415.08	Remaining 80% funded by Storm Water Utility
Engineering and Administration (20%)	\$83.02	
Total Mainline Costs	\$498.10	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	\$1,313.40	30 foot average length. Some laterals will be connected to inlets.
Storm Wye Cost	\$136.20	
Assessable Amount (100%)	\$1,449.60	
Engineering and Administration (20%)	\$289.92	
Total Lateral Costs	\$1,739.52	

Total Cost

Mainline	\$498.10
Storm Lateral	\$1,739.52
Total Cost	\$2,237.62

Schedule C
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to
Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Storm Mainline Cost

Item Description	Cost Per LF	Comment
18" Storm Sewer Main	\$64.57	300 foot spacing with a 5' depth
4' Diameter Storm Manhole	\$8.08	
Mainline Cost Per Street Foot	\$72.65	Remaining 80% funded by Storm Water Utility
Cost Per Side of Street	\$36.33	
Assessable Amount (20%)	\$7.27	
Engineering and Administration (20%)	\$1.45	
Total Mainline Cost Per Front Lot Foot	\$8.72	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	\$1,532.30	35 foot average length.
Storm Wye Cost	\$136.20	
Assessable Amount (100%)	\$1,668.50	
Engineering and Administration (20%)	\$333.70	
Total Lateral Costs	\$2,002.20	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
8" Storm Lateral	\$1,754.20	35 foot average length.
Storm Wye Cost (Core)	\$946.23	Average of cost to core pipe
Assessable Amount (100%)	\$2,700.43	
Engineering and Administration (20%)	\$540.09	
Total Lateral Costs	\$3,240.52	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
12" Storm Lateral	\$2,138.15	35 foot average length.
Storm Wye Cost (Core)	\$946.23	Average of cost to core pipe
Assessable Amount (100%)	\$3,084.38	
Engineering and Administration (20%)	\$616.88	
Total Lateral Costs	\$3,701.26	

SCHEDULE D

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS
PRELIMINARY ASSESSMENTS
TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS
LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD &
JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT		NON-RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	\$498.10	COST PER LINEAR FOOT - STORM MAIN:	\$8.72
COST PER UNIT - STORM LATERAL:	\$1,739.52	COST PER UNIT - 6" STORM LATERAL:	\$2,002.20
		COST PER UNIT - 8" STORM LATERAL:	\$3,240.52
		COST PER UNIT - 12" STORM LATERAL:	\$3,701.26

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT		STORM LATERAL ASSESSMENT		TOTAL ASSESSMENT	COMMENT
	UNIT	COST	UNIT	COST			
Project 21-01 Sewer and Water Relay and Street Resurfacing							
Cynthia M & Stephanie L Mostek 1026 Ridgeway Blvd De Pere, WI 54115	606 N Winnebago St ED-1435-14	1	\$498.10	1	\$1,739.52	\$2,237.62	
Michiels Bonnie J Survivor's Trust 607 N Winnebago St De Pere, WI 54115-3058	607 N Winnebago St ED-1435-3	1	\$498.10	1	\$1,739.52	\$2,237.62	
Kody & Morgan Sebo 612 Winnebago St De Pere, WI 54115	612 Winnebago St ED-1435-15	1	\$498.10	1	\$1,739.52	\$2,237.62	
Roberta R & Larry F Longlais 613 N Winnebago St De Pere, WI 54115-3058	613 N Winnebago St ED-1435-2	1	\$498.10	1	\$1,739.52	\$2,237.62	
Avery G Garcia, Etal 619 N. Winnebago St De Pere, WI 54115-3058	619 N Winnebago Street ED-1435-1	1	\$498.10	1	\$1,739.52	\$2,237.62	
Margaret A McGinn 625 N Winnebago St De Pere, WI 54115-3058	625 N Winnebago St ED-29-C	1	\$498.10	1	\$1,739.52	\$2,237.62	
Suzanne M & Thomas R Vandelist 631 N Winnebago St De Pere, WI 54115-3058	631 N Winnebago St ED-29-A	1	\$498.10	1	\$1,739.52	\$2,237.62	
Penny A Smith 637 N Winnebago St De Pere, WI 54115	637 N Winnebago St ED-29-B	0	\$0.00	1	\$1,739.52	\$1,739.52	
Jessica E & Jerame J Streichert 705 N Winnebago St De Pere, WI 54115-3060	705 N Winnebago St ED-26-4-3	0	\$0.00	0	\$0.00	\$0.00	
Smullen Michael J & Susan K Revocable Trust 706 N Winnebago St De Pere, WI 54115-3061	706 N Winnebago St ED-28	0	\$0.00	0	\$0.00	\$0.00	
Deborah L Thomson 711 N Winnebago St De Pere, WI 54115-3060	711 N Winnebago St ED-26-4-4	0	\$0.00	0	\$0.00	\$0.00	Has inlet across the street abutting the park.
							Existing 6" Storm Lateral and Storm Main on Winnebago St
							Existing 6" Storm Lateral and Storm Main on Winnebago St
							Existing 6" Storm Lateral and Storm Main on Winnebago St
Dwell Rental Properties LLC 3032 Autumn Leaves Ci Green Bay, WI 54313	1019 Fulton St ED-1435-4	0	\$0.00	1	\$1,739.52	\$1,739.52	Existing 12" Storm main on Fulton Street
Mostek Roberta L Revocable Trust 1026 Ridgeway Blvd De Pere, WI 54115-3051	1026 Ridgeway Blvd ED-26-4-1	0	\$0.00	0	\$0.00	\$0.00	Existing 8" Storm Lateral and Storm main on Ridgeway
Margaraet A Christ 1105 Fulton Street De Pere, WI 54115-3521	1105 Fulton Street ED-1435-13	0	\$0.00	1	\$1,739.52	\$1,739.52	Existing 12" Storm main on Fulton Street
Deborah L & Scott L Ruggles 1106 Ridgeway Blvd De Pere, WI 54115-3532	1106 Ridgeway Blvd ED-28-1	0	\$0.00	1	\$1,739.52	\$1,739.52	Existing 36" Storm main on Ridgeway Blvd.