

AGENDA
BOARD OF PUBLIC WORKS MEETING
Tuesday, June 30, 2020 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call
2. Approval of the Board of Public Works Minutes of February 25, 2020
3. Pay Request #3 - Jackson Park Alley Project
4. Resolution #20-09 Final Special Assessment Jackson Park Alley Project
5. Resolution #20-10 Final Special Assessment Chateau Dr & Hickory Ln Project
6. Review of Bids – 2020 Road and Utility Project – Hunters Road
7. Resolution #20-11 Preliminary Special Assessment 2020 Road and Utility Project – Hunters Road
8. Engineering Services for Phosphorus Compliance – Town & Country
9. Bielinski Homes Reimbursement Cedar Creek Water Main
10. Review of Quote for Final Surface of Cedar Creek Road
11. Review of Quotes for Well #3 Sand Issue
12. Update on STH 60 Path from Coffeetown to Eagle Drive
13. Discussion of Village Informational Signs
14. Director of Public Works Report
15. Citizens/Village Staff to address the Board

16. Adjourn

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT Minutes
Board of Public Works Meeting
Tuesday, February 25, 2020 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street

1. Call to Order and Roll Call

Chair Olson called the meeting to order at 7:00 p.m.

Members Present: Dan Leonard, Tr. Lippold, Tr. Malcolm and Gloria Teifke

Member Excused: Brian Heckendorf

Member Absent: Sarah Malchow

Staff Present: Brian Kober, John Walther and Jilline Dobratz

2. Approval of the Board of Public Works Minutes of January 28, 2020

Motion by Tr. Lippold, second by Tr. Malcolm to approve the Board of Public Works minutes of January 28, 2020.

Vote: 5 ayes, 0 nays. Motion carried.

3. Review of Engineering Services for Hunters Road Reconstruction Project

Brian Kober stated two bids were received from engineering firms to assist with street improvements for Hunters Road from Jackson Drive to Chateau Drive and Highland Road around the Stonewall Drive intersection. The firms were Cedar Corp and Gremmer & Associates. The low bid is from Cedar Corp for a cost of \$21,500.00 plus incidental costs (mileage, printing, etc.).

Motion by Chair Olson, seconded by Dan Leonard to recommend Budget & Finance and Village Board approve Engineering Services for Hunters Road Reconstruction Project to Cedar Corporation in the amount not to exceed \$21,500.00.

Vote: 5 ayes, 0 nays. Motion carried.

4. Extension of Sewer and Water to Serve TIF #7

Brian Kober explained the TIF #7 area. The plan is to extend Spruce Street east to Eagle Drive and extend Ridgeway Drive from STH 60 south to Spruce Street. We are working with WisDOT for the accesses associated with STH 60. A Traffic Impact Analysis study is being completed. The area will be served by sanitary sewer from extending the interceptor sewer along Eagle Drive. Water main will be looped by connecting existing water in Spruce St, STH 60, and Eagle Dr. The DNR has approved the Notice of Intent (NOI) and the Chapter 30 Permit. The DNR still must approve the adjustments to the flood plain, and then FEMA approval. The general permit for new culverts on Jackson Creek was approved by DNR and Army Corp.

Motion by Chair Olson, second by Tr. Lippold to recommend Village Board approve Extension of Sewer and Water to Serve TIF #7.

Vote: 5 ayes, 0 nays. Motion carried.

5. Engineering Services for Phosphorus Compliance – Town & Country

Brian Kober gave background information. In 2018 an operational evaluation report was completed. The second year required source reduction to identify alternates and a status report. This year requires the Village to complete an evaluation to determine

which compliance options maybe be selected. The Total Daily Maximum Loading is still being adjusted and it's not being enforced. Adaptive management can be done or trading with other customers. In the next year, we would be looking to see if it can be done ourselves. The fourth year requires a final compliance alternative plan determining the selected compliance option. Brian Kober will contact the DNR and report back on the next step. We have time to comply and there are other options.

Motion by Chair Olson, second by Dan Leonard to refer Engineering Services for Phosphorus Compliance – Town & Country to the next Board of Public Works meeting.
Vote: 5 ayes, 0 nays. Motion carried.

6. Review of Quotes for new Jackson Sewer Utility RTV Service Vehicle

Brian Kober commented on the memo from Jeff Deitsch, Utility Superintendent, regarding a diesel RTV instead of a gas RTV.

Motion by Tr. Lippold, second by Chair Olson to recommend Budget & Finance and Village Board approve the purchase of an RTV Vehicle from John P. Lochen Co., in the amount of \$17,900.00.

Vote: 5 ayes, 0 nays. Motion carried.

7. Discussion of Village Informational Signs

Brian Kober informed the Board that the Department of Transportation has not responded to Village's request for informational signs.

Motion by Chair Olson, second by Tr. Lippold to refer Discussion of Village Informational Signs to the next Board of Public Works meeting.

Vote: 5 ayes, 0 nays. Motion carried.

8. Director of Public Works Report

Brian Kober gave the report. The preconstruction meeting for the Municipal Complex was held today. Maplewood Farms has a very wet sub-soil and the Developer will be contracting to put in monitoring wells to figure out the level of the ground water. The study might take months. Once a report is completed, then a plan for development will be discussed.

Motion by Tr. Lippold, second by Tr. Malcom to place the Director of Public Works Report on file.

Vote: 5 ayes, 0 nays. Motion carried.

9. Citizens/Village Staff to Address the Board

None.

10. Adjourn.

Motion by Dan Leonard, second by Tr. Malcolm to adjourn.

Vote: 5 ayes, 0 nays. Meeting was adjourned 7:43 p.m.

Respectfully submitted,

Jilline Dobratz, *CMC/WCMC*
Village Clerk

Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works
Subject: Pay Request #3 – 2019 Jackson Park Alley Project
Date: June 26, 2020
CC: Village Board

Pay Request #3 for 2019 Improvements Sherman Road Drainage & Jackson Park West Parking Lot and Cul-De-Sac Project No. 190605 per Gremmer & Associates plan and specifications.

The following is a breakdown for the pay request. The payment will be made to the prime contractor: Payne & Dolan, N173 W21120 Northwest Passage, Jackson WI 53037:

1)	Sherman Road Drainage	\$ 4,757.87
2)	Jackson Park West Parking Lot	\$51,957.25
3)	Jackson Park Cul-de sac	\$28,322.20
	Pay Request #3 Total	\$85,037.32

If you have any questions, please let me know.

Brian W. Kober, P.E.

Gremmer and Associates, Inc.

93 S. Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720
fax (920)924-5725

Payne & Dolan, Inc.- Prime Contractor

Village of Jackson - Sherman Road Drainage

Village of Jackson - Sherman Road Drainage						Previous Estimates		Estimate #3		Cumulative Totals		% Complete	
Item No.	Description	Units	Estimated Quantity	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total		
100-02	Removing Curb & Gutter	LF	60	\$ 6.06	\$363.60	73.00	\$442.38		\$0.00	73.00	\$442.38	121.7%	
100-03	Removing Concrete Sidewalk	SY	15	\$ 10.10	\$151.50	23.00	\$232.30		\$0.00	23.00	\$232.30	153.3%	
100-04	Excavation Common	CY	80	\$ 60.00	\$4,800.00	80.00	\$4,800.00		\$0.00	80.00	\$4,800.00	100.0%	
100-05	Base Aggregate Dense 3/4-Inch	TON	5	\$ 19.83	\$99.15		\$0.00		\$0.00	0.00	\$0.00	0.0%	
100-06	Base Aggregate Dense 1 1/4-Inch	TON	70	\$ 19.83	\$1,388.10	70.00	\$1,388.10		\$0.00	70.00	\$1,388.10	100.0%	
100-10	Asphaltic Surface	TON	130	\$ 112.61	\$14,639.30	141.90	\$15,979.36		\$0.00	141.90	\$15,979.36	109.2%	
100-12	Concrete Curb & Gutter 24-Inch Type D	LF	60	\$ 65.00	\$3,900.00	74.00	\$4,810.00		\$0.00	74.00	\$4,810.00	123.3%	
100-13	Concrete Sidewalk 4-Inch	SF	100	\$ 21.25	\$2,125.00	270.00	\$5,737.50		\$0.00	270.00	\$5,737.50	270.0%	
100-14	Concrete Sidewalk 6-Inch	SF	45	\$ 21.25	\$956.25	46.00	\$977.50		\$0.00	46.00	\$977.50	102.2%	
100-15	Lawn Restoration	SY	485	\$ 8.32	\$4,035.20	27.00	\$224.64	645.00	\$5,366.40	672.00	\$5,591.04	138.6%	
100-15a	Straw EMAT	SY	400	\$ 0.65	\$260.00		\$0.00	263.00	\$170.95	263.00	\$170.95	65.8%	
100-17	Inlet Protection Type A	EACH	1	\$ 176.77	\$176.77		\$0.00		\$0.00	0.00	\$0.00	0.0%	
100-18	Inlet Protection Type C	EACH	2	\$ 75.76	\$151.52	1.00	\$75.76		\$0.00	1.00	\$75.76	50.0%	
100-19	Temporary Ditch Checks	LF	12	\$ 25.25	\$303.00	20.00	\$505.00		\$0.00	20.00	\$505.00	166.7%	
100-20	Traffic Control	LS	1	\$ 4,000.00	\$4,000.00	0.75	\$3,000.00	0.25	\$1,000.00	1.00	\$4,000.00	100.0%	
100-23	Sawing Asphalt & Concrete	LF	300	\$ 2.00	\$600.00	309.00	\$618.00		\$0.00	309.00	\$618.00	103.0%	
200-01	Connect to Existing Storm Sewer Structure	EACH	1	\$ 1,010.10	\$1,010.10	1.00	\$1,010.10		\$0.00	1.00	\$1,010.10	100.0%	
200-02	Adjust Inlet Casting	EACH	1	\$ 303.03	\$303.03	1.00	\$303.03		\$0.00	1.00	\$303.03	100.0%	
200-03	Storm Manhole 4-FT Diameter w/ Casting	EACH	2	\$ 3,139.40	\$6,278.80	2.00	\$6,278.80		\$0.00	2.00	\$6,278.80	100.0%	
200-04	Storm Inlet Median 1 Grate w/ Casting	EACH	1	\$ 2,792.63	\$2,792.63	1.00	\$2,792.63		\$0.00	1.00	\$2,792.63	100.0%	
200-05	Storm Sewer Pipe Class III-B 12-Inch	LF	223	\$ 70.18	\$15,650.14	220.20	\$15,453.64		\$0.00	220.20	\$15,453.64	98.7%	
					SUBTOTAL	\$63,984.09		\$64,628.74		\$6,537.35		\$71,166.09	111%



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Work completed, previous estimates	\$64,628.74
Work completed, this estimate	\$6,537.35
Total work completed	\$71,166.09
Retainage, this estimate	\$1,779.48
Total Retainage, previous estimates	\$1,778.83
Total Retainage, final	\$3,558.30
Amount due to contractor, this estimate	\$4,757.87

Gremmer and Associates, Inc.

93 S. Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720
fax (920)924-5725

Payne & Dolan, Inc.- Prime Contractor

Village of Jackson - Jackson Park West Parking Lot

Village of Jackson - Jackson Park West Parking Lot						Previous Estimates		Estimate #3		Cumulative Totals		% Complete	
Item No.	Description	Units	Estimated Quantity	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total		
100-04	Excavation Common	CY	150	\$ 30.00	\$4,500.00	150.00	\$4,500.00		\$0.00	150.00	\$4,500.00	100.0%	
100-07	Pulverize and Relay	SY	2020	\$ 9.53	\$19,250.60	1515.00	\$14,437.95	750.00	\$7,147.50	2,265.00	\$21,585.45	112.1%	
100-07a	Install Pulverized Base	TON	290	\$ 10.00	\$2,900.00	290.00	\$2,900.00		\$0.00	290.00	\$2,900.00	100.0%	
100-10	Asphaltic Surface	TON	445	\$ 87.06	\$38,741.70		\$0.00	466.50	\$40,613.49	466.50	\$40,613.49	104.8%	
100-21	Pavement Marking 4-Inch	LF	1295	\$ 5.05	\$6,539.75		\$0.00	1,297.00	\$6,549.85	1,297.00	\$6,549.85	100.2%	
100-22	Pavement Marking Handicap Symbol	EACH	1	\$ 295.00	\$295.00		\$0.00	1.00	\$295.00	1.00	\$295.00	100.0%	
100-23	Sawing Asphalt & Concrete	LF	265	\$ 2.00	\$530.00	263.00	\$526.00	43.00	\$86.00	306.00	\$612.00	115.5%	
					SUBTOTAL	\$72,757.05		\$22,363.95		\$54,691.84		\$77,055.79	106%



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Work completed, previous estimates	\$22,363.95
Work completed, this estimate	\$54,691.84
Total work completed	\$77,055.79
Retainage, this estimate	\$2,734.59
Total Retainage, previous estimates	\$1,118.20
Total Retainage, final	\$3,852.79
Amount due to contractor, this estimate	\$51,957.25

Gremmer and Associates, Inc.

93 S. Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720
fax (920)924-5725

Payne & Dolan, Inc.- Prime Contractor

Village of Jackson - Jackson Park Cul-De-Sac

Village of Jackson - Jackson Park Cul-De-Sac						Previous Estimates		Estimate #3		Cumulative Totals		% Complete	
Item No.	Description	Units	Estimated Quantity	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total		
100-01	Clearing and Grubbing	LS	1	\$ 3,030.30	\$3,030.30	1.00	\$3,030.30		\$0.00	1.00	\$3,030.30	100.0%	
100-02	Removing Curb & Gutter	LF	85	\$ 6.06	\$515.10	88.00	\$533.28		\$0.00	88.00	\$533.28	103.5%	
100-04	Excavation Common	CY	1095	\$ 24.94	\$27,309.30	1389.00	\$34,641.66		\$0.00	1,389.00	\$34,641.66	126.8%	
100-05	Base Aggregate Dense 3/4-Inch	TON	45	\$ 18.31	\$823.95		\$0.00		\$0.00	0.00	\$0.00	0.0%	
100-06	Base Aggregate Dense 1 1/4-Inch	TON	985	\$ 15.28	\$15,050.80	1451.00	\$22,171.28		\$0.00	1,451.00	\$22,171.28	147.3%	
100-07	Breaker Run 3-Inch	TON	706	\$ 22.00	\$15,532.00	706.00	\$15,532.00		\$0.00	706.00	\$15,532.00	100.0%	
100-08	Concrete Driveway 6-Inch	SY	115	\$ 58.50	\$6,727.50	79.00	\$4,621.50		\$0.00	79.00	\$4,621.50	68.7%	
100-09	Concrete Surface Drain	CY	1	\$ 300.00	\$300.00	1.00	\$300.00		\$0.00	1.00	\$300.00	100.0%	
100-10	Asphaltic Surface	TON	435	\$ 89.00	\$38,715.00	260.00	\$23,140.00	198.50	\$17,666.50	458.50	\$40,806.50	105.4%	
100-11	Concrete Curb & Gutter 18-Inch Type D	LF	700	\$ 26.20	\$18,340.00	731.00	\$19,152.20		\$0.00	731.00	\$19,152.20	104.4%	
100-15	Lawn Restoration	SY	1160	\$ 8.32	\$9,651.20	116.00	\$965.12	1,476.00	\$12,280.32	1,592.00	\$13,245.44	137.2%	
100-15a	Straw EMAT	SY	600	\$ 0.65	\$390.00		\$0.00	532.00	\$345.80	532.00	\$345.80	88.7%	
100-16	Silt Fence	LF	385	\$ 3.03	\$1,166.55	387.00	\$1,172.61		\$0.00	387.00	\$1,172.61	100.5%	
100-19	Temporary Ditch Checks	LF	25	\$ 25.25	\$631.25	21.00	\$530.25		\$0.00	21.00	\$530.25	84.0%	
100-20	Traffic Control	LS	1	\$ 3,999.91	\$3,999.91	0.75	\$2,999.93	0.25	\$999.98	1.00	\$3,999.91	100.0%	
100-23	Sawing Asphalt & Concrete	LF	45	\$ 9.00	\$405.00	43.00	\$387.00		\$0.00	43.00	\$387.00	95.6%	
					SUBTOTAL	\$142,587.86		\$129,177.13		\$31,292.60		\$160,469.73	113%



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Work completed, previous estimates	\$129,177.13
Work completed, this estimate	\$31,292.60
Total work completed	\$160,469.73
Retainage, this estimate	\$2,970.39
Total Retainage, previous estimates	\$5,053.09
Total Retainage, final	\$8,023.49
Amount due to contractor, this estimate	\$28,322.20

RESOLUTION #20-09

FINAL RESOLUTION AUTHORIZING THE LEVY OF SPECIAL ASSESSMENTS AGAINST BENEFITED PROPERTY ASSOCIATED WITH JACKSON PARK ALLEY PROJECT 2019

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin, on the 10th day of September, 2019, adopted a Preliminary Resolution declaring it's intention to levy special assessments pursuant to Section 66.0703, Wisconsin Statutes upon the property benefited by the construction and reconstruction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks.

WHEREAS the governing body held a public hearing at the Jackson Village Hall, located at N168 W20733 Main Street at 7:30 p.m. on the 14th day of July 2020 for the purpose of hearing all interested persons who desired to speak concerning the project's improvements and assessments, and

WHEREAS the governing body has examined the report relating to the improvements and assessments (contained therein) and has considered the statements of those persons appearing at the public hearing,

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin, as follows:

1. The report pertaining to the construction of the above-described public improvements, including plans and specifications, therefore, is adopted and approved.
2. The improvements were carried out in accordance with such report, and payment for assessing the cost to the property shall make the improvements, benefited those properties as indicated in the report.
3. The assessments shown on the report represent an exercise of police power, have been determined and completed on a reasonable basis, and are hereby confirmed. The total amount assessed is \$28,527.50. The amount assessed against each of the affected properties is enumerated in the Assessment Report contained herein.
4. The assessments for all projects included in the report, are hereby combined as a single assessment, but any interested property owner may object to each assessment separately or to all of the assessments jointly, for any purpose.
5. The property owners may, at their option, pay the assessment to the Treasurer of the Village of Jackson, in one single total payment, or have the amount added as a Special Assessment to their annual property tax statement for the tax year 2020.

6. The Village Clerk shall publish this Resolution as a Class 1 notice, an Installment Assessment Notice, in accordance with Section 66.0703, Wisconsin Statutes.
7. The Village Treasurer shall mail to every interested person whose post office address is known or can with reasonable diligence be ascertained, including each property owner whose name appears on the property tax roll, a copy of this resolution, an invoice for the final assessment against the benefited property, and a contract agreement form in which the interested party shall elect their option of payment for such assessment, sign, and return to the Village Treasurer.

Introduced by: _____

Seconded by: _____

Vote: _____ Aye _____ Nay

Passed and Approved: _____

Michael E. Schwab – Village President

Attest: _____
Jilline S. Dobratz – Village Clerk-Treasurer

Proof of Posting:

I the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.

Village Official

Date

Village of Jackson
Jackson Park Alley Project 2019
Reconstruction of Jackson Park Alley from West End to Jackson Truck Body Property
FINAL Property Assessment
January 22, 2020

Title	First Name	Last Name	City	State	ZIP Code	Physical Address	Mailing Address	Tax Key No	Phone Number	Email Address	Onsite Inspection Completed	Linear Frontage	Cost of Installation per Unit Price (\$/L.F.)	Estimated Asphalt & Curb & Gutter Cost (L.F.)	Total Assessment Amount
	Kimberly Gonzalez	Thomas Simonsen	Jackson	WI	53037	N168 W20716 Main Street	N168 W20716 Main Street	V3 0038				0.00	\$102.66	\$0.00	\$0.00
	Thomas	Simonsen	Jackson	WI	53037	N168 W20702 Main Street	N168 N20702 Main Street	V3 0037				0.00	\$102.66	\$0.00	\$0.00
Walter Miller Family Investment Properties LLC			Cedarburg	WI	53012	N168 W20686 Main Street	3870 Country Aire Drive	V3 0036				55.89	\$102.66	\$5,737.53	\$5,737.53
Walter Miller Family Investment Properties LLC			Jackson	WI	53037	N168 N20666 Main Street	N168 W20666 Main Street	V3 0035				75.00	\$102.66	\$7,699.31	\$7,699.31
Jackson Truck Body Inc.			Jackson	WI	53037	N168 W20640 Main Street	N168 W20640 Main Street	V3 0034				147.00	\$102.66	\$15,090.66	\$15,090.66
Totals												277.89		\$28,527.50	\$28,527.50

\$13,436.84

Item No.	Item Description	Units	Feet	Unit Price	Total	Total Frontage	Cost per foot
100-10	Asphaltic Surface	Ton	435	\$89.00	\$38,715.00	555.78	\$102.66
100-11	Concrete Curb & Gutter	LF	700	\$26.20	\$18,340.00		
					\$57,055.00		

RESOLUTION #20-10

FINAL RESOLUTION AUTHORIZING THE LEVY OF SPECIAL ASSESSMENTS AGAINST BENEFITED PROPERTY ASSOCIATED WITH CHATEAU DRIVE AND HICKORY LANE PROJECT 2019

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin, on the 13th day of August, 2019, adopted a Preliminary Resolution declaring its intention to levy special assessments pursuant to Section 66.0703, Wisconsin Statutes upon the property benefited by the construction and reconstruction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks.

WHEREAS the governing body held a public hearing at the Jackson Village Hall, located at N168 W20733 Main Street at 7:30 p.m. on the 14th day of July 2020 for the purpose of hearing all interested persons who desired to speak concerning the project's improvements and assessments, and

WHEREAS the governing body has examined the report relating to the improvements and assessments (contained therein) and has considered the statements of those persons appearing at the public hearing,

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin, as follows:

1. The report pertaining to the construction of the above-described public improvements, including plans and specifications, therefore, is adopted and approved.
2. The improvements were carried out in accordance with such report, and payment for assessing the cost to the property shall make the improvements, benefited those properties as indicated in the report.
3. The assessments shown on the report represent an exercise of police power, have been determined and completed on a reasonable basis, and are hereby confirmed. The total amount assessed is \$58,067.83. The amount assessed against each of the affected properties is enumerated in the Assessment Report contained herein.
4. The assessments for all projects included in the report, are hereby combined as a single assessment, but any interested property owner may object to each assessment separately or to all of the assessments jointly, for any purpose.
5. The property owners may, at their option, pay the assessment to the Treasurer of the Village of Jackson, in one single total payment, or have the amount added as a Special Assessment to their annual property tax statement for the tax year 2020.

6. The Village Clerk shall publish this Resolution as a Class 1 notice, an Installment Assessment Notice, in accordance with Section 66.0703, Wisconsin Statutes.
7. The Village Treasurer shall mail to every interested person whose post office address is known or can with reasonable diligence be ascertained, including each property owner whose name appears on the property tax roll, a copy of this resolution, an invoice for the final assessment against the benefited property, and a contract agreement form in which the interested party shall elect their option of payment for such assessment, sign, and return to the Village Treasurer.

Introduced by: _____

Seconded by: _____

Vote: _____ Aye _____ Nay

Passed and Approved: _____

Michael E. Schwab – Village President

Attest: _____
Jilline S. Dobratz – Village Clerk-Treasurer

Proof of Posting:

I the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.

Village Official

Date

Village of Jackson
Chateau Drive Reconstruction Project 2019
Reconstruction of Chateau Drive from Wilshire Drive to Hunters Road
FINAL Property Assessment
June 26, 2020

Title	First Name	Last Name	City	State	ZIP Code	Physical Address	Mailing Address	Tax Key No	Phone Number	Email Address	Onsite Inspection Completed	Linear Frontage	Estimated Sidewalk Installed (S.F.)	Sidewalk Installation Unit Price (\$/S.F.)	Estimated Sidewalk Cost (S.F.)	Storm Sewer Lateral Cost	Total Assessment Amount
Mr.	Pete	Zimmerman	Jackson	WI	53037	N170 W20010 Hunters Road	N170 W20010 Hunters Road	V3 0467 036	414-588-1583	bozo7464@sbcglobal.net			0.00		\$0.00		\$0.00
Mr. & Mrs.	Michael & Roberta	Paquette	Jackson	WI	53037	W200 N17034 Chateau Drive	W200 N17034 Chateau Drive	V3 0467 021	Home 262-677-3857 Cell 262-339-3920	rpauquette02@gmail.com		47.00	47.00		\$0.00		\$0.00
Mr. & Mrs.	Ryan & Connie	Hansen	Jackson	WI	53037	W200 N17020 Chateau Drive	W200 N17020 Chateau Drive	V3 0467 022				80.23	80.23	\$8.37	\$671.53	\$3,000.00	\$3,671.53
Mr. & Mrs.	Robin & Dorothy	Kendler	Jackson	WI	53037	W200 N17010 Chateau Drive	W200 N17010 Chateau Drive	V3 0467 023	262-677-4751	dotrobker@hotmail.com		80.24	80.24	\$8.37	\$671.61	\$3,000.00	\$3,671.61
Mr. & Mrs.	Douglas & Laurel	Alfke	Jackson	WI	53037	W201 N16998 Chateau Drive	W201 N16998 Chateau Drive	V3 0013 040	262-323-6020	cw4dug@gmail.com		71.84	71.84	\$8.37	\$601.30	\$3,000.00	\$3,601.30
Mr. & Mrs.	David & Karen	Blanchette	Jackson	WI	53037	W201 N16986 Chateau Drive	W201 N16986 Chateau Drive	V3 0013 041	262-677-2158	dblanch@charter.net		73.37	73.37	\$8.37	\$614.11	\$3,000.00	\$3,614.11
Mr. & Mrs.	Anthony & Elizabeth	Ciske	Jackson	WI	53037	W201 N16976 Chateau Drive	W201 N16976 Chateau Drive	V3 0013 042	414-313-6714	anthony.ciske@gmail.com		75.86	75.86	\$8.37	\$634.95	\$3,000.00	\$3,634.95
	Shawn Teska	Tonia Ulick	Jackson	WI	53037	W201 N16962 Chateau Drive	W201 N16962 Chateau Drive	V3 0013 043	262-305-9392	tskidsurus@gmail.com		85.56	85.56	\$8.37	\$716.14	\$3,000.00	\$3,716.14
Mr.	Ryan	Justman	Jackson	WI	53037	W201 N16934-36 Wilshire Drive	W201 N16936 Wilshire Dive	V3 0009 015 000			Corner Lot 50% off sidewalk	126.84	126.84	\$8.37	\$1,061.65	\$0.00	\$530.83
Mr. & Mrs.	Fred & Gail	Gauger	Jackson	WI	53037	N169 W20142 Wilshire Drive	N169 W20142 Wilshire Drive	V3 0013 036			Corner Lot 50% off sidewalk	106.00	106.00	\$8.37	\$887.22	\$0.00	\$443.61
Mr. & Mrs.	Randall & Sherry	Watts	Jackson	WI	53037	W201 N16971 Chateau Drive	W201 N16971 Chateau Drive	V3 0013 037	Randy 262-573-3046 Sherry 262-674-1357	waddles3@charter.net		92.03	92.03	\$8.37	\$770.29	\$3,000.00	\$3,770.29
Mr.	William	Schwefel	Jackson	WI	53037	W201 N16983 Chateau Drive	W201 N16983 Chateau Drive	V3 0013 038	262-388-7104	schwefelw@yahoo.com		80.00	80.00	\$8.37	\$669.60	\$3,000.00	\$3,669.60
	Beau Flitter	Jessica Reible	Jackson	WI	53037	W201 N16995 Chateau Drive	W201 N16995 Chateau Drive	V3 0013 39	414-313-9739	bflitter21@gmail.com		89.00	89.00	\$8.37	\$744.93	\$3,000.00	\$3,744.93
Mr. & Mrs.	Joshua & Marissa	Loomis	Jackson	WI	53037	N170 W20015 Hunters Road	N170 W20015 Hunters Road	V3 0467 024				125.41	125.41	\$8.37	\$1,049.68	\$3,000.00	\$4,049.68
Totals												1133.38			\$9,093.00	\$30,000.00	\$38,118.57

	Feet	Unit Price	Total	Number of	Cost per
Storm Sewer Lateral Pipe	722	\$77.50	\$55,955.00	10	\$5,595.50
Jackson Sewer Utility subsidizing Storm sewer Improvements			(\$25,000.00)		
			\$30,955.00	10	\$3,095.50 \$3,000.00

Village of Jackson
Hickory Lane Reconstruction Project 2019
Reconstruction of Hickory lane from Forest View Drive to Heather Drive
Final Property Assessment
August 20, 2019

Title	First Name	Last Name	City	State	ZIP Code	Physical Address	Mailing Address	Tax Key No	Phone Number	Email Address	Onsite Inspection Completed	Linear Frontage	Estimated Sidewalk Installed (S.F.)	Sidewalk Installation Unit Price (\$/S.F.)	Estimated Sidewalk Cost (S.F.)	Storm Sewer Lateral Cost	Total Assessment Amount
Mr. & Mrs.	Vicent & Deanna	Jablonski	Jackson	WI	53037	N161 W19504 Forest View Dr	N161 W19504 Forest View Dr	V3 0205 009					0.00		\$0.00		\$0.00
Mr. & Mrs.	Jeremy & Patricia	Kirst	Jackson	WI	53037	W194 N16180 Hickory Lane	W194 N16180 Hickory Lane	V3 0205 014				135.66	135.66	\$8.37	\$1,135.47	\$0.00	\$1,135.47
Ms.	Lori	Loduha	Jackson	WI	53037	W194 N16156 Hickory Lane	W194 N16156 Hickory Lane	V3 0205 015	262-305-5516	loriloduha@yahoo.com		135.65	135.65	\$8.37	\$1,135.39	\$3,000.00	\$4,135.39
Mr. & Mrs.	Raymond & Meladee	Pick	Jackson	WI	53037	N161 W19503 Heather Drive	N161 W19503 Heather Drive	V3 0205 024	262-677-4454	meladee25ray@aol.com		0.00	0.00	\$8.37	\$0.00	\$0.00	\$0.00
	Joshua Adams	Gabrielle Flowers	Jackson	WI	53037	W194 N16131 Hickory Lane	W194 N16131 Hickory Lane	V3 0205 044				0.00	0.00	\$8.37	\$0.00	\$0.00	\$0.00
Mr.	Paul	Comte	Jackson	WI	53037	W194 N16143 Hickory Lane	W194 N16143 Hickory Lane	V3 0205 043				60.00	60.00	\$8.37	\$502.20	\$3,000.00	\$3,502.20
Ms.	Christine	Jordan	Jackson	WI	53037	W194 N16155 Hickory Lane	W194 N16155 Hickory Lane	V3 0205 042				80.00	80.00	\$8.37	\$669.60	\$3,000.00	\$3,669.60
Mr. & Mrs.	Scott & Cheryl	Karau	Jackson	WI	53037	W194 N16167 Hickory Lane	W194 N16167 Hickory Lane	V3 0205 041				80.00	80.00	\$8.37	\$669.60	\$3,000.00	\$3,669.60
Mr. & Mrs.	Mark & Mary	Spellman	Jackson	WI	53037	N161 W19443 Stonehedge Drive	N161 W19443 Stonehedge Drive	V3 0205 040	262-677-1658	mspell161@gmail.com		100.00	100.00	\$8.37	\$837.00	\$3,000.00	\$3,837.00
Totals												591.31			\$4,949.26	\$15,000.00	\$19,949.26

	Feet	Unit Price	Total	Number of Laterals	Cost per lateral	
Storm Sewer Lateral Pipe	332	\$77.50	\$25,730.00	5	\$5,146.00	
Jackson Sewer Utility subsidizing Storm sewer Improvements			(\$10,500.00)			
			\$15,230.00	5	\$3,046.00	\$3,000.00

Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works 
Subject: 2020 Hunters Road Reconstruction Project
Date: June 26, 2020

Fours bids were received for the 2020 Road and Utility Project which is the reconstruction of Hunters Road from Jackson Drive to Chateau Drive and Chateau Drive from Hunters Road to Willow Ridge Road.

The Engineer's Estimate for project is \$718,556.00, and total bid is \$458,548.12 which is \$260,007.88 under the amount. Wondra Construction is also the contractor for Spruce Street and Ridgeway Road extension project.

The 2020 Road and Utility Project (Hunters Rd Reconstruction Project) is a LRIP (Local Road Improvement Project) which will receive \$41,530.94 in funding from WisDOT.

If you have any questions, please let me know.

Brian W. Kober, P.E.

STANDARD FORM OF
BID ANALYSIS

WHEREAS the Village of Jackson (hereinafter referred to as the OWNER) has received bids on the 23rd day of June 2020 for the 2020 Road and Utility Project, Contract C-20, (hereinafter referred to as the Project); and

WHEREAS Cedar Corporation (hereinafter referred to as ENGINEER) has been retained by the OWNER to prepare bid tabulations, analyze bid results, and consult with the OWNER on the award of contracts.

The ENGINEER hereby consults as follows:

1. Bids were received from 4 bidders. Bids ranged from a low of \$458,548.12 to a high of \$667,716.50. A summary of the bid tabulation is attached.
2. Based upon ENGINEER's analysis of the bids received on the above PROJECT the responsive low bidder is:

Wondra Construction, Inc.
W2874 Graylog Road
Iron Ridge, WI 53035

Bid Amount: \$458,548.12

3. It is understood that by this analysis, that the ENGINEER does not guarantee the Contractor's performance which is covered by the Contractor's bond, but it is a statement by the ENGINEER that the ENGINEER has no information which would lead the ENGINEER to believe that the Contractor does not have the necessary equipment and personnel to complete the PROJECT in compliance with the drawings and specifications within reasonable tolerances generally accepted in the trade.
4. It is further understood that this analysis is not a representation that the ENGINEER has reviewed the proposal for possible legal irregularities which should be a function of the OWNER'S legal counsel, and at the option of the OWNER.
5. It is further understood that in the event that OWNER feels that the Contract should be awarded on some basis other than price, the OWNER should defer further action on this PROJECT until a thorough legal review can be made by OWNER'S legal counsel.

Cedar Corporation



Submitted by: Ron Dalton, P.E.

Date: June 23, 2020



BID TABULATION

2020 ROAD AND UTILITY PROJECT, CONTRACT C-20
VILLAGE OF JACKSON
WASHINGTON COUNTY, WI

BID DATE - June 23, 2020

PROJECT NAME: 2020 Road and Utility Project				Wondra Construction, Inc. W2874 Graylog Road Iron Ridge, WI 53035		Ptaschinski Construction, Inc. W7352 State Hwy 33 Beaver Dam, WI 53916		Vinton Construction, Inc. 1322 33rd Street Two Rivers, WI 54241		Soper Grading & Excavating, LLC. 139 E Packer Avenue Oshkosh, WI 54901	
PROJECT NO: Contract C-20											
ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	COMMON EXCAVATION, INCLUDING ASPHALT PAVEMENT REMOVAL	C.Y.	2,600	\$10.75	\$27,950.00	\$16.00	\$41,600.00	\$19.70	\$51,220.00	\$30.00	\$78,000.00
2	SAW CUTTING ASPHALT ROADWAY	L.F.	263	\$2.50	\$657.50	\$1.50	\$394.50	\$4.00	\$1,052.00	\$5.00	\$1,315.00
3	SANITARY MANHOLE CHIMNEY & CASTING REPLACEMENT	EACH	3	\$880.00	\$2,640.00	\$1,000.00	\$3,000.00	\$1,180.00	\$3,540.00	\$1,500.00	\$4,500.00
4	VALVE BOX REPLACEMENT	EACH	4	\$600.00	\$2,400.00	\$200.00	\$800.00	\$420.00	\$1,680.00	\$250.00	\$1,000.00
5	6" SANITARY LATERAL	L.F.	10	\$67.00	\$670.00	\$200.00	\$2,000.00	\$321.00	\$3,210.00	\$600.00	\$6,000.00
6	48" STORM MANHOLE	EACH	1	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$2,635.00	\$2,635.00	\$4,700.00	\$4,700.00
7	36" RCP STORM SEWER WITH PAVEMENT REPLACEMENT	L.F.	185	\$105.65	\$19,545.25	\$146.00	\$27,010.00	\$167.00	\$30,895.00	\$260.00	\$48,100.00
8	60" DIA. STORM SEWER INLET MANHOLE REPLACEMENT	EACH	1	\$3,360.00	\$3,360.00	\$3,000.00	\$3,000.00	\$4,256.00	\$4,256.00	\$6,400.00	\$6,400.00
9	96" DIA. STORM SEWER INLET MANHOLE REPLACEMENT	EACH	1	\$7,110.00	\$7,110.00	\$7,500.00	\$7,500.00	\$6,656.00	\$6,656.00	\$11,500.00	\$11,500.00
10	36" FLARED END SECTION	EACH	1	\$1,300.00	\$1,300.00	\$3,000.00	\$3,000.00	\$1,405.00	\$1,405.00	\$2,250.00	\$2,250.00
11	12" DIA. RCP STORM SEWER	L.F.	69	\$44.60	\$3,077.40	\$70.00	\$4,830.00	\$78.30	\$5,402.70	\$100.00	\$6,900.00
12	4" DIA. STORM LATERAL (22 UNITS)	L.F.	1,515	\$31.35	\$47,495.25	\$28.00	\$42,420.00	\$55.75	\$84,461.25	\$60.00	\$90,900.00
13	MEDIUM RIP RAP	C.Y.	7	\$86.15	\$603.05	\$200.00	\$1,400.00	\$110.00	\$770.00	\$150.00	\$1,050.00
14	REMOVE CONCRETE SIDEWALK	S.F.	10,393	\$0.26	\$2,702.18	\$0.60	\$6,235.80	\$0.50	\$5,196.50	\$1.00	\$10,393.00
15	4" CONCRETE SIDEWALK	S.F.	11,262	\$5.00	\$56,310.00	\$5.00	\$56,310.00	\$5.40	\$60,814.80	\$5.75	\$64,756.50
16	REMOVE CURB & GUTTER	L.F.	2,785	\$1.12	\$3,119.20	\$3.00	\$8,355.00	\$2.00	\$5,570.00	\$4.00	\$11,140.00
17	30" CURB & GUTTER, TYPE D	L.F.	2,785	\$16.60	\$46,231.00	\$14.65	\$40,800.25	\$18.60	\$51,801.00	\$16.00	\$44,560.00
18	REMOVE CONCRETE DRIVEWAY APRON	S.F.	5,136	\$0.37	\$1,900.32	\$0.60	\$3,081.60	\$0.40	\$2,054.40	\$1.00	\$5,136.00
19	7" CONCRETE DRIVEWAY APRON & SIDEWALK	S.F.	7,234	\$6.50	\$47,021.00	\$6.18	\$44,706.12	\$6.60	\$47,744.40	\$7.00	\$50,638.00
20	EXCAVATION BELOW SUBGRADE (EBS)	C.Y.	450	\$17.10	\$7,695.00	\$15.00	\$6,750.00	\$19.70	\$8,865.00	\$26.00	\$11,700.00
21	EBS BACKFILL 1-1/4" DENSE	TONS	450	\$13.60	\$6,120.00	\$14.38	\$6,471.00	\$15.90	\$7,155.00	\$18.00	\$8,100.00
22	EBS BACKFILL 3" DENSE	TONS	450	\$13.50	\$6,075.00	\$15.00	\$6,750.00	\$15.90	\$7,155.00	\$18.00	\$8,100.00
23	1 1/4" DENSE CRUSHED AGGREGATE BASE COURSE	TONS	2,920	\$13.10	\$38,252.00	\$14.38	\$41,989.60	\$13.90	\$40,588.00	\$16.00	\$46,720.00
24	LOWER LAYER HMA PAVEMENT 3-1/4"	TONS	950	\$67.56	\$64,182.00	\$61.25	\$58,187.50	\$59.25	\$56,287.50	\$66.00	\$62,700.00
25	UPPER LAYER HMA PAVEMENT 1-3/4"	TONS	520	\$72.75	\$37,830.00	\$74.75	\$38,870.00	\$72.75	\$37,830.00	\$74.00	\$38,480.00
26	TRAFFIC CONTROL	L.S.	1	\$7,255.00	\$7,255.00	\$11,850.00	\$11,850.00	\$31,185.00	\$31,185.00	\$22,000.00	\$22,000.00
27	LAWN RESTORATION	S.Y.	2,391	\$5.67	\$13,556.97	\$6.45	\$15,421.95	\$6.62	\$15,828.42	\$8.00	\$19,128.00
28	DITCH CHECK	EACH	1	\$300.00	\$300.00	\$150.00	\$150.00	\$180.00	\$180.00	\$150.00	\$150.00
29	INLET PROTECTION	EACH	14	\$85.00	\$1,190.00	\$100.00	\$1,400.00	\$50.00	\$700.00	\$100.00	\$1,400.00
PROJECT TOTAL CONTRACT C-20					\$458,548.12		\$486,783.32		\$576,137.97		\$667,716.50

VILLAGE OF JACKSON

2020 ROAD AND UTILITY PROJECT

FINAL ESTIMATE OF PROBABLE CONSTRUCTION COST

PROJECT NO.: 05789-0011

June 2, 2020



	QUANTITY	UNIT COST	TOTAL COST
1 COMMON EXCAVATION	2,600 C.Y.	\$30.00	\$78,000.00
2 SAW CUTTING ASPHALT ROADWAY	263 L.F.	\$5.00	\$1,315.00
3 REBUILD SAN MH	3 EACH	\$800.00	\$2,400.00
4 VALVE BOX REPLACEMENT	4 EACH	\$400.00	\$1,600.00
5 6" SANITARY LATERAL	10 L.F.	\$80.00	\$800.00
6 48" DIA. STORM SEWER MANHOLE	1 EACH	\$3,000.00	\$3,000.00
7 60" DIA. STORM SEWER INLET/MANHOLE	1 EACH	\$4,000.00	\$4,000.00
8 96" DIA. STORM SEWER INLET/MANHOLE	1 EACH	\$8,000.00	\$8,000.00
9 36" STORM SEWER	185 L.F.	\$300.00	\$55,500.00
10 36" FLARED END SECTION	1 EACH	\$2,500.00	\$2,500.00
11 12" DIA. STORM SEWER	69 L.F.	\$80.00	\$5,520.00
12 MEDIUM RIP RAP	7 C.Y.	\$75.00	\$525.00
13 4" PVC STORM LATERAL (22 UNITS)	1,480 L.F.	\$50.00	\$74,000.00
14 REMOVE CONCRETE SIDEWALK	10,393 S.F.	\$2.00	\$20,786.00
15 4" CONCRETE SIDEWALK	11,262 S.F.	\$6.00	\$67,572.00
16 REMOVE CURB & GUTTER	2,785 L.F.	\$5.00	\$13,925.00
17 30" CURB & GUTTER, TYPE D	2,785 L.F.	\$25.00	\$69,625.00
18 REMOVE CONCRETE DRIVEWAY APRON	5,136 S.F.	\$5.00	\$25,680.00
19 7" CONCRETE DRIVEWAY APRON & SIDEWALK	7,234 S.F.	\$7.00	\$50,638.00
20 EXCAVATION BELOW SUBGRADE (EBS)	450 C.Y.	\$30.00	\$13,500.00
21 EBS BACKFILL 1-1/4" DENSE	450 TONS	\$18.00	\$8,100.00
22 EBS BACKFILL 3" DENSE	450 TONS	\$18.00	\$8,100.00
23 CRUSHED AGGREGATE BASE COURSE	2,920 TONS	\$16.00	\$46,720.00
24 LOWER LAYER HMA PAVEMENT 3-1/4"	950 TONS	\$70.00	\$66,500.00
25 UPPER LAYER HMA PAVEMENT 1-3/4"	520 TONS	\$75.00	\$39,000.00
26 TRAFFIC CONTROL	1 L.S.	\$10,000.00	\$10,000.00
27 DITCH CHECK	1 EACH	\$400.00	\$400.00
28 LAWN RESTORATION	2,630 S.Y.	\$15.00	\$39,450.00
29 INLET PROTECTION	14 EACH	\$100.00	\$1,400.00
TOTAL CONSTRUCTION COST			\$718,556.00
CONTINGENCIES			\$43,444.00
ENGINEERING, LEGAL & ADMINISTRATION			<u>\$108,000.00</u>
TOTAL PROJECT COST			\$870,000.00

**2020 - 2021
Local Roads Improvement Program
State/Municipal Project Agreement**

Date:	March 24, 2020	Project ID:	39508802104
LRIP Project Number:	16593	FEIN Number:	396021868
County:	Washington	Appropriation:	27800
Municipality/County:	Village of Jackson	Account:	8700140

On Route: Hunters Rd
(Road to be improved)
At Route: Chateau Dr
Toward Route: Jackson Dr

The signatory city, village, town or county, hereinafter called the MUNICIPALITY, through its duly authorized officers or officials via the signed LRIP application form and terms and conditions, and the State of Wisconsin Department of Transportation, hereinafter called the STATE, enter into this agreement to accomplish the described project.

The authority for the MUNICIPALITY and the STATE to enter into this agreement is provided by the *Wisconsin Administrative Code TRANS 206.03(12)*.

Need for Improvement: Failed Asphalt Pavement

Improvement Type: Reconstruction

Proposed Improvement: Excavate existing pavement, add 11 inch(es) of breaker run, add 11 inch(es) of base course gravel and add Granular subbase. Base work will include grading, shaping and compacting. Other work includes adjust manholes, clearing and grubbing, driveway joints, establish drainage, re-establish crown, storm sewer and undercutting. Ineligible cost includes: street signs and water main.

Surface Type: 65 - Hot Mix Resurfacing (overlay) on Asphalt Pavement

Thickness	Travel Width (Per Lane)	Right Shoulder	Curb & Gutter	Left Shoulder	Curb & Gutter
5.0 in	17 ft 0 in	0 in	Y	0 in	Y
		Estimated Costs	LRIP/State Funds	Municipal Funds (includes ineligible costs)	
Engineering:		\$53,314.00			
Right-of-Way Acquisition:		\$0.00			
Construction:		\$462,250.00			
Total Eligible Costs:		\$515,564.00			
Ineligible Improvement Costs:		\$147,050.00			

Total Improvement Costs:	\$662,614.00	\$41,530.94	\$621,083.06
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This request is subject to the terms and conditions agreed to at the time of application for the designated MUNICIPALITY and upon acceptance by the STATE, per signature below, shall constitute agreement between the MUNICIPALITY and the STATE.

Accepted for the State of Wisconsin, Department of Transportation:

By: Merrill Mechler-Hickson
Local Transportation Programs and Finance

03/30/2020
Date

Note:

**2020 - 2021
Local Roads Improvement Program
State/Municipal Project Agreement**

TERMS AND CONDITIONS

1. The initiation and accomplishment of the improvement will be subject to the applicable federal, state and local laws, administrative policy and program rules, ordinances, standards, and contract bidding requirements. Please note that if any portion of an improvement is funded using federal funds (including design, real estate, or other related work activities), the entire improvement will be subject to federal requirements. All components of the improvement must be defined in the environmental document if any portion of the project is federally funded.
2. The construction of the improvement will be in accordance with the appropriate standards unless an exception to standards is granted by the state prior to construction. The entire cost of the improvement not constructed to standards will be the responsibility of the Municipality/County unless such exception is granted.
3. The Municipality/County will assume all responsibility for complying with all applicable environmental requirements for the improvement.
4. The work, which is eligible for state participation will be administered by the Municipality/County. The authority for the state to delegate this responsibility is described in ch. Trans 206.
5. All contracts will be let by competitive bid and awarded to the lowest responsible bidder in accordance with the provisions of s.86.31 Wis. Stats. and all other municipal/county bidding requirements.
6. State financing will be limited to up to 50 percent (%) participation in eligible items or to the limit approved for the improvement - whichever is less.
7. Payments to the Municipality/County will be made after the improvement is completed, and the contractor(s) fully reimbursed.
8. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
9. The Municipality/County will keep records of the cost of the improvement together with letting documents and will have them available for inspection by representatives of the state and will furnish copies when requested.
10. The design and construction of the improvement must be certified by a registered professional engineer, if the cost of the improvement exceeds \$65,000.
11. Federal Single Audits of Local Government Units:
 - a) The Municipality/County shall have a single organization audit performed by a qualified independent auditor if required to do so under federal law and regulations. (See Federal Circular No. A-133)
 - b) This audit shall be performed in accordance with Federal Circular A-133 issued by the Federal Office of Management and Budget (OMB) and state single audit guidelines issued by the Wisconsin Department of Administration (DOA).
 - c) The Municipality/County will keep records of costs of construction, inspection tests and maintenance done by it to enable the State to review the amount and nature of the expenditure for those purposes. Such accounting records and any other related records shall be subject to a project review or audit as directed by the Department within ten (10) years of project closing.
12. The Municipality/County will maintain, at its own cost and expense, all portions of the project that lie within its jurisdiction and will make ample provision of such maintenance as long as the road remains open to traffic.
13. This agreement is subject to the availability of State funds appropriated for this program. The continuance of this agreement beyond the limits of funds already available to the Wisconsin Department of Transportation is contingent upon appropriation of the necessary funds by the Wisconsin Legislature and the Governor. (Reference 66 OAG 408; State ex rel. LaFollette v. Reuter, 36 Wis. 2d 96, 119 [1967])
14. In accordance with the State's sunset policy for LRIP projects, the subject improvement must be constructed and submitted for reimbursement within three biennium.

Submitting this application indicates that the Requestor is authorized to conduct official business for the Municipality/County identified below and upon acceptance by the State shall constitute agreement between the Municipality/County and the State, subject to the terms and conditions above.

Municipality/County:

Jackson

County: Washington

Head of Government/Designee Signature:

Signature On File

Date: 01/08/2020

Print Name:

SIGNATURE ON FILE

Title: Public Works Director



Taking the lead in Washington County.

June 22, 2020

RE: Village of Jackson - 2020 Road and Utility Project

Dear :

This letter is a notice for response of your property described with **Tax Key No.** and located at , Jackson, WI.

The Village of Jackson has hired Cedar Corporation, for the design of the Street Improvements for Hunters Road from Jackson Drive to Chateau Drive and Chateau Drive from Hunters Road to Willow Ridge Drive. The project includes of the following items:

- Rebuilding of existing sanitary sewer manholes
- Extend storm sewer to serve additional properties
- Provide storm sewer laterals for sump pump discharge, per Village Code
- Replacement and installation of new curb and gutter
- Installation of new 5 ft wide sidewalk
- Install new Street Lights
- Resurface roadway

The Village of Jackson is conducting an informal meeting for the said construction project. The meeting is for discussion on scheduling, conflicts with utility location, and sharing of information. The Village of Jackson would like to take the opportunity to inform all parties involved with the reconstruction project:

**2020 Road and Utility Project
Informal Information Meeting
Village Hall Board Room
N168 W20733 Main Street
Tuesday, June 30, 2020
6:00 PM**

In order to finalize the design, the Jackson Sewer Utility will televise all sanitary laterals, and the sump pump discharge location will be verified prior to the start of construction. Please call 262-677-0707 Ext 11 to schedule an appointment.

If you have any questions of the project, and unable to attend the meeting please call or email brian.kober@villageofjackson.com

Sincerely,

Brian W. Kober

Brian W. Kober, P. E.
Director of Public Works

WI94N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:
P.O. Box 637

www.villageofjackson.com

RESOLUTION #20-11

PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POLICE POWERS, UNDER SECTION 66.0703 OF THE WISCONSIN STATUTES

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin is pursuing the construction and reconstruction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses for the benefit of the properties described on Exhibit A and Exhibit B hereto.

BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin:

1. The Village Board hereby declares its intention to exercise its police power under Section 66.0703 of the Wisconsin Statutes to levy special assessments upon the properties described in Exhibit A hereto, for special benefits conferred upon such property by the construction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses.
2. The Village Board hereby determines that the construction of such improvements is in the best interest of, and for the health and welfare of the municipality and the property benefited by the improvements, and therefore constitutes an exercise of the police power.
3. The amount of such assessments shall be determined and levied upon completion of the construction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses.
4. The number of installments, rate of interest, and the terms of payment will be included in the Final Resolution after the Public Hearing; which will be held upon completion of the project, when final costs have been determined.
5. Every Special Assessment levied under this Resolution, shall be a lien against the property assessed, from the date of the Final Resolution of the Village Board determining the levy.
6. The Village Engineer shall prepare a report consisting of the following:
 - a. Preliminary of the final plans and specifications for the Public Works.

- b. An estimate of the entire cost of the proposed improvements.
 - c. A schedule of the proposed properties against which the assessments are to benefit.
 - d. A statement that each property against which the assessments are proposed, has been inspected and is benefited, setting forth the basis of such benefit.
 - e. Upon completion of the report, the Village Engineer shall file a copy with the Village Clerk, and with the Village Treasurer.
7. The Village Clerk shall make a copy of the report available for public inspection.

Introduced by: _____ Seconded by: _____

Vote: ____ Aye ____ Nay Passed and Approved: _____

Michael E. Schwab - Village President

Attest: _____
Jilline S. Dobratz - Village Clerk

Proof of Posting:

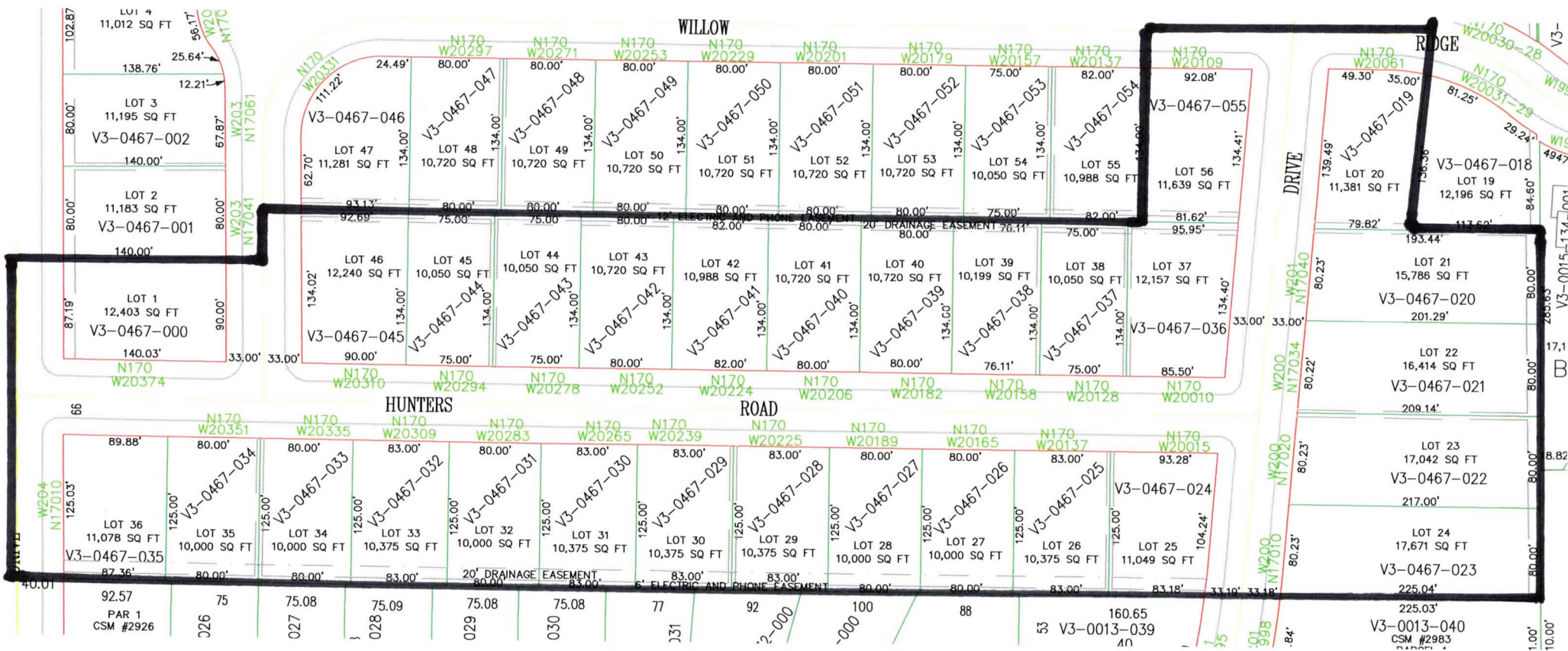
I the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office and one other location in the Village.

Village Official

Date

EXHIBIT A

N
+
A



Brian Kober

From: Vanessa Wishart <VWishart@staffordlaw.com>
Sent: Tuesday, June 23, 2020 12:28 PM
To: Brian Kober
Subject: RE: Contested Case - Granted
Attachments: Jackson_Permit_CCH modification_Proposed.pdf; TMDL TP WQBEL memo_Proposed.pdf; 3EP4678-Ltr to Secretary Meyer w Petition for Contested Case Hearing.PDF

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Brian,

I know it has been a while since we touched base on the contested case petition that the Village of Jackson filed regarding phosphorus limitations. I am attaching a permit modification DNR is proposing that would form the basis of a settlement on this case. In the attached permit modification you'll see that DNR is proposing to incorporate the TMDL based limits. The compliance schedule currently stays the same, but we could ask for some of the dates to be moved around depending on where Jackson currently is in the phosphorus compliance planning process. Please let me know when you have time to discuss this further.

Thank you!
Vanessa

STAFFORD ROSENBAUM LLP	Vanessa Wishart VWishart@staffordlaw.com 608.210.6307 222 West Washington Avenue, Suite 900 P.O. Box 1784 Madison, Wisconsin 53701-1784 www.staffordlaw.com
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Stafford Rosenbaum LLP | If you receive this email in error, use or disclosure is prohibited. Please notify me of the error by email and delete this email.

From: Brian <dirpubwks@villageofjackson.com>
Sent: Wednesday, November 8, 2017 11:42 AM
To: Vanessa Wishart <VWishart@staffordlaw.com>
Cc: Marjorie Irving <mirving@staffordlaw.com>; utilitysuft@villageofjackson.com
Subject: RE: Contested Case - Granted

Vanessa,

Thanks for the email and the letter from DNR. There will be future discussions once the DNR is ready. The Jackson Sewer Utility will continue doing our part of saving the environment.

Thanks for your help in the matter.

Brian W. Kober, P.E.
Village of Jackson
Director of Public Works
PO Box 637
N168 W20733 Main Street
Jackson, WI 53037

Phone (262) 677-9001
Fax (262) 677-9710

From: Vanessa Wishart [<mailto:VWishart@staffordlaw.com>]
Sent: Wednesday, November 08, 2017 11:29 AM
To: 'Brian'
Cc: Marjorie Irving
Subject: Contested Case - Granted

Brian,

We just received notice that your contested case has been granted. The next step in all likelihood will be negotiations with DNR. However, given the number of contested case petitions ongoing right now, I don't anticipate that will happen immediately.

Please feel free to contact me if you have any questions.

Vanessa

STAFFORD ROSENBAUM LLP	Vanessa Wishart VWishart@staffordlaw.com 608.210.6307 222 West Washington Avenue, Suite 900 P.O. Box 1784 Madison, Wisconsin 53701-1784 www.staffordlaw.com
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Stafford Rosenbaum LLP | If you receive this email in error, use or disclosure is prohibited. Please notify me of the error by email and delete this email.

CORRESPONDENCE/MEMORANDUM

DATE: April 16, 2020

TO: Laura Dietrich – Waukesha

FROM: Nick Lent – Milwaukee

SUBJECT: Water Quality-Based Effluent Limitations from the Milwaukee River Basin TMDL for Jackson (Village) Wastewater Treatment Plant, WPDES Permit No. WI-0021806-07-1

This is in response to your request for an evaluation of the need for total phosphorus, total suspended solids (TSS), and fecal coliform limitations for the Village of Jackson's Wastewater Treatment Plant (WWTP) in Washington County ("Jackson"). This municipal WWTP discharges to Cedar Creek, located in the Cedar Creek Watershed in the Milwaukee River Basin (MI-24). This discharge is included in the Total Maximum Daily Load (TMDL) for total phosphorus, total suspended solids, and fecal coliforms for the Milwaukee River Basin which was approved by U.S. EPA in March 2018. The evaluation of the related permit recommendations is discussed in more detail in the attached report.

The current permit, effective since October 1, 2017 does not include effluent limits based on the wasteload allocations (WLAs) from the Milwaukee River Basin TMDL. The following review is based on the TMDL report and available guidance for implementation into WPDES permits. Based on our review, the following effluent limits are needed for permit reissuance/modification to be consistent with the Milwaukee River Basin TMDL:

	Total Suspended Solids Weekly Average		Total Suspended Solids Monthly Average		Total Phosphorus Monthly Average	
	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
January	12	*	12	*	0.85	3.03
February	12	*	12	*	0.85	3.12
March	12	*	12	*	0.85	2.11
April	12	*	12	*	0.85	2.02
May	12	*	12	*	0.85	3.65
June	12	*	12	*	0.85	2.85
July	12	*	12	*	0.85	2.51
August	12	*	12	*	0.85	2.79
September	12	*	12	*	0.85	3.78
October	12	*	12	*	0.85	2.72
November	12	*	12	*	0.85	3.49
December	12	*	12	*	0.85	2.86

- * A concentration-based limit of 12 mg/L is recommended in lieu of a mass limit originating from Appendix A of the TMDL report, consistent with section 6.4.1 of the TMDL report. This value is also equal to the existing weekly and monthly average TSS limits.
- Retention of the existing 0.85 mg/L interim effluent concentration limit is recommended for permit modification.

Fecal coliforms – no changes from existing limits are needed to comply with the TMDL. The existing limits of 400#/100 mL as a monthly geometric mean and 780#/100 mL as a weekly geometric mean from May through September are sufficient and therefore recommended for the permit modification.

Please consult the attached report for details regarding the above recommendations. If there are any questions or comments, please contact Nick Lent at (414) 263-8623 or Nicholas.Lent@wisconsin.gov.

Attachment (1); TMDL-Based WQBELs; Jackson Wastewater Treatment Plant

PREPARED BY: Nick Lent – Compliance Staff for Jackson WWTP & Milwaukee River Basin
TMDL Wastewater Sector Lead, SER

e-cc: Nicole Krueger – Effluent Limit Calculator, SER
Bryan Hartsook – Wastewater Field Supervisor, SER
Diane Figiel – Effluent Limits Coordinator, WY/3

Attachment # 1
**Water Quality-Based Effluent Limitations from the
Milwaukee River Basin TMDL for
Jackson Wastewater Treatment Plant
WPDES Permit No. WI-0021806-07-1**

Prepared by: Nick Lent

PART 1 - BACKGROUND INFORMATION

In coordination with the Wisconsin Department of Natural Resources, the Milwaukee Metropolitan Sewerage District developed a total maximum daily load (TMDL) report that addresses total phosphorus, total suspended solids, and bacteria impairments within the Milwaukee River Basin, which includes the discharge from the Village of Jackson Wastewater Treatment Plant ("Jackson"). The TMDL was approved by the US Environmental Protection Agency in March 2018.

Jackson contested the conditions of the current permit relating to s. NR 217.13, Wis. Adm. Code, phosphorus limits shortly after it was reissued in October 2017. Therefore, the remainder of this memo highlights changes to the phosphorus limits in a modified or reissued permit in light of the EPA-approved TMDL and s. NR 217.16(2), Wis. Adm. Code.

The following table provides a summary of the existing effluent limitations for TSS, fecal coliforms, and total phosphorus, and any recommendations from previously completed WQBEL memos.

Parameter	Weekly Average	Monthly Average	Six-Month Average	Footnotes
TSS	12 mg/L	12 mg/L		1
Fecal Coliforms May – September	780#/100 mL geometric mean	400#/100 mL geometric mean		1
Phosphorus Interim s. 217.13, Wis. Adm. Code		0.85 mg/L 0.225 mg/L	0.075 mg/L 1.06 lbs/day	2

1. Existing permit limitation
2. A compliance schedule to meet the s. NR 217.13, Wis. Adm. Code, limits is included in the current permit with an effective date of 09/30/2026

Receiving Water Information:

- Name: Cedar Creek (TMDL Reachshed ID MI-24)
- Classification: Warmwater sport fish community, non-public water supply.
- Low Flow: 7-Q₁₀ = 3.0 cfs (cubic feet per second), 7-Q₂ = 7.6 cfs

Effluent Information

- Flow: Annual Average Design Flow = 1.69 MGD,
For reference, the actual average flow from October 2017 through January 2020 was 1.17 MGD.

Attachment # 1
PART 2 – TOTAL PHOSPHORUS

There are several types of phosphorus limits that are specified in administrative code: technology-based effluent limits (TBELs), water quality-based effluent limits (WQBELs), TMDL-derived limits, interim limits, s. NR 217.14, Wis. Adm. Code, mass limits, and adaptive management interim limits. The remainder of this write up explains the status of phosphorus limitations in the existing permit for Jackson, and how the TMDL-derived limits will be incorporated into the next modified or reissued WPDES permit.

Technology Based Effluent Limit

Chapter NR 217, Wis. Adm. Code, requires municipal wastewater treatment facilities which have discharged greater than 150 pounds of total phosphorus per month to comply with a monthly average limit of 1.0 mg/L, or an approved alternative concentration limit. The current permit for Jackson contains an interim limit of 0.85 mg/L, which is slightly more restrictive than the technology-based phosphorus limit of 1.0 mg/L monthly average. Therefore, no further evaluation of a technology based effluent limits is needed.

TMDL Limits – Total Phosphorus

The TMDL addresses phosphorus, TSS, and fecal coliform water quality impairments within these watersheds and provides waste load allocations (WLAs) required to meet water quality standards. Effluent limits based on these WLAs may be included in WPDES permits now that the TMDL has been approved by U.S. EPA, according to ss. NR 217.16 and 212.76, Wis. Adm. Code. The TMDL-derived phosphorus limits may be included in lieu of or in addition to the calculated limits upon permit reissuance or modification if certain conditions are met and the s. NR 217.13, Wis. Adm. Code, WQBEL has not yet taken effect. The TMDL report, along with the referenced appendices can be found at: <http://dnr.wi.gov/topic/TMDLs/Milwaukee/>

When deciding whether to use a TMDL based limit as a substitute for the WQBEL calculated under s. NR 217.13, Wis. Adm. Code, the Department shall consider the following factors:

- (a) The degree to which non-point sources contribute phosphorus to the phosphorus impaired water;
- (b) Whether waters upstream of the impaired waters are meeting the phosphorus criteria; and
- (c) Whether waters downstream of the impaired water are meeting the phosphorus criteria.

Because the Milwaukee River Basin TMDL was developed with a goal of meeting the phosphorus water quality criterion of all streams and rivers within the basin, and the s. NR 217.13, Wis. Adm. Code, WQBEL has not taken effect for Jackson, the TMDL-based limits may be included in the WPDES permit in place of the s. NR 217.13, Wis. Adm. Code, WQBEL. The TMDL-based limits must be expressed in a manner consistent with the (WLA) and assumptions of the TMDL, as well as available guidance. Pursuant to s. NR 217.16(2), Wis. Adm. Code, if after two permit terms, the Department determines the nonpoint source load allocation has not been substantially reduced, the Department may impose the more stringent s. NR 217.13, Wis. Adm. Code, WQBEL, or may include the TMDL-derived limit for an additional permit term if the Department determines there will be significant nonpoint source load reductions within the upcoming permit term.

The monthly average total phosphorus (TP) effluent limits in lbs/day are calculated based on the maximum monthly phosphorus WLA given in pounds per month as suggested in the TMDL report and guidance. The monthly maximum TP WLAs for this facility are found in Appendix A of the Milwaukee River Basin TMDL report. **The bolded limits shown in the following table are recommended in place**

Attachment # 1

of the s. NR 217.13, Wis. Adm. Code, limit, and should be expressed in pounds per day. For informational purposes, the TMDL mass limits in the following table are equivalent to monthly average concentrations ranging 0.143 mg/L to 0.268 mg/L at the facility TMDL baseline flow of 1.69 MGD.

Total Phosphorus Wasteload Allocations and Effluent Limits

Jackson Wastewater Treatment Facility Outfall 001				
Month	Monthly Maximum TP WLA¹ (lbs/month)	Days Per Month	Monthly Average TP Effluent Limit² (lbs/day)	Equivalent Monthly Average TP Effluent Conc.³ at 1.69 MGD (mg/L)
Jan	93.87	31	3.03	0.215
Feb	87.43	28	3.12	0.222
Mar	65.51	31	2.11	0.150
Apr	60.57	30	2.02	0.143
May	113.12	31	3.65	0.259
Jun	85.46	30	2.85	0.202
Jul	77.84	31	2.51	0.178
Aug	86.62	31	2.79	0.198
Sep	113.28	30	3.78	0.268
Oct	84.46	31	2.72	0.193
Nov	104.72	30	3.49	0.248
Dec	88.71	31	2.86	0.203

Footnotes:

1- Milwaukee River TMDL Appendix A- Monthly Total Phosphorus Solids Wasteload Allocation by Permitted Point Source. Table A.17 for the Milwaukee River Watershed

2- Monthly average Total P effluent limit (lbs/day) = monthly Total P WLA (lbs/month) ÷ days per month

3- For informational purposes only - the values shown do not need to be included in the permit. The concentrations shown were calculated by the following: mass limit / (design flow * 8.34)

Interim Limit

The following table summarizes effluent total phosphorus monitoring data collected at the facility from October 2017 through January 2020. The effluent data suggest that a compliance schedule will still be necessary for the facility to meet the given phosphorus limits.

Jackson Wastewater Treatment Facility October 2017 – January 2020 Total Phosphorus Effluent Data Summary, mg/L			
Concentration – mg/L		Mass – lbs/day	
Range	0.20 – 4.06	Range	2.43 – 40.67
1-day P ₉₉	1.63	1-day P ₉₉	18.21
4-day P ₉₉	1.08	4-day P ₉₉	11.53
30-day P ₉₉	0.80	30-day P ₉₉	8.15
Average	0.66	Average	6.57
Maximum 30-day Rolling Average	1.06	Maximum 30-day Rolling Average	10.86
Maximum Calendar Month Average	0.82	Maximum Calendar Month Average	8.37

Attachment # 1

An interim limit is required per s. NR 217.17, Wis. Adm. Code, when a compliance schedule is included in the permit to meet WQBELs, including TMDL-based limitations. The current permit includes an interim limit of 0.85 mg/L. Although the facility has not exceeded this interim limit during the current permit term, the maximum monthly average was 0.82 mg/L in November of 2018, and the 30-day P₉₉ of data from October 2017 through January 2020 was 0.80 mg/L. Based on this information and considering that the interim limit should reflect a concentration that the facility is able to meet without investing in additional “temporary” treatment, **no changes are recommended to the interim limit of 0.85 mg/L as a monthly average for the permit modification.**

PART 3 – TOTAL SUSPENDED SOLIDS

For a municipal facility, effluent limits for TSS must be expressed as weekly and monthly averages, per s. NR 106.07, Wis. Adm. Code. The current permit includes weekly and monthly average concentration limits of 12 mg/L, effective year-round. For informational purposes, an effluent TSS data summary is included in the following table.

Jackson Wastewater Treatment Facility October 2017 – January 2020 Total Suspended Solids Effluent Data Summary			
Concentration – mg/L		Mass – lbs/day	
1-day P ₉₉	5.34 mg/L	1-day P ₉₉	68.30 lbs/day
4-day P ₉₉	3.62 mg/L	4-day P ₉₉	41.61 lbs/day
30-day P ₉₉	2.63 mg/L	30-day P ₉₉	28.16 lbs/day
Range	1 - 8.7 mg/L	Range	6.91 - 107.01 lbs/day
Average	2.15 mg/L	Average	21.99 lbs/day
Standard Deviation	0.97 mg/L	Standard Deviation	13.14 lbs/day
Coefficient of Variation	0.45	Coefficient of Variation	0.60

TMDL Limits – TSS

The Milwaukee River Basin TMDL was developed with a target instream concentration of 12 mg/L expressed as a median of monthly samples collected between May and October for all surface waters of the Basin to address impacts caused by sedimentation and turbidity. Wastewater discharges of TSS at 12 mg/L or less are not expected to contribute to sedimentation as standard treatment processes (such as grit removal and clarification) remove settleable material at this level, nor is the discharge expected to contribute to turbidity impairments at this concentration. Consistent with Section 6.4.1 of the Milwaukee River TMDL Report, in cases where the equivalent TSS concentration limit calculated from the WLA is $\leq$ 12 mg/L, the effluent limit will be held at a concentration of 12 mg/L, and mass limits based on the TSS WLAs will not be included in the permit for those months.

Explanation of TSS mass limits

Monthly average: The monthly average TSS effluent limits in lbs/day are calculated based on the maximum monthly TSS WLA given in pounds per month as suggested in the TMDL report and guidance. The monthly maximum TSS WLAs for this facility are found in Appendix A, Table A19 of the Milwaukee River Basin TMDL report.

Weekly average: Weekly average mass limits are calculated by referencing the monthly average effluent limit (in lbs/day), and using a multiplier that is determined using the coefficient of variation (CV) of

Attachment # 1

representative TSS mass data, monitoring frequency, and TMDL implementation guidance. For Jackson, the CV of TSS mass data is 0.6, and the monitoring frequency is 4/week. This yields a weekly average limit multiplier of 1.36. If there are changes in representative effluent TSS data, and or the TSS monitoring frequency is adjusted, the weekly average limit multiplier will need to be recalculated.

Jackson - Total Suspended Solids Wasteload Allocations and Effluent Limits

Month	Monthly TSS WLA ¹ (lbs/month)	Days Per Month	Monthly Ave TSS Effluent Limit ² (lbs/day)	Equivalent Conc. ³ at 1.69 MGD (mg/L)	Weekly Ave TSS Effluent Limit ⁴ (lbs/day)	Equivalent Conc. at 1.69 MGD (mg/L)
Jan	1,897.60	31	61.21	4.34	83.25	5.91
Feb	957.59	28	34.20	2.43	46.51	3.30
Mar	713.86	31	23.03	1.63	31.32	2.22
Apr	866.59	30	28.89	2.05	39.29	2.79
May	1,966.30	31	63.43	4.50	86.26	6.12
Jun	1,617.72	30	53.92	3.83	73.34	5.20
Jul	1,316.54	31	42.47	3.01	57.76	4.10
Aug	1,093.42	31	35.27	2.50	47.97	3.40
Sep	1,791.81	30	59.73	4.24	81.23	5.76
Oct	1,571.14	31	50.68	3.60	68.93	4.89
Nov	2,631.20	30	87.71	6.22	119.28	8.46
Dec	1,958.26	31	63.17	4.48	85.91	6.10

Footnotes:

1- Milwaukee River Basin TMDL Appendix A. Monthly Total Suspended Solids Wasteload Allocation by Permitted Point Source. Table A.19 for the Milwaukee River Watershed

2- Monthly average TSS effluent limit (lbs/day) = monthly TSS WLA (lbs/month) ÷ days per month

3- For informational purposes only - the values shown do not need to be included in the permit. The concentrations shown were calculated by the following: mass limit / (design flow * 8.34)

4- Weekly average effluent limit (lbs/day) = monthly average limit (lbs/day) * multiplier

Based on an evaluation of the TSS WLA specified for Jackson, the monthly average and weekly average equivalent concentrations are all less than 12 mg/L. Consistent with 6.4.1 of the TMDL report, **a concentration-based limit of 12 mg/L is recommended in lieu of the WLA-derived mass limits.**

These limits are equal to the effluent TSS limits in the existing permit, therefore no changes from the existing effluent limitations are needed to meet the requirements of the TMDL.

PART 4 – TMDL LIMITS FOR BACTERIA

Tables A.20 and A.21 of Appendix A of the Milwaukee River Basin TMDL present daily and monthly allocations for fecal coliform for permitted point sources. For fecal coliform, no reductions will be required for point sources that already employ disinfection. Disinfection is achieved using ultraviolet light at the Jackson WWTF from May through September as required in the permit.

Fecal coliform limits were included in the Milwaukee River Basin TMDL set equivalent to the current 400#/100 mL limit as a monthly geometric mean for permitted point sources. Therefore, **no changes to**

Attachment # 1

the current fecal coliform limits are recommended to comply with the Milwaukee River Basin TMDL.

MEMORANDUM

Date: February 10, 2020

To: Brian Kober, P.E. – Director of Public Works, Village of Jackson

From: Greg Droessler, P.E.

Subject: Engineering Services for Phosphorus Compliance Alternatives Planning

In October, 2017 the Village received a new discharge permit for the wastewater plant. This permit included new interim limits for phosphorus as a result of new regulations passed in 2010.

The new limits for phosphorus included a compliance schedule with annual requirements to evaluate and implement options to meet the new limits. The first year (September 2018) required submission of an operational evaluation report, which was submitted by the Village. The second year (September 2019) required source reduction, to identify alternates and a status report, which has been completed. The third year (September 2020) requires the Village to complete an evaluation to determine which compliance option(s) may be selected. Year four (September 2021) requires a final compliance alternatives plan be submitted by the Village, effectively determining the selected compliance option.

There are normally four primary ways to meet the new permit requirements:

- Provide full phosphorus treatment, which requires capital improvements that may include the addition of, expansion of, or optimization of tertiary filters
- Watershed adaptive management
- Water quality trading
- Individual or multi-discharger variance request

The permit for the WWTF requires a Compliance Alternatives Plan to be submitted to the DNR outlining the steps that will be taken by the Village to meet the new phosphorus limits. This will include a cost evaluation of alternatives, environmental impacts, recommendation of the preferred course of action, and the impact to user rates.

The Final Compliance Alternatives Plan, to be submitted by September 2021, would expand on the results of the Preliminary Compliance Alternatives Plan and finalize plans for the selected alternative determined this year. The scope of services for the Preliminary Compliance Alternatives Plan (Year 3) and Final Compliance Alternatives Plan (Year 4) includes the following:

Phosphorus Compliance Alternatives Plan (9/30/2020)

- A. Use the existing WWTF design capacities to develop and identify alternatives that can meet the new phosphorus regulations. Alternatives will include adaptive management and trading if the work under the non-point source evaluation section is determined to be viable options, and changes or additions to existing WWTF infrastructure.
- B. Develop capital and operational cost for each of the alternatives under consideration.
- C. Address environmental impacts for each of the alternatives.

TOWN & COUNTRY ENGINEERING, INC.

Madison ♦ Rhinelander ♦ Kenosha
2912 Marketplace Drive, Suite 103 • Madison, WI 53719 • (608) 273-3350 • tce@tcengineers.net

- D. Attend public works or utility committee meetings to provide the Village with progress updates; to obtain input from Village staff and officials; and to solicit Village input with key decisions. We would provide yearly updates to the DNR as the permit requires.
- E. Prepare preliminary user rate impacts.
- F. Evaluate options for a water quality variance or participation in the new Multi-Discharger Variance.
- G. Submit the engineering report to the WDNR according to the permit compliance schedule.

Final Compliance Alternatives Plan (9/30/2021)

- A. Finalize selection, or selections, of a phosphorus compliance alternative plan and develop the final report for submission to the Department. If an upgrade to the treatment plant is necessary, an engineering design report will be submitted. If a watershed based approach is to be implemented, a Watershed Adaptive Management Request Form or Water Quality Trading Notice of Intent will be submitted.
- B. Refine capital and operational costs for each of the alternatives under consideration.
- C. Attend public works or utility committee meetings to provide the Village with progress updates; to obtain input from Village staff and officials; and to solicit Village input with key decisions.
- D. Update preliminary user rate impacts for the selected alternative.
- E. Submit the final engineering report to the WDNR according to the permit compliance schedule.

The cost for completion of the permit required Preliminary Compliance Alternatives Plan and Final Compliance Alternatives Plan will be up to \$15,000 and will be charged on a time and materials basis.

The Village will be expected to provide facility information and historical data to be used to develop the projection outlined above. Facility staff will also be expected to perform water quality testing as necessary to verify design assumptions if the need arises.

The following items are not included in the scope for phosphorus planning:

- Procurement of grants and loans
- Wetlands, soils, or archeological investigations
- Pilot testing phosphorus removal systems
- Preparation of an adaptive management plan or water quality trading plan
- Investigation of individual non-point source projects

We can assist the Village in addressing any of these additional work items, if required.

We at Town & Country Engineering, Inc. wish to thank you for allowing us to serve the Village on this project. If you have any questions regarding the above material, please feel free to call.

TOWN & COUNTRY ENGINEERING, INC.

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2912 Marketplace Drive, Suite 103 • Madison, WI 53719 • (608) 273-3350 • tce@tcengineers.net

Task Order – Standard Hourly Rates Basis

In accordance with Paragraph 1.01 of the Agreement Between Village of Jackson (Owner) and Town & Country Engineering, Inc. (Engineer) for Professional Services – Task Order Edition, dated February 10, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Background Data

- a. Effective Date of Task Order: March 11, 2020
- b. Specific Project (title): Phosphorus Compliance Alternatives Planning (Years 3 & 4)
- c. Specific Project (description): See Attachment A.

2. Services of Engineer

- A. The specific services to be provided or furnished by Engineer under this Task Order are described in Attachment A and the services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above, such sections being hereby incorporated by reference:
 - Preliminary Design Phase (Exhibit A, Paragraph A1.02)
- B. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services

Those services (and related terms and conditions) set forth in Paragraph A2.01 of Exhibit A, as attached to the Agreement referred to above, such paragraph being hereby incorporated by reference.

4. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, as attached to the Agreement referred to above, such Article and Exhibit being hereby incorporated by reference.

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A, as attached to the Agreement referred to above, or elsewhere, the parties shall meet the schedule set forth in Attachment A.

6. Payments to Engineer

- A. Owner shall pay Engineer for Basic Services set forth above, except for services of Engineer's Resident Project Representative, if any, as follows:
 - 1. An amount equal to the cumulative hours charged to the Project by each class of Engineer's personnel times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses.
 - 2. Engineer's Standard Hourly Rates Schedule is shown below.
 - 3. The total compensation for services under this Task Order is not-to-exceed \$15,000.
- B. Compensation for Reimbursable Expenses
 - 1. Owner shall pay Engineer for all Reimbursable Expenses at the rates set forth below.

Standard Hourly Rates and Reimbursable Expense Rates Schedule

Standard Hourly Rates and Reimbursable Expense Rates are set forth below. Standard Hourly Rates include salaries and wages paid to personnel in each billing class plus the cost of customary and statutory benefits, general and administrative overhead, non-project operating costs, and operating margin or profit.

Schedule:

Principal/Senior Project Manager.....	\$145.00 per hour
Senior Project Engineer	\$125.00 per hour
Project Engineer II.....	\$115.00 per hour
Project Engineer I.....	\$110.00 per hour
Branch Office Engineer	\$105.00 per hour
Staff Engineer II.....	\$95.00 per hour
Staff Engineer I.....	\$85.00 per hour
Senior Engineering Technician.....	\$85.00 per hour
Engineering Technician II	\$75.00 per hour
Engineering Technician I.....	\$65.00 per hour
Resident Inspector II	\$80.00 per hour
Resident Inspector I	\$65.00 per hour
Grant Writer.....	\$70.00 per hour
Secretary II	\$55.00 per hour
Secretary I	\$50.00 per hour
Mileage	\$0.65 per mile
Total Station/GPS Survey Equipment	\$20.00 per hour of actual use
Computer used for CADD	\$15.00 per hour of actual use
Plotter	\$15.00 per plan page

7. Terms and Conditions

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is March 11, 2020.

OWNER: Village of Jackson

ENGINEER: Town & Country Engineering, Inc.

By: _____

By:  _____

Print Name: John Walther

Print Name: Gregory J. Droessler, P.E.

Title: Administrator

Title: Vice-President

Date: _____

Date: 3/11/2020

Engineer License or Firm's

Certificate No. (if required): 37471-006

State of: Wisconsin

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: _____

Name: Greg Droessler, P.E.

Title: _____

Title: Vice President

Address: N168 W20733 Main Street
Jackson, WI 53037

Address: 10505 Corporate Drive, Suite 105A
Pleasant Prairie, WI 53158

E-Mail
Address: _____

E-Mail
Address: gdroessler@tcengineers.net

Phone: _____

Phone: (262) 620-2914

Task Order Form - Standard Hourly Rates Basis

EJCDC® E-505, Agreement Between Owner and Engineer for Professional Services – Task Order Edition.
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and American Society of Civil Engineers. All rights reserved.

Memo

To: John Donovan, Bielinski Homes Inc.
From: Brian W. Kober, P. E., Director of Public Works 
Subject: Laurel Springs Addition No. 1 – Additional Reimbursements
Date: June 25, 2020
CC: John Walther, Village Administrator

Per phone conversations and emails, in order to complete the development of Laurel Springs Addition No. 1 and the paving of Cedar Creek Road a 12-inch water main needs to be installed on the north side of Cedar Creek Road. The water main will serve the future development of Laurel Springs Villas.

In reference to the plan set of March 18, 2020, the length of water main is 656.5 ft. The water main is a 12-inch transmission main so no need for a hydrant to be on the main. The future water extension to serve the Laurel Springs Villas will be done by a live tap. The quote dating October 11, 2019 would be reduced to \$97,745.00 plus the \$2,400 for the removal and replacement of the existing driveway. The Village portion would be \$57,815.00, and Bielinski portion would be \$39,930.00. The Village understands there are other costs associated with the water main installation. The other costs are reference in the attached document labeled "Exhibit E". The total Village reimbursement cost is \$65,265.00.

We can amend the Laurel Springs Addition #1 Development Agreement or create a separate one.

If you have any questions, please do not hesitate to ask.

Brian W. Kober, P.E.
Director of Public Works

DF TOMASINI, INC.
CONTRACTORS
262/820-8300

N70 W25176 INDIAN GRASS LANE, SUSSEX, WI 53089
FAX 262/820-8400
dft@dftomasini.com

October 11th, 2019

Bielinski Homes, Inc.
1830 Meadow Lane, Suite A
Pewaukee, WI 53072

Attn: John Donovan

Re: Cedar Creek Drive Water Main
Jackson, WI

The following is our preliminary estimate to install water main on Cedar Creek Drive from Jackson Drive approx. 680' west and per the following:

WATER MAIN

1 LS	Traffic Control/Flaggers	\$5,000.00	\$5,000.00
1 LS	Saw Cutting Existing Drive	\$400.00	\$400.00
2 EA	Connect To Existing	\$3,500.00	\$7,000.00
680 LF	12" DR-18 C900 PVC Water Main	130.00	88,400.00
1 EA	12" Gate Valve & Box	2,500.00	2,500.00
13 LF	6" CL-52 DI Hydrant Lead	300.00	3,900.00
1 EA	Hydrant Assembly W/Valve And Box	5,000.00	5,000.00
20 LF	8" DR-18 C900 PVC Water Lateral	170.00	3,400.00
1 EA	8" Gate Valve & Box	1,600.00	1,600.00
20 LF	1-1/4" Water Lateral (1 Existing Home)	190.00	3,800.00
1 EA	Tapping Saddle, Corp, Stop & Box	600.00	600.00
TOTAL PRELIMINARY ESTIMATE		\$121,600.00	

Village Bielinski
\$2,500.00 \$2,500.00
\$400.00
\$3,500.00 \$3,500.00
\$51,415.00 \$33,930.00

ALTERNATE

1 EA	Remove And Replace Existing Driveway Culvert	\$2,400.00
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CONDITIONS:

- 1) Erosion control and tracking mat by others.
- 2) Clearing and grubbing by others.
- 3) Compaction testing by others.
- 4) Inspection by others.
- 5) Staking and layout by others.
- 6) Any cost related to handling abnormal soil conditions or contaminated ground to be negotiated.
- 7) Granular backfill.
- 8) All restoration by others.

Per Plan 395.5 Village
261.0 Bielinski

Please let me know if you have any questions regarding the information provided above.

Sincerely,

D. F. TOMASINI CONTRACTORS, INC.

Craig Derouin
Project Manager

GENERAL PUBLIC WORKS CONTRACTORS

EXHIBIT "E" (Addition)

Laurel Springs Addition No. 1: Offsite Improvements Village To Reimburse Developer

6/15/2020 CEDAR CREEK ROAD 12" WATER MAIN EXTENSION WORK	Bielinski Homes 2020 Proposals	Village of Jackson Approved Proposals 6/25/2020	Village of Jackson Bielinski Comments
PERMITS & FEES			
Other Fees/Permits	\$200.00	\$200.00	Show details of fees and permits paid
ENGINEERING			
Civil Engineering & As-Built (TRIO)	\$950.00	\$950.00	Provide fee / hours and details of work
Engineering Inspections	Not Included		Remove Village will not charge for hired inspector
Legal Fees	Not Included		Remove Village will not pay your legal fees
Survey/Stake Out (TRIO)	\$650.00	\$650.00	Provide fee & hours of work
Rough & Finish Grading/Erosion/Top Soil/Seeding Restoration	\$3,250.00	\$3,250.00	
Water Main (402' LF 8" & 12" PVC)	\$59,720.00	\$57,815.00	per DF Tomasini Quote October 11, 2019
Granular Backfill Roadways	\$10,296.00	Not included	Not needed spoil backfill
Residential Home-Culvert Replacement	\$2,400.00	\$2,400.00	
Dewatering	Not Included		
Final Asphalt Lift on Cedar Creek Rd. is Incorporated in the Laurel Springs Add. No. 1 Developers Agreement	Not Included		
SITE WORK TOTAL	\$77,466.00	\$65,265.00	



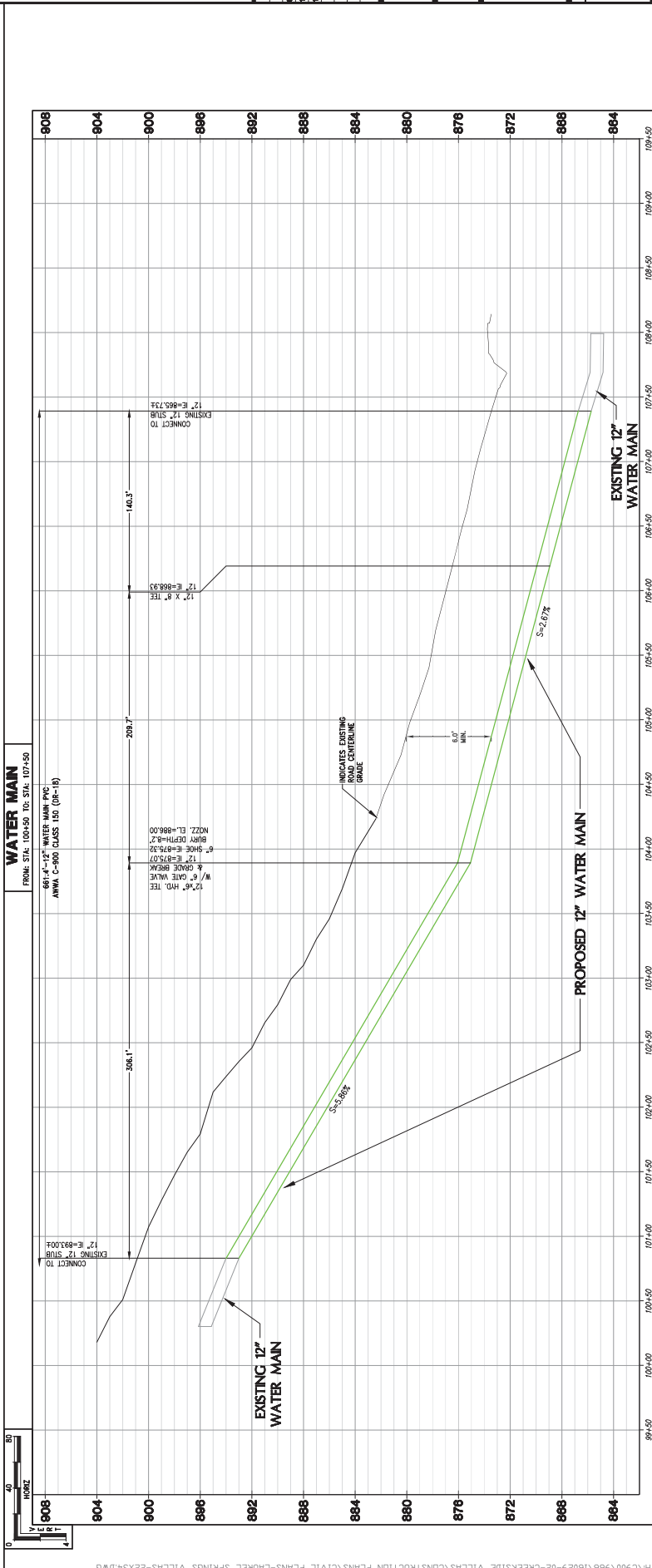
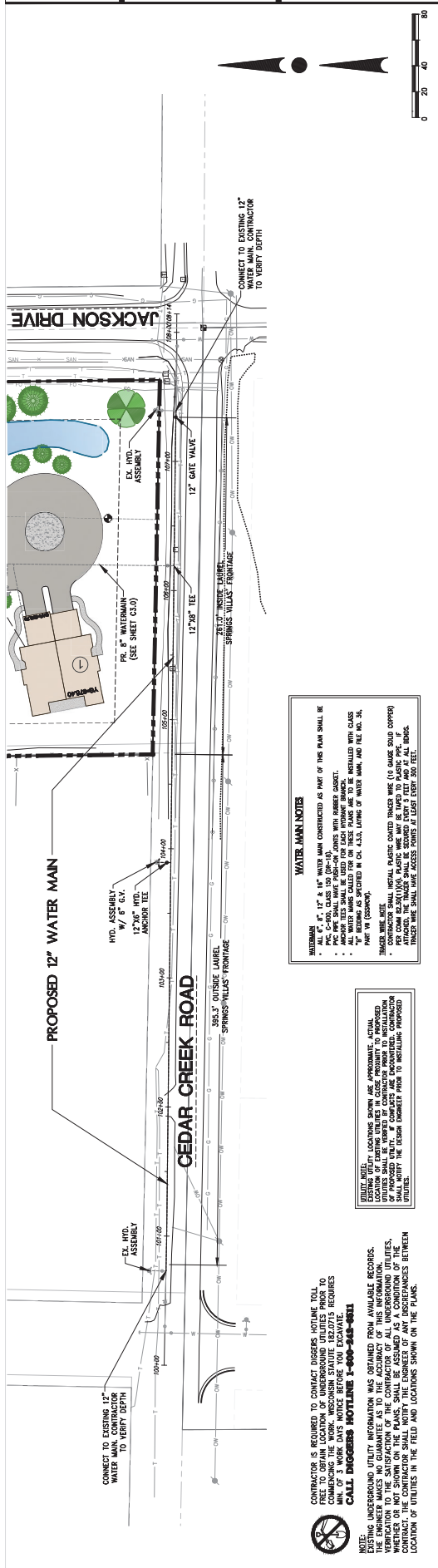
PROJECT:
LAUREL SPRINGS VILLAS
MULTI-FAMILY RESIDENTIAL DEVELOPMENT
VILLAGE OF JACKSON, WISCONSIN
BY: BIELINSKI HOMES
1830 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY	
DATE	DESCRIPTION
04/04/2019	INITIAL SUBMITTAL
09/09/2019	PLAN UPDATE
09/09/2019	PLAN UPDATE

DATE:
DECEMBER 19, 2019

JOB NUMBER:
16029-02

DESCRIPTION:
PROPOSED CEDAR
CREEK ROAD
WATER MAIN PLAN

C3.1
SHEET

 CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

CALL DIGGERS HOTLINE 1-800-243-6611

NOTE: EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.

WATER MAIN NOTES

- ALL 6", 8", 12" & 16" WATER MAIN CONSTRUCTED AS PART OF THIS PLAN SHALL BE CLASS C-308. CLASS 150 (DN-18).
PVC PIPE SHALL HAVE PUSH-ON JOINTS WITH RUBBER GASKET.
ANCHOR TEES SHALL BE USED FOR EACH HYDRANT BRANCH.
ALL WATER MAINS CALLED FOR ON THESE PLANS ARE TO BE INSTALLED WITH CLASS 150 BEDDING AS SPECIFIED IN CH. 4.3.0, LAYING OF WATER MAIN, AND FILE NO. 36, PART VA (SS50W).

1287

UTILITY NOTE:
EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATION OF EXISTING UTILITIES IN CLOSE PROXIMITY TO PROPOSED UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLATION OF PROPOSED UTILITY. IF CONFLICTS ARE ENCOUNTERED, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER PRIOR TO INSTALLING PROPOSED UTILITIES.

Payne & Dolan, Inc.
N173W21120 Northwest Passage
Way
Jackson, WI 53037



RONI LAMARCHE
Direct: 262-524-1976
Cell: 262-366-5088
Fax: 262-677-5530
rlamarche@payneanddolan.com

Quotation

QUOTATION TO:

Village of Jackson
Attn: Brian Kober

Date: June 9 2020

Letting Date:

Proposal:

Project Name: Jackson Cedar Creek bike path

Project Location: Cedar Creek rd. and CTH P

For furnishing the necessary labor, material and equipment to complete the following:

2020 Work

1. Install a 1.5" lift of Payne and Dolan 12.5MM commercial grade asphaltic surface on Approx. 3800' by 5' at the same time as paving the mainline pass for the Town of Jackson.
2. Includes a tack coat between lifts

2020 Approx. price 180 ton @ \$60.50/ton = \$10,890.00
Will be paid by actual tons laid

NOTES:

- Bid does not include purchase or installation of stone for shoulders; owner will do it on their own.
- This Proposal does not include any striping for this project.
- Includes 1 paving mobilization for paving the entire roadway section.
- This price does not include Railroad flaggers to pave within the 25 feet of the Railroad tracks.
- **If unstable subgrade or base course conditions are encountered during construction, the above pricing does not include the undercut or stabilization of the unstable material, which must take place prior to completion of the asphalt paving.**
- Late season paving after November 15 and early season paving before May 15 is not figured in this bid.
- Lower layer pavements require 40 degrees or higher and surface pavements require 50 degrees or higher. Pavements placed in lower temperatures will be at the owner/contractors written direction and without warranty.

*If you have any questions on this Quotation, please call me at the contact information listed above.
Thank you!*

IF THIS QUOTATION IS NOT ACCEPTED AND RETURNED WITHIN 30 DAYS FROM THE DATE OF THIS QUOTATION OR IF THE WORK IS NOT COMPLETED BY October 1 2020, PAYNE & DOLAN, INC. RESERVES THE RIGHT TO WITHDRAW THE QUOTATION OR MODIFY THE TERMS OF THE QUOTATION/CONTRACT.

STANDARD TERMS AND CONDITIONS

Changed Conditions: Any changed condition of the job specifications involving extra costs will be performed only upon submission of a written change order, and Owner/Contractor will be required to pay to Payne & Dolan, Inc. an extra charge over and above the original contract price for performance of the requested change order.

Subgrade/Aggregate Base: The Owner/Contractor is responsible to furnish Payne & Dolan, Inc. a suitable subgrade/aggregate base having the ability to support the maximum axle loads transmitted from the heaviest construction and/or vehicle traffic anticipated as not to cause any deformation to the subgrade/aggregate base. All subgrade must be rough graded by Owner/Contractor to within $\pm 0.1'$ of the proposed plan subgrade elevations.

Cold Weather Paving: Per section 450.3.2.1.1 and 450.3.2.1.2 in the Wisconsin DOT Standard Specifications, if Payne & Dolan, Inc. is directed to place any asphaltic mixtures outside of WDOT specified date range, Payne & Dolan, Inc., will not be responsible for damage or defects attributed to temperature or other weather conditions. Replacement or repairs will be done on a time and material basis.

Liquidated Damages: It is understood and agreed that the Owner/Contractor will not assess liquidated damages against Payne & Dolan, Inc. prior to meeting with and providing Payne & Dolan, Inc. with documentation demonstrating that Payne & Dolan, Inc. failed to complete their portion of work within the time agreed upon in the contract or within such extra time as may have been allowed by extensions. Any arbitrary assessment will be subject to a 1.5% per month service charge.

Insurance/Indemnification: This Quotation is contingent upon the express agreement that indemnification, defense, additional insured status and waivers of subrogation, if required by the Owner/Contractor, shall be provided by Payne & Dolan, Inc., but only to the extent of Payne & Dolan, Inc.'s negligent acts or omissions in the performance of its work. Owner/Contractor to carry any necessary property insurance on the Work. Payne & Dolan, Inc.'s workers are fully covered by Workers' Compensation Insurance. Payne & Dolan, Inc. will meet insurance limits of liability by using a combination of primary insurance policies and umbrella/excess policies.

Incorporation: If any other agreement is entered into between the parties, the terms of this agreement shall be incorporated into any such agreement and shall supersede any conflicting terms contained therein.

Memo

To: Brian Kober
From: Dan Rathke *DR*
CC: Jeff Deitsch
Date: 6/24/2020
Re: Well #3 sand issues

Well #3 has had sand issues in 1982, April 2009, and most recently June 2020. This well has a history of sand problems. In 1982 the recommendation was to pump the well at 750 GPM to be sand free. In 1998, CTW Corporation had perma-core blast the well to increase the capacity of the well. Although we did get over 900 GPM out of the well we had developed a sand problem after 11 years. We had decided to install a variable frequency drive to reduce the impact on the aquifer at start up. We also set the GPM at 700 and slowly increase it if we need to. I had requested quotes from 3 contractors to pull the pump, install a submersible pump to clean the well, and to reinstall the pump. I had received 2 very comparable quotes and one contractor had elected to abstain from submitting a quote because of their workload. Water Well Solutions had submitted a price of \$14,900.00. Municipal Well and Pump Submitted \$14920.00. Recommend we hire Water Well Solutions as they are the contractor that repaired the well 11 years ago. The well will remain out of service until the repairs are made.

Dan Rathke
Water Utility Supervisor



Water | Advanced Solutions

June 22, 2020

Jackson Water Utility
Dan Rathke
PO Box 147
Jackson, WI 53037

Re: Well # 3 sand issue

Dear Dan,

On June 12th, I met Jeff Kruetzinger at Well 3 to investigate the potential sand problem. Jeff informed me that they had shut off the pump due to sand production so we had to be very careful in attempting to restart if it had become sand locked. We were able to run water into the pump backwards through the check valve to wash accumulated sand from the pump. We then started the pump and ran through the isolated nearby hydrant at about 500gpm where we reduced the sand content greatly but it was clear that much more development would be needed.

Per your request, Water Well Solutions is pleased to provide the following proposal to install a temporary submersible pump in Well # 3 to allow the utility to develop the sand out of the well over time. This is the format we used back in about 2007 and it allowed close to 10 years of service. As discussed, we recommend removal of your pump and installation of a temporary submersible pump to allow you to "overpump" the well in an effort to develop out the sand and allow us to simply remove the temporary pump and re-install your existing pump, which we installed in 2018.

Once the temporary pump is installed, we can go through some simple procedures to assist in developing out the sand and we can answer any questions you might have.

Proposed scope of work:

Step #1:	
• Remove existing pump from Well 3	\$2,700.00
Step #2	
• Televis well to see current conditions	\$650.00
Step #3	
• Bail fill from well if necessary	
• Chlorinate the well and Install temporary sub pump capable of 1000gpm	
• Re-program VFD to operate temporary sub pump	
• Run temporary pump to waste and go through proper Start-up, running and shutdown procedures with Village	
• Leave temporary sub in the well to allow village personnel To utilize the pump to slowly develop sand from well.	\$5,650.00

Step #4

- Return to site and remove temporary pump
- Bail fill created during development
- Chlorinate well, re-install owners' pump
- Re-program VFD
- Collect bacti samples

\$5,900.00

~~\$14,900.00~~

Note – if the temporary pump wears to the point of failure during the test pump phase then we would need to remove, repair and re-install the pump. This would require an additional investment of \$10 - \$11k.

Option:

- Install airlift pipe and provide a rental air compressor to “pump” the sand from the well with high pressure / high volume air. This being a more complex procedure, we would need to provide an on-site crew to safely operate this equipment. The investment for airlift pipe instead of temporary sub pump is \$3,750.00/day – estimate 10 days

Option:

Airburst limestone formation and install Lamna-flo suction control at pump inlet

- Upon removal of owners' pump the well would be Airburst to clear debris from fractures in the rock formation
- Debris would be airlifted from the well to a temporary dumpster until sand free or until owner gives approval to move forward with pump installation
- Test pump is installed to determine whether any sand remains and at what rates of flow
- Owners' pump is re-installed with site specific designed lamna-flo unit.

Estimated budget for lamna-flo option

\$40,000.00 - \$50,000.00

We've attached a brochure for the Lamna-flo (AKA Aqua-stream) for a better understanding of how and why it is effective.

At the time of this writing we are awaiting a price for the lamna-flo unit which we recommend be installed after any development work you choose to perform. We have attached a brochure explaining the advantages of lamna-flo for your review.

Please do not hesitate to contact us with questions regarding this proposal. We look forward to hearing from you soon.

Sincerely,

Peter Bennin

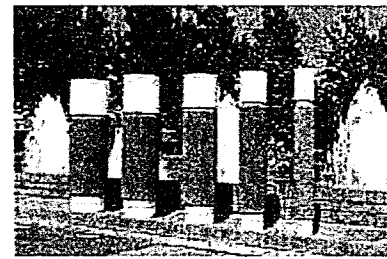
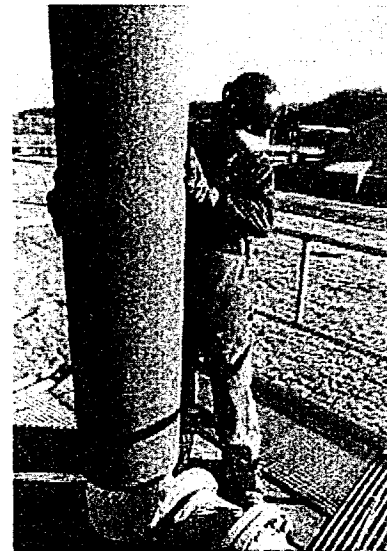
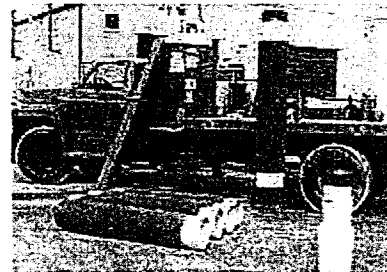
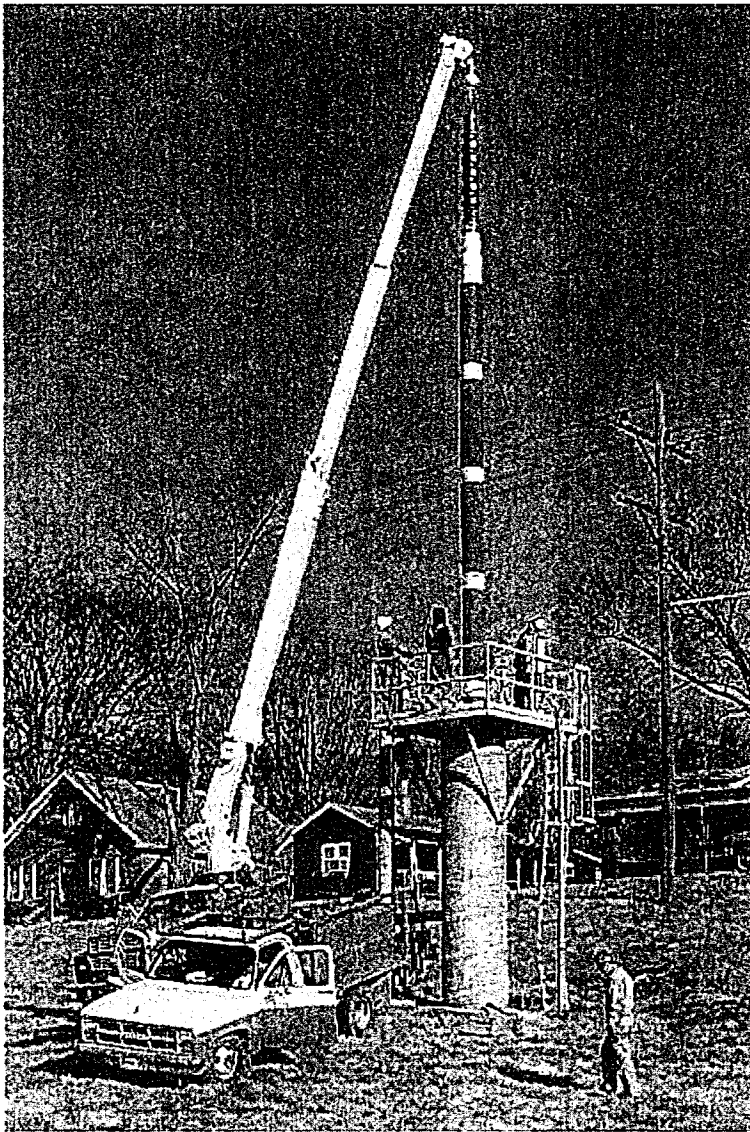
Peter Bennin
Project Manager
Water Well Solutions



Sand Control Technologies

P.O. Box 136213, FORT WORTH, TEXAS 76136, PHONE: (817) 237-2195, FAX: (817) 237-5815

E-MAIL: INFO@AQUASTREAM.COM



Aquastream™ Suction Flow Control Device

Sand Control and Flow Management for Water Wells

The Aquastream™ Advantage

Eliminate sand pumping and improve overall well performance

Aquastream is a suction flow control device designed to slow down and re-direct the flow of water in a vertical well. Aquastream can be installed in a variety of configurations to fit specific well designs and functions.

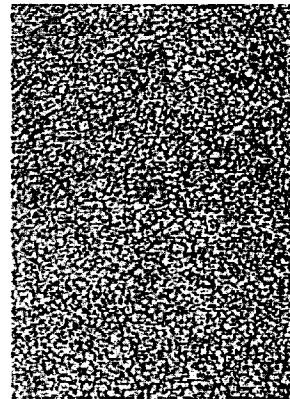
Aquastream produces the following results:

- Control sand pumping
- Reduce drawdown
- Increase well yield
- Lower operating costs
- Extend service life of the well

Aquastream can be installed in new or existing wells without modification to the well. For optimum results with older wells, a thorough well cleaning may be recommended before installation. Aquastream offers a full line of well rehabilitation products and services.

Exclusive Design

Aquastream, a patented design, is constructed of slotted PVC pipe that is coated with a special silica/epoxy compound.

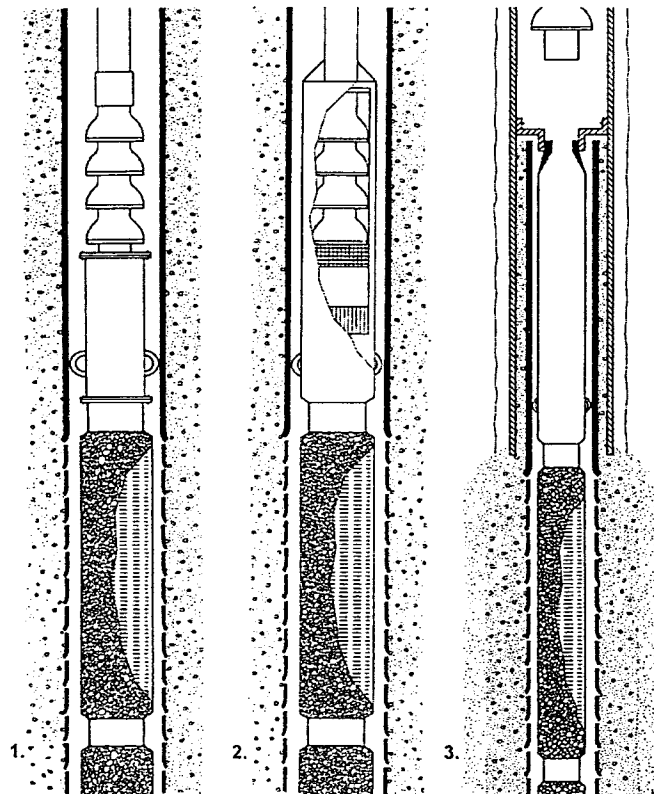


Each unit can vary in diameter and length to fit a variety of well sizes. Units can be assembled together or separated with blank casing to fit the formations and screen settings of the specific well. Since it has no moving parts, the Aquastream has no operating costs and is virtually maintenance free.

Typical Applications for Aquastream

Aquastream is adaptable to the following pump and well installations:

1. **TURBINE PUMP** – The Aquastream is connected directly to the bottom of the bowl assembly.
2. **SUBMERSIBLE PUMP** – The Aquastream is connected to the bottom of an attachment jacket that encases the submersible pump and positions the unit in the well screen.
3. **2-PIECE WELL** – The Aquastream is positioned in a deep well to serve as a special liner. A seal, fitted to the larger casing, is attached to a connecting sleeve that positions the Aquastream in the well screen.



Principle of Operation

A German engineer first developed the process of utilizing a suction control device to redirect the flow of water into a well in the 1950's. In the late 1970's, field tests conducted in California helped to confirm the operation principle of a suction control device. Since then, thousands of Aquastream Systems have been installed worldwide, resulting in billions of gallons of sandfree water.

When a pump suction is set above the formation, Aquastream found that water flow entering the well is much greater near the pump suction. Water inflow velocity diminishes rapidly with distance from the pump. This continues until the pump energy is dissipated. In a typical well, 100% of the water is pumped from 25 to 50 percent of the well. In other words, in a typical well, half or more of the well produces no water at all. This uneven energy distribution is the direct cause of sand pumping, mineral incrustation and other problems. Simply stated, high turbulent water velocities carry sand into the well. To overcome this problem, the Aquastream system evenly distributes the pump's suction energy over the entire well, thereby eliminating areas of high water velocity. Energy is evenly dissipated, resulting in natural laminar flow throughout the well, yielding much higher outputs of sandfree water.

Typical well and Pump Operation without Aquastream Suction Control

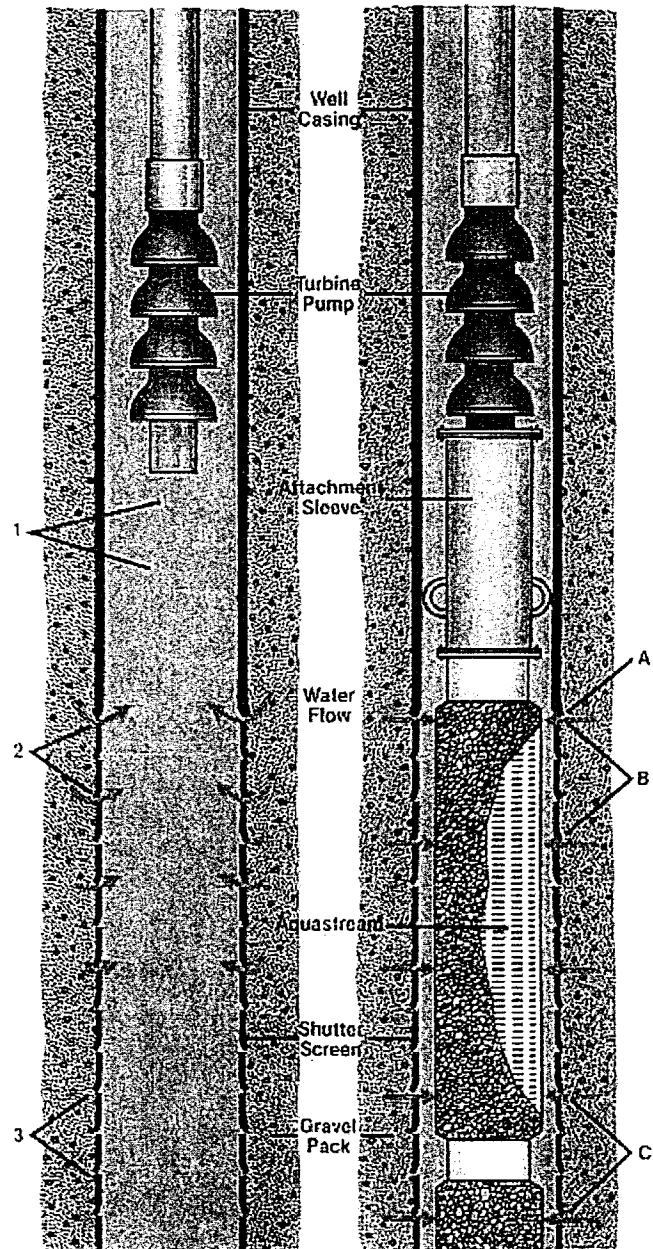
1. Pump suction is set above the top of the screen. This results in energy being released to the top of the screen first.
2. Water flow accelerates to turbulent flow, often drawing in sand, particularly on start-up
3. Energy is pushed downward in the well until it is dissipated. Little or no flow occurs through the remaining well screen, regardless of depth of the well.

Typical Well and Pump Operation with Aquastream Suction Control

- A. Water velocity is greatly reduced at the top of the well where most sand pumping originates.
- B. Drawdown is reduced and turbulent flow is shifted to uniform, laminar flow. This increases water output.
- C. Energy is dissipated evenly over the well. Water is extracted more uniformly throughout the well. Well yield is increased, sandfree.

**WELL WITHOUT
AQUASTREAM
SUCTION CONTROL**

**WELL WITH
AQUASTREAM
SUCTION CONTROL**



Project Profiles

The city of Madison, Indiana was experiencing sand problems with their No. 3 and No. 4 water wells. After several unsuccessful attempts to correct the problem, both wells were shut down. Aquastream was called in to evaluate the situation and recommended the installation of an Aquastream unit in each well.

Before shutdown, well No. 3 was producing sand at outputs of 100 gpm and above. After treatment and well redevelopment, the Aquastream Suction Flow Control Device was installed. Within two hours, the well was producing 1200 gpm sandfree. Specific capacity increased from 54 to 112 gpm/ft with a 10-15% reduction in electrical input. Installation of the simple device saved the city over \$50,000.

Due to the deteriorating condition of well No. 4 no redevelopment was performed. After the Aquastream was installed, light surging and slow rate pumping were required to stabilize the loose sand present in the gravel pack. A gradual increase in the pumping rate provided excellent results. Again, the city saved significant money and salvaged this well.

o o o o o o

Excessive pumping of sand had ruined a submersible water well pump for the city of Lone

Grove, Oklahoma. The gravel pack surrounding the well screen was being drawn through enlarged slots in the screen. Installation of an Aquastream was recommended to eliminate the problem.

Before the installation, Sonar Jet treatment was performed to clean the well screen and repair the gravel pack. After the Aquastream and a new submersible pump were installed, well production increased from 100 gpm to 125 gpm. Better quality, sand-free water was also provided. This solution saved the city from having to install a new well.

o o o o o o

The community of Auburn, Florida experienced spalling of sand and shell rock in one of their open-hole wells, creating highly turbid water. The situation was evaluated and the installation of an Aquastream Suction Flow Control Device was recommended.

The well was cleaned and an Aquastream slightly smaller than the diameter of the well was installed. This unit serves a two-fold purpose by acting as a barrier should another cave-in occur and redirects the water velocity without decreasing pumping capacity. The Aquastream eliminated the need to install a well screen and gravel pack that could have reduced pumping capacity by up to 50%.

Questions and Answers

1. Can the Aquastream work in an open-hole well?

Yes. If there is permeability in the lower portion of the rock or sandstone formation, the installation of Aquastream can change the water flow velocities to a more uniform velocity. It can also stop or greatly reduce sand pumpage.

2. Must the Aquastream always be attached to the pump?

No. Special fittings are made to allow the unit to sit in the screen of a deep well and effectively seal to the outer casing of a two-piece or open-hole well.

3. Is the Aquastream too heavy to attach to a turbine pump bowl?

Usually not. The submerged weight of the unit should not exceed the allowable tensile strength of most pump bowls. If the weight is marginal, then straps are added around the pump bowl to

compensate for the Aquastream weight under water.

4. Will Aquastream plug due to iron bacteria?

Yes. If iron bacteria are well established in an existing well, the installation of Aquastream will have no influence on the growth rate of iron bacteria. We recommend regular periodic sterilization of the well through the Aquastream device to control the growth of iron bacteria.

5. Will Aquastream work in all wells?

No. Some wells are simply poorly designed with a screen diameter too small to install the appropriate size unit for operation at the desired yield rate. However, if a lower acceptable rate can be determined by a trial installation, it may be possible to salvage a significant yield of water.



MUNICIPAL

WELL & PUMP

Project Proposal

Re: Jackson #3 - Pull & Inspect

Item #	Item Description	Quantity	Units	Unit Price	Extended Price
1	Mob/Demob crew and equipment	1	EA	\$ 2,680.00	\$ 2,680.00
2	Disconnect and remove pumping unit	1	EA	2,490.00	2,490.00
3	Provide video survey and reports	1	EA	1,020.00	1,020.00
4	Install/remove temp submersible & discharge	1	EA	5,270.00	5,270.00
5	, test equipment operations, provide instruction			-	-
6	Reinstallation of Pumping Unit	1	EA	3,460.00	3,460.00
7				-	-
8				-	-
9	Notes:			-	-
10	- Assumes pump is not obstructed in the well			-	-
11	- Pump equipment repairs, if appl, to be determined			-	-
12	- Well service, if appl, TBD			-	-
13	- Water sampling & analysis by Utility			-	-
14	- includes up to 75hp rated temp subm			-	-
15	- includes temp disch to designated storm			-	-
16	- Utility to monitor discharge & operations			-	-
17	- MWVP to provide well and pump repair			-	-
18	direction following inspections, video			-	-
19	and purging results			-	-
20				-	-
21				-	-
22				-	-
23				-	-
24				-	-
25				-	-
26				-	-
27				-	-
28				-	-
29				-	-
30				-	-
31				-	-
32				-	-
33				-	-
34				-	-
35				-	-
36				-	-
37				-	-
38				-	-
39				-	-
40				-	-
41				-	-
42				-	-
43				-	-
44				-	-
45				-	-
46				-	-
47				-	-
48				-	-
Total Project Proposal					\$ 14,920.00

Dated: June 23, 2020

By:

Tracy Greenfield

Tracy Greenfield
Senior Project Manager
Municipal Well & Pump

Stewardship Local Assistance, Federal Land & Water Conservation Fund, & Recreational Trails Program Grant Application

Form 8700-191 (R 01/18)

Page 1 of 5

Notice: Use of this form is required by the Department of Natural Resources (DNR) for any application filed pursuant to ss. NR 50.06, NR 50.21, and NR 51, Subchapters XI-XV, Wis. Adm. Code. Personal identifiable information will only be used in conjunction with the programs listed above. If you have any questions contact your local community service specialist. Personally identifiable information provided on this form will be used for program administration and will be available to requesters as required under Wisconsin's Open Records Law [ss. 19.31 - 19.39, Wis. Stats.].

Applicant		Individual Authorized to Act on Behalf of Applicant	
Village of Jackson		Brian W. Kober, P.E.	
Street or PO Box		Title	
W194 N16660 Eagle Drive		Director of Public Works	
City, State, Zip Code		Telephone Number	Fax Number
Jackson, WI 53037		(262) 677-0707	
County		E-Mail Address	
Washington		dirpubwks@villageofjackson.com	

Mail Check to (If different from applicant):

Name		Address	
Organization:		City	State ZIP Code

Section 1: Project Information

Project Title: Coffeerville Trail - Coffeerville to Eagle Drive						Financial Summary	
						Total Project Costs	Grant Request (up to 50%)
						\$219,600	\$45,000
Project Type: (select one)						Sponsor Match Sources:	
☒ Development ☐ Acquisition ☐ Rehabilitation ☐ Maintenance						Sponsor Funds:	
						Cash	\$ 174,600
						Force Account Labor	
						Force Account Equipment	
						Force Account Materials	
						Donations (Non-Governmental)	
						Land	\$
						Cash	
						Labor	
						Materials	
						Equipment	
						Other	
							\$
Project Location							
Township	Range	Section	¼	¼ ¼	County		
N	20	20	NE		Washington		
GPS Coordinates:							
Northing: 487877.9 Easting: 2490048.5							
Congressional/Legislative District Numbers							
WI Senate		WI Assembly		US Congress			
20		58		5			
D-U-N-S #						Total Sponsor Match:	\$174,600

Project Description

Provide a detail description of the project proposal that includes the primary purpose and goals; description of the project: public access and use; implementation and key partnerships; and operation and maintenance of the project.

Purpose and Goals: Continue development of CORP, which shows a trail segment along STH 60 from Ridgeway Drive to Eagle Drive. Furthermore, the Village is active in the 2035 planning process now. The planning efforts include this trail and includes future investing in and around Jackson. This project would provide a connection from the existing sidewalk at Coffeerville N168 W20101 Main Street to Eagle Drive, on the South side of the roadway. Currently, there is a gap in the sidewalk, trail system and this project would close that gap. The plan is to build smaller and easier to fund trail segments when development is also taking place within parts of the Village slated to see CORP improvements.

Description: The existing conditions contain a fairly flat profile, but driveways cross the path within the project limits. The WDNR surface water data viewer points to some wetland indicators east of Ridgeway Drive on the south side of STH 60. The trail is being proposed fully within the STH 60 right-of-way. Jackson has placed a similar trail within the STH 60 right-of-way, from CTH P to Industrial Drive, and from Ridgeway Drive to Eagle Drive, north side of STH 60. The proposed path would mirror that construction. Improvements to this segment would include a 10' HMA paved shared use path, 6:1 slope grass shoulders and 4:1 side slopes to match. The Village is in the process of working with the WDNR on permitting. The construction NOI should be obtained by mid-summer 2020, ahead of the grant decisions.

SEWRPC completed a wetland delineation for this project in 2018. The results of the survey indicate the delineated wetlands consist of atypical (mowed) wetland within constructed roadside ditches. These ditches were constructed and are maintained for storm water conveyance purposes and therefore are exempt from the protective area standards.

Access: The trail would be open to the public and would have a connectivity with the entire Village through nearby trails, sidewalks and bike accessible paved shoulders.

Land Management and Maintenance: Jackson would continue to maintain the right-of-way owned by the State of Wisconsin. Jackson is donating the land along this trail to the State by widening the right-of-way to an even dimension for a good portion of the route.

Key Partnerships: Jackson Schools, WisDOT, WDNR and Village of Jackson will all be part of the coordination on future roadway section and location of the trail.

Timeline: Spring 2020 = Design, Fall 2020 = Construction (Post Grant Award notification)

The "Coffeerville Trail" will advance the CORP vision and move the Village one step closer to being connected to areas along the Cedar Creek, Jackson Marsh, the Eisenbahn Trail, and potentially the Interurban Trail in Ozaukee County. Bicycle and pedestrian access on STH 60 per the shown link below is undesirable because of volume of traffic and speed. This trail helps eliminate that issues and provides the link that both the Village and public desire. <https://wisconsindot.gov/Documents/travel/bike/bike-maps/county/washington.pdf>

Some of the key destinations this segment links to or helps people reach are:

- * Shopping center at Eagle Drive
- * Stonewall Development
- * Areas along Cedar Creek and Jackson marsh
- * Living Word Lutheran High School
- * Hasmer Lake Park
- * STH 60 Trail west of Industrial Drive

**Stewardship Local Assistance, Federal Land & Water
Conservation Fund, & Recreational Trails Program
Grant Application**

Form 8700-191 (R 01/18)

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Section 2: General Project Information

1. **Park/Trail/Recreational Area Name:** Coffeeville Trail (i.e. Lakeshore Park, Big Ben Recreational Area, Six Mile Wilderness Trail, etc.)
- Total Park Acreage:** _____ **Acreage for this Project:** 0.89
- ☒ Project site is undeveloped ☐ Project site is partially developed
2. **Are there any underground utility easements or overhead power lines on the property?** Explain:
There are two high pressure gas lines running north-south, perpendicular to the trail. The crossings occur at roughly station 7+45 and 7+78 along the trail alignment. The team will minimize cuts (excavation and are not allowed to use heavy compaction equipment).
3. **How will the public access the property?** (select all that apply)
☒ Roadway ☒ Trail ☐ Adjacent applicant property ☐ By Water
☐ Other _____
4. **When will the property or facility be open to the public?** Always
5. **Who is the primary project manager?** ☒ Applicant from Page 1 ☐ Other - Specify: _____
6. **Who is handling the financial administration of the project?** ☒ Applicant from Page 1
☐ Other - Specify: _____
7. **Estimated Project Timeline:**
Acquisition: Have you already purchased the property? If yes, date 01/24/2019
If so, have you received a DNR "letter of retroactivity" for the project? ☐ Yes ☒ No
If no, anticipated closing date: _____
Development: Anticipated Start Date _____
Anticipated Completion Date _____
8. **Describe the current project site and use.** (Include physical characteristics, topography, vegetation cover type, presence of any waterways/wetlands, current land use and zoning classification, etc.)
The project site consist of existing STH highway right-of-way, farm field, and old farmstead, and a residential property. The Village acquired the farm field during 2019, farmstead and residential parcels as part of a larger Village campus plan that will house their public safety operations and other Village buildings. Future Ridgeway Drive connection is shown on the current design drawings.
9. **Are there any known controversies/complications with the proposed project?** Are there any measures proposed to address the controversies/complications?
Not Applicable. The public supports this project.
10. **Has the area been surveyed for endangered and rare species?** If yes, explain.
Yes, there are no endangered or rare species impacts by this project.
11. **Have you discussed the project with your regional DNR Community Services Specialist?** ☒ Yes ☐ No
DNR Contact Sara deBruijn on 4/27/2019

**Stewardship Local Assistance, Federal Land & Water
Conservation Fund, & Recreational Trails Program
Grant Application**

Form 8700-191 (R 01/18)

Page 4 of 5

IF ACQUISITION:

12. The landowner (seller) is a(an): ☐ Individual ☐ Developer ☐ Corporation ☐ Other: _____
13. Is the property located within the boundaries of another unit of government? ☐ Yes ☒ No
If yes, attach copy of approval resolution from other jurisdiction.
14. Is the property currently being leased or rented? ☐ Yes ☒ No
If yes, Date agreement expires: _____
If yes, explain and include copy of the lease.
15. Are there any buildings on the property? ☐ Yes ☒ No
If yes, explain what will be done with them.
16. After (or at the time of) the land purchase, will a conservation easement be executed on the property? ☐ Yes ☒ No
If yes, explain and attach draft easement.
17. Did the seller originally acquire property 3 or less years before expected date of purchase? ☐ Yes ☒ No
If yes, attach copy of seller's deed for potential grant calculation purposes.
18. Will the property be transferred to another eligible sponsor? ☐ Yes ☒ No
If yes, explain and provide the adopting resolution from the accepting sponsor.
19. Is seller requiring payment for property over time? ☐ Yes ☒ No
If yes, explain.

IF DEVELOPMENT:

20. Does someone other than the applicant from page 1, own the site? ☒ Yes ☐ No
If yes, explain and attach easement or lease document.
ANR Pipeline owns an easement crossing the land. The easement destination is attached.
21. Does the State of Wisconsin own the site? ☒ Yes ☐ No
If yes, explain and attach the land use agreement/memorandum of understanding.
The project team plans to secure a WisDOT right-of-way permit for work within the WisDOT right-of-way.
Currently, sidewalk exists at the trail's west project limit. Our project would connect to that walk.
22. What soil disturbance will be occurring on the site and what is the size of the total disturbed area?
The total disturbed area is 38,887 square feet or 0.89 acre. The project is approximately 0.4 miles long by 15-20' wide.

Stewardship Local Assistance, Federal Land & Water Conservation Fund, & Recreational Trails Program Grant Application

Form 8700-191 (R 01/18)

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Required Application Attachments

Please submit the following documents as attachments to the grant application. Note that some attachments are only applicable to select project types.

Acquisition Project	Development Project	Required Application Attachments
	X	Grant Application (Form 8700-191)
	X	Response to Ranking Questions & Criteria (Form 8700-338)
	X	Project Resolution from Grant Applicant
	X	Project Location Map
	X	Project Boundary Map
	X	Topographical Map
	X	Legal Description and GPS Coordinates
	X	Environmental Hazards Assessment Form (Form 1800-001)
	X	Cost Estimate Worksheet (Form 8700-014)
	X	Estimated Construction/Acquisition Timeline
	X	Site Plan (For Development projects -show facilities to be constructed with grant assistance; for Acquisition projects- identify planned trails or facilities.)
	N/A	Remediation Plan and (if available) signed DNR Final Close-Out Letter – Applicable only to projects with brownfields.
	N/A	Copy of related grant application and/or grant agreement (applicable only If applicant is proposing a grant as all or part of their local match)
	N/A	Public Access & Acceptable Uses Form (Form 8700-332)
		Appraisal (applicable to all acquisition projects and development projects that propose land donations as match)
		Offer to Purchase (if available)
		Relocation Plan (if applicable)
		Agricultural Impact Statement (if applicable)
		Copy of Seller's Deed (applicable only if seller has owned property for less than three years)
		Approval resolution from jurisdiction in which acquisition property is located (if property to be acquired is located outside of the applicant's jurisdiction)
		Agricultural resource impact determination document from DATCP (applicable only to acquisition projects with agricultural activity on the property)
N/A	N/A	Copy of Warranty Deed, Draft or Final Easement, Land Use Agreement, or Lease Document
		Required permits, if available
	N/A	Map showing the proposed project relative to the related larger trail system (for RTP trail projects only; map should identify roads and bridges).

Certification

I certify that information in this application and all its attachments are true and correct and in conformity with applicable Wisconsin Statutes.

Name of Authorized Representative

Brian Kober

Title

Director of Public Works

Signature

Date Signed

4/30/2020

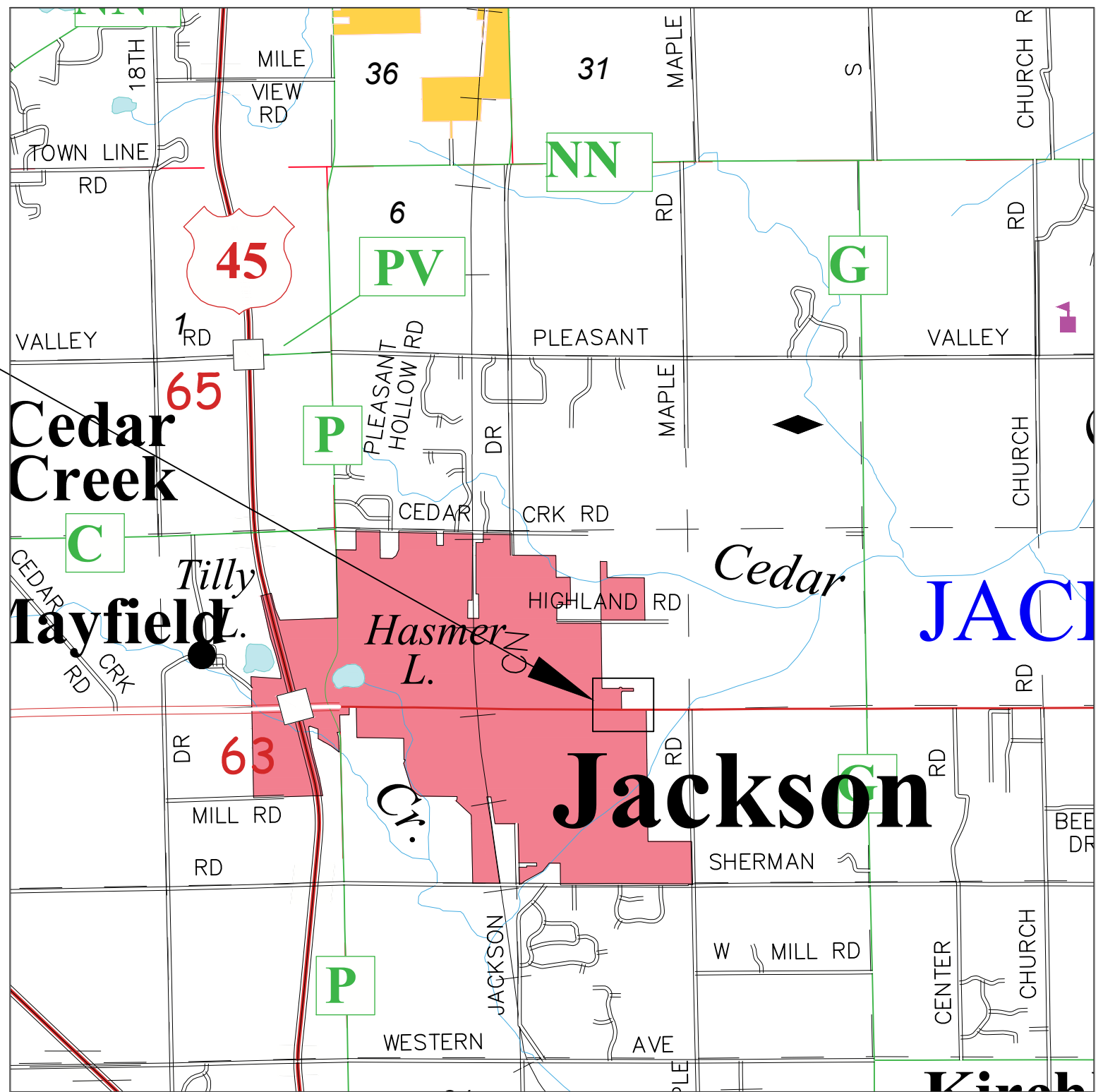
COFFEE CONNECTION TRAIL
STH 60, JACKSON DRIVE TO EAGLE DRIVE, SOUTH SIDE
VILLAGE OF JACKSON
WASHINGTON COUNTY, WI

100% PLAN SUBMITTAL
8/23/2019



WASHINGTON
COUNTY,
WISCONSIN

SITE LOCATION



PAGE INDEX

C-0	TITLE PAGE
C-1	PROJECT OVERVIEW
C-2 to C-3	EROSION CONTROL & TRAFFIC CONTROL
C-4 to C-5	INTERSECTION DETAILS, CURB RAMP DETAILS
C-6 to C-9	PLAN & PROFILES
C-10 to C-25	CROSS SECTIONS

LEGEND

● - SET IRON STAKE	13 - SCHEDULE "B" ITEM
· - FOUND IRON PIPE	A - ENCROACHMENT ITEM
P/L - PROPERTY LINE	B-4 - BORING
x 100.00 - EXISTING SPOT ELEVATION	⊗ - CLEAN OUT
⊗ - SEWER MANHOLE	⊠ - TRANSFORMER
⊙ - COMMUNICATION MANHOLE	⊠ - AIR CONDITIONER
⊙ - ELECTRIC MANHOLE	● - BOLLARD
■ - CATCH BASIN	— - UNDERGROUND WATER
① - TRAFFIC MANHOLE	— - UNDERGROUND ELECTRIC
EM - ELECTRIC METER	— - UNDERGROUND TELECOMMUNICATIONS
GM - GAS METER	— - OVERHEAD ELECTRIC
⊗ - WATER VALVE	— - UNDERGROUND GAS
⊗ - GAS VALVE	— - SANITARY SEWER
⊗ - HYDRANT	— - STORM SEWER
△ - TRAFFIC SIGNAL	— - CHAIN LINK FENCE
□ - UTILITY BOX	— - SILT FENCE
⊙ - UTILITY POLE	— - HAND RAIL
▼ - FLOOD LIGHT	— - WETLAND
☆ - LIGHT POLE	— - FLOOD PLAIN
● - WELL	— - PERMANENT POOL
⊙ - CURVE TABLE ITEM	— - PRIMARY ENVIRONMENTAL CORRIDOR
	— - SAW CUT

CONTACT LIST

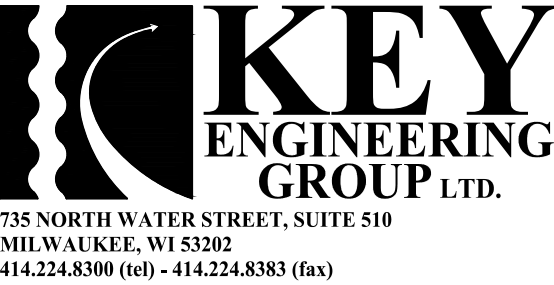
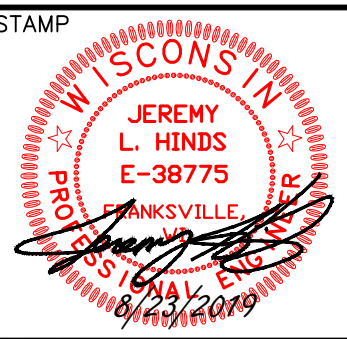
KEY ENGINEERING GROUP LTD CONTACTS
JEREMY HINDS, P.E. - jhinds@keyengineering.com - 414-224-8300 ext. 203
COURTNEY TOWLES - ctowles@keyengineering.com - 414-224-8300 ext. 214

MUNICIPALITY / OWNER CONTACT
BRIAN KOBER, P.E. - dirpubwks@villageofjackson.com - 262-677-0707

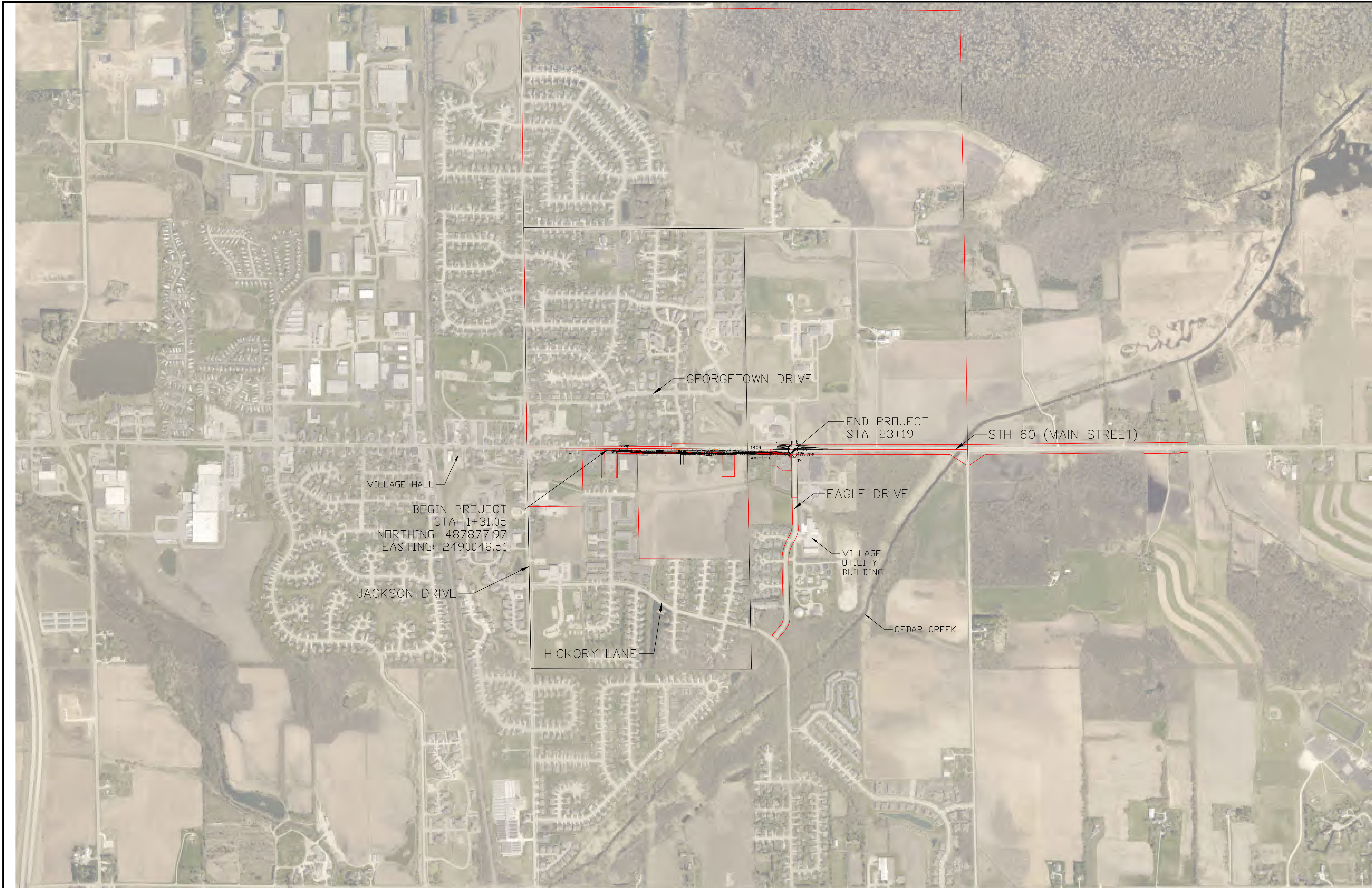
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CONCERNING TYPE AND LOCATION OF UNDERGROUND
UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR
ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE
FOR MAKING HIS OWN DETERMINATIONS AS TO THE
TYPE AND LOCATION OF UNDERGROUND UTILITIES AS
MAY BE NECESSARY TO AVOID DAMAGE THERETO."

REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY CAT / JLH	ISSUANCE TYPE
				DRAWN BY CAT	100% PLANS
				APPROVED BY JLH	
				DATE 2/22/2019	DATE 5/2/2019

PROPOSED PLAN SET
COFFEEVILLE TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI



KEY PROJECT NUMBER 1807-0203
PROJECT SCALE
SHEET NUMBER C-0



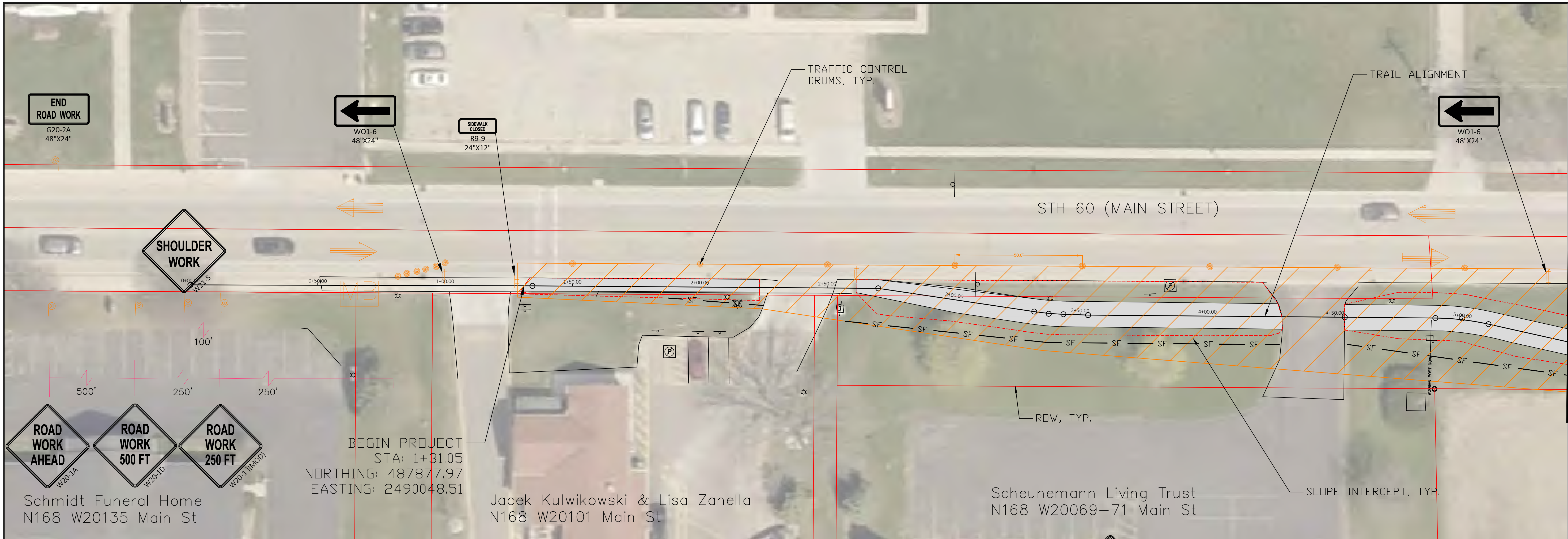
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				APPROVED BY JLH	
				DATE 8/13/2019	
					DATE 8/23/2019

PROJECT OVERVIEW
COFFEEVILLE TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

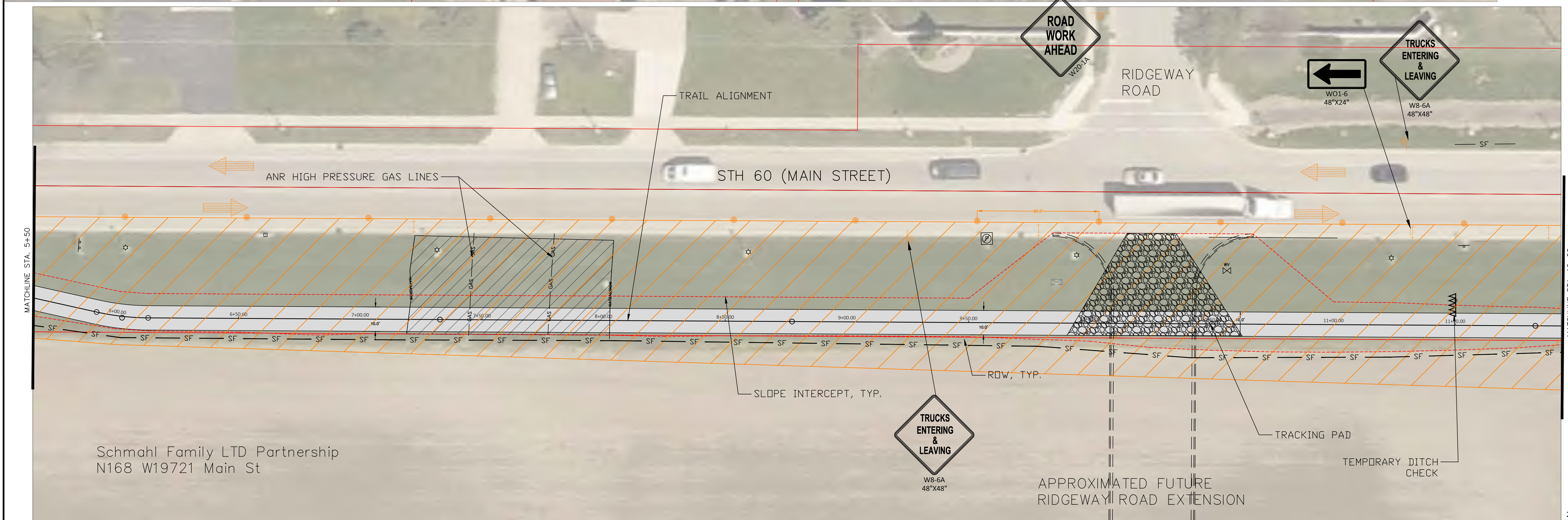
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KEY PROJECT NUMBER 1807-0203
PROJECT SCALE 1" = 500'
SHEET NUMBER C-1



- LEGEND:**
- [Symbol] = BARRICADE WITH SIGN
 - [Symbol] = SIGN ON TEMPORARY FOLDABLE STAND
 - [Symbol] = SIGN ON TEMPORARY GROUND MOUNTED POST
 - [Symbol] = TRAFFIC CONTROL DRUM
 - [Symbol] = WORK ZONE
 - [Symbol] = CULVERT PIPE CHECK
 - [Symbol] = TEMPORARY DITCH CHECK
 - [Symbol] = SILT FENCE
 - [Symbol] = INLET PROTECTION, TYPE C



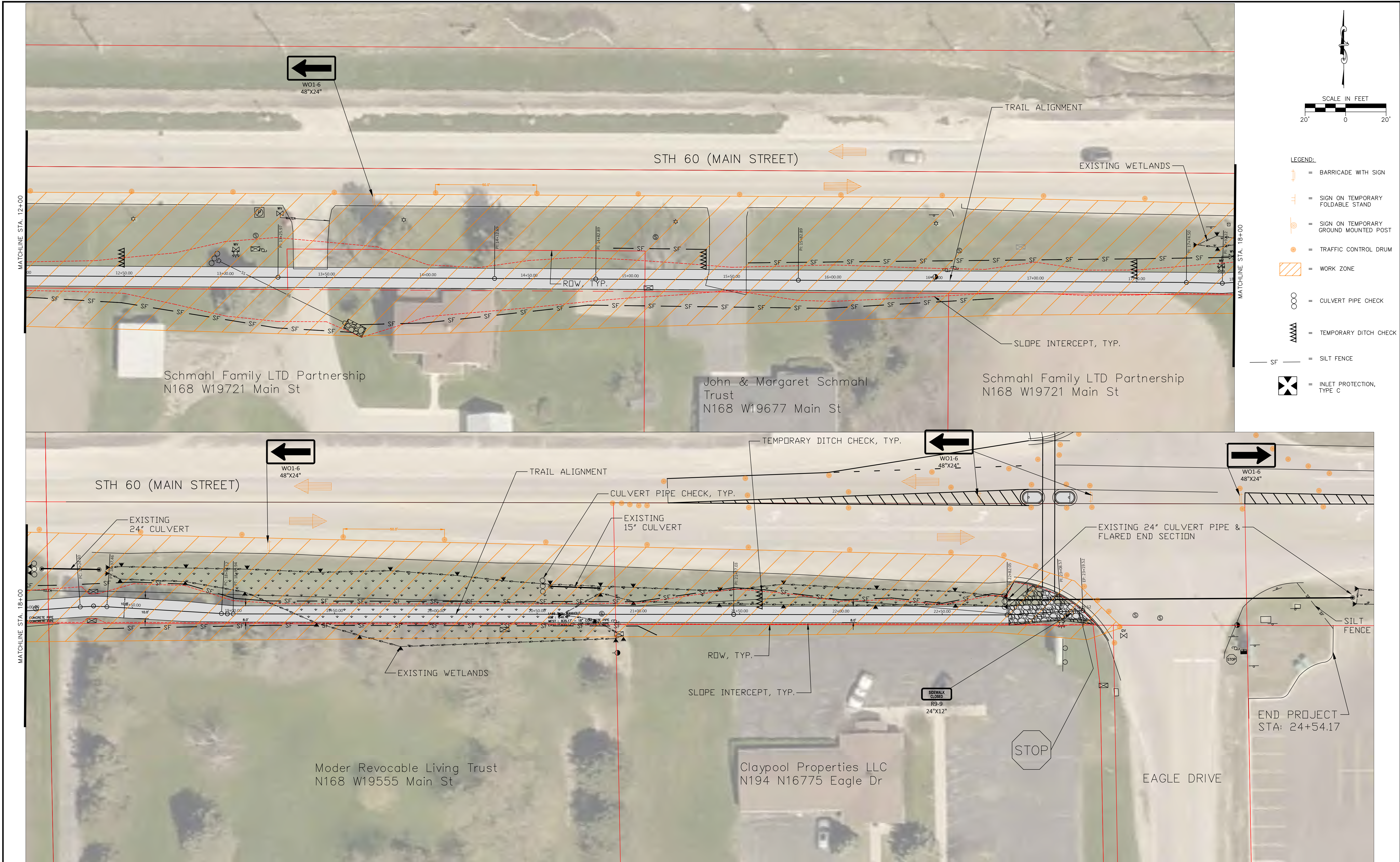
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				DRAWN BY CAT / JLH	
				APPROVED BY JLH	
				DATE 2/21/2019	DATE 2/22/2019

PROPOSED TRAFFIC CONTROL & EROSION CONTROL PLAN
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

STAMP

KEY ENGINEERING GROUP LTD.
735 NORTH WATER STREET, SUITE 510
MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)

KEY PROJECT NUMBER 1807-0203
PROJECT SCALE 1" = 20'
SHEET NUMBER **C-2**



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	ISSUANCE TYPE
				JLH	90% PLANS
				DRAWN BY CAT / JLH	
				APPROVED BY JLH	
				DATE 2/15/2019	DATE 2/22/2019

PROPOSED TRAFFIC CONTROL & EROSION CONTROL PLAN
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

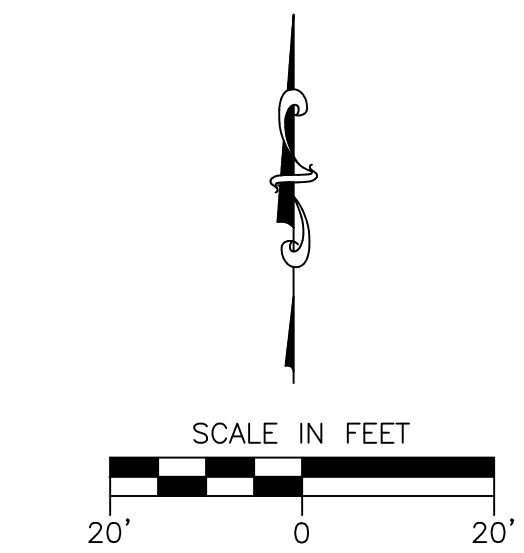
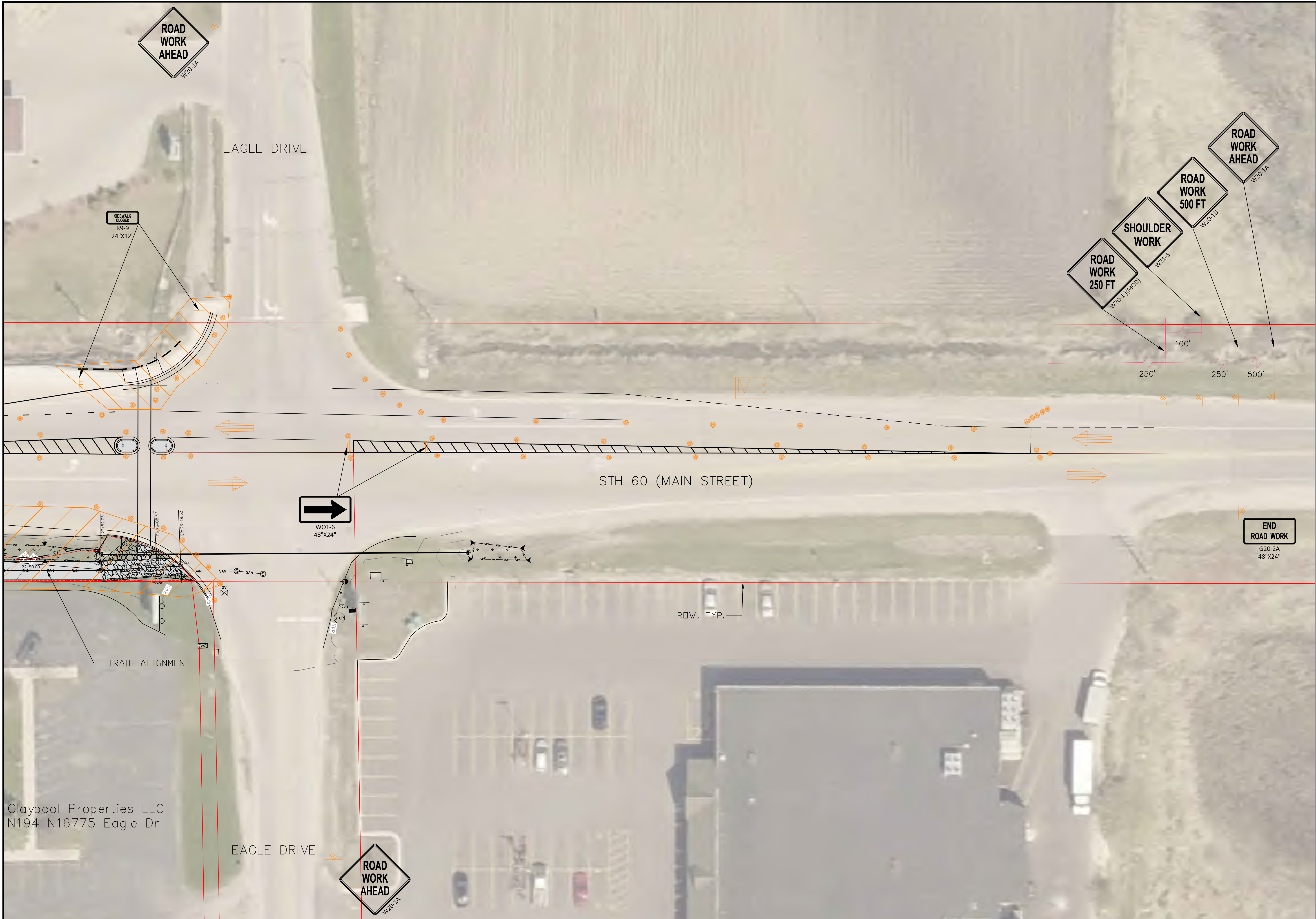
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KEY ENGINEERING GROUP LTD.
735 NORTH WATER STREET, SUITE 510
MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)

KEY PROJECT NUMBER
1807-0203

PROJECT SCALE
1" = 20'

SHEET NUMBER
C-3A



- LEGEND:
- = BARRICADE WITH SIGN
 - = SIGN ON TEMPORARY FOLDABLE STAND
 - = SIGN ON TEMPORARY GROUND MOUNTED POST
 - = TRAFFIC CONTROL DRUM
 - = WORK ZONE
 - = CULVERT PIPE CHECK
 - = TEMPORARY DITCH CHECK
 - = SILT FENCE
 - = INLET PROTECTION, TYPE C

Claypool Properties LLC
N194 N16775 Eagle Dr

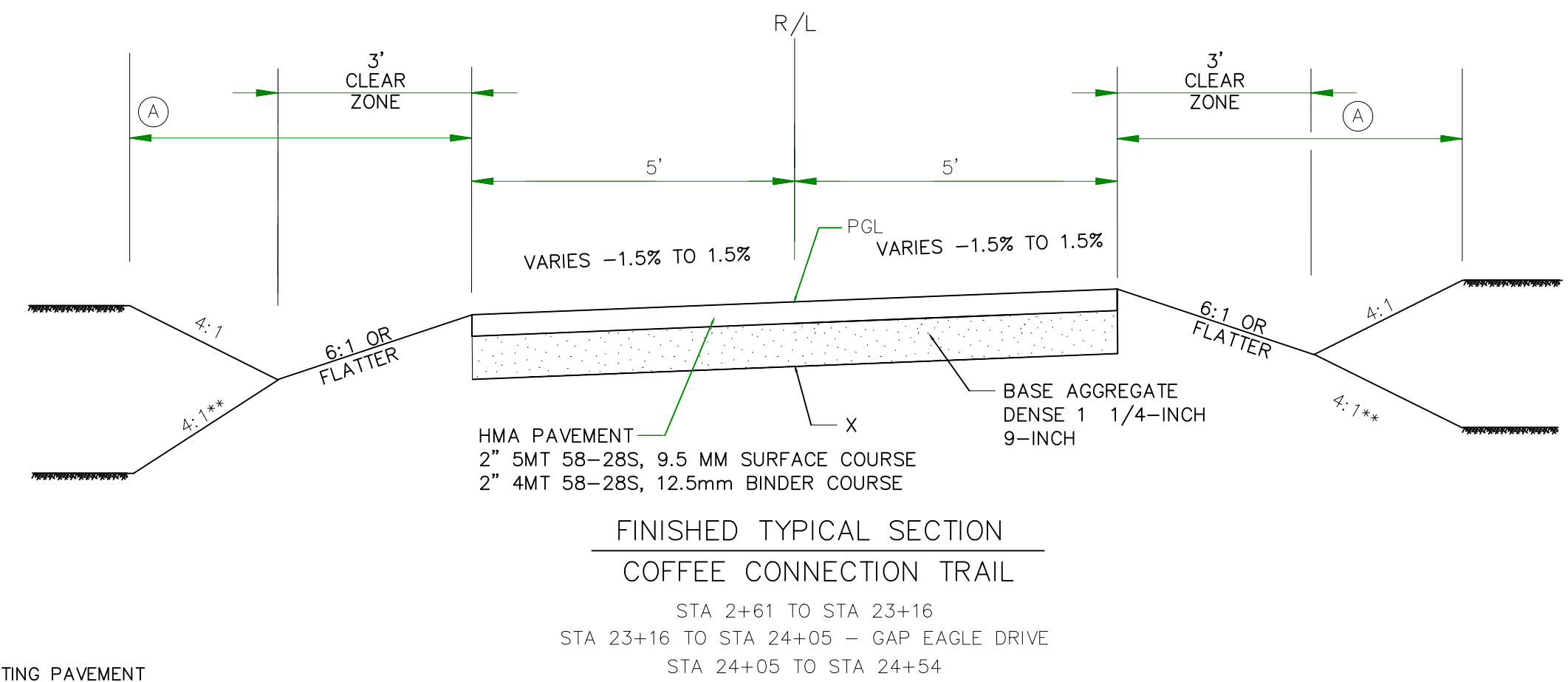
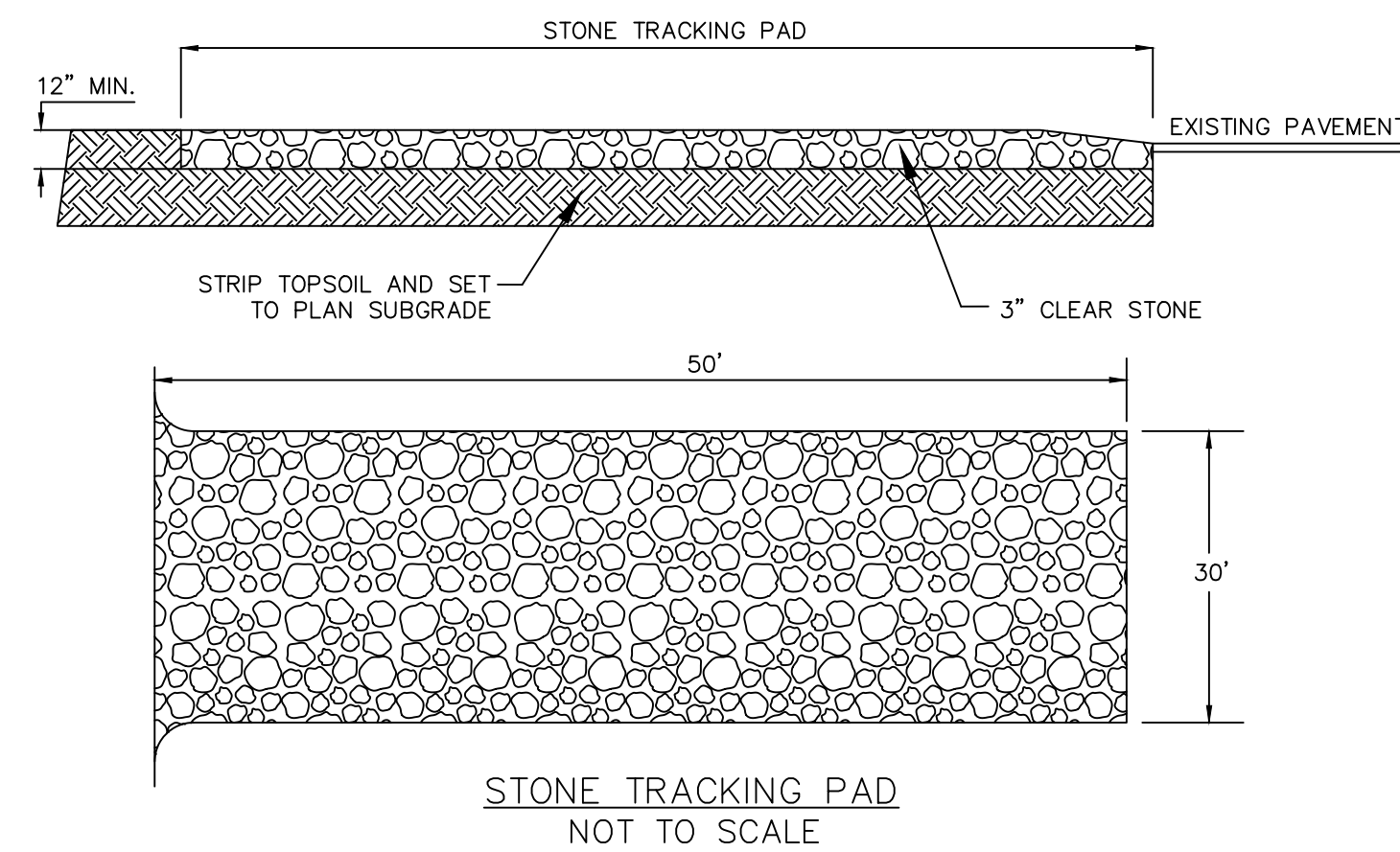
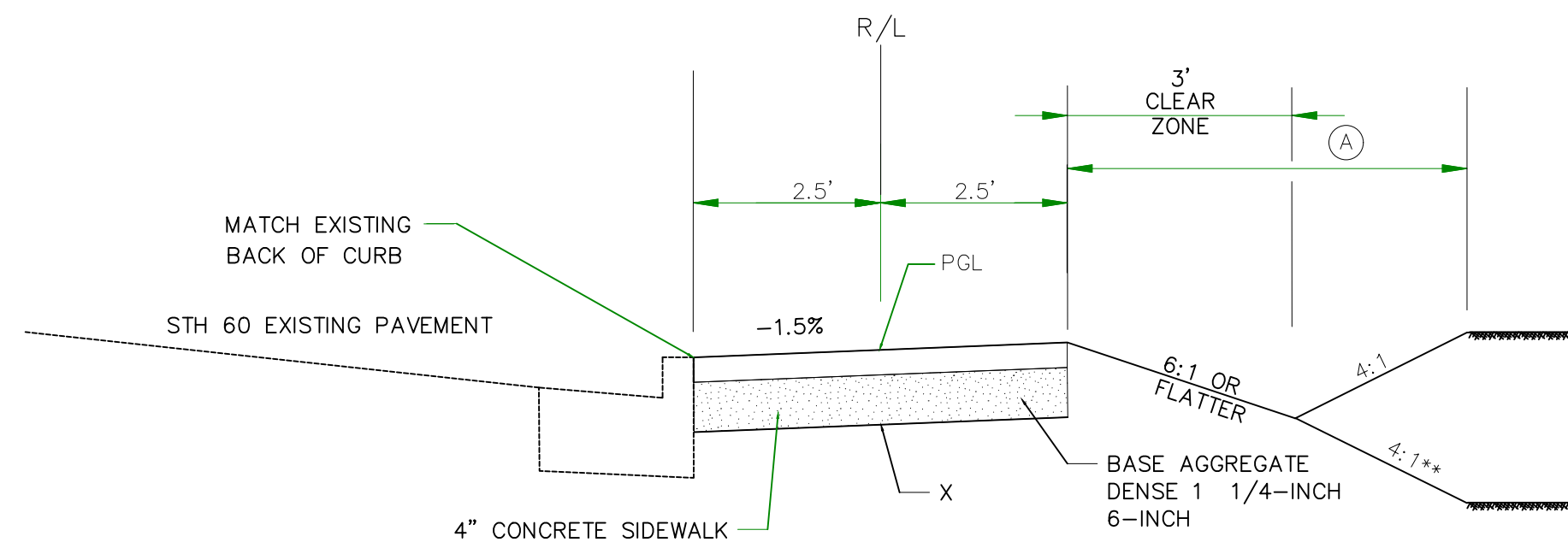
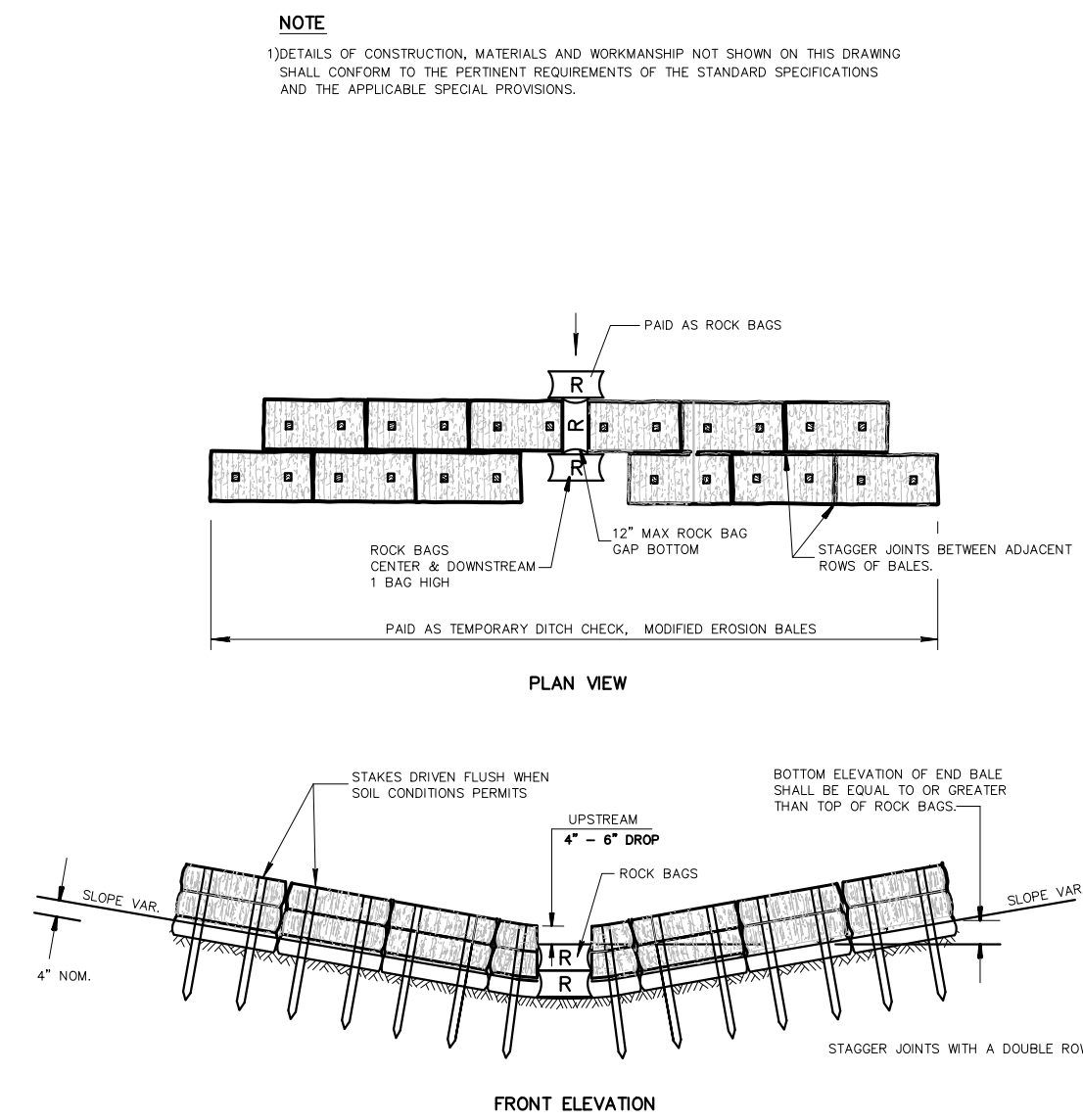
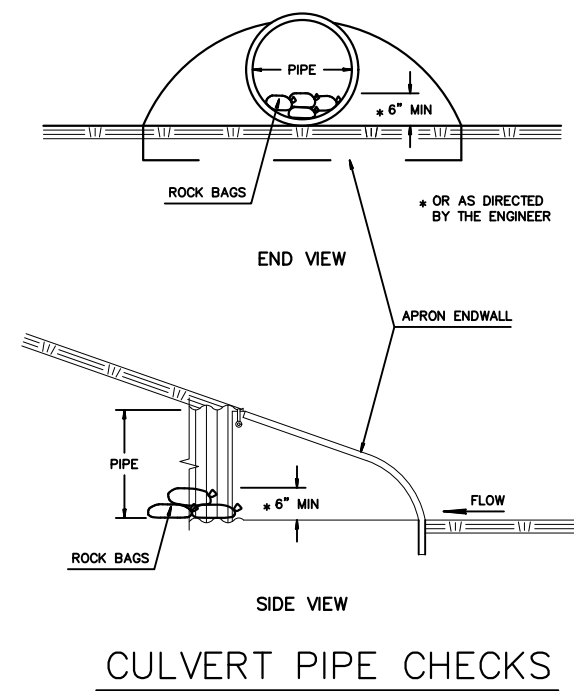
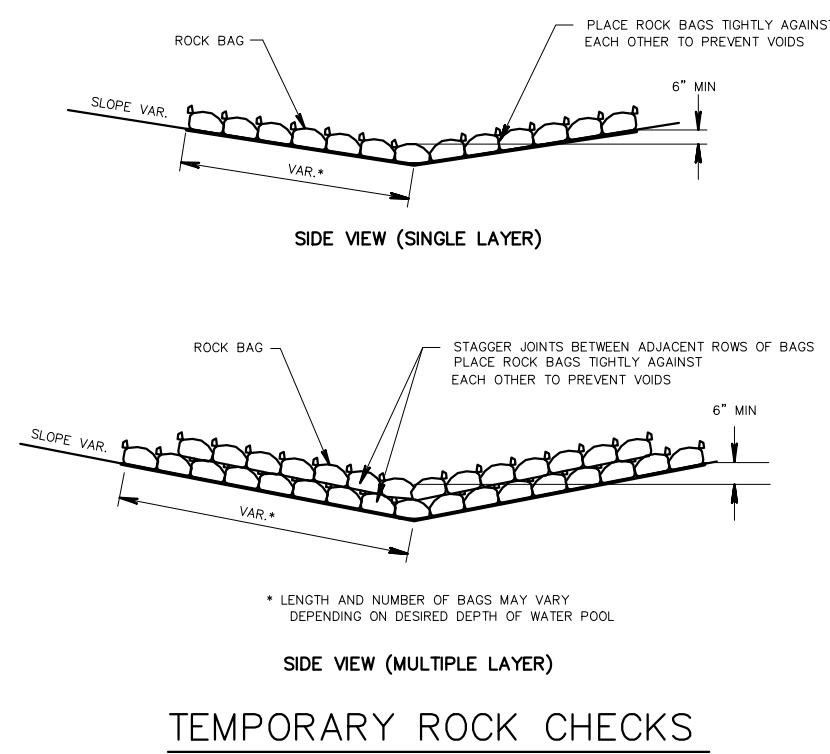
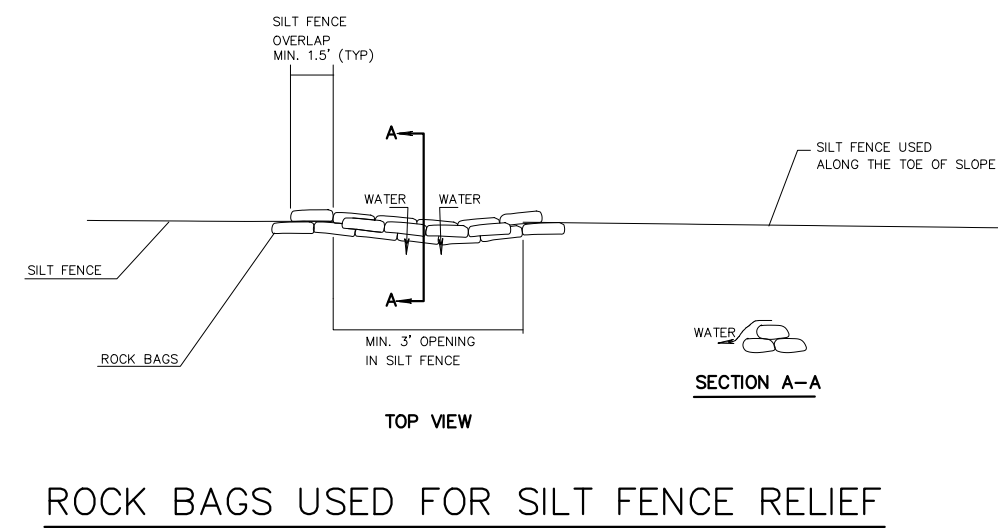
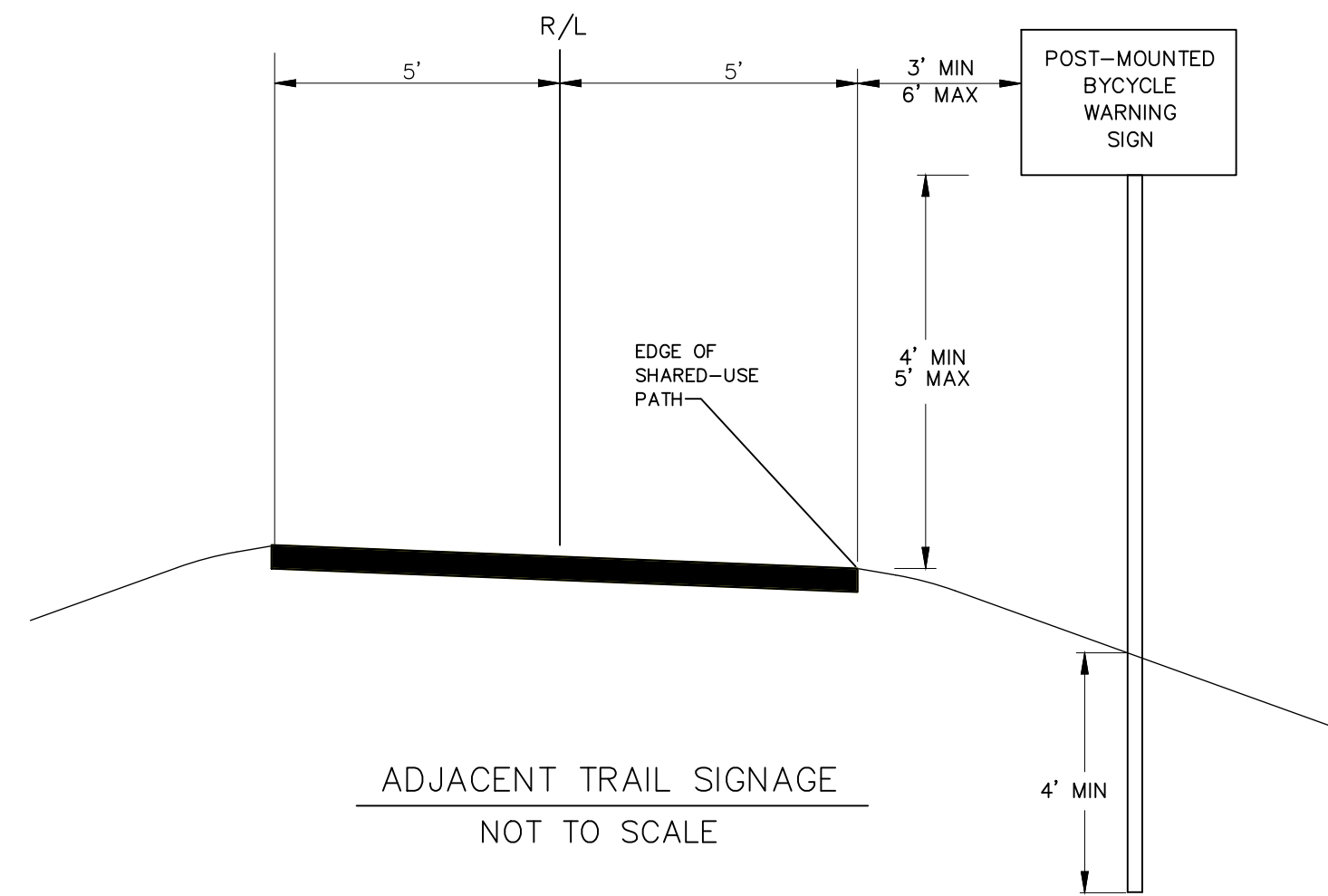
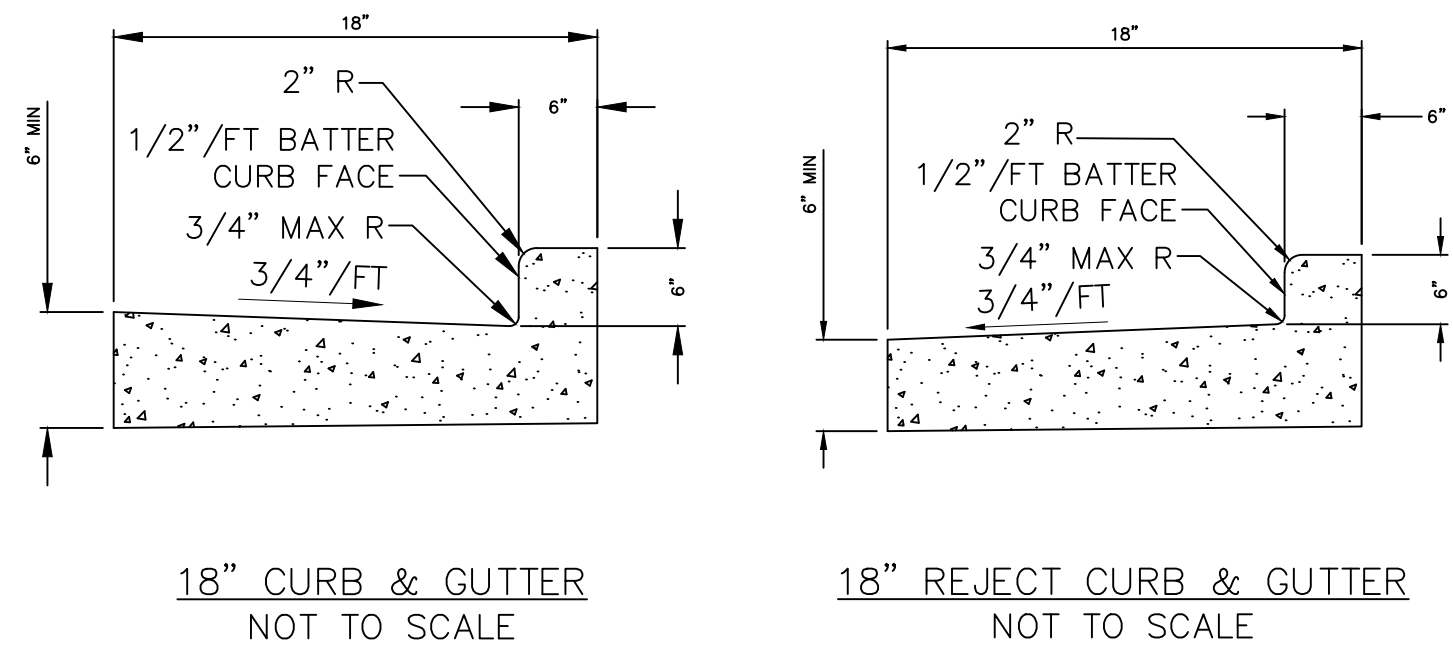
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				DRAWN BY CAT / JLH	90% PLANS
				APPROVED BY JLH	
				DATE 2/15/2019	
					DATE 2/22/2019

PROPOSED TRAFFIC CONTROL & EROSION CONTROL PLAN
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

STAMP



KEY PROJECT NUMBER 1807-0203
PROJECT SCALE 1" = 20'
SHEET NUMBER C-3B



- NOTES
- (A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B AND MULCH
- SEE CROSS SECTIONS FOR TRAIL CROSS SLOPES
- PGL = POINT REFERRED TO ON PROFILE
X = POINT REFERRED TO ON CROSS SECTIONS
- **FILL SLOPE TO BE 3:1 OUTSIDE CLEAR ZONE ADJACENT TO WETLANDS

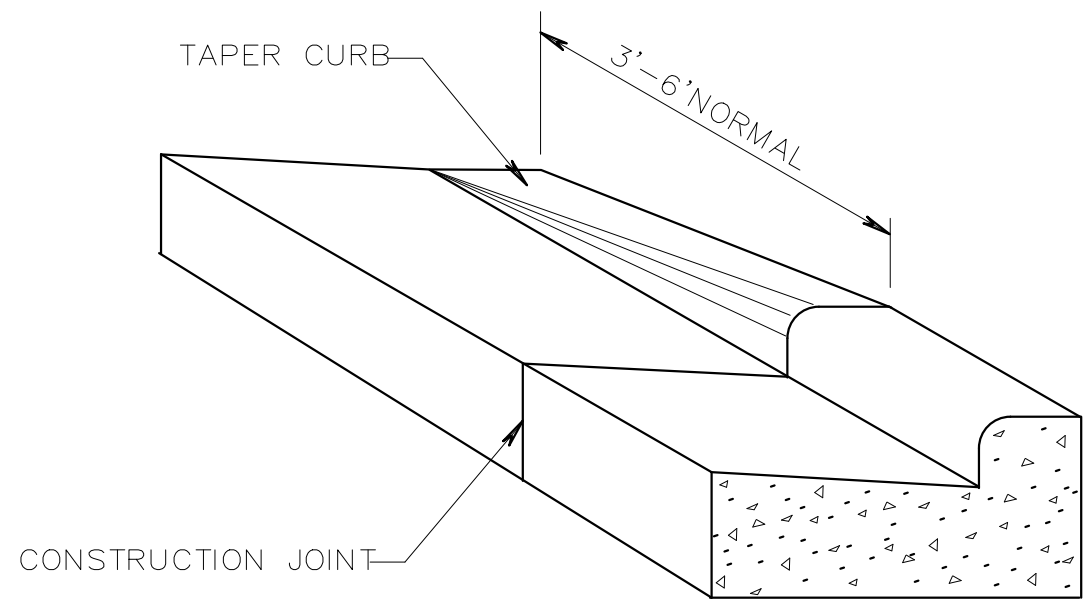
REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	ISSUANCE TYPE
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				DRAWN BY	
				CAT / JLH	90% PLANS
				APPROVED BY	
				JLH	
				DATE	
				2/19/2019	2/22/2019

STANDARD DETAILS COFFEE CONNECTION TRAIL VILLAGE OF JACKSON DPW VILLAGE OF JACKSON, WI

STAMP



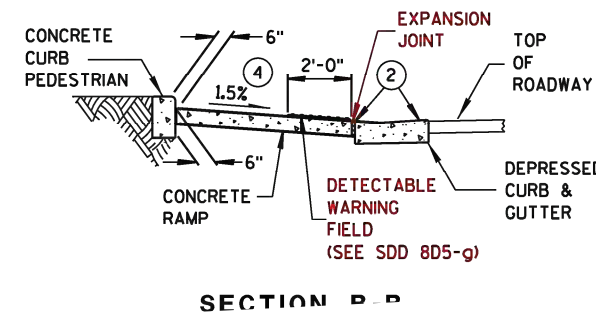
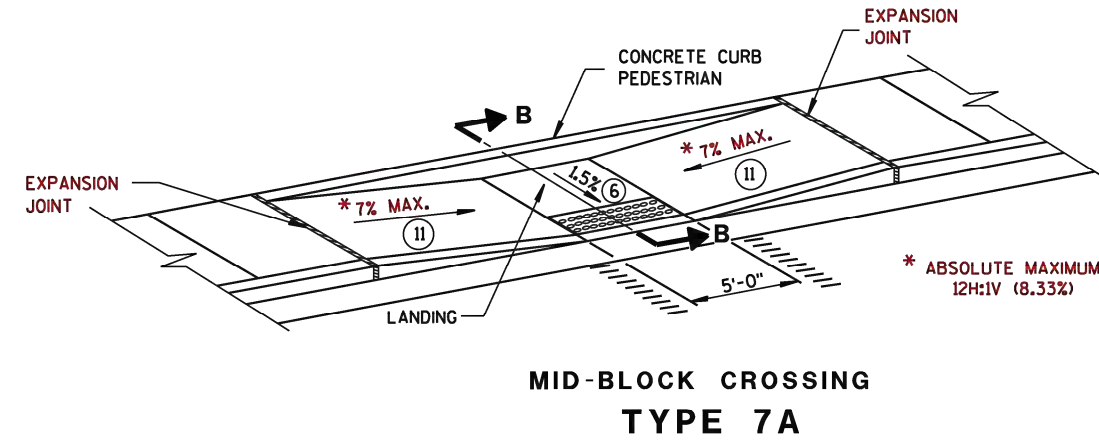
KEY PROJECT NUMBER 1807-0203
PROJECT SCALE NTS
SHEET NUMBER C-4



DETAIL OF CURB & GUTTER TERMINI

GENERAL NOTES

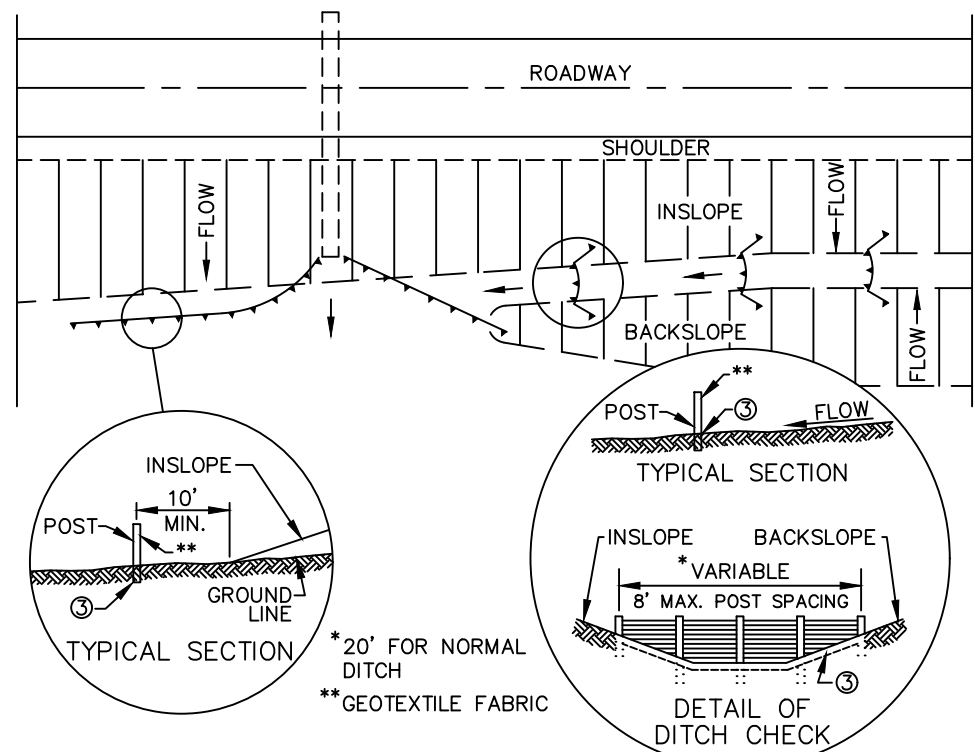
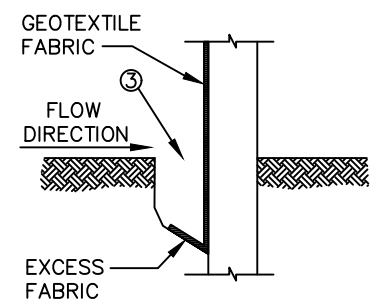
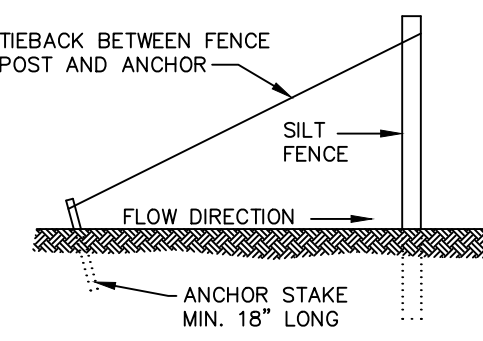
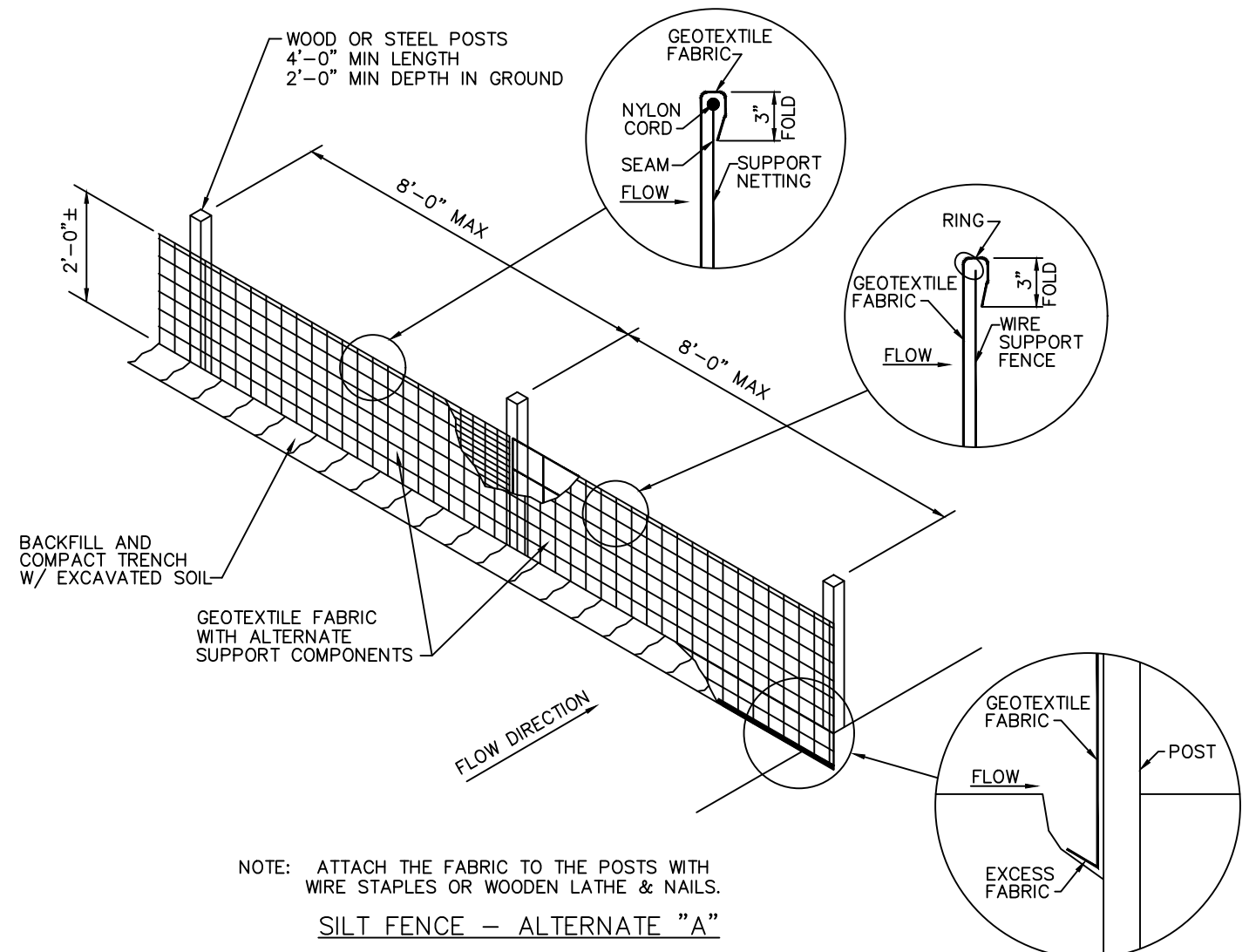
- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 10%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/8-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE MINIMALLY 1.5% AND NOT TO EXCEED 7% WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ABSOLUTE MAXIMUM 12HIV (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 1% GRADE CHANGE.
- ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- INSTALL TRANSITION NOSE. INCIDENTAL TO OTHER PAY ITEMS. DO NOT MARK TRANSITION NOSE.
- SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
- THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 15 FEET ± 0.1 FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK WHERE THERE IS NO PEDESTRIAN GATE. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.
- DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



SILT FENCE GENERAL NOTES:

- DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
- WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
- CROSS BRACE WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
- WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLY-PROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE" WITH A MINIMUM WEIGHT OF 1.28 lbs/lin. ft. (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1-1/2" x 3-1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OAK OR HICKORY.

ALTERNATIVES A AND B ARE EQUAL AND EITHER MAY BE USED.



PLAN VIEW
TYPICAL APPLICATIONS OF SILT FENCE

SILT FENCE INSTALLATION DETAIL
NOT TO SCALE

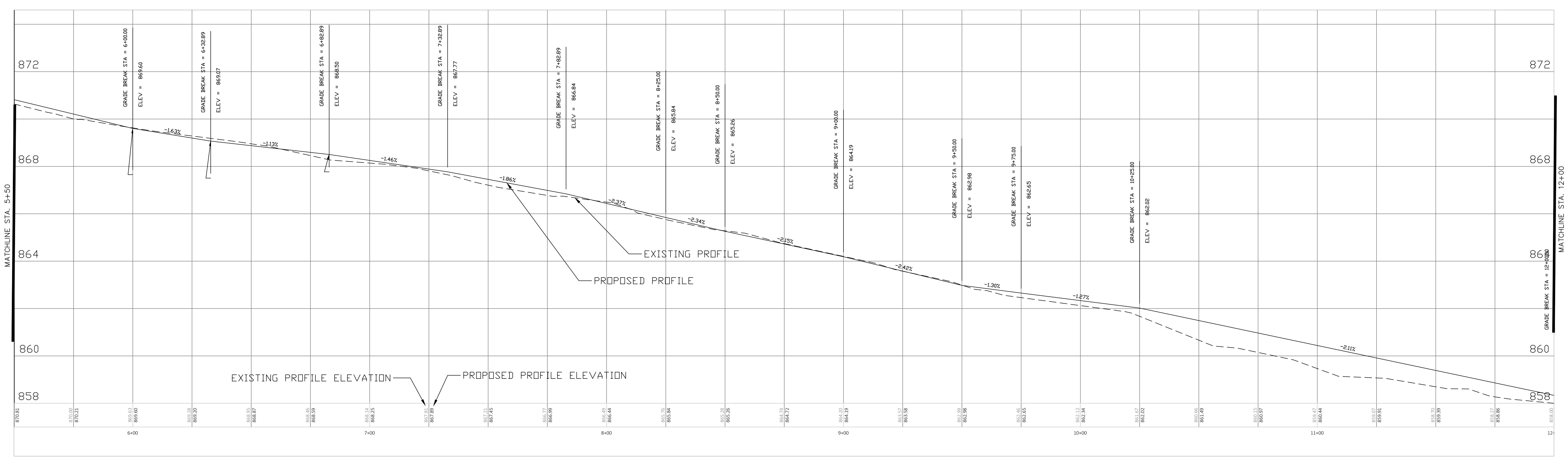
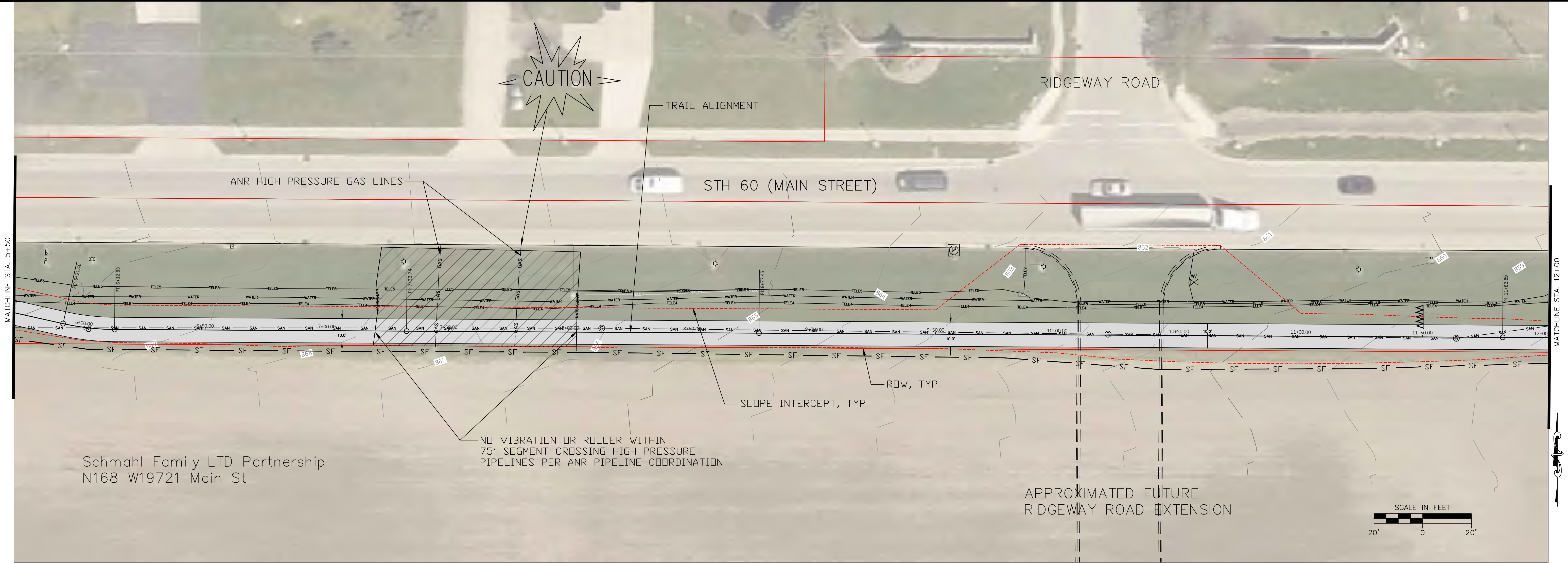
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				DRAWN BY CAT / JLH	90% PLANS
				APPROVED BY JLH	
				DATE 2/19/2019	DATE 2/22/2019

STANDARD DETAILS
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

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KEY PROJECT NUMBER 1807-0203
PROJECT SCALE NTS
SHEET NUMBER C-5



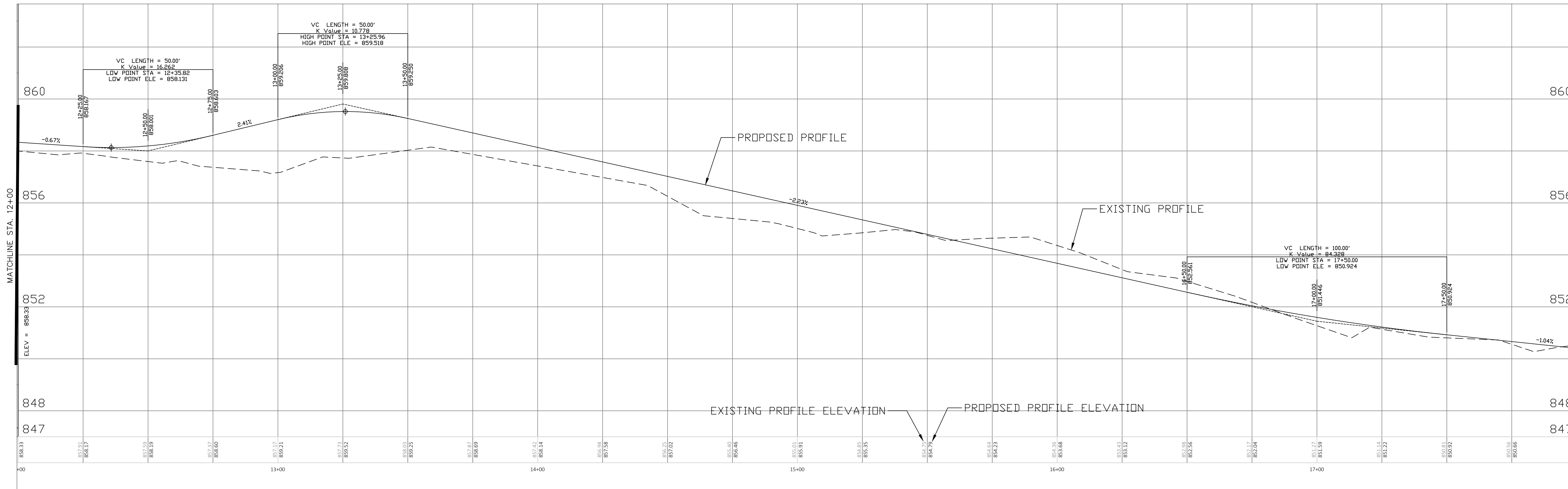
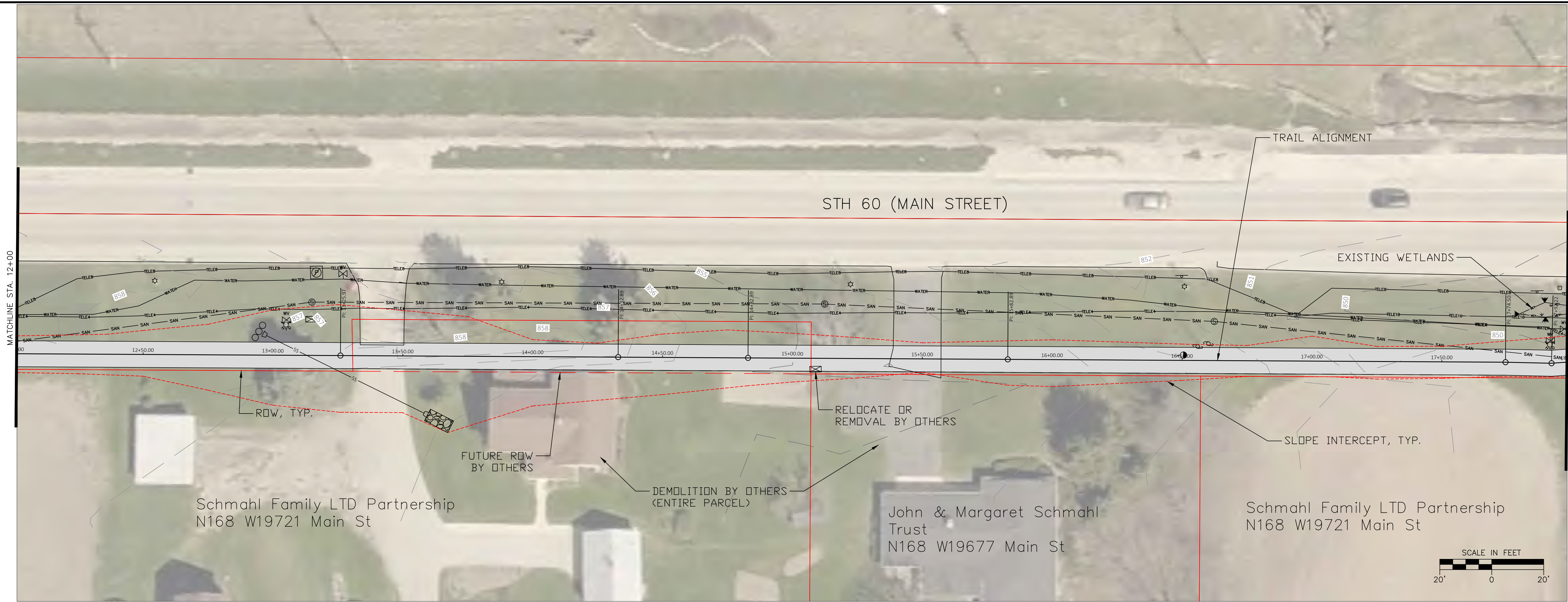
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				DRAWN BY CAT / JLH		
				APPROVED BY JLH		
				KEY PROJECT NUMBER 1807-0203		
				PROJECT SCALE 1" = 20"		
				SHEET NUMBER C-7		

PROPOSED PLAN & PROFILE
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI

STAMP

KEY ENGINEERING GROUP LTD.
735 NORTH WATER STREET, SUITE 510
MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)

Project: Coffee Connection Trail - 1807-0203-0001 (CAD) Jackson Coffee Connection Trail Plan Set.dwg



REVISION NO.	DESCRIPTION	DATE	BY

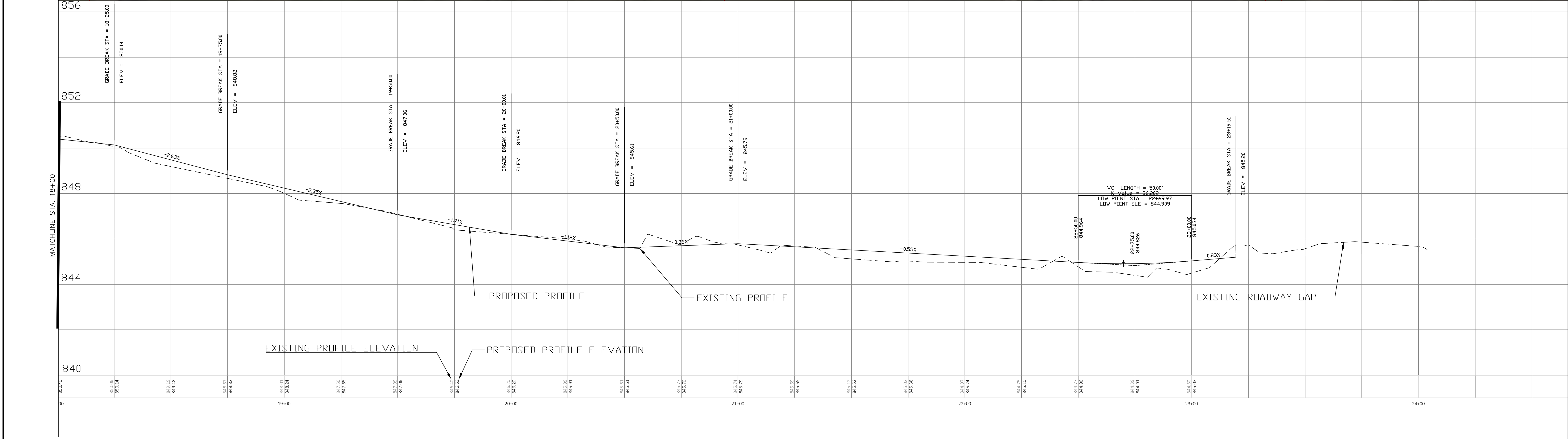
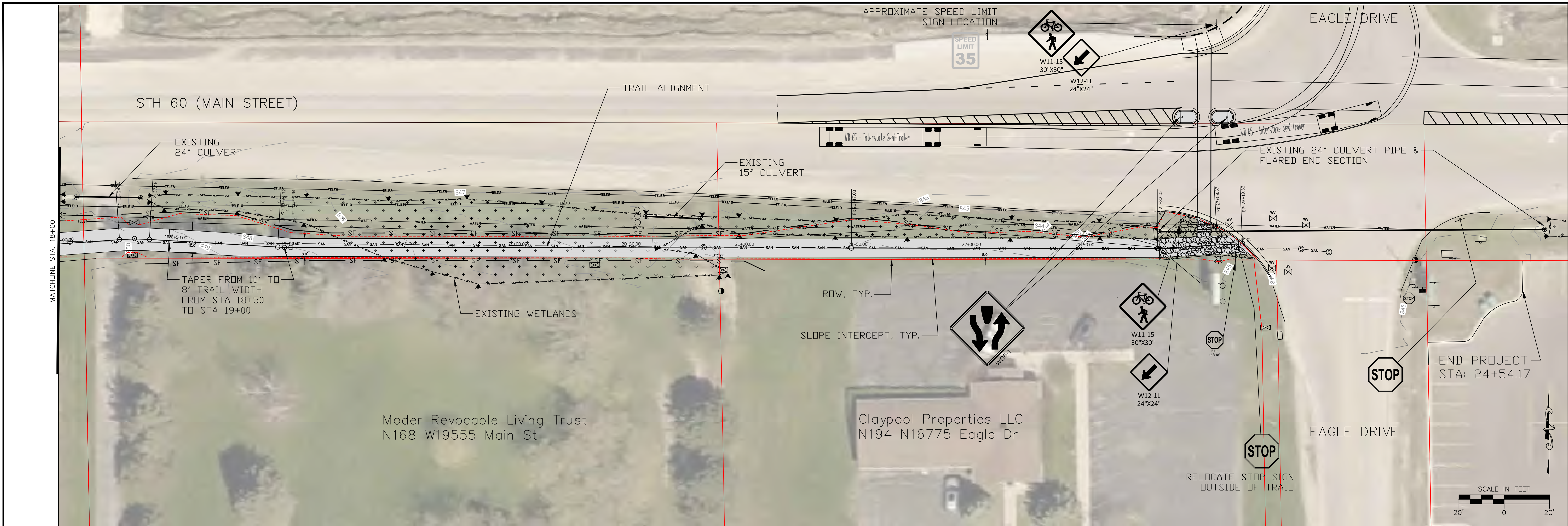
DESIGNED BY JLH	ISSUANCE TYPE 30% PLANS
DRAWN BY CAT / JLH	
APPROVED BY JLH	
DATE 2/15/2019	DATE 2/22/2019

**PROPOSED PLAN & PROFILE
COFFEE CONNECTION TRAIL
VILLAGE OF JACKSON DPW
VILLAGE OF JACKSON, WI**

STAMP



KEY PROJECT NUMBER 1807-0203
PROJECT SCALE 1" = 20'
SHEET NUMBER C-8



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	ISSUANCE TYPE	KEY PROJECT NUMBER 1807-0203	
				JLH	90% PLANS		PROJECT SCALE 1" = 20'
				CAT / JLH			
				APPROVED BY DAT			
				DATE 2/15/2019	DATE 2/22/2019	SHEET NUMBER C-9	

PROPOSED PLAN & PROFILE

COFFEE CONNECTION TRAIL

VILLAGE OF JACKSON DPW

VILLAGE OF JACKSON, WI

STAMP

735 NORTH WATER STREET, SUITE 510
MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)

by Key Engineering Projects Jackson Trail Jackson Coffee Connection Trail Plan Set.dwg

Public Works Report

June 30, 2020

Treatment Plant - Designed Capacity – 1.67 million gallons per day
 Peak Flow Capacity – 6.0 million gallons per day

Year 2018

January	Avg. Flow 893,258 g.p.d.	Min. Flow 693,000 g.p.d.	Max. 1.541 MGD
February	Avg. Flow 1.072 MGD	Min. Flow 651,000 g.p.d.	Max. 2.476 MGD
March	Avg. Flow 1.011 MGD	Min. Flow 702,000 g.p.d.	Max. 1.365 MGD
April	Avg. Flow		
May	Avg. Flow 1.577 MGD	Min. Flow 982,000 g.p.d.	Max. 2.807 MGD
June	Avg. Flow 1.053 MGD	Min. Flow 703,000 g.p.d.	Max. 1.422 MGD
July	Avg. Flow 942,871 g.p.d.	Min. Flow 699,000 g.p.d.	Max. 1.228 MGD
August	Avg. Flow 1.342 MGD	Min. Flow 700,000 g.p.d.	Max. 3.93 MGD
September	Avg. Flow 1.608 MGD	Min. Flow 1.07 MGD	Max. 3.47 MGD
October	Avg. Flow 1.540 MGD	Min. Flow 960,000 g.p.d.	Max. 2.67 MGD
November	Avg. Flow 1.268 MGD	Min. Flow 940,000 g.p.d.	Max. 2.12 MGD
December	Avg. Flow 1.218 MGD	Min. Flow 880,000 g.p.d.	Max. 1.82 MGD

Year 2019

January	Avg. Flow 1.270 MGD	Min. Flow 900,000 g.p.d.	Max. 2.660 MGD
February	Avg. Flow 1.229 MGD	Min. Flow 850,000 g.p.d.	Max. 1.980 MGD
March	Avg. Flow 1.379 MGD	Min. Flow 910,000 g.p.d.	Max. 2.790 MGD
April	Avg. Flow 1.483 MGD	Min. Flow 1.020 MGD	Max. 2.660 MGD
May	Avg. Flow 1.542 MGD	Min. Flow 1.320 MGD	Max. 1.960 MGD
June	Avg. Flow 2.144 MGD	Min. Flow 1.300 MGD	Max. 2.700 MGD
July	Avg. Flow 1.251 MGD	Min. Flow 970,000 g.p.d.	Max. 1.850 MGD
August	Avg. Flow 1.098 MGD	Min. Flow 830,000 g.p.d.	Max. 1.470 MGD
September	Avg. Flow 1.253 MGD	Min. Flow 800,000 g.p.d.	Max. 2.050 MGD
October	Avg. Flow 1.699 MGD	Min. Flow 1.060 MGD	Max. 4.010 MGD
November	Avg. Flow 1.499 MGD	Min. Flow 1.14 MGD	Max. 2.26 MGD
December	Avg. Flow 1.372 MGD	Min. Flow 910,000 g.p.d.	Max. 2.14 MGD

Year 2020

January	Avg. Flow 1.280 MGD	Min. Flow 1.055 MGD	Max. 1.720 MGD
February	Avg. Flow 1.221 MGD	Min. Flow 1.000 MGD	Max. 1.630 MGD
March	Avg. Flow 1.581 MGD	Min. Flow 1.010 MGD	Max. 2.290 MGD
April	Avg. Flow 1.283 MGD	Min. Flow 940,000 g.p.d.	Max. 2.210 MGD
May	Avg. Flow 1.607 MGD	Min. Flow 1.010 MGD	Max. 4.090 MGD

Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons
2018 Total Pumpage 241,322,000 gallons	2019 Total Pumpage 253,427,000 gallons

Year 2018

Jan.	Avg.	674,710 g.p.d.	Highest Day 831,000 gals.	Total	20,916,000 gallons
Feb.	Avg.	660,820 g.p.d.	Highest Day 762,000 gals.	Total	18,503,000 gallons
March	Avg.	646,810 g.p.d.	Highest Day 784,000 gals.	Total	20,051,000 gallons
April	Avg.	656,300 g.p.d.	Highest Day 1.122 MGD	Total	19,689,000 gallons
May	Avg.	682,065 g.p.d.	Highest Day 840,000 gals.	Total	21,144,000 gallons
June	Avg.	694,600 g.p.d.	Highest Day 891,000 gals.	Total	20,838,000 gallons
July	Avg.	759,160 g.p.d.	Highest Day 1.172 MGD	Total	23,534,000 gallons
August	Avg.	728,450 g.p.d.	Highest Day 963,000 gals.	Total	22,582,000 gallons
Sept	Avg.	605,200 g.p.d.	Highest Day 842,000 gals.	Total	18,156,000 gallons
Oct	Avg.	619,320 g.p.d.	Highest Day 896,000 gals.	Total	19,199,000 gallons
Nov	Avg.	596,000 g.p.d.	Highest Day 907,000 gals.	Total	17,880,000 gallons
Dec	Avg.	607,419 g.p.d.	Highest Day 785,000 gals.	Total	18,830,000 gallons

Year 2019

Jan.	Avg.	638,230 g.p.d.	Highest Day 791,000 gals.	Total	19,785,000 gallons
Feb.	Avg.	605,820 g.p.d.	Highest Day 758,000 gals.	Total	16,963,000 gallons
March	Avg.	616,230 g.p.d.	Highest Day 946,000 gals.	Total	19,103,000 gallons
April	Avg.	697,800 g.p.d.	Highest Day 1.112 MGD	Total	20,934,000 gallons
May	Avg.	707,810 g.p.d.	Highest Day 889,000 gals.	Total	21,942,000 gallons
June	Avg.	766,200 g.p.d.	Highest Day 969,000 gals.	Total	22,986,000 gallons
July	Avg.	843,710 g.p.d.	Highest Day 1.174 MGD	Total	26,155,000 gallons
August	Avg.	747,230 g.p.d.	Highest Day 1.061 MGD	Total	23,164,000 gallons
Sept	Avg.	689,300 g.p.d.	Highest Day 830,000 gals.	Total	20,679,790 gallons
Oct.	Avg.	696,520 g.p.d.	Highest Day 1.116 MGD	Total	21,592,000 gallons
Nov.	Avg.	643,970 g.p.d.	Highest Day 830,000 gals.	Total	19,319,000 gallons
Dec.	Avg.	671,100 g.p.d.	Highest Day 875,000 gals.	Total	20,805,000 gallons

Year 2020

Jan.	Avg.	662,650 g.p.d.	Highest Day 769,000 gals.	Total	20,542,000 gallons
Feb	Avg.	682,280 g.p.d.	Highest Day 886,000 gals.	Total	19,786,000 gallons
March	Avg.	702,030 g.p.d.	Highest Day 837,000 gals.	Total	21,763,000 gallons
April	Avg.	731,070 g.p.d.	Highest Day 1.153 MGD	Total	21,932,000 gallons
May	Avg.	691,030 g.p.d.	Highest Day 915,000 gals.	Total	21,422,000 gallons

Pump Capacity - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17
2017	\$232,358.23	2018	\$245,767.74	2019	\$219,822.80		

2018	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,627,400			2,250	70,400	\$14,055.51
Feb	1,632,750			1,750	69,850	\$14,061.88
March	1,589,150			6,450	197,600	\$17,943.45
April	1,451,750			16,750	234,400	\$18,227.75
May	1,849,700			21,050	354,100	\$24,597.35
June	1,636,850			38,900	351,450	\$23,631.55
July	1,662,650			37,150	230,750	\$20,741.70
August	1,861,850			58,650	315,400	\$25,419.05
September	1,510,000			37,000	249,500	\$19,982.50
October	1,676,000			38,000	462,900	\$26,690.50
November	1,433,250			29,500	397,100	\$22,721.00
December	1,481,500			13,550	209,350	\$17,695.50

2019	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,230,000			2,000	77,700	\$11,872.50
Feb	1,432,250			1,000	70,100	\$13,255.50
March	1,614,450			11,750	161,800	\$17,489.35
April	1,485,950			48,700	335,350	\$22,462.85
May	1,589,200			27,600	349,400	\$22,690.60
June	1,338,900			36,950	243,400	\$18,458.95
July	1,504,450			17,000	302,900	\$20,373.10
August	1,599,950			27,800	293,200	\$21,380.60
September	1,405,900			14,000	217,450	\$17,313.45
October	1,517,950			19,500	335,900	\$21,418.60
November	1,265,950			11,500	256,950	\$17,071.10
December	1,647,650			6,500	102,500	\$16,036.20

2020	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,426,900				71,000	\$11,872.50
February	1,310,500			2,250	88,500	\$12,786.50
March	1,471,600	900		5,000	173,650	\$16,429.05

Rosewood Drive/TIF Expansion Project

Rosewood Apartments are being constructed. Streetlights and sidewalk on the north side of Rosewood Lane still need to be installed.

CTH P and STH 60 Intersection Project and old Park-n-Lot Property

Ownership has been determined to be WisDOT. An appraisal was completed by WisDOT, and the Village of Jackson is preparing a reply for the purchase of land.

Jackson Park Alley Project

The punch list has a few items remaining. Once completed the final pay request will be created.

Maplewood Farms

Maplewood Farms Subdivision Phase 1 has very wet sub-soil, and the grading cannot be completed until dewatering is done. The Developer is having a hydraulic study of ground water being done for the land. Results will not be done until August.

Morning Meadows Subdivision

The Developer is working to have construction started in 2020.

Laurel Springs Addition No. 1

Laurel Springs Subdivision has the first lift of asphalt installed. Streetlights and sidewalks are next. Two early home starts have been issued. Once the final plat is approved, lots will be sold.

Trilogy Consulting - Study / Impact Fees

We are working on collection the necessary items for the study. The Park and Open Space Plan, and the bids from the new Police and Fire Building portion are items necessary for the impact fee study.

Jackson Municipal Complex

The new Jackson Municipal Complex site this week is still in major earth work happening. The pond is being dug. Onsite water main and storm sewer being installed. We are working to stabilize the site to start the footings.

Chateau Dr/Hickory Lane Reconstruction Project

The punch list has a few items remaining. Once completed the final pay request will be created.

Yard Waste Site

We have issued 52 cards so far, and one resident has lost their card with a twenty-dollar fee.

Spruce Street/Ridgeway Drive Extension Project

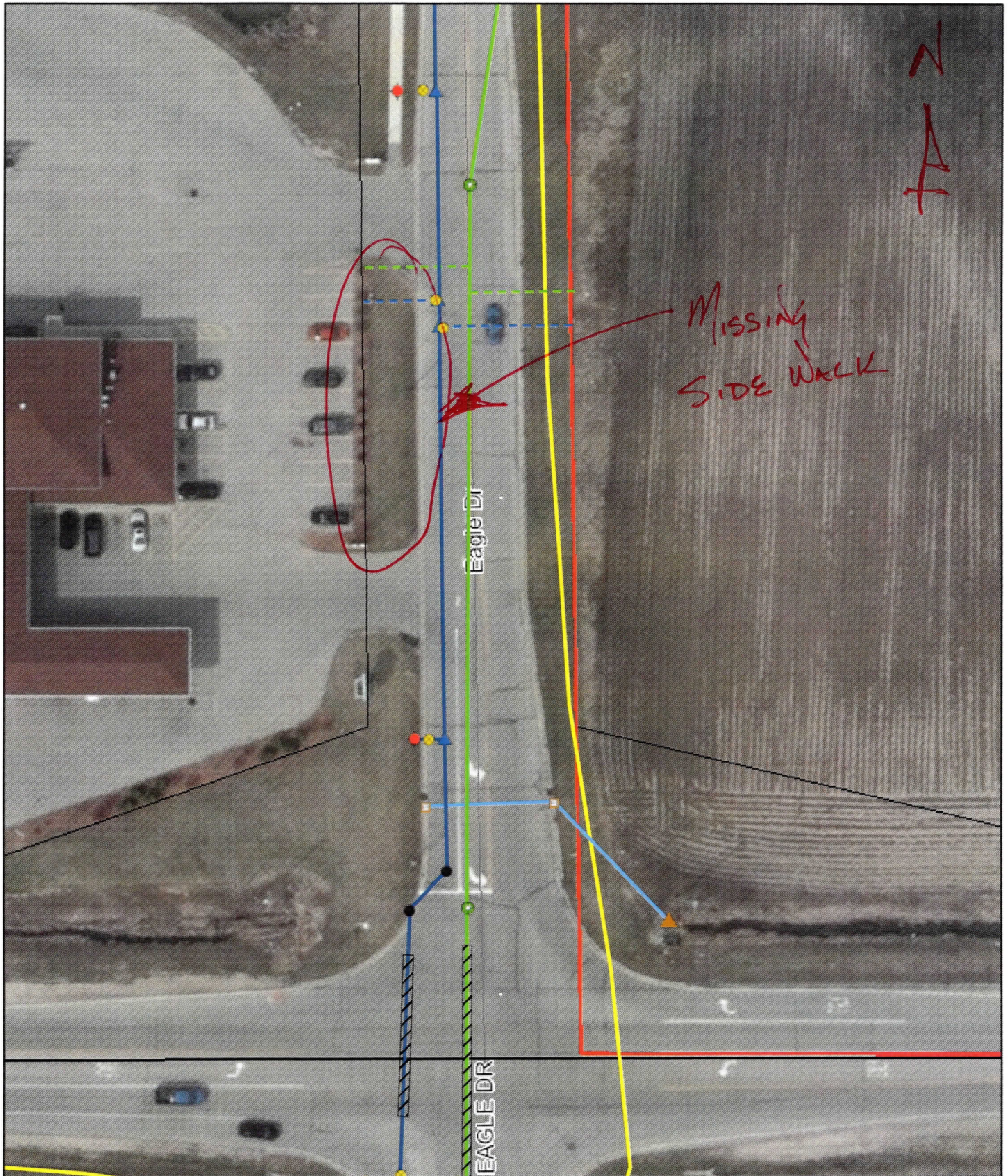
The project has start grading and grubbing. The project completion date is October 15th.

Missing Sidewalk

Discussion is needed to install missing sidewalk along the east side of Eagle Drive between the two driveways of East Side Mart. Does the property owner receive a special assessment or does the Village pay for the sidewalk?

Respectfully submitted, Brian W. Kober, P.E.

Village of Jackson



3/25/2020, 2:26:13 PM

- Hydrants
- Water Valves
- Water Crosses
- Water Tees

