

VTrans Fall 2023 Transportation Alternatives (TAP) and

Municipal Highway and Stormwater Mitigation Program Grant (MHSMP) <u>Combined Application</u>

Thoroughly read the TAP and MHSMP application guidebooks before you begin your application. It includes important program information and step-by-step instructions. Pay particular attention to the application process requirements. **Applications are due by e-mail by December 8, 2023.** Please e-mail the completed application to: Ross.gouin@vermont.gov and Scott.robertson@vermont.gov.

US5 Main St Stormwater Phase 2	(802) 333-4363 ext 2			
(Project Name/Title)	(Phone)			
Ryan Lockwood, Town Administrator	townadministrator@fairleevt.gov			
(Municipality contact person responsible	(e-mail address)			
for the management of this project)	\$ 270,160.00			
Fairlee	Amount of Federal Funds requested (no more			
(Town)	than 80% of the project cost estimate).			
05045	\$ 67,540.00			
(Zip Code)	Amount of Local Match. Example:			
	Federal Award = \$600,000 (<i>80% of total</i>)			
PO Box 95	Local Match = \$150,000 (20% of total)			
(Mailing Address)	Total Project Cost = \$750,000 (100% of the total)			
County: Orange Town/Village/City: Fairlee				
Specific location, street, or road: Main Street/L	JS5			
Regional Planning Commission: Two Rivers-Ott	auquechee Regional Commission			
If a linear project, what is the length in feet? 52	28ft approx. a tenth of a mile			
· · · · · · · · · · · · · · · · · ·	ntation that you have notified the VTrans District ent to apply for TA funding and have provided them			
Project type being applied for: \Box	Scoping ⊠ Design/Construction			

The municipality understands the will take roughly three years (magnitude out in the TAP and MHS)	<u>in.)</u> in the Design and R	ROW phases prior	•		•	
Does this project have a previou	ısly completed scoping	or feasibility stu	dy?		Yes ⊠	No □
Note: Attach a map(s) of the project a benefits from the proposed imp downtown, village or growth ce boundary of the designated are	rovement. If the proje nter, clearly indicate th	ect is within or ad ne relationship of	jacent to the prop	a designa osed pro	ated _	
Fiscal Information:						
Accounting System	Automated $oxtimes$	Manual \square	Combi	nation□]	
SAM Unique Identifier <u># D</u>	HDLWHTQQA9					
Fiscal Year End Month 12						
Property Ownership: If the proposed project is on pripurchase, easement, or eminen the "Uniform Act", then the mu	t domain (includes tem	nporary construct	tion rights	s) in acco	rdance w	vith
acquire the rights to construct t		_	_	Yes ⊠	No □	
Funding: Does this project already have e Phase 1 of Fairlee Village US 5 s		•		Yes ⊠	No 🗆	
Please note that existing project clearance and ROW clearance. F Click here to enter text.			_	ithout a	current N	NEPA
Will you accept an award less th	nan you applied for?			Yes □	No ⊠	
 If yes, please indicate w scope will be reduced. (please be specific) you Click here to enter text. 	If the project scope is t	o be reduced, de	-		-	-
A support letter from the governous acknowledgement and source of for construction projects is requisipport attached?	f the local match and o	commitment to fu ithin 1 year of the	uture mai	ntenance	erespons	-

Regional Planning Commission Letter of Support:

In order to apply, the project must have a letter of support from the regional planning commission. Is a letter of support attached?

Yes \boxtimes No \square

<u>PLEASE NOTE</u>: If this application is for <u>salt or sand shed funding</u>, the applicant must read and understand the <u>Municipal Assistance Section Salt Shed Application Guide</u>. All of the following scoring questions below must thoroughly convey an understanding of the salt and sand guidance provided.

Application Scoring Criteria:

Please give a brief description of the project (be sure to indicate the primary facility type being applied for and be concise).
 (10 points max.)

The Town of Fairlee completed a Better Connections grant resulting in the US 5 Corridor Action Plan - Main Street to Morey – Fairlee Village Center Action Plan in 2019. As part of this plan, a Conceptual Stormwater Management plan was to be completed. DuBois and King has completed this plan and is working on implementing Phase 1 now (MM 22(1)). The Town of Fairlee proposes Phase 2 of the Action Plan with additional design and implementation of green stormwater integrated pedestrian infrastructure at five sites along US Route 5 to improve the safety and accessibility of the corridor and to set the foundation for future initiatives to reinstate sidewalks and develop bike lanes, resulting in a more vibrant Village Center and to begin a sustainable environmental stormwater system.





2. What is the feasibility of this project? Feasibility (or Scoping) study applications will not be scored on this criterion. Also, please describe the extent of project development to date. (10 points max.)

The proposed project is feasible as Phase 1 design and construction is currently underway. The Town looks to continue improving its stormwater efforts along US5 with Phase 2 which are

proposed bioretention ponds and swales like stormwater management areas of Phase 1. The Main Street to Morey Conceptual Stormwater Management Plan has identified areas of improvement. With a grant award, the town can pursue 100% design plans and construction.

3. Does this project address a need identified in a local or regional planning document? If so, please describe.

(5 points max.)

The project is identified in the 2019 Main Street to Morey Corridor study which includes a Conceptual Stormwater Management Plan. https://fairleevt.gov/index.asp?SEC=BE76A091-1114-4631-8240-FDA82B184462&DE=670132CF-080C-4E77-AAF5-AE005D0B89CB

- 4. Does this project:
 - A. Benefit a State Designated Center per the link below (i.e., downtowns, villages, or neighborhood growth centers recognized by the Vermont Department of Economic, Housing and Community Development?

Not applicable for Environmental Mitigation Categories (5 points max.) http://maps.vermont.gov/ACCD/PlanningAtlas/index.html?viewer=PlanningAtlas The village of Fairlee is a Designated Village Center.

B. Benefit mobility for disadvantaged populations to include elderly, disabled, minorities, and low-income residents. Please describe this impact (if applicable) in detail. Supporting documentation, including recent data must be included.

Not applicable for Environmental Mitigation Categories (10 points max.) Click here to enter text.

 Provide a project cost estimate below (project costs below include both federal dollars and local dollars). Projects will be scored based on whether the cost appears realistic for the size and scope of the project. For scoping studies, use PE and Local Project Management lines only.

Note: If you are applying for additional funds for an existing project, show the amount being requested for this grant in the PE, ROW, Construction, Construction Engineering, and Municipal Project Management rows below. Also, be clear regarding total project cost and other funding amounts and sources in the additional funding comments box below. (10 points max.)

Preliminary Engineering (PE) (Engineering, Surveying, Permitting)	\$_44,000.00
Right-of-way / Acquisition (ROW) (appraisals, land acquisition and legal fees)	\$ 10,000.00

Construction (construction costs with reasonable contingency)	\$ 220,000.00
Construction Engineering (cost to provide inspection during construction)	\$ 33,000.00
Municipal Project Management Costs (minimum of 10% of total PE, ROW and Construction Phases).	\$ 30,700.00

Addition Funding Comments: (ex. Total and additional funding for existing projects) Click here to enter text.

6. Select the eligibility category below (A, B, C or D) that best fits your project and answer the corresponding questions for that category (choose only one category). 10 bonus points will be awarded to projects that are primarily Bicycle or Pedestrian facilities.

Total Project Cost \$337,700.00

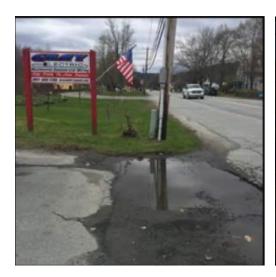
☑ C. Environmental Mitigation Activity Related to Stormwater and Highways (Including Salt and Sand Sheds)

i. Please describe how this application provides environmental mitigation relating to stormwater and highways. (10 points max.)

The Town of Fairlee completed a Better Connections grant resulting in the Main Street to Morey – Fairlee Village Center Action Plan in 2019. This Action Plan is intended to support a safer, healthier, and more economically vibrant community including pedestrian access throughout. With funding from partnerships by the Vermont Agency of Commerce and Community Development (ACCD) and VTrans, a Conceptual Stormwater Management plan as part of the VT DEC's Clean Water Initiative Program was completed. Dubois and King developed several 30% SWM designs along the Route 5 corridor as identified through coordination between the Town, DEC, VTrans and D&K. To improve access and management, the Town proposes a series of pedestrian scale bioretention facilities, bioretention basins, infiltration basins, swales, and other stormwater management practices along the Route 5 corridor at five specific sites. At the core of the Fairlee Village Center is US Route 5, a nationally designated Connecticut River Scenic Byway, and designated priority bike route. The project is located within the Lake Morey-Connecticut River watershed. The project site is based along US RT5 (Main Street), a Vermont Agency of Transportation (VTrans) owned and maintained roadway. The designed project will reduce the ponding of water along US Route 5, improving vehicular and pedestrian access, improving overall water quality and aesthetics along the roadway. This town initiative will support existing Clean Water Act goals to reduce erosion and Total Maximum Daily Load (TMDL) of sedimentation into the Connecticut River watershed that will positively impact Long Island Sound. This will also allow collaboration with the Agency of Transportation's stormwater infrastructure and reduce the sediment load capacity on their assets. The actual known percentage of total stormwater to be treated will depend on the actual size of the retention ponds designed and constructed.

ii. What information or data is provided to substantiate the current stormwater problem and associated environmental impacts? (10 points max.)

The Conceptual Stormwater Management plan (SWM) consisting of 30% SWM designs along the Route 5 corridor clearly identified the stormwater problem and environmental impacts. The wide shoulders on Route 5 coupled with numerous wide driveways along the road can make driving and/or walking through Fairlee like navigating through endless pavement. This large expanse of pavement and relatively flat topography has created multiple areas throughout the corridor of localized ponding, were water ponds in the driveways and parking lots for long periods of time and freezes in the winter. Edge conditions of Route 5 (Main Street), adjacent Town streets and private parking lots are creating significant stormwater flow issues with surface water ponding and potholing in parking areas, driveways, and roadway shoulder.

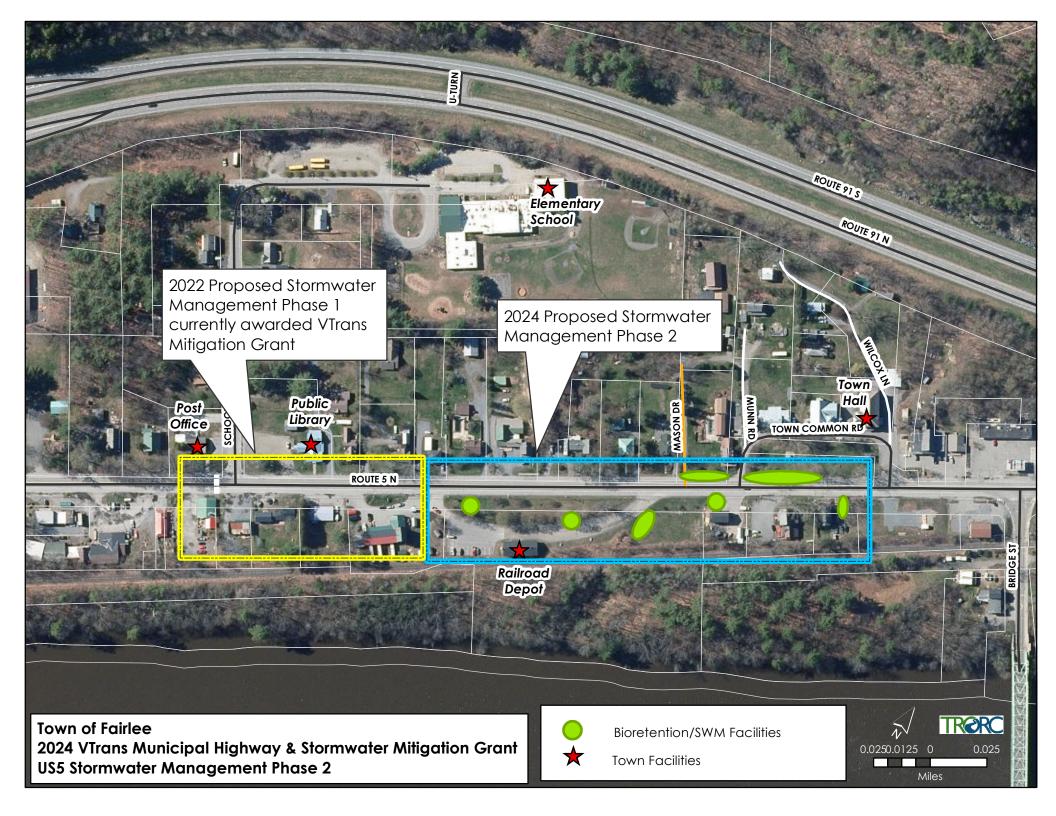




iii. What substantiating data or information is provided to show that the proposed application is an effective and maintainable solution to the problem? (10 points max.)

Since the flat topography impedes stormwater from reaching existing VTrans culvert infrastructure, the project calls for installation of frequent, small-scale, green stormwater facilities that will address the water quality concerns. Green stormwater infrastructure is proposed to address the stormwater ponding and drainage issues ultimately improving access management along some of the largest 'sea of asphalt' segments of the Route 5 corridor and replace ruptured pavement with bioswales and infiltration basins. The design would complement future streetscape improvements and sidewalk locations. These facilities address not only the ponding and water quality issues currently present but beautify the streetscape with landscaping and can become an example to other communities of how sustainable design works in Vermont. These improvements should work in conjunction with the responsibility of commercial businesses and landowners to maintain paved access to Route 5.

Stormwater infrastructure along the Route 5 corridor is limited and as a result, safety issues for vehicles, pedestrians and cyclists are prevalent. Edge conditions of Route 5 and adjacent town streets and private parking lots are creating significant stormwater flow issues, with surface waters ponding and potholing parking areas and the roadway shoulder. In addition to aesthetic concerns, this issue creates walkability challenges for those that would otherwise be willing to walk in the road shoulder. With little sidewalk infrastructure, pedestrians and cyclists traverse the shoulder (where much ponding and potholing occurs) and at times, must negotiate into the busy travel lanes where vehicle speeds can be up to 45mph. This is especially dangerous and challenging during the winter months as the ponding ices over leading to serious pedestrian safety situations. Current stormwater infrastructure in Fairlee primarily consists of a series of swales and storm lines designed to channel runoff from Interstate 91 towards the Connecticut River. These facilities are currently maintained by VTrans. This project would create permanent and manageable small scale stormwater facilities to address current runoff issues.



Town of Fairlee, VT - Main St Stormwater Management Phase 2 Budget Estimate

Preliminary Engineering (20%)	\$44,000.00	
Right of Way	\$10,000.00	
Construction (infiltration basins)	\$75,000.00	
Construction (Town Green)	\$107,000.00	
Construction (Depot)	\$18,000.00	
Construction Subtotal	\$200,000.00	
10% Contingency	\$20,000.00	
Total Construction Cost	\$220,000.00	
Construction Engineering (15%)	\$33,000.00	
Municipal Project Management (10%)	\$30,700.00	\$307,000.00
Project Total	\$337,700.00	
Grant (80%)	\$270,160.00	
Town Match (20%)	\$67,540.00	

From: Rita Seto
To: Rita Seto

Subject: FW: ANR DEC stormwater project requirements

Date: Thursday, December 7, 2023 6:52:56 PM

Attachments: Fairlee 30% Design OPCC P2 for TRORC2.pdf
Fairlee 30% Design OPCC P2 for TRORC1.pdf

From: Christopher Rivet <crivet@dubois-king.com>

Sent: Thursday, December 7, 2023 5:39 PM

To: Rita Seto <rseto@trorc.org>

Subject: Re: ANR DEC stormwater project requirements

Hi Rita,

I was mistaken on the OPCC for Phase 2 in Fairlee, as more work was involved than I realized when I first looked at. It appeared to me initially that all the rest of the projects were mostly creating infiltration basins, but the Town Green site actually includes an infiltration trench beneath the swale. See the attached OPCC for the Depot and Town Green sites.

Thanks,

Chris

--

Christopher J. Rivet, P.E.

DuBois & King

28 North Main Street

Randolph VT 05060

Office: 802 728 3376 Direct: 802 431 1471 Cell: 401 651 0012 www.dubois-king.com

DuBois EKing	☐ Bedford, NH 03110 ☐ Randolph, VT 05060 ☐ S. Burlingt., VT 05403 ☐ Springfield, VT 05156	(603) 883-0463 (802) 728-3376 (802) 878-7661 (802) 591-4326
Engineering • Pla	anning • Development	Management

JOB	Fairlee Ro	ute 5 Storn	nwater	
SHEET	Г NO.	1	OF	1
CALCL	JLATED BY:	CJR	DATE:	12/7/2023
CHEC	KED BY:		DATE:	
SCALE	:,			

Fairlee Route 5 - Depot					
ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
1	COMMON EXCAVATION	CY	325	\$15.00	\$4,875.00
2	MOBILIZATION/DEMOBILIZATION	LS	1	\$2,000.00	\$2,000.00
3	SEED	LB	20	\$10.00	\$200.00
4	FERTILIZER	LB	39	\$5.00	\$196.11
5	AGRICULTURAL LIMESTONE	TON	0.25	\$750.00	\$187.50
6	TOPSOIL	CY	130	\$60.00	\$7,800.00
7	HAY MULCH	TON	0.25	\$1,000.00	\$250.00
	Running Total				\$15,508.61
	Contingency (15%)				\$2,326.29
	CONSTRUCTION COST				\$18,000.00
	OTHER COSTS				
	Bid/Construction Phase Services (15%)				\$2,000.00
	OTHER COSTS TOTAL				\$2,000.00
	Grand Total				\$20,000.00

NOTE: In providing opinions of probable construction costs, the Client understands that DuBois & King, Inc. has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's methods of pricing, and that our Opinion of Probable Construction Costs are made on the basis of our professional judgment and experience. DuBois & King, Inc. makes no warranty, expressed or implied, that the bids or the negotiated costs of the Work will not vary from the Opinion of Probable Construction Cost provided herein.

DuBois EKing	□ Bedford, NH 03110 Randolph, VT 05060 □ S. Burlingt., VT 05403 □ Springfield, VT 05156	(603) 883-0463 (802) 728-3376 (802) 878-7661 (802) 591-4326
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SHEET NO.	1	OF	1
CALCULATED BY:	CJR	DATE:	12/7/2023
CHECKED BY:		DATE:	
SCALE:			

Fairlee Main St to Morey

JOB

Engineering • Planning • Development • Management

Fairlee Route 5 - Town Green					
ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
1	COMMON EXCAVATION	CY	360	\$15.00	\$5,400.00
2	REMOVAL OF SURFACES AND PAVEMENTS	CY	15	\$35.00	\$525.00
3	DRAINAGE AGGREGATE	CY	240	\$50.00	\$12,000.00
4	BITUMINOUS CONCRETE PAVEMENT	TON	16	\$200.00	\$3,200.00
5	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES	EA	1	\$1,500.00	\$1,500.00
6	6 INCH UNDERDRAIN PIPE	LF	420	\$60.00	\$25,200.00
7	RELOCATE HYDRANT	EA	2	\$5,000.00	\$10,000.00
8	MOBILIZATION	LS	1	\$12,000.00	\$12,000.00
9	SEED	LB	15	\$10.00	\$150.00
10	FERTILIZER	LB	45	\$5.00	\$225.00
11	TOPSOIL	CY	45	\$60.00	\$2,700.00
12	AGRICULTURAL LIMESTONE	TON	0.25	\$750.00	\$187.50
13	HAY MULCH	TON	0.25	\$1,000.00	\$250.00
14	TRAFFIC CONTROL	LS	1	\$15,000.00	\$15,000.00
	Running Total				\$88,337.50
	Contingency (25%)				\$17,667.50
	CONSTRUCTION COST				\$107,000.00
	OTHER COSTS				
	Engineering & Permitting (25%)				\$27,000.00
	OTHER COSTS TOTAL				\$27,000.00
	Grand Total				\$134,000.00

NOTE: In providing opinions of probable construction costs, the Client understands that DuBois & King, Inc. has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's methods of pricing, and that

From: Rita Seto
To: Rita Seto

Subject: FW: ANR DEC stormwater project requirements **Date:** Thursday, December 7, 2023 2:25:33 PM

From: Christopher Rivet <crivet@dubois-king.com>

Sent: Friday, December 1, 2023 2:40 PM

To: Rita Seto <rseto@trorc.org>

Subject: Re: ANR DEC stormwater project requirements

Hi Rita,

I looked over the Opinion of Cost I prepared for Phase 1 of the Fairlee Route 5 Stormwater project. The area to be constructed is Phase 2 with infiltration basins is similar to the area as Site 3 in Phase 1, assuming the area associated with the Depot property, and the Town common and adjacent residences. Our OPCC indicates \$50,000 if the project is constructed as a stand alone project.

For the Phase 2 construction, given costs I've been seeing lately, I'd up it to \$75,000 for Construction and Engineering Bid/Construction Phase Services.

Let me know if you have any questions.

Thanks Chris

Christopher J. Rivet, P.E.

DuBois & King

28 North Main Street Randolph VT 05060

Office: 802 728 3376 Direct: 802 431 1471 Cell: 401 651 0012 www.dubois-king.com

Activation - Fairlee Depot

Along with the potential for future stormwater management as discussed elsewhere in this document, the ample parking, public ownership, central location, and broad lawn areas make the Fairlee Depot an ideal candidate for future activation efforts.

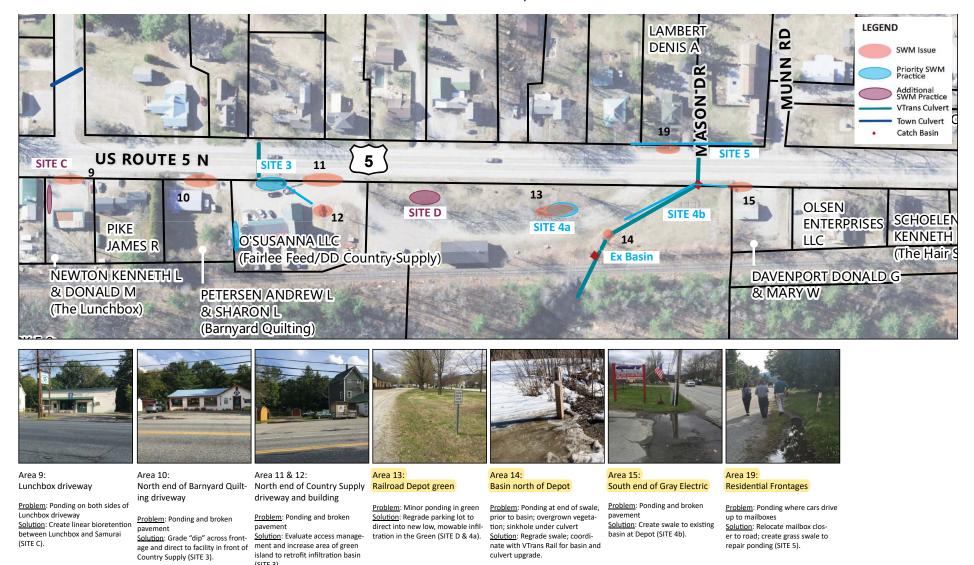
The concept diagram included on this page illustrates just one concept for potential activation projects that could be considered here.



Bioretention is a small scale, green stormwater practice that captures runoff and treats it with a combination of filtering through engineered and vegetative means. It can filter and treat water, often allowing for infiltration back into the groundwater rather than simply discharging to a different place. It is flexible in size and shape and can become part of the larger stormwater solution for a site. Vegetation not only helps with filtering, it also beautifies a site.

Water is not intended to sit in a stormwater facilities for more than 24 hours, therefore it will not be a breeding ground for mosquitoes. Bioretention facilities should remain vegetated and mulched; vegetation can include a combination of perennials, ornamental grasses, shrubs and small trees. Other above-ground facilities should remain covered with grass.

As with all stormwater management facilities, some maintenance will be required for bioretention and infiltration areas and the Town will need

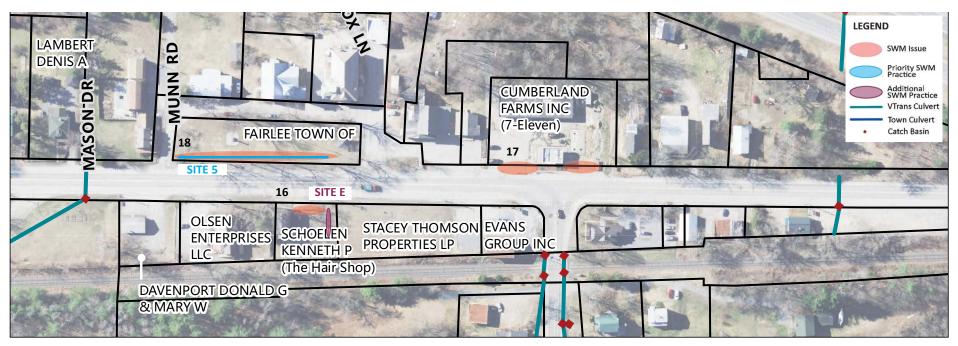


to coordinate with both private land owners and VTrans for appropriate maintenance agreements. Mowing of grass infiltration basins and swales can occur on the normal town mowing schedule.

Some initial watering of plants may be required at the time of installation. Weeding, pruning and mulching should occur annually.

Removal of trash and replacement of dead plants should occur on an as-needed basis. Removal of sediment build-up and checking inlets for clogs will also be required.

Delineation of facility locations is important for cars and plows so that the facility doesn't get accidentally run or plowed over. This can be achieved through curbs, stone edging, or signage.





Area 16: North end of The Hair Shop

Problem: Ponding Problem: Potholes, p Solution: Create linear bioretention on north end of property (SITE E). Solution: Add catchb



Area 17: Fairlee 7-Eleven

Problem: Potholes, ponding along extents of driveway Solution: Add catchbasins and culvert across Route 5 towards bridge. Requires pretreatment.

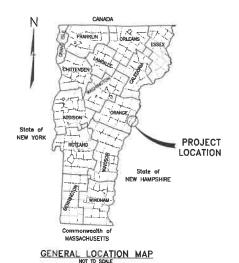
Not recommended at this time.



Area 18: Edge of Village Green

<u>Problem</u>: Ponding along edge of Green and roadway <u>Solution</u>: Redefine grass swale (SITE 5); regrade and pave along the edge of road.



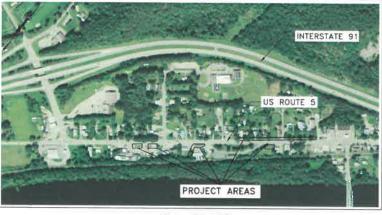


TOWN OF FAIRLEE, VERMONT COUNTY OF ORANGE DECEMBER 2020 30% CONCEPTUAL PLANS

PROJECT LOCATION: PROJECT DESCRIPTION:

FIVE SITES ALONG US ROUTE 5 (MAIN STREET) IN FAIRLEE, VERMONT

WORK TO BE PERFORMED INCLUDES THE INSTALLATION OF BIORETENTION BASINS, INFILTRATION BASINS, GRASS SWALES, INFILTRATION TRENCHES, AND







LIST OF DRAWINGS

LIST OF DRAWINGS		
IIILE	SH	EET NO.
TITLE SHEET	C1	1 OF 12
EXISTING CONDITIONS OVERALL PLAN	C2	2 OF 12
LAKESIDE AUTOMOTIVE DRIVEWAY PLAN (SITE #1)	C3	3 OF 12
LAKESIDE AUTOMOTIVE DRIVEWAY DETAILS (SITE #1)	C4	4 OF 12
SAMURAI SOUL FOOD DRIVEWAY PLAN (SITE #2)	C5	5 OF 12
SAMURAI SOUL FOOD DRIVEWAY DETAILS (SITE #2)	C6	8 OF 12
COUNTRY SUPPLY PLAN (SITE #3)	C7	7 OF 12
COUNTRY SUPPLY DETAILS (SITE #3)	СВ	8 OF 12
FAIRLEE DEPOT AND GRAY ELECTRIC PLAN (SITE #4)	C9	9 OF 12
FAIRLEE DEPOT AND GRAY ELECTRIC DETAILS (SITE #4)	C10	10 OF 12
FAIRLEE TOWN GREEN AND RESIDENTIAL FRONTAGES PLAN (SITE #5)	C11	11 OF 12
FAIRLEE TOWN GREEN AND RESIDENTAIL FRONTAGES DETAILS (SITE #5)	C12	12 OF 12

DuBois EKing ...

ENGREERNG - "A-MINIMAGEMENT - DEVELOPM 28 NORTH MAN 97. RANDOLPH, VT 95090 TEL: (802) 783-7101 Www.dbcbb-king.com 5.0 BURLINGTON, VT SPRINGFIELD, VT BRANDON, VT BEDFORD, MI LACONIA.

NOT FOR CONSTRUCTION DRAFT



TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ,

ADMINISTRATOR

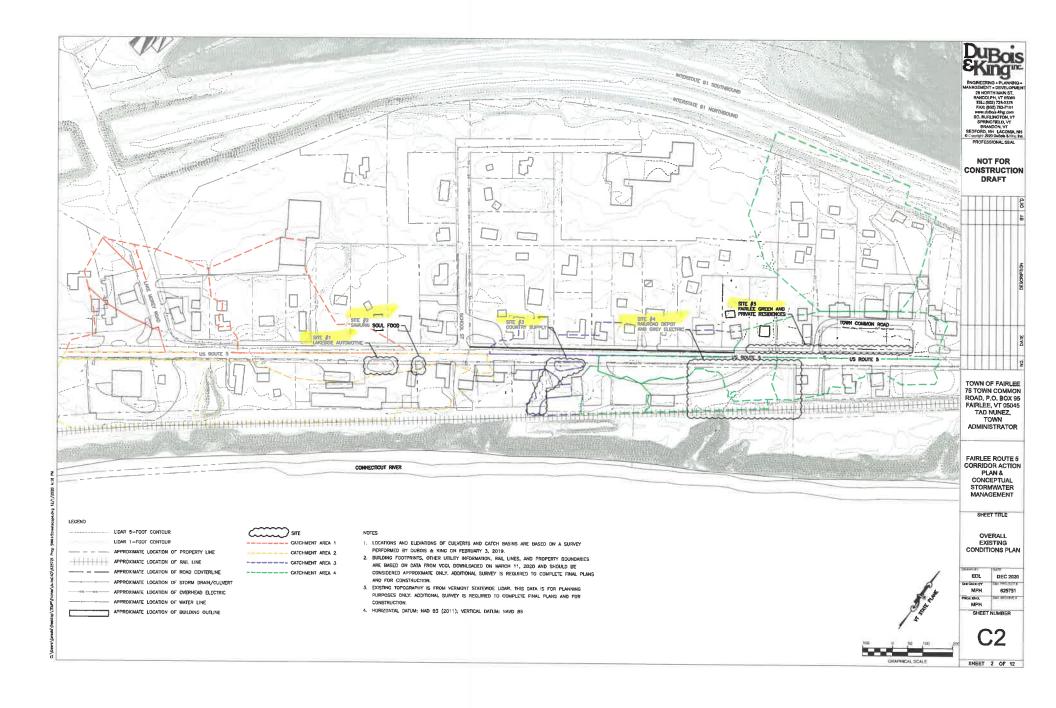
FAIRLEE ROUTE 5 CORRIDOR ACTION PLAN & CONCEPTUAL STORMWATER MANAGEMENT

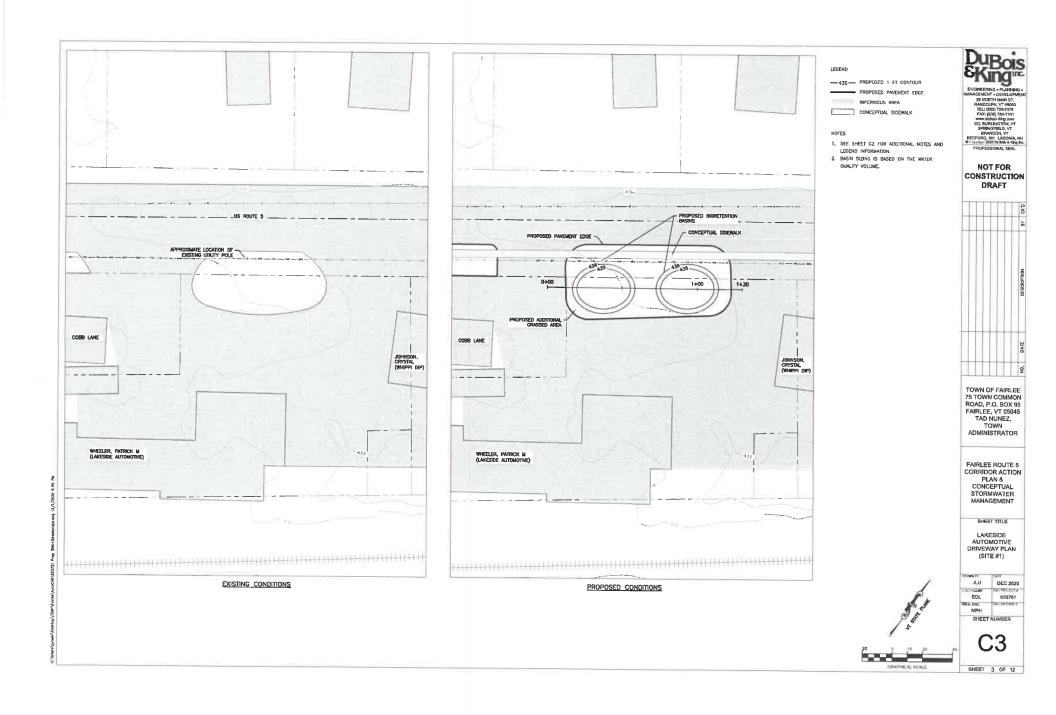
SHEET TITLE

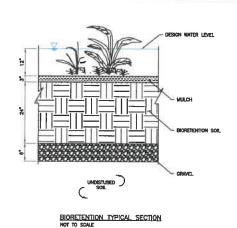
TITLE SHEET

JLU DEC 2020 ECREDI EDL 625751 OJ. ENG.

C1







- 1. SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
- 2. BASIN SIZING IS DESIGNED TO RETAIN THE WATER QUALITY
 VALUE INF
- THE BIORETENTION SOIL MIX SHOULD CONSIST OF SAND OR LOAMY SAND AND MEET THE FOLLOWING GRADATION: SAND 85-88%, SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER (IN THE FORM OF COMPOST) 3"-5%.
- 4. MULCH SHOULD BE SHREDDED HARDWOOD BARK MULCH.



MANAGEMENT - DEVELOPMENT
28 NORTH MAN 17
28 NORTH MAN 17
28 NORTH MAN 18
300 TEL. (802) 728-3376
FAX: (802) 728-3376
FAX: (802) 738-3101
www.duboia-Mg.com
SO. BURLINHETION, VT
BEANDON, VT
BEDFORD, NH LACOMA, NH
6 COMPRESSIONAL SEAL
PROFESSIONAL SEAL

NOT FOR CONSTRUCTION DRAFT



TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN

ADMINISTRATOR

FAIRLEE ROUTE 5
CORRIDOR ACTION
PLAN &
CONCEPTUAL
STORMWATER
MANAGEMENT

SHEET TITLE

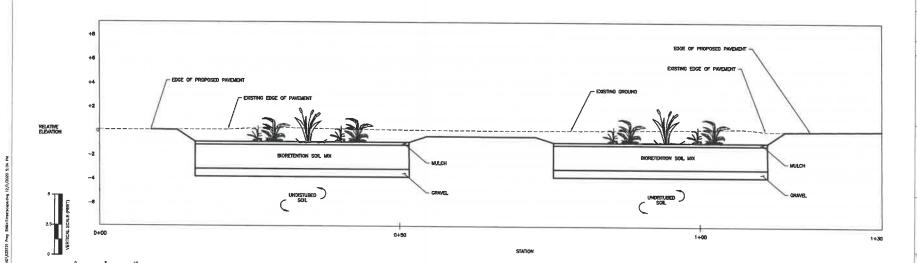
LAKESIDE AUTOMOTIVE DRIVEWAY DETAILS (SITE #1)

THE REST OF THE	0.470
JLU	DEC 2020
DBY	DAY MINISTRA
EDL	625751
NO.	DAY ARCHIVE A
MPH	

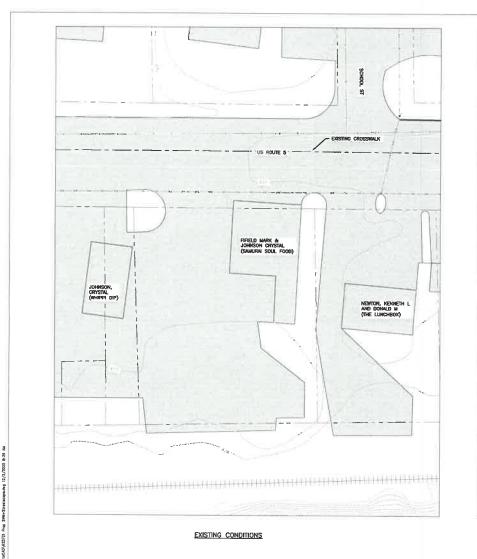
SHEET NUMBER

C4

SHEET 4 OF 12



PROPOSED BIORETENTION PROFILE



2 - EXISTING CROSSWALK RELOCATE PAVEMENT EDGE AND ADD GREEN SPACE (TYP) CONCEPTUAL SIDEWALK FIFTELD MARK & JOHNSON CRYSTAL (SAMURAI SOUL FOOD) JOHNSON, CRYSTAL (WHIPPI DIP) MEWTON, KENNETH L AND DONALD M (THE LUNCHBOX)

PROPOSED BIORETENTION AND GRAVEL INFILTRATION

LECEND -435- PROPOSED 1 FT CONTOUR - PROPOSED PAVEMENT EDGE IMPERVIOUS AREA CONCEPTUAL SIDEWALK

NOTES

- 1. SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
- 2. BASIN SIZING IS BASED ON THE WATER QUALITY VOLUME.



NOT FOR CONSTRUCTION

DRAFT



TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN ADMINISTRATOR

FAIRLEE ROUTE 5 CORRIDOR ACTION PLAN & CONCEPTUAL STORMWATER MANAGEMENT

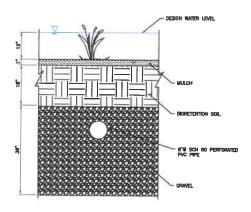
SHEET TITLE

SAMURAI SOUL FOOD DRIVEWAY PLAN (SITE #2)

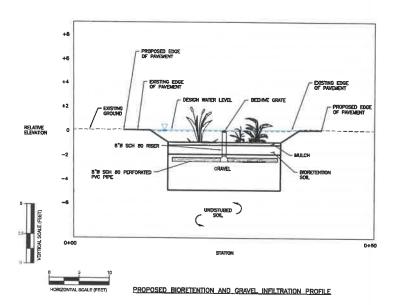
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SHEET NUMBER

SHEET 5 OF 12



LAKESIDE AUTOMOTIVE - BIORETENTION AND GRAVEL INFILTRATION TYPICAL SECTION NOT TO SCALE



- 1. SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
- BASIN SIZING IS DESIGNED TO RETAIN THE WATER QUALITY VOLUME.
- THE BIORETENTION SOIL MIX SHOULD CONSIST OF SAND OR LOAMY SAND AND MEET THE FOLLOWING GRADATION: SAND 85-88%, SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER (IN THE FORM OF COMPOST) 3-5%.
- 4. MULCH SHOULD BE SHREDDED HARDWOOD BARK MULCH.



MANAGEMENT + DEVELOPI 23 NORTH MAIN ST., RANDOLPH, VT 05060 TEL; (902) 728-378 FAX; (902) 783-7101 WWW.dubole-king.com SO. RIBBI NIGTON, VT SO. RIBBI NIGTON, VT

SO, BURLINGTON, VT SPRINGFIELD, VT BRANDON, VT BEDFORD, NH LACONIA, N

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TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN

TOWN ADMINISTRATOR

FAIRLEE ROUTE 5
CORRIDOR ACTION
PLAN &
CONCEPTUAL
STORMWATER
MANAGEMENT

SHEET TITLE

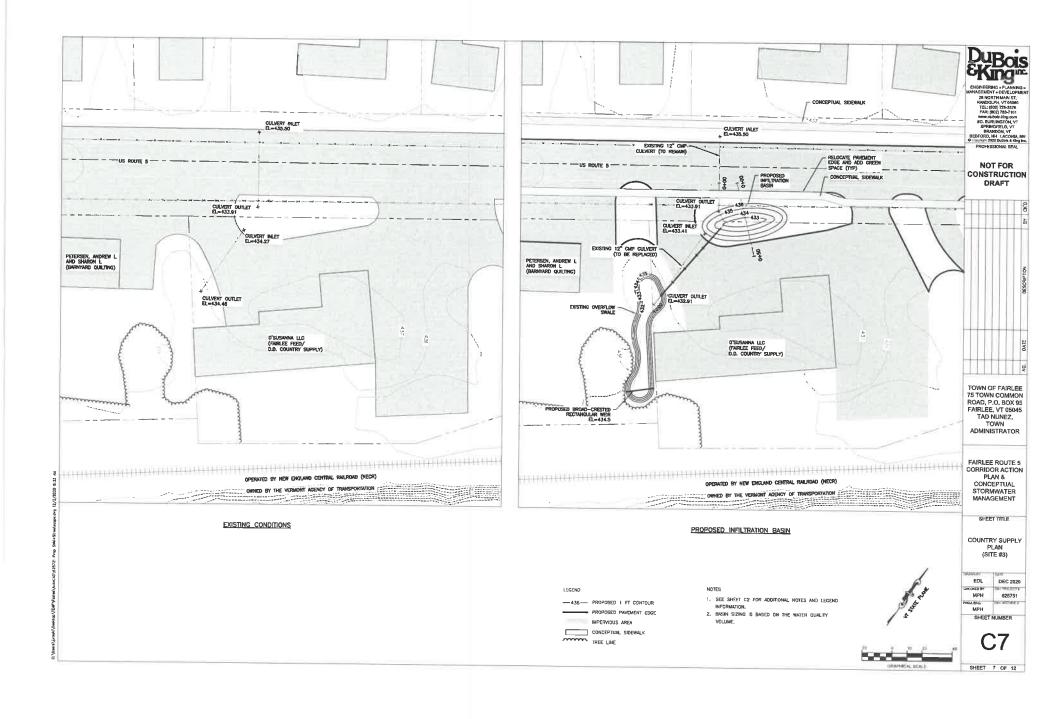
SAMURAI SOUL FOOD DRIVEWAY DETAILS (SITE #2)

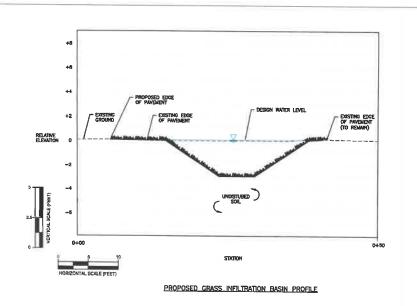
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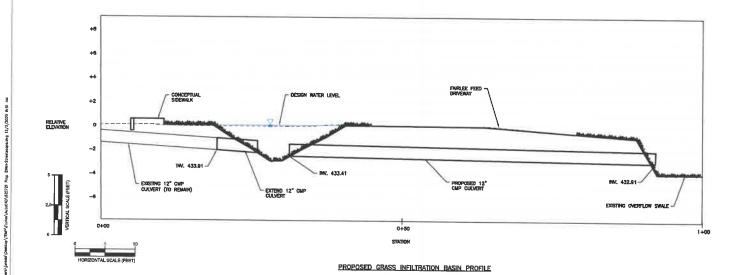
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SHEET 6 OF X







- SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
 BASIN SIZING IS DESIGNED TO RETAIN THE WATER QUALITY VOLUME.

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TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN ADMINISTRATOR

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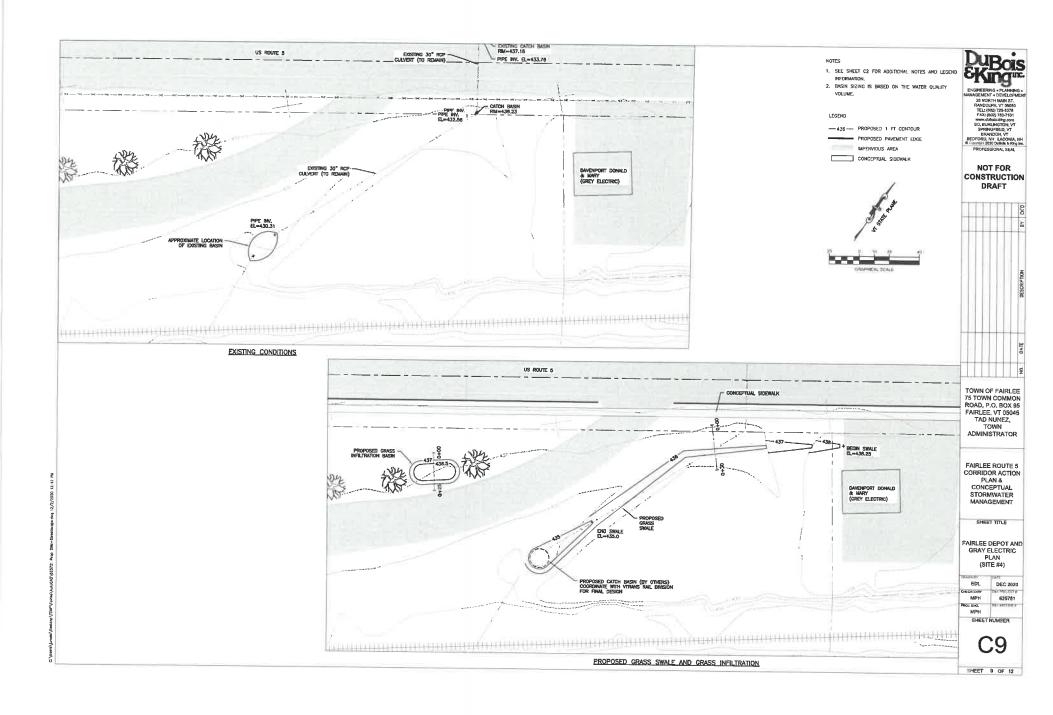
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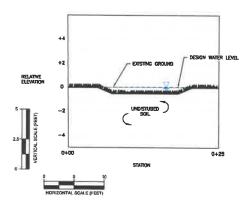
COUNTRY SUPPLY DETAILS (SITE #2)

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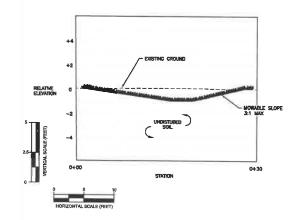
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SHEET 8 OF 12

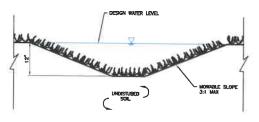




GRASS INFILTRATION PROFILE



GRASS SWALE PROFILE



GRASS SWALE TYPICAL SECTION NOT TO SCALE

- 1. SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
- 2. BASIN SIZING IS DESIGNED TO RETAIN THE WATER QUALITY VOLUME.
- 3. INFILTRATION TESTS SHOULD BE PERFORMED TO DETERMINE THE INFILTRATION RATE OF THE EXISTING SOILS.

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TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN ADMINISTRATOR

FAIRLEE ROUTE 5
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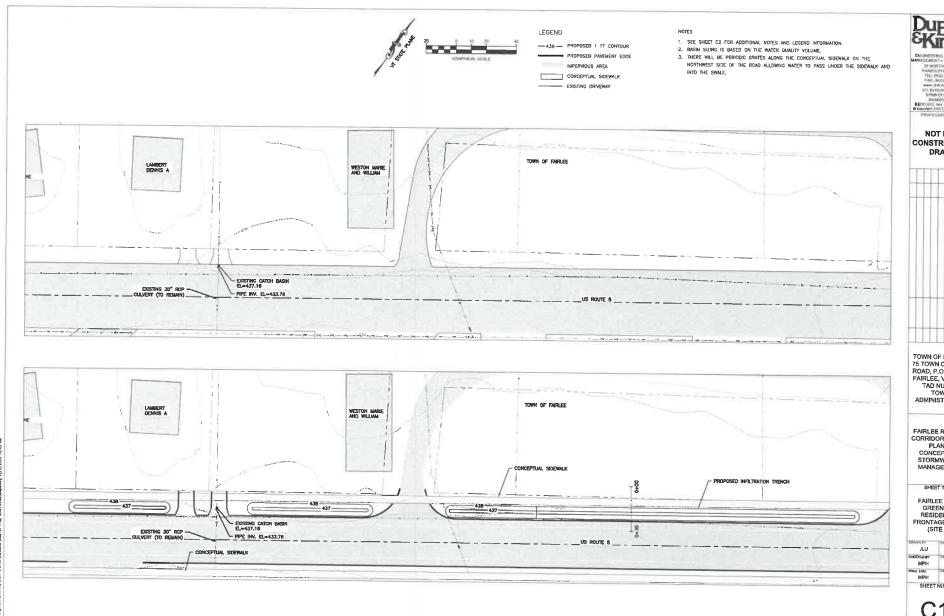
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FAIRLEE DEPOT AND GRAY ELECTRIC DETAILS (SITE #4)

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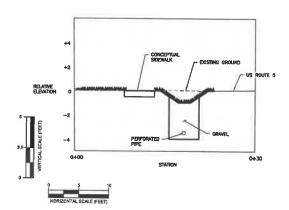
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FAIRLEE TOWN GREEN AND RESIDENTIAL FRONTAGES PLAN (SITE #5)

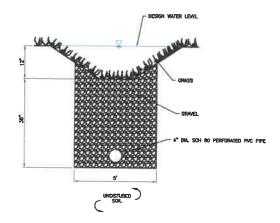
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INFILTRATION TRENCH AND PRETREATMENT SWALE PROFILE



INFILIRATION TRENCH AND PRETREATMENT SWALE TYPICAL SECTION NOT TO SCALE

NOTES

1. SEE SHEET C2 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.

 BASIN SIZING IS DESIGNED TO RETAIN THE WATER QUALITY VOLUME AND 2-YEAR STORM. DuBois King"

MANAGEMENT - DEVELOPM 28 NORTH MAN ST. RANDOLPH, VT 66960 TEL: (902) 723-5376 FAX: (902) 723-5310 HAW (806) 44/ng com SO, BURLINGTON, VT SPRINGFIELD, VT BRANDON, VT BEDFORD, NH LACOMA, N

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TOWN OF FAIRLEE 75 TOWN COMMON ROAD, P.O. BOX 95 FAIRLEE, VT 05045 TAD NUNEZ, TOWN ADMINISTRATOR

FAIRLEE ROUTE 5
CORRIDOR ACTION
PLAN &
CONCEPTUAL
STORMWATER
MANAGEMENT

SHEET TITLE

FAIRLEE TOWN GREEN AND RESIDENTAIL FRONTAGES DETAILS (SITE #5)

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INFILTRATION TRENCH AT DRIVE DETAIL NOT TO SCALE

FINE CRUSHED GRAVEL

4" DM. SCH 80 PERFORATED PVC PIPE

572) Prop STMI+Structope.dvg 12/2/2020 10:39 AM

Town Clerk • Treasurer Selectboard Office www.fairleevt.gov



Zoning Administrator Planning Commission Development Review Board Listers

Town Offices

Tel: (802) 333-4363 Fax: (802) 333-9214 P.O. Box 95 • Fairlee, VT 05045

12/07/2023

To Whom It May Concern,

The Town of Fairlee strongly supports the application for the stormwater mitigation grant to ensure that the businesses and homes along our main street can be protected from future stormwater damage. The Town of Fairlee is prepared to use part of it's operating budget to provide a match to the grant monies awarded and furthermore, commit to the upkeep and maintenance responsibilities that will be required after the construction of the stormwater mitigation project is completed.

Thank You,

Lance Mills, Selectboard Chair



Mr. Ryan Lockwood Town of Fairlee PO Box 95 Fairlee, VT 05045

December 4, 2023

Dear Ryan,

I am pleased to provide a letter of support for the Town of Fairlee's application to the SFY24 Vermont Environmental Mitigation Grant Program for construction of 30% design plans proposed for US5 in the village (includes installation of bioretention basins, infiltration basins, grass swales, infiltration trenches and pre-treatment swales). This proposal was the result of a recent Better Connections corridor study on US5 to address stormwater issues with collaboration between the Town, Dubois & King, DEC and VTrans.

We fully support the Town's efforts in mitigating stormwater runoff, improving the US5 route in town, and improving water quality.

Please contact me if you have any questions.

Sincerely,

Rita Seto, AICP Senior Planner

> 128 King Farm Rd. Woodstock, VT 05091 **802-457-3188 trorc.org**

William B. Emmons III, Chair Peter G. Gregory, AICP, Executive Director
 From:
 Perron, Logan

 To:
 Rita Seto

 Cc:
 Town Admin Fairlee

Subject: RE: Fairlee US5 Stormwater grant application - DTA 7 notification

Date: Tuesday, December 5, 2023 11:39:06 AM

Thank you Rita. We are still in support of the project.

Thanks,

Logan

Logan A. Perron AOT - District 7 Project Manager

Cell: 802.279.0818

From: Rita Seto <rseto@trorc.org>

Sent: Tuesday, December 5, 2023 11:35 AM **To:** Perron, Logan Logan.Perron@vermont.gov

Cc: Fairlee Town Administrator < townadministrator@fairleevt.gov> **Subject:** Fairlee US5 Stormwater grant application - DTA 7 notification

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

Hi Logan,

I'm helping the Town of Fairlee with a grant application to the VTrans Municipal Highway & Stormwater Mitigation grant (due this Friday). You may have recalled a few years ago, the Town applied for the same grant to do stormwater management work along US5 and got awarded. I attached the correspondence with Shauna back then. The Town is applying for this round for Phase 2 of stormwater management work (see attached map). The grant application requests we notify the District.

Let us know if you have any questions, thanks for your support! Rita

Rita Seto, AICP | Senior Planner

128 King Farm Road | Woodstock, VT 05091 802-457-3188 x3004 or cell: 802-281-2927

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