

Brandon Select Board Meeting
May 9, 2022
7:00 p.m.

The Brandon Select Board will meet Monday, May 9, 2022 at 7:00 p.m. at the Brandon Town Hall located at 1 Conant Square expecting to consider the items noted on this agenda. Agendas shall be posted on the community bulletin board located at the Town Office at 49 Center Street and on the community bulletin board located at the Junction Store & Deli at 2265 Forest Dale Road. The Select Board reserves the right to add additional items, if necessary, at the beginning of the meeting.

Interested parties may also attend this meeting electronically:

- Video Conference via ZOOM: Meeting ID (253 279 4161)
- Conference call: Dial (929) 205 6099

- 1) Call to Order
 - a) Agenda Adoption
- 2) Approval of Minutes
 - a) Select Board Minutes – April 25, 2022
- 3) Town Manager’s Report
- 4) Public Comment and Participation
- 5) Union Street Sidewalk Alternatives Discussion
- 6) Resolution for Grant Anticipation Note
- 7) Fiscal
 - a) Warrant – May 9, 2022 - \$199,102.93
- 8) Executive Session

The appointment or employment or evaluation of a public officer or employee per 1 V.S.A. § 313(3)(a)(3)
- 9) Adjournment

**Brandon Select Board Meeting
April 25, 2022**

NOTE: These are unapproved minutes, subject to amendment and/or approval at the subsequent board meeting.

Board Members In Attendance: Seth Hopkins, Brian Coolidge, Tim Guiles, Michael Markowski, Tracy Wyman

Others in Attendance: Dave Atherton, Bill Moore, Bernie Carr, Jim Emerson, Jack Schneider, Neil Silins

Other In Attendance Via Zoom: Police Chief Kachajian, Jan Coolidge, Keith Whitcomb, Annie Stratton, Stephanie Jerome, Trisha Welch

1. Call to order

The meeting was called to order by Seth Hopkins, Chair 7:00PM.

a) Agenda Adoption

Motion by Brian Coolidge/Tracy Wyman to adopt the agenda as amended. **The motion passed unanimously.**

Add Police Cruiser Purchase

2. Approval of Minutes

a) Select Board Minutes – April 11, 2022

Motion by Mike Markowski/Brian Coolidge to approve the April 11, 2022, minutes as amended. **The motion passed with one abstention – Tracy Wyman.**

Change minutes to reflect that Jan Coolidge was on Zoom, not in person.

3. Town Manager's Report

Dave Atherton provided the following report:

. The Town received the Class 2 paving grant for the Arnold District Road. The amount has been increased from \$100,000 to \$200,000.

. Mr. Atherton met with the landowner near the culvert that is to be replaced on Arnold District Road regarding a temporary easement. They are very supportive of the project and are excited to see it getting replaced.

Bill Moore, Acting Town Manager during Mr. Atherton's absence, provided the following report:

- . The Highway Department has been busy with spring clean-up.
- . Pickleball @ the Neshobe school will commence on Sunday, May 1st from 3PM to 5PM
- . May 7th is Green-up Day. Join Jim Leary, Green-up Day Coordinator, at Central Park to pick up bags and give instructions on where to bring them after being filled.
- . May 14th is the Neshobe Kindness and Safety Day. A multi-organizational collaboration to bring folks together at the Neshobe School from Noon to 4PM. Neshobe PTO, Brandon Fire, Rescue, Police, Brandon Area Toy Project, Brandon Area Bike Association, and the Rec will have many family-friendly displays along with food, music, fun, annual Omya Helmet Give-Away, Boyce Family-sponsored Bike Safety Course, and Brandon Area Bike Association bike tune-up.

4. Public Comments and Participation

Bill Moore reported there will be a revote of the OVUU school budget tomorrow and polls will be open in Brandon from 10AM to 7PM. The voting will take place at the Brandon American Legion.

5. Announce Vacancies on Planning Commission

Seth Hopkins reported there are two vacancies on the Planning Commission. Individuals interested in serving on the Committee were encouraged to contact the Town Manager.

6. Appointment

. Rutland Regional Planning Commission (RRPC) Representative for Remainder of Term Ending June 30, 2022

Mr. Hopkins advised this appointment would take the Town Manager's place on the RRPC Board. Dave Atherton noted it is better for someone on the local Planning Commission to be the regional representative to the RRPC. Mr. Hopkins thanked Mr. Schneider for volunteering to serve as the Town's representative to the RRPC.

Motion by Tracy Wyman/Mike Markowski to approve the appointment of Jack Schneider as Brandon's representative to the RRPC for the remainder of the term ending June 30, 2022. **The motion passed unanimously.**

7. Brandon Energy Committee

. SolarFest Discussion

Jim Emerson reported SolarFest will have an Open House on June 4th for their main supporters, volunteers, and key people, including several members of the community. The event will be to explain their game plan for the current and coming years. They have invited the Town Manager

to share a few words of welcome. Their annual event this year will be a one-day event on September 12th and they are currently formulating the plan for the festivities. Mr. Emerson advised that as a citizen of the Town, he is brainstorming ideas of what can be done in coordination with their fall event to involve local businesses. Jack Schneider advised their annual event is usually held in July but has been pushed back to September this year. Bill Moore acknowledged the hard work of the Brandon Energy Committee and Selectman Tim Guiles in welcoming SolarFest and serving as liaisons for the Town. Seth Hopkins noted something like this does not just happen but is a cultivation of relationships and background work that goes into attracting this type of group to the community and extended the Select Board's gratitude. Mr. Emerson advised SolarFest is also planning to have a year-round training program with in-class training and will be using the barn space for some of their hands-on programs. Dave Atherton suggested meeting with Bill Moore, the Chamber Director and him to discuss how to welcome SolarFest to town without causing financial burden to the businesses. Mr. Atherton reported he received a call from the State asking about the Davenport monument in Forestdale that the Town owns. He noted it needs a refurbishing and welcomed assistance from anyone who would like to volunteer for this project. Mr. Emerson will bring this request to the Energy Committee. He also noted the Energy Committee is hoping to do a video to announce the Davenport Fest that will include the monument. Stephanie Jerome reported the Thomas Davenport resolution was signed by the House of Representatives and will be presented at the EVFest this July. Ms. Jerome questioned if the SolarFest's training would result in certification and Mr. Emerson confirmed that it would. Ms. Jerome suggested advertising this with the local high school. Mr. Emerson reported SolarFest has been coordinating with Devon Karpak at Otter Valley regarding this program and have been discussing other areas where they can work together with the school. Mr. Hopkins requested the resolution be shared with the Select Board and suggested it be made more accessible. Ms. Jerome noted it was a good opportunity to educate the House regarding Thomas Davenport and is a good piece of PR for the State and Brandon. It was noted that Dr. Kevin Thornton had drafted the proclamation for the Town and Mr. Moore advised that Dr. Thornton has put a lot of time and effort to bring Mr. Davenport's fame to light. It was noted that SolarFest will be located north of Brandon on the land behind the Community Health Center with access from Route 73.

. ARPA Community Solar

Jim Emerson stated the Energy Committee suggests a community solar project as one of the uses for the ARAP funds with a proposed location of the old landfill on Corona Street. The suggested system would be for a 150kW solar project due to the single-phase power by GMP. The available land is close to an acre and if deemed to be less than an acre, the Energy Committee discussed with MHG the possibility of more efficient panels to use on less land. MHG recommended using stone cages as a more economical and environmentally friendly option to using concrete platforms for the panels. MHG provided a cost estimate of \$375,000 to \$525,000 due to current supply chain issues. Mr. Emerson stated it was calculated the Town uses about 415,000kW hours annually. From the Town's contract with Green Lantern of 320,000kW hours, there is still 95,000kW hours needed currently. Excess generation could be used by the Fire District at a discounted rate, with the estimated usage of that department at 200,000kW hours per year or it could also be used for community solar. This project would help the Town meet its goal towards the State's renewable goal. As the Town moves more towards use of EVs, the

current fleet is traveling around 55,000 to 60,000 miles per year which would need an estimated 20,000kW hours per year. Mr. Emerson advised in the event of an issue with a landfill solar project, there is potentially an alternative solution as SolarFest is planning to place a 500kW community solar project on their land. Mr. Emerson noted the 150kW project would generate 235,000kW hours, which would provide a net savings of \$40,000 per year that would benefit the taxpayers of the Town. The Energy Committee endorses setting aside \$500,000 of ARPA funds for a solar project until the exact cost could be determined. The \$40,000 savings could be used for bonds to fund the other projects on the ARPA fund list. Dave Atherton stated the landfill has a clay cover and a solar project would need to be flush mounted as the covering could not be penetrated. Tim Guiles noted Bristol had the same issue and their project was developed totally on the surface without penetrating the land. Mike Markowski noted \$500,000 would use 90% of what is left for ARPA funding with around \$125,000 used for the Fire District 1 and 2 project and \$360,000 for the Newton Road pump station project. Mr. Emerson stated in three to six months, a more accurate figure could be determined. Mr. Atherton would like to see the projects that are at a crucial need get done first and noted that bonding for sidewalks or roads is not a good idea as the Town would be paying past the longevity of what is being bonded. Mr. Atherton suggested discussion with another solar company, similar to the agreement the Town has with Green Lantern where the solar company builds the array and the Town receives cost savings and taxes on the project. Tim Guiles stated when reviewing Middlebury's project, they compared Green Lantern to ownership, and ownership created a much larger benefit. He thought Green Lantern is great for the Town, but ownership would be more beneficial. It was suggested to bond for the solar project and use the ARPA funds for the municipal projects. It was also suggested a solar array could potentially be placed on the Police Department roof to make the entire complex self-sufficient or at the future Town Garage. Mr. Atherton advised he had previously discussed the landfill location with Green Lantern and the concern was that the three-phase falls short so it is not as cost effective. Mr. Guiles stated Green Lantern could not make it possible, but with town-ownership it comes into a different class and he would like to see a bid process to determine the hard numbers. Jan Coolidge questioned who would be paying for the decommissioning costs as all costs need to be considered. Mr. Emerson advised the decommissioning costs would be fairly modest with the cages and the panels now recyclable. Mr. Atherton noted with the Green Lantern project, they own the panels and are responsible for decommissioning the project and the Town gets 15% of the energy and payment for leasing the land. Mr. Hopkins stated the Board will continue to look at all projects and the funding sources available and for community solar, there may be another option for the Town to consider in six months.

. Electric Police Car Research

Jack Schneider of the Energy Committee reported he had researched information about EV police cruisers and provided a summary to the Select Board. The Energy Committee is following the Towns' Green Fleet Policy to try to reduce gas house emissions. Mr. Schneider attended a demonstration by the Richmond Police Chief of their EV police cruiser that the department has had since October. The advantage of an EV is that they are fast, have very low fuel costs and virtually no maintenance. It was noted that Tesla has some cars that are going to be approaching one million miles. Richmond's Chief thinks their replacement cycle will be 6 years rather than 4 years. In general, there is a price premium for EVs but payback would be 18 months to 2 years.

Some of the perceived drawbacks is the range, however, Richmond is going over three hundred miles on a charge. In Brandon, the vehicles are driven 40 or 50 miles per day. In Brandon, the officers can drive their cars home and they could be plugged in there. In cold weather, the Tesla model is found to lose 20% of the charge. The NYC police department has put in ballistic glass and carry more equipment than this Town's department would need and the additional weight is not considered to be an issue for Richmond. The interior for both the Tesla and Ford Mach-E are too small for a cage. Richmond has put a cage in their truck for prisoner transport. Richmond's Chief also noted the EV performs well in snow but is more of an issue on muddy roads. Of the major car manufactures, Nissan and Toyota offer an EV that is used for administrative purposes, but not for patrol. Ford and Tesla are the major players for the police departments with Ford having two-thirds of the market. Dodge is a couple of years away from offering an EV for police use. In terms of environmental reasons and the cost of maintenance and fuel, an EV makes a lot of sense for the Town. There are supply chain delays. Ford completely outfits the Mach-E cruiser; however, a retrofitter would need to be found for the Tesla for the lights or other kinds of equipment. The Tesla fully loaded would cost between \$60,000 and \$62,000 and the Ford Mach-E's cost would be \$54,000 plus add-ons. Richmond paid \$58,0000 fully loaded for their Tesla. There will be a delay with purchasing an EV, but if there is not an immediate need, it is recommended to postpone the purchase. Jim Emerson stated Tesla does require some retrofit, but there are companies in the region that do that. With the principle of reduce, recycle, and reuse, the Energy Committee is recommending the Town not buy a vehicle until it is really needed. He does not think there is a huge emergency to purchase one right now.

Dave Atherton reported the Town's fleet consists of an F150, two – Explorers, two – Taurus and two – Chargers of which one is out of service. The Town is looking at trading one of the Chargers and there is a need to replace the other one that is ten years old. There are currently six staff members that includes Chief Kachajian. Mr. Atherton advised that all officers take a car home and the Chief is conducting interviews for hiring another officer. There will be seven police officers and there will be a need to supply seven vehicles. Tim Guiles did not think there was the need for officers to take vehicles home. It was noted that this is a stipulation in the Union contract. Mr. Guiles stated there is information about per capita spending on police and the average in Vermont is \$62.91 and Brandon spends \$220 which is more than three times the average. He thinks it is reasonable to discuss how to bring the Town's police department towards the average. Mr. Atherton stated the officers are on call and this is one of the benefits of working for the Brandon Police Department. Over the last couple of years, the Department has been smaller that has required the officers to be on call. With regard to the cost, the townspeople wanted 24-hour coverage and there are some towns that have part-time coverage and do not have full-time certified officers. There are also towns that are covered by the State Police. Mr. Guiles questioned how often officers need to respond from home, rather than going to the office to get a car. Tracy Wyman stated the community had indicated they wanted 24-hour coverage and if a change were to be made, he thought the Select Board needs to put this out to the voters. Mr. Wyman cited an incident in Leicester where someone had to wait for two hours for the State Police to arrive on a scene. Mr. Wyman also noted the Union contract indicates the officers can take a car home and retention of good officers is important. Mr. Guiles stated it has not been proven successful in maintaining staff with allowing the police officers to take their cars home. Mike Markowski stated the number has been determined to be seven officers as Chief Brickell had indicated that would be required for 24-hour coverage. Trisha Welch suggested the Town

should be buying a new gas car as it can be purchased from G. Stones now and when the quirks are worked out, purchase an EV in the coming years. The police should be supported and Ms. Welch does not want to have to wait for an officer to go through a snowstorm to get a car before answering a call. Chief Kachajian advised with seven officers, the Department is able to do 20-hours with officers on call for 4 hours. He is actively trying to recruit officers and, in this day and age, Brandon needs to be competitive and needs to compete with other agencies. The Town will lose officers to other towns that can offer additional benefits and there is a need to invest in good employees. He does not want to see anything that can affect that and taking home cars is a benefit and will attract officers to come into the Department. There are other towns that will offer more to take officers away from towns. He noted that a take-home car is a major benefit and in inclement weather, it can make a difference between life and death. There are 20 hours when officers are on duty and 4 hours a day when officers are on call and he hopes to get the extra position to get to 24 hours. Mr. Atherton noted there is nothing on the agenda to talk about a change in the Police Department. Seth Hopkins stated the conversation provides information to the Select Board for their consideration of an EV or gas police car. Jim Emerson stated if it is deemed necessary to purchase now, an EV will last twice as long compared to the current fleet. There will be a savings of \$45,000 per year once one recovers the excess costs. He does not want to go back to gas and pollute. Bill Moore stated this is a phenomenal Police Department and one needs the history of the Town to understand how it decided this amount of coverage and the willingness to fund it. Tracy Wyman agreed the Town needs to go to EVs, but he does not think it is the right time to do that.

8. Police Car Purchase

Seth Hopkins noted there has been a lot of information received which includes the prior EV research discussed.

Motion by Brian Coolidge/Tracy Wyman to move forward with the Police Chief's recommendation to purchase a Ford Explorer for an amount not to exceed \$45,242.

Tim Guiles stated investing in fossil fuel is the wrong thing to do and at the very least, the Town should not be replacing a car with an SUV that is a larger vehicle. The Energy Committee has produced valid information and talked to other police departments that shows an EV police car is viable. Brian Coolidge noted he trusts the police chief's recommendation and he does not think the EVs are ready for police use. Tracy Wyman noted the delivery time would also be longer. Police Chief Kachajian understood Mr. Schneider's presentation and recommendation but noted that his recommendation did not change. He agreed the next purchase of a police vehicle would be an EV as long as it is a viable option for the Department. He needs to do what is the best for this community and he does not feel that it is the appropriate choice at this time, but by the time another vehicle is purchased he intends to do so. He is trying to be fiscally responsible and is committed to going green and will commit to purchase an EV if it suits the Department's needs in the future. The Mach-E is not built for police departments and he does not feel comfortable with transporting a prisoner that is not separated by a cage. The safety of his officers is a major concern, but he is more than willing to look at an electric vehicle when the time comes in the future.

The motion passed 3 to 2 – No votes by Seth Hopkins and Tim Guiles.

9. ARPA Discussion

Seth Hopkins noted there was previous discussion in the meeting and this agenda item is a placeholder for discussion.

10. Trustees of Public Funds Position on Mosquito Abatement Funding

Seth Hopkins reported the Trustees of Public Funds have a change in the position of funding mosquito abatement. Minutes of their meeting were provided to the Board noting they have been advised by an attorney that the bequest is not designated for mosquito control. Mr. Hopkins noted the Town has relied on the funding to cover a portion of the assessment to the mosquito district. Mr. Hopkins stated it is the responsibility of the Town to meet the Otter Creek Watershed Insect Control District funding. Mr. Hopkins questioned the analysis of the bequest noting that in 1960 when the Shirley Farr's will was created, drainage of swamps and spraying of trees was the way insects were controlled and noted Ms. Farr served a long time on a committee to control and mitigate these ill effects. Mr. Hopkins requested the Town Manager have a conversation with the Trustees of Public Funds regarding this topic. Mr. Atherton suggested having a conversation with the Town's attorney first. Mr. Atherton stated the Trustees have funded a portion of the assessment for quite some time and did not have a problem with the language in Shirley Farr's will and it is not known why the interpretation changed. Bernie Carr stated perhaps the current board has taken a different view but noted for the general welfare of the community and quality of life, the funding has to come from somewhere. He is sure that every taxpayer feels strongly about the mosquitoes, as the quality of life was down to zero when the mosquitos were a major issue. This is money well spent for the Town of Brandon and it needs to be taken care of somehow. Mr. Carr stated there is a backlash to the mosquito district and this is dangerous as it is known what can happen. The Town cannot let the mosquito district be reduced as a thriving village could not be maintained. Mr. Hopkins agreed and noted there has been full support for the mosquito district. The Select Board is not wavering for the mosquito district, but the bequest needs to be honored. The Town Manager will talk to the Town's attorney and will have a conversation with the Trustees of Public Funds on this subject.

10. Fiscal

a) Warrant – April 25, 2022 - \$106,887.02

Motion by Brian Coolidge/Tracy Wyman to approve the April 25, 2022, warrant in the amount of \$106,887.02. **The motion passed unanimously.**

The Board recessed at 8:38PM.

The Board reconvened at 8:46PM.

Motion by Seth Hopkins/Mike Markowski to enter into executive session at 8:46PM for the appointment or employment or evaluation of a public officer or employee per 1 V.S.A. 313(3)(a)(3). **The motion passed unanimously.**

11. Executive Session

Motion by Tracy Wyman/Mike Markowski to come out of executive session at 9:45PM. **The motion passed unanimously.**

There were no actions required.

12. Adjournment

Motion by Brian Coolidge/Tracy Wyman to adjourn the Select Board meeting at 9:46PM. **The motion passed unanimously.**

Respectfully submitted,

Charlene Bryant
Recording Secretary

Town Manager Report for May 9, 2022

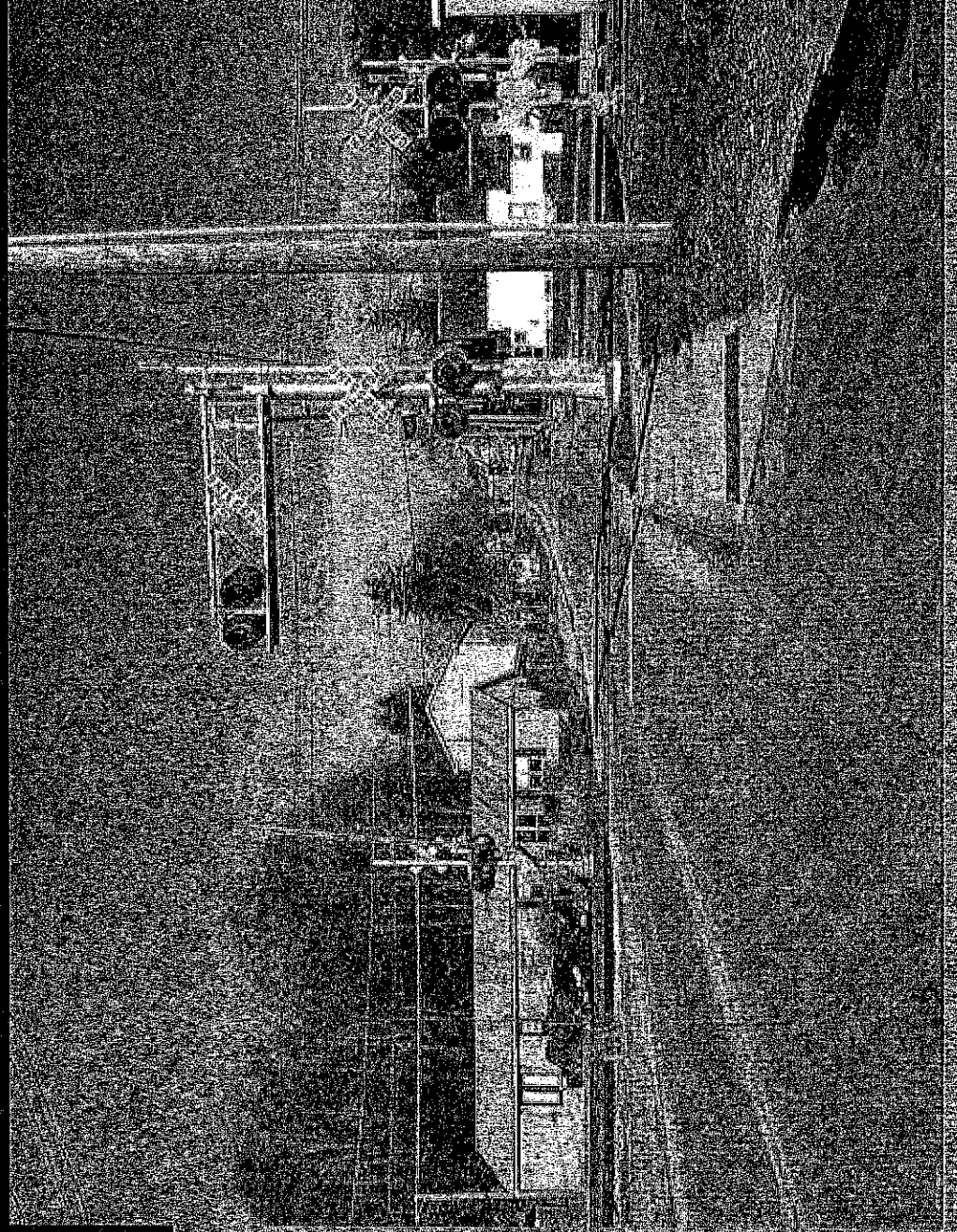
- Attended the April 28th Rutland Region Transportation Advisory Committee meeting. There was a VTrans presentation on the Complete Streets Program and a discussion on cost effective solutions for pedestrian safety, especially in and around crosswalks. Shawn and I have been discussing ways to make a couple of our crosswalks more visible to traffic so this discussion was quite helpful for us.
- The Arnold District Culvert replacement project has gone out to bid. There will be a pre-bid meeting on site on May 18th at 10 am and the bid opening will be at the Town Office on June 3rd at 10 am.
- I have now received two of the three appraisals for the next round of property buyouts on Newton Road. Both property owners are satisfied with the appraisal results and will be moving forward with the buyout process.
- The caution signs for the Sanderson Bridge that we installed at the intersection of Long Swamp and Short Swamp Road have been stolen. This is very unfortunate as the signs were placed there to deter lost trucks from attempting to drive into the bridge. These particular signs were custom made for the Town and were not inexpensive.
- I will be out of town from May 11th to May 14th to attend a PACIF conference.

Rec Dept News:

- The baseball diamonds and fields are full with baseball/softball players. There are over 160 kids playing on 13 teams this spring season.
- Another reminder about Kindness and Safety day at the Neshobe School on May 14th. The Neshobe PTO/Brandon Rec/Brandon Area Toy Project sponsored event will be a great way for the community to reconnect. The ever-popular FREE OMYA bike helmet give-away will draw a crowd.
- Archery is back at Estabrook Park starting Thursdays in June.
- The Miss Michaela Dance class recital is on Saturday, May 21st @ the Brandon Town Hall 6:30 start time.
- Summer Programming is being released on the brandonrec.com website.

**Brandon, VT TAP TA21(2)
Union Street Sidewalk Reconstruction -
Alternatives Presentation**

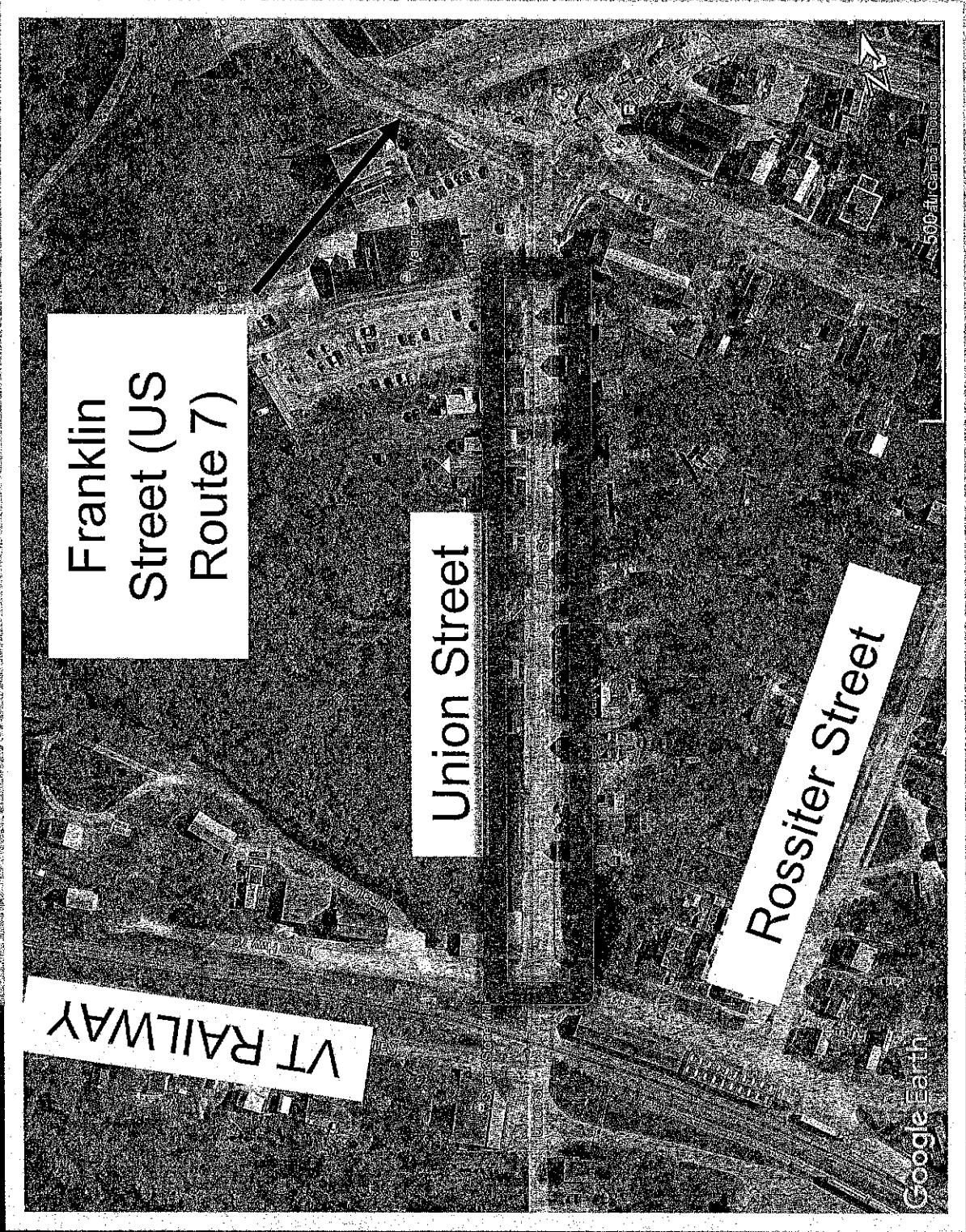
May ■ 2022



Purpose of Meeting

- Project overview
- Project Development process
- Purpose and Need
- Present alternatives
- Questions and concerns

Project Overview



Project Background

- Town applied for SFY 2021 Transportation Alternatives Program (TAP) grant funding and was awarded grant in fall 2021.



SELECTBOARD
SHEP HAYES, CHAIR
DOUG BAILEY, VICE-CHAIR
TRACY WYMAN, CLERK
BRIAN COOLIDGE, SELECTMAN
TIM GUILLE, SELECTMAN

Date: 28 September 2020
To: VTrans
From: Selectboard of the Town of Brandon
Subject: 2020 VTrans Bicycle & Pedestrian Grant Support

The Town of Brandon plans a comprehensive rehabilitation of a portion of Union Street (Town Highway 5) to enhance safety, connectivity, universal accessibility, and economic development in our community. To that end, the selectboard supports the application for funding through the 2020 VTrans Bicycle & Pedestrian Grants and respectfully requests your positive consideration.

The Union Street project will entail removal of undetected and falling sidewalks on both sides of the street (approximately 750' each side, total 1,500'). Sidewalks will be reconstructed to ADA-compliant standards, and will serve many residents of our community. The north end of the project is the supermarket, dentist's office, and all other village amenities of Brandon's Designated Downtown. The south end of the proposed work will meet a railroad crossing recently improved by Vermont Railways; this location is also home to co-working spaces and small office buildings used by many small-scale entrepreneurs. Just beyond that is a significant Rutland County Housing Trust property which provides safe apartments to underserved members of our community. The new sidewalks will connect to Union Street; this segment provides access/service for the Housing Trust property residents, a number of whom are senior drivers.

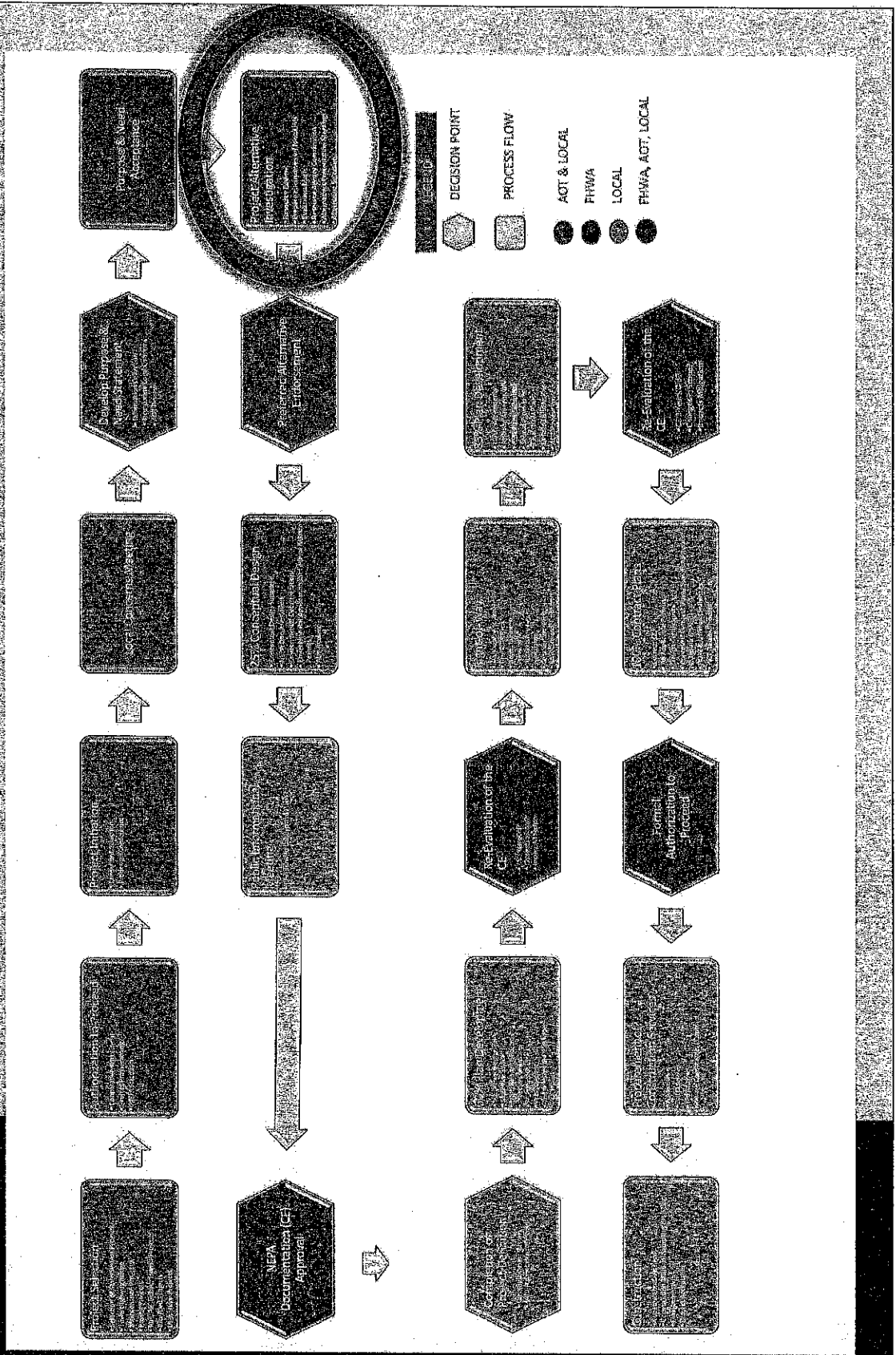
Two pedestrian crosswalks are planned, across Union Street and across Church Street. Significantly, Church Street features a multi-use building which in the past has been home to the Boys & Girls Club and presently continues to host several community groups.

Union Street is popular with bicyclists, both local residents and tourists, as is parallel US Route 7, and affords a much quieter traffic experience, connecting to the covered bridges of Pittsford via beautiful Brandon farmland and conserved wetland.

Brandon's Designated Downtown has been positively transformed through the US Route 7 Segment Six project, and Union Street is the next logical step in continuing our progress to provide a safe, attractive, walkable and bikable village for the benefit of all.

Respectfully submitted,

Vtrans Municipal Assistance Bureau Flowchart



Local Concerns Meeting

- Local Concerns meeting held on March 28th, 2022
- D&K presented an overview of the project and requested feedback from the public on issues or concerns.
- Concerns raised during the meeting included:
 - Driveway grades
 - Right-of-Way
 - Project Schedule
 - Property Owner impacts
 - Drainage

Purpose and Need

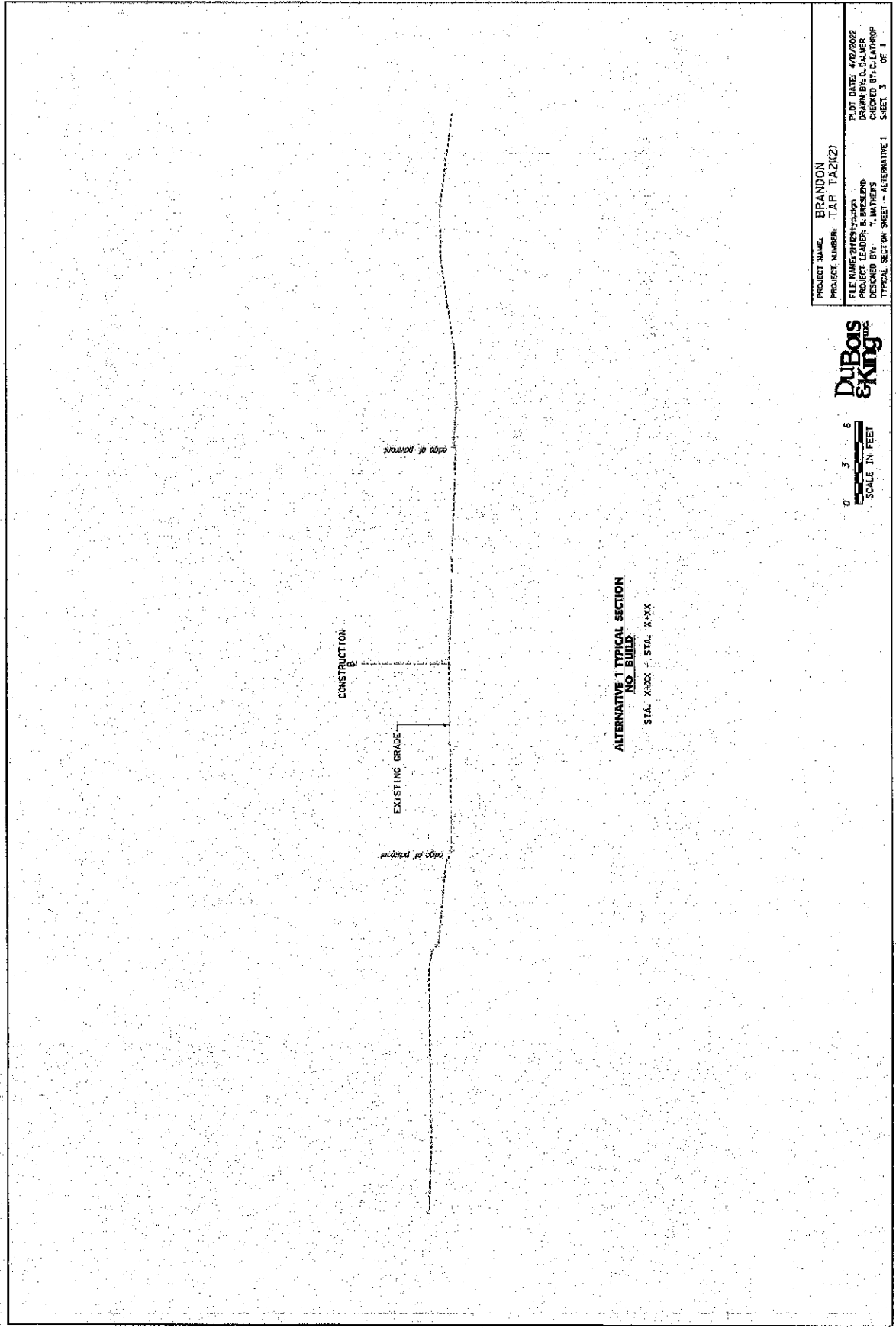
Purpose:

- The purpose of the project is to improve and enhance safety, mobility, connectivity, and universal accessibility for pedestrians and improve economic development in the community.

Need:

- The existing facilities lack proper drainage resulting in ice buildup in the winter, leading to unsafe conditions
- Much of the existing pedestrian facilities lack proper curb reveal, spawling/cracking of existing sidewalk, and sidewalk cross slopes that are too steep, resulting in inadequate access for pedestrians, especially ones with disabilities.
- Union Street is popular with bicyclists, both local residents and tourists, as it parallels US Route 7 and affords a much quieter traffic experience, connecting to covered bridges of Pittsford via beautiful Brandon farmland and conserved wetlands.
- Several sections of the existing pedestrian facility are no Americans with Disabilities Act (ADA) compliant with respect to sidewalk width
- The Union Street, Church Street and N. Railroad Avenue intersection lacks proper curb ramps, detectable warning surfaces, pedestrian warning signage and pedestrian pavement markings
- In recent years, sidewalk segments just upstream and downstream from the project limits have been constructed to applicable Federal, State and Town standards and policies. Improving safety and mobility through the project limits would bridge the gap and provide one continuous ADA compliant sidewalk segment.

Alternative 1 -- no build



ALTERNATIVE 1 TYPICAL SECTION
NO BUILD

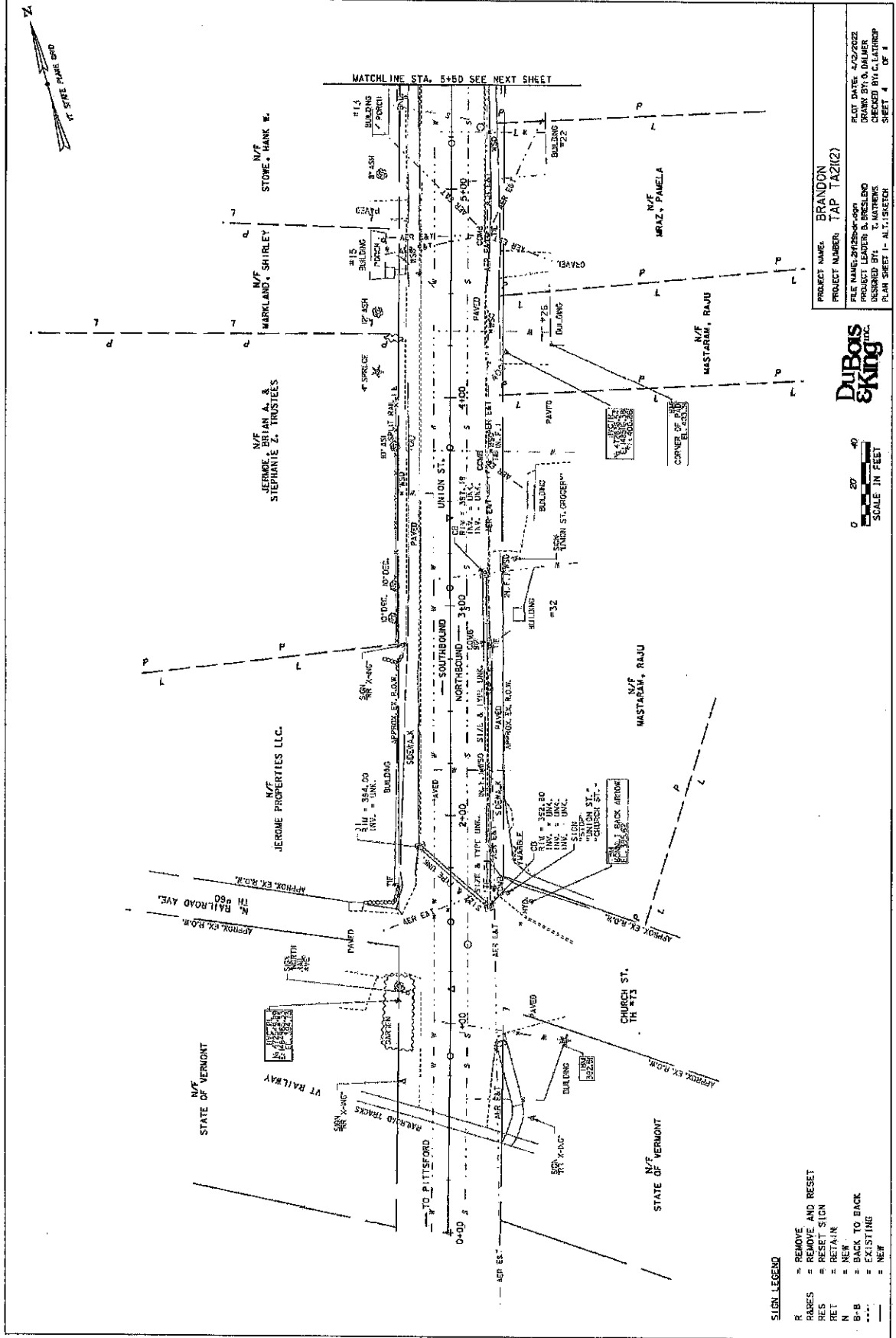
STA. X+XX - STA. X+XX



PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TA21(2)
FILE NAME: 20200101-001
PROJECT LEADER: B. BRISLIND
DESIGNED BY: T. MATHEWS
CHECKED BY: C. LATROP
TYPICAL SECTION SHEET - ALTERNATIVE 1
PLOT DATE: 4/10/2022
DRAWN BY: A. CHAMBERS
CHECKED BY: C. LATROP
SHEET 3 OF 11

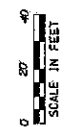
Brandon, VT
TAP TA21(2)
Alternatives Presentation

Alternative 1 - no build



SIGN LEGEND

R	REMOVE
R-R	REMOVE AND RESET
RES	RESET SIGN
RET	RETAIN
N	NEW
B-B	BACK TO BACK
---	EXISTING
-	NEW



PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA21(2)
 FILE NAME: 202508-001
 PROJECT LOCATION: BRANDON
 DESIGNED BY: T. MATRINS
 PLAN SHEET 1 - A.T. SKETCH
 SHEET 4 OF 4

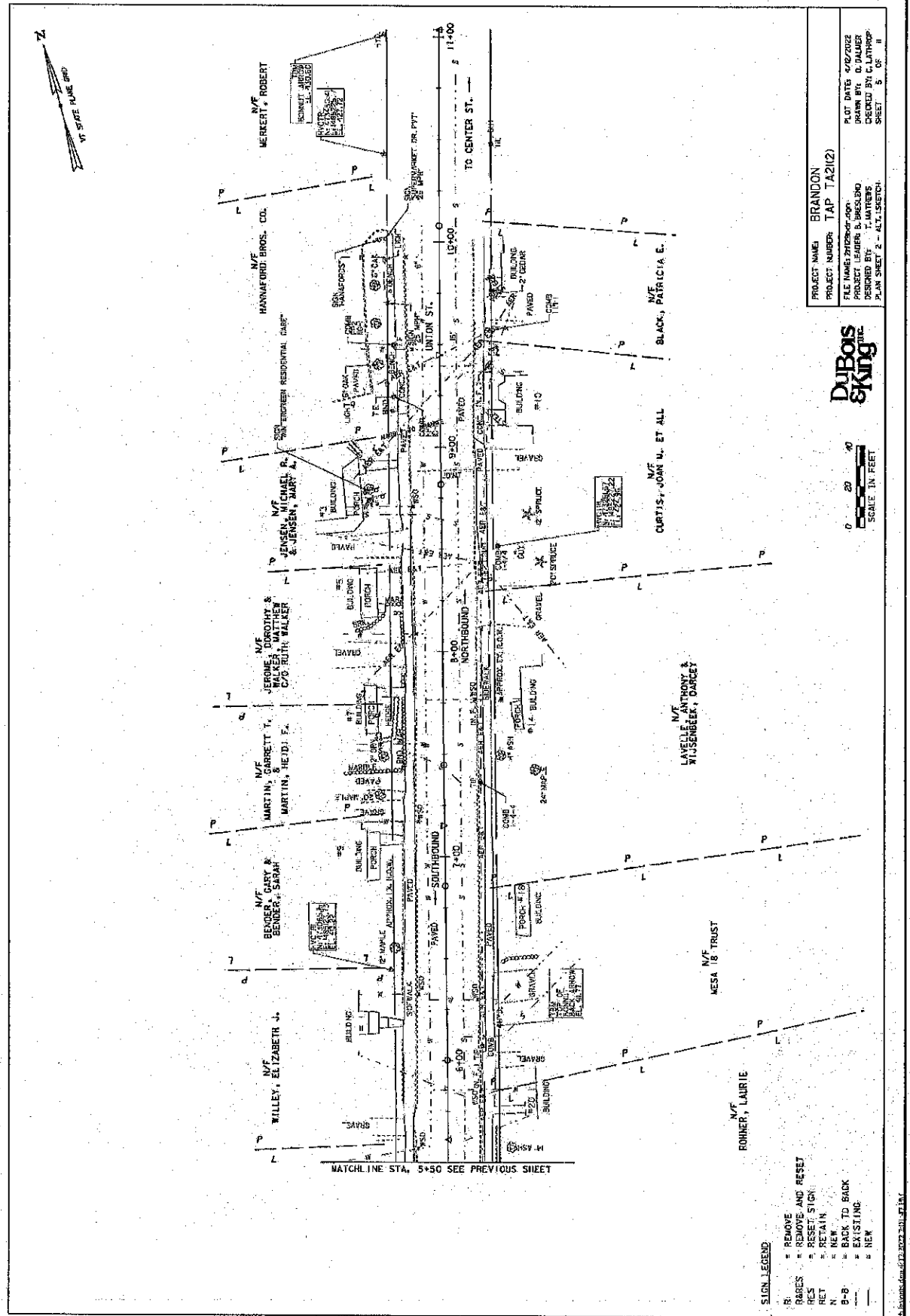
NOT DATE: 2/2/2025
 CHECKED BY: CLAYTON
 CHECKED BY: CLAYTON
 SHEET 4 OF 4

Brandon, VT

TAP TA21(2)

Alternatives Presentation

Alternative 1 - no build



- SIGN LEGEND**
- R = REMOVE AND RESET
 - RABES = REMOVE AND RESET
 - RES = RESET SIGN
 - RET = RETAIN
 - N = NEW
 - B-B = BACK TO BACK
 - = EXISTING
 - = NEW

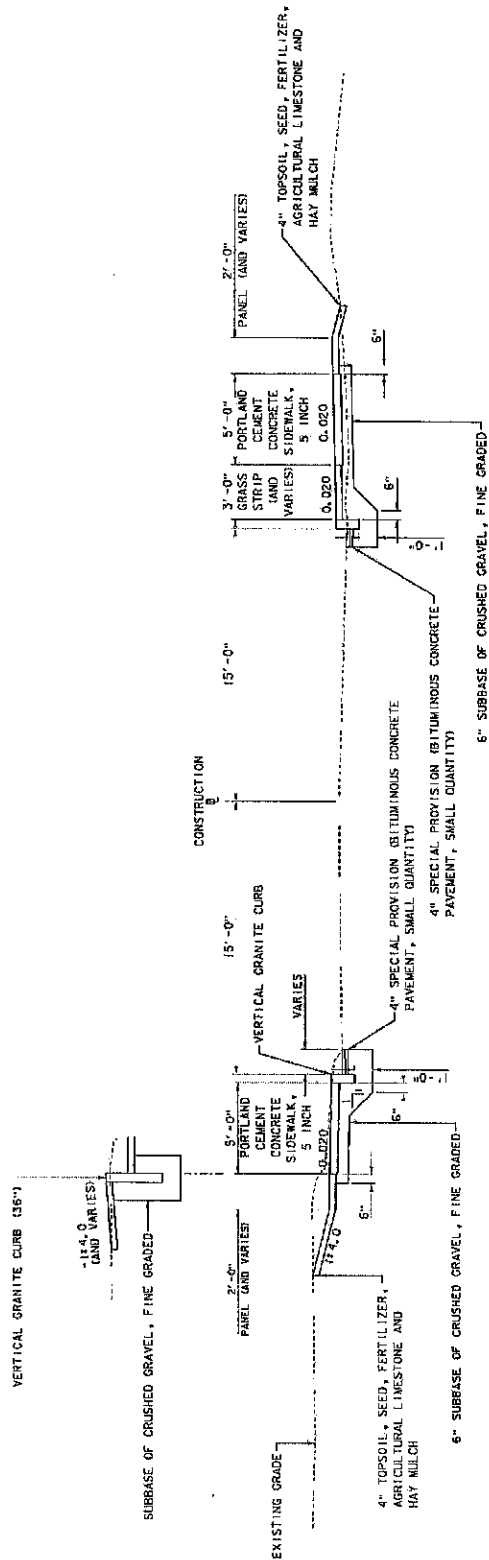


0 20 40
SCALE IN FEET

PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA21(2)
 FILE NAME: 212526.dwg
 PROJECT LEADER: B. BRESLHO
 DESIGNED BY: T. MATTERS
 PLAN SHEET 2 - ALL SHEETS

PLOT DATE: 4/2/2022
 DRAWN BY: D. DALMER
 CHECKED BY: C. LATHROP
 SHEET: 5 OF 11

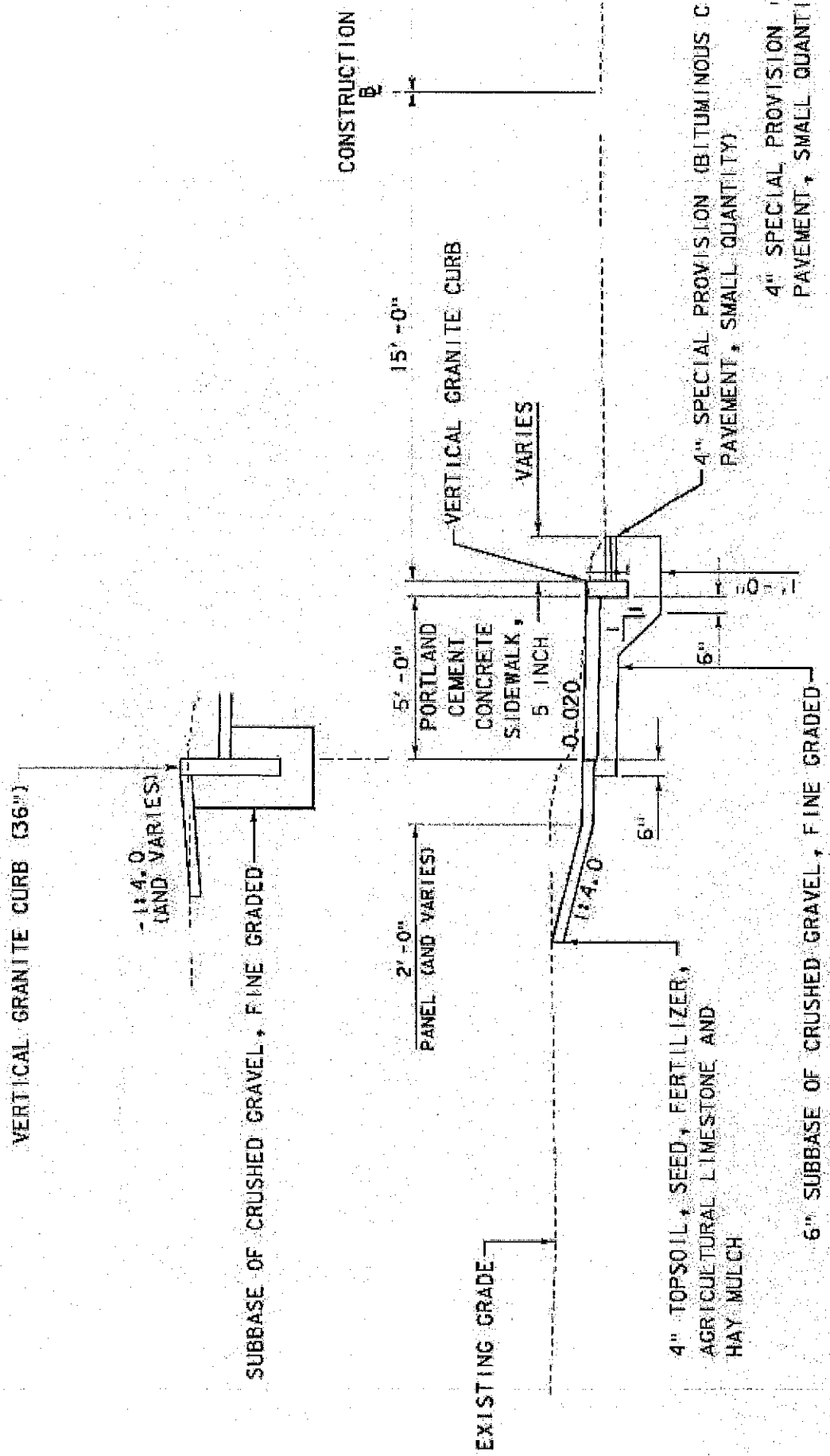
Alternative 2 -- Curbed Sidewalk



PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TA21(2)
FILE NAME: 075750-00-000
PROJECT NUMBER: 075750-00-000
DESIGNED BY: T. MATHEWS
TYPICAL SECTION SHEET - ALTERNATIVE 2
SHEET 6 OF 1



Alternative 2 -- Curbed Sidewalk



Brandon, VT
TAP TA21(2)
Alternatives Presentation

Alternative 2 -- Curbed Sidewalk

DuBois & King
Engineering • Planning • Development • Management

JOB: Brandon, VT Union Street Sidewalk Reconstruction Project
SHEET NO. _____ OF _____
CALCULATED BY: _____ DATE: 04/08/22
CHECKED BY: _____ DATE: 04/08/22
SCALE: _____

DuBois & King
Engineering • Planning • Development • Management

JOB: Brandon, VT Union Street Sidewalk Reconstruction Project
SHEET NO. _____ OF _____
CALCULATED BY: _____ DATE: 04/08/22
CHECKED BY: _____ DATE: 04/08/22
SCALE: _____

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
201.10	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	LS	1	\$5,000.00	\$5,000.00
205.16	COMMON EXCAVATION	CY	50	\$15.00	\$750.00
205.18	SOLID ROCK EXCAVATION	CY	10	\$100.00	\$1,000.00
204.20	TRENCH EXCAVATION OF EARTH	CY	650	\$25.00	\$16,250.00
204.22	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	CY	1	\$75.00	\$75.00
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	650	\$30.00	\$19,500.00
301.26	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	CY	640	\$40.00	\$25,600.00
404.05	EMULSIFIED ASPHALT	CHT	15	\$150.00	\$2,250.00
601.25.5	18" CURE(S)	LS	1010	\$45.00	\$45,450.00
604.10	CONCRETE CATCH BASIN WITH CAST IRON GRATE	EA	4	\$4,000.00	\$16,000.00
604.12	REPAIR, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	EA	4	\$1,500.00	\$6,000.00
610.21	VERTICAL GRANITE CURB	LF	1450	\$50.00	\$72,500.00
616.41	REMOVAL OF EXISTING CURB (FOR SALVAGE)	LF	1230	\$7.00	\$8,610.00
616.10	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SF	710	\$80.00	\$56,800.00
616.11	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SF	160	\$110.00	\$17,600.00
618.30	DETECTABLE WARNING SURFACE	SF	30	\$50.00	\$1,500.00
618.20	REMOVING AND RESETTING PROPERTY MARKERS	EACH	2	\$500.00	\$1,000.00
620.60	REMOVING AND RESETTING FENCE	LF	120	\$10.00	\$1,200.00
626.33	PVC SEWER PIPE	LF	50	\$75.00	\$3,750.00
626.20	ADJUST ELEVATION OF VALVE BOX	EACH	13	\$200.00	\$2,600.00
629.33	PLASTIC WATER PIPE, RIGID	LF	50	\$50.00	\$2,500.00
630.15	FLAGGERS	HR	800	\$35.00	\$28,000.00
632.10	CPM SCHEDULE	EACH	2	\$500.00	\$1,000.00
635.11	MOBILIZATION/DEMOLITION	LS	1	\$50,000.00	\$50,000.00
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE	LS	1	\$25,000.00	\$25,000.00
648.201	4 INCH WHITE LINE, WATERBORNE PAINT	LF	1450	\$1.00	\$1,450.00
648.211	4 INCH WHITE YELLOW, WATERBORNE PAINT	LF	1450	\$1.00	\$1,450.00
648.241	24 INCH STOP BAR, WATERBORNE PAINT	LF	20	\$5.00	\$100.00

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
648.311	CROSSWALK MARKING, WATERBORNE PAINT	LF	90	\$6.00	\$540.00
651.15	SEED	LB	40	\$15.00	\$600.00
651.18	FERTILIZER	LB	80	\$5.00	\$400.00
651.20	AGRICULTURAL LIMESTONE	TON	0.4	\$600.00	\$240.00
651.35	TOPSOIL	CY	90	\$45.00	\$4,050.00
652.10	EPSC PLAN	LS	1	\$2,000.00	\$2,000.00
652.20	MONITORING EPSC PLAN	HR	40	\$80.00	\$3,200.00
652.30	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	LU	1	\$2,000.00	\$2,000.00
653.10	HAY MULCH	TON	0.4	\$600.00	\$240.00
659.50	TRANSPLANTING SHRUBS	EACH	10	\$100.00	\$1,000.00
656.65	LANDSCAPE WATERING	MGAL	1	\$100.00	\$100.00
658.80	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	CY	10	\$100.00	\$1,000.00
659.85	TREE PROTECTION	LS	1	\$2,000.00	\$2,000.00
672.20	TRAFFIC SIGN, TYPE A	SF	20	\$20.00	\$400.00
675.541	SQUARE-TUBE SIGN POSTS AND ANCHOR	LF	30	\$15.00	\$450.00
676.80	REMOVING SIGNS	EACH	1	\$15.00	\$15.00
675.80	RESETTING SIGNS	EACH	1	\$30.00	\$30.00
676.61	SETTING SALVAGED POSTS	EACH	1	\$175.00	\$175.00
690.50	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	LU	1	\$1.00	\$1.00
900.920	SPECIAL PROVISION (CURING CONCRETE)	EACH	2	\$800.00	\$1,600.00
900.640	SPECIAL PROVISION (REMOVE AND RESET WALL)	LF	90	\$55.00	\$4,950.00
900.590	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)	TON	80	\$225.00	\$18,000.00

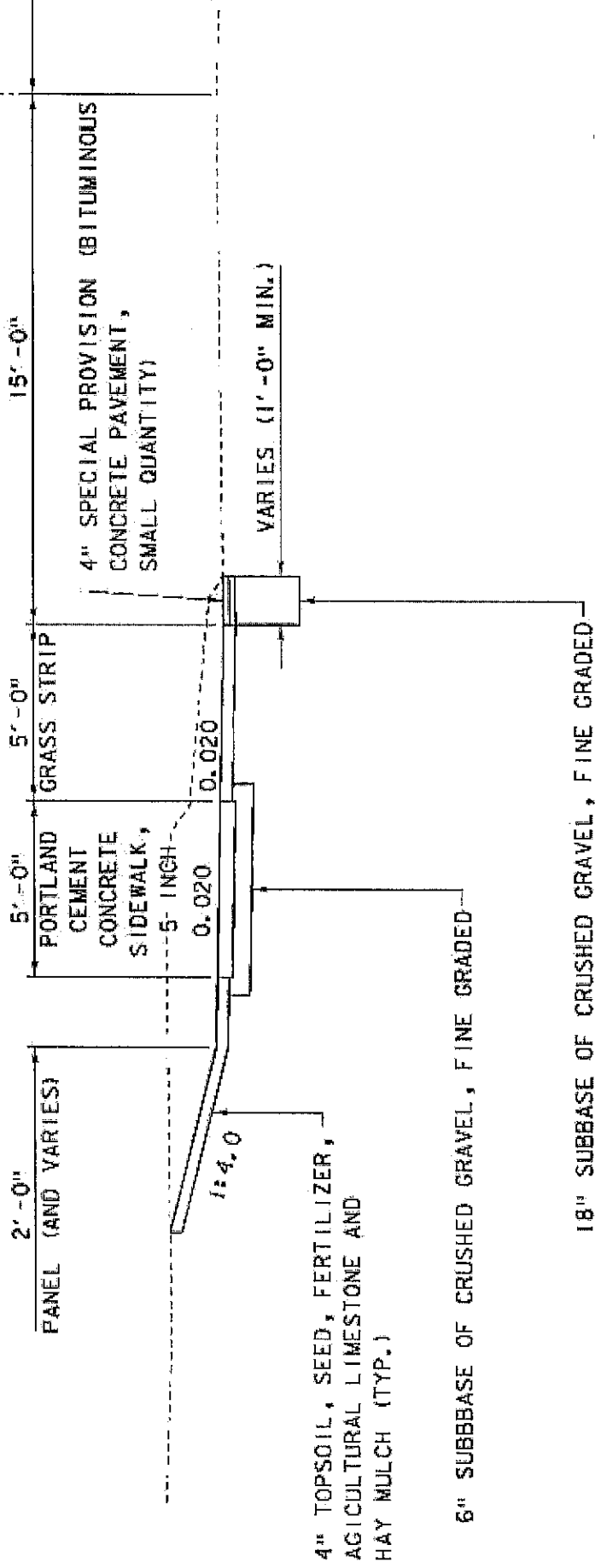
SUBTOTAL					\$572,000.00
20% +/- Contingency					\$114,400.00
ESTIMATE TOTAL					\$686,400.00

In providing estimates of materials construction cost, the Client understands that D&K is not responsible for the cost availability of labor, equipment, materials or other items. The Contractor shall verify and bear the risk of the availability of labor, equipment, materials and other items. The Contractor shall provide a detailed breakdown of the estimate, including a list of materials, quantities, and unit prices. The Contractor shall provide a detailed breakdown of the estimate, including a list of materials, quantities, and unit prices. The Contractor shall provide a detailed breakdown of the estimate, including a list of materials, quantities, and unit prices.

Alt. 3 - S.W. w/ 5'-0" green strip

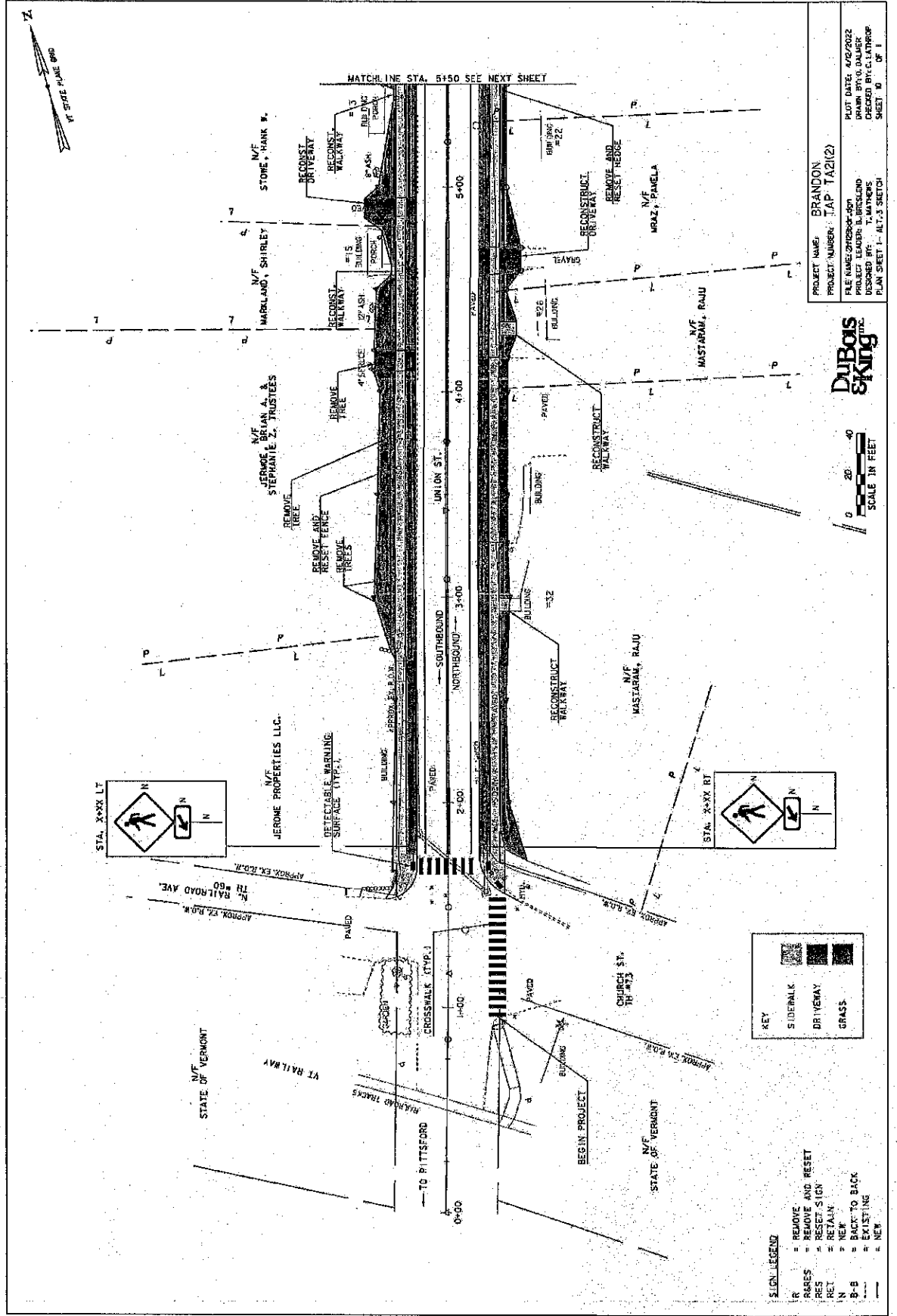
Brandon, VT
TAP TA21(2)
Alternatives Presentation

CONSTRUCTION

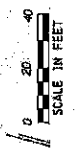


Alt. 3 - S.W. w/ 5'-0" green strip

Brandon, VT
TAP TA21(2)
Alternatives Presentation



PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TA21(2)
PLOT DATE: 4/2/2022
DRAWN BY: DALMER
CHECKED BY: D. L. THORP
SHEET # OF 1



KEY

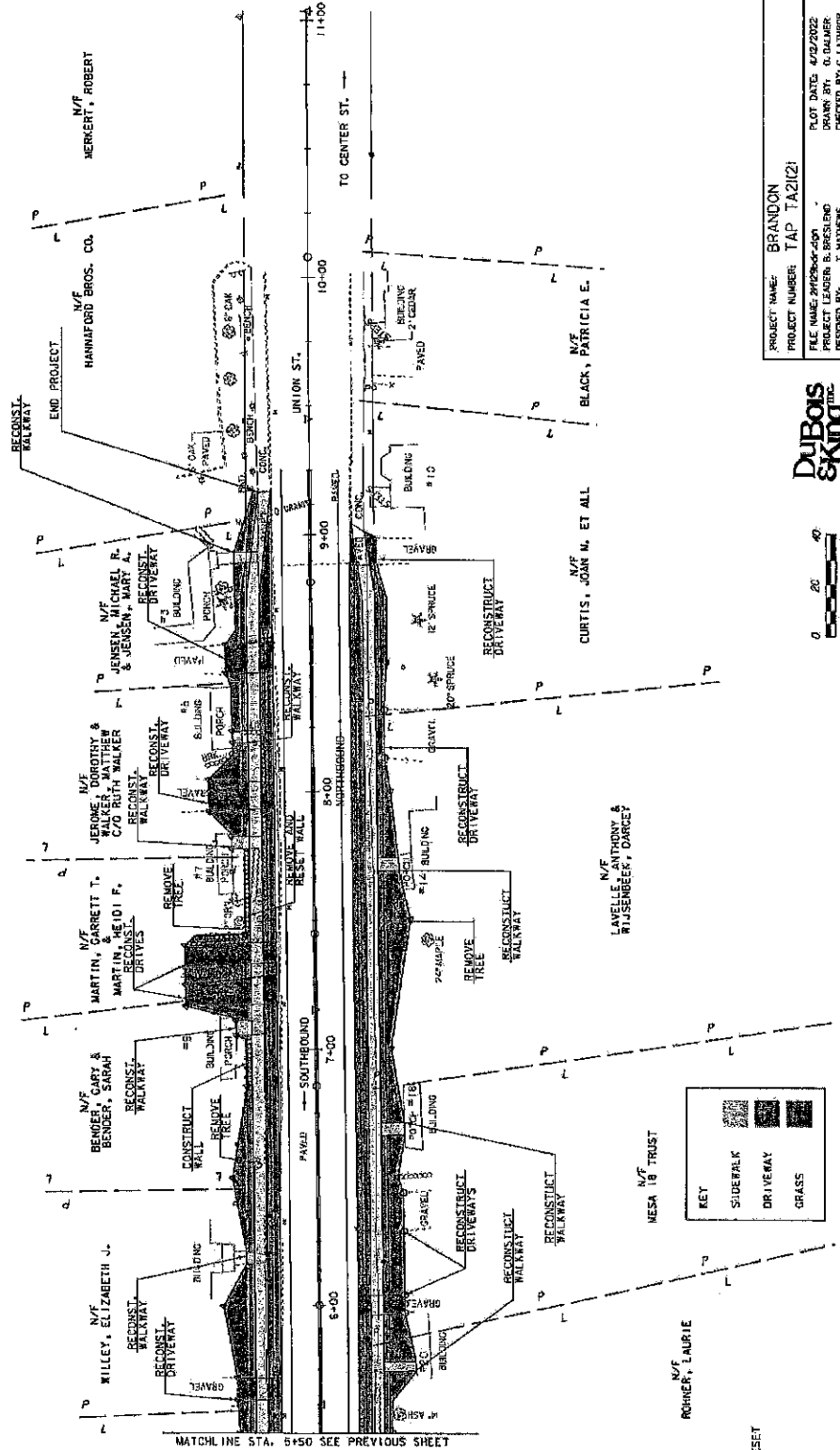
[Symbol]	SIDWALK
[Symbol]	DRIVEWAY
[Symbol]	GRASS

SYMBOL LEGEND

[Symbol]	REMOVE AND RESET
[Symbol]	REMOVE AND RESET SIGN
[Symbol]	RETAI
[Symbol]	NEW
[Symbol]	BACK TO BACK
[Symbol]	EXISTING
[Symbol]	NEW

Alt. 3 - S.W. w/ 5'-0" green strip

Brandon, VT
TAP TA21(2)
Alternatives Presentation



SLIGN LEGEND

- R = REMOVE
- RARS = REMOVE AND RESET
- RES = RESET SIGN
- RET = RETAIN
- N = NEW
- B-B = BACK TO BACK
- - - = EXISTING
- = NEW

KEY

- [Pattern] SIDEWALK
- [Pattern] DRIVEWAY
- [Pattern] GRASS

PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TA21(2)
FILE NAME: 2/12/2004-551
PROJECT LEADER: B. BRESLING
DRAWN BY: G. DALMER
CHECKED BY: C. LAHRUP
SHEET 8 OF 8
PLAN SHEET 2 - ALT. 3 SKETCH



Alt. 3 - S.W. w/ 5'-0" green strip

Brandon, VT
TAP TA21(2)

Alternatives Presentation

DuBois & King Inc.
Engineering • Planning • Development • Management

JOB: Brandon, VT Union Street Sidewalk Reconstruction Project
SHEET NO. OF
CALCULATED BY: BMB DATE: 04/09/22
CHECKED BY: CDL DATE: 04/09/22
SCALE:

DuBois & King Inc.
Engineering • Planning • Development • Management

JOB: Brandon, VT Union Street Sidewalk Reconstruction Project
SHEET NO. OF
CALCULATED BY: BMB DATE: 04/09/22
CHECKED BY: CDL DATE: 04/09/22
SCALE:

CONSTRUCTION COST ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
201.0	CLEANING AND STRIPING, INCLUDING INDIVIDUAL TREES AND STUMPS	LS	1	\$5,000.00	\$5,000.00
202.0	COMMON EXCAVATION	CY	1000	\$16.00	\$16,000.00
203.0	SOLID ROCK EXCAVATION	CY	70	\$100.00	\$7,000.00
204.0	TRENCH EXCAVATION OF EARTH	CY	800	\$20.00	\$16,000.00
204.2	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	CY	1	\$75.00	\$75.00
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	800	\$30.00	\$24,000.00
204.6	SUBBASE OF CRUSHED GRANUL, FINE-GRADED	CY	200	\$40.00	\$8,000.00
204.65	EMULSIFIED ASPHALT	CVWT	15	\$100.00	\$1,500.00
601.28.16	18" CTEPS(S)	LF	1200	\$48.00	\$57,600.00
604.0	CONCRETE CATCH BASIN WITH CAST IRON GRATE	EA	6	\$4,000.00	\$24,000.00
604.4.2	REBAR, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	EA	4	\$1,500.00	\$6,000.00
616.21	VERTICAL GRANITE CURB	LF	60	\$90.00	\$5,400.00
616.41	REMOVAL OF EXISTING CURB (FOR SALVAGE)	LF	120	\$7.00	\$840.00
616.0	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SF	710	\$100.00	\$71,000.00
616.1	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SF	160	\$120.00	\$19,200.00
618.30	DETECTABLE WARNING SURFACE	SF	30	\$50.00	\$1,500.00
618.20	REMOVING AND RESETTING PROPERTY MARKERS	EACH	2	\$500.00	\$1,000.00
620.50	REMOVING AND RESETTING FENCE	LF	120	\$10.00	\$1,200.00
620.35	PVC SEWER PIPE	LF	60	\$75.00	\$4,500.00
620.20	ADJUST ELEVATION OF VALVE BOX	EACH	13	\$200.00	\$2,600.00
620.33	PLASTIC WATER PIPE, RIGID	LF	50	\$60.00	\$3,000.00
630.5	FLAGGERS	HR	600	\$25.00	\$15,000.00
630.0	CPM SCHEDULE	EACH	2	\$500.00	\$1,000.00
635.11	MOBILIZATION/DEMOBILIZATION	LS	1	\$60,000.00	\$60,000.00
641.1	TRAFFIC CONTROL, ALL-INCLUSIVE	LS	1	\$25,000.00	\$25,000.00
645.21	4 INCH WHITE LINE WATERBORNE PAINT	LF	1500	\$1.00	\$1,500.00
646.21.1	4 INCH WHITE/YELLOW WATERBORNE PAINT	LF	1500	\$1.00	\$1,500.00
646.21.1	24 INCH-810P 54% WATERBORNE PAINT	LF	20	\$30.00	\$600.00

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
646.311	CROSSWALK MARKING, WATERBORNE PAINT	LF	90	\$6.00	\$540.00
651.15	SEED	LB	80	\$15.00	\$1,200.00
651.18	FERTILIZER	LB	150	\$5.00	\$750.00
651.20	AGRICULTURAL LIMESTONE	TON	0.6	\$800.00	\$480.00
651.35	TOPSOIL	CY	160	\$45.00	\$7,200.00
652.10	EPSC PLAN	LS	1	\$2,000.00	\$2,000.00
652.20	MONITORING EPSC PLAN	HR	40	\$60.00	\$2,400.00
652.30	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	UV	1	\$2,000.00	\$2,000.00
653.10	MAY MULCH	TON	0.6	\$800.00	\$480.00
653.50	TRANSPLANTING SHRUBS	EACH	10	\$100.00	\$1,000.00
656.65	LANDSCAPE WATERING	AREA	1	\$100.00	\$100.00
656.80	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	CY	10	\$100.00	\$1,000.00
656.85	TREE PROTECTION	LS	1	\$2,000.00	\$2,000.00
672.20	TRAFFIC SIGN, TYPE A	SF	20	\$20.00	\$400.00
675.341	SQUARE TUBE SIGN POSTS AND ANCHOR	LF	30	\$15.00	\$450.00
675.50	REMOVING SIGNS	EACH	1	\$15.00	\$15.00
675.60	RESETTING SIGNS	EACH	1	\$30.00	\$30.00
675.61	SETTING SALVAGED POSTS	EACH	1	\$75.00	\$75.00
682.50	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	UV	1	\$1.00	\$1.00
900.620	SPECIAL PROVISION (CORING CONCRETE)	EACH	2	\$900.00	\$1,800.00
900.620	SPECIAL PROVISION (RECONSTRUCT VALVE STEPS)	EACH	12	\$1,000.00	\$12,000.00
900.640	SPECIAL PROVISION (REMOVE AND RESET WALL)	LF	90	\$110.00	\$9,900.00
900.680	SPECIAL PROVISION (RETURN TO ORIGINAL CONCRETE PAVEMENT, SMALL QUANTITY)	TON	90	\$225.00	\$20,250.00
SUBTOTAL					\$553,000.00
20% +/- Contingency					\$110,600.00
ESTIMATE TOTAL					\$663,600.00

Notes:
1. In providing estimates of probable construction cost, the Client understands that the Contractor's method of pricing, and the Client's method of estimating, are based on the best information available at the time of preparation of this estimate. The Contractor's estimate is based on the information provided by the Client and is not a guarantee of cost. The Contractor's estimate is based on the information provided by the Client and is not a guarantee of cost. The Contractor's estimate is based on the information provided by the Client and is not a guarantee of cost.

Alternatives Comparison

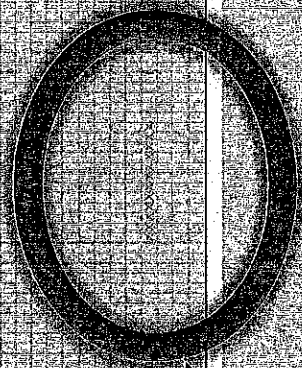
	Alternative 1 No build	Alternative 2 Curbed Sidewalk	Alternative 3 Sidewalk w/5'-0" green strip
Meets Purpose and Need?	No	Yes	Yes
Resource impacts?	None	Moderate	Most
Utility Impacts?	None	None	None
Private Property Impacts?	Yes	Moderate	Most
ROW impacts?	None	Moderate	Most
Meets grant requirements?	No	Yes	Yes
Const. Schedule	N/A	2024 (est.)	2024 (est.)
Const. Cost	\$0	\$572,000	\$553,000
Opinion			

Schedule

Brandon, VT
TAP TA21(2)
Alternatives Presentation

627578 Brandon TAP TA21(2) Union St. Sidewalk Reconstruction - Schedule

Task	Start	End	Notes
Task 1: Project Kickoff			
Task 2: Ground Survey and Base Mapping			
Right-of-Way and Drive Information (not scope)			
Utility Location			
Ground Survey and Base Plan			
Task 3: Level Concrete meeting			
Task 4: Purpose and Need statement			
Task 5: Alternatives Analysis			
Alternatives Search Plans			
Quantities			
Cost Option			
Presentation of Alternatives			
Task 6: Conceptual Plans			
Conceptual Plans			
Quantities			
Cost Option			
Task 7: Market and Cultural Research Contracts and OE Documentation			
Market Research (14 months)			
Historical and Archeological Process Certification			
Other Permitting and Investigations			
Categorical Exclusion document			
Task 8: Preliminary Plans			
Preliminary Plans			
Quality Control (QC) & Constructability Review			
Quantities			
Cost Option			
Task 9: Utility Relocations (not scope)			
Task 10: Permitting (not scope)			
Task 11: Right-of-Way plans			
Draft Right-of-Way plans			
Draft Easement Agreements and Waiver/Resolutions (form)			
Right-of-Way construction			
Right-of-Way construction			
Final Right-of-Way plans			
Final Plans			
Special Permits			
Quantities			
Cost Option			
Task 12: Contract Plans			
Contract Plans			
Construction Bid Package			
Task 13: Construction Phase Assistance (not scope)			
Task 14: Bid Phase Services			
Task 15: Construction Phase Assistance (not scope)			



CONSTRUCTION:
JUNE-AUGUST
2024

Next Steps

- **At the conclusion of this meeting or shortly afterwards, the Town needs to make a decision on the preferred alternative to move the project forward.**

Brandon, VT
TAP TA21(2)
Alternatives Presentation

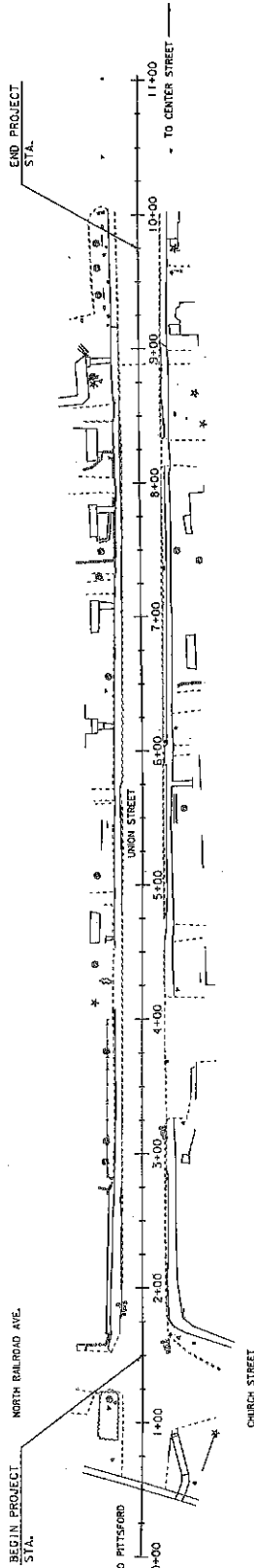
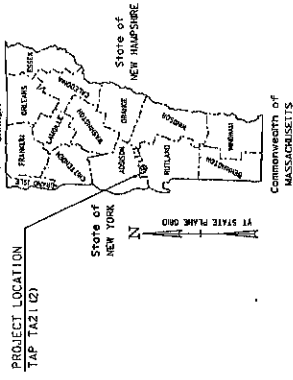
Questions

PROPOSED IMPROVEMENT TOWN OF BRANDON COUNTY OF RUTLAND UNION STREET (LOCAL ROAD)

PROJECT LOCATION: BEGINNING ON UNION STREET AT THE INTERSECTION OF CHURCH STREET AND NORTH RAILROAD AVENUE AND PROGRESSING NORTH TO APPROXIMATELY 230' SOUTH OF THE INTERSECTION OF UNION STREET AND US ROUTE 7.

PROJECT DESCRIPTION: THIS PROJECT SHALL INCLUDE THE CONSTRUCTION OF CONCRETE SIDEWALK, GRANITE CURB, DRAINAGE, AND PAVEMENT MARKINGS.

IN-PROGRESS CONCEPTUAL PLANS
4/12/2022



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION, AS ADOPTED BY THE VERMONT FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018. FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 3
SURVEYED BY : DUBOIS & KING, INC.
SURVEYED DATE : JANUARY 2022
DATUM VERTICAL : NAVD 88 HORIZONTAL : NAD 83 (2011)



SCALE 1" = 40'-0"
40 0 40

TOWN OF BRANDON	DATE
APPROVED	
PROJECT MANAGER : BRIAN BRISLENDI, P.E.	
PROJECT NAME : BRANDON	
PROJECT NUMBER : TAP 142429	
SHEET 1 OF 11 SHEETS	

GENERAL INFORMATION

SYMBOLS LEGEND NOTE
 THE SYMBOLS ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLS. THE SYMBOLS IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVY LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLS ON PLANS MAY VARY FROM ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT CODE	DESCRIPTION	BOUND APPEARANT LOCATION
B	BENCH MARK	BOUND APPEARANT LOCATION
BN	BENCH MARK	BOUND APPEARANT LOCATION
CB	CATCH BASIN	BOUND APPEARANT LOCATION
CBM	COMBINATION POLE	BOUND APPEARANT LOCATION
DI	DITCH	BOUND APPEARANT LOCATION
EL	ELECTRIC POWER POLE	BOUND APPEARANT LOCATION
FP	FLAGPOLE	BOUND APPEARANT LOCATION
GF	GAS FILLER	BOUND APPEARANT LOCATION
GP	GUIDE POST	BOUND APPEARANT LOCATION
GS	GAS SHUT OFF	BOUND APPEARANT LOCATION
GW	GUY WIRE	BOUND APPEARANT LOCATION
GV	GATE VALVE	BOUND APPEARANT LOCATION
H	HOLE	BOUND APPEARANT LOCATION
HCTR	HORIZONTAL CONTROL	BOUND APPEARANT LOCATION
HVCTR	HORIZONTAL & VERTICAL CONTROL	BOUND APPEARANT LOCATION
HYD	HYDRANT	BOUND APPEARANT LOCATION
IP	IRON PIPE	BOUND APPEARANT LOCATION
LI	LIGHT - STREET OR YARD	BOUND APPEARANT LOCATION
MB	MAILBOX	BOUND APPEARANT LOCATION
MM	MANHOLE	BOUND APPEARANT LOCATION
MM	MILE MARKER	BOUND APPEARANT LOCATION
PM	PARKING METER	BOUND APPEARANT LOCATION
PMK	PROJECT MARKER	BOUND APPEARANT LOCATION
POST	POST STONE/WOOD	BOUND APPEARANT LOCATION
RSIC	RAILROAD SIGNAL	BOUND APPEARANT LOCATION
RSIC	RAILROAD SWITCH LEVER	BOUND APPEARANT LOCATION
S	FREE SOFT WOOD	BOUND APPEARANT LOCATION
SAT	SATELLITE DISH	BOUND APPEARANT LOCATION
SC	SIGN	BOUND APPEARANT LOCATION
SCB	SIGN	BOUND APPEARANT LOCATION
ST	STUMP	BOUND APPEARANT LOCATION
TEL	TELEPHONE POLE	BOUND APPEARANT LOCATION
TE	TIE	BOUND APPEARANT LOCATION
TS	TSIGN	BOUND APPEARANT LOCATION
VC	CONTROL VERTICAL	BOUND APPEARANT LOCATION
W	WELL	BOUND APPEARANT LOCATION
WSD	WATER SHUT OFF	BOUND APPEARANT LOCATION

UTILITY SYMBOLS

UNDERGROUND UTILITIES

UG	UTILITY (GENERIC-UNKNOWN)
UT	TELEPHONE
EC	ELECTRIC
EC	CABLE (TV)
EC	ELECTRIC+CABLE
UT	ELECTRIC+TELEPHONE
EC	CABLE+TELEPHONE
EC	ELECTRIC+CABLE+TELEPHONE
W	WATER LINE
S	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

AG	UTILITY (GENERIC-UNKNOWN)
T	TELEPHONE
E	ELECTRIC
C	CABLE (TV)
EC	ELECTRIC+CABLE
ET	ELECTRIC+TELEPHONE
EC	CABLE+TELEPHONE
EC	ELECTRIC+CABLE+TELEPHONE
U	UTILITY POLE GUY WIRE

EPSC LAYOUT PLAN SYMBOLS

EPSC MEASURES

FC	FILTER CURTAIN
FF	SILT FENCE
FW	WOVEN WIRE FENCE
CD	CHECK DAM
DA	DISTURBED AREAS
RE	RE-VEGETATION
MT	MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLS

ENVIRONMENTAL RESOURCES

WB	WETLAND BOUNDARY
RB	RIPARIAN BUFFER ZONE
SB	SOIL TYPE BOUNDARY
TE	THREATENED & ENDANGERED SPECIES
HA	HAZARDOUS WASTE AREA
AL	AGRICULTURAL LAND
HL	FISH & WILDLIFE HABITAT
FL	FLOOD PLAIN
FW	ORDINARY HIGH WATER (OHW)
ST	STORM WATER
US	USDA FOREST SERVICE LANDS
WH	WILDLIFE HABITAT SUIT/CONN

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT CODE	DESCRIPTION
BF	BARRIER FENCE
CH	CHANNEL EASEMENT
CON	CONSTRUCTION EASEMENT
CUL	CULVERT EASEMENT
D&C	DISCONNECT & CONNECT
DIT	DITCH EASEMENT
DR	DRAINAGE EASEMENT
DRIVE	DRIVEWAY EASEMENT
EC	EROSION CONTROL
HWY	HIGHWAY EASEMENT
I&M	INSTALL & MAINTAIN EASEMENT
LAND	LANDSCAPE EASEMENT
PDF	PROJECT DEMARCATION FENCE
R&RES	REMOVE & RESET
R&R	REMOVE & REPLACE
R.T.&L	RIGHT, TITLE AND INTEREST
SR	SLOPE RIGHT
UE	UTILITY EASEMENT
TEMP	TEMPERAMENT EASEMENT
TEMP	TEMPORARY EASEMENT
BOUND	BOUND SET
BOUND	BOUND TO BE SET
IRON	IRON PIN FOUND
IRON	IRON PIN TO BE SET
EXIST	EXISTING ROW POINT
PRO	PROPOSED ROW POINT
[LENGTH]	LENGTH CARRIED ON NEXT SHEET

PROJECT CONSTRUCTION SYMBOLS

PROJECT DESIGN & LAYOUT SYMBOLS

CL	CLEAR ZONE
PL	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

TOP	TOP OF CUT SLOPE
FOOT	FOOT OF CUT SLOPE
STONE	STONE FILL
PROP	PROJECT PROPOSED
STR	STRUCTURE SUBSURFACE
PF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
STRIP	STRIP PROTECTION ZONE (TPZ)
STRIP	STRIPING LINE REMOVAL
STRIP	SHEET PILES

ARCHAEOLOGICAL & HISTORIC

AR	ARCHAEOLOGICAL BOUNDARY
HD	HISTORIC DISTRICT BOUNDARY
HA	HISTORIC AREA
HS	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLS

EXISTING FEATURES

RA	ROAD EDGE PAVEMENT
RG	ROAD EDGE GRAVEL
RE	DRIVEWAY EDGE
D	DITCH
F	FENCE (EXISTING)
FW	FENCE WOOD POST
FS	FENCE STEEL POST
G	GARDEN
RQ	ROAD QUADRANT
RT	RAILROAD TRACKS
CU	CULVERT (EXISTING)
SW	STONE WALL
W	WALL
WL	WOOD LINE
BR	BRUSH LINE
H	HEDGE
W	BODY OF WATER EDGE
L	LEDGE EXPOSED

BOUNDARY LINES

T	TOWN BOUNDARY LINE
C	COUNTY BOUNDARY LINE
PRO	PROPOSED ROW (LIMITED ACCESS)
STATE	STATE ROW (LIMITED ACCESS)
T	TOWN ROW
PER	PERMANENT EASEMENT LINE (P)
TEMP	TEMPORARY EASEMENT LINE (T)
SUR	SURVEY LINE
P	PROPERTY LINE (P/L)
SR	SLOPE RIGHTS
PR	PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BA	BACK STATION SUFFIX
D	CURVE RADIUS OF (000FT)
R	CURVE RADIUS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE
CB	CHORD BEARING

PROJECT INFORMATION

PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA21(2)
 FILE NAME: 2122022.dwg
 PROJECT LEADER: E. BRESEND
 DESIGNED BY: YFRANS
 CHECKED BY: YFRANS
 CONVENTIONAL SYMBOLS LEGEND SHEET
 SHEET 2 OF 4
 PLOT DATE: 4/7/2022
 DRAWN BY: YFRANS



CONSTRUCTION

EXISTING GRADE

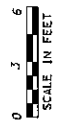
edge of pavement

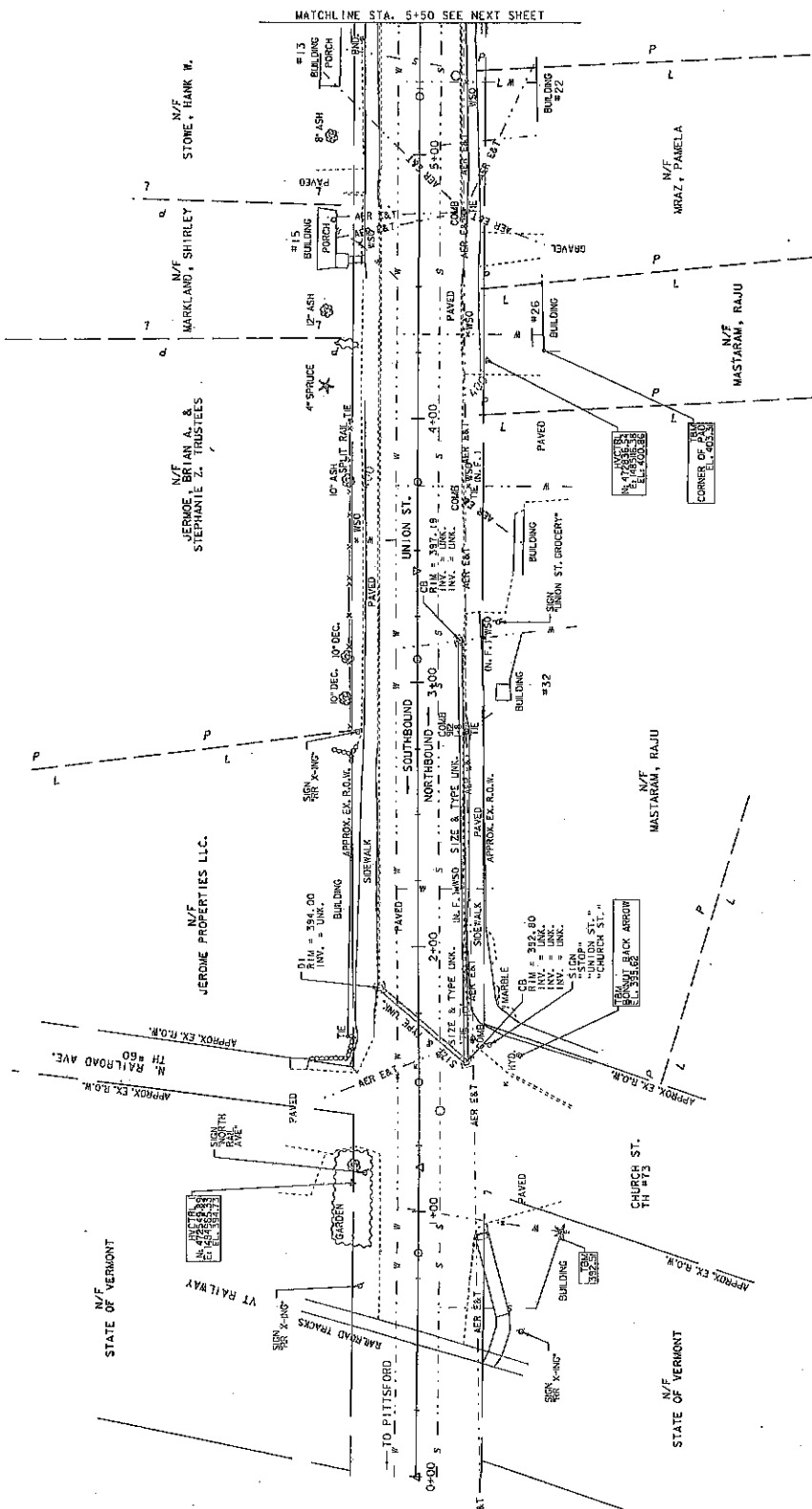
edge of pavement

ALTERNATIVE 1 TYPICAL SECTION
NO. BUILD
STA. X+XX - STA. X+XX

PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TAZ(2)

FILE NAME: 3/22/22/22/22/22
PROJECT LEADER: B. BREWER
DRAWN BY: J. DUNN
CHECKED BY: J. DUNN
TYPICAL SECTION SHEET: ALTERNATIVE 1
SHEET 3 OF 4





MATCH LINE STA. 5+50 SEE NEXT SHEET

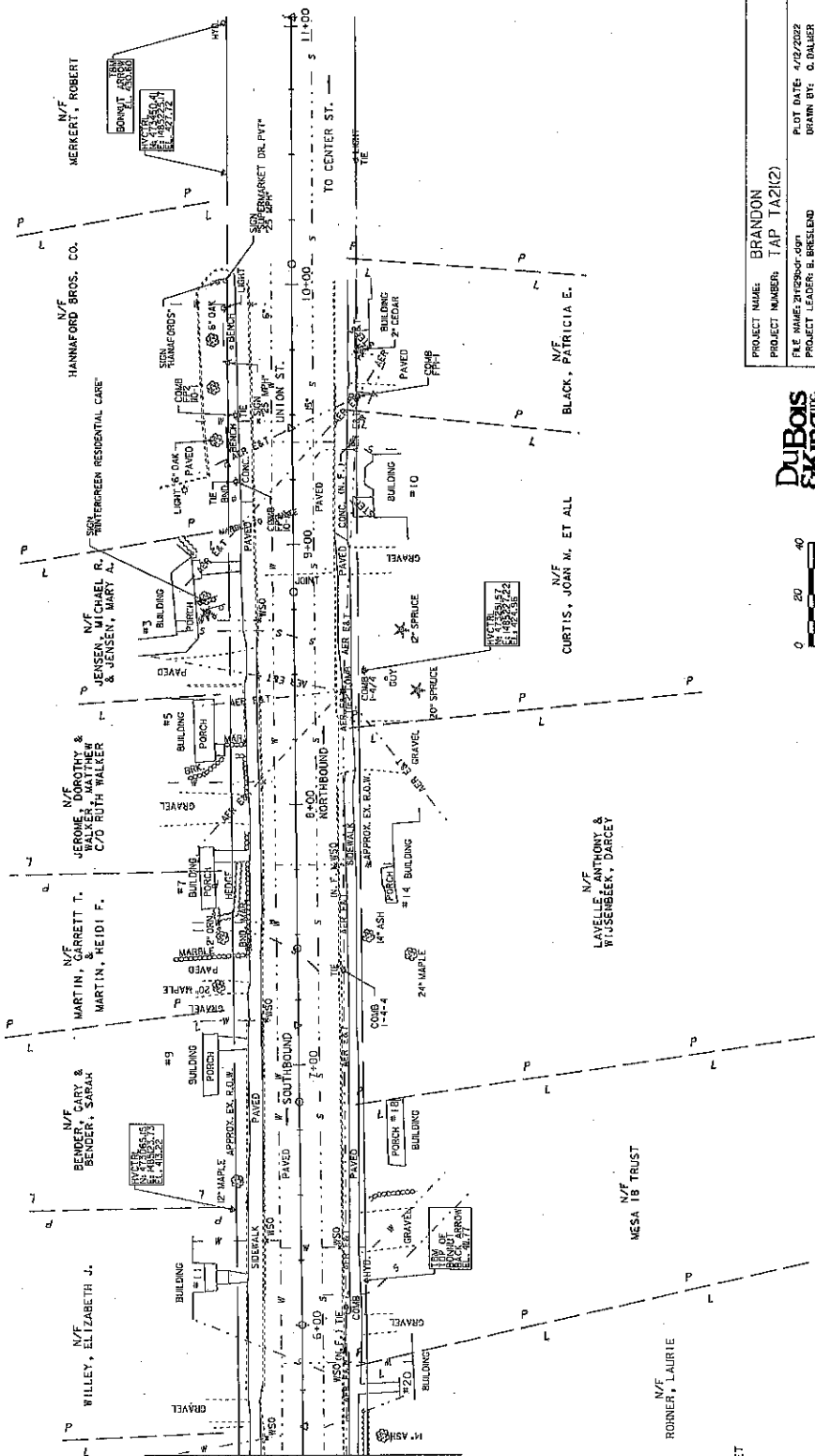
PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA2(2)
 FILE NAME: 21022002.dgn
 PROJECT LEADER: B. BREKLEND
 DESIGNED BY: T. MATHEWS
 PLAN SHEET 17 - UTILITIES
 PLOT DATE: 4/2/2002
 DRAWN BY: D. DALMER
 CHECKED BY: C. LATHROP
 SHEET 4 OF 11



0 20 40
 SCALE IN FEET

SIGN LEGEND

- R = REMOVE AND RESET
- R&RES = REMOVE AND RESET
- RES = RESET SIGN
- RET = RETAIN
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- - - = NEW



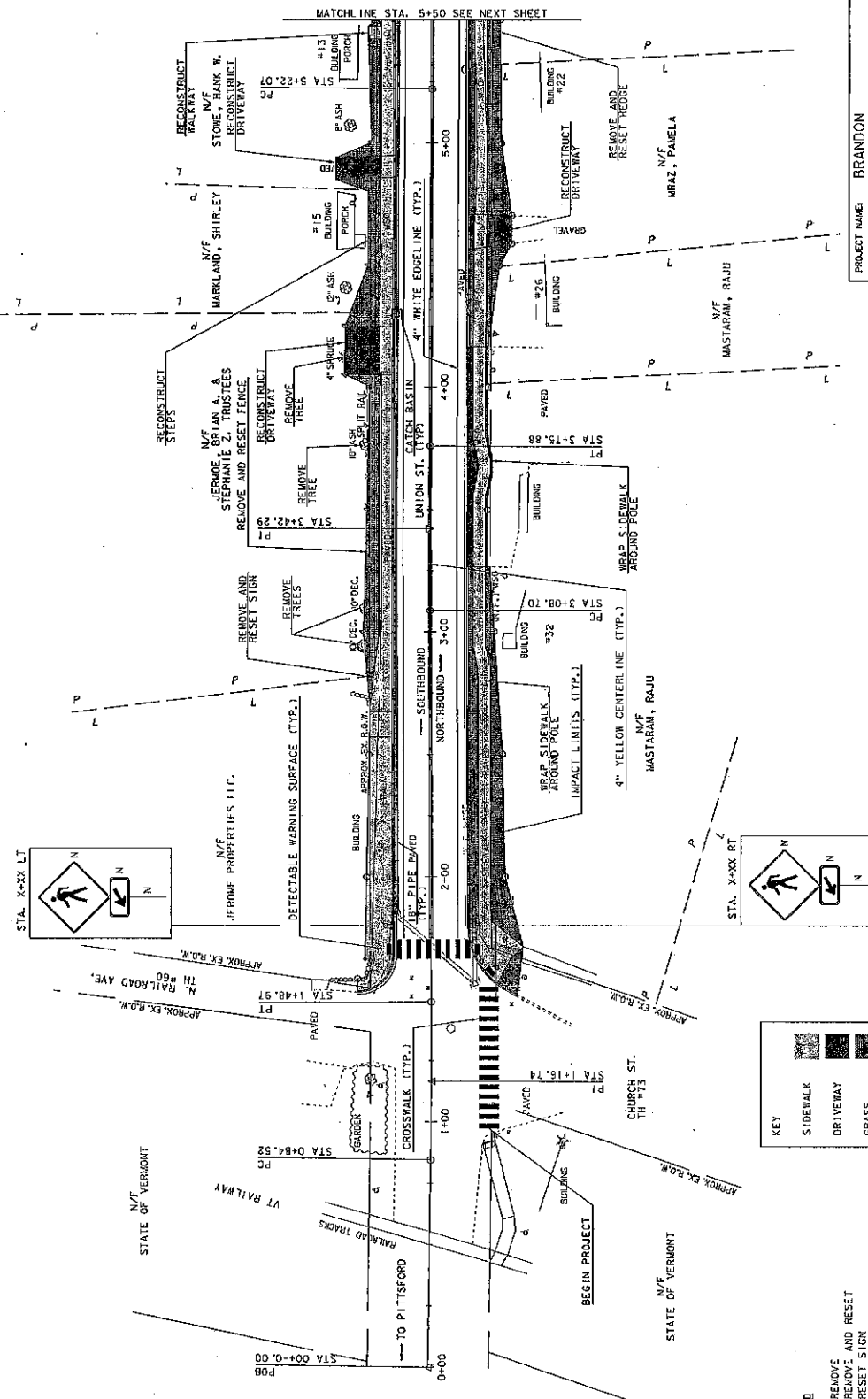
MATCHLINE STA. 5+50 SEE PREVIOUS SHEET

SIGN LEGEND

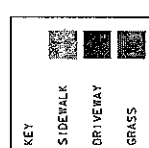
- R = REMOVE
- R&RES = REMOVE AND RESET
- RES = RESET SIGN
- RET = RETAIN
- N = NEW
- B-B = BACK TO BACK
- - - = EXISTING
- = NEW



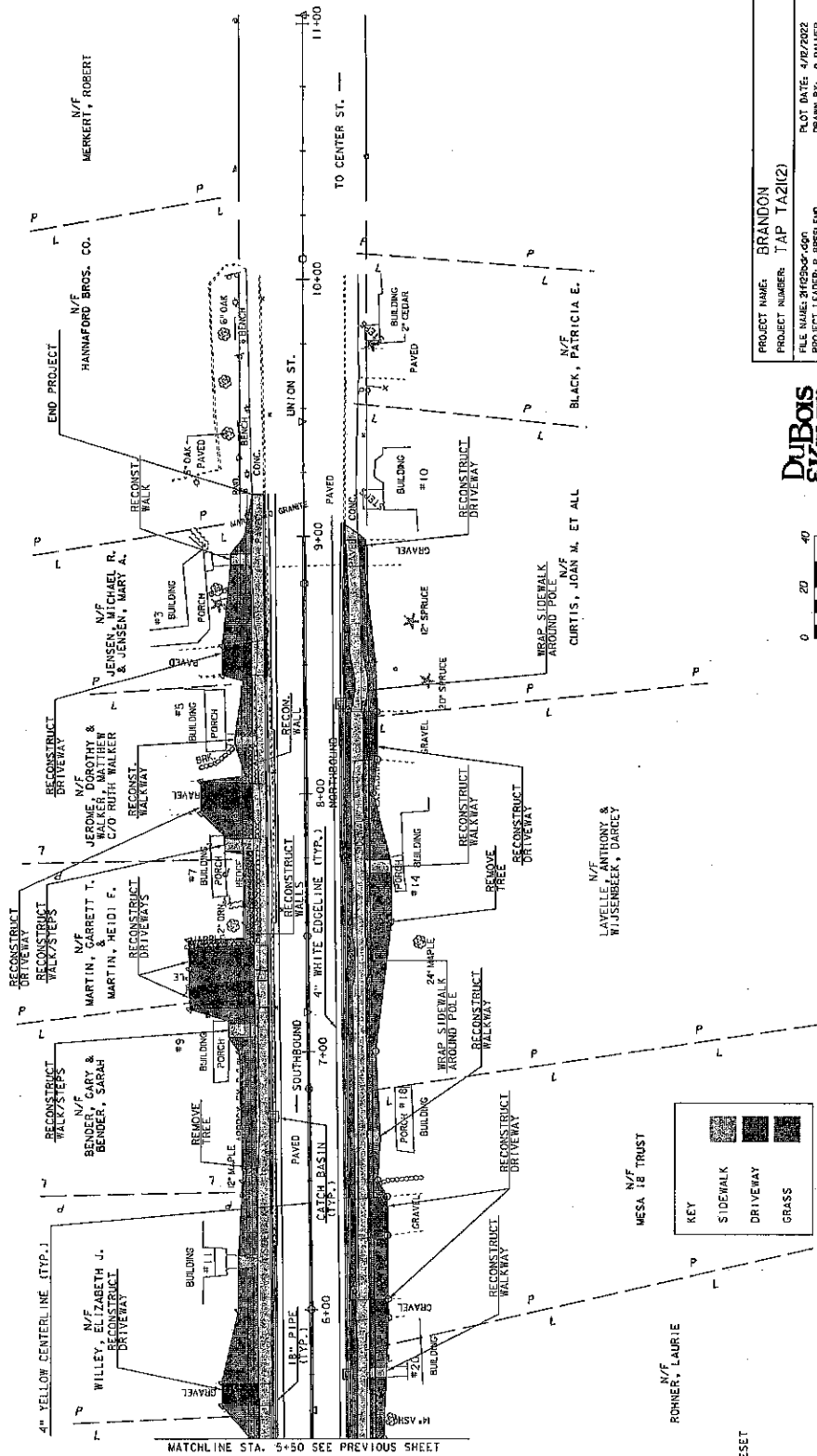
PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TAZ(2)
 FILE NAME: 21022001.dgn
 PROJECT LEADER: B. BREKEND
 DRAFTER: C. DALGER
 CHECKER: J. HANCOCK
 PLAN SHEET 2 - ALT. 1 (SECTION)



PROJECT NAME: BRANDON TAP TAZ(2)
 PROJECT NUMBER: TAP TAZ(2)
 FILE NAME: 210230.dgn
 PROJECT LEADER: B. BRESLEND
 DESIGNED BY: T. MATHEWS
 CHECKED BY: C. LATHROP
 PLOT DATE: 4/2/2022
 DRAWN BY: D. DALUER
 SHEET 1 OF 2



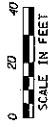
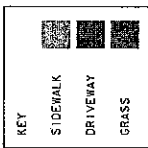
- SIGN LEGEND**
- R = REMOVE
 - RS = REMOVE AND RESET
 - RES = RESET SIGN
 - RET = RETAIN
 - N = NEW
 - B-B = BACK TO BACK
 - = EXISTING
 - - - = NEW



MATCHLINE STA. 5+50 SEE PREVIOUS SHEET

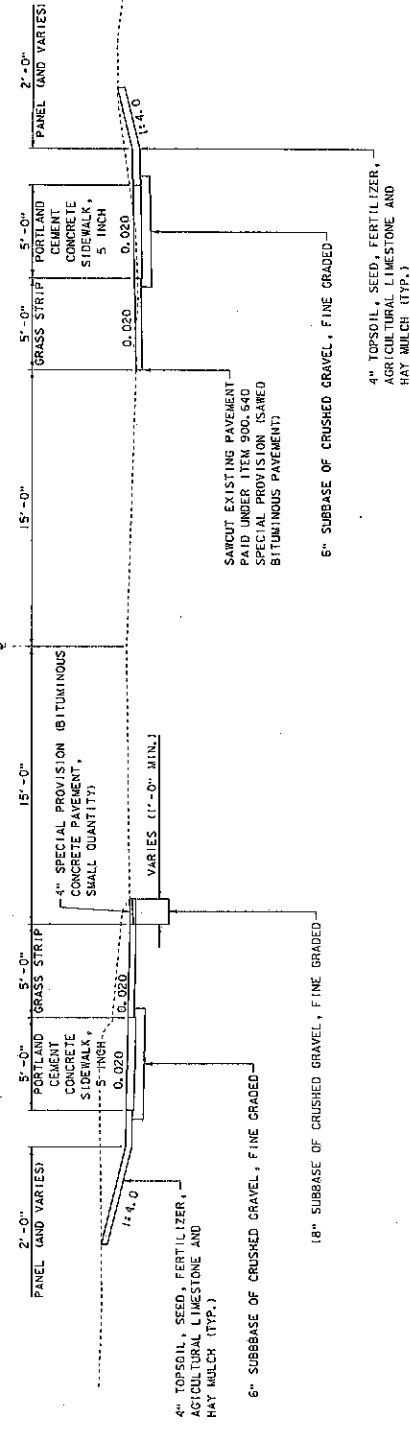
SIGN LEGEND

- R = REMOVE
- R&RES = REMOVE AND RESET
- RES = RESET SIGN
- RET = RETAIN
- N = NEW
- B-B = BACK TO BACK
- - - = EXISTING
- - - = NEW



PROJECT NAME: BRANDON
PROJECT NUMBER: TAP TAZI(2)
FILE NAME: 2142300-001
PLOT DATE: 4/2/2022
PROJECT LEADER: B. BRELENG
DRAWN BY: C. DALMER
DESIGNED BY: T. MATHEWS
CHECKED BY: C. LATROP
SHEET 8 OF 11

CONSTRUCTION



2'-0" PANEL (AND VARIES)
 4" TOPSOIL, SEED, FERTILIZER, AGRICULTURAL LIMESTONE AND HAY MULCH (TYP.)

5'-0" GRASS STRIP
 6" SUBBASE OF CRUSHED GRAVEL, FINE GRADED

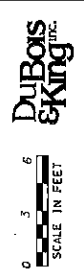
15'-0"
 4" SPECIAL PROVISION BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY

5'-0" GRASS STRIP
 6" SUBBASE OF CRUSHED GRAVEL, FINE GRADED

5'-0" GRASS STRIP
 6" SUBBASE OF CRUSHED GRAVEL, FINE GRADED

5'-0" GRASS STRIP
 6" SUBBASE OF CRUSHED GRAVEL, FINE GRADED

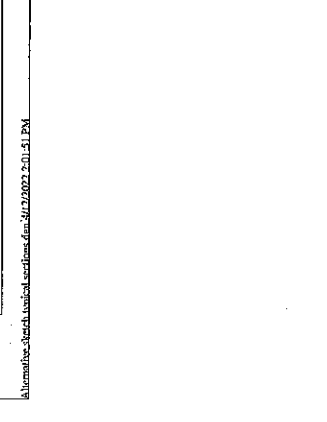
2'-0" PANEL (AND VARIES)
 4" TOPSOIL, SEED, FERTILIZER, AGRICULTURAL LIMESTONE AND HAY MULCH (TYP.)

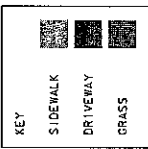
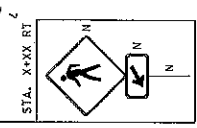
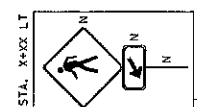
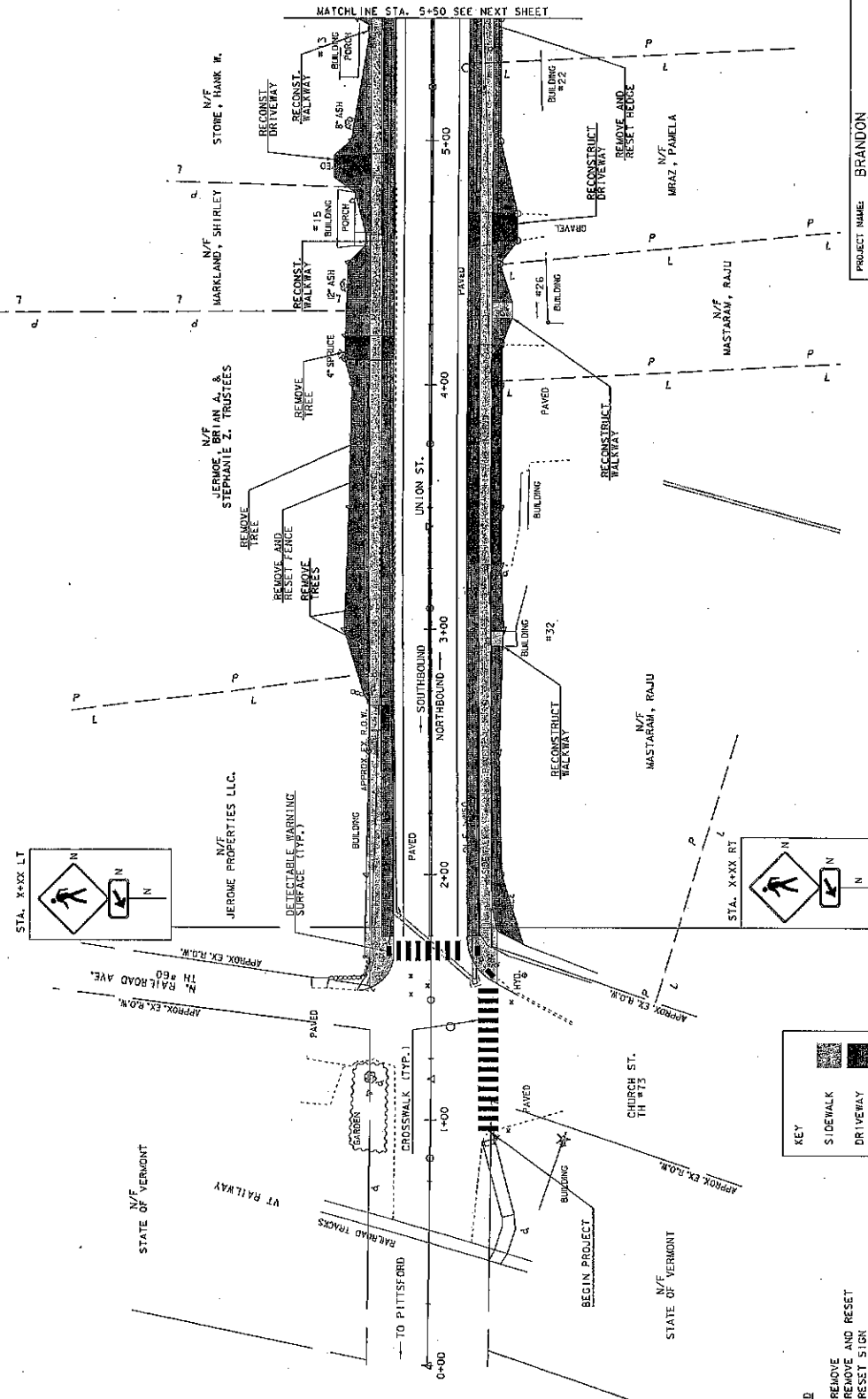


PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA2(2)

FILE NAME: 2142817p.dgn
 PROJECT LEADER: B. BRESLEND
 DESIGNED BY: T. MATHEWS
 TYPICAL SECTION SHEET - ALTERNATIVE 3 - SHEET 9 OF 11

PLOT DATE: 4/2/2022
 DRAWN BY: O. DALMER
 CHECKED BY: C. LATHROP

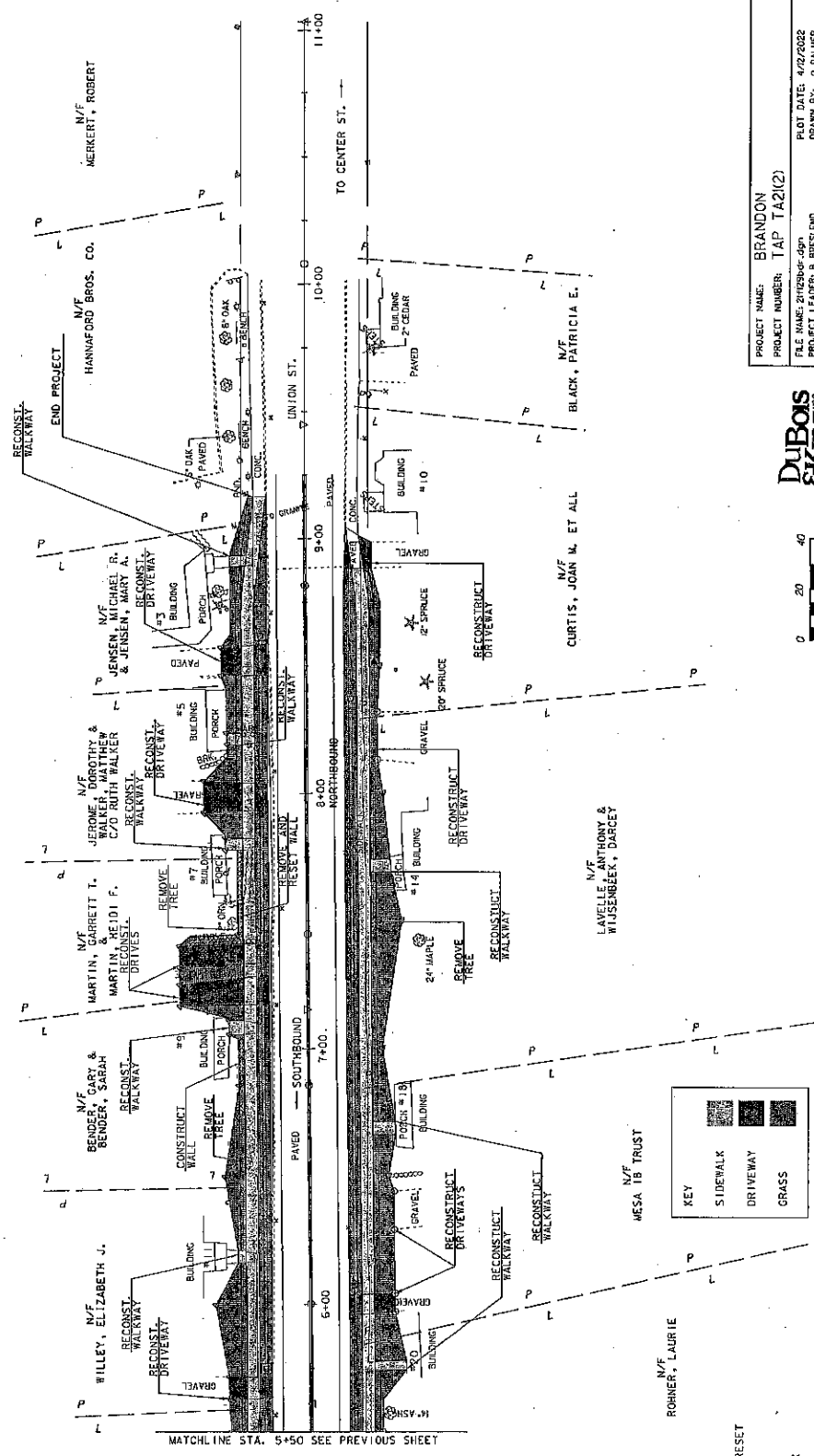
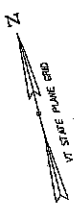




- SIGN LEGEND**
- R = REMOVE
 - R-RS = REMOVE AND RESET
 - RES = RESET SIGN
 - RET = RETAIN
 - N = NEW
 - B-B = BACK TO BACK
 - = EXISTING
 - - - = NEW



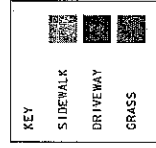
PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP TA2(2)
 FILE NAME: 2162506.dgn
 PROJECT LEADER: B. BREKLEND
 DESIGNED BY: T. MATHEWS
 CHECKED BY: C. LATROPP
 SHEET ID: 8



MATCHLINE STA. 5+50 SEE PREVIOUS SHEET

SLIGN LEGEND

- R = REMOVE
- RAPES = REMOVE AND RESET
- RES = RESET SIGN
- RET = RETAIN
- N = NEW
- B-B = BACK TO BACK
- - - = EXISTING
- = NEW



DUBOIS SKING INC.



PROJECT NAME: BRANDON
 PROJECT NUMBER: TAP T.A2(2)
 FILE NAME: 210286.dgn
 PROJECT LEADER: B. BRESLINO
 DESIGNED BY: T. MATHEWS
 CHECKED BY: C. LATHROP
 SHEET 2 OF 2



- Randolph, VT 05060 (802) 728-3376
- S. Burl., VT 05403 (802) 878-7661
- Bedford, NH 03110 (603) 637-1043
- Springfield, VT 05156 (802) 591-4328
- Laconia, NH 03246 (603) 524-1166

Engineering * Planning * Development * Management

JOB Brandon, VT Union Street Sidewalk Reconstruction project

SHEET NO. _____ OF _____

CALCULATED BY: BMB DATE: 04/06/22

CHECKED BY: CDL DATE: 04/08/22

SCALE: _____

CONSTRUCTION COST ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
201.10	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	LS	1	\$5,000.00	\$5,000.00
203.15	COMMON EXCAVATION	CY	1000	\$15.00	\$15,000.00
203.16	SOLID ROCK EXCAVATION	CY	50	\$100.00	\$5,000.00
204.20	TRENCH EXCAVATION OF EARTH	CY	690	\$25.00	\$17,250.00
204.22	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	CY	1	\$75.00	\$75.00
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	690	\$30.00	\$20,700.00
301.26	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	CY	540	\$40.00	\$21,600.00
404.65	EMULSIFIED ASPHALT	CWT	15	\$100.00	\$1,500.00
601.2615	18" CPEP(SL)	LF	1010	\$45.00	\$45,450.00
604.10	CONCRETE CATCH BASIN WITH CAST IRON GRATE	EA	4	\$4,000.00	\$16,000.00
604.412	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	EA	4	\$1,500.00	\$6,000.00
616.21	VERTICAL GRANITE CURB	LF	1430	\$50.00	\$71,500.00
616.41	REMOVAL OF EXISTING CURB (FOR SALVAGE)	LF	1230	\$7.00	\$8,610.00
618.10	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SY	710	\$90.00	\$63,900.00
618.11	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SY	150	\$110.00	\$16,500.00
618.30	DETECTABLE WARNING SURFACE	SF	30	\$50.00	\$1,500.00
619.20	REMOVING AND RESETTING PROPERTY MARKERS	EACH	2	\$500.00	\$1,000.00
620.50	REMOVING AND RESETTING FENCE	LF	120	\$10.00	\$1,200.00
628.35	PVC SEWER PIPE	LF	50	\$75.00	\$3,750.00
629.20	ADJUST ELEVATION OF VALVE BOX	EACH	13	\$200.00	\$2,600.00
629.33	PLASTIC WATER PIPE, RIGID	LF	50	\$60.00	\$3,000.00
630.15	FLAGGERS	HR	800	\$35.00	\$28,000.00
633.10	CPM SCHEDULE	EACH	2	\$500.00	\$1,000.00
635.11	MOBILIZATION/DEMOBILIZATION	LS	1	\$50,000.00	\$50,000.00
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE	LS	1	\$25,000.00	\$25,000.00
646.201	4 INCH WHITE LINE, WATERBORNE PAINT	LF	1480	\$1.00	\$1,480.00
646.2111	4 INCH WHITE YELLOW, WATERBORNE PAINT	LF	1490	\$1.00	\$1,490.00
646.241	24 INCH STOP BAR, WATERBORNE PAINT	LF	20	\$3.00	\$60.00



- Randolph, VT 05060 (802) 728-3376
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- Laconia, NH 03246 (603) 524-1186

Engineering * Planning * Development * Management

JOB Brandon, VT Union Street Sidewalk Reconstruction project

SHEET NO. _____ OF _____

CALCULATED BY: BMB DATE: 04/06/22

CHECKED BY: CDL DATE: 04/08/22

SCALE: _____

CONSTRUCTION COST ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	AMOUNT
201.10	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	LS	1	\$5,000.00	\$5,000.00
203.15	COMMON EXCAVATION	CY	1300	\$15.00	\$19,500.00
203.16	SOLID ROCK EXCAVATION	CY	70	\$100.00	\$7,000.00
204.20	TRENCH EXCAVATION OF EARTH	CY	830	\$25.00	\$20,750.00
204.22	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	CY	1	\$75.00	\$75.00
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	830	\$30.00	\$24,900.00
301.26	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	CY	290	\$40.00	\$11,600.00
404.65	EMULSIFIED ASPHALT	CWT	15	\$100.00	\$1,500.00
601.2615	18" CPEP(SL)	LF	1200	\$45.00	\$54,000.00
604.10	CONCRETE CATCH BASIN WITH CAST IRON GRATE	EA	6	\$4,000.00	\$24,000.00
604.412	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	EA	4	\$1,500.00	\$6,000.00
616.21	VERTICAL GRANITE CURB	LF	50	\$50.00	\$2,500.00
616.41	REMOVAL OF EXISTING CURB (FOR SALVAGE)	LF	1230	\$7.00	\$8,610.00
618.10	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SY	710	\$100.00	\$71,000.00
618.11	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SY	150	\$120.00	\$18,000.00
618.30	DETECTABLE WARNING SURFACE	SF	30	\$50.00	\$1,500.00
619.20	REMOVING AND RESETTING PROPERTY MARKERS	EACH	2	\$500.00	\$1,000.00
620.50	REMOVING AND RESETTING FENCE	LF	120	\$10.00	\$1,200.00
628.35	PVC SEWER PIPE	LF	50	\$75.00	\$3,750.00
629.20	ADJUST ELEVATION OF VALVE BOX	EACH	13	\$200.00	\$2,600.00
629.33	PLASTIC WATER PIPE, RIGID	LF	50	\$60.00	\$3,000.00
630.15	FLAGGERS	HR	800	\$35.00	\$28,000.00
633.10	CPM SCHEDULE	EACH	2	\$500.00	\$1,000.00
635.11	MOBILIZATION/DEMOBILIZATION	LS	1	\$50,000.00	\$50,000.00
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE	LS	1	\$25,000.00	\$25,000.00
646.201	4 INCH WHITE LINE, WATERBORNE PAINT	LF	1500	\$1.00	\$1,500.00
646.2111	4 INCH WHITE YELLOW, WATERBORNE PAINT	LF	1500	\$1.00	\$1,500.00
646.241	24 INCH STOP BAR, WATERBORNE PAINT	LF	20	\$3.00	\$60.00



- Randolph, VT 05060 (802) 728-3376
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Engineering * Planning * Development * Management

JOB Brandon, VT Union Street Sidewalk Reconstruction project

SHEET NO. _____ OF _____

CALCULATED BY: BMB DATE: 04/06/22

CHECKED BY: CDL DATE: 04/08/22

SCALE: _____

646.311	CROSSWALK MARKING, WATERBORNE PAINT	LF	90	\$6.00	\$540.00
651.15	SEED	LB	80	\$15.00	\$1,200.00
651.18	FERTILIZER	LB	150	\$5.00	\$750.00
651.20	AGRICULTURAL LIMESTONE	TON	0.6	\$800.00	\$480.00
651.35	TOPSOIL	CY	160	\$45.00	\$7,200.00
652.10	EPSC PLAN	LS	1	\$2,000.00	\$2,000.00
652.20	MONITORING EPSC PLAN	HR	40	\$60.00	\$2,400.00
652.30	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	LU	1	\$2,000.00	\$2,000.00
653.10	HAY MULCH	TON	0.6	\$800.00	\$480.00
656.50	TRANSPLANTING SHRUBS	EACH	10	\$100.00	\$1,000.00
656.65	LANDSCAPE WATERING	MGAL	1	\$100.00	\$100.00
656.80	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	CY	10	\$100.00	\$1,000.00
656.85	TREE PROTECTION	LS	1	\$2,000.00	\$2,000.00
672.20	TRAFFIC SIGN, TYPE A	SF	20	\$20.00	\$400.00
675.341	SQUARE TUBE SIGN POSTS AND ANCHOR	LF	30	\$15.00	\$450.00
675.50	REMOVING SIGNS	EACH	1	\$15.00	\$15.00
675.60	RESETTING SIGNS	EACH	1	\$30.00	\$30.00
675.61	SETTING SALVAGED POSTS	EACH	1	\$175.00	\$175.00
690.50	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	LU	1	\$1.00	\$1.00
900.620	SPECIAL PROVISION (CORING CONCRETE)	EACH	2	\$800.00	\$1,600.00
900.620	SPECIAL PROVISION (RECONSTRUCT WALKS/STEPS)	EACH	12	\$1,000.00	\$12,000.00
900.640	SPECIAL PROVISION (REMOVE AND RESET WALL)	LF	90	\$110.00	\$9,900.00
900.680	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)	TON	90	\$225.00	\$20,250.00

SUBTOTAL					\$461,000.00
20% +/- Contingency'					\$92,000.00
ESTIMATE TOTAL					\$553,000.00

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

RESOLUTION

BOND ANTICIPATION NOTE

Wastewater Facility Upgrade

On the 9th day of May, 2022 at a duly warned meeting of the Select Board of the Town of Brandon in the County of Rutland and State of Vermont the following action was taken:

Upon Motion duly made and seconded, it was approved that the Town of Brandon borrow an amount not to exceed **\$1,000,000**, at a rate of **3.15%** from Bar Harbor Bank & Trust. It was further resolved that said borrowing shall be for the purpose of funding cash flow for USDA bond for the Wastewater Facility Upgrade approved by voters at Town Meeting March 2, 2021.

It was further resolved that the Treasurer and at least a majority of the legislative body of the Select Board shall have the authority to act on behalf of the Town of Brandon in executing any notes or other documents as may be required to consummate the loan transaction contemplated by this resolution. It was further resolved that the Town of Brandon shall be bound by the terms and conditions of such Notes or other documents.

The Board authorized Susan Gage, Treasurer to borrow on this loan on behalf of the Select Board.

Select Board, Town of Brandon

By all or a Majority Thereof:

May 9, 2022

Seth Hopkins

Mike Markowski

Brian Coolidge

Tracy Wyman

Tim Guiles

05/05/22
03:18 pm

TOWN OF BRANDON Accounts Payable
Check Warrant Report # 63549 Current Prior Next FY Invoices
All Invoices For Check Acct 01(10 General Fund) 05/09/22 To 05/09/22

Page 1 of 4
Jacolyn

Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
301024	AAA POLICE SUPPLY	04/25/22 ammo 11342	10-5-14-30120 Professional Supplies	1057.00	50891	05/09/22
200263	ALDRICH & ELLIOTT, PC	05/01/22 WWTF-Final Design 80562	20-5-60-20130 WW Final Design	2834.28	50892	05/09/22
200263	ALDRICH & ELLIOTT, PC	05/01/22 Newton PS-final design 80579	20-5-65-20010 Newton PS Study	10310.00	50893	05/09/22
100015	ALLEN ENGINEERING & CHEMI	04/22/22 chlorine 11250142001	20-5-55-50120 Sodium Hypochorite	780.80	50894	05/09/22
100015	ALLEN ENGINEERING & CHEMI	04/29/22 chlorine 11250147501	20-5-55-50120 Sodium Hypochorite	334.40	50894	05/09/22
311089	ALNWICK, AIDAN	05/02/22 reimb for K9 supplies MAY 2022	10-5-14-40440 Police Dog Expenses	132.48	50895	05/09/22
311028	AMERICAN LEGION POST #55	04/29/22 appropriation MAY 2022	10-5-25-70170 American Legion Post #55	6250.00	50896	05/09/22
310590	AMERICAN WINDOW CLEANING	04/29/22 april windows 6630	10-5-22-43100 Town Office	50.00	50897	05/09/22
300541	ARC RUTLAND AREA	04/29/22 appropriation MAY 2022	10-5-25-70330 ARC of Rutland	875.00	50898	05/09/22
100245	BRANDON AREA CHAMBER OF C	04/29/22 apporpriation MAY 2022	10-5-25-70140 Chamber of Commerce	250.00	50899	05/09/22
100305	BRANDON AREA RESCUE SQUAD	04/29/22 appropriation MAY 2022	10-5-25-70130 Brandon Rescue Squad	7000.00	50900	05/09/22
100255	BRANDON FIRE DISTRICT #1	04/29/22 appropriation MAY 2022	10-2-00-02136 Fire District Payable	74137.50	50901	05/09/22
100275	BRANDON FREE PUBLIC LIBRA	04/29/22 appropriation MAY 2022	10-5-25-70470 Brandon Library	7666.67	50902	05/09/22
100625	BRANDON INDEPENDENCE DAY	04/29/22 appropriation MAY 2022	10-5-25-70110 BIDCC -4th of July Com.	1500.00	50903	05/09/22
100280	BRANDON LUMBER & MILLWORK	04/20/22 pliers 930186/3	20-5-55-43160 Maint. Supplies - General	39.98	50904	05/09/22
100280	BRANDON LUMBER & MILLWORK	04/20/22 ratchet, hose 930247/3	20-5-55-43160 Maint. Supplies - General	35.76	50904	05/09/22
100280	BRANDON LUMBER & MILLWORK	04/21/22 tie-downs 930330/3	10-5-22-43120 Municipal Mowing-maint	39.97	50904	05/09/22
100280	BRANDON LUMBER & MILLWORK	04/26/22 bulbs 931059/3	10-5-22-43180 Maint. Supplies Bldgs.	23.98	50904	05/09/22
100280	BRANDON LUMBER & MILLWORK	04/30/22 pruners, trash bags 931600/3	10-5-18-30070 Little League Expenses	88.56	50904	05/09/22
100280	BRANDON LUMBER & MILLWORK	05/03/22 charcoal 932064/3	10-5-22-43100 Town Office	19.99	50904	05/09/22
310688	BRANDON POLICE DEPT	04/21/22 postage APR 2022	10-5-14-30132 Postage Expenses PD	43.74	50905	05/09/22
100310	BRANDON SENIOR CITIZENS C	04/29/22 appropriation MAY 2022	10-5-25-70480 Senior Citizen Center	1125.00	50906	05/09/22
301085	BROWN, TYLER	04/12/22 beaver removal 04122022	10-5-15-20240 Contractors	242.00	50907	05/09/22
310712	CELEBRATION RENTALS, INC.	07/25/22 tents for Carnival 20565	10-5-18-61050 Brandon Carnival	2729.20	50908	05/09/22
301503	CHAMPLAIN VALLEY FUELS	04/18/22 heating fuel @ HWY 695599	10-5-22-42110 Heating Fuel	99.29	50909	05/09/22

TOWN OF BRANDON Accounts Payable
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Vendor	Invoice Date	Invoice Description	Account	Amount Paid	Check Number	Check Date
100411	05/04/22	reimburse for postage	20-5-55-20121	16.10	50910	05/09/22
	05/04/22		Professional Services			
100411	05/05/22	bags	20-5-55-30120	9.38	50910	05/09/22
	05/05/22		Professional Supplies			
310703	03/31/22	CC - March 2022	10-5-18-30070	149.15	50911	05/09/22
		18378	Little League Expenses			
310097	04/27/22	service 05/04 - 06/03	10-5-14-42100	422.31	50912	05/09/22
		PD 04/27/22	PD Telephone Service			
310097	04/27/22	service: 05/04 - 06/03	10-5-10-42100	607.49	50913	05/09/22
		TO 04/27/22	Telephone Exp. Admin.			
310097	04/21/22	service: 04/28 - 05/27	20-5-55-42100	199.46	50914	05/09/22
		WW 04/21/22	Wastewater Telephone			
310819	03/05/22	carnival reservations	10-5-18-61050	1000.00	50915	05/09/22
		R000004326	Brandon Carnival			
301505	04/18/22	light bar	10-5-14-41180	618.00	50916	05/09/22
		786579	PD Vehicle Maintenance			
310733	05/01/22	April dumpster fee	20-5-55-50160	450.00	50917	05/09/22
		APR 2022	Sludge Disposal			
310978	04/14/22	gloves	10-5-14-30120	209.49	50918	05/09/22
		1561238	Professional Supplies			
100456	04/29/22	Union St-Pay Req #2	46-5-21-20120	6192.16	50919	05/09/22
		422313	Union Sidewalk Engineer			
310305	04/18/22	301 Newton Rd-Appraisal	56-5-06-20200	600.00	50920	05/09/22
		22-081	Newton Rd Flood-Legal			
300466	04/22/22	septic truck @ Brookdale	20-5-55-20240	1032.50	50921	05/09/22
		70457	Contractors			
100494	04/21/22	testing	20-5-55-22120	100.00	50922	05/09/22
		406253	Testing			
100494	04/22/22	testing	20-5-55-22120	25.00	50922	05/09/22
		406365	Testing			
100494	04/29/22	testing	20-5-55-22120	25.00	50922	05/09/22
		406926	Testing			
100494	05/02/22	testing	20-5-55-22120	278.25	50922	05/09/22
		407634	Testing			
301132	05/04/22	replace Brookdale pumps	20-5-55-51230	14220.00	50923	05/09/22
		SB39566	Outside Equip. - Pump St.			
100756	04/19/22	adaptors	20-5-55-51310	371.02	50924	05/09/22
		75799330	Collection Systems			
100756	04/28/22	culverts	10-5-15-46130	6695.00	50924	05/09/22
		75865589	Culverts			
310426	04/25/22	propane @ WW gen bldg	20-5-55-42110	534.89	50925	05/09/22
		78867	LP Gas - Bldgs			
100332	05/02/22	mulch	10-5-22-43160	360.00	50926	05/09/22
		73306	Parks Maint.			
300974	05/05/22	caps and shirts	10-5-18-30070	3256.00	50927	05/09/22
		4598	Little League Expenses			
100725	04/19/22	grommets, crimp tools	10-5-15-41160	17.47	50928	05/09/22
		181832	HW Maint. Supplies-Vehicl			
100725	04/27/22	wheel nuts, anti-seize	10-5-15-41160	37.03	50928	05/09/22
		182167	HW Maint. Supplies-Vehicl			

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100322	04/29/22	GREEN UP VERMONT appropriation MAY 2022	10-5-17-71440 Green-Up Day	300.00	50929	05/09/22
301018	04/20/22	K-9 GUARDIAN, INC. heat alarm, fan, guard 8670272772	10-5-14-40440 Police Dog Expenses	1315.00	50930	05/09/22
310335	04/29/22	KAS, INC GW monitoring @ landfill 609210052-1	10-5-22-22130 Testing/Monitor Fee	2225.00	50931	05/09/22
310999	05/04/22	KILPECK, BRIAN reimb-pants 5/4/22	10-5-15-10320 Clothing Allowance	159.96	50932	05/09/22
100588	04/30/22	MARKOWSKI EXCAVATING, INC 3/4 minus V-23795	10-5-15-46140 Gravel	975.00	50933	05/09/22
100030	04/28/22	MINER CONSTRUCTION, INC. repair of sewer line 22119	20-5-55-20240 Contractors	275.00	50934	05/09/22
301033	04/21/22	MOMAR INC degreaser PSI443798	20-5-55-51230 Outside Equip. - Pump St.	382.24	50935	05/09/22
100910	04/22/22	NOBLE ACE HARDWARE RUTLAN screw pin clevis 003584/1	10-5-15-41160 HW Maint. Supplies-Vehicl	59.94	50936	05/09/22
310595	05/04/22	OCCUPATIONAL HEALTH PARTN Level 2-Service Agreement 05042022	10-5-17-61160 Worker's Comp Insurance	2253.82	50937	05/09/22
310595	05/04/22	OCCUPATIONAL HEALTH PARTN Level 2-Service Agreement 05042022	20-5-55-61160 WW Workers Comp.	195.98	50937	05/09/22
311081	04/29/22	OTTER CREEK WATERSHED INS appropriation MAY 2022	10-5-17-71800 Mosquito Control	10122.79	50938	05/09/22
301088	04/12/22	PETE'S TIRE BARNS, INC tire 013311	10-5-15-41170 HW Tires - Vehicles	203.82	50939	05/09/22
310488	04/26/22	PRIMMER PIPER EGGLESTON & WWTF Upgrade Bond 240957	20-5-55-21110 Legal Services	732.00	50940	05/09/22
100478	04/21/22	ROYAL GROUP, INC. test & inspect fire alarm 689023	10-5-22-43100 Town Office	411.76	50941	05/09/22
300375	04/20/22	RUTLAND CITY March sludge processing 31225SLUDG	20-5-55-50160 Sludge Disposal	6300.00	50942	05/09/22
100492	04/29/22	RUTLAND MENTAL HEALTH SER appropriation MAY 2022	10-5-25-70210 Rutland Mental Health	1656.00	50943	05/09/22
310418	04/01/22	SILLOWAY NETWORKS INC setup/config,monthly serv 20215228	10-5-10-30134 Technical Support	1775.69	50944	05/09/22
310418	04/20/22	SILLOWAY NETWORKS INC cable-HDMI to VGA 20215295	10-5-10-30210 Office Equipment	10.00	50944	05/09/22
310418	05/01/22	SILLOWAY NETWORKS INC Office, malware protectio 20215453	10-5-10-30134 Technical Support	883.75	50944	05/09/22
100006	04/29/22	SOUTHWESTERN VT COUNCIL O appropriation MAY 2022	10-5-25-70190 SW VT Council on Aging	600.00	50945	05/09/22
310133	04/28/22	STATE OF VERMONT Stormwater Operating Fee MRGP 2022	10-5-15-20300 State Permits	1350.00	50946	05/09/22
		Permit # 8233-9040.A				
310921	04/27/22	STEARNS SERVICES LLC consulting fee-PR-4/22 1132	10-5-10-30130 Service Contracts	360.00	50947	05/09/22
310099	04/29/22	STEPHEN A DOUGLAS BIRTHPL appropriation MAY 2022	10-5-25-70430 Stephen A. Douglas Inc.	625.00	50948	05/09/22
301139	04/25/22	T AND L INC. install light bar 146	10-5-14-41180 PD Vehicle Maintenance	150.00	50949	05/09/22
310953	04/14/22	TCE INC Design for Culvert 38712	56-5-10-30100 Arnold Dist Culvert	2721.00	50950	05/09/22

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310953	04/28/22	TCE INC Design for culvert 38770	56-5-10-30100 Arnold Dist Culvert	400.00	50951	05/09/22
100682	04/18/22	USA BLUE BOOK pH electrode 949291	20-5-55-30120 Professional Supplies	389.56	50952	05/09/22
330348	04/22/22	VERIZON WIRELESS service Mar 23 - Apr 22 9904783451	10-5-14-20233 MDT/Aircards	240.08	50953	05/09/22
300665	05/04/22	VERMONT ASSESSORS & LISTE membership 2022	10-5-11-10330 Dues & Subscriptions	50.00	50954	05/09/22
200298	05/03/22	VERMONT RECREATION & PARK membership renewal 02139	10-5-18-10320 Dues & Subscriptions	305.00	50955	05/09/22
100317	05/02/22	VERMONT STATE TREASURER-D dogs Jan-April MAY 2022	10-2-00-02112 Dog Lic. Fees to State	1400.00	50956	05/09/22
100485	04/29/22	VNA & HOSPICE OF THE SOUT appropriation MAY 2022	10-5-25-70200 RAVNA	2550.00	50957	05/09/22
310046	04/15/22	W.B. MASON CO INC drums 229121442	10-5-10-30110 Office Supplies	128.50	50958	05/09/22
311070	04/30/22	WEX BANK Gas - April 2022 806744431	20-5-55-41130 Fuel - Vehicles	25.61	50959	05/09/22
311070	04/30/22	WEX BANK Gas - April 2022 806744431	10-5-14-41130 Fuel - Vehicles	1933.70	50959	05/09/22
311070	04/30/22	WEX BANK Gas - April 2022 806744431	10-5-22-43120 Municipal Mowing-maint	27.72	50959	05/09/22
311070	04/30/22	WEX BANK Gas - April 2022 806744431	10-5-15-41130 Fuel - Vehicles HW	194.37	50959	05/09/22
311070	04/30/22	WEX BANK Gas - April 2022 806744431	10-5-18-20100 Fuel	73.36	50959	05/09/22
311001	04/30/22	WHEELER, MANDY dog park sign INV00175	10-5-18-10330 Advertising/Recruitment	36.00	50960	05/09/22
301115	04/14/22	WHITNEY, SARAH reimburse - baseball gear 04/14/22	10-5-18-30070 Little League Expenses	213.98	50961	05/09/22
Report Total				----- 199102.93 =====		

Selectboard

To the Treasurer of TOWN OF BRANDON, We Hereby certify that there is due to the several persons whose names are listed hereon the sum against each name and that there are good and sufficient vouchers supporting the payments aggregating \$ ***199,102.93
Let this be your order for the payments of these amounts.

