

Burlington Development Review Board

Department of Permitting & Inspections
645 Pine Street
Burlington, VT 05401
www.burlingtonvt.gov/DPI/DRB
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Ravi Venkataraman, (Alternate)



BURLINGTON DEVELOPMENT REVIEW BOARD

Tuesday, May 4, 2021, 5:00 PM

PUBLIC HEARING NOTICE

REMOTE MEETING

Zoom: <https://us02web.zoom.us/j/83847498134?pwd=eIVReUk0WklkVjgyaklaUUlvSmc4Zz09>

Webinar ID: 838 4749 8134

Password: 191951

Telephone: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or
+1 669 900 6833 or +1 253 215 8782

- 1. 21-0837CA; 180 North Street (NMU, Ward 3C) 180 North, LLC**
Demolish historic garage and rebuild on existing footprint. Add accessory dwelling unit above garage. Add driveway and landscaping.
- 2. 21-0785CU; 57 South Williams Street (RH, Ward 1E) VT Organization for Jewish Education, Lubavitch**
Convert apartments within existing facility to an elementary school use.

Plans may be viewed upon request by contacting the Department of Permitting & Inspections between the hours of 8:00 a.m. and 4:30 p.m. Participation in the DRB proceeding is a prerequisite to the right to take any subsequent appeal. Please note that ANYTHING submitted to the Zoning office is considered public and cannot be kept confidential. This may not be the final order in which items will be heard. Please view final Agenda, at www.burlingtonvt.gov/dpi/drb/agendas or the office notice board, one week before the hearing for the order in which items will be heard.

The City of Burlington will not tolerate unlawful harassment or discrimination on the basis of political or religious affiliation, race, color, national origin, place of birth, ancestry, age, sex, sexual orientation, gender identity, marital status, veteran status, disability, HIV positive status, crime victim status or genetic information. The City is also

The programs and services of the City of Burlington are accessible to people with disabilities.

Individuals who require special arrangements to participate are encouraged to contact the Zoning Division at least 72 hours in advance so that proper accommodations can be arranged. For information call 865-7188 (TTY users: 865-7142).

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committed to providing proper access to services, facilities, and employment opportunities. For accessibility information or alternative formats, please contact Human Resources Department at (802) 540-2505.

Department of Permitting & Inspections

Zoning Division
645 Pine Street
Burlington, VT 05401
Telephone: (802) 865-7188

William Ward, Director
Scott Gustin, AICP, CFM, Principal Planner
Mary O'Neil, AICP, Principal Planner
Ryan Morrison, Associate Planner
Layne Darfler, Planning Technician
Ted Miles, Zoning Specialist
Charlene Orton, Permitting & Inspections Administrator



TO: Development Review Board
FROM: Scott Gustin
DATE: May 4, 2021
RE: 20-0824SN; 3090 North Avenue

=====

Note: These are staff comments only; decisions on projects are made by the Development Review Board, which may approve, deny, table or modify any project. THE APPLICANT OR REPRESENTATIVE MUST ATTEND THE MEETING.

Zone: W-RL Ward: 7N

Owner/Applicant: Winooski Valley Park District

Request: Install information kiosk in flood hazard area.

Applicable Regulations:

Article 2 (Administrative Mechanisms), Article 4 (Maps & Districts), Article 7 (Signs)

Background Information:

The applicant is seeking approval to install an information kiosk (freestanding yard sign) and some related directional signs within a recently created Winooski Valley Park District park inside the flood zone of the Winooski River. The information kiosk requires approval as a sign. The associated directional signs are exempt from sign permit requirements but require consideration under the flood zone standards.

The property sits within the Special Flood Hazard Area. This location triggers Development Review Board review under the SFHA criteria of Sec. 4.5.4. Project plans have been provided to the state floodplain coordinator. Comments have not yet been received. Those provided within 30 days of submission to ANR will be incorporated into this permit.

Previous zoning actions for this property:

- 8/20/19, Approval to create conservation park
- 8/9/18, Approval to demolish buildings, footings, foundations, docks, and utilities
- 9/29/11, Approval to remove chimney
- 9/17/09, Approval to re-side the residence with vinyl siding

Recommendation: Consent approval as per, and subject to, the following findings and conditions.

I. Findings

Article 2: Administrative Mechanisms

Sec. 2.7.8, Withhold Permit

Zoning permit 19-0091CA for demolition of the marina facilities has expired and lacks its required certificate of occupancy. Per this criterion, a certificate of occupancy for this new zoning permit cannot be issued until this prior zoning permit is closed out with a certificate of occupancy.

(Affirmative finding as conditioned)

Article 4: Maps & Districts

Sec. 4.5.4, Natural Resource Protection Overlay (NR) District

(f) District Specific Regulations: Special Flood Hazard Area

(7) Special Review Criteria

A. The danger to life and property...

The proposed work is minimal and amounts to installing several signs on posts anchored into the ground. The work will have no perceptible effect on flood heights or velocities. **(Affirmative finding)**

B. The danger that material may be swept onto other lands...

The sign posts will be set into the ground 2' – 4' and will be anchored in place with sure-pack. The sign posts themselves are 4" X 4" with relatively little surface area. Anchored in place, there is little danger that the signs would be swept away onto other lands. **(Affirmative finding)**

C. The proposed water supply and sanitation systems...

(Not applicable)

D. The susceptibility of the proposed facility and its contents to flood damage...

The park is devoid of buildings. The proposed signs are minimally susceptible to flood damage. **(Affirmative finding)**

E. The importance of the services provided...

No change in use is proposed. The park is a regional amenity, and the proposed signs will provide users with important information about the park. **(Affirmative finding)**

F. The availability of alternative locations...

This property used to be a marina with several buildings sitting within the flood zone. All of the buildings were removed as part of the conversion to a park. Present use of the property as a park is a substantial improvement over prior conditions. The proposed sign will enhance use of the park.

(Affirmative finding)

G. The compatibility of the proposed use with existing development...

No change in use. **(Not applicable)**

H. The relationship of the proposed use to the Municipal Development Plan...

No change in use. **(Not applicable)**

I. The safety of access to the property...

The proposed signs will not affect access to the property during times of flooding. **(Affirmative finding)**

J. The expected heights, velocity, duration, rate of rise...

This property sits very near to the mouth of the Winooski River. Importantly, it is not located within the river's floodway. The maximum regulatory flood elevation here is 102' above sea level. The proposed signs will have no adverse impact on flood height, velocity, duration, rate of rise, or sediment transport. **(Affirmative finding)**

K. Conformance with all other applicable requirements...

See Articles 4, 5, and 6 of these findings.

Article 7: Signs

Sec. 7.2.7, Freestanding Yard Sign

The proposed kiosk is a "freestanding yard sign." The sign face is 4' X 4,' and its overall height on posts is 6.' Depth, including the posts, is just 4." It is dimensionally acceptable. No illumination is proposed. The subject parcel has no street frontage nor buildings to align with. The minimum side yard setback is 5.' Its location inside the circulation drive is acceptable.

(Affirmative finding)

II. Conditions of Approval

1. Prior to issuance of a certificate of occupancy for this zoning permit, previous zoning permit 19-0091CA shall be closed out with a final certificate of occupancy.
2. Per Sec. 4.5.4, (f) 8, construction within the Special Flood Hazard Area is subject to the following conditions:

C. All development:

- (i) New construction and/or substantial improvements to structures shall be reasonably safe from flooding and be:
 1. Designed and adequately anchored to prevent flotation, collapse, or lateral movement during the occurrence of the base flood;
 2. Constructed of materials resistant to flood damage;
 3. Constructed by methods and practices that minimize flood damage; and
 4. Constructed with electrical, heating, ventilation, plumbing and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding;
- (ii) All development shall be designed to minimize flood damage to the proposed development and to public facilities and utilities;
- (iii) All development shall be designed to provide adequate surface drainage to reduce exposure to flood hazards;
- (iv) All new construction and substantial improvements that have fully enclosed areas below the lowest floor shall:
 1. Be solely used for parking of vehicles, storage, or building access, and such a condition shall clearly be stated on any permits; and,
 2. Be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Such designs must be certified by a registered professional engineer or architect, or meet or exceed the following minimum criteria: A minimum of two openings of two walls having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided. The bottom of all openings shall be no higher than one foot above grade. Openings may be equipped with screens, louvers, valves, or other

coverings or devices provided that they permit the automatic entry and exit of floodwaters;

- (v) All necessary permits shall be obtained from those governmental agencies from which approval is required by federal or state law.

D. Residential Development:

- (i) Not applicable.

E. Non-Residential Development:

- (i) All new construction and substantial improvements for nonresidential purposes shall have the lowest floor, including basement, elevated one foot or more above the base flood elevation. Existing non-residential structures may be flood proofed where designed to be watertight to one foot or more above the base flood elevation, with walls substantially impermeable and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. A permit for a proposed building to be flood proofed shall not be issued until a registered architect or engineer has reviewed the structural design, specifications and plans and has certified that the design and methods of construction are in accordance with meeting the provisions of this subsection.

F. Water Supply Systems:

Not applicable;

G. On-Site Waste Disposal Systems:

Not applicable;

H. Recreational Vehicles:

- (i) Not applicable.

3. Standard permit conditions 1-15.

Site Plan for Signage at Derway Cove – Information Kiosk and Traffic Control Signage

GENERAL INFORMATION:

Project Location Address: 3090 North Ave. Burlington, VT 05401 (Derway Cove)

Property Owner and Applicant: Winooski Valley Park District

Property Owner/Applicant Address: 1 Ethan Allen Homestead, Burlington, VT 05408

Daytime Phone: (802) 379-0280 – Lauren Chicote, Operations Manager (cell phone)
(802) 735-5892 – Nick Warner, Executive Director (cell phone)
(802) 863-5744 – WVPD office (*WVPD's office is currently closed and phone messages are only checked periodically.*)

Email: info@wvpd.org

SIGN INFORMATION: Information Kiosk (referred to as Sign B in accompanying site layout and sign rendering pictures).

Type: Free standing

Illumination: None

Materials: Pressure treated wood (posts/frame), plywood, laminate (sign), metal fasteners.

Building: N/A

Dimensions: Length = 72 in. (including frame) Height = 48 in.
Sign Area = 16 square feet Height to top of sign = 72 in.

How many existing signs on the building or property are associated with your business? None.

How many existing signs are being replaced? None.

Total Cost of Proposed Sign(s): \$500.00

Size of each existing sign: N/A

Proposed Use: ☐ Retail
 ☐ Restaurant
 ☐ Office
 ☐ Home Occupation
 ☒ **Other:** Park/Natural Area information kiosk



Scale rendering of Information Kiosk (Sign B).

SIGN INFORMATION: Traffic Control Signage

Type: Free standing

Illumination: None

Materials: Aluminum (0.8" thick), pressure treated wood (posts, 4x4), metal fasteners, rebar (anchoring)

Building: N/A

Dimensions: Length = 12 inches Height = 18 inches
 Sign Area = 216 square inches Height to top of signs = 66 inches

How many existing signs on the building or property are associated with your business? No existing signs are on the property.

How many existing signs are being replaced? None.

Total Cost of Proposed Sign(s): \$1,102

Size of each existing sign: N/A

Proposed Use: ☐ Retail
 ☐ Restaurant
 ☐ Office
 ☐ Home Occupation
 ☒ **Other:** Park/Natural Area Entrance and Information signage



Size: 12" x 18"
 Total qty: 15
 Mounting Holes: 2 each,
 centered top & bottom,
 3/8" diameter, 1" IN
 Round Corners: 1/2"
 radius

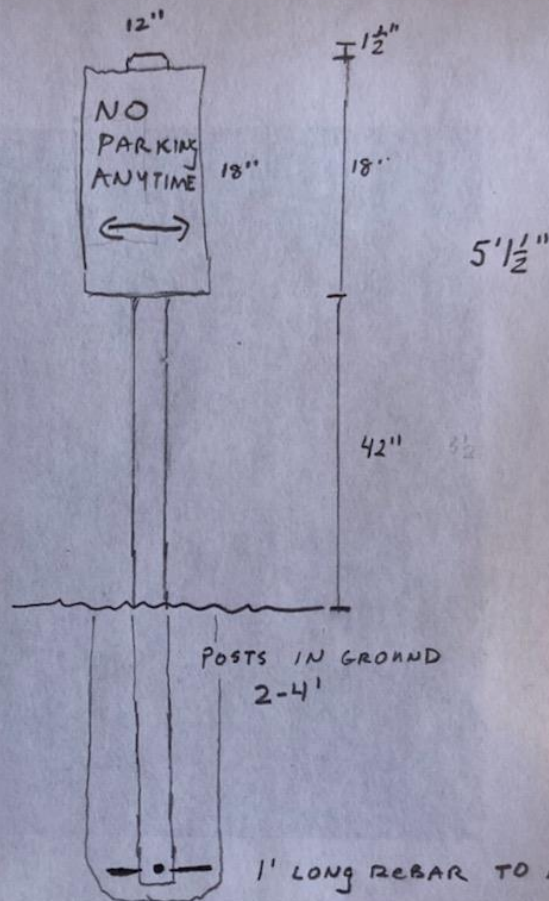
Examples of traffic control signage. Each sign will be 12" x 18".



Site location: 3090 North Ave. Burlington. Derway Island Natural Area and Derway Cove.



PARKING AND TRAFFIC CONTROL SIGNAGE



4x4 SIGN POST \$20

REBAR \$5.00

1' LONG REBAR TO ANCHOR
IN GROUND. HOLE FILLED
WITH SOIL/SHURPAL AND
TAMPED BACK TO FLUSH
WITH GROUND.

Scaled rendering of traffic sign anchoring.

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TO: Development Review Board
FROM: Scott Gustin
DATE: May 4, 2021
RE: 21-0870CA; 8 College Street
21-0874CA; 0 Flynn Avenue

=====

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Zone: DW-PT, RCO-RG Ward: 3C, 5S

Owner/Applicant: City of Burlington / Dept. of Parks, Recreation, & Waterfront

Request: Bike path / greenway reconstruction and realignment between College and Maple Streets and through Oakledge Park.

Applicable Regulations:

Article 4 (Maps & Districts), Article 5 (Citywide General Regulations), Article 6 (Development Criteria & Guidelines), Article 8 (Parking)

Background Information:

The applicant is seeking approval to reconstruct the bike path between College Street and Maple Street. The path will be relocated to the west of the railroad tracks. This work is associated with (but separate from) the railroad work to accommodate passenger rail. Further south, the bike path is to be reconstructed through Oakledge Park between Austin Drive and Flynn Avenue. New bike racks, pause places, and improved access to Blanchard Beach are included in this work.

The proposed work includes tree removal and new tree plantings as well as other landscaping and hardscaping improvements. Wayfinding signage is included in the plans but is subject to separate zoning permit review.

The work to improve access to Blanchard Beach extends into the special flood hazard area (SFHA) along Lake Champlain. Project plans have been forwarded to the Vermont River Corridor & River Protection Program for comment. No comments have yet been received. Timely comments will be incorporated into this permit.

The proposed work traverses multiple properties and includes two applications. It is reviewed collectively as one project. As municipal property, the project is subject only to limited zoning review per VSA 24, Sec. 4413, *Limitations on Municipal Bylaws*, (a). Review may address location, size, height, building bulk, yards, courts, setbacks, density of buildings, off-street parking, loading facilities, traffic, noise, lighting, landscaping, and screening requirements, and only to the extent that regulations do not have the effect of interfering with the intended function or use.

The Conservation Board reviewed this project May 3, 2021. Any comments or recommendation will be provided to the Development Review Board.

Recommendation: **Certificate of appropriateness approval** as per, and subject to, the following findings and conditions.

I. Findings

Article 4: Zoning Maps & Districts

Sec. 4.4.1, Downtown Mixed Use Districts:

(a) Purpose

(2) Downtown Waterfront – Public Trust District

This district is intended, in part, to increase access, utilization, and enjoyment of the lakeshore by the community. The bike path does exactly this and is consistent with the intent of this district.

(Affirmative finding)

(b) Dimensional Standards & Density

No setback requirements apply to this project, nor is there any lot coverage limit. With no new buildings, FAR remains unchanged, and height limits are not applicable. **(Affirmative finding)**

(c) Permitted & Conditional Uses

See criterion (d) below.

(d) District Specific Regulations

The bike path is a public amenity consistent with the intent of the DW-PT zone, and no change in use is proposed. **(Affirmative finding)**

Sec. 4.4.6, Recreation, Conservation, and Open Space Districts:

(a) Purpose

(2) RCO-Recreation/Greenspace (RCO-RG)

The portion of work through Oakledge Park is located in the RCO-RG zone. This zone is intended primarily to provide a diversity of passive and active recreational opportunities. The proposed bike path work will contribute to future enjoyment of the path and enhanced access to Blanchard Beach. **(Affirmative finding)**

(b) Dimensional Standards & Density

No new buildings are included. In addition to the path reconstruction, several new bike parking areas are proposed, as is a pause place by Blanchard Beach. Density remains unchanged, and setbacks do not apply (paths may extend into setbacks). Lot coverage will be affected; however the degree of change is not clear. Up to 15% lot coverage is permissible in Oakledge Park. Proposed lot coverage information is needed to confirm continued compliance. **(Affirmative finding as conditioned)**

(c) Permitted & Conditional Uses

The outdoor recreational use is permitted in the RCO-RG zone and will not change. **(Affirmative finding)**

(d) District Specific Regulations
(Not applicable)

Sec. 4.5.4, Natural Resource Protection Overlay District:

(c) District Specific Regulations: Riparian and Littoral Conservation Zone

The new pause place and access to Blanchard Beach will sit within the Riparian and Littoral Conservation Zone (250' width from the 100' lakeshore elevation). This overlay zone limits the clearing of trees over 6" caliper and new stormwater outfalls. The plans show just one tree to be removed and several others to be protected and retained due to the new beach access. No new stormwater outfalls are proposed. As noted above, the Conservation Board will review this proposal May 3, 2021. **(Affirmative finding)**

(f) District Specific Regulations: Special Flood Hazard Area

Sections of the proposed work extend into the SFHA. The following criteria apply.

(7) Special Review Criteria

A. The danger to life and property...

A small portion of the proposed Blanchard Beach access will extend below the 102' lakeshore flood elevation. The work is minimal, and it will create no increase in flood heights or velocities. **(Affirmative finding)**

B. The danger that material may be swept onto other lands...

The proposed concrete and stone beach access is in little danger of being swept away during times of flooding. **(Affirmative finding)**

C. The proposed water supply and sanitation systems...

No changes to water and sewer systems are proposed. **(Affirmative finding)**

D. The susceptibility of the proposed facility and its contents to flood damage...

As noted above, the proposed work is small in scale and is constructed of materials resistant to flood damage. The proposed beach access is far less susceptible to flooding damage than buildings would be. **(Affirmative finding)**

E. The importance of the services provided...

Like the bike path, Blanchard Beach is a community amenity. The proposed pause place and beach access will improve the connection between these amenities. **(Affirmative finding)**

F. The availability of alternative locations...

The location of the bike path will remain essentially unchanged. Logically, the proposed beach access will enter low elevation territory, in this case, within the flood zone. **(Affirmative finding)**

G. The compatibility of the proposed use with existing development...

The proposed work will improve access to a community amenity and is consistent with the intent of the RCO-RG zone. **(Affirmative finding)**

H. The relationship of the proposed use to the Municipal Development Plan...

No new use is proposed. Parkland remains parkland. As noted in criterion G above, the proposed beach access is consistent with the express intent of the RCO-RG zone. **(Affirmative finding)**

I. The safety of access to the property...

The proposed beach access will have no adverse effect on access to Oakledge Park in times of flooding. **(Affirmative finding)**

J. The expected heights, velocity, duration, rate of rise...

The proposed beach access will have no impact on lakeshore flood height, velocity, duration, rate of rise, or sediment transport. The degree of encroachment into the SFHA is minimal.
(Affirmative finding)

K. Conformance with all other applicable requirements...

See Articles 4, 5, and 6 of these findings.

Article 5: Citywide General Regulations

Sec. 5.2.3, Lot Coverage Requirements

See Article 4 above.

Sec. 5.2.4, Buildable Area Calculation

(Not applicable)

Sec. 5.2.5, Setbacks

See Article 4 above.

Sec. 5.2.6, Building Height Limits

See Article 4 above.

Sec. 5.2.7, Density and Intensity of Development Calculations

See Article 4 above.

Sec. 5.5.3, Stormwater and Erosion Control

The proposed work requires an erosion prevention and sediment control (EPSC) plan for implementation during construction. EPSC details have been provided. Final approval from the city's stormwater program is pending. **(Affirmative finding as conditioned)**

Article 6: Development Review Standards

Part 1, Land Division Design Standards

(Not applicable)

Part 2, Site Plan Design Standards

Sec. 6.2.2, Review Standards

This application pertains largely to site work for the reconstructed bike path and related work. No new buildings are included. The project plans include provision for related improvements including new landscaping, bike racks, and a new pause place and related access to Blanchard Beach. Details provided address tree removal and replacement along with other additional landscaping running alongside portions of the reconstructed path. The proposed features serve to enhance this heavily used community resource.

The section of work between Maple and King Streets includes an extension of the LCTC parking lot onto city property (Perkins Pier). Related landscaping is included. This work will require a separate zoning permit for the LCTC property, although most of the work is on city property. **(Affirmative finding as conditioned)**

Part 3, Architectural Design Standards

Sec. 6.3.2, Review Standards

(Not applicable)

Article 8: Parking

Sec. 8.1.8, Minimum Off-Street Parking Requirements

The proposed parking lot work is located within the Multimodal Mixed-Use parking district. No minimum onsite parking requirement apply. The expansion of the LCTC parking lot onto Perkins Pier appears to have little, if any, impact on the number of parking spaces on each property. Clarification is needed. **(Affirmative finding as conditioned)**

Sec. 8.1.9, Maximum On-Site Parking Spaces

Although no onsite parking minimum requirements apply, this criterion establishes an upper limit to onsite parking spaces. Existing and proposed parking numbers for each property are needed in order to determine compliance. The new LCTC parking spaces on Perkins Pier are off-site spaces as to that use and count towards the maximum permissible on the Perkins Pier property. **(No finding possible)**

II. Conditions of Approval

If onsite parking is compliant per the maximum onsite parking standards, the following conditions of approval are recommended.

1. **Prior to release of the zoning permit**, the following items must be provided, subject to staff review and approval:
 - a. Existing and proposed lot coverage (percent and square feet) for Oakledge Park;
 - b. Separate zoning application for the LCTC property (for the parking lot work); and,
 - c. Existing and proposed parking space totals for the LCTC property and for Perkins Pier.
2. **Prior to release of the zoning permit**, the erosion prevention and sediment control plan shall be reviewed and approved by the Stormwater Administrator.
3. Per Sec. 4.5.4, (f) 8, construction within the Special Flood Hazard Area (i.e. the new beach access) is subject to the following conditions:
 - C. All development:
 - (i) New construction and/or substantial improvements to structures shall be reasonably safe from flooding and be:
 1. Designed and adequately anchored to prevent flotation, collapse, or lateral movement during the occurrence of the base flood;
 2. Constructed of materials resistant to flood damage;
 3. Constructed by methods and practices that minimize flood damage; and
 4. Constructed with electrical, heating, ventilation, plumbing and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding;

- (ii) All development shall be designed to minimize flood damage to the proposed development and to public facilities and utilities;
- (iii) All development shall be designed to provide adequate surface drainage to reduce exposure to flood hazards;
- (iv) All new construction and substantial improvements that have fully enclosed areas below the lowest floor shall:
 - 1. Not applicable;
- (v) All necessary permits shall be obtained from those governmental agencies from which approval is required by federal or state law.
- D. Residential Development:
 - (i) Not applicable.
- E. Non-Residential Development:
 - (i) All new construction and substantial improvements for nonresidential purposes shall have the lowest floor, including basement, elevated one foot or more above the base flood elevation. Existing non-residential structures may be flood proofed where designed to be watertight to one foot or more above the base flood elevation, with walls substantially impermeable and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. A permit for a proposed building to be flood proofed shall not be issued until a registered architect or engineer has reviewed the structural design, specifications and plans and has certified that the design and methods of construction are in accordance with meeting the provisions of this subsection.
- F. Water Supply Systems:
 - Not applicable;
- G. On-Site Waste Disposal Systems:
 - Not applicable;
- H. Recreational Vehicles:
 - (i) Not applicable.
- 4. Standard conditions 1-15.

Burlington Greenway Phase 3b – Existing Conditions

PROJECT INFORMATION

Name: Burlington Greenway Rehabilitation Phase 3b South
Location/Park: Oakledge Park
Address: 0 Flynn Avenue



Entrance to Greenway from Austin Dr. looking north



Greenway from upper shelter parking lot looking southeast



Beach access from Blanchard looking south



Beach access from Greenway at Flynn looking NW



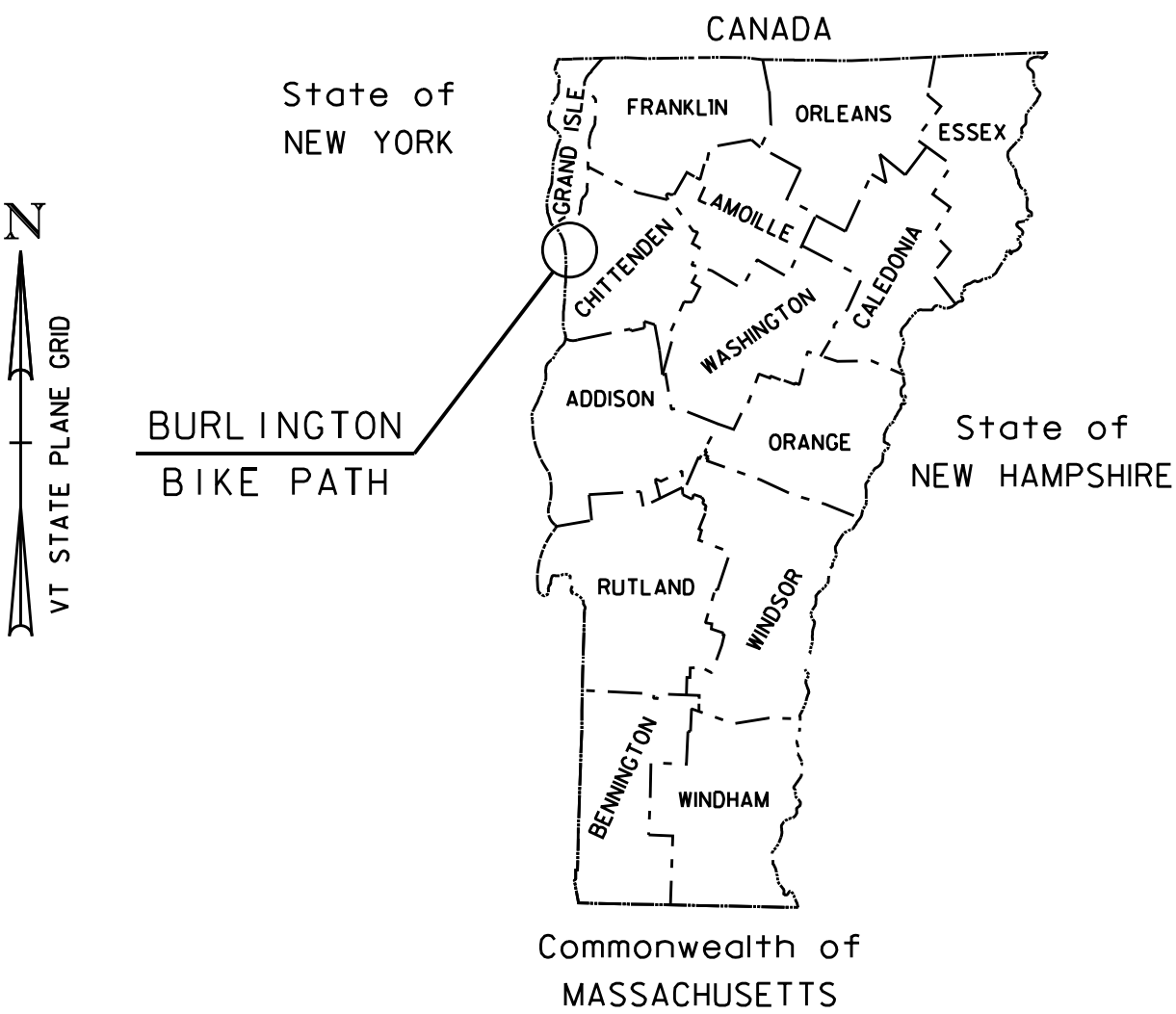
Greenway at playground entrance looking east

CITY OF BURLINGTON



PROPOSED IMPROVEMENT
BURLINGTON BIKE PATH
REHABILITATION PROJECT
PHASE 3B (SOUTH)

CITY OF BURLINGTON
COUNTY OF CHITTENDEN

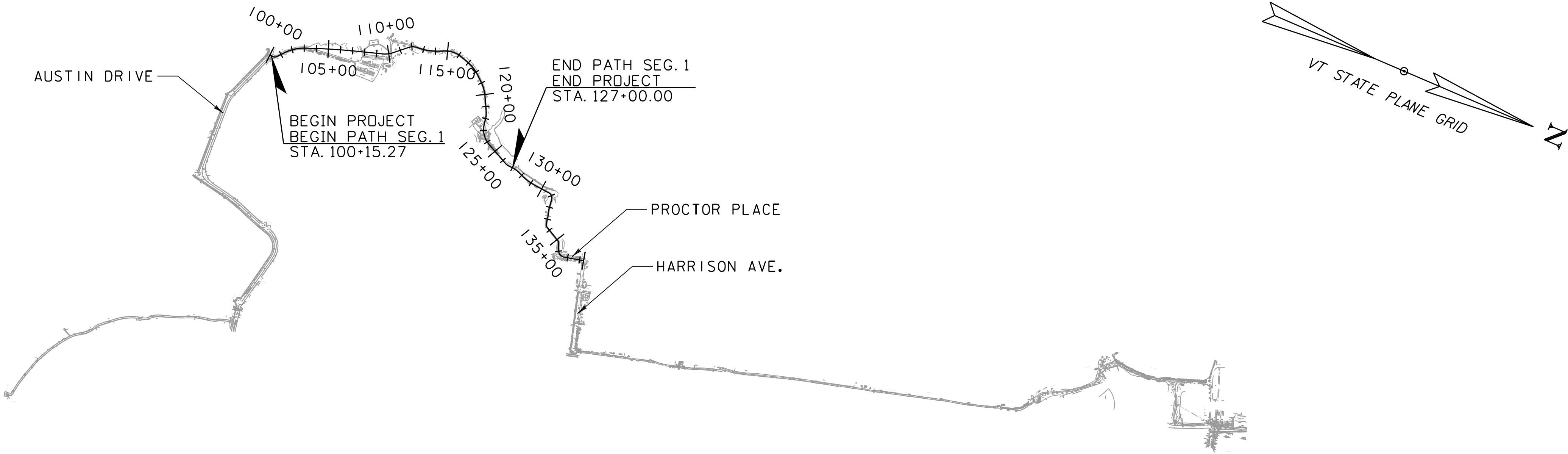


FINAL PLANS (90%)
FEBRUARY 2021

PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, CITY OF BURLINGTON, THE PROJECT RUNS FROM AUSTIN DRIVE TO BLANCHARD BEACH.

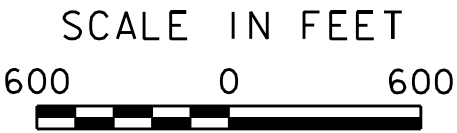
PROJECT DESCRIPTION: WORK TO BE PERFORMED INCLUDES REMOVAL OF THE EXISTING PATH PAVEMENT; THE WIDENING AND REPAVING OF THE PATH; INSTALLATION OF PAVEMENT MARKINGS, SIGNS, AND CONCRETE SIDEWALK RAMPS; THE RECONFIGURATION OF THE PATH AT THE FLYNN AVENUE INTERSECTION, AND OTHER INCIDENTAL ITEMS.

LENGTH OF PROJECT: SEGMENT 1: 0.51 MILES (2684.73 FEET)
TOTAL: 0.51 MILES (2684.73 FEET)



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THIS CONTRACT.

SURVEYED BY :		VHB ALDRICH + ELLIOT, PC BUTTON PROFESSIONAL LAND SURVEYORS, PC CROSS CONSULTING ENGINEERS
SURVEYED DATE :		AUGUST 2013, AUG. 2015, SEPTEMBER 2018
DATUM		
VERTICAL		NAVD 88
HORIZONTAL		NAD 83 (07)



PROJECT MANAGER :		EVAN P. DETRICK, P.E.
PROJECT NAME :		BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER :		58109.01
SHEET 1 OF 48 SHEETS		

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ADDITIONAL SYMBOLS

EXIST. STREET LIGHT	
EXISTING SURVEY CONTROL POINTS	
PROP. ORNAMENTAL STREET LIGHT	
FIRE CALL BOX	
PROPOSED TREE	
PROPOSED TREE WITH TREE PIT	
PROPOSED SHRUB	
PROPOSED TREE PIT OR TREE LOCATION	
PROPOSED BRICK PAVERS	
EXIST. STORM DRAIN	
EXIST. SEWER	
EXIST. WATER	
EXIST. GAS	
EXIST. UNDERGROUND TELEPHONE	
PROPOSED DRAINAGE CALLOUT	
FIRE HYDRANT	
PROPOSED PULL BOX	
PROPOSED CONDUIT	
PROPOSED CONDUIT AND SLEEVE	
PROPOSED WATER LINE	
PROPOSED SEWER LINE	
PROPOSED ROOF DRAIN	
PROPOSED STORMWATER TREATMENT PLANTER	
PROPOSED BANNER POLE	
BORING LOCATION	
PROPOSED WAYFINDING SIGN	

VAOT STANDARDS

A-78	4-7-2020	SHARED USE PATH TYPICAL
A-79	4-7-2020	RAIL TRAIL TYPICAL
B-5	6-01-1994	SLOPE GRADING, EMBANKMENTS, MUCK
C-3A	4-7-2020	SIDEWALK RAMPS
E-10	4-7-2020	ROLLED EROSION CONTROL PRODUCT, TYPE I
E-15	4-7-2020	SILT FENCE
E-12I	8-8-1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-193	8-18-1995	PAVEMENT MARKING DETAILS
E-195	6-9-2008	SHARED USE PATH PAVEMENT MARKINGS AND SIGN DETAILS
T-1	4-25-2016	TRAFFIC CONTROL GENERAL NOTES
T-2	4-7-2020	TRAFFIC SIGN GENERAL NOTES
T-10	8-6-2012	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING
T-28	8-6-2012	CONSTRUCTION SIGN DETAILS
T-30	8-6-2012	CONSTRUCTION SIGN DETAILS
T-45	1-2-2013	SQUARE TUBE SIGN POST AND ANCHOR



PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER:	58109.01
FILE NAME: 58109ind.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
INDEX OF SHEETS	SHEET 2 OF 48

SYMBOL OGY LEGEND NOTE

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

■	BDNDS	BOUND SET
▣	BDNDS	BOUND TO BE SET
⊙	IPNF	IRON PIN FOUND
●	IPNS	IRON PIN TO BE SET
☒	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

POINT	CODE	DESCRIPTION
-------	------	-------------

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

CODE	DESCRIPTION
------	-------------

D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANC

UNDERGROUND UTILITIES

ABOVE GROUND UTILITIES (AERIAL)

PROJECT CONSTRUCTION SYMBOLOGY

— . . — - CZ — . . — - CLEAR ZONE
 _____ PLAN LAYOUT MATCHLINE

	TOP OF CUT SLOPE
	TOE OF FILL SLOPE
	STONE FILL
	BOTTOM OF DITCH
	CULVERT PROPOSED
	STRUCTURE SUBSURFACE
	PROJECT DEMARCATION FENCE
	BARRIER FENCE
	TREE PROTECTION ZONE (TPZ)
	STRIPING LINE REMOVAL
	SHEET PILES

BOUNDARY LINES

PROPERTY LINE (P/L)
 SLOPE RIGHTS
 6F PROPERTY BOUND
 4F PROPERTY BOUND
 HAZARDOUS WASTE

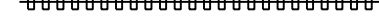
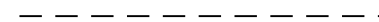
EPSC MEASURES

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLOGY

	WETLAND BOUNDARY
	RIPARIAN BUFFER ZONE
	WETLAND BUFFER ZONE
	SOIL TYPE BOUNDARY
	THREATENED & ENDANGERED SPECIES
	HAZARDOUS WASTE AREA
	AGRICULTURAL LAND
	FISH & WILDLIFE HABITAT
	FLOOD PLAIN
	ORDINARY HIGH WATER (OHW)
	STORM WATER
	USDA FOREST SERVICE LANDS
	WILDLIFE HABITAT SUIT/CONN

—— ARCH ——	ARCHEOLOGICAL BOUNDARY
— HISTORIC DIST —	HISTORIC DISTRICT BOUNDARY
—— HISTORIC ——	HISTORIC AREA
(H)	HISTORIC STRUCTURE

EXISTING FEATURES

	RAILROAD TRACKS
	CULVERT (EXISTING)
	STONE WALL
	WALL
	WOOD LINE
	BRUSH LINE
	HEDGE
	BODY OF WATER
	LEDGE EXPOSED

FILE NAME: 58109legend.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P. DETRICK	DRAWN BY: VTRANS
DESIGNED BY: VTRANS	CHECKED BY: E.P. DETRICK
CONVENTIONAL SYMBOLS LEGEND SHEET	SHEET 3 OF 48



PROJECT NOTES

GENERAL

- 1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2018, AND ITS LATEST REVISIONS.
- 2. PER AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), PATH CROSS SLOPES SHALL NOT EXCEED 2%.
- 3. ALL SHARED USE PATH LONGITUDINAL RAMPS AT ROADWAY AND DRIVEWAY CROSSINGS SHALL NOT EXCEED 5%.

CONSTRUCTION

- 4. ALL TREE CLEARING AND TREE REMOVAL WITHIN THE SLOPE LIMITS SHOWN ON THE PLANS SHALL BE PAID FOR UNDER ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS". ADDITIONAL TREE CLEARING AND REMOVAL BEYOND THE SLOPE LIMITS WILL BE PAID UNDER ITEM 201.15, "REMOVING MEDIUM TREES", UNLESS OTHERWISE NOTED IN THESE PLANS.
- 5. ANY EXISTING SIGNS NOT REUSED SHALL REMAIN THE PROPERTY OF THE CITY OF BURLINGTON. THESE SIGNS SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED FOR REMOVAL BY THE CITY. STOCKPILE LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER.
- 6. THE FOLLOWING IS A LIST OF CONTACTS THE CONTRACTOR SHALL NOTIFY AT LEAST SEVEN (7) FULL BUSINESS DAYS PRIOR TO EXCAVATING:

CITY OF BURLINGTON:
CINDI WIGHT, DIRECTOR OF PARKS, RECREATION & WATERFRONT;
(802) 865-7557
JON ADAMS KOLLITZ, BURLINGTON BIKE PATH REHABILITATION PROJECT MANAGER;
(802) 865-7247
CHAPIN SPENCER, DIRECTOR OF PUBLIC WORKS;
(802) 863-9094
CALEB MANNA, ROW AND EXCAVATION INSPECTION, DPW
(802) 865-7562
BURLINGTON ELECTRIC DEPARTMENT:
BRIAN SWEENEY, DISTRIBUTION ENGINEER;
(802) 865-7324

- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, STATE AND LOCAL REQUIREMENTS.
- 8. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 9. IN THE EVENT GROSS CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- 10. THERE ARE EXISTING STORM DRAIN LINES LOCATED BENEATH THE PATH. COMPACTION SHALL NOT BE COMPLETED USING VIBRATORY ROLLING METHODS. DAMAGE RESULTING FROM CONTRACTOR CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 11. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION AS PER THE EPSC NARRATIVE AND DETAILS PROVIDED IN THESE PLANS TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- 12. ALL CONTRACTORS WORKING IN DIRECT CONTACT WITH SOILS FOR EXCAVATING, REGRADING, AND OTHER PROJECT TASKS SHALL BE OSHA-HAZWOPER CERTIFIED.
- 13. THE EXISTING WOODEN BIKE PATH SIGNS LOCATED WITHIN THE PROJECT ARE TO BE REMOVED BY THE CONTRACTOR AND STOCKPILED AT THE CITY OF BURLINGTON PARKS, RECREATION & WATERFRONT. PAYMENT WILL NOT BE MADE DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS". THE EXISTING ALUMINUM/STEEL SIGNS TO BE REMOVED WILL BE PAID UNDER ITEM 675.50, "REMOVING SIGNS".
- 14. THE CITY RESERVES FIRST RIGHT OF REFUSAL ON ANY ITEMS SALVAGED AS PART OF THE PROJECT.
- 15. ORNAMENTAL BOULDERS ENCOUNTERED ON SITE SHALL NOT BE IMPACTED DURING CONSTRUCTION. DAMAGE TO ORNAMENTAL BOULDERS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 16. ALL JAPANESE KNOT WEED ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED USING A MULTI-PRONGED APPROACH. THE CONTRACTOR SHALL APPLY HERBICIDES SUCH AS ROUNDUP. ADDITIONALLY, THE CONTRACTOR SHALL EXCAVATE OUT THE ROOT SYSTEM AND DIG UP AS MANY RHIZOMES AS POSSIBLE. TO PREVENT SPREADING OF JAPANESE KNOT WEED UPON REMOVAL, THE CONTRACTOR SHALL DISPOSE OF THE SOIL AND PLANT WASTE IN A CONTROLLED MANNER. REMOVAL OF JAPANESE KNOT WEED SHALL BE INCLUDED IN THE PAY ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS"

- 17. CONTRACTOR SHALL OBTAIN AN EPSC PERMIT THROUGH THE CITY OF BURLINGTON'S WATER RESOURCES DIVISION. TO OBTAIN A PERMIT, THE CONTRACTOR MUST COMPLETE AND SUBMIT THE CITY OF BURLINGTON EPSC PERMIT APPLICATION TO THE WATER RESOURCES DEPARTMENT USING THE CONTACT INFORMATION LISTED BELOW. ADDITIONAL EPSC MEASURES AS REQUIRED BY CITY PERMIT AND/OR THE ENGINEER THAT ARE NOT ITEMS IN THE CONTRACT WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE ALL OTHER CONTRACT ITEMS.

CITY OF BURLINGTON - DEPARTMENT OF WATER RESOURCES:
JAMES SHERRARD, STORMWATER PROGRAM MANAGER;
(802) 863-4501
JSHERARD@BURLINGTONVT.GOV

- 18. ALL EXCAVATION, PAVING (REMOVAL AND INSTALLATION), AND CONSTRUCTION OPERATIONS TO BE PERFORMED SHALL BE COMPLETED WITH EXTREME CARE TO NOT DAMAGE THE EXISTING TREES AS OUTLINED IN ITEM 900.645, "SPECIAL PROVISION (ROOT PRUNING AND TREE PROTECTION)". THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME FAMILIAR WITH EXISTING CLEARANCES TO TREE CANOPIES AND BID THE PROJECT WITH THE UNDERSTANDING THAT ALTERNATIVE EQUIPMENT MAY BE REQUIRED FOR CONSTRUCTION OPERATIONS TO ENSURE NO DAMAGE TO TREES WILL OCCUR. ALL COSTS SHALL BE INCLUDED UNDER APPROPRIATE PAVEMENT, EXCAVATION, AND ROOT PRUNING AND TREE PROTECTION PAY ITEMS FOR PROTECTION OF EXISTING TREES. IF DAMAGE DOES OCCUR TO ANY OF THE EXISTING TREES, ALL COSTS FOR REPLACEMENT TO THE CITY'S SATISFACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

- 19. ALL RELOCATED BOULDERS ON PROJECT SHALL BE TAKEN FROM OAKLEDGE PARK AND CHOSEN BY THE CITY OF BURLINGTON PARKS, RECREATION & WATERFRONT.

UTILITY

- 20. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR DESIGN ENGINEER HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED WORK, INCLUDING WORK WITHIN THE PUBLIC RIGHTS OF WAY.

- 21. IF ANY SURFACE OR SUBSURFACE UTILITIES ARE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER AND THE UTILITY SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE RESTORATION OF DAMAGED UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

- 22. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED IN WRITING TO THE RESIDENT ENGINEER FOR THE RESOLUTION OF THE CONFLICT.

- 23. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL BURIED AND AERIAL UTILITIES AND POLES PRIOR TO STARTING WORK. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS TO CONFIRM ACTUAL LOCATIONS PRIOR TO CONSTRUCTION.

DIG-SAFE (1-888-344-7233)

- 24. EXISTING RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS WITHIN THE LIMITS OF THE PROPOSED WORK, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:

- A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
- B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
- C. LANDSCAPE, TOPSOIL AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION

- 25. THE USE OF BRICK AND MORTAR TO ADJUST THE ELEVATION OF DRAINAGE OR SANITARY STRUCTURES IS PROHIBITED. ALL ELEVATION ADJUSTMENTS SHALL BE MADE USING EITHER GRADE RINGS OR A SYNTHETIC RISER.

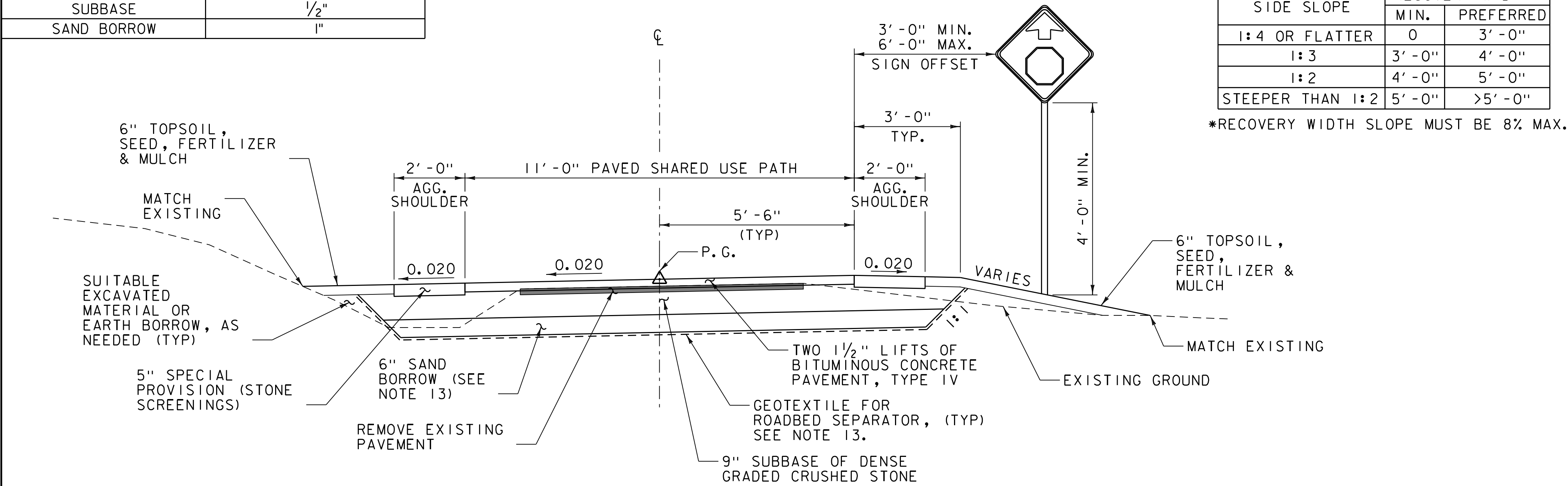
- 26. ALL CONNECTIONS BETWEEN PRECAST DRAINAGE STRUCTURES AND NEW DRAINAGE PIPES SHALL BE A BOOTED CONNECTION.

- 27. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND ADJUSTING ALL CURB STOPS, WATER VALVES, MANHOLES, & DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS TO THE FINAL GRADE ELEVATION. PAYMENT FOR ADJUSTMENTS SHALL BE PAID FOR UNDER THE APPROPRIATE CONTRACT PAY ITEMS.

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109notes.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
PROJECT NOTES	SHEET 4 OF 48



MATERIAL TOLERANCES	
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (FULL DEPTH)	+/- 1/4" (TOTAL THICKNESS)
SUBBASE	1/2"
SAND BORROW	1"



RECOVERY AREA TABLE		
SIDE SLOPE	RECOVERY WIDTH*	
	MIN.	PREFERRED
1:4 OR FLATTER	0	3'-0"
1:3	3'-0"	4'-0"
1:2	4'-0"	5'-0"
STEEPER THAN 1:2	5'-0"	>5'-0"

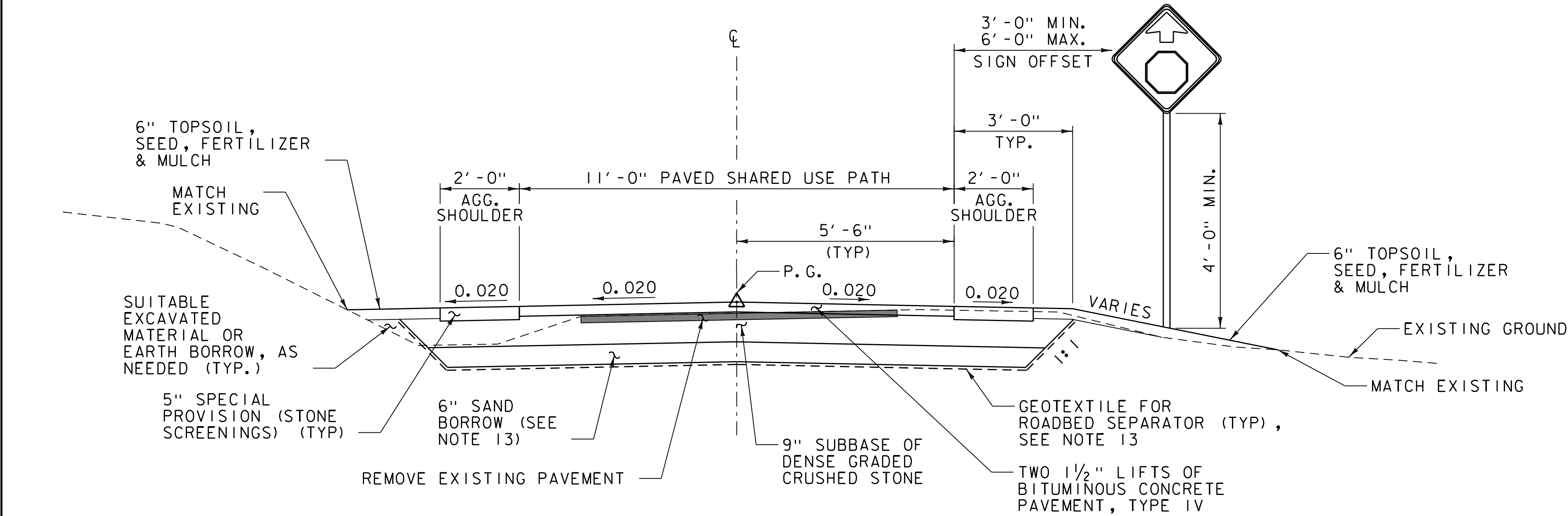
*RECOVERY WIDTH SLOPE MUST BE 8% MAX.

PATH TYPICAL SECTION (REVERSE CROWN)

N. T. S.
STA. 110+25 - STA. 117+25
STA. 121+75 - STA. 124+25

SAND BORROW LOCATIONS

STA. 110+25 - STA. 112+40
STA. 122+25 - STA. 126+50



NORMAL CROWN PATH TYPICAL SECTION

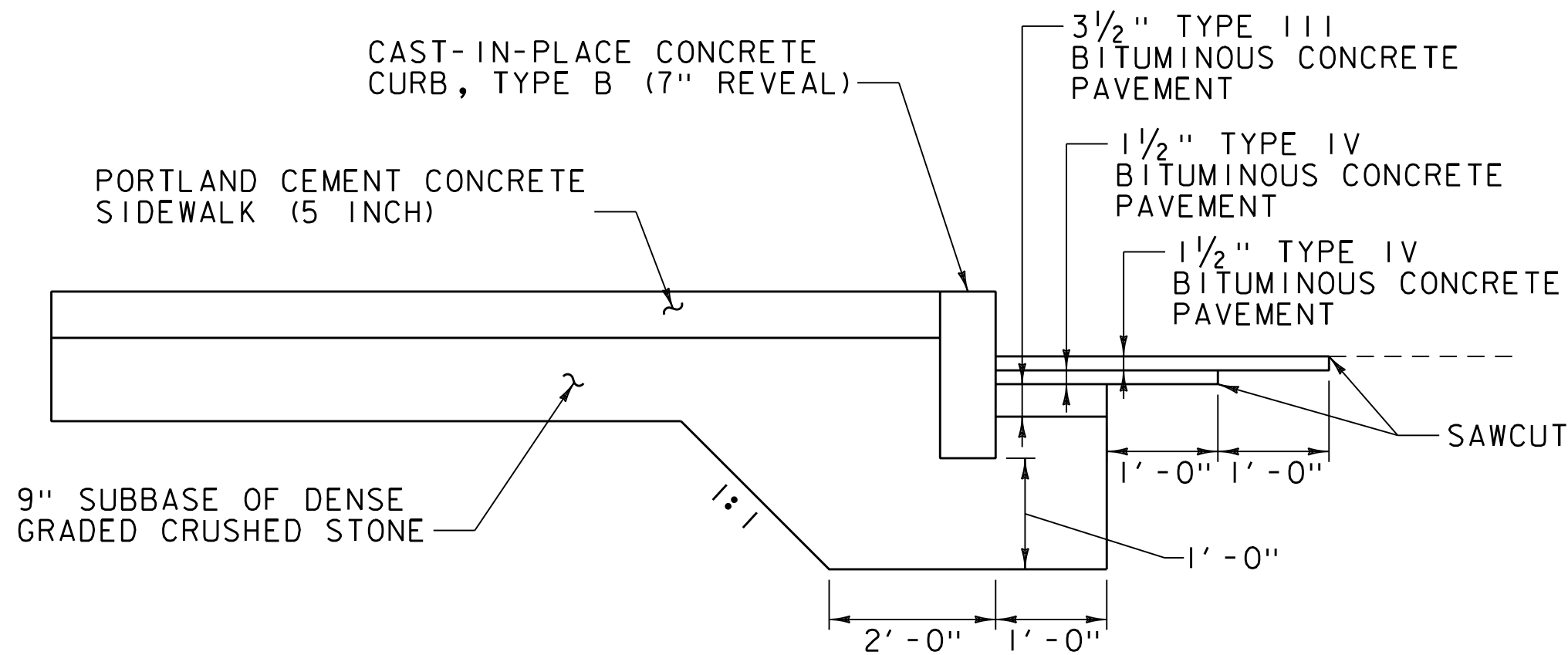
N. T. S.
STA. 100+21 - STA. 110+25
STA. 117+25 - STA. 121+75
STA. 124+25 - STA. 127+00

SAND BORROW LOCATIONS

STA. 103+00 - STA. 110+25

NOTES FOR ALL TYPICAL SECTIONS:

- THE MINIMUM PAVED PATH WIDTH SHALL BE 11'-0" UNLESS NOTED OTHERWISE IN THE PLANS.
- THE PATH SHALL HAVE A UNIFORM TWO PERCENT CROSS SLOPE IN THE DIRECTION SHOWN IN THE PLANS, AND THE SUBBASE SHALL BE GRADED TO MATCH.
- ALL SHARED USE PATHS SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) TO THE EXTENTS POSSIBLE GIVEN EXISTING CONDITIONS. REFER TO THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR SPECIFIC DETAILS.
- ANY TREE ROOTS ENCOUNTERED WITHIN THE EXCAVATION LIMITS SHALL BE PRUNED AND PROTECTED. THE COST OF THIS WORK IS INCIDENTAL TO ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS".
- DITCHES SHALL RECEIVE THE FOLLOWING TREATMENTS BASED ON THEIR SLOPE, UNLESS SHOWN OTHERWISE ON THE PLANS.
 - 0-1% SEED AND MULCH
 - 1-2.5% ROLLED EROSION CONTROL PRODUCT, TYPE I AND SEED
- PAYMENT OF DITCH LINE TREATMENTS SHALL BE UNDER THE FOLLOWING RESPECTIVE VTRANS UNIT ITEMS:
 - SEED - 651.15
 - HAY MULCH - 653.10
 - ROLLED EROSION CONTROL PRODUCT, TYPE I - 653.20
 - TYPE I STONE FILL - 613.10
 - TYPE II STONE FILL - 613.11
- SEE EPSC NOTES FOR SEED AND SOIL SUPPLEMENT SPECIFICATIONS.
- AGGREGATE SHOULDER SHALL BE PAID UNDER ITEM NO. 900.608 SPECIAL PROVISION (STONE SCREENINGS).
- EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE OF 0.040 GAL/SY WHERE INDICATED.
- SAWCUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO ITEM 406.25 "MARSHALL BITUMINOUS CONCRETE PAVEMENT".
- TOPSOIL SHALL NOT BE SOURCED FROM WITHIN THE CITY OF BURLINGTON.
- SAND BORROW AND GEOTEXTILE FOR ROADBED SEPARATOR SHALL BE USED IN LOCATIONS WHERE THE PATH IS CONSTRUCTED OVER VIRGIN EARTH.



FLYNN AVE SIDEWALK TYPICAL SECTION

N. T. S.

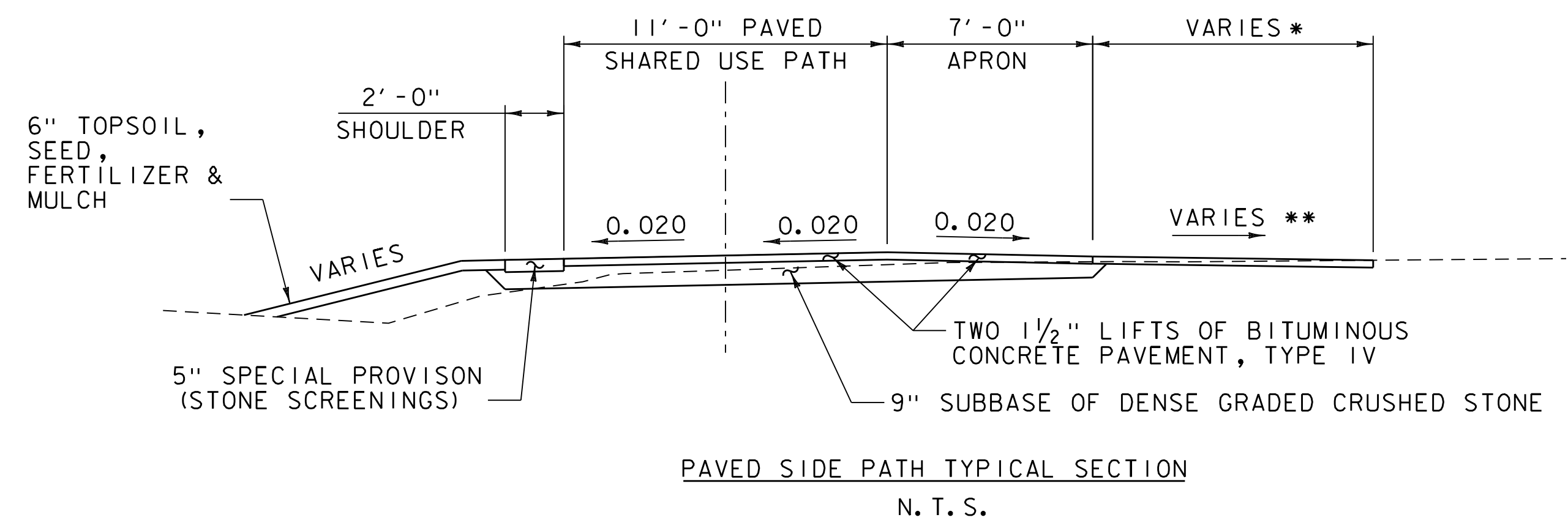
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME: 58109+yp.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: B.M. ROBERTS
TYPICAL SECTIONS (10 OF 2)

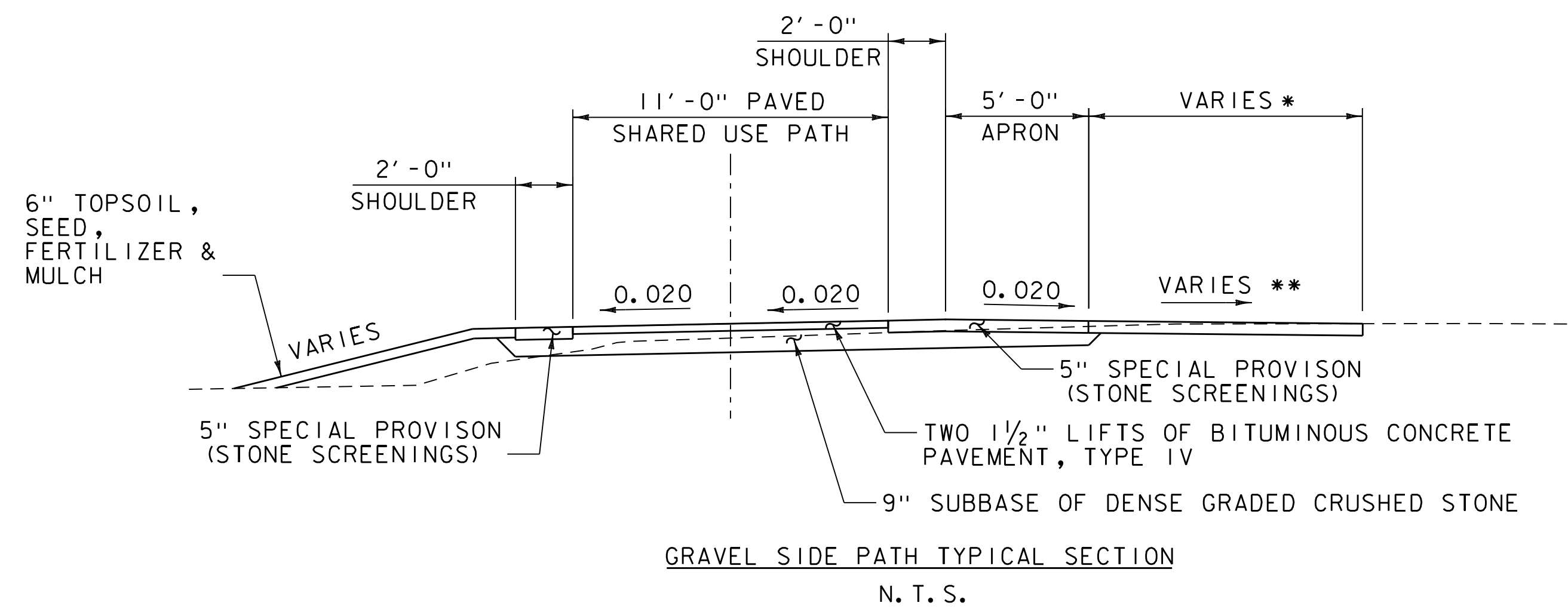
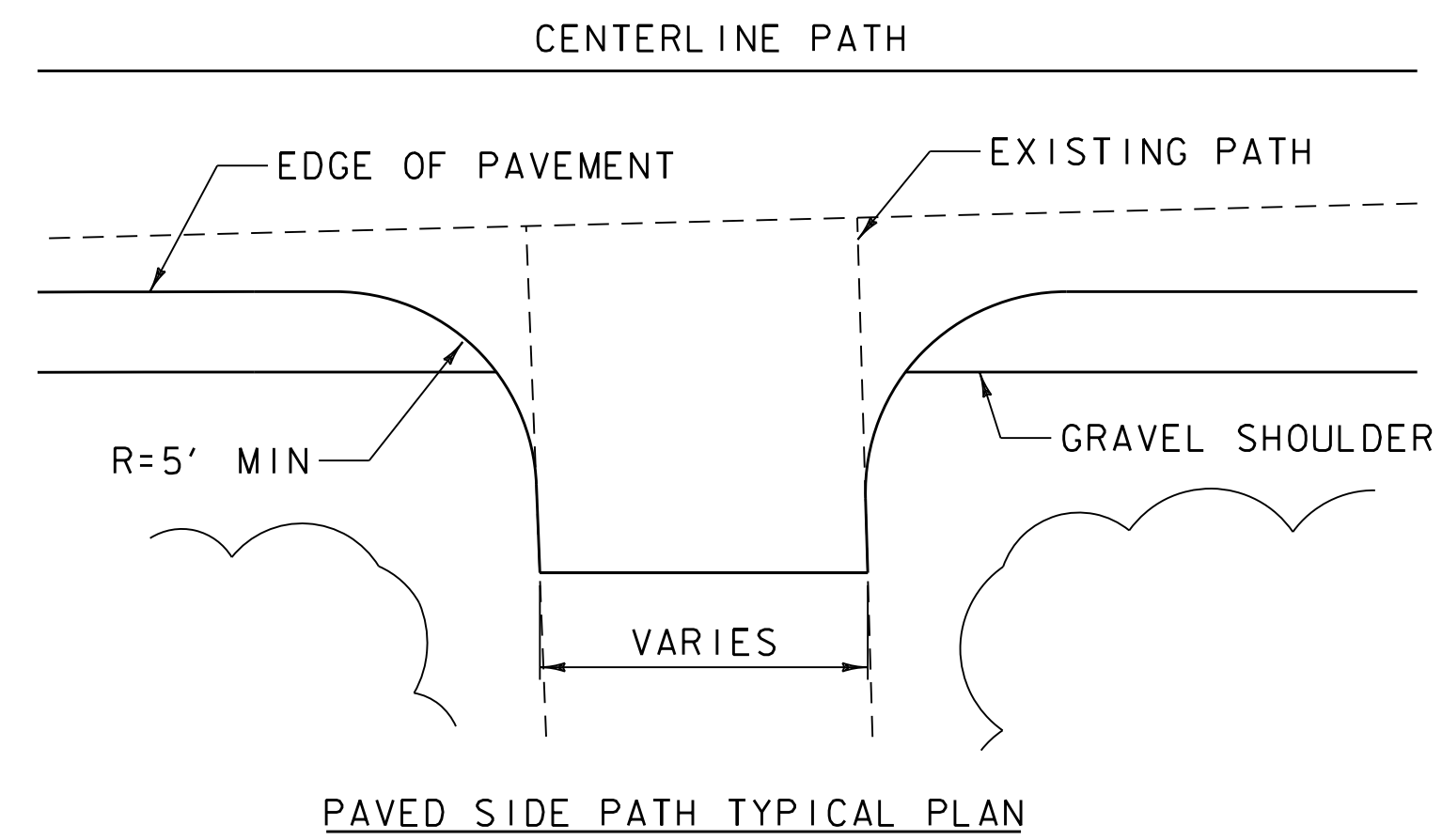
PLOT DATE: 2/19/2021
DRAWN BY: C.K. FORD
CHECKED BY: E.P. DETRICK
SHEET 5 OF 48



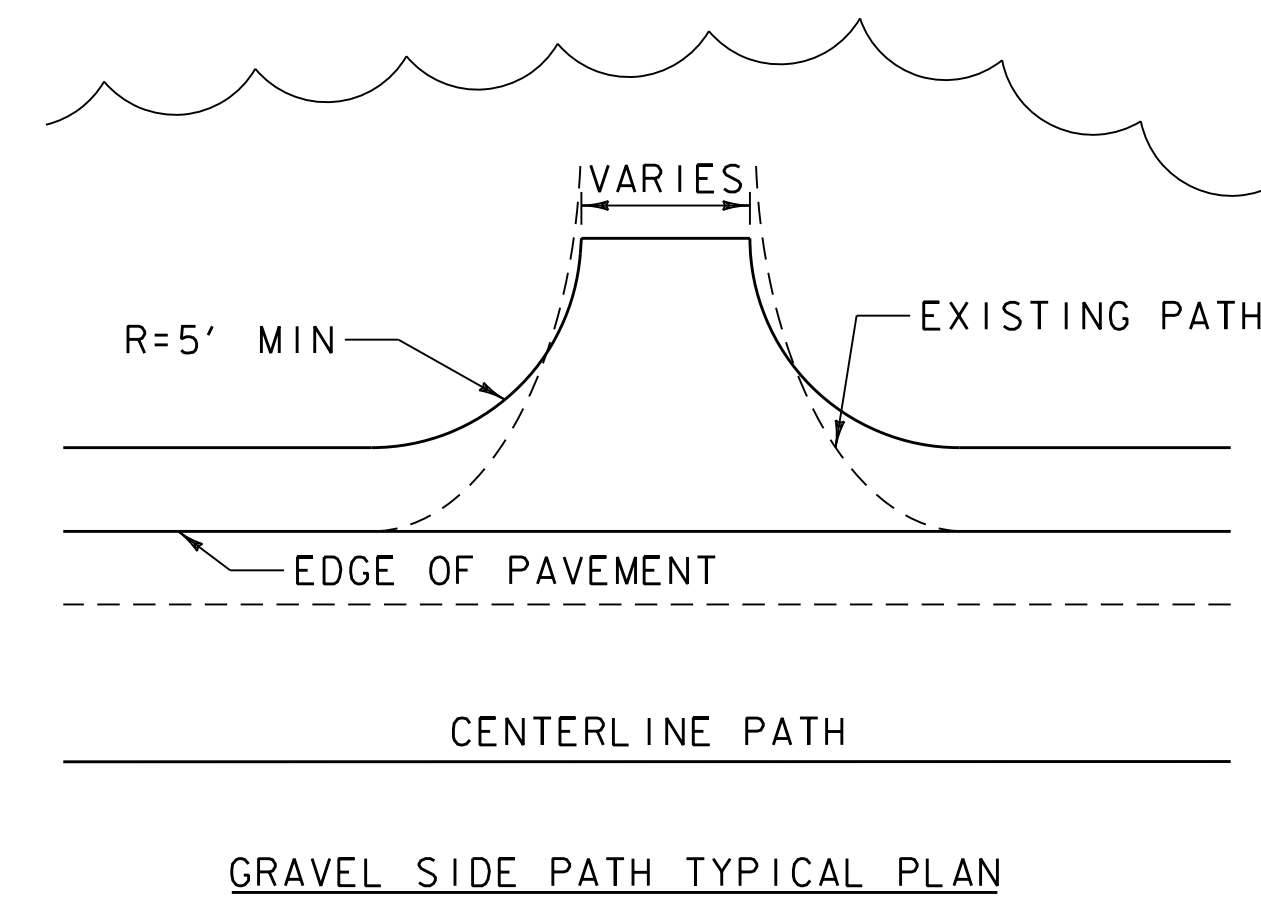
MATERIAL TOLERANCES	
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (FULL DEPTH)	+/- 1/4" (TOTAL THICKNESS)
SUBBASE	1/2"
SAND BORROW	1"



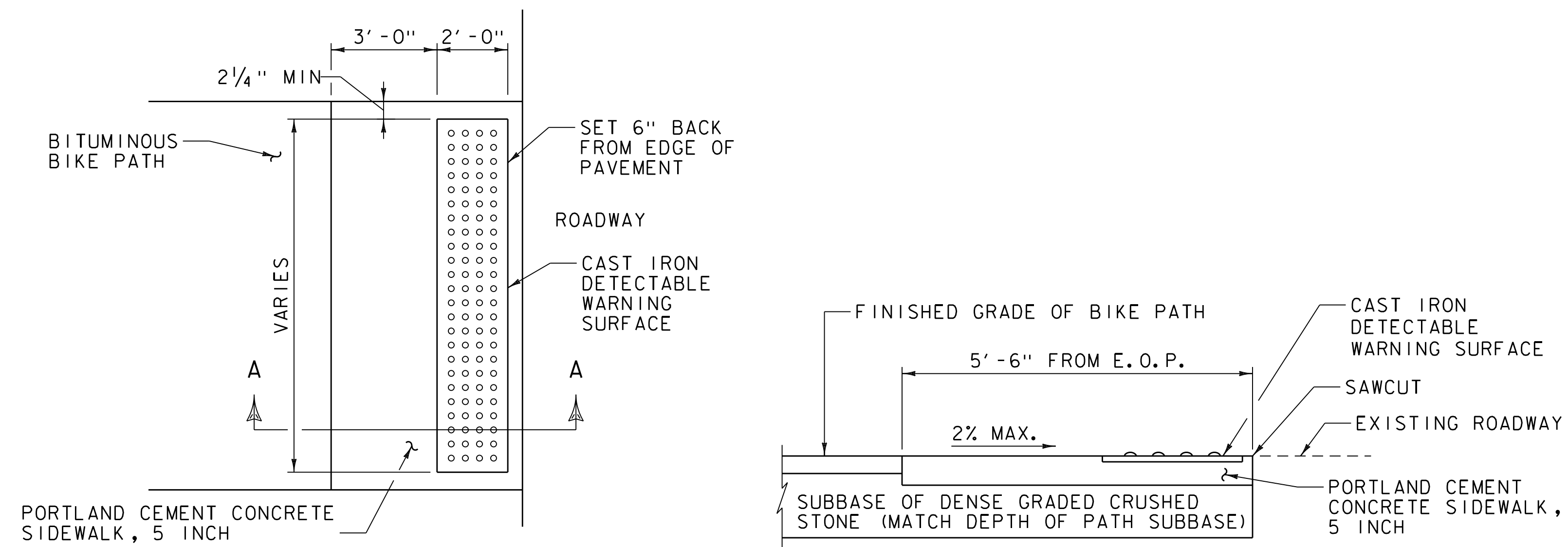
* RESIDENT ENGINEER TO DETERMINE LIMITS OF SIDE PATH
REQUIRED BEFORE MATCHING EXISTING.
** SLOPE TO BE TO BE DETERMINED BY RESIDENT ENGINEER.



* RESIDENT ENGINEER TO DETERMINE LIMITS OF SIDE PATH
REQUIRED BEFORE MATCHING EXISTING.
** SLOPE TO BE TO BE DETERMINED BY RESIDENT ENGINEER.

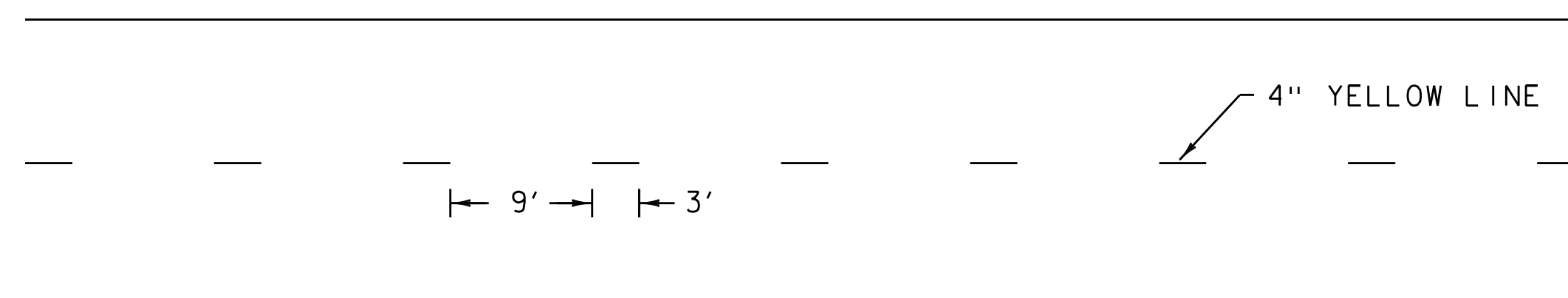


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109+typ.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
TYPICAL SECTIONS (2 OF 2)	SHEET 6 OF 48

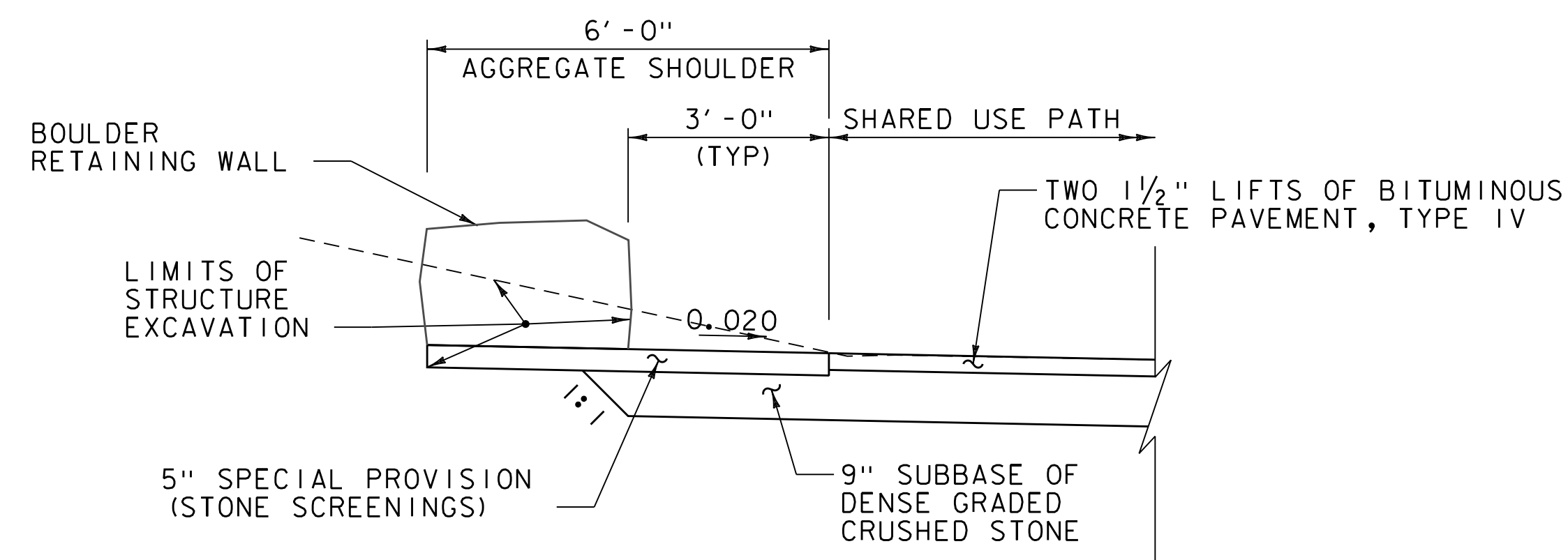


DETECTABLE WARNING SURFACE
N. T. S.

SECTION A-A
NOT TO SCALE



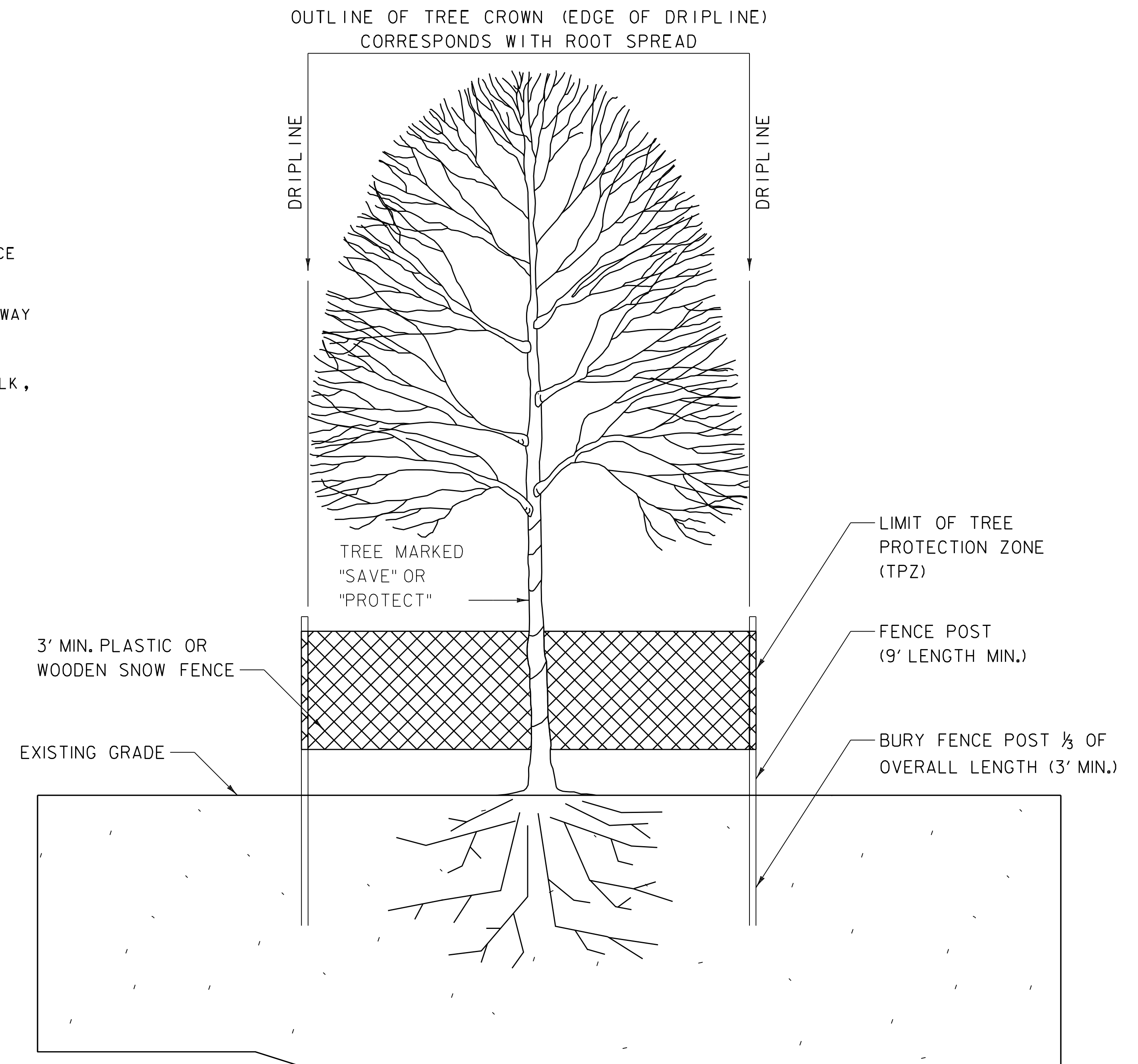
TYPICAL PATH CENTERLINE PAVEMENT MARKING
N. T. S.



BOULDER RETAINING WALL

N. T. S.
STA. 112+50 - 113+65, LT

NOTE: RETAINING WALL SHALL BE PAID FOR UNDER ITEM 900.670 "SPECIAL PROVISION (BOULDER RETAINING WALL)".

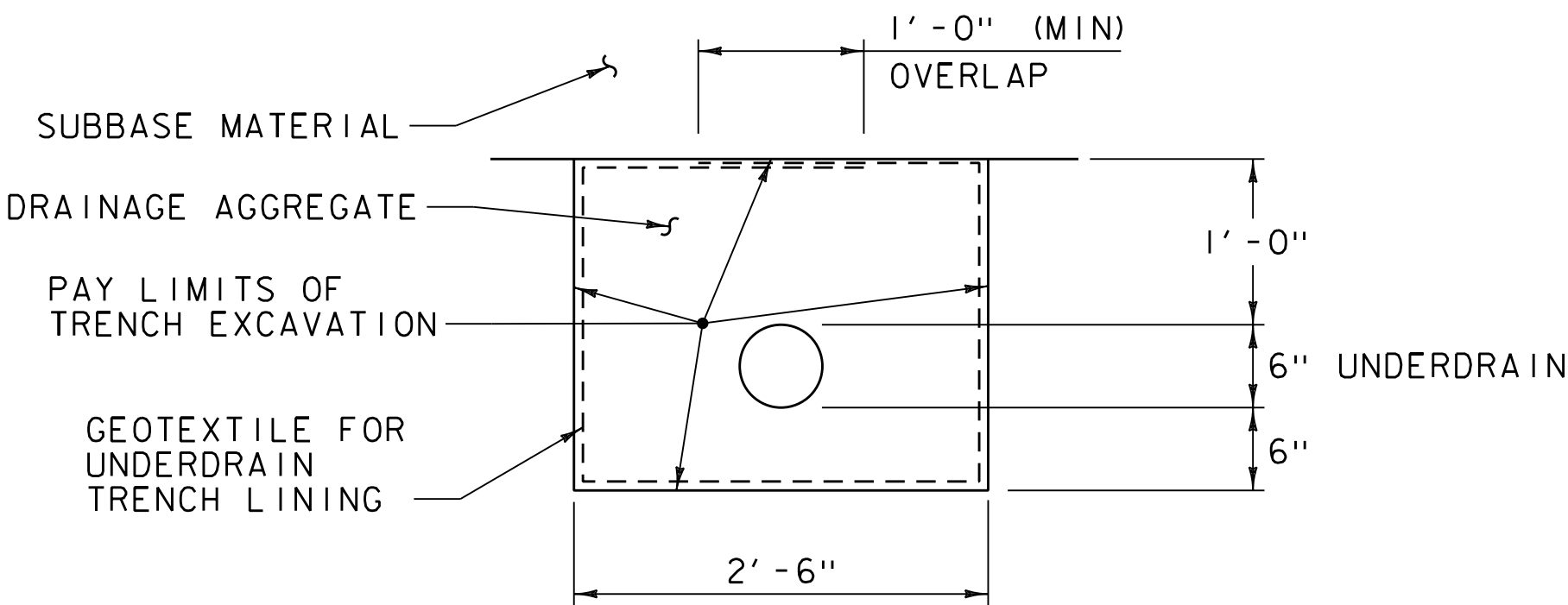


1. SEE VTRANS SPECIFICATION 656.11, TREE PROTECTION, FOR STEPS TO MINIMIZE SOIL AND ROOT DISTURBANCE AND GUIDANCE TO CONSTRUCT PROTECTION MEASURES FOR TREES CLOSE TO CONSTRUCTION AREAS.
2. NO WORK, NOR HEAVY EQUIPMENT STORAGE SHALL BE WITHIN A TREE PROTECTION ZONE.
3. ANY TREE ROOTS ENCOUNTERED WITHIN THE EXCAVATION LIMITS SHALL BE PRUNED AND TREES IDENTIFIED BY THE ENGINEER SHALL BE PROTECTED IN ACCORDANCE WITH, AND PAID FOR UNDER, SPECIAL PROVISION 900.645 (ROOT PRUNING AND TREE PROTECTION).
4. CITY ARBORIST OR BPRW REPRESENTATIVE CAN SPECIFY TREE PROTECTION IN THE DRIPLINE.

TREE PROTECTION
N. T. S.

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3A
PROJECT NUMBER:	58109.00
FILE NAME:	58109det.dgn
PROJECT LEADER:	E.P. DETRICK
DESIGNED BY:	B.M. ROBERTS
DETAIL SHEET (1 OF 2)	
PLOT DATE:	2/19/2021
DRAWN BY:	C.K. FORD
CHECKED BY:	E.P. DETRICK
SHEET	7 OF 48

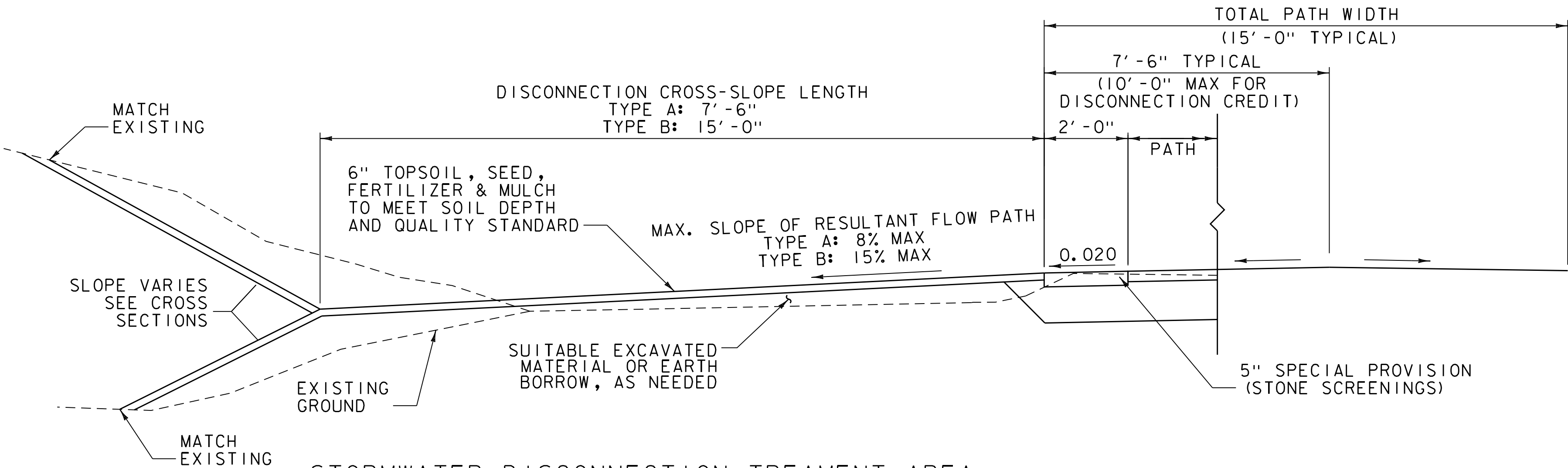




UNDERDRAIN DETAIL
N. T. S.

NOTE:

PAYMENT FOR GEOTEXTILE FOR UNDERDRAIN TRENCH LINING AND DRAINAGE AGGREGATE IS INCIDENTAL TO ITEM 605.10 "UNDERDRAIN PIPE, 6 INCHES".



STORMWATER DISCONNECTION TREATMENT AREA

N. T. S.

STA. 103+50 - STA. 110+00, RT
STA. 103+50 - STA. 106+00, LT
STA. 108+00 - STA. 110+00, LT
STA. 117+75 - STA. 122+25, RT
STA. 120+00 - STA. 122+50, LT
STA. 125+50 - STA. 127+00, RT

NOTES:

1. WHEN GRADING FOR DISCONNECTION AREAS, THE CONTRACTOR SHALL NOT DISTURB THE GROUND WITHIN 4' OF THE TRUNK BASE FOR ALL TREES WITH A DIAMETER OF 6" OR GREATER AND INTEND TO REMAIN THROUGH CONSTRUCTION.

DISCONNECTION CREDIT REQUIREMENTS

1. THE MAXIMUM CONTRIBUTING FLOW PATH LENGTH ACROSS THE CONTRIBUTING IMPERVIOUS AREA TO A DISCHARGE LOCATION SHALL BE 75 FEET OR LESS.
2. THE AMOUNT OF CONTRIBUTING IMPERVIOUS AREA TO ANY POINT DISCHARGE LOCATION CANNOT EXCEED 1,000 SF.
3. THE LENGTH OF THE "DISCONNECTION" SHALL BE EQUAL TO OR GREATER THAN THE CONTRIBUTING IMPERVIOUS FLOW PATH LENGTH FOR SLOPES 8% OR LESS, AND TWICE THE IMPERVIOUS FLOW PATH LENGTH FOR SLOPES 8% - 15%.
4. RUNOFF CANNOT COME FROM A DESIGNATED HOTSPOT LAND USE.

SOIL DEPTH AND QUALITY STANDARD

THESE REQUIREMENTS APPLY TO ALL DISTURBED AREAS WITHIN THE LIMITS OF THE SITE WHICH ARE NOT COVERED BY AN IMPERVIOUS SURFACE, INCORPORATED INTO A STRUCTURAL STORMWATER TREATMENT PRACTICE, OR ENGINEERED AS STRUCTURAL FILL ONCE DEVELOPMENT IS COMPLETE. FOR THIS PROJECT THESE AREAS INCLUDE THE DISCONNECTION AREAS DISTURBED DURING PATH CONSTRUCTION. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER TURF AREAS. ANY AREAS NOT DESCRIBED ABOVE WHICH ARE DISTURBED OR COMPACTED DURING CONSTRUCTION SHALL ALSO BE SUBJECT TO THESE REQUIREMENTS.

ALTERNATIVELY, TO LEAVING EXISTING TOPSOIL IN PLACE WITHOUT DISTURBING OR COMPACTING IT, THERE ARE THREE METHODS THAT MAY BE USED TO SATISFY THESE REQUIREMENTS.

1. AMEND EXISTING TOPSOIL IN PLACE
 - A. SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO THE DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 8 INCHES OF UNCOMPACTED SOIL AFTER A CALCULATED AMOUNT OF AMENDMENT IS ADDED.
 - B. AMEND THE SOIL TO MEET THE ORGANIC CONTENT REQUIREMENTS. ORGANIC MATERIAL MAY BE PLACED AT A PRE-APPROVED RATE OF 1 INCH WITH AN ORGANIC MATTER CONTENT OF 40-65% AND ROTOTILLED INTO 3 INCHES OF SOIL OR AT A CALCULATED RATE ROTOTILLED INTO A DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT.
2. REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING
 - A. TOPSOIL SHOULD BE STOCKPILED ON SITE IN A CONTROLLED AREA AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS.
 - B. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
 - C. STOCKPILED TOPSOIL SHALL ALSO BE AMENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT REQUIREMENTS IDENTIFIED ABOVE.
 - D. REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING AND RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER.
 - E. WATER OR ROLL SOILS IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

3. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH
 - A. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
 - B. PLACE 4 INCHES OF IMPORTED TOPSOIL MIX THAT CONTAINS 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA.
 - C. RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS GREATER THAN 2 INCHES IN DIAMETER.
 - D. WATER OR ROLL SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND EXECUTING A PLAN FOR VERIFYING THAT THESE AREAS HAVE MET THIS STANDARD. THIS PLAN SHOULD INCLUDE A MINIMUM OF 9 TEST HOLES PER ACRE OF AREA SUBJECT TO THIS STANDARD. THESE TEST HOLES SHALL BE EXCAVATED TO 8 INCHES USING ONLY A SHOVEL DRIVEN SOLELY BY THE WEIGHT OF THE INSPECTOR AND SHALL BE A MINIMUM OF 50 FEET APART.

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3A	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109det.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
DETAIL SHEET (2 OF 2)	SHEET 8 OF 48



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
									FLYNN AVE PAUSE PLACE	BIKE/TRANSP ORTATION PATH	AUSTIN DRIVE GATEWAY	OAKLEDGE PARK PARKING LOT	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
										1			1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10				
										9			9		EACH	REMOVING MEDIUM TREES	201.15				
								440		1600	50		2090		CY	COMMON EXCAVATION	203.15				
										240			240		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28				
										10			10		CY	EARTH BORROW	203.30				
								60		410	15	20	505		CY	SAND BORROW	203.31				
								35		40			75		CY	TRENCH EXCAVATION OF EARTH	204.20				
								40					40		CY	STRUCTURE EXCAVATION	204.25				
								30					30		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30				
										30			30		SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.10				
								140					140		CY	SUBBASE OF DENSE GRADED CRUSHED STONE (PERMEABLE SUBBASE)	301.35				
								130		1200	25	19	1374		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35				
											5		5		CY	AGGREGATE SURFACE COURSE	401.10				
										15			15		CWT	EMULSIFIED ASPHALT	404.65				
										580			580		TON	MARSHALL BITUMINOUS CONCRETE PAVEMENT	406.25				
								790					790		LB	REINFORCING STEEL, LEVEL I	507.11				
								15					15		CY	CONCRETE, CLASS B	541.25				
										45			45		LF	12" CPEP(SL)	601.2605				
										2			2		EACH	12" CPEPES	601.7005				
										25			25		LF	RE-LAYING PIPE CULVERTS (12" CPEP(SL))	601.99				
								166					166		LF	UNDERDRAIN PIPE, 6 INCHES	605.10				
										180			180		MGAL	DUST CONTROL WITH WATER	609.10				
										220			220		LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28				
								160		140	10	80	390		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10				
										28			28		SF	DETECTABLE WARNING SURFACE	618.30				
										1			1		LS	MOBILIZATION/DEMOBILIZATION	635.11				
										1			1		LS	TRAFFIC CONTROL	641.10				
										700			700		LF	4 INCH YELLOW LINE, WATERBORNE PAINT	646.2111				
										2860			2860		SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.11				
										620			620		LB	SEED	651.15				
										1770			1770		LB	FERTILIZER	651.18				
										8			8		TON	AGRICULTURAL LIMESTONE	651.20				
										1500			1500		CY	TOPSOIL	651.35				
										8			8		TON	HAY MULCH	653.10				
										520			520		SY	ROLLED EROSION CONTROL PRODUCT, TYPE I	653.20				
										50			50		LF	SILT FENCE, TYPE I	653.475				
										1120			1120		LF	SILT FENCE, TYPE II	653.476				
										1330			1330		LF	BARRIER FENCE	653.50				
										3680			3680		LF	PROJECT DEMARCATION FENCE	653.55				
												6	6		EACH	DECIDUOUS TREES	656.30				



QUANTITY SHEET 2

[illegible]

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER:	58109.01

FILE NAME: 58I09qss.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
QUANTITY SUMMARY SHEET (2 OF 2)	SHEET 10 OF 48



SEGMENT 1

POINT	STATION	NORTHING	EASTING
POT	100+15.27	712045.96	1450636.77
POC	127+00.00	714136.37	1451295.94

SEGMENT 1 EXTENDS FROM AUSTIN DRIVE
TO BLANCHARD BEACH.
LENGTH OF SEGMENT 1 = 3659.46 FT

LEGEND

POB POINT OF BEGINNING ALIGNMENT
POE POINT OF END ALIGNMENT

NOTES:

BASELINE STATIONING IS NOT CONTINUOUS.
EQUALITIES HAVE BEEN INCORPORATED INTO THE
BASELINE STATIONING. SEE LAYOUT SHEETS FOR
EQUALITY INFORMATION AND CURVE DATA.

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME: 58109ali_pt.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
ALIGNMENT POINTS SHEET	SHEET II OF 48



CURVE (3)
DELTA = 35° 51' 00"
D = 15° 41' 51" (1) D = 1° 08' 45" (2)
R = 365.00' (1) R = 5000.00' (2)
T = 146.97' (1) T = 490.38' (2)
L = 197.18' (1) L = 427.42' (2)
E = 28.48'

SPECIAL PROVISION
(BURLINGTON GREENWAY SIGN -
IDENTIFICATION SIGN)
STA 100+53, LT

DETECTABLE
WARNING SURFACE
STA 100+17

SEGMENT 1 POB STA 100+00.00

STA 100+21, LT

BEGIN PROJECT
STA. 100+15.27

— REMOVE OAKLEDGE PARK
SIGN AND RESET AT
STA 100+70, RT

— 11' PAVED PATH WITH
2' AGGREGATE
SHOULDERS ON BOTH
SIDES

REMOVE 3 MAPLE TREES
AND 1 ASH TREE
(INCIDENTAL TO ITEM
201.10)

PROTECT TREES —

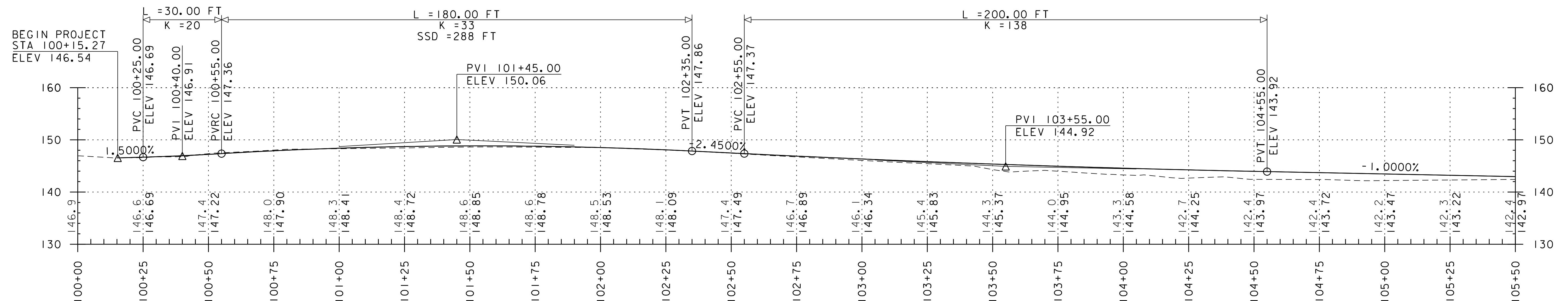
REMOVE EXISTING
PAVEMENT. TOPSOIL,
SEED, AND MULCH

CURVE (2)
DELTA = 6°02'37"
D = 28°38'52"
R = 200.00'
T = 10.56'
L = 21.10'
E = 0.28'

CURVE (1)
DELTA = 50° 31' 50"
D = 163° 42' 08"
R = 35.00'
T = 16.52'
L = 30.87'
E = 3.70'

— REMOVE 1 POTENTIAL
ROOST TREE (PRT)
AND 6 OTHER TREES
(INCIDENTAL TO ITEM
201.10)

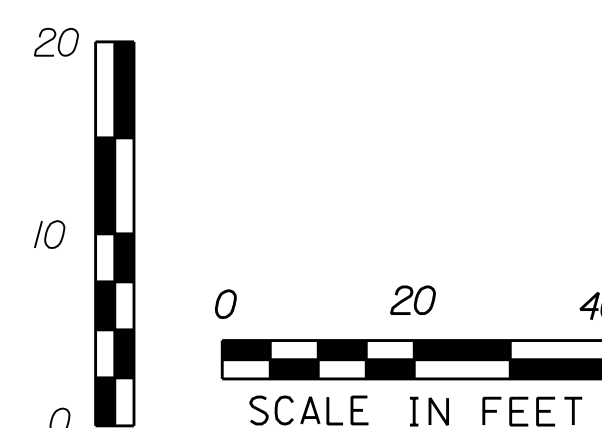
SIGNING LEGEND
N = NEW SIGN
R&R = REMOVE AND RESET



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)

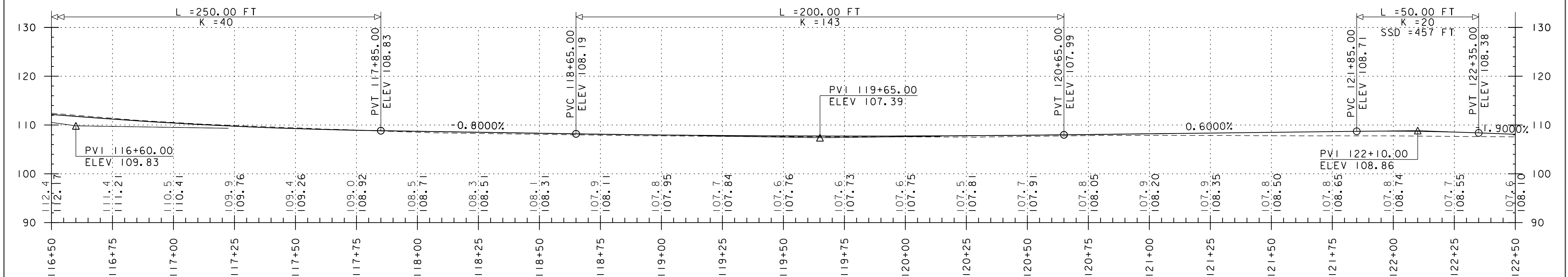
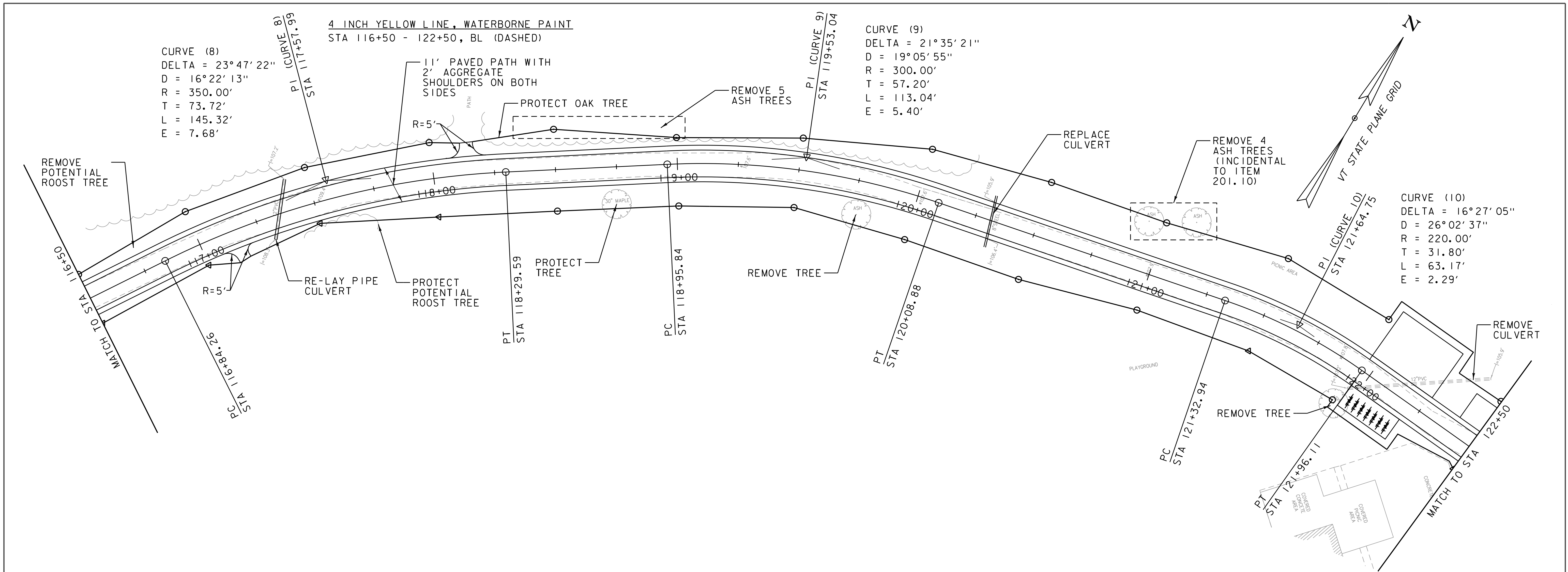


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME: 58I09bdr_nul.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 1 OF 5)	SHEET 12 OF 48



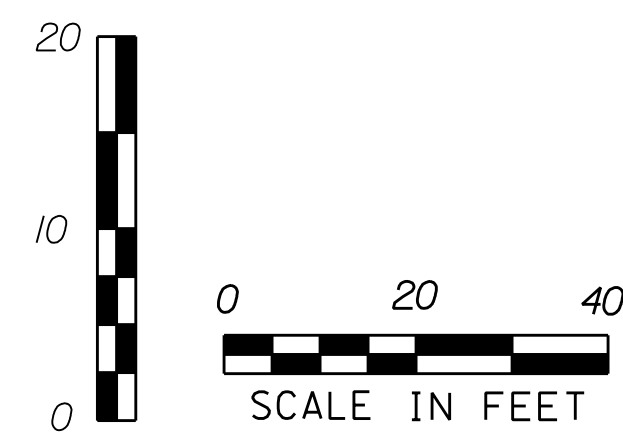
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58I09.0I	
FILE NAME: 58I09bdr_nul.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 2 OF 5)	SHEET 13 OF 48



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME: 58109bdr_nul.dgn
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: C.K.FORD
PLAN AND PROFILE (SHEET 4 OF 5)

PLOT DATE: 2/19/2021
DRAWN BY: C.K.FORD
CHECKED BY: E.P.DETRICK
SHEET 15 OF 48

4 INCH YELLOW LINE, WATERBORNE PAINT
STA 122+50 - 123+07, BL (DASHED)
STA 123+57 - 127+00, BL (DASHED)

UNDERDRAIN PIPE, 6 INCHES
STA 122+75, LT - 123+46, RT
STA 122+97 - 123+68, LT

DETECTABLE WARNING SURFACE
STA 123+25 - 123+41, RT

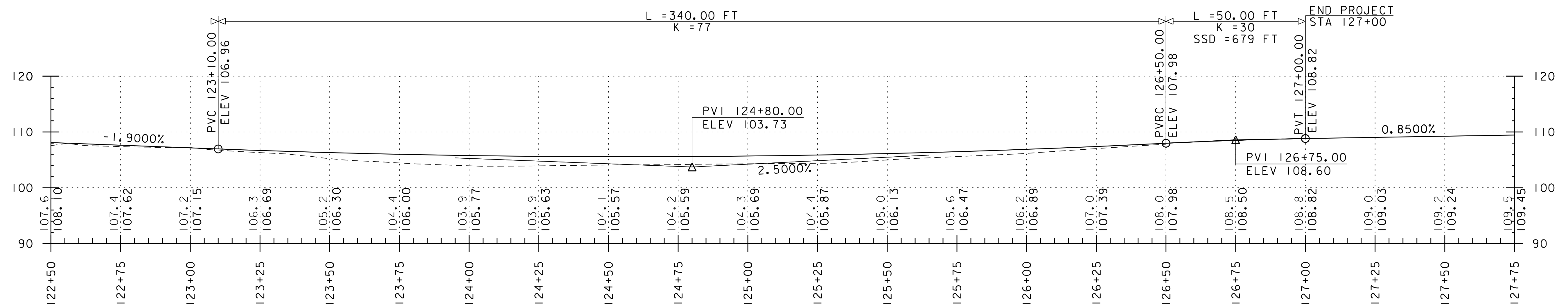
SPECIAL PROVISION (BURLINGTON GREENWAY
SIGN - IDENTIFICATION SIGN)
STA 122+85, RT
STA 123+81, LT

END PROJECT
STA. 127+00.00

CURVE (13)
DELTA = 21°13'22"
D = 28°38'52"
R = 200.00'
T = 37.47'
L = 74.08'
E = 3.48'

CURVE (12)
DELTA = 22°57'06"
D = 22°55'06"
R = 250.00'
T = 50.75'
L = 100.15'
E = 5.10'

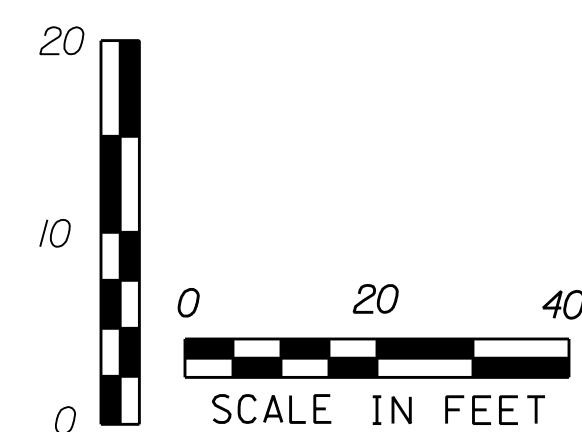
CURVE (11)
DELTA = 52°23'11"
D = 31°49'52"
R = 180.00'
T = 88.54'
L = 164.58'
E = 20.60'



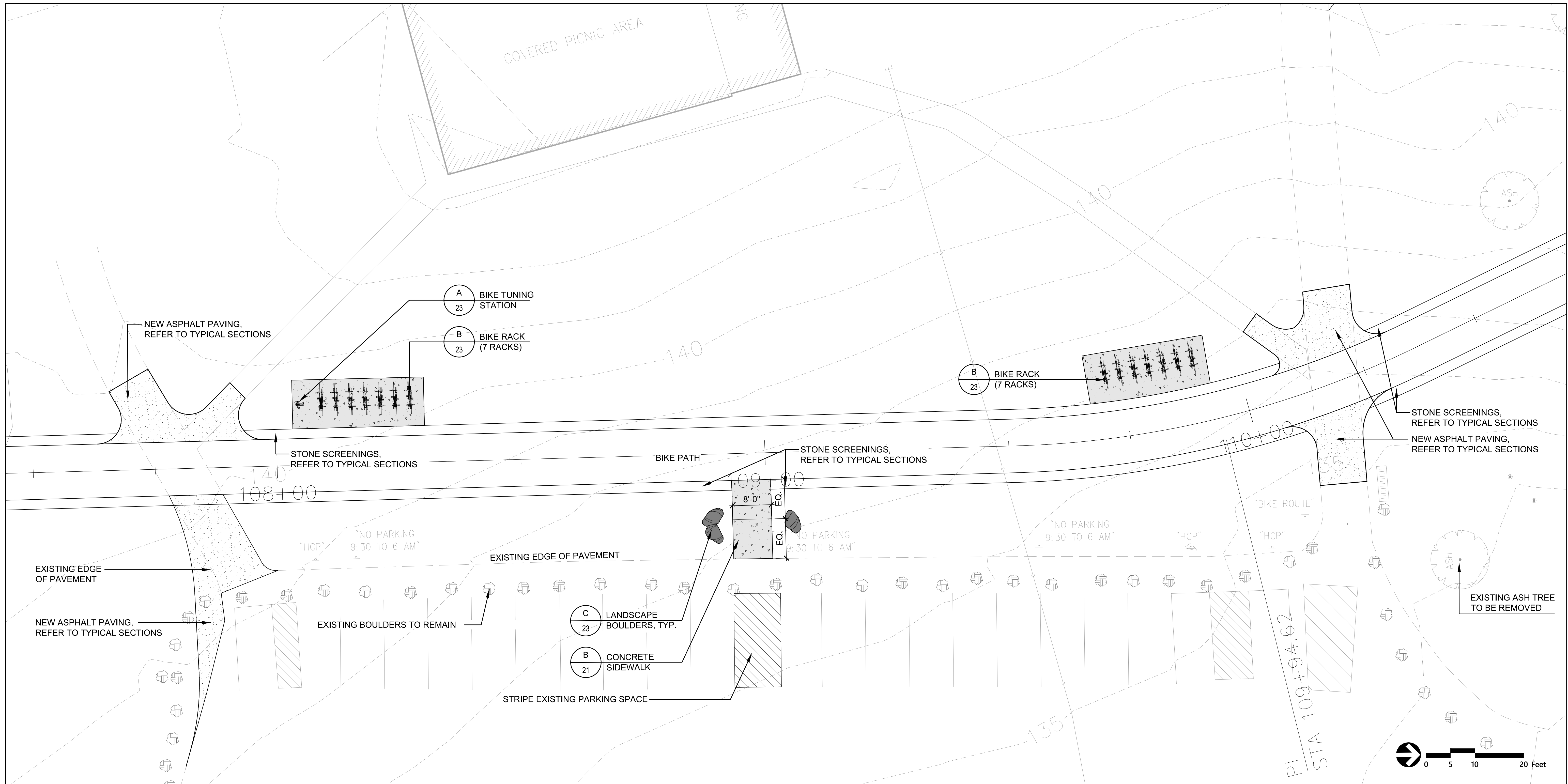
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)

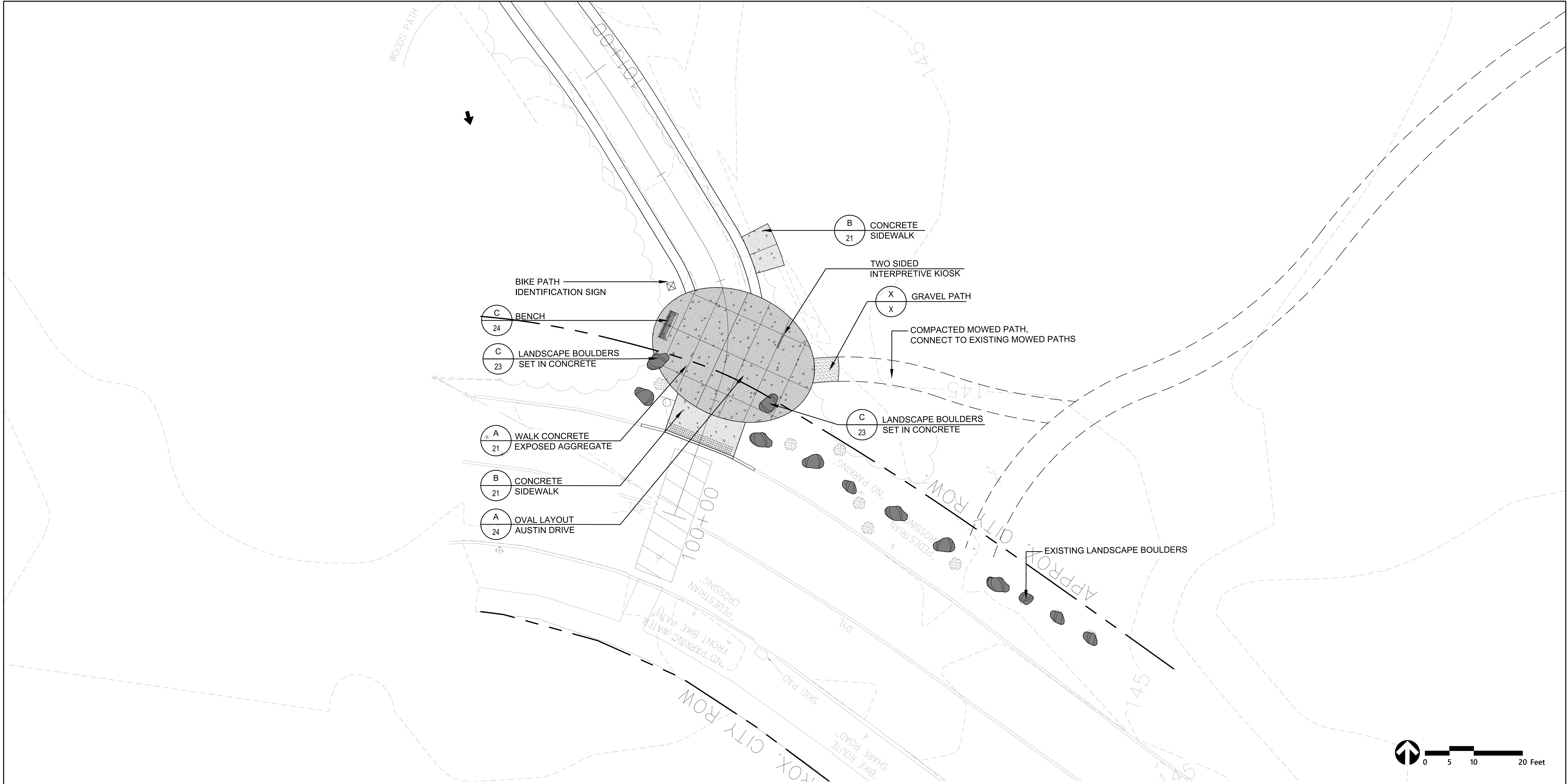


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 5 OF 5)	SHEET 16 OF 48



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME:	PLOT DATE: 02/18/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLARD
DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRICK
LANDSCAPE LAYOUT PLAN	SHEET 18 OF 48



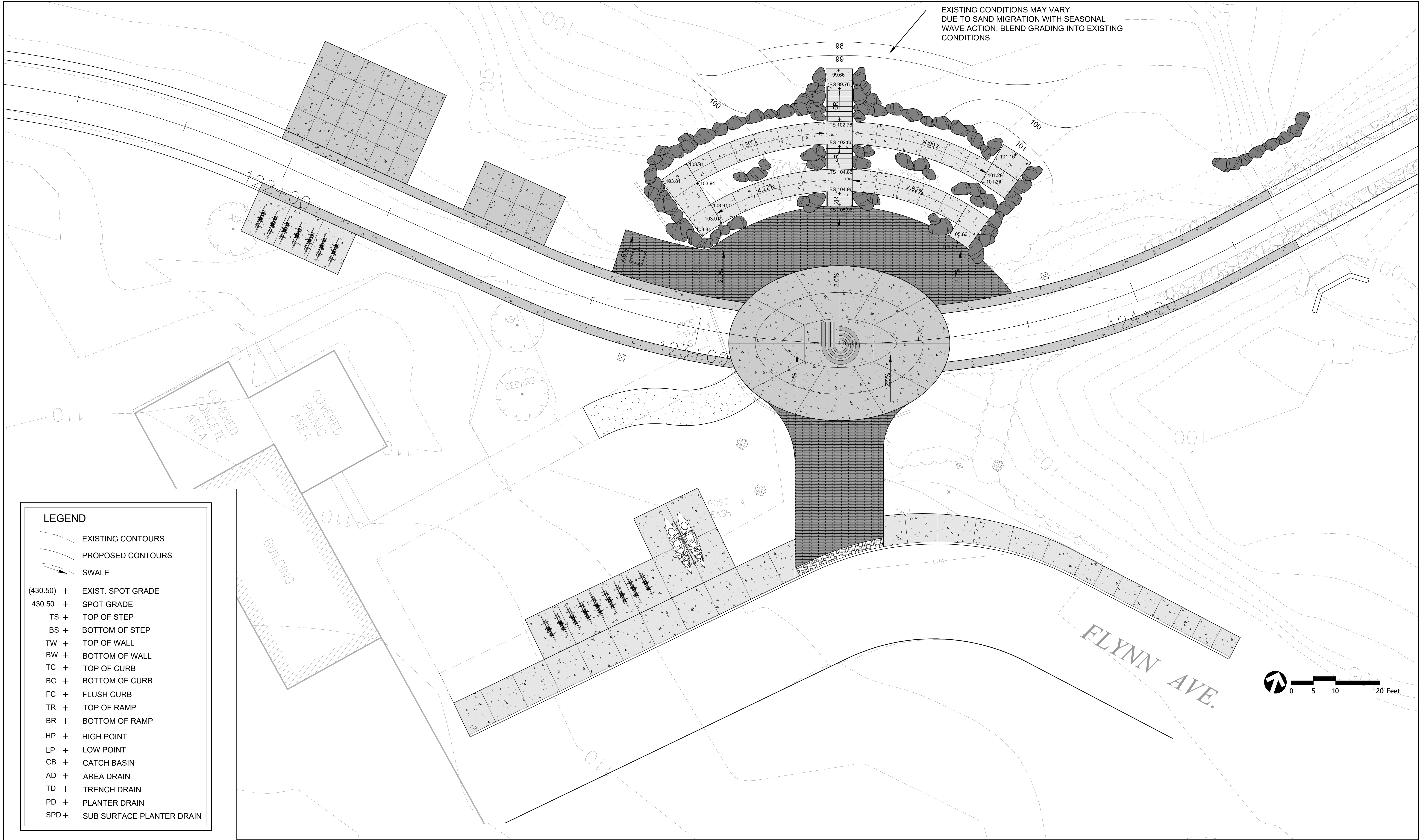


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME:
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: M.K.WILLARD
LANDSCAPE LAYOUT PLAN

PLOT DATE: 02/18/2021
DRAWN BY: M.K.WILLARD
CHECKED BY: E.P.DETRICK
SHEET 19 OF 48





PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

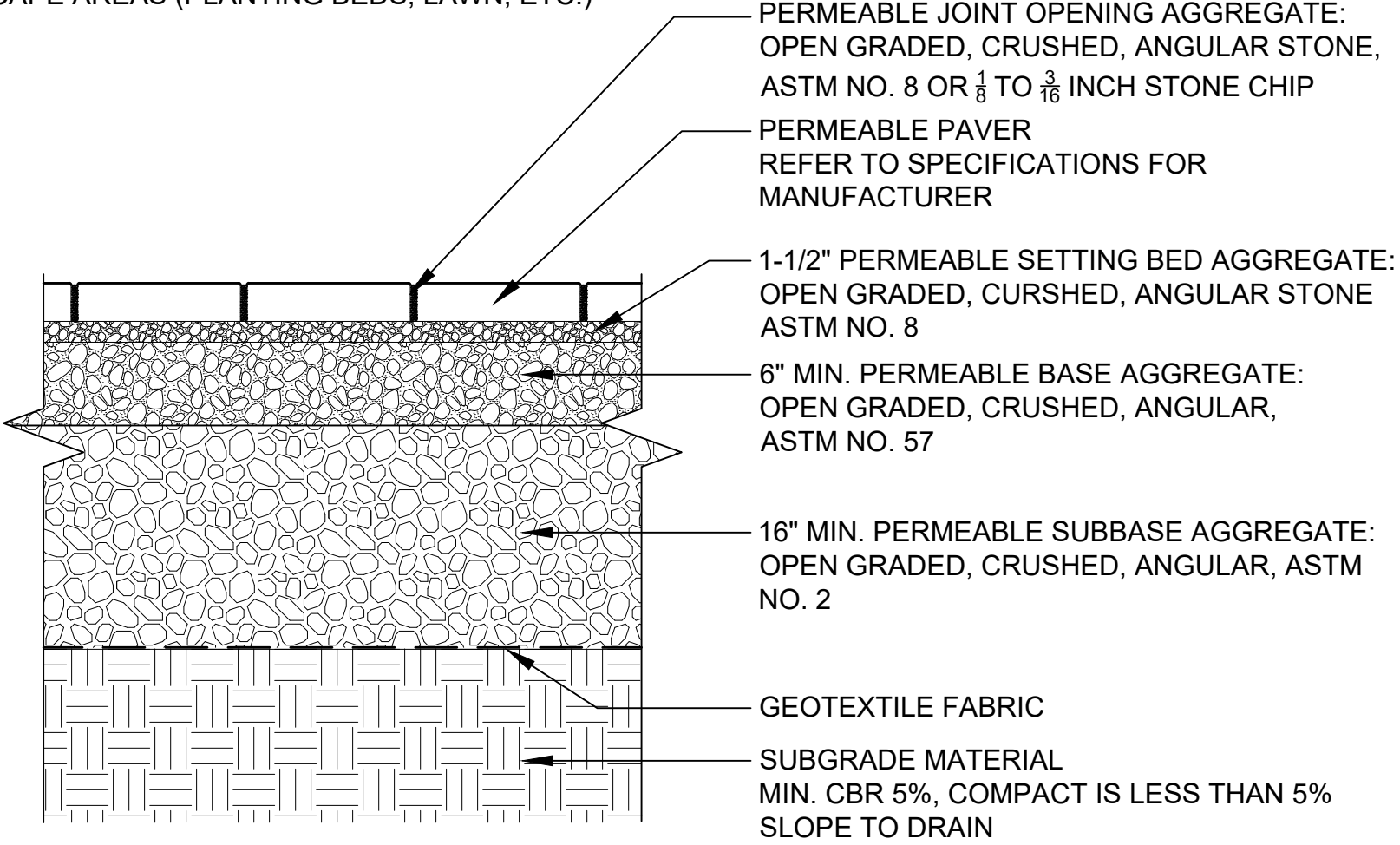
FILE NAME:
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: M.K.WILLARD
GRADING PLAN

PLOT DATE: 02/18/2021
DRAWN BY: M.K.WILLARD
CHECKED BY: E.P.DETRICK
SHEET 20 OF 48



NOTES:

1. CONTRACTOR SHALL INSTALL A PAVER EDGE RESTRAINT WHEN PAVERS ARE NEXT TO SOFTSCAPE AREAS (PLANTING BEDS, LAWN, ETC.)

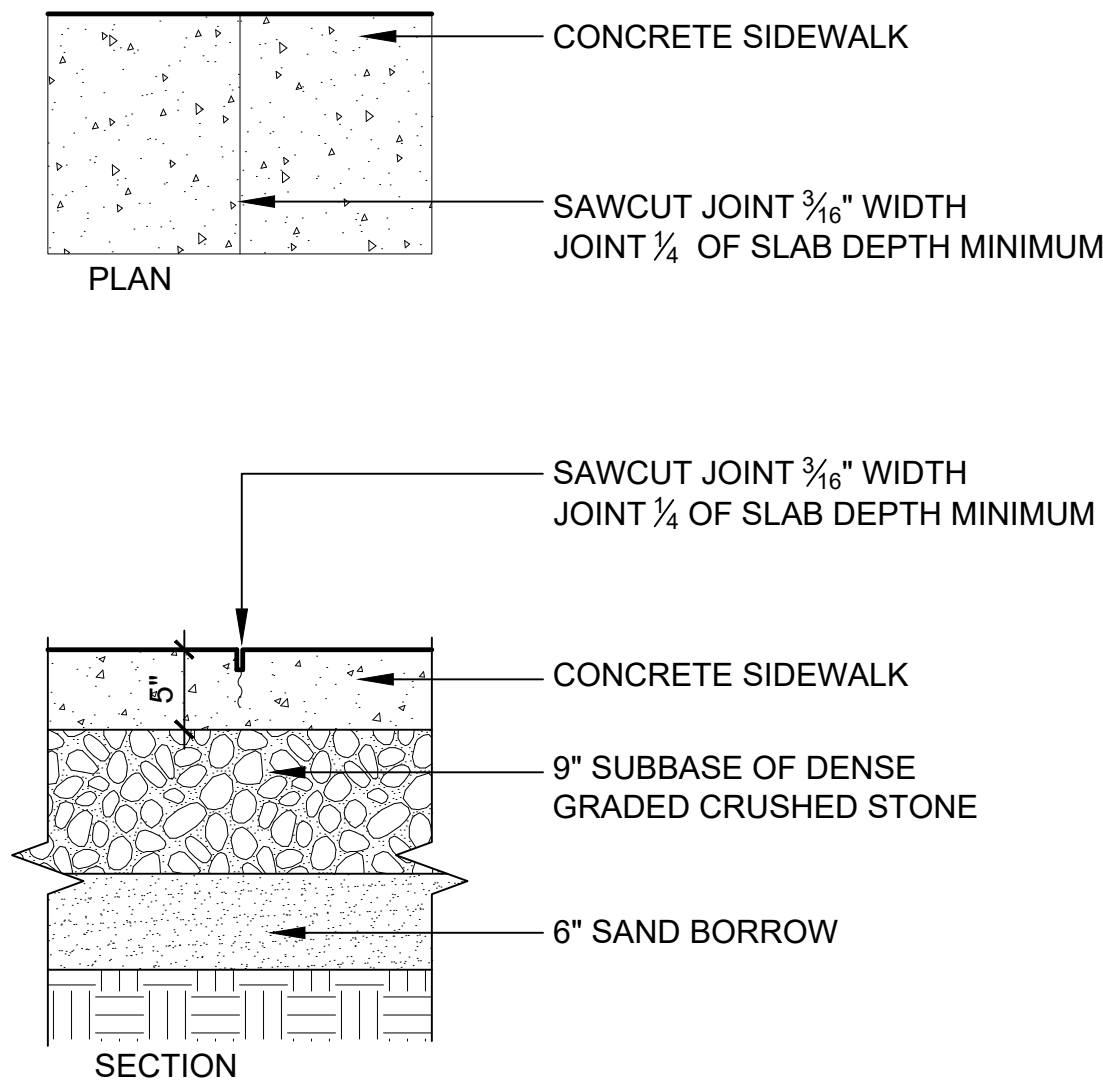


C SPECIAL PROVISION (PERMEABLE PAVERS)

SCALE 1" = 1'-0"

NOTES:

1. CONSTRUCT SUBBASE BASED ON "PATH TYPICAL SECTION", REFER TO TYPICAL SECTIONS

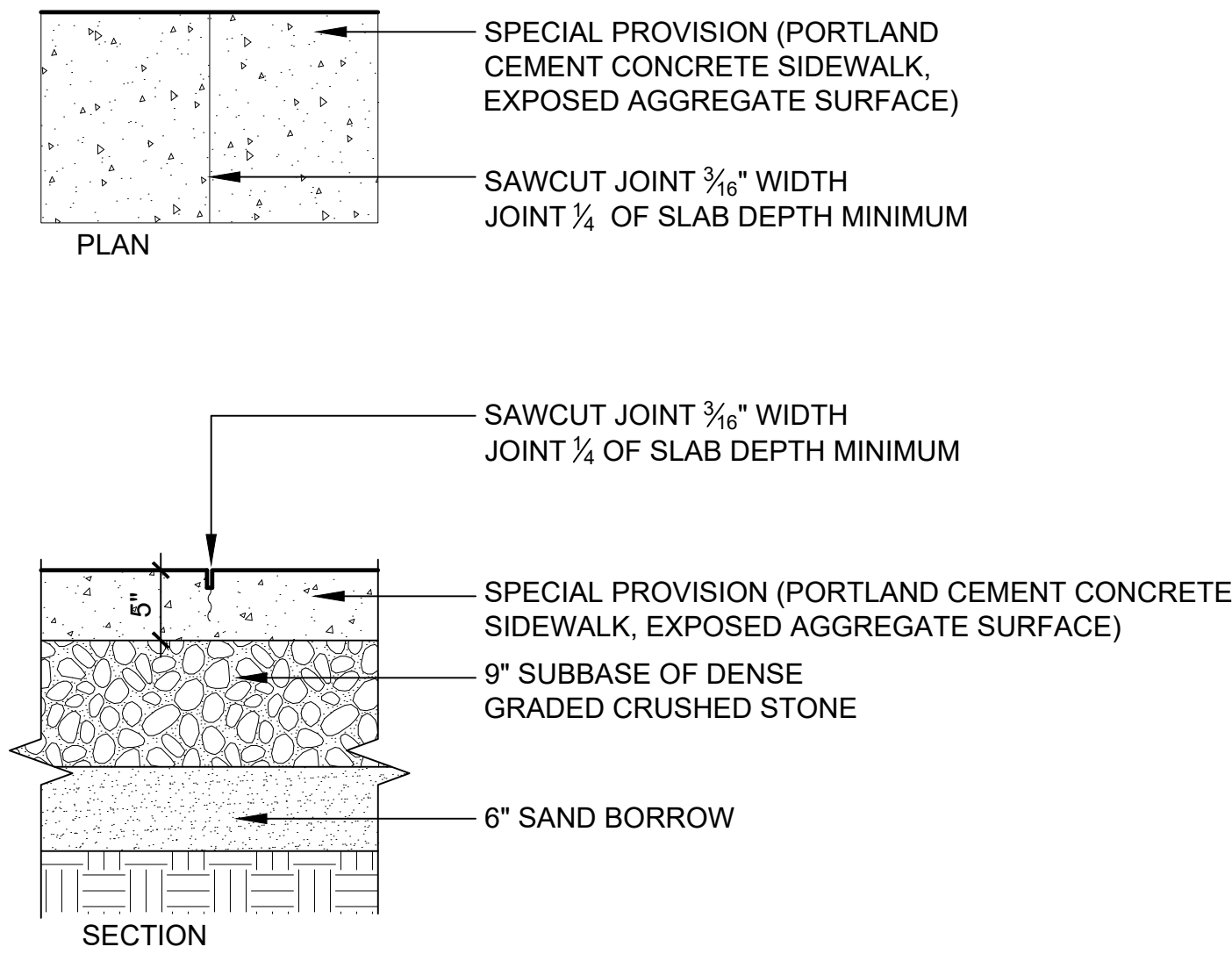


B CONCRETE SIDEWALK

SCALE 1" = 1'-0"

NOTES:

1. CONSTRUCT SUBBASE BASED ON "PATH TYPICAL SECTION", REFER TO TYPICAL SECTIONS

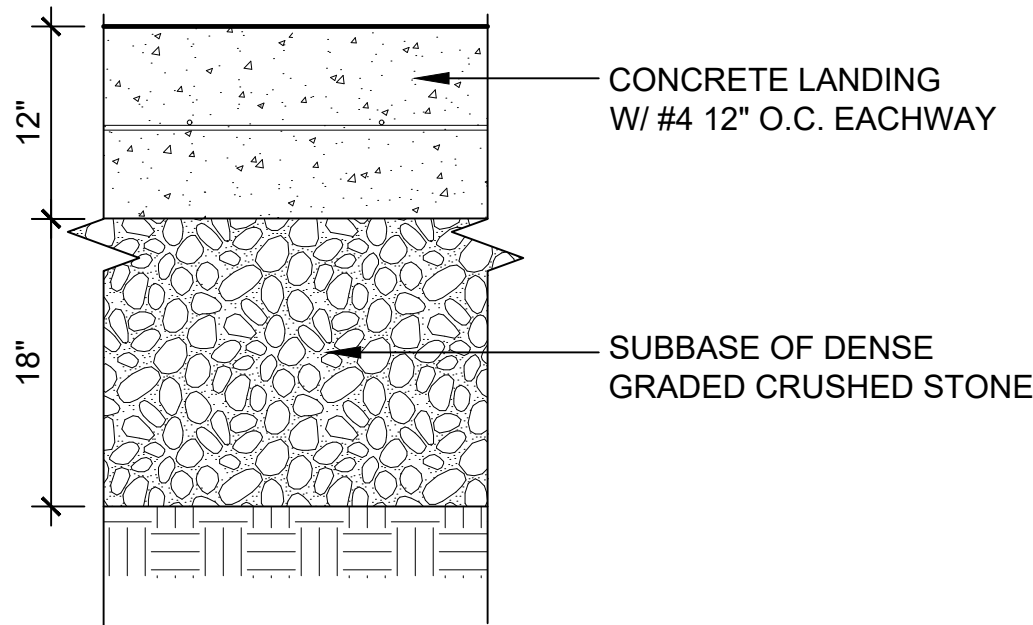


A SPECIAL PROVISION (PORTLAND CEMENT CONCRETE SIDEWALK, EXPOSED AGGREGATE SURFACE)

SCALE 1" = 1'-0"

NOTES:

1. REFER TO LAYOUT PLANS FOR LOCATION AND DIMENSIONS OF LANDING.
2. DOWEL EACH LANDING TO THE NEIGHBORING STAIR FOUNDATION OR CONCRETE WALK, REFER TO ISOLATION JOINT DETAIL.



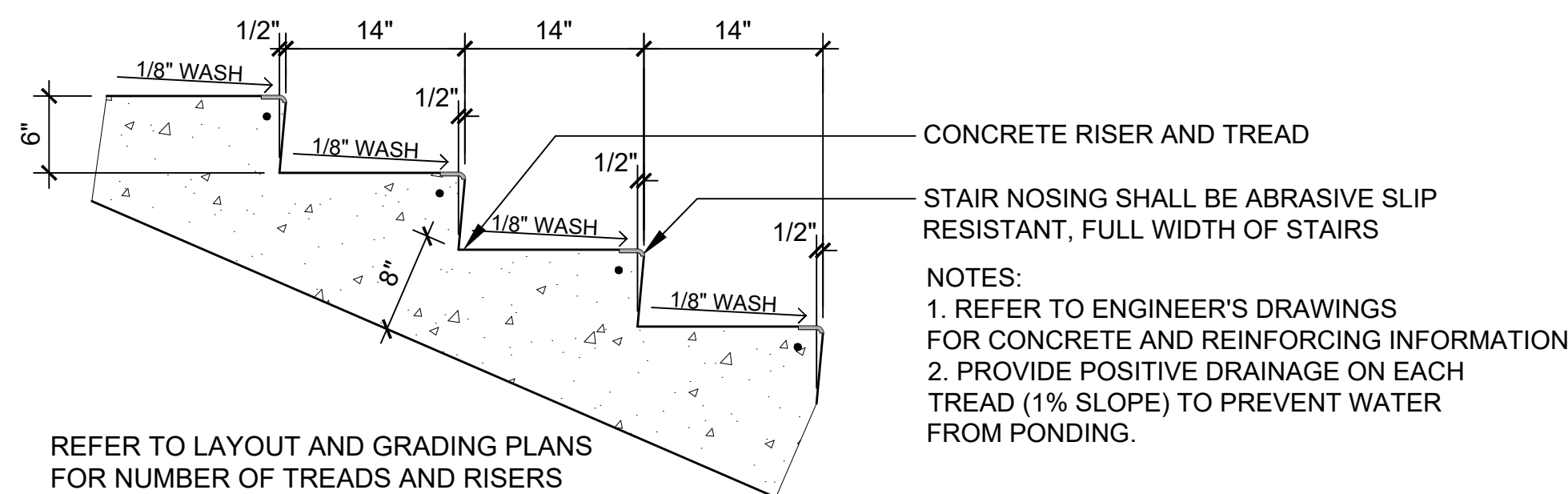
D CONCRETE LANDING

SCALE 1" = 1'-0"

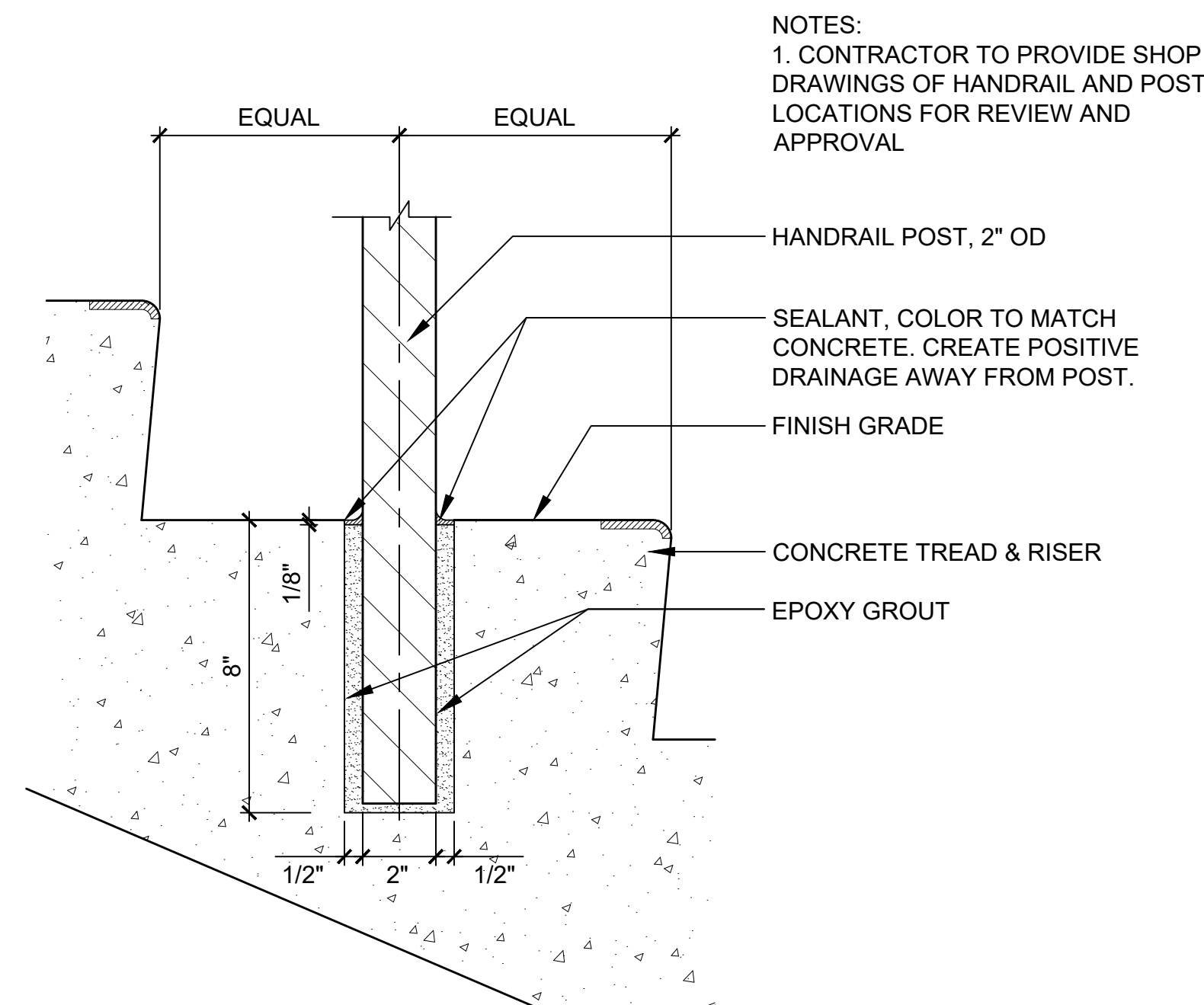
E



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME:	PLOT DATE: 02/18/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLARD
DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRICK
LANDSCAPE DETAILS	SHEET 21 OF 48

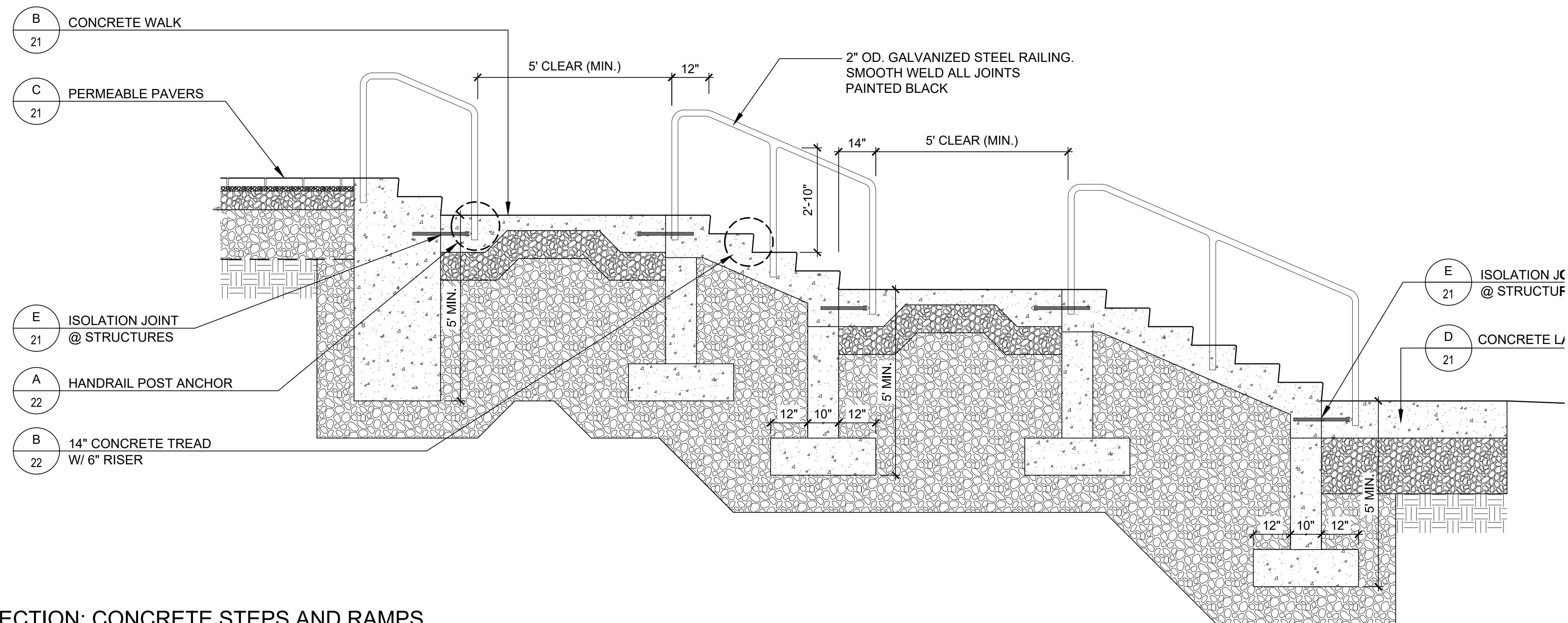


B 14" CONCRETE TREAD W / 6" RISER
SCALE 1" = 1'-0"



A HANDRAIL POST ANCHOR
SCALE 3" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL VERIFY NUMBER OF TREADS AND RISERS ON THE LAYOUT AND GRADING PLANS.
 2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR HANDRAILS FOR REVIEW AND APPROVAL.
 3. ALL REINFORCING IN THE STAIRS, AND STAIR FOUNDATIONS SHALL MEET THE REQUIREMENTS OF SECTION 507 FOR LEVEL I REINFORCING, AND SHALL BE UNCOATED. PAYMENT FOR REINFORCING WILL BE MADE UNDER ITEM 507.11, "REINFORCING STEEL, LEVEL I".
 4. ALL CONCRETE IN THE STAIRS, AND STAIR FOUNDATIONS SHALL MEET THE REQUIREMENTS OF SECTION 541 FOR CLASS B CONCRETE. PAYMENT FOR CONCRETE WILL BE MADE UNDER ITEM 541.25, "CONCRETE, CLASS B".
 5. CLEAR COVER SHALL BE 3" UNLESS OTHERWISE NOTED.
 6. MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 704.02, WITH GRADATION FOR 3/4" STONE, MAY BE SUBSTITUTED FOR GRANULAR BACKFILL FOR STRUCTURES AND WILL BE PAID FOR UNDER ITEM 204.30, "GRANULAR BACKFILL FOR STRUCTURES".



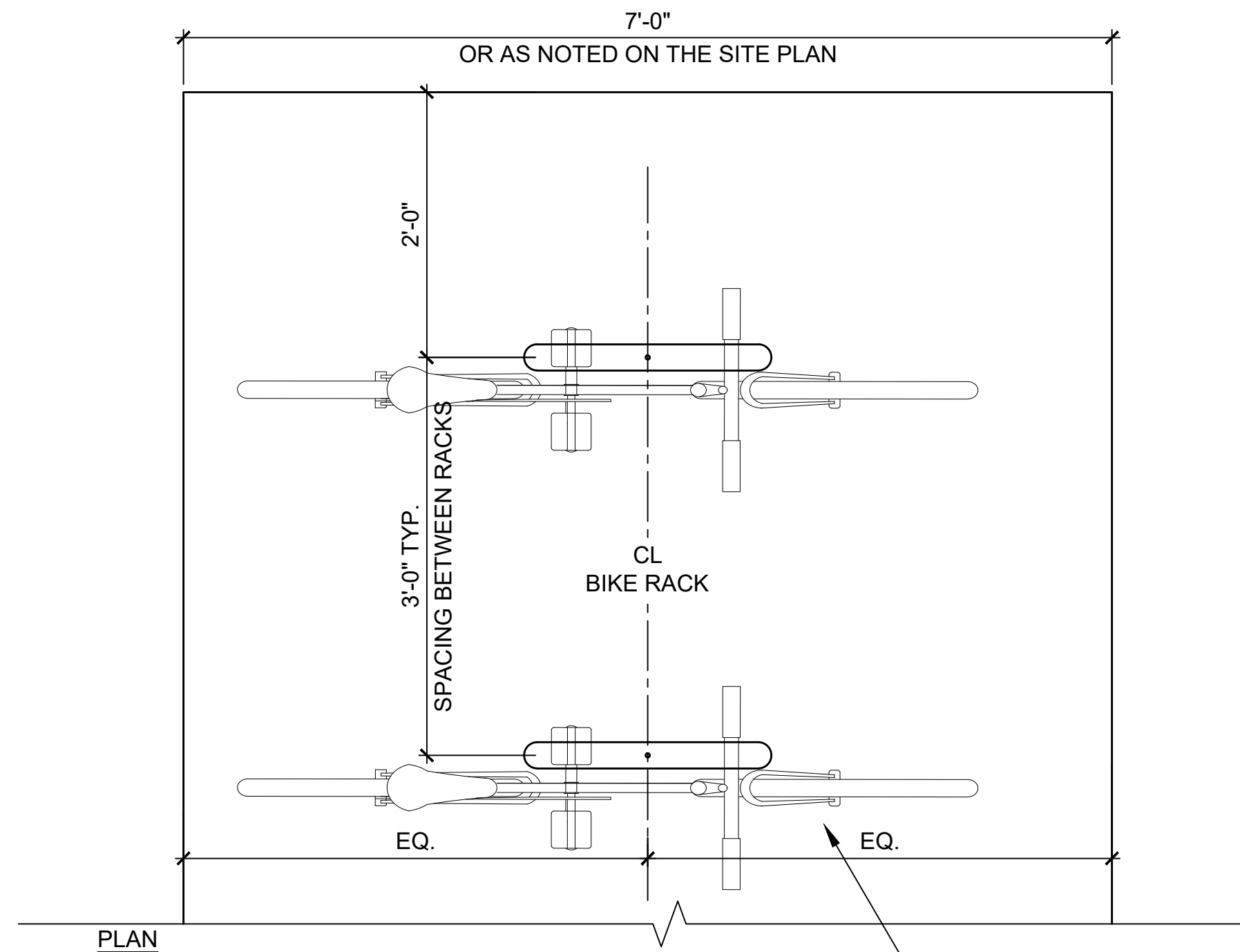
C SECTION: CONCRETE STEPS AND RAMPS
SCALE: 1/2" = 1'-0"

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

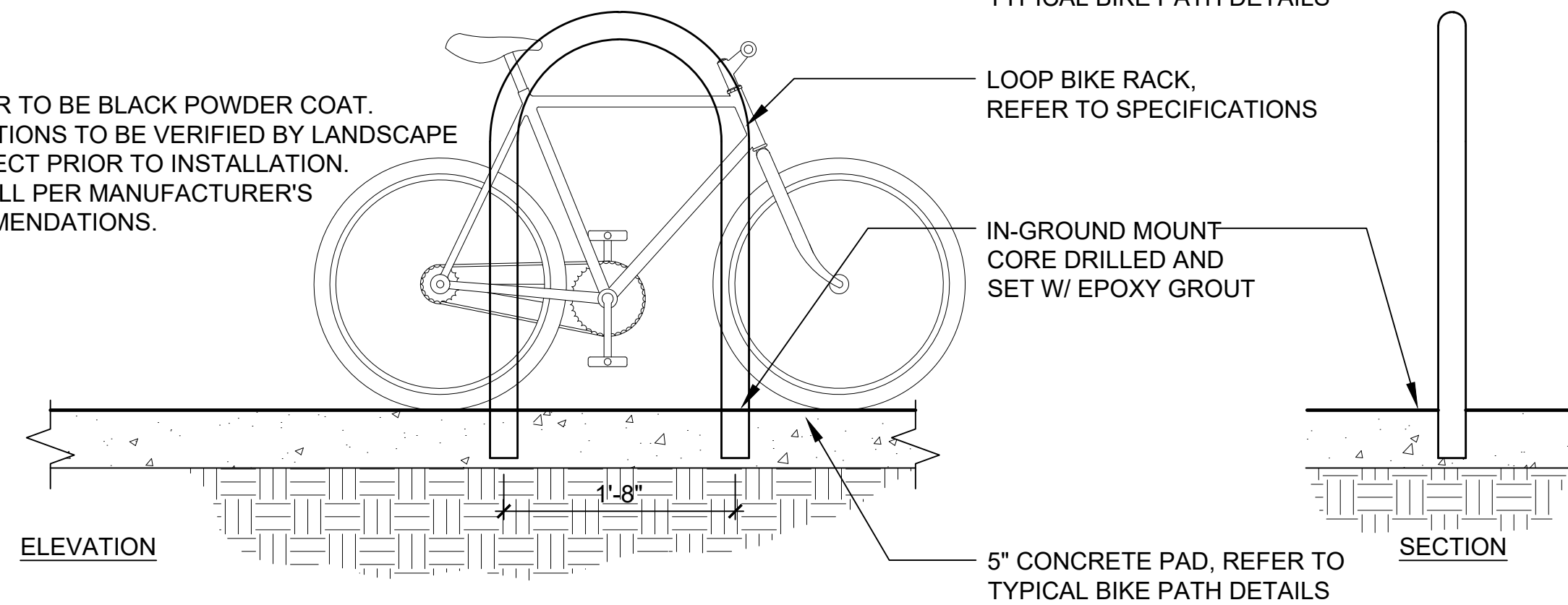
FILE NAME:
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: M.K.WILLARD
LANDSCAPE DETAILS

PLOT DATE: 02/18/2021
DRAWN BY: M.K.WILLARD
CHECKED BY: E.P.DETRICK
SHEET 22 OF 48

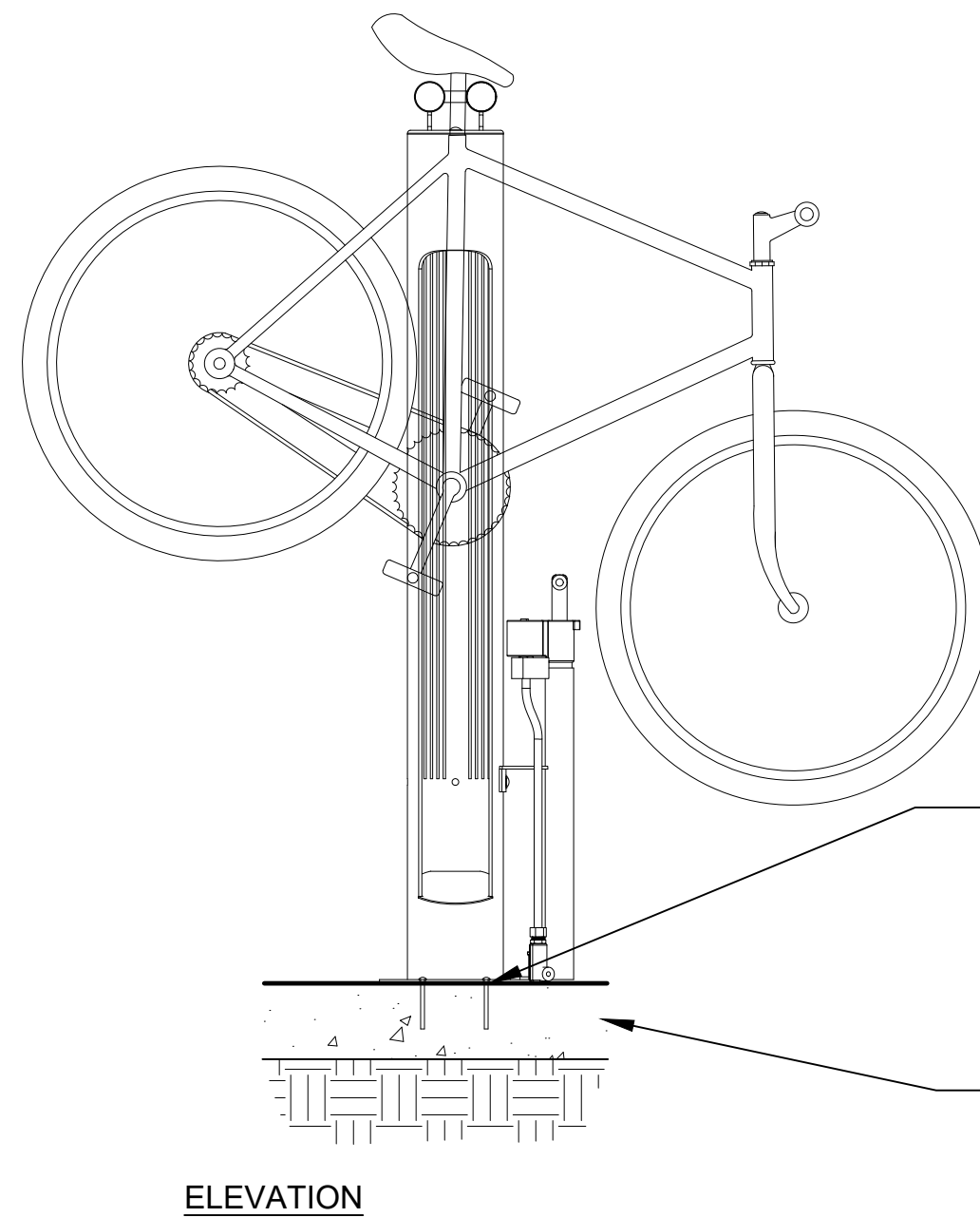
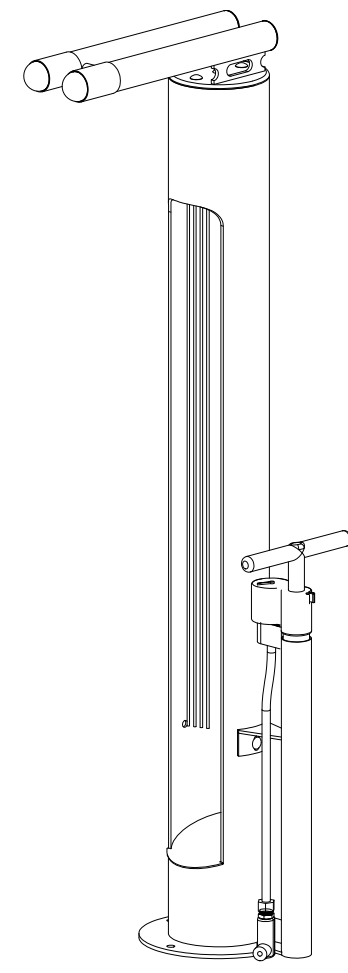
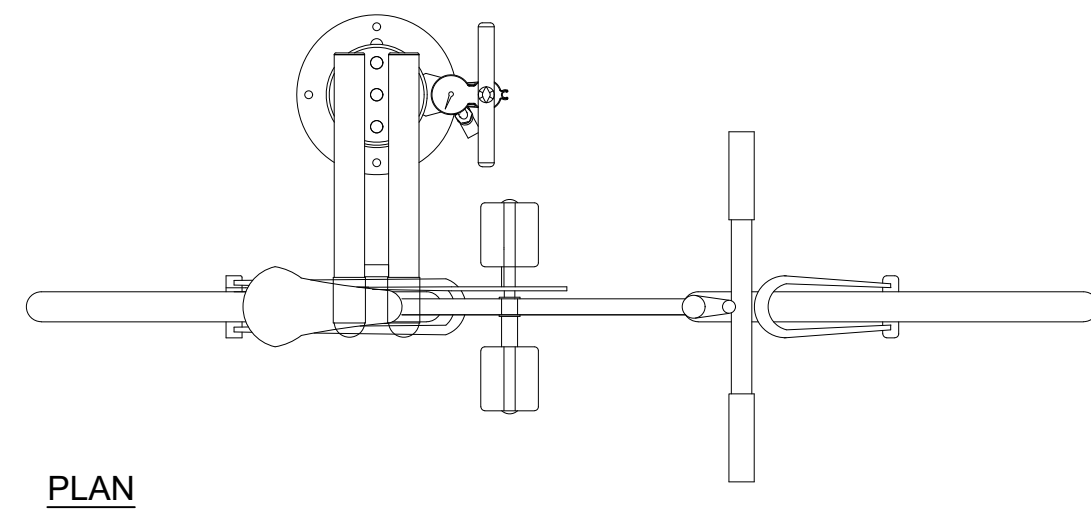




NOTES:
1. COLOR TO BE BLACK POWDER COAT.
2. LOCATIONS TO BE VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

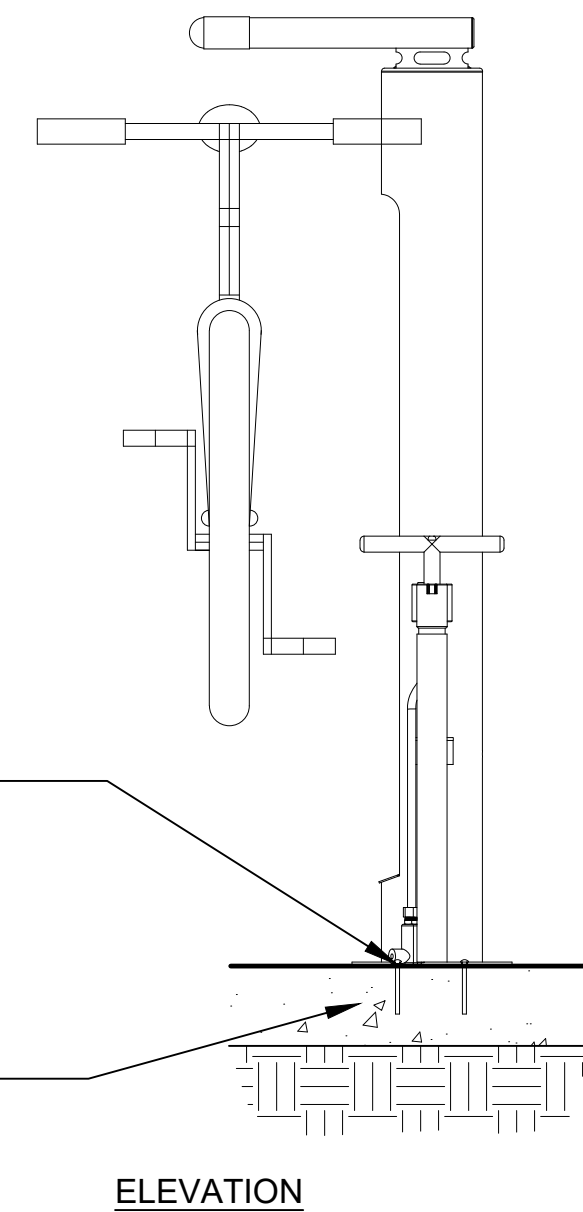


NOTES:
1. COLOR TO BE BLACK POWDER COAT.
2. LOCATION TO BE VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. REFER TO SPECIFICATIONS.



SURFACE MOUNT, INSTALL USING MANUFACTURER'S RECOMMENDATIONS FOR NEW SIDEWALK INSTALLATIONS.

EXPOSED AGGREGATE CONCRETE WALK, REFER TO TYPICAL BIKE PATH DETAILS



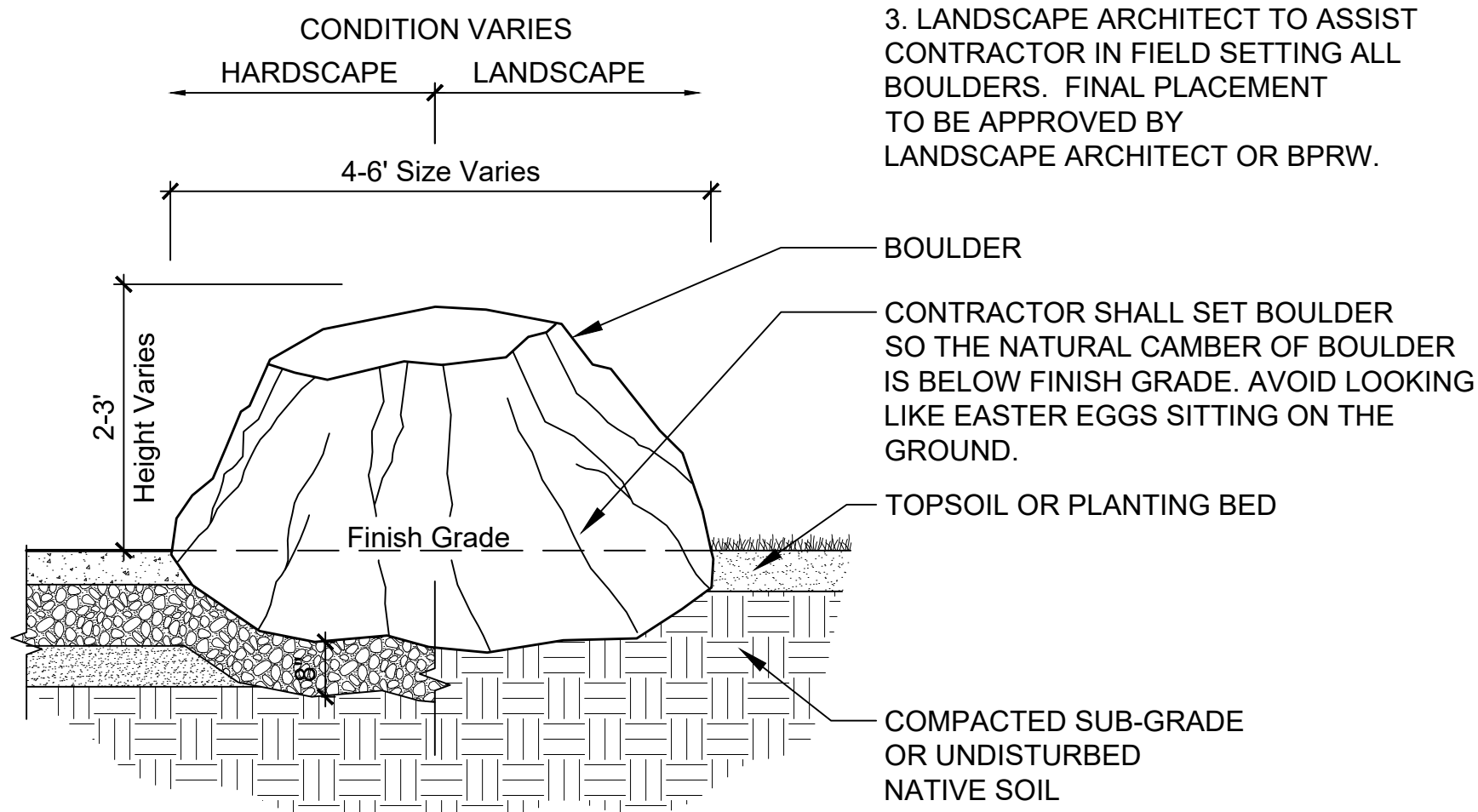
A BIKE TUNING STATION

SCALE 1" = 1'

B BIKE RACK

SCALE 1" = 1'

NOTES:
1. BOULDERS WILL BE SELECTED BY LANDSCAPE ARCHITECT OR BPRW.
2. BOULDERS VARY IN SIZE.
3. LANDSCAPE ARCHITECT TO ASSIST CONTRACTOR IN FIELD SETTING ALL BOULDERS. FINAL PLACEMENT TO BE APPROVED BY LANDSCAPE ARCHITECT OR BPRW.



C SPECIAL PROVISION (LANDSCAPE BOULDER)

SCALE 1/2" = 1'-0"

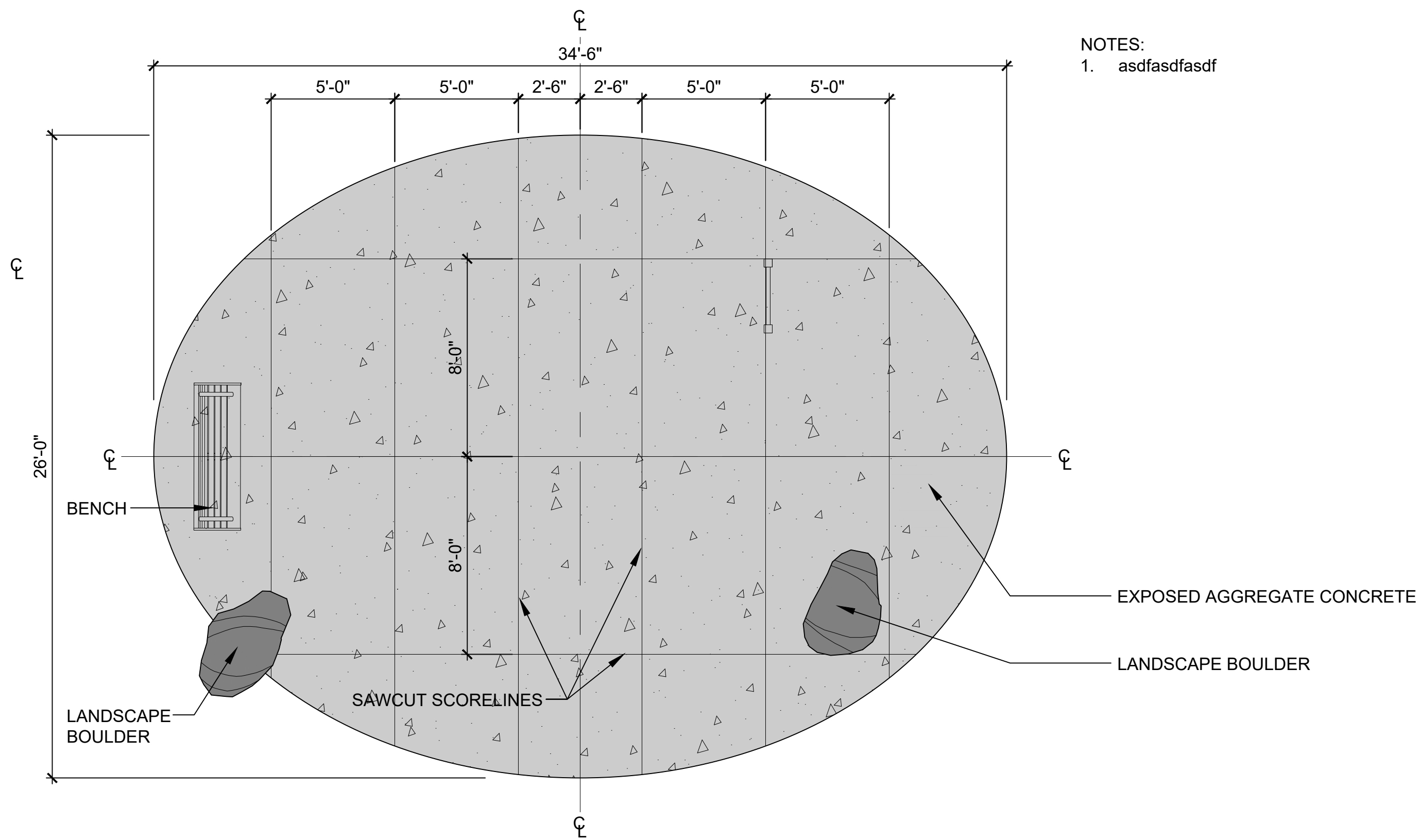
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B

PROJECT NUMBER: 58109.01

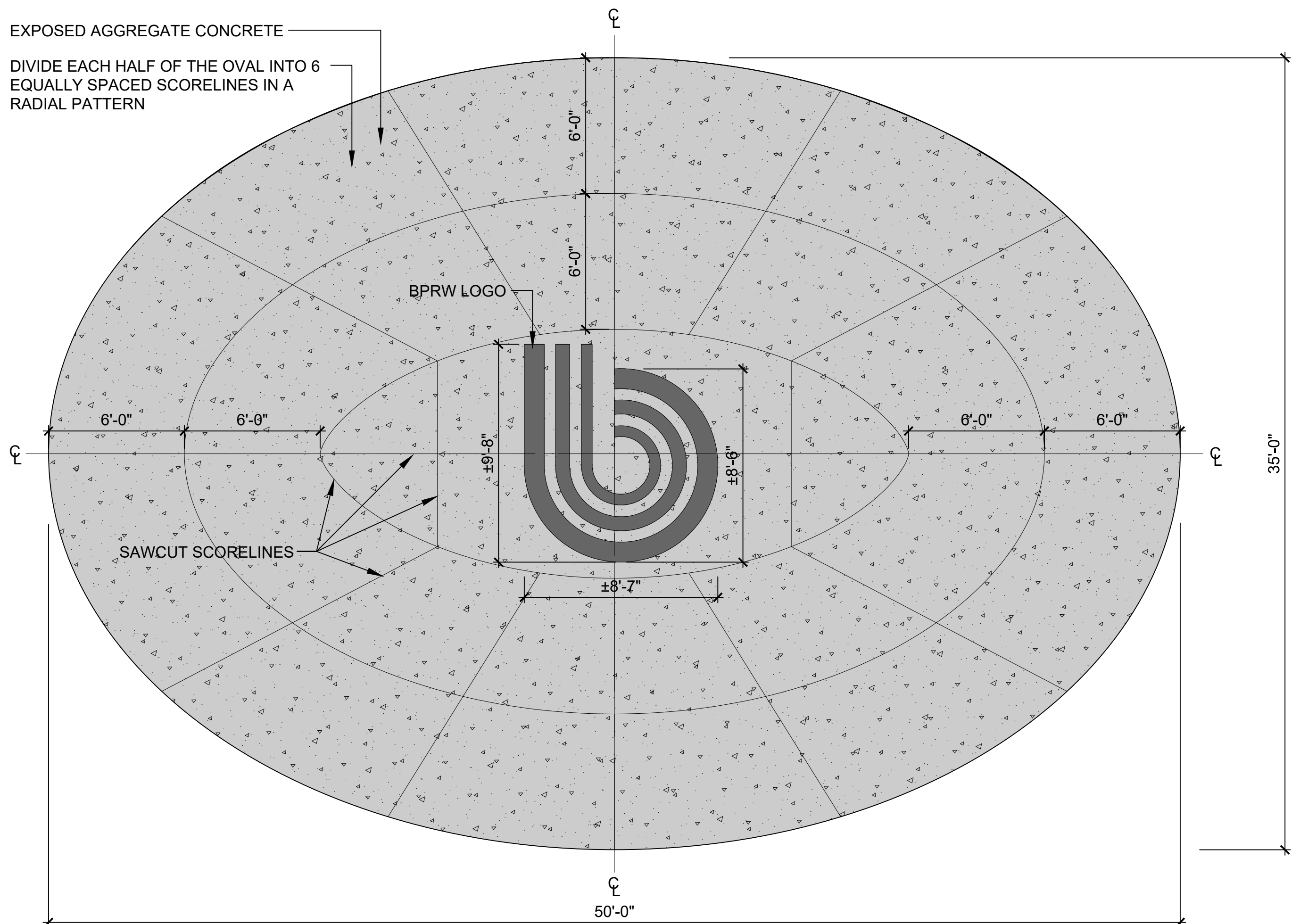
FILE NAME:
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: M.K.WILLARD
LANDSCAPE DETAILS

PLOT DATE: 02/18/2021
DRAWN BY: M.K.WILLARD
CHECKED BY: E.P.DETRICK
SHEET 23 OF 48

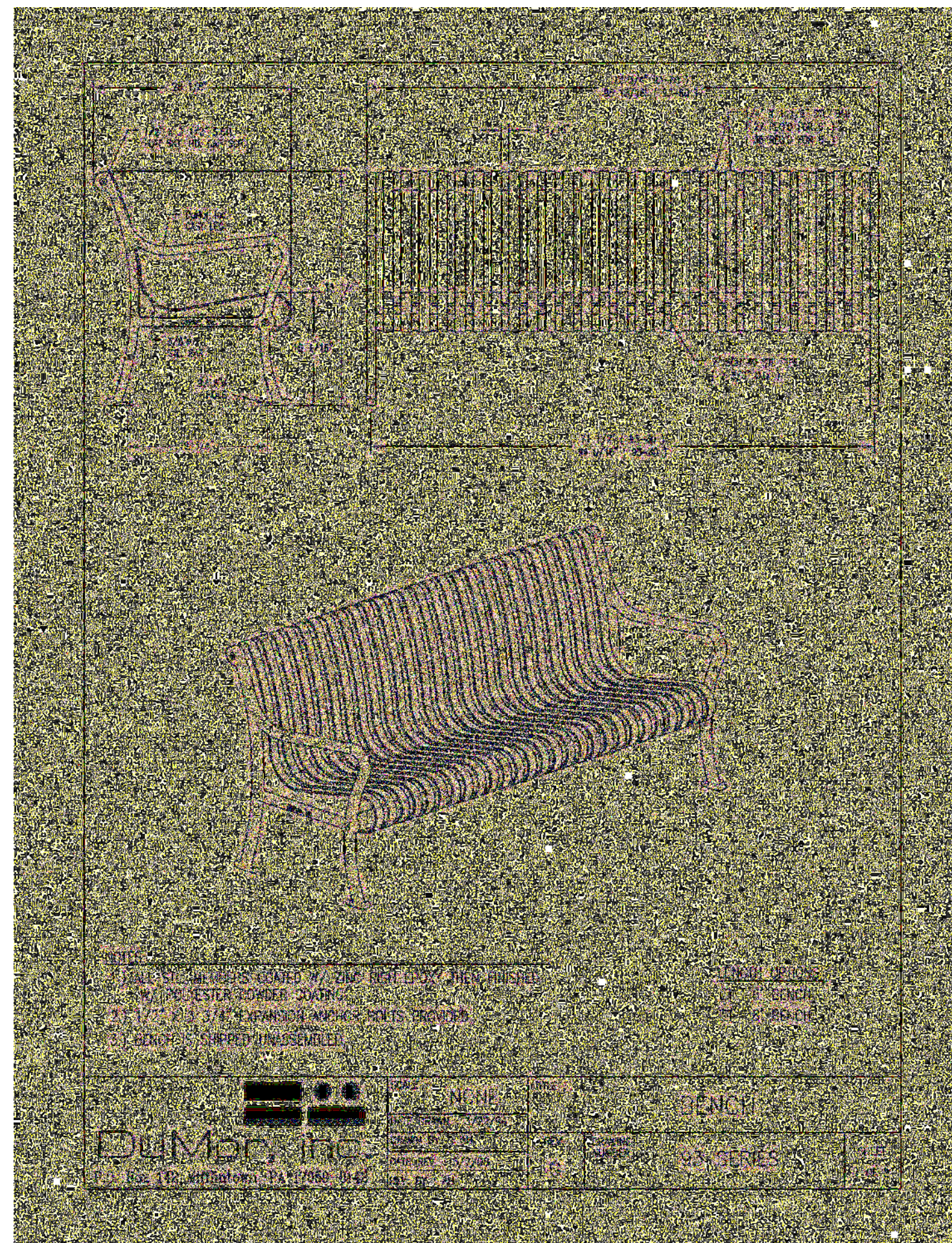




A OVAL LAYOUT - AUSTIN DRIVE
SCALE 1/4" = 1'-0"



B OVAL LAYOUT - OAKLEDGE
SCALE 1/4" = 1'-0"



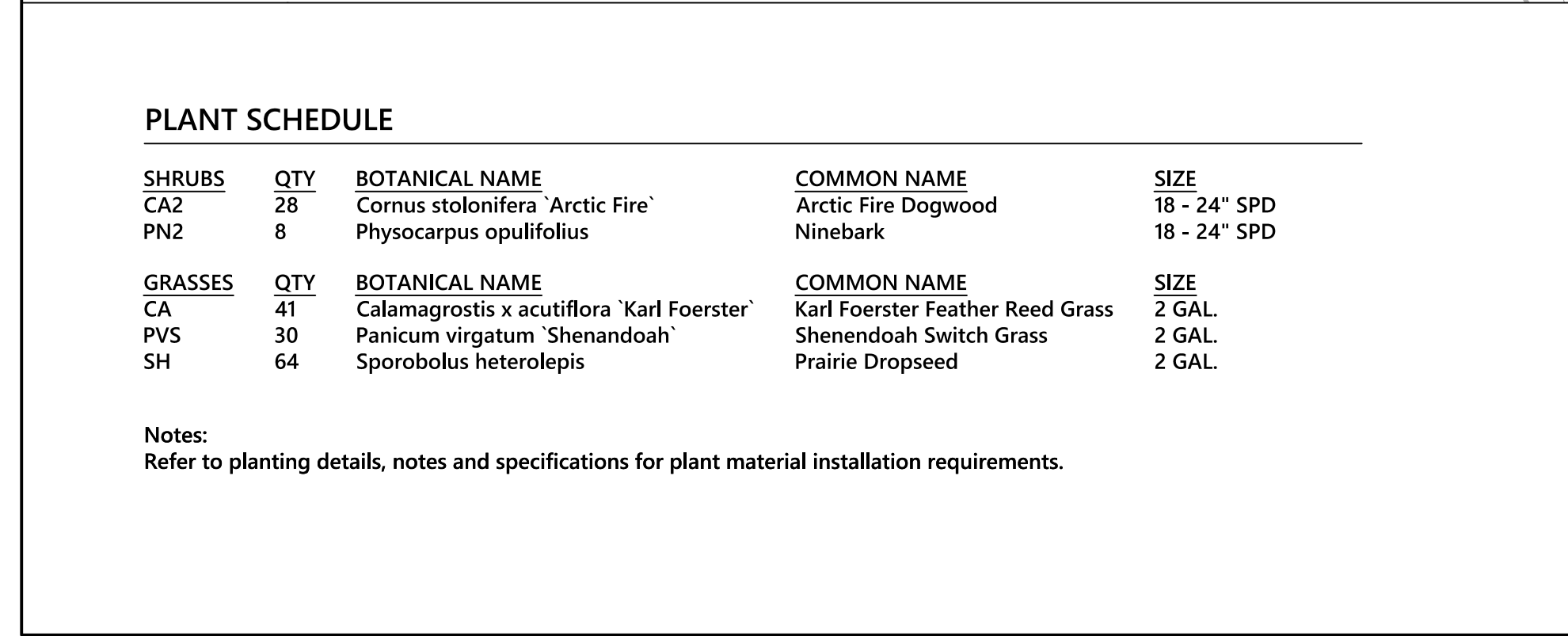
C BENCH
NTS

- NOTES:
- BENCH LENGTH TO BE 6 FEET
 - COLOR TO BE BLACK POWDER COAT
 - REFER TO LANDSCAPE PLANS FOR LOCATION
 - INSTALL BENCH PER MANUFACTURER'S RECOMMENDATIONS.

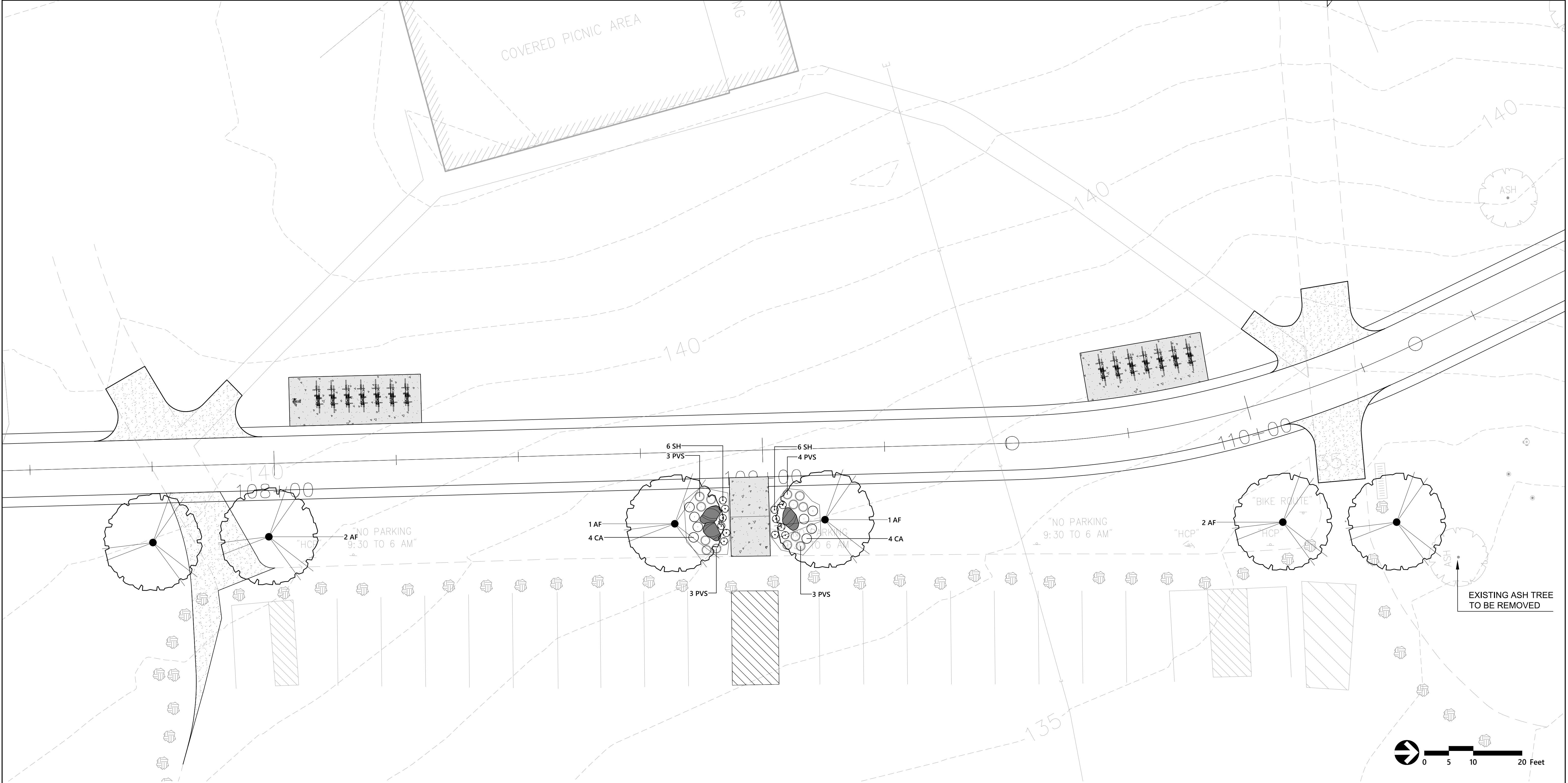
- NOTES:
- THE BPRW LOGO IS TO BE SAND BLASTED INTO THE EXPOSED AGGREGATE CONCRETE. CONTRACTOR SHALL PROVIDE SANDED BLASTED EXAMPLES FOR REVIEW AND APPROVAL. DESIGN TEAM WILL PROVIDE AN ELECTRONIC LAYOUT OF THE BPRW LOGO TO ASSIST IN DEVELOPING A TEMPLATE FOR THE LOGO OUTLINE.
 - INFILL THE SAND BLASTED LOGO WITH BLACK MONUMENT PAINT. CONTRACTOR SHALL PROVIDE SUBMITTAL FOR REVIEW AND APPROVAL.



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME:	PLOT DATE: 02/18/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLARD
DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRICK
LANDSCAPE DETAILS	SHEET 24 OF 48



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME:	PLOT DATE: 02/18/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLARD
DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRICK
PLANTING PLAN	SHEET 25 OF 48



PLANT SCHEDULE

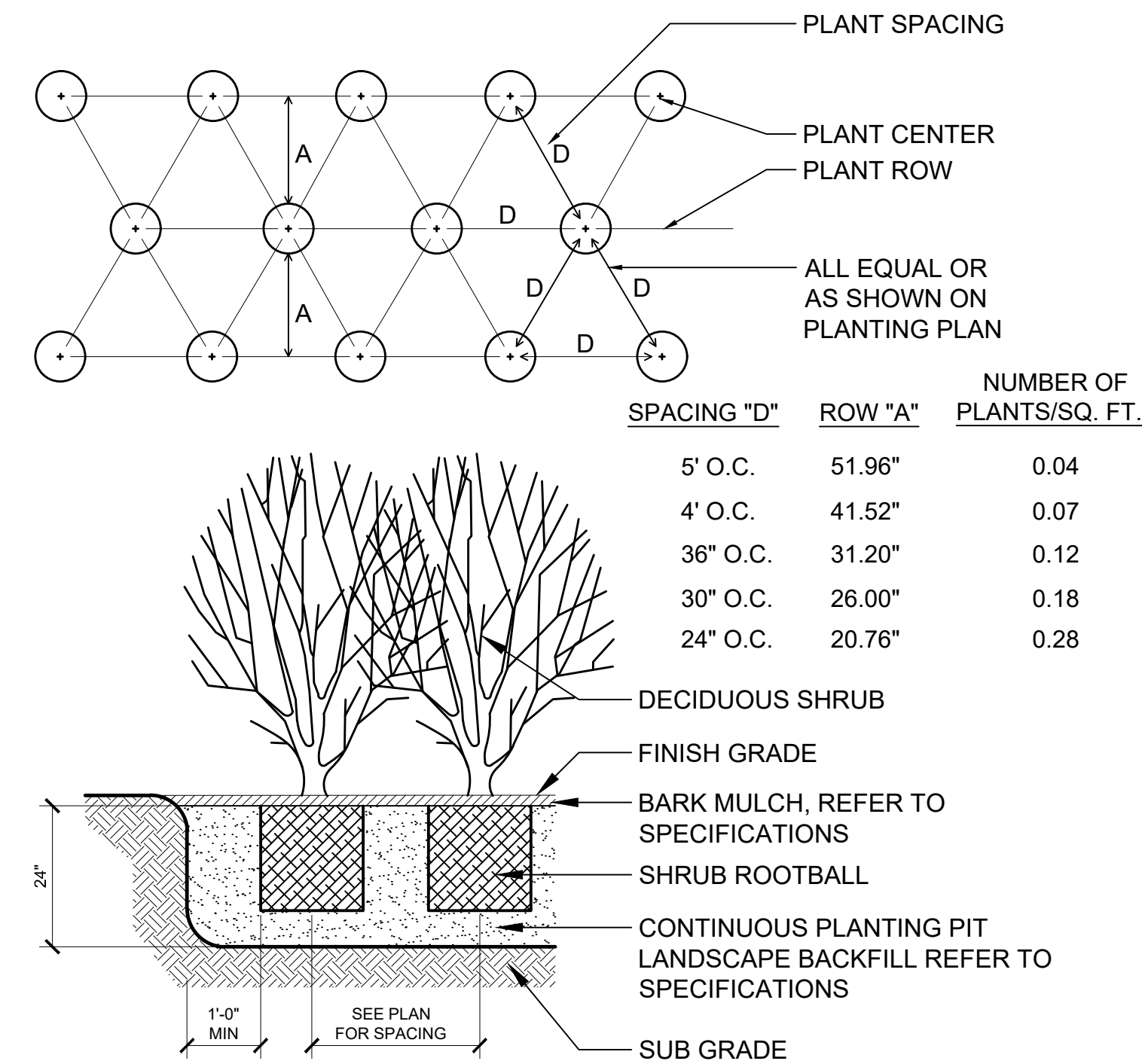
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AF	6	Acer x freemanii 'Sienna'	Sienna Glen Maple	2 1/2 - 3" CAL.
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
CA	8	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	2 GAL.
PVS	13	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	2 GAL.
SH	12	Sporobolus heterolepis	Prairie Dropseed	2 GAL.

Notes:
Refer to planting details, notes and specifications for plant material installation requirements.

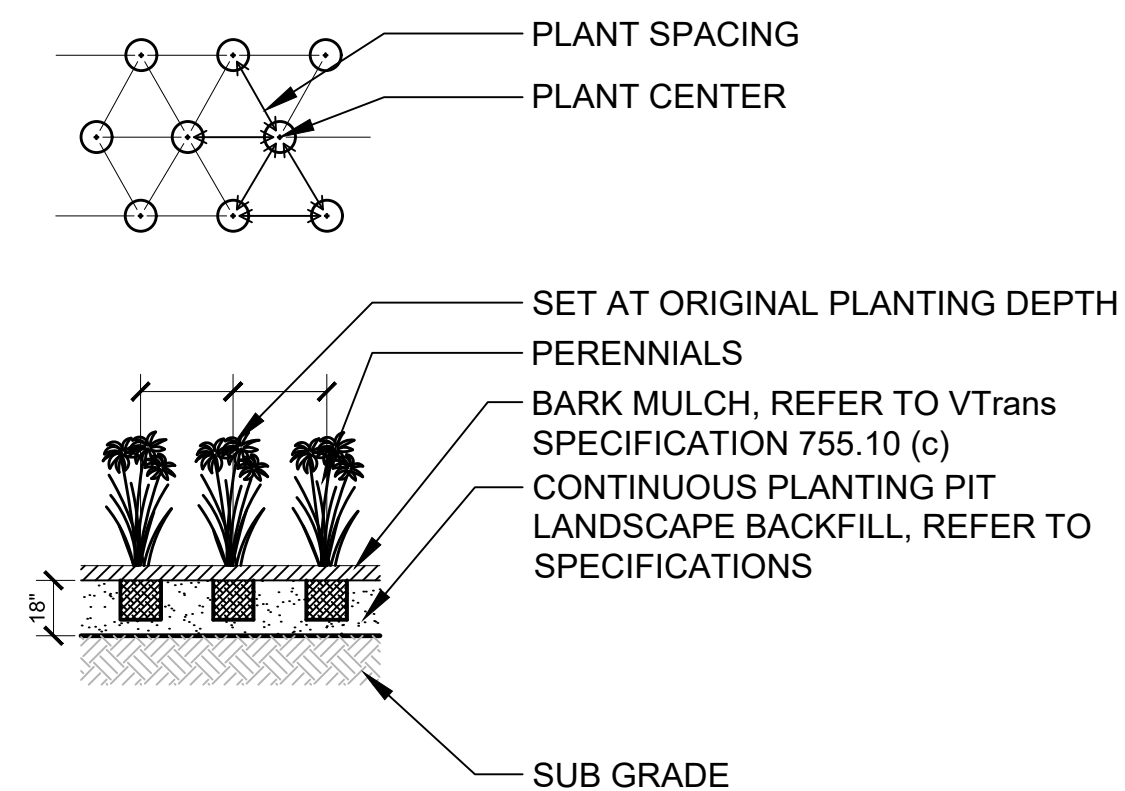
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME:	PLOT DATE: 02/18/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLARD
DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRICK
LANDSCAPE PLAN	SHEET 26 OF 48



NOTES:
1. QUANTITY OF SHRUBS AND SPACING
AS NOTED IN PLANTING SCHEDULE.
2. ALL PLANTING BEDS ARE TO BE CONTINUOUS, COMPLETELY
DUG OUT AND BACKFILLED WITH THE PROPER LANDSCAPE BACKFILL



C SHRUB PLANTING
SCALE: 1/2" = 1'-0"



D PERENNIAL PLANTING
N.T.S.

NOTES:
1. REFER TO PLANTING PLAN FOR SPACING AND QUANTITIES.
2. ALL PLANTING BEDS ARE TO BE CONTINUOUS, COMPLETELY DUG OUT AND BACKFILLED WITH THE PROPER PLANTING BED BACKFILL MATERIAL, REFER TO SOIL PREPARATION SPECIFICATION.

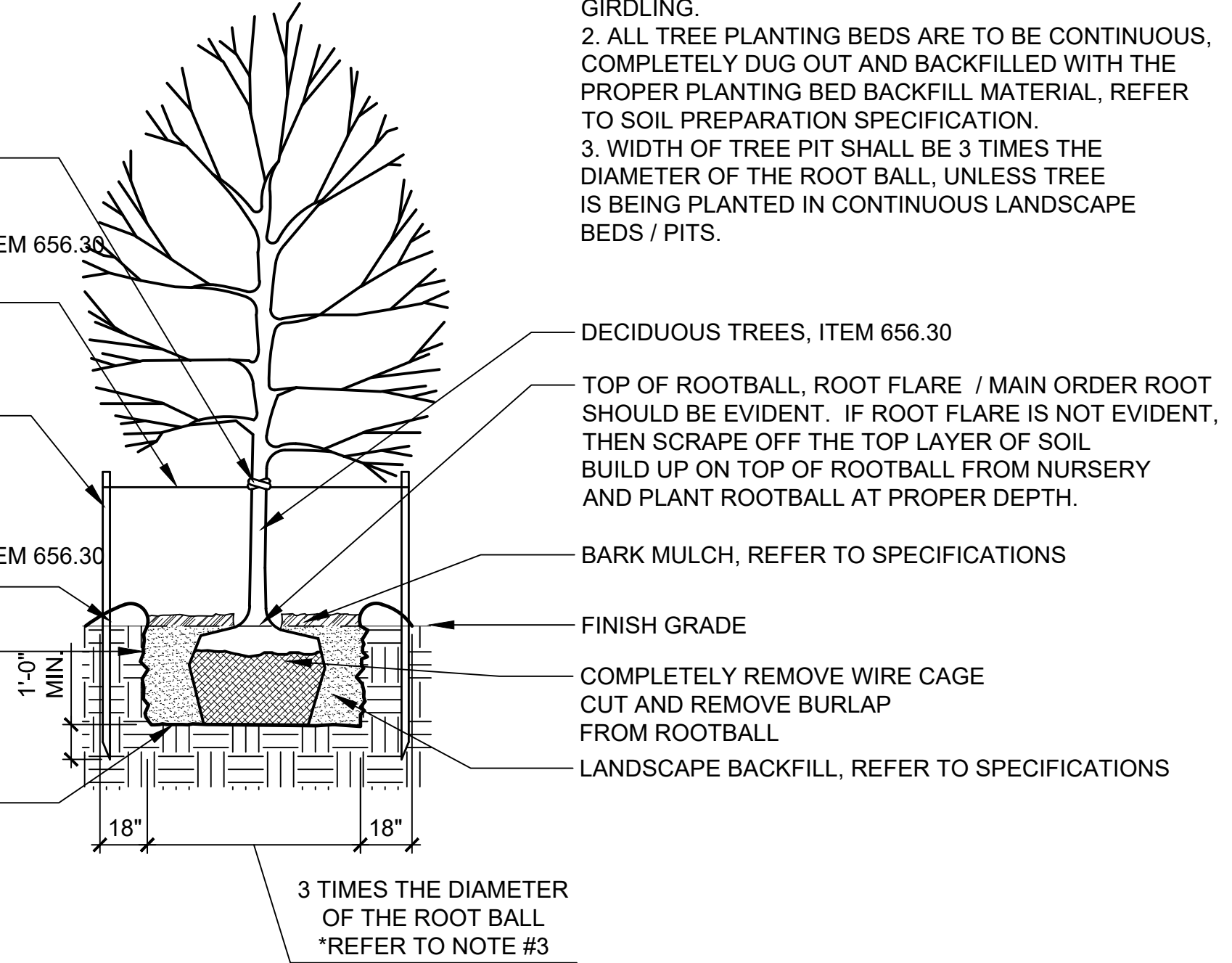
SURROUNDING SOIL SHOULD NOT EXCEED 80% COMPACTION, DRAINAGE WILL BE REQUIRED IF COMPACTED SOILS ARE PRESENT

NYLON STRAP WITH 3/4" GROMMETS, REFER TO SPECIFICATIONS INCIDENTAL TO DECIDUOUS TREES, ITEM 656.30

FASTEN WIRE BELOW POINT OF MAJOR BRANCHING OR TO MAJOR OUTSIDE TRUNK.

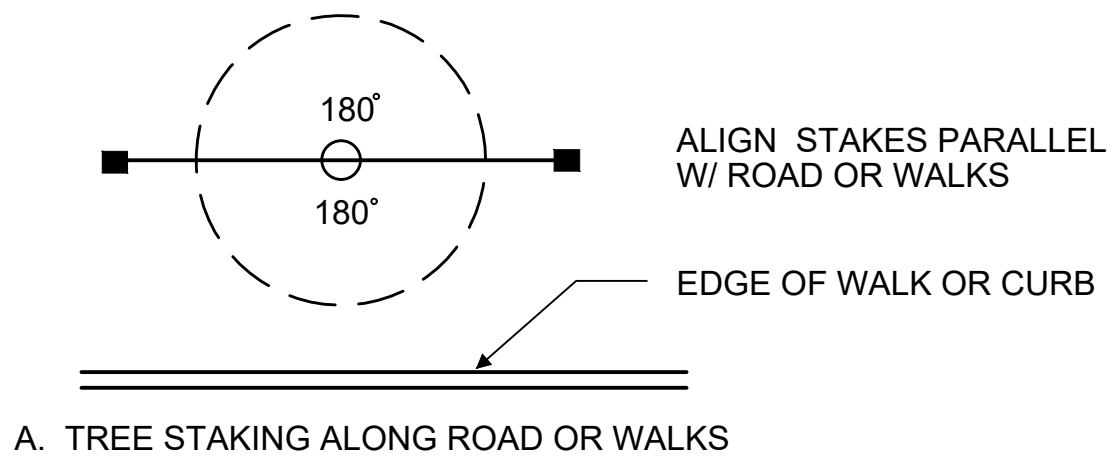
2 1/2" HARDWOOD STAKES. ALIGN STAKES PARALLEL W/ ROAD/ WALKS OR PARALLEL W/ DIRECTION OF PREVAILING WIND, REFER TO TREE STAKING DETAIL INCIDENTAL TO DECIDUOUS TREES, ITEM 656.30
TEMPORARY WATERING BASIN MADE FROM SOIL
BREAK APART EDGE OF EXCAVATION W/ SHOVEL AND BLEND PLANT MIX W/ EXISTING SOIL TO PROVIDE TRANSITION TO UNDISTURBED GRADE

UNDISTURBED GRADE
EXCAVATE ONLY TO SPECIFIED PLANTING DEPTH TO ENSURE STABLE BASE

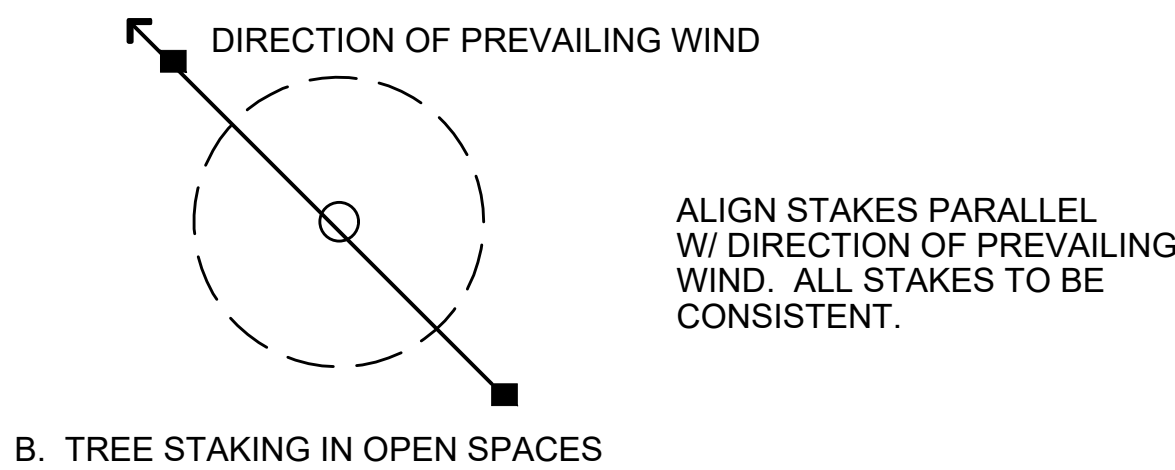


NOTES:
1. EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, ROPE, STRING, OR SURVEYORS TAPE TO PREVENT FUTURE GIRDLING.
2. ALL TREE PLANTING BEDS ARE TO BE CONTINUOUS, COMPLETELY DUG OUT AND BACKFILLED WITH THE PROPER PLANTING BED BACKFILL MATERIAL, REFER TO SOIL PREPARATION SPECIFICATION.
3. WIDTH OF TREE PIT SHALL BE 3 TIMES THE DIAMETER OF THE ROOT BALL, UNLESS TREE IS BEING PLANTED IN CONTINUOUS LANDSCAPE BEDS / PITS.

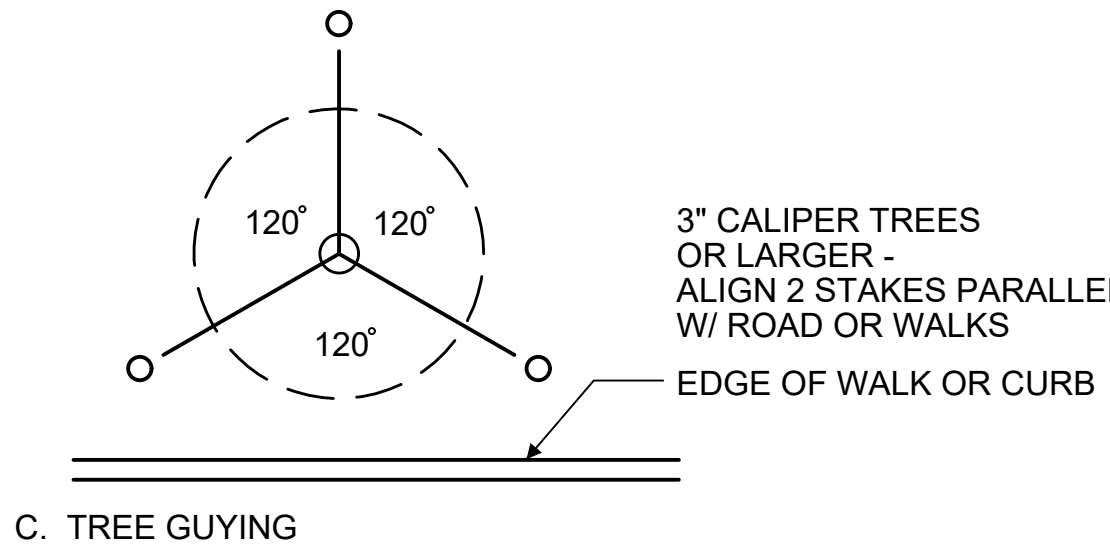
A TREE PLANTING
SCALE 1/4" = 1'-0"



A. TREE STAKING ALONG ROAD OR WALKS



B. TREE STAKING IN OPEN SPACES



C. TREE GUYING

B TREE STAKING LAYOUT
NO SCALE

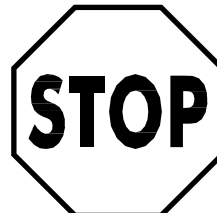
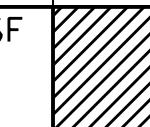
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME:
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: M.K.WILLARD
PLANTING DETAILS

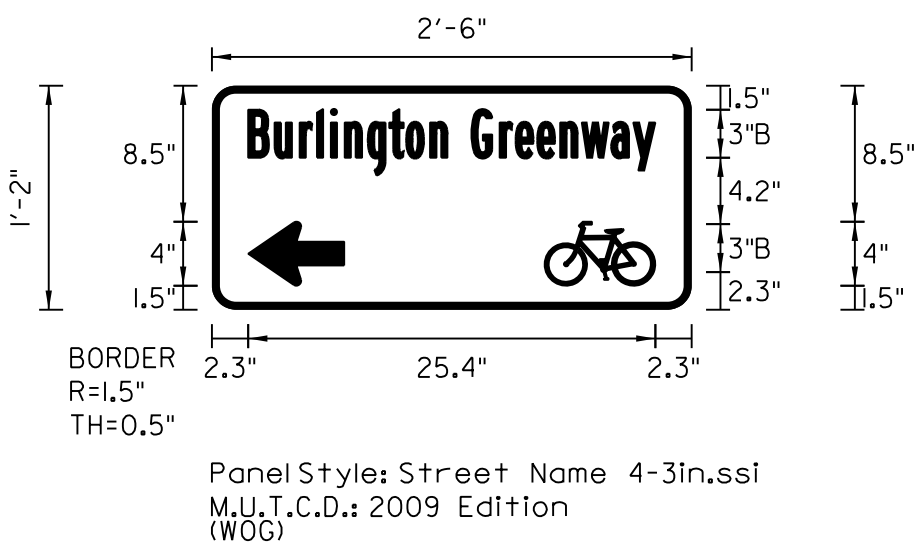
PLOT DATE: 02/18/2021
DRAWN BY: M.K.WILLARD
CHECKED BY: E.P.DETRICK
SHEET 28 OF 48

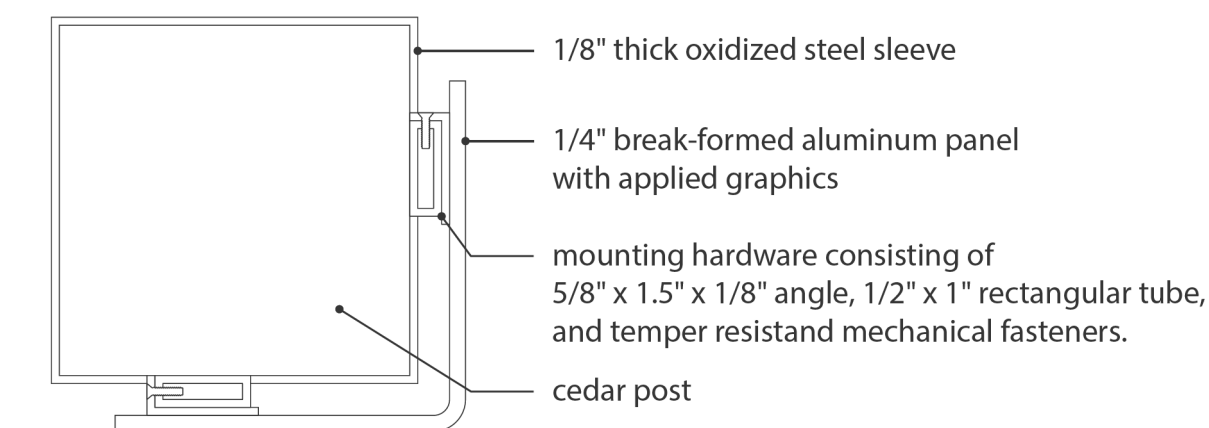
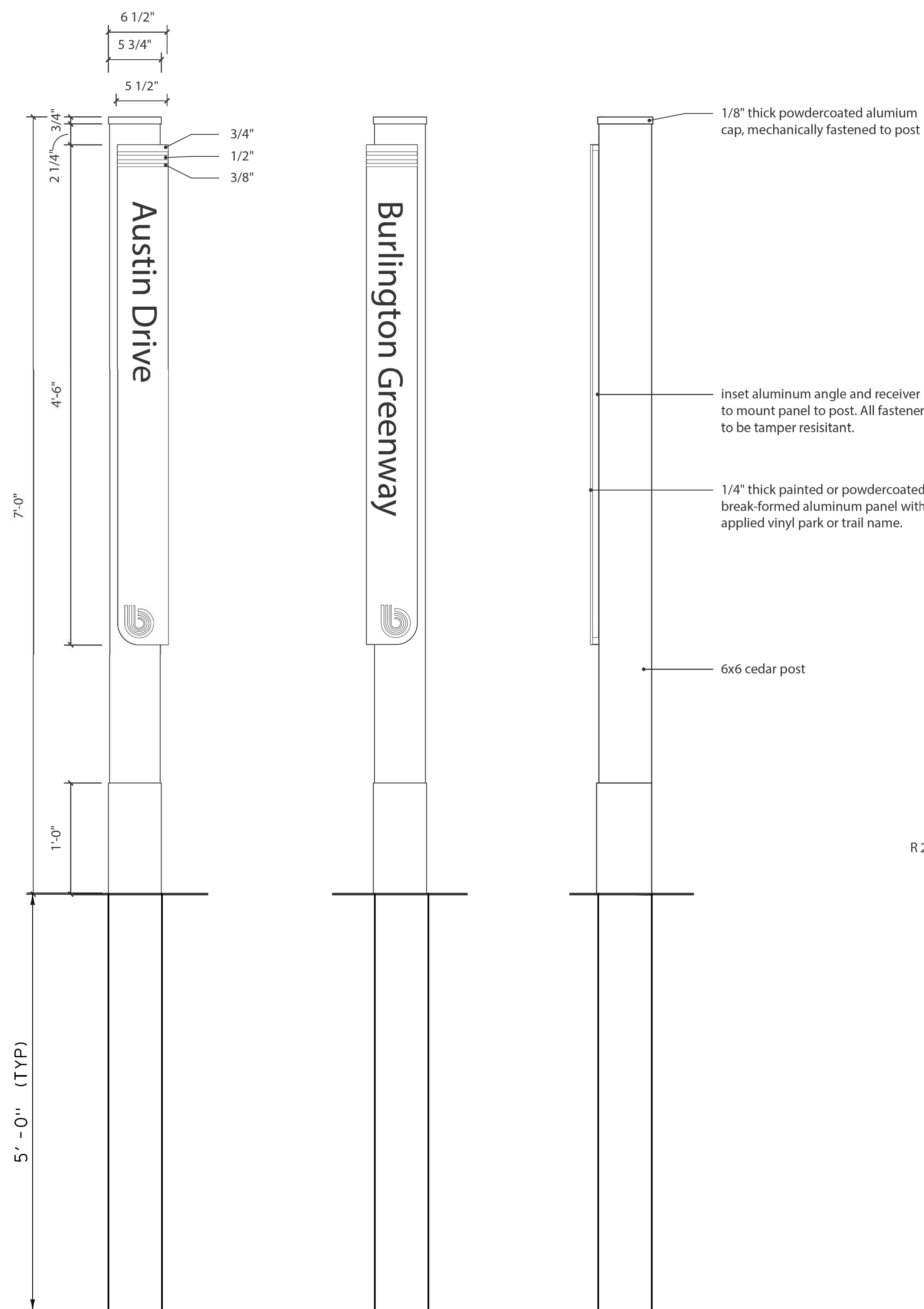


TRAFFIC SIGN SUMMARY SHEET

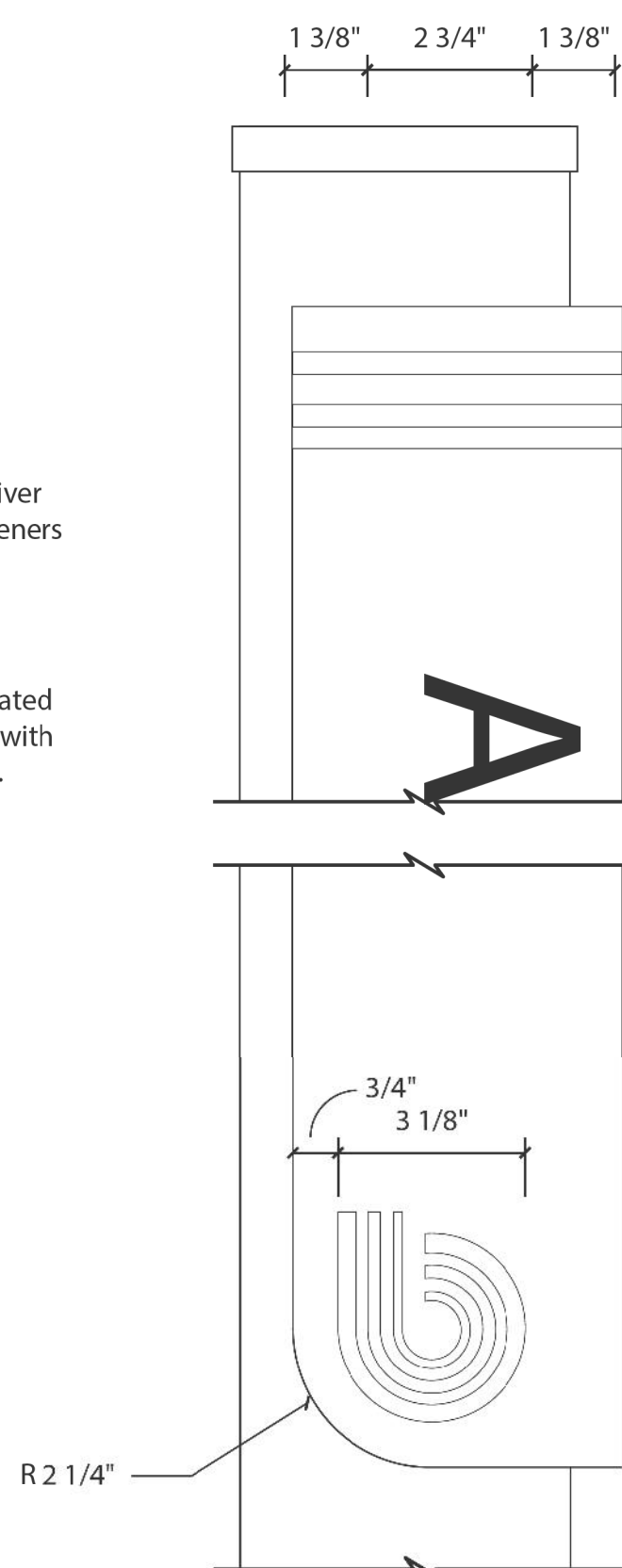
MILE MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RE TAIN S AL V A G E	NO. OF P O S T S	FLANGED CHANNEL			SQUARE STEEL (IN)			NEW SIGN POSTS			WOOD POST (LF)		W-SHAPE STEEL				RE FR A M E	REMARKS	SIGN DETAIL						
					"A"	"B"	SALV SIGN	SALV TIS			LB/FT			LB/FT			ANCHOR	S LEEVE	TUBULAR ALUMINUM Ø (IN)		COLLAR	TYPE 1	TYPE 2	FTG. SIZE				WEIGHT	POST SIZE	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		EA	WIDTH (IN)	HEIGHT (IN)							1.12	2.0	3.0	1.88	2.42	3.35			3.0	4.0				4.0 MOD	24"							30"		
OPTION ITEMS																																		
100+21, LT		I	18	18	2.25						I					X			X													R1-1 MOUNTED ON NEW POST		SHSM
AUSTIN DRIVE		I	30	14	2.92						I					X+			X													MOUNTED ON NEW POST WOG	THIS SHEET	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."											FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		TYPE 1	TYPE 2						BOY = BLACK LEGEND ON YELLOW BACKGROUND - PLAQUE BOW = BLACK LEGEND ON WHITE BACKGROUND - PLAQUE GOW = GREEN LEGEND ON WHITE BACKGROUND - PLAQUE ROW = RED LEGEND ON WHITE BACKGROUND - PLAQUE WOB = WHITE LEGEND ON BLUE BACKGROUND - PLAQUE WOG = WHITE LEGEND ON GREEN BACKGROUND FYG = BLACK LEGEND ON FLUORESCENT YELLOW-GREEN BACKGROUND SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK (WITH 2012 SUPPLEMENT)				
					TOTALS	SF 5.17	SF	EA.	SF		FT	FT			25			LB	EA.	WOOD POSTS (FT)		EA.	EA.	LB										

POST LENGTH AVERAGES 10 FEET
POST LENGTH WITH '+ ' AVERAGES 15 FEET

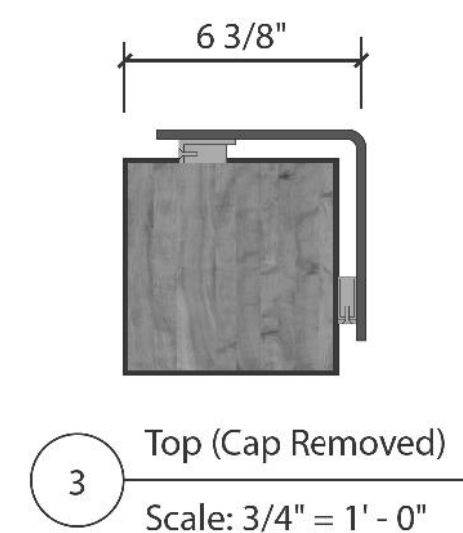
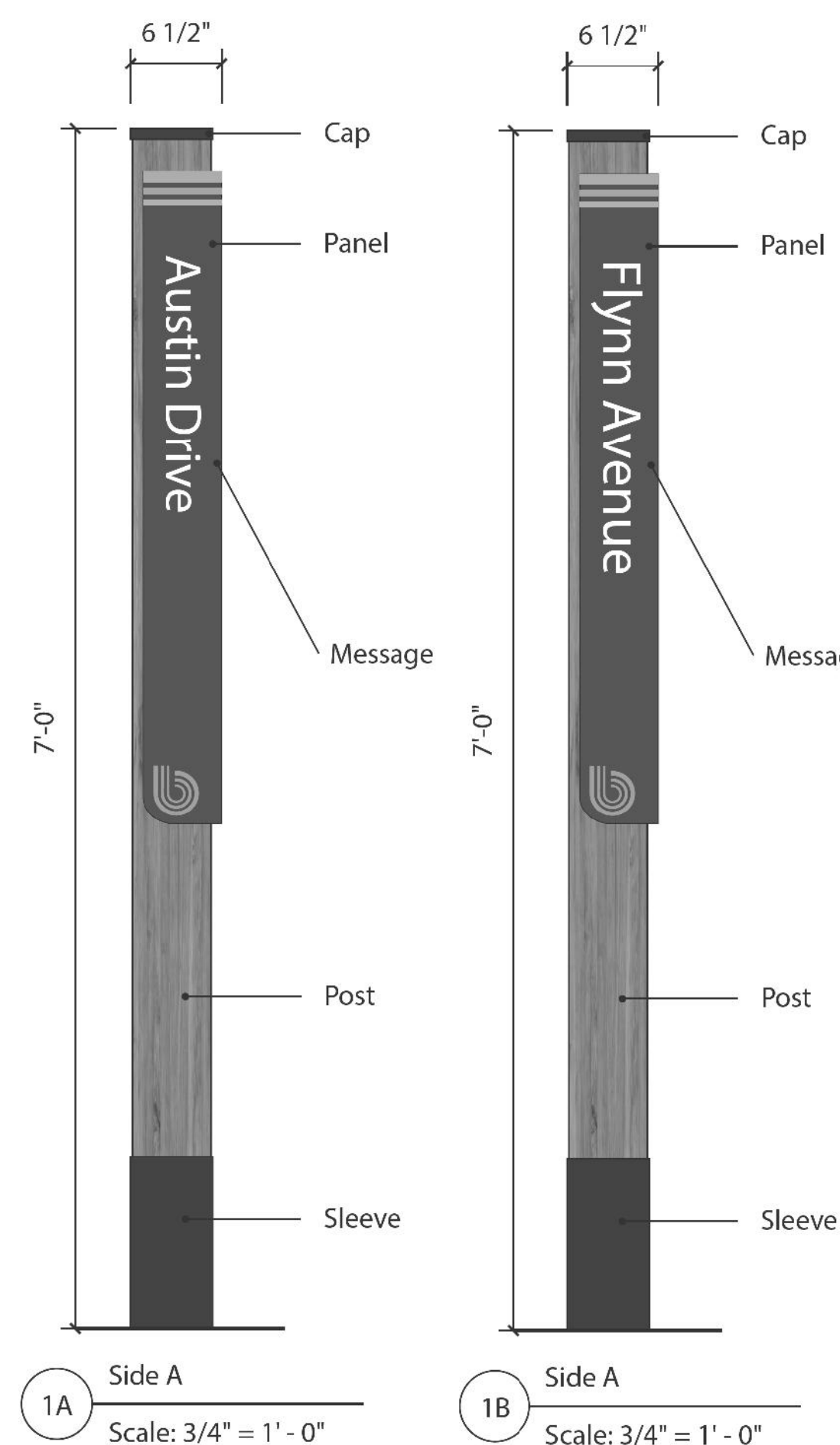




4 Section
Scale: 3" = 1' - 0"



5 Graphic Detail
Scale: 3" = 1' - 0"



3 Top (Cap Removed)
Scale: 3/4" = 1' - 0"

BIKE PATH IDENTIFICATION SIGN DETAILS

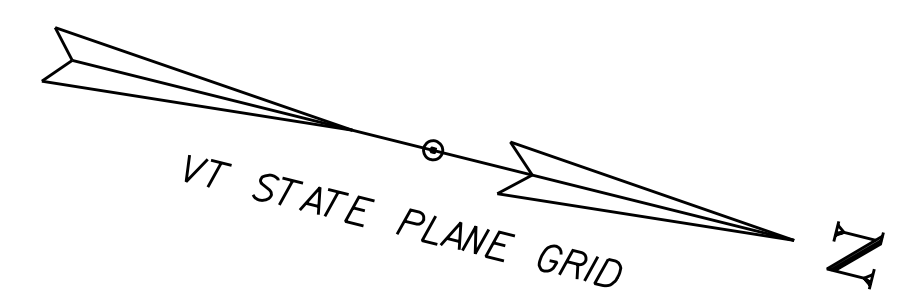
NOT TO SCALE

NOTES:

- BIKE PATH IDENTIFICATION SIGNS MUST COMPLY WITH WAYFINDING GUIDELINES FOUND AT:
<https://enjoyburlington.com/resources/brand-wayfinding-guidelines/>
- TEXT STYLE TO BE TITLE CASE WITH FONT "IDEAL SANS MEDIUM".



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109sign_det.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K. FORD
DESIGNED BY: C.K. FORD	CHECKED BY: E.P. DETRICK
SIGN DETAIL SHEET	SHEET 30 OF 48

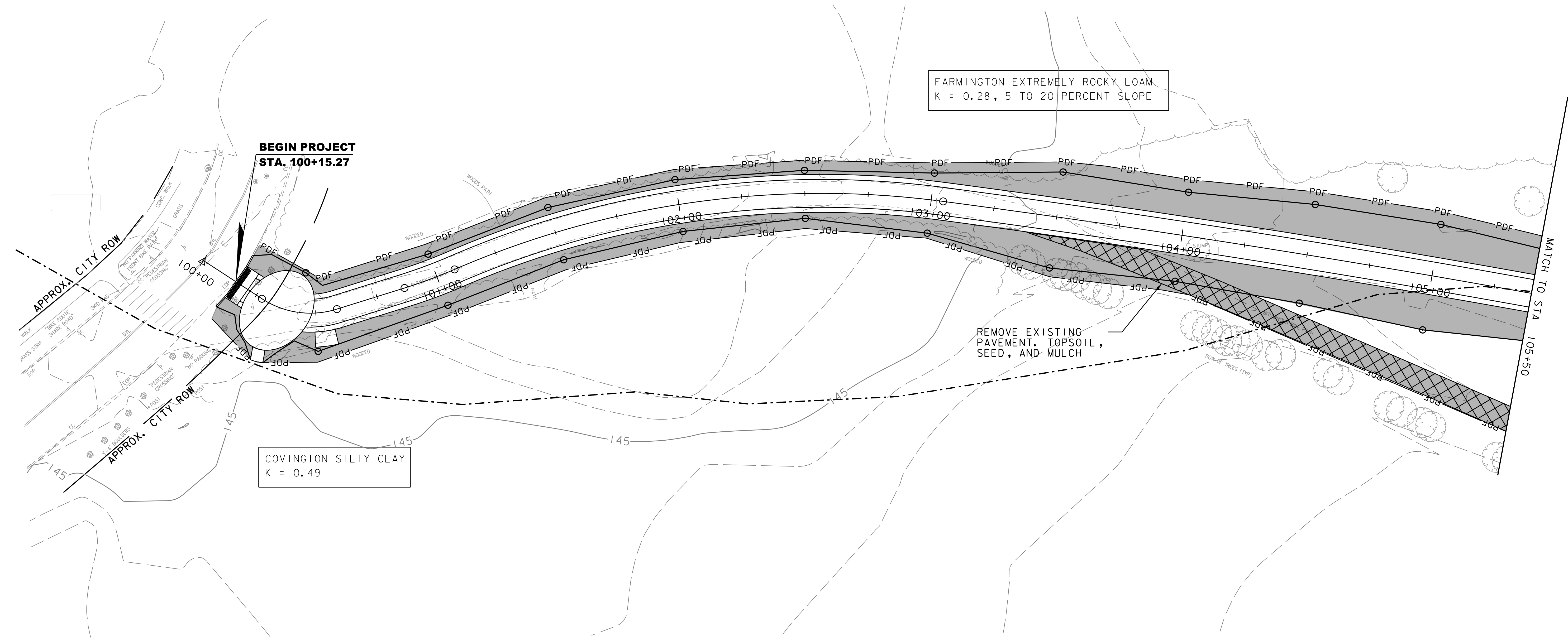


FARMINGTON EXTREMELY ROCKY LOAM
K = 0.28, 5 TO 20 PERCENT SLOPE

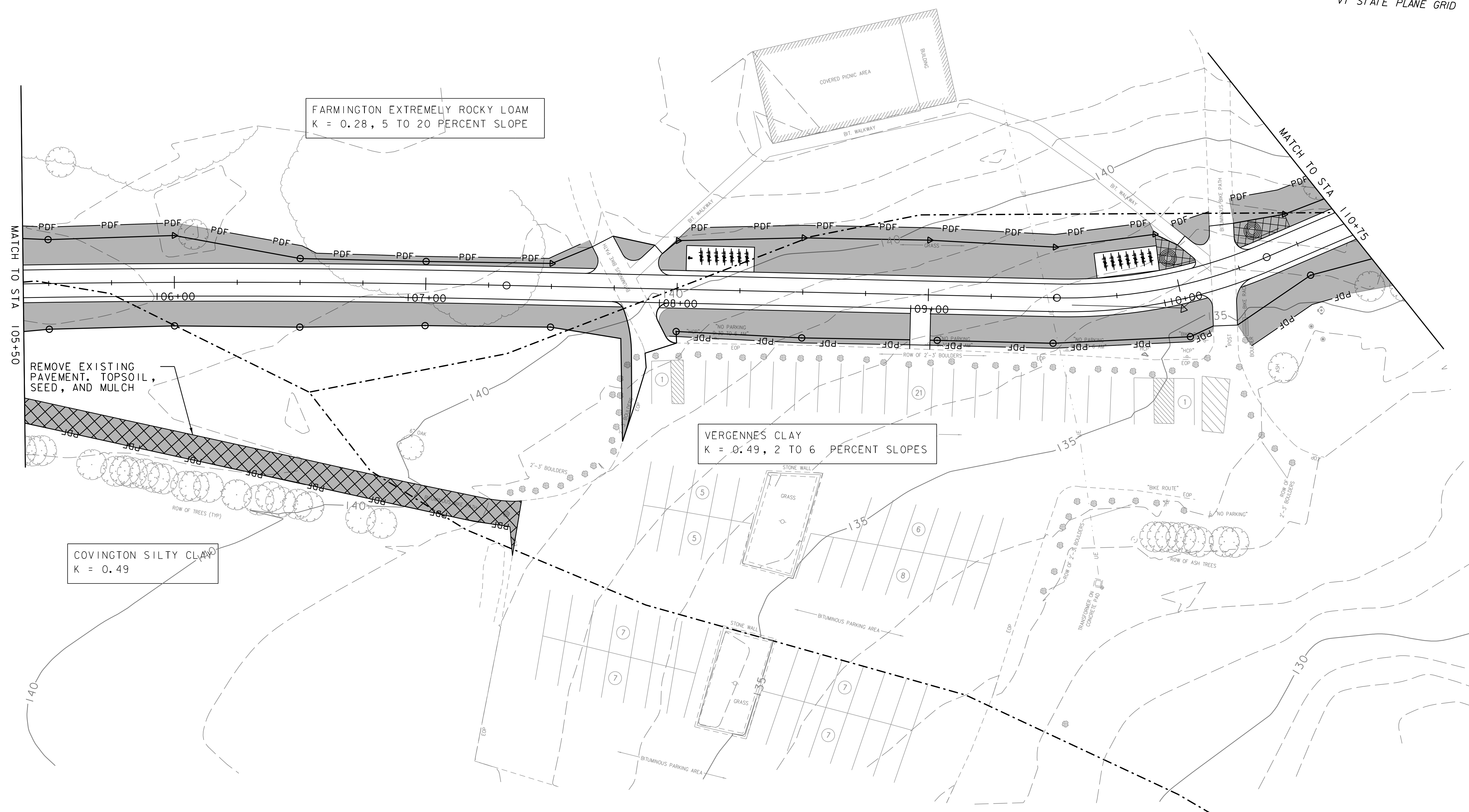
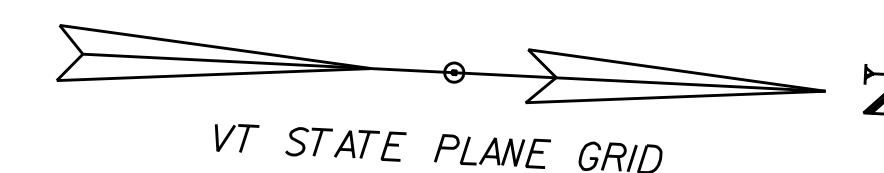
**BEGIN PROJECT
STA. 100+15.27**

COVINGTON SILTY CLAY
K = 0.49

REMOVE EXISTING
PAVEMENT, TOPSOIL,
SEED, AND MULCH

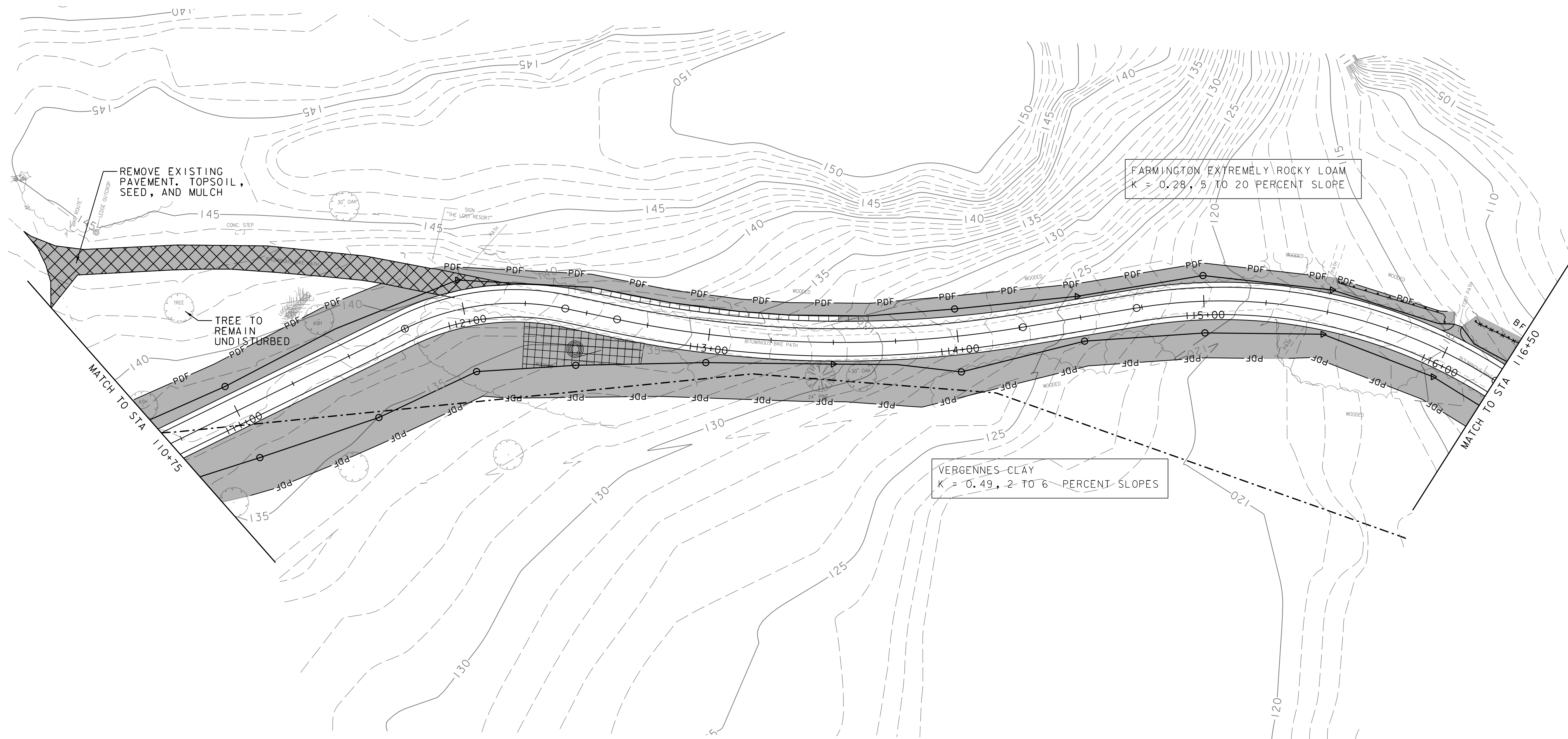
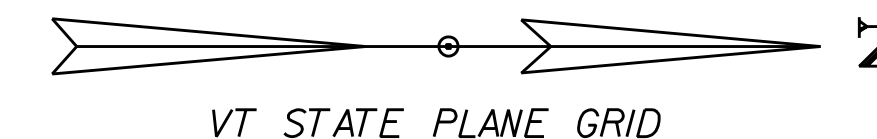


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109bdr_epsc.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
EPSC PLANS (SHEET 1 OF 5)	SHEET 41 OF 48



PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3B		
PROJECT NUMBER:	58109.01		
FILE NAME:	58109bdr_epsc.dgn	PLOT DATE:	2/19/2021
PROJECT LEADER:	E.P.DETRICK	DRAWN BY:	C.K.FORD
DESIGNED BY:	C.K.FORD	CHECKED BY:	E.P.DETRICK
EPSC PLANS (SHEET 2 OF 5)		SHEET	42 OF 48

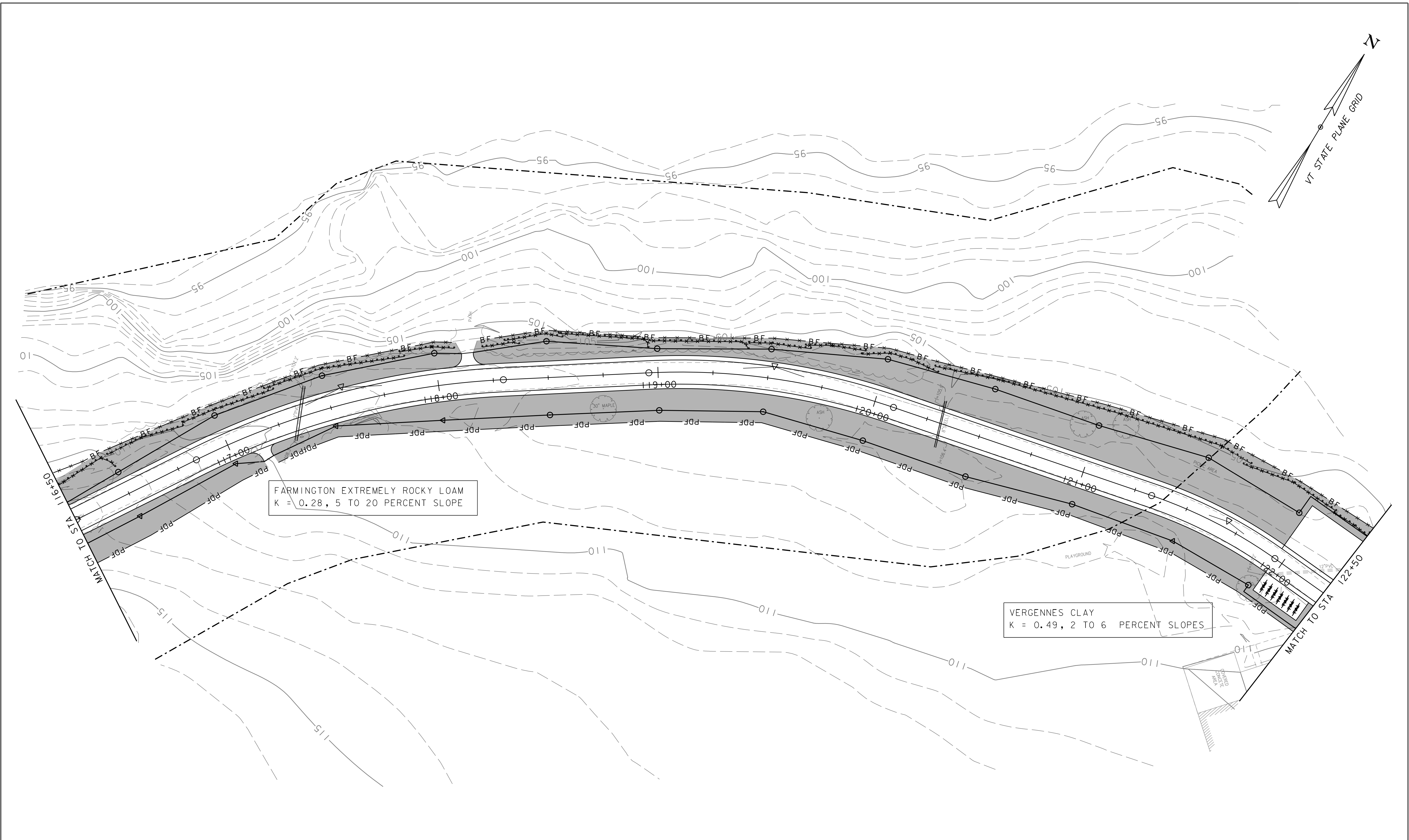




0 20 40
SCALE IN FEET



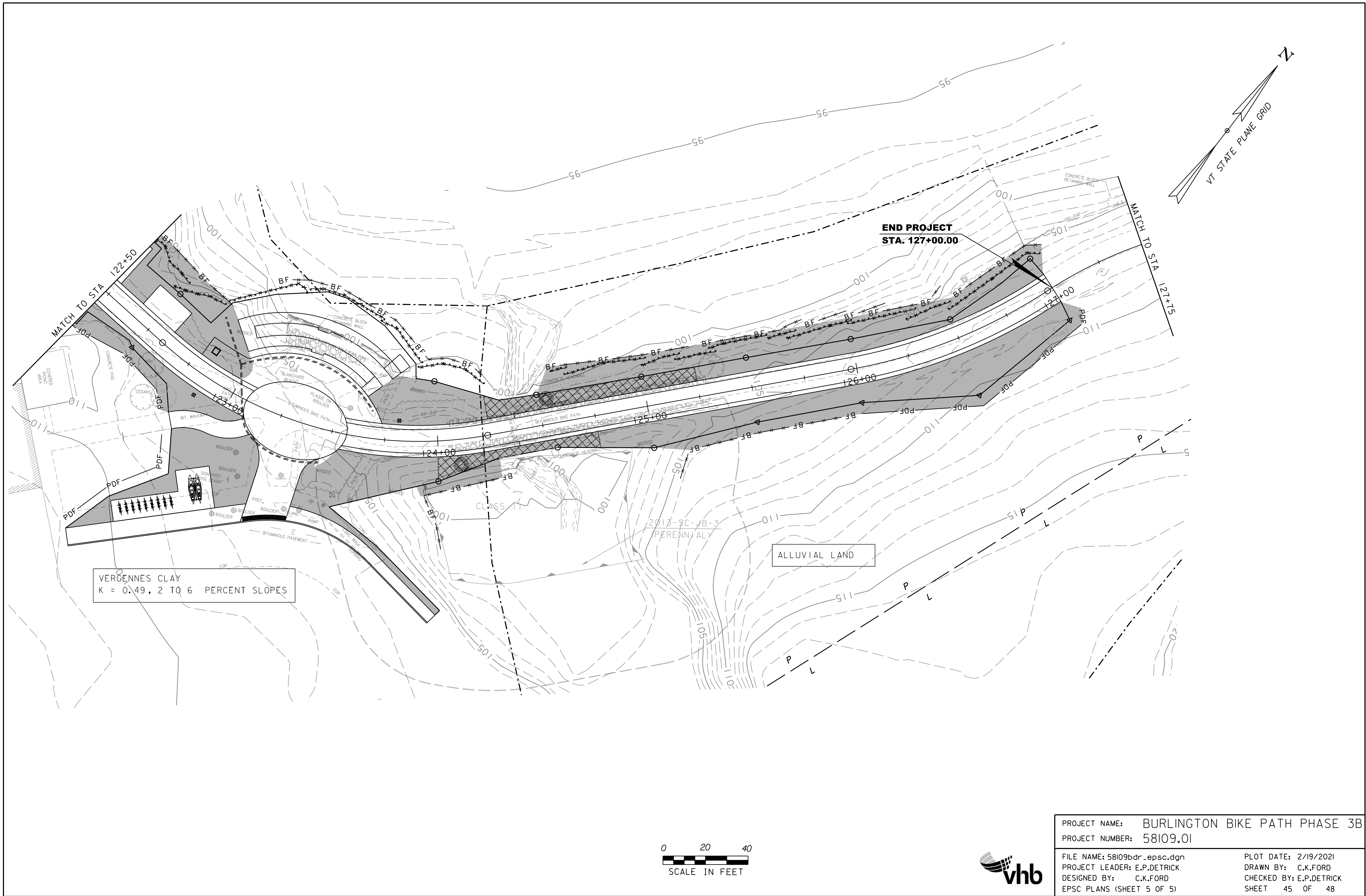
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109bdr_epsc.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
EPSC PLANS (SHEET 3 OF 5)	SHEET 43 OF 48



0 20 40
SCALE IN FEET



PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B	
PROJECT NUMBER: 58109.01	
FILE NAME: 58109bdr_epsc.dgn	PLOT DATE: 2/19/2021
PROJECT LEADER: E.P.DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P.DETRICK
EPSC PLANS (SHEET 4 OF 5)	SHEET 44 OF 48



GENERAL

1. THE FOLLOWING TRAFFIC CONTROL INFORMATION IS INTENDED TO BE A CONCEPTUAL NARRATIVE FOR HOW THE WORK MAY PROCEED. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL ALLOW AT LEAST TWO (2) WEEKS FOR REVIEW AND APPROVAL. MODIFICATIONS TO THE APPROVED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE RESIDENT ENGINEER AT LEAST ONE WEEK PRIOR TO THE IMPLEMENTATION OF THE CHANGE.

2. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL BE DEVELOPED IN ACCORDANCE WITH THE 2018 EDITION OF VTRANS STANDARD SPECIFICATIONS SECTION 641 - TRAFFIC CONTROL AND IN SUBSTANTIAL CONFORMANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH LATEST INTERIMS. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL TEMPORARY SIGNS, PAVEMENT MARKINGS, BARRICADES, AND OTHER DEVICES REQUIRED TO PROVIDE COMPLETE MANAGEMENT OF TRAFFIC. ANY SIGNS NOT INCLUDED IN THE FHWA STANDARD HIGHWAY SIGNS BOOK SHALL INCLUDE SIGN FACE DIMENSIONS AND LAYOUT.

3. TRAFFIC CONTROL PLANS SHALL BE ESTABLISHED TO MAINTAIN THE CONTINUITY OF TRAFFIC THROUGH THE CORRIDOR. TRAFFIC CONTROL SIGNS SHALL BE ADJUSTED AT THE COMPLETION OF EACH CONSTRUCTION PHASE AS DIRECTED BY THE RESIDENT ENGINEER. SIGNING, AND OTHER SUPPORTING TRAFFIC CONTROLS DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. INSTALLING, MAINTAINING, ADJUSTING, MODIFYING, AND REMOVING THE TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10 TRAFFIC CONTROL.

4. TRAFFIC SHALL NOT BE CHANGED FROM ONE PHASE TO THE NEXT UNTIL ALL TEMPORARY SIGNING WORK REQUIRED FOR THE SUBSEQUENT PHASE IS COMPLETED. ANY CONFLICTING PAVEMENT MARKINGS SHALL BE MASKED WITH PAVEMENT MARKING MASK OR REMOVED BY GRINDING. EXISTING PAVEMENT MARKINGS THAT ARE TO REMAIN FOR LATER USE SHALL BE MASKED WITH PAVEMENT MARKING MASK.

5. EXISTING SIGNS SHALL REMAIN UNTIL THEY ARE NO LONGER REQUIRED. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROLS SHALL BE COMPLETELY COVERED WITH SOLID COVERS PAINTED BLACK OR REMOVED/RELOCATED AS NEEDED. TEMPORARY SIGNS SHALL BE INSTALLED AS SHOWN IN THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLANS. NEW SIGNING SHALL BE INSTALLED AS IT BECOMES APPLICABLE. ALL PROPOSED SIGNING SHALL BE INSTALLED AND ALL SIGNS TO BE REMOVED SHALL BE REMOVED PRIOR TO THE APPLICATION OF THE FINAL PAVEMENT MARKINGS.

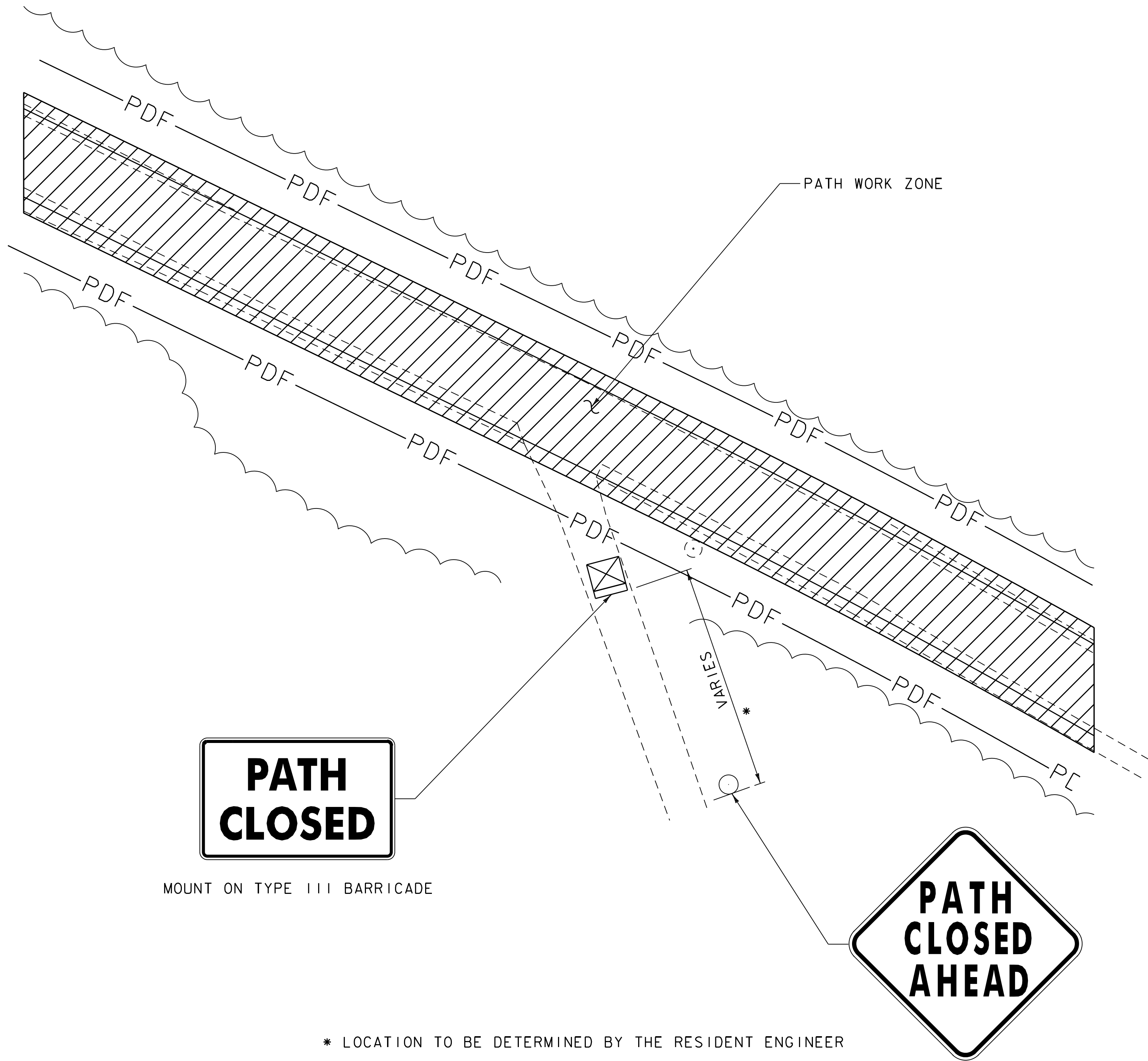
6. ALL SIGNS SHALL BE LOCATED SO THEY ARE VISIBLE AND ABLE TO BE READ BY THE TRAVELING PUBLIC. SIGNS SHALL BE INSTALLED SO AS NOT TO OBSTRUCT EXISTING SIGNS.

7. ALL SIGNS AND BARRICADES SHALL BE INSPECTED AND REPAIRED DAILY. ALL SIGNS SHALL BE CLEANED OF DUST AND DEBRIS WEEKLY.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SIGNAGE.

9. THE CONTRACTOR SHALL PROVIDE AN 8-FOOT HIGH TEMPORARY CHAIN LINK FENCE BEHIND THE TYPE III BARRICADES TO COMPLETELY BLOCK OFF PUBLIC ACCESS AT EACH END OF THE WORK AREAS INCLUDING ALL SIDE ROAD INTERSECTIONS. THE COST OF THE TEMPORARY CHAIN LINK FENCE IS INCIDENTAL TO ITEM 641.10 "TRAFFIC CONTROL".

10. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND TYPES OF SIGNS POSTS WITH DANIEL HILL OF DPW TRAFFIC DIVISION; (802)863-9094.



MOUNT ON TYPE III BARRICADE

* LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER

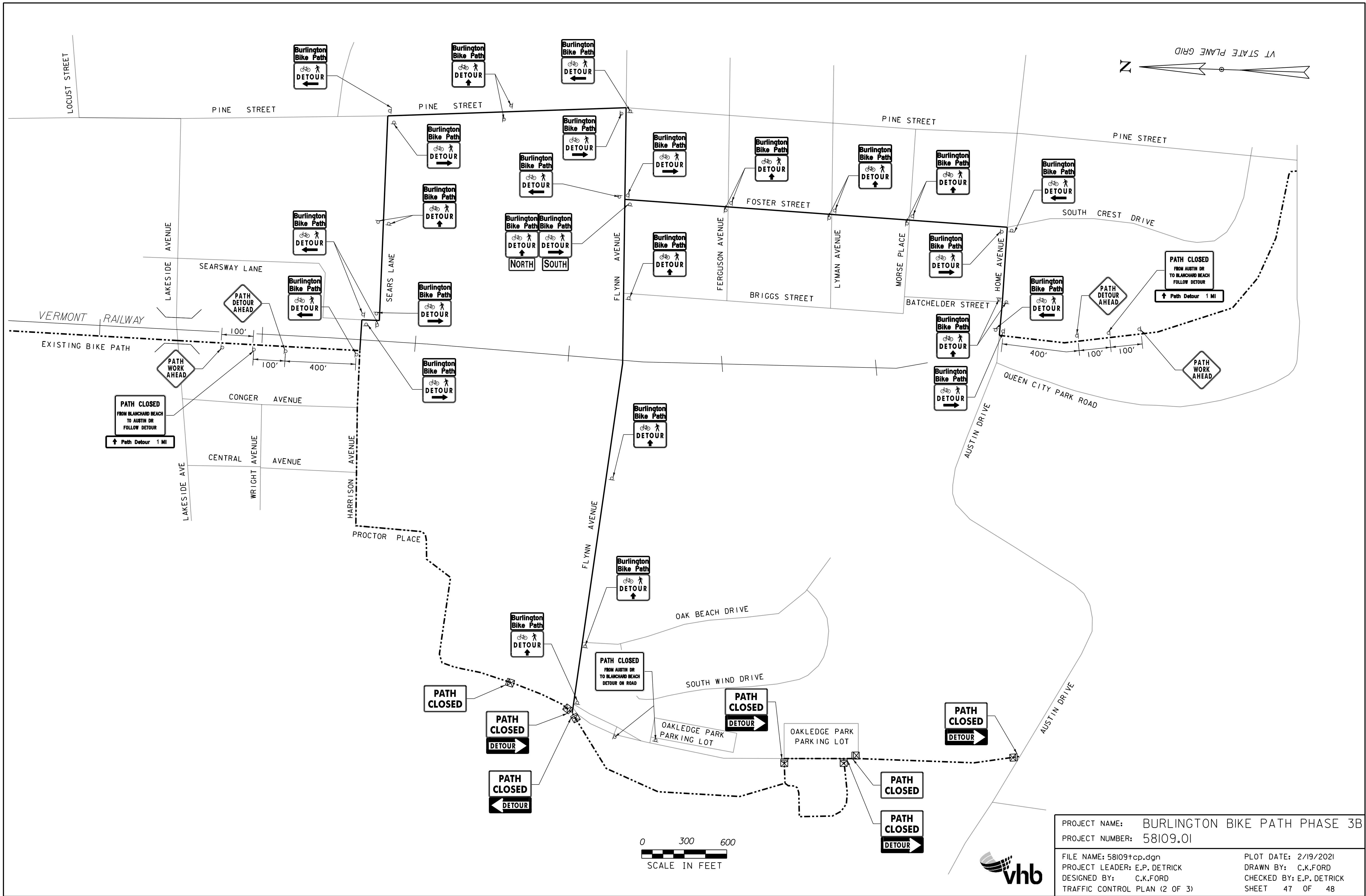
TRAFFIC CONTROL PLAN
FOR SIDE PATHS
N. T. S.

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3B
PROJECT NUMBER: 58109.01

FILE NAME: 58109+tcp.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: C.K.FORD
TRAFFIC CONTROL PLAN (1 OF 3)

PLOT DATE: 2/19/2021
DRAWN BY: C.K.FORD
CHECKED BY: E.P. DETRICK
SHEET 46 OF 48







College Street Intersection



View South from College St.



View North from King St.



View North from Perkins Pier onto
Lake Champlain Transportation
Parking Area

6-8 College Street: Passenger Rail and Bike Path Realignment Project

STATE OF VERMONT
AGENCY OF TRANSPORTATION



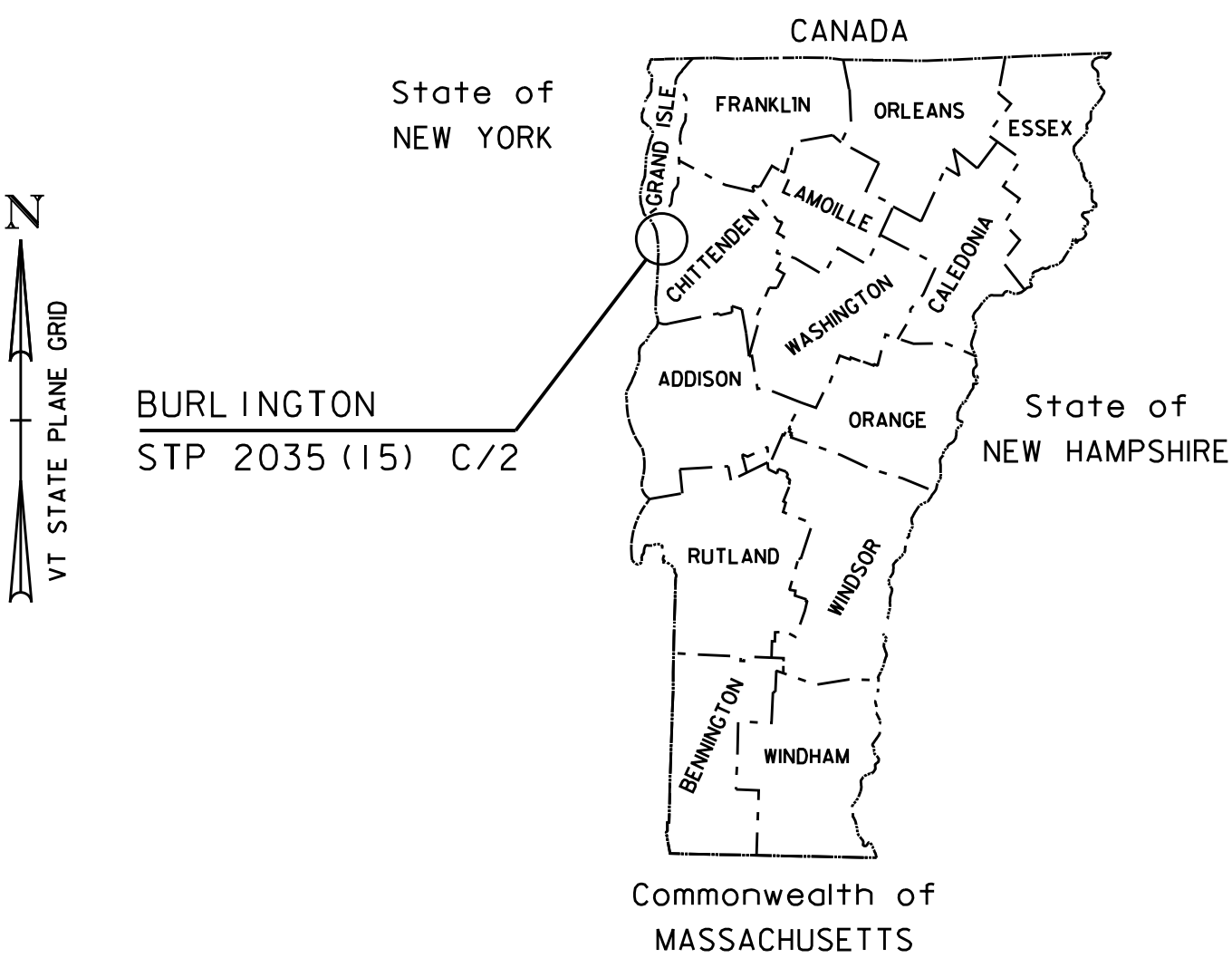
PROPOSED IMPROVEMENT
BURLINGTON GREENWAY
REHABILITATION PROJECT

CITY OF BURLINGTON
COUNTY OF CHITTENDEN

PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, CITY OF BURLINGTON, THE PROJECT RUNS FROM KING STREET TO COLLEGE STREET.

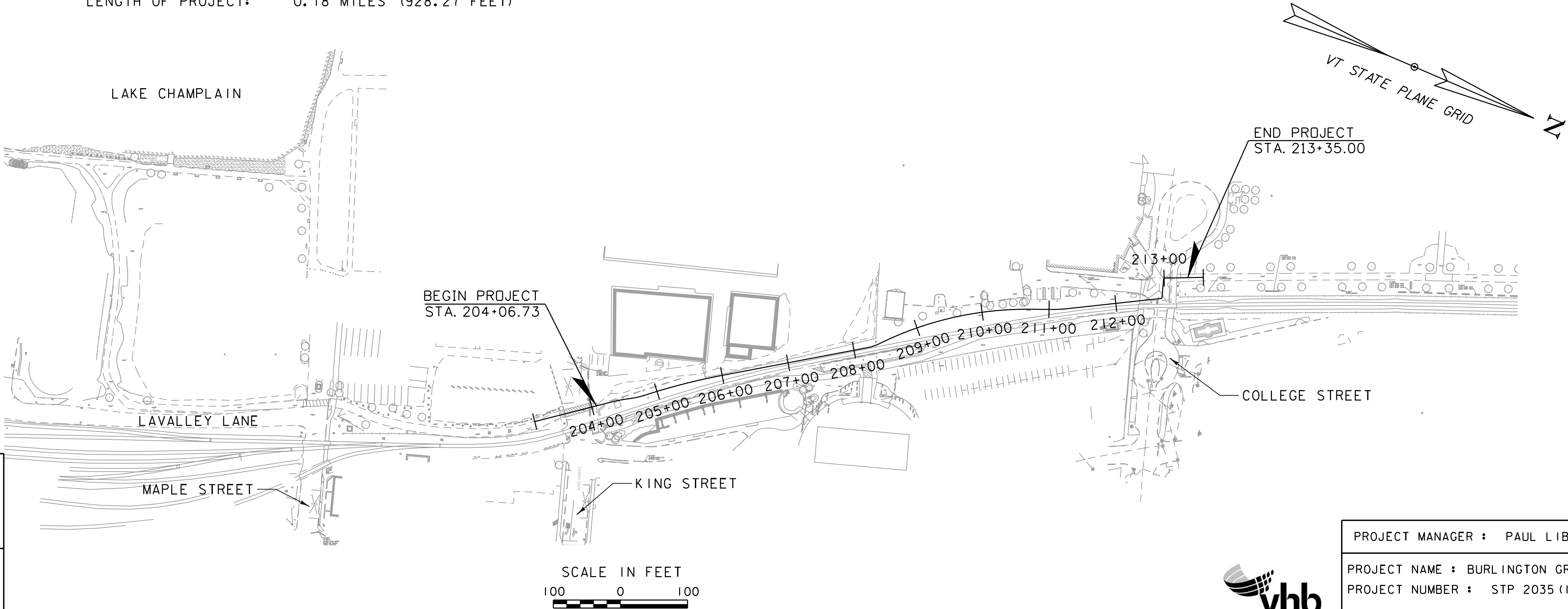
PROJECT DESCRIPTION: WORK TO BE PERFORMED INCLUDES CONSTRUCTING A NEW CONCRETE PATH ON THE WESTERN SIDE OF THE RAILROAD TRACKS; CONSTRUCTION OF A NEW RETAINING WALL; LANDSCAPING IMPROVEMENTS; INSTALLATION OF SIGNS, AND OTHER INCIDENTAL ITEMS.

LENGTH OF PROJECT: 0.18 MILES (928.27 FEET)



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

SURVEYED BY :		VHB ALDRICH + ELLIOT, PC BUTTON PROFESSIONAL LAND SURVEYORS, PC CROSS CONSULTING ENGINEERS
SURVEYED DATE :		AUGUST 2013, AUG. 2015, SEPTEMBER 2018
DATUM		
VERTICAL		NAVD 88
HORIZONTAL		NAD 83 (07)



PROJECT MANAGER :		PAUL LIBBY, P.E.
PROJECT NAME :		BURLINGTON GREENWAY
PROJECT NUMBER :		STP 2035 (15) C/2 (SJ 303)
SHEET		103 OF 138 SHEETS



SPECIAL PROVISION
(BURLINGTON GREENWAY SIGN)
STA 204+09, LT

UNDERDRAIN CARRIER PIPE, 6 INCHES
STA 203+97, LT - STA 204+34, RT

UNDERDRAIN PIPE, 6 INCHES
STA 204+34, RT - STA 208+00, RT

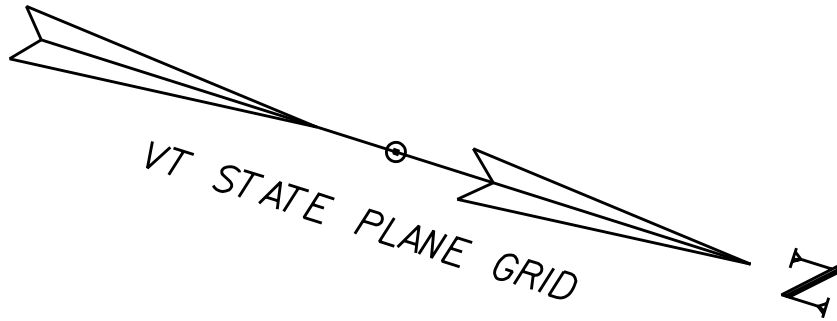
REMOVING SIGNS
STA 204+50, LT (1)
STA 204+80, LT (1)
STA 204+80, RT (1)

RESETTING SIGNS
STA 204+50, LT (1)
STA 204+80, LT (1)

SPECIAL PROVISION (ORNAMENTAL FENCE ON WALL)
STA 205+50 - 208+00, LT

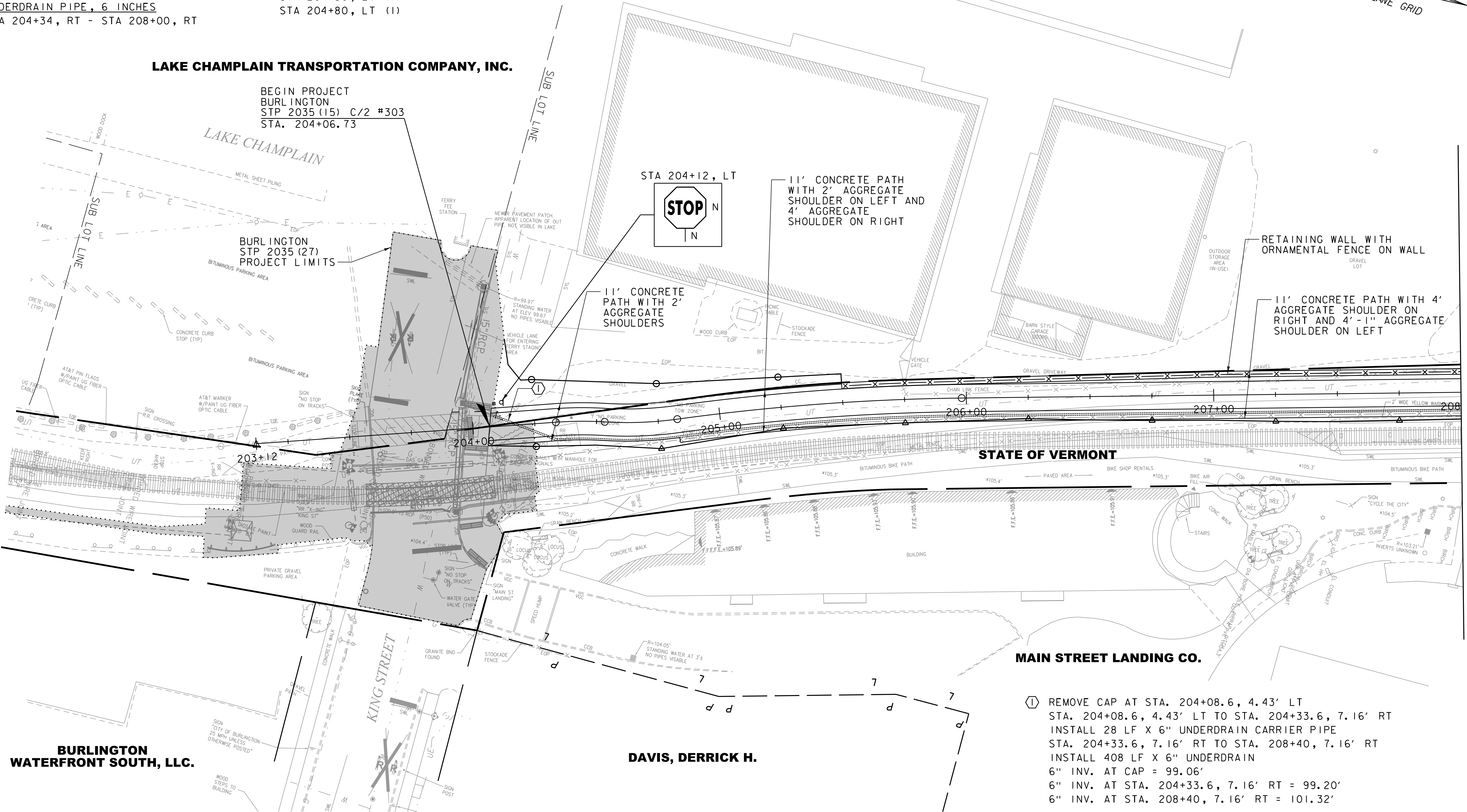
SPECIAL PROVISION (PRECAST CONCRETE
GRAVITY RETAINING WALL)
STA 205+50 - 208+00, LT

LAKE CHAMPLAIN
TRANSPORTATION COMPANY, INC.



LAKE CHAMPLAIN TRANSPORTATION COMPANY, INC.

BEGIN PROJECT
BURLINGTON
STP 2035 (15) C/2 #303
STA. 204+06.73



BURLINGTON
WATERFRONT SOUTH, LLC.

DAVIS, DERRICK H.

- (1) REMOVE CAP AT STA. 204+08.6, 4.43' LT
STA. 204+08.6, 4.43' LT TO STA. 204+33.6, 7.16' RT
INSTALL 28 LF X 6" UNDERDRAIN CARRIER PIPE
STA. 204+33.6, 7.16' RT TO STA. 208+40, 7.16' RT
INSTALL 408 LF X 6" UNDERDRAIN
6" INV. AT CAP = 99.06'
6" INV. AT STA. 204+33.6, 7.16' RT = 99.20'
6" INV. AT STA. 208+40, 7.16' RT = 101.32'

0 20 40
SCALE IN FEET



PROJECT NAME: BURLINGTON
PROJECT NUMBER: STP 2035(15) C/2 (SJ 303)

FILE NAME: 58282bdr_nul.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: B.M. ROBERTS
LAYOUT SHEET (1 OF 2)

PLOT DATE: 1/5/2021
DRAWN BY: B.M. ROBERTS
CHECKED BY: E.P. DETRICK
SHEET 114 OF 138

SPECIAL PROVISION (ORNAMENTAL FENCE ON WALL)
STA 208+00 - 208+39, LT

PRECAST CONCRETE STRUCTURE
(UTILITY VAULT)
STA 212+30, LT

SPECIAL PROVISION (TRENCH DRAIN)
STA 212+26 - 212+22, LT

PVC SEWER PIPE (8")
STA 212+22 - 212+69, LT

SPECIAL PROVISION (PRECAST CONCRETE
GRAVITY RETAINING WALL)
STA 208+00 - 208+39, LT

UNDERDRAIN PIPE, 6 INCHES
STA 208+00 - 208+39, RT

REMOVING SIGNS
STA 212+36, LT (1)
STA 213+22, RT (1)
STA 213+24, LT (2)

REMOVING AND RESETTNG CURB
STA 212+19 - 212+27, LT

RESETTNG SIGNS
STA 212+36, LT (1)
REHAB. DI, CB, OR MH, CLASS I
STA 212+69, LT
STA 212+51, LT
STA 213+11, LT

CHANGING ELEVATION OF DI, CB, OR MH
STA 212+18, LT
STA 212+31, CL
STA 212+32, LT
STA 212+37, LT
STA 213+08, LT

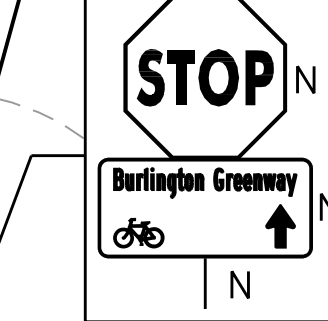
4 INCH YELLOW LINE,
WATERBORNE PAINT
STA 213+27 - 213+77, BL

LETTER OR SYMBOL,
WATERBORNE PAINT
STA 213+82 ("STOP")
STA 213+90 ("AHEAD")

SPECIAL PROVISION
(BURLINGTON GREENWAY SIGN)
STA 212+36, RT
STA 213+22, RT

SEE COLLEGE STREET
ENLARGEMENT PLAN FOR
MORE INFORMATION

B.E.D. VAULT TO
BE REPLACED



END PROJECT
BURLINGTON
STP 2035 (15) C/2 #303
STA. 213+35.00

STA 213+22, RT

REMOVE AND REPLACE WITH
SPECIAL PROVISION
(BURLINGTON GREENWAY SIGN)

CITY DPW PARKS
REC DEPARTMENT

REMOVE AND RESET
PAVERS AS NECESSARY
TO RE-GRADE PLAZA

ADJUST ELEVATION
OF VALVE BOX

BRICK PAVER WITH
SALVAGED BRICKS

CITY OF
BURLINGTON

LAKE CHAMPLAIN BASIN SCIENCE CENTER

11' CONCRETE PATH WITH
2' AGGREGATE SHOULDERS

B.E.D. 3P
TRANSFORMER VAULT

REMOVE
TREE

PROTECT
TREE

REMOVE
TREE

PROTECT
TREES

REMOVE
TREES

PROTECT
TREES

PROTECT
TREES

STATE OF VERMONT

480V STANCHION

MAIN STREET LANDING CO.

STA 212+30, RT



PORTLAND CEMENT CONCRETE
SIDEWALK, 5 INCH

BURLINGTON STP
2035 (15) C/2
PROJECT LIMITS

② STA. 212+25.8, 33.6' LT TO STA. 212+21.8, 14.1' LT
INSTALL 20 LF TRENCH DRAIN
STA. 212+21.8, 14.1' LT TO STA. 212+69.3, 32.6' LT
INSTALL 50 LF X PVC SEWER PIPE (8")
TRENCH DRAIN TOP OF GRATE = 103.35
8" INV. OUT = 100.93

③ STA. 212+50.8, 29.9' LT
REMOVE DI GRATE AND FRAME
REPLACE WITH DMH COVER AND FRAME
RIM ELEV. = 103.60

④ STA. 212+86.5, 8.3' RT TO STA. 213+07.9, 0.7' LT
INSTALL NEW DI, +86.5, 8.3' RT
INSTALL 12 LF X 18" CPEP (SL)
18" INV. OUT = 98.35
RIM ELEV. = 103.10

⑤ STA. 213+07.9, 0.7' LT
REMOVE DI GRATE AND FRAME
REPLACE WITH DMH COVER AND FRAME
18" INV. IN = 98.10
TOP OF GRATE = 102.82

⑥ STA. 213+10.8, 19.9' LT
REHAB. EXIST. DI
TOP OF GRATE = 102.45

⑦ STA. 212+69.3, 32.6' LT
REHAB. EXIST. DMH
8" INV. IN = 99.13
TOP OF RIM = 103.05



PROJECT NAME: BURLINGTON
PROJECT NUMBER: STP 2035(15) C/2 (SJ 303)

FILE NAME: 58282bdr_nul.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: B.M. ROBERTS
LAYOUT SHEET (2 OF 2)

PLOT DATE: 1/5/2021
DRAWN BY: B.M. ROBERTS
CHECKED BY: E.P. DETRICK
SHEET 115 OF 138



LEGEND/NOTES:

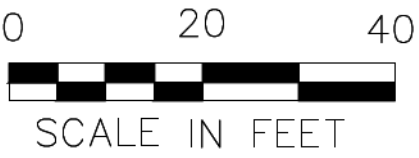
SYMBOL	DESCRIPTION
--------	-------------

- ORNAMENTAL FENCE
- CONCRETE PAVING
- ASPHALT PAVING
- EXPOSED AGGREGATE CONCRETE PAVING
- GRAVEL SHOULDER, TYP.
- RE-USED BRICK SALVAGED FROM COLLEGE STREET
- GRAVITY RETAINING WALL

SEE CIVIL SHEETS FOR CONNECTION TO KING STREET

1
L06-02

GRAVITY RETAINING WALL



PROJECT NAME:	BURLINGTON	PLOT DATE:	1/5/2021
PROJECT NUMBER:	STP 2035(I5) C/2 (SJ 303)	DRAWN BY:	L. GROSSMAN
FILE NAME:	L02-01	CHECKED BY:	E. HUTTON
PROJECT LEADER:	E. HUTTON	SHEET	127 OF 138
DESIGNED BY:	E. HUTTON		
MATERIALS PLAN SHEET (1 OF 2)			

LEGEND/NOTES:

SYMBOL	DESCRIPTION
--------	-------------

- ORNAMENTAL FENCE
- CONCRETE PAVING
- ASPHALT PAVING
- EXPOSED AGGREGATE CONCRETE PAVING
- GRAVEL SHOULDER, TYP.
- RE-USED BRICK SALVAGED FROM COLLEGE STREET
- GRAVITY RETAINING WALL

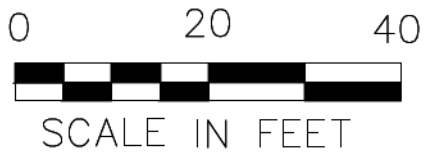


1
L05-00 COLLEGE STREET
ENLARGEMENT PLAN

SEE SHEET L02-01

-1, LOT 080
N/F
T LANDING CO.
3, PAGE 585

MAP 49-1, LOT 085
N/F
CITY OF BURLINGTON
BOOK 529, PAGE 374
MAP
CITY
BOOK



Agency
Landscape + Planning



PROJECT NAME:	BURLINGTON
PROJECT NUMBER:	STP 2035(I5) C/2 (SJ 303)
FILE NAME:	L02-02
PROJECT LEADER:	E. HUTTON
DESIGNED BY:	E. HUTTON
MATERIALS PLAN SHEET (2 OF 2)	
PLOT DATE:	1/5/2021
DRAWN BY:	L. GROSSMAN
CHECKED BY:	E. HUTTON
SHEET	128 OF 138

<u>SYMBOL</u>	<u>DESCRIPTION</u>
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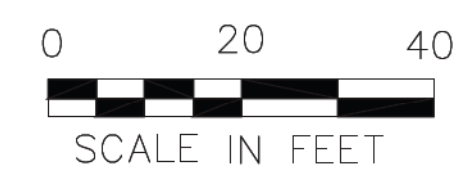
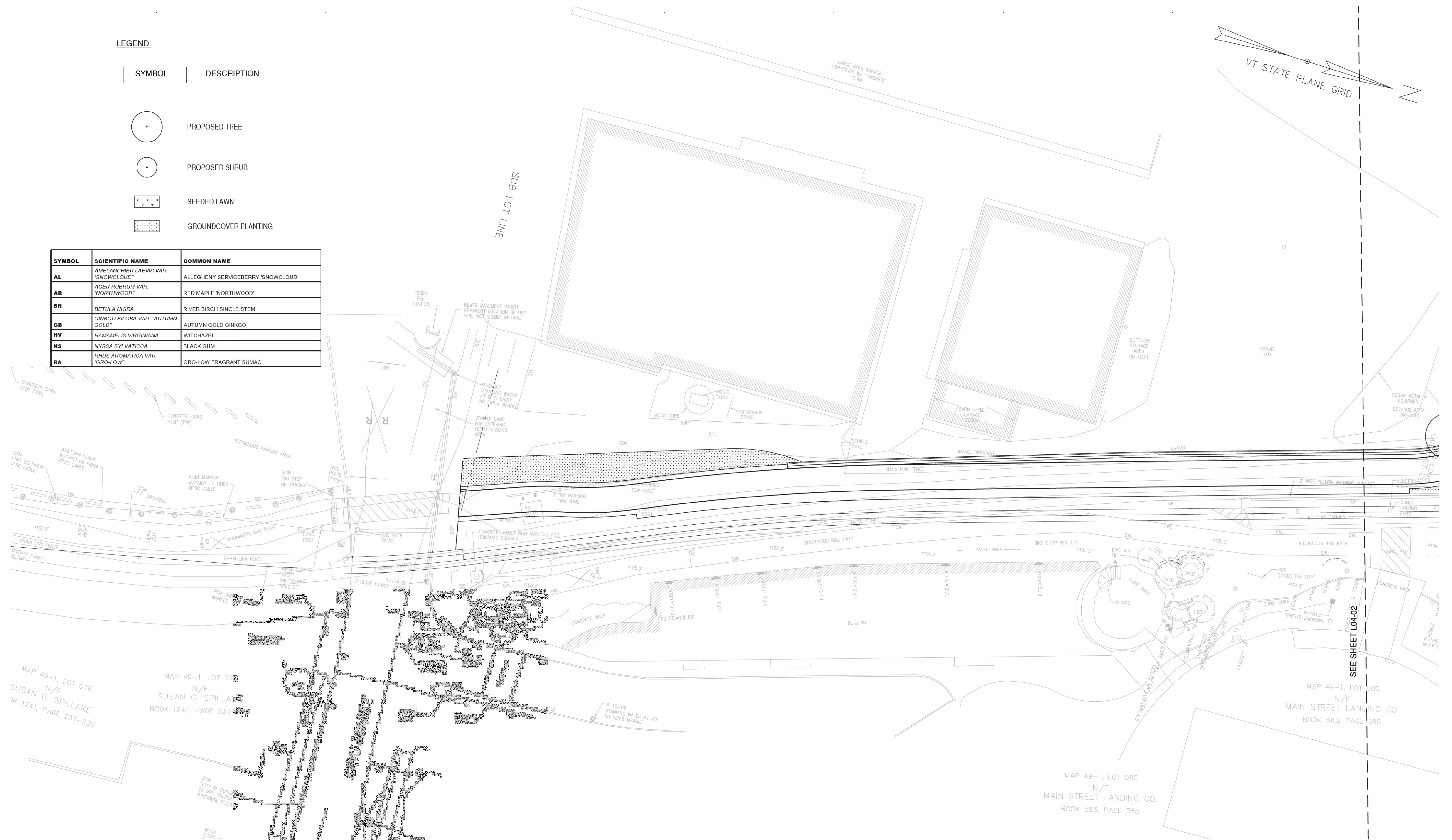
PROPOSED TREE

PROPOSED SHRUB

SEEDED LAWN

GROUNDCOVER PLANTING

SYMBOL	SCIENTIFIC NAME	COMMON NAME
AL	AMELANCHIER LAEVIS VAR. "SNOWCLOUD"	ALLEGHENY SERVICEBERRY 'SNOWCLOUD'
AR	ACER RUBRUM VAR. "NORTHWOOD"	RED MAPLE 'NORTHWOOD'
BN	BETULA NIGRA	RIVER BIRCH SINGLE STEM
GB	GINKGO BILOBA VAR. "AUTUMN GOLD"	AUTUMN GOLD GINKGO
HV	HAMAMELIS VIRGINIANA	WITCHHAZEL
NS	NYSSA SYLVATICA	BLACK GUM
RA	RHUS AROMATICA VAR. "GRO-LOW"	GRO-LOW FRAGRANT SUMAC



Agency
Landscape + Planning



PROJECT NAME:	BURLINGTON
PROJECT NUMBER:	STP 2035(I5) C/2 (SJ 303)

FILE NAME: L04-01
PROJECT LEADER: E. HUTTON
DESIGNED BY: E. HUTTON
PLANTING PLAN SHEET (1 OF 2)

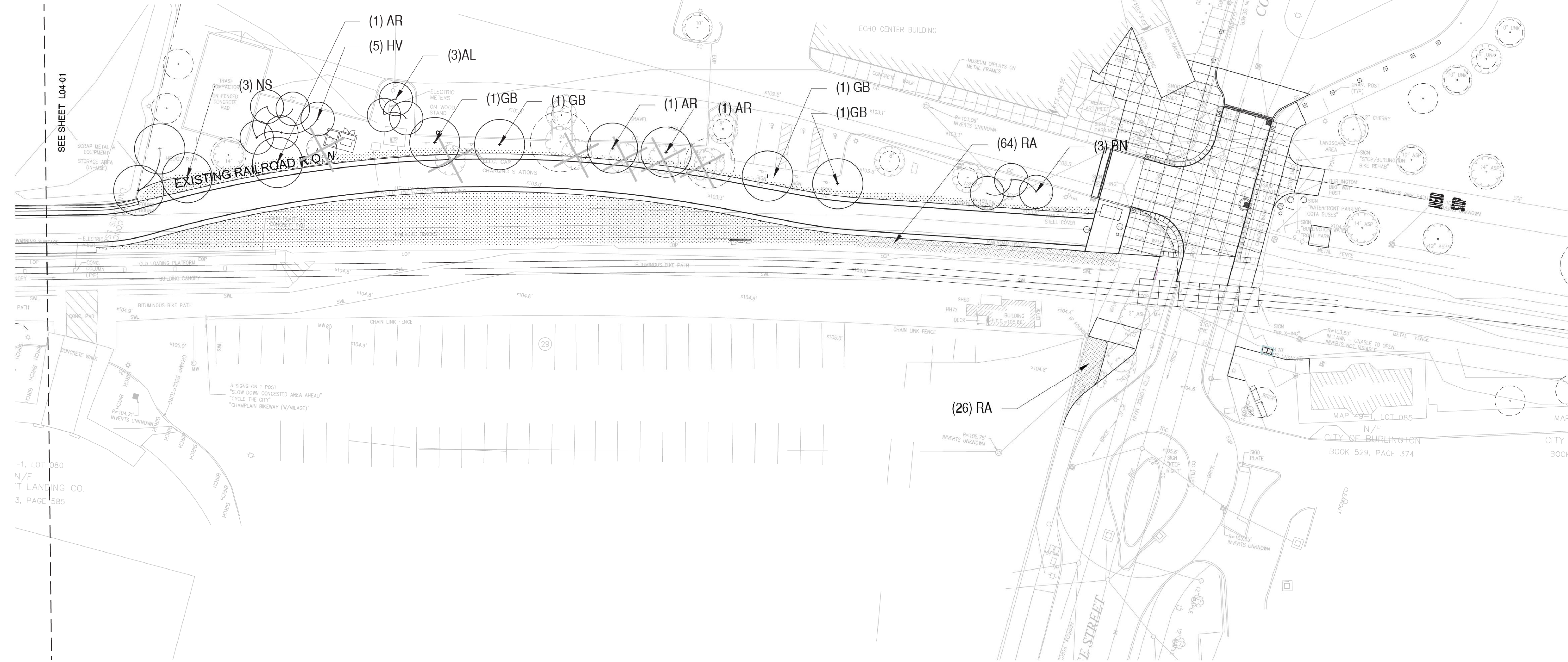
PLOT DATE: 1/5/2021
DRAWN BY: L. GROSSMAN
CHECKED BY: E. HUTTON
SHEET 129 OF 138

LEGEND:

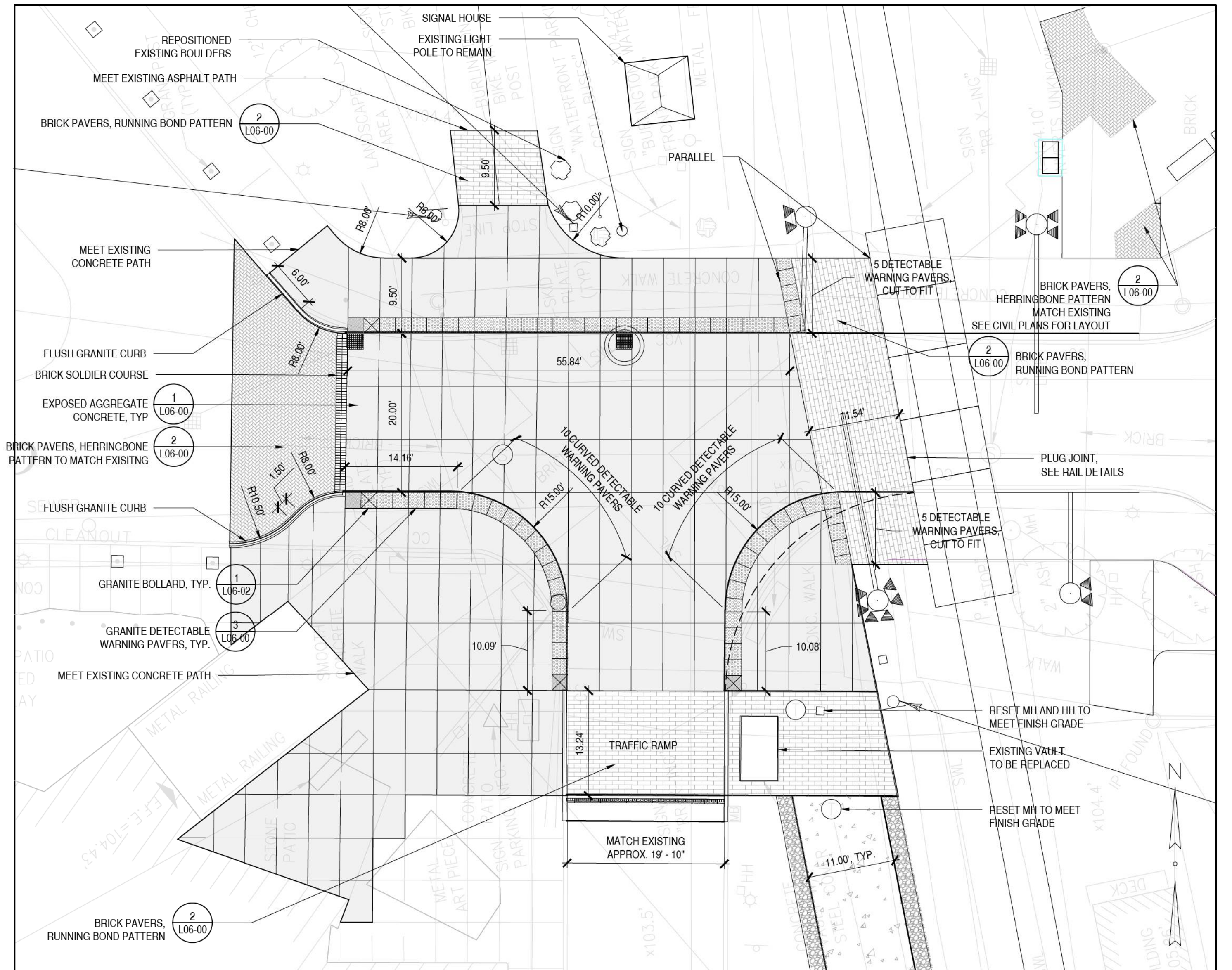
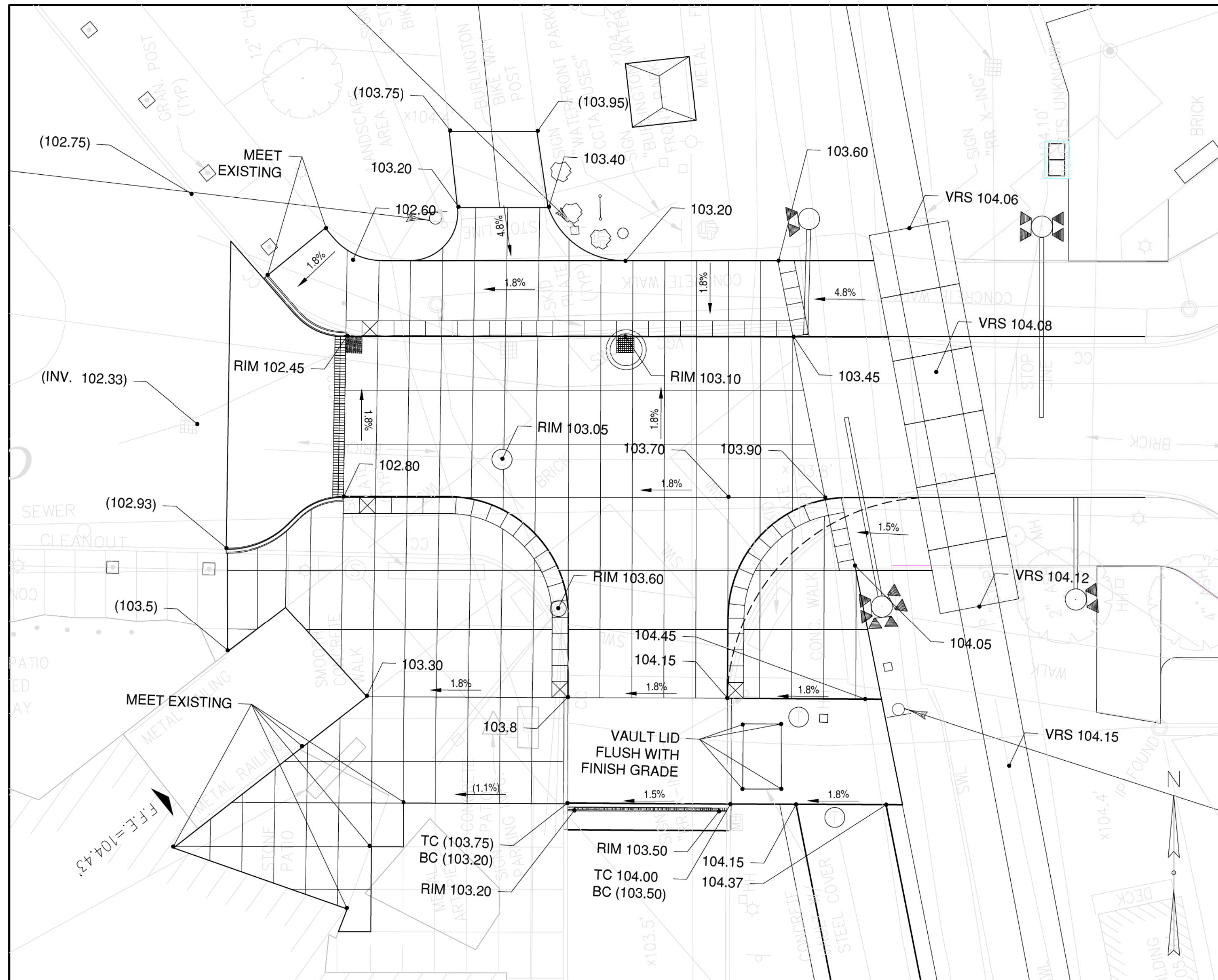
SYMBOL	DESCRIPTION
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- PROPOSED TREE
- PROPOSED SHRUB
- SEEDED LAWN
- GROUNDCOVER PLANTING

SYMBOL	SCIENTIFIC NAME	COMMON NAME
AL	AMELANCHIER LAEVIS VAR. "SNOWCLOUD"	ALLEGHENY SERVICEBERRY "SNOWCLOUD"
AR	ACER RUBRUM VAR. "NORTHWOOD"	RED MAPLE "NORTHWOOD"
BN	BETULA NIGRA	RIVER BIRCH SINGLE STEM
GB	GINKGO BILOBA VAR. "AUTUMN GOLD"	AUTUMN GOLD GINKGO
HV	HAMAMELIS VIRGINIANA	WITCHAZEL
NS	NYSSA SYLVATICA	BLACK GUM
RA	RHUS AROMATICA VAR. "GRO-LOW"	GRO-LOW FRAGRANT SUMAC



PROJECT NAME:	BURLINGTON
PROJECT NUMBER:	STP 2035(I5) C/2 (SJ 303)
FILE NAME:	L04-02
PROJECT LEADER:	E. HUTTON
DESIGNED BY:	E. HUTTON
PLANTING PLAN SHEET (2 OF 2)	
PLOT DATE:	1/5/2021
DRAWN BY:	L. GROSSMAN
CHECKED BY:	E. HUTTON
SHEET	130 OF 138



2 COLLEGE STREET GRADING PLAN
1"=10'

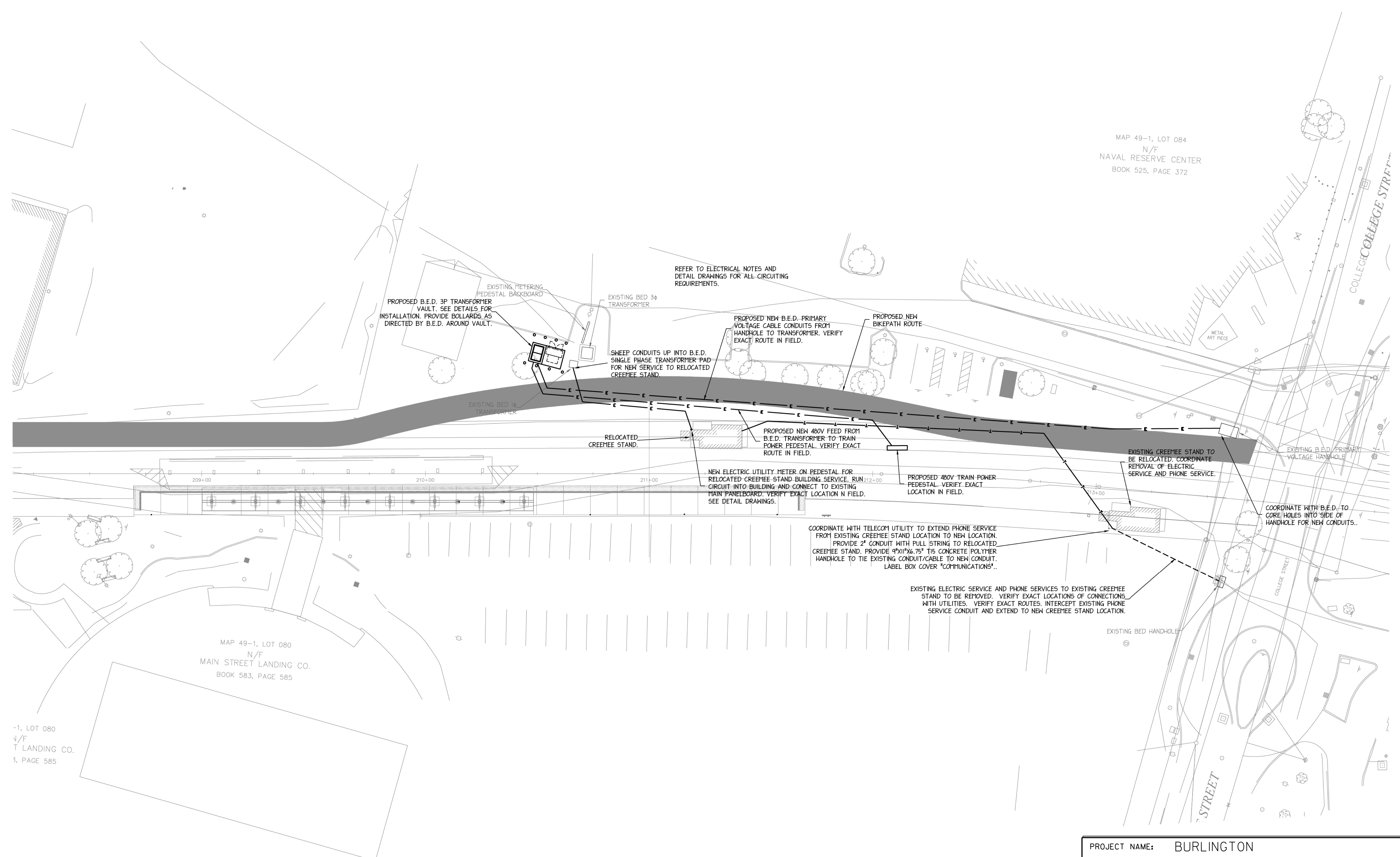
1 COLLEGE STREET ENLARGEMENT PLAN
1"=10'



Agency
Landscape + Planning



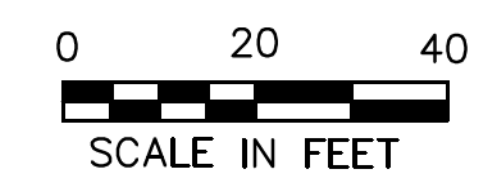
PROJECT NAME:	BURLINGTON
PROJECT NUMBER:	STP 2035(I5) C/2 (SJ 303)
FILE NAME:	L05-00
PROJECT LEADER:	E. HUTTON
DESIGNED BY:	E. HUTTON
ENLARGEMENT SHEET	
PLOT DATE:	1/5/2021
DRAWN BY:	L. GROSSMAN
CHECKED BY:	E. HUTTON
SHEET	131 OF 138



MAP 49-1, LOT 084
N/F
NAVAL RESERVE CENTER
BOOK 525, PAGE 372

MAP 49-1, LOT 080
N/F
MAIN STREET LANDING CO.
BOOK 583, PAGE 585

-1, LOT 080
N/F
T LANDING CO.
3, PAGE 585



PROJECT NAME: BURLINGTON	
PROJECT NUMBER: STP 2035(I5) C/2 (SJ 303)	
FILE NAME: L06-02	PLOT DATE: 1/5/2021
PROJECT LEADER: S.E. BURBANK	DRAWN BY: J. ASKEW
DESIGNED BY: J. ASKEW	CHECKED BY: J. ASKEW
ELECTRICAL SITE PLAN SHEET	SHEET 138 OF 138

STATE OF VERMONT
AGENCY OF TRANSPORTATION



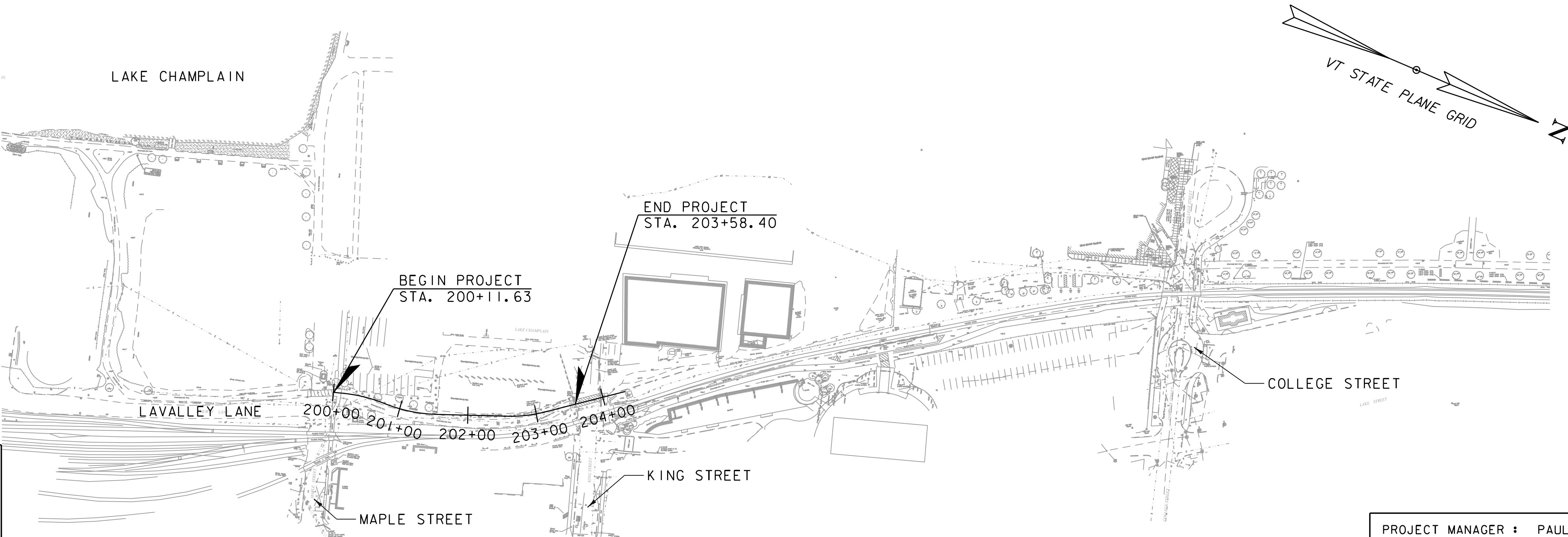
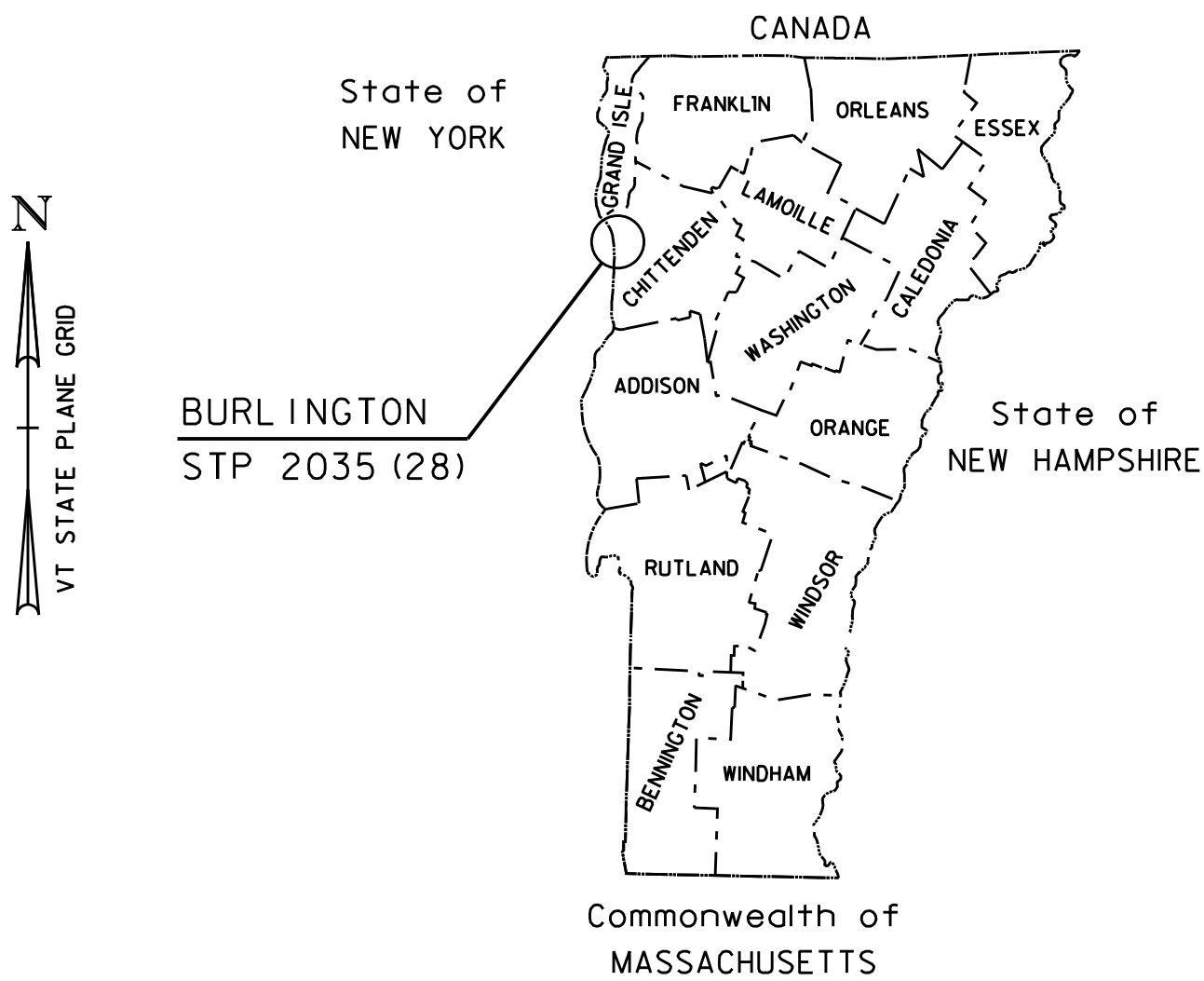
PROPOSED IMPROVEMENT
BURLINGTON GREENWAY
REHABILITATION PROJECT

CITY OF BURLINGTON
COUNTY OF CHITTENDEN

PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, CITY OF BURLINGTON, THE PROJECT RUNS FROM MAPLE STREET TO KING STREET.

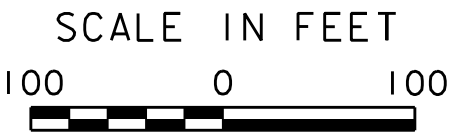
PROJECT DESCRIPTION: WORK TO BE PERFORMED INCLUDES REMOVAL OF THE EXISTING PATH; CONSTRUCTING A NEW PATH ON THE WESTERN SIDE OF THE RAILROAD TRACKS; INSTALLATION OF CURB; INSTALLATION OF PAVEMENT MARKINGS AND SIGNS, AND OTHER INCIDENTAL ITEMS.

LENGTH OF PROJECT: 0.07 MILES (357.72 FEET)



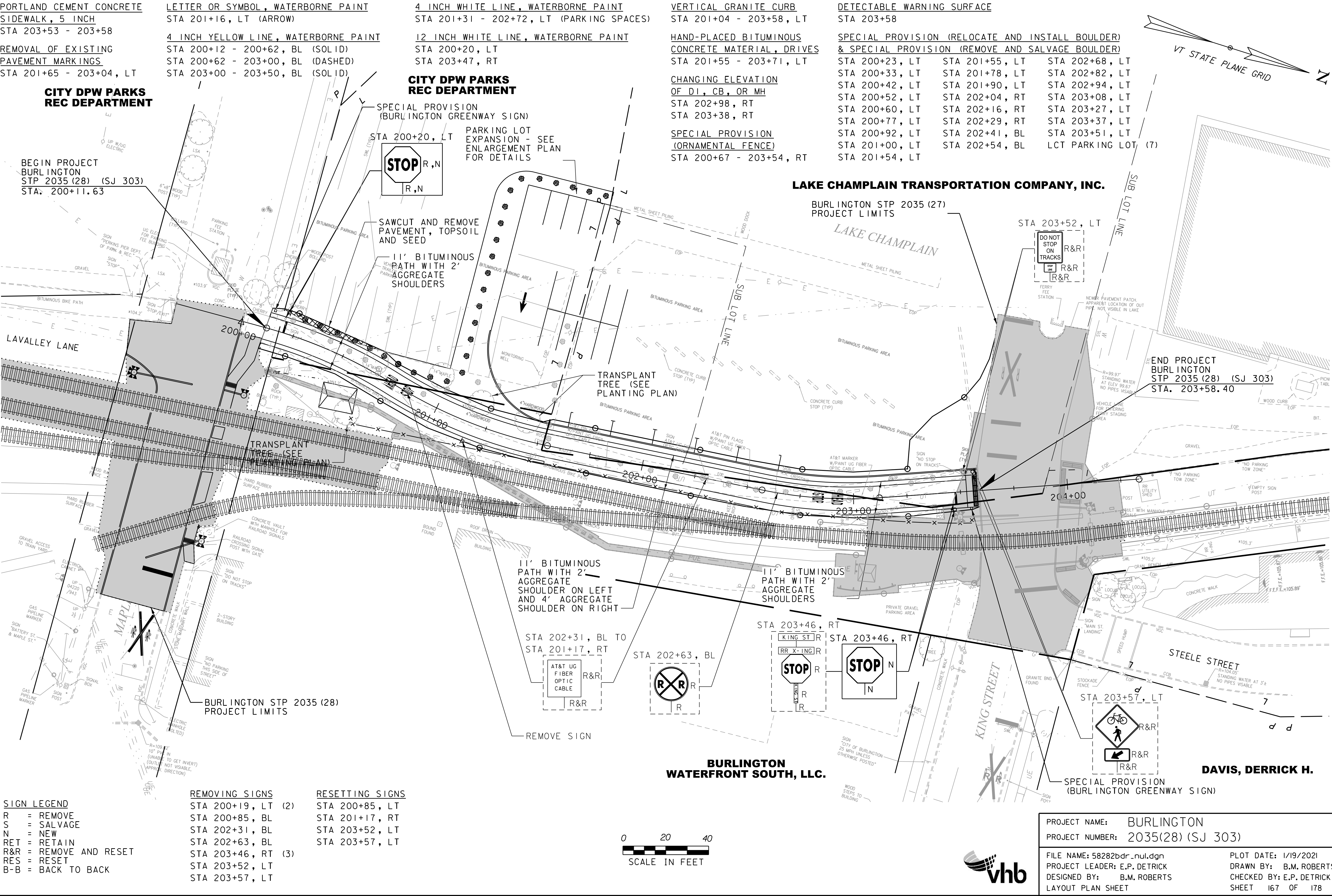
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS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

SURVEYED BY :		VHB ALDRICH + ELLIOT, PC BUTTON PROFESSIONAL LAND SURVEYORS, PC CROSS CONSULTING ENGINEERS
SURVEYED DATE :		AUGUST 2013, AUG. 2015, SEPTEMBER 2018
DATUM		
VERTICAL		NAVD 88
HORIZONTAL		NAD 83 (07)



PROJECT MANAGER :		PAUL LIBBY, P.E.
PROJECT NAME :		BURLINGTON GREENWAY
PROJECT NUMBER :		STP 2035 (28) (SJ 303)
SHEET		158 OF 178 SHEETS

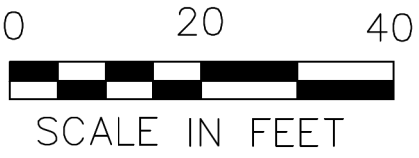
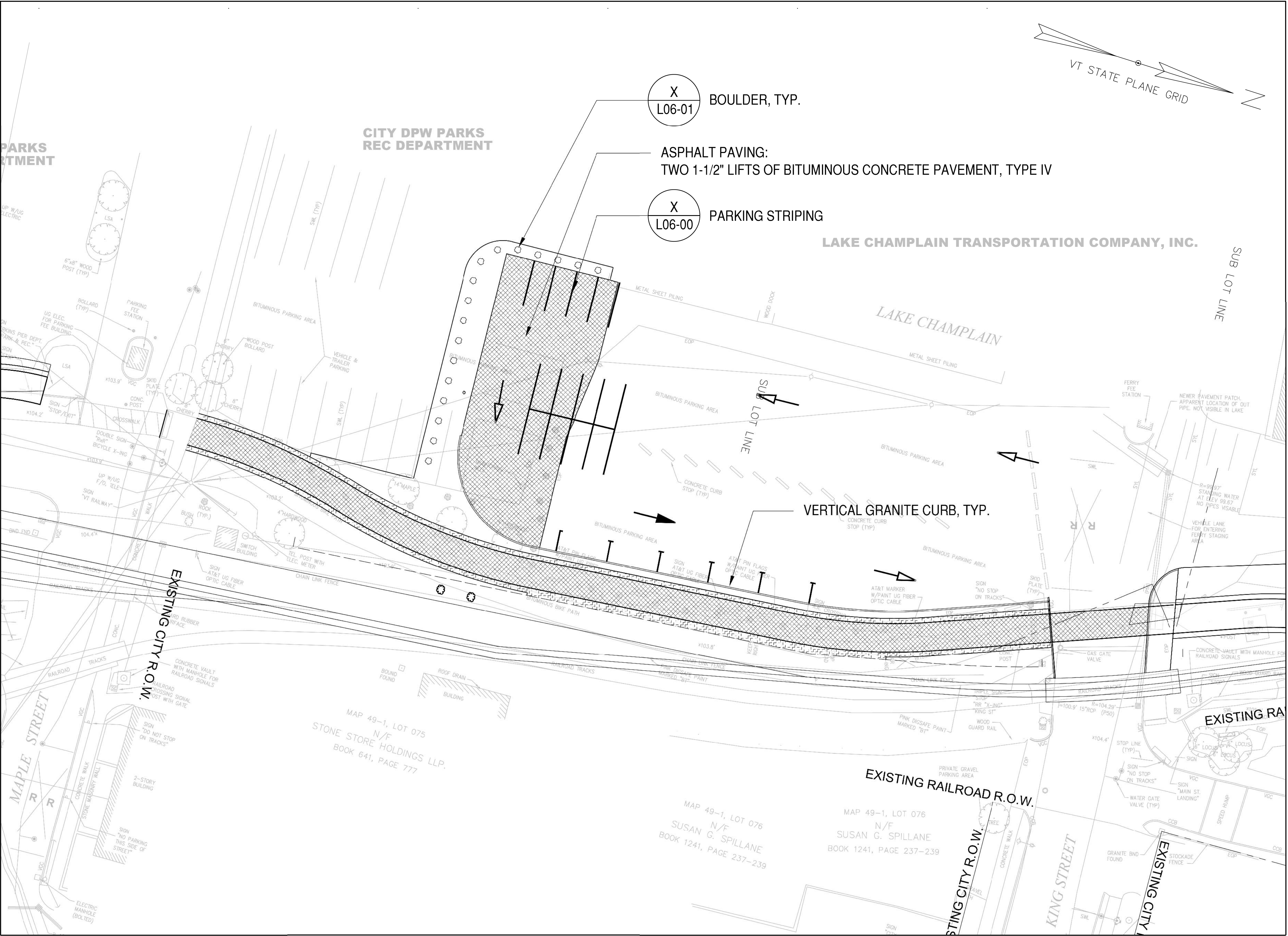




LEGEND/NOTES:

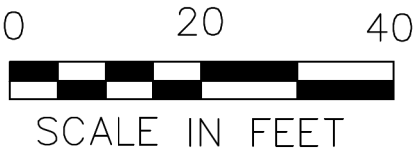
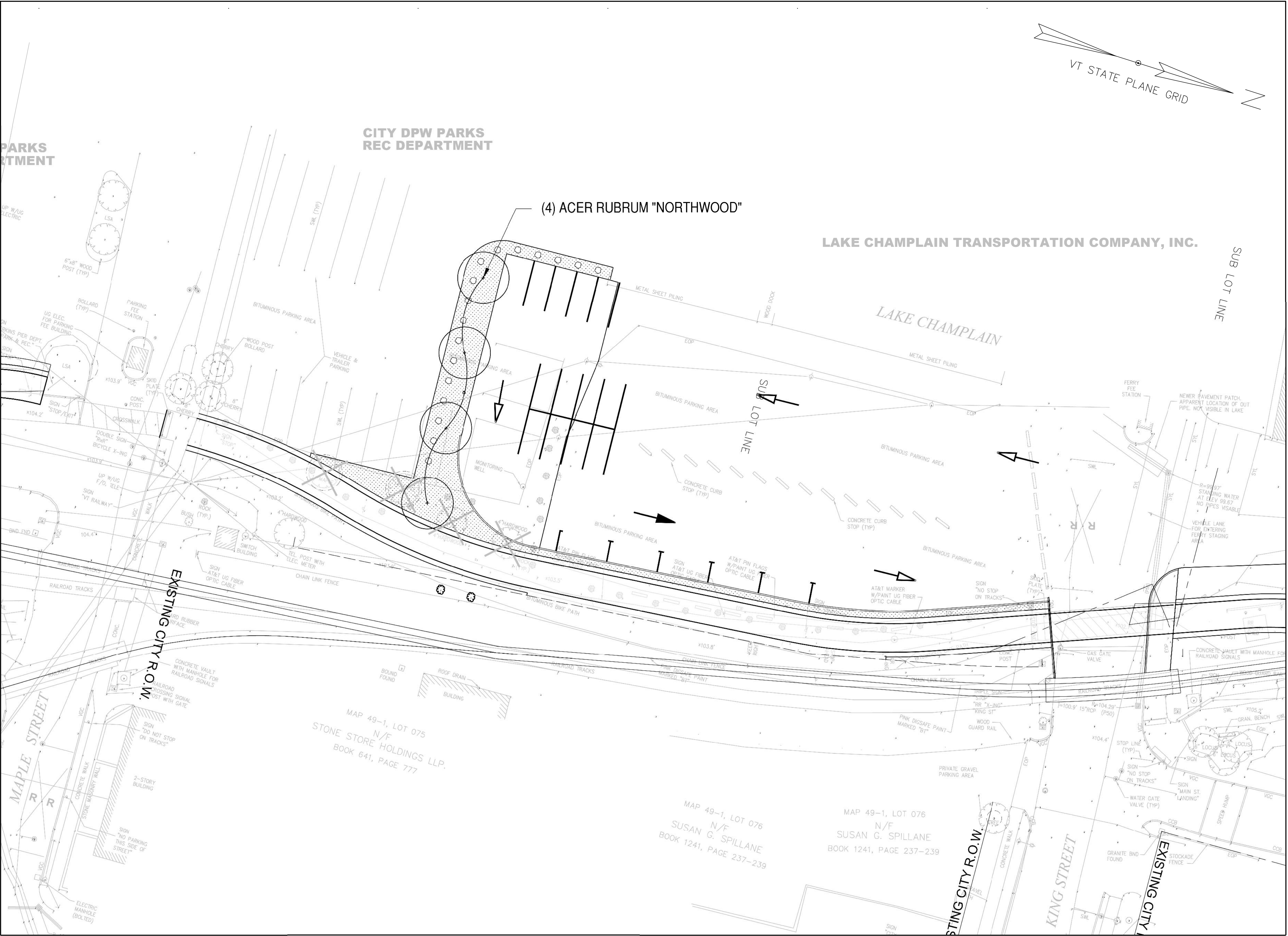
SYMBOL	DESCRIPTION
--------	-------------

- | | |
|---|-----------------------|
|  | ASPHALT PAVING |
|  | GRAVEL SHOULDER, TYP. |



LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED TREE
	PROPOSED SHRUB
	SEEDED LAWN
	GROUND COVER PLANTING



Department of Permitting & Inspections

Zoning Division
645 Pine Street
Burlington, VT 05401
Telephone: (802) 865-7188

William Ward, Director
Scott Gustin, AICP, CFM, Principal Planner
Mary O'Neil, AICP, Principal Planner
Ryan Morrison, Associate Planner
Layne Darfler, Planning Technician
Alison Davis, Planning & Zoning Clerk
Ted Miles, Zoning Specialist
Charlene Orton, Permitting & Inspections Administrator



MEMORANDUM

TO: Development Review Board
FROM: Ryan Morrison, Associate Planner
DATE: May 4, 2021
RE: 21-0677CA; 184-186 North Winooski Ave

=====

Note: These are staff comments only; decisions on projects are made by the Development Review Board, which may approve, deny, table or modify any project. THE APPLICANT OR REPRESENTATIVE MUST ATTEND THE MEETING.

Zone: NMU Ward: 2C

Owner/Applicant: North Winooski Avenue 184 LLC

Request: Demolish an existing garage structure and construct a new four unit apartment building, adding parking in demolished garage footprint.

Applicable Regulations:

Article 3 (Applications, Permits, and Project Reviews), Article 4 (Zoning Maps & Districts), Article 5 (Citywide General Regulations), Article 6 (Development Review Standards), Article 8 (Parking)

Overview:

184-186 North Winooski Ave currently contains a duplex building, 4 surface parking spaces, and a detached garage structure (proposed for demolition) shown to have 2 internal parking spaces and other interior storage. Neither the duplex building nor the detached garage are listed as historical structures. The proposal includes demolishing the garage structure and constructing a 3-story, four-unit apartment building. The applicant proposes 6 surface parking spaces to locate in the footprint of the demolished garage, and to retain 2 of the existing 4 parking spaces.

This application was heard by the Design Advisory Board on April 13, 2021 and on April 27, 2021. After the second meeting, the DAB recommended approval of the application as proposed to the Development Review Board, with the following recommendations:

1. Remove the signage at the third story level;
2. Include a solar layout on the south facing roof; and
3. Add snow guards to the roof.

Previous zoning actions for this property are noted below.

- **ZP17-1080CA;** replacement garage siding, trim, doors and 2 new windows. May 2017.
- **ZP19-0147CA;** replacement door. August 2018.
- **ZP21-0147CA;** replace roof on porch. August 2020.

- **ZP21-0548CA**; after the fact window replacement: wood to vinyl. December 2020.

Recommendation: Certificate of Appropriateness Approval as per the following findings:

I. Findings

Article 3: Applications, Permits and Project Reviews

Part 3: Impact Fees

Section 3.3.2 Applicability

Any new development or additions to existing buildings which result in new dwelling units or in any new non-residential buildings square footage are subject to impact fees.

Impact fees shall be calculated based on the total gross square footage of the principal use. Per the submitted plans, an estimate of the fees is:

SF of Project **4,354**

Department	<u>Residential</u>	
	Rate	Fee
Traffic	0.200	870.80
Fire	0.226	984.00
Police	0.045	195.93
Parks	0.759	3,304.69
Library	0.470	2,046.38
Schools	0.981	4,271.27
Total	2.681	\$ 11,673.07

The applicant shall submit a final calculation of gross square footage to make final an Impact Fee assessment. **Affirmative finding as conditioned.**

Section 3.3.8 Time and Place of Payment

Impact fees must be paid to the city's chief administrative officer / city treasurer according to the following schedule:

- New buildings: Impact fees must be paid at least seven days prior to occupancy of a new building or any portion thereof.*

Affirmative finding as conditioned.

Article 4: Zoning Maps and Districts

Section 4.4.2 Neighborhood Mixed Use Districts

(a) 2. *The Neighborhood Mixed Use (NMU) district is intended to preserve and enhance historically commercial areas while reinforcing the compact scale and development patterns within the city's older neighborhoods. Uses are intended to provide neighborhood oriented goods and services and employment opportunities within walking or biking distance of residential neighborhoods.*

Per Appendix A – Use Table – All Zoning Districts, ‘Attached Dwellings – Multi-Family (3 or more)’ are permitted uses within the NMU zone. **Affirmative finding.**

(b) Dimensional Standards and Density

The density and intensity of development, dimensions of building lots, the heights of buildings and their setbacks from property boundary lines, and the limits on lot coverage shall be governed by the following standards:

Table 4.4.2-1 Dimensional Standards and Density

Districts	Max. Intensity (floor area ratio ¹)	Max. Lot Coverage	Minimum Building Setbacks (feet)			Building Height (feet)
			Front³	Side	Rear	
NMU	2.0 FAR	80%	0 ⁵	0 ²	0 ²	Min: 2'. 2 stories Max: 35
184-186 North Winooski Ave	0.42	71%	8' 6" (19' 6" from N Winooski Ave curb)	4' 6" (south), n/a to north side	42'	34' 6 ¾" (to mid-point of roof pitch)

1. Floor area ratio is described in Sec. 5.2.7. Measurement of and exceptions to height limits are found in Sec 5.2.6. Bonuses for additional FAR and height where available are described in section (d)3 below, and additional height, FAR and lot coverage is afforded by-right for inclusionary housing projects under Sec. 9.1.12. Actual maximum build out potential may be reduced by site plan and architectural design considerations of Art 6.
2. Structures shall be setback a minimum of 15-feet along any zoning district boundary line that abuts a residential zoning district. Lots of record existing as of September 9, 2015 that are split by neighborhood mixed use and residential zones are exempt from this district boundary setback.
3. Structures shall be setback a minimum of 12-feet from the curb on a public street.
4. Exceptions to maximum lot coverage are provided in (d)2.
5. Notwithstanding footnote 4, the NMU district at the intersection of Pine St. and Flynn Avenue shall have a minimum front yard setback of 10 feet.
6. Side and rear yard setbacks are applicable only to the periphery of the NAC-CR district and not to individual parcels within the district.
7. Front yard setbacks for buildings fronting on North Avenue shall be 20' min and 30' max.

A residential zoning district abuts the subject property at the rear. The proposed development will see no structures within the minimum 15 ft zoning district boundary setback at the rear. The new parking area in the footprint of the garage-to-be-demolished will be setback a distance of 6 ft from this zoning district boundary. Parking is allowed side and rear yard minimum setbacks of 5 ft where greater building setbacks are required – see Sec. 5.2.5 below. **Affirmative finding.**

(c) Permitted and Conditional Uses

Multi-Family Dwellings (3 or more units) are permitted uses in the NMU zoning district. **Affirmative finding.'**

(d) District Specific Regulations

1. *Ground Floor Residential Units Restricted*

In order to maintain an active streetscape for pedestrians and pedestrian-oriented businesses and activities, residential uses shall not be permitted within 25-feet of a public street right-of-way along the street-level frontage in the NAC District. This restriction shall not apply in the NAC-Riverside and NAC-Cambrian Rise Districts.

The property is zoned NMU. Not applicable.

2. *Exception to Maximum Lot Coverage in the NAC District*

Not applicable.

3. *Development Bonuses/Additional Allowances*

No bonuses or additional allowances are included or sought. Not applicable.

Article 5: Citywide General Standards

Section 5.2.3 Lot Coverage Requirements

See Table 4.4.2-1, above. **Affirmative finding.**

Section 5.2.4 Buildable Area Calculation

This provision only applies to properties 2-acres or greater in size, and in the RCO, WRM, RM, WRL, and RL zoning districts. Not applicable.

Section 5.2.5 Setbacks

See Table 4.4.2-1, above.

Sec. 5.2.5 (b) Exceptions to Yard Setback Requirements

5. Accessory Structures and Parking Areas

Accessory structures no more than fifteen (15) feet in height, parking areas, and driveways may project into a required side and rear yard setback provided they are no less than five (5) feet from a side or rear yard property line where such a setback is required.

The proposed parking in the footprint of the garage that will be removed will be setback a distance of 6 feet from the rear property line, which also happens to be a residential zoning district boundary line – which would require a building setback minimum of 15 feet. **Affirmative finding.**

Section 5.2.6 Building Height Limits

See Table 4.4.2-1, above. **Affirmative finding.**

Section 5.2.7 Density Calculations

See Table 4.4.2-1, above. **Affirmative finding.**

Section 5.4.9 Brownfield Remediation

Not applicable.

Section 5.5.1 Nuisance Regulations

None identified. **Affirmative finding.**

Section 5.5.2 Outdoor Lighting

The applicant proposes recessed light fixtures in the canopy above the ground floor entrances and on the covered second-story decks. The spec sheets provided indicate that the proposed fixtures comply with the lighting standards of this section. **Affirmative finding.**

Section 5.5.3 Stormwater and Erosion Control

An Erosion Prevention and Sediment Control plan and a Stormwater plan has been submitted to the Stormwater Program Manager for review. It must be approved before this zoning permit can be released. **Affirmative finding as conditioned.**

Section 5.5.4 Tree Removal

The plans indicate that one tree will be removed to accommodate the new structure. **Affirmative finding.**

Article 6: Development Review Standards

Part 1: Land Division Design Standards

No land division is proposed. Not applicable.

Part 2: Site Plan Design Standards

Sec. 6.2.2 Review Standards

(a) Protection of Important Natural Features:

Not applicable. There are no important natural features at this location.

(b) Topographical Alterations:

There are no topographical alterations proposed. The property is relatively flat. **Affirmative finding.**

(c) Protection of Important Public Views:

Not applicable. There are no important public views on and around the property.

(d) Protection of Important Cultural Resources:

Not applicable. The existing duplex structure and detached garage are not listed as historic resources on either State or National Historic Listings.

(e) Supporting the Use of Renewable Energy Resources:

No part of the application will preclude the use of wind, water, solar, geothermal or other renewable energy resource. **Affirmative finding.**

(f) Brownfield Sites:

Not applicable. The property is not listed as a Brownfield Site.

(g) Provide for nature's events:

Special attention shall be accorded to stormwater runoff so that neighboring properties and/or the public stormwater drainage system are not adversely affected. All development and site disturbance shall follow applicable city and state erosion and stormwater management guidelines in accordance with the requirements of Art 5, Sec 5.5.3.

The applicant has submitted an Erosion Prevention and Sediment Control plan and a stormwater plan to the Stormwater Program Manager for review and approval. This must be approved prior to the release of the zoning permit.

Design features which address the effects of rain, snow, and ice at building entrances, and to provisions for snow and ice removal or storage from circulation areas shall also be incorporated.

As proposed, entry doors will be covered by a canopy roof lining the front and north walls of the fourplex. Upper story porches will also be roofed. The site plan identifies a snow storage area in the side yard, beyond the edge of the parking area. **Affirmative finding as conditioned.**

(h) Building Location and Orientation:

Neighboring structures along North Winooski Avenue vary between 2 story, 2 ½ story and 3 story buildings. Most rooflines along this stretch of the street are gabled. The proposed building will have a similar alignment to the street frontage with neighboring structures. This section calls out for buildings within a mixed-use area (which this property is) to provide sufficient space (optimally 12-15 feet) between the curblane and the building face to facilitate the flow of pedestrian traffic. The proposed building will be located 19' 6" from the street curb.

Principal buildings shall have their main entrance facing and clearly identifiable from the public street.

As proposed, and in accordance with the DAB's recommendation of approval, the fourplex will have one street-facing entrance for one ground level apartment. Entrances for the other three units will be on the north side of the building. **Affirmative finding.**

(i) Vehicular Access:

No change to the vehicular access off North Winooski Avenue is proposed. The driveway is shared with 190 North Winooski Avenue, which contains a duplex. Beyond the extent of 190 North Winooski Avenue's driveway use, the driveway continues to the rear of the subject property and to the parking area. **Affirmative finding.**

(j) Pedestrian Access:

No change is proposed to the pedestrian access to the existing duplex. Access to those two units are essentially right off the edge of the sidewalk. The new proposal will include a direct and unobstructed pedestrian path between the new fourplex building and the public sidewalk, as well as between the new structure and the parking area. **Affirmative finding.**

(k) Accessibility for the Handicapped:

The building inspector has jurisdiction over ADA requirements. By his direction and per Chapter 8 of the Burlington Code of Ordinances, 4 to 14 units must provide 1 accessible unit. **Affirmative finding.**

(l) Parking and Circulation:

The site plan identifies 8 surface parking spaces, with ample maneuvering area to back out of each space and leave the property in a forward manner. Because the property is in the Multimodal Mixed-Use Parking District, there are no longer any minimum parking requirements, so the new development technically doesn't require any new onsite parking. However, there is a maximum parking limit for the Multimodal Mixed-Use Parking District which limits parking spaces to '100% of the minimum number of spaces required for the Shared Parking District for any given use as

required in Table 8.1.8-1'. For a duplex use and a multifamily use (3 or more units) in the Shared Parking District, parking is required at the rate of 2 spaces per unit and 1 space per unit, respectively. As a result, given the duplex use and the multifamily use (4 units), a maximum allowance of 8 onsite parking spaces is allowed. See Article 8 below. **Affirmative finding.**

(m) Landscaping and Fences

The plans indicate two new trees behind the new fourplex, and new planting beds consisting of shrubs and/or small trees and bulb flowers at the front of the fourplex and along the pedestrian walkway. A hedgerow is planned along the rear property line to screen half of the new parking area from view from the abutting property to the rear. The plans do not indicate, but will need to, all plant species to be used. The plans show an existing fence along the south property line, and a trash/recycling/compost enclosure that will be fenced in. No other fencing is proposed.

Affirmative finding as conditioned.

(n) Public Plazas and Open Space:

There is no requirement within the ordinance to provide a public plaza. The property will have lawn space between the new building and the rear parking area that will provide some outdoor enjoyment. **Affirmative finding.**

(o) Outdoor Lighting:

Where exterior lighting is proposed the applicant shall meet the lighting performance standards as per Sec 5.5.2.

The applicant proposes recessed light fixtures in the entrance canopy and on the covered second-story decks. The spec sheets provided indicate that the proposed fixtures comply with the lighting standards of Sec. 5.5.2 CDO. **Affirmative finding.**

(p) Integrate infrastructure into the design:

Exterior storage areas, machinery and equipment installations, service and loading areas, utility meters and structures, mailboxes, and similar accessory structures shall utilize setbacks, plantings, enclosures and other mitigation or screening methods to minimize their auditory and visual impact on the public street and neighboring properties to the extent practicable.

Utility and service enclosures and screening shall be coordinated with the design of the principal building, and should be grouped in a service court away from public view. On-site utilities shall be placed underground whenever practicable. Trash and recycling bins and dumpsters shall be located, within preferably, or behind buildings, enclosed on all four (4) sides to prevent blowing trash, and screened from public view.

Any development involving the installation of machinery or equipment which emits heat, vapor, fumes, vibration, or noise shall minimize, insofar as practicable, any adverse impact on neighboring properties and the environment pursuant to the requirements of Article 5, Part 4 Performance Standards.

The elevation drawings show electric and gas meters, and what appear to be ground-mounted heat pump units, along the south wall. Mailboxes will be placed on the north wall, along the pedestrian walkway. A trash/recycling/compost enclosure is shown in the northeast corner of the property, just to the side of the new parking row. **Affirmative finding.**

Part 3: Architectural Design Standards
Sec. 6.3.2 Review Standards

(a) Relate development to its environment:

1. Massing, Height and Scale:

The plans include a street-level view of neighboring structures. The fronts of these structures range in height from 2 to 2 ½ stories in height, and it appears that some, in particular the adjacent structure to the south, have built third story additions in the rear. Given the height of the 3rd floor, the proposed building is almost more of a 3 ½ story building. **Affirmative finding.**

2. Roofs and Rooflines.

Most structures along this section of North Winooski Avenue have gabled roofs with what appear to be consistent pitches. The roof on the new fourplex will be gabled with a pitch similar to that of other neighboring roofs (10:12). **Affirmative finding.**

3. Building Openings

A consistent window/door pattern is proposed throughout. The front and rear (west/east) elevations will each see a second floor covered deck with sliding door access. Windows will be appropriately installed on each floor. The sides (north/south) will see a consistent window pattern on each floor, with the three entry doors at the ground level. **Affirmative finding.**

(b) Protection of Important Architectural Resources:

Not applicable.

(c) Protection of Important Public Views:

Not applicable. There are no important public views on and around the property.

(d) Provide an active and inviting street edge:

Building facades shall be varied along the street edge by the integration of architectural features, building materials, or physical step-backs of the façade along its length. ..This may be accomplished by incorporating fenestration patterns, bays, horizontal and vertical façade articulations, the rhythm of openings and prominent architectural features such as porches, patios, bays, articulated bases, stepping back an elevation relative to surrounding structures, and other street level details. The use of traditional façade components such as parapet caps, cornices, storefronts, awnings, canopies, transoms, kick plates, and recessed entries are highly encouraged. In areas where high volumes of pedestrian traffic are desired, the use of architectural recesses and articulations at the street level are particularly important in order to facilitate the flow of pedestrian traffic.

The front façade will offer a varied appearance with the window layout and second floor deck. However, the 3rd story elevation only offers two side-by-side casement windows, with the rest being a large blank wall. **Affirmative finding.**

(e) Quality of materials:

All development shall maximize the use of highly durable building materials that extend the life cycle of the building, and reduce maintenance, waste, and environmental impacts. Such materials

are particularly important in certain highly trafficked locations such as along major streets, sidewalks, loading areas, and driveways. Efforts to incorporate the use of recycled content materials and building materials and products that are extracted and/or manufactured within the region are highly encouraged.

The proposal calls for metal siding on the majority of the building. Lap siding will also be used on much of the second floor (all sides), on the first floor north elevation, and also on the central portion of the third floor, north elevation. Asphalt shingles will be used for the roofing. The applicant proposes vinyl clad wood windows, and aluminum clad wood doors. These materials are common in new construction and are durable. **Affirmative finding.**

(f) Reduce energy utilization:

All new construction is required to meet the Guidelines for Energy Conservation, Section 8 of the City of Burlington Code of Ordinances. **Affirmative finding as conditioned.**

(g) Make advertising features complementary to the site:

A separate sign permit is required for new signage. The plans show a wall sign at the third floor level, front elevation. While this would require a separate sign permit altogether, the sign ordinance prohibits wall signs that exceed the height of the floor level of second story. Additionally, the DAB recommended removing this sign from the proposal. **Affirmative finding as conditioned.**

(h) Integrate infrastructure into the building design:

See Section 6.2.2 (p), above. **Affirmative finding.**

(i) Make spaces secure and safe:

Spaces shall be designed to facilitate building evacuation, accessibility by fire, police or other emergency personnel and equipment, and, to the extent feasible, provide for adequate and secure visibility for persons using and observing such spaces. Building entrances/entry points shall be visible and adequately lit.

New construction shall conform to all building and life safety code as defined by the building inspector and the fire marshal. **Affirmative finding as conditioned.**

Article 8: Parking

Sec. 8.1.8 Minimum Off-Street Parking Requirements

The subject property is located in the Multimodal Mixed-Use Parking District. As such, there is no onsite minimum parking requirement. As proposed, a total of 8 parking spaces will be provided to serve the existing duplex and proposed four-plex. **Affirmative finding.**

Sec. 8.1.9 Maximum On-Site Parking Spaces

Per the Multimodal Mixed-Use Parking District, maximum parking spaces shall be *'100% of the minimum number of spaces required for the Shared Parking District for any given use as required in Table 8.1.8-1.'* The Shared Parking District requires 2 spaces per unit for duplexes, and 1 space per unit for multi-unit attached dwellings. In accordance with these requirements of the Shared Parking District, the duplex would require 4 spaces, and the fourplex would require 4. The development proposes a total of 8 onsite parking spaces, which is compliant with the maximum parking space limitation. **Affirmative finding.**

Sec. 8.1.11 Parking Dimensional Requirements

The proposed parking spaces and driveway (circulation) are compliant with the standards of Table 8.1.11-1. **Affirmative finding.**

Sec. 8.2.5, Bicycle Parking Requirements

Bicycle parking is required at the rate of 1 long term space per 2 bedrooms, and 1 short term space per 10 residential units. Across the 4 units, the plans indicate a total of 12 bedrooms, which results in a minimum of 6 long term spaces, and 1 short term space. The site plan includes a secure bike shelter for 18 bicycles, however no additional plans or elevations for this shelter have been submitted. The applicant will need to provide plans to staff that demonstrate compliance with the minimum long and short term bicycle parking requirements. **Affirmative finding as conditioned.**

I. Conditions of Approval

1. **At least 7 days prior to the issuance of a certificate of occupancy**, the applicant shall pay to the City Treasurer's Office or the Permitting and Inspections Department impact fees as calculated by staff based on the net new square footage of the proposed development. The applicant shall submit a final calculation of gross square footage to make final an Impact Fee assessment. As submitted, estimated Impact fees are:

SF of Project 4,354

Department	<u>Residential</u>	
	Rate	Fee
Traffic	0.200	870.80
Fire	0.226	984.00
Police	0.045	195.93
Parks	0.759	3,304.69
Library	0.470	2,046.38
Schools	0.981	4,271.27
Total	2.681	\$ 11,673.07

2. **Prior to the release of the zoning permit**, the Erosion Prevention and Sediment Control plan and Stormwater plan must be approved by the Stormwater Program Manager.
3. **Prior to the release of the zoning permit**, the plans shall be updated to include specific landscape specie types, and their sizes at the time of planting, subject to staff approval.
4. **Prior to the release of the zoning permit**, the wall sign shown on the third floor shall be removed from the plans.
5. **Prior to the release of the zoning permit**, plans for the bike shelter shall be submitted, subject to staff review and approval.
6. **Prior to the release of the zoning permit**, the applicant shall obtain a letter from the Dept. of Public Works confirming adequate water and sewer capacity.
7. Residential occupancy limits apply. The occupancy of any dwelling unit is limited to members of a family as defined in Article 13. Not more than four unrelated adults may occupy any dwelling unit.
8. Any signage will require a separate sign permit.

9. All new construction is required to meet the Guidelines for Energy Efficient Construction pursuant to the requirements of Article VI. Energy Conservation, Section 8 of the City of Burlington Code of Ordinances.
10. Hours of construction are limited to Monday-Friday 7:00 am to 5:30 pm; Saturday construction hours are limited to interior work unless specific allowances are granted by the DRB. Construction is not permitted on Sundays.
11. The proposed building must comply with all building and life safety code as defined by the building inspector and fire marshal.
12. A State of Vermont wastewater permit is required.
13. Standard Permit Conditions 1-15.

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190

184-186 North Winooski

176

170-172

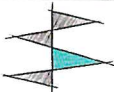
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184-186 NORTH WINOOSKI APT

BURLINGTON, VT

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DATE: 02/12/21

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DRAWN BY: Author

CHECKED BY: Designer

PHASE:

IMAGES &
SCHEDULES

SHEET NO:

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ZONING DISTRICT: NMU

MAX INTENSITY: 2.0 F.A.R.
MAX. LOT COVERAGE = 80%

FRONT: 0'
SIDE: Min: 0' - FIRE CODE 5'
REAR: Min: 15' FOR ABUTTING RESIDENTIAL NEIGHBORHOODS

EXISTING LOT COVERAGE

EXISTING LOT SIZE: 10,031 S.F.*

EXISTING HOUSE: 1,534 S.F.
EXISTING GARAGE: 1,606 S.F.
EXISTING PORCHES: 178 S.F.

EXISTING DECK: 200 S.F.
EXISTING DRIVEWAY: 1,889 S.F.

EX. LOT COVERAGE TOTAL: 5,407 S.F. = 54%

PROPOSED LOT COVERAGE

LOT SIZE: 10,031 S.F.

HOUSE & PORCHES: 1,534 S.F.

NEW APARTMENT & PORCH: 1,630 S.F.
BIKE SHELTER: 104.5 S.F.
DUMPSTER PLATFORM: 159 S.F.

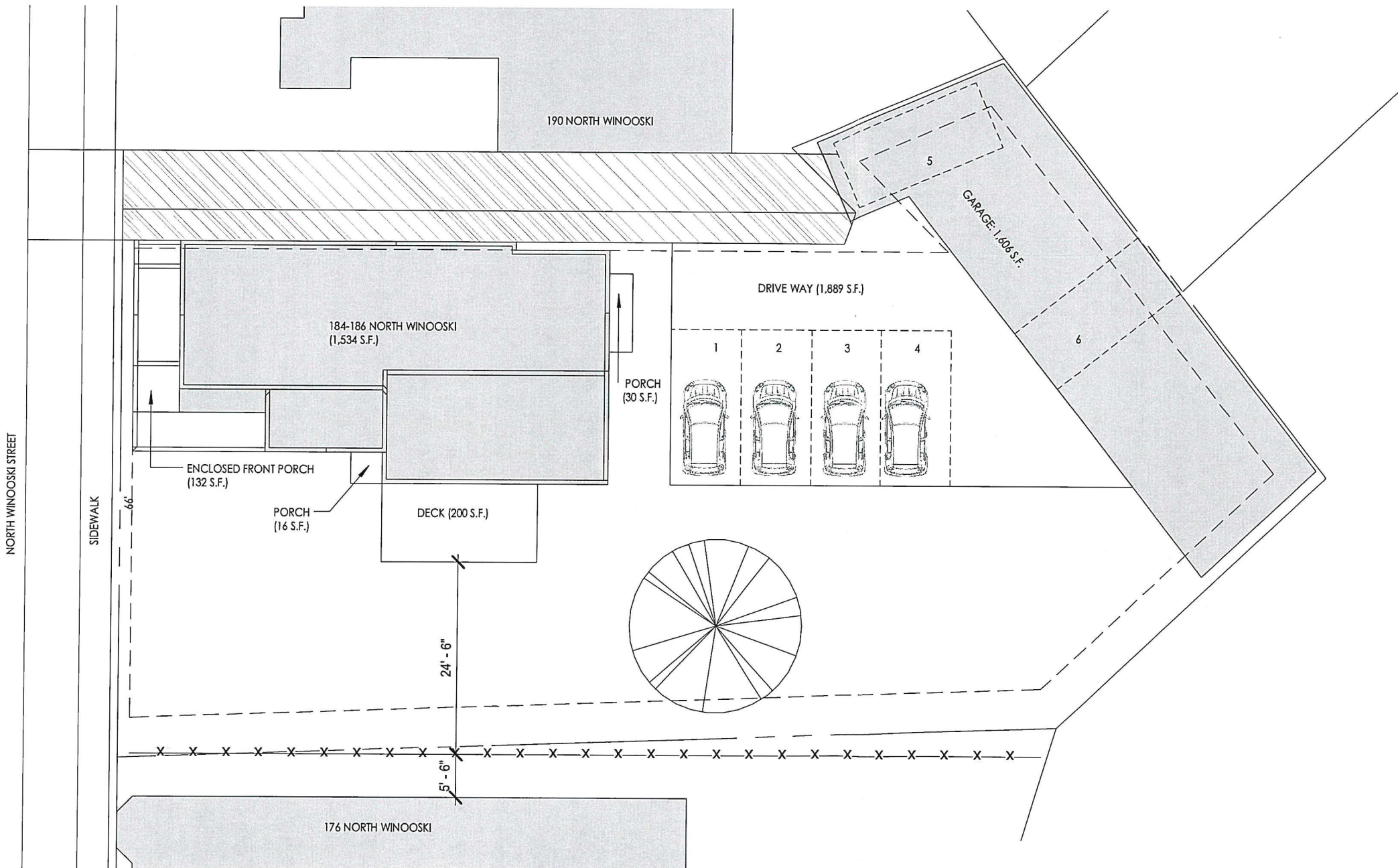
WALKWAY: 374 S.F.
DRIVEWAY: 3,205 S.F.

PROP LOT CVG TOTAL: 7,006.5 S.F. = 70%

* lot area is based off tax parcel map

DRAWING KEY

- EXISTING STRUCTURE
- NEW STRUCTURE
- EASEMENT
- PROPERTY LINE
- SETBACK LINE
- FENCE LINE



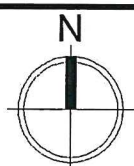
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EXISTING SITE
PLAN

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PERMITTING & INSPECTIONS

ZONING DISTRICT: NMU

MAX INTENSITY: 2.0 F.A.R.
MAX. LOT COVERAGE = 80%

FRONT: 0'
SIDE: Min: 0' - FIRE CODE 5'
REAR: Min: 15' FOR ABUTTING RESIDENTIAL NEIGHBORHOODS

EXISTING LOT COVERAGE

EXISTING LOT SIZE: 10,031 S.F.*
EXISTING HOUSE: 1,534 S.F.
EXISTING GARAGE: 1,606 S.F.
EXISTING PORCHES: 178 S.F.
EXISTING DECK: 200 S.F.
EXISTING DRIVEWAY: 1,889 S.F.
EX. LOT COVERAGE TOTAL: 5,407 S.F. = 54%

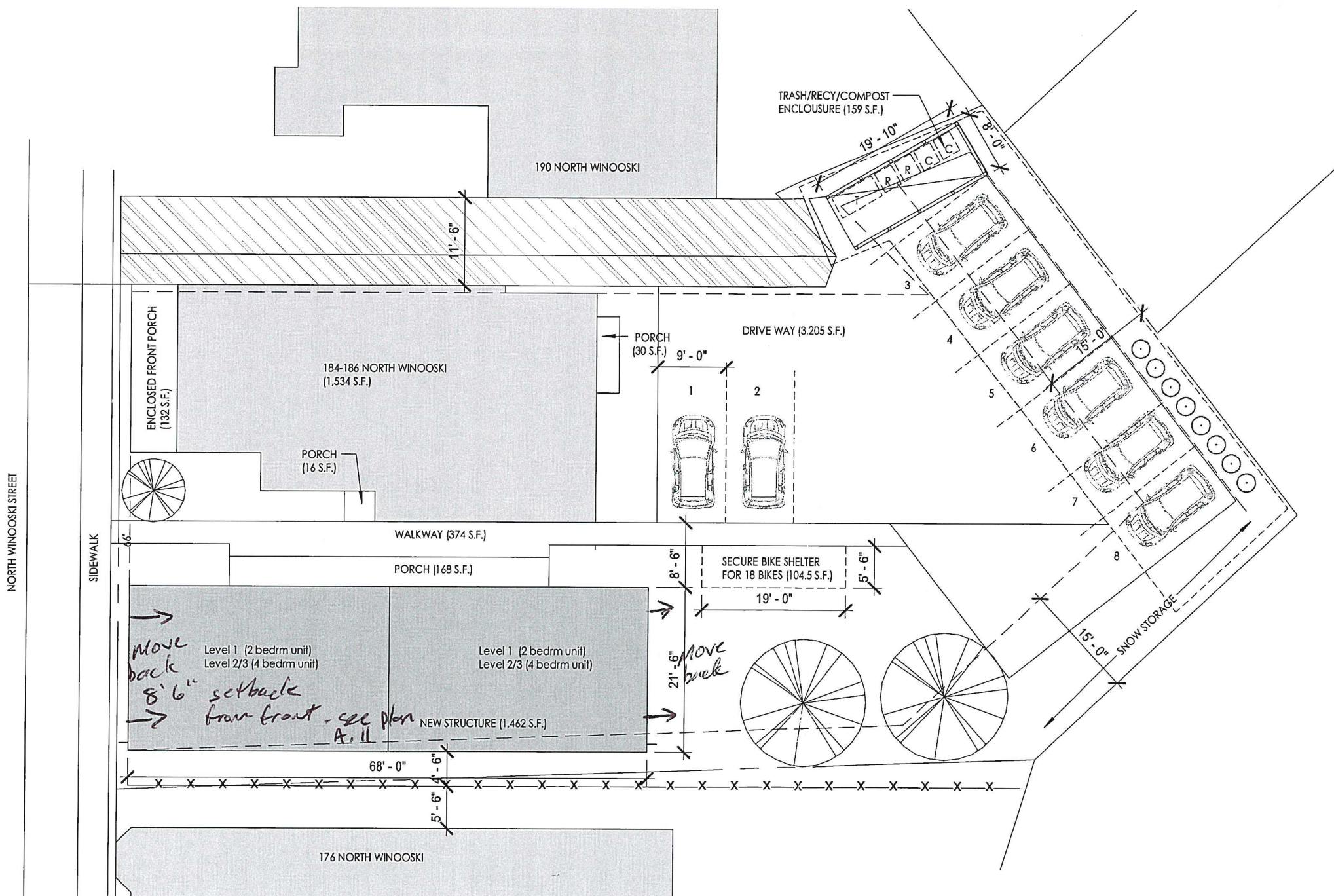
PROPOSED LOT COVERAGE

LOT SIZE: 10,031 S.F.
HOUSE & PORCHES: 1,534 S.F.
NEW APARTMENT & PORCH: 1,630 S.F.
BIKE SHELTER: 104.5 S.F.
DUMPSTER PLATFORM: 159 S.F.
WALKWAY: 374 S.F.
DRIVEWAY: 3,205 S.F.
PROP LOT CVG TOTAL: 7,006.5 S.F. = 70%

* lot area is based off tax parcel map

DRAWING KEY

EXISTING STRUCTURE
NEW STRUCTURE
EASEMENT
PROPERTY LINE
SETBACK LINE
FENCE LINE

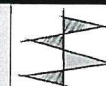


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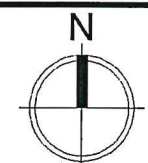
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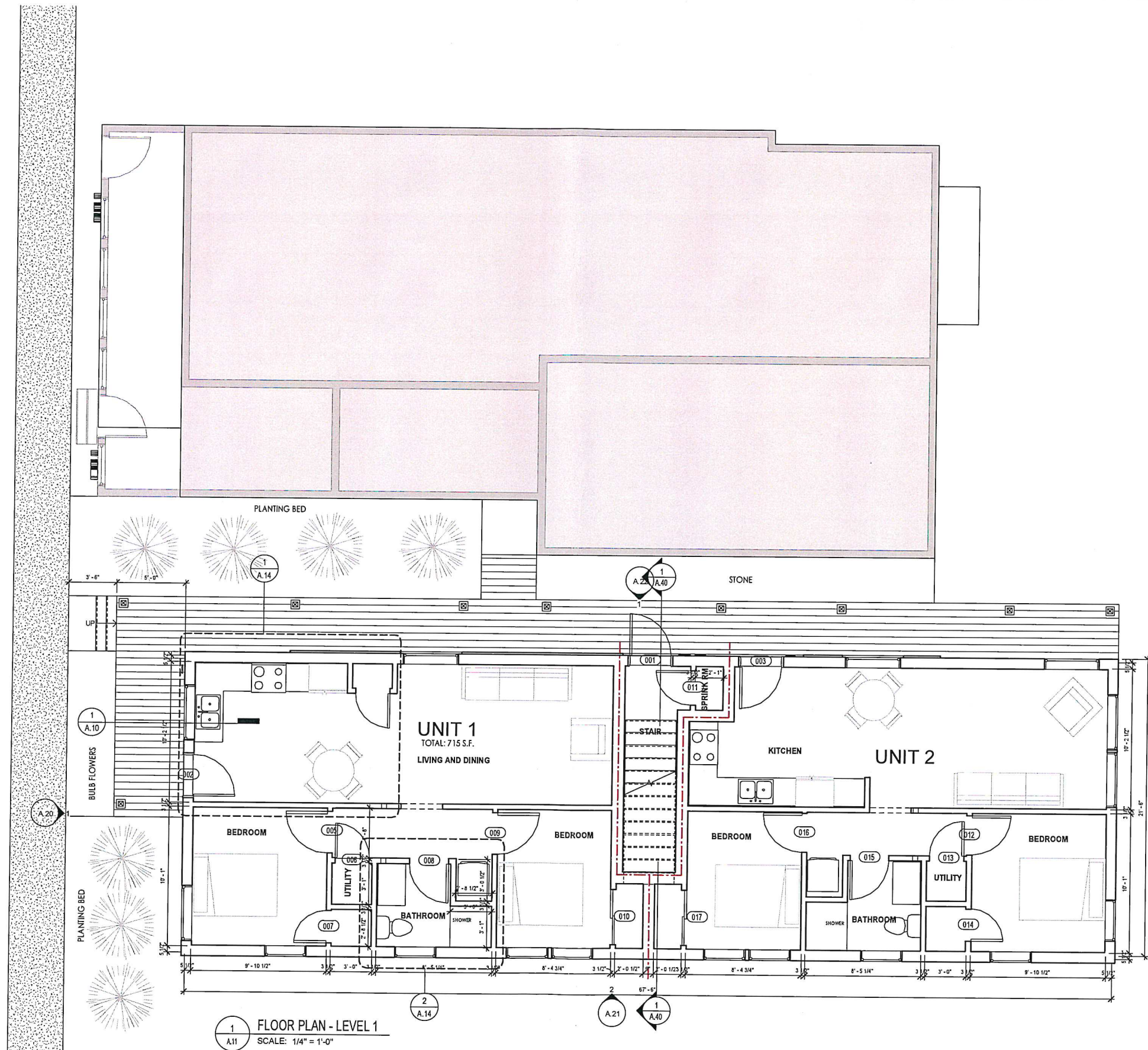


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PROPOSED SITE
PLAN

SHEET NO:
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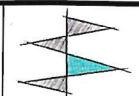
1 FLOOR PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"

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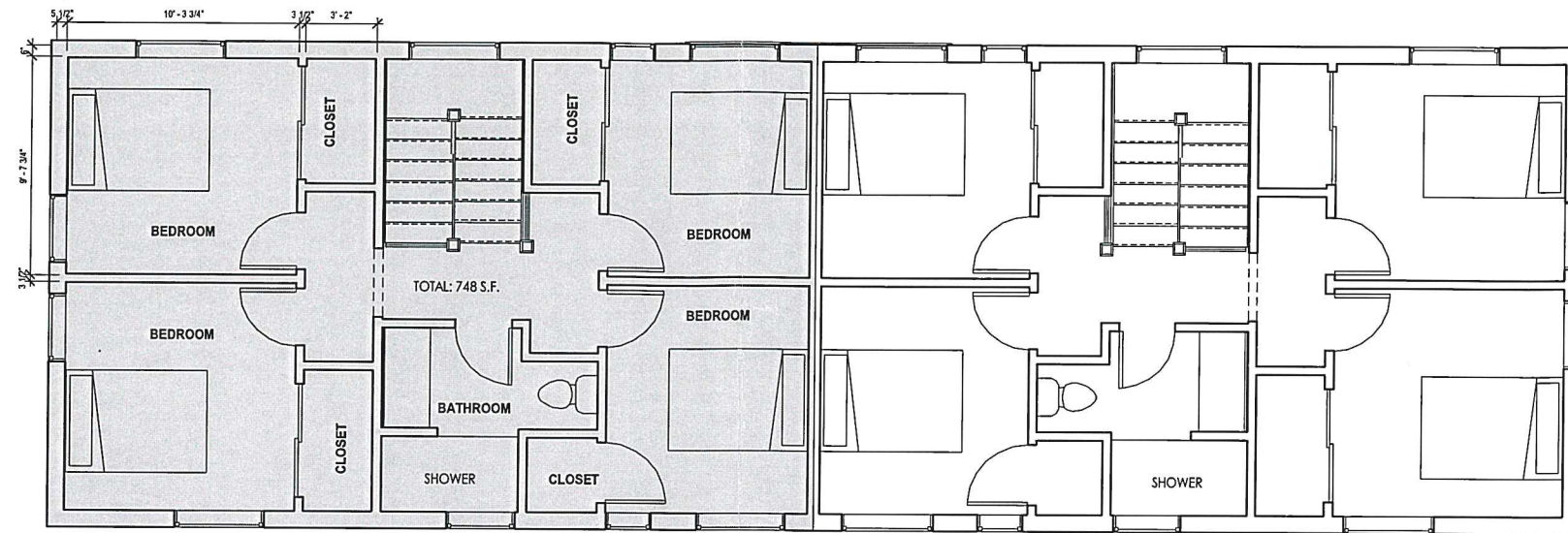
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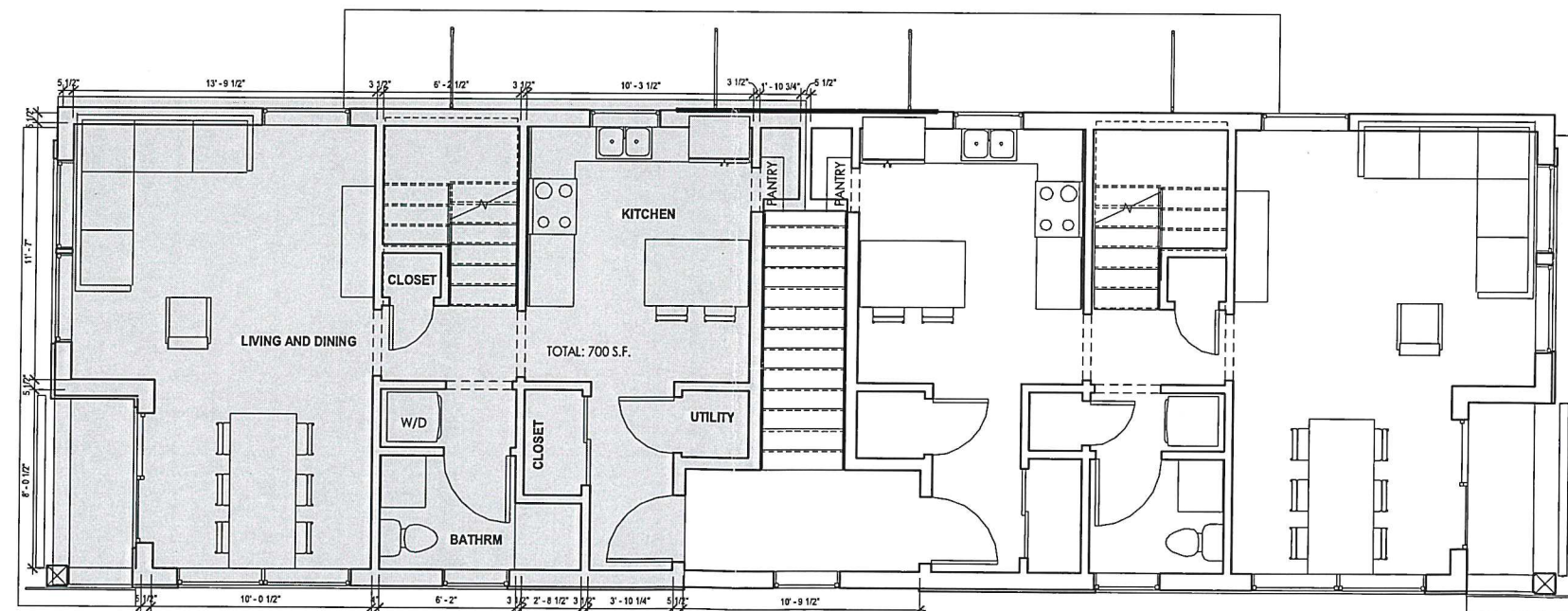
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DRAWN BY: MA
CHECKED BY: Designer
PHASE:

FLOOR PLAN
LEVEL 1 (2
BED APT.)

A.11
SCHEMATIC



2 LEVEL 3
A12 SCALE: 1/4" = 1'-0"



1 LEVEL 2
A12 SCALE: 1/4" = 1'-0"

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GENERAL NOTES

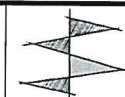
1. ARCHITECTURAL DRAWINGS ARE FOR GENERAL INFORMATION ONLY. ARCHITECTURAL DRAWINGS DO NOT INCLUDE STRUCTURAL, MECHANICAL, OR ELECTRICAL CALCULATIONS. TECHNICAL INFORMATION OR COORDINATION: CONTRACTOR TO PROVIDE STRUCTURAL, MECHANICAL AND ELECTRICAL INFORMATION FOR PERMITTING AND CONSTRUCTION.
2. ALL CONSTRUCTION TO MEET OR EXCEED ALL LOCAL STATE AND FEDERAL CODES.
3. ALL DIMENSIONS TO BE VERIFIED IN FIELD BY OTHERS.
4. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD OR CONCRETE UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL COORDINATE ALL WATER, SEWER AND ELECTRICAL CONNECTIONS WITH SUB-CONTRACTOR.

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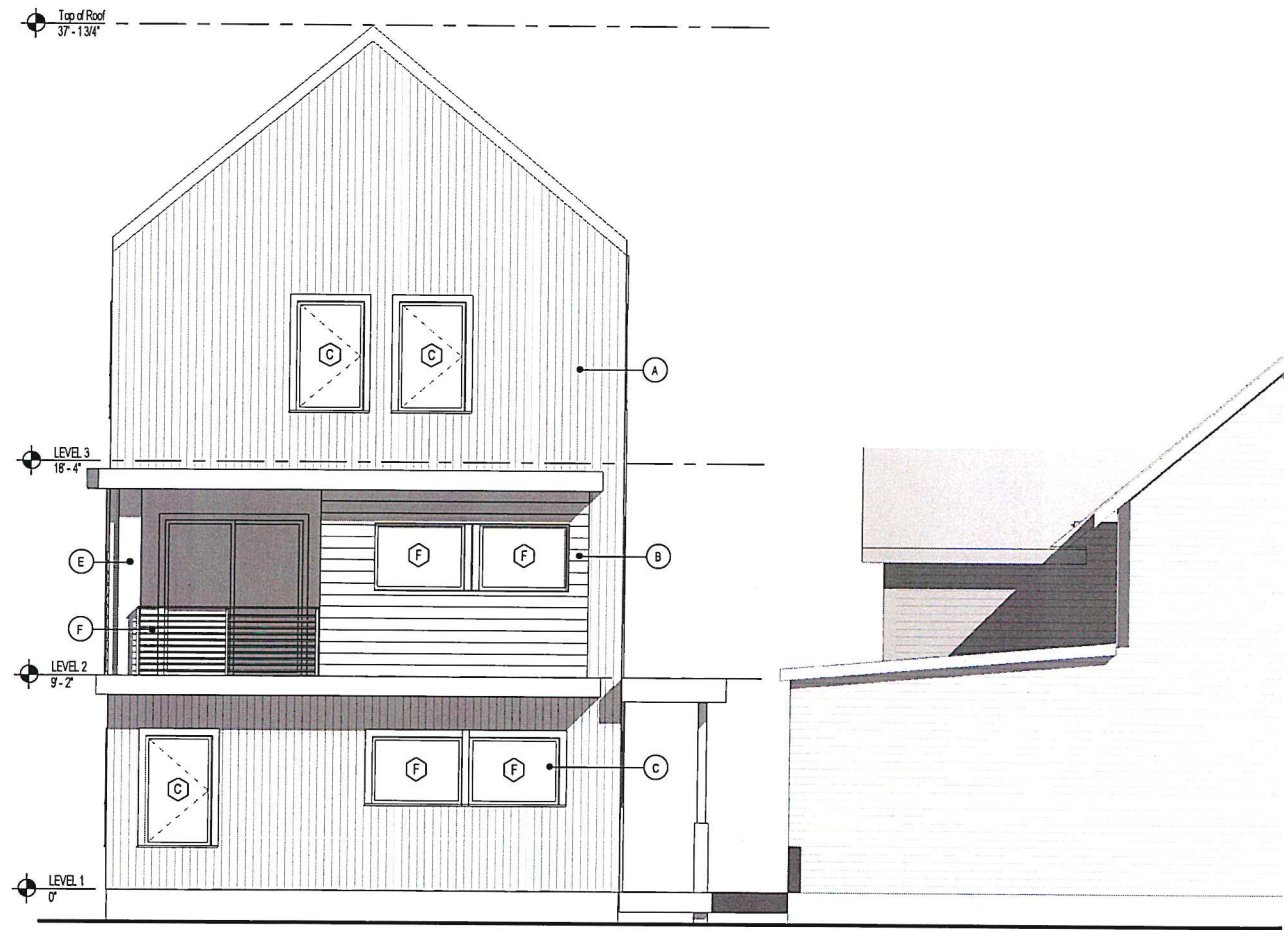
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LEVEL 2 & 3 (BED APT.)

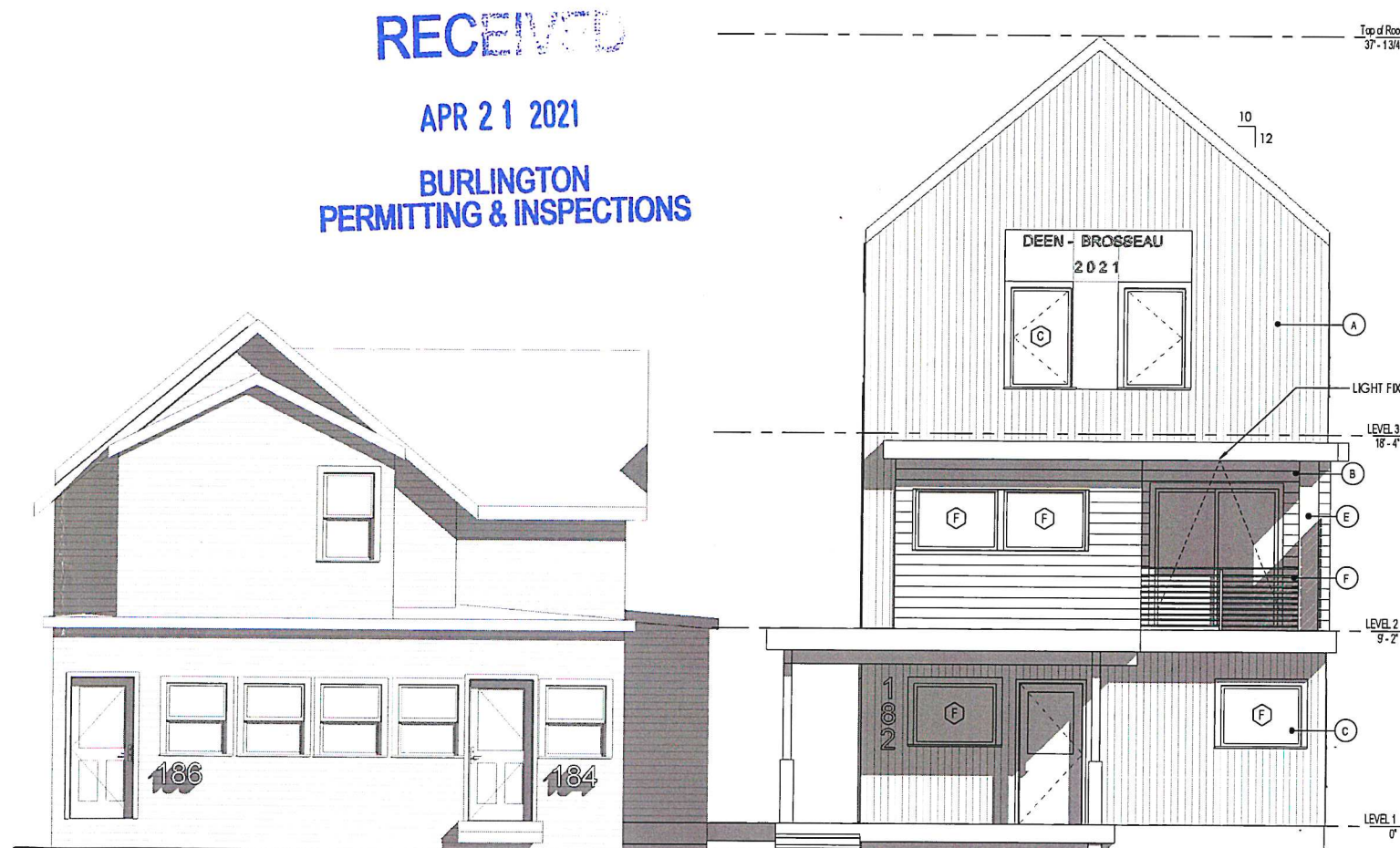
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A12

FOR PERMIT



2 EAST ELEVATION
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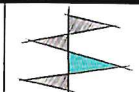
1 WEST ELEVATION
SCALE: 1/4" = 1'-0"

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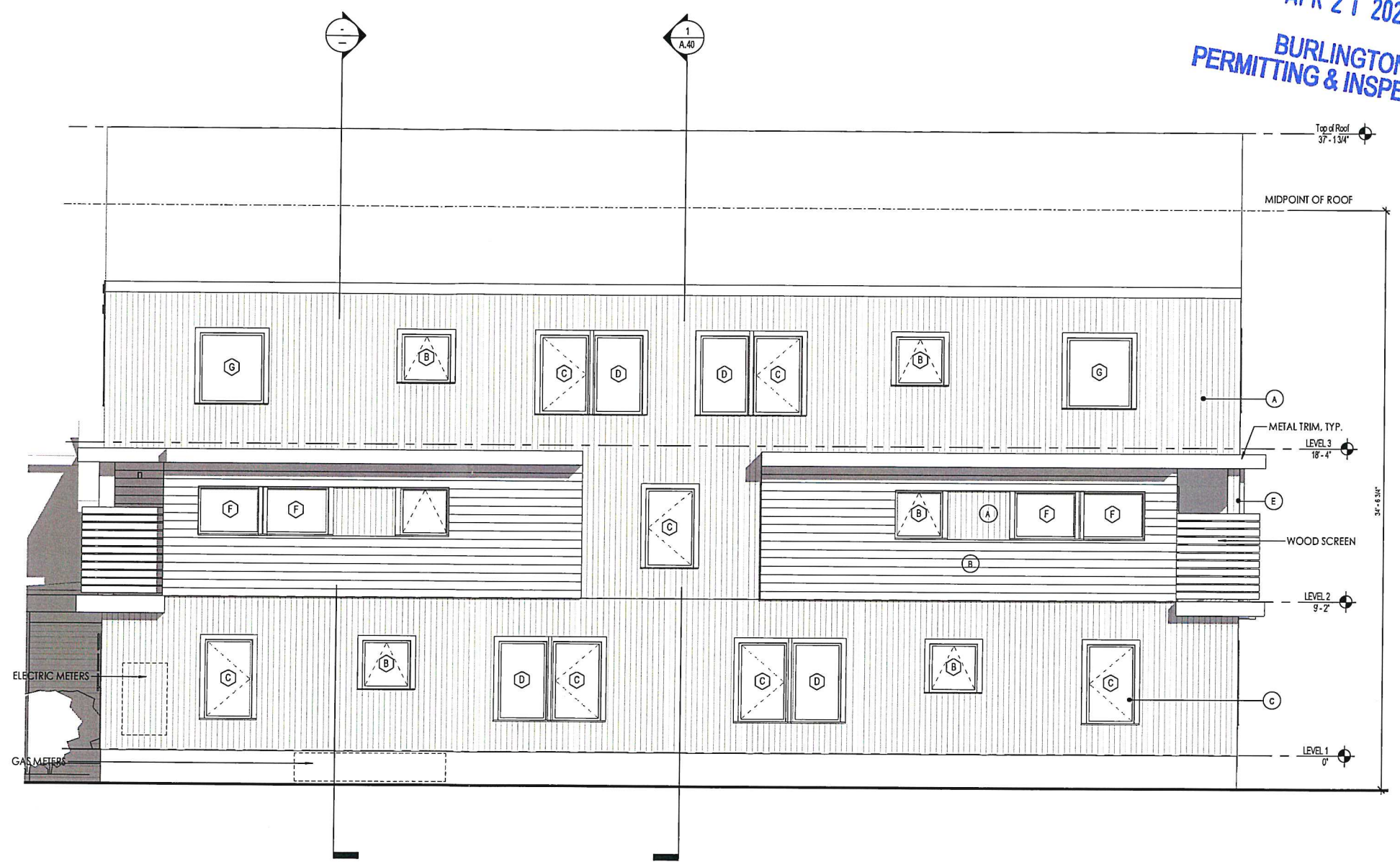
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DRAWN BY: MA
CHECKED BY: Designer
PHASE:

ELEVATIONS

A.20

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EXTERIOR MATERIAL KEY	
Key Value	Keynote Text
A	METAL SIDING
B	LAP SIDING - PAINT
C	VINYL CLAD WINDOW
D	ENTRY DOOR - ALUMINUM CLAD
E	CEDAR POST WITH METAL BASE
F	METAL GUARDRAIL WITH METAL STANCHION
G	ASPHALT ROOF



2 SOUTH ELEVATION
A21 SCALE: 1/4" = 1'-0"

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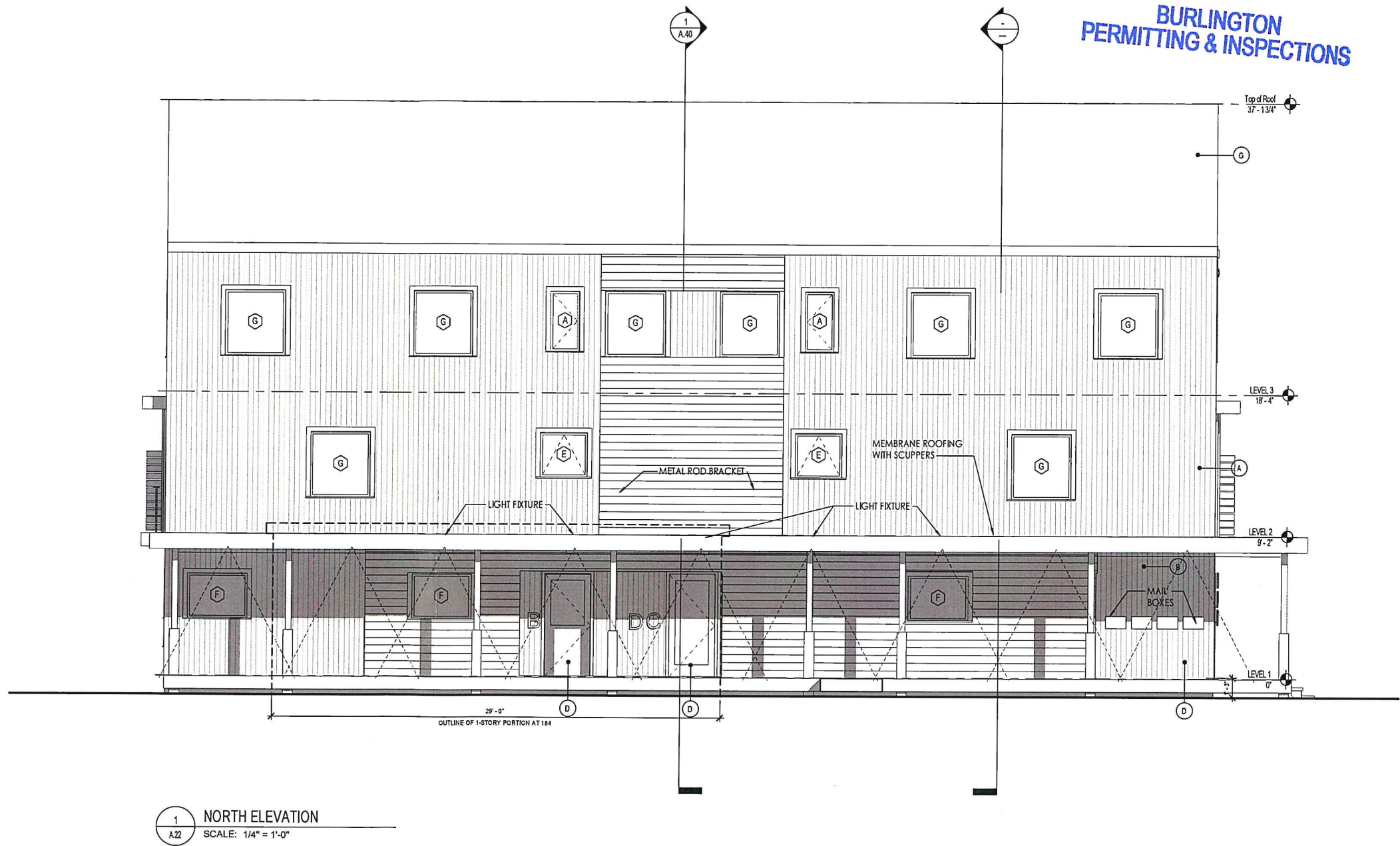
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CHECKED BY: Designer
PHASE:

ELEVATIONS
SHEET NO:
A.21

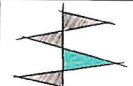
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BURLINGTON
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EXTERIOR MATERIAL KEY	
Key Value	Keynote Text
A	METAL SIDING
B	LAP SIDING - PAINT
C	VINYL CLAD WINDOW
D	ENTRY DOOR - ALUMINUM CLAD
E	CEDAR POST WITH METAL BASE
F	METAL GUARDRAIL WITH METAL STANCHION
G	ASPHALT ROOF



184-186 NORTH WINOOSKI APT

BURLINGTON, VT



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architecture
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DAB REV.: 04/21/21

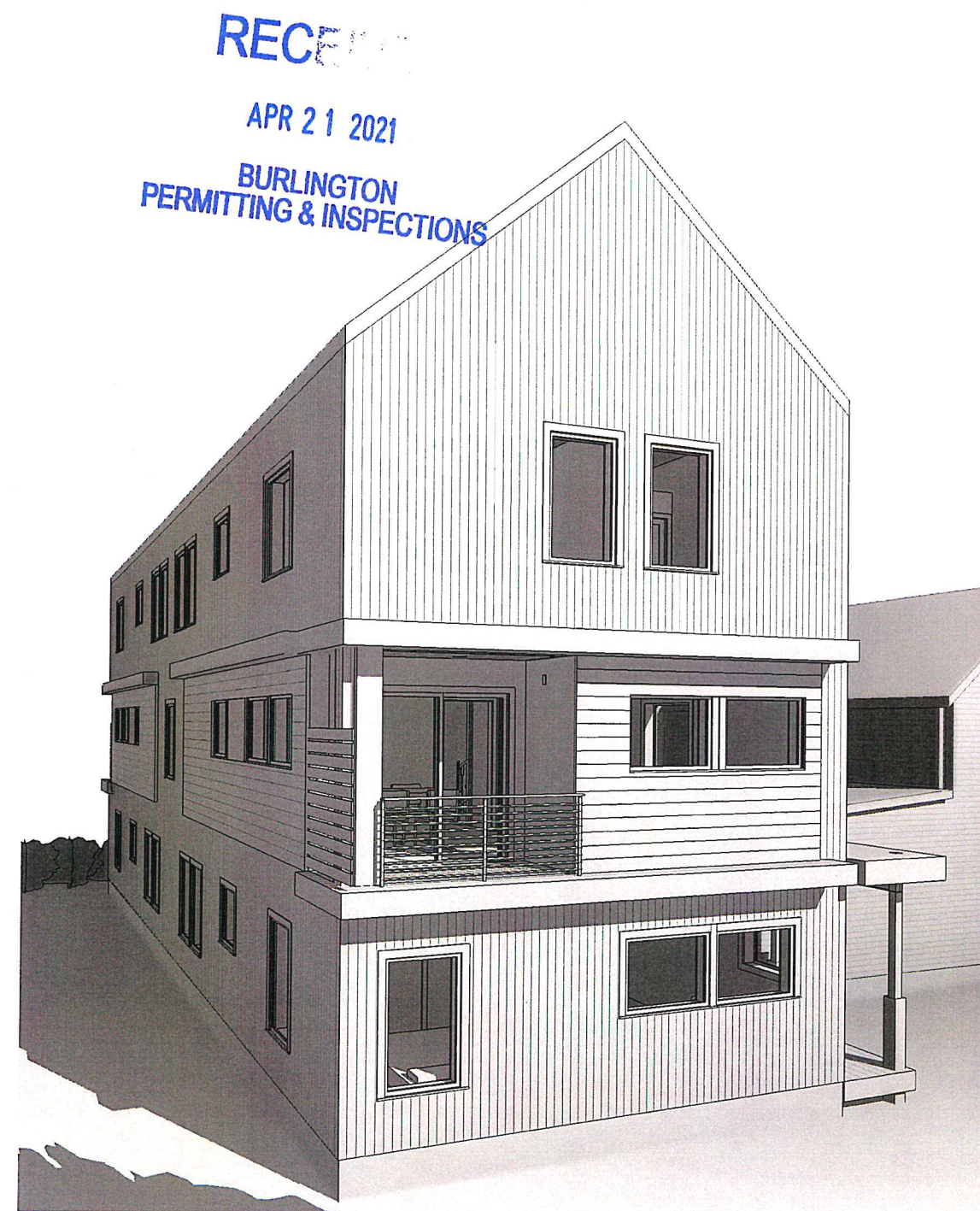
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DRAWN BY: Author
CHECKED BY: Designer
PHASE:

ELEVATIONS

A.22



1 PERSPECTIVE FROM NORTHWEST
A.30 SCALE:



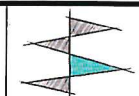
2 PERSPECTIVE FROM SOUTHEAST
A.30 SCALE:

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184-186 NORTH WINOOSKI APT

BURLINGTON, VT



HINGE
architecture

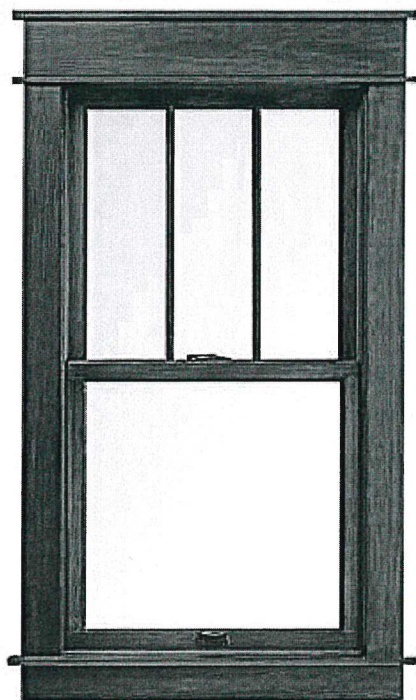
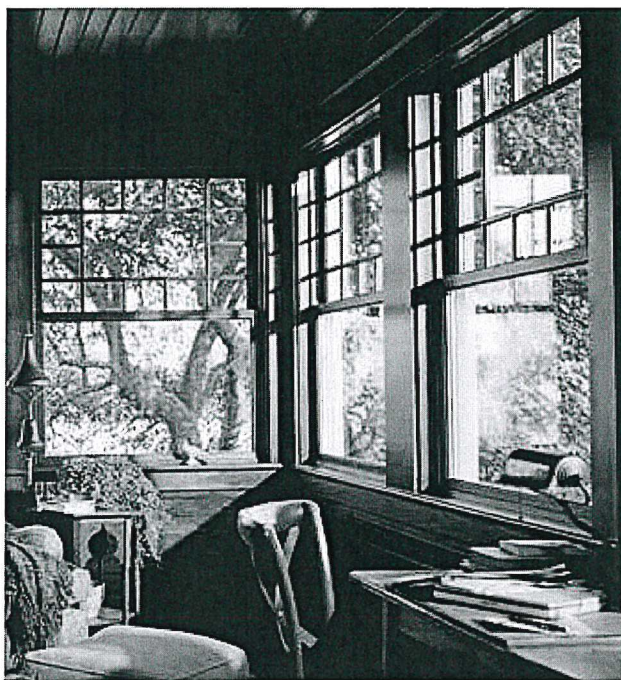
431 Pine Street, Suite 314, Burlington, VT 05401
802.793.9840

FOR PERMIT ONLY
DAB REV.: 04/21/21

DATE: 02/12/21
SCALE:
DRAWN BY: MA
CHECKED BY: Designer
PHASE:

3D VIEWS

A.30



WOODWRIGHT® DOUBLE-HUNG WINDOWS

Andersen® 400 Series Woodwright® double-hung windows are designed with old-world character and modern performance. Exteriors use two different levels of protection. The frames are vinyl clad, the sash and the sills are made of Fibrex® material. On the inside you have a choice of natural pine, oak, maple or low-maintenance white finish. Both sash tilt in for ease of cleaning. For added style there are historically accurate grille patterns, hardware and glass options.

DURABLE

- Virtually maintenance-free
- Perma-Shield® exteriors never need painting and won't peel, blister, flake or corrode*
- Frame exterior is protected by a tough vinyl cover that resists dents and repels water and provides long-lasting protection
- Sash members have a tough Fibrex® material exterior
- The sill is made with a solid wood core and are protected from the elements with Fibrex® cladding

ENERGY EFFICIENT

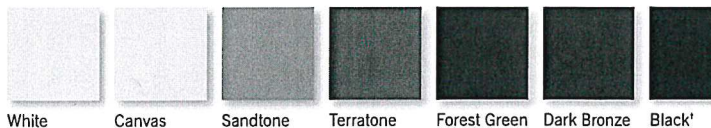
- Weather-resistant construction for greater comfort and energy efficiency
- Weatherstripping is designed to seal out drafts, wind and water
- A variety of Low-E4® glass options are available to control heating and cooling costs in any climate
- Many 400 Series Woodwright® double-hung windows have options that achieve ENERGY STAR® version 6.0 certifications in all 50 states**



BEAUTIFUL

- Seven exterior color options
- Natural pine, maple, oak or white interiors
- Extensive hardware selection
- Add style with grilles, exterior trim or patterned glass

EXTERIOR COLORS



*Visit andersenwindows.com/warranty for details.

**Visit andersenwindows.com to verify that the product and glass type are ENERGY STAR certified in your area. See your Andersen dealer for availability. "ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

400 SERIES WOODWRIGHT® DOUBLE-HUNG WINDOWS

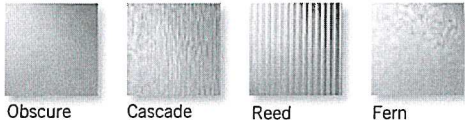
GLASS OPTIONS

LOW-E4® GLASS

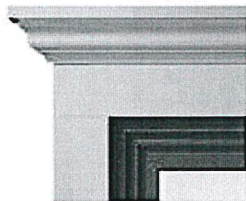
- Low-E4® glass
- Low-E4® SmartSun™ glass
- Low-E4® Sun glass
- Tempered glass and other glass options are available. Contact your Andersen dealer

PATTERNED GLASS

Ideal for letting light into the home while obscuring vision. Available in four attractive patterns.



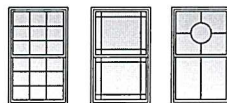
EXTERIOR TRIM



Available in 11 colors to complement your exterior.

GRILLES

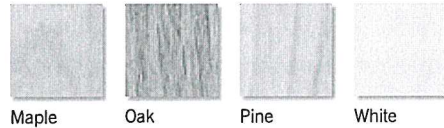
Choose from dozens of popular designs or work with Andersen to create custom patterns.



ADDITIONAL FEATURES

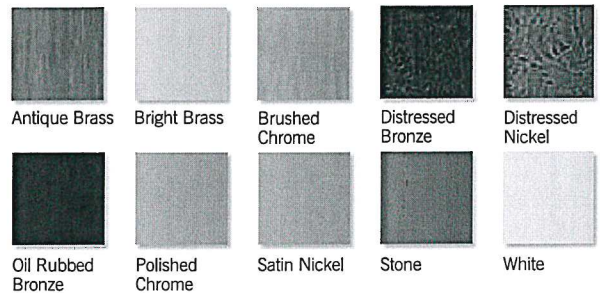
- Natural wood sash interior with chamfer detailing and matching wood jamb liners for an authentic look.
- Sash joints simulate the look of traditional mortise-and-tenon construction inside and out.
- Available with Stormwatch® protection for coastal areas.

INTERIOR OPTIONS



Naturally occurring variations in grain, color and texture of wood make each window one-of-a-kind. All wood interiors are unfinished unless prefinished White is specified.

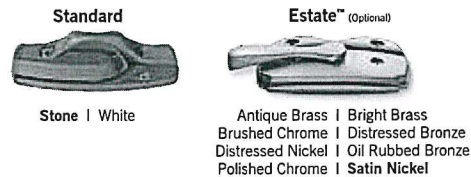
HARDWARE FINISHES



*Distressed Bronze and Oil Rubbed Bronze are "living" finishes that will change with time and use.

HARDWARE

Stone finish is standard with wood interior units. White finish comes with prefinished interiors.



SHAPE OPTIONS

In addition to standard rectangles, the Woodwright® windows are available in elegant arched designs.



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Printing limitations prevent exact color and finish duplication. See your Andersen dealer for actual finish samples.

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WINDOWS • DOORS
Andersen 

For more information visit andersenwindows.com/400series

For help finding an Andersen product or dealer near you, please call us at 877.577.7655 or visit andersenwindows.com.



ENTRY DOOR



CREATE AN ENTRY DOOR WITH CHARACTER

Andersen® Entry Doors are handcrafted, built with solid fine grain wood and available with a variety of style options so you can create a one of a kind entryway, suited to fit you, and your home, perfectly.

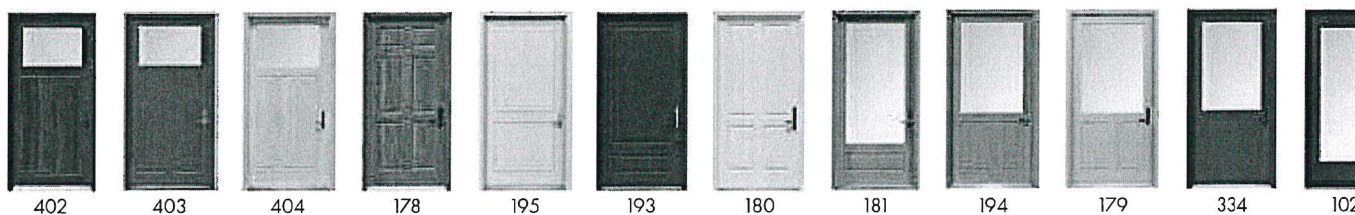


- Select from a variety of richly-grained woods or make a bold first impression with color
- Choose from 50 commercial-grade, aluminum clad exterior colors
- Offered in 10 of the finest grades of wood species for both the interior and exterior
- Customize your door with a variety of decorative glass options and grille patterns
- Available for both inswing and outswing operation
- Low-profile sill option available

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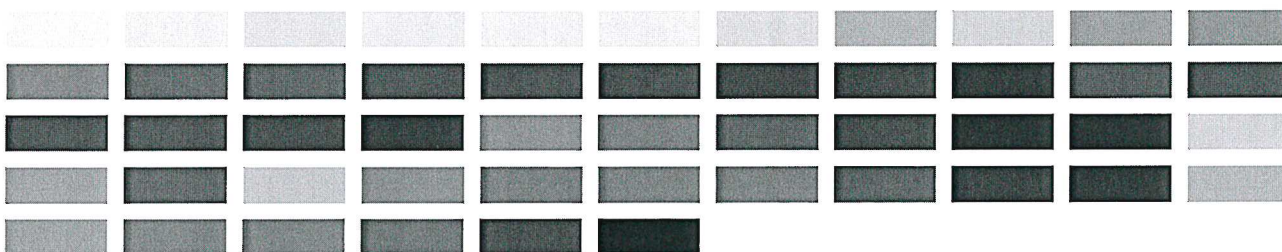
ENTRY DOORS

DOOR STYLES



PRODUCT OPTIONS

EXTERIOR COLORS

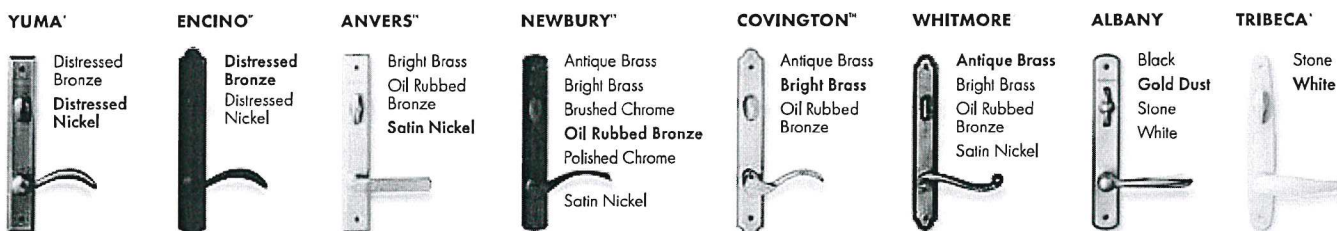


EXTERIOR & INTERIOR WOOD SPECIES



HARDWARE OPTIONS**

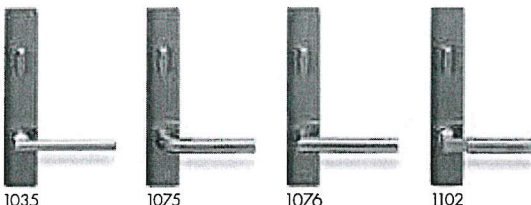
Choose from Andersen® hardware or have your door prepped for hardware manufactured by others.



Bold name denotes finish shown.

FSB® HARDWARE

FSB hardware is available in satin stainless steel.



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WINDOWS & DOORS

For more information, visit andersenwindows.com/entrydoors

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa with color and characteristics similar to Central American mahogany.

**Hardware is sold separately.

Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use. Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty.

Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

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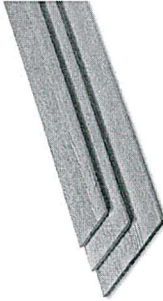
Specifications: LP® SmartSide® Lap Siding

EDAR TEXTURE LAP

THE BOLD LOOK OF CEDAR WITHOUT MANY OF THE WORRIES

One of the most durable lap siding options on the market today, 12' length can result in faster installation. Lay create fewer seams than traditional 12' siding. Pre-primed for exceptional paint adhesion. Self-aligning SmartLock™ option eliminates the need to measure and set up reveal; eliminating this step in the process is likely to speed up the installation process.

APA-certified lap siding
Treated engineered wood strand substrate



Cedar Texture

38 SERIES CEDAR TEXTURE LAP



76 SERIES CEDAR TEXTURE LAP



76 SERIES SMARTLOCK CEDAR TEXTURE LAP



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series Cedar Texture Lap	12 ft. (3.7 m)	7.84 in. (199 mm)	0.354 in. (9 mm)	28669	1.5 PSF
	16 ft. (4.9 m)	5.84 in. (148 mm)	0.354 in. (9 mm)	25796	1.5 PSF
	16 ft. (192 in.) (4.9 m)	6.84 in. (174 mm)	0.354 in. (9 mm)	40610	1.5 PSF
	16 ft. (192 in.) (4.9 m)	7.84 in. (199 mm)	0.354 in. (9 mm)	25797	1.5 PSF
76 Series Cedar Texture Lap	16 ft. (192 in.) (4.9 m)	11.84 in. (301 mm)	0.354 in. (9 mm)	25799	1.5 PSF
	16 ft. (192 in.) (4.9 m)	5.84 in. (148 mm)	0.418 in. (10.6 mm)	25785 (Discontinued)	1.5 PSF
76 Series SmartLock Cedar Texture Lap	16 ft. (192 in.) (4.9 m)	7.84 in. (199 mm)	0.418 in. (10.6 mm)	25786	1.5 PSF
	16 ft. (192 in.) (4.9 m)	11.84 in. (301 mm)	0.418 in. (10.6 mm)	25787	1.5 PSF
	16 ft. (192 in.) (4.9 m)	7.84 in. (199 mm)	0.418 in. (10.6 mm)	30317	1.5 PSF

Specifications: LP® SmartSide® Lap Siding

SMOOTH FINISH LAP

SMOOTH APPEARANCE, ADVANCED DURABILITY OF ENGINEERED WOOD

- Holds up in extreme weather, including moisture, hail, freeze/thaw cycles, and up to 200 mph wind gusts
- Treated with the SmartGuard® process for superior protection against the weather, fungal decay and termites
- 16' length can result in faster installation and fewer seams
- Pre-primed for exceptional paint adhesion
- Backed by an industry-leading 5/50-year limited warranty
- APA-certified lap siding
- Treated engineered wood strand substrate



Smooth Finish

38 SERIES SMOOTH FINISH LAP



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series Smooth Finish Lap	16 ft. (192 in.) (4.9 m)	5.84 in. (148 mm)	0.354 in. (9 mm)	41338	1.5 PSF
	16 ft. (192 in.) (4.9 m)	7.84 in. (199 mm)	0.354 in. (9 mm)	41339	1.5 PSF
	16 ft. (192 in.) (4.9 m)	11.84 in. (301 mm)	0.354 in. (9 mm)	41340	1.5 PSF

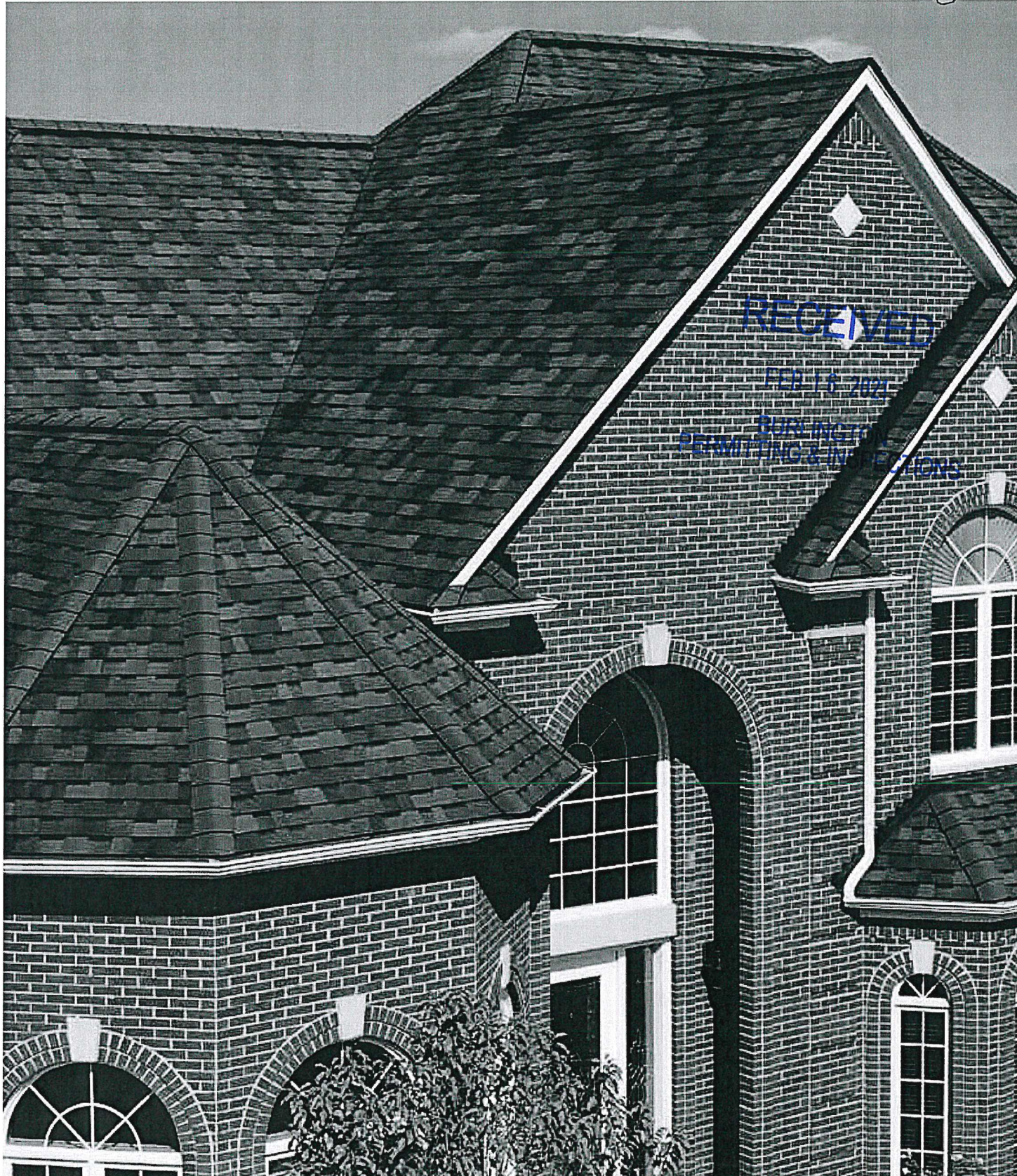
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TruDefinition™
DURATION® SHINGLES
with SureNail® Technology



TruDefinition™ DURATION® SHINGLES

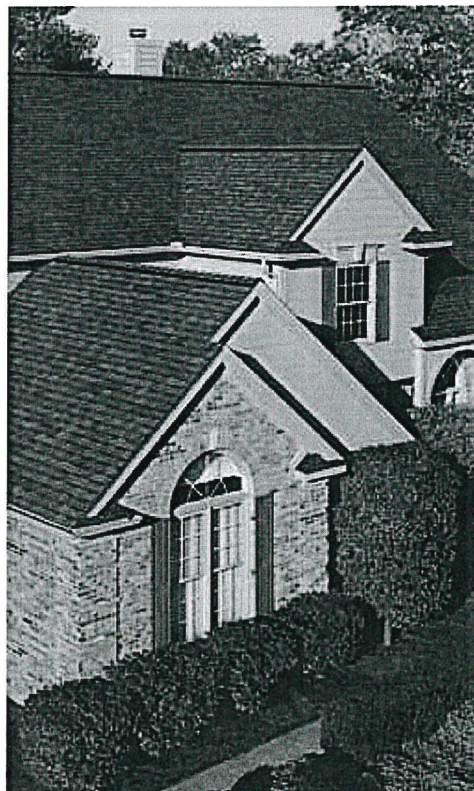
with SureNail® Technology

Bold contrast. Deep dimension. TruDefinition

TruDefinition™ Duration® Shingles are specially formulated to provide greater contrast and dimension to any roof.

Through the use of multiple granule colors and shadowing, *TruDefinition Duration* Shingles offer a truly unique and dramatic effect. This exclusive combination of color and depth is what makes *TruDefinition Duration* Shingles like no other.

TruDefinition Duration Shingles are available in popular colors with bold, lively contrast and complementing shadow lines for greater dimension. They feature a Limited Lifetime Warranty,*†† 130-MPH Wind Resistance Limited Warranty* and an Algae Resistance Limited Warranty.* Beyond the outstanding curb appeal and impressive warranty coverage, they also come with the advanced performance of patented SureNail® Technology.



Teak† ▼



The SureNail® Difference—
A technological breakthrough
in roofing. The innovative

features of Owens Corning™ *TruDefinition Duration* Shingles with patented *SureNail* Technology offer the following:

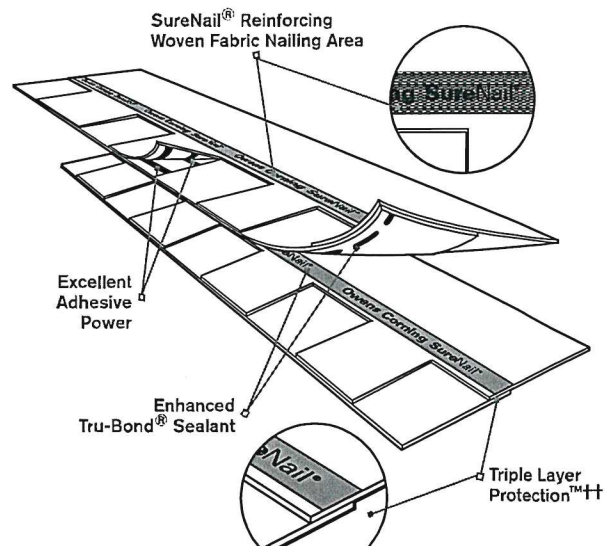
Breakthrough Design. Featuring a tough, woven engineered reinforcing fabric to deliver consistent fastening during installation.

Triple Layer Protection™ A unique "triple layer" of reinforcement occurs when the fabric overlays the common bond of the shingle laminate layers that offers excellent fastener holding power.

Superior Adhesion. Our enhanced Tru-Bond®† sealant grips tightly to the engineered fabric nailing strip on the shingle below.

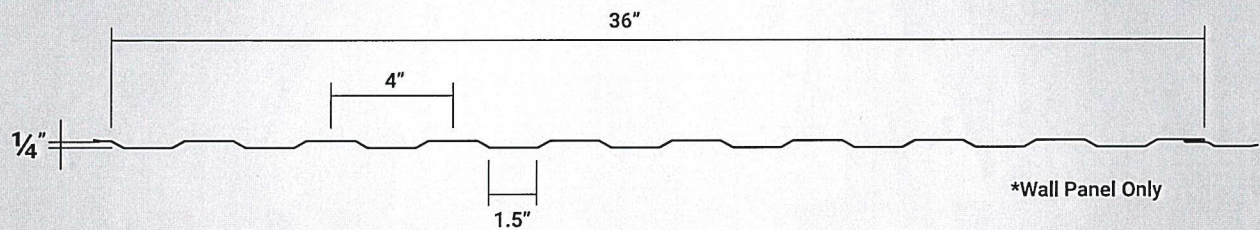
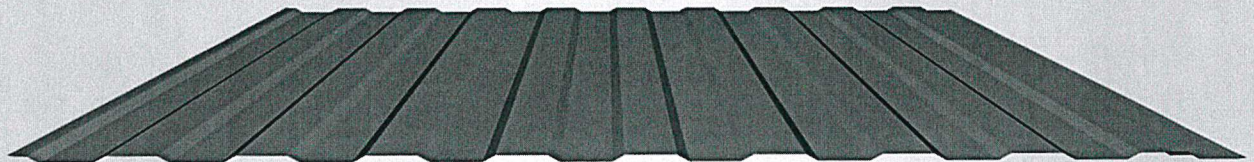
Excellent Adhesive Power. Specially formulated, wide adhesive bands help keep shingle layers laminated together.

Exceptional Wind Resistance. The industry's first asphalt roofing shingle engineered to deliver 130-MPH* wind warranty performance with only 4 nails. 33% fewer nails are required for maximum warranty protection,¹ which can mean fewer deck penetrations.

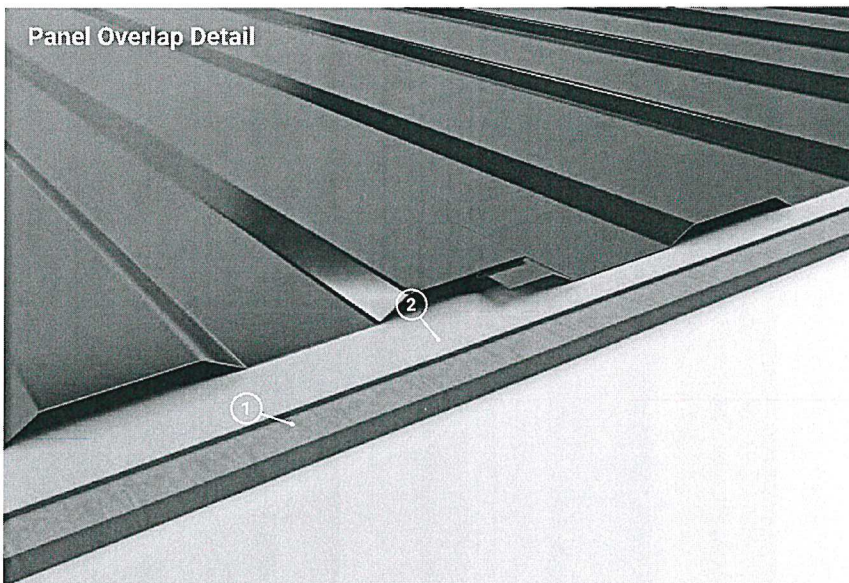


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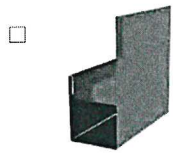


Panel Overlap Detail

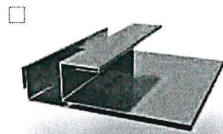


1. **Substrate:** Plywood substrate material shown.
2. **Underlayment:** Vapor Permeable Membrane

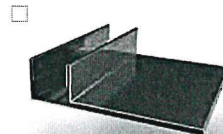
Roof Coverage	Not Avail
Wall Coverage	
Panel Gauges	26*,
Fastener Options	Expo
Panel Length	48" to
Rib Height	0.25" at 4" Cen
Roof Slope	Not Avail
Impact Rating	Not Avail
Wind Uplift Rating	Not Avail
Warranty	Based on Paint Sys
For more information	1.833.STEEL



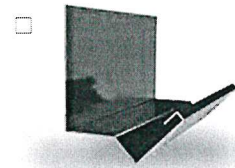
J Trim



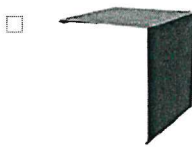
F & J Trim



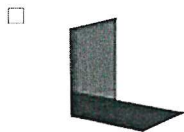
F Trim



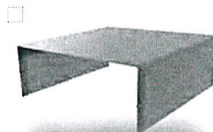
Head Trim



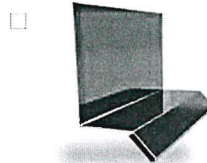
Outside Corner



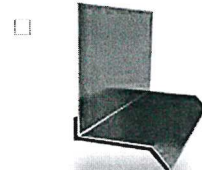
Inside Corner



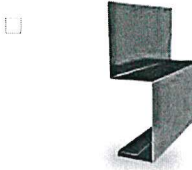
Door Cap



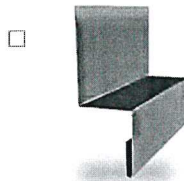
Base Drip



Double Base Drip



Broom Base



Wainscot

Additional Trim
Profiles Available
By Request

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FEATURES & SPECIFICATIONS

INTENDED USE — Recessed housing rated IC or Non-IC. For new construction only.

Approved for all ceiling and wiring types.

Approved for direct burial in insulation.

CONSTRUCTION — Air-tight standard. Tested to meet current energy codes.

Aluminum foam-gasketed housing with galvanized steel pan.

Galvanized bar hangers span up to 24" o.c. and feature stepped shank nail and positioning guide with integral T-bar locks. Two locking screws hold fixture in position.

Galvanized steel junction box with four built-in Romex clamps. Four 1/2" and two 3/4" knockouts with slots for pryout. Rated for through branch wiring.

Maximum 4 (2 in, 2 out) No. 12 AWG conductors. Rated for 90°C.

Ground wire provided.

Removable J-box doors for easy access.

ELECTRICAL — Quick disconnect provided for power connection to the LED modules.

Paint overspray masked by disposable disconnect plug.

Housing and LED module combination is IC rated and thermally protected.

120 volt only.

INSTALLATION — Air-tight housing suitable for air-tight installations. Refer to energy codes for proper installations.

2x8 and 2x6 wood joist or T-bar installation.

Expandable bar hangers allow for off-center mounting in wood joist or T-bar ceilings. Length of 25-1/2" maximum 13-1/4" minimum or cut to fit 5-1/2" on center joist construction.

Vertical adjustment of housing allows for flush mounting with ceiling face.

Suitable for ceilings up to 1-1/2" thick.

LISTINGS — UL Listed to US and Canadian safety standards. Damp location listing (See trim selection for wet location listing).

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

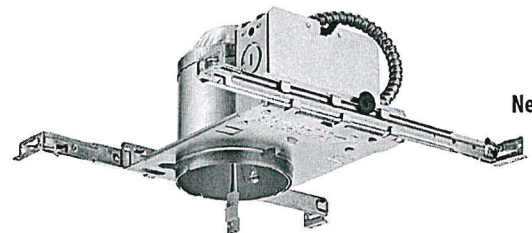
Catalog
Number

Notes

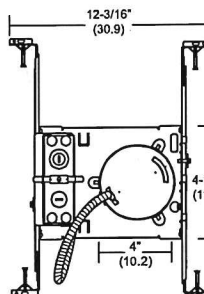
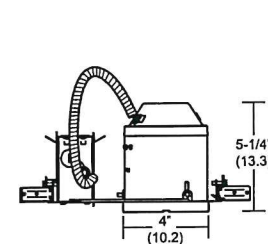
Type

4" LED Ho

L3LED T2



IC/N
New Constr



Specifications

Height: 5-1/4 (13.3)

Length: 13-1/4 (33.7)

Width: 12-3/16 (30.9)

Ceiling opening: 4 (10.2)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: L3L

L3LED T24		
Series	Options	Packaging
L3LED T24	Shipped installed in fixture PHC Poke-home wire connector	R6 Resale pack of six U Unit

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Accessories: Order as separate catalog number.

ATK3 R6 Airtight trim kit

Notes

See trim summary on reverse side for maximum wattage

L3LED T24 4" New Construction Housing

P Series Open and Baffle Wide Flange LED Modules (Wet Location)



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 4BP TRMW LED 27K 90CRI L3LED T24

Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage
4BPMW 4" Baffle LED module, matte white	LED	(blank) 3000 K / 83CRI / 10.6W / 620L	(blank) 120V
4BP TRMW 4" Baffle LED module, black baffle, matte white flange		27K 90CRI 2700 K / 93CRI / 11.2W / 600L	
4BPBN 4" Baffle LED module, brushed nickel		30K 90CRI 3000 K / 93CRI / 11.2W / 600L	
4BPORB 4" Baffle LED module, oil-rubbed bronze		40K 90CRI 4000 K / 92CRI / 9.9W / 650L	
4OPA 4" Open LED module, clear diffuse			
4OPAZ 4" Open LED module, clear specular			
4OPA TRMW 4" Open LED module, clear diffuse, matte white flange			
4OPAZ TRMW 4" Open LED module, clear specular, matte white flange			

Notes

1 Total system delivered lumens.

LED Gimbal Module (Damp location)



ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: 4G1MW LED L3LED T24

4G1	LED		
Series/Finish	Lamps	CCT / CRI / W / Lumens ¹	Voltage
<u>Series</u> 4G1 4" Gimbal module	LED	(blank) 3000K / 83CRI / 7.9W / 435L 27K 90CRI 2700K / 91CRI / 8.3W / 480L 30K 90CRI 3000K / 93CRI / 7.7W / 500L 40K 90CRI 4000K / 94CRI / 8W / 560L	(blank) 120V
<u>Finish</u> MW Matte white MB Matte black BN Brush nickel ORB Oil-rubbed bronze			

Notes

1 Total system delivered lumens.

E Series Baffle Wide Flange LED Modules (Wet Location)



ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: 4BEMW L3LED T24

4BEMW	LED		
Series/Finish	Lamps	CCT / CRI / W / Lumens ¹	Voltage
<u>Series</u> 4BEMW 4" Baffle LED module, matte white	LED	27K 2700 K / 82CRI / 10.3W / 530L 30K 3000 K / 82CRI / 10.3W / 570L 40K 4000 K / 82CRI / 10.3W / 600L	(blank) 120V
<u>Finish</u> MW Matte white MB Matte black BN Brush nickel ORB Oil-rubbed bronze			

Notes

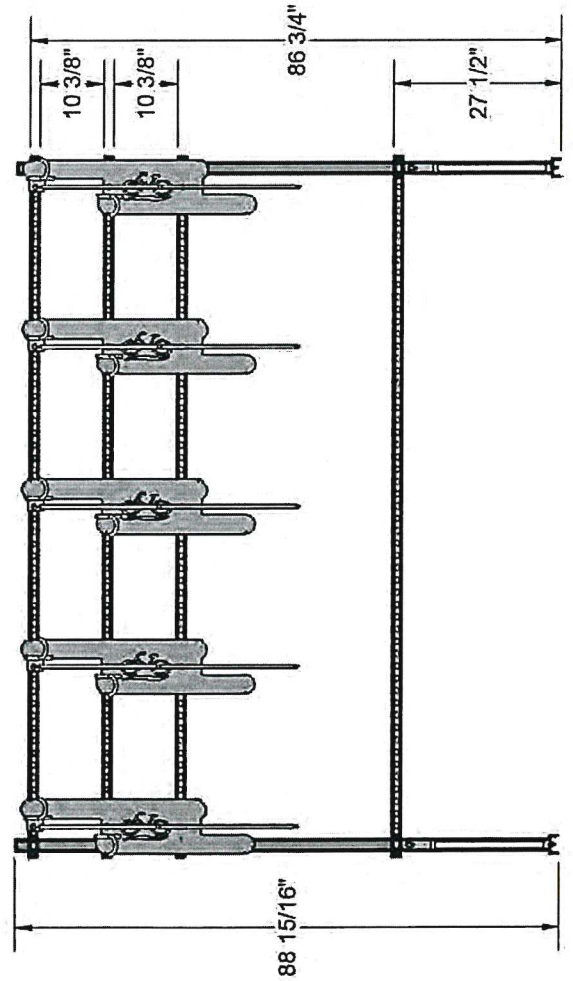
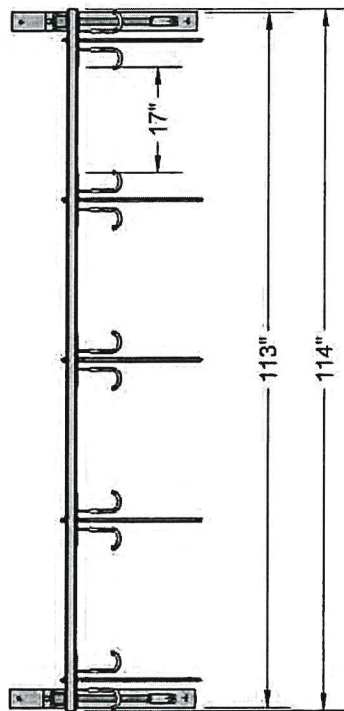
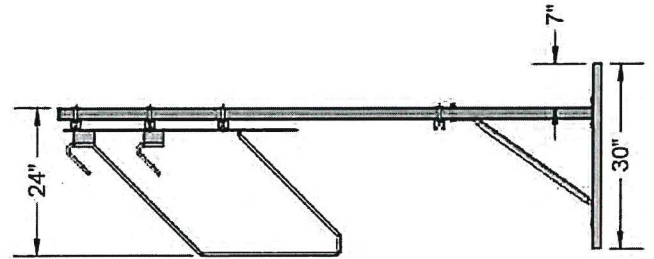
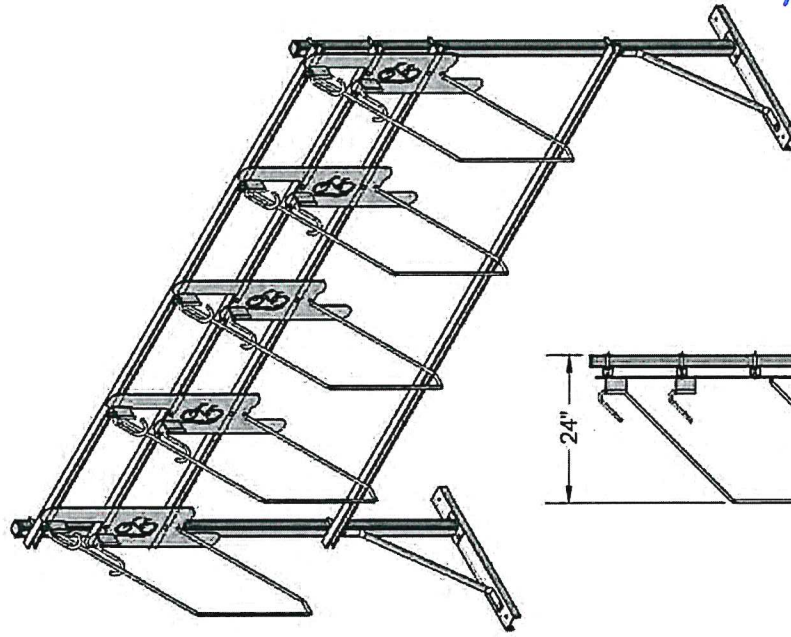
1 Total system delivered lumens.



An Acuity Brands Company

L3LED-T24

OVERALL DIMENSIONS



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Department of Permitting & Inspections

Zoning Division
645 Pine Street
Burlington, VT 05401
Telephone:(802) 865-7188
(802) 865-7195 (FAX)
(802) 865-7142 (TTY)

*William Ward, Director
Scott Gustin, AICP, CFM, Principal Planner
Mary O'Neil, AICP, Principal Planner
Ryan Morrison, Associate Planner
Layne Darfler, Planning Technician
Alison Davis, Zoning Clerk
Ted Miles, Zoning Specialist
Charlene Orton, Permitting & Inspections Administrator*



MEMORANDUM

To: Development Review Board
From: Ryan Morrison, Associate Planner
Date: May 4, 2021
RE: 21-0785CA/CU; 57 South Williams Street

=====

The applicant requests to defer this application to the next DRB meeting to provide additional information. The next available DRB meeting is May 18, 2021.

Burlington Development Review Board

Department of Permitting & Inspections
645 Pine Street
Burlington, VT 05401
www.burlingtonvt.gov/DPI/DRB
Telephone: (802) 865-7188
Fax: (802) 863-0466

Brad Rabinowitz
AJ LaRosa
Springer Harris
Geoff Hand
Brooks McArthur
Kienan Christianson
Caitlin Halpert
Sean McKenzie, (Alternate)
Ravi Venkataraman, (Alternate)



BURLINGTON DEVELOPMENT REVIEW BOARD

Tuesday, May 4th, 2021, 5:00 PM

REMOTE MEETING

Zoom: <https://us02web.zoom.us/j/83847498134?pwd=eIVReUk0WklkVjgyaklaUUlvSmc4Zz09>

Webinar ID: 838 4749 8134

Password: 191951

Telephone: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or
+1 669 900 6833 or +1 253 215 8782

Agenda

- I. **Agenda**
- II. **Communications**
- III. **Minutes**
- IV. **Consent**
 1. **21-0824SN; 3090 North Ave (RL-W, Ward 7N) Winooski Valley Park District**
Install information kiosk in flood hazard area. (Project Manager: Scott Gustin)
- V. **Public Hearing**
 1. **21-0837CA; 180 North Street (NMU, Ward 3C) 180 North, LLC**
Demolish historic garage and rebuild on existing footprint. Add a dwelling unit above garage, and add another unit within the existing duplex for a total of 4 units on the property. Add driveway and landscaping. (Project Manager: Ryan Morrison)
 2. **21-0785CA/CU; 57 South Williams Street (RH, Ward 1E) VT Organization for Jewish Education, Lubavitch**
Change of use from dormitory rooms and one apartment to an elementary school use. Request a parking waiver. (Project Manager: Ryan Morrison)
- VI. **Certificate of Appropriateness**
 1. **21-0872CA; 6-8 College Street (DW-PT, Ward 3C) Burlington Parks, Recreation, and Waterfront**
Re-align and reconstruct greenway between King and College Streets. (Project Manager: Scott Gustin)
 2. **21-0874CA; 0 Flynn Ave (RCO-RG, Ward 3C) Burlington Parks, Recreation, and Waterfront**
Reconstruct greenway through Oakledge Park. (Project Manager: Scott Gustin)
 3. **21-0677CA; 184-186 North Winooski Ave (NMU, Ward 2C) North Winooski Avenue 184 LLC**
Remove garage and construct a four unit building; add parking, dumpster enclosure and bike shelter. (Project Manager: Ryan Morrison)
- VII. **Adjournment**

Plans may be viewed upon request by contacting the Department of Permitting & Inspections between the hours of 8:00 a.m. and 4:30 p.m. Participation in the DRB proceeding is a prerequisite to the right to take any subsequent appeal. Please note that ANYTHING submitted to the Zoning office is considered public and cannot be kept confidential. This

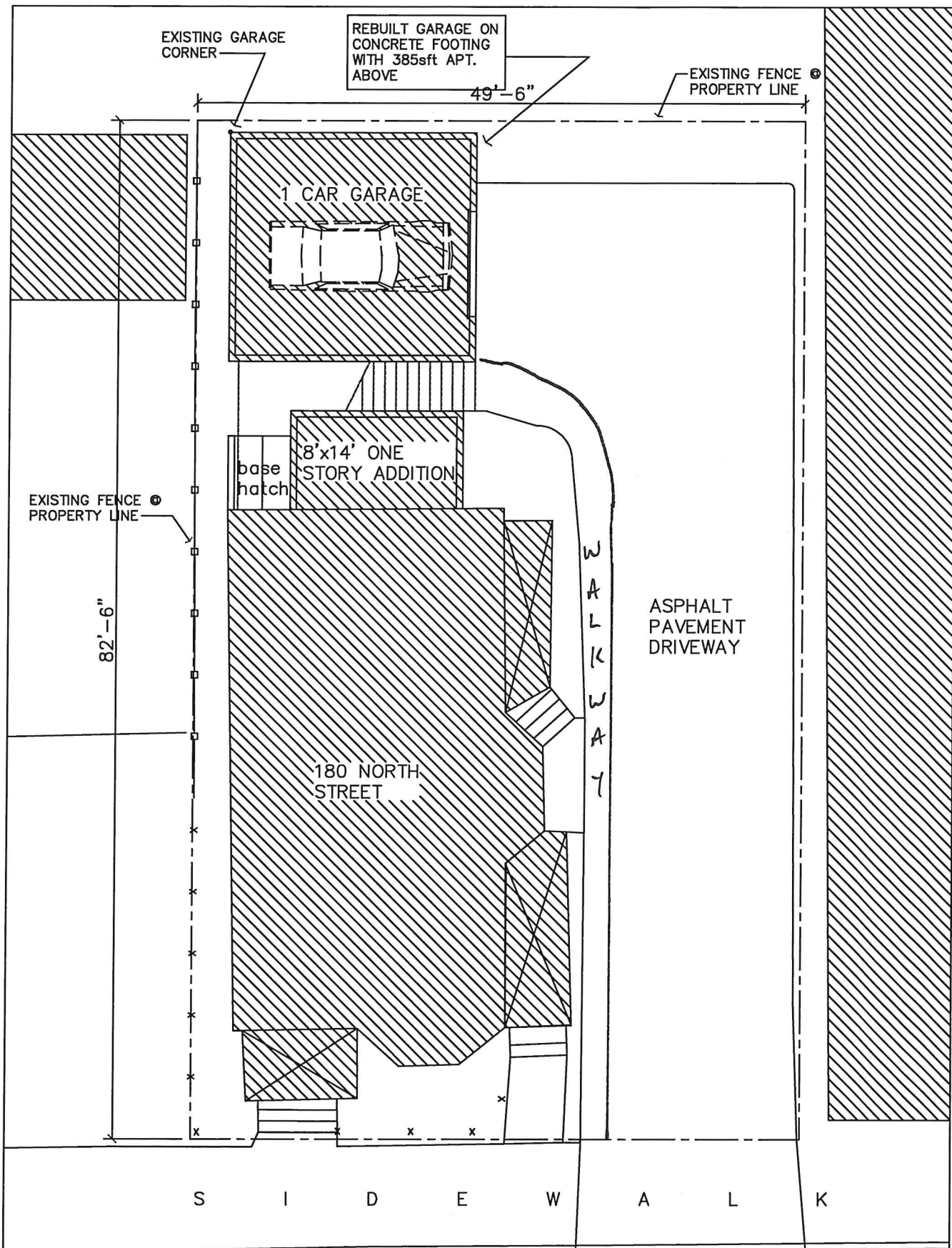
The programs and services of the City of Burlington are accessible to people with disabilities.

Individuals who require special arrangements to participate are encouraged to contact the Zoning Division at least 72 hours in advance so that proper accommodations can be arranged. For information call 865-7188 (TTY users: 865-7142).

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may not be the final order in which items will be heard. Please view final Agenda, at www.burlingtonvt.gov/dpi/drb/agendas or the office notice board, one week before the hearing for the order in which items will be heard.

The City of Burlington will not tolerate unlawful harassment or discrimination on the basis of political or religious affiliation, race, color, national origin, place of birth, ancestry, age, sex, sexual orientation, gender identity, marital status, veteran status, disability, HIV positive status, crime victim status or genetic information. The City is also committed to providing proper access to services, facilities, and employment opportunities. For accessibility information or alternative formats, please contact Human Resources Department at (802) 540-2505.

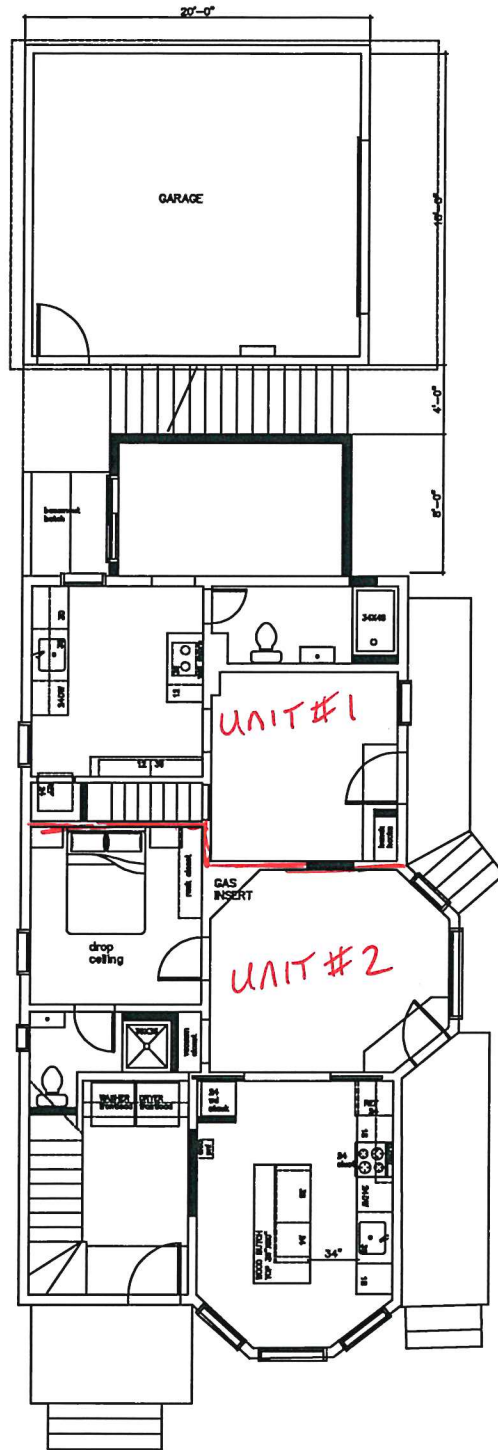


LOT COVERAGE 180 NORTH STREET:

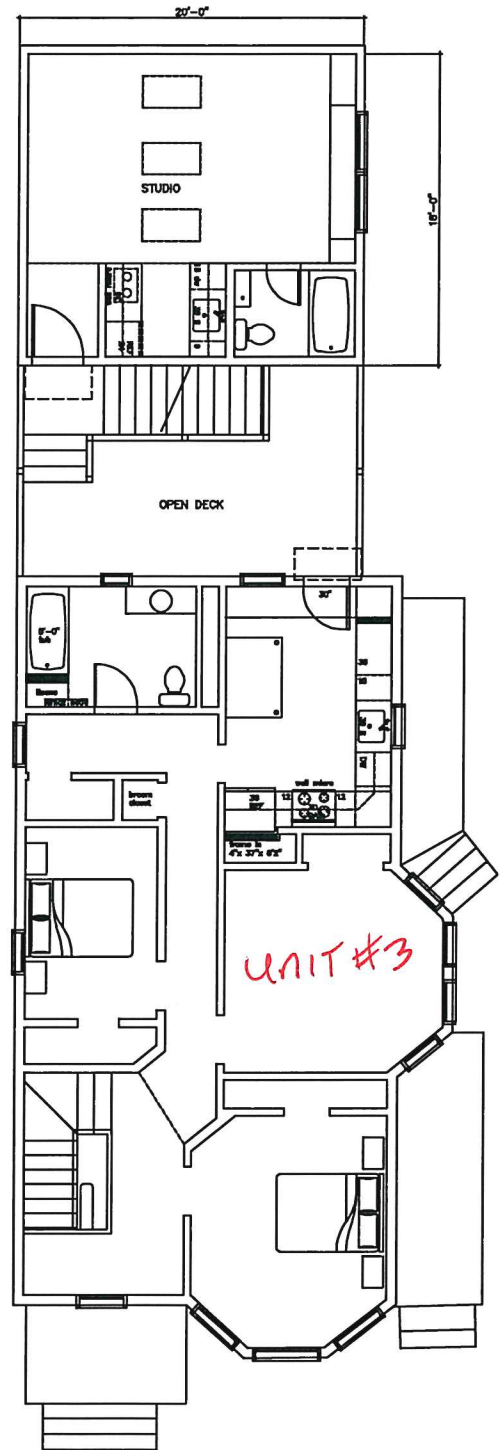
TOTAL LOT SIZE: **4084sft**

LOT COVERAGE total proposed: (3248sft) TOTAL LOT COVERAGE: 79.5%



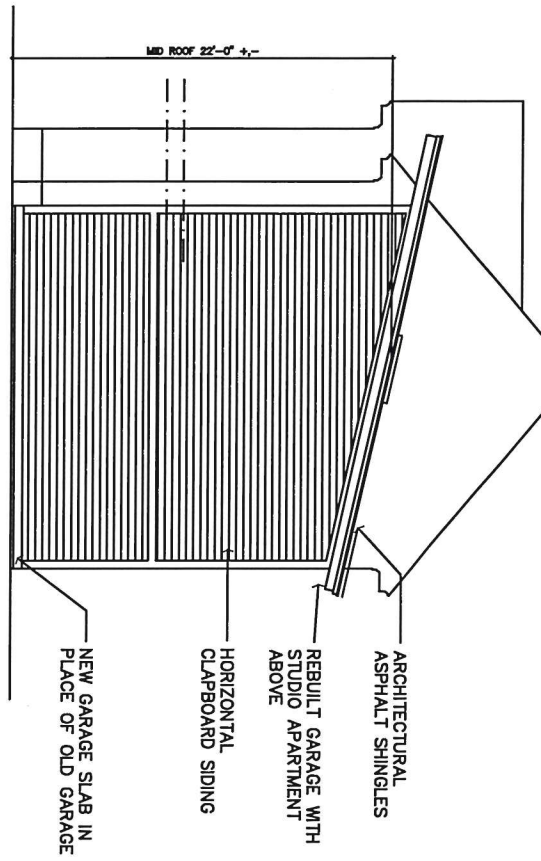


FIRST FLOOR

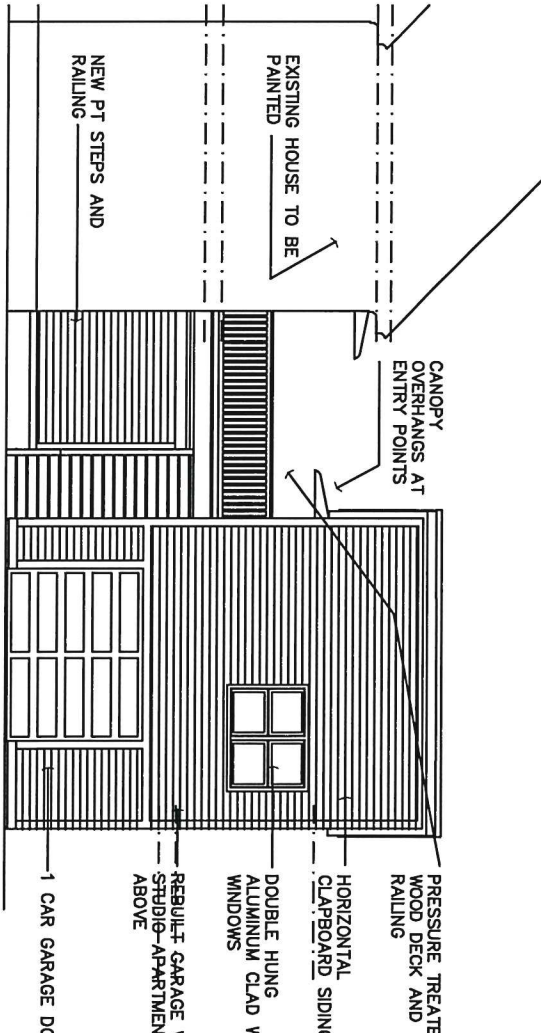


SECOND FLOOR

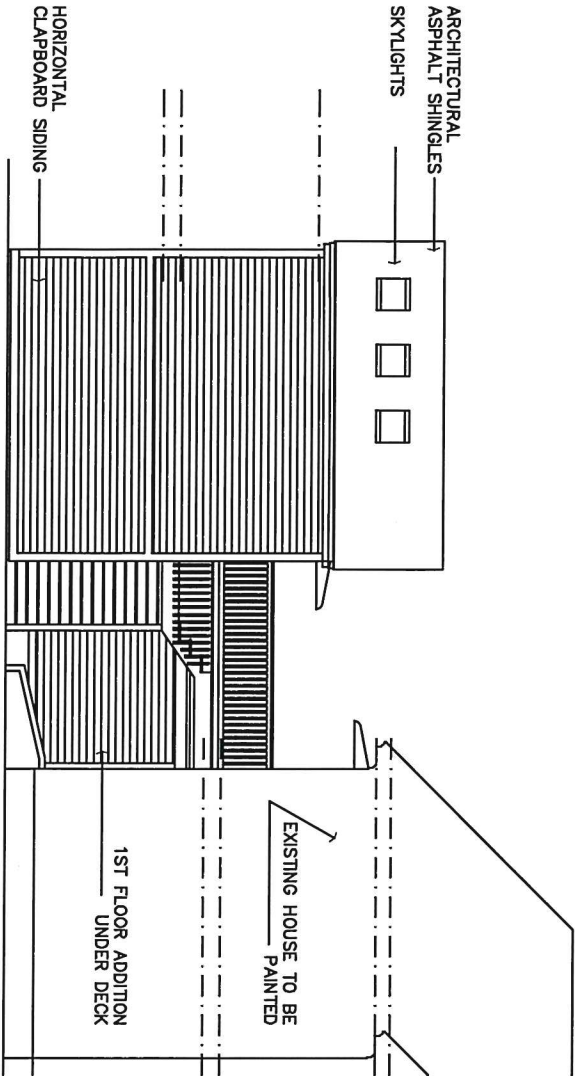
N O R T H



E A S T



W E S T



SCALE: $\frac{3}{32}$ "

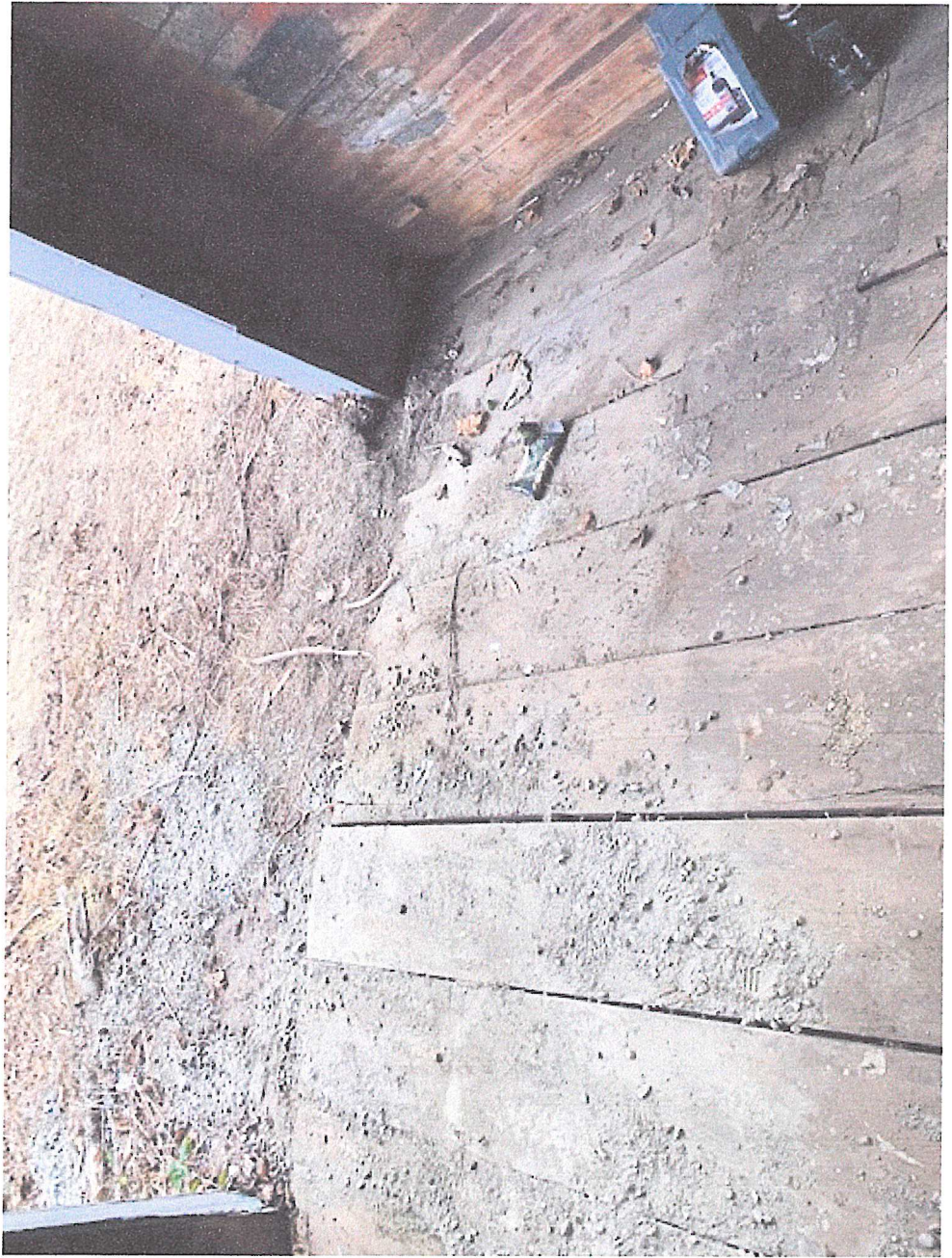


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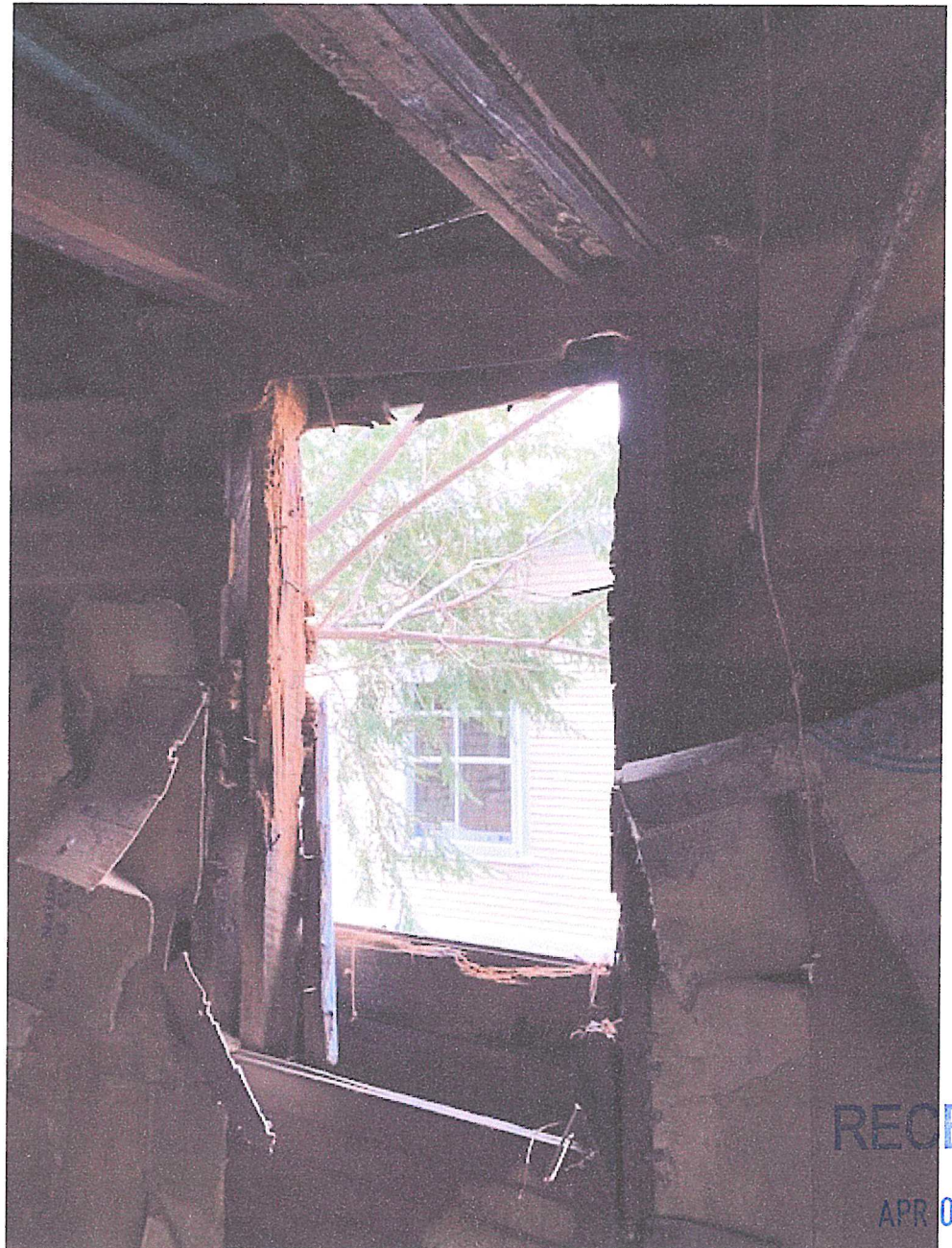
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wood floor level is lower than grade!



Wavy Floor → rotted without foundation!

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PERMITTING & INSPECTION

ceiling is (caved in) all rotted wood.

Ryan Morrison

From: samuel gardner <samueljgardner@icloud.com>
Sent: Wednesday, April 28, 2021 9:56 AM
To: Ryan Morrison
Subject: 180 barn- middle floor

[WARNING]: This email was sent from someone outside of the City of Burlington.

Here is a photo of the 2nd floor structure: the 2x6 joists are 2' on center and at one point had wide board flooring- as seen in the photo the flooring is missing because it rotted and fell away. The joist beams are separating and falling down as well.



Sent from my iPhone

Ryan Morrison

From: samuel gardner <samueljgardner@icloud.com>
Sent: Wednesday, April 28, 2021 9:52 AM
To: Ryan Morrison
Subject: 180 North barn

[WARNING]: This email was sent from someone outside of the City of Burlington.

Hi Ryan,

The barn structure has 2x4 exterior walls 24" on center. The photos below show that the rot is so bad that some sections are missing all together- see below photos. The photos are taken from the inside of the barn of the outside walls.

As you can see it's almost as if the walls are being held up by the siding boards. Either rot or termites has deteriorated structural members





Ryan Morrison

From: samuel gardner <samueljgardner@icloud.com>
Sent: Wednesday, April 28, 2021 10:04 AM
To: Ryan Morrison
Subject: 180 north barn: sill/ base

[WARNING]: This email was sent from someone outside of the City of Burlington.

The barn is sitting at ground level or lower - around the south and west sides, so the base structure is wicking water and a lot of rot is apparent or in this case rotted











United States Department of the Interior

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provide little overhang. The building has both wooden and aluminum siding. There is a two story front porch, which is ornamented with posts and half walls. In addition there is an enclosed stairwell attached to the front porch with a central entrance. There is a large, one story barn with sliding doors that is attached to the rear of the building. There has also been a two and one half story dwelling attached to the west facade of the building.

This vernacular building was built by the caretaker Arsene Boucher, who ran the barber/caretaker business at 169 North Street. Boucher used the structure for storing caskets for his funeral parlor. The building is presently used for apartments.

61) 176 North Street / c. 1870

This two and one half story, four by three bay, sidehall plan Italianate building has a stone foundation, balloon framing, a wooden truss roof structure that is covered with slate and a central chimney. The front facade has a one story porch ornamented with turned posts. The four panelled front door is orientated on the left and is flanked by 3/4 length sidelights, pilasters and an entablature with a projecting cornice. The rear third of the building is a modern addition. There is one story one by two bay wing on the left facade. The windows throughout the building are two-over-two double hung with peaked lintels. A bay window was added to the front facade between 1926 - 1942. There is an addition on the west facade that has a modern doorway.

The building characterizes the typical housing built for returning soldiers from the Civil War attracted to Burlington to work in the lumber industry. The first known occupant was James McGettrick, an employee of the Central Vermont Railway in 1881. This building is listed on the Burlington Inventory of Historic Resources.

62) 180 North Street / c. 1899

This Queen Anne house is a two and one half story, four by four bay, slate covered gable-roofed structure with a stone foundation, balloon frame, clapboard siding and a central chimney. The building has an asymmetrical plan characterized by a two story corner bay, which terminates in a pediment and has a small multi-paned window. The front entrance is orientated on the left side of the building. The door is Queen Anne style and also has a plain architrave. The east facade is also characterized by a two story bay. The west roof slope has a gable dormer. There are also an entrance and side porches, ornamented with turned posts and spindle screens. The windows throughout the building are one-over-one Queen Anne sash with plain architrave.

62a) Garage, c. 1899

The garage is a two-story, wood clapboard structure with an asphalt shingled gable roof. It has wood clapboard, corner boards, a cross braced batten door and a hayloft door. The side elevation

United States Department of the Interior
National Park Service

National Register of Historic Places
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 has a six pane fixed sash and a wood panel door.

The building is an excellent example of the Queen Anne style structures found throughout the entire city. The house also depicts the diversity of architectural styles on North Street. The building was built by Eugene Gosselin, who owned two drug stores on North Street: one on the corner of Elmwood and the other on the corner of Champlain. This characterizes the commercial/residential character of North Street, in which the businessman lived on North Street as well as run his business. The building is presently used for apartments. This building is listed on the Burlington Inventory of Historic Resources.

63) 184 North Street / c. 1878 / Giroux Sign Shop

This two story, two by eight bay vernacular building has a concrete foundation and balloon framing. A wood truss roof structure supports a street facing gable, which has a slate roof. There is a gable vent in the pediment. The building has both clapboard and aluminum siding. The building has an altered storefront and a second story, enclosed porch attached to the east facade. There is a central chimney and an exterior wall chimney at the end of the addition. There are also several large two story ells, built c. 1910, attached to the rear of the building.

This building is located in the historic economic center of the Old North End. From c. 1910 - c. 1958, the building was the home of Gelineau's Pastry Shoppe. The first resident, Henry O' Neil, who was a local boilermaker, lived here from c. 1879 to c. 1910. The building is presently the main office for Giroux Signs.

64) 188 North Street / c. 1885

This two and one half story, five by three bay Queen Anne style house has a stone foundation, balloon frame and clapboard siding. The building has a street facing gable roof with a slate roof and projecting eaves. There is a one story ell attached to the rear. The front facade has a two story bay window that with a pedimented roof. Windows are one-over-one with stained glass panes and a wood molded cornice on the architrave. The front door is orientated on the right side of the building and has an entrance hood with open trussed brackets. There is a second story porch attached to the rear ell, which has wooden stairs for access to the rear entry. This building is listed on the Burlington Inventory of Historic Resources.

64a) Garage, c. 1885

This one story garage has vertical wood panel siding, a shed roof and a boxed projecting cornice. The front facade has double hinged doors with plain surround.



16'x7' Fiberglass Garage door:

James Hardie HardiePlank Fiber Cement CedarMill Siding 7.25"x144" Evening Blue 1pc

IN STOCK
Qty 149 left
SKU: F111118

For Hardie to improve this product

\$10.92

Buy 20 for \$10.37 each and save 5%
Buy 100 for \$9.47 each and save 15%
Buy 250 for \$8.57 each and save 25%

✓ Extended delivery in Friday, 4/23/15 to Tuesday, 4/27/15. You order this item in the next

0 0 40 30
day hour minutes seconds

Add to Cart

Qty

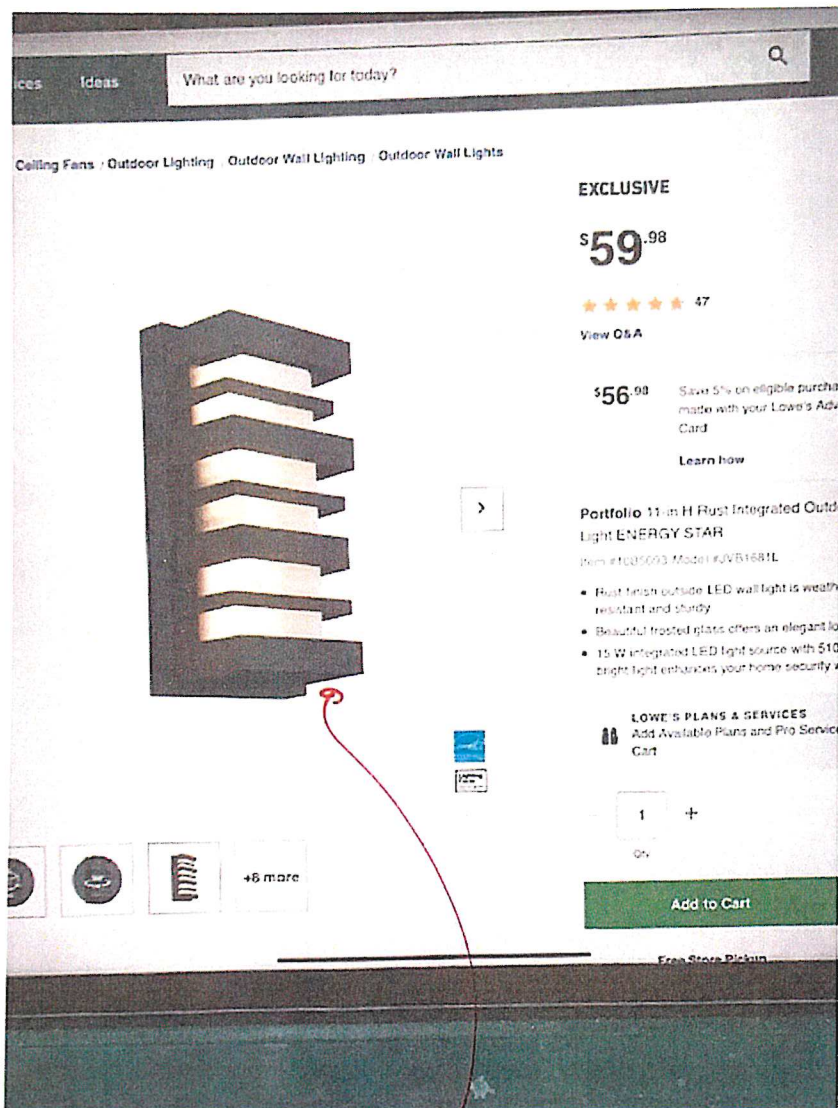
and to compare

This product is rated Frost Zone 5, Wetting 100%
100% moisture, see instructions for 100% & 100% weather zones.
See page 1424 and 1425 for this specific order's dimensions and color.

James Hardie HardiePlank Fiber Cement CedarMill Siding

Think HardiePlank Fiber Cement. Natural CedarMill Siding has a soft texture that mimics wood. These soft, weather-resistant HardiePlank Fiber Cement siding and trim are made from a blend of natural fibers and cement. A full thickness of cedar and a full thickness of cement. A solid, long-lasting siding and trim. A solid, long-lasting siding and trim. A solid, long-lasting siding and trim.

Cedarboard Siding



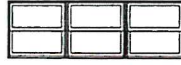
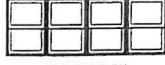
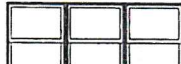
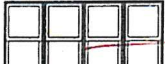
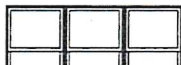
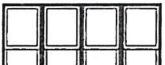
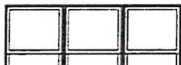
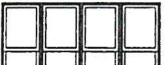
exterior lights

WOOD DOUBLE HUNG

MARVIN

MARVIN®

3 Wide and 4 Wide

MO (mm) RO (mm) FS (mm)	9-5 (2870) 9-5 1/2 (2883) 9-4 1/2 (2858)	7-2 1/2 (2197) 7-3 (2210) 7-2 (2184)	8-6 1/2 (2604) 8-7 (2616) 8-6 (2591)
3-0 (914) 3-0 1/4 (921) 2-11 3/4 (903)	 ELDH3836 3W	 ELDH2238 4W	 ELDH2636 4W
3-4 (1016) 3-4 1/4 (1022) 3-3 3/4 (1010)	 ELDH3840 3W	 ELDH2240 4W	 ELDH2640 4W
3-8 (1178) 3-8 1/4 (1124) 3-7 3/4 (1111)	 ELDH3844 3W	 ELDH2244 4W	 ELDH2644 4W
4-0 (1219) 4-0 1/4 (1226) 3-11 3/4 (1213)	 ELDH3848 3W	 ELDH2248 4W	 ELDH2648 4W
4-4 (1321) 4-4 1/4 (1327) 4-3 3/4 (1314)	 ELDH3852 3W	 ELDH2252 4W	 ELDH2652 4W
4-8 (1422) 4-8 1/4 (1429) 4-7 3/4 (1410)	 ELDH3856 3W	 ELDH2256 4W	 ELDH2656 4W
5-0 (1524) 5-0 1/4 (1530) 4-11 3/4 (1510)	 ELDH3860 3W E	 ELDH2260 4W	 ELDH2660 4W
5-4 (1626) 5-4 1/4 (1632) 5-3 3/4 (1619)	 ELDH3864 3W E	 ELDH2264 4W	 ELDH2664 4W
5-8 (1727) 5-8 1/4 (1734) 5-7 3/4 (1721)	 ELDH3868 3W	 ELDH2268 4W	 ELDH2668 4W
6-0 (1829) 6-0 1/4 (1835) 5-11 3/4 (1822)	 ELDH3872 3W E	 ELDH2272 4W	 ELDH2672 4W
6-4 (1930) 6-4 1/4 (1937) 6-3 3/4 (1924)	 ELDH3876 3W E	 ELDH2276 4W	 ELDH2676 4W

Details and Elevations not to scale.

Special sized units available within and outside of CN matrix. Please contact your Marvin dealer.

Minimum frame size: 17 1/2" x 27 3/4"

Maximum frame size: 53 1/2" x 83 3/4"

Optional Double Hung GBGs and SDLs are available in a standard Rectangular cut shown. Other available lite cuts shown on page 3.

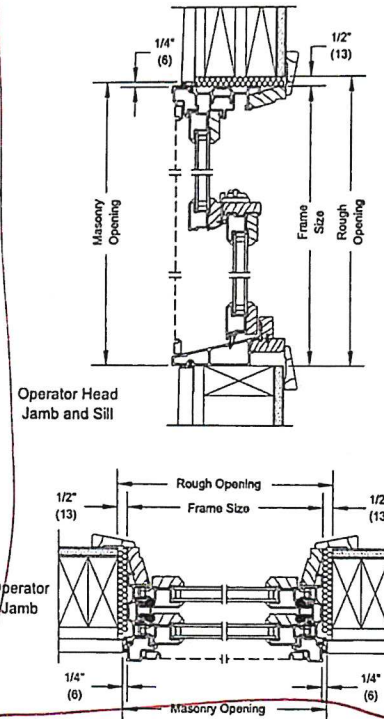
When ordering 6 1/8" (167 mm) or 6 13/16" (173 mm) jambs, add 1/4" (6 mm) to width and 1/4" (3 mm) to height for Rough Opening, Frame Size and Masonry Opening.

E = These windows meet National Egress Codes for fire evacuation. Local codes may differ.

Available in equal, cottage, and reverse cottage sash configurations. Cottage and reverse cottage sash configurations are not available below CN 36 height and above CN 68 height.

For further details and drawings visit the "Tools and Documents" section at Marvin.com.

Construction Details



MULTIPLE ASSEMBLIES

Multiple assemblies can be factory milled.

MAXIMUM ROUGH OPENING not to exceed 113 1/2" x 76 1/4" Maximum up to 5 units wide by 1 unit high.

MAXIMUM ROUGH OPENING not to exceed 84" x 92" Maximum up to 3 units wide by 5 units high.

Field mull kits are available. Structural mullion reinforcement is required for some assemblies.

Please consult your local Marvin representative for more information.

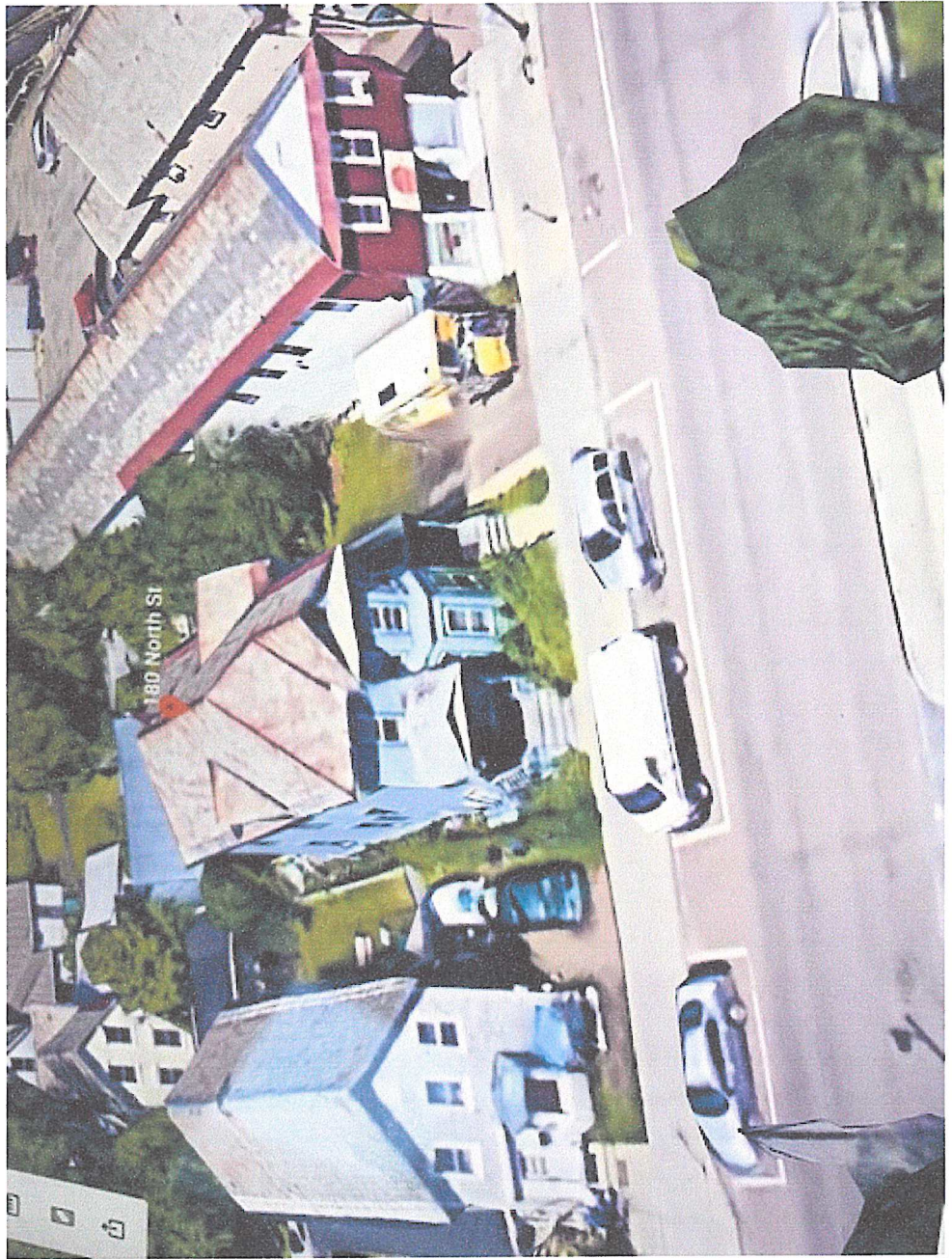




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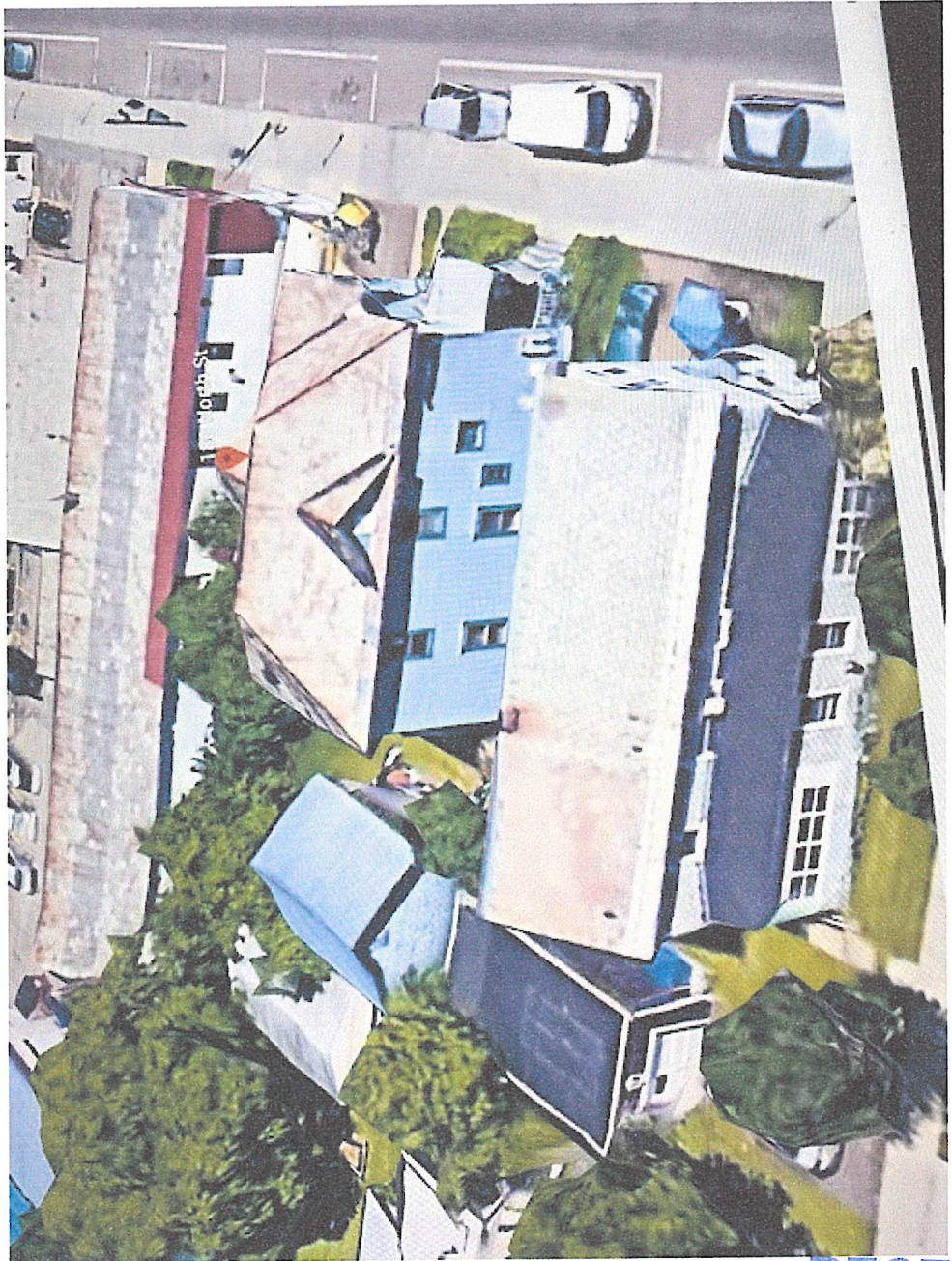
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Department of Permitting & Inspections

Zoning Division
645 Pine Street
Burlington, VT 05401
Telephone: (802) 865-7188
(802) 865-7195 (FAX)
(802) 865-7142 (TTY)

William Ward, Director
Scott Gustin, AICP, CFM, Principal Planner
Mary O'Neil, AICP, Principal Planner
Ryan Morrison, Associate Planner
Layne Darfler, Planning Technician
Alison Davis, Zoning Clerk
Ted Miles, Zoning Specialist
Charlene Orton, Permitting & Inspections Administrator



MEMORANDUM

To: Development Review Board
From: Ryan Morrison, Associate Planner
Date: May 4, 2021
RE: 21-0837CA; 180 North Street

=====

Note: These are staff comments only. Decisions on projects are made by the Development Review Board, which may approve, deny, table or modify any project. THE APPLICANT OR REPRESENTATIVE MUST ATTEND THE MEETING.

File: ZP21-0837CA

Location: 180 North Street

Zone: NMU **Ward:** 3C

Date application accepted: April 1, 2021

Owner / Applicant: 180 North LLC / Samuel Gardner

Parking District: Multimodal Mixed-Use

Request: The applicant seeks approval to demolish an existing historic garage and replace it with a new 2-car, 2-story garage structure with an apartment in the second story, and add a third residential unit in the existing duplex, for a total of four units on the property. Also, add a 1 story addition at the rear of the existing residential structure.

Applicable Regulations:

Article 3 (Applications, Permits, and Project Reviews), Article 4 (Zoning Maps and Districts), Article 5 (Citywide General Regulations), Article 6 (Development Review Standards), Article 8 (Parking)

Background:

- **Zoning Permit 10-0091FC;** new fence. Approved 7/28/09
- **Non-Applicability of Zoning Permit 13-0905NA;** in-kind porch roof replacement. Approved 4/5/13.

Overview:

The applicant proposes to demolish and replace a historic garage with a new, 2-story garage that will include an apartment in the second story, and extend the driveway. Additionally, the applicant proposes to increase the residential unit count in the primary structure from 2 units to 3 units – for a total of 4 residential units on the property. The replacement garage will connect to the primary structure via a second story deck. Lastly, construct a one-story addition to the rear of the existing residential structure.

The existing garage is included in the property's listing in the North Street Historic District (national registry). The National listing notes the garage as *'a two-story, wood clapboard structure with an asphalt shingled gable roof. It has wood clapboard, corner boards, a cross braced batten door and a hayloft door. The side elevation has a six pane fixed sash and a wood*

panel door. The primary structure is included on the State Historic Register, but the garage is not included therein. The applicant has provided photos which show some garage deterioration.

Recommendation: Certificate of Appropriateness and Conditional Use Approval, per the following findings and conditions:

I. Findings

Article 3: Applications, Permits and Project Reviews

Part 3: Impact Fees

Section 3.3.2 Applicability

Any new development or additions to existing buildings which result in new dwelling units or in any new non-residential buildings square footage are subject to impact fees.

Impact fees shall be calculated based on the total gross square footage of the principal use (additional unit, second floor of garage). Per the submitted plans, an estimate of the fees is:

SF of Project 385

Department	<u>Residential</u>	
	Rate	Fee
Traffic	0.200	77.00
Fire	0.226	87.01
Police	0.045	17.33
Parks	0.759	292.22
Library	0.470	180.95
Schools	0.981	377.69
Total	2.681	\$ 1,032.20

The applicant shall submit a final calculation of gross square footage to make final an Impact Fee assessment. **Affirmative finding as conditioned.**

Section 3.3.8 Time and Place of Payment

Impact fees must be paid to the city's chief administrative officer / city treasurer according to the following schedule:

- a) *New buildings: Impact fees must be paid at least seven days prior to occupancy of a new building or any portion thereof.*

Affirmative finding as conditioned.

Part 5: Conditional Use and Major Impact Review

Section 3.5.6 Review Criteria

(a) Conditional Use Review Standards

Approval shall be granted only if the DRB, after public notice and public hearing, determines that the proposed conditional use and associated development shall not result in an undue adverse effect on each of the following general standards:

1. *Existing or planned public utilities, facilities, or services are capable of supporting the proposed use in addition to the existing uses in the area;*

The proposal will have minimal impact on public utilities, facilities and services. The applicant will have to secure a letter from the Department of Public Works verifying that there is adequate water and sewer capacity for the new dwelling units. A state wastewater permit will also be needed. **Affirmative finding as conditioned.**

2. *The character of the area affected as defined by the purpose or purposes of the zoning district(s) within which the project is located, and specifically stated policies and standards of the Municipal Development Plan;*

The property is within an established mixed-use neighborhood and zoning district. The Neighborhood Mixed Use (NMU) zoning district is intended to preserve and enhance historically commercial areas while reinforcing the compact scale and development patterns within the city's older neighborhoods. Uses are intended to provide neighborhood oriented goods and services and employment opportunities within walking or biking distance of residential neighborhoods. The proposal will result in two additional dwelling units, the reconstruction of an accessory structure, and a small addition to the rear of the existing residential structure. **Affirmative finding.**

3. *The proposed use will not have nuisance impacts from noise, odor, dust, heat, and vibrations greater than typically generated by other permitted uses in the same zoning district;*

No greater impacts are anticipated than other mixed-uses in the area. **Affirmative finding.**

4. *The transportation system is capable of supporting the proposed use in addition to the existing uses in the area. Evaluation factors include street designations and capacity; level of service and other performance measures; access to arterial roadways; connectivity; transit availability; parking and access; impacts on pedestrian, bicycle and transit circulation, safety for all modes; and adequate transportation demand management strategies;*

This property is located along North Street, a highly developed mixed-use street. The property will have its own driveway and parking. There are transit stops all along North Street, well within walking distance from the property, and sidewalks exist on both sides of the street. The proposal is not expected to create adverse impacts on the existing transportation system. **Affirmative finding.**

5. *The utilization of renewable energy resources;*

Nothing within the application prevents the use of wind, solar, water, geothermal or other renewable energy resource. **Affirmative finding.**
and;

6. *Any standards or factors set forth in existing City bylaws and city and state ordinances.*

The replacement structure and rear building addition will be subject to applicable life safety and building standards. **Affirmative finding as conditioned.**

(c) Conditions of Approval

In addition to imposing conditions of approval necessary to satisfy the General Standards specified in (a) or (b) above, the DRB may also impose additional conditions of approval relative to any of the following:

1. *Mitigation measures, including but not limited to screening, landscaping, where necessary to reduce noise and glare and to maintain the property in a character in keeping with the surrounding area;*

The replacement structure will be located behind the primary residential structure, and will be difficult to see from the street. The plans do not indicate new landscaping, and given the placement of the driveway and the replacement structure, new landscaping is not tantamount.

Affirmative finding.

2. Time limits for construction.

Standard time limits for construction are as follows: construction must commence within one year from the date of zoning permit issuance, and after that, an additional two years is available to finish the project. **Affirmative finding.**

3. Hours of operation and/or construction to reduce the impact on surrounding properties.

Standard construction hours are 7:00 AM to 5:30 PM, Monday – Friday. Saturday construction hours may be allowed upon request to the Development Review Board. No work on Sunday.

Affirmative finding as conditioned.

4. That any future enlargement or alteration of the use return for review to the DRB to permit the specifying of new conditions,

Should the applicant wish to alter the use or structure(s), such alteration will require review and permitting under regulations in effect at that time. **Affirmative finding as conditioned.**
and

5. Such additional reasonable performance standards, conditions and safeguards as it may deem necessary to implement the purposes of this chapter and the zoning regulations.

None identified.

Article 4: Zoning Maps and Districts

Section 4.4.2 Neighborhood Mixed Use Districts

(a) 2. *The Neighborhood Mixed Use (NMU) district is intended to preserve and enhance historically commercial areas while reinforcing the compact scale and development patterns within the city's older neighborhoods. Uses are intended to provide neighborhood oriented goods and services and employment opportunities within walking or biking distance of residential neighborhoods.*

Per Appendix A – Use Table – All Zoning Districts, ‘Attached Dwellings – Multi-Family (3 or more)’ are permitted uses within the NMU zone. **Affirmative finding.**

(b) Dimensional Standards and Density

The density and intensity of development, dimensions of building lots, the heights of buildings and their setbacks from property boundary lines, and the limits on lot coverage shall be governed by the following standards:

Table 4.4.2-1 Dimensional Standards and Density

Districts	Max. Intensity (floor area ratio¹)	Max. Lot Coverage	Minimum Building Setbacks (feet)			Building Height (feet)
			Front ³	Side	Rear	

NMU	2.0 FAR	80%	0⁵	0²	0²	Min: 2' 2 stories Max: 35
180 North St	0.60	79.5%	N/A	3'	1' (within the 15' min. setback – see Sec 5.3.5 below)	22' (to mid-point of roof pitch)

1. Floor area ratio is described in Sec. 5.2.7. Measurement of and exceptions to height limits are found in Sec 5.2.6. Bonuses for additional FAR and height where available are described in section (d)3 below, and additional height, FAR and lot coverage is afforded by-right for inclusionary housing projects under Sec. 9.1.12. Actual maximum build out potential may be reduced by site plan and architectural design considerations of Art 6.
2. Structures shall be setback a minimum of 15-feet along any zoning district boundary line that abuts a residential zoning district. Lots of record existing as of September 9, 2015 that are split by neighborhood mixed use and residential zones are exempt from this district boundary setback.
3. Structures shall be setback a minimum of 12-feet from the curb on a public street.
4. Exceptions to maximum lot coverage are provided in (d)2.
5. Notwithstanding footnote 4, the NMU district at the intersection of Pine St. and Flynn Avenue shall have a minimum front yard setback of 10 feet.
6. Side and rear yard setbacks are applicable only to the periphery of the NAC-CR district and not to individual parcels within the district.
7. Front yard setbacks for buildings fronting on North Avenue shall be 20' min and 30' max.

A residential zoning district abuts the subject property at the rear, which requires a minimum setback of 15 feet for structures. The replacement garage will maintain the existing garage's footprint, and the height will not increase as a result of the proposal. Sec. 5.3.5 (below) allows for nonconforming structures to be replaced as long as the degree of nonconformity is not increased. This proposal will not increase the degree of nonconformity. The driveway/parking will be setback a minimum distance of 5 ft from the rear property line, which is allowable per Sec. 5.2.5 below. **Affirmative finding.**

(c) Permitted and Conditional Uses

Multi-Family Dwellings (3 or more units) are permitted uses in the NMU zoning district.

Affirmative finding.'

(d) District Specific Regulations

1. Ground Floor Residential Units Restricted

In order to maintain an active streetscape for pedestrians and pedestrian-oriented businesses and activities, residential uses shall not be permitted within 25-feet of a public street right-of-way along the street-level frontage in the NAC District. This restriction shall not apply in the NAC-Riverside and NAC-Cambrian Rise Districts.

The property is zoned NMU. Not applicable.

2. *Exception to Maximum Lot Coverage in the NAC District*
Not applicable.
3. *Development Bonuses/Additional Allowances*
No bonuses or additional allowances are included or sought. Not applicable.

Article 5: Citywide General Regulations

Part 2: Dimensional Requirements

Section 5.2.3 Lot Coverage Requirements

See Table 4.4.2-1, above. **Affirmative finding.**

Section 5.2.4 Buildable Area Calculation

This provision only applies to properties 2-acres or greater in size, and in the RCO, WRM, RM, WRL, and RL zoning districts. Not applicable.

Section 5.2.5 Setbacks

See Table 4.4.2-1, above.

Sec. 5.2.5 (b) Exceptions to Yard Setback Requirements

5. Accessory Structures and Parking Areas

Accessory structures no more than fifteen (15) feet in height, parking areas, and driveways may project into a required side and rear yard setback provided they are no less than five (5) feet from a side or rear yard property line where such a setback is required.

The extended driveway providing access to new garage will be setback the minimum distance of 5 ft from the rear property line, which also happens to be a residential zoning district boundary which requires a 15 ft setback for structures. **Affirmative finding.**

Section 5.2.6 Building Height Limits

See Table 4.4.2-1, above. **Affirmative finding.**

Section 5.2.7 Density Calculations

See Table 4.4.2-1, above. **Affirmative finding.**

Part 3: Non-Conformities

Sec. 5.3.5 Nonconforming Structures

(a) Changes and Modifications

Not applicable.

(b) Demolition

A nonconforming structure may be replaced by a new structure retaining the same degree of nonconformity as the original structure. This provision is limited to the existing dimensional nonconformity (i.e. setback, lot coverage, or height), and shall not expand the degree of nonconformity except as provided for in (a) above. The new structure shall be subject to conformance with all other dimensional requirements (i.e. setback, lot coverage, and height). Zoning permit application for the replacement structure shall be completed within 1 year of demolition of the nonconforming structure; failure to do so shall result in the loss of the ability to retain the nonconformity.

The proposal involves demolishing an existing barn that lies within the minimum 15 ft rear yard setback (as required per Table 4.4.2-1, footnote 2). The replacement garage will maintain the existing footprint and will not increase in height (22 ft as measured to the midpoint of the roof rise), and thus will not increase the degree of nonconformity. As a requirement of this section, the applicant shall complete the zoning permit application within 1 year from the date of the existing garage's demolition. **Affirmative finding as conditioned.**

Part 4: Special Use Regulations

Section 5.4.8 Historic Buildings and Sites

The City seeks to preserve, maintain, and enhance those aspects of the city having historical, architectural, archaeological, and cultural merit. Specifically, these regulations seek to achieve the following goals:

- *To preserve, maintain and enhance Burlington's historic character, scale, architectural integrity, and cultural resources;*
- *To foster the preservation of Burlington's historic and cultural resources as part of an attractive, vibrant, and livable community in which to live, work and visit;*
- *To promote a sense of community based on understanding the city's historic growth and development, and maintaining the city's sense of place by protecting its historic and cultural resources; and,*
- *To promote the adaptive re-use of historic buildings and sites.*

(a) Applicability:

These regulations shall apply to all buildings and sites in the city that are listed, or eligible for listing, on the State or National Register of Historic Places.

As such, a building or site may be found to be eligible for listing on the state or national register of historic places and subject to the provisions of this section if all of the following conditions are present:

1. *The building is 50 years old or older;*
2. *The building or site is deemed to possess significance in illustrating or interpreting the heritage of the City, state or nation in history, architecture, archeology, technology and culture because one or more of the following conditions is present:*
 - A. *Association with events that have made a significant contribution to the broad patterns of history; or,*
 - B. *Association with the lives of persons significant in the past; or,*
 - C. *Embodiment of distinctive characteristics of a type, period, or method of construction, or representation of the work of a master, or possession of high artistic values, or representation of a significant or distinguishable entity whose components may lack individual distinction; or,*
 - D. *Maintenance of an exceptionally high degree of integrity, original site orientation and virtually all character defining elements intact; or,*
 - E. *Yielding, or may be likely to yield, information important to prehistory; and,*

3. *The building or site possess a high degree of integrity of location, design, setting, materials, workmanship, feeling, and association*

The garage at 180 North Street is listed as historic on the North Street Historic District National Register. See attached listing sheet. Therefore, the standards of Section 5.4.8 apply to the garage. **Affirmative finding.**

(d) Demolition of Historic Buildings:

The purpose of this subsection is:

- *To discourage the demolition of a historic building, and allow full consideration of alternatives to demolition, including rehabilitation, adaptive reuse, resale, or relocation;*
- *Provide a procedure and criteria regarding the consideration of a proposal for the demolition of a historic building; and*
- *To ensure that the community is compensated for the permanent loss of a historic resource by a redevelopment of clear and substantial benefit to the community, region, or state.*

1. Application for Demolition

For demolition applications involving a historic building, the applicant shall submit the following materials in addition to the submission requirements specified in Art. 3:

- A. *A report from a licensed engineer or architect who is experienced in rehabilitation of historic structures regarding the soundness of the structure and its suitability for rehabilitation;*

While a report from a licensed engineer or architect with experience in rehabilitation of historic structures has not been submitted, the applicant has submitted photos that he believes are adequate in showing the various areas of barn deterioration. These photos show rotten/damaged interior walls, flooring, and joist beams. The applicant also points out that barn is sitting at or below ground level and the base structure is wicking water and presenting rot. **Affirmative finding if the DRB finds this photographic evidence adequate.**

- B. *A statement addressing compliance with each applicable review standard for demolition;*

The application clearly intends for a complete reconstruction of the barn structure with a second floor living space. While the applicant hasn't included in the application considerations for alternatives to demolition (rehabilitation, adaptive reuse, resale, or relocation), it appears that the most of the structure may not be salvageable due to rotten materials and failing construction. **Affirmative finding.**

- C. *Where a case for economic hardship is claimed, an economic feasibility report prepared by an architect, developer, or appraiser, or other person experienced in the rehabilitation and adaptive reuse of historic structures that addressed:*

- (i) *the estimated market value of the property on which the structure lies, both before and after demolition or removal; and*
- (ii) *the feasibility of rehabilitation or reuse of the structure proposed for demolition or partial demolition;*

There is no claim for economic hardship. **Not applicable.**

- D. A redevelopment plan for the site, and a statement of the effect of the proposed redevelopment on the architectural and historical qualities of other structures and the character of the neighborhood around the sites; and*

The application includes a plan for the redevelopment of the barn structure while not affecting the primary historic structure on the property – the existing duplex structure. **Affirmative finding.**

- E. Elevations, drawings, plans, statements, and other materials which satisfy the submission requirements specified in Art. 3, for any replacement structure or structures to be erected or constructed pursuant to a development plan.*

These materials are included in the application. **Affirmative finding.**

2. Standards for Review of Demolition

Demolition of a historic structure shall only be approved by the DRB pursuant to the provisions of Art. 3, Part 5 for Conditional Use Review and in accordance with the following standards:

- A. The structure proposed for demolition is structurally unsound despite ongoing efforts by the owner to properly maintain the structure; or*

Although there is no professional analysis provided that addresses the soundness of the barn, photos submitted indicate that it may be beyond simple maintenance efforts to maintain. Since the current owners purchased the property only in December, 2020, it seems that they ‘adopted’ a dilapidated historic barn. **Affirmative finding.**

- B. The structure cannot be rehabilitated or reused on site as part of any economically beneficial use of the property in conformance with the intent and requirements of the underlying zoning district; and, the structure cannot be practicably moved to another site within the district; or*

Even short of a professional analysis from an engineer or architect, the majority of the barn’s interior appears to be damaged/rotten beyond the point of reuse.

Affirmative finding.

- C. The proposed redevelopment of the site will provide a substantial community-wide benefit that outweighs the historic or architectural significance of the building proposed for demolition.*

The redevelopment of the barn into a 2-story garage (with living space on the second floor) won’t necessarily provide a community-wide benefit since it is for personal use and will be almost unseen from the street. The main point the applicants are trying to make is that the existing barn is damaged enough to warrant its demolition.

Affirmative finding.

And all of the following:

- D. The demolition and redevelopment proposal mitigates to the greatest extent practical any impact to the historical importance of other structures located on the property and adjacent properties;*

The primary historic structure on the property (the existing duplex) will remain as-is, however with a small one-story addition at the rear. While the new garage will be

within view from immediately adjacent properties, it will be difficult to see from the public street. **Affirmative finding.**

- E. *All historically and architecturally important design, features, construction techniques, examples of craftsmanship and materials have been properly documented using the applicable standards of the Historic American Building Survey (HABS) and made available to historians, architectural historians and others interested in Burlington's architectural history; and*

The existing barn is documented in the North Street Historic District (National Listing), and photos are included with this application. **Affirmative finding.**

- F. *The applicant has agreed to redevelop the site after demolition pursuant to an approved redevelopment plan which provides for a replacement structure(s).*

- (i) *Such a plan shall be compatible with the historic integrity and enhances the architectural character of the immediate area, neighborhood, and district;*

The proposed replacement structure varies from the existing barn's appearance, and may likely vary from other accessory structures in the immediate area. However, because of its location at the rear of the property, the primary residential structure will essentially screen it from view.

Affirmative finding.

- (ii) *Such plans must include an acceptable timetable and guarantees which may include performance bonds/letters of credit for demolition and completion of the project; and*

The application includes a complete redevelopment; however no such timetable has been provided by the applicant. What is relevant here is that construction must commence within one year from the date of zoning permit issuance. Once that requirement has been met, the zoning permit is active for an additional 2 years (3 years total) in order to complete the project.

Affirmative finding.

- (iii) *The time between demolition and commencement of new construction generally shall not exceed six (6) months.*

See above. In order to keep the zoning permit effective, construction must start within a year of zoning permit approval. **Affirmative finding.**

This requirement may be waived if the applicant agrees to deed restrict the property to provide for open space or recreational uses where such a restriction constitutes a greater benefit to the community than the property's redevelopment.

The private property is in a highly developed mixed-use neighborhood. This would not be likely. **Not applicable.**

3. Deconstruction: Salvage and Reuse of Historic Building Materials

The applicant shall be encouraged to sell or reclaim a structure and all historic building materials, or permit others to salvage them and to provide an opportunity for others to purchase or reclaim the building or its materials for future use. An applicant may be required to advertise the availability of the structure and materials for sale or salvage in a local newspaper on at least three (3) occasions prior to demolition.

The applicant should endeavor to salvage and reuse, or provide to others, whatever building materials can reasonably be salvaged. **Affirmative finding as conditioned.**

Part 5: Performance Standards

Section 5.5.1 Nuisance Regulations

Nothing within the application suggests non-compliance with applicable nuisance regulations and performance standards per the requirement of the Burlington Code of Ordinances. **Affirmative finding.**

Section 5.5.2 Outdoor Lighting

A lighting fixture spec sheet has been provided, but the elevation plans do not show where these fixtures will be placed. The plans will need to be updated to show this. The specific fixture to be used complies with the standards of this section. **Affirmative finding as proposed.**

Section 5.5.3 Stormwater and Erosion Control

An Erosion Prevention and Sediment Control Plan and stormwater plan will need to be submitted to the Stormwater Program Manager for review and approval. Prior to the release of the zoning permit, these plans shall be approved. **Affirmative finding as conditioned.**

Section 5.5.4 Tree Removal

The plans do not identify any trees to be removed. **Affirmative finding.**

Article 6: Development Review Standards

Part 1: Land Division Design Standards

No land division is proposed as part of this application. **Not applicable.**

Part 2: Site Plan Design Standards

Sec. 6.2.2 Review Standards

(a) Protection of Important Natural Features:

There are no important natural features on the property. **Not applicable.**

(b) Topographical Alterations:

No topographical alterations are defined within the project application. **Not applicable.**

(c) Protection of Important Public Views:

There are no protected important views from or through this property. **Not applicable.**

(d) Protection of Important Cultural Resources:

Burlington's architectural and cultural heritage shall be protected through sensitive and respectful redevelopment, rehabilitation, and infill. Archeological sites likely to yield information important to the city's or the region's pre-history or history shall be evaluated, documented, and avoided whenever feasible. Where the proposed development involves sites listed or eligible for listing on a state or national register of historic places, the applicant shall meet the applicable development and design standards pursuant to Sec. 5.4.8(b).

See Section 5.4.8, above. **Affirmative finding.**

(e) Supporting the Use of Renewable Energy Resources:

No part of this application precludes the use of wind, solar, water, geothermal or other renewable energy resource. **Affirmative finding.**

(f) Brownfield Sites:

This address is not listed on the Vermont DEC website for identified Brownfields. **Not applicable.**

(g) Provide for nature's events:

Special attention shall be accorded to stormwater runoff so that neighboring properties and/or the public stormwater drainage system are not adversely affected. All development and site disturbance shall follow applicable city and state erosion and stormwater management guidelines in accordance with the requirements of Art 5, Sec 5.5.3.

Design features which address the effects of rain, snow, and ice at building entrances, and to provisions for snow and ice removal or storage from circulation areas shall also be incorporated.

The applicant is required to submit an Erosion Prevention and Sediment Control Plan and a Stormwater Plan for review by the Stormwater engineering program. Their review and written approval will be a condition of any permit.

A canopy is proposed above the entrance to the apartment above the garage and will provide cover from the elements. **Affirmative finding.**

(h) Building Location and Orientation:

The replacement structure will take the place of the existing barn, at the rear of the property and behind the primary residential structure. Given this location, it will be difficult to see from the street. **Affirmative finding.**

(i) Vehicular Access:

Access will remain as existing off North Street with the driveway extending to the rear. **Affirmative finding.**

(j) Pedestrian Access:

Pedestrian access between the primary structure and the North Street sidewalk will remain as-is, and there is a walkway between the primary structure and the driveway that will provide pedestrian access to the new stairs/deck serving the new unit above the garage. **Affirmative finding.**

(k) Accessibility for the Handicapped:

The building inspector has jurisdiction over ADA requirements. By his direction and per Chapter 8 of the Burlington Code of Ordinances, 4 to 14 units must provide 1 accessible unit. This review is conducted during the building permit stage. **Affirmative finding as conditioned.**

(l) Parking and Circulation:

Within the Multimodal Mixed-Use Parking District, no parking spaces are required. However, the plans include 1 garage space. **Affirmative finding.**

(m) Landscaping and Fences:

The plans indicate an existing privacy fence along the rear property line. No new landscaping is proposed. **Affirmative finding.**

(n) Public Plazas and Open Space:

There are no public plazas required. **Not applicable.**

(o) Outdoor Lighting:

Where exterior lighting is proposed the applicant shall meet the lighting performance standards as per Sec 5.5.2.

Lighting spec sheets have been provided and they indicate compliance with this section. However, the elevation drawings do not show the location of the outdoor fixture(s) and they will need to.

Affirmative finding as conditioned.

(p) Integrate infrastructure into the design:

Exterior storage areas, machinery and equipment installations, service and loading areas, utility meters and structures, mailboxes, and similar accessory structures shall utilize setbacks, plantings, enclosures and other mitigation or screening methods to minimize their auditory and visual impact on the public street and neighboring properties to the extent practicable.

Utility and service enclosures and screening shall be coordinated with the design of the principal building, and should be grouped in a service court away from public view. On-site utilities shall be place underground whenever practicable. Trash and recycling bins and dumpsters shall be located, within preferably, or behind buildings, enclosed on all four (4) sides to prevent blowing trash, and screened from public view.

Any development involving the installation of machinery or equipment which emits heat, vapor, fumes, vibration, or noise shall minimize, insofar as practicable, any adverse impact on neighboring properties and the environment pursuant to the requirements of Article 5, Part 4 Performance Standards.

Mailboxes for the existing duplex are located next to each unit's front door. The application does not address the locations of the other two mailboxes that will be needed, and it will need to.

Electrical meters are located on the west side of the primary structure, and will be added to accordingly for the new units. The plans do not indicate any new mechanical equipment for the replacement garage. If new mechanical equipment will be installed, the plans will need to be updated to show their locations. **Affirmative finding as conditioned.**

Part 3: Architectural Design Standards

Sec. 6.3.2 Review Standards

(a) Relate development to its environment:

1. Massing, Height and Scale:

The existing barn is two-stories tall, and existing primary structures nearby tend to range in height between 2 to 2 ½ stories. The replacement garage/living structure will maintain the height of the existing barn, as well as maintain the existing footprint. This will essentially result in no increase to the mass, height, and scale of the existing barn. **Affirmative finding.**

2. Roofs and Rooflines.

The existing barn has a gable roof. The applicant proposes the replacement structure with a shed roof with 3 skylights. While there appear to be mostly gable-styled roofs for nearby development, it should be noted that the single-car garage on the abutting property to the west has a flat roof, so some differentiation from gable roofs are present within the area, particularly for accessory structures. **Affirmative finding.**

3. Building Openings

The replacement garage will have only a garage door at the ground level, and double hung windows at the second floor level, placed on the west and east elevations. Three skylights are proposed for the roof. No openings are proposed on the north elevation due to fire code restraints with respect to the building's setback to the property line. Finally, an access door to the second story unit will locate on the south facing façade. **Affirmative finding.**

(b) Protection of Important Architectural Resources:

Burlington's architectural and cultural heritage shall be protected through sensitive and respectful redevelopment, rehabilitation, and infill. Where the proposed development involves buildings listed or eligible for listing on a state or national register of historic places, the applicant shall meet the applicable development and design standards pursuant to Sec. 5.4.8. The introduction of new buildings to a historic district listed on a state or national register of historic places shall make every effort to be compatible with nearby historic buildings.

See Section 5.4.8, above.

(c) Protection of Important Public Views:

There are no protected important views from this property. **Not applicable.**

(d) Provide an active and inviting street edge:

No changes are proposed for the front of the principal building or at the front of the property. **Not applicable.**

(e) Quality of materials:

All development shall maximize the use of highly durable building materials that extend the life cycle of the building, and reduce maintenance, waste, and environmental impacts. Such materials are particularly important in certain highly trafficked locations such as along major streets, sidewalks, loading areas, and driveways. Efforts to incorporate the use of recycled content materials and building materials and products that are extracted and/or manufactured within the region are highly encouraged.

The new garage is proposed to be sided with fiber cement clapboards and trim. Asphalt shingles will be used for roofing material. Double hung aluminum clad wood windows will be installed at the second level of the garage, and the garage door will be of a fiberglass material. The deck, railings, and steps connecting the primary structure with the new garage will be constructed with pressure treated wood. **Affirmative finding.**

(f) Reduce energy utilization:

All new construction shall meet the Guidelines for Energy Efficient Construction pursuant to the requirements of Article VI. Energy Conservation, Section 8 of the City of Burlington Code of Ordinances. **Affirmative finding as conditioned.**

(g) Make advertising features complementary to the site:

No signage is proposed. **Not applicable.**

(h) Integrate infrastructure into the building design:

See Section 6.2.2. (p), above.

(i) Make spaces secure and safe:

Redevelopment is subject to all applicable building and life safety codes as defined by the Burlington's Building Inspector and the Fire Marshal. **Affirmative finding as conditioned.**

Article 8: Parking

Table 8.1.8-1 Minimum Off-Street Parking Requirements

The subject property is located in the Multimodal Mixed-Use Parking District. As such, there is no onsite minimum parking requirement. The site plan identifies 1 parking space within the garage. No other spaces are proposed on the site plan, nor are they required, however it is worth noting that the driveway is long and wide enough to handle additional off-street parking.

Affirmative finding.

Sec. 8.2.5, Bicycle Parking Requirements

Bicycle parking is required at the rate of 1 long term space per 2 bedrooms, and 1 short term space per 10 residential units. The proposal to add one unit within the primary structure (2 to 3) will result in no change to the bedroom count (4). That increase does not trigger an additional long term bicycle space. However, by adding the studio unit above the new garage, the property's overall bedroom count will increase to 5, which will trigger the need for 1 additional long term parking space. The application proposes 1 long term bicycle parking space within the garage. The proposal will not, however, require any additional short term spaces. **Affirmative finding.**

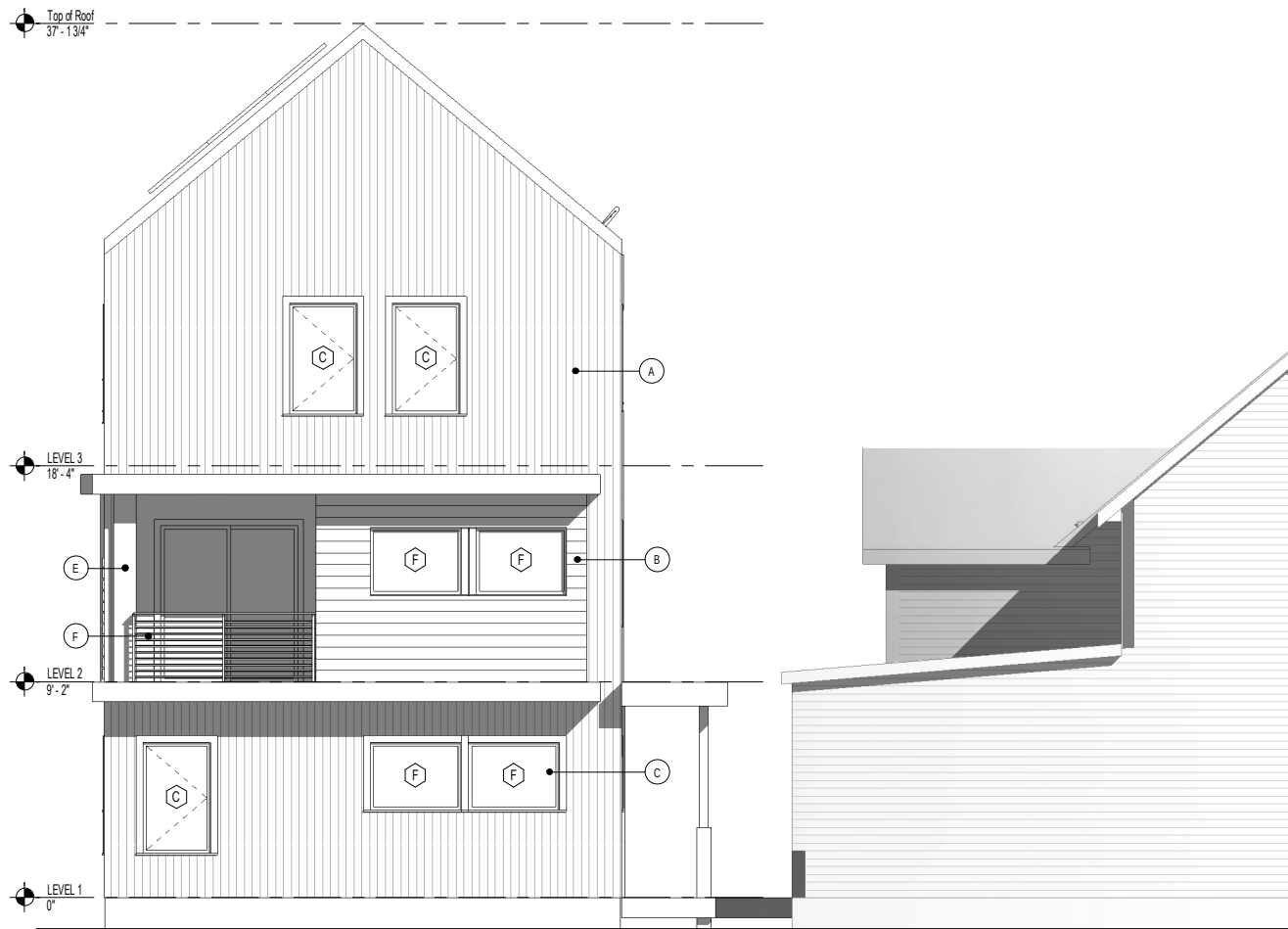
II. Conditions of Approval

1. **At least 7 days prior to the issuance of a certificate of occupancy**, the applicant shall pay to the City Treasurer's Office or the Permitting and Inspections Department impact fees as calculated by staff based on the net new square footage of the proposed development. The applicant shall submit a final calculation of gross square footage to make final an Impact Fee assessment. As submitted, estimated Impact fees are:

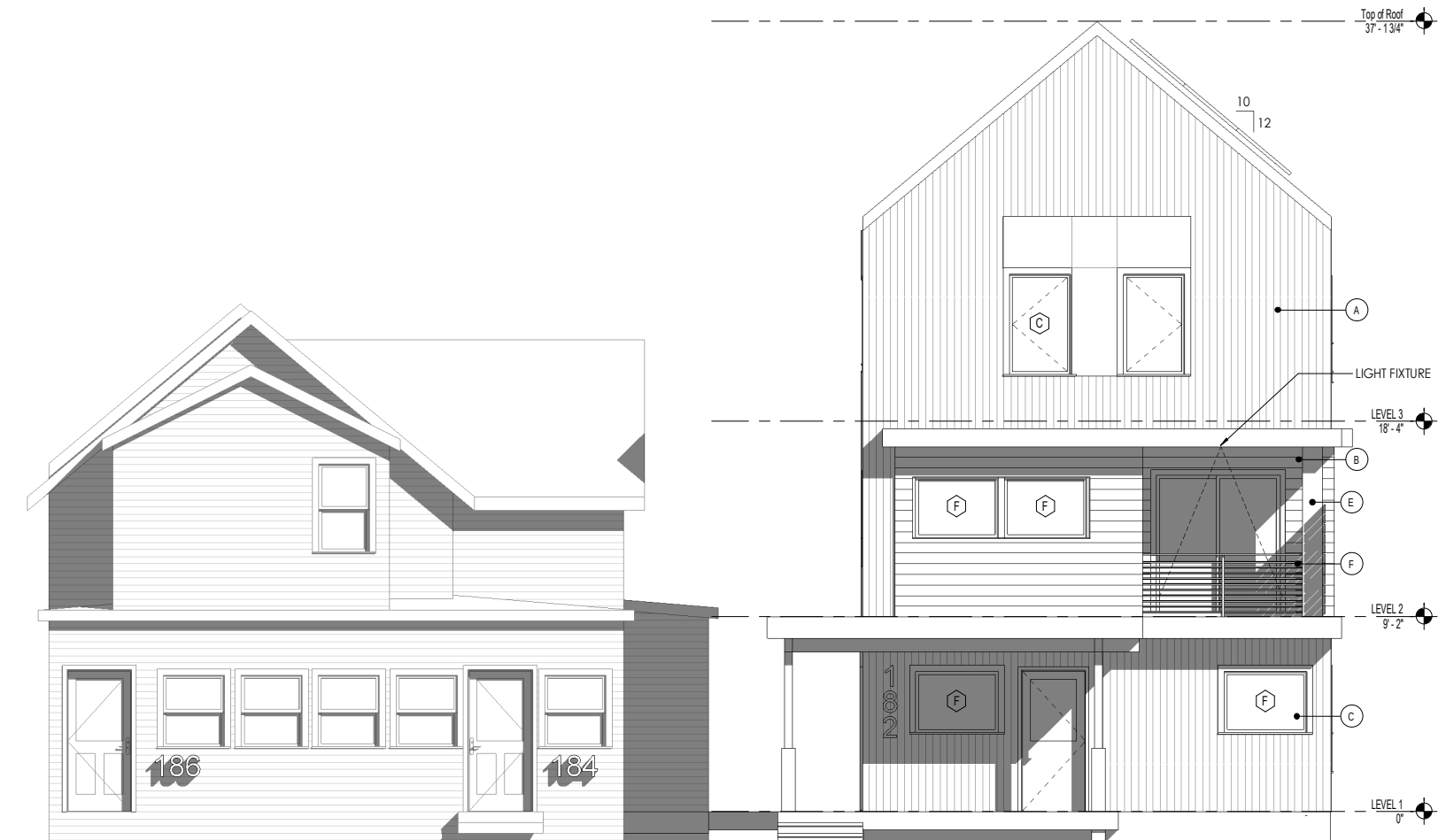
SF of Project 385

Department	<u>Residential</u>	
	Rate	Fee
Traffic	0.200	77.00
Fire	0.226	87.01
Police	0.045	17.33
Parks	0.759	292.22
Library	0.470	180.95
Schools	0.981	377.69
Total	2.681	\$ 1,032.20

2. **Prior to the release of the zoning permit**, the applicant shall secure a letter of confirmation from the Department of Public Works verifying that there is adequate water and sewer capacity for the additional dwelling units.
3. **Prior to the release of the zoning permit**, the plans shall be updated to show the following, subject to staff approval:
 - the location of all new light fixtures; and
 - the location of any new mechanical units, mailboxes, utilities, etc.
4. **Prior to the release of the zoning permit**, the associate Erosion Prevention and Sediment Control and Stormwater plans shall be reviewed and approved by the Stormwater Program Manager.
5. The zoning permit application for the replacement garage structure shall be completed within 1 year from the date of the existing garage's demolition. Failure to do so shall result in the loss of the ability to retain the nonconformity.
6. Construction of the proposed replacement structure shall commence within one year from the time of the existing garage's removal.
7. Standard construction hours are 7:00 AM to 5:30 PM, Monday – Friday. Saturday construction hours may be allowed upon request to the Development Review Board. No work on Sunday.
8. A state wastewater permit is required.
9. Residential occupancy limits apply. The occupancy of any dwelling unit is limited to members of a family as defined in Article 13. Not more than four unrelated adults may occupy any dwelling unit.
10. The applicant shall be encouraged to sell or reclaim a structure and all historic building materials, or permit others to salvage them and to provide an opportunity for others to purchase or reclaim the building of its materials for future use. An applicant may be required to advertise the availability of the structure and materials for sale or salvage in a local newspaper on at least three (3) occasions prior to demolition.
11. The applicant/property owner is responsible for obtaining all necessary Zoning Permits and Building Permits through the Department of Public Works as well as other permit(s) as may be required, and shall meet all energy efficiency codes of the city and state as required.
12. All new construction shall meet the Guidelines for Energy Efficient Construction pursuant to the requirements of Article VI. Energy Conservation, Section 8 of the City of Burlington Code of Ordinances.
13. Standard Permit Conditions 1-15.



2 EAST ELEVATION
A.20 SCALE: 1/4" = 1'-0"



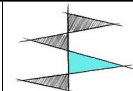
1 WEST ELEVATION
A.20 SCALE: 1/4" = 1'-0"

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184-186 NORTH WINOOSKI APT

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DRB REV.: 05/04/21

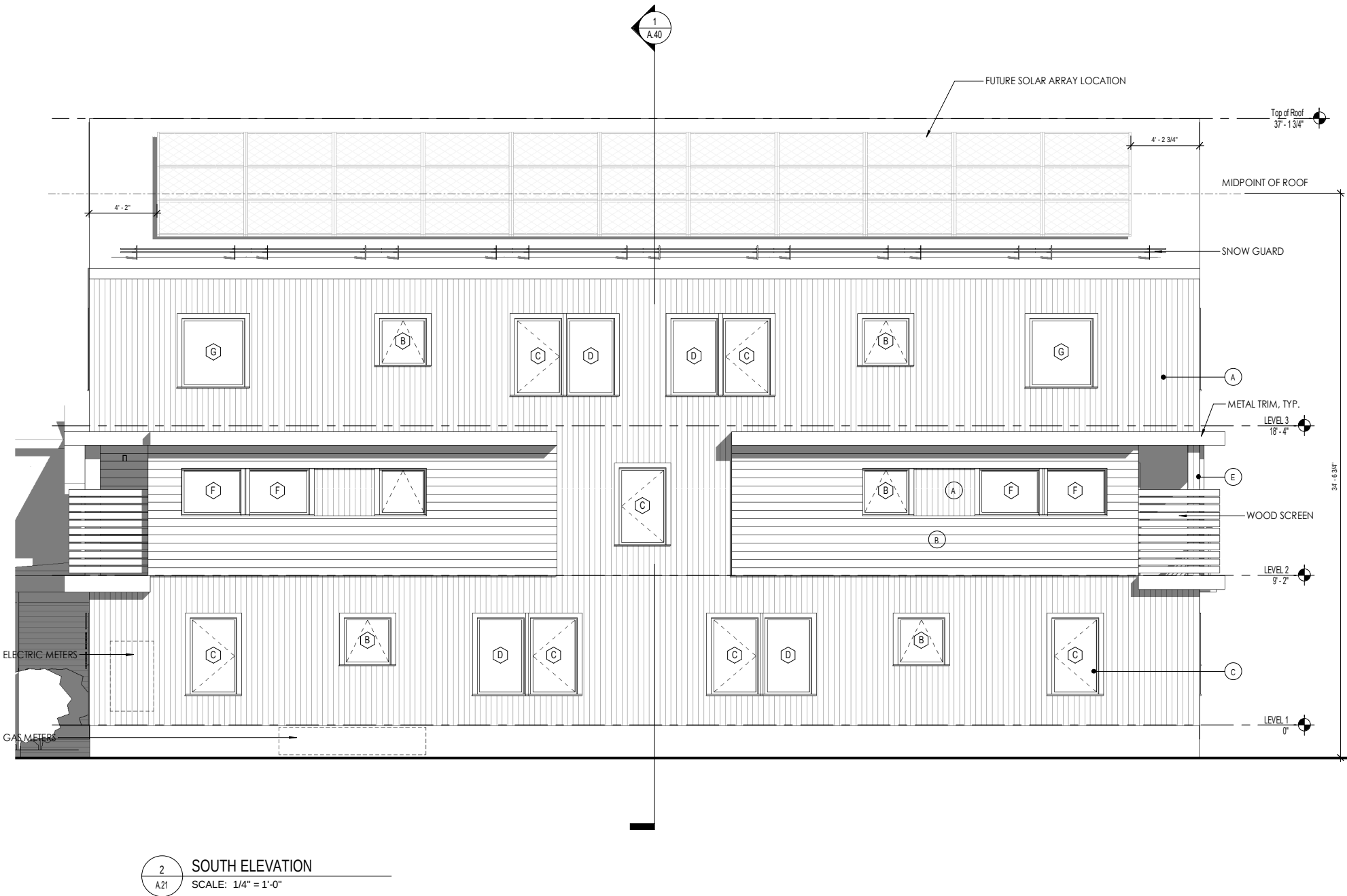
DATE: 2/12/21
SCALE: 1/4" = 1'-0"
DRAWN BY: MA
CHECKED BY: Designer
PHASE:

ELEVATIONS

SHEET NO:

A.20

EXTERIOR MATERIAL KEY	
Key Value	Keynote Text
A	METAL SIDING
B	LAP SIDING - PAINT
C	VINYL CLAD WINDOW
D	ENTRY DOOR - ALUMINUM CLAD
E	CEDAR POST WITH METAL BASE
F	METAL GUARDRAIL WITH METAL STANCHION
G	ASPHALT ROOF

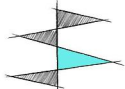


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184-186 NORTH WINOOSKI APT

BURLINGTON, VT

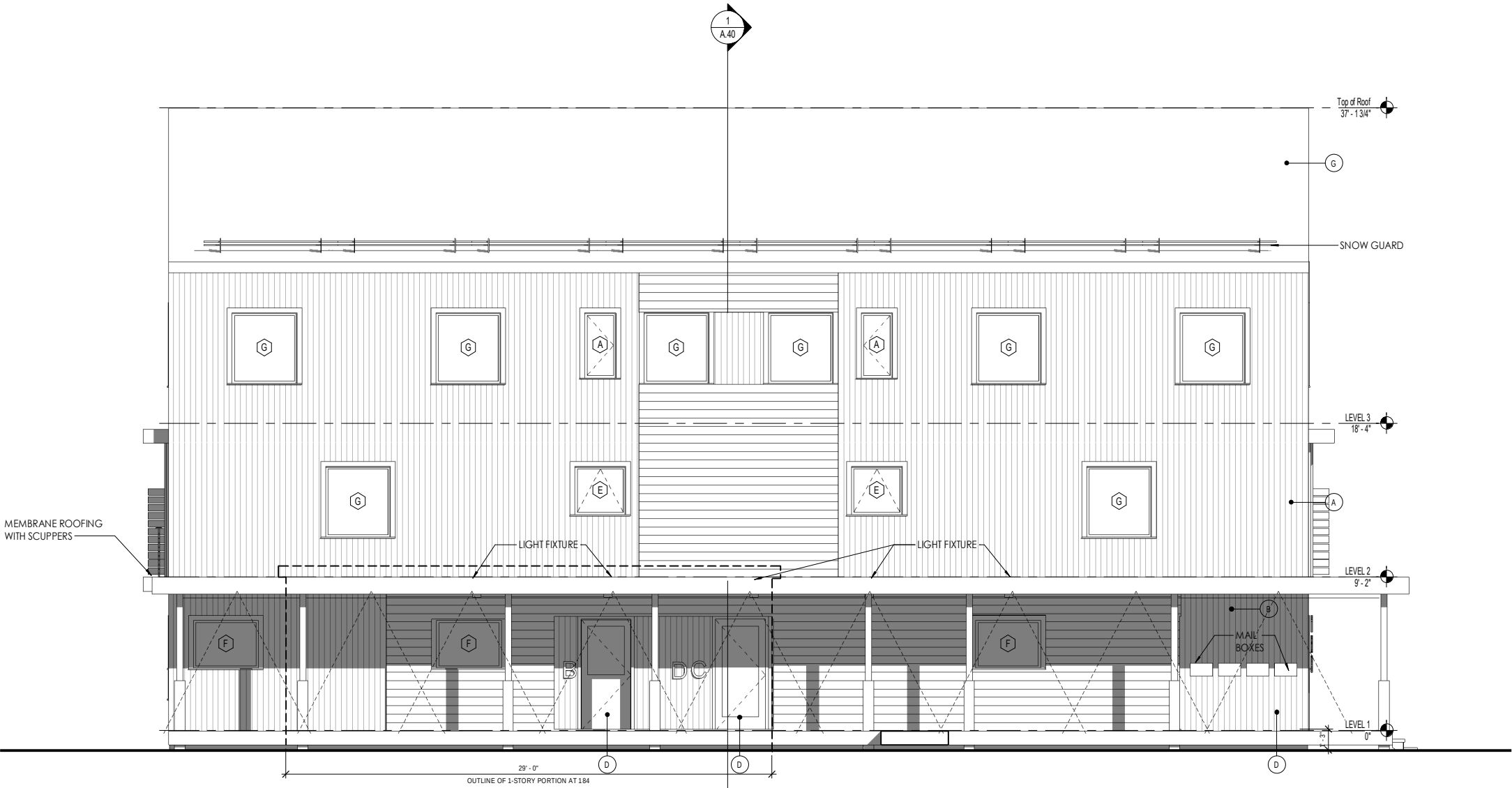


HINGE
architecture
431 Pine Street, Suite 314, Burlington, VT 05401
802.793.9840

FOR PERMIT ONLY
DAB REV.: 04/21/21
DRB REV.: 05/04/21
DATE: 02/12/21
SCALE: 1/4" = 1'-0"
DRAWN BY: MA
CHECKED BY: Designer
PHASE:

ELEVATIONS
SHEET NO:
A.21

EXTERIOR MATERIAL KEY	
Key Value	Keynote Text
A	METAL SIDING
B	LAP SIDING - PAINT
C	VINYL CLAD WINDOW
D	ENTRY DOOR - ALUMINUM CLAD
E	CEDAR POST WITH METAL BASE
F	METAL GUARDRAIL WITH METAL STANCHION
G	ASPHALT ROOF



1 NORTH ELEVATION
A.22 SCALE: 1/4" = 1'-0"

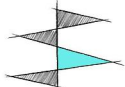
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184-186 NORTH WINOOSKI APT

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DATE: 01/13/21
SCALE: 1/4" = 1'-0"
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PHASE:

ELEVATIONS

SHEET NO:

A.22

Burlington Development Review Board

Department of Permitting & Inspections
645 Pine Street
Burlington, VT 05401
www.burlingtonvt.gov/DPI/DRB
Telephone: (802) 865-7188
Fax: (802) 863-0466

Brad Rabinowitz
AJ LaRosa
Springer Harris
Geoff Hand
Brooks McArthur
Kienan Christianson
Caitlin Halpert
Sean McKenzie, (Alternate)
Ravi Venkataraman, (Alternate)



BURLINGTON DEVELOPMENT REVIEW BOARD

Tuesday, May 4th, 2021, 5:00 PM

REMOTE MEETING

Zoom: <https://us02web.zoom.us/j/83847498134?pwd=eIVReUk0WklkVjgyaklaUUlvSmc4Zz09>

Webinar ID: 838 4749 8134

Password: 191951

Telephone: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or
+1 669 900 6833 or +1 253 215 8782

Video recording: <https://www.cctv.org/watch-tv/programs/burlington-development-review-board-356>

Minutes

I. Agenda

- II. B. Rabinowitz: Request for deferral for the 57 South Williams Street item. No other changes.

III. Communications

B. Rabinowitz: All communications for items are posted online with the meeting packet.

IV. Minutes

B. Rabinowitz: Previous meeting minutes are posted under the previous meeting's packet online.

V. Consent

1. 21-0824SN; 3090 North Ave (RL-W, Ward 7N) Winooski Valley Park District

Install information kiosk in flood hazard area. (Project Manager: Scott Gustin)

Nick Warner Appeared on behalf of application

B. Rabinowitz: Explains that item is recommended for approval. Asks if applicant has seen the staff report written for item.

N. Warner: Yes, and agrees with staff report.

B. Rabinowitz: Asks if any Board members or any person from the public have questions or comments.

None

B. Rabinowitz: Asks for motion.

S. Harris: Motion to approve application and adopt staff findings.

G. Hand: Seconds motion

7-0-0

VI. Public Hearing

1. 21-0837CA; 180 North Street (NMU, Ward 3C) 180 North, LLC

Demolish historic garage and rebuild on existing footprint. Add a dwelling unit above garage, and add another unit within the existing duplex for a total of 4 units on the property. Add driveway and landscaping. (Project Manager: Ryan Morrison)

Sam Gardner appeared on behalf of application

B. Rabinowitz: Asks if there is anyone from public to speak on item.

None

B. Rabinowitz: Explains that staff have reviewed the project and has recommended the item for approval.

S. Gardner: Originally, they looked at saving the garage, but determined that it needs to be demolished to rebuild properly.

B. Rabinowitz: Comments on project. One-story addition onto the building.

S. Gardner: Correct with a deck/catwalk above it.

B. Rabinowitz: Asks if that is shown in the plans submitted.

S. Gardner: Correct.

B. Rabinowitz: Has somewhat of an issue with the drawings. Feel like the drawings are incomplete. Asks project manager, Ryan Morrison, to clarify if required materials should include elevations of the entire building.

R. Morrison: Explains that those plans were overlooked for review and are lacking.

B. Rabinowitz: The photos submitted were good, but it is hard to read the building from the aerial photographs. Asks if applicant ever had drawings done of the building.

S. Gardner: Elevations do show part of the side of the building and the heights. Asks to clarify what is needed. Can change or complete anything that is needed.

C. Halpert: Asks what is going into the first floor addition. Asks if the first floor is being broken into two units and if it is currently one.

S. Gardner: Correct putting an addition off the back that is supposed to be a bedroom.

B. Rabinowitz: Asks if the bedroom is accessible off the kitchen.

S. Gardner: Yes.

B. Rabinowitz: Asks where the trash will be located on the site plan.

S. Gardner: The trash would be next to the east side of the addition. Will be hidden because it is behind porch and solid building.

B. Rabinowitz: Asks if there are any other questions. Recommending that it is acceptable to demolish the barn/garage structure.

No other questions

B. Rabinowitz: Closes item

2. 21-0785CA/CU; 57 South Williams Street (RH, Ward 1E) VT Organization for Jewish Education, Lubavitch

Change of use from dormitory rooms and one apartment to an elementary school use. Request a parking waiver. (Project Manager: Ryan Morrison)

B. Rabinowitz: Explains that applicant requested deferral. Asks if there is anyone from the public to speak on item.

None

K. Christianson: Motion to defer application until June 15th

B. McArthur: Seconds motions

7-0-0

VII. Certificate of Appropriateness

1. **21-0872CA; 6-8 College Street (DW-PT, Ward 3C) Burlington Parks, Recreation, and Waterfront**

Re-align and reconstruct greenway between King and College Streets. (Project Manager: Scott Gustin)

21-0874CA; 0 Flynn Ave (RCO-RG, Ward 3C) Burlington Parks, Recreation, and Waterfront

Reconstruct greenway through Oakledge Park. (Project Manager: Scott Gustin)

Both 21-0872CA and 21-0875CA reviewed together

Geoff Hand recused from item

John Adams-Kollitz and Sophie Sauvé appeared on behalf of application

B. Rabinowitz: Asks if there is any public present to comment on item

S. Sauvé: Introduces project. Explains project and walks through plans. Explains that realignment follows rail right of way. Bike path will be relocate the western side of the rail. Realigned bike path will avoid two rail crossings in this area. Explains that between King Street and Maple Street, the bikepath is relocated to the west side, and there is an easement from Lake Champlain Transportation because of the location. They are losing some parking, so plan is to transform some of Perkins Pier over to reallocate parking for them.

J. Adams-Kollitz: Walks through Oakledge portion of project. Shows entry gateway and where bike path is relocated moving south. Explains details like ADA compliance and landscaping details on path. Explains that there are exercise pads along bike path, similar to what are there now in the downtown area.

S. Gustin: Explains to Board that this item was reviewed by the Conservation Board yesterday and they recommended approval as is. Sophie also sent lot coverage information. Was acceptable.

B. Rabinowitz: Explains that he has used the bike path many times throughout the last 20 years that he has been in Burlington. Enjoys the improvements that have been made so far. Has question about College St intersection. Has questions about what is going on at the street level. Has concerns that there is a juncture of traffic of multiple modes of transportation that you are not sure where to go. Asks if there is going to be directional signage to eliminate confusion.

S. Sauvé: When you are coming from the south there will be signs explaining that there is a change in material. There is our usually Burlington greenway signage. The existing trees will not be changed and are used visually to guide public.

B. Rabinowitz: Expresses that he does not believe that will not be enough directional signage through that section of bike path and would like to see more clarity. Asks if there are indicating brick patterns or different materials used to show the direction of bike path.

S. Sauvé: Explains that whole plaza extension has the material of Echo, and is so that people can make the decision of what direction they want to go. People should not be speeding through but to slow down.

J. Adams-Kollitz: Explains that they did consider eliminating the demarking the path across the intersection but in the end we decided that it should be more of a unified plaza-like space. That is why we chose the continuity of the materials.

B. Rabinowitz: Suggests that they should go see the path during a busy Saturday during a nice day and see the traffic that happens at that intersection.

J. Adams-Kollitz: Trying to embrace the idea that that happens. Think we know that people that know the path. Explains that he was there earlier and saw someone speed through section. Was designed that this is more of a central gathering space. We need people to pause there because there are so many people. Thinks that the connection and the safety factor there is much stronger than where it is now.

B. Rabinowitz: that intersection has always been a concern for me. Suggests the thought that Board should be viewing this intersection as a gathering place, the bikepath needs to be secondary to the plaza gathering place in that area.

J. Adams-Kollitz: Correct.

B. Rabinowitz: Asks about plantings along the bike path.

J. Adams-Kollitz: Explains and shows on plans where trees and greenery are planned.

A. LaRosa: Has questions about the southern end. Explains that like Brad, he is on the path frequently. Has questions about direction and design of path. Asks if access to Blanchard Beach will remain during the period of construction.

J. Adams-Kollitz: Easy answer is easy, but not from the obvious current points.

A. LaRosa: Explains that he has a problem with that because he watched people when it was closed for two years climb over every fencing that was put up. After a year of it being closed, everyone got tired of it being closed. It is an important public resource. Yes, access to Blanchard Beach should be maintained during this project. Other question is why is this being redone when it has just been redone. North of intersection is fresh and new.

J. Adams-Kollitz: We are meeting up at the point we left off from last year. That section of path was closed for three months during the last year. Asks if the Board has purview over the construction sequencing.

A. LaRosa: I think it would be under our purview for traffic and safety.

J. Adams-Kollitz: We were sequencing the project to start in the south and hopefully the end of the beach season will be over by the time we get to this section.

S. Sauvé: Explains that when we completed this section last year we were not certain of funding to come back and complete this stretch. We did the overlay in this section in case it was several years before we could come back and finish the project. It is not the full width meeting the dimensional size standards because it was just an overlay pave.

B. Rabinowitz: Asks about the access to the beach for the construction.

S. Sauvé: The beach will be accessible throughout. We are recommending the contractor to not open the whole stretch to construction, but to do it in phases to make sure the beach remains open during most of the summer. During the time that the section would be worked on, the Lakeside neighborhood access will still be open for the beach. The Flynn venue access would be closed for safety purposes.

B. Rabinowitz: Asks how much of the bike path will be under construction at the same time.

J. Adams-Kollitz: Likely 1/3 at a time.

C. Halpert: Asks about traffic flow. Asks if the middle section will be during summer and asks if the pedestrian traffic will have to go between the two parking lots. Crossing in front of the pavilion and the pathway there. Will the cove access be available.

S. Sauvé: That is when we are hoping it is in different sections so you could still access the cove during that time.

B. Rabinowitz: Does seem that it is not unusual during public access during construction. Public amenities are going to want to be used and we are asking for some commitment to make sure the public has a safe way to get to be place they want to use.

A. LaRosa: Explains that the project looks great and it will be great when it is finished, but we need to focus on public safety and access to public amenities during our short and highly enjoyed summer season.

B. Rabinowitz: asks when the anticipated start date is.

S. Sauvé: Explains that the project is up for bid right now. Not until about June.

B. Rabinowitz: Asks for duration.

S. Sauvé: Approximately 20 weeks. End date is around Thanksgiving.

S. Gustin: Has a question about parking. Wants to confirm that there is no net change in parking numbers or if there is.

S. Sauvé: Lake Champlain Transportation loses five spaces and they will gain eight from Perkins Pier. And then we will lose approximately seven spaces at Perkins Pier.

C. Halpert: Asks about landscaping between rail and bikepath.

S. Sauvé: Unfortunately it is rail property and they do not want any plantings there. We would have preferred to have plantings everywhere but they would not add any.

B. Rabinowitz: Asks if there are any other questions from the Board or anything else to add.

None

B. Rabinowitz: Closes public hearing

2. 21-0677CA; 184-186 North Winooski Ave (NMU, Ward 2C) North Winooski Avenue 184 LLC

Remove garage and construct a four unit building; add parking, dumpster enclosure and bike shelter. (Project Manager: Ryan Morrison)

Missa Aloisi and Brett Brosseau appeared on behalf of item

B. Rabinowitz: Asks if there is anyone/public who want to speak on behalf of the item

None

B. Rabinowitz: Invites applicant to talk.

M. Aloisi: Walks through plans and explains project. Shows existing apartment building. In the yard, we will do an infill project for a four unit building that is three stories high. Similar to the neighboring property to the south. There is an addition to the back of that apartment building that is equal in height and sale nearby with modern materials as well. Walks through elevations. DAB has requested snow guards, which have been added. Also recommended future solar panels. Walks current and proposed site plan. Shows where property lines are on site plan. For stormwater, we are going to get survey points to finish the stormwater component of the applicant.

S. Harris: Asks about location and accessibility of trash and recycling containers. Asks about access to those by the trash haulers.

M. Aloisi: Truck can back in if desired; door to enclosure opens in the correct direction for access.

S. Harris: Asks about parking arrangement and access. Asks if you have to back in or pull in.

M. Aloisi: You have the option for either.

A. LaRosa: Asks if the spaces will be marked.

B. Brosseau: Yes, will have markers on the ground to indicate where the parking spaces are. And we will be indicating which units have which spaces.

B. Rabinowitz: Asks if the four trees on the site plan are new plantings.

M. Aloisi: Yes, those are new plantings. Can supply a landscaping plan.

G. Hand: Mentions that the DAB recommended removing a sign. Asks about that status.

M. Aloisi: The sign has been removed from the plans.

G. Hand: Confused between the two buildings. Some plans look like there is a covered porch and a walkway, but some look like it only has the porch.

M. Aloisi: Explains that it is all covered, but where it is not covered is the connection of the building to the north.

C. Halpert: Asks about the access is to parking lot

M. Aloisi: Explains that there will be steps leading to the walkway that is next to the parking.

G. Hand: Ask about ADA access.

M. Aloisi: Unit 1 is handicap accessible. There can be an ADA ramp leading up to the walkway.

B. Rabinowitz: Asks if there are other questions for the Board or public.

None

A. LaRosa: closes public hearing

VIII. Adjournment

Meeting adjourned at 6:05pm

Plans may be viewed upon request by contacting the Department of Permitting & Inspections between the hours of 8:00 a.m. and 4:30 p.m. Participation in the DRB proceeding is a prerequisite to the right to take any subsequent appeal. Please note that ANYTHING submitted to the Zoning office is considered public and cannot be kept confidential. This may not be the final order in which items will be heard. Please view final Agenda, at www.burlingtonvt.gov/dpi/drb/agendas or the office notice board, one week before the hearing for the order in which items will be heard.

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