

November 27, 2023

Sarah McShane
Planning & Zoning Director
Town of Stowe - Akeley Memorial Building
67 Main Street
PO Box 730
Stowe, VT 05672

Re: Stowe Parking Lot Improvements – Parking Lot A1, A2, A3 Expansion Site Plan Revisions

Dear Sarah,

On behalf of VR US Holdings II, LLC, please find enclosed a revised set of the Stowe Mountain Parking Lot Improvements – A Lots Plans. As a follow-up to the 11/7/2023 DRB hearing, the plans have been revised to address feedback received both from Staff and the Board. These revisions include:

 Updated PUD Boundary – Per your correspondence with Matt Lillis on 11/8/2023, it is our understanding that the SKI-PUD boundary follows the existing VR US Holdings II, LLC / State of Vermont Dept of Forests, Parks, and Recreation property line. As such, a portion of the proposed parking expansion falls outside of the SKI-PUD Boundary and within the Forest Reserve (FR) Zoning District.

In reviewing the zoning regulations, commercial ski infrastructure is a conditional use within the FR Zoning District. A portion of the existing parking lot is currently located with the FR Zoning District and the proposed expansion will not have an undue adverse effect on the character of this district as the parking expansion is continuous to the existing parking lot, has been designed to avoid wildlife habitat, natural and scenic resources, and will help provide infrastructure to support outdoor recreation at the ski resort. The SKI-PUD boundary has been labeled on Sheet C2.00.

2) Updated Drive Aisle and Parking Lot Striping – The attached plans have been revised to provide a minimum two-way drive aisle width of 24' per Table 15.1 of the Zoning Regulations. Please see Sheet C2.00 for updated parking stall and drive aisle dimensions / layout.

40 IDX Drive, Building 100

Suite 200

gners South Burlington, Vermont 05403

P 802.497.6100

F 802.495.5130

Stowe Mountain Parking Lot Improvements – A Lots Ref: 58971.00 November 27, 2023 Page 2



3) Landscape Plan and Details – The attached plans have been updated to include a Landscape Plan and Planting Detail Specifications. Per Section 15.4 of the Town of Stowe Zoning Regulations:

Large parking lots of (20 or more spaces) shall be broken down into sections as appropriate for the type and size of the development. Landscaped Island or peninsulas should be incorporated in the parking lot design.

As depicted on Sheet LA1.00 of the revised plan set, (13) Sienna Glen Maple Trees are now proposed in and around the proposed parking expansion. The proposed trees have been sited along the main drive aisle leading to Lots A1, A2 and A3 to provide partial perimeter screening from the surrounding area, sited adjacent to the Gondola and Mansfield Base Lodge entrances and within landscape peninsulas in all three parking lots. In addition, one (1) proposed Sienna Glen Maple is proposed adjacent to each entrance / exit of the covered pedestrian walkways to complement and help define these features.

Given this parking area will be heavily utilized during the winter months, surrounded by steep topography and snow storage areas between lots, and routinely subject to snow removal, the proposal is appropriate for the type and size of the existing / proposed use.

- 4) Revised Parking Affidavit and Parking Counts Enclosed please find the revised parking affidavit.
 - In addition to the parking affidavit, the revised plan set depicts updated parking counts for the Control Lot, A1, A2, A3 on Sheet C2.00. The parking counts have been updated to reflect the revised parking lot striping and inclusion of landscape peninsulas. The existing lots have a total of 337 parking spaces. The proposal will add 77 spaces, increasing the total number of parking spaces to 414. Please see Sheet C2.00 for additional information.
- 5) Revised Covered Stairway / Boardwalk Plans The covered stairways and boardwalks have been revised to include recessed, ceiling mounted lighting as depicted on Sheet A-100 and A-500. In addition, exterior gooseneck lighting is proposed at each entrance / exit. Please refer to attached Parking Lot Stair Plan and light fixture cut sheets for additional information.

Stowe Mountain Parking Lot Improvements – A Lots

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Included in this submission, please find the following:

- 1) Digital copy of revised Site Plan
- 2) Updated Parking Affidavit
- 3) Updated Parking Lot Stairs Plan
- 4) Light Fixture Cut Sheets

Please feel free to contact me with any questions regarding the proposal.

Sincerely,

Daniel Heil, PE

Site / Civil Project Manager

Cc: VR US Holdings II, LLC

Stowe Mountain Resort Parking Affidavit

December 2023

	Current State 12/2023	Gondola Base/"A" Lots Parking Improvements Proposed 12/2023
Base Area & Spruce Parking	1977	2054
Satellite Parking	661	661
Total	2638	2715
Comfortable Carrying Capacity (CCC) On-Site Lodging Guests Mountain Road Shuttle Guests Guests Arriving in Personal Vehicles Average Vehicle Occupancy, AVO Guest Parking Requirement		8960 1000 700 7260 2.7 2689
Employee Parking Requirement		350
CCC Parking Requirement	:	3039
Surplus Parking Requirement *		258
Total Parking Requirement	:	3297

^{*} Surplus Parking spaces account for employee and guest parking on peak visitation

Current State and Proposed Plan Notes:

AVO (2.7) based on observations during the 2022/23 season and accounts for guest carpools

Mountain Road Shuttle data based on peak day ridership 2023

Employee Parking Requirement based on employee parking data 2022-2023

General Notes:

On-Site Lodging Guests based on Spruce lodging capacity, peak occupancy %, and ski/ride %

DES®RIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, the EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #	Туре
Project	A
Comments	Date
Prepared by D&K	

SPECIFICATION FEATURES

Construction

TOP: Cast aluminum top housing attaches to cast aluminum mounting arm hub with four stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. (See the mounting accessories section for a full selection of mounting arms. (Only these arms are compatible with the Epic luminaire). MIDSECTION: Continuous silicone gaskets seal lens to top casting and shade. The mid section features cast aluminum construction and stainless steel assembly. SHADES: Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. DOORFRAME: Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics

DIMENSIONS

ECM Classical

Choice of twelve patented, highefficiency AccuLED Optic™
technology manufactured from
injection-molded acrylic. Optics are
precisely designed to shape the
optics, maximizing efficiency and
application spacing. AccuLED Optic
technology, creates consistent
distributions with the scalability
to meet customized application

requirements. Offered Standard in 4000K (+/- 275K) CCT and nominal 70 CRI. Optional 3000K CCT and 5000K CC. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less that 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common and differential - mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Finish

Maximum

Height

[508mm]

See configurations for more detailed information.

EMM Modem

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against

Maximum Width

fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection. Options to meet Buy American Act requirements

Warranty

Maximum

Height

[533mm]

Five-year warranty.



Invue



ECM/EMMEPIC MEDIUM LED

1 - 4 LightBARs Solid State LED

DECORATIVE AREA LUMINAIRE







CERTIFICATION DATA

UL/cUL Listed
DesignLights Consortium® Qualified*
IP66 LIghtBARs
LM79 / LM80 Compliant
2G Vibration Tested
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

PA

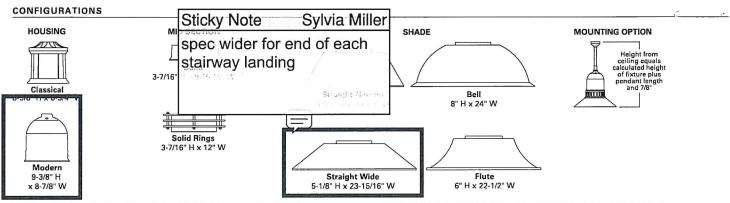
Effective Projected Area: (Sq. Ft.) 0.94

SHIPPING DATA Approximate Net Weight: 45 lbs. [20 kgs.]



Maximum Width

TD500028EN December 8 2021 2:28 PM



POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

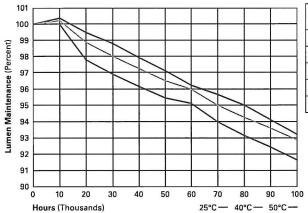
Number of	LightBARs	E01	E02	E03	E04	
Drive Curre	ent	350mA Drive Current				
Power (Wa	tts)	25W	52W	75W	97W	
Current @	120V (A)	0.22	0.44	0.63	0.82	
Current @	277V (A)	0.10	0.20	0.28	0.36	
Power (Wa	tts)	31W	58W	82W	99W	
Current @	347V (A)	0.11	0.19	0.28	0.29	
Current @	480V (A)	0.09	0.15	0.20	0.21	
To	Lumens	2,948	5,896	8,844	11,792	
T2	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	
Т3	Lumens	2,936	5,873	8,809	11,745	
13	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	
T4	Lumens	2,876	5,752	8,627	11,503	
T4	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	
	Lumens	3,054	6,108	9,161	12,215	
5MQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	
	Lumens	2,987	5,975	8,962	11,949	
5WQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	
5XQ	Lumens	2,982	5,963	8,945	11,926	
5XQ	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3	
SL2	Lumens	2,878	5,756	8,634	11,512	
3L2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
SL3	Lumens	2,894	5,788	8,682	11,576	
OLJ	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
SL4	Lumens	2,823	5,647	8,470	11,294	
SL4	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
RW	Lumens	2,957	5,915	8,872	11,829	
nwV	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	
SLL/SLR	Lumens	2,616	5,231	7,847	10,462	
SLL/SLR	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	

Number of	LightBARs	F01	F02	F03	F04	
Drive Current		1A Drive Current				
Power (Wa	tts)	26W	55W	78W	102W	
Current @	120V (A)	0.22	0.46	0.66	0.86	
Current @	277V (A)	0.10	0.21	0.29	0.37	
Power (Wa	tts)	32W	60W	85W	105W	
Current @	347V (A)	0.11	0.19	0.28	0.30	
Current @	480V (A)	0.09	0.15	0.21	0.22	
To	Lumens	2,434	4,867	7,301	9,735	
T2	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	
та	Lumens	2,424	4,848	7,272	9,696	
Т3	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	
T.	Lumens	2,374	4,748	7,122	9,496	
T4	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	
F140	Lumens	2,521	5,042	7,563	10,084	
5MQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	
222021	Lumens	2,466	4,932	7,398	9,864	
5WQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	
	Lumens	2,461	4,923	7,384	9,845	
5XQ	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G3	
01.0	Lumens	2,376	4,752	7,127	9,503	
SL2	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	
51.0	Lumens	2,389	4,778	7,167	9,556	
SL3	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	
CLA	Lumens	2,331	4,662	6,993	9,323	
SL4	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	
DIM	Lumens	2,441	4,883	7,324	9,765	
RW	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	
CII /CI C	Lumens	2,159	4,318	6,478	8,637	
SLL/SLR	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25 C	> 99%	> 97%	> 96%	> 93%	> 450,000
40 C	> 98%	> 97%	> 96%	> 92%	> 425,000
50 C	> 97%	> 96%	> 95%	> 91%	> 400,000

[•] Per IESNA TM-21 data.



Ambient Temperature	Lumen Multiplier
10 C	1.02
15 C	1.01
25 C	1.00
40 C	0.99
50 C	0.96

LUMEN MULTIPLIER



page 3 ECM/EMM EPIC MEDIUM LED

CONTROL, OPTIONS

0-10V (DIM)

The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PC, PER and PER7)

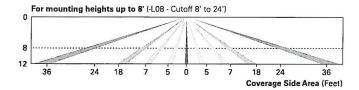
Optional button-type photocontrol (PC) and photocontrol receptacles (PER and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

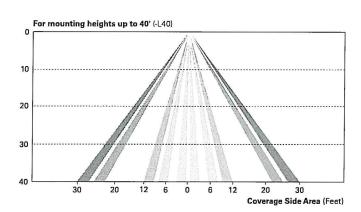
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

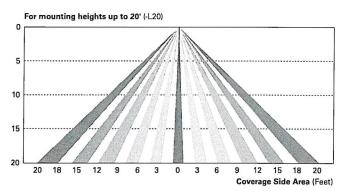
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

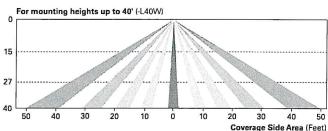
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.





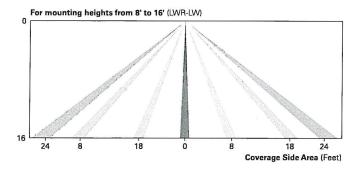


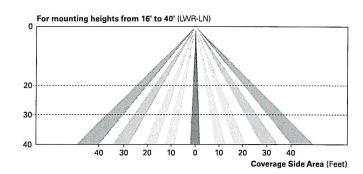


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.







ORDERING INFORMATION

Sample Number: ECM-E04-LED-E1-T2-FL-GM

Product Family 1	Number of LightBARs 2.3	Lamp Type	Voltage	Distribution	Mid Section Type	Shade Type	Color 5
ECM=Epic Classical Medium EMM=Epic Modern Medium BAA-ECM=Epic Classical Medium Buy American Act Compliant ¹⁹ BAA-EMM=Epic Modern Medium Buy American Act Compliant ¹⁹	E01=(1) 21 LED LightBAR E02=(2) 21 LED LightBARs E03=(3) 21 LED LightBARs E04=(4) 21 LED LightBARs F01=(1) 7 LED LightBARs F02=(2) 7 LED LightBARs F03=(3) 7 LED LightBARs F04=(4) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V 480=480V 4	T2=Type II T3=Type III T4=Type IV SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control 5MQ=Type V Square Medium 5WQ=Type V Square Extra Wide 5XQ=Type V Square Extra Wide RW=Rectangular Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	SO=Solid SR=Solid Rings	SN=Straight Narrow SW=Straight Wide BL=Bell FL=Flute	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix	x)	Accessories (Ore	der Separately) 20				
2L=Two Circuits 6 7030=70 CRI / 3000K C 7050=70 CRI / 5000K C 8030=80 CRI / 3000K C LCF=LightBAR Cover I Finish MS-LXX=Motion Sens MS/X-LXX=Motion Sens witching PMXX=Pendant Moun	CCT 7 CCT 7 CCT 7 Plate Matches Housing sor for ON/OFF Operation 8 ensor for Bi-Level 18 18 (XX=Pendant Length in in -48.0° max) 10 18 House Side Shield 11	OA/RA1016=NE OA/RA1027=NE OA/RA1021=NE OA/RA1013=Pho LB/HSS-21=Fiele "E" LB/HSS-07=Fiele "F" Mounting Acces Classical VA6150-XX=Bisl VA6151-XX=Bisl VA6152-XX=Tra VA6153-XX=Tra VA6153-XX=Bisl VA6155-XX=Bisl VA6155-XX=Bisl VA6155-XX=Bisl VA6155-XX=Bisl VA6155-XX=Bisl VA6155-XX=Bisl VA6155-XX=Tra VA6165-XX=Tra VA6160-XX=Tra VA6161-XX=Tra VA6163-XX=Tra VA6163-XX=Tra VA6168-XX=Tra VA6168-XX=Tra VA6168-XX=Tra VA6168-XX=Tra VA6101-XX=Bisl VA6101-XX=Tra VA6111-XX=Tra	MA Twistlock Pho MA Twistlock Pho MA Twistlock Pho MA Twistlock Pho tocontrol Shortin d Installed House 5 LightBARS 11, 15 d Installed House 5 LightBARS 11, 15 d Installed House 5 LightBARS 11, 15 sories (Order Sepantop Wall Mount A ditional Single Pole M hop Single Pole M hop Twin Pole Mo ditional Single Pol ditional Twin Pole ditional Wall Mount A hop Wall Mount A hop Wall Mount A hop Wall Mount A ditional Wall Mou ditional Single Pol ditional Twin Pole	tocontrol - 347V g Cap Side Shield for sarately) Immunity of the strain o	14	nial ¹⁷ lial ¹⁷ Il Finial ¹⁷	tacle ¹⁸

NOTES:

- NOTES:

 1. Arm not included. Order separately. See accessories.
 2. Standard 4000K CCT and greater than 70 RI.
 3. 21 LED LightBAR powered by 350mA and 7 LED LightBAR powered by 1A.
 4. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
 5. Custom and RAL color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information.
 6. Low-level output varies by bar count. Consult factory. Requires quantity of two or more LightBARs.
 7. Consult customer service for lead times and multiplier.
 8. Sensor mounted to the luminaire. Available in E01-E04 and F01-F04 configurations. Replace "XX" with mounting height in feet for proper lens selection, (e.g., MS/3-L25). Consult factory for additional information.
 9. Sensor mounted to the luminaire. Available in E02-E04 and F02-F04 configurations. Replace "X" with number of LightBARs operating in low output mode and replace XX with mounting height in feet for proper lens selection, (e.g., MS/3-L25). Maximum four bars in low output mode. Consult factory for additional information.
 10. Pendant mount option "PMX" must be used with Invue Pendant mount kit lonly. Includes pendant pipe, swivel hangar and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is 9-1/2". For lengths above 48", consult your lighting representative at Cooper Lighting Solutions for more information.
 11. Only for use with SL2, SL3 and SL4 distributions.
- 12. Dimming leads provide for external 0-10V control system (by others).
 13. Replace XX with color suffix.
 14. Only available with traditional arms.

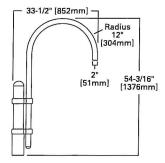
- 15. One required for each LightBAR.
- 16. Add as suffix to mounting accessory. Example: VA6106-BK-R.
 17. Not available with finials, pendant mount "PM48" or bishop wall mounts.
 18. Requires use of 4" O.D. round straight pole.
- 19. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components
- shipped separately may be separately analyzed under domestic preference requirements.

 20. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.



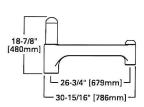
MOUNTING ACCESSORIES

Pole mount arms are designed to fit both medium ECM/EMM housings. (Only these arms are compatible with the Epic luminaire). Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four stainless steel fasteners. Wall mount arms compliment pole mount luminaires and attractively transition fixture scale in lower mounting height pedestrian environments. Wall mount arms are designed to fit both medium ECM/EMM housings. Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four stainless steel fasteners.



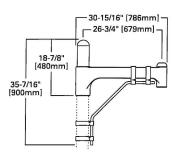
BISHOP SINGLE POLE MOUNT ARM

VA6105 (Modern), VA6154 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 0.92

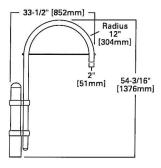


TRADITIONAL SINGLE POLE **MOUNT ARM**

VA6109 (Modern), VA6158 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 20 lbs. E.P.A: 0.86

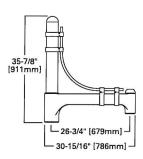


TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° LOWER BAR VA6113 (Modern), VA6162 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 1.17



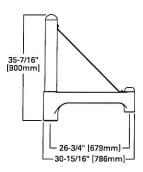
BISHOP SINGLE POLE MOUNT ARM WITH CROSS ROD

VA6106 (Modern), VA6155 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 25 lbs. E.P.A: 0.98

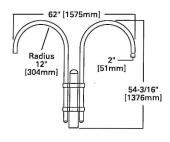


TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED

VA6110 (Modern), VA6159 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 28 lbs. E.P.A: 1.4

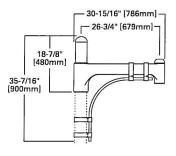


TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° UPPER STRAP VA6114 (Modern), VA6163 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 1.17



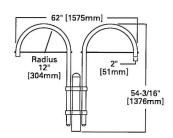
BISHOPTWIN POLE MOUNT ARM VA6107 (Modern), VA6156 (Classical)

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 37 lbs. E.P.A: 1.43



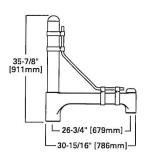
TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED

VA6111 (Modern), VA6160 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 25 lbs. E.P.A: 1.16



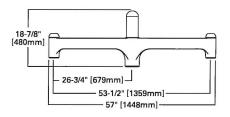
BISHOPTWIN POLE MOUNT ARM WITH CROSS RODS

VA6108 (Modern), VA6157 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 39 lbs. E.P.A: 1.55



TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° UPPER BAR VA6112 (Modern), VA6161 (Classical)

Slipfits over 4" round straight pole, or 4" O.D. by 6" round tenon. Weight: 28 lbs. E.P.A: 1.38

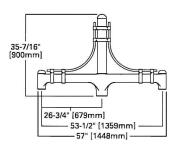


TRADITIONAL TWIN POLE MOUNT ARM

VA6116 (Modern), VA6165 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 30 lbs. E.P.A: 1.44

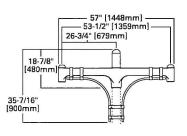


MOUNTING ACCESSORIES



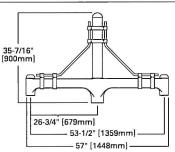
TRADITIONAL TWIN POLE MOUNT ARM WITH ROUNDED UPPER BARS

VA6117 (Modern), VA6166 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 43 lbs. E.P.A: 2.28



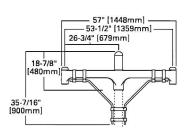
TRADITIONALTWIN POLE MOUNT ARM WITH ROUNDED LOWER BARS

VA6118 (Modern), VA6167 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 40 lbs. E.P.A; 2.04



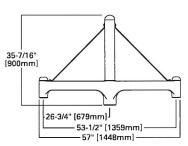
TRADITIONAL TWIN POLE MOUNT ARM WITH 45° UPPER BARS

VA6119 (Modern), VA6168 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 43 lbs. E.P.A: 2.24



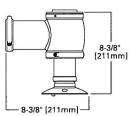
TRADITIONAL TWIN POLE

MOUNT ARM WITH 45° LOWER BARS VA6120 (Modern), VA6169 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 40 lbs. E.P.A: 2.0



TRADITIONALTWIN POLE MOUNT ARM WITH 45° UPPER STRAPS VA6121 (Modern), VA6170 (Classical)

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 37 lbs. E.P.A: 1.81

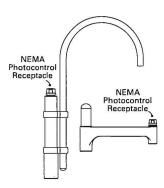


MAST ARM ADAPTER

10-1/2"

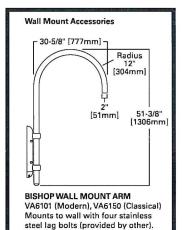
[267mm]

VA6122 (Modern), VA6171 (Classical) Secures fixture to nominal 2" pipe (2-3/8" horizontal O.D.) Weight: 4 lbs.



NEMATWISTLOCK PHOTOCONTROL (R)

Order separately (Not compatible with finials or wall mount bishop arms)

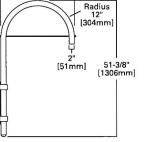


Weight: 16 lbs.

BISHOP WALL MOUNT ARM WITH CROSS ROD

30-5/8" [777mm] -

VA6102 (Modern), VA6151 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 17 lbs.



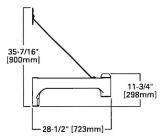
TRADITIONAL WALL MOUNT ARM

__ 28-1/2" [723mm]

11-3/4

[298mm]

VA6103 (Modern), VA6152 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 17 lbs.



TRADITIONAL WALL MOUNT ARM WITH 45° STRAP

VA6104 (Modern), VA6153 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other).

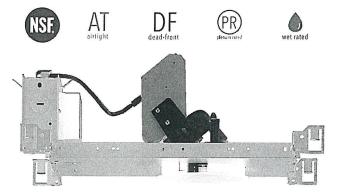
Weight: 18 lbs.

alphabet

JOB NAME STOWE BRIDGES TYPE C (at sloped ceiling above stairs) ORDERING CODE | SEE BELOW

NU4

4" Round Adjustable Standard White









Trimless Millwork

20° - 55° BEAM (Note: Specifications are subject to change without notice)

9mm COB PERFORMANCE DATA					
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE			
10LM	880LM @30K/80CRI	9W			
15LM	1280LM @30K/80CRI	13W			
20LM	1670LM @30K/80CRI	17W			
25LM	2020LM @30K/80CRI	22W			
30LM	2410LM @30K/80CRI	27W			
35LM	2840LM @30K/80CRI	34W			
40LM	3180LM @30K/80CRI	40W			
10LM	740LM @30K/90CRI	9W			
15LM	1080LM @30K/90CRI	13W			
20LM	1410LM @30K/90CRI	17W			
25LM	1710LM @30K/90CRI	22W			
30LM	2030LM @30K/90CRI	27W			
35LM	2410LM @30K/90CRI	34W			

(Note: Specifications are subject to change withou					
6mm COB PERFORMANCE DATA					
LED LIGHT Engine	NOMINAL DELIVERED LUMENS	SYSTEN WATTAG			
10LM	870LM @30K/80CRI	11W			
15LM	1220LM @30K/80CRI	19W			
20LM	1550LM @30K/80CRI	31W			
10LM	730LM @30K/90CRI	11W			
15LM	1025LM @30K/90CRI	19W			
20LM	1310LM @30K/90CRI	31W			
Notes	Delivered lumens base optic with no lens, (see				

15° BEAM

(Note: Speci	9.5° BEAM fications are subject to change	without notice)
4.5	mm COB PERFORMANCE	DATA
LED LIGHT Engine	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	705LM @30K/80CRI	17.5W

595LM @30K/90CRI

Delivered lumens based on 9D

optic with SBL lens, (see page 2)

17.5W

eldoLED nLight

40LM

Notes



2710LM @30K/90CRI

Delivered lumens based on 35D

optic with no lens, (see page 2)

CASAMBI

EATURES

True 40° Tilt with <5% beam disruption (clipping) Zero ceiling line obstruction at Full Tilt Concentric Tilt Tracking ensures minimal light loss 1/16" micro flange

9° - 55° optical beam control

Multiple mounting, glare control options, trims, and finishes available

90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀

80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

DIMMING AND CONTROLS

- · eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX dim to zero
- · Lutron Hi-lumen 2-Wire (Triac and Eco System) dimming to 0.1% and 1%
- . Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 0.1%
- NLight control interface dimming to 0%

LISTING

- * ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens Suitable for wet locations with lens Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- Made in the USA meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

CONSTRUCTION

- Shatter proof acrylic bezel lens
- Lexan™ (PC) Optimal connectivity for wireless control signal · Impact and chemical resistant at the highest level
- · Withstands temperatures up to 240°F

10LM

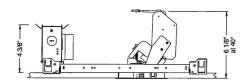
Notes

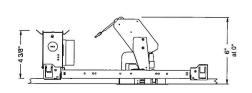
- Electrocoated 16-gauge cold-rolled steel construction
- * Accommodates ceiling thickness from 0.4" to 2.0"
- Fixture is pre-set and shipped at 20deg tilt

ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

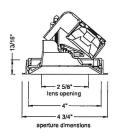
FIXTURE HEIGHT





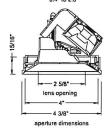
TRIMMED





TRIMLESS





MILLWORK





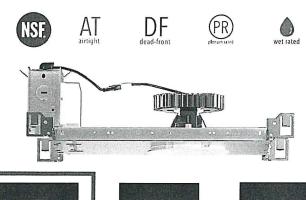
aperture dimension:

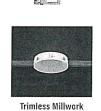
alphabet

JOB NAME	STOWE MTN EXT STAIRS	TYPE	B (flat ceiling)
ORDERING CODE			

NU4

4" Round Downlight Standard White







6m	m COB PERFORMANCE (DATA
LED LIGHT Engine	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	990LM @30K/80CRI	10W
15LM	1460LM @30K/80CRI	15W
20LM	1970LM @30K/80CRI	23W
10LM	840LM @30K/90CRI	10W
20LM	1670LM @30K/90CRI	23W
Notes	Delivered lumens base optic no lens, (see page	

8°-12° BEAM

Trimless

eldoLED nLight

d

CASAMBI

3/4" bezel regress with 1/16" micro flange

8° - 65° optical beam control

IIGR < 19

110 LPW average

Glare control, specialty optics, trim options, and custom finishes available

Microban antimicrobial finish available on all exposed painted surfaces

90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀

80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX dim to zero
- Lutron Hi-lumen 2-Wire (Eco System) dimming to 0.1% and 1%
- · Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 1%
- NLight control interface dimming to 0%

LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens Suitable for wet locations with lens Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

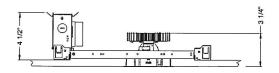
- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless BLE signal connectivity
- · Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-5/8"

ELECTRICAL

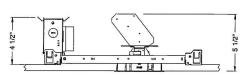
- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- · Remote and Integral (ITS) emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

10LM - 30LM LOW LUMENS



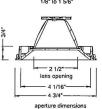
35LM - 40LM HIGH LUMENS



TRIMMED



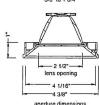




TRIMLESS

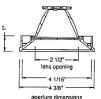


ceiling cutout 4-1/2" diameter



MILLWORK





Site Plans

Issued for Permitting

Date Issued 7/25/23

Latest Issue 11/27/23

Stowe Mountain

Parking Lot Improvements - A Lots

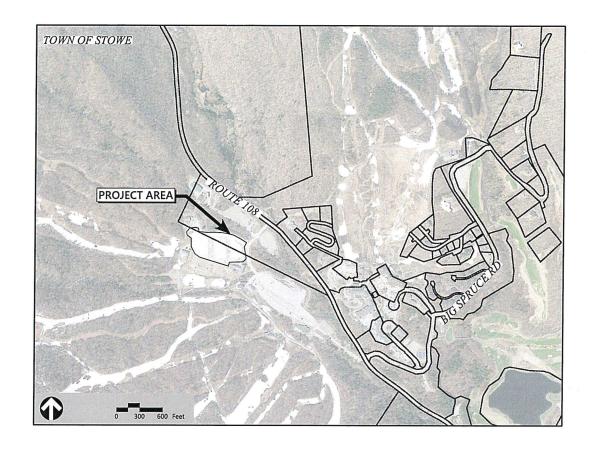
5781 Mountain Road Stowe VT, 05672

Owner / Applicant:

VR US Holdings II, LLC 5781 Mountain Road Stowe, VT 05672

Owner:

State of Vermont
Department of Forests, Parks & Recreation
1 National Life Drive, Davis 2
Montpelier, VT 05620-3801



Sheet Index				
No.	Drawing Title	Latest Issue		
C1.00	Legend And General Notes	7/25/23		
EX1.00	Existing Conditions Plan	7/25/23		
C2.00	Overall Site Plan	11/27/23		
C2.01	Grading Plan (1 Of 2)	11/27/23		
C2.02	Grading Plan (2 Of 2)	11/27/23		
C4.00	EPSC Notes & Narrative	7/25/23		
C4.01	Erosion And Sediment Control Plan	11/27/23		
C6.00	Erosion Prevention & Sediment Control Details	7/25/23		
C6.01	Stormwater Details (1 Of 2)	7/25/23		
C6.02	Stormwater Details (2 Of 2)	11/27/23		
LA1.00	Planting Plan	11/27/23		
LA5.01	Landscaping Details	11/27/23		



40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

Legenu					
Exist.	Prop.		Exist.	Prop.	
					ACCUPATION AND
		PROPERTY LINE			CONCRETE
	•	PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
		RIGHT-OF-WAY/PROPERTY LINE	PECON AS 71		BUILDINGS
		EASEMENT	E. W.	FOX	RIPRAP
		BUILDING SETBACK		222	CONSTRUCTION EXIT
10+00	10+00	PARKING SETBACK	27.35 TG×	27.35 TC×	TOP OF CURB ELEVATION
		BASELINE	26.85 BO×	26.85 BC×	BOTTOM OF CURB ELEVATION
		CONSTRUCTION LAYOUT	132.75 ×	132.75×	SPOT ELEVATION
		ZONING LINE	45.0 TW × 38.5 BW	45.0 TW _× 36.5 BW	TOP & BOTTOM OF WALL ELEVATION
		TOWN LINE	- 0	*	BORING LOCATION
		LIMIT OF DISTURBANCE	98	DR.	TEST PIT LOCATION
		WETLAND LINE WITH FLAG	Θ_{NN}	⊕ MW	MONITORING WELL
		FLOODPLAIN			-
		ROPDERING LAND SUBJECT			UNDERDRAIN
8.55-		BORDERING LAND SUBJECT TO FLOODING	12*0	12°D→	DRAIN
		WETLAND BUFFER ZONE		6*RD	ROOF DRAIN
NDZ-		NO DISTURB ZONE	12°S	12*s	SEWER
200'RA		200' RIVERFRONT AREA	<u>FM</u>	₩	FORCE MAIN
				ОНW	OVERHEAD WIRE
506	EOP	GRAVEL ROAD	6*W	—-6 ' W—	WATER
D8		EDGE OF PAVEMENT	4"FF"	——4"FP——	FIRE PROTECTION
TOTAL PROPERTY.		BITUMINOUS BERM		2*DW	DOMESTIC WATER
<u>FC</u>	BC	BITUMINOUS CURB	3*G	—-с—	GAS
	cc	CONCRETE CURB		——Е—	ELECTRIC
		CURB AND GUTTER	STU	——ятг	STEAM
CC	ECC	EXTRUDED CONCRETE CURB	*		TELEPHONE
22	NCC	MONOLITHIC CONCRETE CURB	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	——FA——	FIRE ALARM
	PCC	PRECAST CONC. CURB	CATV	—- CATV-—	CABLE TV
VCC SCC		SLOPED GRAN. EDGING		•	CATCH BASIN CONCENTRIC
was and an arrange	VCC	VERT, GRAN, CURB	E1	<u> </u>	CATCH BASIN ECCENTRIC
		LIMIT OF CURB TYPE	200	<u> </u>	DOUBLE CATCH BASIN CONCENTRIC
		SAWCUT	- 650	<u></u>	DOUBLE CATCH BASIN ECCENTRIC
822222			100	_	GUTTER INLET
		BUILDING	0	•	DRAIN MANHOLE CONCENTRIC
]\den	BUILDING ENTRANCE	0)	ŏ	DRAIN MANHOLE ECCENTRIC
3(] ∢ ω	LOADING DOCK	=10=		TRENCH DRAIN
	•	BOLLARD — DUMPSTER PAD	£)	t	PLUG OR CAP
	D	SIGN	₩ ^{CO}	e [®]	CLEANOUT
200	_	DOUBLE SIGN	⊳	>	FLARED END SECTION
40.	=	DOUBLE SIGN		\vee	HEADWALL
		n. Til	<u> </u>	•	
	====	PATH	0	=	SEWER MANHOLE CONCENTRIC
WY Y	\sim	TREE LINE WIRE FENCE		<u> </u>	SEWER MANHOLE ECCENTRIC
		FENCE	00	©	CURB STOP & BOX
-0		HAYBALES	e W	₩ ′	WATER VALVE & BOX
			TSV 	TSV	TAPPING SLEEVE, VALVE & BOX
000000		STONE WALL RETAINING WALL	6.0	₩.	FIRE DEPARTMENT CONNECTION
		STREAM / POND / WATER COURSE	e Hrito	o H™D	FIRE HYDRANT
		DETENTION BASIN	1/0/	, WM	WATER METER
	x	SILT FENCE	Pr/	PIV	POST INDICATOR VALVE
CHINE		SILT SOCK / STRAW WATTLE	(6)	⊚	WATER WELL
		SILI SOCK / STIGHT WATEL	CC CC	o c	GAS GATE
		MINOR CONTOUR	(34 E)	e e	GAS METER
	20	MAJOR CONTOUR	Œ	● EWH	
10)	(10)	PARKING COUNT	EW D	EM	ELECTRIC MANHOLE
-	<u></u>	COMPACT PARKING STALLS			ELECTRIC METER
DY.	DYL	DOUBLE YELLOW LINE	7,1	*	LIGHT POLE
લ	g		Φ	● ^{TMH}	TELEPHONE MANHOLE
No distribution of the latest and th		STOP LINE	•	1	TRANSFORMER PAD
		CROSSWALK	-O-	+	UTILITY POLE
AD.	Δ	ACCESSIBLE CURB RAMP		_	
ě-	۴	ACCESSIBLE PARKING	1	1	GUY POLE
C.	YAM.	VAN-ACCESSIBLE PARKING	iei e	ÎH	GUY WIRE & ANCHOR
			L9	PB	HAND HOLE
					PULL BOX

Genera	al
ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWLL	BROKEN WHITE LANE LINE
CONC	CONCRETE
DYCL	DOUBLE YELLOW CENTER LINE
EL	ELEVATION
ELEV	ELEVATION
EX	EXISTING
FDN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE
GTD	GRADE TO DRAIN
LA	LANDSCAPE AREA
LOD	LIMIT OF DISTURBANCE
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PERF	PERFORATED
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE EDGE LINE
SWLL	SOLID WHITE LANE LINE
TS	TOP OF SLOPE
TYP	TYPICAL
Utility	
СВ	CATCH BASIN
СМР	CORRUGATED METAL PIPE
со	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
FM	FORCE MAIN
F&G	FRAME AND GRATE
FAC	FRAME AND COVER

APPROX	APPROXIMATE	
BIT	BITUMINOUS	
BS	BOTTOM OF SLOPE	
BWLL	BROKEN WHITE LANE LINE	
CONC	CONCRETE	
DYCL	DOUBLE YELLOW CENTER LINE	
EL	ELEVATION	
ELEV	ELEVATION	
EX	EXISTING	
FDN	FOUNDATION	
FFE	FIRST FLOOR ELEVATION	
GRAN	GRANITE	
GTD	GRADE TO DRAIN	
LA	LANDSCAPE AREA	
LOD	LIMIT OF DISTURBANCE	
MAX	MAXIMUM	
MIN	MINIMUM	
NIC	NOT IN CONTRACT	
NTS	NOT TO SCALE	
PERF	PERFORATED	
PROP	PROPOSED	
REM	REMOVE	
RET	RETAIN	
R&D	REMOVE AND DISPOSE	
R&R	REMOVE AND RESET	
SWEL	SOLID WHITE EDGE LINE	
SWLL	SOLID WHITE LANE LINE	
TS	TOP OF SLOPE	
TYP	TYPICAL	
Utility		
СВ	CATCH BASIN	
CMP	CORRUGATED METAL PIPE	
со	CLEANOUT	
CO DCB		
	CLEANOUT	
DCB	CLEANOUT DOUBLE CATCH BASIN	
DCB DMH CIP	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE	
DCB DMH CIP COND	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT	
DCB DMH CIP COND DIP	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE	
DCB DMH CIP COND DIP FES	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION	
DCB DMH CIP COND DIP	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN	
DCB DMH CIP COND DIP FES FM F&G	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE	
DCB DMH CIP COND DIP FES FM	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER	
DCB DMH CIP COND DIP FES FM F&G F&C	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE HARED END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET	
DCB DMH CIP COND DIP FES FM F&G F&C GI	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARD END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND GRATE GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILLE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT	
DCB DMH CIP COND DIP FES FM FAG GI GT HDPE HH HW HYD	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUITER INIET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION	
DCB DMH CIP COND DIP FES FM F&G G G HDPE HH HW HYD INV	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE HARDE DAD SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION	
DCB DMH CIP COND DIP FES FM FSG GI GT HDPE HH HW HYD INV I= LP	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE	
DCB DMH CIP COND DIP FES FM F&C GI GT HDPE HH HW HYD INV I= LP MES PIV PWW	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND GATE FRAME AND FRAME HIGH DENSITY POLYETHYLENE PIPE HANDPHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT FOLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYVINYLCHLORIDE PIPE	
DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC RCP	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND GRATE FRAME AND GOVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION INVERT ELEVATION POST INDICATOR VALVE PAVED WATER WAY POLYVINYLCHLORIDE PIPE REINFORCED CONCRETE PIPE	
DCB DMH CIP COND DIP FES FM FAG GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC RCP R=	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT FOLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYWINYLCHLORIDE PIPE RIM ELEVATION	
DCB DMH CIP COND DIP FES FM FAG GI GT HDPE HH HW HYD INV I= LP MES PIV PVW PVC RCP R= RIIM=	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE HARDE END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAYLO WAYER POLYMINYLCHICHORIDE PIPE RIM ELEVATION RIM ELEVATION RIM ELEVATION RIM ELEVATION	
DCB DMH CIP COND DIP FES FM FSG GI GT HDPE HH HW HYD IINV I= LP MES PIV PWW PVC RCP R= RIM= SMH	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYWINYLCHLORIDE PIPE RIM ELEVATION SEWER MANHOLE	
DCB DMH CIP COND DIP FES FM FAG GI GT HDPE HH HWD INV I= LP MES PIV PWW PVC RCP R= RIM= SMH TSV	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYWINYLCHORIDE PIPE RIM ELEVATION SEWER MANHOLE TAPPING SLEEVE, VALVE AND BOX	
DCB DMH CIP COND DIP FES FM FSG GI GT HDPE HH HW HYD IINV I= LP MES PIV PWW PVC RCP R= RIM= SMH	CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYWINYLCHLORIDE PIPE RIM ELEVATION SEWER MANHOLE	

Notes

General

- CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES
 SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- 4. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 4 INCHES LOAM AND SEED.
- WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.
- 6. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY SHALD ROPEARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- 7. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 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.
- 10. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DUBING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICKINTY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- 12. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- 14. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND EPA JURISDICTION. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR IS TO FILE A CGF NOTICE OF INTERNIT WITH THE PAP AND PREPARE A STORMWATER POLUTION PREVENTION FLAN IN ACCORDANCE WITH THE NPDES REGULATIONS. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTERNIT WITH THE EPA.

Utilities

- I. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVES; HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION AS SHOWN ON DES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOD DOES IT GUARANTEE GAGINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO GROBERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFIE AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND. SHALL CONFIRM THAT THERE ARE NO INSTRUCEMENTS WITH EXISTING UTILITIES AND. SHALL CONFIRM THAT THERE ARE NO INSTRUCEMENTS WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- 2. 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, BELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DILAY BY THE CONTRACTOR, AND THE INNERMATION FUNDISHED IN WRITING TO THE OWNERS REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FALUER TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM GRUGATIONS FOR ADDITIONAL PAYMENTS WINCH OTHERWISE MAY SE WARRANITED TO RESOLVE THE CONFLICT.
- SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
- RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
 - A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
 - B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
 - C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
- 5. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY O'THER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
- 7. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS
- A. STORM DRAINAGE PIPES SHALL BE HDPE
- B. PIPE INSTALLATION AND MATERIALS SHALL COMPLY WITH THE STATE PLUMBING CODE WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE WITH LOCAL PLUMBING INSPECTOR PRIOR TO BEGINNING WORK.
- 8. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL SOMES, CONDUITS, DUCT BANKS, LIGHT FOLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWING.
- CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.
- 10. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

Layout and Materials

1. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF

PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.

- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWAUSS, RAMPS, BUILDING ENTRANCES, STARWAYS, UTILITY PENTERATIONS, CONCRETE DOOR PADS, COMPACTIOR PAD, LOADING DOCKS, BOLLARDS, ETC.
- PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LAND SURVEYOR.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIPY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.

- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC. UNLESS INDICATED OTHERWISE ON THE DEWANNIOS, REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPMENT INCLUDING EXTERIOR COLUMNS.
- EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES.
- CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- 4 THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION, THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ADDITIONAL COMPENSATION FOR CHANGED CONDITIONS OR UNIFORESEEN OR LATENT SITE CONDITIONS RELATED TO ANY CONDITIONS DISCOVERED DURING EXECUTION OF THE
- UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, DEPPISE, DELAY, INJURY OR DEATH ABISING FROM THE PRESENCE OF HAZARDOUS MATERIAL AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE NOINEER FROM ANY CLAIMS MADE IN CONTRICTION OF THE PREVENCE OF THE MOINEER FROM ANY CLAIMS MADE IN CONTRICTION OF ANY THE WITH ERGAND TO ANY CONTRICTION OF THE PROJECT OF ANY THE WITH ERGAND TO ANY CONTRICTION OF THE PROJECT OF ANY CLAIMS AND ADMINISTRATIFE SESSIES OF THE PROPERTY WITH REGALD TO ANY CONTRICTION AND MONTH.

- PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE
 AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS
 IDENTIFIED IN FEDERAL STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AS EDIMENT CONTROL (FEBRUARY 2020), THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
- CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED
- 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DAWINGE DEVIAIN SEVER SYSTEMS.

Existing Conditions Information

- BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY FREE ONLINE AVAILABLE RESOURCES THROUGH VERMONT CENTER GEOGRAPHIC INFORMATION OVCGI, THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON LIDAR CONTIOUS HATA PROVIDED BY THE STATE AND AERIAL IMAGERY PROVIDED BY THE VERMONT CENTER FOR GEOGRAPHIC INFORMATION (VCG).
 - A. DELINEATION OF THE WETLANDS AND PLACEMENT OF THE FLAGS WAS PERFORMED BY: MITCHELL JACKMAN ON MAY 23, 2023.
- 2. TOPOGRAPHY: ELEVATIONS ARE BASED ON VT83F.

Document Use

- 1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL THESE POWS AND COMESTIVENESS OF THE STATE OF
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND
 DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIPY LOCATION OF PROJECT
 FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE
 SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT.



40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802 497 6100

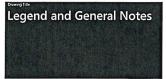
Stowe Mountain Parking Improvements -A Lots

5781 Mountain Road

No.	Revision	Date	Appvo
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Design	ed by	Checked by	DANSTORY
	SSM/VMA		DJH
Issued	for	Deta	

Not for Construction

Permitting



July 25, 2023

UTILITY POLE

58971.00



40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100





Stowe Mountain Parking Improvements -A Lots

5781 Mountain Road Stowe VT, 05672

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Perigonal by SSM/VMA DJH DJH Date Permitting July 25, 2023

Not for Construction

Existing Conditions Plan

Drawing Number

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Project Number





Building 100 Suite 200

802.497.6100

South Burlington, VT 05403





Stowe Mountain Parking Improvements A Lots

A Lots 5781 Mountain Road Stowe VT, 05672

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Layout and Landscaping Revisions	11/27/2023	DJH
		-

	SSM/VMA	Checked by DJH
	Issued for	Date
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Not for Construction

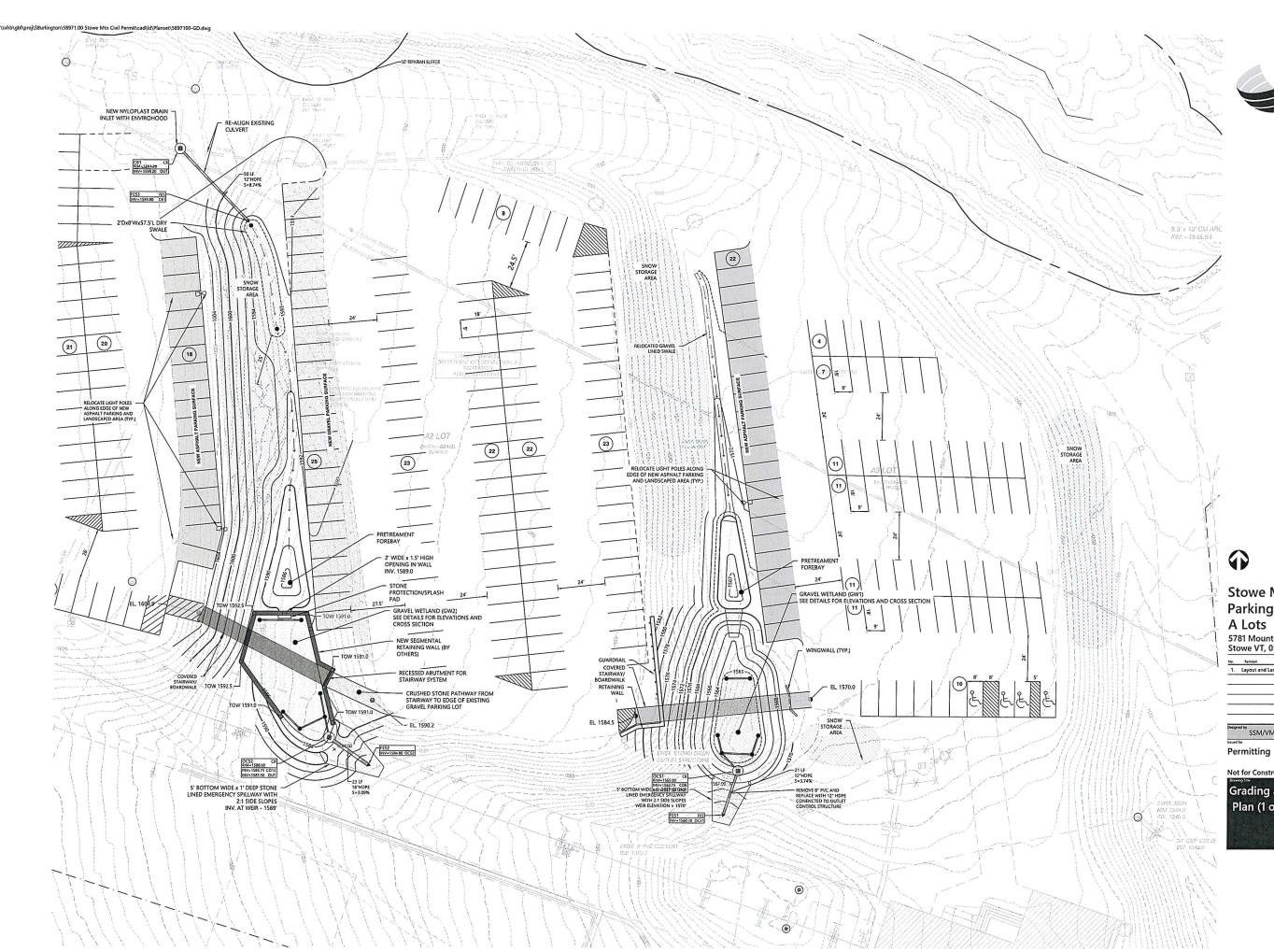


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Project Number 58971.00





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Parking Improvements -A Lots

5781 Mountain Road Stowe VT, 05672

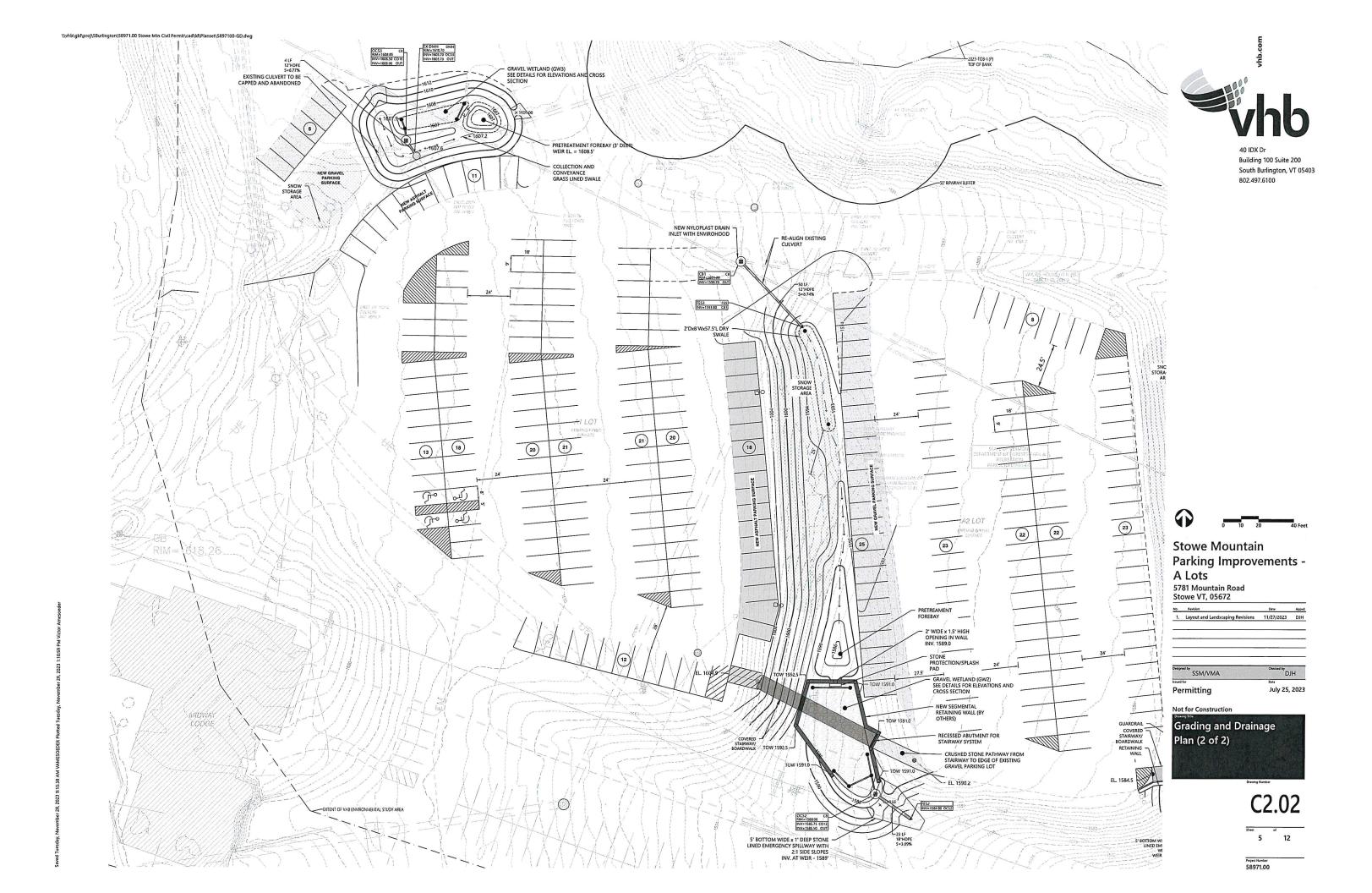
No.	Revision	Date	Appvo
1.	Layout and Landscaping Revisions	11/27/2023	DJH
Design	ed by	Checked by	10

Not for Construction

Grading and Drainage Plan (1 of 2)

C2.01

July 25, 2023



- 1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING
- 2. IN THE EVENT THAT SUSPECTED 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 JUSTICE SPREADING OF THE MATERIAL, AND SHALL NOTHEY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUSSEQUENT ACTION CAN BE TAKEN.
- 3. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO

Erosion Control

- CONTRACTOR ACTIVITIES SHALL ADHERE TO THIS SITE PLAN SET, THE CONDITIONS OF THE CONSTRUCTION STORMWATER DISCHARGE PERMIT ISSUED FOR THIS PROJECT, AND THE VERMONT STANDARGS AND SPECIFICATIONS FOR ERSOIN PREVENTION AND SEDIMENT CONTROL (2006, MANDED 2020). THE VERMONT ERSOIND PREVENTION AND SEDIMENT CONTROL FIELD QUIDE (2009) CAN BE USED AS A GUIDE BY THE CONTRACTOR BUT DOES NOT REPLACE REQUIREMENTS IN THE ABOVE REFERENCED DOCUMENTS.
- 2. EPSC MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES WITH THE EXCEPTION OF EARTH DISTURBANCE THAT MAY RESULT FROM ACCESSING THE AREASY WITH EQUIPMENT IN ORDER TO INSTALL THOSE STATEMENT OF THE PRIOR OF THE STATEMENT OF THE PRIOR OF THE STATEMENT OF THE STATEMENT OF THIS THE STATEMENT OF THIS THE STATEMENT OF THIS THE STATEMENT OF THIS THIS STATEMENT OF THIS THIS STATEMENT OF THIS THIS STATEMENT OF THIS THIS STATEMENT OF THIS STATEMENT.
- 3. PROPOSED CHANGES TO THE EPSC PLAN SHALL BE APPROVED BY THE PERMITTEE OR THEIR DESIGNEE PRIOR TO
- PERMISSION MUST BE GRANTED BY VT DEC PRIOR TO USE OF ANY SUPPORT ACTIVITIES OCCURRING OUTSIDE OF THE APPROVED PROJECT BOUNDARIES. THIS INCLUDES USE OF OFF-SITE WASTE AND BORROW AREAS.
- 5. ALL PARTIES ASSOCIATED WITH CONSTRUCTION ACTIVITIES WHO MEET EITHER OF THE FOLLOWING TWO CRITERIA OF PRINCIPAL OPERATOR" MUST OBTAIN COVERAGE UNDER THE CONSTRUCTION STORMWATE DISCHARGE FRMIT TO AT HE PROJECT PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES BY THAT

 - THE PARTY HAS OPERATIONAL CONTROL OVER CONSTRUCTION PLANS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE ABILITY TO MAKE MODIFICATIONS TO THOSE PLANS AND SPECIFICATIONS. OR PROJECT THAT ARE NECESSARY TO ENSURE COMPULANCE WITH AN EPEC PLAN FOR THE STORT OF THE PROJECT THAT ARE NECESSARY TO ENSURE COMPULANCE WITH AN EPEC PLAN FOR CONTROL OF THE PERMIT CONDITIONS (E.G., THEY ARE AUTHORIZED TO DIRECT WORKERS AT A SITE TO CARRY OF ACTIVITIES REQUIRED BY THE FEST PLANS OR COMPILY WITH OTHER PERMIT CONDITIONS).

Construction EPSC Notes:

- 1. EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED TO THE EXTENT PRACTICABLE.
- 2. A VEGETATED BUFFER SHALL BE MAINTAINED FOR WATER RESOURCES (E.G., WETLANDS AND STREAMS) TO THE
 EXTENT PRACTICABLE
- TO THE EXTENT PRACTICABLE, SURFACE, FLOW SHALL BE DIVERTED AWAY FROM EXPOSED SOILS AND WATER RESOURCES, CONTRACTOR SHALL CONTROL STORMWATER BLOOPED DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- RESOURCE AREAS (E.G. STREAMS) WITHIN THE PROJECT AREA SHALL BE FLAGGED PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES OCCURRING WITHIN CLOSE PROXIMITY TO THOSE AREAS.
- EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH A SEDIMENT TRAPPING DEVICE AND DISCHARGED IN A MANNER THAT DOES NOT RESULT IN IMPACTS TO WATER QUALITY OR CONTRIBUTE TO EROSION. SEE DIFILLS FOR MORE INFORMATION.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO THE OTHER APPLICABLE CRITERIA:
- NO MORE THAN 500 UNEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 EXCAVATED MATERIAL SHALL BE PLACED IN UPLAND AREAS ON THE UPHILL SIDE OF THE TRENCHES, WHERE FEASIBLE.
- SEDIMENT REMOVED FROM SEDIMENT CONTROL PRACTICES SHALL BE DISPOSED OF IN AN UPLAND AREA WITH STABILIZATION FOLLOWING DISPOSAL OF MATERIAL
- IN ADVANCE OF FORECASTED RAINFALL OR SNOWMELT, EPSC MEASURES THAT ARE LOCATED IN AREAS OF ACTIVE EARTH DISTURBANCE SHALL BE INSPECTED AND REPAIRED, AS NEEDED.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURE. DUST CONTROL SHALL BE HANDLED VIA WATER OR CALCIUM CHLORIDE APPLICATION TO ROADWAYS AND OTHER AREAS WHERE DUST MAY BE GENEVATED.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE REGULARLY MAINTAINED TO CONTROL EQUIPMENT AND VEHICLES FROM TRACKING MATERIAL OFF SITE.
- 11. STUMPING AND GRUBBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROJECTS CONSTRUCTION STORMWATER DISCHARGE PERMIT AND EPSC PLAN.
- 12. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS SHALL COMPLY WITH THE FOLLOWING:

CONSTRUCTION DEMARCATION:

- CONSTRUCTION DEMARCATION TO BE INSTALLED ALONG PERIMETER OF LIMITS OF DISTURBANCE PER THE EPSC PLANS
- THE EPSC PLANS

 WITHIN 50 FEET OF RESOURCE AREA, DEMARCATION MUST INCLUDE:

 2 TO 3 VERTICAL ROWS OF STAKED (OR STAPLED) 3-INCH (MIN.) ORANGE BARRIER MESH TAPE OR.
- ORANGE CONSTRUCTION FENCE, OR
- ORANGE SNOW FENCE
- WHEN GREATER THAN 50 FEET FROM A WATER RESOURCE AREA, DEMARCATION MAY INCLUDE:
 ONE ROW OF STAKED (OR STAPLED)3-INCH (MIN.) ORANGE BARRIER MESH TAPE OR,
- ORANGE CONSTRUCTION FENCE, OR

- PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SEDIMENT RUNOFF AND/OR SOIL EROSION.
- PERIMETER CONTROLS ARE NOT TO CROSS ACTIVE ACCESS ROUTES OR PERENNIAL FLOW PATHS (E.G. A STREAM).
- WITHIN 50 FEET OF A WATER RESOURCE AREA, PERIMETER CONTROLS MUST INCLUDE:
 REINFORCED SILT FENCE TO BE REINFORCED WITH WIRE MESH.
- d. WHEN GREATER THAN 50 FEET FROM A WATER RESOURCE AREA, PERIMETER CONTROLS MAY INCLUDE:

 * SILT FENCE (NON-REINFORCED), OR
- STAKED FIBER ROLLS IN SOME AREAS WHERE THE GROUND SURFACE IS LEVEL AND THERE ARE NO PATHWAYS (E.G., DITCHES OR AUTS) THAT COULD TRANSPORT RUNOFF FROM THE PROJECT AREA, INSTALLATION OF PERIMETER CONTROLS MAY NOT BE NECESSARY PER APPROAULS BY THE ON-SITE PLAN COORDINATOR (OSPC.)
- g. 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

13. LIMITS OF DISTURBANCE DEMARCATION FOR THIS AREA SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES. AN EXCEPTION IS EARTH DISTURBANCE THAT MAY BE NEEDED TO ACCESS THAT AREA TO INSTALL THE DEMARCATION MEASURES.

Pre-construction and Permitting Notes:

- THE NAME AND DAYTIME PHONE NUMBER OF THE OSPC SHALL BE PROVIDED IN WRITING TO VT DEC PRIOR TO THE START OF CONSTRUCTION.
- THE NOTICE OF AUTHORIZATION (NOA) ISSUED BY VT DEC SHALL BE POSTED IN A LOCATION THAT IS VISIBLE TO THE PUBLIC (E.G., NEAR THE CONSTRUCTION ENTRANCE).
- A COPY OF THE EPSC PLAN SHALL BE MAINTAINED ON-SITE DURING NORMAL WORKING HOURS FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE OF FINAL STABILIZATION. THE EPSC PLAN SHALL BE MADE AVAILABLE TO VY TEC UPON REQUEST.

Winter Construction Notes:

- THE CONTRACTOR SHALL SEQUENCE THE WORK SO AS TO MINIMIZE THE AMOUNT OF CONCURRENT EARTH
 DISTURBANCE THAT OCCURS DURING THE WINTER PERIOD. FOR WORK THAT IS REQUIRED DURING THE WINTER
 PERIOD. THE FOLLOWING PROTOCOL SHALL BE FOLLOWED.
- 2. WINTER CONSTRUCTION SEASON IS DEFINED BY VT DEC AS OCTOBER 15 TO APRIL 15
- THE FOLLOWING WINTER CONSTRUCTION CONDITIONS APPLY TO THOSE CONSTRUCTION ACTIVITIES INVOLVING EARTH DISTURBANCE BETWEEN OCTOBER 15 AND APRIL 15;
 - FOR AREAS STABILIZED BY VEGETATION, SEED SHALL BE APPLIED NO LATER THAN SEPTEMBER 15. MULCH SHALL BE APPLIED AT DOUBLE THE REGULAR CONSTRUCTION SEASON RATE OR ROUGHLY 2 INCHES OF MULCH WITH 80 TO 90% COVER (SEE MULCH DETAIL). MULCH SHALL BE TRACKED IN OR STABILIZED WITH METHING
 - ENLARGE ACCESS POINTS AS PERMITTABLE TO PROVIDE SPACE FOR SNOW STOCKPILING LIMITS OF DISTURBANCE SHALL BE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK, AS
 - CLEARED SNOW SHALL BE PLACED DOWN GRADIENT OF ALL AREAS OF DISTURBANCE WHERE FEASIBLE.
 - NOW SHALL NOT BE PLACED IN STORMWATER TREATMENT STRUCTURES. (E.G. BASINS)
- TO THE EXTENT PRACTICABLE, A MINIMUM 25-700T BUFFER FROM PERMIETER CONTROLS (E.G., SILT FENCE) SHALL BE MAINTAINED TO ALLOW FOR SNOW CLEARING AND MAINTENANCE. FOR AREA OF DOSTUBBANCE WITHIN 100 FEET OF A RECEIVING WATER, SILT FENCE SHALL BE REINFORCED OR ELSE REPLACED WITH PERMIETER DIKES, SWALES, OR OTHER PRACTICES RESISTANT TO
- THE CHANGE OF SHOW LIGADS.

 DRAINAGE STRUCTURES ARE TO BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS AS DETERMINED BY THE ON SITE PROJECT COORDINATOR.

 EPSC MESSURES THAT REQUIRE SOIL DISTURBANCE TO INSTALL (E.G., SILT FENCE) SHALL BE INSTALLED PRIOR TO GROUND FREEZING.
- RICOR TO GROUND FREEZING. NOW AND ICE SHALLE BE REMOVED TO LESS THAN 1 INCH THICKNESS PRIOR TO STABILIZATION. A 10 TO 20-FOOT WIDE STONE PAD SHALLE BE USED IN AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED ICE, AROUND THE PREIMETER OF A BUILDING, WHERE APPLICABLE.
- m. TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A SNOWMELT EVENT, AREAS OF DISTURBED SOIL SHALL BE STABILIZED AT THE END OF EACH WORKDAY, UNLESS

WORK IS TO CONTINUE WITHIN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST OF THE NEXT 24 HOURS OR WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E., NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (EG, UTILITY TRENCHES).

Temporary and Final Stabilization Notes:

- DURING REGULAR CONSTRUCTION SEASON, ALL AREAS OF EARTH DISTURBANCE MUST BE STABILIZED WITHIN 14 DAYS OF INITIAL DISTURBANCE AFTER THIS INITIAL 14-DAY PERIOD, ALL EARTH DISTURBANCE AREAS MUST BE STABILIZED ON A DAILY BASK, WITH THE FOLIOWING EXCEPTION.
 - STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE WITHIN THE AREA WITHIN THE NEXT 24
 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
 - STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E., NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G., UTILITY TRENCHES).
- DURING "WINTER CONSTRUCTION," (OCTOBER 15 TO APRIL 15) DISTURBED SOIL MUST BE STABILIZED AT THE END
 OF EACH DAY, WITH THE FOLLOWING EXCEPTIONS:
 - IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY.
 - STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E., NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G., UTILITY TRENCHES).
- 3. WORK IS TO PROCEED INCREMENTALLY, WITH STABILIZATION OCCURRING IMMEDIATELY FOLLOWING COMPLETION OF AN INDIVIDUAL AREA (E.G. ONE BUILDING PAD OR PARKING AREA) TEMPORARY SOIL STABILIZATION SHALL BE ACHIEVED BY MULCH, SEED AND MULCH, HYDROSEEDING WITH MULCH TACKIFIER SOOL, STONE, AND/OR ROLLED EROSION CONTROL PRODUCTS (E.G., EGISSION CONTROL BRODUCTS) (E.G., EGISSION CONTROL BRODUCTS) (E.G., EGISSION CONTROL PRODUCTS) (E.G., EGISSION CONTROL PR
- AREAS THAT HAVE REACHED TEMPORARY OR FINAL STABILIZATION SHALL NOT BE CONSIDERED PART OF TOTAL
 AREA OF EARTH DISTURBANCE.
- APPROPRIATE SEED MIX SHALL BE APPLIED TO DESIGNATED AREAS PER THE SEED DETAIL SPECIFICATIONS. FOR AN
 AREA TO BE STABILIZED FOR WINTER BY VEGETATED COVER, SEEDING MUST BE COMPLETED BY SEPTEMBER 15.
- AREAS TO BE STABILIZED FOR WINTER THAT DO NOT HAVE ESTABLISHED VEGETATION BY OCTOBER 15 SHALL BE STABILIZED BY ANCHORED MULCH AT THE WINTER APPLICATION RATE, OR OTHER APPROVED STABILIZATION MEASURES; (E.G. ROLLED EROSION CONTROL PRODUCT), DORMANT SEEDING WITH WINTER RYE IS
- 8. ALL FINAL GRADE SLOPES 3H:1V AND STEEPER SHALL BE STABILIZED WITH EROSION CONTROL MATTING
- ALL TEMPORARY EPSC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY EPSC MEASURES ARE NO LONGER NEEDED.

ON-SITE PLAN COORDINATOR (OSPC) Requirements:

- EPSC INSPECTION, MONITORING, AND REPORTING ARE REQUIRED PER THE CONDITIONS OF GENERAL PERMIT 3-9020 STIPULATIONS FOR MODERATE RISK SITES OR FOR PROJECTS COVERED BY AN INDIVIDUAL CONSTRUCTION STORMWATER BICKLARGE PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROLS THAT MINIMIZE OR ELIMINATE POLLUTIANTS IN
- INSPECTIONS CONDUCTED BY THE OSPC OR HIS/HER DESIGNEE SHALL COVER ALL AREAS OF THE SITE THAT ARE BEING ACTIVELY DISTURBED BY CONSTRUCTION OR CONSTRUCTION-RELATED ACTIVITIES, INCLUDING AREAS THAT HAVE BEEN TEMPORARILY STABILIZED.
- 3. INSPECTIONS BY THE OSPC SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, WITH ADDITIONAL INSPECTION, REQUENCY REQUIRED FOR RAIN EVENTS, WINTER CONSTRUCTION, AND VISIBLE DISCHARGES PRET HE CONDUITONS OF PART OF OF GENERAL PERMIT 9020 OR AS REQUIRED BY THE INDIVIDUAL CONSTRUCTION STORMWATER DISCHARGE PERMIT. A WINTERN REPORT SHALL BE COMPLETED FOR EACH INSPECTION AND SIGNED BY THE OSPC. ALI REPORTS ARE TO BE MAINTAINED ON SITE AND MADE AVAILABLE TO STATE DEC. REPASSIVATIVES UPON REQUEST, SEE SECTION 6.2 (G) OF GENERAL PERMIT 9020 OR THE STATE OF THE REPORT SHALL BY THE REPORT OF THE PROPERTY OF
- 4. IF VISIBLY DISCOLORED STORMWATER RUNS OFF THE CONSTRUCTION SITE OR RUNS OFF THE CONSTRUCTION SITE AND DISCHARGES TO RECEIVING WATERS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORREC THE DISCHARGE, INCLUDION AMINTAINING EXISTING PESS MEASURES, AND INSTALLING SUPPLEMENTAL PESS.
- 5. THE OSPC DESIGNATED TO THE PROJECT (AND HIS/HER DESIGNEE) SHALL
 - REVIEW VT DEC'S "ON-SITE PLAN COORDINATOR MANUA
 - BE ON-SITE ON A DAILY BASIS (OR HAVE A DESIGNEE THAT IS ON SITE WHEN HE/SHE CANNOT BE),
- BE DIRECTLY RESPONSIBLE FOR ON-SITE IMPLEMENTATION OF THE EPSC PLAN, BE KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EPSC. OSSESS THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT
- STORMWATER QUALITY,

 POSSESS THE SKILLS TO ASSESS THE EFFECTIVENESS OF EPSC MEASURES SELECTED TO CONTROL THE
 QUALITY OF STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY,

 POSSESS THE SKILLS AND EQUIPMENT TO CONDUCT TURBIDITY MONITORING PURSUANT TO THE
 CONSTRUCTION STORMWATER DISCHARGE PERMIT, AND
- HAVE THE AUTHORITY TO STOP AND/OR MODIFY CONSTRUCTION ACTIVITIES AS NECESSARY TO COMPLY WITH THE EPSC PLAN AND THE CONSTRUCTION STORMWATER DISCHARGE PERMIT.
- ALL PROPOSED CHANGES TO THE EPSC PLAN MUST BE APPROVED BY THE OSPC OR HIS/HER DESIGNEE, AND THE OWNER'S DESIGNATED REPRESENTATIVE, PRIOR TO IMPLEMENTATION. THE PLAN DESIGNEE OR A CERTIFIED PROFESSIONAL IN REGISION AND SEDIMENT CONTROL (PESC) PRIOR TO IMPLEMENTATION, AND BE CONSIDERED MINDR AMERIOMENTS AS DEFINED IN THE GSC HANDBOOK, ALL MINDR AMERIOMENTS ARE TO BE CONSIDERED MINDR AMERIOMENTS AS DEFINED IN THE GSC HANDBOOK, ALL MINDR AMERIOMENTS ARE TO BE RECORDED USING THE MINDR AMERIOMENTS ARE TO BE CONTROL OF THE MINDR AMERIOMENT ARE TO BE CONTROL OF THE MINDR AMERIOMENT AND MARKED ON THE MASTER OF PLAN EST. ALL MODIFICATIONS THAT FALL OUTSIDE OF THE MINDR AMERIOMENT DEFINITION MUST BE APPROVED BY VT-DEC.
- DURING THE REGULAR CONSTRUCTION SEASON (APRIL 1S TO OCT 15), THE OSPC OR HIS/HER DESIGNEE SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HRS FOLLOWING A STORM EVERY RESULTION IN DISCHARGE OF STORM EVERY THE CONSTRUCTION STIE.
- DURING THE WINTER CONSTRUCTION SEASON (OCT 15 TO APRIL 15), THE OSPC OR HIS/HER DESIGNEE SHALL CONDUCT INSPECTIONS ON A DAILY BASIS DURING ACTIVE EARTHWORK.
- OSPC INSPECTIONS SHALL BE DOCUMENTED USING THE VT DEC INSPECTION REPORT FORM OR A VT DEC-ACCEPTED INSPECTION REPORT FORM.
- 10. OSPC INSPECTION REPORTS SHALL BE MAINTAINED ON-SITE FOR THE DURATION OF THE PROJECT AND MADE

EPSC Narrative:

PROJECT DESCRIPTION

NOTE: THIS NARRATIVE IS FOR THE STOWE PARKING LOT IMPROVEMENTS ONLY.

THE EPSC PLAN HAS BEEN PREPARED USING GENERAL PERMIT 3-9020, PART 4.1(C) AND APPENDIX B OF THE GENERAL PERMIT 3-9020 HAS BEEN USED AS GUIDANCE IN PREPARING THE NARRATIVE. THE FOLLOWING SECTIONS (I) THROUGH (13) ADDRESS REQUIRED EPSC PLAN NARRATIVE ELEMENTS IN THE ORDER THAT THEY ARE PRESENTED IN APPENDIX B OF GENERAL PERMIT 3-9020.

PROJECT TYPE AND DESCRIPTION

THE PROPOSED PROJECT WILL INVOLVE IMPROVEMENTS OF THE EXISTING PARKING LOTS IN THE STOWE MOUNTAIN RESORT

MAJOR PROJECT COMPONENTS
MAJOR PROJECT COMPONENTS INCLUDE: GRADING OF EXISTING SITE: CONSTRUCTION OF NEW ASPHALT AND
GRAVEL PARKING SUPFACES; STORMWATER MANAGEMENT SYSTEMS, INCLUDING A GRAVEL WETLAND AND
ASSOCIATED DRAINAGE CONVEYANCE: RINAL SITE GRADING: AND CLEANUP. PROPOSED EARTH DISTURBANCE
THAT RESULTS FROM CONSTRUCTION ACTIVITIES SHALL BE KEPT TO A MINIMUM, WITH EPSC MEASURES SHALL
BE INSTALLED PER THE EPSC PLAN PRIOR TO UPSLOPE DISTURBANCE.

TOTAL EARTH DISTURBANCE
THE TOTAL ANTICIPATED AREA OF DISTURBANCE ASSOCIATED WITH THE PROJECT IS 2.49 ACRES.
CONSTRUCTION AND STABILIZATION SHALL BE CONDUCTED PURSUANT TO THE EPSC PLAN.

4. SEQUENCE OF MAJOR PROJECT COMPONENTS HE OVERALL SEQUENCE OF CONSTRUCTION WILL GENERALLY OCCUR AS FOLLOWS PER THE PERMITTED EPSC

CONSTRUCT THE PROJECT IN THE FOLLOWING PHASES:

- INSTALL ALL SILTFENCE AND PROJECT DEMARCATION. INDIALA ALL SILTENCE AND PROJECT DEMARCATION.

 ESTABLISH FINAL SUBGADEA ET CONSTRUCTION LAUDOWN AREA AND PROVIDE TEMPORARY STABILIZATION.
 CONSTRUCT PARSING LOT EXPANSION.

 CONSTRUCT GRAVEL WETLAND TREATMENT PRACTICES.

 ESTABLISH FINAL SUBGRADE AND STONE SUBBASE FOR PROPOSED PARKING LOTS.

 INSTALL ALL PROPOSED ASPHALT FOR PARKING LOTS.

 FINSURE FINAL STABILIZATION OF ALL VEGETATED SURFACES,

 REMOVE SILT FENCE AND OTHER TEMPORARY EPSC MEASURES.

MAXIMUM CONCURRENT EARTH DISTURBANCE
THE TOTAL MAXIMUM ALLOWABLE CONCURRENT EARTH DISTURBANCE FOR ALL PROJECTS UNDER THE
COMMON PLANJOWNERSHIP IS APPROXIMATELY S ACRES, WHILE IMPLEMENTING THE PERMITTED EPSC PLAN
TO MINIMIZE POTENTIAL FOR EROSION AND SEDIMENT TRANSPORT ASSOCIATED WITH OPEN AREAS.

VEGETATED BUFFERS
THE PROJECT WILL DISCHARGE TO VEGETATIVE BUFFERS > 50 FT PRIOR TO REACHING A WATERS OF THE STATE.
VEGETATIVE BUFFERS SHALL CONSIST OF UNDISTURBED AREAS BETWEEN THE CONSTRUCTION SITE AND THE
RECEIVING WATER-WETLAND, WITH NATURALLY OCCURRING VEGETATION AND GROUND SURFACE (E.G., TREES,
SHRUBS, DUFF LAYER, GRASSES, AND OTHER GROUND PLANTS. THE TOTAL DURATION OF EXPOSED SOIL WILL BE 14 DAYS FROM INITIAL DISTURBANCE, WHILE IMPLEMENTING THE PERMITTED EPSC PLAN TO TEMPORARILY OR PERMANENTLY STABILIZE AREAS AS SOON AS PRACTICABLE.

8. RECEIVING WATERS
THE PROJECT DISCHARGES TO THE HEADWATERS LITTLE RIVER WATERSHED.

9. DRAINAGE AREAS AND SOIL TYPES
RUNOFF FROM THE PROJECT LEAVES THE SITE AT ONE POINT.

b. MrC - MARLOW FINE SANDY LOAM

MIC - MARLOW FINE SANDY LOAM.
CONSISTS OF A SECTION OF THE LOWER PARKING AREA IMPROVEMENTS AND ALL ASSOCIATED
CONSTRUCTION, INCLUDING A NEW GRAVEL PARKING SURFACE, A NEW ASPHALT PARKING SURFACE,
AND TWO GRAVEL WETLANDS. SLOPES VARY SETWEEN 8% AND 15% FOR THIS AREA.
COB - COLITON-DUXBURY COMPLEX
CONSISTS OF THE ENTIRE UPPER PARKING AREA IMPROVEMENTS AND ALL ASSOCIATED
CONSTRUCTION, SLOPES VARY BETWEEN 2% TO 8% FOR THIS AREA.

IID - MANALOW FINE SANDEL COMM CONSISTS OF A SMALL SECTION OF THE LOWER PARKING AREA IMPROVEMENTS AND ALL ASSOCIATED CONSTRUCTION, INCLUDING A NEW GRAVEL PARKING SURFACE, A NEW ASPHALT PARKING SURFACE, AND A NEW GRAVEL WELTAND. SLOPES VARY BETWEEN 15% 10.25% FOR THIS AREA.

10. STREAM CROSSINGS THERE ARE NO PLANNED STREAM CROSSINGS.

12. OFF-SITE WASTE AND BORROW AREAS

NELLAND IMPACES. THERE ARE NO ANTICIPATED IMPACTS TO DEC BUFFERS FOR CLASS I OR CLASS II WETLANDS FOR THIS PROJECT PERFORM ALL WORK THAT IS NEAR THE WETLAND OR WETLAND BUFFER IN ACCORDANCE WITH ANY STATED PERMIT CONDITIONS.

THE PROJECT IS EXPECTED TO GENERALLY BALANCE CUTS AND FILLS IN THE PROJECT AREA. IMPORT MATERIAL IS NOT ANTICIPATED AND FILL MATERIAL SHALL BE TAKEN FROM THE EXISTING SITE IN CUT AREAS.

Stowe Mountain Parking Improvements -A Lots

Building 100 Suite 200

802.497.6100

South Burlington, VT 05403

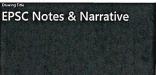
5781 Mountain Road Stowe VT, 05672

No.	Revision	Date	
_			
		- W	

Permitting

SSM/VMA

Not for Construction



Checked by DJH

July 25, 2023



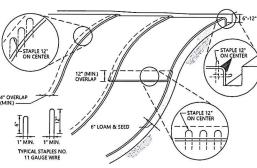
DJH

Project Number 58971.00

- NOTES:

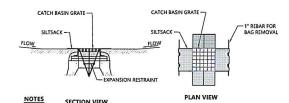
 1. STOCKPILE SUITABLE BACKFILL MATERIAL ON THE UPHILL SIDE OF ALL TRENCHING TO DIRECT
 ANY EROSION BACK INTO THE TRENCH AREA TRANSFER ANY UNSUITABLE BACKFILL
- MATERIAL TO APPROPRIATE SOIL STOCKPILE LOCATIONS.
 STOCKPILE ALL CLEAN MATERIALS ON THE DOWNHILL SIDE OF ALL TRENCHING.

Typical Trench Detail		12/21
N.T.S.	Source: VHB	LD VT



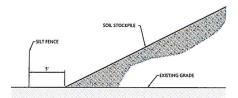
- 1. APPLY TO SLOPES 3H:1V OR GREATER AND WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
- 2. INSTALL EROSION CONTROL BLANKET THAT MEETS VTRANS CONST SPECIFICATIONS FOR SLOPE AND LENGTH.
- 3. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS
- 4. APPLY TOP SOIL, FERTILIZER, LIME AND SEED PRIOR TO PLACING MATTING.
- STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 40 STAPLES ARE REQUIRED PER 4'x50' ROLL OF MATERIAL
- DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION PREVENTION AND SEDIMENT CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE, DO NOT STRETCH AND ENSURE CLOSE CONTACT WITH THE GROUND SURFACE.
- 7. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.
- BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" TO 12" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
- 9. ROLL THE BLANKET DOWN IN THE DIRECTION OF THE WATER FLOW.
- THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4° OVERLAP WHERE 2 OR MORE STRIP WIDTHS
 ARE REQUIRED.
- WHEN BLANKETS MUST BE SPLICED, PLACE UPPER BLANKET END OVER LOWER END WITH 12" (MIN.)
 OVERLAP AND STAPLE BOTH TOGETHER.

Blanket Slope Installation	08/16
Source: VHB	LD_703-VT



- SECTION VIEW 1. INSTALL SILTSACK IN ADDITION TO ANY OTHER INLET PROTECTION ON ALL CATCH BASINS
- 2. GRATE TO BE PLACED OVER SILTSACK.
- SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

Siltsack Sedin	nent Trap		1/16
N.T.S.	Source: VHB	REV	LD_674
STABILIZE STO	OCKPILE PER TEMPORARY REQUIREMENTS		



Soil Stockpile	Soil Stockpile and Covering Detail		
N.T.S.	Source: VHB	LD_	

1"-4" CRUSHED STONE -

CROSS-SECTION

AGGREGATE SIZE: USE A MATRIX OF 1 TO 4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

4. WIDTH: TWELVE (12) FOOT MINIMUM, FLARED AT ROAD FOR VEHICLE TURNING

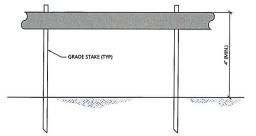
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE

ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION EXITS SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SHILED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

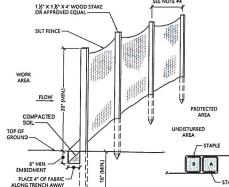
WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT



- BARRIER MESH TAPE OR ROPE SHALL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT AREA TO DEMARCATE THE LIMIT OF DISTURBANCE. NO EARTHWORK OR STORAGE OF MATERIALS SHALL BI CONDUCTED BEYOND THIS LIMIT WITHOUT PRIOR APPROVAL FROM THE

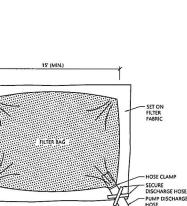
Barrier Mesh Tape or Rope		08/16
N.T.S.	Source: VHB	LD_VT

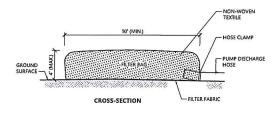


- 1. WOVEN WIRE FENCE REINFORCEMENT IS REQUIRED WITHIN 50 FT UPSLOPE OF RECEIVING WATERS.
- WHERE REQUIRED FENCE SHALL BE WOVEN WIRE, MIN. 14 GAUGE WITH A 6" MESH OPENING SHALL BE USED.
- 3. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUIVALENT.
- POST SPACING FOR WIRE BACKED FENCE SHALL BE 10 FT. MAX. FOR FILTER CLOTH FENCE WHEN ELONGATION IS > 50%, POST SPACING SHALL NOT EXCEED 4 FT. FOR FILTER CLOTH FENCE WHEN ELONGATION IS < 50%, POST SPACING SHALL NOT EXCEED 6 FT.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6 INCHES AND FOLDED.

- 8. SILT FENCE SHALL NOT BE USED TO DEMARCATE LIMITS OF DISTURBANCE.

Silt Fence/ Re	inforced Silt Fence Barrier	08/16
N.T.S.	Source: VHB	LD_650-VT



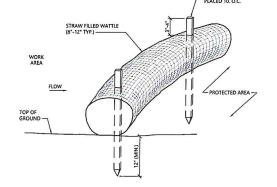


PLAN VIEW

NOTES

1. BAG TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS

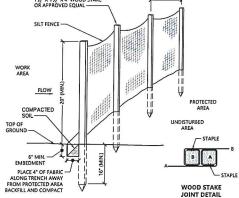
Dewatering Filter Bag			1/16
N.T.S.	Source: VHB	REV	LD_691



- STRAW WATTLE SHALL BE AS MANUFACTURED BY EARTHSAVER OR APPROVED EQUAL
- 2. STRAW WATTLES SHALL OVERLAP A MINIMUM OF 12 INCHES.
- STRAW WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
- TEMPORARY STRAW WATTLES TO BE REMOVED BY CONTRACTOR. ALL
 OTHERS TO REMAIN IN PLACE UNLESS DIRECTED OTHERWISE BY ENGINEER.
- IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

Straw Wattle - Erosion Control Barrier			1/20
N.T.S.	Source: VHB	REV	LD_659

Stabilized Construction Exit LD_682-VT



Stowe Mountain Parking Improvements -A Lots

Building 100 Suite 200

South Burlington, VT 05403 802.497.6100

5781 Mountain Road

n	Date	App
		-
	on .	d Date

DJH SSM/VMA July 25, 2023 Permitting

Not for Construction

Erosion Prevention & Sediment Control Details

TEMPORARY & PERMANENT SEEDING IN UPLAND AREA:

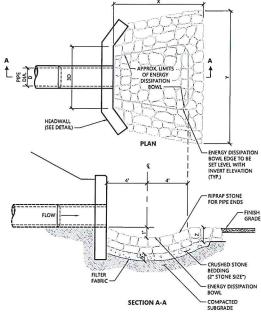
1. SEE SPECIFICATIONS ABOVE FOR TEMPORARY AND PERM

GRAVEL WETLAND BASIN SEEDING

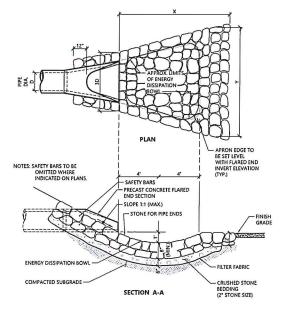
- 1. AREA TO BE SEEDED MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE
- 2. SEEDING METHOD TO RESULT IN GOOD SOIL TO SEED CONTACT.
- AFTER SEEDING, MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/AC (APPROX 90 LBS/1,000 SF OR 2 BALES/1,000 SF); SEE MULCH DETAIL AND SPECIFICATIONS.
- 4. MULCH ANCHORING MAY BE NEEDED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE POSSIBLE.
- AREA TO BE SEEDED MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE; CHISELING OR DISKING MAY BE NEEDED IF SOIL IS COMPACTED.
- PERMANENT SEEDING TO OCCUR PRIOR TO SEPTEMBER 15TH UNLESS WEATHER PERMITS SEEDING BEYOND SEPTEMBER 15TH.
- 8. WETLAND SEED MIXTURE SPECIES COMPOSITION: AMERICAN SUR-REED (SPARGANIUM AMERICANUM), BROAD-FRUITED BUR-REED (SPARGANIUM EURYCARPUM), PICKERELWEED (PONTEDERIA CORDATA), WILD RICE (ZIZANIA SP.), BROADLEAF ARROWHEAD (SAGITTARIA LATIOLUA), RICE CUTERASS ((EREISA ORYZOIDES), NORTHERN WATER PLANTAIN (ALISMA SUBCORDATUM), SWEETFLAG (ACORUS AMERICANUS), LONG-HAIR STODE (CAREX CANDIAS), ANDODING SEDEG (CAREX CRINITA), SHALLOW SEDEG (CAREX LURIDA), RATTLESNAKE MANNAGRASS (GLYCERIA CANADENSIS), FOWL MANNAGRASS (GLYCERIA STRIATA), SOFTSTEM BULUNH SCHOHONDELECTUS TABERNARMONTANI).
- 9. APPLY 18 LBS PER ACRE OF WETLAND SEED MIXTURE.
- COVER WETLAND SEED MIXTURE ON BOTTOM OF GRAVEL WETLAND BASIN EROSION CONTROL BLANKET AND ANCHOR IN PLACE.

- GRAVEL WETLAND S.
 GRAVEL WETLAND D.
 GRAVEL WETLAND.
 GRAVEL WETLAND D.
 GRAVEL WETLAND
 GRAVEL WETLAND D.
 GRAVEL WETLAND
 GRAVE

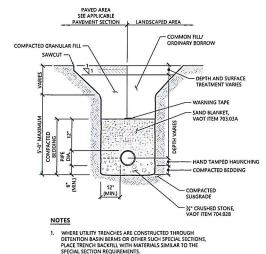
- OUTSIDE MATERIAL
 A.D. IN ALL CASES, THE GRAVEL WETLAND SOIL SHALL BE TESTED IN ACCORDANCE WITH THE P-TESTING







Flared End Section (FES) with Stone Protection				
N.T.S.	Source: VHB	REV	LD_134	



Storm Drain and Foundation Drain	1/16

2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.

BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS, AND UNIFORM SUPPORT FOR THE FULL LENGTH OF THE PIPE.

4. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER THE PIPE TO ENSURE PIPE IS NOT DAMAGED

Source: VHB



Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

- WETLAND SOIL SHALL MEET THE FOLLOWING CRITERIA:

 1. THE SOIL MEDIA SHALL HAVE LOW HYDRAUUCALLY CONDUCTIVITY (KSAT = 0.1-0.01 FT/DAY = 3.5x10--5 CM/SECT 0.3 5x10--6 CM/SECT 0.3 5x10-6 CM/SECT 0.3 FT/DAY = 3.5x10-3 CM/SECT 0.3 FT/DAY = 3.5x10-3 CM/SECT 0.3 SOIL PH SHOULD BE BETWEEN SO AND 7.0.

 1. UTILIZATION OF ON SITE WATERIALS TO MANUFACTURE SOIL LAYER IS ENCOURAGED PROVIDED THAT THE SOIL WILL MEET SPECIFICATIONS, EITHER AS A STANDALONE PRODUCT OR BY MANEPOMENT WITH OUTSIDE MATERIAL.

 4. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION IF NEFSTSAED.

- SUBSTITUTIONS MUST BE AS THE STATE OF T DESCRIBED BELOW AND SHALL HAVE A PHOSPHORUS SATURA OR EQUAL TO 0.10.
 5.1. PSR IS DETERMINED USING THE FOLLOWING PROTOCOL:

- Samples are to be air dried and sieved through 2 mm prior to testing
 Air dried, sieved soil samples are to then be extracted with the Mehlich 3 solution (0.2 M CH_COO) + 0.25 M Ni,MO, + 0.015 M Ni,F + 0.013 M NINO, + 0.010 M EDTA) by thaking a soil solution suspension for 5 minutes at a 1:10 mile fool mass in grame; solution volume in mil., followed by filtering to remove particles (pose size of 2) m is
- solution volume in mLJ, followed by intering to remove particles (pore size of 2 µm is recommended, max pore size = 8 µm).

 3. Extracts from the Mehlich-3 procedure are to be analyzed for P, Fe, and Al by ICP-OES.

 4. The Phosphorus Saturation Ratio (PSR) is then calculated as follows:

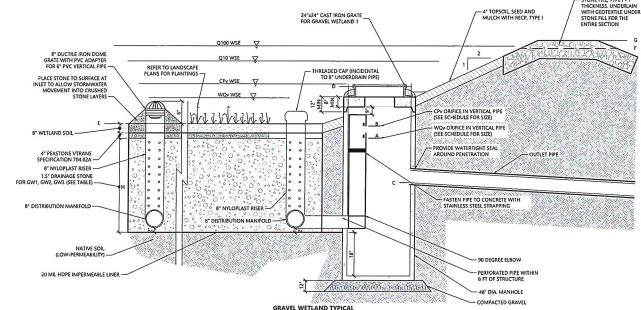
$$PSR = \frac{\left(\frac{P_{M3}}{31}\right)}{\left(\frac{Fe_{M3}}{56}\right) + \left(\frac{AI_{M3}}{27}\right)}$$

- P_{K1}= Mehlich-3 P in mg P per kg dry soil
 P_{G1}= Mehlich-3 Pe in mg Fe per kg dry soil
 Al₁₃= Mehlich-3 AI in mg AI per kg dry soil

THE TRANSITION LAYER MAY BE COMPOSED OF EITHER PEA GRAVEL OR A COMBINATION OF SAND AND PEA GRAVEL.

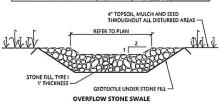
THE SUBSURFACE GRAVEL LAYER SHALL BE MINIMUM OF 24 INCHES IN DEPTH AND CONSIST OF ? INCH CRUSHED STONE.

**DESIGNERS MUST DOCUMENT THROUGH ONSITE SOIL CHARACTERIZATION THAT NATIVE SUBSOILS ARE SUFFICIENTLY IMPERMEABLE TO SUPPORT SEASONAL HIGH-WATER TABLE (SHWT) WITHIN THE GRAVEL LAYER A LINER BELOW THE SUBSURFACE GRAVEL LAYER IN REQUIRED IN CASSES WHERE NATIVE SUBSOILS CANNOT SUPPORT THIS SHWT.



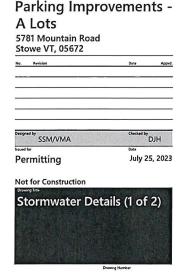
Gravel Wetland (Single Bay)		04/21
NTS	Source: VHB	ID VT

	G	RAVEL WETLA	ND
Location	GW1	GW2	GW3
A - WQV ORIFICE ELEVATION (SIZE)	1562.75 (1° Ø)	1585.75 (1° O)	1606.50 (1° Ø)
B - CPV ORIFICE ELEVATION (SIZE)		1587.00 (12° Ø)	
C - OUTLET PIPE ELEVATION (SIZE)	1561.50 (15° Ø)	1585.50 (18° Ø)	1606.00(12* 0)
D - CB ORIFICE/GRATE ELEVATION (SIZE)	1565.00 (24° Ø)	1588.00 (24° Ø)	1608.85 (24" 0)
E - BASIN BOTTOM FINISHED ELEVATION	1563.00	1586.00	1607.00
F - OVERFLOW SPILLWAY ELEVATION	1567.00	1589.00	1609.00
G - TOP OF EMBANKMENT	1568.00	1590.00	1610.00
H - STONE DEPTH	45"	48"	48*
WQ+ WATER SURFACE ELEVATION (WSE)	1565.01	1587.31	1607.53
CPv WSE	1565.35	1587.98	1608.19
Q10 WSE	1565.69	1588.90	1608.90
Q100 WSE	1566.98	1589.41	1609.18



NOTES

- GRASSED SIDE SLOPES WITHIN TREATMENT WETLANDS SHALL HAVE 2:1 SIDE SLOPES
- MAXIMUM. 2. GRAVEL WETLAND MEDIA (CRUSHED STONE, 1-1/2") SHALL EXTEND LATERALLY TO THE
- GRAYEL WE LAND MEDIA (CRUSHED STONE, 1-7;) SHALL EXTEND CATENALTY TO THE LIMITS OF ELEVATION 30000 WITHIN THE BEAVILLS BETWEEN CRUSHED STONE
 CLAY SOIL LINER SHALL BE INSTALLED ON SIDE WALLS BETWEEN CRUSHED STONE AND NATIVE SOIL TO TOP OF CRUSHED STONE LAYER, CLAY LAYER MAY BE OMITTED IF SUITABLE IMPERMEABLE NATURAL MATERIAL EXISTS.
- 4. 6" UNDERDRAIN CARRIER PIPE SHALL NOT BE BACKFILLED WITH STONE BEDDING OR OTHER PERMEABLE MATERIAL, BACKFILL CARRIER PIPES WITH CLAY OR PROVIDE ANTI-SEEP COLLARS (INCIDENTAL TO COST OF CARRIER PIPE).



Stowe Mountain

58971.00

40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

VEGETATION AND LANDSCAPING:

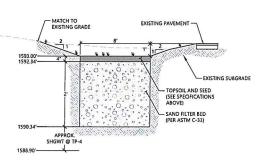
1. THE ENTIRE CONTRIBUTING AREA SHALL BE STABILIZED BEFORE RUNOFF MAY BE DIRECTED INTO THE PRACTICE. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER THE CONTRIBUTING PREVIOUS DRAINAGE AREAS, AND IMPERVIOUS AREA CONSTRUCTION MUST BE COMPLETED.

2. A THINK VEGETATIVE COVER SHALL BE PROVIDED FOR PROPER FUNCTION.

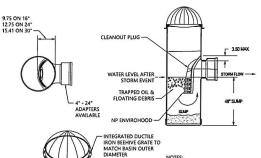
- . A LANDSCAPING PLAN THAT PROVIDES SOIL STABILIZATION AND NUTRIENT UPTAKE SHALL BE PROVIDED FOR BOTH WET AND DRY SWALES, FOR DRY SWALES THAT ARE INTENDED TO BE MOWED, A SEED SPECIFICATION AND SEEDING RATE MAY TAKE THE PLACE OF THE LANDSCAPING PLAN.

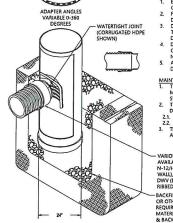
 3.1. NATIVE PLANT SPECIES SHOULD BE SPECIFIED OVER NON-NATIVE SPECIES, THOUGH NON-INVASIVE CULTIVAS ARE ALSO ACCEPTABLE AND CAN PROVIDE THE FUNCTIONS NEEDED.

 3.2. THE LANDSCAPING PLAN SHOULD SPECIFY PROPER GRASS SPECIES AND EMERGENT PLANTS BASED ON SPECIFIES THE SOILS, AND THONE CONDITIONS FEEDER.



Dry Swale (Area A)





- NOTES:

 1. ENVIROHOOD AVAILABLE WITH ALL 18*-30* STRUCTURE OPTIONS (CUSTOM BASIN, ROAD, HIGHWAY & CURB INLET).

 2. FRAMES, GRATES, COVERS, HOODS & BASE PLATES SHALL BE DUCTILE HOND PER ASTIN ASSI GRADE 70-50-65.

 3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DEFAILS, RISERS ARE RIZED FOR BASINS OVER 84 PORTION FOR THE STRUCTURE OF THE STRUCTURE OF
- MAINTENANCE INSTRUCTIONS:

 1. THE STRUCTURE SHOULD BE INSPECTED AT LEAST ONCE PER MONTH TOO THE FIRST YEAR, OR UNTIL THE SITE HAS STABILIZED.

 2. THE STRUCTURE SHALL BE CLEANED IF ACCUMULATED DEBRS IS EQUAL OR GREATER TO THE FOLLOWING:

 2.1. DEBRS IN SUMP 18" MAX

 2.2. FLOATABLE DEBRIS 6" MAX

 3. THE DEBRS SHALL BE CLEANED AND RINSED THOROUGHLY AS SPECIFIED BY ENGINEER BASED ON SITE CONDITIONS.

— VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4"-30" FOR COARRIGATED HOPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40) PVC COBONOS, CORRUGATED & RIBBED PVC

BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS. II OR CLASS III MATERIAL AS DEINIED IN ASTIM D2321. BEDDING & BACKFILL FOR SUPFACE DAMINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTIM D2321.

Nyloplast Drain Basin with Envirohood N.T.S.

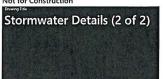
Stowe Mountain Parking Improvements -A Lots

5781 Mountain Road Stowe VT, 05672

No.	Revision	Date	Appr
1.	Layout and Landscaping Revisions	11/27/2023	DJH
_			
Design	ned by	Checked by	ENRING

SSM/VMA "DJH July 25, 2023 Permitting

Not for Construction



Project Number 58971.00

OWNER

Stowe Mountain Resort

5781 Mountain Road Stowe, VT 05672 802.253.3629

ARCHITECT

Freeman French Freeman, Inc.

81 Maple Street Burlington, VT 05401 802.864.6844

STRUCTURAL ENGINEER

DeWolfe Engineering Associates P.C. 317 River St., P.O. Box 1576 Montpelier, VT 05601 802.223.4727

ABBREVIATIONS

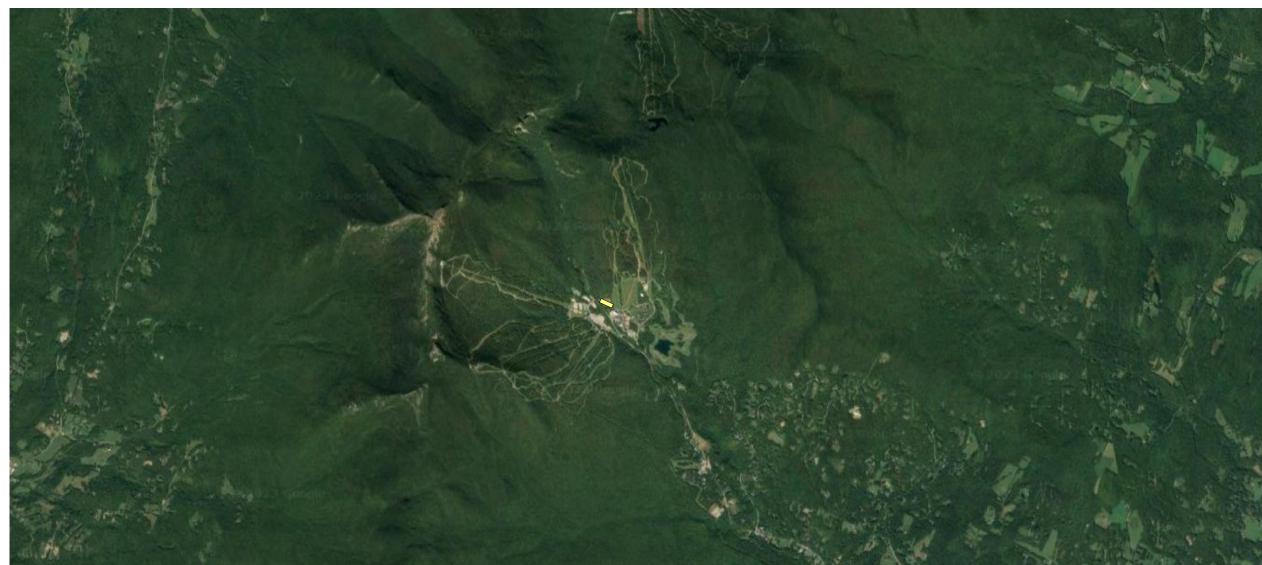
ACT	ACOUSTICAL CEILING TILE	MATL	MATERIAL
ADA	AMERICANS WITH	MAX	MAXIMUM
	DISABILITIES ACT	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
ALUM	ALUMINUM	MIN	MINIMUM
APPROX	APPROXIMATELY	MISC	MISCELLANEOUS
DD.	DOADD	MO MC	MASONRY OPENING
BD BLDG	BOARD BUILDING	MS MTD	MANUAL SHADE MOUNTED
BS	BLACKOUT SHADE	MTL	METAL
Б	DEAGROOT STIADE	WILE	MEIAE
CG	CORNER GUARD	NIC	NOT IN CONTRACT
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CL	CENTER LINE		
CLG	CEILING	OC	ON CENTER
CLR	CLEAR	OD	OVERFLOW ROOF DRAIN
CMP	COMPOSITE METAL PANEL	OFF	OFFICE
CMU	CONCRETE MASONRY UNIT	ОН	OPPOSITE HAND OR
COL	COLUMN	OPP	OVERHEAD OPPOSITE
CONT	CONCRETE CONTINUOUS	OFOI	OWNER FURNISHED
CORR	CORRIDOR	0101	OWNER INSTALLED
CPT	CARPET	OFCI	OWNER FURNISHED
CT	CERAMIC TILE		CONTRACTOR INSTALLED
CFCI	CONTRACTOR FURNISHED		
	CONTRACTOR INSTALLED	PJ	PANEL JOINT
CF0I	CONTRACTOR FURNISHED	PL	PLATE
	OWNER INSTALLED	•	PLASTIC LAMINATE
		PLYWD	PLYWOOD
DF	DRINKING FOUNTAIN	PREFAB	PREFABRICATED
DIA	DIAMETER	PT	PRESSURE TREATED
DIM DN	DIMENSION DOWN	PTD	PAINTED
DTL	DETAIL	QT	QUARRYTILE
DWG	DRAWING	Ų	QUARKT TIEE
2	2.0	RCP	REFLECTED CEILING PLAN
EJ	EXPANSION JOINT	RD	ROOF DRAIN
EL/ELEV	ELEVATION	REF	REFERENCE/REFRIGERATOR
ELEC	ELECTRIC	REQD	REQUIRED
EMER	EMERGENCY	RESIL	RESILIENT
ENGR	ENGINEER	REV	REVISION
EQ	EQUAL	RM	ROOM
FALLID		RO	ROUGH OPENING
-	EQUIPMENT		
EWC	ELECTRIC WATER COOLER	SCHED	SCHEDIII E
-	ELECTRIC WATER COOLER	SCHED SECT	SCHEDULE SECTION
EWC EX/EXIST	ELECTRIC WATER COOLER EXISTING	SECT	SECTION
EWC	ELECTRIC WATER COOLER		
EWC EX/EXIST EXT	ELECTRIC WATER COOLER EXISTING EXTERIOR	SECT SHT	SECTION SHEET
EWC EX/EXIST EXT ETR	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN	SECT SHT SIM	SECTION SHEET SIMILAR
EWC EX/EXIST EXT ETR FCBP FD FEC	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET	SECT SHT SIM SPEC STD STL	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR	SECT SHT SIM SPEC STD STL SS, ST. STL.	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR STRUCT	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE STRUCTURAL
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR FRM	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR FIRE RESISTIVE MATERIAL	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR STRUCT SSG	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE STRUCTURAL STRUCTURAL SILICONE GLAZING
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR FRM	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR FIRE RESISTIVE MATERIAL	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR STRUCT	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE STRUCTURAL
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR FRM FT	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR FIRE RESISTIVE MATERIAL FOOT OR FEET	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR STRUCT SSG	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE STRUCTURAL STRUCTURAL SILICONE GLAZING TOP OF CONCRETE
EWC EX/EXIST EXT ETR FCBP FD FEC FIN FLR FIN FLR FRM FT GALV	ELECTRIC WATER COOLER EXISTING EXTERIOR EXISTING TO REMAIN FIBER CEMENT BOARD PANEL FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR FIRE RESISTIVE MATERIAL FOOT OR FEET GALVANIZED	SECT SHT SIM SPEC STD STL SS, ST. STL. STOR STRUCT SSG TOC TOS	SECTION SHEET SIMILAR SPECIFICATION STANDARD STEEL STAINLESS STEEL STORAGE STRUCTURAL STRUCTURAL SILICONE GLAZING TOP OF CONCRETE TOP OF STEEL
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STOWE MOUNTAIN RESORT PARKING LOT STAIRS

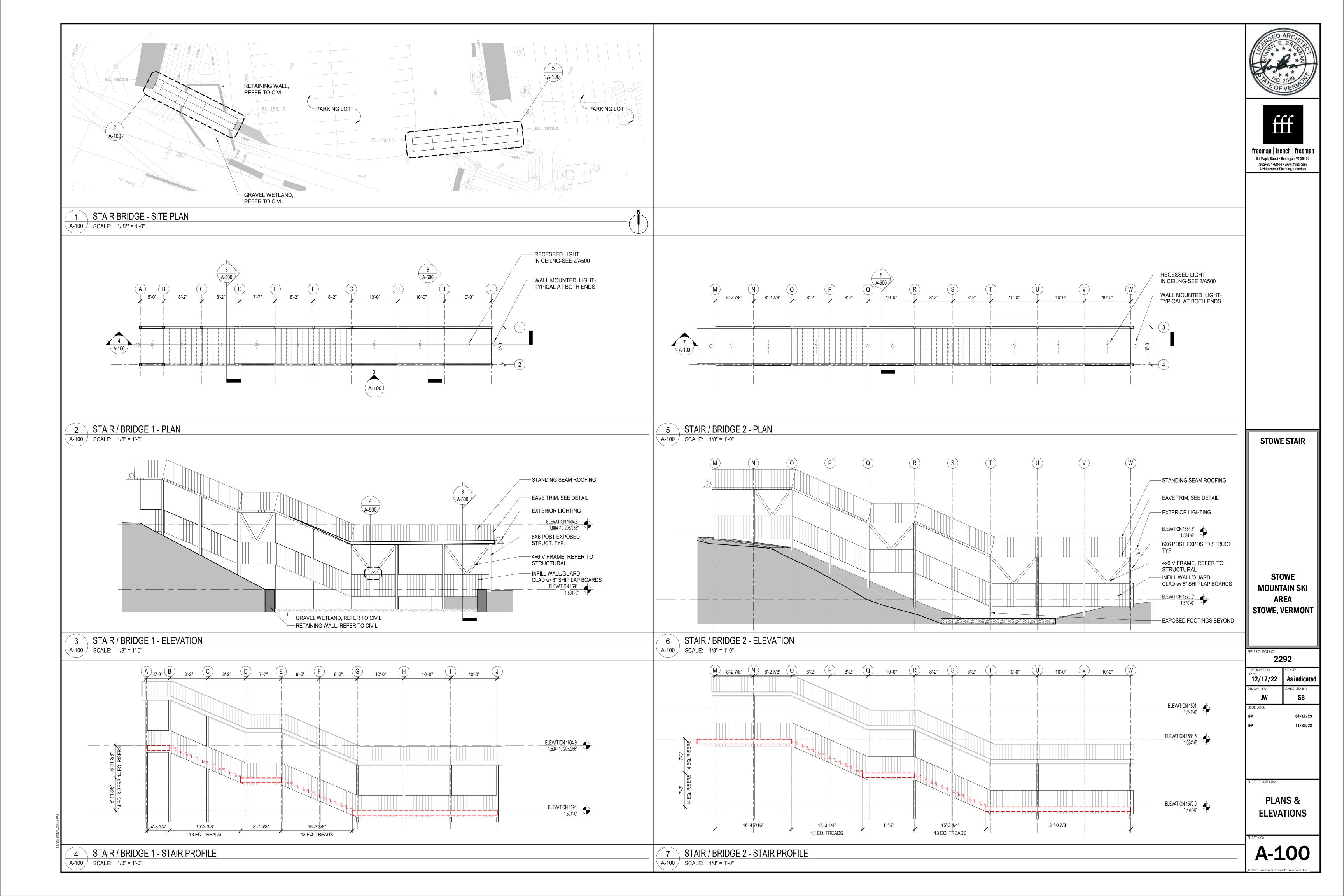


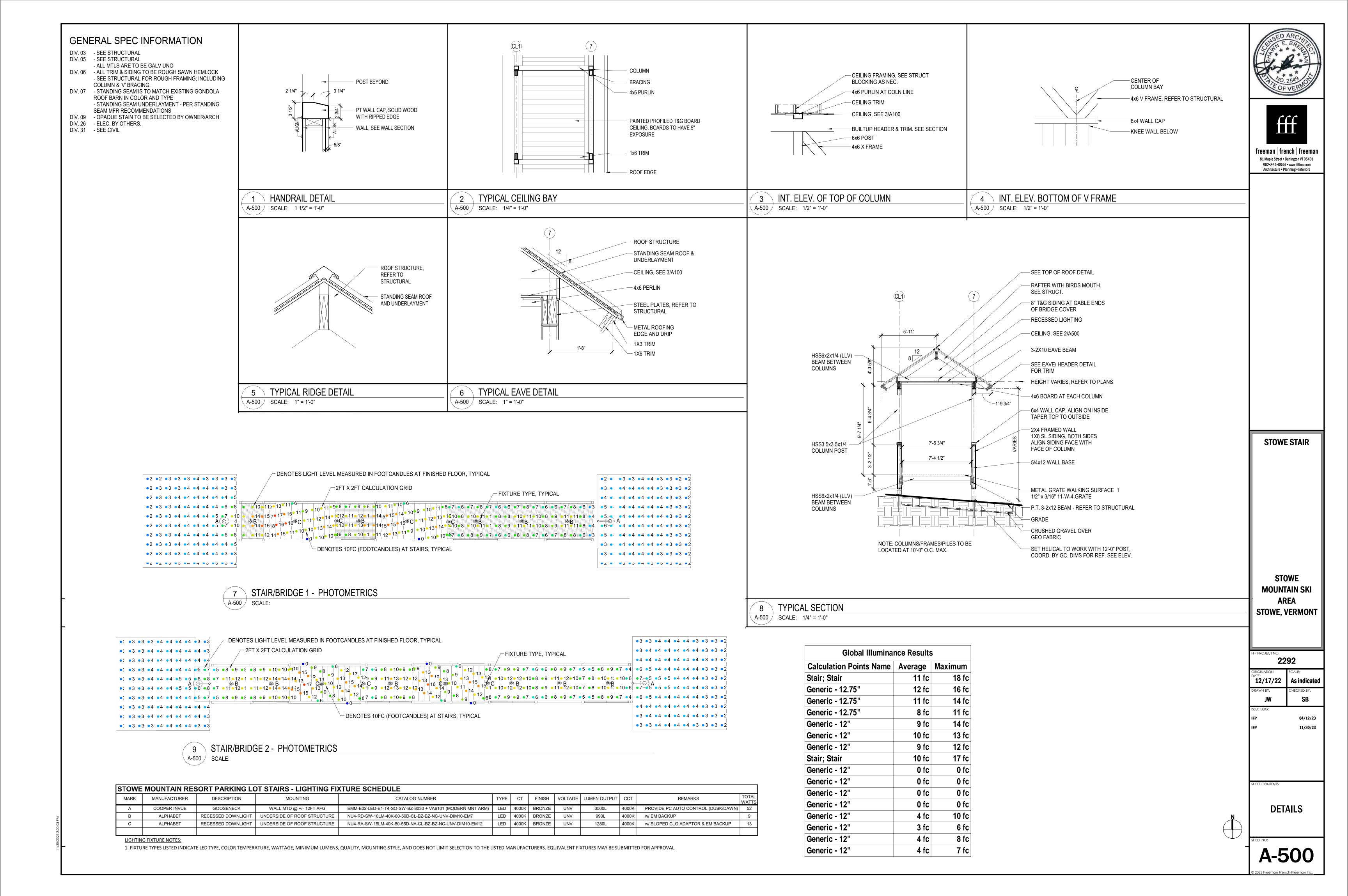
81 Maple Street = Burlington VT 05401 802=864=6844 = www.fffinc.com Architecture = Planning = Interiors

LOCATION MAP



MATERIALS LEGEND SECTION / DETAIL CALL-OUT MODIFIER DETAIL NUMBER SHEET NUMBER SHEET NUMBER ROOM TAG - SEE A900 FOR FINISHES ROOM NUMBER ROOM NUMBER WALL TAG - SEE SHEETS A003, A004 WALL TYPE WHERE A WALLTYPE LEADER PASSES THROUGH 2 OR MORE WALLS, ALL OF THOSE WALLS SHALL BE OF THE TYPE INDICATED. DOOR TAG - SEE SHEET A800 DOOR NUMBER WINDOW OR CURTAINWALL TAG SEE SHEET A700 WINDOW OR CURTAINWALL TYPE ELEVATION MARK ERVISION MARK REVISION NUMBER NORTH ARROW	METAL STUD FRAMING CONCRETE MASONRY - BRICK MASONRY - CMU BATT INSULATION RIGID FOAM INSULATION RIGID MINERAL FIBER INSULATION SPRAY FOAM INSULATION EARTH GYPSUM BOARD STEEL ALUMINUM CRUSHED STONE PLYWOOD	1. ALL WORK TO BE DONE IN ACCORDANCE WITH STATE AND LOCAL CODES AND ORDINANCES. 2. ALL WORK PERFORMED TO BE OF ACCEPTED INDUSTRY STANDARDS AND PRACTICES GOVERNING THE HIGHEST DEFINED QUALITY OF WORKMANSHIP. 3. CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH THE OWNER AND THOSE SCHEDULED WITHIN THESE DOCUMENTS. 4. FIRE PROTECTION DEVICES, FIRE ALARM DEVICES, EXIT SIGNS AND EMERGENCY LIGHTING ARE TO BE LOCATED AS DIRECTED AND REQUIRED BY CODE AND / OR AUTHORITIES HAVING JURISDICTION. 5. ALL EXTERIOR WOOD BLOCKING AND ALL WOOD IN CONTACT WITH CONCRETESLABS AND / OR MASONRY TO BE PRESSURE TREATED. 6. CONTRACTOR TO VERIFY LAYOUT AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND TO CONSULT WITH THE ARCHITECT REGARDING ANY DISCREPANCIES THAT EXIST WITHIN THESE CONSTRUCTION DOCUMENTS. 7. CONTRACTOR TO COORDINATE WITH THE OWNER FOR ANY ITEMS TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. 8. CONTRACTOR IS RESPONSIBLE FOR PERMITS, FEES, ETC. ASSOCIATED WITH THE EXECUTION AND COMPLETION OF THE WORK AS DEFINED IN THE CONTRACT. 9. PROVIDE FIRE TREATED WOOD BLOCKING IN PARTITIONS AS REQUIRED FOR MOUNTING OF CABINETS, SHELVING, GRAB BARS, TACK BOARDS, ETC. 10. ALL WOOD FRAMING/ BLOCKING AND UNIT MASONRY SIZES ARE NOMINAL, UNO. 11. ALL EXPOSED INTEROR STEEL TO BE PAINTED, EXPOSED EXTERIOR STEEL TO BE GALVANIZED, UNO. 12. ALL INTERIOR PLAN DIMENSIONS ARE FROM FINISHED FACE OF WALLS, UNO. 13. WHERE WALLS OR PARTITIONS ON EITHER SIDE OF A DOOR ARE SHOWN AS SOUND, SMOKE, OR FIRE RATED, THE WALL OR PARTITION ON EITHER SIDE OF A DOOR ARE SHOWN AS SOUND, SMOKE, OR FIRE RATED, THE WALL OR PARTITION ON EITHER SIDE OF A DOOR ARE SHOWN AS SOUND, SMOKE, OR FIRE RATED, THE WALL OR PARTITION ON EITHER SIDE OF A DOOR ARE SHOWN AS SOUND, SMOKE, OR FIRE RATED, THE WALL OR PARTITIONS ON EITHER SIDE OF A DOOR ARE SHOWN ON SOUND, SMOKE, OR FIRE ADJACENT WALLS AND PARTITIONS, UNLESS OTHERWISE NOTED. 14. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO EACH OTHER AS DEFINED IN THE ACONTRACTOR. THE CONTRACTOR IS RESPONSIBLE F	ACHITECTURAL A-100 PLANS & ELEVATIONS A-500 DETAILS STRUCTURAL S1.0 GENERAL NOTES & DETAILS S1.1 STAIR / BRIDGE FLOOR AND ROOF PLANS
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1 GENERAL:

- 1.1 ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER, AND IN STRICT ACCORDANCE WITH THE "VERMONT FIRE & BUILDING SAFETY CODE - 2015" (WHICH INCORPORATES IBC 2015 WITH LATEST SUPPLEMENTS), AND LOCAL CODES AND ORDINANCES.
- 1.2 BEFORE ORDERING MATERIALS, CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUDING ARCHITECTURAL, STRUCTURAL, MEP, CIVIL, LANDSCAPE, SUBCONTRACTORS SHOP DRAWINGS, AND OTHER RELATED DOCUMENTS, TO VERIFY AND COORDINATE DIMENSIONS, LOCATIONS, PLACEMENT, AND APPLICABILITY OF BUILDING COMPONENTS. THE CONTRACTOR SHALL MAKE FIELD CHECKS TO VERIFY THE ACCURACY OF DIMENSIONS, TOPOGRAPHY, AND OTHER EXISTING CONDITIONS. IF THERE IS ANY DISCREPANCY IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER AS SOON AS POSSIBLE
- 1.3 DEPRESS SLABS FOR FLOOR FINISHES PER ARCHITECTURAL DRAWINGS. MAINTAIN FULL SLAB THICKNESS.
- 1.4 SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 1.5 CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, AND UTILITY LINES FROM ALL DAMAGE.
- 1.6 CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF STRUCTURAL MEMBERS, WALLS, AND NON-STRUCTURAL ITEMS DURING CONSTRUCTION.
- 1.7 BUILDING IS DESIGNED FOR THE FOLLOWING LIVE LOADS:

FLOOR LIVE LOADS: STAIRS & WALKWAYS

ROOF LIVE LOADS:

ROOF SNOW LOADS:

WIND DESIGN DATA:

SNOW LOAD GOVERNS

GROUND SNOW LOAD, F 70 PSF FLAT ROOF SNOW LOAD, P 58.8 PSF SNOW EXPOSURE FACTOR, Ce SNOW LOAD IMPORTANCE FACTOR, Is THERMAL FACTOR, C+

ULTIMATE DESIGN WIND SPEED, Vult (3 SECOND GUST)

115 MPH NOMINAL DESIGN WIND SPEED, Vasd 90 MPH RISK CATEGORY WIND EXPOSURE INTERNAL PRESSURE COEFFICIENT 17.7 PSF COMPONENTS AND CLADDING

- 1.8 THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE ENGINEER; THUS, PROVIDING ANY INFORMATION REQUIRED OF THE FABRICATOR SUCH AS FIELD DIMENSIONS, ELEVATIONS, ETC. OTHERWISE THE SHOP DRAWINGS WILL BE REJECTED UNTIL SUCH INFORMATION IS FURNISHED BY THE CONTRACTOR.
- 1.9 THE CONTRACTOR SHALL THOROUGHLY CLEAN THE PREMISES AT COMPLETION OF WORK AND AT TIMES AS DIRECTED BY THE OWNER. LEGALLY DISPOSE OF EXCESS MATERIAL OFF SITE.
- 1.10 JOB-SITE SAFETY CONDITIONS, INCLUDING, BUT NOT LIMITED TO, LATERAL STABILITY AND WIND BRACING, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 1.11 SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM THE BUILDING. CONTRACTOR IS RESPONSIBLE FOR FOUNDATION DRAINS, CURTAIN DRAINS, WEEP HOLES. WATER STOPS. AND WATERPROOFING AS SHOWN AND AS NECESSARY. DRAIN LINES OR WEEP HOLES, IF SHOWN ON THIS PLAN, SERVE ONLY AS A REMINDER

2 SOILS/GEOTECHNICAL:

- 2.1 ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL HAVING A MINIMUM BEARING CAPACITY OF 3,000 PSF, OR ON WELL COMPACTED STRUCTURAL FILL PLACED IN A CONTROLLED MANNER AS SPECIFIED, OR ON SOUND LEVEL ROCK. IT IS ASSUMED THAT THIS WILL BE ATTAINED AT A MINIMUM DEPTH OF 5'-0" BELOW FINISHED EXTERIOR GRADE OR AT THE ELEVATION NOTED ON THE PLANS - LOWER AS NECESSARY. NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS ENCOUNTERED.
- 2.2 THE NATIVE SOIL BELOW ALL FOOTINGS SHALL BE PROOF-ROLLED.
- 2.3 ALL FILL MATERIAL PLACED WITHIN THE STRUCTURE FOOTPRINT AND EXTENDING OUT 5'-0" MINIMUM BEYOND THE STRUCTURE PERIMETER SHALL BE WELL COMPACTED, FREE DRAINING, STRUCTURAL FILL.
- 2.4 STRUCTURAL FILL SHALL BE CLEAN, NON-FROST SUSCEPTIBLE SAND AND GRAVEL FREE OF ORGANICS AND OTHER DELETERIOUS MATERIALS MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER BY WEIGHT
3 INCH	100
NO. 4	45 TO 75
NO. 100	0 TO 12
NO 200	0 TO 6

- 2.5 ALL STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 8" IN THICKNESS AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D
- 2.6 CRUSHED STONE SHALL BE CRUSHED, WASHED, HARD, DURABLE ROCK MEETING THE GRADATION REQUIREMENTS FOR ASTM D-448, NO. 67 STONE.
- 3 CONCRETE: 3.1 ALL CONCRETE AND REINFORCING WORK SHALL BE IN STRICT ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318_14)". EXTERIOR CONCRETE AND FOUNDATION WALLS SHALL BE
- AIR-ENTRAINED WITH AIR CONTENT OF 6% ± 1.5%. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. SUBMIT CONCRETE MIX DESIGN FOLLOWING PROCEDURES OUTLINED IN THE FLOW CHART IN CHAPTER 5 OF ACI 318 FOR REVIEW OF ENGINEER. CONTRACTOR SHALL TAKE 4 TEST CYLINDERS OF CONCRETE FOR EACH 50 CUBIC YARDS OF CONCRETE OR FOR EACH DAYS POUR IF LESS THAN 50 C.Y. TESTING WILL BE AT OWNER'S EXPENSE.

3.2 MAXIMUM W/C RATIOS AS FOLLOWS: 3000 psi CONCRETE: 0.55

- 3.3 CONCRETE SHALL BE PROTECTED FROM FREEZING. CONTRACTOR SHALL FOLLOW THE "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING (ACI 306R-16, LATEST EDITION).
- 3.4 ALL CONCRETE SHALL BE PLACED IN THE DRY PUMP AS NECESSARY.
- 3.5 CONCRETE SHALL BE SO PROPORTIONED SO AS TO HAVE A MAXIMUM SLUMP OF 4", EXCEPT CONCRETE SPECIFIED TO HAVE A PLASTICIZER SHALL HAVE A SLUMP OF 2" +OR- 1".
- 3.6 THE CONCRETE CONTRACTOR SHALL INSTALL (OR GIVE OTHER TRADES AMPLE OPPORTUNITY TO INSTALL) ALL ANCHOR BOLTS, ANCHORS, PLATES, NAILERS, SLOTS, CHASES, PIPE SLEEVES, DUCT OPENINGS, ETC., AS REQUIRED BY OTHER TRADES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREEDS AND FORMS. FORM RELEASE OIL SHALL BE AN APPROVED NON-TOXIC

3.7 CHAMFER EDGES OF EXPOSED BEAMS AND COLUMNS.

- 3.8 CURING: HORIZONTAL SURFACES SHALL BE KEPT CONTINUOUSLY MOIST OVER ENTIRE SURFACE FOR SEVEN DAYS WHEN WATER CURING IS USED. VERTICAL SURFACES SHALL RECEIVE 2 COATS (ONE AT TIME OF STRIPPING AND ANOTHER 3 DAY LATER) OF AN APPROVED NON-TOXIC LIQUID CURING COMPOUND.
- 3.9 ALL WALLS SHALL BE ADEQUATELY BRACED TO WITHSTAND BACKFILLING AND CONSTRUCTION LOAD PRESSURES. WALLS MUST BE AT LEAST SEVEN DAYS OLD BEFORE BACKFILLING.
- 3.10 DURING PLACEMENT OF CONCRETE, USE TREMIE OR OTHER MEANS TO LIMIT FREE-FALL OF CONCRETE TO 5 FEET.
- 3.11 CONCRETE SHALL BE CONSOLIDATED BY VIBRATION, SPADING, OR RODDING SO THE CONCRETE IS THOROUGHLY WORKED AROUND THE REINFORCEMENT, EMBEDDED ITEMS, AND INTO CORNERS OF FORMS, ELIMINATING ALL AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING. (CARE SHALL BE TAKEN NOT TO OVER VIBRATE AND CAUSE SEGREGATION).

4 REINFORCING STEEL:

4.1 REINFORCING STEEL SHALL BE NEW BILLET STEEL, ASTM A615, Fy=60 KSI. SUBMIT SHOP DRAWINGS FOR REVIEW OF ENGINEER.

- 4.2 THE MINIMUM CLEAR DISTANCE FROM REINF. STEEL TO ADJACENT SURFACE SHALL BE: 3" FROM BOT. OF FOOTINGS AND GRADE BEAMS; 1_1/2" (2" FOR #6 OR LARGER) FROM FACE OF WALLS AND GRADE BEAMS EXPOSED TO EARTH OR WEATHER, 3/4" FROM INSIDE FACE; AND 2" FOR SLAB ON GRADE.
- 4.3 LAP ALL BARS AS SHOWN IN THE LAP SCHEDULE. TOP BARS TO BE LAPPED AT MIDSPAN, AND BOTTOM BARS AT SUPPORTS.
- 4.4 REINFORCEMENT SHALL BE SECURELY TIED IN ITS PROPER PLACE BEFORE AND DURING CONCRETE PLACEMENT OPERATIONS USING APPROVED TIES, CHAIRS, AND SPACERS AS REQUIRED. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER. USE PLASTIC TIPPED ACCESSORIES IN CONCRETE EXPOSED TO WEATHER, WATER, OR VIEW.
- 4.5 WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED OR OTHERWISE REQUIRED THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTION WALLS AND LAPPED AT NECESSARY SPLICES WITH SPLICES STAGGERED WHEREVER POSSIBLE

5 CONCRETE ACCESSORIES

- 5.1 CAST-IN-PLACE ANCHOR RODS SHALL BE MADE FROM ASTM F1554, GRADE 36 MATERIAL UNLESS OTHERWISE NOTED. ANCHOR ROD DIAMETERS, MINIMUM EMBEDMENT LENGTHS AND PROJECTION LENGTHS SHALL BE AS SPECIFIED ON THE DRAWINGS.
- 5.2 POST-INSTALLED ANCHOR RODS (ALLOWED ONLY WHERE NOTED ON THE DRAWINGS) SHALL BE MADE FROM ASTM A36 MATERIAL UNLESS OTHERWISE NOTED. ANCHOR ROD DIAMETERS. MINIMUM EMBEDMENT LENGTHS AND PROJECTION LENGTHS SHALL BE AS SPECIFIED ON THE DRAWINGS. RODS SHALL BE ATTACHED TO THE CONCRETE WITH HILTI HIT-RE 500-V3 EPOXY ADHESIVE. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

6 STRUCTURAL STEEL:

1.2

- 6.1 TUBE COLUMNS SHALL BE ASTM A500, GRADE B, Fy=46 KSI. ALL REMAINING STRUCTURAL STEEL SHALL BE ASTM A36. UNLESS OTHERWISE NOTED. ALL BOLTING SHALL BE 3/4" DIA. A325 SLIP-CRITICAL (WHERE SPECIFIED)/SNUG TIGHT HIGH STRENGTH BOLTS. SHOP CONNECTIONS SHALL BE PRE-QUALIFIED WELDS USING E_70 ELECTRODES BY AWS CERTIFIED WELDERS, OR BOLTED. FIELD CONNECTIONS SHALL BE BOLTED, U.O.N. ALL STRUCTURAL STEEL WORK SHALL BE IN STRICT ACCORDANCE WITH THE A.I.S.C "MANUAL OF STEEL CONSTRUCTION" LATEST EDITION. ALL STEEL SHALL RECEIVE ONE COAT OF RUST INHIBITIVE PRIMER. SUBMIT SHOP DRAWINGS FOR REVIEW OF ENGINEER.
- 6.2 ALL WELDING WHETHER FIELD OR SHOP SHALL BE PREQUALIFIED WELDS WITH E_70 ELECTRODES BY AWS PREVIOUSLY CERTIFIED WELDERS.
- 6.3 CONNECTIONS MAY BE DESIGNED FOR THE REACTIONS SHOWN ON THE DRAWINGS. IF THE REACTIONS ARE NOT SHOWN THEY WILL BE PROVIDED AT THE REQUEST OF THE FABRICATOR.
- 6.4 STEEL LINTELS AND STEEL EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. ANY GALVANIZED SURFACE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH ZRC PAINT.

7 WOOD FRAMING:

- 7.1 WOOD FRAMING WORK SHALL BE IN ACCORDANCE WITH STATE CODE WHICH INCORPORATES NDS-2015, "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" PRODUCED BY THE AMERICAN WOOD COUNCIL. ALL LUMBER SHALL BE AGENCY GRADE STAMPED OF THE SPECIES AND GRADE INDICATED IN THE PROJECT SPECIFICATIONS OR HEREIN.
- 7.2 FRAMING SAWN LUMBER SHALL BE SPRUCE-PINE-FIR NO. 1/NO.2 AND/OR SOUTHERN PINE NO. 1. NO MIXTURE OF LOWER GRADES WITHIN THE SPECIES WILL BE ALLOWED. SAWN LUMBER SHALL BE KILN DRIED TO 19% MOISTURE
- 7.3 NAIL 2-MEMBER BEAMS WITH 1 ROW OF 16d AT 12" O.C. FOR EVERY 3" OF MEMBER DEPTH. AND 3-MEMBER BEAMS WITH 1 ROWS OF 16d @ 12" ON EACH SIDE FOR EVERY 3" OF MEMBER DEPTH.
- 7.4 UNLESS OTHERWISE SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE COMPLETED BY THE FABRICATOR FOR THE REACTIONS INDICATED THUS ON THE DRAWINGS. CONNECTIONS SHALL BE DESIGNED AND SEALED BY A LICENCED. STRUCTURAL ENGINEER. SUBMIT DETAILS FOR APPROVAL OF THE ARCHITECT.
- 7.5 CONNECTION MATERIAL, BOLTS, NUTS, AND WASHERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE-TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED. EXTERIOR SIMPSON PRODUCTS IN CONTACT WITH PRESSURE TREATED MATERIALS SHALL BE Z MAX COATED. ALL OTHER CONNECTIONS SHALL
- 7.6 COLUMNS SHALL BE CONTINUOUS. FRAME BEAMS INTO SIDES OF COLUMNS, EXCEPT AT CANTILEVERED BEAMS.
- 7.7 UNLESS OTHERWISE NOTED, THE MINIMUM NAILING SHALL BE IN ACCORDANCE WITH THE "FASTENING SCHEDULE", TABLE 2304.10.1 OF THE STATE CODE.
- 7.8 ALL JOISTS FRAMING INTO BEAMS OR COLUMNS SHALL BE SUPPORTED ON CODE APPROVED METAL HANGERS. NAILING SHALL BE PER MANUFACTURER'S
- 7.9 CONTRACTOR SHALL TAKE EXTRA CARE TO ASSURE THAT UPPER LEVEL LOAD BEARING WALLS AND POSTS CAN TRANSFER THEIR LOADS TO THE SUPPORTS DIRECTLY BELOW THEM. (INSTALL ALL BLOCKING OR STUB COLUMNS BELOW FLOOR DECKING.)
- 7.10 ALL CEILING, BEAM, AND PLATE HEIGHTS SHOWN ON THESE PLANS ARE NOMINAL AND APPROXIMATE DIMENSIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL OF THE DIMENSIONS AND TO DETERMINE THE EXACT HEIGHTS AND LOCATIONS OF ALL BUILDING COMPONENTS.

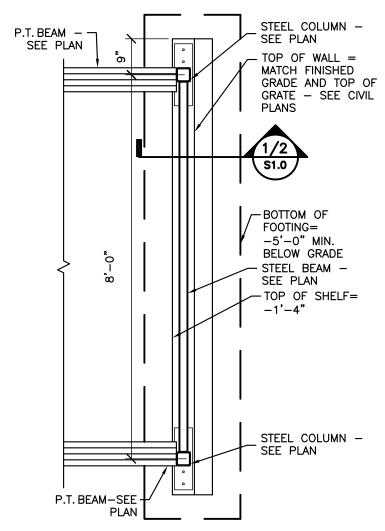
8 STRUCTURAL PANELS

- 8.1 ALL ROOF PANELS SHALL BE 5/8" APA RATED 40/20 PLYWOOD OR "ADVANTECH" SHEATHING. NAIL ALL PLYWOOD EDGES WITH 10d COMMON NAILS AT 6" O.C. UNLESS OTHERWISE NOTED IN SHEAR WALL SCHEDULE. INTERMEDIATE NAILING SHALL BE 10d COMMON NAILS AT 10" O.C. MINIMUM.
- 8.2 ALL WALL PANELS SHALL BE 1/2" APA RATED 24/0 EXTERIOR PLYWOOD OR "ADVANTECH" SHEATHING. NAIL ALL PLYWOOD EDGES WITH 8d COMMON NAILS AT 6" O.C. UNLESS OTHERWISE NOTED IN SHEAR WALL SCHEDULE. INTERMEDIATE NAILING SHALL BE 8d COMMON NAILS AT 12" O.C. MINIMUM.

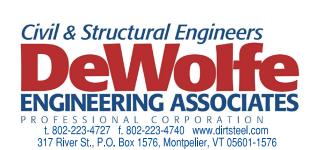
9 HELICAL ANCHORS

- 9.1 HELICAL ANCHOR SYSTEM SHALL BE AS MANUFACTURED BY CHANCE, OR APPROVED EQUIVALENT.
- 9.2 ALL STEEL ANCHOR COMPONENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM 123 FOR STRUCTURAL AND ASTM A153 FOR HARDWARE. ANY GALVANIZED SURFACE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH ZRC PAINT CONTAINING NOT LESS THAN 95% ZINC
- 9.3 TUBE SHAFT COMPONENTS SHALL HAVE THE FOLLOWING PROPERTIES:
- MATERIAL: ASTM A500, GRADE B/C DIAMETER: 2 7/8" WALL THICKNESS: 0.276" (MINIMUM) YIELD STRENGTH: 50 KSI (MINIMUM) ULTIMATE TENSION STRENGTH: 90,000 LBS ULTIMATE TORSIONAL STRENGTH: 8,000 FOOT*LBS
- 9.4 HELIX BLADES SHALL HAVE THE FOLLOWING PROPERTIES: MATERIAL: ASTM A572, GRADE 50 YIELD STRENGTH = 50 KSI (MINIMUM) THICKNESS: 3/8" MINIMUM GEOMETRY: TRIPLE HELIX SPACING: AS SHOWN ON PLANS
- 9.5 BEAM BRACKETS SHALL HAVE THE FOLLOWING PROPERTIES: MATERIAL: ASTM A36 (MINIMUM) SIZE: AS SHOWN ON THE DRAWINGS
- 9.6 COUPLING BOLTS SHALL BE ASTM A325 BOLTS WITH NUTS.
- 9.7 INSTALLATION OF ALL HELICAL ANCHOR COMPONENTS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 9.8 ALL STRUCTURAL STEEL WORK SHALL BE IN STRICT ACCORDANCE WITH THE A.I.S.C. "MANUAL OF STEEL CONSTRUCTION" LATEST EDITION.
- 9.9 SHOP WELDING SHALL BE PREQUALIFIED WELDS WITH E-70 ELECTRODES BY AWS CERTIFIED WELDERS. FIELD WELDING WILL NOT BE ALLOWED.

- 9.10 INSTALLATION REQUIREMENTS FOR VERTICAL ANCHORS: MINIMUM INSTALLATION TORQUE REQUIRED: AS NECESSARY TO ACHIEVE DESIGN MINIMUM EMBEDMENT DEPTH INTO SAND: HIGHEST HELIX 5'-0" OR MORE BELOW
- 9.11 INSTALLATION REQUIREMENTS FOR SLOPED BRACE ANCHORS: MINIMUM INSTALLATION TORQUE REQUIRED: AS NECESSARY TO ACHIEVE DESIGN MINIMUM EMBEDMENT DEPTH INTO SAND: HIGHEST HELIX 5'-0" OR MORE BELOW



TYPICAL ABUTMENT PLAN SCALE: ½"=1'-0"



REINFORCING SPLICE LENGTHS Fy=60 KSI F'c=3 KSI TOP BARS OTHER BARS TOP BARS OTHER BARS 13" 15" 12" 4 23" 18" 20" 28" 22" 25" 19" 6 34" 26" 29" 23" 49" 38" 43" 33" 8 43" 49" 63" 55" 48" 42" 9

SEE PLAN AND DETAILS FOR WALKWAY FRAMING

LEVELING PLATE ON

TOP OF ¾" GROUT

4-#5 BARS-

SCALE: $\frac{1}{2}$ "=1'-0"

VERTICAL E.F.

- STEEL COLUMN-SEE PLAN

FINISH GRADE

COMPACTED

EXTENT OF EXCAVATION-

AND STRUCTURAL FILL

PROVIDE 1'-0" OF

CRUSHED STONE WRAPPED

IN FILTER FABRIC BELOW

FOOTING. EXTEND 1'-0"

BEYOND FOOTING ON ALL

T.O.S. TOP OF SLAB

DIM. DIMENSION

T.O.W. TOP OF WALL

T.O.SH. TOP OF SHELF

E.O.D. EDGE OF DECK

E.O.S. EDGE OF SLAB

E.W. EACH WAY

F.O.C. FACE OF CONCRETE

T.C.X. TOP CHORD EXTENSION

U.O.N. UNLESS OTHERWISE NOTED

NOTE: AT 2-PLY MEMBERS, USE 16dx2\frac{1}{2}

— GLUE PLYS—

COMMON NAILS

ROW @ 12" O.C.

EACH FACE

C.J. SLAB CONTROL JOINT

ELEVATION

ABBREVIATIONS

F.D.

DIA.

CL.

LLV

LLH

F.V.

1-ROW 16d COMMON NAILS FOR EVERY 3">

OF BEAM DEPTH - SPACE NAILS IN A

4-ROWS @ 12" O.C. FOR $11\frac{7}{8}$ " M/L)

NOTE: UNLESS OTHERWISE NOTED EVERY PLY OF MULTI-PLY MEMBERS SHALL BE CONTINUOUS TO

TYPICAL MULTI-PLY

MEMBER NAILING

(i.e., 3-ROWS @ 12" O.C. FOR $9\frac{1}{2}$ " M/L,

DWGS.

DRAWINGS

LIGHT GAUGE

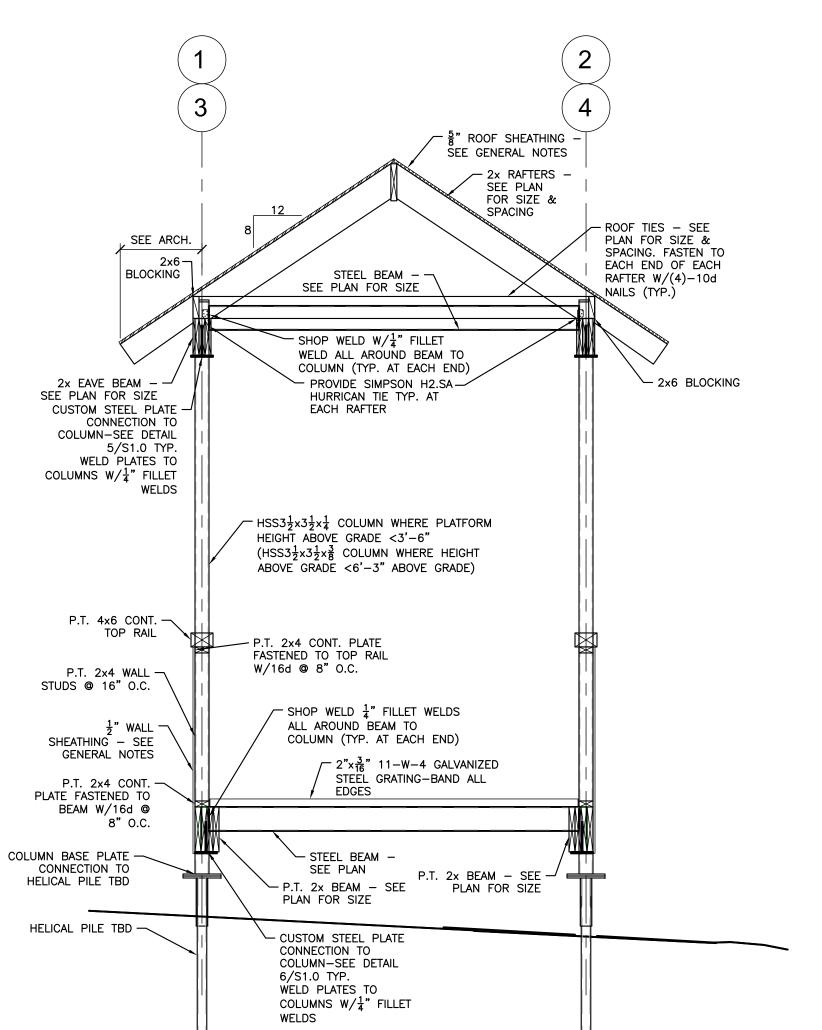
FIELD VERIFY

FILL

E.F. HORIZONTAL

TYPICAL ABUTMENT SECTION (1)

CHART BASED ON THE FOLLOWING: BAR SPACING 5" MINIMUM CLEAR COVER 2 BAR DIAMETERS MINIMUM REFER TO ACI 318-14 FOR OTHER CONDITIONS TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BAR.



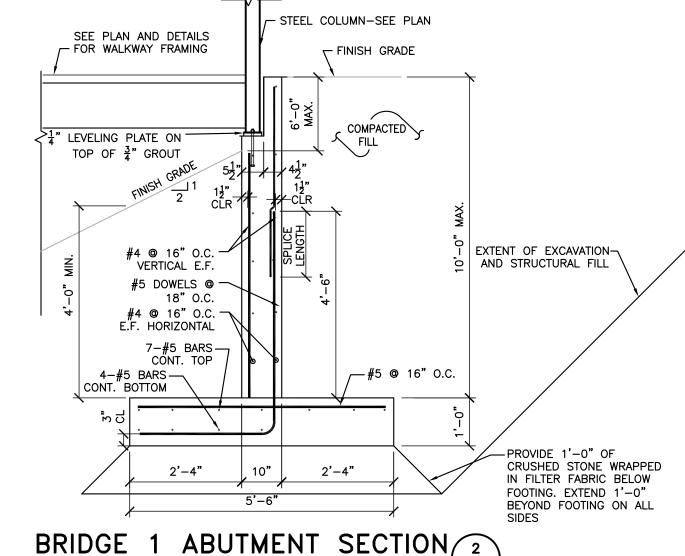
TYPICAL WALKWAY DETAIL

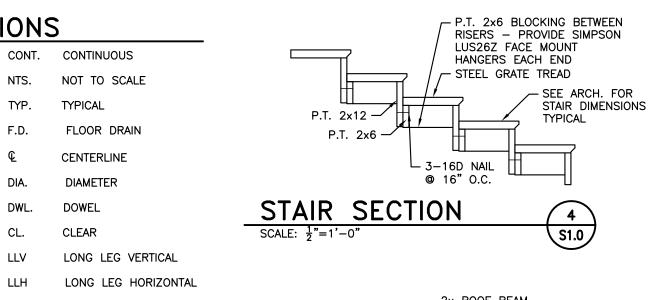
CUSTOM STEEL -PLATE CONNECTION TO COLUMN -SEE 5/S1.0 TYP. $HSS3\frac{1}{2}x3\frac{1}{2}x\frac{1}{4}$ COLUMN WHERE PLATFORM — HEIGHT ABOVE GRADE <3'-6" (HSS3 1/2 x 3/2 x 3/2 COLUMN WHERE HEIGHT ABOVE GRADE <6'-3" ABOVE GRADE) FASTEN SHEATHING TO WALL FRAMING -PER GENERAL NOTES - PROVIDE BLOCKING @ PANEL EDGES. FASTEN LAST STUD TO COLUMN $W/\frac{1}{2}\phi$ THREADED STUDS @ 12" O.C. (4 STUDS MIN.) P.T. 2-2x4 STUDS CENTERED BELOW BRACE CONNECTION

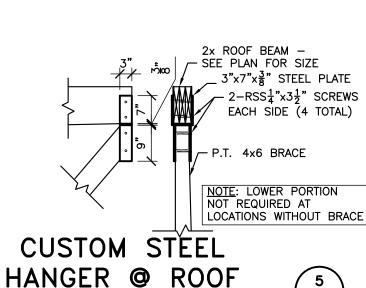
6/S1.0 TYP.

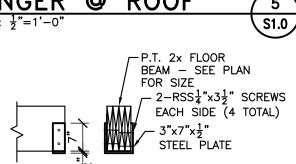
TYPICAL WALKWAY ELEVATION @ BRACE /7

W/16d @ 8" O.C.

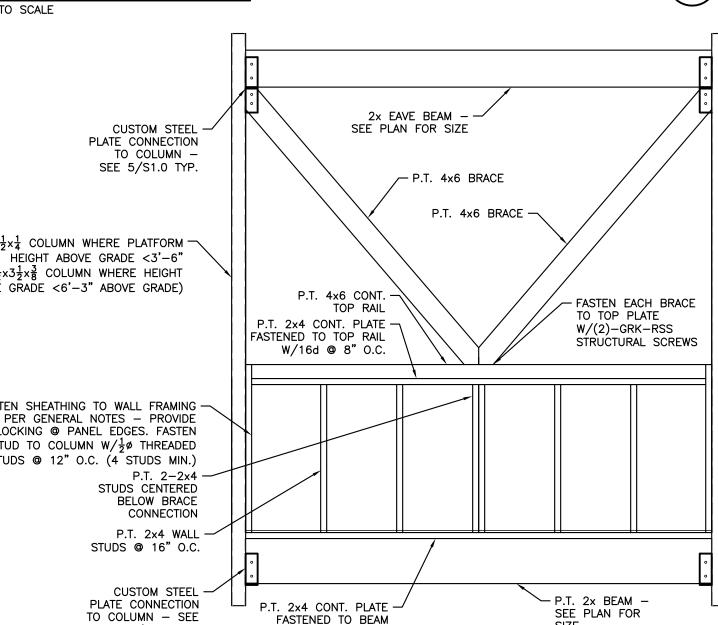




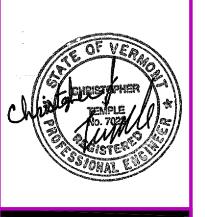




CUSTOM STEEL HANGER @ ROOF







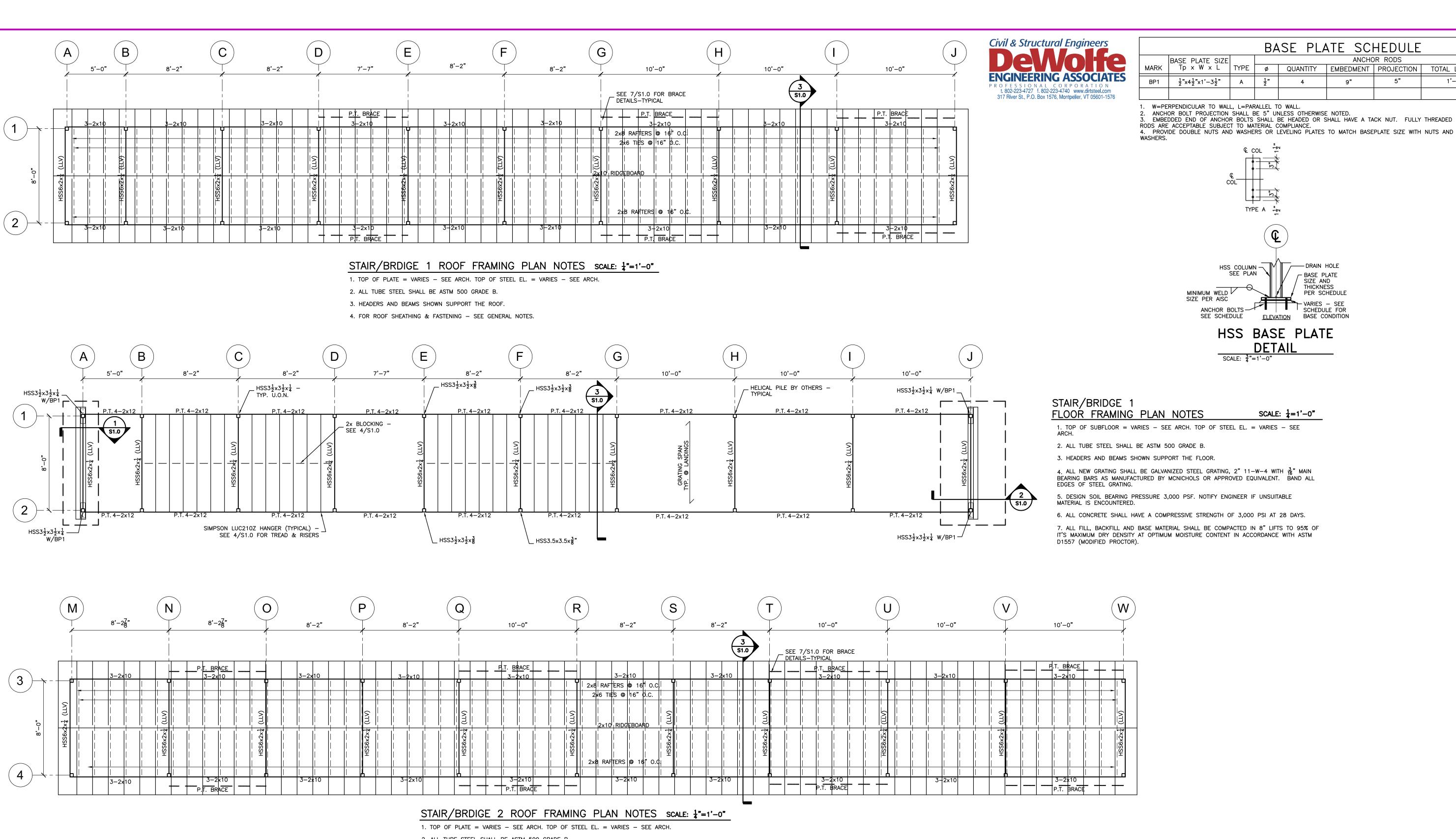
STOWE STAIR

STOWE MOUNTAIN SKI AREA

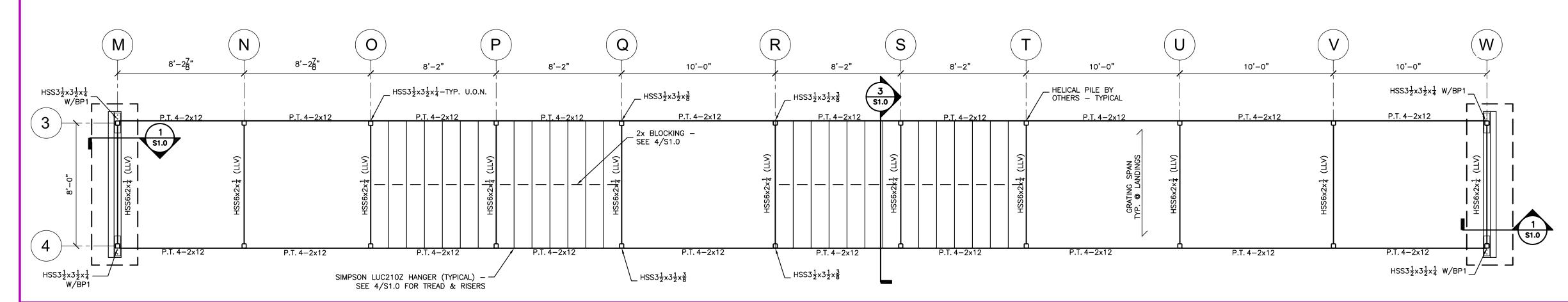
STOWE, VERMONT

2292 RIGINATION 04/12/23 As indicated HECKED BY:

> **GENERAL** NOTES & **DETAILS**



- 2. ALL TUBE STEEL SHALL BE ASTM 500 GRADE B.
- 3. HEADERS AND BEAMS SHOWN SUPPORT THE ROOF.
- 4. FOR ROOF SHEATHING & FASTENING SEE GENERAL NOTES.



STAIR/BRIDGE 2

FLOOR FRAMING PLAN NOTES

SCALE: $\frac{1}{4} = 1' - 0''$

1. TOP OF SUBFLOOR = VARIES - SEE ARCH. TOP OF STEEL EL. = VARIES - SEE

2. ALL TUBE STEEL SHALL BE ASTM 500 GRADE B.

3. HEADERS AND BEAMS SHOWN SUPPORT THE FLOOR.

4. ALL NEW GRATING SHALL BE GALVANIZED STEEL GRATING, 2" 11-W-4 WITH $\frac{3}{16}$ " MAIN BEARING BARS AS MANUFACTURED BY MCNICHOLS OR APPROVED EQUIVALENT. BAND ALL EDGES OF STEEL GRATING.

5. DESIGN SOIL BEARING PRESSURE 3,000 PSF. NOTIFY ENGINEER IF UNSUITABLE MATERIAL IS ENCOUNTERED.

6. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. 7. ALL FILL, BACKFILL AND BASE MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF IT'S MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR).



TOTAL LENGTH

1'-2"



STOWE STAIR

STOWE MOUNTAIN SKI AREA

STOWE, VERMONT

2292 RIGINATION 04/12/23 As indicated

STAIR/BRIDGE

FOUNDATION & FRAMING PLANS