

PROJECT LOCATION: PROJECT DESCRIPTION:



PROPOSED IMPROVEMENT TOWN OF FAIR HAVEN COUNTY OF RUTLAND CLASS I TOWN HIGHWAY STP BP21(12) DOWNTOWN PEDESTRIAN IMPROVEMENT

THIS PROJECT IS LOCATED ON NORTH MAIN STREET (VT ROUTE 22A) IN THE TOWN OF FAIR HAVEN, VT.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES SIDEWALK RECONSTRUCTION, INCLUDING GRANITE CURB, DRAINAGE, PAVEMENT MARKINGS, SIGNAGE, LANDSCAPING, LIGHTING AND OTHER HIGHWAY RELATED ITEMS.

TOWN GREEN END PROJECT -STA. 95+09 91+00 92+00 N MAIN STREET 93+00

NOT TO SCALE



SCALE I'' = 50'-0''

	project manager : BRIAN BRESLEND
BOIS	PROJECT NAME : FAIR HAVEN
ng ^{inc.}	PROJECT NUMBER : STP BP21(12)
	SHEET I OF 41 SHEETS

NOT FOR CONSTRUCTION

IN PROGRESS FINAL PLANS 5-DEC-2023







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PROJECT NAME: PROJECT NUMBER:	FAIR HAVEN STP BP21(12)	
FILE NAME: 628664. PROJECT LEADER: E DESIGNED BY: INDEX OF SHEETS	indx.dgn B.BRESLEND F.MATTHEWS	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY: B.BRESLEND SHEET 2 OF 41

GENERAL INFORMATION	COMMON TOPOGRAPHIC POINT SYMBOLS
SYMBOLOGY LEGEND NOTE	POINT CODE DESCRIPTION
THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COV STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOG USED FOR EXISTING & PROPOSED FEATURES WITH HEA LINEWEIGHT IN COMBINIATION WITH PROJECT ANNOTATION	ER & APL BOUND APPARENT LOCATION Y IS D BM BENCHMARK VIER D BND BOUND
AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND	CB CATCH BASIN
SHEET COVERS THE BASICS. SYMBOLOGY ON PLANS M.	AY COMB COMBINATION POLE
VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE	
USED TO CLARIFY AS NEEDED.	
	\odot GASEIL GAS FILLER
	\odot GP GUIDE POST
	✓ GSO GAS SHUT OFF
	○ GUY GUY POLE
	○ GUYW GUY WIRE
	GV GATE VALVE
	E TREE HARDWOOD
	△ HCTRL CONTROL HORIZONTAL
	A HVCIRL CONTROL HORIZ. & VERTICAL
	MB MAILBOX
	○ MH MANHOLE (MH)
	MM MILE MARKER
	PMK PRUJECT MARKER
	PUST PUST STUNE/WUUD
	← RRSI RAILROAD SIGNAL
	S TREE SOFTWOOD
	SAT SATELLITE DISH
	B SHRUB SHRUB
	A STUMP STUMP
	->- IEL IELEPHONE POLE
R.O.W. ABBREVIATIONS (CODES) & SYMBOLS	
POINT CODE DESCRIPTION	→ VCTRI CONTROI VERTICAI
BF BARRIER FENCE	• WELL WELL
CH CHANNEL EASEMENT	⋈ WSO WATER SHUT OFF
CONST CONSTRUCTION EASEMENT	
CUL CULVERT EASEMENT	THESE ARE COMMON VAOT SURVEY POINT SYMBOLS
D&C DISCONNECT & CONNECT	FOR EXISTING FEATURES, ALSO USED FOR PROPOSED
DR DRAINAGE EASEMENT	FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION
DRIVE DRIVEWAY EASEMENT	WITH PROPOSED ANNOTATION.
EC EROSION CONTROL HWY HIGHWAY EASEMENT	PROPOSED GEOMETRY CODES
LAND LANDSCAPE FASEMENT	CODE DESCRIPTION
PDF PROJECT DEMARCATION FENCE	PC POINT OF CURVATURE
R&RES REMOVE & RESET	PI POINT OF INTERSECTION
R&REP REMOVE & REPLACE	
R.T.&I. RIGHT, TITLE, AND INTEREST	PCC POINT OF COMPOUND CURVE
SR SLOPE RIGHT	PRC POINT OF REVERSE CURVE
	POB POINT OF BEGINNING
(T) FERMANENT EASEMENT	POE POINT OF ENDING
	STA STATION PREFIX
BNDNS BOUND SET	AH AHEAD STATION SUFFIX
BNDNS BOUND TO BE SET	BK BACK STATION SUFFIX
\square	
O PROW PROPOSED ROW POINT	L CURVE LENGTH OF
[LENGTH] LENGTH CARRIED ON NEXT SHEET	E CURVE EXTERNAL DISTANCE
	CB CHORD BEARING

UTILITY SYMBOLOGY

UNDERGROUND UTILI	T I E S
— UGU — ·· — · · -	UTILITY (GENERIC-UNKNOWN)
— UT — · · — · · –	TELEPHONE
— UE — · · — · · –	ELECTRIC
— UC — · · – · · –	CABLE (TV)
— UEC — ·· — · · -	ELECTRIC+CABLE
— UET — ·· — · · –	ELECTRIC+TELEPHONE
— UCT — ·· – · -	CABLE+TELEPHONE
— UECT — ··	ELECTRIC+CABLE+TELEPHONE
— G — · · – · · –	GAS LINE
— w — · · — · · –	WATER LINE
— s — · · – · · -	SANITARY SEWER (SEPTIC)
AROVE CROUND LITLE	
ABOVE GROUND OTTEN	
— AGU — · · — · · -	UTILITY (GENERIC-UNKNOWN)
E	
— (<u> </u>	
— EC — ·· – · · -	
— AER E&I — ·· — ·	
— ECT — · · - · · -	ELECTRIC+CABLE+TELEPHONE
	UTILITY POLE GUY WIRE
PROJECT CONSTRUCT	ION SYMBOLOGY

PROJECT	DESIGN	&	LAYOUT	SYM	BOLOGY
	- CZ —	_	CLEAR Z	ONE	
			PLAN LA	YOUT	MATCHLINE

PROJECT CONSTRUCTION FEATURES

Δ—	<u> </u>	<u> </u>		TOP OF CUT SLOPE
Θ—			— Э	TOE OF FILL SLOPE
୫	8° 8°	8 8 6	þ	STONE FILL
				BOTTOM OF DITCH €
	= =	= = =	_	CULVERT PROPOSED
_				STRUCTURE SUBSURFACE
PDI	F	— P D F ——		PROJECT DEMARCATION FENCE
ΒF	~~~×~	— BF 		BARRIER FENCE
$\overline{\langle XXX}$	****	****	\overline{XX}	TREE PROTECTION ZONE (TPZ)
11	//////	///////	/	STRIPING LINE REMOVAL
\frown	$\sim\sim$	$\sim\sim$		SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDAR	Y LINES	
	TOWN LINE	TOWN BOUNDARY LINE
	COUNTY LINE	COUNTY BOUNDARY LINE
	STATE LINE	STATE BOUNDARY LINE
	— — — <i>///</i>	PROPOSED STATE R.O.W. (LIMITED ACCESS)
		PROPOSED STATE R.O.W.
	- +++	STATE ROW (LIMITED ACCESS)
		STATE ROW
		TOWN ROW
<u> </u>	<u> </u>	PERMANENT EASEMENT LINE (P)
		TEMPORARY EASEMENT LINE (T)
-		SURVEY LINE
$\frac{P}{L}$	$\frac{P}{L}$	PROPERTY LINE (P/L)
<u>∧</u> SR ⊖	SR <u>SR</u>	SLOPE RIGHTS
6f ———	6f	6F PROPERTY BOUNDARY
4f	4f	4F PROPERTY BOUNDARY
HAZ	——— HAZ ———	HAZARDOUS WASTE

	FILTER CURTAIN
<u> X . X . X</u>	SILT FENCE WOVEN WIRE
>→→→→	CHECK DAM DISTURBED AREAS REQUIRING RE-VEGETATION
	EROSION MATTING
SEE EPSC DETAIL S	SHEETS FOR ADDITIONAL SYMBOLOGY
	DESOUDCES
	WETLAND BOUNDARY
<u> </u>	RIPARIAN BUFFER ZONE
	SOIL TYPE BOUNDARY
T&E	THREATENED & ENDANGERED SPECIES
——————————————————————————————————————	AGRICULTURAL LAND
——————————————————————————————————————	FISH & WILDLIFE HABITAT FLOOD PLAIN
OHW	ORDINARY HIGH WATER (OHW)
→ → →	SIORM WATER USDA FOREST SERVICE LANDS
<u> </u>	WILDLIFE HABITAT SUIT/CONN
ARCHEOLOGICAL	& HISTORIC
——————————————————————————————————————	ARCHEOLOGICAL BOUNDARY HISTORIC DISTRICT BOUNDARY
	HISTORIC AREA
(H)	HISTORIC STRUCTURE
$\begin{array}{c} X ST NG FEAT \\ \hline \\ $	URES ROAD EDGE PAVEMENT DRIVEWAY EDGE
PROJECT NAME: PROJECT NUMBER:	FAIR HAVEN STP BP21(12)

GENERAL

۱.	THE	CONTR	ACTOR	SHALL	ΒE	RESF	PONSI	BLE	FOR	MAK	ING	FIEL	.D MEA	SUREN	MENTS	S C
	THE	WORK.	ANY	DISCRE	PANC	CIES	IN D	IMEN	NS I ON	IS,	СНА	RACTE	R OR	EXTEN	NT OF	Ē
	THE	ATTEN	TION	OF THE	ENC	GINEE	ER BE	FORE	E ADV	'ANC	ING	THE	WORK.	WORK	KING	DR
	THE	WORK	SHALL	INDIC	ΑΤΕ	THE	ACTU	AL F	FIELD	ME	ASUF	REMEN	ITS BY	(THE	CONT	RA
	ENG	INEER'	S APP	ROVAL	AND	SHAL	L BE	S0	NOTE	D.						

- 2. ALL COMMERCIAL AND RESIDENTIAL PROPERTY OWNERS SHALL BE GIVEN 5 BUSINESS DAYS ADVANCE NOTIFICATION WHEN CONSTRUCTION IS TO TAKE PLACE ADJACENT TO PROPERTIES BY THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONSTRUCTION REQUIREMENTS ARE MET.
- 4. AT COMPLETION OF GRADING, THE SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE SMOOTH AND FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
- 5. NO WORK BEYOND THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS WILL BE ALLOWED. WORKING OUTSIDE OF THESE LIMITS MAY TRIGGER ADDITIONAL PERMITTING REQUIREMENTS. WHICH WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- 6. TYPICAL CROSS SECTIONS ARE MEANT FOR GUIDANCE ONLY. FIELD CONDITIONS MAY VARY AND MUST BE VERIFIED BY THE CONTRACTOR.
- 7. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = $+/-\frac{1}{4}$ INCH (TOTAL THICKNESS, EXCLUDING LEVELING).
- 8. SUBBASE TOLERANCE = +/-I INCH (TOTAL THICKNESS).
- 9. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC EROSION PREVENTION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH SECTION 653 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. ESTIMATED QUANTITIES FOR EPSC WORK HAVE BEEN INCLUDED IN THE CONTRACT FOR BIDDING PURPOSES. IF THE CONTRACTOR'S EPSC PLAN REQUIRES ITEMS OF WORK THAT ARE NOT INCLUDED IN THE PLANS IT SHALL BE PAID FOR AS PART OF ITEM 653.03 "MAINTENANCE OF EPSC PLAN".
- IO. WHERE THE SIDEWALK RUNS AGAINST THE FACE OF THE BUILDING THE INTENTION IS TO MATCH THE EXISTING ELEVATION ALONG THE BUILDING. IN THE EVENT THAT THE ELEVATION OF THE SIDEWALK IS TO BE RAISED HERE THE CONTRACTOR SHALL CUT THE WOOD FASCIA SO THAT IT WILL NOT BE BURIED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 608.10 OR 610.11.

UTILITIES

- I. UTILITIES INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCES AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL CONNECT OR RECONNECT ALL UTILITIES TO THE NEAREST SOURCE THROUGH COORDINATION WITH THE UTILITY OWNER.
- 2. THE CONTRACTOR SHALL NOT DISRUPT ANY EXISTING UTILITY SERVICE (PRIVATE OR PUBLIC) WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- 3. THE CONTRACTOR SHALL CONTACT "DIG SAFE" [I-888-DIG-SAFE (I-888-344-7233)] AND ALL AFFECTED UTILITY COMPANIES PRIOR TO PERFORMING ANY EXCAVATION. IN ACCORDANCE WITH DIG SAFE'S RULES OF NOTIFICATION.
- 4. ALL UTILITY POLES ARE TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED IN THESE PLANS.
- 5. SUBSURFACE FEATURES SUCH AS ELECTRIC AND TELEPHONE LINES, WATER LINES, SEWER LINES, STORM DRAIN AND CULVERTS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED, SUPPORTED, OR REMOVED AND REPLACED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PAYMENT IS SPECIFICALLY NOTED AS A SEPARATE PAY ITEM. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND/OR HIGHWAY MAINTENANCE DEPARTMENTS WHEN THE WORK INVOLVES THEIR RESPECTIVE FACILITIES. SEE THE UTILITIES SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 6. ANY SURFACE OR SUBSURFACE FEATURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE RESTORATION SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
- 7. TOPOGRAPHICAL AND PLANIMETRIC DATA SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEY COMPLETED BY DUBOIS & KING, INC. IN DECEMBER 2022. CONTRACTOR SHALL VERIFY ALL EXISTING FEATURES PRIOR TO BIDDING ON PROJECT.

OF ALL EXISTING CONDITIONS AFFECTING EXISTING FEATURES SHALL BE BROUGHT TO RAWINGS REQUIRED FOR VARIOUS ITEMS OF ACTOR PRIOR TO SUBMITTAL FOR THE

	J
[]	nc.

PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12) FILE NAME: 628664_notes.dgn PLOT DATE: 12/5/2023 PROJECT LEADER: B. BRESLEND DRAWN BY: O.DALMER DESIGNED BY: S. SOLLA CHECKED BY: B. BRESLEND PROJECT NOTES SHEET SHEET 4 OF 41

GENERAL NOTES:

- I. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, TESTING, CALIBRATING AND MAKING OPERATIONAL ALL DEVICES AND EQUIPMENT SHOWN ON THE DRAWINGS.
- 2. REFER TO VTRANS STANDARD E-175 FOR "TRENCH FOR SECONDARY LOAD SIDE" DETAIL FOR UNDERGROUND ELECTRICAL CONDUIT TRENCH DETAILS.
- 3. ALL WIRING SHALL BE IN RIGID SCHEDULE 80 PVC CONDUIT I INCH MINIMUM WITH A FULL SIZE INSULATED GROUNDING CONDUCTOR AND APPROVED FITTINGS. WHERE CONDUITS ARE PLACED UNDER ROADWAYS THEY SHALL BE PROTECTED BY A SIX INCH STEEL CASING OR ENCASED IN CONCRETE.
- 4. MAXIMUM OF BENDS PERMITTED IN SINGLE RUN OF CONDUIT SHALL NOT EXCEED 270 DEGREES.
- 5. ALL WIRING SHALL BE TYPE THHN/THWN, STRANDED COPPER SERVING NEW STREET LIGHTING CIRCUITS. REFER TO PANEL SCHEDULES FOR WIRE SIZES.
- 6. UTILITY SERVICE DROPS SHALL BE TYPE XHHW, STRANDED COPPER. REFER TO ELECTRICAL RISER DIAGRAM FOR WIRE SIZES.
- 7. THE ENTIRE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NATIONAL ELECTRIC CODE. ANY METALLIC RACEWAY SHALL BE ELECTRICALLY SECURE AT ALL JOINTS INCLUDING ALL BOXES, CABINETS, FITTINGS AND EQUIPMENT.
- 8. UTILIZE UL LISTED AND APPROVED RATED PARALLEL TAP CONNECTOR WITH INSULATED COVER FOR TAPS AT POLE BASES AND AT ALL IN GROUND JUNCTION BOXES.
- 9. PROVIDE FUSES AT BASE WITH Y-TYPE FUSE KITS UTILIZE A UL LISTED WATERPROOF APPROVED INSULATED SEAL.
- IO. PROVIDE (I) I20/240V, SINGLE PHASE, 3-WIRE, 20 CKT IOOA LOAD CENTER (PANELBOARD) TO REPLACE EXISTING LOAD CENTER. REFER TO PANEL SCHEDULE.
- II. FINAL POWER TERMINATIONS SHALL BE MADE FROM LARGE VOLTAGE DROP SIZED CONDUCTORS TO LIGHTING FIXTURES WITH MINIMUM #IO COPPER CONDUCTORS AND APPROPRIATE PRE-INSULATED MULTI-TAP CONNECTORS. SPLIT BOLT CONNECTORS WILL NOT BE ACCEPTABLE.
- 12. MULTIPLE CIRCUITS MAY BE RUN IN THE SAME CONDUIT. HOWEVER. WIRE SIZES SHOWN SHALL BE INCREASED TO ALLOW FOR DERATED AMPACITIES PER THE NATIONAL ELECTRICAL CODE. CONDUIT SIZES SHALL BE INCREASED ACCORDINGLY.
- 13. THE POWER COMPANY FOR THIS PROJECT IS GMP (GREEN MOUNTAIN POWER).
- 14. A PHENOLIC NAME PLATE SHALL BE PROVIDED AS REQUIRED AT PANEL BOARD.
- 15. TO THE EXTENT PRACTICAL, ELECTRICAL LINES SHALL BE LOCATED OUTSIDE THE EDGE OF TREE CANOPIES. ELECTRICAL LINES WITHIN THE TREE CANOPIES SHOULD BE INSTALLED CLOSE TO THE EDGE OF THE PATHS TO MINIMIZE DAMAGE TO TREE ROOTS.
- 16. TREE PROTECTION IS REQUIRED TO MINIMIZE CONSTRUCTION IMPACTS TO EXISTING TREES. FOLLOW SPECIFICATIONS 656. 11 "TREE PROTECTION". TREE PROTECTION MEASURES SHALL BE FOLLOWED FOR ANY EXCAVATION WITHIN EXISTING TREE CANOPIES.
- 17. MINIMIZE WORK WITHIN THE TREE PROTECTION ZONE. IF DISTURBANCE IS REQUIRED, ONLY HAND METHODS MAY BE USED. NO HEAVY EQUIPMENT SHALL BE USED WITHIN THE DRIPLINE OF THE TREES.
- 18. CONTRACTOR SHALL PROVIDE A GFCI WP 120V, 20A DUPLEX RECEPTACLE AT EACH POLE LIGHT. THE CONTRACTOR SHALL ALSO PROVIDE THREE 20A CIRCUITS FOR EACH PANEL TO SERVE ALL RECEPTACLES. THERE SHALL BE NO MORE THAN EIGHT RECEPTACLES ON EACH CIRCUIT.

LIGHTING ASSEMBLY NOTES

- I. LIGHT ASSEMBLIES SHALL BE PAINTED FLAT BLACK AND HAVE FLAT BLACK HOUSINGS. FINISHES SHALL BE PER WP 120V, 20A DUPLEX RECEPTACLE.
- 2. LUMINAIRES
 - APPROVED EQUAL.

	SITE LIGHTING FIXTURE SCHEDULE												
MAR	LUMINAIRE MANUFACTURER	LUMINAIRE CATALOG NUMBER	POLE MANUFACTURER	POLE HEIGHT	LUMENAIRE & POLE FINISH	WATTS							
А	STERNBERG LIGHTING	PT-A850SRLED-990-16L30T3-MDL014-P-BKT	STERNBERG - BOSTON 5800 SERIES	10'-5"	BLACK	59							
А	KING LUMINAIRE	K118R-P4-PR-III-60-(SSL)-1030-120V-K26-PR-3K-SST-BK-#2-WS	HAPCO - YORK Y7S-10-D-5-R-TF12-BA-TENON MOUNT	10'	BLACK	60							
А	SPRING CITY ELECTRICAL MFG	ALMGTT-LE60-EVX-L1-30-CR3-P-S11-WS6-CU	HAPCO - HOMEWOOD HOC-10-D-5-4-TF12-BA-TENON MOUNT	10'	BLACK	60							

- 3. WIRING AND GROUNDING
 - NUMBER AND PANEL SOURCES AT EVERY LIGHT POLE AND HANDHOLE.
 - AS TO ACT AS A GROUNDING CONDUCTOR.
 - C. THE GROUNDING CONDUCTOR SHALL BE CONTINUOUS.
 - D. ALUMINUM WIRE SHALL NOT BE USED FOR GROUND WIRE.
- 4. LIGHTING CONTROL DEVICE

 - FOR CONTROL OF (2) LIGHTING CIRCUITS INDEPENDENTLY.

 - ANY FAILURE IN THE ELECTRONIC CIRCUIT.
 - E. A LIGHTNING ARRESTER SHALL BE INCLUDED AS PART OF THE DEVICE.
- 5. SEE VTRANS STANDARD DRAWINGS T-133 AND T-134 FOR ADDITIONAL INFORMATION.



SECTION 679 OF THE LATEST SPECIFICATIONS FOR CONSTRUCTION. ALL LIGHT POLE ASSEMBLIES SHALL HAVE A GFCI

A. LUMINAIRES SHALL BE ONE OF THE OPTIONS LISTED BELOW IN THE SITE LIGHTING FIXTURE SCHEDULE OR

A. CIRCUIT CONDUCTORS SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT

B. ALL CONDUIT MUST INCLUDE A GROUNDING CONDUCTOR. RIGID STEEL CONDUIT SHALL BE PROPERLY CONNECTED AT THE JOINTS SO AS TO BE WATERTIGHT AND MAINTAIN ELECTRICAL CONTINUITY AND HAVE GROUNDING BUSHINGS SO

A. LIGHTING CONTROL DEVICE SHALL BE A PHOTOCELL MOUNTED AS SHOWN IN THE DETAIL, FACING NORTH.

B. LIGHTING EQUIPMENT SHALL BE WIRED SUCH THAT ONE CONTROL DEVICE COMMANDS THE FUNCTIONS ASSOCIATED WITH POWERING UP AND DOWN ALL LUMINAIRES. THE CONTROL DEVICE IS TO HAVE 2 SEPARATE OUTLETS TO ALLOW

C. THE RELAY SHALL HAVE A TIME DELAY TO AVOID OPERATION DUE TO LIGHTNING AND TRANSIENT LIGHT.

D. IN THE EVENT OF FAILURE, THE RELAY SHALL FAIL SAFE, THAT IS, THE LIGHTS ARE LEFT ON IN THE EVENT OF

BENCHMARK PID: HVCTRL #5

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ONTROL

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GENERAL LOCATION, FAIR HAVEN, VT

TO REACH FROM THE INTERSECTION OF VT ROUTE 22A AND LIBERTY STREET IN FAIR HAVEN ACROSS LIBERTY STREET AT THE LEFT SIDE OF VT ROUTE 22A ON THE SIDEWALK BETWEEN "FAIR HAVEN POULTNEY CAR QUEST AUTO SUPPLY" STORE AND "CARL DURFEE'S FAMILY CLOTHING & FOOTWARE STORE" TO THE RIGHT FROM THE 8" ORNAMENTAL TREE AT THE DISTANCE OF 10.85 FEET.







	PROJECT NAME: FAIR HAVEN	
ID Inc.	PROJECT NUMBER: STP BP21(12) FILE NAME: 628664_tie.dgn PROJECT LEADER: B. BLESLEND DESIGNED BY: T. MATTHEWS TIE SHEET	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY: B.BRESLEND SHEET 6 OF 41







SKEWED BLOCK PATTERN CROSSWALK DETAIL

MAY VARY WITH II'-O" OR I2'-O" LANE

NOTES

I. THIS DETAIL IS CONFIGURED FOR AN II'-O" LANE.

(*) 2. THIS SPACING WILL INCREASE TO 2'-O'' FOR A 12'-O'' LANE.

(*) 3. ADJUST SPACING TO AVOID WHEEL PATHS AS DIRECTED BY THE ENGINEER.

NOTES:

- I. THIS DETAIL IS CONFIGURED FOR AN II FOOT LANE.
- 2. MARK LIGHT STRING LINE ON PAVEMENT ACROSS ROADWAY (CURB TO CURB).
- 3. ESTABLISH THE CENTER LINE OF THE ROADWAY (DOUBLE YELLOW LINE OR LANE LINE).
- 4. BLOCKS ARE PARALLEL TO THE CENTERLINE (DOUBLE YELLOW LINE OR LANE LINE).



TYPICAL CULVERT TRENCH EXCAVATION DETAIL



-LIGHT STRING LINE (TYP.)

CROSSWALK PATTERN DETAIL

MAY VARY WITH II'-O" OR 12'-O" LANE

NOTES

- I. THIS DETAIL IS CONFIGURED FOR AN II'-O" LANE.
- (*) 2. THIS SPACING WILL INCREASE TO 2'-O'' FOR A 12'-O'' LANE.
- (*) 3. ADJUST SPACING TO AVOID WHEEL PATHS AS DIRECTED BY THE ENGINEER.
 - 5. ALWAYS START MEASURING FROM THE CENTERLINE OR LANE LINE RIGHT, WITH THE FLOW OF TRAFFIC.

(*) 7. THIS DISTANCE WILL INCREASE TO 12" FOR A 12 FOOT LANE.

6. PAINTED BLOCKS ARE 24 INCHES (TYPICAL).

BACKFILL MATERIAL TO BE NATIVE MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF IT DETERMINED THAT GRANULAR BACKFILL FOR STRUCTURES IS REQUIRED, PAYMENT WILL BE MADE UNDER ITEM 204.30 "GRANULAR BACKFILL FOR STRUCTURES". UNDISTURBED SOIL DRAINAGE PIPE

Bois



DOUBLE - SIDED STREET SIGN (FAIR HAVEN); 1.5" Radius, 0.5" Border, White on Green; [Maple St] D;

STREET SIGN DETAIL



NO PARKING ZONE DETAIL



SPECIAL PROVISION (REMOVE & RESET ORNAMENTAL SLATE) DETAIL

PROJE	CT NAME: FAIR HAVEN CT NUMBER: STP BP21(12)	
FILE N	AME:628664_det.dgn	PLOT DATE: 12/5/2023
PROJE	CT LEADER: B.BRESLEND	DRAWN BY: O.DALMER
DESIGN	IED BY: S.SOLLA	CHECKED BY:B.BRESLEND
DETAIL	SHEET I	SHEET 9 OF 41





	TYPICAL CUP	RB TRANS		ENGTH T	ABLE					
CURB REV	/EAL (INCHES)	7	6	5	4	3	2			
	ROADWAY PROFILE GRADE (%)	Minimum Transition Length Required (FT)								
	-10%	5.0	5.0	5.0	5.0	5.0	5.0			
	-9%	5.0	5.0	5.0	5.0	5.0	5.0			
	-8%	5.0	5.0	5.0	5.0	5.0	5.0			
	-7%	5.0	5.0	5.0	5.0	5.0	5.0			
	-6%	5.0	5.0	5.0	5.0	5.0	5.0			
Low Side	-5%	5.0	5.0	5.0	5.0	5.0	5.0			
TRANSITION	-4%	5.1	5.0	5.0	5.0	5.0	5.0			
LENGTH	-3%	5.6	5.0	5.0	5.0	5.0	5.0			
	-2%	6.1	5.3	5.0	5.0	5.0	5.0			
	-1%	6.9	5.9	5.0	5.0	5.0	5.0			
	0%	7.8	6.7	5.6	5.0	5.0	5.0			
	1%	9.0	7.7	6.4	5.1	5.0	5.0			
	2%	10.6	9.1	7.6	6.1	5.0	5.0			
	3%	13.0	11.1	9.3	7.4	5.6	5.0			
	4%	15.0	14.3	11.9	9.5	7.1	5.0			
Lliah Cida	5%	15.0	15.0	15.0	13.3	10.0	6.8			
High Side	6%	15.0	15.0	15.0	15.0	15.0	11.3			
IRANSITION LENGTH	7%	15.0	15.0	15.0	15.0	15.0	15.0			
	8%	15.0	15.0	15.0	15.0	15.0	15.0			
	9%	15.0	15.0	15.0	15.0	15.0	15.0			
	10%	15.0	15.0	15.0	15.0	15.0	15.0			

SPECIAL PROVISION

(BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY).

41/2" PLACED IN TWO LIFTS OF 11/2 "TYPE IV WEARING COURSE AND AND 3" BASE COURSE, (TYP) _ _ _ _ _ _

SUBBASE OF CRUSHED GRAVEL, FINE GRADED

COMMON

EXCAVATION

REMOVE EXISTING PAVEMENT (PAY ITEM 203.15) 4 INCH ASSUMED DEPTH REPLACE WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED

> COMMENTS Fruitless variety 5' O.C. 24" O.C. 36" O.C. 24" O.C.

inc. NOT TO SCALE



DESIGNED BY: S. SOLLA

DETAIL SHEET 3

CHECKED BY: B. BRESLEND SHEET II OF 41



•		
	project name: FAIR HAVEN project number: STP BP21(12)	
5	FILE NAME: 628664_det.dgn PROJECT LEADER: B.BRESLEND DESIGNED BY: S.SOLLA	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY: B.BRESLEND
ALE	LIGHTING DETAIL SHEET	SHEET I2 OF 4I



COAT CHUTE DETAIL

EXISTING BRICKED WINDOW WELL



					6	UAN				
SUMM	ARY OF ESTIMATED QUA	NTITIES		TOTALS		DESCRIPTIONS				
	1011 - ROADWAY	1013 - ROADWAY (NO FEDERAL/STA	2051 - EROSION CONTROL	STREET LIGHT ASSEMBLY - ITEM 679.46	STREET LIGHT ASSEMBLY - ITEM 900.620	GRAND TOTAL FINAL	UNIT	ITEMS		
	5					5	EACH	REMOVING MEDIUM TREES	201.15	
	960					960	CY	COMMON EXCAVATION	203.15 2	
	180					180	CY	TRENCH EXCAVATION OF EARTH	204.20 1	
	1					1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	
	10					10	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	
	500					500	SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.10 17	
	800					800	CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26 8	
	5					5	CY	AGGREGATE SURFACE COURSE	401.10 1	
	6					6	CWT	EMULSIFIED ASPHALT	404.65 1.2	
	50					50	LF	24" CPEP	601.0920 5	
	1					1	EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.20	
	4					4	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	
	130					130	LF	UNDERDRAIN PIPE, 12 INCHES	605.13 1	
	800					800	LF	VERTICAL GRANITE CURB	616.21 4	
	625					625	LF	REMOVING AND RESETTING CURB (GRANITE CURB)	616.40 4	
	505					505	LF	REMOVAL OF EXISTING CURB	616.41 3	
	1320					1320	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10 13	
	40					40	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	618.11 3	
	150					150	SF	DETECTABLE WARNING SURFACE	618.30	
	2					2	EACH	REMOVING AND RESETTING PROPERTY MARKERS	619.20	
	9					9	EACH	ADJUST ELEVATION OF VALVE BOX	629.20	
	40					40	HR	UNIFORMED TRAFFIC OFFICERS	630.10 EST	
	3000					3000	HR	FLAGGERS	630.15 EST	
	1					1	LS	MOBILIZATION/DEMOBILIZATION	635.11	
	1					1	LS	TRAFFIC CONTROL, ALL-INCLUSIVE	641.11	
	3150					3150	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404 26	
	1600					1600	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414 16	
	12					12	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	
	130					130	LF	DURABLE CROSSWALK MARKING, POLYUREA	646.504 2	
	1060					1060	SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85 19	
			40			40	LB	SEED	651.15 4	
			80			80	LB	FERTILIZER	651.18 7	
			1			1	TON	AGRICULTURAL LIMESTONE	651.20 0.3	
			80			80	CY	TOPSOIL	651.35 2	
			1			1	LS	EPSC PLAN	653.01	
			50			50	HR	MONITORING EPSC PLAN	653.02 EST	
			1			1	LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	653.03	
			1			1	TON	HAYMULCH	653.10 0.7	
			7			7	EACH	INLET PROTECTION DEVICE, TYPE II	653.41	
			600			600	LF	PROJECT DEMARCATION FENCE	653.55 7	

OUDANTITY SHEET 1



				I	DETAILED SUMMARY	OF QUANTITIES
NUMBER	ROUND		QUANTITIES	UNIT		ITEMS
1.15		_				
3.15	2					
4.20	1	_				
4.22		_				
4.30		_				
0.10	17	_				
1.26	8	_				
1.10	1	_				
4.65	1.2	_				
1.0920	5	_				
4.20		_				
4.412		_				
5.13	1	_				
6.21	4					
6.40	4					
6.41	3	_				
8.10	13	_				
8.11	3	_				
8.30		_				
9.20		_				
9.20						
0.10	EST.					
D.15	EST.					
5.11						
1.11						
6.404	26					
6.414	16					
6.494		_				
6.504	2					
6.85	19					
1.15	4					
1.18	7					
1.20	0.3					
1.35	2					
3.01		_				
3.02	EST.					
3.03						
3.10	0.7					
3.41						
3.55	7					
		PROU	JECT NAME	: F	FAIR HAVEN	
Ń	S	PRO.			DIA RASI(15)	
g	к.	FILE PROJ DESIO QUAN	NAME: 628 JECT LEAD GNED BY: NTITY SHEE	8664q+ ER: B.I S.S	y₁dgn BRESLEND SOLLA	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY:B.BRESLEND SHEET 14 OF 41

							G	UAI			I JNEEI Z	
	SUMI	MARY OF ES	TIMATED QUA	NTITIES				TOTALS	s		DESCRIPTIONS	
			1011 - ROADWAY	1013 - ROADWAY (NO FEDERAL/STA	2051 - EROSION CONTROL	STREET LIGHT ASSEMBLY - ITEM 679.46	STREET LIGHT ASSEMBLY - ITEM 900.620	GRAND TOTAL	FINAL	UNIT	ITEMS	
				12				12		EACH	DECIDUOUS TREES (MALUS 'SPRING SNOW') (CONT.) (5-6 HEIGHT)	656.30
				17				17		EACH	DECIDUOUS SHRUBS (TAXUS MEDIA 'TAUTONII') (#2 CONT.) (24 IN HEIGHT)	656.35
				62				62		EACH	PERENNIALS (NEPETA 'WALKERS LOW')(#1 CONT.)	656.41
				65				65		EACH	PERENNIALS (PANICUM VIRGATUM 'SHENANDOAH')(#1 CONT.)	656.41
				24				24		EACH	PERENNIALS (RUDBECKIA FULGIDA 'GOLDSTRUM')(#1 CONT.)	656.41
				1				1		MGAL	LANDSCAPE WATERING	656.65
				16				16		CY	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	656.80
			1					1		LS	TREE PROTECTION	656.85
			70					70		SF	TRAFFIC SIGN, TYPE A	675.20
			390					390		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.34
			37					37		EACH	REMOVING SIGNS	675.50
			19					19		EACH	RESETTING SIGNS	675.60
			604					604		LF	WIRED CONDUIT (1" SCH 80 PVC)	678.23
			2					2		EACH	SPECIAL PROVISION (BEEHIVE GRATE FOR 12IN UNDERDRAIN)	900.62
			1					1		EACH	SPECIAL PROVISION (CORING CONCRETE)	900.62
			1					1		EACH	SPECIAL PROVISION (REMOVE & RESET PULL BOX)	900.62
			1					1		EACH	SPECIAL PROVISION (REMOVE & RESET POST OFFICE BOX)	900.62
			3					3		EACH	SPECIAL PROVISION (REMOVE AND RESET STONE STAIRS)	900.62
			2					2		EACH	SPECIAL PROVISION (TREE WELL)	900.62
			100					100		LF	SPECIAL PROVISION (AIR SPADE)	900.64
			1					1		LU	SPECIAL PROVISION (MAT DENSITY PAY ADJUSTMENT, SMALL QUANTITY)(N.A.B.I.)	900.65
			1					1		LU	SPECIAL PROVISION (MIXTURE PAY ADJUSTMENT)(N.A.B.I.)	900.65
			220					220		SY	SPECIAL PROVISION (IMPRINTED COLORIZED CONCRTE SURFACE, 5 INCH)	900.67
			130					130		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)	900.68
						7		7		EACH	STREET LIGHT ASSEMBLY	679.46
							7	7		EACH	SPECIAL PROVISION (ORNAMENTAL STREET LIGHT ASSEMBLY)	900.62

OUANTITY QUEET 2



				I		OF QUANTITIES
2	ROUND		QUANTITIES	UNIT		ITEMS
	EST.	_				
	EST.					
	5.51	_				
		_				
		_				
		_				
	6	_				
	2	_				
		_				
		_				
_						
		_				
		\exists				
		PRO.	JECT NAME	: F er: <	AIR HAVEN	
	5	FILE	NAME: 628	664qt		PLOT DATE: 12/5/2023
K	•	DESI	GNED BY: NTITY SHEE	אב: B. E S. S T 2	SOLLA	CHECKED BY: B. BRESLEND SHEFT 15 OF 41

NORTH MAIN STREET ALIGNMENT TABLE

	Point						Delta /	Rotation
Element	Туре	Station	Northing	Easting	Radius	Length	Theta	Direction
Tangent	POB	8594.981	398910.316	1437749.93				
Tangent	PC	8609.139	398924.392	1437748.399				
	PC	8609.139	398924.392	1437748.399				
Arc	PI	8671.289	398986.178	1437741.68	900	124 103	7 901°	left
7410	CC		398827.096	1436853.674	000	124.100	/.001	
	PT	8733.242	399046.453	1437726.533				
								1
Tangent	PT	8733.242	399046.453	1437726.533				
	PC	8790.746	399102.223	1437712.517				
	50						1	
		8790.746	399102.223	1437712.517				
Arc		8860.615	399169.985	1437695.488	475	138.744	16.736°	Left
		0000.40	398986.451	1437251.842				
		8929.49	399229.974	1437659.667				
	DT	0000 40	000000 074	4407050 007				
Tangent		8929.49	399229.974	1437659.667				
		8996.356	399287.384	1437625.386				
		8000 250	200297 294	1407005 000			1	
		0092 979	399267.364	1437625.386				
Arc		9083.878	399362.529	1437580.515	300	170.317	32.528°	Right
			399441.166	1437882.96				
		9166.674	399450.013	143/583.09				
	DT	0400 074	200450.042	4407500.00				
Tangent	PI DO	9166.674	399450.013	1437583.09				
		9241.346	399524.653	1437585.287				
	DC	0241 246	200524 652	1/27595 297				
		9241.340	399524.055	1437503.207				
Arc		9317.091	399000.903	1437307.555	1400	152.539	6.243°	Right
		0303 885	300676 58	1430904.001				
		3333.003	399070.30	1437 390.003				
	PT	9393 885	399676 58	1437598 063				
Tangent	PC	9439 815	399722 071	1437604 399				
	10	0400.010	000722.071	1407004.000				
	PC.	9439 815	399722 071	1437604 399				
_	PI	9482 291	399764 142	1437610 258		_		
Arc	CC		399032 387	1442556 604	5000	84.951	0.973°	Right
	PT	9524,766	399806,107	1437616.831				
	· ·						1	<u> </u>
– <i>i</i>	PT	9524.766	399806.107	1437616.831				
langent	POE	9582.253	399862.901	1437625.727				
	1						I	I





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NOT TO S

	PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12)	
9	FILE NAME: 628664_curb algm.dgn PROJECT LEADER: B.BRESLEND	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER
SCALE	DESIGNED BY: S.SOLLA CURB ALIGNMENT SHEET	CHECKED BY: B.BRESLEND SHEET I7 OF 4I

AGGREGATE SURFACE COURSE PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH STA. 89+02 - STA. 90+22 RT STA. 87+00 - STA. 91+25 RT STA. 88+84 - STA. 89+01 LT REHAB DROP INLETS, CATCH BASINS, OR STA. 90+50 - STA. 91+25 LT MANHOLES, CLASS I, CLASS II, CLASS III STA. 88+03 RT DETECTABLE WARNING SURFACE STA. 88+60 RT STA. 87+00 RT STA. 89+01 LT STA. 87+20 RT STA. 88+58 RT VERTICAL GRANITE CURB OR STA. 88+80 RT REMOVING AND RESETTING CURB (GRANITE CURB) STA. 88+87 LT STA. 87+00 - STA. 91+25 RT STA. 89+02 LT STA. 88+78 - STA. 89+01 LT STA. 90+56 RT STA. 90+33 - STA. 91+25 LT STA. 90+59 LT STA. 90+86 LT REMOVAL OF EXISTING CURB STA. 91+23 RT STA. 87+07 - STA. 90+40 RT STA. 90+33 - STA. 90+56 LT ADJUST ELEVATION OF VALVE BOX STA. 87+15 RT STA. 87+93 RT STA. 88+15 RT STA. 88+41 RT NOTES: I. ALL EXISTING SLATE LOCATED WITHIN THE EXISTING SIDEWALK FOOTPRINT SHALL BE REMOVED AND RESET. CARE SHALL BE TAKEN TO MINIMIZE DAMAGE. THE COST ASSOCIATED WITH THIS SHALL BE PAID UNER ITEM 900.675 "SPECIAL PROVISION (REMOVE AND RESET ORNAMENTAL SLATE) ". 2. EXISTING TREE GRATE AND HARDWARE TO BE SALVAGED AND RETURNED TO THE TOWN. THE COST ASSOCIATED WITH THIS WORK SHALL BE PAID UNDER ITEM 201.15 REMOVING MEDIUM TREES. (I) STA. 88+68 RT 38.62' TO STA. 89+11 RT 30.62' HVCTRL 5 CONST. 24" CPEP (45'-0") N: 399012.223 E: |437686. |84 INV. = 386.25' ELEV.387.60 INV. = 386.50' (2) STA. 89+11 RT 30.62' TO STA. 89+36 RT 71.47' CONST. UNDERDRAIN PIPE, 12 INCHES (47'-6'') INV. = 387.00' - BEGIN PROJECT INV. = 387.25' COMB CONST. BEEHIVE GRATE @ +36 STA. 86+76 RIM = 391.00' TO NEW YORK 8"C.I. -87+00-8''PVC (3) STA. 89+11 RT 30.62′ TO STA. 89+89 RT 52.07' 85+95 COMB 165-52 CONST. UNDERDRAIN PIPE, 86+00 12 INCHES (81'-2") POST INV. = 387.00' SIDEWALK INV. = 387.50' EL.389.74 CONST. BEEHIVE GRATE @ +89 — — — — <u>— _ _ _</u>TIE - 🛅 RIM = 391.75'(4) STA. 89+11 RT 30.62' CONST. CONC. CATCH BASIN ЕЧ RIM = 390.91' RE ST ST RT | | L IBEP





VT STATE PLANE GRID

<u>SPEC</u>	IAL PR	0V	ISION	(IMPR	<u>inted</u>	
COLO	RIZED	100	NCRETE	SURF /	ACE,	5 INCH)
STA.	91+39	-	STA.	92+16	RT	
STA.	92+27	-	STA.	92+44	RT	
STA.	92+54	-	STA.	92+58	RT	
STA.	92+85	-	STA.	93+09	RT	
STA.	93+07	-	STA.	93+23	LT(I	SLAND)
STA.	93+22	-	STA.	93+52	LT(I	SLAND)
STA.	93+28	-	STA.	93+42	RT	
STA.	93+31	-	STA.	93+44	RT (I	SLAND)
STA.	93+46	-	STA.	93+57	RT (I	SLAND)
STA.	93+53	-	STA.	93+57	RT	
STA.	93+69	-	STA.	94+92	RT	
STA.	94+97	-	STA.	95+09	RT	

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PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12) FILE NAME:628664_bdr.dgn PLOT DATE: 12/5/2023 PROJECT LEADER: B. BRESLEND DRAWN BY: O. DALMER DESIGNED BY: S. SOLLA CHECKED BY: C.LATHROP PROJECT LAYOUT SHEET 2 SHEET 19 OF 41

STREET LIGHT ASSEMBLY OR SPECIAL PROVISION	WIRED CONDUIT (I INCH 80
(ORNAMENTAL STREET LIGHT ASSEMBLY)	STA. 87+25 RT - STA. 91+2
STA. 87+25 RT	STA. 89+73 RT - STA. 90+3
STA. 88+12 RT	
STA. 88+94 RT	
STA. 89+73 RT	
STA. 89+77 RT	
STA. 90+03 RT	
STA. 90+36 RT	

KEY	QTY	Botanical Name	Common Name	SIZE	ROOT	COMMENTS
REES						
MS	7	Malus 'Spring Snow'	Spring Snow Crabapple	5-6' Ht.	2" Cal. B&B	Fruitless variety
MP	4	Malus 'Prairiefire'	Prairiefire Crabapple	5-6' Ht.	2" Cal. B&B	
SHRUBS						
TM	17	Taxus media 'Tauntonii'	Tauntoni Yew	24" Ht.	#3 Cont.	5' O.C.
HERBACEOU	S					
NW	63	Nepeta 'Walker's Low"	Walker's Low Ornamental Catmint		#2 Cont.	24" O.C.
PVS	65	Panicum virgatum 'Shenandoah'	Shenandoah Switchgrass		#2 Cont.	36" O.C.
RH	23	Rudbeckia fulgida 'Goldstrum'	Goldstrum Black Eyed Susan		#2 Cont.	24" O.C.





APPROXIMATE EXISTING R.O.W.

_____5-ТМ __

5-NW 7-RH 11-PVS I-MS 8-NW

12-NW-6-PVS-

3-TM —

TREE









DURAE	BLE CRO	DSSWA	LK MAF	RKING,	POL	YURE	<u> </u>
STA.	93+28	LT -	STA.	93+40	RΤ	(32	FΤ
STA.	94+94	RT -	STA.	95+06	LΤ	(49	FΤ



NS	project name: FAIR HAVEN project number: STP BP21(12)	
Inc.	FILE NAME:628664_bdr.dgn PROJECT LEADER: B. BRESLEND DESIGNED BY: T. MATTHEWES SIGNS AND LINES SEET 2	PLOT DATE: 12/5/2023 DRAWN BY: O. DALMER CHECKED BY: C.LATHROP SHEET 23 OF 41

								NEVV	SIGNS	Ð	(ISTIN	G SIGI	NS	EXI PO	ST ST	OSTS	SQU	ARES (in)	TEEL		TUBI	JLAR Ø (IN	STEEL
						S										L ∠	1.75	2.00 _B / F	2.50 T)		3.00	3.50 (LB	4.00 : / FT)
DIR	MILEPOINT	LOCATION CODE	MUTCD CODE	WIDTH	HEIGHT	SHEETING REMARK	SIGN LEGEND	"A"	"B"	RETAIN	RESET FROM	RESET TO	REMOVE	RETAIN	REMOVE	NUMBER OF NE	1.88	2.42	3.35	FOUNDATION	7.60	9.00	10.80 1
FA	IR HAV	/EN	MAI	N ST	REE	Т	FYG - FLUORESCENT YELLOW-GREEN																
	STA. 87+29	RT	R7-8	12	18		RESERVED PARKING				1		1		1								
	STA. 87+34	RT	R7-8	12	18		RESERVED PARKING					1				1		15					
	STA. 88+07	RT	R7-5 R&L	12	18		TWO HOUR PARKING> <				1	1	1		1	1		15					
	STA. 88+52	RT	R7-8	12	18		RESERVED PARKING	1.50								1		15					
	STA. 88+60	RT	R7-5 L	12	18		2 HR PARKING <						1		1								
			R7-1 R	12	18		NO PARKING>						1										
	STA. 88+82	LT	W11-2	30	30		PEDESTRIAN					1				1		15					
			W16-7P	24	12		DIAGONAL ARROW					1											
	STA. 88+85	LT	W11-2	30	30		PEDESTRIAN				1		1		1								
			W16-7P	24	12		DIAGONAL ARROW				1		1										
	STA. 88+85	RT	W11-2	30	30		A	6.25								1		15					
			W16-7P	24	12			2.00															
	STA. 88+97	RT	VD3-1	UNKN	UNKN		SOUTH PARK PLACE				1	1	1		1	1		15					
			R1-1	30	30		STOP				1	1	1										
			VD-700	6	10		MM 0041,1107,0171				1	1	1										
	STA. 88+98	RT	R7-5 L	12	18		2 HOUR PARKING						1		1								
S	IGN S	SUN	IMAR	Y SI	HEE	T	SHEET TOTALS	9.75 SF	0.00 SF	0 EA	7 EA	7 EA	10 EA	0 EA	6 EA	6 EA	0 FT	90 FT	0 FT		0 LB	0 LB	0 LB
							TOWN TOTALS	64.49	0.00	0	19	19	37	0	24	26	0	390	0		0	0	0

5.00	QUIRED			SIGN DETA	NL
14.60	SIGN FRAME RE	REMARKS	DETAIL IN SHSM	DETAIL ON SHEET NUMBER	DETAIL ON STD SHEET NUMBER
		"SHSM" - STANDARD HIGHWAY SIGNS AND MARKINGS			
		FLUORESCENT Y ELLOW-GREEN	х		
			Х		
		BACK TO BACK			
		ВАСК ТО ВАСК			
0 LB		PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12)		T DATE: 5-	DFC-2023
0		PROJECT LEADER: B. BRESLEND DESIGNED BY: S. SOLLA TRAFFIC SIGN SUMMARY SHEET I	DRA CHE SHE	WN BY: O.D CKED BY:C.L ET 24 OF	ALMER ATHROP 4I

								NEW	SIGNS	EX	(ISTING	G SIGN	NS	EXI PO	ST ST	STSOc	SQU/	ARES (in)	TEEL		TUB	ULAR Ø (IN 3 50 I	STEEL I)
DIR	MILEPOINT	LOCATION CODE	MUTCD CODE	WIDTH	HEIGHT	SHEETING REMARKS	SIGN LEGEND	"A"	"B"	RETAIN	RESET FROM	RESET TO	REMOVE	RETAIN	REMOVE	NUMBER OF NEW I	1.88	2.42	3.35	FOUNDATION	7.60	(LB 9.00	10.80 1
FAI	R HAV	EN	MAI	N ST	REE	т	FYG - FLUORESCENT YELLOW-GREEN																
	STA. 89+18	RT	R7-8	12	18		PARKING	1.50								1		15					
	STA. 89+34	RT	R7-5 L	12	18		2 HOUR PARKING						1		1								
	STA. 89+72	RT	R7-5 R&L	12	18		2 HOUR PARKING	1.50								1		15					
	STA. 89+81	RT	R7-5 L	12	18		2 HOUR PARKING						1		1								
	STA. 90+10	RT	R7-5 L	12	18		2 HOUR PARKING						1		1								
	STA. 90+25	RT	R7-8	12	18			1.50								1		15					
	STA. 90+28	RT	R7-5 L	12	18		2 HOUR PARKING						1		1								
	STA. 90+47	RT	W11-2	30	30		PEDESTRIAN				1		1		1								
			W16-7PL	24	12		DIAGONAL ARROW				1		1										
	STA. 90+61	RT	W11-2	30	30		PEDESTRIAN					1				1		15					
			W16-7PL	24	12		DIAGONAL ARROW					1											
	STA. 90+63	LT	W11-2	30	30		PEDESTRIAN					1				1		15					
			W16-7PL	24	12		DIAGONAL ARROW					1											
	STA. 90+69	LT	W11-2	30	30		PEDESTRIAN				1		1		1								
			W16-7PL	24	12		DIAGONAL ARROW				1		1										
S	IGN S	UN	IMAR	Y SI	HEE	T	SHEET TOTALS	4.50 SF	0.00 SF	0	4 FA	4 FA	8 FA	0 FA	6 FA	5 F4	0 FT	75 FT	0 FT		0	0	0 I B
							ΤΟΙΛ/ΝΙ ΤΟΤΑΙ Ο						~~~										
								04.49	0.00	U	19	19	31	U	24	20	U	290	U		U	U	U

5.00	QUIRED			SIGN DETA	\IL
14.60	SIGN FRAME REC	REMARKS	DETAIL IN SHSM	DETAIL ON SHEET NUMBER	DETAIL ON STD SHEET NUMBER
		"SHSM" - STANDARD HIGHWAY SIGNS AND MARKINGS			
0		PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP RP21(12)			
LB 0		FILE NAME: 628664tsss.dgn PROJECT LEADER: B. BRESLEND DESIGNED BY: S. SOLLA TRAFFIC SIGN SUMMARY SHEET 2	PLC DRA CHE SHE	T DATE: 5- WN BY: O.D CKED BY:C.L ET 25 OF	DEC-2023 ALMER ATHROP 4I

								NEVVS	SIGNS	EX	(ISTIN)	G SIGI	NS	EX PO	IST DST	OSTS	SQU	ARES (in)	STEEL		TUB	ULAR Ø (IN	STEE	L
						RKS										NEW P	1.75	2.00 LB / F	T)	NO	3.00	3.50 (LB	4.00 / FT)	
DIR	MILEPOINT	LOCATION CODE	MUTCD CODE	WIDTH	HEIGHT	SHEETING REMA	SIGN LEGEND	"A"	"B"	RETAIN	RESET FROM	RESET TO	REMOVE	RETAIN	REMOVE	NUMBER OF	1.88	2.42	3.35	FOUNDATIC	7.60	9.00	10.80	
FA	IR HAV	/EN	MAII	N ST	REE	Т	FYG - FLUORESCENT YELLOW-GREEN																	
	STA. 90+77	RT	R7-5 L	12	18		2 HOUR PARKING				1	1	1		1	1		15						
	STA. 90+89	LT	R8-3	24	24		NO PARKING						1		1									
	STA. 90+95	LT	R7-107	12	18		BUS STOP	1.50								1		15						
	STA. 91+39	RT	VD3-1	UNKN	UNKN		MAPLEST						1		1									
			R6-1L	36	12		ONE WAY LEFT						1											
			R6-1R	36	12		ONE WAY RIGHT						1											
			VD-700	6	10		MM 0041,1107,0174						1											
			VD3-1	42	12		Maple st	5.25								1		15						
			R6-1L	36	12		ONE WAY	3.00																
			R6-1R	36	12		IONE WAY	3.00																
			VD-700	6	10		0041 1107 0174	0.42																
	STA. 91+62	LT	UNKN	12	18		EV PARKING ONLY						1		1									
	STA. 91+68	LT	D9-11b	24	24		ELECTRIC V EHICLES						1		1									
	STA. 91+72	RT	R7-5 L	12	18		2 HOUR PARKING				1	1	1		1	1		15						
	STA. 92+88	LT	R7-8	12	18			1.50								1		15						
			R7-8A	18	9		V A N A C C E S S I B L E	1.13									0	75	0					
S	IGN S	SUN		Y SI	HEE	т	SHEET TOTALS	15.80 <=	0.00 9e	0	2	2 =^	9 EA		6 FA	5	0	150	0 FT			0	0	
								ЗГ	SF			L74	ĽA		Ľ⁄4							LD	LD	
							TOWN TOTALS	64.49	0	0	19	19	37	0	24	26	0	390	0		0	0	0	

5.00	QUIRED			SIGN DETA	\IL
14.60	SIGN FRAME REC	REMARKS	DETAIL IN SHSM	DETAIL ON SHEET NUMBER	DETAIL ON STD SHEET NUMBER
		"SHSM" - STANDARD HIGHWAY SIGNS AND MARKINGS			
			Х		
		ВАСК ТО ВАСК			
		ВАСК ТО ВАСК			
		DOUBLE SIDED SIGN, AREA HAS BEEN MULTIPLIED BY 1.5		DETAIL SHEET 1	
		BACK TO BACK			
		BACK TO BACK			
0		PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12)			
0		FILE NAME: 628664†sss.dgn PROJECT LEADER: B.BRESLEND DESIGNED BY: S.SOLLA TRAFFIC SIGN SUMMARY SHEET 3	PLO DRA CHE SHE	OT DATE: 5- WN BY: 0.D CKED BY:C.L ET 26 OF	DEC-2023 ALMER ATHROP 4I

								NEVV	SIGNS	EX	(ISTIN	G SIGI	NS	EXI PO	ST ST	POSTS	SQU/	ARE S (in)	TEEL		TUB	ULAR Ø (IN	STEEL J)	
	Ц	N CODE	CODE			g remarks	SIGN LEGEND	"A"	"B"	ETAIN	ET FROM	SET TO	MOVE	ETAIN	MOVE	BER OF NEW	(LB / F	T)	JNDATION	7.00		/ FT)	
DIR	MILEPOII	LOCATIC	MUTCD (WIDTH	HEIGHT	SHEETIN				R	RESE	REG	RE	RE	RE	NUM	1.88	2.42	3.35	FOL	7.60	9.00	10.80	
FA	IR HAV	'EN	MAI	N ST	REE	Т	FYG - FLUORESCENT YELLOW-GREEN																	
	STA. 93+20	LT	W11-2	30	30		<	6.25								1		15						
			W16-7P	24	12			2.00																
	STA. 93+22	LT	UNKN	UNKN	UNKN		CLEAN UP AFTER YOUR DOG				1	1	1		1	1		15						
	STA. 93+39	RT	M3-1	24	12		NORTH						1		1									
			VM1-5	24	24		VT22A						1											
			M6-2L	21	15		DIAGONAL ARROW UP LEFT						1											
			UNKN	UNKN	UNKN		BLANK						1											
			M3-1	24	12	G/W	NORTH	2.00								1		15						
			VM1-5	24	24		22A	4.00																
			M6-2L	21	15	G/W		2.19																
	STA. 93+48	LT	R7-8	12	18		RESERVED PARKING	1.50								1		15						
	STA. 93+49	LT	W11-2	30	30		<	6.25								1		15						
			W16-7P	24	12			2.00																
	STA. 93+52	LT	R7-201P	12	6		TOW AWAY ZONE				1	1	1		1	1		15						
	STA 94+13		S1-1	36	36		SCHOOL CROSSING				1	1	1		1	1		15						
			W16-9P	24	12		AHEAD				1	1	1											
S	SIGN SUMMARY SHEET				HEE	ET	SHEET TOTALS	26.19 SF	0.00 SF	0 EA	4 EA	4 EA	8 EA	0 EA	4 EA	7 EA	0 FT	105 FT	0 FT		0 LB	0 LB	0 LB	
							TOWN TOTALS	64.49	0	0	19	19	37	0	24	26	0	390	0		0	0	0	

5.00	QUIRED			SIGN DETA	\IL
14.60	SIGN FRAME REC	REMARKS	DETAIL IN SHSM	DETAIL ON SHEET NUMBER	DETAIL ON STD SHEET NUMBER
		"SHSM" - STANDARD HIGHWAY SIGNS AND MARKINGS			
		FLUORESCENT Y ELLOW-GREEN	Х		
		FLUORESCENT Y ELLOW-GREEN	х		
			Х		
					E-136B
			Х		
		FLUORESCENT Y ELLOW-GREEN	Х		
		FLUORESCENT Y ELLOW-GREEN	Х		
		project name: FAIR HAVEN			
LB		PROJECT NUMBER: STP BP21(12) FILE NAME: 628664tsss.dgn	PLO	T DATE: 5-	DEC-2023
0		PROJECT LEADER: B. BRESLEND DESIGNED BY: S. SOLLA TRAFFIC SIGN SUMMARY SHEET 4	DRA CHE SHE	WN BY: O.D CKED BY:C.L ET 27 OF	ALMER ATHROP 4I

								· · · ·		<u> </u>										_		-	
								NEVV	SIGNS	EX	(ISTIN)	G SIGI	NS	EXIST POST		OSTS	SQU	ARES (in)	TEEL		TUB	ULAR Ø(IN	STEEL I)
						KS		<u> </u>									1.75	2.00 LB / F	2.50 T)		3.00	3.50 (LB	4.00 / FT)
DIR	MILEPOINT	LOCATION CODE	MUTCD CODE	WIDTH	HEIGHT	SHEETING REMAR	SIGN LEGEND	"A"	"B"	RETAIN	RESET FROM	RESET TO	REMOVE	RETAIN	REMOVE	NUMBER OF NE	1.88	2.42	3.35	FOUNDATION	7.60	9.00	10.80
FAIR HAVEN MAIN STREET		Т	FYG - FLUORESCENT YELLOW-GREEN																				
	STA. 94+40	RT	R7-5 R&L	12	18		TWO HOUR PARKING> <				1	1	1		1	1		15					
	STA. 94+66	LT	R1-2	36	36		YIELD				1	1	1		1	1		15					
	STA. 95+00	RT	W11-2	30	30		A	6.25								1		15					
			W16-7P	24	12			2.00															
S	IGN S	SUN	IMA R	Y S	HEE	ΞТ	SHEET TOTALS	8.25	0.00	0	2	2	2	0	2	3	0	45	0		0	0	0
								55	55		EA	EA	EA		EA						LB	LD	LD
							I I I I I I I I I I I I I I I I I I I	64.49	0.00	0	19	19	37	0	24	26	0	390	0		0	0	0

5.00	QUIRED			SIGN DETA	\IL
14.60	SIGN FRAME RE		DETAIL IN SHSM	DETAIL ON SHEET NUMBER	DETAIL ON STD SHEET NUMBER
		"SHSM" - STANDARD HIGHWAY SIGNS AND MARKINGS			
		FLUORESCENT Y ELLOW-GREEN	Х		
		FLUORESCENT Y ELLOW-GREEN	Х		
	r				
0 LB		PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12)			
0		FILE NAME: 628664tsss.dgn PROJECT LEADER: B.BRESLEND DESIGNED BY: S.SOLLA TRAFFIC SIGN SUMMARY SHEET 5	PLO DRA CHE SHE	T DATE: 5- WN BY: O.D CKED BY:C.L ET 28 OF	DEC-2023 ALMER ATHROP 4I



COAT CHUTE DETAIL

EXISTING BRICKED WINDOW WELL



<u>seed</u> STA. STA. 88+55 - STA. 91+25 LT

<u>FERTILIZER</u> STA. STA. 88+55 - STA. 91+25 LT

<u>agricultural limestone</u> STA. STA. 88+55 - STA. 91+25 LT

<u>topsoil</u> STA. STA. 88+55 - STA. 91+25 LT

<u>hay Mulch</u> STA. STA. 88+55 - STA. 91+25 LT









SCALE I'' = 10'-0'' 10 0 10

PROJECT NUMBER: STP BP21(12)	
FILE NAME: 628664_xs.dgn	PLOT DATE: 12/5/2023
PROJECT LEADER: B. BRESLEND	DRAWN BY: O.DALMER
DESIGNED BY: T. MATTHEWS	CHECKED BY: B. BRESLEND
CROSS SECTION SHEET I	SHEET 32 OF 41

SCALE I'' = IO'-O'' IO 0 IO

ois	project name: FAIR HAVEN project number: STP BP21(12)	
g ^{inc.}	FILE NAME: 628664_xs.dgn PROJECT LEADER: B. BRESLEND	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER
TA.89+75	DESIGNED BY: T. MATTHEWS CROSS SECTION SHEET 3	CHECKED BY: B. BRESLEND SHEET 34 OF 41

SCALE I'' = IO'-O'' IO 0 IO

İS	project name: FAIR HAVEN project number: STP BP21(12)	
TA. 90+50	FILE NAME: 628664_xs.dgn PROJECT LEADER: B.BRESLEND DESIGNED BY: T. MATTHEWS CROSS SECTION SHEET 4	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY: B.BRESLEND SHEET 35 OF 41

SCALE I'' = IO'-O'' IO 0 IO

S	project name: FAIR HAVEN project number: STP BP21(12)	
J ^{inc.}	FILE NAME: 628664_xs.dgn PROJECT LEADER: B.BRESLEND	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER
TA.95+75	DESIGNED BY: T. MATTHEWS CROSS SECTION SHEET 8	CHECKED BY: B. BRESLEND SHEET 39 OF 41

3. AVOID DISPLAYING OVERLY SIMPLISTIC MESSAGES THAT ADD LITTLE VALUE TO OTHER SIGNS OR DEVICES USED IN THE WORK ZONE. "USE CAUTION", "SLOW", EVEN "ROAD WORK AHEAD" ON A PCMS QUICKLY BECOME IGNORED BY DRIVERS, FORCING PCMS TO LOSE THEIR EFFECTIVENESS IN CHANGING DRIVER BEHAVIOR. PROVIDE DRIVERS WITH CLEAR REASONS FOR FOCUSING THEIR ATTENTION AND CHANGING THEIR DRIVING BEHAVIORS AS THEY ENTER AND DRIVE THROUGH THE WORK ZONE - E.G. "WORKERS IN ROAD" OR "LANE NARROWS".

	ROAD WORK AHEAD	ROAD Work 500 Ft	ROAD Work 100 Ft	SIDE ROAD WORK AHEAD	PCMS	END Road Work	FLAGGER AHEAD	GATE POST
FAIR HAVEN								
BEGIN PROJECT - VT ROUTE 22A	2	2				Ι	I	
LIBERTY ST			2	2		Ι		
RIVER ST			2	2		I		
MARLBLE ST			2	2		I		
VT ROUTE 4A				2				
N PARK PL FORK				2		I		
N PARK PL FORK			2					
WASHINGTON ST				2		l		
END PROJECT - VT ROUTE 22A	2	2			Ι	I		

LENGTH OF C	_OSURE	MAX.	DHV	N
2500 FT		500		
1500 FT 1000 FT		1000		I

JUR

NOT TO

7500 11500

SK	PROJECT NAME: FAIR HAVEN PROJECT NUMBER: STP BP21(12)	
SCALE	FILE NAME: 628664_cas.dgn PROJECT LEADER: B. BRESLEND DESIGNED BY: T. MATTHEWS CONSTRUCTION APPROACH SIGNING SHEET	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY:B.BRESLEND SHEET 40 OF 41

TRAFFIC CONTROL NOTES

Ι.	THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN PER SUBSECTION 105 TO THE ENGINEER. CONSTRUCTION OPERATIONS SHALL NOT COMMENCE UNTIL THE PLAN HAS BEEN ACCEPTED BY THE ENGINEER. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.11 "TRAFFIC CONTROL, ALL INCLUSIVE". THE TRAFFIC CONTROL PLAN SHALL BE IN COMPLIANCE WITH VTRANS STANDARDS AND 2009 MUTCD. WHERE CONFLICTS EXIST, THE 2009 MUTCD SHALL GOVERN.	12.
2.	THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THE TRAFFIC CONTROL NOTES AND PART 6 OF THE 2009 MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.11, "TRAFFIC CONTROL, ALL-INCLUSIVE".	14 . 15.
3.	THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES, OR COORDINATE EMERGENCY ROUTES PRIOR TO THE START OF CONSTRUCTION.	16.
4.	A MINIMUM TRAVEL LANE WIDTH OF II FEET SHALL BE MAINTAINED IN BOTH DIRECTIONS.	7.
5.	IT IS RECOMMENDED THAT WITH A NARROW LANE WIDTH OF II FT THAT BICYCLES ARE HELD TO THE END OF THE QUEUE BEFORE BEING RELEASED SO THEY ARE NOT COMPETING FOR LANE SPACE WITHIN THE ONE LANE CLOSURE	18.
6.	THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES OR COORDINATE EMERGENCY ROUTES PRIOR TO THE START OF CONSTRUCTION. MAINTAIN ACCESS TO ALL COMMERCIAL AND MUNICIPAL PROPERTIES DURING BUSINESS HOURS. ACCESS TO RESIDENTIAL PROPERTIES MAY BE RESTRICTED FOR A SHORT DURATION (A FEW HOURS). THIS WORK SHALL BE COORDINATED WITH THE OWNER. COORDINATE MAJOR WORK ON COMMERCIAL OR MUNICIPAL ACCESSES WITH THE OWNER AT LEAST ONE WEEK PRIOR TO STARTING THE WORK. ALL ACCESSES SHALL ALSO BE KEPT FREE OF WORK AND TRAFFIC CONTROLLED BY UNIFORMED TRAFFIC OFFICERS OR FLAGGERS AS REQUIRED BY THE ENGINEER.	19. 20. 21.
7.	TRAFFIC SHALL NOT BE CHANGED FROM ONE TRAFFIC PATTERN TO THE NEXT TRAFFIC PATTERN UNTIL ALL TEMPORARY MARKINGS AND SIGNING WORK ARE COMPLETED. ANY CONFLICTING MARKINGS SHALL BE REMOVED. TRAFFIC SHALL BE RETURNED TO TWO WAY TRAFFIC AT THE END OF EACH WORK DAY.	22.
8.	PLEASE NOTE THAT THE UTO (UNIFORMED TRAFFIC OFFICER), UNDER AUTHORITY GRANTED BY LAW (TITLE 23 VSA) MAY DIRECT AND CONTROL TRAFFIC. SUITABLE EXAMPLES IN WORK MIGHT INCLUDE THE DIRECTION AND CONTROLS OF TRAFFIC AT INTERSECTIONS WHERE SIGNALS ARE NOT FUNCTIONING OR ARE MALFUNCTIONING. IN THESE CASES, THE PRESENCE OF THE BLUE LIGHT MAY NOT BE SUITABLE OR NECESSARY. THE WEARING OF DEPARTMENTALLY REQUIRED AND APPROVED REFLECTIVE GARMENTS IS REQUIRED.	23.
9.	THE BID PRICE FOR ITEM 641.11 "TRAFFIC CONTROL, ALL INCLUSIVE", SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VAOT STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY: 630.10 "UNIFORMED TRAFFIC OFFICER", AND 630.15 "FLAGGERS". IF PORTABLE ARROW BOARDS ARE IMPLEMENTED AS PART OF THE TRAFFIC CONTROL PACKAGE, THEN THEY SHALL BE USED IN CAUTION MODE.	Ι.
10.	THE 2009 MUTCD AND ITS LATEST REVISIONS SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES, VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED	2

II. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK. DRUMS SHALL BE USED TO CHANNELIZE OR DELINEATE ROAD USER FLOW. REFLECTORIZED CONES WILL BE USED TO DELINEATE COMMERCIAL DRIVES WITHIN THE WORK ZONE.

OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE

CONFORM WITH SUCH STANDARDS.

EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL

- AS THE CONSTRUCTION OPERATION MOVES, THE FLAGGER SIGNS SHALL BE MOVED 4. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 500 FT FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY IF FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.
- NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
- ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.11 "TRAFFIC CONTROL, ALL-INCLUSIVE".
- SIGN COVERING SHALL NOT DAMAGE THE RETRO-REFLECTIVITY OF THE SIGN FACE. ALSO, THE SIGN COVER SHALL NOT DETERIORATE FOR THE DURATION THAT THE SIGN IS COVERED
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
- DIAMOND SHAPED SIGNS SHALL BE 4.0'X 4.0' PER T-I WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS SPECIFIED IN THE SPECIAL PROVISIONS.
- WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
- FLAGGERS WILL ONLY HAVE THE AUTHORITY TO STOP AND RELEASE TRAFFIC. UNIFORMED TRAFFIC OFFICERS WILL BE NEEDED WHEN INTERSECTIONS AND TURN LANES ARE IMPACTED AS PART OF THE CONSTRUCTION OPERATIONS.
- IT IS IMPORTANT THAT CYCLIST'S ROUTES ARE FREE OF RUTS, SAND, AND MUD TO PREVENT CYCLIST'S CRASHES. A FOUR (4) FOOT MINIMUM, FIVE (5) FOOT PREFERRED WIDTH SHOULD BE MAINTAINED THROUGH WORK ZONES TO ACCOMMODATE BICYCLES.
- ACCOMMODATIONS FOR POSTAL DELIVERERS, NEWSPAPER ROUTES, TRASH SERVICES AND/OR OTHER DELIVERY SERVICES INTERRUPTED BY THE PROJECT OR DETOUR SHOULD BE COMMUNICATED WITH THE PROPER CONTACTS.
- WHEN SCHOOL IS IN SESSION, SCHOOL BUS STOP ACCOMMODATIONS ARE REQUIRED. LOCATIONS WILL NEED TO BE COORDINATED WITH THE LOCAL SCHOOL TRANSPORTATION COORDINATOR. ADDITIONAL FLAGGERS WILL BE STATIONED AT THESE LOCATIONS DURING TYPICAL MORNING PICK-UP AND AFTERNOON DROP-OFF TIME PERIODS WHILE WORK IS PERFORMED IN THESE AREAS.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH A PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. THE COST OF PREPARING THIS PLAN (MAKING CHANGES IF NECESSARY) WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE UNIT BID PRICE OF ITEM 641.11 TRAFFIC CONTROL, ALL INCLUSIVE.
- 2. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER. ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) . PART 6.
- 3. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES, COMMERCIAL PROPERTIES AND TRANSIT STOPS. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.

- CROSSWALK.
- PEDESTRIAN USING A CANE.

- INCLUSIVE).

NOT TO

SHALL BE ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCED NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF FOUR FEET. IF THE TPAR IS LESS THAN FIVE FEET IN WIDTH, A FIVE FOOT BY FIVE FOOT PASSING SPACE MUST BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE FIRM, STABLE AND SLIP-RESISTENT AND CONTINUOUS WITH A MINIMUM OF 80 INCHES OVERHEAD CLEARANCE FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.

5. WHEN TEMPORARY CROSSWALKS ARE UTILIZED FOR THE TPAR, TEMPORARY DETECTABLE WARNING SURFACES SHALL BE PLACED AT EACH END OF THE TEMPORARY CROSSWALKS. THE TEMPORARY CROSSWALK SHALL BE DELINEATED WITH TEMPORARY PAVEMENT MARKINGS OR TAPE. THE MARKINGS SHALL BE PARALLEL 12-INCH-WIDE WHITE LINES PLACED SEVEN FEET ON CENTER APART. IT SHOULD BE NOTED THAT CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 20 FEET IN ADVANCE OF MIDBLOCK CROSSWALKS. TEMPORARY CROSSWALK SIGNS SHALL BE PROVIDED FOR THE

6. SIDEWALK CLOSED SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES SO THAT THE BOTTOM OF THE BARRICADE IS DETECTABLE TO A VISUALLY IMPAIRED

7. INDIVIDUAL CHANNELIZING DEVICES, TAPE OR ROPE USED TO CONNECT INDIVIDUAL DEVICES AND OTHER DISCONTINUOUS BARRIERS AND DEVICES AND PAVEMENT MARKINGS ARE NOT DETECTABLE BY PERSONS WITH VISUAL DISABILITIES. THESE MEASURES DO NOT PROVIDE ACCEPTABLE PATH GUIDANCE ON TEMPORARY OR RE-ALIGNED SIDEWALKS OR OTHER PEDESTRIAN FACILITIES. PEDESTRIAN CHANNELIZING DEVICES SHALL INCLUDE A CONTINUOUSLY DETECTABLE BOTTOM AND TOP EDGE THROUGHOUT THE LENGTH OF THE FACILITY SUCH THAT IT CAN BE FOLLOWED BY PEDESTRIANS USING LONG CANES FOR GUIDANCE.

8. CHANNELIZING DEVICES ON BOTH SIDES OF THE TPAR SHALL CONTINUE IN A CONTINUOUS SOLID TOP AND BOTTOM RAILS. THE TOP EDGE OF THE TOP RAIL SHALL BE BETWEEN 32 INCHES AND 38 INCHES ABOVE THE GROUND LEVEL. THE BOTTOM RAIL SHALL BE AT LEAST 6 INCHES WIDE, WITH THE BOTTOM EDGE OF THE RAIL SURFACE NO HIGHER THAN TWO INCHES ABOVE THE GROUND.

9. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/ EQUIPMENT. OR DROP-OFFS. THEN CRASHWORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.

IO. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS. EQUIPMENT OR SIGNS IN THE PEDESTRIAN TRAVEL PATH.

II. PROVISION OF THE TPAR AND ALL ITS ELEMENTS, INCLUDING BUT NOT LIMITED TO SIGNS, CHANNELIZING DEVICES, BARRICADES, TEMPORARY CURB RAMPS, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES IS TO BE PAID INCIDENTAL TO TRAFFIC CONTROL (ITEM 641.II TRAFFIC CONTROL, ALL

12. THE CONTRACTOR MAY PROPOSE ALTERNATIVE SHORT-TERM PEDESTRIAN TRAFFIC CONTROL PLANS INSTEAD OF USING THE CONCEPTS INCLUDED HEREIN. ALTERNATE PEDESTRIAN TRAFFIC CONTROL PLANS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VERMONT AND SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.

13. THE CONTRACTOR SHALL REVIEW AND USE "THE BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE, ' AVAILABLE ON THE VTRANS WEBSITE, TO INCORPORATE THE APPLICABLE BICYCLE AND PEDESTRIAN TRAFFIC CONTROL INTO THEIR SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION.

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SCALE	FILE NAME: 628664_cas.dgn PROJECT LEADER: B. BRESLEND DESIGNED BY: T. MATTHEWS	PLOT DATE: 12/5/2023 DRAWN BY: O.DALMER CHECKED BY: B.BRESLEND
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