Online Shared Review

PROJECT IN	FORMATION	DOCUMENTS FOR REVIEW AND FILES LOCATION	TIME LINES
Proj. Name and Number: EA No.: BP17002 Project Manager: Jon Kapplar Program: Municipal Assistance District: District 1 Traffic Signal: Yes	PPMS: 17F243	PLANS FILE LOCATION: Concept Plans 083018 ESTIMATE FILE LOCATION:	SUBMITTED: 09-07-2018 DEADLINE: 09-28-2018 COMPLETED: 10-02-2018
Trairic Signal. 165		INVITEES FOR REVIEW	
REVIEWED By christopher taft (christopher.taft@vermont.gov) at 11:07 am, Sep 26, 2018 REVIEWED By Greg Krizan (Greg.Krizan@vermont.gov) at 10:55 am, Sep 10, 2018	MAB Bicycle and Pedestrian Program Unit REVIEWED By Jon Kaplan (Jon.kaplan@vermont.gov) at 12:52 pm, Sep 26, 2018	REVIEWED By Alan Legacy (alan.legacy@vermont.gov) at 10:39 am, Sep 19, 2018 REVIEWED By Heather Voisin (heather.voisin@vermont.gov) at 3:37 pm, Sep 28, 2018 Integral Abutment REVIEWED By Heather Voisin (heather.voisin@vermont.gov) at 3:37 pm, Sep 28, 2018	Rail Bureau
District 1 MOB TSMO Traffic Operations	REVIEWED By Matthew Colburn (matthew.colburn@vermont.gov) at 11:02 am, Sep 10, 2018	REVIEWED By Judy Gilmore (judy, gilmore @vermont.gov) at 11:04 am, Sep 12, 2018 CMB Materials Testing and Certification Section CMB Materials Testing and Certification Section	Civil Rights Others:
REVIEWED By Nancy Avery (nancy.avery@vermont.gov) at 2:13 pm, Sep 10, 2018 REVIEWED By Joseph Kelly (joe.kelly@vermont.gov) at 9:45 am, Sep 24, 2018 MOB Technical Services	PDB Structural Section	In On-line review. Jon Ross In On-line review.	Degutis Lemieux s Gouin Armstrong REVIEWED
Didn't participate in On-line review.	PDB Survey Section	Their CMB Geotechnical Engineering Section REVIEWED By Keith Friedland (Keith.friedland@vermont.gov) at 4:00 pm, Sep 20, 2018 Their CMB Geotechnical Engineering Section Their CMB Geotechnical Engineering Projects Their CMB Geotechnical Engineering Projects Their CMB Geotechnical Engineering Section REVIEWED in On-line review.	resa Gilman (theresa.gilman@vermont.gov) at 10:24 am, Sep 28, 2018 g Digiammarino //EWED s Gouin (ross.gouin@vermont.gov) at 7:52 am, Sep 12, 2018 VIEWED n Lemieux (jon.lemieux@vermont.gov) at 2:49 pm, Sep 10, 2018
Review Focus Notes: Design Consultant response p	eriod 10/1/18 through 10/15/	18	Print Form Clear Form Submit by Email

Why is a non-AOT title sheet being used?

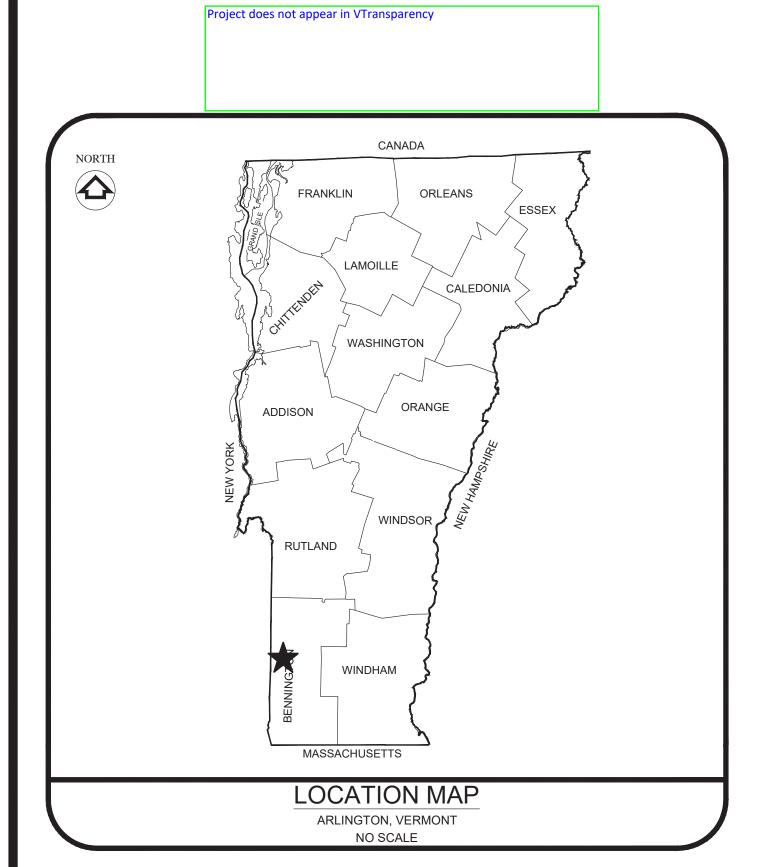
PLANS FOR CONSTRUCTION OF RECREATION PARK PEDESTRIAN ACCESS

ARLINGTON, BENNINGTON COUNTY, VERMONT

ARLINGTON STP BP17(12)

VERMONT ROUTE 7A (VILLAGE, PRINCIPAL ARTERIAL)

AUGUST 30, 2018



SHEET	TITLE	
	COVER	
G1	GENERAL NOTES, LEGEND, ABBREVIATIONS AND SIGN SUMMARY TABLE	TRAFFIC
C1	SITE PLAN AND PROFILE STA 0+00 TO 6+00	
C2	SITE PLAN AND PROFILE STA 6+00 TO 12+00	
C3	SITE PLAN AND PROFILE STA 12+00 TO 14+89	
C4	LAYOUT PLAN	
C5	CROSS SECTIONS STA 0+00 TO 7+50	
C6	CROSS SECTIONS 7+85 TO 14+75	
C7	TYPICAL DETAILS	Add E-121
T1	TRAFFIC CONTROL PLAN	134 2 121
R1	RIGHT-OF-WAY PLAN (NOT INCLUDED)	
R2	RIGHT-OF-WAY DETAIL SHEET (NOT INCLUDED)	

()
	INDEX OF VAOT STANDARDS		
SHEE	TITLE	DATE	If the intention
C-2A	PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES WITH SIDEWALK ADJACENT TO CURB	10-14-05	create a speci provision for y own curb and
C-2B	PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES WITH SIDEWALK AND GREEN STRIP	10-14-05	use the VTran
C-3B	SIDEWALK RAMPS AND MEDIAN ISLANDS	03-10-08	C10 standard
C-10	CURBING <	02-11-08	altogether and details to
E-12′	STANDARD SIGN PLACEMENT CONVENTIONAL ROAD	08-08-95	incorporate he
T-1	TRAFFIC CONTROL GENERAL NOTES	08-06-12 🗲	incorrect d
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	08-06-12	4-25-16
T-28	CONSTRUCTION SIGN DETAILS	08-06-12	
T-45	SQUARE TUBE SIGN POST AND ANCHOR OT STANDARDS ARE INCLUDED IN 11X17 FORMAT IN THE APPENDICES OF THE SPE	01-02-13	
	they should get included (all of them listed here)	at the	please expand this

|they should get included (all of them listed here) at the

VTrans QAP level

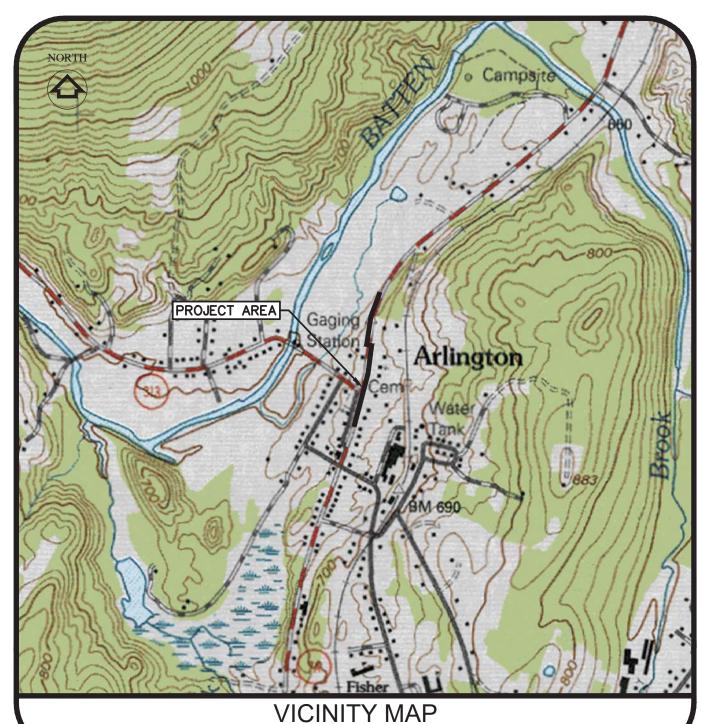
survey datum?

BEGINNING ON ROUTE 7A NORTH OF THE TOWN OFFICE AND EXTENDING APPROXIMATELY 755 LF NORTI PROJECT LOCATION: ALONG THE EAST SIDE OF THE ROAD TO A NEW CROSSWALK ACROSS ROUTE 7A, THEN CONTINUING ON THE

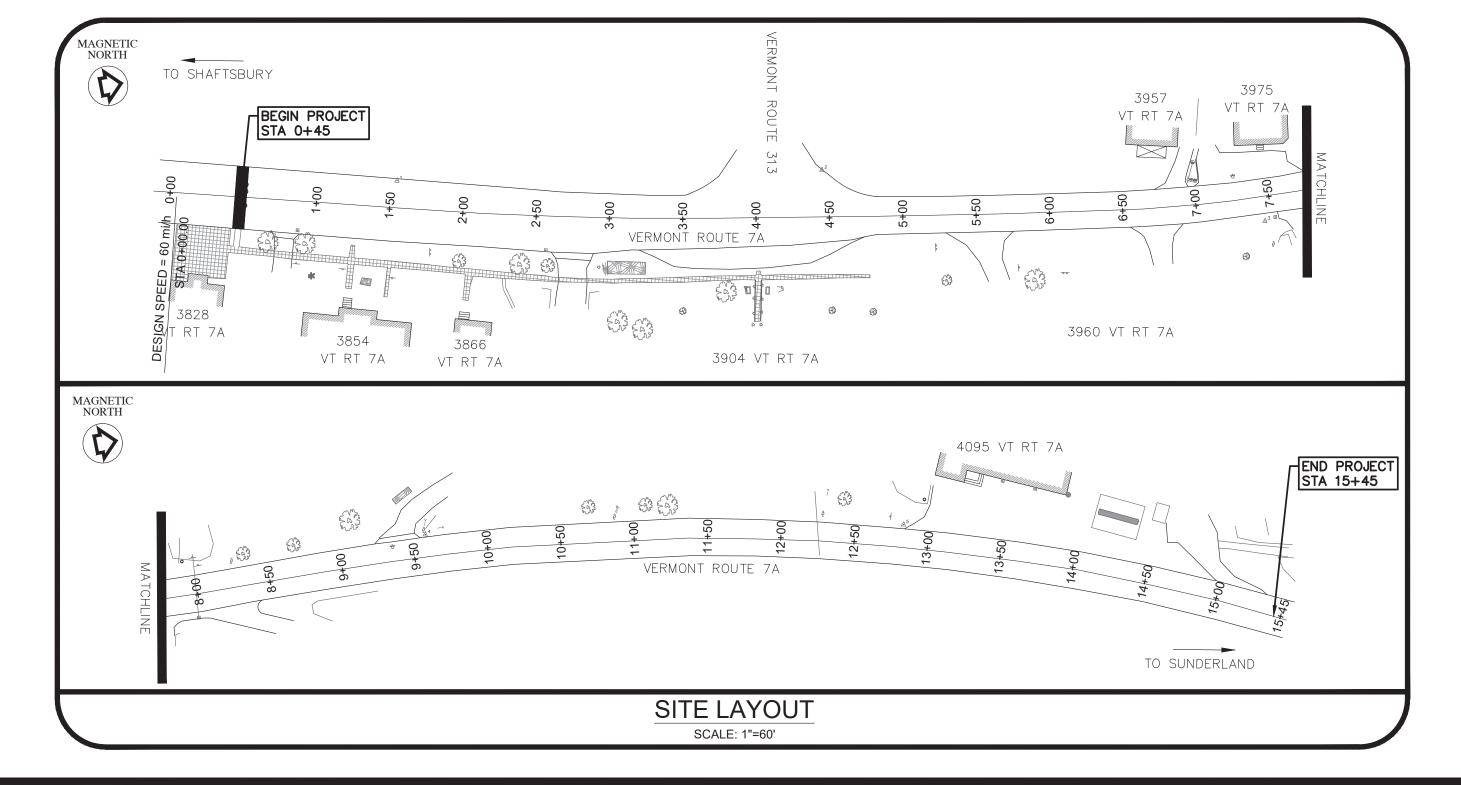
WEST SIDE OF THE ROAD APPROXIMATELY 700 LF NORTH FROM 3975 ROUTE 7A TO THE EXISTING TRAIL TO THE RECREATION PARK ON THE NORTH SIDE OF THE CHEM CLEAN PARKING LOT

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE CONSTRUCTION OF SIDEWALK, CURB, DRAINAGE IMPROVEMENTS AND CROSSWALK WITH RRFB SIGNALS.

LENGTH OF PROJECT : 1,500 FEET (1,455 LINEAR FEET OF SIDEWALK/PATHWAY)



SCALE: 1"=1000'



PROJECT OFFICIALS

SELECTBOARD MEMBERS KEITH SQUIRES (CHAIR) CYNTHIA BROWNING provision for your DANIEL HARVEY REGINALD JENNINGS, JR TIMOTHY WILLIAMS together and draft LOCAL PROJECT MANAGER MARK ANDERS (BCRC) QUALITY ASSURANCE PROGRAM - LEVEL 3

need to add a note

these plans and

VTrans spec book.

CONCEPTUAL DESIGN NOT FOR CONSTRUCTION

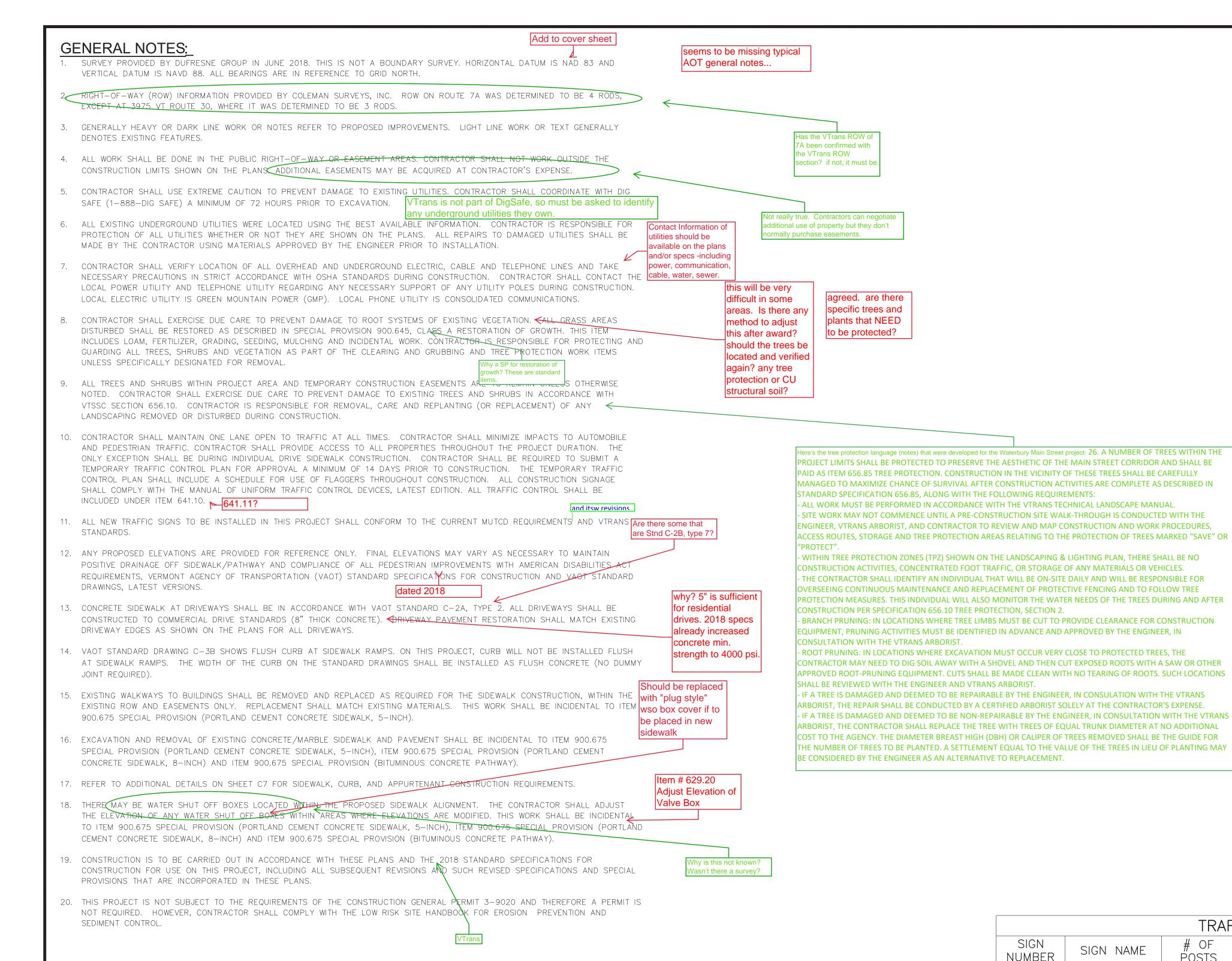


DUFRESNE GROUP CONSULTING ENGINEERS

56 Main Street, Suite 200 Springfield, Vermont 05156 E-mail: info@dufresnegroup.com Web: www.dufresnegroup.com

Springfield, VT • Tel: (802) 674-2904 Fax: (802) 674-2913 Barre, VT • Tel: (802) 479-3698 St. Johnsbury, VT • Tel: (802) 748-8605 Manchester, VT • Tel: (802) 768-8291

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LEGEND					
EXISTING		PROPOSED			
502	MINOR CONTOUR		CONCRETE SIDEWALK		
<u> </u>	MAJOR CONTOUR		MARBLE SIDEWALK		
	PAVED ROAD/DRIVE	<u> </u>	BIT. CONC. PATHWAY		
	GRAVEL ROAD/DRIVE		CURB		
. ~ .	TREELINE		CONSTRUCTION LIMITS		
	PROPERTY LINE		CROSSWALK		
	RIGHT OF WAY	///////////////////////////////////////	PAVEMENT		
	STONEWALL	HARAGA	GRAVEL SURFACE		
\Box	CATCH BASIN		SIGN		
₩ _Z .	WATER SHUT OFF	0 0 0	DETECTABLE WARNING		
₽	UTILITY POLE				
>	GUY WIRE				
-0-	SINGLE POLE SIGN				
-0 0	DOUBLE POLE SIGN				
MB -	MAILBOX				
0	IRON PIN/PIPE FOUND				
•	BENCHMARK				
<u>1</u>	TRAVER MARKER				
* •	TREE/SHRUB				
M	STUMP				
	MARBLE SIDEWALK				

ADDDE\/IATIONIC

ARREVIAI	IONS
CB	CATCH BASIN
CI	CAST IRON
CMP	CORRUGATED METAL PIPE
DI	DROP INLET
DIA	DIAMETER
EL	ELEVATION
HYD	FIRE HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IPF	IRON PIPE FOUND
RRFB	RECTANGULAR RAPID FLASHING BEACON
SMH	SEWER MANHOLE
TBM	TEMPORARY BENCH MARK
TYP	TYPICAL
VAOT	VERMONT AGENCY OF TRANSPORTATION
VTSSC	VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION
WSO	WATER SHUTOFF

WELDED WIRE REINFORCEMENT

hy not put this on the

TRAFFIC SIGN SUMMARY TABLE							
SIGN NUMBER	SIGN NAME	# OF POSTS	STATION	NOTES			
W11-2 (x2)	CROSSWALK SIGN	1	7+90R INSTALL CROSSWALK AND ARROW SIGNS BACK TO BACK ON SAME				
W16-7P (x2)	ARROW	ı	7 + 90K	WITH RRFB (ONE ARROW LEFT AND ONE ARROW RIGHT)			
W11-2 (x2)	CROSSWALK SIGN	1	7+91L	INSTALL CROSSWALK AND ARROW SIGNS BACK TO BACK ON SAME POST WITH RRFB (ONE ARROW LEFT AND ONE ARROW RIGHT)			
W16-7P (x2)	ARROW	I	7+91L				
W11-2	CROSSWALK SIGN	N/A	7+99L	REMOVE AND RESET SIGN AT APPROX. STA 9+70L			
W16-9P	AHEAD	IN/ A	7 + 9 9 L	REMOVE AND RESEL SIGN AT AFFROX. STA 9+70L			
R2-1	35 MPH SPEED LIMIT	N/A	12+68L	REMOVE AND RESET EXISTING SIGN AND POST AT APPROX. STA 12+25L			

1. ALL NEW SIGNS SHALL COMPLY WITH TRAFFIC ENGINEERING INSTRUCTION 16-200 AND MUTCD. 2. SIGN POSTS SHALL BE OF SUFFICIENT HEIGHT TO PROVIDE 7 FOOT VERTICAL CLEARANCE.

Make it clear about learance to what?

hile this may be true, is nis useful to the ontractor?

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56 Main Street, Suite 200

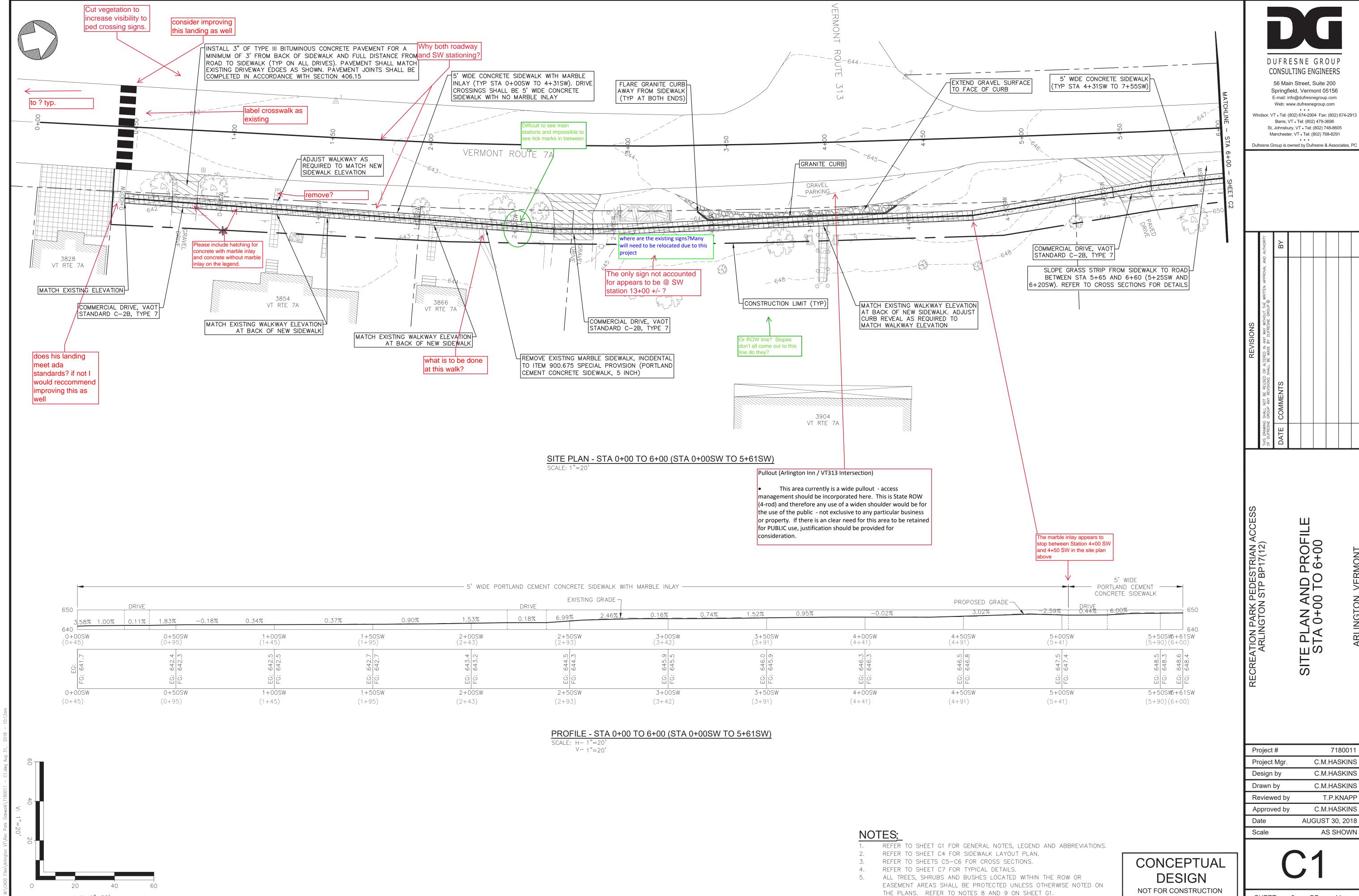
Springfield, Vermont 05156 E-mail: info@dufresnegroup.com Web: www.dufresnegroup.com

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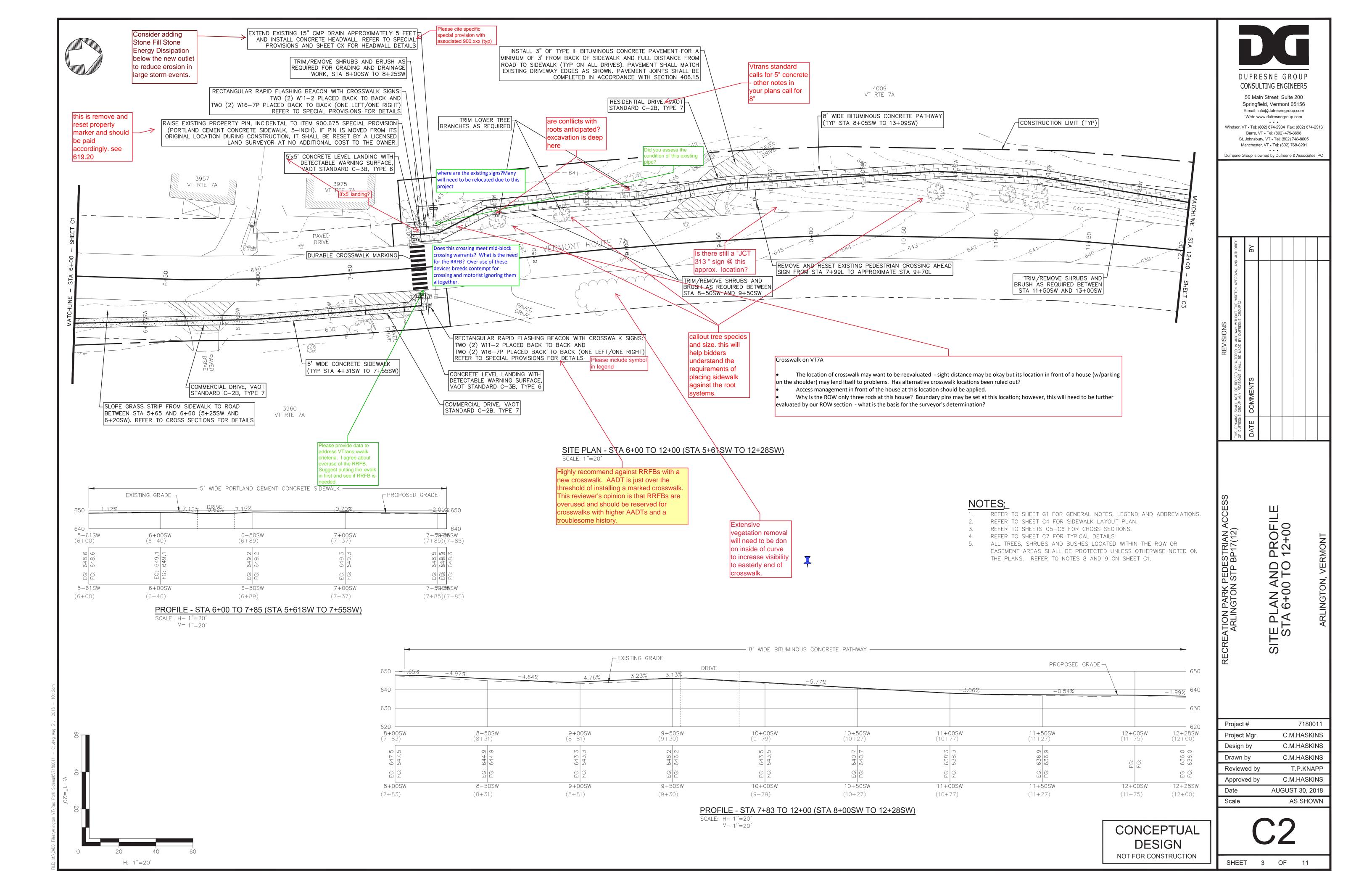
7180011 Project # C.M.HASKINS Project Mgr. C.M.HASKINS Design by Drawn by C.M.HASKINS T.P.KNAPP Reviewed by C.M.HASKINS Approved by AUGUST 30, 2018 Scale **AS SHOWN**

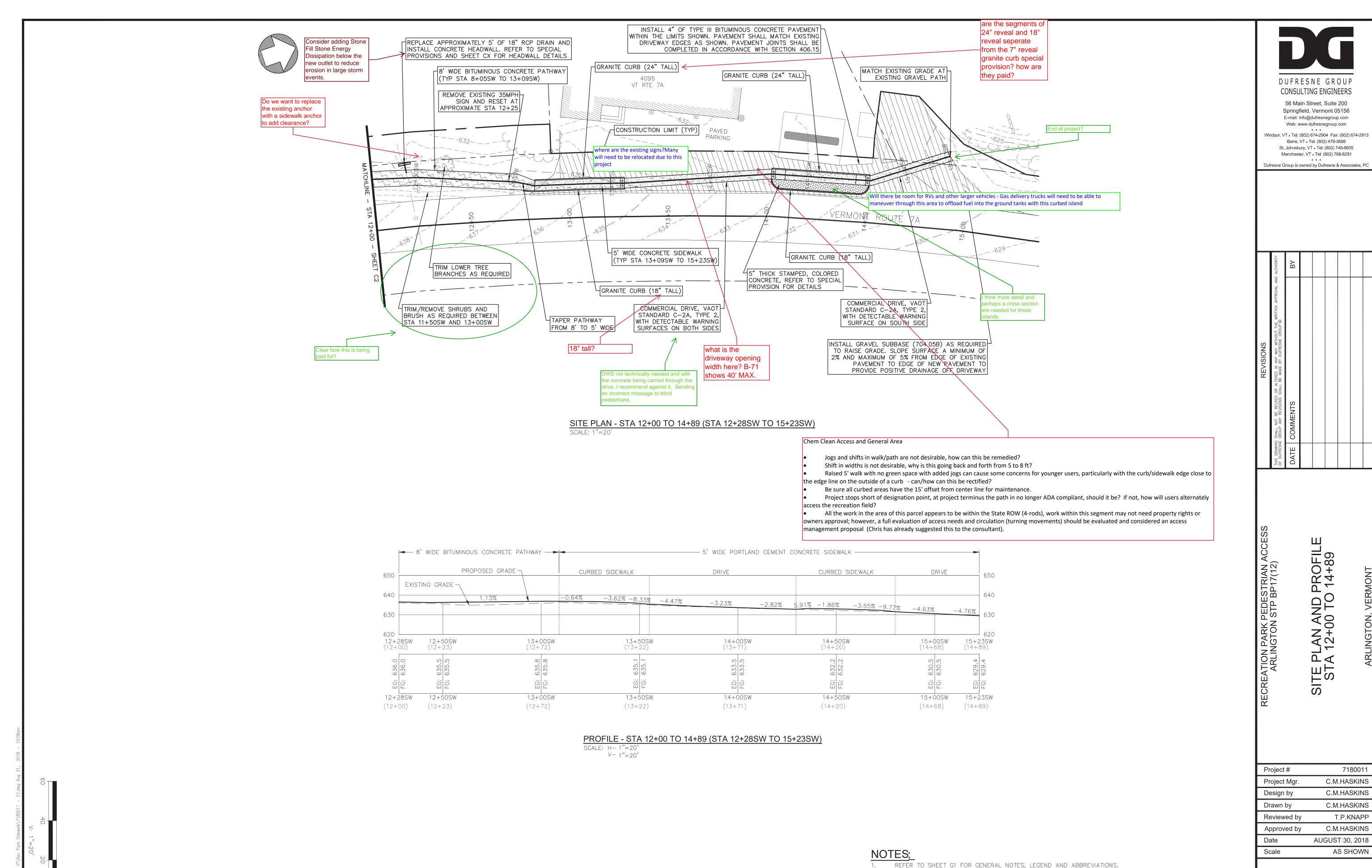
SHEET 1 OF 11



H: 1"=20'

SHEET 2 OF 11





H: 1"=20'

DESIGN

REFER TO SHEET C4 FOR SIDEWALK LAYOUT PLAN.

ALL TREES, SHRUBS AND BUSHES LOCATED WITHIN THE ROW OR

THE PLANS. REFER TO NOTES 8 AND 9 ON SHEET G1.

EASEMENT AREAS SHALL BE PROTECTED UNLESS OTHERWISE NOTED ON

REFER TO SHEETS C5-C6 FOR CROSS SECTIONS. REFER TO SHEET C7 FOR TYPICAL DETAILS.

CONCEPTUAL NOT FOR CONSTRUCTION

AN 2+(

7180011

C.M.HASKINS

C.M.HASKINS

C.M.HASKINS

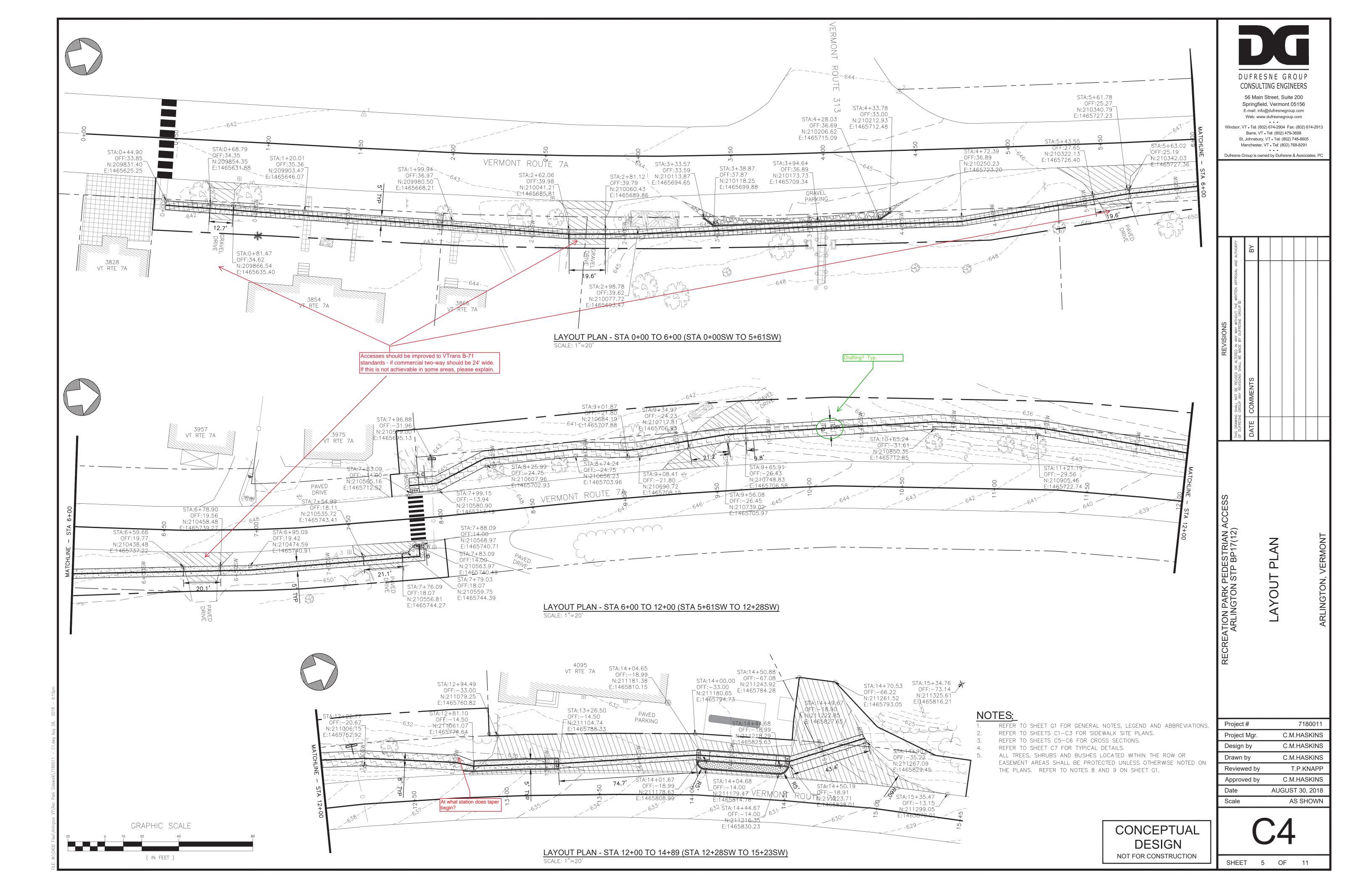
C.M.HASKINS

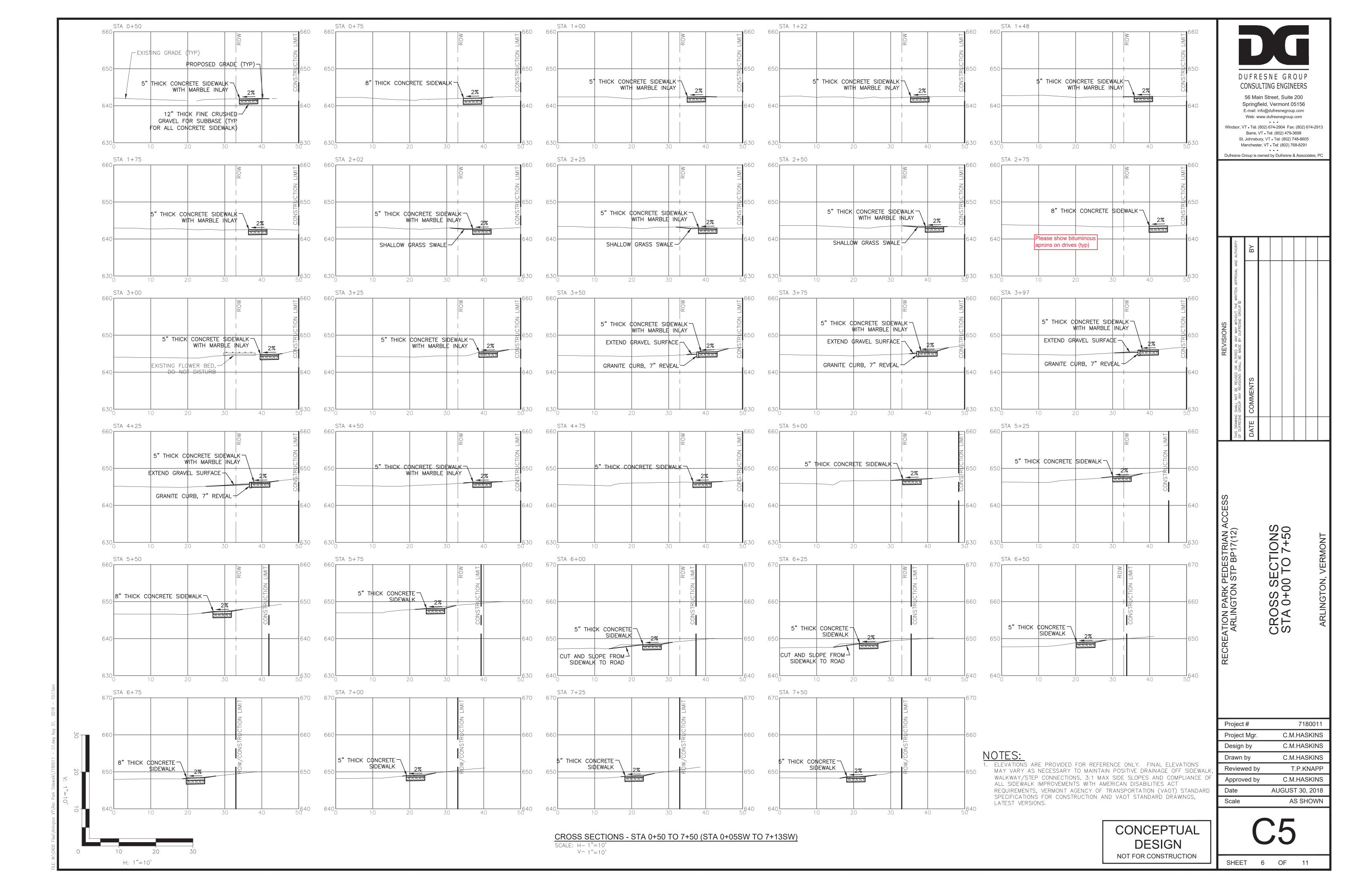
AUGUST 30, 2018

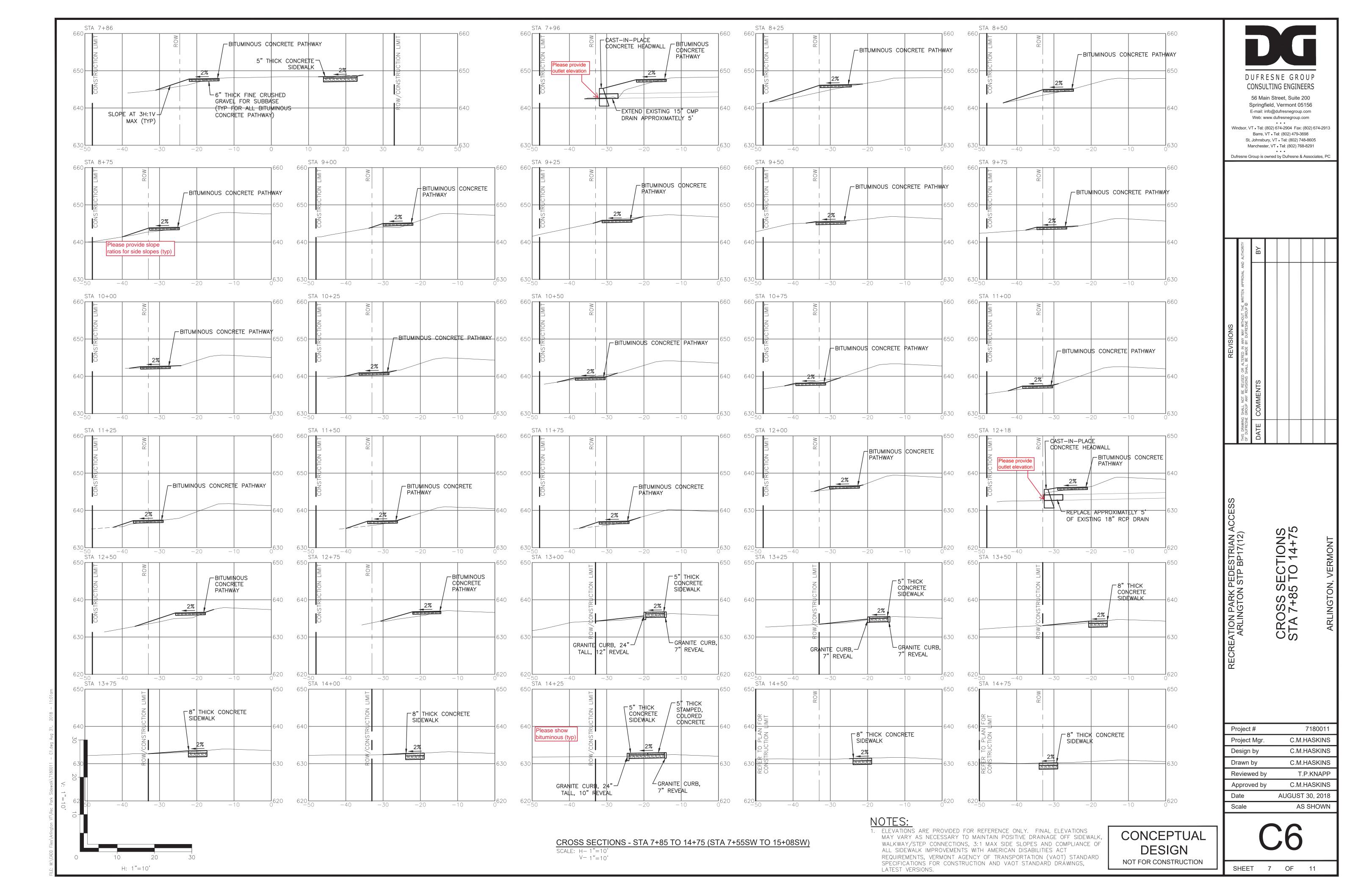
T.P.KNAPP

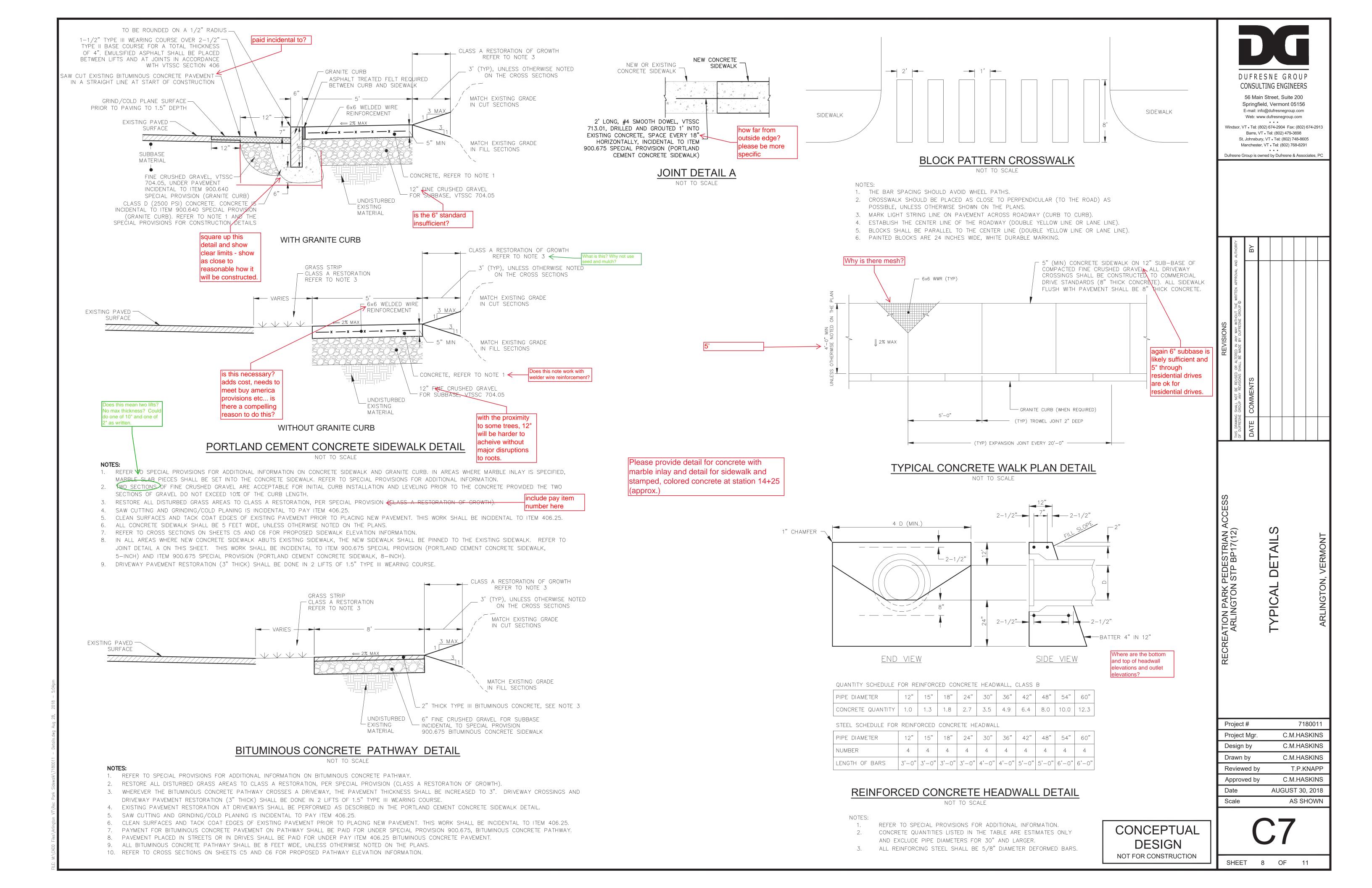
AS SHOWN

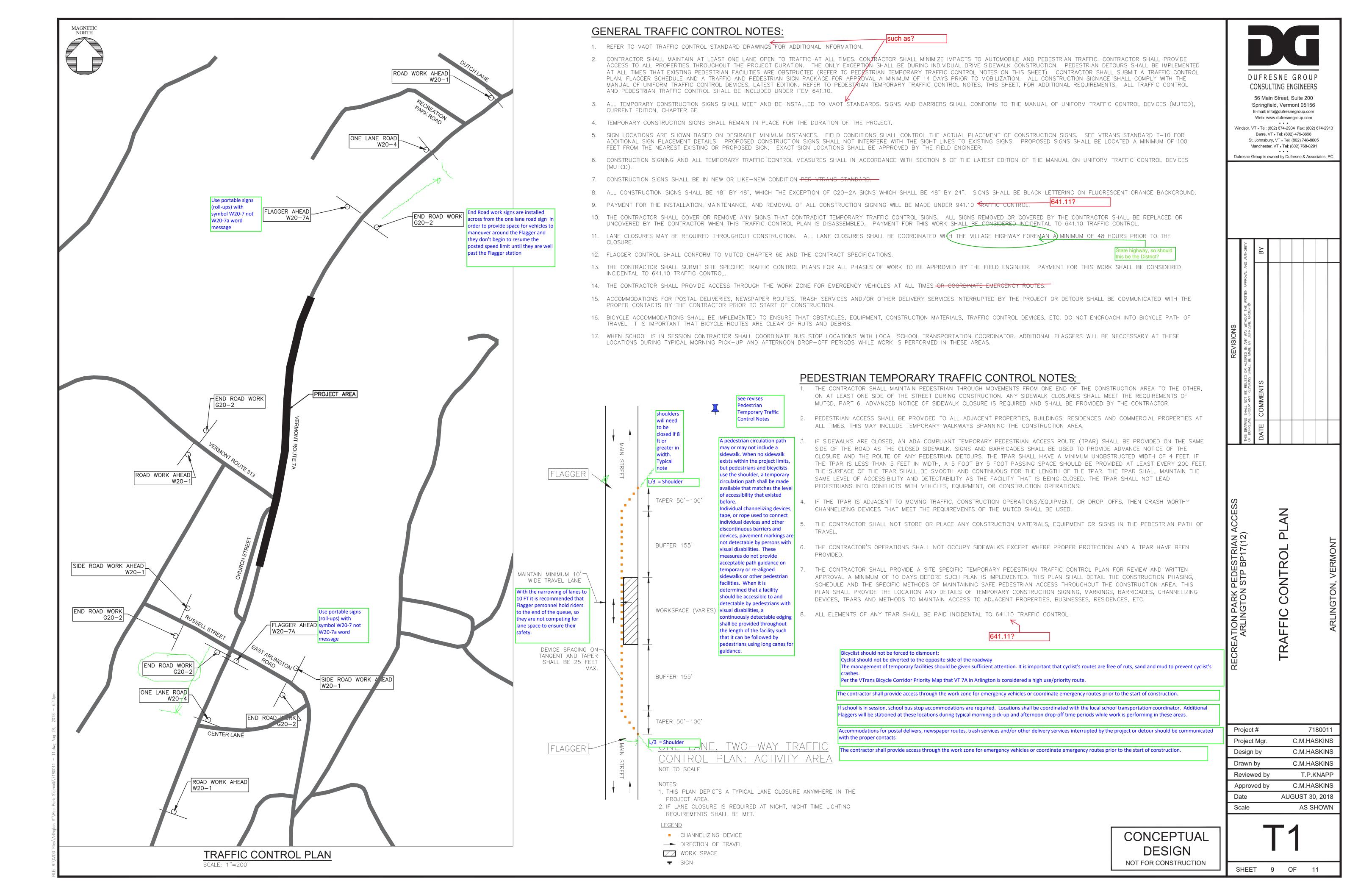
SHEET 4 OF 11











There doesn't appear to be an item for extending the CMP and RCP drainage pipes.

CONSTRUCTION COST ESTIMATE RECREATION PARK PEDESTRIAN ACCESS ARLINGTON, VERMONT August 30, 2018

Item Number	Item Description			Unit	Un	it Price		Total Price	
201.10	Clearing and Grubbing		1	LS	\$	5,000.00	\$	5,000.00	
203.30	Earth Borrow		75	CY	\$	45.00	\$	3,375.00	
301.26	Subbase of Crushed Gravel, Fine Graded		10	CY	\$	40.00	\$	400.00	
401.10	Aggregate Surface Course	Flaggers?	14	CY	\$	50.00	\$	700.00	
406.25	Bituminous Concrete Pavement	UTOs?	135	TON	\$	150.00	\$	20,250.00	
618.30	Detectable Warning Surface		60	SF	\$	45.00	\$	2,700.00	
635.11	Mobilization/Demobilization	Crosswalk Markings?	1	LS	\$ 3	5,885.00	\$	35,885.00	
641.11	Traffic Control, All-Inclusive	Signs -Resetting Salvage Posts?	1	LS	\$ 2	24,000.00	\$	24,000.00	
646.500	Durable Crosswalk Marking	Square tube posts and Anchors?	24	LF	\$	30.00	\$	720.00	
656.85	Tree Protection		1	LS	\$	1,000.00	\$	1,000.00	
675.50	Removing Signs			EA	\$	125.00	\$	250.00	
675.60	Resetting Signs		2	EA	\$	200.00	\$	400.00	
900.620	Special Provision (Concrete Headwall)		2	EA	\$	5,000.00	\$	10,000.00	
900.640	Special Provision (Granite Curb)		306	LF	\$	45.00	\$	13,770.00	
900.645	Special Provision (Class A Restoration)		1	LS	\$ 1	0,000.00	\$	10,000.00	
900.645	Special Provision (RRFB System	n)	1	LS	\$	8,000.00	\$	8,000.00	
900.675	Special Provision (Bituminous Co	oncrete Pathway)	447	SY	\$	50.00	\$	22,350.00	
900.675	Special Provision (Portland Cem	ent Concrete Sidewalk - 5 inch)	203	SY	\$	85.00	\$	17,255.00	
900.675	Special Provision (Portland Cem	ent Concrete Sidewalk - 8 inch)	118	SY	\$	95.00	\$	11,210.00	
900.675	Special Provision (Portland Cem	ent Concrete Sidewalk w/ Marble Inlay)	222	SY	\$	400.00	\$	88,800.00	
900.675	Special Provision (Stamped Cold	ored Concrete)	21	SY	\$	235.00	\$	4,935.00	
add as itom # for adjustment		SubTotal Construction Cost			\$	281,000.00			
add an item # for adjustment		Contingency (15%) \$ 42,0			42,000.00				
of valve boxes		Total Constr	uction Co	st		\$	323,000.00		

Note: Estimate is based on conceptual plans dated August 30, 2018.

In comparison to the Scoping Study Cost Estimate, the following items have been added and can be removed if hecessary:

Curb/Gravel at Arlington Inn	\$ 5,335
Headwalls	\$ 10,000
Increased Pavement at Chem Clean	\$ 7,000
Stamped Concrete Island at Chem Clean	\$ 5,250
TOTAL ESTIMATE OF EXTRAS	\$ 27 585

Additionally, the cost of marble inlay sidewalk based on industry pricing guides was estimated as \$130/SY in 2016. However, based on research performed during a scoping study in 2017, it was found that contractors' bid prices are averaging \$400/SY for marble inlay sidewalk. This will be further researched and discussed with local contractors.

pricing for standard 5" and 8" sidewalk is low, using special provision items will increase bid prices here also.

ALSO SHOULD BE USING 2018 SPEC BOOK, PAY ITEMS AND PRICING ALSO VTRANS PM NEEDS TO UPDATE VPINS

why use special provisions for standard items? sidewalk, granite curb,? doing this causes uncertainty, confusion, and is unnessecary. please revise with standard items.