

GENERAL NOTES

- I. ALL UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON BEST AVAILABLE INFORMATION AS PROVIDED BY UTILITY PROVIDERS. CITY OF SOUTH BURLINGTON AND FIELD SURVEY. PRIOR TO CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION. SIZE AND ELEVATIONS OF ALL UTILITIES (ABOVE AND BELOW GROUND) WITHIN THE PROJECT LIMITS. AND TO TAKE THE NECESSARY PRECAUTIONS TO PROTECT UTILITIES DURING CONSTRUCTION. CONTACT DIG-SAFE AT 1-800-DIG-SAFE (WWW.DIGSAFE.COM). IN THE CASE OF DAMAGE THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AT NO ADDITIONAL COST TO THE CITY OF SOUTH BURLINGTON.
- 2. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND THE EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE PROCEEDING WITH WORK.
- 3. PROJECT LIMITS WERE FIELD INVESTIGATED AND IT WAS FOUND TO HAVE NO INVASIVE SPECIES INSIDE THE LIMITS.
- 4. SEE GRAVEL WETLAND FACILITY SPECIFICATIONS FOR WETLAND SEED AND SOIL MIX.
- 5. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN IN ACCORDANCE WITH SECTION 653 OF THE VERMONT AGENCY OF TRANSPORTATION (VTRANS)2018 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.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING. WATER DIVERSION AND DEWATERING REQUIREMENTS NEEDED FOR THE PROJECT. ALL WORK TO BE CONDUCTED IN THE DRY. THE CONTRACTOR IS RESPONSIBLE FOR DIVERTING. BYPASS PUMPING OR OTHERWISE ISOLATING THE WORK AREA FROM FLOWING WATER. THE CONTRACTOR IS TO SUBMIT A CONTROL OF WATER PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. THERE WILL BE NO SEPARATE PAYMENT FOR TEMPORARY SHORING. WATER DIVERSION OR DEWATERING. THIS WORK SHALL BE INCIDENTAL TO ITEM 653.03 MAINTENANCE OF EPSC PLAN.
- 7. CARE SHOULD BE TAKEN TO PROTECT AND PRESERVE EXISTING TREES OUTSIDE OF THE PROJECT AREA OF DISTURBANCE.
- 8. ALL STORMWATER TREATMENT PRACTICES AND PROCEDURES ARE REFERENCED FROM THE 2017 VERMONT STORMWATER MANAGEMENT MANUAL AND DESIGN GUIDANCE. BY THE VERMONT AGENCY OF NATURAL RESOURCES.
- 9. ALL WORK SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND STANDARDS. THE MORE STRINGENT SHALL APPLY.
- IO. IN AREAS WHERE THE FENCE LOCATION IS REMAINING THE SAME, NEW CHAIN LINK FENCING SHALL BE PLACED ON THE EXISTING FENCE POSTS. CARE SHOULD BE TAKEN NOT TO INCREASE THE IMPACT AREA IN THE WETLAND BUFFER.

SIGN GENERAL NOTES

SIGN DESIGN AND FABRICATION NOTES

- I. ALL SIGNS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE MUTCD, THE 2004 STANDARD HIGHWAY SIGNS AND MARKINGS (SHSM), AND THE 2012 SUPPLEMENT TO THE 2004 EDITION (SHSM) DETAILS AS AVAILABLE, VAOT STANDARDS OR AS DETAILED IN THE PLANS.
- 2. ALL LETTERS AND NUMBERS USED FOR ALL SIGNS SHALL CONFORM TO THE APPLICABLE FONT AS DEFINED AND DETAILED IN THE 2004 SHSM AND THE 2012 SUPPLEMENT.
- 3. ALL ARROWS AND SYMBOLS SHALL CONFORM WITH THE 2004 SHSM AND THE 2012 SUPPLEMENT UNLESS OTHERWISE DETAILED IN THE PLANS.
- 4. SIGN SHEETING FOR FLUORESCENT YELLOW AND FLUORESCENT YELLOW GREEN SHALL BE AASHTO M268 (ASTM D4956) TYPE VII, VIII OR IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.
- 5. SHEETING TYPES AND MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND BE CONSISTENT THROUGHOUT THE PROJECT UNLESS OTHERWISE DETAILED ON THE PLANS.

SIGN POST NOTES

- I. ALL SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR.ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS OR SIDEWALKS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT FOR SLEEVE WILL BE CONSIDERED INCIDENTAL TO THE SIGN POST.
- 2. 1.75" SQUARE STEEL POSTS SHALL BE 14 GAUGE STEEL. 2.0" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAUGE STEEL.

SIGN INSTALLATION NOTES

- I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT NO COST TO THE CITY.
- 2. ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE RETAINED, REMOVED OR REPLACED AS NOTED OR AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- 3. ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VAOT STANDARD T-56 STANDARD SIGN PLACEMENT, UNLESS OTHERWISE NOTED.
- 4. ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED EXCEPT AS NOTED ON THE PLANS.
- 5. NEW SIGNS WITH THEIR GREATER NIGHTTIME RETROREFLECTIVITY CAN OBSCURE OLDER SIGNS MOUNTED ADJACENT TO THEM. TO AVOID CONFUSION OF ROAD USERS, WORK SHALL BE COORDINATED SUCH THAT ALL SIGNS ASSOCIATED WITH A CURVE, INTERSECTION, OR SPEED CHANGE, SHALL BE REPLACED ON THE SAME DAY AND NOT LEFT INCOMPLETE NOR WITH A MIXTURE OF OLD AND NEW SIGNS WITHIN A GROUP OF ASSOCIATED SIGNS.

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INDEX OF STANDARDS

<u>STD</u>	<u>DATE</u>	DESCRIPTION
C-10	02/11/2008	CURBING
D-15	06/01/1994	PRECAST REINF CONC. MH-GRATES, CAST IRON GRAT
		WITH FRAME, TYPE D & E
D-33	03/12/2007	REINFORCED CONCRETE STRAIGHT HEADWALL
E-121	08/08/1995	STANDARD SIGN PLACEMENT CONVENTIONAL ROAD
F-4	06/01/1994	CHAIN LINK FENCE, TYPE II
T-I	04/25/2016	TRAFFIC CONTROL GENERAL NOTES

SOUTH BURLINGTON PROJECT NAME: PROJECT NUMBER: TAP TAI8(7)_CAO542



FILE NAME: zTAP TAI8(7)typ.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: K. HAYDEN FUSS&O'NEILL | INDEX OF SHEETS/GENERAL NOTES

PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD SHEET 2 OF 26

THE ANTENNA IS MOUNTED ON THE ROOF OF COOLIDGE HALL, ON THE REDSTONE CAMPUS OF THE UNIVERSITY OF VERMONT, BURLINGTON, VT. PID DG9783 N = 718549.73E = 1458233.66ELLIP HEIGHT = 368.80 C95029 DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1996 (CHR). GENERAL LOCATION, SOUTH BURLINGTON, VT. TO REACH FROM THE INTERSECTION OF U.S. ROUTE 2 AND VT ROUTE 116 GO EAST ALONG U.S.ROUTE 2 FOR 0.9 MI (1.4 KM) TO THE FOUR WAY INTERSECTION OF AIRPORT DRIVE LEFT AND KENNEDY DRIVE RIGHT AND THE SITE OF MARK IN THE NORTHEAST QUADRANT OF THE INTERSECTION. THE MARK IS SET IN THE TOP OF THE WEST SIDE OF A 90 CM DIAMETER CONCRETE BASE FOR A GALVANIZED STRAIN POLE FOR A TRAFFIC LIGHT. IT IS 2.7 M (8.9 FT) NORTHEAST OF THE NORTHEAST CURB OF WILLISTON ROAD, 16.6 M (54.5 FT) SOUTHEAST OF THE CENTER OF THE SOUTHWEST END OF A GRASS ISLAND IN AIRPORT DRIVE, 0.1 M (0.3 FT) EAST OF THE WEST EDGE OF THE CONCRETE BASE, AND 0.2 M PID AB9662 N = 716204.0E = 1469688.7ELEV. = 321.948 \bigcirc (0.7 FT) WEST OF THE GALVANIZED STRAIN POLE. \bigcirc \bigcirc HVCTRL #7 HVCTRL #70 HVCTRL #71 HVCTRL #72 NORTH = 715981.028 NORTH = 716191.787 NORTH = 715609.299 NORTH = 715670.619 NORTH = EAST = 1469507.265 EAST = 1469584.654 EAST = 1469528.560 EAST = 1469300.389 EAST = \bigcirc ELEV. = 315.683 ELEV. = 314.678 ELEV. = 321.639 ELEV. = 309.187 ELEV. = 12"PINE 18"MAPLE DIRECTIONS U.S. ROUTE 2 N ____ ======= KEY BANK Parking DETENTION POND #7 4"ASH HAWTHORNE CIRCLE \bigcirc DETENTION POND #7 DRIVE \triangleleft \bigcap HVCTRL MAGHUB KEY BANK PARKING * SURVEY COMPLETED: DECEMBER 21, 2017 BY VSE, M. YEFCHAK-PC, T. YEFCHAK NORTH = NORTH = NORTH = NORTH = NORTH = EAST = EAST = EAST = EAST = EAST = ELEV. [⊙]= ELEV. = ELEV. = ELEV. = ELEV. = Z \geq \triangleleft PROJECT NAME: SOUTH BURLINGTON DATUM PROJECT NUMBER: TAP TAI8(7)_CAO542 NAVD88 VERTICAL FILE NAME: detpond7ti.dgn PLOT DATE: II/3/2021

STATION IS A GPS CONTINOUSLY OPERATING REFERENCE STATION. STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA.

PROJECT LEADER: A. MCQUEENEY

DESIGNED BY: VSE

TIE SHEET

VERMONT SURVEY AND ENGINEERING DRAWN BY: VSE

CHECKED BY: VSE

SHEET 3 OF 26

UVM COOLIDGE CORS ARP

NAD83(20II)

HORIZONTAL

ADJUSTMENT _____LSQ

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

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

TRAFFIC SIGN SYMBOLOGY

SIGNS	DESCRIPTION
N	NEW SIGN
[RET]	RETAIN SIGN
S	RESETTING SIGN
[_R_]	REMOVING SIGN OR POST
[R&S]	REMOVING AND RESETTING SIGN

LANDSCAPE

POINT	DESCRIPTION
\otimes	TREE REMOVAL

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

R. U. W.	ABBKE A	TATIONS (CODES) & SYMBOLS
POINT	CODE	DESCRIPTION
	СН	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	1&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
	BNDNS	BOUND SET
	BNDNS	BOUND TO BE SET
	IPNS	IRON PIN SET
\odot	IPNS	IRON PIN TO BE SET
	CALC	EXISTING ROW POINT
\bigcirc	PROW	PROPOSED ROW POINT
[LENG	STH]	LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

	CODE	DESCRIPTION
(:)	APL	BOUND APPARENT LOCATION
•	BM	BENCHMARK
<u> </u>	BND	BOUND
	СВ	CATCH BASIN
ф — -	COMB	COMBINATION POLE
	DITHR	DROP INLET THROATED DNC
,	EL	ELECTRIC POWER POLE
•	FPOLE	
\odot		GAS FILLER
\odot	GP	GUIDE POST
×	GSO	GAS SHUT OFF
©	GUY	GUY POLE
0	GUYW	GUY WIRE
×	GV	GATE VALVE
	Н	TREE HARDWOOD
\triangle	HCTRL	CONTROL HORIZONTAL
	HVCTRL	CONTROL HORIZ. & VERTICAL
©	HYD	HYDRANT
(a)	IP	IRON PIN
⊗	IPIPE	IRON PIPE
 	LI	LIGHT - STREET OR YARD
\$	MB	MAILBOX
0	MH	MANHOLE (MH)
•	MM	MILE MARKER
⊖	PM	PARKING METER
•	PMK	PROJECT MARKER
⊙ ▼ ▼	POST	POST STONE/WOOD
3	RRSIG	RAILROAD SIGNAL
•	RRSL	RAILROAD SWITCH LEVER
	S	TREE SOFTWOOD
<u> </u>	SAT	SATELLITE DISH
	SHRUB	SHRUB
$\overline{\circ}$	SIGN	SIGN
A	STUMP	
	TEL	TELEPHONE POLE
0	TIE	TIE
0 · 0	TSIGN	SIGN W/DOUBLE POST
\downarrow	VCTRL	CONTROL VERTICAL
0	WELL	WELL
M	WSO	WATER SHUT OFF

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

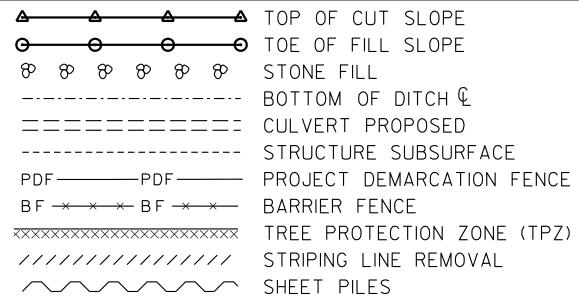
PROPOSED GEOMETRY CODES

1 1101 03	EB GEOMETIC CODES
CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
АН	AHEAD STATION SUFFIX
ВК	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADIUS OF
Τ	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLOGY UNDERGROUND UTILITIES --- UGU --- -- -- UTILITY (GENERIC-UNKNOWN) — *UT* — · · · - TELEPHONE — *UE* — · · · - ELECTRIC — *UC* — · · · - CABLE (TV) — UEC — · · - ELECTRIC+CABLE — UET — · · · - ELECTRIC+TELEPHONE — UCT — · · - CABLE+TELEPHONE — UECT — · · - ELECTRIC+CABLE+TELEP. — G — · · - - GAS LINE -- W -- -- WATER LINE — s — · · - · SANITARY SEWER (SEPTIC) ABOVE GROUND UTILITIES (AERIAL) — AGU — · · · - UTILITY (GENERIC-UNKNOWN) — T — · · - TELEPHONE — E — · · · - ELECTRIC — C — · · · - CABLE (TV) — EC — · · - ELECTRIC+CABLE — ET — · · - ELECTRIC+TELEPHONE - AER E&T - · · - · ELECTRIC+TELEPHONE — CT — · · - CABLE+TELEPHONE — ECT — · · - ELECTRIC+CABLE+TELEP. PROJECT CONSTRUCTION SYMBOLOGY

PROJECT DESIGN & L	AYOUT SYMBOLOGY
— — CZ — — (CLEAR ZONE
	PLAN LAYOUT MATCHLINE

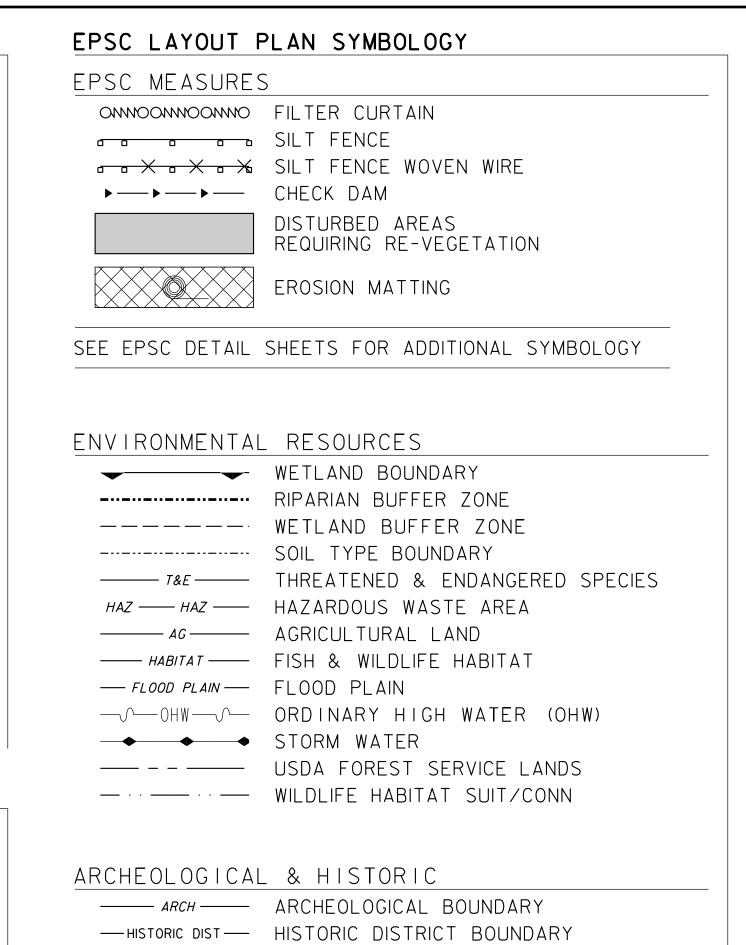
PROJECT CONSTRUCTION FEATURES



CONVENTIONAL BOUNDARY SYMBOLOGY

ROUNDARY LINES

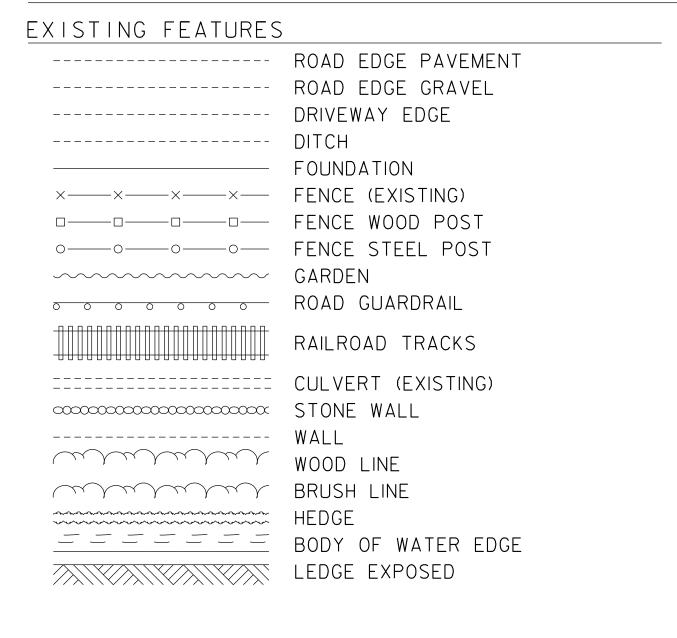
BOUNDARY LINES	
TOWN LINE	TOWN BOUNDARY LINE
COUNTY LINE	COUNTY BOUNDARY LINE
STATE LINE	STATE BOUNDARY LINE
	PROPOSED STATE R.O.W. (LIMITED ACCESS
	PROPOSED STATE R.O.W.
	STATE ROW (LIMITED ACCESS)
	STATE ROW
	TOWN ROW
	PERMANENT EASEMENT LINE (P)
	TEMPORARY EASEMENT LINE (T)
+ + +	SURVEY LINE
$\frac{P}{L}$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



CONVENTIONAL TOPOGRAPHIC SYMBOLOGY

HISTORIC STRUCTURE

----- HISTORIC AREA



PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CAO542

FILE NAME: TAP TAI8(7) frm.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: K. HAYDEN

PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD FUSS&O'NEILL | CONVENTIONAL SYMBOLOGY LEGEND SHEET SHEET 4 OF 26



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES	ТО	ΓALS		DESCRIPTIONS		DETAILED SUMMARY OF QUANTITIES			
ROADWAY EROSION CONTROL	LANDSCAPING	GRAND TOTAL	. FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES UNIT	ITEMS
		1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-		
1950		1950		CY	COMMON EXCAVATION	203.15	184		
100		100		CY	MUCK EXCAVATION	203.20	1		
100		100		CY	EARTH BORROW	203.30	-		
100		100		CY	GRANULAR BORROW	203.32	-		
2000		2000		CY	TRENCH EXCAVATION OF EARTH	204.20	29		
		1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-		
70		70		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	2		
30		30		CY	SUBBASE OF GRAVEL	301.15	5		
750		750		SY	HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES	406.38	26		
1040		1040		LB	REINFORCING STEEL, LEVEL I	507.11	8		
6		6		CY	CONCRETE, CLASS B	541.25	-		
25		25		LF	18" CPEP(SL)	601.2615	-		
707		707		LF	24" CPEP(SL)	601.2620	-		
		1		EACH	18" CPEPES	601.7015	-		
		1		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE (4' DIA.)	604.20	-		
		2		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE (5' DIA.)	604.20	-		
		1		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE (7' DIA.)	604.20	-		
		1		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE (8' DIA.)	604.20	-		
		1		EACH	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	604.21	-		
200		200		LF	UNDERDRAIN PIPE, 8 INCHES	605.11	2		
115		115		LF	UNDERDRAIN CARRIER PIPE, 12 INCHES	605.23	5		
115		115		CY	STONE FILL, TYPE I	613.10	2		
40		40		LF	VERTICAL GRANITE CURB	616.21	-		
400		400		LF	REMOVING AND RESETTING CURB	616.40	15		
7		7		TON	BITUMINOUS CONCRETE SIDEWALK	618.15	0.9		
720		720		LF	CHAIN-LINK FENCE, 6 FEET (BLACK VINYL COATED)	620.12	15		
24		24		LF	GATE FOR CHAIN-LINK FENCE, 6 FEET (BLACK VINYL COATED)	620.16	-		
		6		EACH	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FEET	620.21			
560		560		LF	REMOVAL OF EXISTING FENCE	620.55	5		
16		16		HR	UNIFORMED TRAFFIC OFFICERS	630.10	<u> </u>		
40		40				630.15	-		
40		40		HR	FLAGGERS MODILIZATION/DEMODILIZATION	635.11	-		
				LS	MOBILIZATION/DEMOBILIZATION TRAFFIC CONTROL		-		
		1		LS	TRAFFIC CONTROL	641.10	-		
		1		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-		
400		400		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	5		
360		360		SY	GEOTEXTILE UNDER STONE FILL	649.31	11		
		10		LB	SEED	651.15	EST.		
25		25		LB	FERTILIZER	651.18	EST.		
1.5		1.5		TON	AGRICULTURAL LIMESTONE	651.20	EST.		



SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CA0542

FILE NAME: TAP TAI8(7) frm.dgn
PROJECT LEADER: P. SHEDD
DESIGNED BY: K. HAYDEN
QUANTITY SHEET I

PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD SHEET 5 OF 26

QUANTITY SHEET 2

	SUMMARY OF EST	IMATED QUANTITIES			TOTALS		DESCRIPTIONS				DE		RY OF QUANTITIES
		ROADWAY	EROSION CONTROL	LANDSCAPING	GRAND TOTAL FINAL	UNIT	ITEMS	ROUND	QUANTITI	ES UNIT		ITEMS	
		25			25	CY	TOPSOIL	651.35	-				
			1		1	LS	EPSC PLAN	653.01	-				
			12		12	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	EST.				
			15		15	CY	STABILIZED CONSTRUCTION ENTRANCE	653.35	-				
			10		10	EACH	INLET PROTECTION DEVICE, TYPE I	653.40	-				
			1		1	EACH	FILTER BAG	653.45	-				
			250		250	LF	SILT FENCE, TYPE II	653.476	14				
			250		250	LF	BARRIER FENCE	653.50	14				
			360		360	LF	PROJECT DEMARCATION FENCE	653.55	7				
				6	6	EACH	DECIDUOUS SHRUBS (ILEX VERTICILLATA (FEMALE)) (CONT.) (3 GAL.)	656.35	-				
				1	1	EACH	DECIDUOUS SHRUBS (ILEX VERTICILLATA (MALE)) (CONT.) (3 GAL.)	656.35	-				
				7	7	EACH	DECIDUOUS SHRUBS (SAMBUCUS CANADENSIS) (CONT.) (3 GAL.)	656.35	-				
				7	7	EACH	DECIDUOUS SHRUBS (VIBURNUM TRILOBUM) (CONT.) (3 GAL.)	656.35	-				
		1			1	EACH	REMOVING SIGNS	675.50	-				
		1			1	EACH	RESETTING SIGNS	675.60	-				
		1			1	EACH	SETTING SALVAGED POSTS	675.61	-				
		70			70	CY	SPECIAL PROVISION (CHOKER LAYER - PEA GRAVEL)	900.608	3				
		400			400	CY	SPECIAL PROVISION (CRUSHED STONE (GRAVEL) SUBLAYER)	900.608	3				
		600			600	CY	SPECIAL PROVISION (LOW PERMEABILITY FILL)	900.608	14				
		270			270	CY	SPECIAL PROVISION (WETLAND SOIL)	900.608	9				
		1			1	EACH	SPECIAL PROVISION (CORING CONCRETE)	900.620	-				
		1			1	EACH	SPECIAL PROVISION (DIVERSION STRUCTURE)	900.620	-				
		1			1	EACH	SPECIAL PROVISION (GRAVEL WETLAND OUTLET CONTROL STRUCTURE)	900.620	-				
		1			1	EACH	SPECIAL PROVISION (PRE-TREATMENT CHAMBER)	900.620	-				
		1			1	EACH	SPECIAL PROVISION (RELOCATE COMMERCIAL SIGN WITH GROUND MOUNTED LIGHT	900.620	-				
		1			1	EACH	SPECIAL PROVISION (RELOCATE WOODEN PARK BENCH)	900.620	-				
			20		20	LB	SPECIAL PROVISION (WETLAND SEED - MARSH/SWAMP/BOX MIX)	900.635	EST.				
		55			55	LF	SPECIAL PROVISION (UNDERDRAIN RISER, 24 INCHES)	900.640	5				
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									1 F	PROJECT NA	ME: S()	UTH BURLI	INGTON

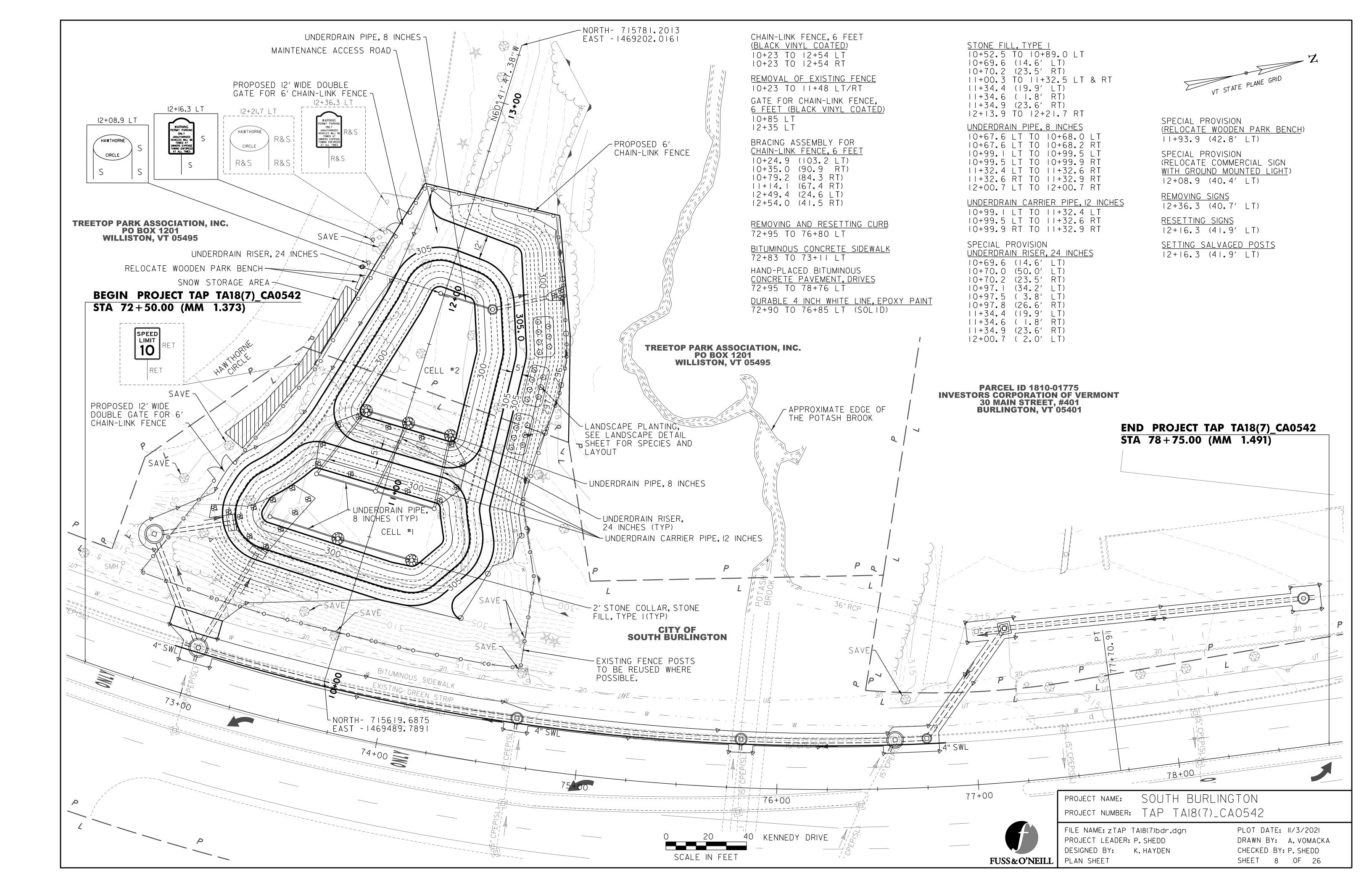


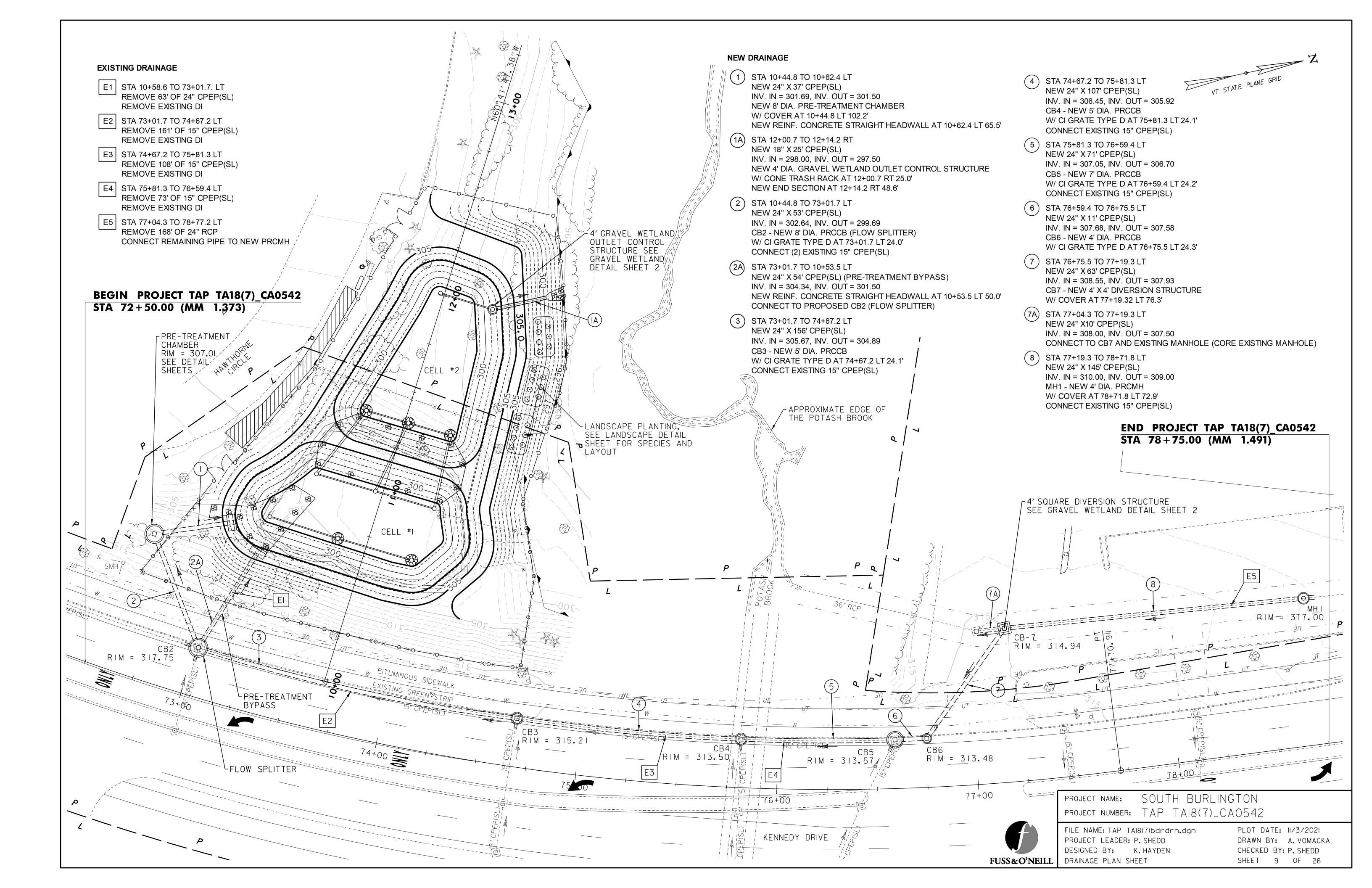
PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CA0542

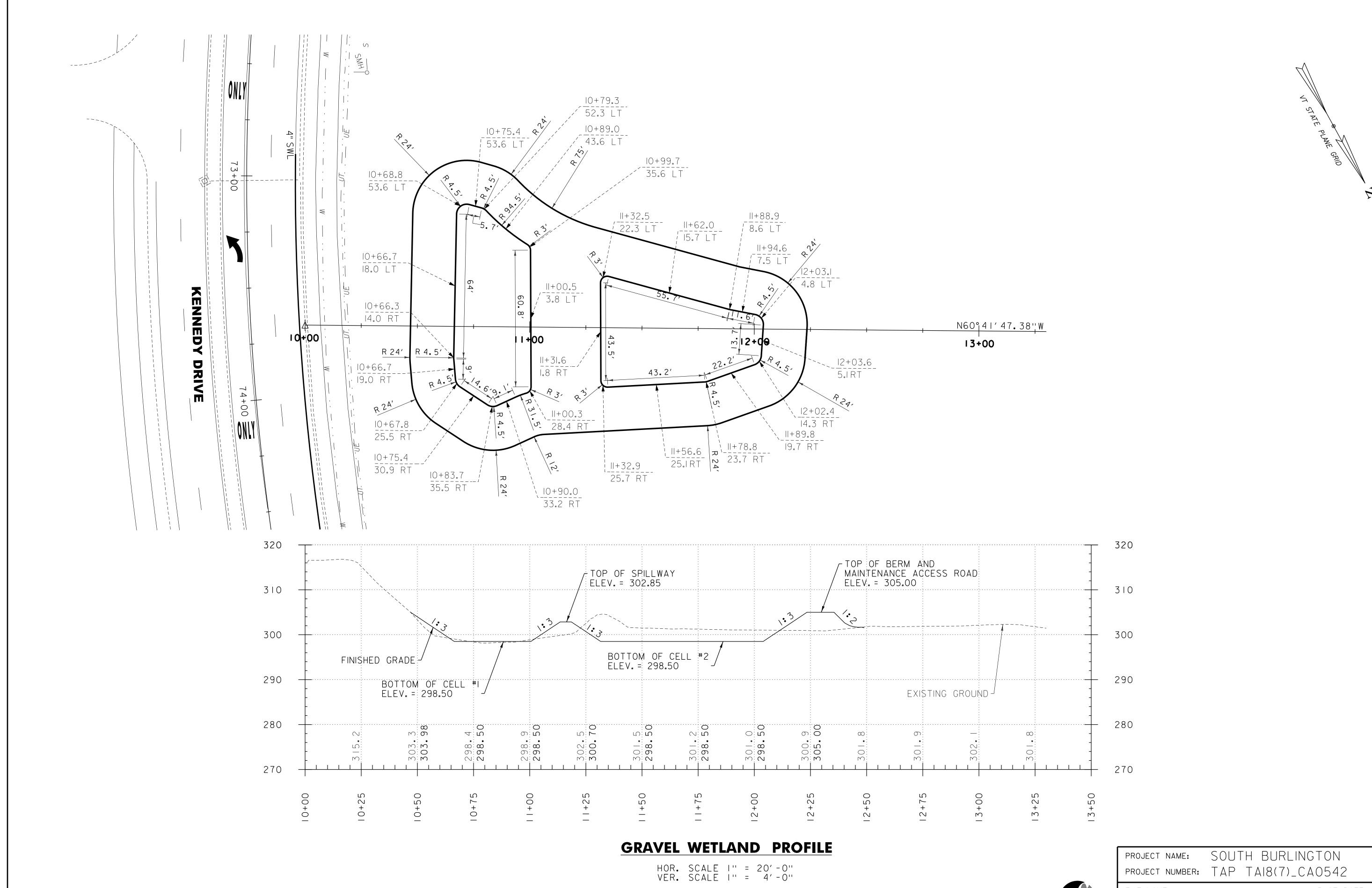
FILE NAME: TAP TAI8(7) frm.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: K. HAYDEN FUSS&O'NEILL QUANTITY SHEET 2

PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD SHEET 6 OF 26

							DRA	N/	4G	E	DI	E	ΓΑ			SH	ΙE	ET	1					
STATION	STATION	POS.	PIPE ID NUMBER	INLET/OUTLET TYPE INLET OUTLET	DITCH IN OUT	PIPE ARCH PIPE SPAN RISE L D L PCO	ALLOWABLE OPTION	IS	PIPE	PRC PRO	C DEPTH	CONC CLASS B	REINF STEEL	GRATE C	CHAN FLO	DW EXC	RENCH AVATION CO H ROCK	COMM EXC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT GRAN BORR		STONE FILL MARKER POSTS LT RT	GEO UNDER SF	REMARKS
Feet EXISTING	Feet					in in ft in ft i	n in in in	in in	no. deg. ea	dia dia	ft	су	lb	type	ea cy	у су	су	су су	су	су су	sy	cy type ea ea	sy	
10+58.6	73+01.7	LT	E1																					REMOVE 15" CPEP(SL) AND DI
73+01.7	74+67.2	LT	E2																					REMOVE 15" CPEP(SL) AND DI
74+67.2	75+81.3	LT	E3																					REMOVE 15" CPEP(SL) AND DI
75+81.3	76+59.4	LT	E4																					REMOVE 15" CPEP(SL) AND DI
77+04.3	78+78.2	LT	E5																					REMOVE 15" CPEP(SL) AND DI
PROPOSED																								
10+44.8	10+62.4	LT	P1	PTC* HW		24 37.0		X				2.85	516			218.2	2			1.0				STONE FILL OUTLET, PRE-TREATMENT SYSTEM
10+44.8	73+01.7	LT		PRCCB PTC*		24 53.0		X		8	16.6			1-D		325.9			•	0.9				STONE FILL OUTLET
12+00.7	12+14.2	RT		OCS** ES		18 25.0		X	1		10.0					12.3				5.8				STONE FILL OUTLET, GRAVEL WETLAND OUTLET
73+01.7	10+53.5	LT	***************************************	PRCCB HW		24 54.0		X				2.85	516			151.				13.4		'		CONTROL STRUCTURE
73+01.7	74+67.2	LT		PRCCB PRCCB		24 156.0		X		5	11.0	2.00	310	1-D		478.8				10.4				
								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						1-D		234.9								
74+67.2	75+81.3	LT		PRCCB PRCCB		24 107.0		^		5	8.6													
75+81.3	76+59.4	LT 		PRCCB PRCCB		24 71.0		X		/	8.0			1-D		160.8								
76+59.4	76+75.5	LT		PRCCB PRCCB		24 11.0		X		4	7.3			1-D		31.4								
76+75.5	77+19.3	LT		DS*** PRCCB		24 63.0		X			7.9		1.	-COVER		109.9								4' X 4' DIVERSION STRUCTURE
77+04.3	77+19.3	LT				24 10.0		X						-COVER		13.8								
77+19.3	78+71.8	LT		PRCMH DS***		24 145.0		X		4	8.5					233.7								
	*PRE-TREATN **GRAVEL WE ***DIVERSION	ETLAND	OUTLET (CONTROL STRUCT	URE																			
	PRO	JECT TO	OTALS		1	18 25.0 24 707.0		X	1	1 4'	DIAMH DIAMH	5.70	1032	-	-	1970.	8			21.10				
										1 4'	DIA				A B							III IV		
										2 5' 6' 1 7'	DIA			5	D E									
		•								1 8'				2 0	COVER STEEL							PROJECT		OUTH BURLINGTON
															SIEEL							FILE NAM PROJECT	IE: zTAP TAI8(7 LEADER: P.SH	HEDD DRAWN BY: A. VOMACKA
																							BY: A.VC DETAIL SHEET	



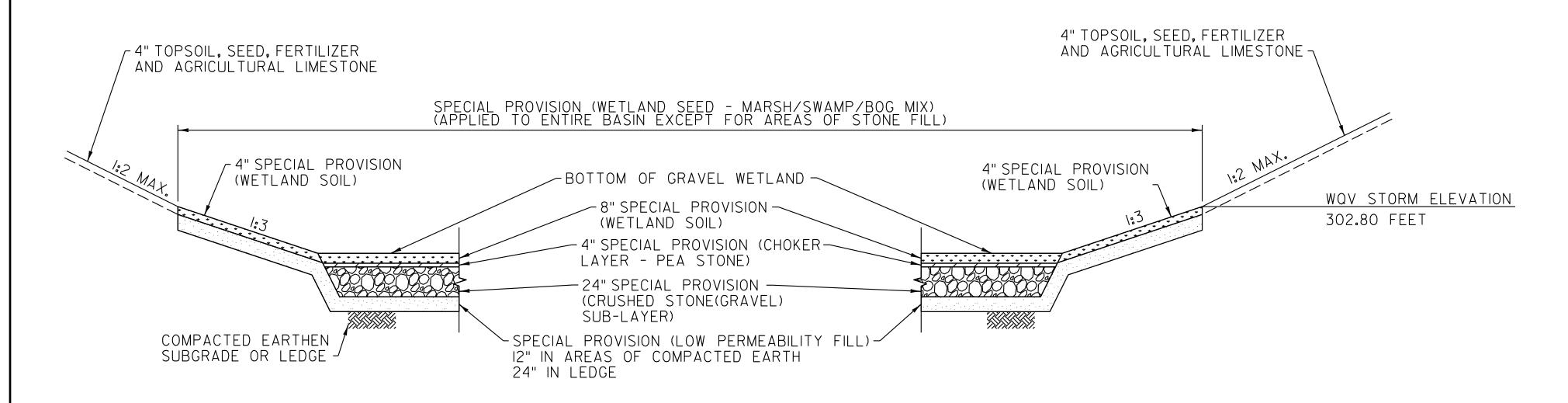




FILE NAME: zTAP TAI8(7)pro.dgn PLOT DATE: 11/3/2021
PROJECT LEADER: P. SHEDD DRAWN BY: A. VOMACKA
DESIGNED BY: K. HAYDEN CHECKED BY: P. SHEDD

FUSS & O'NEILL GRAVEL WETLAND PROFILE SHEET SHEET 10 OF 26

	BMP CONSTRUCTION DATA											
		GF	RAVEL WETLAI	ND		STORM ELEVATIONS						
LOCATION		CELL #1		CELL	#2							
	BOTTOM OF GRAVEL WETLAND	SPILLWAY	TOP OF MAINT. ACCESS ROAD	BOTTOM OF GRAVEL WETLAND	TOP OF BERM	WQV	1 YEAR	10 YEAR	50 YEAR	100 YEAR		
KENNEDY DRIVE POND 7	298.50	302.85	305.00	298.50	305.00	302.80	303.01	303.95	304.65	304.98		



GRAVEL WETLAND TREATMENT CELL TYPICAL SECTION

<u>NOTES</u>

- I. THE WETLAND BASIN AREA SHALL BE CLEARED OF ALL TREES, ROOTS, STUMPS, BOULDERS AND SOD TO A DEPTH OF 2'BELOW FINISHED GRADE.
- 2. THE SPECIAL PROVISION (GRAVEL WETLAND OUTLET CONTROL STRUCTURE) SHALL BE PRECAST WITH THE DIMENSIONS AND ORIFICE SIZES AS SHOWN.
- 3. REMOVE ACCUMULATED SEDIMENT FROM THE GRAVEL WETLAND AT THE COMPLETION OF CONSTRUCTION.
- 4. ANTI-SEEP COLLARS SHALL BE INSTALLED AS SHOWN TO RESIST FLOW ALONG THE OUTSIDE OF THE PIPES. COLLARS SHALL PROTECT A MINIMUM OF 5 FEET FROM THE PIPE. MAXIMUM SPACING OF COLLARS IS 28 FEET. INCIDENTAL TO PIPE UPON WHICH IT IS PLACED.
- 5 ALL PIPE CONNECTIONS SHALL HAVE FLEXIBLE WATERTIGHT GASKETS CONFORMING TO THE SPECIFICATIONS. PIPE TO OUTLET STRUCTURE CONNECTIONS SHALL BE WATER TIGHT WITH AN EMBEDDED FLEXIBLE RUBBER BOOT.
- 6. ALL SPECIAL PROVISION (UNDERDRAIN RISER, 24 INCHES) SHALL BE CAPPED WITH GRATES TO ALLOW ADDITIONAL FLOW INTO THE GRAVEL BED MATERIAL. GRATES ARE INCIDENTAL ITEM 900.640, SPECIAL PROVISION (UNDERDRAIN RISER, 24 INCHES).
- 7. SEE THE GRAVEL WETLAND FACILITY SPECIFICATIONS FOR THE SPECIAL PROVISION (WETLAND SEED MARSH/SWAMP/BOG MIX) MIXTURE AND SPECIAL PROVISION (WETLAND SOIL) MIXTURE.
- 8. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL, ALL BOUYANCY CALCULATIONS FOR UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NEED AND SIZE OF ANY ANCHORS OR OTHER MEANS OF ANCHORING TO PREVENT FLOATATION AND SHALL PROVIDE APPROVED ANCHORS IF REQUIRED. THE CONTRACTOR SHALL DESIGN AND PROVIDE REINFORCING STEEL REQUIRED IN CONCRETE ANCHORS AND THE STRUCTURAL CONNECTION BETWEEN STRUCTURES AND ANCHORS TO PREVENT FLOATATION. SHOP DRAWINGS SHALL BE STAMPED BY A VERMONT REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW. THIS WORK IS INCIDENTAL TO THE STRUCTURES AND PIPES FOR WHICH THE CALCULATIONS PERTAIN TO.

PROJECT LEADER: P. SHEDD

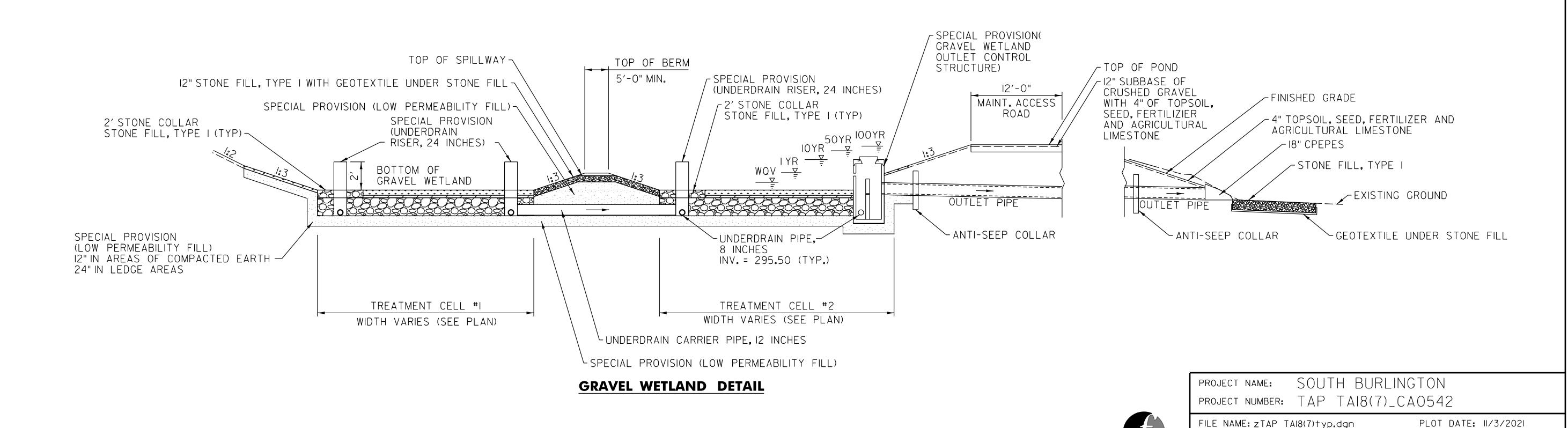
DESIGNED BY: K. HAYDEN

FUSS&O'NEILL | GRAVEL WETLAND DETAIL SHEET |

DRAWN BY: A. VOMACKA

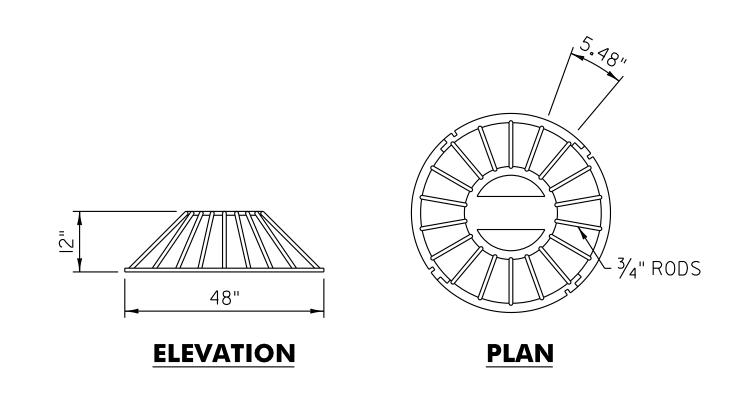
CHECKED BY: P. SHEDD

SHEET II OF 26



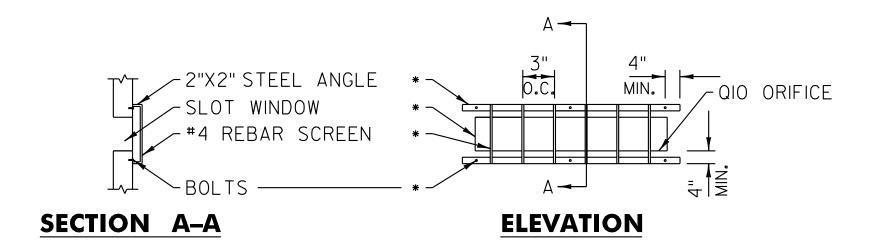
NOT TO SCALE

	INVERT ELEVATION	SIZE	QUANTITY
MOVED DAME OF THE STATE OF THE	000.47	0.5"	
WQV DRAWDOWN ORIFICE	298.17	2.5"	2
Q ₁ WEIR	302.80		
Q ₁₀ ORIFICE	303.01	24" x 2"	1
OVERFLOW	303.95	48"	1
PIPE OUTLET	298.00	18"	N/A
CONCRETE BALLAST DEPTH (T _B) (ft)		N/A	
TOTAL HEIGHT OF STRUCTURE (H) (ft)		9.45	



CONE TRASH RACK DETAIL

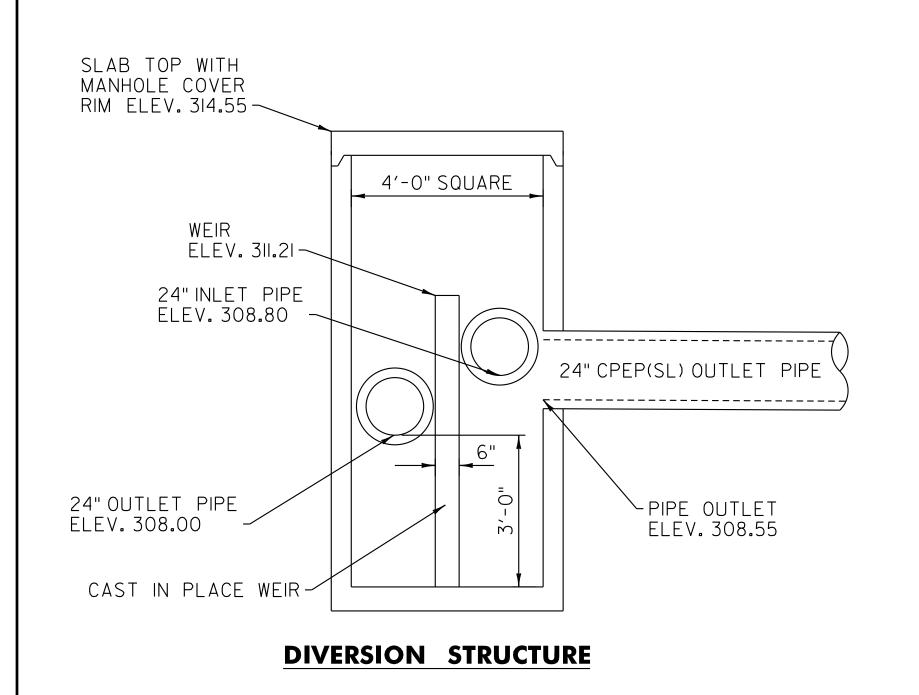
CONE TRASH RACK NOTE DIMENSIONS MAY VARY DEPENDENT UPON THE MANUFACTURER. TRASH RACK MUST ACCOMODATE 4' DIA. OPENING IN SLAB TOP.

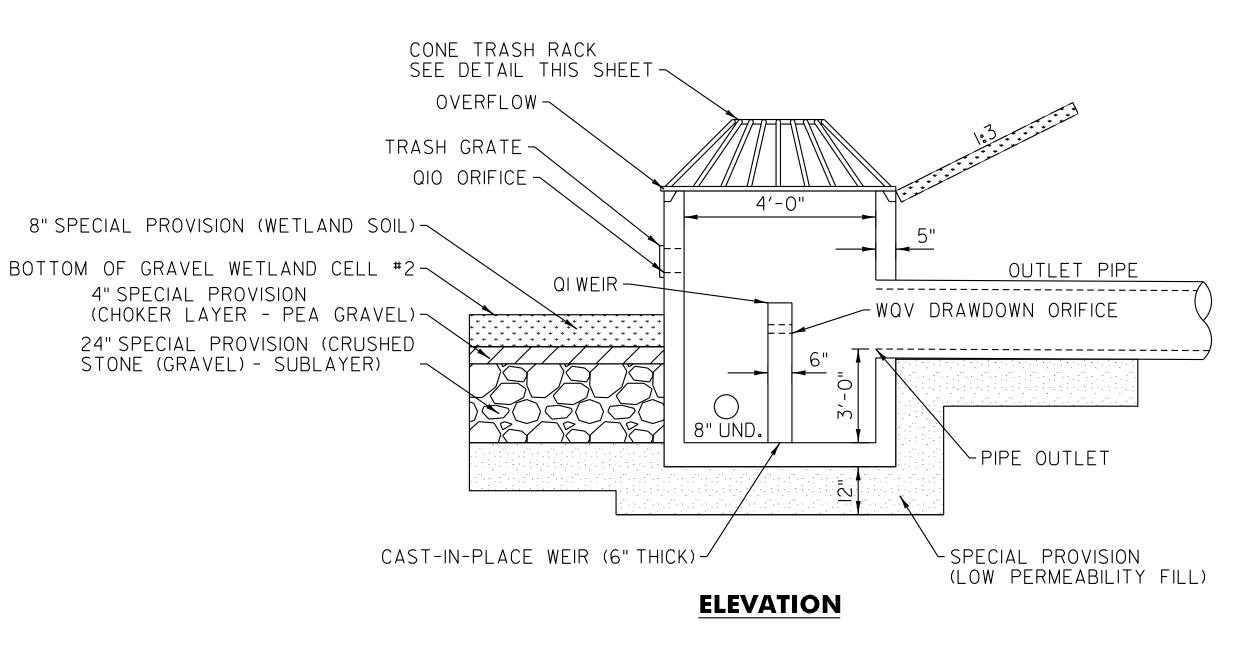


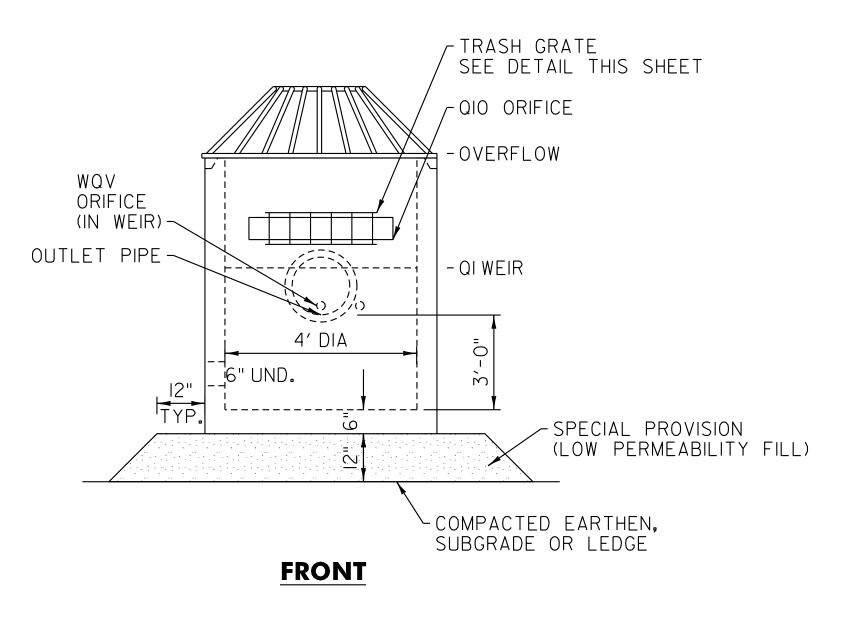
TRASH GRATE

TRASH GRATE NOTE

* ALL HARDWARE AND STEEL APPURTENANCES FOR THE OUTLET STRUCTURES SHALL BE GALVANIZED.







GRAVEL WETLAND OUTLET CONTROL STRUCTURE

GRAVEL WETLAND OUTLET CONTROL STRUCTURE NOTE SEE OUTLET CONTROL STRUCTURE INFORMATION TABLE FOR ELEVATIONS AND SIZING OF ORIFICES AND PIPE OUTLET ELEVATION.

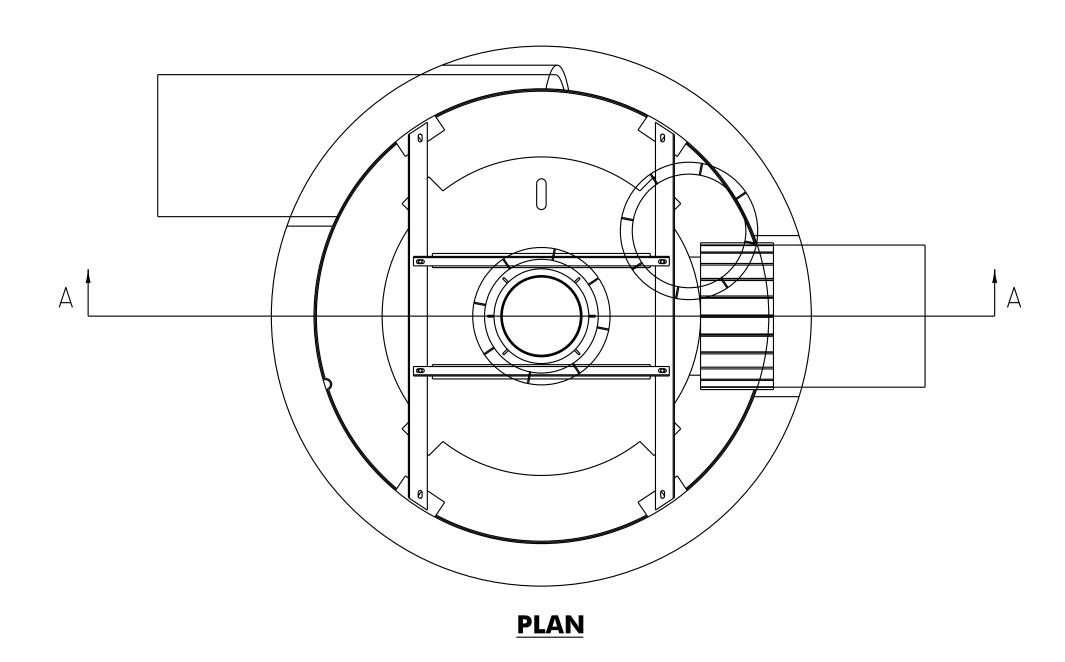
GENERAL NOTES

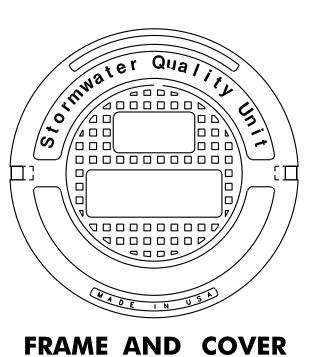
- I. STEEL REINFORCING: PER SECTION 507 STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018 STRENGTH: 5000 PSI@ 28 DAYS CONSTRUCTION JOINT: SEALED WITH I" DIAMETER BUTYL RUBBER OR EQUIVALENT
- 2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR SPECIAL PROVISION (GRAVEL WETLAND OUTLET CONTROL STRUCTURE) AND SPECIAL PROVISION (DIVERSION STRUCTURE) TO THE ENGINEER FOR APPROVAL.
- 3. ALL HARDWARE AND STEEL APPURTENANCES FOR THE OUTLET STRUCTURES SHALL BE HOT DIP GALVANIZED.

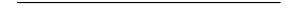


SOUTH BURLINGTON PROJECT NAME: PROJECT NUMBER: TAP TAI8(7)_CAO542

FILE NAME: zTAP TAI8(7)typ.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: K. HAYDEN FUSS&O'NEILL GRAVEL WETLAND DETAIL SHEET 2 PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD SHEET I2 OF 26









EQUIPMENT PERFORMANCE

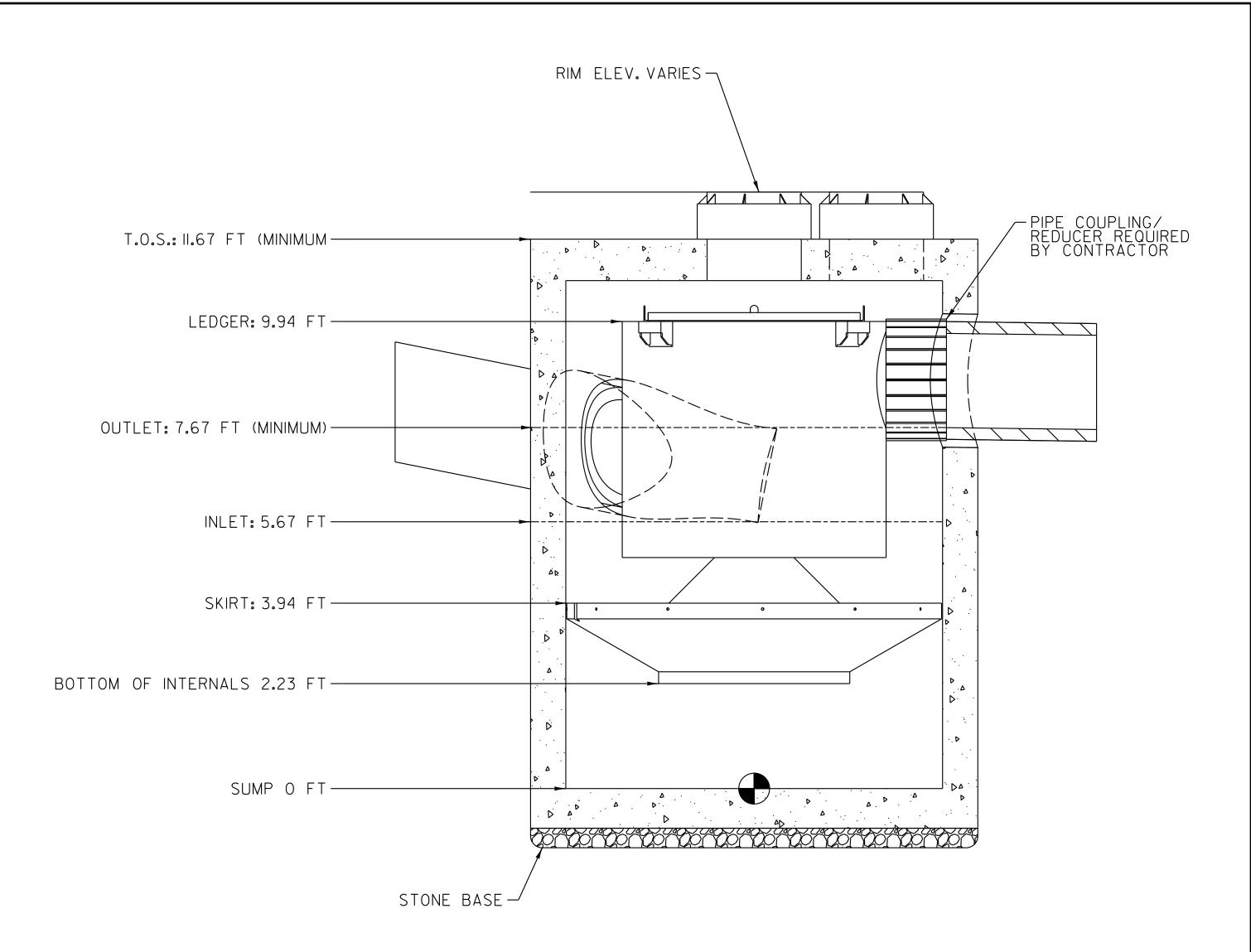
THE STORMWATER TREATMENT UNIT SHALL PROVIDE THE REMOVAL EFFICIENCIES AND STORAGE CAPACITIES AS FOLLOWS:

THE TREATMENT SYSTEM SHALL BE CAPABLE OF SEPARATING POLLUTANTS AND SEDIMENT FROM STORMWATER RUNOFF.

MUST BE CAPABLE OF A:

-PEAK HYDRAULIC CAPACITY: 15.0 CFS 425 L/S) -SEDIMENT STORAGE CAPACITY: 4.65 CU. YD. (3.56 CU. M)

SEDIMENT SHALL BE STORED IN A ZONE THAT IS ISOLATED FROM THE MAIN FLOW PATH.



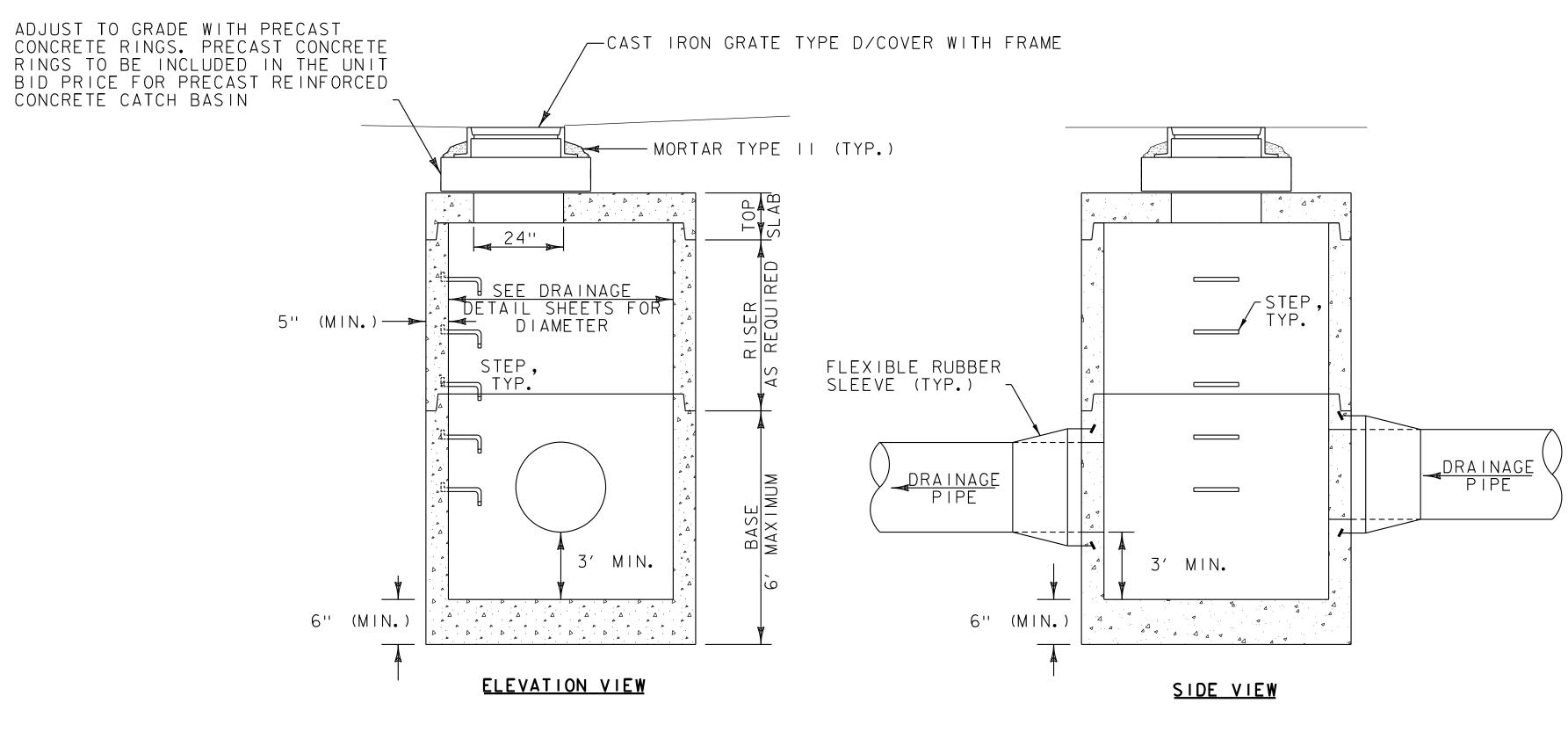
SECTION A-A

FOR PRELIMINARY PURPOSES ONLY. A DETAILED STRUCTURE WILL BE PROVIDED WITH THE FINAL PLANS SUBMISSION.

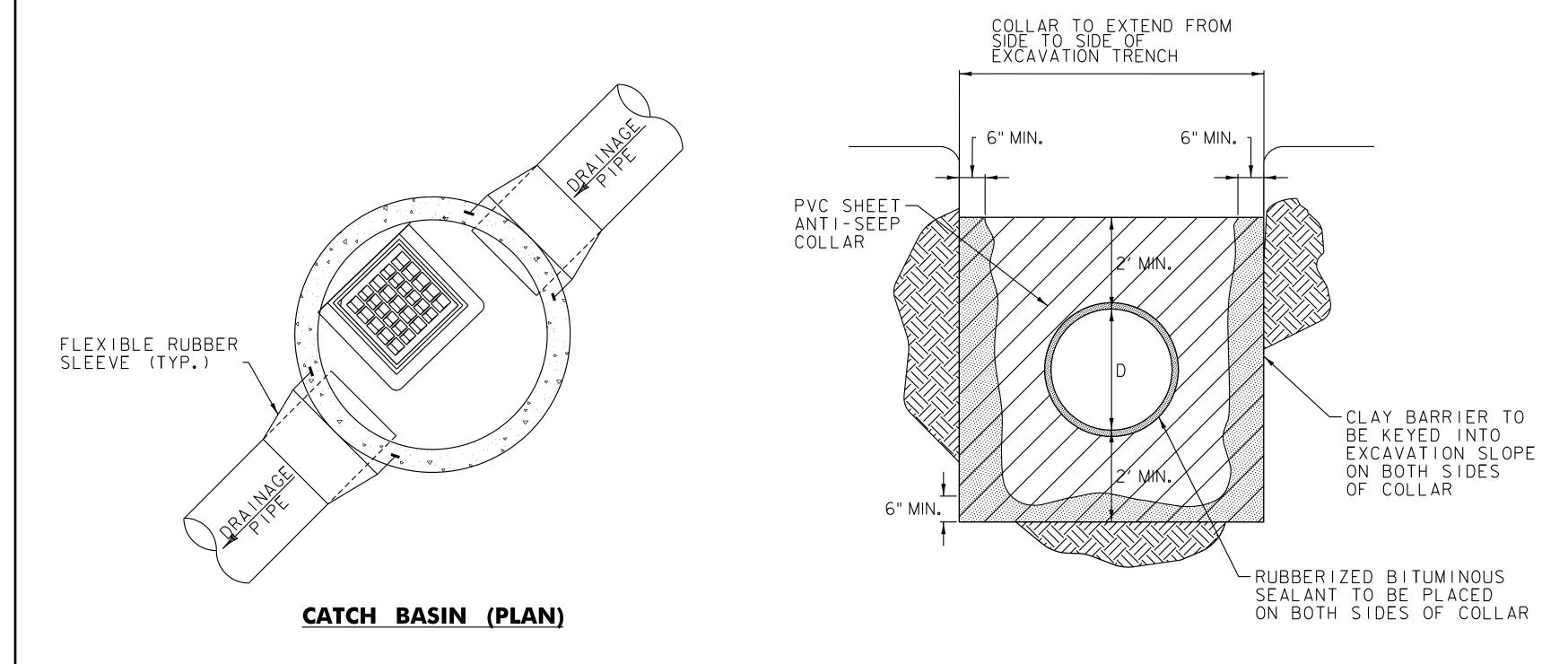
PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CA0542

FILE NAME: zTAP TAI8(7)typ.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: J. FOWLER FUSS&O'NEILL PRE-TREATMENT CHAMBER DETAIL SHEET SHEET 13 OF 26

PLOT DATE: II/3/2021 DRAWN BY: J. FOWLER CHECKED BY: P. SHEDD



TYPICAL PRECAST CATCH BASIN OR MANHOLE



ANTI-SEEP COLLAR DETAIL

ANTI-SEEP COLLAR NOTES

I. OPENING IN PVC SHEET FOR PIPE TO BE CUT TO ALLOW NO MORE THAN 1/4" SPACE BETWEEN COLLAR AND PIPE.

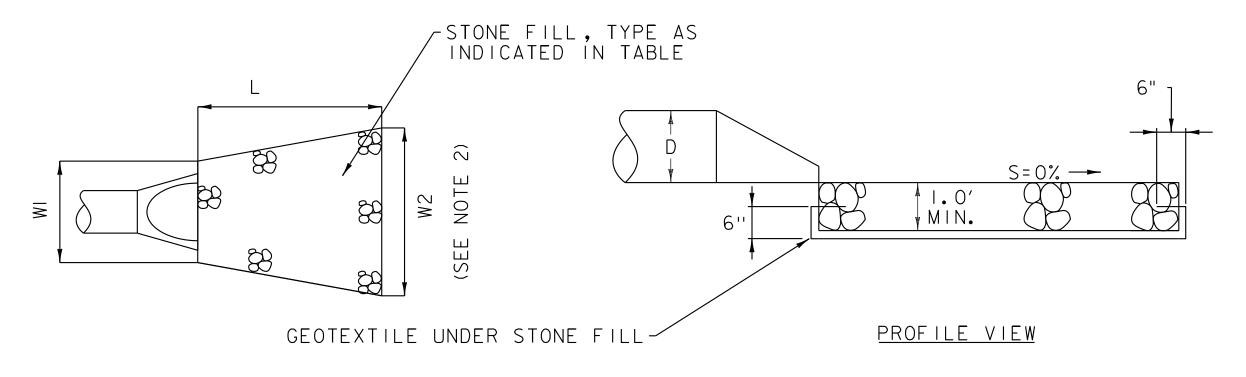
2. ALL MATERIALS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

3. ENGINEER TO BE ONSITE DURING SINSTALLATION OF ANTI-SEEP COLLARS.

PRECAST REINFORCED CONCRETE CATCH BASIN NOTES

- I. PRECAST CONCRETE SECTIONS SHALL CONFORM TO SUBSECTION 705.04 OF THE STANDARD SPECIFICATIONS.
- 2. MINIMUM CONCRETE COMPRESSIVE STRENGTH: 5,000 PSI AT 28-DAYS.
- 3. STEEL REINFORCING SHALL CONFORM TO ASTM A185 OR A82 FOR HS-25 LOADING.
- 4. FACE OF PIPE SHALL NOT PROJECT MORE THAN TWO INCHES OR LESS THAN I INCH FROM INSIDE WALL OF STRUCTURE.
- 5. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF OUTSIDE SURFACE BETWEEN HOLES, NO MORE THAN 75% OF A HORIZONTAL CROSS SECTION SHALL BE HOLES, AND THERE SHALL BÉ NO HOLES CLOSER THAN THREE INCHES TO JOINTS.
- 6. FITTING FRAME TO FINAL GRADE MAY BE DONE WITH PRECAST CONCRETE GRADE RINGS OF APPROPRIATE THICKNESS (THREE COURSES MAX.).
- 7. FLAT SLAB TOPS SHALL BE USED FOR ALL CATCH BASINS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 8. THE CONTRACTOR SHALL VERIFY ALL PIPE INVERTS AND PENETRATION ANGLES PRIOR TO PRECASTING.
- 9. PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT AND BE ASSEMBLED USING A BUTYL RUBBER OR APPROVED EQUAL SEALANT.
- 10, PROVIDE FLEXIBLE RUBBER SLEEVES CONFORMING TO ASTM C-923, RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO STRUCTURE. SLEEVES SHALL BE CAST INTO PRECAST STUCTURE BY THE MANUFACTURER FOR ALL PIPE PENETRATIONS.
- II.PAYMENT FOR INSTALLATION OF THE CATCH BASINS SHALL BE MADE UNDER ITEM 604.20 PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE.
- 12. DEPTH AS SHOWN ON THE DRAINAGE DETAIL SHEET IS DEFINED AS THE VERTICAL DISTANCE BETWEEN RIM ELEVATION AND THE BOTTOM OF SUMP.
- 13. MANHOLE STEPS SHALL BE 14" WIDE STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC AND SHALL BE CAST INTO MANHOLE SECTIONS BY THE PRECAST CONCRETE MANUFACTURER. MANHOLE STEPS IN THE RISER SHALL ALIGN WITH THE MANHOLE STEPS IN BASE OF THE STRUCTURE.

DRAINAGE NOTE#	LOCATION	DESCRIPTION	L (FT)	W1 (FT)	W2 (FT)	STONE TYPE	PLAN AREA (SF)
P2A P1	10+53.5 LT 10+62.4 LT	STONE FILL OUTLET	SEE F	PLAN FOR	R AREA	1	757.0
P1A	12+14.2 RT	STONE FILL OUTLET	6.0	4.0	7.0	I	33.0



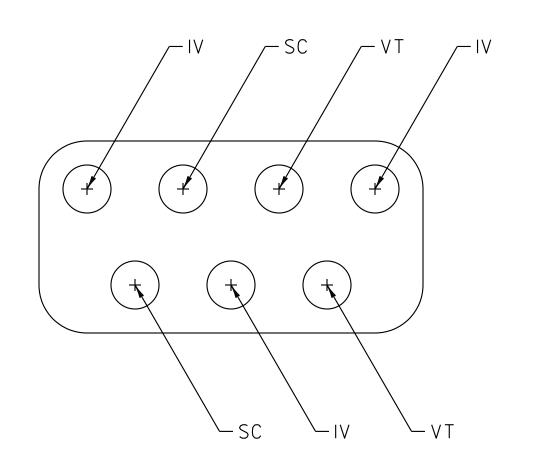
INLET /OUTLET PROTECTION DETAIL

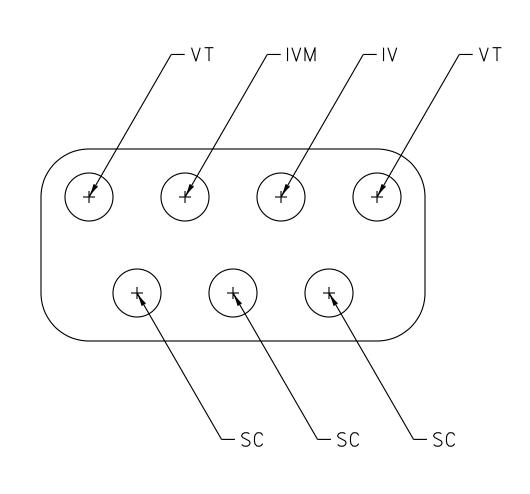
INLET/OUTLET PROTECTION NOTES

- I. STONE FILL SHALL BE 12 INCHES IN DEPTH. GEOTEXTILE UNDER STONE FILL SHALL BE INSTALLED BENEATH AND ALONG SIDES OF STONE.
- 2. STONE FILL SHALL BE ADJUSTED TO MATCH INTO THE EXISTING CHANNEL WIDTH.

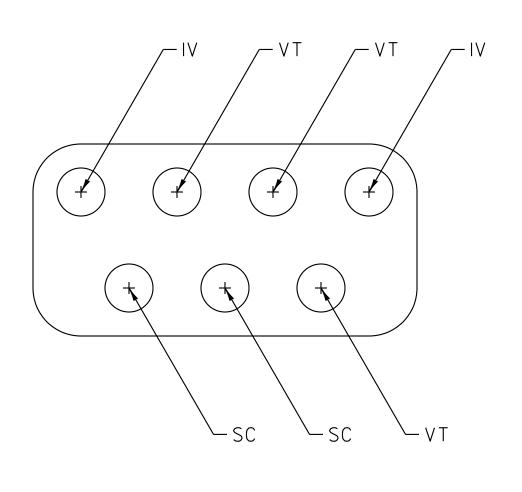
SOUTH BURLINGTON PROJECT NAME: PROJECT NUMBER: TAP TAI8(7)_CAO542

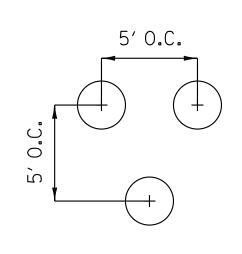






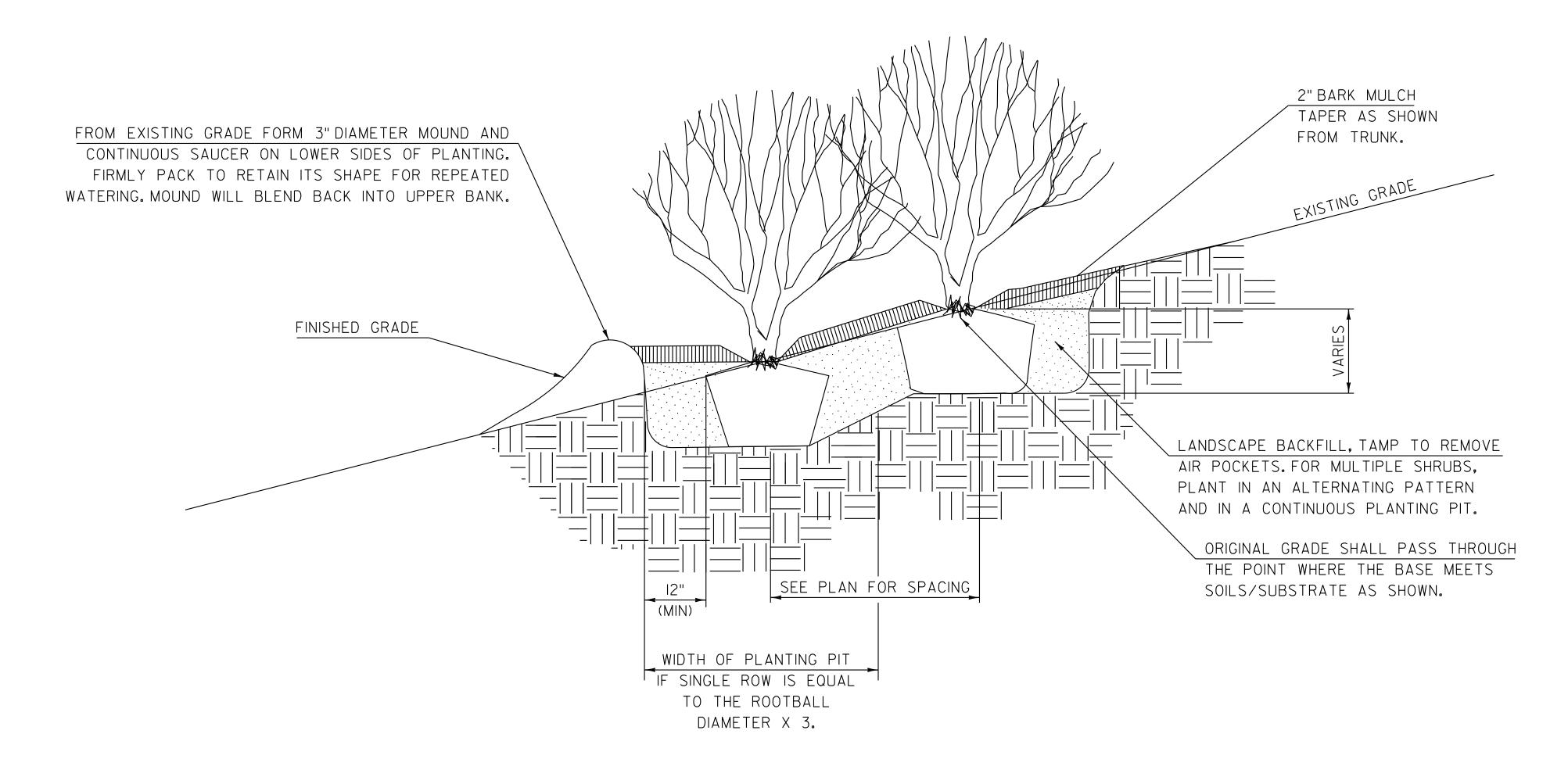
PLANTING LAYOUT





QUANTITY	SPECIES	LABEL	CONTAINER SIZE	PLANT SPACING	ROW Spacing	
7	VIBURNUM TRILOBUM	VT	3-GALLON OR B&B	5′ O.C.	5′ O.C.	
7	SAMBUCUS CANADENSIS	SC	3-GALLON OR B&B	5′ O.C.	5′ O.C.	
6	ILEX VERTICILLATA (FEMALE)	IV	3-GALLON OR B&B	5′ O.C.	5′ O.C.	
I	ILEX VERTICILLATA (MALE)	IVM	3-GALLON OR B&B	5′ O.C.	5′ O.C.	

PLANTING CHART



SHRUB PLANTING ON SLOPE DETAIL

LANDSCAPE GENERAL NOTES

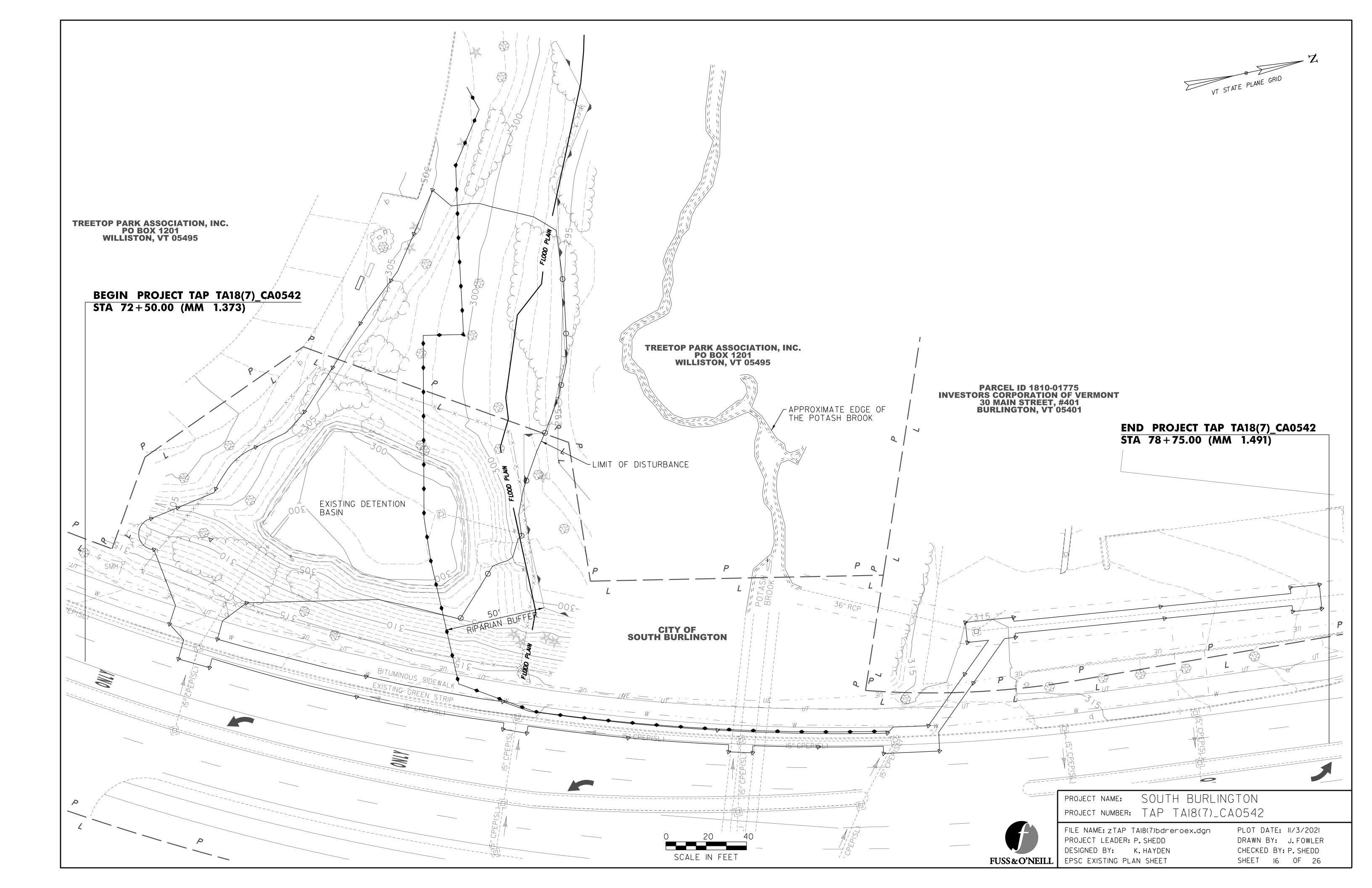
- I. PLANTINGS SHALL BE PLANTED WITHIN 24 HOURS OF EXCAVATION OF PLANTING PIT.
- 2. WATER IN ACCORDANCE WITH SECTION 656 OF THE CURRENT VTRANS SPECIFICATIONS FOR CONSTRUCTION AND ITS LATEST REVISIONS.
- 3. ALL CONTAINERS, NURSERY TAGS, STRING, WIRE OR SURVEYORS TAPE SHALL BE REMOVED AT THE TIME OF PLANTING.
- 4. ALL PLANT MATERIAL SHALL COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.

PROJECT NAME: SOUTH BURLINGTON

PROJECT NUMBER: TAP TAI8(7)_CAO542

FILE NAME: zTAP TAI8(7)+yp.dgn PLOT DA
PROJECT LEADER: P. SHEDD DRAWN E
DESIGNED BY: EIV CHECKED

7)typ.dgn PLOT DATE: 11/3/2021
IEDD DRAWN BY: A. VOMACKA
CHECKED BY: P. SHEDD
ET SHEET 15 OF 26



			VAOT LOW GROW/F	TINE FESCUE MIX		
	LBS	/AC				
WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY
38%	57	95	CREEPING RED FESCUE	FESTUCA RUBRA VAR. RUBRA	90%	98%
29%	43.5	72.5	HARD FESCUE	FESTUCA LONGIFOLIA	85%	95%
15%	22.5	37.5	CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA	87%	95%
15%	22.5	37.5	ANNUAL RYEGRASS	LOLIUM MULTIFLORUM	90%	95%
3%	4.5	7.5	INERTS			
100%	150	250				

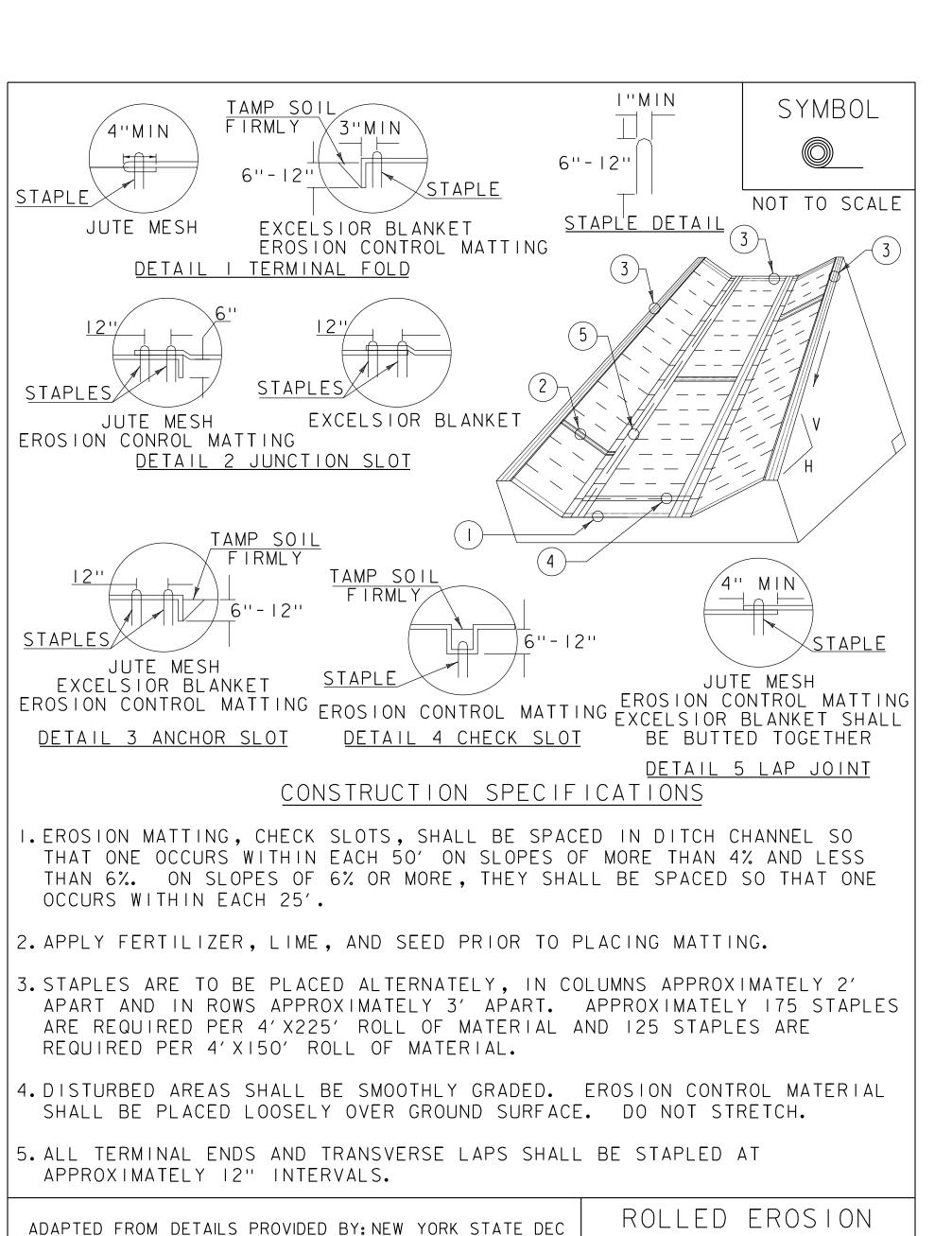
			VAOT RURAL	AREA MIX			
	LBS/AC		LBS/AC				
WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY	
37.5%	22.5	45	CREEPING RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	98%	
37.5%	22.5	45	TALL FESCUE	FESTUCA ARUNDINACEA	90%	95%	
5.0%	3	6	RED TOP	AGROSTIS GIGANTEA	90%	95%	
15.0%	9	18	WHITE FIELD CLOVER	TRIFOLIUM REPENS	85%	98%	
5.0%	3	6	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%	
100%	60	120					

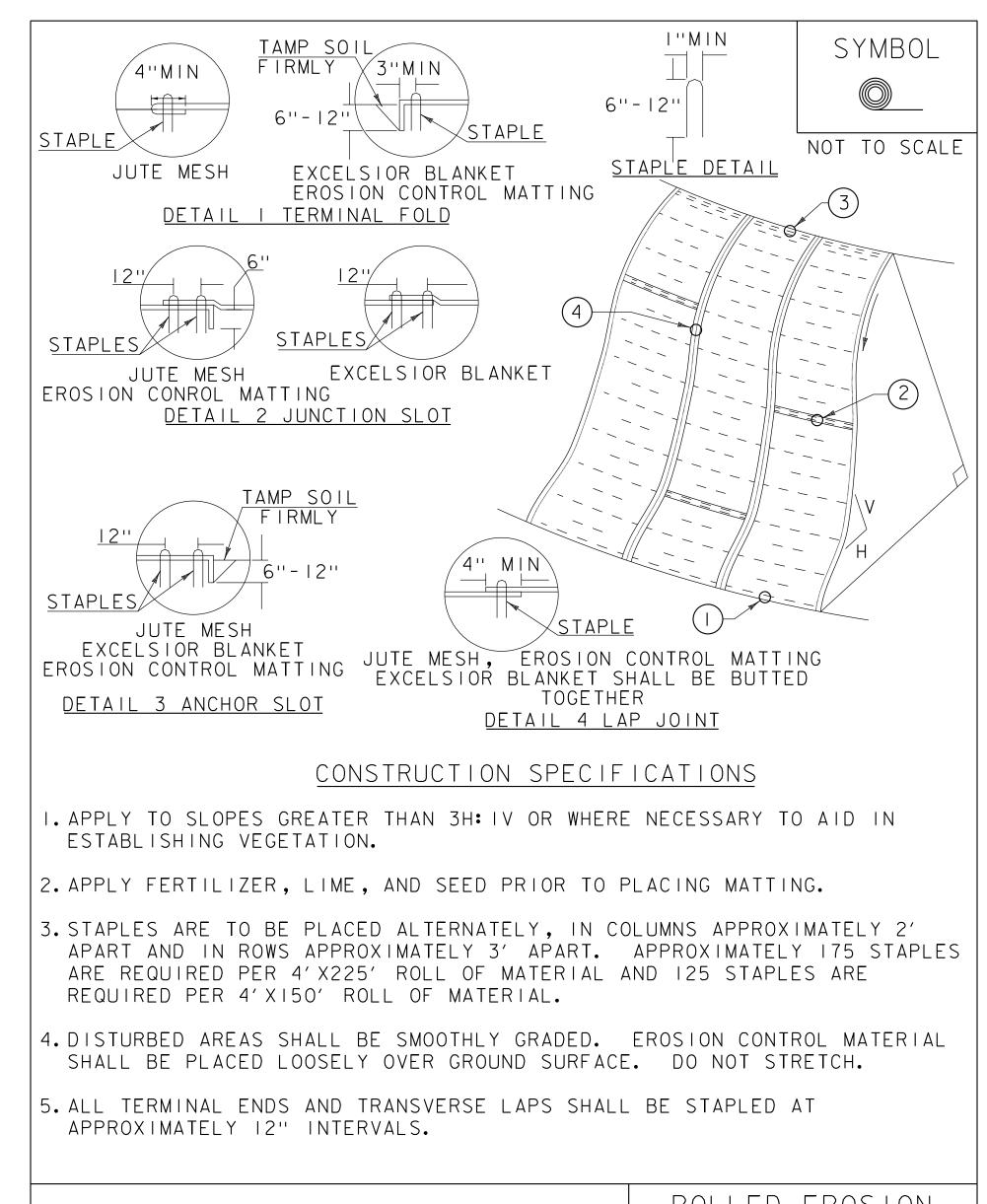
GENERAL	AMENDMEN	IT GUIDANCE					
FERTILIZER	LIME						
10/20/10	AG LIME	PELLETIZED					
500 LBS/AC	2 TONS/AC	1 TONS/AC					

CONSTRUCTION GUIDANCE

- .SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
- 2.SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
- 3.ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- 4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- 5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE. ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
- 6. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED PROPOSED FOR USE WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED.
- 7. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

	•
ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES	TURF ESTABLISHMENT
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.15)	REVISIONS JANUARY 12, 2015 WHF





ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

REVISIONS APRIL 16. 2007 JMF

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION JANUARY 13, 2009 WHF

653 AND AS SHOWN IN THE PLANS FOR ROLLED EROSION CONTROL PRODUCT, TYPE I (PAY ITEM 653.20) OR ROLLED EROSION CONTROL PRODUCT. TYPE II (PAY ITEM 653.21).

PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CAO542

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION APRIL 16, 2007

ORIGINALLY DEVELOPED BY USDA-NRCS

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR

EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM

THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL

653 AND AS SHOWN IN THE PLANS FOR ROLLED EROSION

CONTROL PRODUCT, TYPE I (PAY ITEM 653.20) OR ROLLED

EROSION CONTROL PRODUCT. TYPE II (PAY ITEM 653.21).

NOTES:

GUIDANCE.

CONTROL PRODUCT

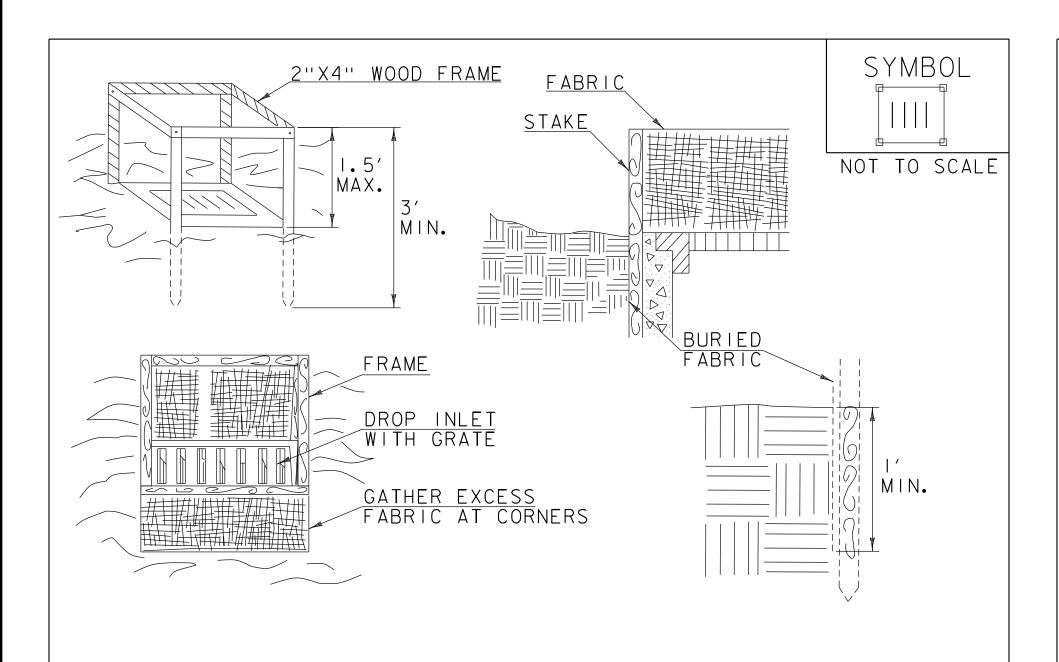
REVISIONS

MARCH 8 . 2007

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JANUARY 13, 2009 WHF

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CONSTRUCTION SPECIFICATIONS

- I.FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- 3. STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
- 4.SPACE STAKES EVENLY AROUND INLET 3′ APART AND DRIVE A MINIMUM 18′ DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- 5. FABRIC SHALL BE EMBEDDED I' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- |6.A~2"~ imes~4"~ Wood frame shall be completed around the crest of the FABRIC FOR OVER FLOW STABILITY.
- 7. MAXIMUM DRAINAGE AREA I ACRE

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

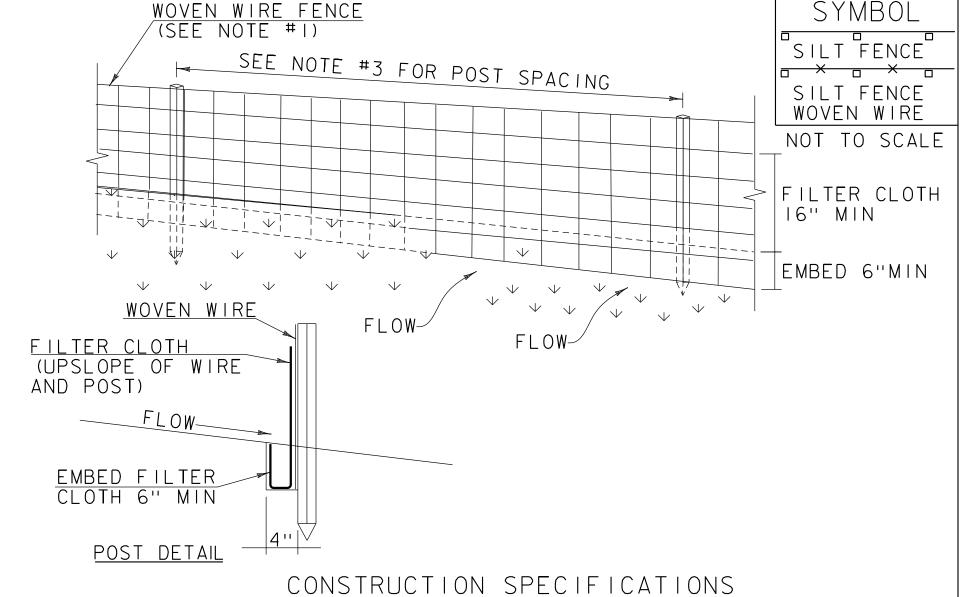
FILTER FABRIC DROP INLET PROTECTION

NOTES:

REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).

REVISIONS MARCH 7.2008 WHF JANUARY 13,2009 WHF



- , WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
- 2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIIOOX, STABILINKA TI40N OR APPROVED EQUIVALENT.
- 3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED
- 4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
- 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

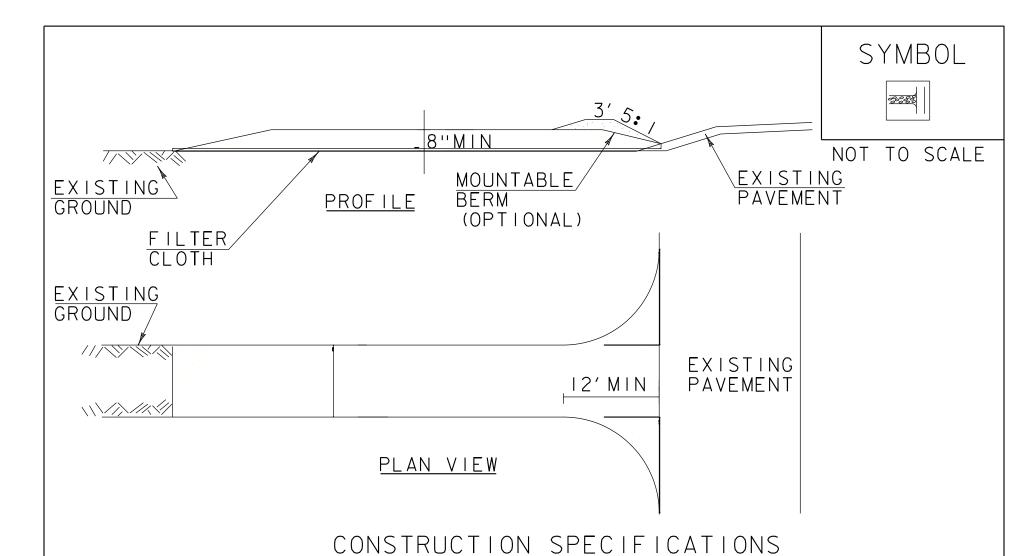
SILT FENCE

SYMBOL

NOTES: REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR SILT FENCE, TYPE I (PAY ITEM 653.475) OR SILT FENCE, TYPE II (PAY ITEM 653,476).

REVISIONS MARCH 21. 2008 WHF DECEMBER II. 2008 WHF JANUARY 13, 2009 WHF



- .STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2.LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
- 3. THICKNESS- NOT LESS THAN 8".
- 4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
- 5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
- 6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5: I SLOPES WILL BE PERMITTED.
- 7.MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. 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 REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

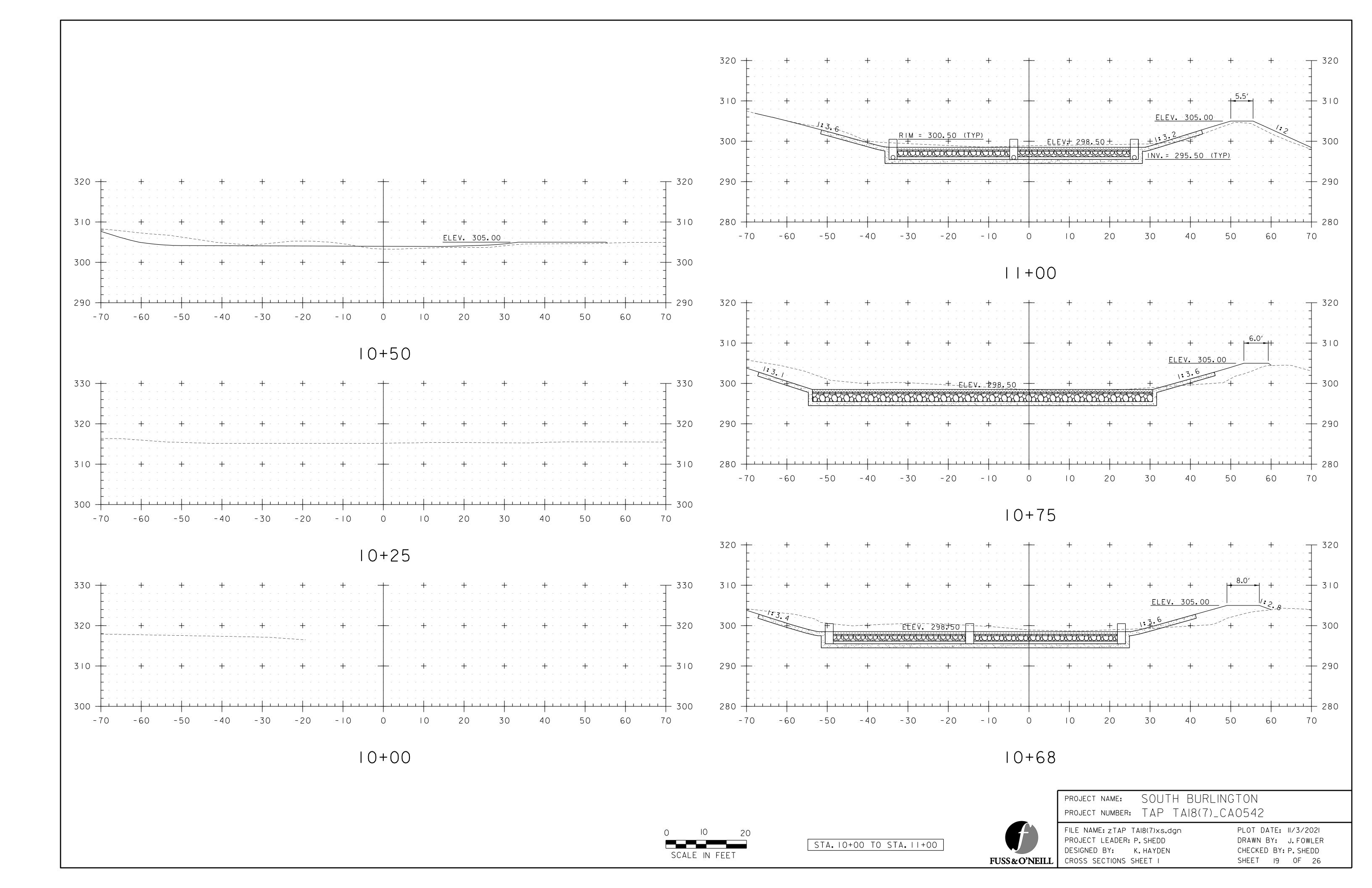
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

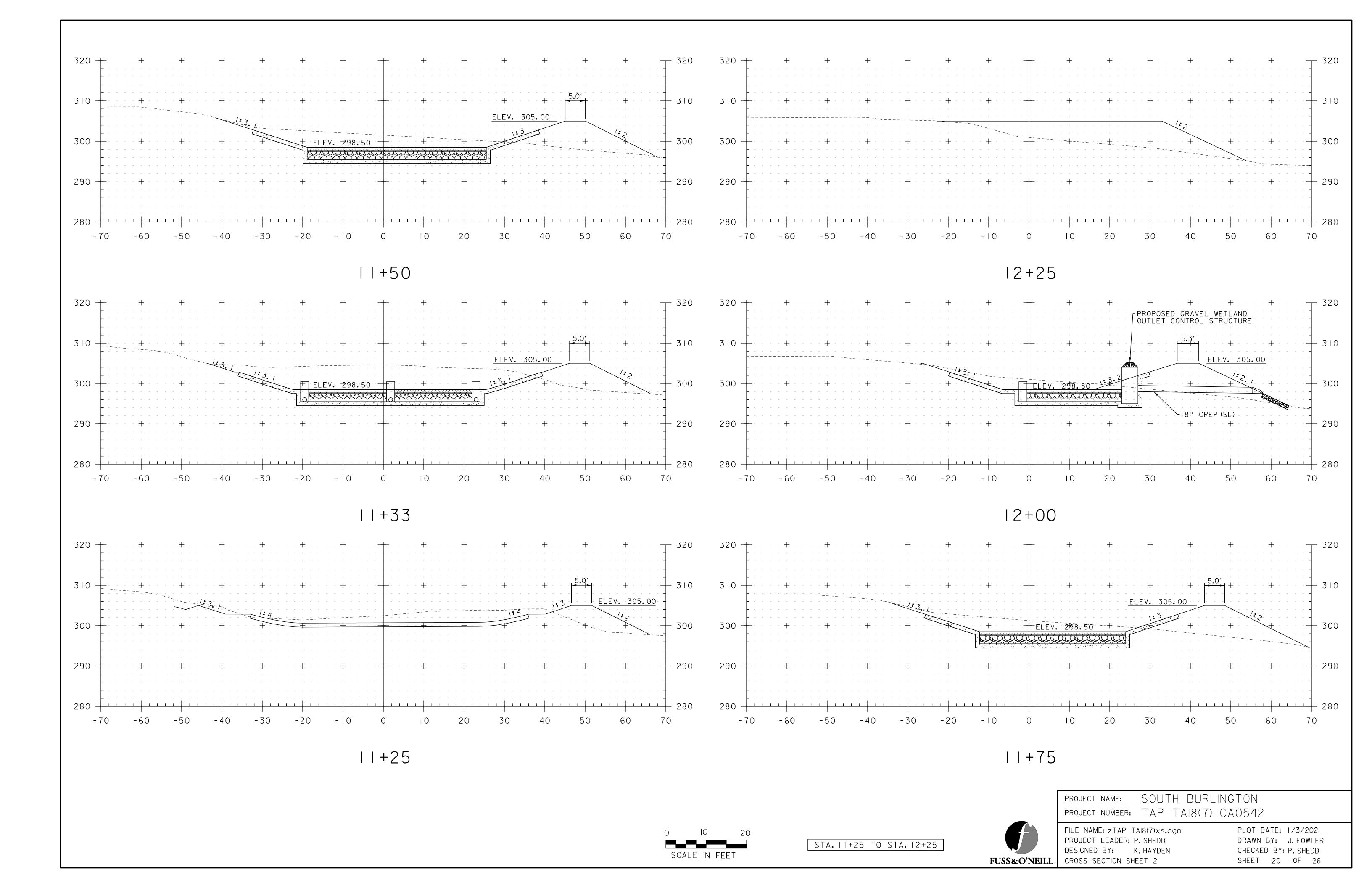
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR STABILIZED CONSTRUCTION ENTRANCE (PAY ITEM 653.35).

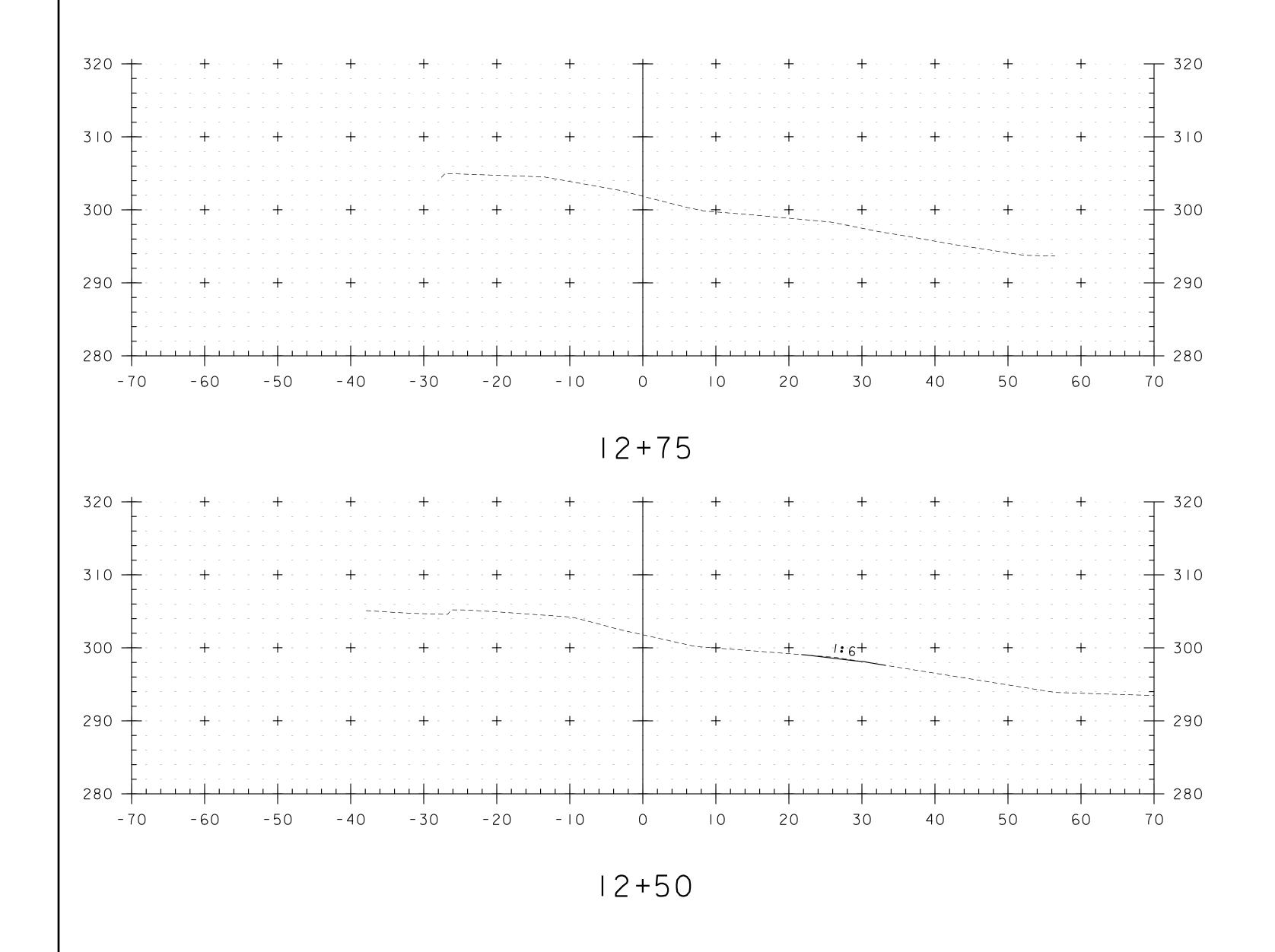
REVISIONS MARCH 24. 2008 WHF JANUARY 13. 2009 WHF

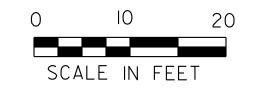
FUSS&O'NEILL | EPSC DETAIL SHEET 2

SOUTH BURLINGTON PROJECT NAME: PROJECT NUMBER: TAP TAI8(7)_CAO542











PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CA0542

TRAFFIC CONTROL GENERAL NOTES

- THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ITS LATEST REVISIONS SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.
- CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND LATEST REVISIONS AND CURRENT STATE STANDARDS.
- TRAFFIC CONTROL PLANS HAVE BEEN INCLUDED WITH THESES PLANS. THE CONTRACTOR MAY SUBMIT ALTERNATE PLANS PER SECTION 641 OF THE SPECIFICATIONS.
- THE BID PRICE FOR ITEM 641.10, TRAFFIC CONTROL SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH, ON AND OFF PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING 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.
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
- RETROREFLECTIVE SHEETING SHALL BE AS NOTED ON VAOT STANDARD T-1 AND IN THE SPECIAL PROVISIONS.
- 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.
- ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL
- THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES OR SHALL COORDINATE EMERGENCY ROUTES WITH EMERGENCY COORDINATORS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND MUNICIPAL PROPERTIES DURING BUSINESS HOURS. COORDINATE MAJOR WORK ON COMMERCIAL OR MUNICIPAL ACCESSES WITH THE OWNER AT LEAST ONE WEEK PRIOR TO STARTING THE WORK. ALL COMMERCIAL AND MUNICIPAL ACCESSES SHALL BE KEPT FREE OF WORK AND TRAFFIC CONTROLLED BY UNIFORMED TRAFFIC OFFICERS OR FLAGGERS AS REQUIRED BY THE ENGINEER. ACCESS TO ALL PROPERTIES MAY BE RESTRICTED FOR A SHORT DURATION (A FEW HOURS). THIS WORK WILL BE COORDINATED WITH THE OWNER.
- ACCOMMODATIONS FOR POSTAL DELIVERIES, NEWSPAPER ROUTES, TRASH SERVICES, AND/OR OTHER DELIVERY SERVICES INTERRUPTED BY THE PROJECT SHALL BE COORDINATED BY THE CONTRACTOR WITH THE APPROPRIATE CONTACTS.
- ALL TRAFFIC SIGNS, TYPE A THAT ARE 36" X 36" OR LARGER SHALL BE MOUNTED ON TWO POSTS. ALL DIAMOND SHAPED CONSTRUCTION SIGNS SHALL BE 48" X 48" AND SHALL BE MOUNTED ON TWO, 3 LBS/FT FLANGED CHANNEL POSTS. NO SIGN POSTS SHALL EXTEND OVER THE TOP EDGE OF THE SIGN INSTALLED ON SAID POSTS. NO SIGN POST STUB HEIGHT SHALL EXCEED FOUR INCHES ABOVE THE GROUND HEIGHT.
- CONTRACTOR SHALL PROVIDE APPROPRIATE SEPARATION BETWEEN THE WORK SPACE AND THE TRAVEL SPACE. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO SWING INTO THE PATH OF TRAVEL AND IMPEDING TRAFFIC FLOW. FLAGGERS SHOULD BE UTILIZED OR WORK AREAS SHALL BE SHIFTED TO ACCOMMODATE WORK ACTIVITY AND TRAFFIC FLOW.
- BICYCLISTS ARE COMMON IN THE WORK AREAS OF THIS PROJECT. CARE SHALL BE TAKEN TO ENSURE THAT OBSTACLES, EQUIPMENT, CONSTRUCTION MATERIALS, TRAFFIC CONTROL DEVICES, ETC. DO NOT ENCROACH INTO THE BICYCLE PATH OF TRAVEL. ALL BICYCLE ROUTES SHALL BE FREE OF RUTS, SAND AND MUD TO PREVENT CYCLIST CRASHES.
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE WHETHER ACCOMMODATIONS NEED TO BE MADE FOR ANY HOLIDAY CELEBRATIONS OR SPECIAL EVENTS.
- CONSTRUCTION IN THE ROADWAY SHALL BE LIMITED TO OFF-PEAK TRAFFIC TIMES.
- TRAFFIC SHALL BE RESTORED TO TWO-LANES AFTER EACH WORK DAY.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

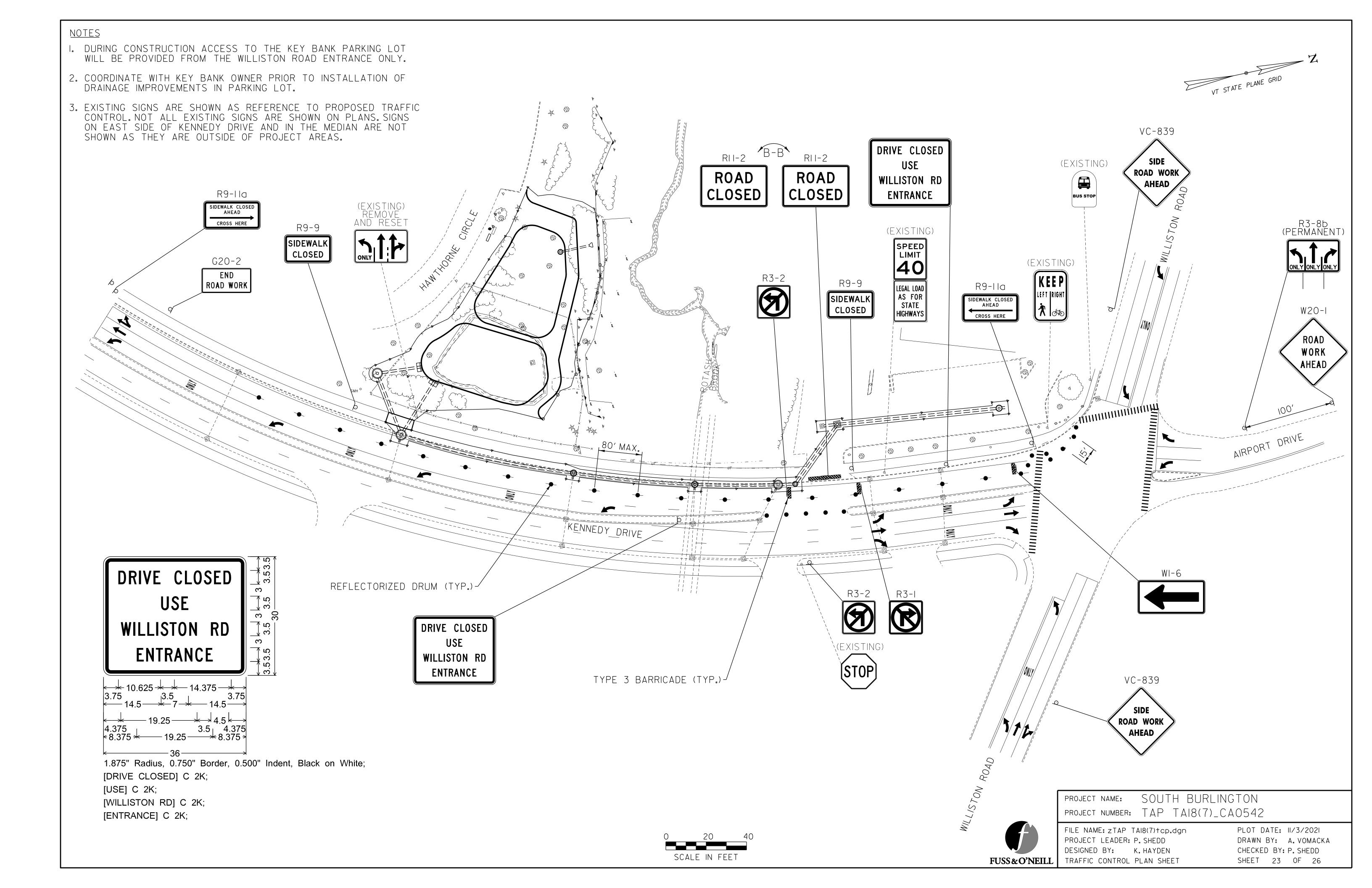
- THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) FOR REVIEW AND WRITTEN APPROVAL BY THE RESIDENT ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN 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 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.
- 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.
- IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH. A 5 FOOT BY 5 FOOT PASSING SPACE MUST BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE FIRM, STABLE AND SLIP-RESISTANT AND CONTINUOUS WITH A MINIMUM 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.
- WHEN TEMPORARY CROSSWALKS ARE UTILIZED FOR THE TPAR, TEMPORARY DETECTABLE WARNINGS 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 PLACE 7 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 CROSSWALK.
- IF THERE IS WORK OCCURRING OVER AN OPEN SIDEWALK, PROTECTIVE OVERHEAD COVERING MUST BE PROVIDED AS NECESSARY TO ENSURE PROTECTION FROM FALLING OBJECTS AND DRIPPING FROM OVERHEAD STRUCTURES. COVERED WALKWAYS SHOULD BE STURDILY CONSTRUCTED AND ADEQUATELY LIGHTED FOR NIGHTTIME USE.
- INDIVIDUAL CHANNELIZING DEVICES, TAPE, OR ROPE USED TO CONNECT INDIVIDUAL DEVICES AND OTHER DISCONTINUOUS BARRIERS AND DEVICES, 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.
- CHANNELIZING DEVICES ON BOTH SIDES OF THE TPAR SHALL INCLUDE 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 BOTTOM RAIL SURFACE NO HIGHER THAN 2 INCHES ABOVE THE GROUND.
- 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.
- THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
- 11. 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 FOR INCIDENTAL TO TRAFFIC CONTROL (ITEM 641.10).

PROJECT NAME: SOUTH BURLINGTON PROJECT NUMBER: TAP TAI8(7)_CAO542



FILE NAME: zTAP TAI8(7)tcp.dgn PROJECT LEADER: P. SHEDD DESIGNED BY: K. HAYDEN FUSS&O'NEILL TRAFFIC CONTROL NOTES

PLOT DATE: II/3/2021 DRAWN BY: A. VOMACKA CHECKED BY: P. SHEDD SHEET 22 OF 26



STATE OF VERMONT AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #1

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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RIGHT - OF - WAY DETAIL SHEET

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2 INV	ESTORS CORPORATION OF VERMONT	1	76+51 LT	79+43 LT		DRAINAGE	P					INCL. EXISTING AND PROPOSED DRAINAGE BETWEEN POTASH BROOK AND WILLISTON ROAD

TABLE OF REVISIONS												
REVISION NO.	ROW SET SHEET#	DESCRIPTION	DATE									
	1		1									

PROJECT NAME: SOUTH BURLINGTON
PROJECT NUMBER: TAP TAI8(7)_CAO542

FILE NAME: zTAP TAI8(7)rowdet.dgn
PROJECT LEADER: P. SHEDD
DESIGNED BY: S. GOODWIN
R.O.W. DETAIL SHEET

PLOT DATE: II/3/202I
DRAWN BY: S. GOODWIN
CHECKED BY: P. SHEDD
SHEET 25 OF 26

