

	INDEX OF SHEETS		FOR ST AT: WW STANDA
SHEET NO. 1 2 3.4 5	TITLE PAGE INDEX OF SHEETS AND GENERAL NOTES STANDARD SYMBOLS GENERAL NOTES AND QUANTITIES	2	HIGH T THROUG AND RU ON REG EXTREM
3.4 5 6 7 8 9	STANDARD SYMBOLS GENERAL NOTES AND QUANTITIES GENERAL PLAN AND ELEVATION COUNTERMEASURE DETAILS TRAFFIC CONTROL PLAN CONSTRUCTION STAGING PLAN	3	AND IND ON REG EXTREM EQUIPM MODIFY LEVELI OR AS EXISTI DETERM BE RES MARKER THE CO NO EXI WITHOU

<u>GENERAL NOTES</u>

TANDARD PLANS, SEE DEPARTMENT OF TRANSPORTATION WEBSITE www.nh.gov/dot/org/projectdevelopment/highwaydesign/ ARDPLANS/INDEX.HTM.

TENSION OVERHEAD TRANSMISSION LINES ARE LOCATED SHOUT THE PROJECT WITH CROSSINGS AT VARIOUS LOCATIONS JNNING ALONG THE ROAD THROUGHOUT THE PROJECT EVEN GULAR POLES. THE CONTRACTOR IS ADVISED THAT ME CAUTION WILL BE REQUIRED IN THE OPERATION OF MENT, ESPECIALLY CRANES AND PILE DRIVING EQUIPMENT.

SUPERELEVATION ON EXISTING CURVES BY THE USE OF A ING COURSE TO THE RATES INDICATED ON THE PLANS ORDERED.

ING DELINEATORS AND WITNESS MARKERS THAT ARE REMOVED AND AINED BY THE ENGINEER TO BE IN ACCEPTABLE CONDITION SHALL SET (SUBSIDIARY). ADDITIONAL DELINEATORS AND WITNESS RS ORDERED WILL BE PAID UNDER THE APPROPRIATE ITEMS OF ONTRACT.

ISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED JT FIRST MAKING PROVISIONS FOR RELOCATION.

	PERFORM AL	L WC
$\bigcirc$	OTHERWISE	SHOV

- (7)
- 8
- (9)

	THE FOLLOWING GENERAL NOTES WILL BE USED ON THIS PROJECT:										
	12045608000										
$\bigcirc$	000000000000000000000000000000000000										

VORK WITHIN THE EXISTING RIGHT-OF-WAY, UNLESS WN ON THE PLANS OR AS ORDERED BY THE ENGINEER.

REMOVE UNPROTECTED PROJECT MARKERS (SUBSIDIARY).

SURVEY DATA FOR THIS PROJECT WAS COLLECTED BY SDR AND THE FIELD NOTES CAN BE FOUND IN THE FIELD BOOK(S) 13472. COORDINATES ARE NEW HAMPSHIRE STATE PLANE COORDINATES OF NAD83, 2011 ADJUSTMENT AND THE BEARINGS ARE GRID. ELEVATIONS ARE REFERENCED TO NAVD 1988.

QUANTITIES FOR EMBANKMENT AND EXCAVATION FOR SLOPE ROUNDINGS AS SHOWN ON THE TYPICALS HAVE NOT BEEN CALCULATED AND ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, AND ARE CONSIDERED SUBSIDIARY TO THE APPROPRIATE 203 ITEMS.

	STATE OF NEW HAMPSHIRE							
	DEPARTMENT OF TRA	DEPARTMENT OF TRANSPORTATION . BUREAU OF HIGHWAY DESIGN						
	I NI AND	DEX OF SH GENERAL N	EETS NOTES					
REVISION DATE	DGN	DGN STATE PROJECT NO. SHEET NO. TOTAL SHEETS						
9-1-2016	25067ind 25067 2 9							

# GENERAL



ORIGINAL GROUND (TYPICALS)	ŢĸĔĸĔĸŶĹĬĔĸĔĸĔĸŶĹĬĔĸĔĸĔĸŶĹĬĔĸĔĸĔĸŶĹĬĔĸĔĸĔĸŶĹĬĔ	WETLAND DESIGNATION AND TYPE	PUB2E
		DELINEATED WETLAND	- — D W — — — D W — — — D W — — — D W — — — - —
		TOP OF BANK	товтовтов
ROCK OUTCROP		TOP OF BANK & ORDINARY HIGH WATER	— — ТОВОНШ— — — ТОВОНШ— —
		NORMAL HIGH WATER	——————————————————————————————————————
		WIDTH AT BANK FULL PRIME WETLAND	
ROCK LINE	ע ע ע <sub>ע</sub> ש <sub>ח</sub> ח ח ח ח ח ח ח ח ח ח ח ח ח ח ח ח ח ח	PRIME WETLAND 100' BUFFER	
(TYPICALS & SECTIONS ONLY)		NON-JURISDICTIONAL DRAINAGE AREA	——————————————————————————————————————
	existing PROPOSED	COWARDIN DISTINCTION LINE	
	bgr de de de de	TIDAL BUFFER ZONE	——————————————————————————————————————
GUARDRAIL (IDDEI TYPE)	<u> </u>	HIGHEST OBSERVABLE TIDE LINE	——————————————————————————————————————
		MEAN HIGH WATER	— — мнw — — мнw — — мнw — — инw — —
JERSEY BARRIER		MEAN LOW WATER	— — — MLW— — — MLW— — — —
		VERNAL POOL	
CURB (LAREL TYPE)		SPECIAL AQUATIC SITE REFERENCE LINE	——————————————————————————————————————
		WATER FRONT BUFFER	
		NATURAL WOODLAND BUFFER	
STONE WALL	_ooo <b></b>	PROTECTED SHORELAND	
		INVASIVE SPECIES LABEL	
RETAINING WALL (LABEL TYPE)	(points toward) 	INVASIVE SPECIES	INVINVINV
FENCE (LABEL TYPE)	//// <b>//</b>	FLOODPL	AIN / FLOODWAY
		500 YEAR FLOODPLAIN BOUNDARY	——————————————————————————————————————
SIGNS	(single post)	100 YEAR FLOODPLAIN BOUNDARY	——————————————————————————————————————
	(double post)	FLOODWAY	— — F W — — F W — F W — F W —
GAS PUMP	⊙ gp	ENG	NEERING
FUEL TANK (ABOVE GROUND)	$\odot$ f + (label size & type)	CONSTRUCTION BASELINE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
STORAGE TANK FILLER CAP	⊙ fc	PC, PT, POT (ON CONST BASELINE)	$\bigcirc$
STORAGE TANK FILLER CAP SEPTIC TANK	⊙ fc S	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES)	$\bigcirc$
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE	<ul> <li>⊙ fc</li> <li>S</li> <li>⊙ gr</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES	
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE	
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX	<ul> <li>⊙ fc</li> <li>⑤</li> <li>① gr</li> <li>① mb</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS)	
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS)	
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> <li>⊙ VP</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS)	CLEARING LINE
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> <li>○ VP</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE	SLOPE LINE CLEARING LINE
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> <li>○ Vp</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE	SLOPE LINE     CLEARING LINE
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>○ mb</li> <li>○ vp</li> <li>do</li> <li>✓ ph</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE (FILL)	SLOPE LINE     CLEARING LINE
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>○ mb</li> <li>○ vp</li> <li>do</li> <li>✓ ph</li> <li>♀ g   ♀   p</li> </ul>	PC. PT. POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE SLOPE LINE (FILL) SLOPE LINE (CUT)	SLOPE LINE   CLEARING LINE TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST BORING LOCATION	<ul> <li>⊙ fc</li> <li>⑤</li> <li>① gr</li> <li>○ mb</li> <li>○ vp</li> <li>○ vp</li> <li>○ 0</li> <li>○ ph</li> <li>○ gl ↔ lp</li> <li>⑥</li> <li>B</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE (FILL) SLOPE LINE (CUT) PROFILES AND CROSS SECTIONS: ORIGINAL GROUND ELEVATION (LEFT) FINISHED GRADE ELEVATION (RIGHT)	$ \begin{array}{c} \square \\ \square \\ \square \\ \blacksquare \\$
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST BORING LOCATION TEST PIT	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>O mb</li> <li>O vp</li> <li>da</li> <li>D ph</li> <li>⊕ g   ⊙   p</li> <li>B</li> <li>TP</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE SLOPE LINE (FILL) SLOPE LINE (CUT) PROFILES AND CROSS SECTIONS: ORIGINAL GROUND ELEVATION (LEFT) FINISHED GRADE ELEVATION (RIGHT)	$ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST BORING LOCATION TEST PIT	<ul> <li>⊙ fc</li> <li>⑤</li> <li>① gr</li> <li>① mb</li> <li>○ vp</li> <li>do</li> <li>✓ ph</li> <li>⇔ g   ⊕   p</li> <li>⊕ B</li> <li>● TP</li> </ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE (FILL) SLOPE LINE (CUT) PROFILES AND CROSS SECTIONS: ORIGINAL GROUND ELEVATION (LEFT) FINISHED GRADE ELEVATION (RIGHT)	SLOPE LINE SLOPE LINE SLOPE LINE CLEARING LINE TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST BORING LOCATION TEST PIT INTERSTATE NUMBERED HIGHWAY	<ul> <li>O fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> <li>○ vp</li> <li>da</li> <li>Ø ph</li> <li>I ph</li> &lt;</ul>	PC, PT, POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE (FILL) SLOPE LINE (CUT) PROFILES AND CROSS SECTIONS: ORIGINAL GROUND ELEVATION (LEFT) FINISHED GRADE ELEVATION (RIGHT)	Image: SLOPE LINE       CLEARING LINE         SLOPE LINE       CLEARING LINE         Image: SLOPE LINE       CLEARING LINE         Image: SLOPE LINE       CLEARING LINE         Image: SLOPE LINE       Image: SLOPE LINE         Image: SLOPE LINE       CLEARING LINE         Image: SLOPE LINE       Image: SLOPE LINE         Image: SLOPE LINE       CLEARING LINE         Image: SLOPE LINE       Image: SLOPE LINE         Image: SLOPE LINE       SHEET 1 0         STATE OF NEW HAMPSHIRE       SHEET 1 0         STATE OF IRANSPORTATION © BUREAU OF HIGHWAY DES
STORAGE TANK FILLER CAP SEPTIC TANK GRAVE MAILBOX VENT PIPE SATELLITE DISH ANTENNA PHONE GROUND LIGHT/LAMP POST BORING LOCATION TEST PIT INTERSTATE NUMBERED HIGHWAY UNITED STATES NUMBERED HIGHWAY	<ul> <li>⊙ fc</li> <li>S</li> <li>① gr</li> <li>① mb</li> <li>○ vp</li> <li>da </li> <li>✓ ph</li> <li>↓ g   · ◇   p</li> <li>B</li> <li>TP</li> <li>③ B</li> <li>③ TP</li> <li>④ 3</li> </ul>	PC. PT. POT (ON CONST BASELINE) PI (IN CONSTRUCTION BASELINES) INTERSECTION OR EQUATION OF TWO LINES ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS) PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS) CLEARING LINE SLOPE LINE (FILL) SLOPE LINE (FILL) SLOPE LINE (CUT) PROFILES AND CROSS SECTIONS: ORIGINAL GROUND ELEVATION (LEFT) FINISHED GRADE ELEVATION (RIGHT)	STATE OF NEW HAMPSHIRE

# SHORELAND - WETLAND

FLOODPLAIN BOUNDARY	——————————————————————————————————————
FLOODPLAIN BOUNDARY	——————————————————————————————————————
	— — F W — — F W — — F W —

OF 2 SIGN 

REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
11-21-2014	25067sym	25067	3	9

# DRAINAGE



# **BOUNDARIES / RIGHT-OF-WAY**

RIGHT-OF-WAY LINE (label type) RR RIGHT-OF-WAY LINE \_\_\_\_\_ \_\_\_ \_\_\_\_ PROPERTY LINE PROPERTY LINE (COMMON OWNER) \_\_\_\_\_ Z \_\_\_\_\_ Z \_\_\_\_\_ \_\_\_\_\_<u>BOW</u>\_\_\_\_\_ CONCORD TOWN LINE COOS GRAF TON COUNTY LINE MAINE STATE LINE \_\_\_\_\_ NEW HAMPSHIRE NATIONAL FOREST CONSERVATION LAND — — LC— — — LC— — BENCH MARK / SURVEY DISK  $\longrightarrow$ BOUND • (PROPOSED) • bnd STATE LINE/ TOWN LINE MONUMENT • S/L • T/L  $\bigcirc$ NHDOT PROJECT MARKER • IRON PIPE OR PIN ip DRILL HOLE IN ROCK • dh (156 14) TAX MAP AND LOT NUMBER 1642/341 6.80 Ac.<u>+</u> (12)PROPERTY PARCEL NUMBER (H)HISTORIC PROPERTY

# UTILITIES

	existing	PRUDI	1SE D			
TELEPHONE POLE			<u></u>		existing	PROPOSED
POWER POLE				MAST ARM (existing)	$(\cdot)$	(NOTE ANGLE EROM B)
JOINT OCCUPANCY	-0 -	(plot point at fac not center of symb	e ol)	OPTICOM RECEIVER		
MISCELLANEOUSZUNKNOWN POLE				OPTICOM STROBE		
				TRAFFIC SIGNAL	$\bigcirc \checkmark$	$\Theta$
GUY POLE OR PUSH BRACE		$\leftarrow$		PEDESTAL WITH PEDESTRI HEADS AND PUSH BUTTON	AN SIGNAL O	
LIGHT POLE		$\oplus$		SIGNAL CONDUIT	-cc	-PCPC
LIGHT ON POWER POLE		$\oplus$		CONTROLLER CABINET	×CC	⊠CC
LIGHT ON JOINT POLE		$\Phi$	-0	METER PEDESTAL	X mp	⊠ MP
				PULL BOX	Πpb	ΠPB
POLE STATUS: REMOVE, LEAVE, PROPOSED, OR TEMPORARY		P+04 25.0'	<u>T+04</u> 25.0'	LOOP DETECTOR (QUADRUP	OLE)	
AS APPLICABLE e.g.:			Ť			(label size)
RAILROAD				LOOF DETECTOR (RECTANG	OLAR /	(label size) •
RAILROAD SIGN	(label owner)	ship) ¥		CAMERA POLE (CCTV)	Ŏ	
RATI ROAD SIGNAL			1	FIBER OPTIC DELINEATOR	DO+00	⊡F UD
			7	FIBER OPTIC SPLICE VAU		S V F
UTILITY JUNCTION BOX	Хjb	⊠J	В	ITS EQUIPMENT CABINET	$\boxtimes_1 \uparrow_S$	$\boxtimes 112$
OVERHEAD WIRE		-OwOw	Ow	VARIABLE SPEED LIMIT S	IGN	
UNDERGROUND LITTLES	(Iddel Typ	be)		DYNAMIC MESSAGE SIGN		
WATER label size, type and	w	— ω — <b>Ρω</b>		ROAD AND WEATHER INFO	SYSTEM <>-(·)	
note if abandoned)	_			CONS	STRUCTION NOTES	8
SEWER	S	— S ——— PS ———	——РS-——-	CURB MARK NUMBER - BIT	UMINOUS	B-1
TELEPHONE	—— т ———	— T PT	——— РТ ———	CURB MARK NUMBER – GRA	ΝΙΤΕ	G-1
ELECTRIC	——— E ————	— E ——— <b>PE ——</b>	PE	CLEARING AND GRUBBING	AREA	
GAS	G	– G ——— <b>PG ———</b>	PG	DRAINAGE NOTE		$\langle 1 \rangle$
LIGHTING	L	— L ——— <b>PL —</b> ——	PL	EROSION CONTROL NOTE		$\langle A \rangle$
INTELLIGENT TRANSPORTATION SYSTEM	I T S	— ITS — <b>— PITS</b> — —	PITS	FENCING NOTE		
FIBER OPTIC	F0	—F0—— <b>PF0</b> ——	PF 0	GUARDRAIL NOTE		1
WATER SHUT OFF	WSO	*S	>	ITS NOTE		
GAS SHUT OFF	<u>s</u> o	د s O	0			
HYDRANT	Ŭ,	Ç	2	LIGHTING NOTE		
MANHOLES	Λ <sub>y</sub> δ	Ϋ́Ύ	0	TRAFFIC SIGNAL NOTE		$\langle 1 \rangle$
SEWER	(s) m $(s)$		МНЅ			
TELEPHONE	$(\uparrow)$		- МНТ			SHEEL 2 UF 2
ELECTRICAL			MHF		DEPARTMENT OF TRANSPORTATI	NEW HAMFSHIKE [ON ● BUREAU OF HIGHWAY DESIGN
GAS			MHG			
UNKNOWN					S I ANDARD	SYMBULS
				REVISION DAT 9-1-2016	TE DGN STATE PRO 6 25067sym 250	DECT ND. SHEET ND. TOTAL SHEETS

# **TRAFFIC SIGNALS / ITS**

	<u>GENERAL NOTES</u>		BANK RES	TORATION AND REVEGETATION	l					
(1)	THE ORIENTATION OF THE "LEFT" AND "RIGHT" NAMING OF THE ABUTMENTS LOOKING DOWNSTREAM. CONTRACTOR SHALL BE AWARE THAT SURVEY AROUND THE PIER IS NOT COMP SHOWN AROUND EXISTING TIMBER CRIBBING ARE ESTIMATED FROM FIELD OB CONTRACTOR SHALL VERIFY STREAM BED CHARACTERISTICS PRIOR TO COUNT	IS BASED ON LETE. CONTOURS SERVATIONS. ERMEASURE	(1) TEMPORARY WORK AND BULKHEAD/D THE NORTHEASTE ALONG THE RIVE - ACCESS FOR E	SPACE ON THE EAST BANK OCK. TEMPORARY ACCESS TO RN QUADRANT OF THE BRIDG RBANK AND A TEMPORARY AC BRIDGE CONSTRUCTION).	DF THE CONNECTICUT RIVER CONSISTS F ALL THREE SUBSTRUCTURE UNITS IS PF E LOCATED IN NEW HAMPSHIRE. A TEMF CESS ROAD WILL BE INSTALLED FOR ACC	HE CONNECTICUT RIVER CONSISTS PREDOMINANTLY OF A TEMPORARY ACCESS ROAD THREE SUBSTRUCTURE UNITS IS PROPOSED VIA STATE RIGHT-OF-WAY LOCATED ON CATED IN NEW HAMPSHIRE. A TEMPORARY BULKHEAD/DOCK WILL BE CONSTRUCTED ROAD WILL BE INSTALLED FOR ACCESS FROM ROUTE 12A (PAID UNDER ITEM 500.02				
(3)	PLACEMENT. WATER LEVELS WITHIN THE VICINITY OF THE BRIDGE MAY BE MONITORED U	(2) PRIOR TO THE CONSTRUCTION OF THE TEMPORARY ACCESS ROAD, WOODY VEGETATION (TREES & SHRUBS) WILL BE CLEARED BUT NOT GRUBBED AND PERIMETER EROSION AND SEDIMENTATION CONTROL (ESC) MEASURES (EVITED SOCKS/SULT EENCES) WILL BE INSTALLED								
(4)	WILDER DAM IS LOCATED APPROXIMATELY 16 MILES UPSTREAM OF THE BRID OPERATED BY GREAT RIVER HYDRO, LLC, CURRENT AND FORECASTED FLOWS POWER GENERATION DAM MAY BE FOUND HERE : http://www.h2oline.com/default.asp	GE• AND IS FOR THIS x?pg=si&op=505121	AT LIMITS OF W (3) THE ACCESS ROA AND LAYDOWN AF	ORK AND MATERIAL STOCKPIN D WILL BE GRADED AS NECES REAS WILL BE PLACED ON UNI	LE AREAS AS APPLICABLE (SEE CONSTRU SSARY TO CREATE SAFE WORKING CONDIT DERLYING GEOTECHNICAL FABRIC SUBSID	JCTION SEQUENCING). TIONS. ALL FILL WITHIN THE TEMP DIARY TO ITEM 500.02 TO ALLOW C	PORARY ROAD			
	ACCESS FOR BRIDGE CONSTRUCTION		REMOVAL OF THE	ACCESS ROAD FOLLOWING C	DNSTRUCTION.					
(1)	ITEM 500.02, ACCESS FOR BRIDGE CONSTRUCTION, SHALL CONSIST OF THE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL TEMPORARY ACCESS NE CONTRACTOR TO COMPLETE THE WORK.	EDESIGN.	(4) FOLLOWING INST RIVER BANK WIL CONDITIONS/TOF 6-12 INCHES OF	ALLATION OF SCOUR COUNTER L BE REMOVED, WHERE GRAD POGRAPHY, SOILS THAT ARE LOAMY MATERIAL SUBSIDIA	RMEASURES, THE TEMPORARY BULKHEAD/D ING OCCURS, DISTURBED AREAS WILL BE HEAVILY DISTURBED (I.E. LOSS OF TOF RY TO ITEM 500.02 ON SLOPES STEEPEF	DOCK AND ACCESS ROAD ON THE NOR E RESTORED TO PRE-EXISTING PSOIL/SURFACE LAYERS) WILL BE A R THAN 3:1 AND IN LOW-LYING ARE	RTHEASTERN AMENDED WITH LAS			
	COFFERDAMS		SUSCEPTIBLE TO ITEM 699 ACCOR	) EROSION, BIO-DEGRADABLE DING TO MANUFACTURER'S D	EROSION CONTROL BLANKETS (JUTE, ET ESIGNS AND/OR THE NHDES NEW HAMPSH)	<pre>IC.) WILL BE INSTALLED AND PAID IRE STORMWATER MANUAL, VOLUME 3</pre>	) FOR UNDER 3. EROSION			
(1)	ALL ITEMS COVERED UNDER SECTION 503 OF THE SPECIFICATIONS SHALL B PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF N.H. THE CONTRAC STAMPED AND SIGNED WORKING DRAWINGS AND CALCULATIONS FOR REVIEW A ACCORDANCE WITH SECTION 105.02.	E PREPARED BY A TOR SHALL SUBMIT ND DOCUMENTATION IN	AND SEDIMENT C (5) TREE AND SHRUE AT/BELOW THE T THE BIVER BANK	ONTROLS (DECEMBER 2008). ROOT STOCK, AS IDENTIFI OP OF BANK (TOB) AS WELL	ED IN TABLE 1 BELOW, WILL BE PLANTE AS ADJACENT UPLANDS WITHIN THE FOO	D WITHIN TEMPORARILY DISTURBED DTPRINT OF THE TEMPORARY ACCESS SUPPLEMENTED WITH AN EPOSION	) AREAS 5 AREA ON CONTROL			
(2)	COUNTERMEASURE INSTALLATION AND GROUTING AT THE ABUTMENTS SHALL E	BE DONE IN THE DRY.	SEED MIX TO ES	TABLISH HERBACEOUS GROUN	COVER.	SUFFLEMENTED WITH AN ERUSION	CONTROL			
(3)	COFFERDAMS ARE REQUIRED TO CONTROL THE STREAM INFLOW AND ADEQUATE COUNTERMEASURE INSTALLATION AREA. SUMP PUMPING AREAS AROUND THE E REQUIRED TO ADEQUATELY CONTROL THE INFLOW OF WATER WITHIN THE ARE AVERAGE RIVER LEVEL CONDITIONS AT THE TIME OF CONSTRUCTION AND TH DEWATERING. ALL COSTS FOR MATERIALS, INSTALLATION, DEWATERING, MAI SHALL BE INCLUDED IN THE COFFERDAM ITEMS.	LY DEWATER THE INTIRE PERIMETER MAY BE A DEPENDING ON THE E CONTRACTOR'S METHOD OF INTENANCE AND REMOVAL		TABLE Planted In	1 - PROPOSED VEGETATION ' N RIPARIAN ZONE RESTORATI	TO BE ON AREAS				
(4)	PUMPING OF WATER SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVEN BEARING SOIL. PUMPING AREAS SHALL BE LOCATED OUTSIDE THE COUNTERN THE COEFERDAMS. PUMPS SHALL BE PROPERLY FILTERED TO PREVENT THE	NT DISTURBANCE OF THE MEASURE LIMITS, WITHIN		ITEM	650.2 - LANDSCAPING - 1 (	JNIT				
(5)	IN SOME LOCATIONS PRE-EXCAVATION OF COBBLES AND BOULDERS MAY BE R	EQUIRED PRIOR TO	COMMON NAME	LATIN NAME	ELEVATION/PLANTING DENSITY/COMMENTS	SIZE	NUMBER BANK: EAST			
	PLACING COFFERDAMS AND TURBIDITY BARRIERS. DURING EXCAVATION THE DISTURB THE AREA AS LITTLE AS POSSIBLE AND USE NECESSARY PRECAUTI THE IMPACTS TO THE RIVER. ALL COSTS INCLUDED IN THE COFFERDAM AN	CONTRACTOR SHALL ONS TO MINIMIZE	RED MAPLE	ACER RUBRUM	TREES 315-325 FEET; ≈ 1 PLANT / 150 SF	8-10 ft. (1-2 inch caliper/ burlap root ball)	1			
	THE IMPACTS TO THE RIVER. ALL COSTS INCLUDED IN THE COFFERDAM AN	U TORDIDITT DARRIER ITEMS.	SLIPPERY ELM	ULMUS RUBRA	310-320 FEET; ≈ 1 PLANT / 150 SF	8-10 ft. (1-2 inch caliper/ burlap root ball)	1			
	ESTIMATE OF QUANTITIES		BOX ELDER	ACER NEGUNDO	310-320 FEET; ≈ 1 PLANT / 150 SF	8-10 ft. (1-2 inch caliper/ burlap root ball)	1			
ITEM	DESCRIPTION	UNIT VT NH TOTAL	GREEN ASH	FRAXINUS PENNSYLVANICA	300-310 FEET; ≈ 1 PLANT / 150 SF	8-10 ft. (1-2 inch caliper/ burlap root ball)	1			
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY 79 121 200								
304.6	CRUSHED STONE (VERY COARSE)	CY 21 24 45			I SHRUBS					
500.02	ACCESS FOR BRIDGE CONSTRUCTION	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	NORTHERN ARROW-WOO	D VIBURNUM DENTATUM	305-320 FEET; ≈ 1 PLANT / 100 SF	4-6 ft. (1-3 gal container)	2			
503.202	COFFERDAMS - LEFT ABUTMENT	EA 0 1 1	BLACK CHOKEBERRY	ARONIA MELANOCARPA	305-320 FEET; ≈ 1 PLANT / 100 SF	4-6 ft. (1-3 gal container)	1			
583.0505	PARTIALLY GROUTED RIP-RAP, 12 INCH	CY         164         121         285           CY         70         130         200	SILKY DOGWOOD	CORNUS AMOMUM	300-310 FEET; ≈ 1 PLANT / 100 SF	4-6 ft. (1-3 gal container)	1			
585.2	STONE FILL, CLASS A	<u>CY</u> <u>70</u> <u>150</u> <u>200</u> CY <u>32</u> <u>258</u> <u>290</u>								
606.0001	STEEL BEAM FOR BEAM GUARDRAIL, INCLUDING HARDWARE	LF 16.5 33.5 50								
606.014	6"X8" WOOD POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA 4 8 12	NHDES STORMWATER MA	ANUAL, VOL. 3,	SEED MIX A OR C (SEC.4.1)1 OR EQ	UIVALENT	0.5.150			
606.0142	6"X8" WUUD PUST ASSEMBLIES FUR BEAM GUARDRAIL PUSTS	<u>EA 4 8 12</u> LE 43.3 86.7 130	EROSION/SEDIMENT CO	DNTROLS (DEC. 2008)	SPECIES AND INDICATOR STATUS VARI	ABLE; ≈ 1.0 lbs./1.000 s.f.	0.5 105			
606.91	RESETTING OR SETTING GUARDRAIL	LF 43.3 86.7 130	birdsfoot trefoil (	Lotus corniculates) and/o	pr redtop (Agrostis alba):					
606.9522	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$ 1,000 2,000 3,000								
618.7	FLAGGERS	HR 80 160 240								
619.1	MAINTENANCE OF TRAFFIC	U 0.33 0.67 1								
619.25	RETROREFLECTIVE REAM GUARDRAIL DELINEATOR	$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF 316.7 633.3 950								
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF 24 48 72								
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF 273.3 546.7 820								
645.0001	TURBIDITY BARRIER	LF 163 502 665								
645.7	STORM WATER POLLUTION PREVENTION PLAN	U 0.33 0.67 1								
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR 80 160 240								
650.2	LANDSCAPING	U 0.33 0.67 1								
610.104		U U.00 1.34 Z U 0.33 0.67 1								
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$ 0.33 0.67 1								
1010.15	FUEL ADJUSTMENT	\$ 666.7 1333.3 2000								



PERMANENT CONSTRUCTION SIGNS AND WARNING DEVICES										
		(IN	CLUDED IN	ITEM 619	.1)					
SIGN NO.	DESCRIPTION	SIZE(FT)	S.F.	NO. REQ.	TOTAL AREA	POSTS	REMARKS			
G20-2a	END ROAD WORK	2X4	8	3	24	6	FLUORESCENT ORANGE			
R10-6	STOP HERE ON RED	2X3	6	3	18	3				
R50-1	NH LAW WORK ZONE	4X6	24	3	72	6				
W3-3	SIGNAL AHEAD	3X3	9	3	27	6	FLUORESCENT ORANGE			
W5-3a	ONE LANE ROAD	3X3	9	2	18	4	FLUORESCENT ORANGE			
W20-1a	ROAD WORK AHEAD	3X3	9	3	27	6	FLUORESCENT ORANGE			
W20-1e	ROAD WORK 1/2 MILE	3X3	9	2	18	4	FLUORESCENT ORANGE			
The es r NHDOT S	stimated quantities esponsible for all Specifications and t	of "Perma "Operatic he Manual	nent Cont mal Contr on Unifc	rols" are ols" requ rm Traffi	hereby l Jired unde c Control	isted. T er section Devices	he Contractor is 609 of the (MUTCD), Part VI.			

McFarland Johnson

	STATE OF NEW HAMPSHIRE								
	DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN								
TOW	N CORNISH, N.H., WIND	SOR, VI	Г	BRIDGE	NO. 064/1	.08 S	TATE PRO	JECT 25	067
LOC	ATION CORNISH TOLL BRI	DGE RO	DAD & CONNE	CTICUT	RIVER				
	GENERAL NOTES AND QUANTITIES BRIDGE SHEET								
	REVISIONS AFTER PROPOSAL			В	Y DATE		BY	DATE	OF
			DESIGNED	RJF	2/19	CHECKED	RJF	4/20	FILE NUMBER
			DRAWN	PRP	2/19	CHECKED	RJF	4/20	
		QUANTITIES CHECKED							
			ISSUE DATE	ISSUE DATE FEDERAL PROJECT NO. SHEET NO.					TOTAL SHEETS
			REV. DATE					5	9







SCALE IN FEET



SHEET SCALE

RJF 2/19

SHEET NO.

6

TOTAL SHEETS

q

PRP 2/19 CHECKED

FEDERAL PROJECT NO.

A0003(035)

CHECKED

DRAWN

**QUANTITIES** 

ISSUE DATE

REV. DATE





# PLAN LEGEND:

D-D - PIER SECTION

PROPOSED PARTIALLY GROUTED RIPRAP (ITEM 583.0505)



PROPOSED CLASS A & B STONE FILL (ITEM 585.1 & 585.2)



PROPOSED CLASS B STONE FILL (ITEM 585.2)



SHEET SCALE

	STATE OF NEW HAMPSHIRE									
	DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOW	N CORNISH, N.H., WINDS	SOR, VI	-	BRIDGE	NO. 064/1	108 ST	ATE PRO	JECT 250	067	
LOC	ATION CORNISH TOLL BRI	DGE RC	AD & CONNE	CTICUT	RIVER					
	COUNTERMEASURE DETAILS BRIDGE SHEET							BRIDGE SHEET		
	REVISIONS AFTER PROPOSAL			В	Y DATE		BY	DATE	OF	
			DESIGNED	SMC	2/19	CHECKED	RJF	7/20	FILE NUMBER	
			DRAWN	LAR	2/19	CHECKED	RJF	7/20		
		QUANTITIES CHECKED								
			ISSUE DATE	ISSUE DATE FEDERAL PROJECT NO. SHEET NO.					TOTAL SHEETS	
			REV. DATE		A0003(035) 7 9					





PHASE	Ø1	Ф2	Ф3	Φ4	Ø5	Ф6	Φ7	Φ8
INITIAL	10	10		10				
PASSAGE	5	5		5				
MAX. 1	25	25		25				
MAX. 2								
YELLOW	4	4		4				
RED	14	14		2				
RECALL	SOFT	OFF		OFF				
WALK/DON'T WALK								
FLASH MODE	R	R		R				
				•	•		•	•



ITROL PLAN LEGEND
PERIMETER CONTROL
SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
NATURAL BUFFER/PERIMETER CONTROL
SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
CHANNEL PROTECTION
STONE CHECK DAMS STRAW WATTLES CHANNEL MATTING CLASS D EROSION STONE CLASS C STONE
<ul> <li>CLEAN WATER BYPASS</li> <li>PUMP THROUGH PIPE</li> <li>DRAIN THROUGH PIPE OR CHANNEL</li> </ul>