

- DRAINAGE AREA 4**
LOCATED ADJACENT AND SOUTH OF THE MCCONNELL ROAD INTERSECTION WITH US ROUTE 7 AND DISCHARGES TO A CLASS 3/CLASS 2 WETLAND #10 (PSS1Y) AT STA 17+182 LT. THE TOTAL DISTURBANCE IS 3.55 AC., THE AREA OF PAVED DETOUR IS 1.06 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 2.49 AC. RUNOFF GENERALLY FLOWS FROM HILLS EAST OF US ROUTE 7 TO A CLOSED SYSTEM AND OUTLETS INTO A CLASS 3 WETLAND THAT IS ADJACENT TO A CLASS 2 WETLAND. THE TOTAL AREA OF DRAINAGE AREA 4 IS 110.6 AC.
- DRAINAGE AREA 5**
LOCATED NORTH OF MCCONNELL ROAD AND DISCHARGES INTO A CLASS 3 WETLAND #19 (PFO) AT STA 17+815 RT. THE TOTAL DISTURBANCE IS 1.59 AC., THE AREA OF PAVED DETOUR IS 0.53 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 1.06 AC. RUNOFF GENERALLY FLOWS FROM HILLS WEST OF US ROUTE 7 TO CHANNELS AND A PIPE CONVEYING THE RUNOFF UNDER US ROUTE 7 TO A CLASS 3 WETLAND. THE TOTAL AREA OF DRAINAGE AREA 5 IS 2.4 AC.
- DRAINAGE AREA 6**
LOCATED NORTH OF MCCONNELL ROAD AND SOUTH OF JONES MILL POND AND DISCHARGING INTO A CLASS 2 WETLAND #11 (PEMB) AT STA 18+048 RT AND STA 18+127 RT. THE TOTAL DISTURBANCE IS 3.64 AC., THE AREA OF PAVED DETOUR IS 1.10 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 2.54 AC. RUNOFF GENERALLY FLOWS FROM HILLS WEST OF US ROUTE 7 TO CHANNELS OR A CLOSED SYSTEM CONVEYING RUNOFF TO A CLASS 2 WETLAND. THE TOTAL AREA OF DRAINAGE AREA 6 IS 48.9 AC.
- DRAINAGE AREA 7**
LOCATED AT JONES MILL POND AND DISCHARGES INTO THE POND OR ADJACENT CLASS 2 WETLAND #12 (PSSI/EMY) AT STA 18+591 RT, STA 18+690 RT AND STA 18+813 RT. THE TOTAL DISTURBANCE IS 3.27 AC., THE AREA OF PAVED DETOUR IS 1.08 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 2.19 AC. RUNOFF GENERALLY FLOWS FROM HILLS WEST OF US ROUTE 7 TO A CLOSED SYSTEM OR CHANNELS CONVEYING RUNOFF TO JONES MILL POND. THE TOTAL AREA OF DRAINAGE AREA 7 IS 37.5 AC.
- DRAINAGE AREA 8**
DRAINAGE AREA 8 IS LOCATED BETWEEN THE NORTH END OF JONES MILL POND AND COUNTRY CLUB ROAD. WORK IN THIS AREA CONSISTS OF COLD PLANING AND OVERLAYING THE EXISTING ROAD, SO THE AREA OF DISTURBANCE FOR DRAINAGE AREA 8 IS 0.0 AC. NO MODIFICATIONS TO THE DRAINAGE SYSTEM WILL BE MADE.
- DRAINAGE AREA 9**
LOCATED NORTH OF THE COUNTRY CLUB ROAD INTERSECTION WITH US ROUTE 7 AND DISCHARGES TO AN UNNAMED STREAM AT STA 19+595 LT AND STA 19+711 LT. THE TOTAL DISTURBANCE IS 3.75 AC., THE AREA OF PAVED DETOUR IS 0.84 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 2.91 AC. RUNOFF GENERALLY FLOWS FROM FIELDS EAST OF US ROUTE 7 TO A CLOSED SYSTEM AND OUTLETS INTO THE UNNAMED STREAM, PARTS OF WHICH ARE IDENTIFIED AS CLASS 2 WETLAND #15 (PFO4/1C). THE TOTAL AREA OF DRAINAGE AREA 9 IS 6.3 AC.
- DRAINAGE AREA 10**
LOCATED NORTH OF THE COUNTRY CLUB DRIVE INTERSECTION WITH US ROUTE 7 AND DISCHARGES TO AN UNNAMED POND/CLASS 2 WETLAND #14 (POW2) AT STA 19+733 RT. THE TOTAL DISTURBANCE IS 2.32 AC., THE AREA OF PAVED DETOUR IS 0.66 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 1.66 AC. RUNOFF GENERALLY FLOWS FROM HILLS EAST OF US ROUTE 7 TO AN UNNAMED POND WITH DAM (WETLAND #14), WHICH OVERFLOWS TO A CULVERT UNDER US ROUTE 7 OUTLETTING INTO A CLASS 2 WETLAND. THE TOTAL AREA OF DRAINAGE AREA 10 IS 518.0 AC.
- DRAINAGE AREA 11**
LOCATED ADJACENT TO THE NICKERSON ROAD INTERSECTION WITH US ROUTE 7 AND DISCHARGES TO AN UNNAMED STREAM AT STA 20+075 LT. THE TOTAL DISTURBANCE IS 4.66 AC., THE AREA OF PAVED DETOUR IS 0.91 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 3.75 AC. RUNOFF GENERALLY FLOWS FROM THE HILLS EAST AND WEST OF US ROUTE 7 TO CHANNELS AND A CLOSED SYSTEM THAT WILL OUTLET INTO A STONE LINED CHANNEL, CONTINUING TO AN UNNAMED STREAM. THE TOTAL AREA OF DRAINAGE AREA 11 IS 27.8 AC.
- DRAINAGE AREA 12**
LOCATED NORTH OF THE NICKERSON ROAD INTERSECTION WITH US ROUTE 7 AND EXTENDS TO THE END OF THE PROJECT. THE TOTAL DISTURBANCE IS 1.73 AC., THE AREA OF PAVED DETOUR IS 0.54 AC. AND THE ASSOCIATED AREA OF DISTURBANCE IS 1.19 AC. RUNOFF IS COLLECTED IN A CLOSED DRAINAGE SYSTEM, DISCHARGES TO AN OUTFALL CHANNEL (APPROXIMATELY 130 FEET LONG) ACROSS FROM HIGH STREET AND TRAVELS APPROXIMATELY 340 FEET VIA A WOODS GULLY TO AN UNNAMED STREAM. THE TOTAL AREA OF DRAINAGE AREA 12 IS 6.9 AC.

6. WASTE, BORROW AND STAGING AREAS

- OFF-SITE WASTE AREAS HAVE NOT BEEN IDENTIFIED FOR THIS PROJECT. LARGE QUANTITIES OF WASTE ON THE ORDER OF 125,000 CUBIC METERS ARE EXPECTED AS THIS PROJECT HAS SUBSTANTIALLY MORE EXCAVATION THAN EMBANKMENT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PERMIT, AS NECESSARY, ANY OFF-SITE WASTE AREAS THAT WILL BE NEEDED. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES NECESSARY FOR WASTE AND STAGING AREAS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR PER 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

	DRAINAGE AREA	TOTAL DISTURB. (ACRES)	PAVED DETOUR (ACRES)	DISTURB (ACRES)	BEGIN - END STATION	CROSS OVER	LIMIT OF CONCURR. DISTURB.	DISCHARGE POINT STATION	RECEIVING WATER
SEQUENCE 1	1	2.09	0.46	1.63	16+460 - 16+680	BEGIN PROJ - 1		16+495 LT	UNNAMED CLASS 2 WETLAND
	2A	1.20	0.33	0.87	16+680 - 16+840		4.92 ACRES	16+800 LT	UNNAMED STREAM
	2B	0.07	0.00	0.07	16+840 - 16+875			16+800 LT	UNNAMED STREAM
	3	2.47	0.48	1.99	16+875 - 17+105	1 - 2		16+906 LT 17+008 LT	CLASS 2 WETLAND #9, PFO1C
SEQUENCE 2	4A	0.51	0.15	0.36	17+105 - 17+175			17+182 LT	CLASS 2 WETLAND #10, PSSIY
	4B	2.14	0.64	1.50	17+175 - 17+485	2 - 3		17+182 LT	CLASS 2 WETLAND #10, PSSIY
	4C	0.90	0.27	0.63	17+485 - 17+615		4.95 ACRES	17+182 LT	CLASS 2 WETLAND #10, PSSIY
	5	1.59	0.53	1.06	17+615 - 17+870	3 - 4		17+815 RT	CLASS 3 WETLAND #19, PFO
SEQUENCE 3	6A	2.58	0.82	1.76	17+870 - 18+265			18+048 RT 18+127 RT	CLASS 2 WETLAND #11, PEMB
	6B	1.06	0.28	0.78	18+265 - 18+400		2.97 ACRES	18+048 RT 18+127 RT	CLASS 2 WETLAND #11, PEMB
	7A	0.97	0.31	0.66	18+400 - 18+547.5	4 - 5		18+591 RT 18+690 RT 18+813 RT	JONES MILL POND & CLASS 2 WETLAND #12, PSSI/EMY
SEQUENCE 4	7B	2.30	0.77	1.53	18+547 - 18+920	5 - 6		18+591 RT 18+690 RT 18+813 RT	JONES MILL POND & CLASS 2 WETLAND #12, PSSI/EMY
	8	0.00	0.00	0.00	18+920 - 19+195			18+940 LT	UNNAMED STREAM
	9	3.75	0.84	2.91	19+195 - 19+800	5 - 6	4.57 ACRES	19+595 LT 19+711 LT	UNNAMED STREAM
SEQUENCE 5	10	2.32	0.66	1.66	19+670 - 20+120			19+733 RT	UNNAMED POND/CLASS 2 WETLAND #14, POW2
	11A	4.07	0.80	3.27	20+120 - 20+505	5 - 6		20+075 LT	UNNAMED STREAM
	11B	0.59	0.11	0.48	20+505 - 20+560		4.94 ACRES	20+075 LT	UNNAMED STREAM
	12	1.73	0.54	1.19	20+560 - 20+778	6 - END PROJ		20+880 LT	UNNAMED STREAM TO NESHOBE RIVER

- LOCATE ADDITIONAL AREAS FOR DISPOSAL OF STUMPS, EXCESS SOILS AND COLLECTED SEDIMENT, IF NECESSARY. DISPOSE OF THESE MATERIALS IN A MANNER THAT WILL NOT RESULT IN SEDIMENTS ENTERING WATERS OF THE STATE.
- DISPOSAL SITES REQUIRE RELATIVELY LEVEL TERRAIN WITH AN ISOLATION DISTANCE OF AT LEAST 30 METERS FROM ANY SURFACE WATERS, INCLUDING WETLANDS.
- VEHICLE AND EQUIPMENT STORAGE AREAS OR AREAS ADJACENT TO CONSTRUCTION TRAILERS OR OTHER HIGH TRAFFIC AREAS SHALL BE COVERED WITH GEOTEXTILE FABRIC AND 300 MM OF GRAVEL. FOLLOWING COMPLETION OF CONSTRUCTION, ALL NON-NATIVE MATERIALS SHALL BE REMOVED FROM THE STAGING AREA. COMPACTED, RUTTED, OR OTHERWISE DISTURBED SOILS SHALL BE TILLED, RAKED, SEEDED AND MULCHED.
- ERODIBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH SILT FENCE OR OTHER ACCEPTABLE SEDIMENT BARRIER. SOIL STOCKPILED ON THE SITE SHALL BE SEEDED AND MULCHED.
- STABILIZED CONSTRUCTION ENTRANCES WILL BE MAINTAINED TO CONTROL VEHICLE TRACKING OFFSITE.

7. WINTER CONSTRUCTION REQUIREMENTS

IT IS EXPECTED THAT CONSTRUCTION ACTIVITIES WILL CONTINUE INTO THE WINTER CONSTRUCTION SEASON, CONDITIONAL UPON ACTUAL FIELD AND WEATHER CONDITIONS. IF ACTIVITIES ARE ON-GOING BETWEEN OCTOBER 15 AND APRIL 15, THE CONTRACTOR SHALL FOLLOW REQUIREMENTS FOR WINTER CONSTRUCTION, AS DEFINED IN SPECIFIC PERMIT CONDITIONS AND AS FOLLOWS:

- ENLARGED ACCESS POINTS STABILIZED TO PROVIDE FOR SNOW STOCKPILING.

- LIMITS OF DISTURBANCE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK.
- DEVELOPMENT OF A SNOW MANAGEMENT PLAN THAT INCLUDES:
 - ADEQUATE STORAGE AND CONTROL OF MELT-WATER.
 - STORAGE OF CLEARED SNOW TO BE PLACED DOWN SLOPE OF DISTURBED AREAS AND OUT OF STORMWATER TREATMENT STRUCTURES.
- A MINIMUM 7.5 METER (25-FOOT) BUFFER SHALL BE MAINTAINED FROM PERIMETER CONTROLS.
- DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
- SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED AHEAD OF FROZEN GROUND.
- MULCH TO BE APPLIED AT TWICE THE REGULAR RATE, AS SOWN ON THE EPSC DETAILS, UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.
- AREAS OF DISTURBED SOILS MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS:
 - IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME AREA WITHIN 24 HOURS.
 - DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, MUST BE STABILIZED AT THE END OF EACH WORK WEEK.
- PRIOR TO STABILIZATION, SNOW OR ICE MUST BE REMOVED TO LESS THAN 25 mm (1") THICKNESS.

CONTRACTOR RESPONSIBILITIES, LIMITATIONS & PROHIBITIONS

1. GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AMEND/UPDATE ALL PLANS AND EXISTING PERMITS WHEN ADDING DETAILED CONSTRUCTION PHASING OR MODIFYING ANYTHING THAT MAY DEVIATE FROM THE APPROVED PLANS, AS DIRECTED BY THE RESIDENT ENGINEER.
- OTHER THAN THOSE SHOWN ON THE PLANS, ALL LAND DISTURBANCES WITHIN 15 METERS OF ALL WATER BODIES, MEASURED FROM THE TOP OF BANK, AND WETLANDS ARE PROHIBITED WITHOUT FURTHER REGULATORY REVIEW.
- CONTRACTOR TO MAINTAIN ALL EXISTING STREAMS AND RIPARIAN BUFFER ZONES IN THEIR NATURAL CONDITION.
- OFF-SITE DISCHARGES OF ANY MATERIAL, OTHER THAN STORMWATER, SUCH AS VEHICLE AND EQUIPMENT MAINTENANCE SPILLS, FUEL, WASH WATER, CONSTRUCTION DEBRIS, OIL, WET CONCRETE (INCLUDING WASHOUT WATER FROM CONCRETE BATCH TRUCKS OR EQUIPMENT USED TO MIX CONCRETE) AND OTHER SUBSTANCES ARE PROHIBITED.
- THE FAILURE TO PROMPTLY ABATE THE DISCHARGE OF SEDIMENT OR ANY OTHER WASTE WHICH CAUSES A VISIBLE DISCOLORATION OF SURFACE WATERS (INCLUDING WETLANDS), OR IS FOUND TO BE IN VIOLATION OF WATER QUALITY STANDARDS BASED ON MONITORING IS PROHIBITED. ANY CORRECTIVE ACTION UNDERTAKEN TO REMOVE SEDIMENT FROM A WETLAND IS ALSO PROHIBITED.
- WEATHER CONDITIONS WILL BE MONITORED DURING THE CONSTRUCTION SEASON. IF AN EXTENDED RAIN PERIOD, HEAVY RAIN, OR SNOWMELT EVENT IS PREDICTED, EXPOSED SOIL AREAS WILL BE MULCHED PRIOR TO AND DAILY DURING THE RAIN EVENT. IF DETERMINED NECESSARY BY THE RESIDENT ENGINEER, WORK MAY BE SUSPENDED OR LIMITED DURING THE STORM.

- ALL MANAGEMENT PRACTICES WILL BE CHECKED AND REPAIRED AS NECESSARY TO ENSURE PROPER OPERATING CONDITIONS.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED.

2. EPSC PLAN

THE CONTRACTOR SHALL SUBMIT AN EPSC PLAN IN ACCORDANCE WITH ITEM 652.10 - EPSC PLAN AND PROJECT PERMITS. THE PLAN AT A MINIMUM SHALL TAKE INTO CONSIDERATION THE FOLLOWING:

THE EPSC PLAN SHALL INCLUDE INFORMATION REGARDING:

- THE CONSTRUCTION STONE PADS AND CHECK DAMS,
- CONSTRUCTION OF TEMPORARY TRAFFIC CONTROL PLAN,
- STABILIZATION OF OPERATIONAL STORMWATER TREATMENT PRACTICES PRIOR TO DIRECTING RUNOFF TO THEM AND,
- LEDGE REMOVAL.

EROSION CONTROL
GENERAL NOTES SHEET 2

PROJECT NAME:	BRANDON
PROJECT NUMBER:	NH 019-3(495)
FILE NAME:	zb008s5-ecnotes 2.dgn
PROJECT LEADER:	CRB
DESIGNED BY:	NLL
CLD 02-0149	
PLOT DATE:	9/3/2009
DRAWN BY:	NLL
CHECKED BY:	PTS
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