

- **DRAINAGE AREA 7**  
DRAINAGE AREA IS FROM STATION 121+21 TO 133+98. RUNOFF GENERALLY FLOWS FROM THE CENTER LINE OF U.S. ROUTE 7 WEST TO THORP BROOK. THE TOTAL AREA OF DRAINAGE AREA 7 IS 88.0 Ac.
- **DRAINAGE AREA 8**  
DRAINAGE AREA IS FROM STATION 133+98 TO 146+75. RUNOFF GENERALLY FLOWS FROM THE CENTER LINE OF U.S. ROUTE 7 WEST TO THORP BROOK. THE TOTAL AREA OF DRAINAGE AREA 8 IS 139.0 Ac.
- **DRAINAGE AREA 9**  
DRAINAGE AREA IS FROM STATION 133+98 TO 100 FEET NORTH OF THE PROJECT. RUNOFF GENERALLY FLOWS FROM THE HILLS EAST AND WEST OF U.S. ROUTE 7 TO WETLAND #10 CLASS II, UNNAMED TRIBUTARY (CULVERT RUNS UNDER U.S. ROUTE 7) AT STATION 149+10, WETLAND #9 CLASS II AND EVENTUALLY THORP BROOK. THE TOTAL AREA OF DRAINAGE AREA 9 IS 148 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 55,000 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 WILL BE PAID FOR PER 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 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 100 FEET 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.
- REMOVAL OF SNOW OR ICE TO LESS THAN ONE INCH PRIOR TO STABILIZATION.
- 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 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.

DRAINAGE AREA	TOTAL DISTURB. (ACRES)	BEGIN - END STATION	DISCHARGE POINT STATION	RECEIVING WATER
1	4.61	1200' SOUTH OF PROJECT - 28+30	12+70 LT	UNNAMED STREAM WETLAND #1- CLASS II, LEWIS CREEK
2	3.78	28+30 - 43+03	40+43 LT	UNNAMED STREAM WETLAND #4 CLASS II, KIMBALL BROOK
3	3.22	41+68 - 54+96	44+54 LT	WETLAND #5 CLASS II, KIMBALL BROOK
4A	2.03	54+96 - 71+64	NA	WETLAND #5 CLASS II, THORP BROOK
4B	4.70	54+96 - 86+93	75+40 LT	UNNAMED TRIBUTARY, THORP BROOK
4C	1.59	80+29 - 86+93	NA	WETLAND #6 CLASS III, THORP BROOK
5	2.57	86+93 - 96+67	93+61 LT	UNNAMED TRIBUTARY, WETLAND #7 CLASS II, THORP BROOK
6	8.03	96+67 - 133+98	104+85 LT & 118+88 LT	UNNAMED STREAM, WETLAND #8 CLASS II, UNNAMED TRIBUTARY, THORP BROOK
7	1.84	121+21 - 133+98	NA	THORP BROOK
8	2.14	133+98 - 146+75	NA	THORP BROOK
9	7.14	133+98 - 100' NORTH OF PROJECT	149+10 LT	WETLAND #10 CLASS II, UNNAMED TRIBUTARY, WETLAND #9 CLASS II, THORP BROOK

- 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 ONE INCH 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.
- THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SEQUENCE TO CONSTRUCTIONS ENVIRONMENTAL SECTION FOR APPROVAL THROUGH THE RESIDENT ENGINEER BEFORE TEMPORARY DETOURS ARE CONSTRUCTED.
- OTHER THAN THOSE SHOWN ON THE PLANS, ALL LAND DISTURBANCES WITHIN 50 FEET 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.
- THE CONTRACTOR SHALL CONDUCT INSPECTIONS AND MONITORING IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND PERMIT SPECIFIC REQUIREMENTS. THE CONTRACTOR SHALL KEEP A TURBIDITY MONITOR ONSITE WITH TRAINED PERSONNEL ON HAND TO OPERATE THE DEVICE.

- 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.

- DEWATERING: THE PERMIT WILL REQUIRE A DEWATERING PLAN TO BE APPROVED BY DEC PRIOR TO DEWATERING ACTIVITIES.

- SILT FENCE LOCATIONS SHOWN ON THE FOLLOWING PLAN SHEETS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE SILT FENCE IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE VERMONT GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES. THE RESIDENT ENGINEER AND ONSITE COORDINATOR SHALL APPROVE ALL SILT FENCE LOCATIONS PRIOR TO PLACEMENT.

- FOR EROSION CONTROL DETAILS SEE EROSION CONTROL DETAIL SHEETS.

#### 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:
  - CONSTRUCTION OF TEMPORARY TRAFFIC CONTROL PLAN.
  - ALL DEWATERING.

SILT FENCE LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHOWN ON SHEETS 138-157. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE SILT FENCE IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE VERMONT GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES. THE RESIDENT ENGINEER AND ONSITE COORDINATOR SHALL APPROVE ALL SILT FENCE LOCATIONS PRIOR TO PLACEMENT.

PROJECT NAME: CHARLOTTE	
PROJECT NUMBER: F EGC 019-4(20)	
FILE NAME: d78d062_frm.dgn	PLOT DATE: 15-MAR-2016
PROJECT LEADER: K. UPMAL	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: C. LEACH
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