

900.635 EROSION CONTROL/RESTORATION MIX (EC)			247 LBS.
PERCENT BY NUMBER OF SEEDS	SCIENTIFIC NAME	COMMON NAME	RATE PER ACRE
1.0%	AGROSTIS PERENNANS	UPLAND BENTGRASS	35 LBS.
1.0%	AGROSTIS STOLONIFERA	CREEPING BENTGRASS	
8.0%	ANDROPOGON GERARDII	BIG BLUESTEM, NIAGRA	
1.0%	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	
8.0%	CAREX VULPINOIDEA	FOX SEDGE	
28.0%	ELYMUS VIRGINICUS	VIRGINIA WILD-RYE	
1.0%	EUPATORIUM PERFOLIATUM	BONESET	
1.0%	EUTHAMIA GRAMINIFOLIA	GRASS LEAVED GOLDENROD	
24.0%	FESTUCA RUBRA	CREEPING RED FESCUE	
0.5%	JUNCUS EFFUSUS	SOFT RUSH	
1.0%	ONOCLEA SENSIBILIS	SENSITIVE FERN	
8.0%	PANICUM VIRGATUM	SWITCH GRASS	
15.0%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	
1.0%	SCIRPUS ATROVIRENS	GREEN BULRUSH	
0.5%	SCIRPUS CYPERINUS	WOOL GRASS	
1.0%	VERBENA HASTATA	BLUE VERVAIN	
SOURCE: NEW ENGLAND WETLAND PLANTS, INC. 800 MAIN STREET AMHERST, MA 01002			

NOTE:

1. TO BE MULCHED WITH WEED-FREE STRAW AT 2 TONS/AC. THIS APPLIES TO AREAS WHERE EC IS PLANTED ALONE AND WHERE PLANTED WITH WILD RICE (ZA) IF ABOVE WATER.
2. ADD LOLIUM MULTIFLORUM (WINTER RYE) TO MIX AT RATE OF 10%/AC.
3. NO FERTILIZER OR LIME IS REQUIRED.
4. SEEDING TO OCCUR WITHIN 48 HOURS OF COMPLETION OF GRADING, BETWEEN MAY 1 AND SEPTEMBER 15 OR BETWEEN OCTOBER 15 AND NOVEMBER 15, OR AS DIRECTED BY THE RESIDENT ENGINEER. IF COMPLETION OF CONSTRUCTION OCCURS BETWEEN OCTOBER 15 AND NOVEMBER 15, AREA TO BE STABILIZED WITHIN 48 HOURS OF COMPLETION OF GRADING WITH WINTER RYE (LOLIUM MULTIFLORUM) AT A RATE OF 40 LB PER ACRE, AND MULCHED WITH WEED FREE STRAW AT A RATE OF TWO TONS PER ACRE. EROSION CONTROL/RESTORATION MIX THEN TO BE OVER-SEEDED DURING THE OCTOBER 15 TO NOVEMBER 15 WINDOW.

651.15 RURAL CONSERVATION MIX (RC)			132 LBS.
SCIENTIFIC NAME	COMMON NAME	PERCENT BY NUMBER OF WEIGHT	RATE PER ACRE
FESTUCA RUBRA	CREEPING RED FESCUE	40%	24 LBS.
FESTUCA ARUNDINACEA	TALL FESCUE	40%	24 LBS.
AGROSTIS ALBA	RED TOP	5%	3 LBS.
LOTUS CORNICULATUS	BIRDSFOOT TREFLOIL	15%	9 LBS.
			60 LBS.
LOLIUM MULTIFLORUM FOR LATE SEASON PLANTING	WINTER RYE	5%	3 LBS.

NOTES:

1. TO BE MULCHED WITH HAY AT 2 TONS / ACRE.
2. TO BE FERTILIZED WITH 5-10-10 AT 500 LBS. / ACRE.
3. AGRICULTURAL LIMESTONE TO BE ADDED AT 2 TONS / ACRE.
4. SEEDING TO BE ACCOMPLISHED BETWEEN MAY 15 AND SEPTEMBER 15.
5. SUPPLEMENT WITH LOLIUM MULTIFLORUM IF PLANTED AFTER AUGUST (1)

900.635 WILD RICE (ZA)			6 LBS.
SCIENTIFIC NAME	COMMON NAME	RATE PER ACRE	
ZIZANIA AQUATICA	WILD RICE	20 LBS.	

NOTES

1. NO FERTILIZER, LIME OR MULCH IS TO BE APPLIED WHERE WILD RICE IS PLANTED ALONE.
2. SEED IMMEDIATELY AFTER ICE-OUT OF SPRING FOLLOWING CONSTRUCTION.

651.17 WINTER RYE (LM)			78 LBS.
SCIENTIFIC NAME	COMMON NAME	RATE PER ACRE	
LOLIUM MULTIFLORUM	WINTER RYE	10 LBS. / WITH EC	
		3 LBS. / WITH RC	

RURAL CONSERVATION MIX (RC)
RURAL CONSERVATION MIX TO BE PLANTED ON ENTIRE SURFACE OF EACH FILL DISPOSAL AREA FOLLOWING TOPSOIL ALTERNATE APPLICATION AT END OF CONSTRUCTION. SEED TO BE PLANTED WITHIN 48 HOURS OF COMPLETION OF TOPSOIL SPREADING, AND BETWEEN MAY 15 AND SEPTEMBER 15, OR AS DIRECTED BY THE RESIDENT ENGINEER. SOIL SURFACE TO BE RAKED IMMEDIATELY PRIOR TO SEEDING TO CREATE GROOVES FOR SEED LODGEMENT. 5-10-10 FERTILIZER TO BE APPLIED AT A RATE OF FIVE HUNDRED (500) POUNDS PER ACRE. AGRICULTURAL LIMESTONE TO BE APPLIED AT A RATE OF TWO (2) TONS PER ACRE. IF PLANTED AFTER AUGUST 1, WINTER RYE (LOLIUM MULTIFLORUM) TO BE ADDED TO THE MIX AT A RATE OF THREE (3) POUNDS PER ACRE. SEEDING TO BE MULCHED IMMEDIATELY WITH HAY AT A RATE OF TWO (2) TONS PER ACRE.

RURAL CONSERVATION MIX (RC) TO BE PAID UNDER ITEM 651.15.

WINTER RYE (LM)
WINTER RYE TO BE PLANTED WITH RURAL CONSERVATION MIX AT A RATE OF THREE (3) POUNDS PER ACRE AND WITH EROSION CONTROL MIX (EC) AT A RATE OF TEN (10) POUNDS PER ACRE.

WINTER RYE TO BE PLANTED ON AREA OF ELEVATION 660.1' TO 662.5' IN ACCORDANCE WITH NOTE 4 UNDER EROSION CONTROL/RESTORATION MIX, IF REQUIRED.

WINTER RYE TO BE PAID UNDER ITEM 651.17

LANDSCAPE NOTES

1. TREES AND SHRUBS ARE TO BE PLANTED BETWEEN SEPTEMBER 1 AND SEPTEMBER 15 OR BETWEEN MAY 15 AND JUNE 15, OR AS DIRECTED BY THE RESIDENT ENGINEER. PLASTIC RODENT GUARDS, SUCH AS SPIRAL PLASTIC TREE GUARDS AVAILABLE FROM QESCO INC. OR EQUIVALENT, SHALL BE INSTALLED ON EACH TREE. TREE GUARDS SHALL BE INCIDENTAL TO ITEM 656.30.
2. PLANTING BEDS FOR EACH SHRUB CLUSTER SHALL BE COVERED IN THEIR ENTIRETIES WITH WEED SEPARATOR LANDSCAPE FABRIC (SEE ITEM 900.675 SPECIAL PROVISION (LANDSCAPE FABRIC)). INDIVIDUAL SHRUBS TO BE INSERTED INTO PLANTING BEDS THROUGH SLITS IN FABRIC. SHRUBS IN EACH CLUSTER TO BE PLACED IN A RANDOMIZED, NATURAL-LOOKING PATTERN, WITH OVERALL SPACING OF APPROXIMATELY 6' ON CENTER.
3. WILLOW FASCINES (SS) TO BE PLANTED WITHIN DORMANCY PERIOD OF NOVEMBER 15 THROUGH MARCH 15.
4. SEEDING FORMULA AND TOPSOIL SHALL BE USED AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL VERIFY ALL PLANTING LOCATIONS AND QUANTITIES WITH THE ENGINEER PRIOR TO ORDERING THE PLANTING MATERIALS. ADJUSTMENTS TO THE PLANTING DESIGN AND LAYOUT MAY BE REQUIRED. QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE SUBJECT TO CHANGE.
6. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING VEGETATION OUTSIDE OF LIMITS OF CONSTRUCTION DURING CONSTRUCTION.

PROJECT NAME: CABOT-DANVILLE	
PROJECT NUMBER: FECC F 028-3(26)	
FILE NAME: xd079det.dgn	PLOT DATE: 10/25/2010
PROJECT LEADER: C.W. BRODIE	DRAWN BY: E.B. SMALL
DESIGNED BY: C.W. BRODIE	CHECKED BY: J.K. BENSON
DETAIL & NOTES SHEET	SHEET 215 OF 250