

PROJECT NARRATIVE

PROJECT DESCRIPTION:

THIS PROJECT IS LOCATED A FEW HUNDRED FEET NORTHWEST OF THE VT ROUTE 63 AND VT ROUTE 14 INTERSECTION IN THE TOWN OF BARRE. WORK PERFORMED INCLUDES THE CONSTRUCTION OF SIX (6) LIGHT POLES WITH BASES AND FIXTURES, NEW PAVEMENT MARKINGS AND SIGNAGE WITHIN THE EXISTING PAVED PARK AND RIDE FACILITY. WORK INCLUDES INSTALLATION OF LIGHTING EQUIPMENT WITH ASSOCIATED ELECTRICAL AND MISCELLANEOUS APPURTENANCES, INSTALLATION OF NEW SIGNS AND PAVEMENT MARKINGS. APPROXIMATELY 0.6 ACRES WILL BE DISTURBED DURING THIS CONSTRUCTION.

SITE INVENTORY AND SITE ANALYSIS:

VTRANS CURRENTLY OWNS THE SITE. ONE (1) STREAM, STEPHEN'S BRANCH, IS LOCATED TO THE WEST OF THIS FACILITY AND WILL BE UNDISTURBED DURING AND AFTER CONSTRUCTION. THIS SITE IS MAPPED AS ADAMS SAND AND SUNNY LOAM. IT HAS BEEN STRIPPED OF TOPSOIL SOMETIME IN THE PAST, AND THEREFORE IS UNLIKELY TO BE USED FOR AGRICULTURAL PRACTICES IN THE FUTURE. THE TOPOGRAPHY CONSISTS OF 0-8% SLOPES WITH MIXED COVER PRIMARILY CONSISTING OF SMALL SHRUBS AND BRUSH. THE SITE IS PAVED CURRENTLY. GIVEN THE CURRENT USE OF THE SITE, IT DOES NOT SUPPORT SIGNIFICANT WILDLIFE SPECIES AND HAS A LOW HABITAT POTENTIAL FOR THREATENED AND ENDANGERED SPECIES. ACCORDINGLY, THERE WILL BE NO AFFECT TO EITHER DUE TO THE CONSTRUCTION OF THIS PROJECT.

EROSION PREVENTION AND SEDIMENT CONTROL:

SEDIMENT CONTROL MEASURES TO BE UTILIZED ON THIS PROJECT INCLUDE SILT FENCE AND GRAVEL BACKFILL.

SNOW FENCE (MOD.-PDF)

FENCING WILL BE USED TO DEMARCAT CONSTRUCTION LIMITS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. FENCING SHALL BE PAID FOR UNDER ITEM 620.70: SNOW FENCE (MOD.-PDF)

SILT FENCE

SILT FENCE WILL BE INSTALLED TO PREVENT SEDIMENT FROM DISCHARGING TO THE ADJACENT STREAM. SILT FENCE IS TO BE CONSTRUCTED AS SHOWN ON THE CONTRACT PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER, WITH PROPER EMBEDMENT AND ANCHORING. THE ENDS OF THE SILT FENCE SHALL BE "CURLED" UPHILL TO PROMOTE PONDING AND SETTLING OF SEDIMENT.

GRAVEL BACKFILL AND EROSION MATTING:

GRAVEL BACKFILL FOR SLOPE STABILIZATION AND EROSION MATTING SHALL BE USED TO MAINTAIN SLOPE STABILITY DURING CONSTRUCTION AS DIRECTED BY RESIDENT ENGINEER.

TEMPORARY SEED AND MULCH:

TEMPORARY SEEDING AND MULCH OR MATTING SHALL BE USED TO TEMPORARILY STABILIZE AREAS THAT WILL BE EXPOSED FOR MORE THAN ONE WEEK.

DESIGN CALCULATIONS:

NO DESIGN CALCULATIONS FOR TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WERE REQUIRED.

SEEDING FORMULA - RURAL AREAS

% WT.	LBS./AC.		NAME	GERM %
	BROADCAST	HYDROSEED		
37.6	75.2	94.0	CREEPING RED FESCUE/DEN	90
28.4	56.8	71.0	SPARTAN HARD FESCUE	85
14.4	28.8	36.0	AZAY SHEEPS FESCUE	87
14.2	28.4	35.5	ANNUAL RYEGRASS	90
1.0	2.0	2.5	CROP	
4.3	8.6	10.8	INERT	
0.1	0.2	0.2	WEED	
	200.0	250.0		

SEEDING NOTES

1. SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
2. SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER. HYDROSEED MAY BE USED BUT NOTE THAT QUANTITIES WERE CALCULATED USING BROADCAST APPLICATION RATE.
3. FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
4. AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

1. ALL PLANTS SHALL BE CAREFULLY AND THOROUGHLY WATERED DURING PLANTING AND AS OFTEN AS NECESSARY THEREAFTER TO PROVIDE THE BEST GROWING CONDITIONS UNTIL ACCEPTANCE OF THE WORK.
2. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING (2" HEIGHT), TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING, AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS AT THE EXPENSE OF THE CONTRACTOR.

SO BARRE N 610162.1097 E 1637191.1810 ELEV. 746.0615

SOUTH BARRE, VT TO REACH FROM THE JUNCTION OF VERMONT ROUTE 63 AND VERMONT ROUTE 14 IN SOUTH BARRE PROCEED WESTERLY ALONG ROUTE 63 FOR 0.25 MI TO THE MARK ON THE RIGHT. TO REACH FROM THE JUNCTION OF VERMONT ROUTE 63 AND MILLER ROAD (EXT) PROCEED EASTERLY ALONG ROUTE 63 FOR 1.75 MI TO THE MARK ON THE LEFT. THE MARK IS A 4 INCH SQUARE RIGHT OF WAY MONUMENT WITH A SURVEY DISK IN THE TOP AND IS LOCATED 0.7 FT BELOW THE ROAD. THE MARK IS LOCATED 119.4 FT EAST OF AN 18 INCH CGMP CULVERT WITH CONCRETE HEADWALL, 74.9 FT NORTHWEST OF A TRAFFIC SIGNAL SIGN, 71.5 FT NORTHEAST OF A DIVIDED HIGHWAY SIGN AND 2.3 FT NORTH OF THE EDGE OF VERMONT ROUTE 63. OWNERSHIP IS STATE OF VERMONT.

SO BARRE AZ MK N 608573.5335 E 1634218.2342 ELEV. 928.8039

SOUTH BARRE, VT TO REACH FROM THE JUNCTION OF VERMONT ROUTE 63 AND VERMONT ROUTE 14 IN SOUTH BARRE PROCEED WESTERLY ALONG ROUTE 63 FOR 0.9 MI TO THE MARK ON THE LEFT. TO REACH FROM THE JUNCTION OF VERMONT ROUTE 63 AND MILLER ROAD (EXT) PROCEED EASTERLY ALONG ROUTE 63 FOR 1.1 MI TO THE MARK ON THE RIGHT. THE MARK IS SET IN A 5 FT WIDE X 3 FT HIGH ROCK OUTCROP. THE MARK IS LOCATED 59 FT SOUTHWEST OF A 2 FOOT SQUARE D1, 31 FT SOUTH OF AND 6 FT HIGHER THAN THE SOUTH EDGE OF VERMONT ROUTE 63.

PROJECT NAME:	BARRE TOWN PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK (24) S
FILE NAME:...	PlotFiles\13 generaldets.pxf PLOT DATE: 4/14/2006
PROJECT LEADER: GAS	DRAWN BY: MBL
DESIGNED BY: SRZ	CHECKED BY: GAS
GENERAL DETAILS	SHEET 13 OF 14