

GENERAL

1. IN ACCORDANCE WITH SUBSECTION 107.12 THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING PAVEMENT, PAVEMENT MARKINGS, GUARDRAIL, FENCING, PIPES, DROP INLETS, CONCRETE SIGN FOUNDATIONS AND HEADWALLS. THE CONTRACTOR, AT NO ADDITIONAL COMPENSATION, SHALL REPAIR ALL EXISTING PAVEMENT, PAVEMENT MARKINGS, GUARDRAIL, FENCING, PIPES, DROP INLETS, CONCRETE SIGN FOUNDATIONS AND HEADWALLS DAMAGED DURING CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE ENGINEER.
2. THE CONTRACTOR SHALL REMOVE, STOCKPILE, AND REINSTALL SIGNS, MILE MARKER POSTS, AND DELINEATORS WHERE REQUIRED WORK MAY CAUSE DAMAGE TO THEM. THIS WORK WILL BE CONSIDERED INCIDENTAL TO ITEM 641.10 TRAFFIC CONTROL.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF BURIED CABLE THROUGH DIG SAFE AND CONTRACT ITEM 204.22 TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B. I) PRIOR TO THE START OF LEDGE REMOVAL OPERATIONS.
4. ALL WORK SHALL BE COMPLETED WITHIN THE EXISTING STATE OF VERMONT RIGHT OF WAY.
5. THE CONTRACTOR SHALL ADEQUATELY MAINTAIN THE EXISTING DITCH LINE TO ENSURE PROPER DRAINAGE DURING CONSTRUCTION ACTIVITIES AND UPON COMPLETION OF THE WORK, AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER.

CLEARING AND GRUBBING

1. ALL VEGETATION SHALL BE REMOVED FROM THE EDGE OF PAVEMENT TO THE TOE OF LEDGE AND FROM THE FINAL CREST OF LEDGE TO THE RIGHT OF WAY BOUNDARY. THIS WORK WILL BE PAID UNDER ITEM 201.11 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
2. ALL VEGETATION AND SOILS SHALL BE REMOVED FROM THE FACE OF THE LEDGE TO THE FINAL CREST OF THE LEDGE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO ITEM 900.630 SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL)
3. ALL VEGETATION, INCLUDING REMOVED LIMBS, FOR ITEM 201.11 AND ITEM 900.630 SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL) SHALL BE CLEARED AND DISPOSED OF IN ACCORDANCE WITH SECTION 201 AND THE CONTRACT DOCUMENTS.
4. INDIVIDUAL TREES THAT ARE DEEMED TO BE AT RISK OF FALLING BY THE ENGINEER, OUTSIDE OF THE CLEARING AREA IDENTIFIED ON THE PLANS, SHALL BE REMOVED. THIS WORK WILL BE CONSIDERED INCIDENTAL TO ITEM 201.11 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN, TO THE SATISFACTION OF THE ENGINEER, A NEAT TREE LINE ALONG THE AREA TO BE CLEARED. THIS WORK WILL BE CONSIDERED INCIDENTAL TO ITEM 201.11 CLEARING AND GRUBBING, INCLUDING TREES AND STUMPS.
6. AN ESTIMATED QUANTITY OF ITEM 651.35 TOPSOIL HAS BEEN ADDED IF THE ENGINEER DEEMS NECESSARY THAT RESHAPING OF THE DITCH REQUIRES ADDITIONAL MATERIAL ONCE THE LEDGE HAS BEEN REMOVED/STABILIZED.
7. AN ESTIMATED QUANTITY OF ITEM 651.25 HAY MULCH HAS BEEN ADDED IF THE ENGINEER DEEMS ITS USE NECESSARY.
8. THE CONTRACTOR MAY GRIND OR TREAT STUMPS WITH THE EXCEPTION OF THOSE DESIGNATED FOR REMOVAL WITHIN THE CLEARING AND GRUBBING AREAS ON THE ROCK FACE. THE CONTRACTOR SHALL ENSURE THAT THE STUMPS WILL NOT GROW BACK. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 201.11.



IF HERBICIDES ARE USED TO TREAT EXISTING STUMPS, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY ADDITIONAL PERMITTING THAT MAY BE REQUIRED FROM OTHER AGENCIES INCLUDING, BUT NOT LIMITED TO, THE DEPARTMENT OF AGRICULTURE, AGENCY OF NATURAL RESOURCES, ETC. WORK SHALL BE CONDUCTED BY A LICENSED APPLICATOR AND PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 201.11.



OVERBURDEN WORK WILL BE PAID UNDER ITEM 203.15 COMMON EXCAVATION. OVERBURDEN MAY NOT BE NECESSARY IN AREAS DUE TO LIMITED ACCESS AND LOCATIONS SHALL BE DETERMINED BY VTRANS GEOLOGIST AND/OR ENGINEER IN THE FIELD. IN LOCATIONS WHERE OVERBURDEN IS DEEMED NOT NECESSARY PER GEOLOGIST AND/OR ENGINEER, STUMPS DO NOT NEED TO BE REMOVED BUT STUMPS WILL BE TREATED SO AS TO NOT GROW BACK.

LEDGE REMOVAL

1. LEDGE REMOVAL SHALL CONSIST OF THE REMOVAL OF LOOSE ROCK FROM THE LEDGE CUT USING THE FOLLOWING CONTRACT ITEMS:
 900.608 SPECIAL PROVISION (REMOVAL OF LEDGE SALVAGE MATERIAL) CY
 900.608 SPECIAL PROVISION (REMOVAL OF LEDGE WASTE MATERIAL) CY
 900.630 SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL) HR
 900.630 SPECIAL PROVISION (MACHINE SCALING) HR
2. LIMITS OF LEDGE REMOVAL INVOLVING HAND SCALING AND MACHINE SCALING INCLUDES THE ENTIRE FACE OF LEDGE AS NEEDED OR AS DETERMINED BY THE ENGINEER OR GEOLOGIST. THE CONTRACTOR SHALL PERFORM ANY ADDITIONAL WORK WITHIN THE PROJECT LIMITS AT THE UNIT PRICES PROVIDED IN THE CONTRACT UNDER THE FOLLOWING ITEMS: 203.16 SOLID ROCK EXCAVATION, 900.630 SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL) AND 900.630 SPECIAL PROVISION (MACHINE SCALING).
3. APPROXIMATE LIMITS OF LEDGE REMOVAL METHODS ARE:
 STATION 174+50-175+34: MACHINE SCALING
 STATION 175+34-177+28: HAND SCALING WITH VEGETATION REMOVAL
 STATION 177+28-178+18: MACHINE SCALING
4. LIMITS OF THE TOE OF LEDGE SHALL BE DETERMINED BY THE ENGINEER, VTRANS GEOLOGIST AND THE CONTRACTOR BEFORE ANY LEDGE WORK BEGINS.
5. A QUANTITY OF LEDGE MATERIAL SHALL BE SALVAGED TO THE STATE OF VERMONT. THE LONGEST DIMENSION OF THE SALVAGED STONE SHALL NOT EXCEED 36" IN LENGTH. ALL SALVAGED MATERIAL SHALL BE DELIVERED TO THE VERMONT AGENCY OF TRANSPORTATION DISTRICT 9 IRASBURG FACILITY. COORDINATION SHALL BE MADE TWO WEEKS IN ADVANCE OF THE INITIAL DELIVERY, AND AS NEEDED, TO IDENTIFY THE LOCATION. COORDINATION SHALL BE MADE THROUGH JOSEPH GEOFFROY, AREA MAINTENANCE SUPERVISOR [TEL.: (802) 754-6436]. LOADING, TRANSPORTING, UNLOADING AND STOCKPILING OF MATERIAL WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.608 SPECIAL PROVISION (REMOVAL OF LEDGE SALVAGE MATERIAL).
6. THE CONTRACTOR SHALL TAKE CARE DURING THE LEDGE REMOVAL TO KEEP LEDGE MATERIAL AND DEBRIS FROM ENTERING THE BLACK RIVER DURING CONSTRUCTION. TEMPORARY TRAFFIC BARRIER SHALL BE PLACED AS IDENTIFIED ON THE PLANS AND TO STOP LEDGE AND DEBRIS FROM ENTERING THE BLACK RIVER, AND WILL BE PAID FOR UNDER ITEM 621.90 TEMPORARY TRAFFIC BARRIER.
7. AN ESTIMATED QUANTITY OF ITEM 203.16 SOLID ROCK EXCAVATION HAS BEEN ADDED IF THE ENGINEER DEEMS ITS USE NECESSARY.

LEDGE STABILIZATION

1. SHOTCRETE AND ROCK NAIL FOR SHOTCRETE LOCATIONS SHALL BE AS IDENTIFIED ON PLANS AND CROSS SECTIONS. ADDITIONAL LOCATIONS SHALL BE DETERMINED BY VTRANS GEOLOGIST AND/OR ENGINEER. ALL SHOTCRETE TO BE USED ON THIS PROJECT WILL CONSIST OF DRY MIX SHOTCRETE. WORK WILL BE PAID UNDER ITEM 900.608 SPECIAL PROVISION (SHOTCRETE) AND 900.640 SPECIAL PROVISION (ROCK NAIL FOR SHOTCRETE).
2. ROCK DOWELING LOCATIONS SHALL BE AS IDENTIFIED ON PLANS AND CROSS SECTIONS. ADDITIONAL LOCATIONS SHALL BE DETERMINED BY VTRANS GEOLOGIST AND/OR ENGINEER. WORK WILL BE PAID UNDER ITEM 900.640 SPECIAL PROVISION (ROCK DOWELING) AND ITEM 900.645 SPECIAL PROVISION (ROCK DOWEL TESTING).
3. SHEAR KEY LOCATIONS SHALL BE AS IDENTIFIED ON PLANS AND CROSS SECTIONS. ADDITIONAL LOCATIONS SHALL BE DETERMINED BY VTRANS GEOLOGIST AND/OR ENGINEER. WORK WILL BE PAID UNDER ITEM 900.640 SPECIAL PROVISION (SHEAR KEYS).

REVISION	DATE	DESCRIPTION
	04-10-2017	ADDED NOTE

PROJECT NAME: COVENTRY	PLOT DATE: 10-APR-2017
PROJECT NUMBER: STP 0113(66)	DRAWN BY: S. ZWICK
FILE NAME: d:\0c114fr.m.dgn	CHECKED BY: C. LEACH
PROJECT LEADER: K. UPMAL	SHEET 9 OF 29
DESIGNED BY: S. ZWICK	
PROJECT NOTES SHEET	