603.10 Stone Fill Type I
5'x 5'x 1/27 = 1.0 cy
M.W.H. 1/14/04
Item 204.20 Trench Earth top 5'
below 5'
283' x 3.8' = 1075.4 ft³
144' x 3.8' x 1.5 = 820.8
1896.2/27 = 70.2 cy 11/4/02 cwg M.W.H. 1/14/04
Item 204.21 Trench Rock pipe
DI
44' x 3.8' = 167.2 ft³
6' x 6' x 6.5' = 234
401.2/27 = 14.9 cy 11/4/02 cwg M.W.H. 1/14/04
3.8' = measured width of 18" CPEP in the field + 2' for excavation width outside the pipe
105+52
NEW 18" CPEP x 90'
W/ RCDI 4X6 W/ TYPE B GRATE
SEE BOOK 7 PG. 127
SEE Book Drainage 2, pg 22
Trench Earth
Trench Rock
1642.2
Trench Rock Boulders
TOTAL
Trench Rock Boulders
SUB-TOTAL
Stone Fill Type II
Total Trench
Total Tr. Rock = 42.3 C.Y.
107+75
NEW 30" CPEP x 80'
See book 7 pg 128 & 66
see Drainage Bk 2 pg 30
Item 613.11 Measured in field
10'x10'x2.0'x1/27 = 7.4 cy 7/10/02 cwg
Type II Stone Fill
maximum pay limits of item 203.31 Sand Borrow to backfill because of unsuitable excavation
(43' x 15.34') + (33' x 13.10') x 1/27 = 40.4 cy 7/10/02 cwg
5' exc.
Grubbings
651.40 12.5' x 42' = 58.3 s.y. C.T.
7/8/02
3/22/04 M.W.H.
special ditch added for field conditions
Bk. 2 Pg. 36
7/8/02 CT Mif 3/22/04 M.W.H.
Stone Fill Type II
Item 613.11 measured in field
10'x10'x2.0'x1/27 = 7.4 cy 7/10/02 cwg
Type II Stone Fill
Maximum pay limits of Item 203.31 Sand borrow to backfill because of unsuitable excavation
(45' x 15.34') + (39' x 10.85') x 1/27 = 41.2 cy 7/10/02 cwg
110+20
See book 7 pg 76
See Drainage Bk 2 pg 34
HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
NATIONAL PRINTRAFT
PRINTED IN U.S.A.
FINAL SURVEY
ORIGINAL SURVEY
SEARSBURG - WILMINGTON
NH-F010-1(18)
SEARSBURG - WILMINGTON
DRAINAGE SHEET 2 OF
New 30" STA. 110+20 ℄ incl. Spec. Ditch
New 30" 107+75
New 18" 105+52
All drainage quantities placed on Item Detail and Dr. Sh. #1 of 3 except for Special Ditch at Sta. 110+20 RT. which is on Item Detail and Dr. Sh. #3 of 3