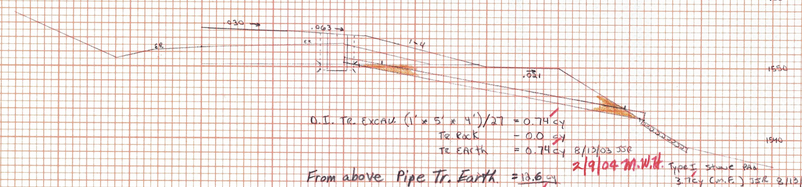
Pipe installed 8/13/03 JSR

1555.48

Pipe Tr. Excavation 110' x 3.1 x 1/27 = 12.6 cy
Tr. Rock = 0.0 cy
Tr. Earth = 12.6 cy 8/13/03 JSR
2/10/04 M.W.H.



O.I. Tr. Excav. (1' x 5' x 4')/27 = 0.74 cy
Tr. Rock = 0.0 cy
Tr. Earth = 0.74 cy 8/13/03 JSR
2/9/04 M.W.H.

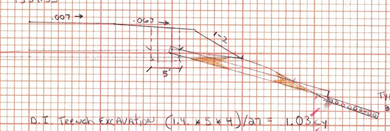
From above Pipe Tr. Earth = 13.6 cy
Total 13.9 cy

Type I Stone Pad
3.7 cy (C.F.) JSR 8/13/03
10' x 10' x 1' M.W.H. 2/9/04

~~182+00~~ 181+73
NEW 12" CSP x 42' L.F.
(SEE BOOK 7, pg 151)
see Dr. Bk 2A pg 38 and Item Detail and Dr. Sh. #1 of 3

1554.33

Pipe installed 8/13/03 JSR



Type I Stone Pad (10' x 10' x 1/27)
3.7 cy (C.F.) JSR 8/13/03 M.W.H. 2/9/04

O.I. Trench Excavation (1.4' x 5' x 4')/27 = 1.03 cy
Tr. Earth = 1.03 cy JSR 8/12/03
M.W.H. 2/9/04

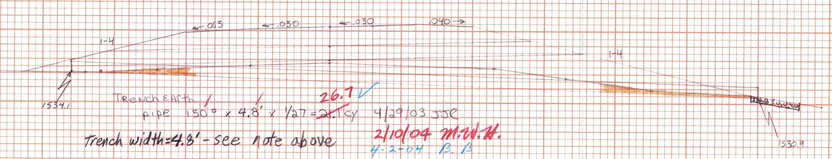
12" Pipe Tr. Excavation 70' x 3.1' x 1/27 = 3.4 cy
Total Tr. Earth 4.4 cy 8/12/03 JSR
2/10/04 M.W.H.

178+50
NEW 12" CSP x 22' L.F.
(See Book 7, pg 149)
see Dr. Bk 2A pg 18 and Item Detail and Dr. Sh. #1 of 3

204.30 Gr. Backfill for Structures $((\overset{*}{9.2'} \times 4.8' \times 2.5) - (\frac{\pi 1.5^2}{4} \times 9.2))/27 = 34.9$ cy JSR 9/9/03
M.W.H. 2/10/04

* note 4.8' Trench width due to 6" I.D. carrier pipe in same trench.

1560.63



Trench Earth
pipe 150' x 4.8' x 1/27 = ~~24.1~~ 26.1 cy 4/29/03 JSR
Trench width = 4.8' - see note above
2/10/04 M.W.H.
4-2-04 R.A.

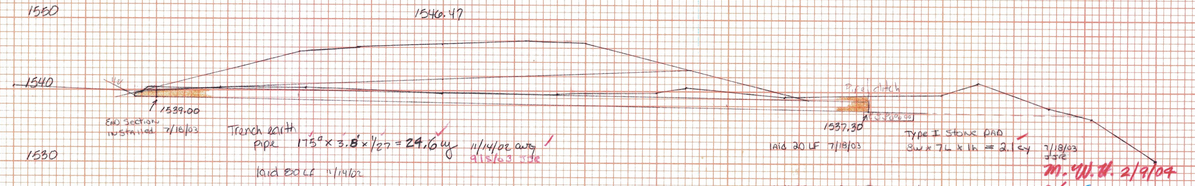
Type I Stone Pad
F.M. 8' W x 7' L x 1' D = 2.1 C.Y. JSR 7/21/03
M.W.H. 2/10/04

185+00
NEW 18" CPEP x 96 L.F.
(SEE BOOK 7, pg 153)
see Dr. Bk 2A pg 46 and Item Detail and Dr. Sh. #1 of 3

* No section taken

1580
1540
1530
1520

1546.47



Trench width
pipe 115' x 3.8' x 1/27 = 24.6 cy 11/14/02 Carry
9/15/03 JSR
laid 80 LF 7/18/03

laid 30 LF 7/18/03

Type I Stone Pad
8' W x 7' L x 1' D = 2.1 cy 7/18/03 JSR
M.W.H. 2/9/04

28.6
204.30 Gr. Backfill Structures
Pipe - $((100' \times 3.8' \times 2.5') - (\frac{\pi 1.5^2}{4} \times 100))/27 = \cancel{37.9}$ cy 7/18/03 JSR
2/10/04 M.W.H.
4-2-04 R.A.

172+12
NEW 15" CPEP
see Item Detail + Drainage Sheet 1 of 3
see BK. #2, Pg. 154

192+02
NEW 18" CPEP x 100' w/ES
(See Book 7, pg 152)
see Dr. Bk 2A pg 40 and Item Detail and Dr. Sh. #1 of 3

SEARSBURG / WILMINGTON

172+12	NEW 15" CPEP
178+50	NEW 12" CPEP
182+00	NEW 12" CPEP
192+02	NEW 18" CPEP
199+00	NEW 18" CPEP
198+35	NEW 15" CPEP Drive - Not shown

Pipe eliminated - no quantities - BK #2A, Pg. 50

Drainage Sheet 3 of 27

SEARSBURG - WILMINGTON
NH-F010-1(18)

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE