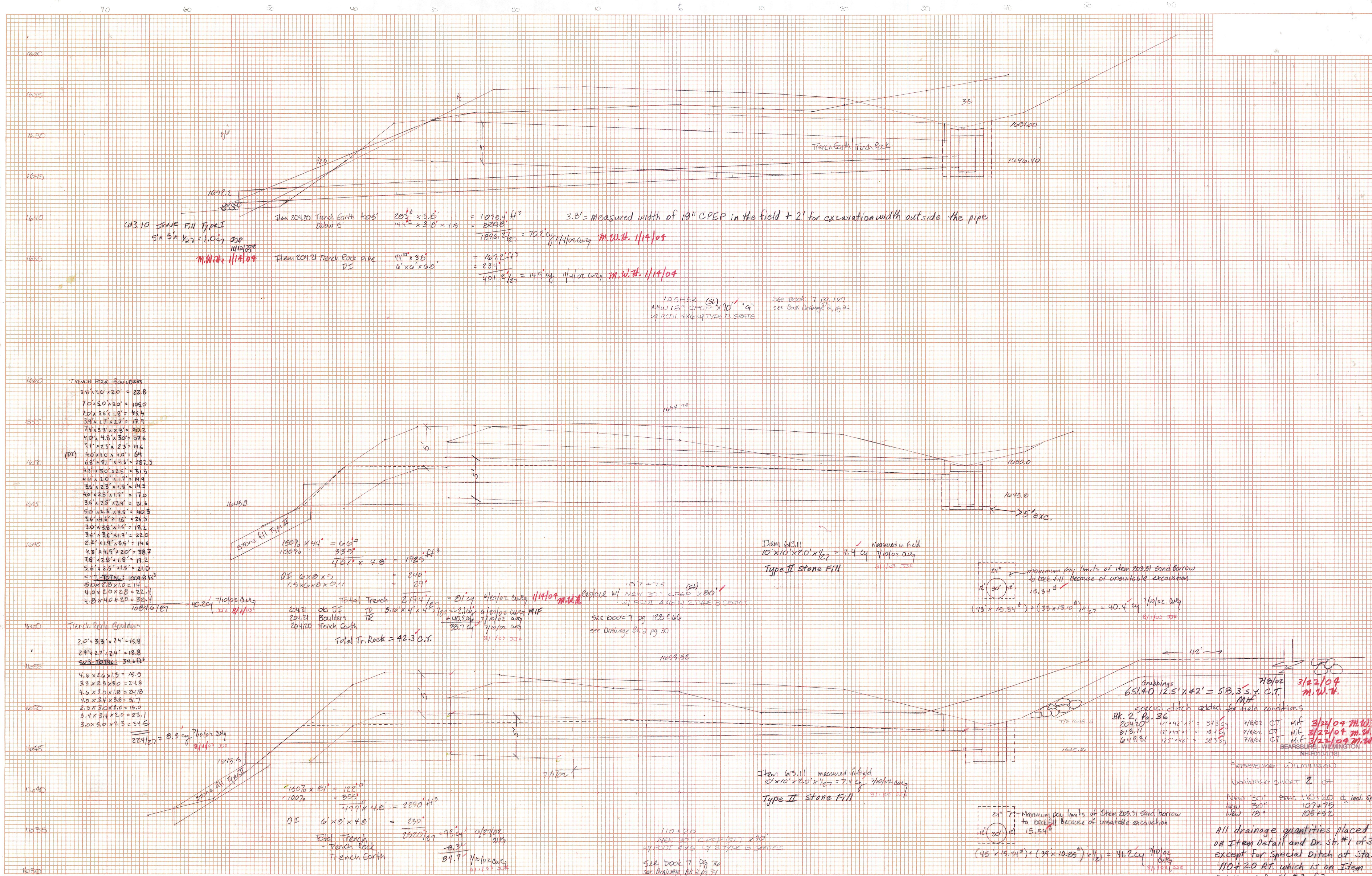


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43.10 Stone Fill Type I
 $5 \times 5 \times \frac{1}{27} = 1.0 \text{ cy}$ 8/1/03

Item 20420 Trench Earth tops Below 5' $283' \times 3.8' = 1075.1 \text{ ft}^3$
 $144' \times 3.8' \times 1.5 = 822.6$
 $\frac{1075.1 - 822.6}{27} = 70.2 \text{ cy}$ 11/14/04

3.8' = measured width of 18" CPEP in the field + 2' for excavation width outside the pipe

Item 20421 Trench Rock pipe DI $44' \times 3.8' = 167.2 \text{ ft}^3$
 $6' \times 6' \times 0.9' = 234'$
 $\frac{167.2 - 234}{27} = 14.9 \text{ cy}$ 11/14/04

10542 (SU)
 NEW 18" CPEP X 90' X 1' G'
 W/ ROST 4X6 W/ TYPE 13 GEOTE

SEE BOOK 7 PG. 129
 SEE BOOK DRAWING 2, PG. 22

TRENCH ROCK BOULDERS

$3.8' \times 2.0' \times 2.0' = 22.8$
 $7.0' \times 5.0' \times 3.0' = 105.0$
 $7.0' \times 3.6' \times 1.8' = 45.4$
 $3.9' \times 1.7' \times 2.7' = 17.9$
 $7.4' \times 3.5' \times 2.3' = 90.2$
 $4.0' \times 4.8' \times 3.0' = 57.6$
 $3.7' \times 2.5' \times 2.5' = 11.6$
 $4.0' \times 4.0' \times 4.0' = 64$
 $6.8' \times 8.1' \times 4.6' = 287.3$
 $4.2' \times 5.0' \times 2.5' = 51.5$
 $4.4' \times 2.0' \times 1.7' = 14.9$
 $3.5' \times 2.5' \times 1.8' = 14.5$
 $4.0' \times 2.5' \times 1.7' = 17.0$
 $3.6' \times 2.5' \times 2.4' = 21.6$
 $5.0' \times 2.3' \times 3.5' = 40.3$
 $3.6' \times 4.6' \times 1.6' = 26.5$
 $3.0' \times 3.8' \times 1.6' = 18.2$
 $3.6' \times 3.6' \times 1.7' = 22.0$
 $2.2' \times 1.9' \times 3.5' = 14.6$
 $4.3' \times 4.5' \times 2.0' = 38.7$
 $3.8' \times 2.8' \times 1.8' = 19.2$
 $5.6' \times 2.5' \times 1.5' = 21.0$
 TOTAL: 1002.8 ft³
 $\frac{1002.8}{27} = 37.1 \text{ cy}$ 8/1/03

TRENCH ROCK BOULDERS

$2.0' \times 3.3' \times 2.4' = 15.8$
 $2.9' \times 2.7' \times 2.4' = 18.8$
 SUB-TOTAL: 34.6 ft³
 $\frac{34.6}{27} = 1.3 \text{ cy}$ 8/1/03

Stone Fill Type II
 $150' \times 4.4' = 660 \text{ ft}^3$
 100%
 $333'$
 $4.0' \times 4.8' = 19.2 \text{ ft}^3$
 $210'$
 $29'$

Total Trench $\frac{2194}{27} = 81 \text{ cy}$ 11/14/04

20421 Old DE IR $3.0' \times 4' \times 4' = 48 \text{ ft}^3$
 20421 Boulders $\frac{48}{27} = 1.8 \text{ cy}$ 11/14/04

20420 Trench Earth $\frac{38.7}{27} = 1.4 \text{ cy}$ 11/14/04

Total Tr. Rock = 42.3 C.Y.

Stone Fill Type II
 $100' \times 8' = 800 \text{ ft}^3$
 100%
 $352'$
 $4.7' \times 4.8' = 22.6 \text{ ft}^3$
 $230'$

Total Trench $\frac{2620}{27} = 97 \text{ cy}$ 11/14/04

Trench Rock $\frac{8.3}{27} = 0.3 \text{ cy}$ 11/14/04

Trench Earth $\frac{84.7}{27} = 3.1 \text{ cy}$ 11/14/04

Item 61311
 $10' \times 10' \times 2.0' \times \frac{1}{27} = 7.4 \text{ cy}$ 7/10/02

Type II Stone Fill

24" maximum pay limits of Item 205.31 Sand borrow to back fill because of unavailability excavation
 15.34 ft^3
 $(45' \times 15.34') + (39' \times 10.85') \times \frac{1}{27} = 40.4 \text{ cy}$ 7/10/02

Item 61311 measured in field
 $10' \times 10' \times 2.0' \times \frac{1}{27} = 7.4 \text{ cy}$ 7/10/02

Type II Stone Fill

24" maximum pay limits of Item 205.31 Sand borrow to back fill because of unavailability excavation
 15.34 ft^3
 $(45' \times 15.34') + (39' \times 10.85') \times \frac{1}{27} = 41.2 \text{ cy}$ 7/10/02

Grubbings
 $651.40 \times 12.5' \times 4.2' = 58.35 \text{ yd}^3 \text{ C.T.}$ 7/10/02

special ditch added for field conditions

Bk. 2, Pg. 36
 20410 $12' \times 4.2' \times 2' = 37.3 \text{ cy}$ 7/10/02 CT MIF 3/21/09 M.W.H.
 61311 $12' \times 4.2' \times 1' = 18.7 \text{ cy}$ 7/10/02 CT MIF 3/21/09 M.W.H.
 64936 $12.5' \times 4.2' \times 3.5' = 38.5 \text{ cy}$ 7/10/02 CT MIF 3/21/09 M.W.H.

SEARSBURG-WILMINGTON
 NHP0101(2)

SEARSBURG-WILMINGTON
 DRAINAGE SHEET 2 OF 3

New 30" Sta. 110+20 & incl. Spec. Ditch
 New 30" 107+75
 New 18" 105+32

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