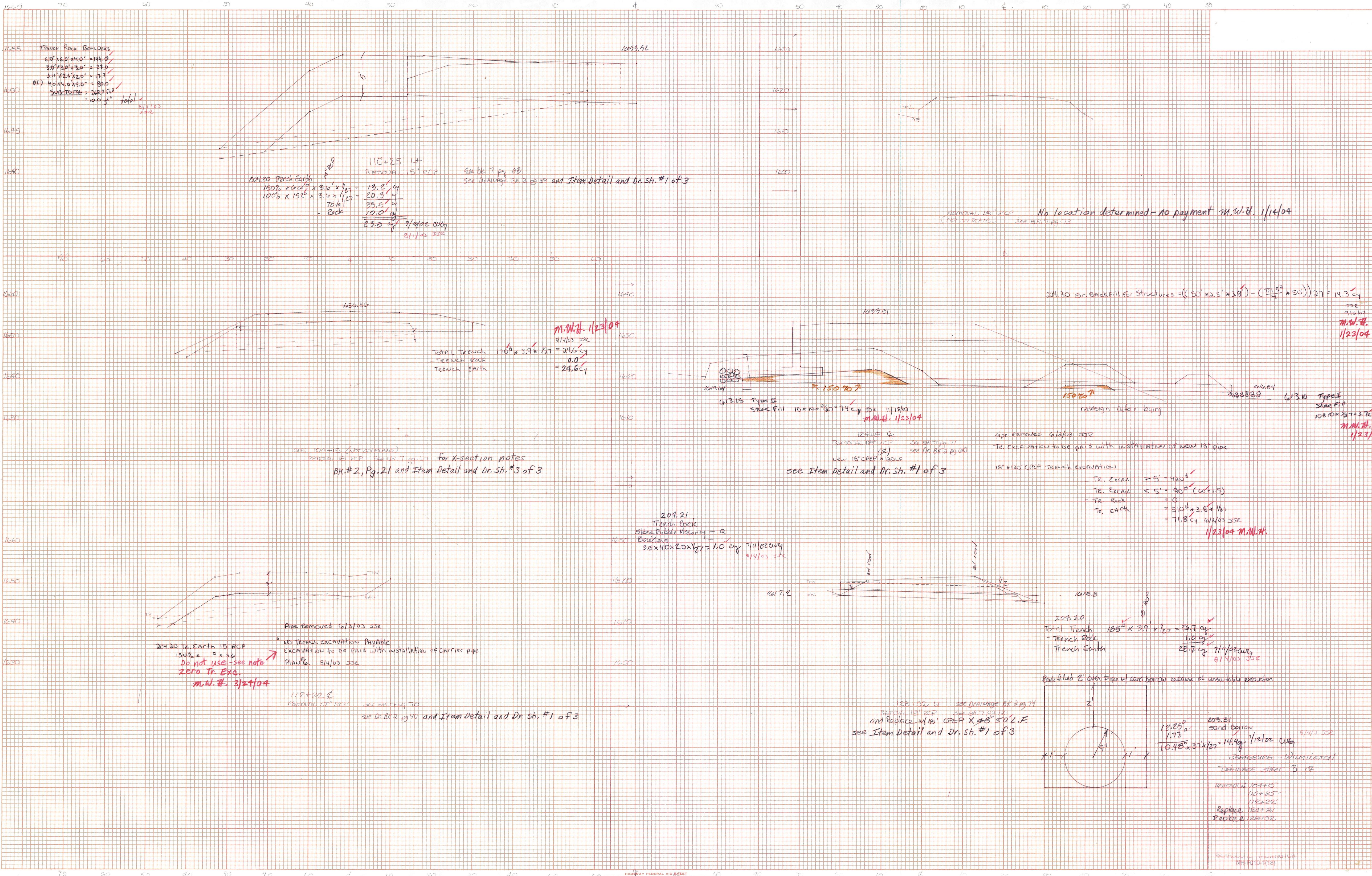


FINAL SURVEY
 SURVEYED
 PLATTED
 NOTE BOOK
 NO. AREAS CHECKED

ORIGINAL SURVEY
 SURVEYED
 PLATTED
 NOTE BOOK
 NO. AREAS CHECKED



TRENCH ROCK BOULDERS
 $6'0" \times 6'0" \times 4'0" = 144.0$
 $3'0" \times 3'0" \times 3'0" = 27.0$
 $3'4" \times 2'6" \times 2'0" = 17.7$
 $4'0" \times 4'0" \times 5'0" = 80.0$
SUB-TOTAL = 268.7 cu ft
 total = 10.0 cu ft

204.20 Trench Earth
 $150\% \times 6'0" \times 3'0" \times 1/2 = 13.5 \text{ cu yd}$
 $100\% \times 15'0" \times 3'0" \times 1/2 = 22.5 \text{ cu yd}$
 Total = 36.0 cu yd
 - Rock = 10.0 cu yd
 26.0 cu yd @ 7/1000 cu yd = 81.4 cu yd

110+25 L.F.
 REMOVAL 15" RCP
 SEE DR. 7 PG. 88
 SEE DRAINAGE BK 2 PG 39 AND ITEM DETAIL AND DR. SH. #1 OF 3

REMOVAL 18" RCP
 (NOT AT PLACE)
 SEE DR. 7 PG. 73
 No location determined - no payment m.w.# 1/14/04

204.30 Gr. Backfill for Structures = $((50 \times 2.5' \times 3.8') - (\frac{71.5^2}{4} \times 50)) \div 27 = 14.3 \text{ cu yd}$
 SEE 9/10/03
 m.w.# 1/23/04

TOTAL TRENCH
 TRENCH ROCK
 TRENCH EARTH
 $7'0" \times 3'9" \times 1/2 = 24.6 \text{ cu yd}$
 0.0
 $= 24.6 \text{ cu yd}$
 m.w.# 1/23/04

613.15 Type II
 STRUCTURE FILL
 $10' \times 10' \times 3'0" = 24 \text{ cu yd}$
 SEE 11/15/03
 m.w.# 1/23/04

613.10 Type I
 STRUCTURE FILL
 $10' \times 10' \times 3'0" = 24 \text{ cu yd}$
 SEE 11/15/03
 m.w.# 1/23/04

SEE 104+5 (W/CON PLANS)
 REMOVAL 18" RCP
 SEE DR. 7 PG. 81
 for X-section notes
 BK # 2, Pg. 21 and Item Detail and Dr. Sh. #3 of 3

124.45
 REMOVAL 18" RCP
 SEE DR. 7 PG. 71
 SEE DR. BK 2 PG 70
 new 18" CPEP @ 1200
 see Item Detail and Dr. Sh. #1 of 3

pipe removed 6/2/03 JSE
 Trench excavation to be paid with installation of new 18" pipe
 18" x 120' CPEP TRENCH EXCAVATION

Trench Excavation = $5' \times 7.0' = 35.0$
 Trench Excavation < 5' = $90' \times 1.5' = 135.0$
 Trench Rock = 0
 Trench Earth = $5' \times 10' \times 3.8' \times 1/2 = 47.5$
 Total = $35.0 + 135.0 + 47.5 = 217.5$
 @ 7/1000 JSE = 152.25 cu yd
 1/23/04 m.w.#

204.21
 Trench Rock
 Stone Rubble Masonry = 0
 Boulders
 $3'0" \times 4'0" \times 2'0" \times 1/2 = 12.0 \text{ cu yd}$
 SEE 7/10/03 JSE

204.20 Trench Earth 15" RCP
 $150\% \times 6'0" \times 3'0" \times 1/2 = 13.5 \text{ cu yd}$
 Do not use - see note
 zero Tr. Exc.
 m.w.# 3/24/04

112+22 L.F.
 REMOVAL 15" RCP
 SEE DR. 7 PG. 70
 SEE DR. BK 2 PG 70 AND ITEM DETAIL AND DR. SH. #1 OF 3

128+52 L.F.
 REMOVAL 18" RCP
 AND REPLACE W/ 18" CPEP X 48' 50" L.F.
 SEE DR. 7 PG. 72
 SEE DR. BK 2 PG 70
 see Item Detail and Dr. Sh. #1 of 3

Backfilled 2' over pipe w/ sand borrow because of unsuitable excavation

205.31
 sand borrow
 $12.25' \times 1.77' \times 10.48' \times 3' \times 1/2 = 14.49 \text{ cu yd}$
 @ 7/1000 JSE
 SEE DRAINAGE - WITH TRENCH
 "DRAINAGE STREET" 3' DE
 REMOVE 12' x 15'
 110' x 25'
 110' x 20'
 Replace 12' x 15'
 Replace 110' x 20'