

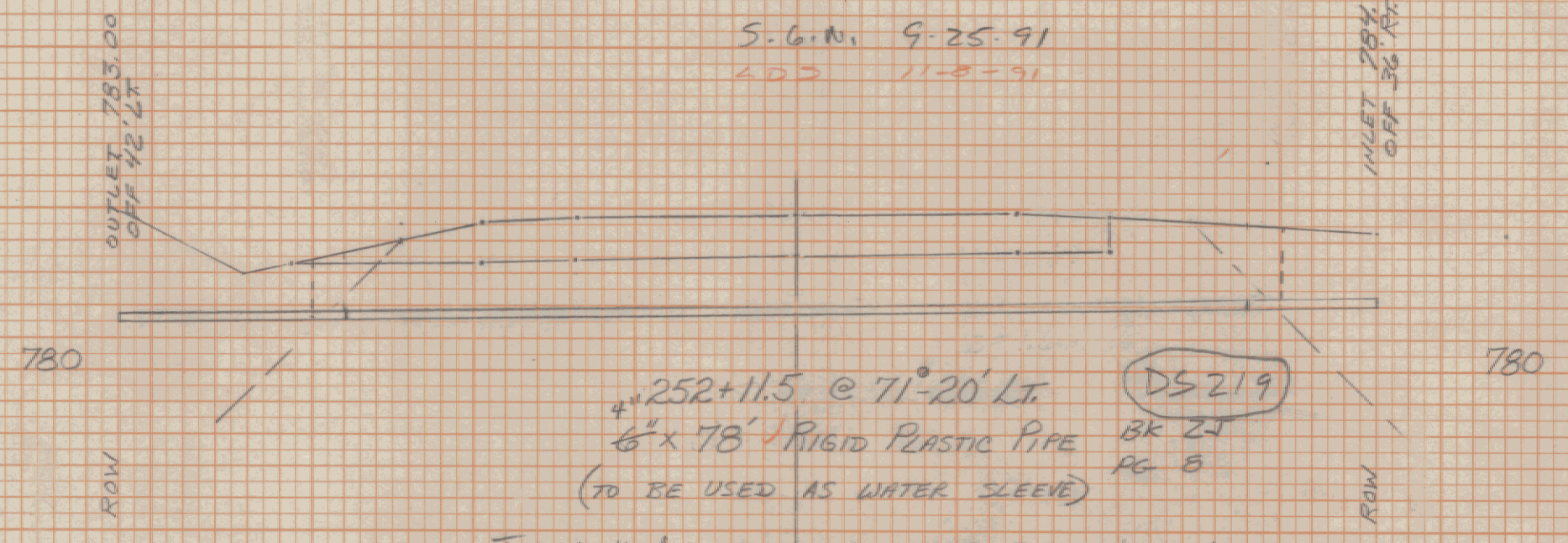
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 ORIGINAL SURVEY NOTE BOOK NO. \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
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Trench Earth

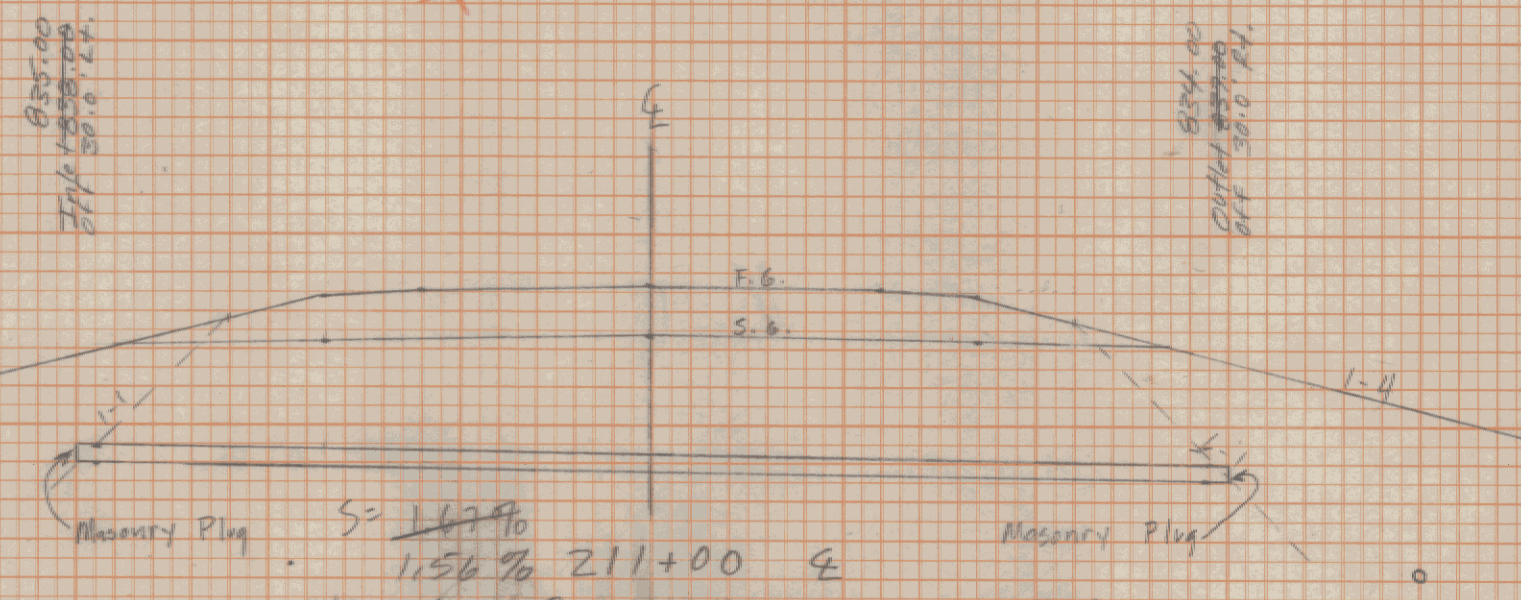
100% T.E. Pipe =  $240' \times 2.5' \times \frac{1}{27} = 22.2 \text{ cy.}$

S.G.N. 9-25-91  
 100% 11-8-91



252+11.5 @ 71°-20' Lt  
 6" x 78" RIGID PLASTIC PIPE  
 (TO BE USED AS WATER SLEEVE)  
 Installed 56' of 4" R.P.P. & 75' of 1/4" Plastic Water line.  
 S.G.N. 8-17-91

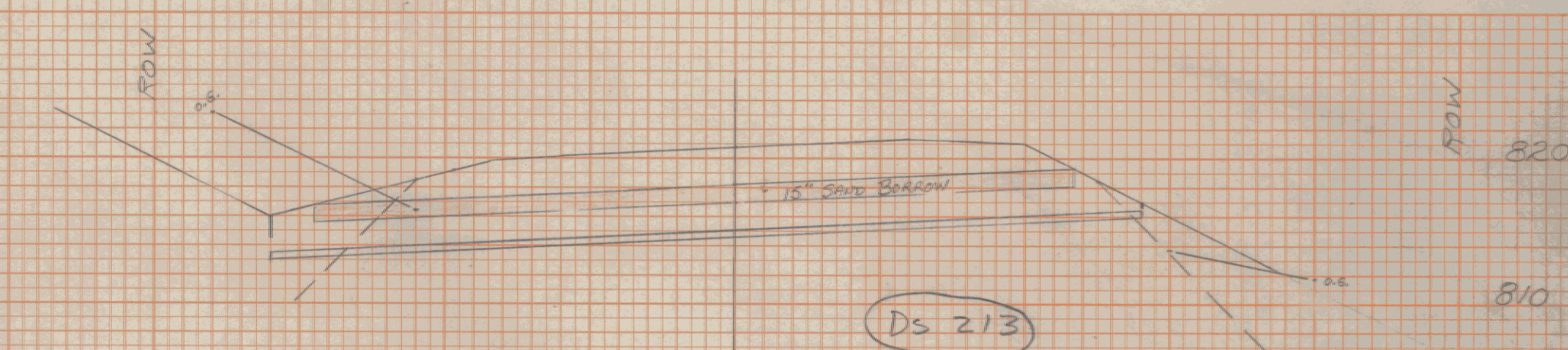
DS 219  
 BK 21  
 PG 8



211+00 @  
 1.56%  
 4" x 60" R.P.P. (L.I. IV)  
 (To Be Used As Sleeve for Sewer)  
 Johnson - NOT IN BOOK PAID FOR BY USER/OWNER

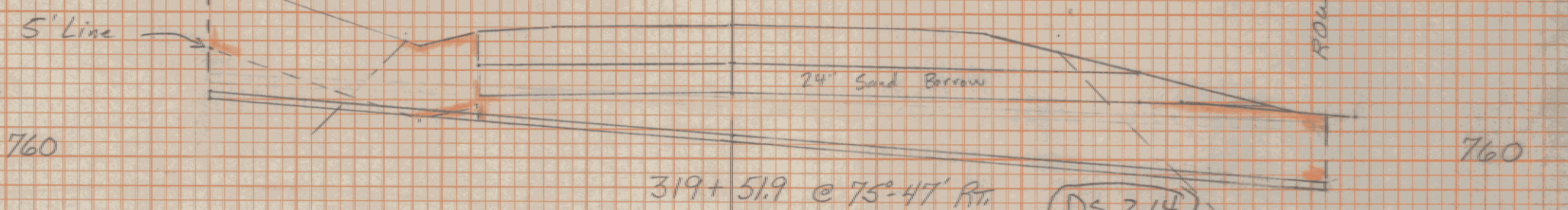
OK

TRENCH  
 10' x 3.5' DEEP  
 UP ROAD  
 (2' 10")



295+75 BK 21 PG 8  
 4" x 60" RIGID PLASTIC PIPE  
 (TO BE USED AS WATER SLEEVE & POWER SLEEVE)  
 \*Used 4" R.P.P.  
 Trench Earth  
 Ppt =  $150' \times 2.3' \times \frac{1}{27} = 12.8 \text{ cy.}$   
 Total Trench Earth = 12.8 cy.  
 S.G.N. 8-12-91

DS 213



319+51.9 @ 75°-41' Rt  
 4" x 78" RIGID PLASTIC PIPE  
 (TO BE USED AS WATER SLEEVE)  
 \*Used 4" R.P.P.  
 Trench Earth  
 100% T.E. =  $287' \times 2.3' \times \frac{1}{27} = 24.4 \text{ cy.}$   
 150% T.E. =  $28' \times 2.3' \times \frac{1}{27} = 3.6 \text{ cy.}$   
 Total Trench Earth = 28.0 cy.  
 S.G.N. 8-12-91

DS 214

233+85 R.M. 100  
 2-2" x 78" POWER & TELE. SLEEVES

Book 25 Page 44  
 With sleeve length = 88' in order to  
 extend to up pole on Lt  
 plus 20' of Power sleeve  
 across drive.

Sleeve length =  $88' \times 2 + 188 \text{ LF}$

TE =  $\frac{234}{150\%} \times 2.0 \times \frac{1}{27} = 2.0 \text{ cy FS 4-30-91}$   
 $\frac{150}{150\%} \times 2.0 \times \frac{1}{27} = 1.9 \text{ cy}$   
 $110' \times 3.5' \times 2 \times \frac{1}{27} = 28.5 \text{ cy LWB 4-30-91}$

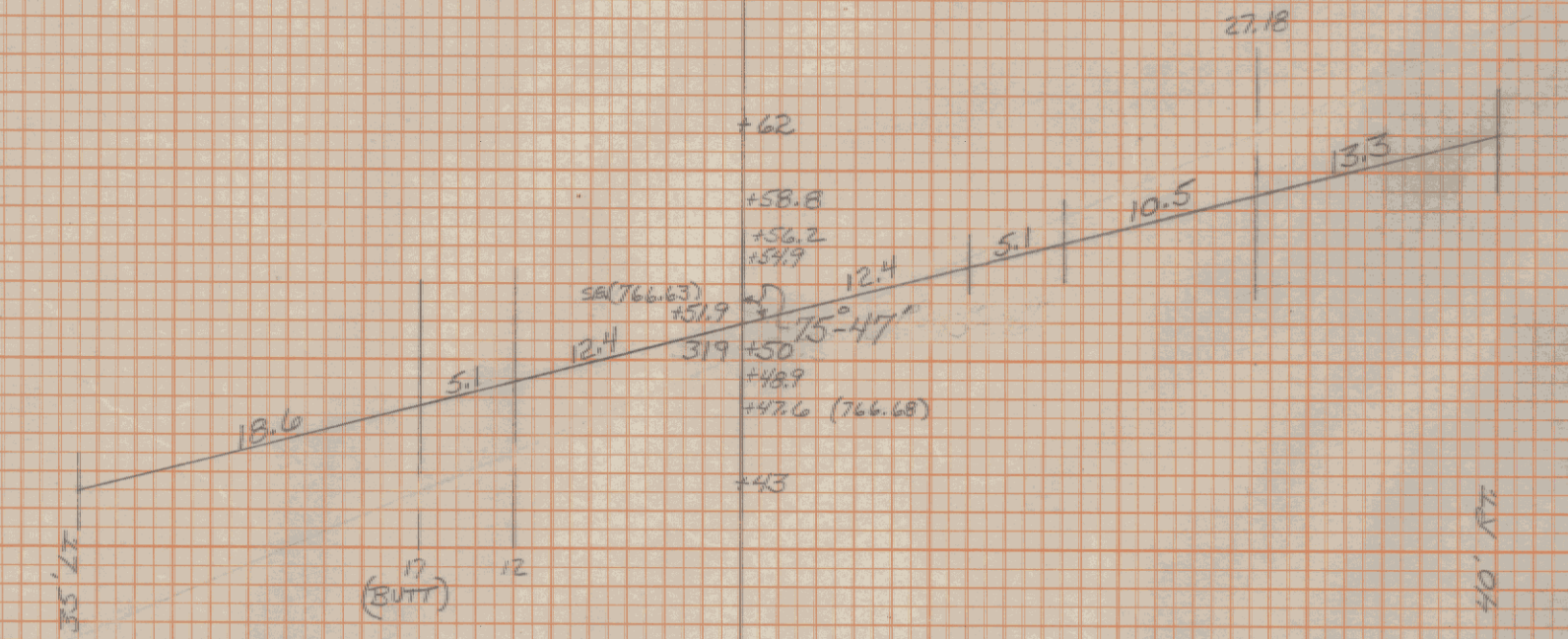
TOTAL 31.4 cy 4-30-91  
 + TE for Curved Wire (Cable) (200')  
 from 232+75 = 232+85 Pt  
 Kill Mes by 188  
 =  $100 \times 3.5 \times 2 \times \frac{1}{27} = 25.9$   
 Total TE = 73.4 cy  
 TO DL 25 P 44

232+75 DS 218  
 4" x 63" WATER SLEEVE  
 6" x 78" WATER SLEEVE

Installed 63' L.F. 4" R.P.P. &  
 74' L.F. of 3/4" Copper.  
 S.G.N. 7-30-91  
 Paid 24.9 cy T.E.

TE =  $\frac{249}{27} \times 2.7 = 24.9 \text{ cy FS 4-30-91}$

BK 23 PG 48



UTILITY SLEEVES  
 TRAY RS 0311 (1)  
 DRAINAGE SHEET #19

319 DRAIN