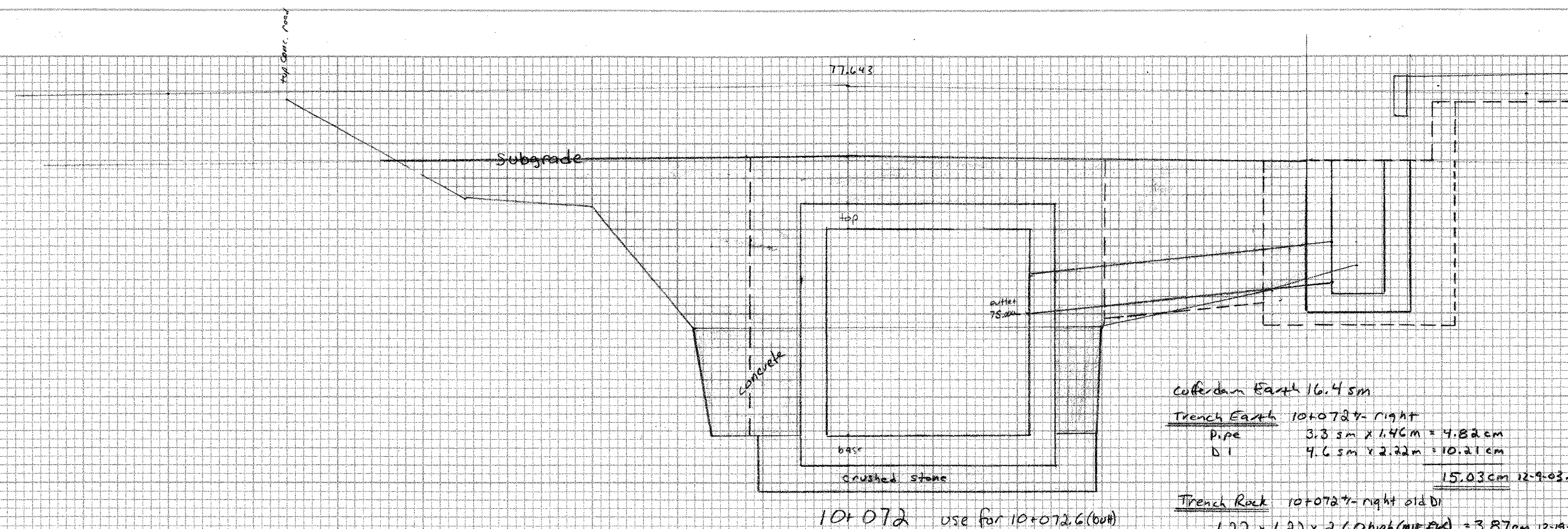


Brattleboro BHF 2000(17)
Sheet # 1

	Final grade		Subgrade
10 + 0.80	77.710	- 0.790	76.920
+ 0.73	77.643		76.853
10 + 0.70	77.626	- 0.790	76.836
+ 0.85	77.613	- 0.790	76.813
10 + 0.7.698	77.600	- 0.790	76.816

16. 205 = Top Top
15. 207 = Top Corn. walls
13. 550 = Top Slat Edge (40")
13. 202 = " " "
12. 502 = bottom Slat



Cofferdam Earth 16.45m

Trench Earth 10+0.73% right

Pipe 3.35m x 1.45m = 4.825m

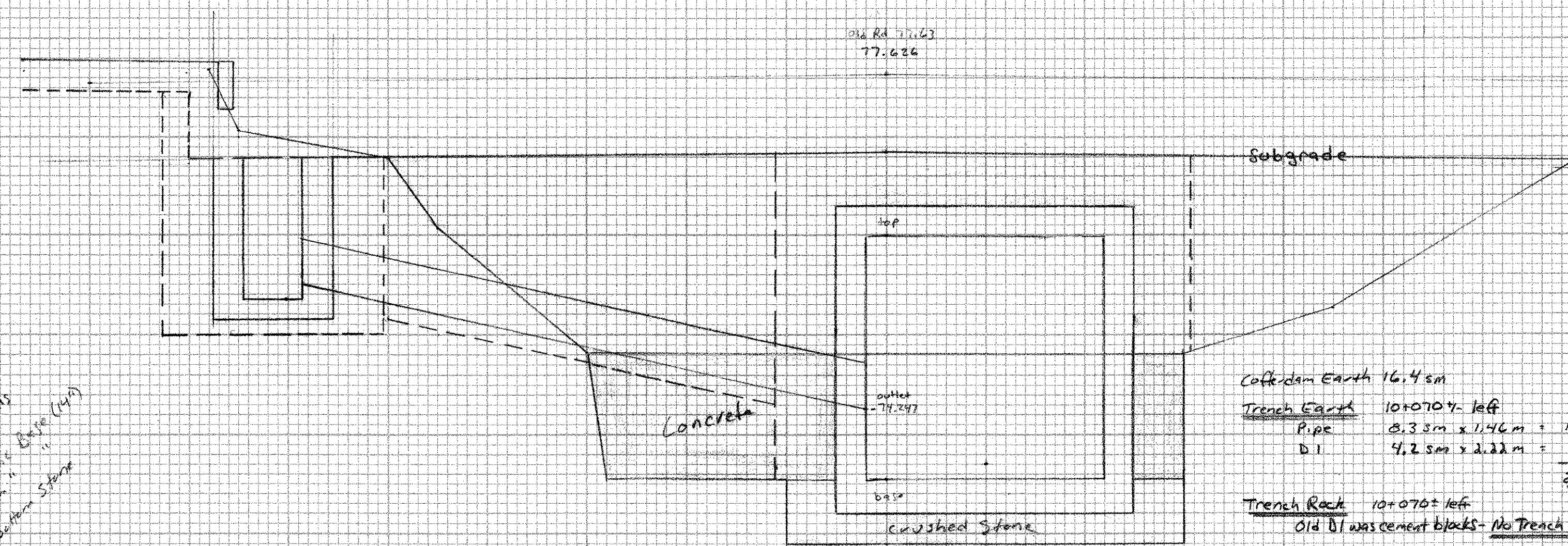
D1 4.65m x 2.22m = 10.215m

15.03cm 12-9-03 fuel

Trench Rock 10+0.73% right side D1

1.22 x 1.22 x 2.60m (4cm thick fuel) = 3.87cm 12-19-03 fuel

Station	end area	ave. end area	distance	volume
10+00 to 10+97 (60 ft)	16.4'			
		16.4'	3.63'	59.53'
10+97 to 10+100 (60 ft)	16.4'			
total =				59.53 cu yd 12.9 cu yd



Offshore Earth 16.4 m

Trench Earth 10+070 - left

Pipe	3.3 m x 1.14 m =	12.18 cm
D.1	4.25 m x 2.22 m =	9.32 cm

2.144 cm 12+9.03 ft

Trench Rock 10+070 - left

Old D was cement block. No Trench Rock

$10 + 0.70$ use for $10 + 0.68.97 (b + t)$

Trench Earth for 1050 mm RCP outlet pipe 10+0637-right
 Length outside Corridor Exc to Abut = 0.46 m (MIF #R)
 Depth below Subgrade = 3.5 m
 Rightwidth of Trench = 2.05 m
 $0.46 \times 3.5 \times 2.05 = 3.30 \text{ cu m}$ 12-9-03 flw

No T.E. for existing 42" & 24" (coming into jet box) - all within Cofferdam limits 12-9-03 fwr

Granola Backfill for Structures

Set Box 3.04m wide, 2.45m long, 3.103 tall
3.04 x 2.45 x 3.103 = 22.92cm

Collateral Earth - Volume 2 Set Box = Gran. bkfil for Structures
59.53 - 22.92 = 36.61cm 12.4-03 PM

Culvert right: trench earth minus volume + culvert
 $\pi R^2 \times \text{length} - \pi \cdot 2.25^2 \times 1.9 = 0.30 \text{ cm}$
 $4.82 - 0.30 = 4.52 \text{ cm} \quad 12-9-03 \text{ JWC}$

DI right: trench earth minus volume DI
 $1.22 \times 1.22 \times 1.8 (\text{ft}^3) = 2.68 \text{ cm}$
 $10.21 - 2.68 = 7.53 \text{ cm}$ 12-9-03 fm

curtrent left: trench earth minus volume curtrent
 $\pi r^2 \times \text{length} - \pi \cdot 235^2 \times 3.9 = 0.62 \text{ cm}$
 $12.12 - 0.62 = 11.50 \text{ cm} \quad 12.9 - 0.3 \text{ ft}$

DI left: trench earth minus volume D1
 $1.22 \times 1.22 \times 1.6 \text{ (m)} = 2.38 \text{ cm}$
 $9.32 - 2.38 = 6.94 \text{ cm}$ 12-19-03 *Plan*

$$10 + 0.68.5$$
$$10 + 065.7 = \text{Zero}$$