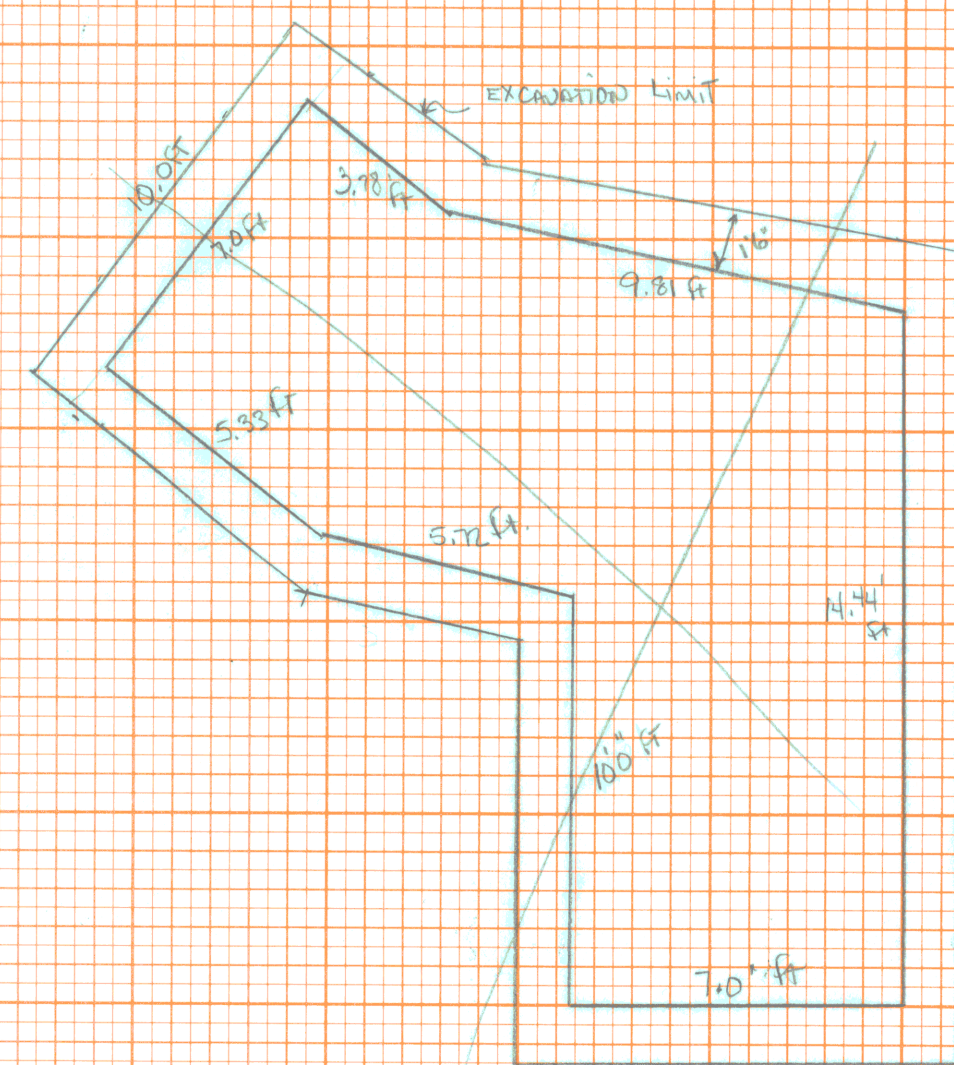
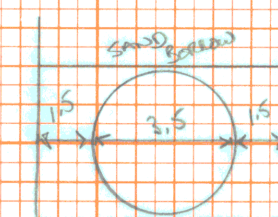




Pipe Excavation Trench Length Item 204.20

$3.5 \text{ Deep} \times 6.5 \text{ wide} \times 25\% \text{ Long} = 2.06 \text{ cu. yds}$

Trench Excavation for Road with
with for D.O.R By C.O. sections



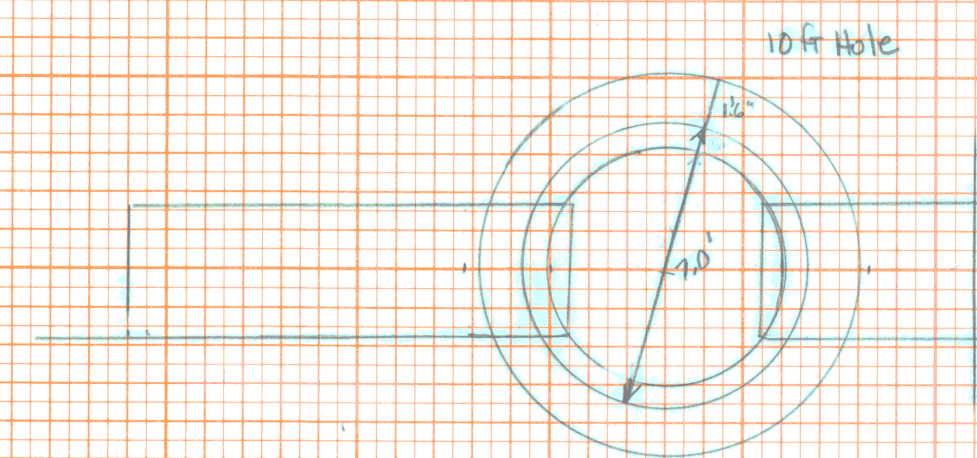
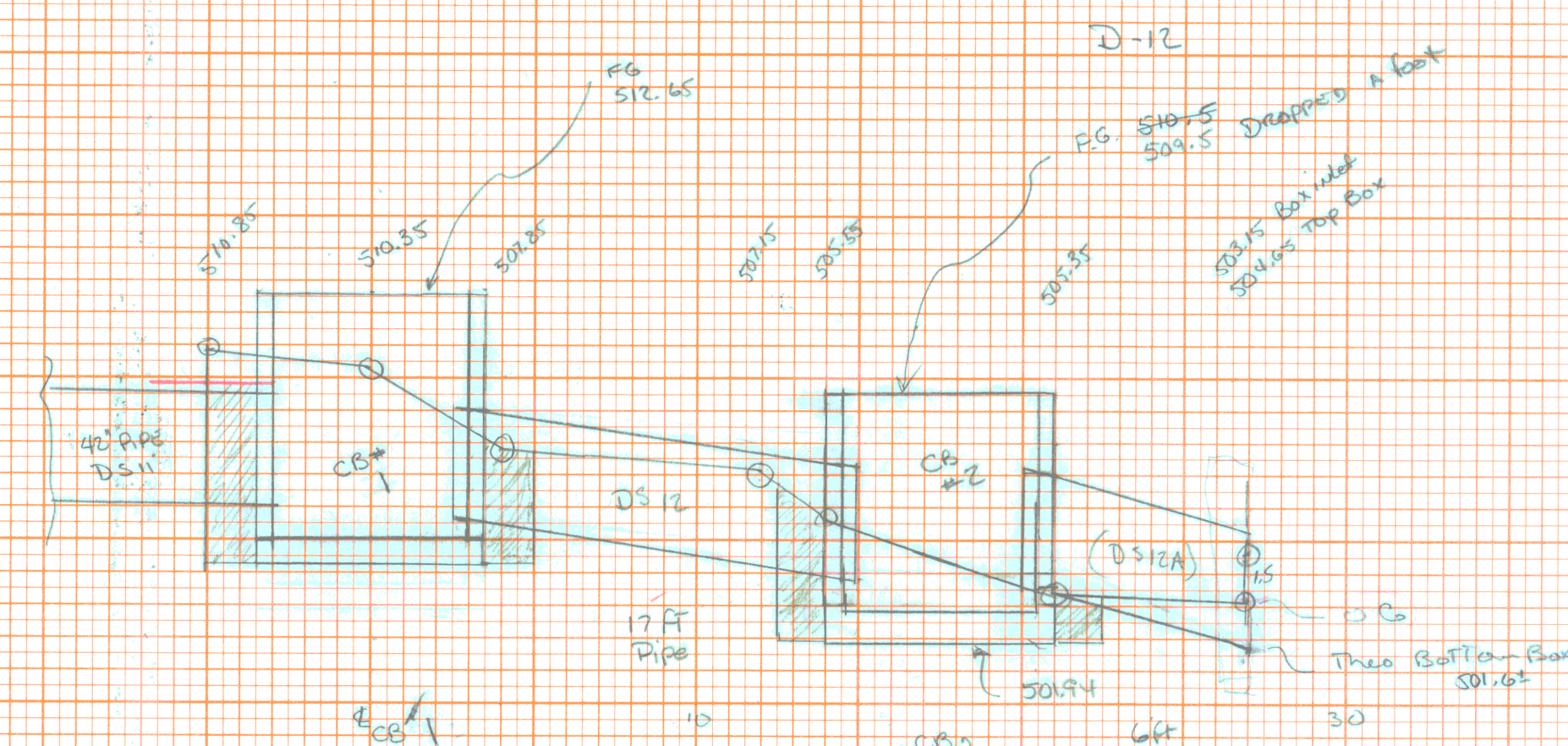
ITEM Item 204.30
€13.75

3.5 deep x 4.5 wide x 2.5 long = (Area) 2.5 long x $\left(\frac{3.5}{2}\right)^2 \pi = 32.834 = 12.61 \text{ sq. ft.}$

PIPE EXCAVATION TRENCH GARTH ITEM 204.20

$$17 \text{ FT Pipe} - 1.5(2) + 0.5 \text{ wall}(2) = 13 \text{ FT Long.}$$

$$13\text{ ft Long} \times \frac{3.0\text{ ft Ave height}}{27} \times 6.5\text{ ft wide} = \underline{\underline{9.39\text{ cy}}}$$



1.5 excess limit around OJS
DE with the company

CB #2

Drøm 204.20
 TRENCH EXCAVATION for CR
 Unexcavated
 0.5 + $\frac{(28 \text{ Ave Depth})}{2} \times \pi (5')^2 = 3.3 \times \frac{\text{Avg Depth}}{2} \times 3.14$
 27

Granular Back Fill for Structure

$$509.5 - 501.94 = 7.56 \text{ ft CB height}$$

$$\pi(5)^2 \times 7.56 \text{ height}$$

$$\sqrt{593,46 \text{ FT}^3}$$