HYDROLOGY G14/D24 NO PLANS

G 14 - D24

No Plans

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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EXCAVATION.

CALCULATE CUBIC YARDS:

AREA "A": 28' X 28' = 784 SF
17' X 11' ÷ 2 = 144.5
23' X 11' = 253
− 10 X 29 = − 290
791.5 SF or 792 SF X .18
= 142.47 CF

TRENCH "A": 15' X 15' ÷ 2 = 112.5 SF X 1.5' = 168.75 CF
16' X 16' ÷ 2 = 128 SF X 1.5' = 192 CF
5' X 15' = 75 X 1.5' = 112.5 CF
281.25 CF

AREA "B" 15' X 26' ÷ 2 = 195 SF
26' X 15' = 390
17' X 17' ÷ 2 = 144.5
23' X 11' = 253.0
− 10' X 29' = − 290
742.5 or 743 SF X .18
= 133.74 CF

TRENCH "B": 5' X 38' = 190
10' X 4' ÷ 2 = 30
220 SF X 1.5 = 330 CF + 196 CF

CLTEC# PROJ.
DRAINAGE CALCS. CONT.

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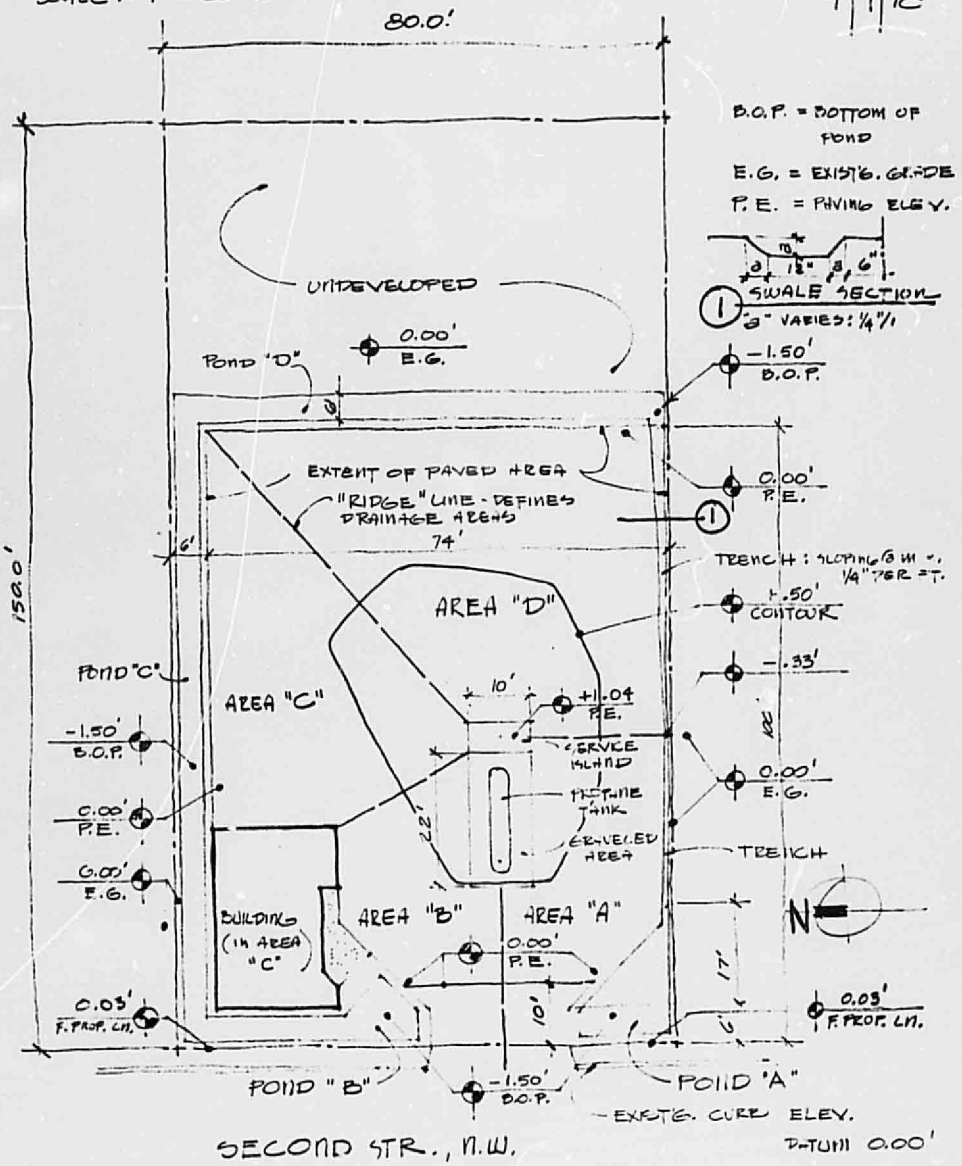
AREA "C": 72' x 30' = 2160 SF
30' x 22'÷2 = 330
42' x 26'÷2 = 546
3036 SF x .18 = 546.48 CF

POND "C" 5' x 94' x 1.5' = 705 CF (+ 159 CF)

AREA "D": 26' x 50' = 1300 SF
48' x 50'÷2 = 1200 SF
2500 SF x .18 = 450 CF

POND "D": ? x 75' x 1.5' = 450 CF
? x 117 = 450
? = 450/117
= 3.85 or 4' WIDE MIN.

DRAINAGE PLAN : ORTEGA PROPANE SERVICE

SCALE : 1" = 20'-0"

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