

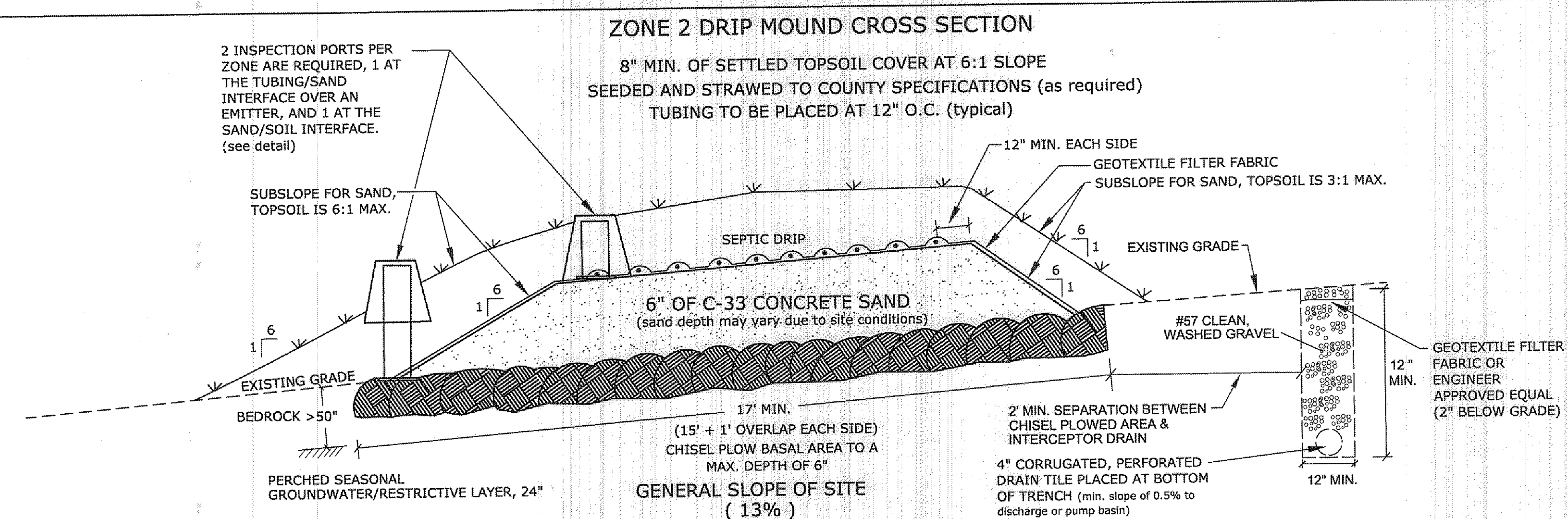
**MINIMUM DEPTH REQUIREMENTS FROM TUBING:**  
(PRIOR TO CREDITS)  
DEPTH TO SEASONAL HIGH WATER/RESTRICTIVE LAYER, 24"  
DEPTH TO BEDROCK, 48"

BASED ON SOIL REPORT (WORST CASE OF BORING L),  
ACTUAL DEPTH TO SEASONAL HIGH WATER/RESTRICTIVE LAYER, 24"  
ACTUAL DEPTH TO BEDROCK, >50"

BASED ON PROPOSED 6" SAND DEPTH,  
DEPTH TO SEASONAL HIGH WATER/ = 24" + 6" (1:1 CREDIT SAND ELEVATION)  
RESTRICTIVE LAYER + 12" (CREDIT FOR MICRO DOSING) = 42" > 24" (OK)  
DEPTH TO BEDROCK= 50" + 4" (1:1 CREDIT SAND ELEVATION)  
+ 12" (CREDIT FOR MICRO DOSING) = 66" > 48" (OK)

**CALCULATED LANDSCAPE LINEAR LOADING RATE:**  
INFILTRATION AREA:  
LENGTH = INCLUDE THE SAND BED AND THE DOWNHILL SAND TOE ON EACH END OF EACH MOUND  
65' + 2' + 2' = 69'/ZONE  
2 ZONES X 69' = 138'  
360 GPD/138' = 2.61 GPD/LF < 2.7 (ALLOWABLE PER SOIL REPORT) OK

**CALCULATED BASAL LOADING RATE:**  
INFILTRATION AREA:  
WIDTH = INCLUDE THE SAND BED AND THE DOWNHILL SAND TOE  
11' + 2' + 2' = 15'  
LENGTH = INCLUDE THE SAND BED AND THE SAND TOE AT EACH END  
65' + 2' + 2' = 69'  
15' X 69' X 2(ZONES) = 2070 SF.  
360 GPD/2070SF = 0.17 GPD/SF < 0.25 OK



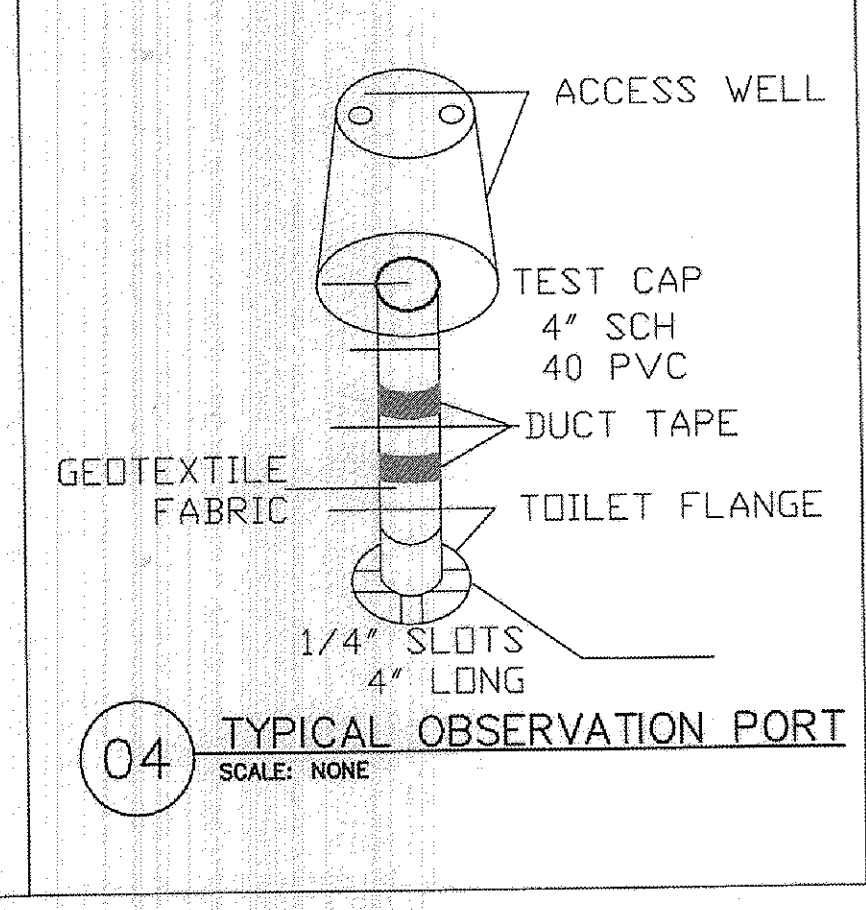
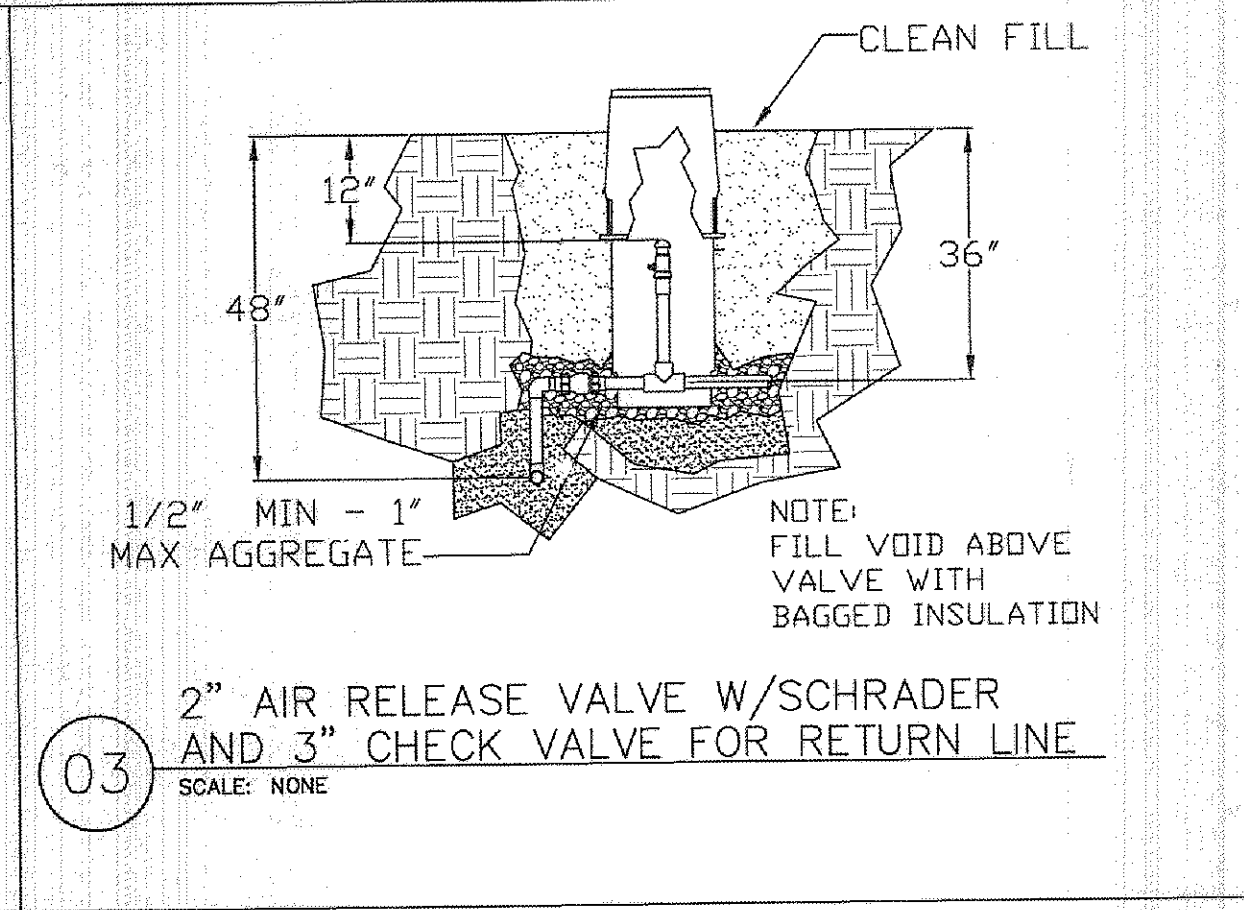
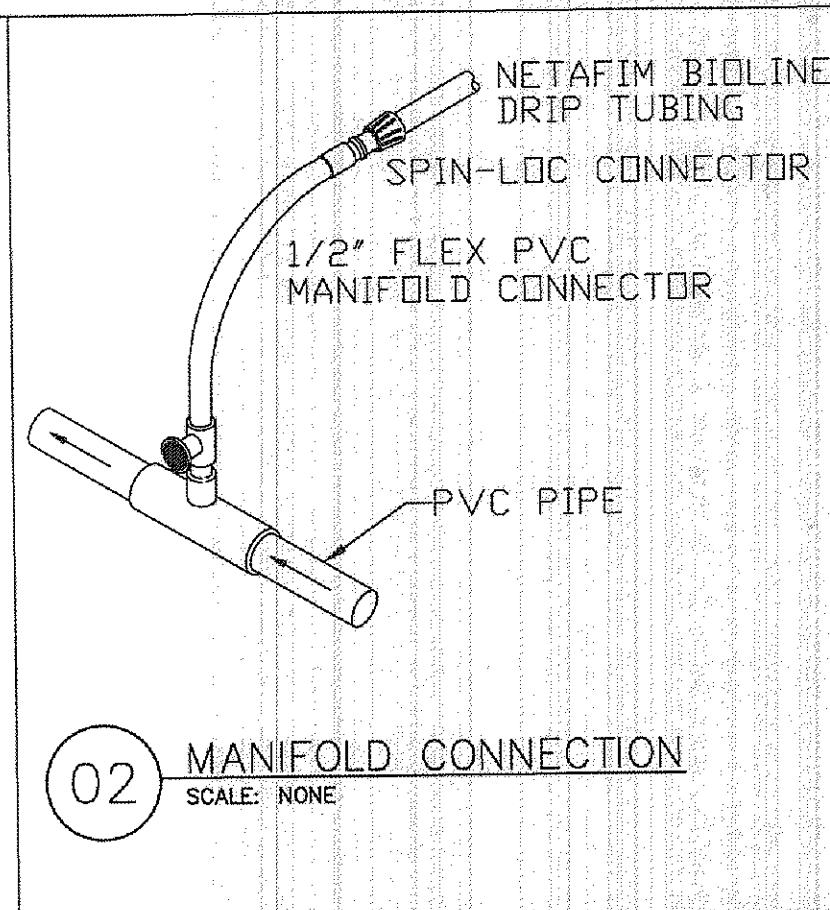
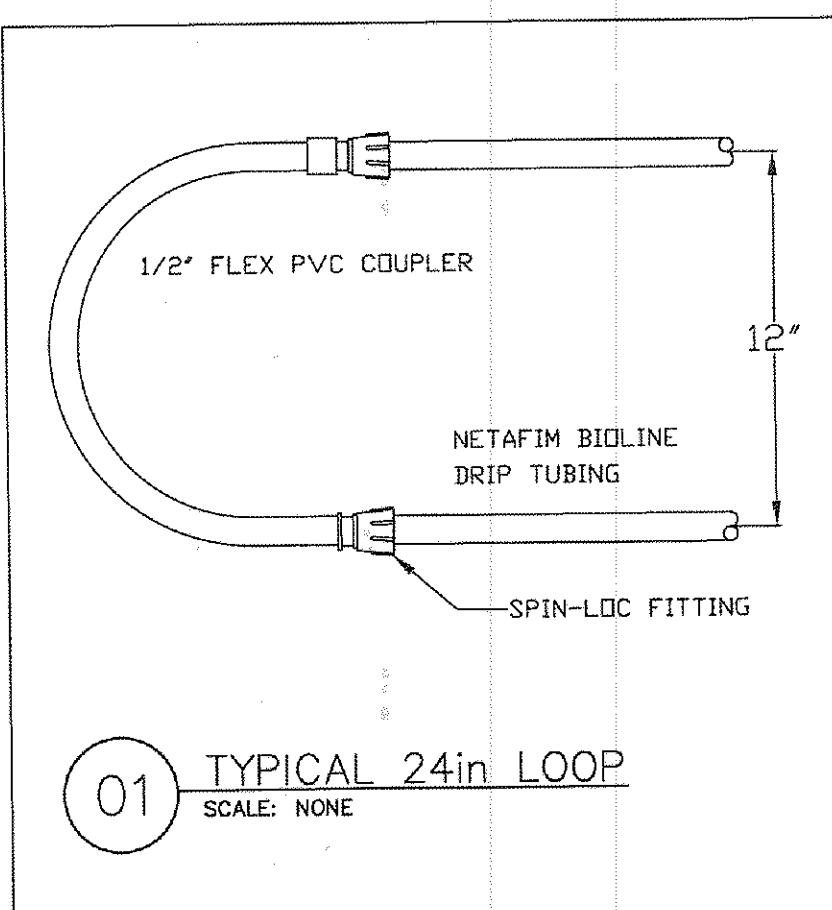
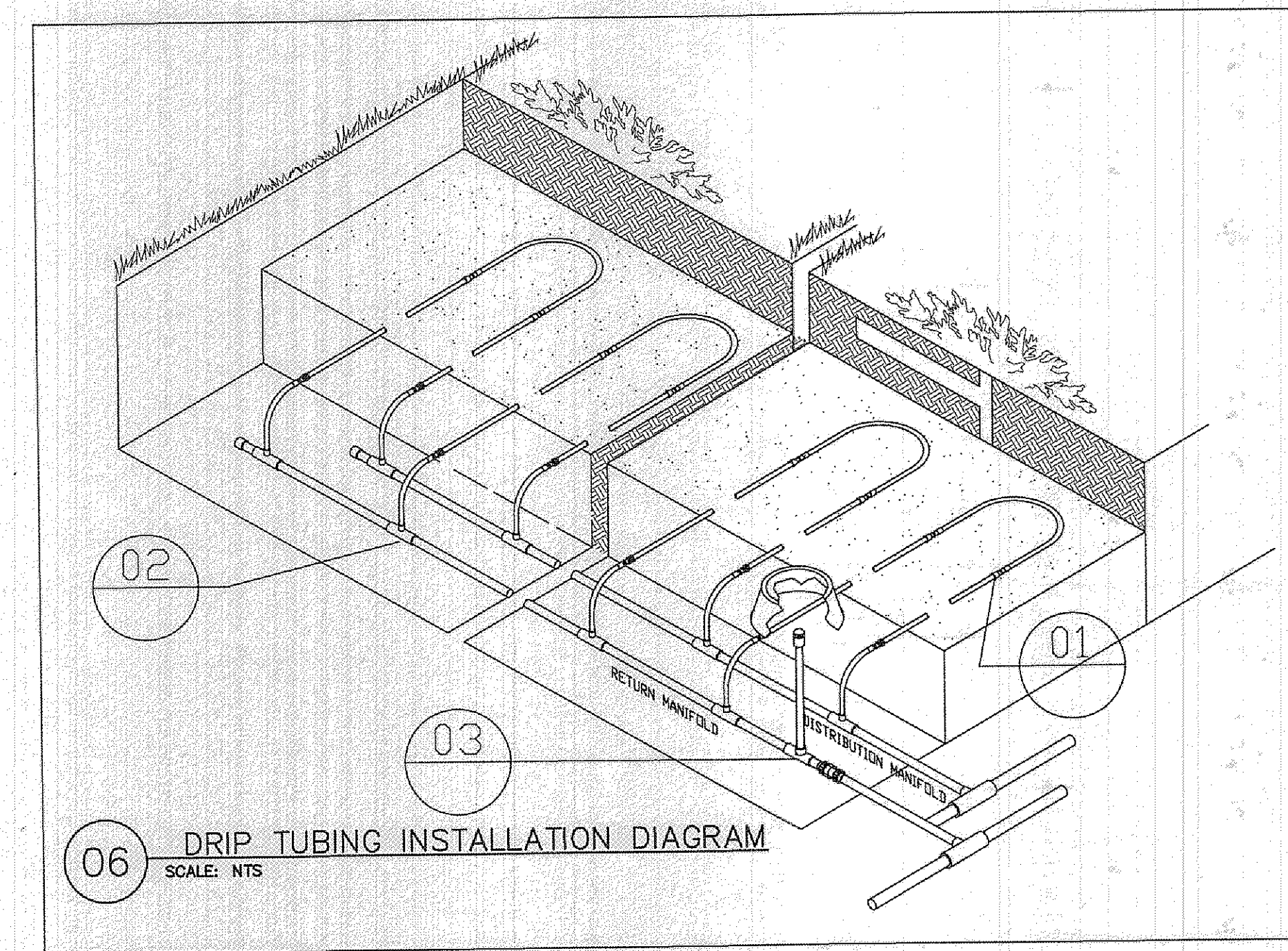
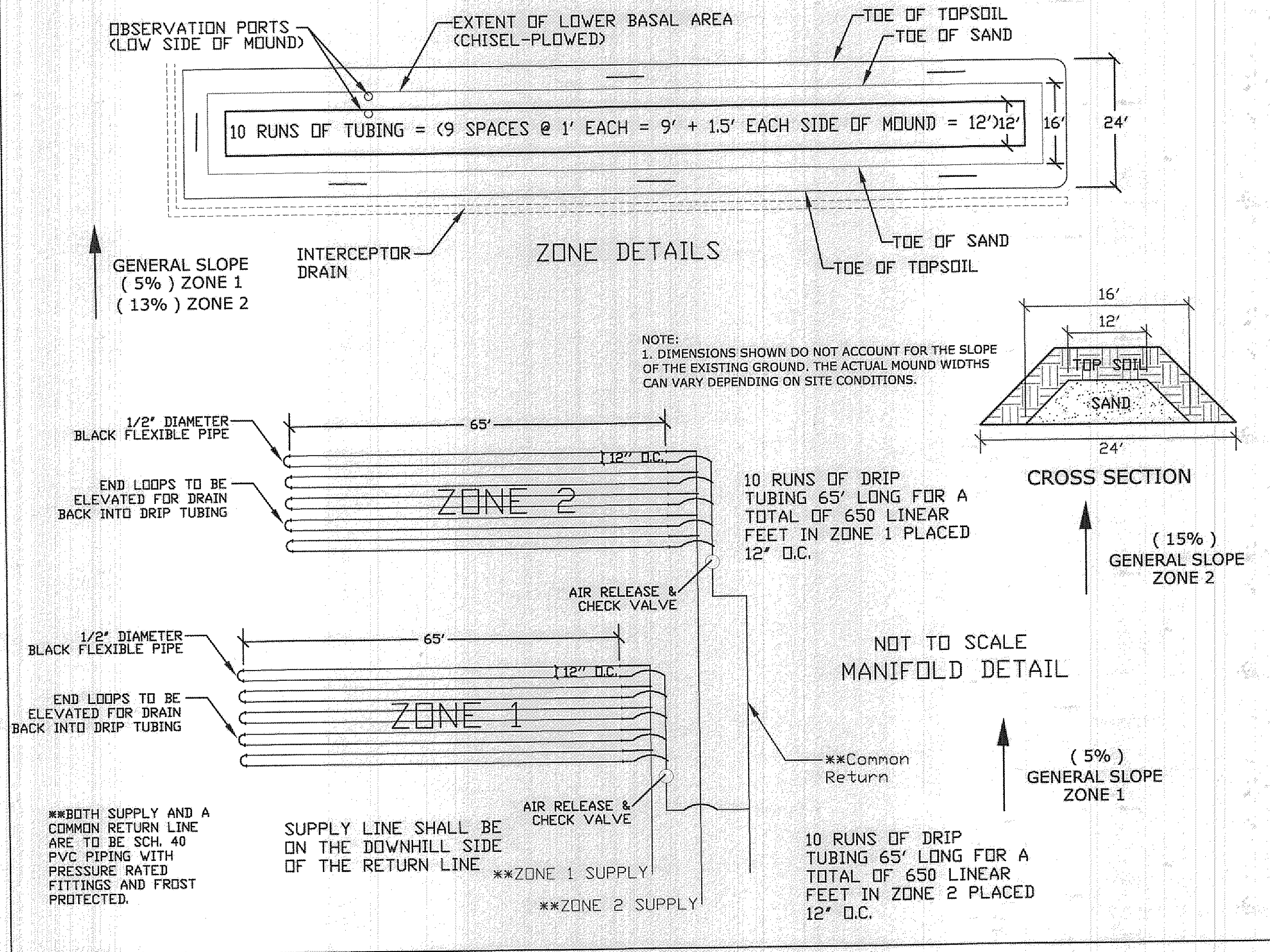
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360 GPD/138' = 2.61 GPD/LF < 3.5 (ALLOWABLE PER SOIL REPORT) OK

**CALCULATED BASAL LOADING RATE:**  
INFILTRATION AREA:  
WIDTH = INCLUDE THE SAND BED AND THE DOWNHILL SAND TOE  
11' + 2' + 2' = 15'  
LENGTH = INCLUDE THE SAND BED AND THE SAND TOE AT EACH END  
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15' X 69' X 2(ZONES) = 2070 SF.  
360 GPD/2070SF = 0.17 GPD/SF < 0.25 OK



REVISIONS	BY

**Barrington**  
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**ORMSTON**  
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**SITE PLAN**  
10618 ANNA DR., KIRTLAND, OH 44094-8803  
SIL 8 LAZIO'S RIDGE SUBDIVISION VOL. 44 PG. 31

**DETAILS**

DRAWN  
WSO  
CHECKED  
DWN  
DATE  
JUNE 3, 2013  
SCALE  
1" = 20'  
JOB NO.  
12045  
SHEET  
2/3