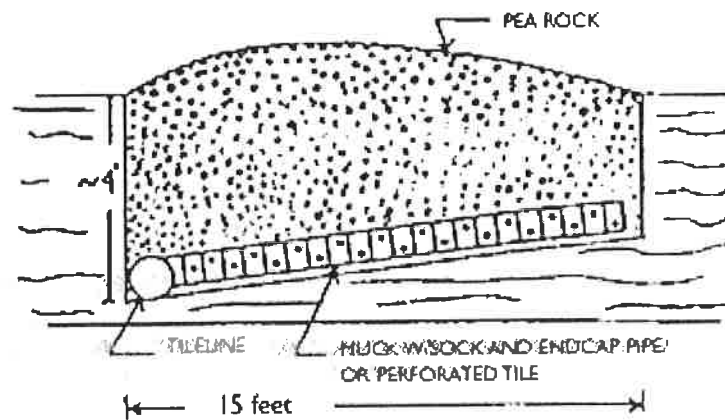


Alternative Intakes

Benefits:

- Convenient
- Cleaner water
- Reduces soil loss
- Eliminates suction
voids
- Eliminates crop
residue in tile line

ROCK INLET DESIGN AND SPECIFICATION



Materials:

- 5-inch minimum diameter perforated tile
or
- 5-inch diameter muck pipe with 5/8-inch holes
and an outer sock
- T-connector, 5" to _____
- 4 cubic yards pea rock (1/4" to 3/4" diameter)

Earth Work:

- Excavate 2'-3' wide by 15' long by 3'-4' deep
(depth to existing tile)

Note:

- Design adapted from Morreim drainage,
Freeborn County