

SEDIMENT LEVEL
INCREASES WITH TIME,
FLOW RATE DECREASES

4" C.P.T. AT
36" COVER,
PLOWED

WATER FLOW LINES:
PATH OF LEAST
RESISTANCE

DIAGRAM

3015 PolyG AT

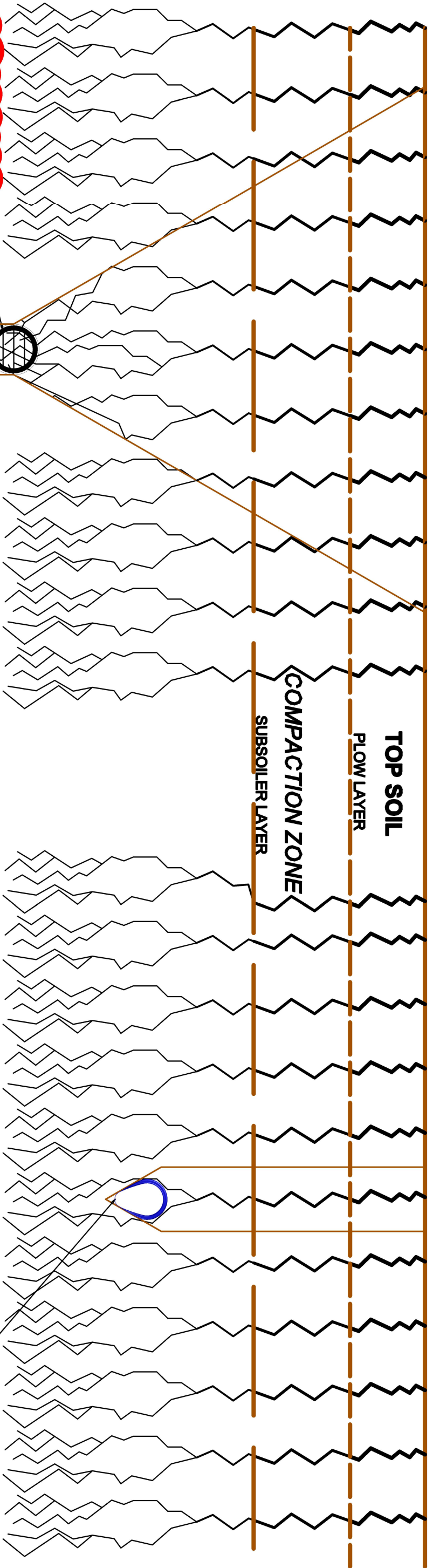
24" COVER,
TRENCHED

BOTTOM ONLY SLOTS,
SELF CLEANING DESIGN,
FULL FLOW RATE

5" FILTER LAYER,
VIRGIN SUBSOIL

by REMI
2024

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HOLDS WATER,
NUTRIENTS,
THUS ATTRACTS ROOTS

AFTER ROOTS DIE AND
DECOMPOSE, THEY ESSENTIALLY
CREATE A MICRO CHANNEL FOR
WATER TO TRAVEL DIRECTLY FROM
THE SURFACE TO TILE LINE,
A PATHWAY FOR NUTRIENT
LEACHING/RUNOFF.

COMPACTION ZONE
SUBSOILER LAYER

TOP SOIL
FLOW LAYER

ROOT INTRUSION: VIA PATH OF
LEAST RESISTANCE & WATER
SOURCE DIAGRAM

NO ROOT INTRUSION,
NO PATHWAY FOR NUTRIENT
LEACHING. EXCESS NUTRIENTS
GET STORED IN SUBSOIL IN OFF-
SEASON ALONG WITH RAIN WATER.

SLOTS BOTTOM ONLY,
HOLDS NO WATER,
NO NUTRIENTS,
NO ROOTS