manhole cover

3 – 4" transfer pipes

liquid level

4" inlet

4" outlet to borehole or
3 – 2" outlets to sand filter

▽ HIGH WATER TABLE

inside walls plastered
with sulphate resistant
type 50 cement or type 1
cement with approved admixture

2/3 liquid
capacity

1/3 liquid
capacity

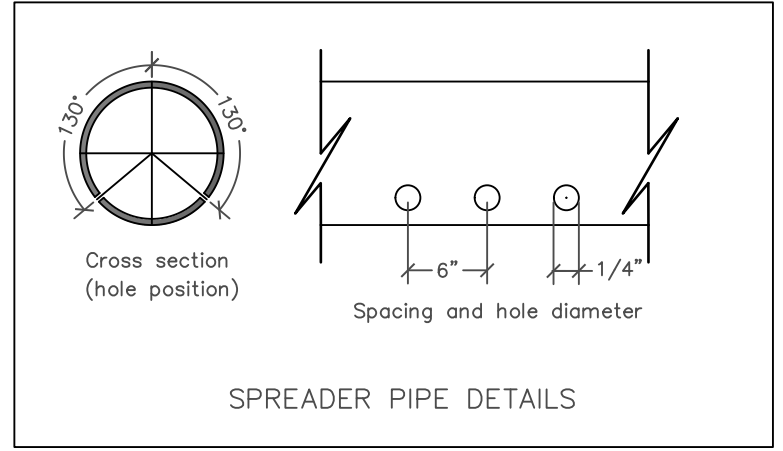| Dimension	Measurement
A	min 2"
B	30" – 72"
C	min 60"
D	min 30"
E	min 4"diameter
F	min 2"
G	min 9" but < 1/3 liquid depth
H	min 6"
I	invert at 30–40% of liquid level
J	20 – 30% of liquid depth
K	36" min
L	min 24"
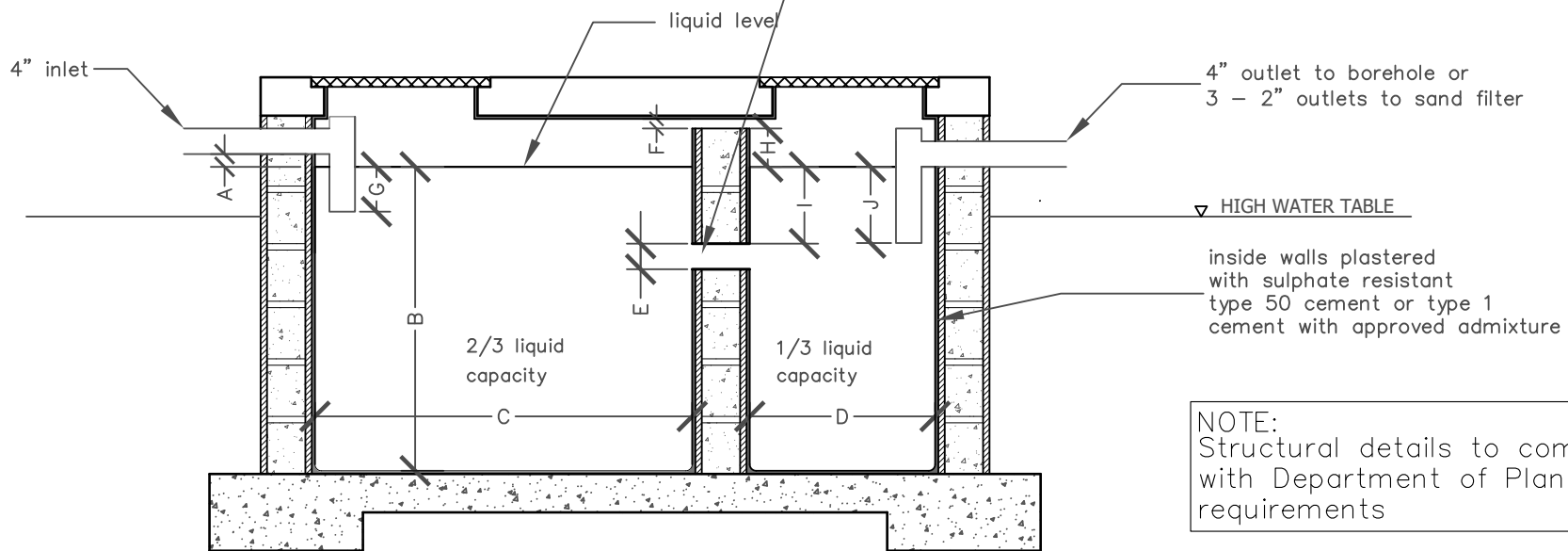
NOTE:
Structural details to comply
with Department of Planning
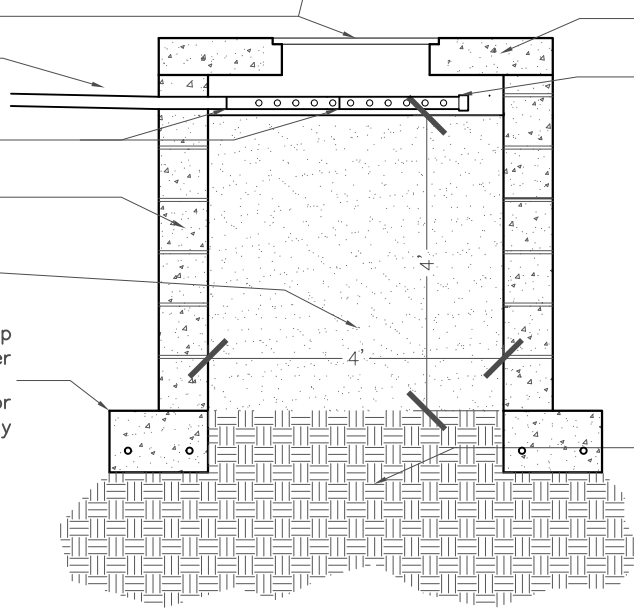requirements

1 **Septic Tank Design**
Not to scale

Appendix 1

metal access cover

grade

septic tank outlet

6" filled concrete block

2'

6" reinforced concrete slab

6"

dia. sch. 40 casing pipe with solvent welded joints

cement grout tremied into full length from bottom up

water table

varies

sea water

10" min.

varies

open hole

4"

20'

Typical Wastewater Disposal Borehole

1

Scale:not to scale

Appendix 2

4'

3'
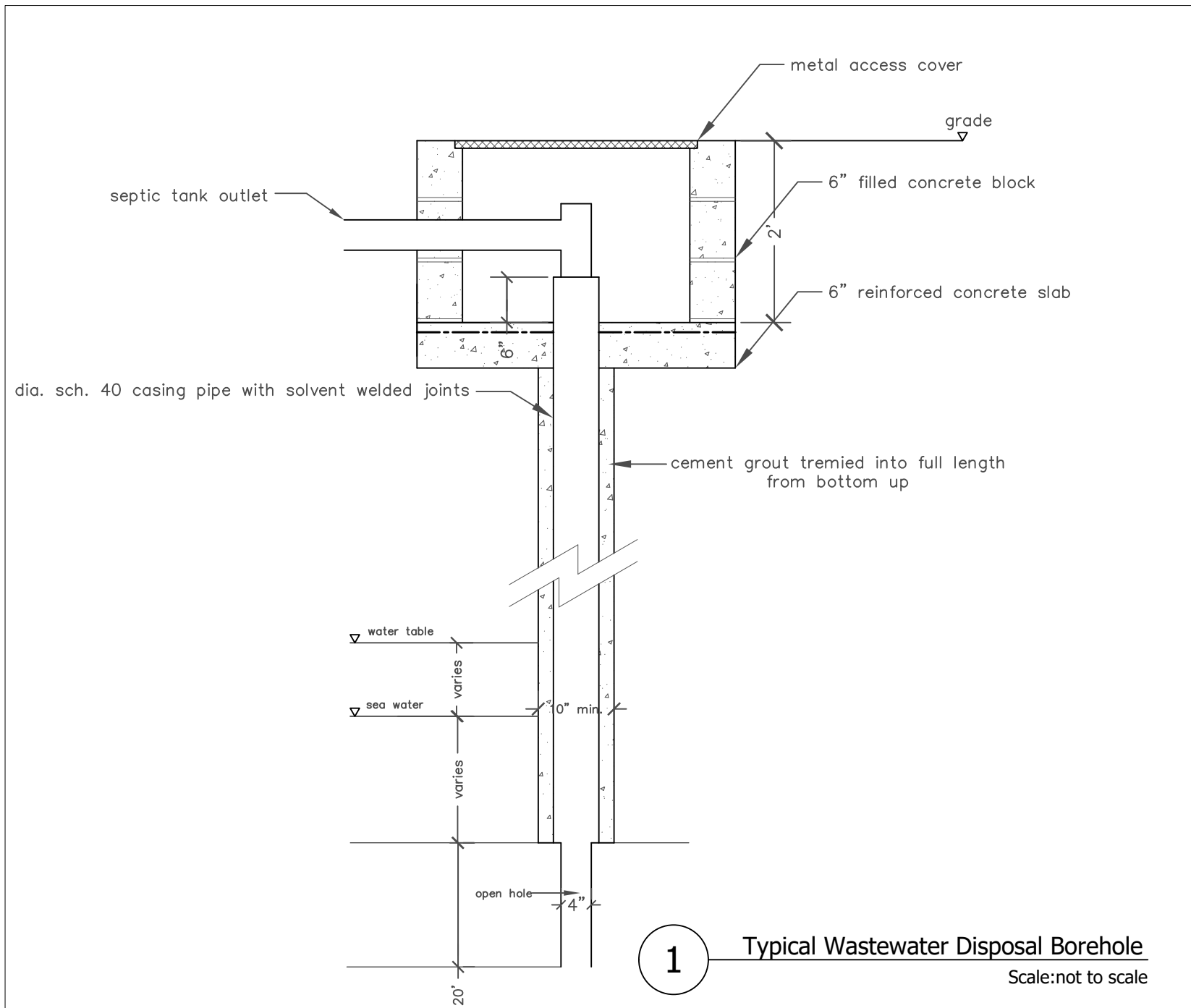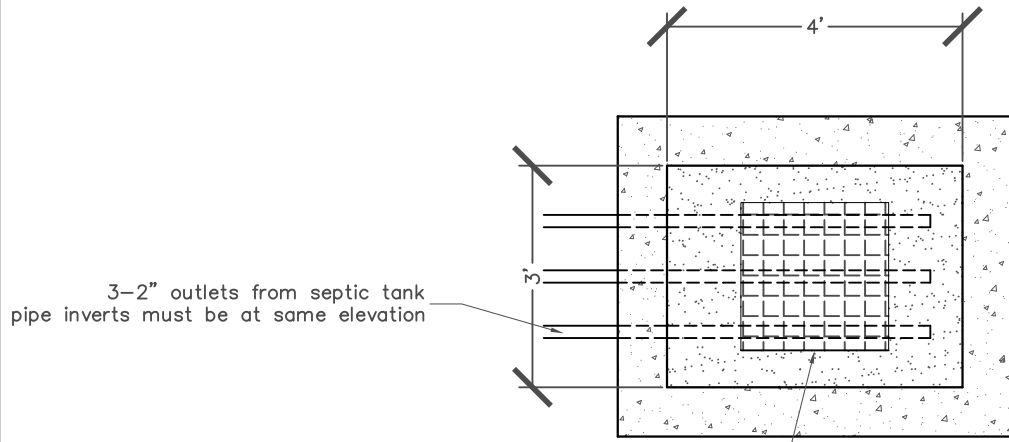
3—2" outlets from septic tank
pipe inverts must be at same elevation

130° 130°

Cross section
(hole position)

6" 1/4"

Spacing and hole diameter

SPREADER PIPE DETAILS

24" x24" access cover
3—2" outlets from septic tank
pitched 1/4" per foot

6" concrete reinforced top slab

4" effluent discharge pipe connected
to 3 — 2" perforated spreader pipes
for even flow over the filter bed

joints for disassembly

8" filled concrete block

clean, sifted construction
sand (no beach sand)

footings 16" x 10" deep
2 —12mm bars with min. 3" cover

Note: footings approved for
4' x 3' x 4' sand filter only

4'

4'

rock

NOTE:
Joints to spreaders to be
tight but not glued.

① **Sand Filter**

Scale: not to scale