

WATERSILO INFILTRATION BASIN

INSITUCAST TECHNOLOGY

DETENTION: 10,000-150,000+ GAL
FOOTPRINT: 16'-30' DIAM.

FRAME & COVER
24" DIAM., CAST IRON

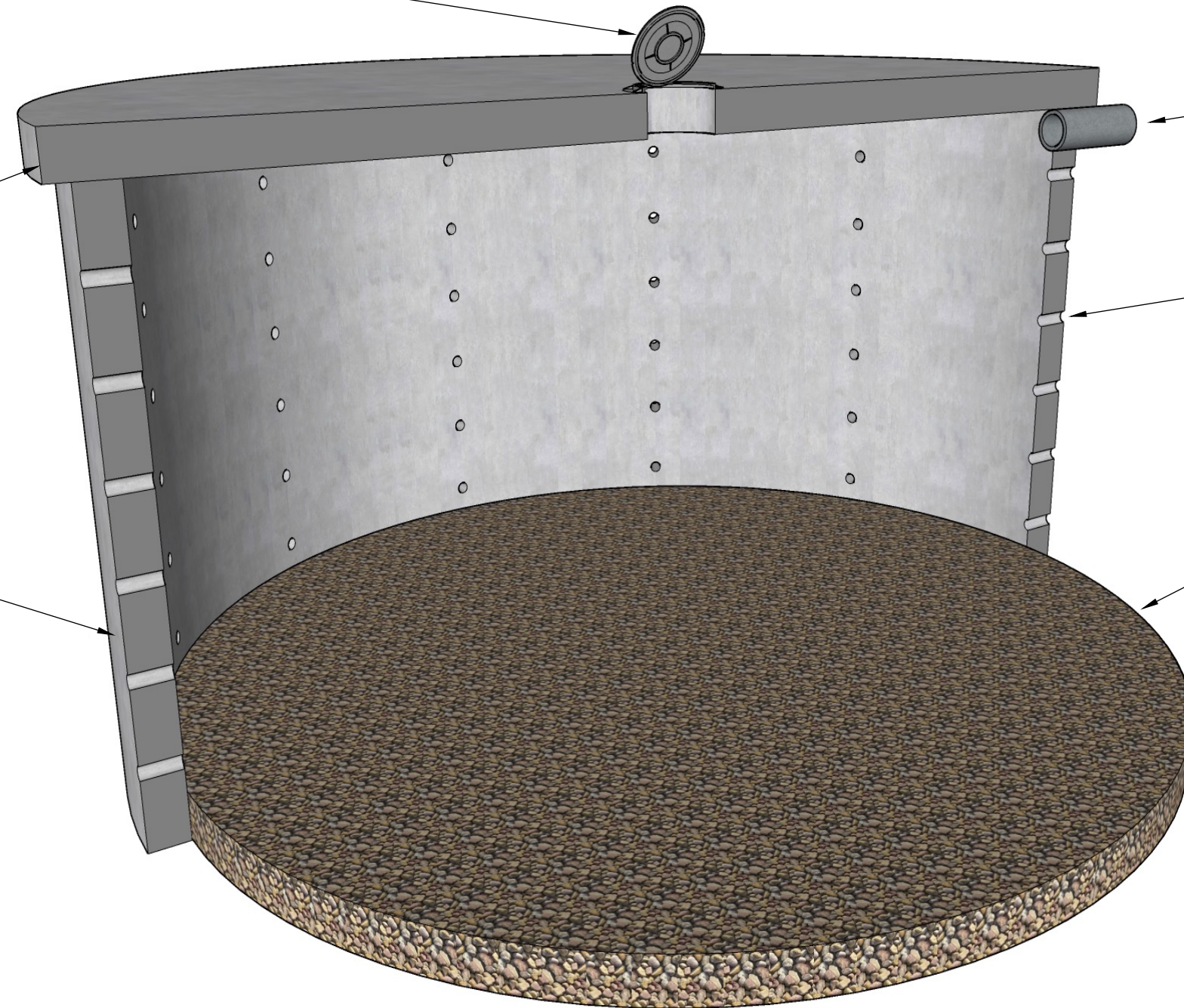
RC SLAB
H-20 RATED

CONCRETE WALL
12" THICK, 4,000 PSI

INFLOW PIPE(S)
AS REQUIRED

WEEP HOLES
4" DIAM. @ 30 DEG & 24"

BASE GRAVEL
12" THICK



SEITec
WaterSilo

25500 HAWTHORNE BLVD, #2230
TORRANCE, CA 90505
www.WaterSilo.us

CONTACT INFORMATION

WATERSILO SUPPLIER: SEITEC
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SALES EMAIL: INFO@SEITECINC.COM

CONFIGURATION

1.0

SPECIFICATIONS INSITUCAST TECHNOLOGY

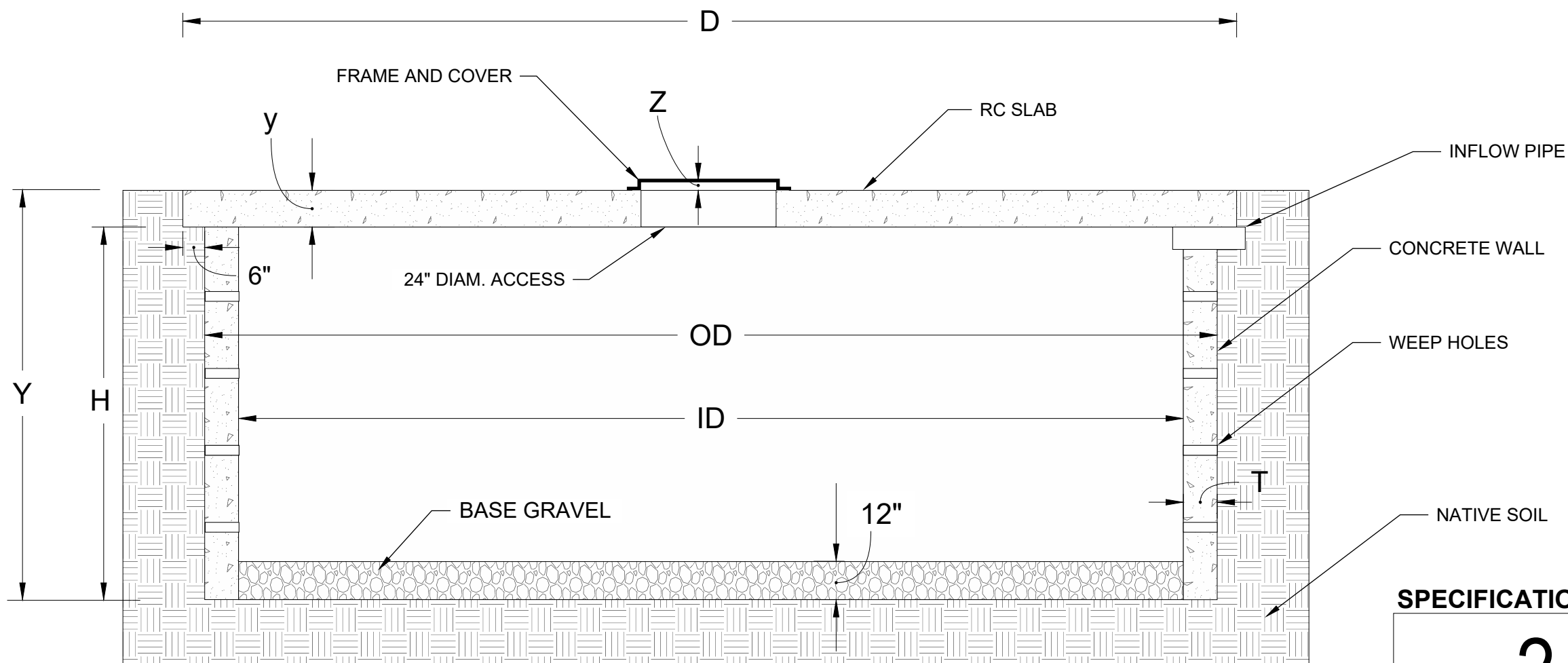
SPECIFICATIONS

WATERSILO	INFILTRATION BASIN
STRUCTURE	CONCRETE
DETENTION CAPACITY, GAL	SEE TABLE
INSIDE DIAMETER (ID), IN	SEE TABLE
DETENTION DEPTH (H), FT	SEE TABLE
EXCAVATION DEPTH (Y), FT	SEE TABLE
WALL THICKNESS (T), IN	12.0
OUTSIDE DIAMETER (OD), IN	SEE TABLE
COVER	H-20 RATED RC SLAB
RC SLAB THICKNESS (y), IN	12.0
RC SLAB DIAMETER (D), FT	SEE TABLE
WATERSILO ACCESS	CAST IRON FRAME & COVER
FRAME & COVER HEIGHT (Z), IN	1.5
ACCESS DIA., IN	24
INFLOW PIPE(S)	AS REQUIRED
WEEP HOLES	4" @ 30 DEG. & 24"

RANGE OF DETENTION CAPACITY OPTIONS

DETENTION CAPACITY, GAL	INSIDE DIAM. (ID), FT	DETENTION DEPTH (H), FT ¹⁾	EXCAV. DEPTH (Y), FT	OUTSIDE DIAM. (OD), ft	SLAB DIAM. (OD), ft	BOTTOM INFILTRATION AREA, SF	AVERAGE PERIMETER INFILTRATION AREA, SF	TOTAL INFILTRATION AREA, SF	AVERAGE INFILTRATION RATE, CFS ²⁾	DETENTION TIME, HRS ²⁾
10,000	16.0	6.2	7.2	18.0	19.0	201	177	378	0.013	28.3
20,000	16.0	12.9	14.9	18.0	19.0	201	365	566	0.020	37.8
40,000	16.0	26.2	28.2	18.0	19.0	201	741	942	0.033	45.4
30,000	24.0	8.5	10.5	26.0	27.0	452	346	798	0.028	40.2
60,000	24.0	17.3	19.3	26.0	27.0	452	708	1,160	0.040	55.3
90,000	24.0	26.2	28.2	26.0	27.0	452	1,070	1,522	0.053	63.2
50,000	30.0	9.1	11.1	32.0	33.0	707	455	1,162	0.040	46.0
100,000	30.0	18.5	20.5	32.0	33.0	707	931	1,637	0.057	65.3
150,000	30.0	28.0	30.0	32.0	33.0	707	1,406	2,113	0.073	75.9

Notes: 1) Gravel Bed Porosity = 0.4, 2) Design Infiltration Rate = 1.5 in/hr



NOT TO SCALE

SPECIFICATIONS

2.0

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