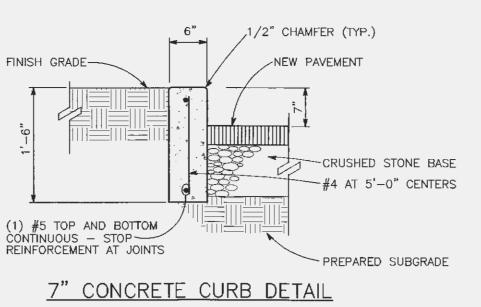


CONSTRUCTION SPECIFICATIONS

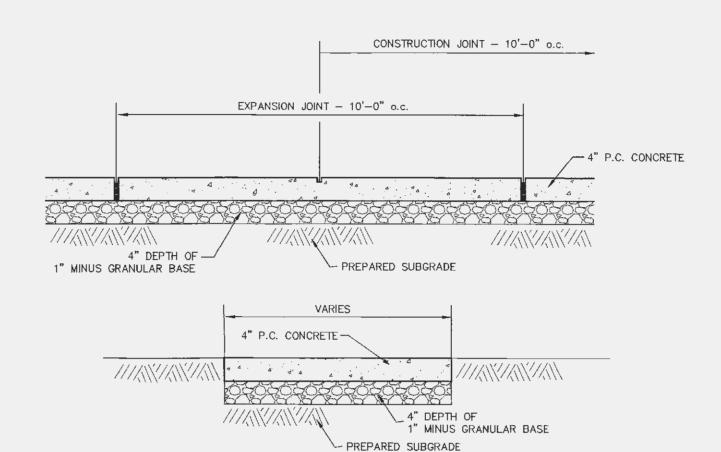
- 1. Stone Size Use 2" stone, or reclaimed or recycled concrete equivalent.
- 2. Length As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- 3. Thickness Not less than six (6) inches.
- 4. Width Twenty (20) foot minimum, but not less than the full width at points where ingress or egress
- 5. Filter Cloth Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot
- 6. Surface Water All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- 7. Maintenance The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights—of—way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights—of—way must be removed immediately.
- 8. Washing Wheels shall be cleaned to remove sediment prior to entrance onto public rights—of—way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA NOT TO SCALE



NOT TO SCALE (TO BE USED IF EXISTING CURB IS DAMAGED FROM CONSTRUCTION EQUIPMENT ANYWHERE ONSITE AND IF CURB IS DAMAGED AT

CONSTRUCTION ENTRANCE)



CONCRETE SIDEWALK DETAIL



SWPPP Cut Sheet Last Updated: 1-1-08

Section 1: Erosion and Sediment Control - Construction Activities 1.1 Filtrexx SiltSoxxTM Sediment & Perimeter Control Technology

PURPOSE & DESCRIPTION

Filtrexx SiltSoxxTM are a three-dimensional tubular sediment control and storm water runoff filtration device typically used for perimeter control of sediment and other soluble pollutants (such as phosphorus and petroleum hydrocarbons), on and around construction activities.

Filtrexx SiltSoxxTM are to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutants from runoff. SiltSoxx™ are effective when installed perpendicular to sheet or low concentrated flow. Acceptable applications include:

- Site perimeters
- Above and below disturbed areas subject to sheet runoff, interrill and rill crosion
- Above and below exposed and erodable slopes Around area drains or inlets located in a 'sump'
- On compacted soils where trenching of silt fence is difficult or impossible
- Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation. On frozen ground where trenching of silt fence is impossible.
- On paved surfaces where trenching of silt fence is impossible.

- 1. SiltSoxx^{nst} used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filtrexx Soxx^{nst} Material Specifications and use Certified Filtrexx FilterMedia™,
- Contractor is required to be Filtrexx CertifiedTM as determined by Filtrexx International, LLC (440-926-2607 or visit website at www.filtrexx.com).
 Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current listing can be found at www.filtrexx.com). Look for the Filtrexx CertifiedTM Seal.
- 3. SiltSoxx[™] will be placed at locations indicated on plans as directed by the Engineer.

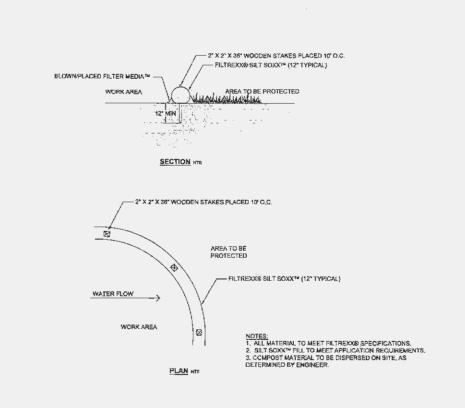
 4. SiltSoxx[™] should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second SiltSoxx[™] shall be constructed at the top of the slope.
- Stakes shall be installed through the middle of the SiltSoxx™ on 10 ft (3m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) wooden stakes. In the event staking is not possible, i.e., when SiltSoxx™ are used on pavement, heavy concrete blocks shall be used behind the SiltSoxx™ to help stabilize during rainfall/runoff events.
- 6. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.
 7. Loose compost may be backfilled along the upslope side of the SiltSoxx™, filling the seam between the soil surface and the device, improving filtration
- 8. If the SiltSoxx™ is to be left as a permanent filter or part of the natural landscape, it may be seeded at time of installation for establishment of
- permanent vegetation. The Engineer will specify seed requirements. Filtrexx SiltSoxx™ are not to be used in perennial, ephemeral, or intermittent streams See design drawing schematic for correct Filtrexx SiltSoxx™ installation (Figure 1.1).

INSPECTION and MAINTENANCE

Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regutating authority. SiltSoxxTM should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional SiltSoxxTM may be required to reduce effective slope length or sediment removal may be necessary. SiltSoxxTM shall be inspected until area above has been permanently stabilized and construction activity has ceased

The Contractor shall maintain the SiltSoxxTM in a functional condition at all times and it shall be routinely inspected. If the SiltSoxx[™] has been damaged, it shall be repaired, or replaced if beyond repair.

- The Contractor shall remove sediment at the base of the upslope side of the SiltSoxx™ when accumulation has reached 1/2 of the effective height of the SiltSoxxTM, or as directed by the Engineer. Alternatively, a new SiltSoxxTM can be placed on top of and slightly behind the original one creating more sediment storage capacity without soil disturbance.
- SiltSoxxTM shall be maintained until disturbed area above the device has been permanently stabilized and construction activity has ceased. 5. The FilterMedia Mill be dispersed on site once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by
- 6. For long-term sediment and pollution control applications, SiltSoxxTM can be seeded at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants (contained vegetative filter strip). The appropriate seed mix shall be determined



FILTREXX® SILT SOXX™

Slope Percent	8 in (200 mm) SiltSoxx ^{im}	12 in (300 mm) SiltSoxx tm	18 in (450 mm) SiltSoxx tm	24 in (600mm) SiltSoxx ^{im}	32 in (800mm) SiltSoxx ^{lm}
	7 in (175 mm)**	10 in (250 mm) **	15 in (375 mm) **	20 in (500 mm) **	26 in (650 mm) **
2 (or less)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)
30	60 (18)	75 (23).	90 (27)	130 (40)	200 (60)
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)

constant head from runoff as determined by Ohio State University.

Figure 2.1. Engineering Design Drawing for Curb and Drain InletSoxxTM

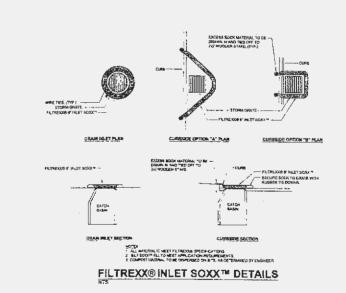
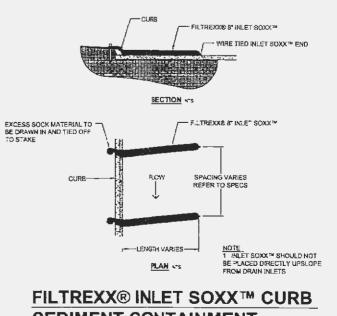


Figure 2.2. Engineering Design Drawing for Curb Sediment Containment InletSoxxTM

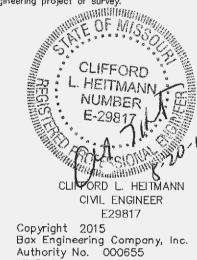


SEDIMENT CONTAINMENT

		t Containment Syst		
Grade (%)	Spacing (ft)	Spacing (m)		
0.5	100	30		
1.0	50	15		
2.0	25	8		
3.0 _	16	5		
4.0	13	1		
5.0	10	3		
	Source: Fifield, 20	001		



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