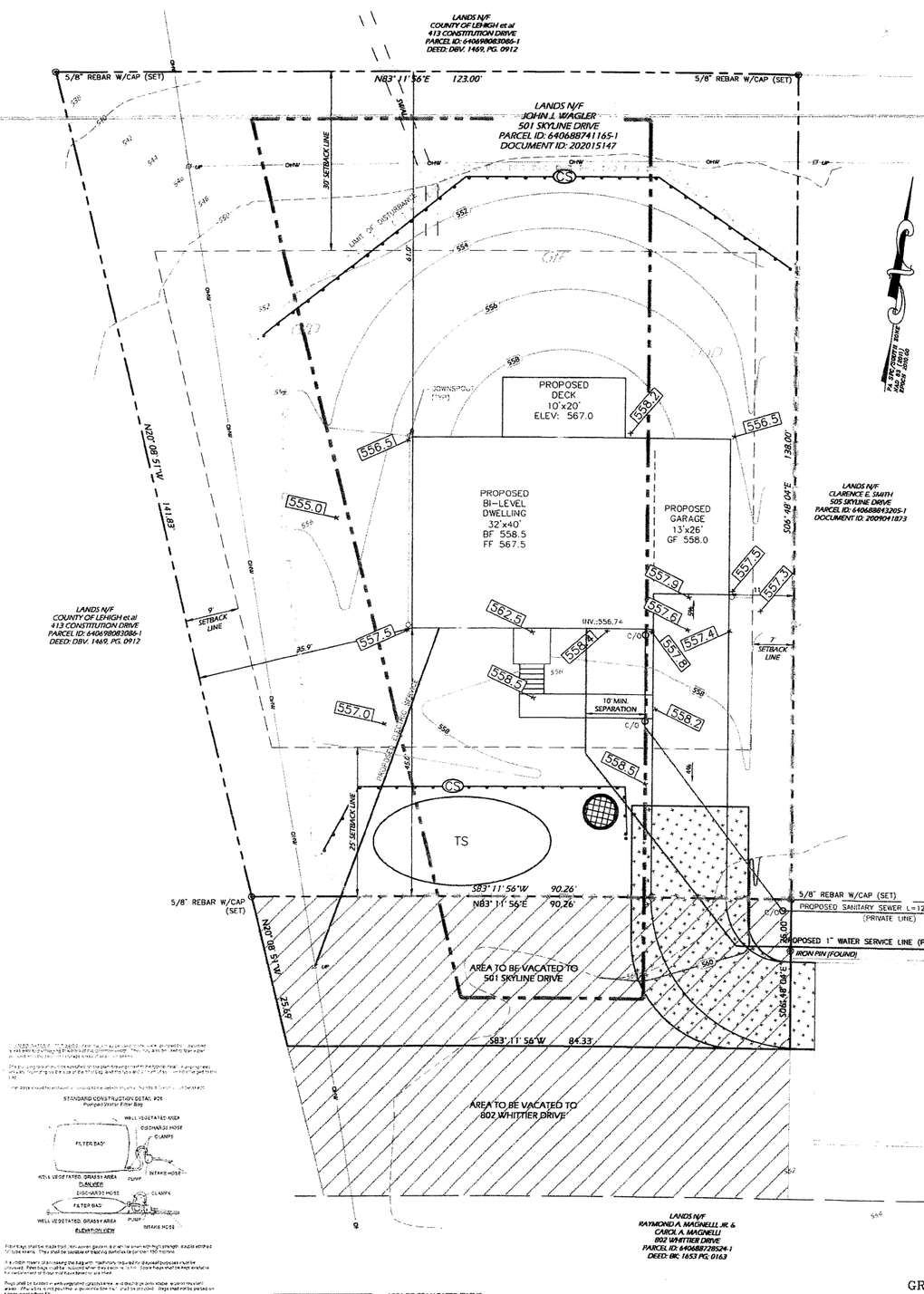
Arthur A. Swallow Associates, LLC

AASA Land Surveyors

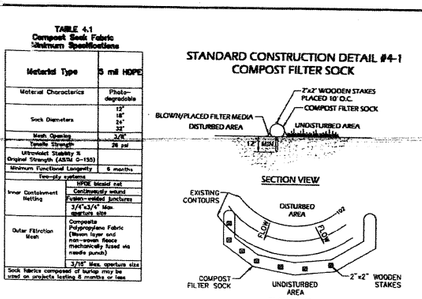


PUMPED WATER FILTER BAG DETAIL
(NOT TO SCALE)

TABLE 4.1
Compost Sock Fabric
Minimum Specifications

Material Type	5 mil HDPE
Material Characteristics	Photo-degradable
Sock Diameters	12" 18" 24"
Mesh Opening	3/8"
Tensile Strength	25 psi
Ultraviolet Stability (% Original Strength (ASTM D-4355)	
Minimum Functional Longevity	6 months
Seam-strength options	
Inner Containment Netting	HDPE biaxial net Continuously sewn Hand-sewn junctions
Outer Filtration Mesh	3/16"x3/16" Max. aperture size Composite Polypropylene Fabric (Woven layer and non-woven fleece bonded layer, needle punched via needle punch) 3/16" Max. aperture size
Sock fabrics composed of burlap may be used on projects lasting 6 months or less	

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK



Sock fabric shall meet standards of Table 4.2 Compost shall meet the following standards

Compost Filter Sock shall be placed at existing level grade. Both ends of the sock shall be extended at least 8 feet up slope at 45 degrees to the main sock alignment (see Figure 4.1). maximum slope length above any sock shall not exceed that shown on Figure 4.2.

traffic shall not be permitted to cross filter socks.

Accumulated sediment shall be removed when it reaches 1/2 the above ground height of the sock and disposed in the manner described elsewhere in the plan.

Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

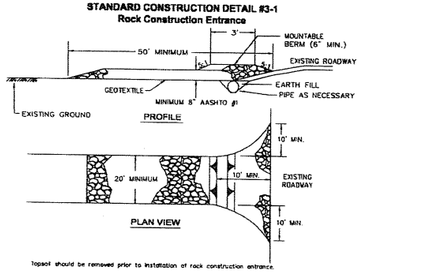
Biodegradable filter sock shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to the manufacturer's recommendations.

Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

TABLE 4.2
COMPOST STANDARDS

Organic Matter Content	25% – 100% (dry weight basis)
Organic Portion	Fibrous and Elongated
pH	5.5 – 8.5
Moisture Content	30% – 60%
Particle Size	98% Below 2" & 30-50% Below 3/8"
Soluble Salt Concentration	5.0 dS maximum

STANDARD CONSTRUCTION DETAIL #3-1
Rock Construction Entrance



Topsoil should be removed prior to installation of rock construction entrance.

Extend rock over full width of entrance.

Runoff shall be diverted from roadway to suitable sediment removal BMP prior to entering rock construction entrance.

Mountable berm shall be installed wherever optional culvert is used. Pipe to be sized appropriately for size of ditch being crossed

MAINTENANCE: Rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained on site for this purpose. All sediment deposited on paved roadways shall removed and returned to the construction site immediately. If excessive amounts of sediment are being deposited on roadway, extend length of rock construction entrance by 50 feet. Increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewer, culverts, or other drainageways is not acceptable.

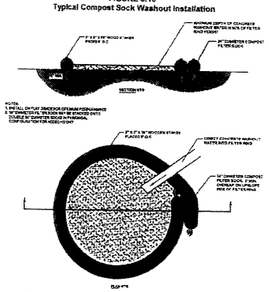
LEGEND

	PROPERTY LINE
	ADJOINER PROPERTY LINE
	BUILDING SETBACK LINE
x	EXISTING FENCE
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	EXISTING SOILS BOUNDARY
S	EXISTING SANITARY LINE
W	EXISTING WATER LINE
OHW	OVERHEAD WIRES
	UTILITY POLE
	EXISTING TREE
	IRON PIN, PIPE, RAILROAD SPIKE FOUND (UNLESS NOTED OTHERWISE)
650	PROPOSED BUILDING OUTLINE
650	PROPOSED CONTOUR MAJOR
652	PROPOSED CONTOUR MINOR
S	PROPOSED SANITARY LINE
W	PROPOSED WATER LINE
	5/8" REBAR W/CAP SET

E&S LEGEND

TS	TOPSOIL STOCKPILE
CS	18" COMPOST FILTER SOCK
	ROCK CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT
	LIMIT OF DISTURBANCE: 9.942 SF./ 0.2213 ACRES

FIGURE 3.18
Typical Compost Sock Washout Installation



A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.
Adapted from Filtrexx.

Concrete Washout - For any project on which concrete will be poured or otherwises formed on site, a suitable washout facility must be provided for the cleaning of chutes, mixers, and hoppers of the delivery vehicles unless such a facility will be used at the source of the concrete. Under no circumstances may wash water from these vehicles be allowed to enter any surface waters. Make sure that proper signage is provided to drivers so that they are aware of the presence of washout facilities.

Washout facilities should not be placed within 50 feet of storm drains, open ditches or surface waters. They should be in a convenient location for the trucks, preferably near the place where the concrete is being poured, but far enough from other vehicular traffic to minimize the potential for accidental damage or spills. Wherever possible, they should be located on slopes not exceeding a 2% grade.

Maintenance - all concrete washout facilities should be inspected daily, damage or leaking washouts should be deactivated and repaired or replaced.

Accumulated materials shall be removed when they reach 75% capacity.

Plastic liners should be replaced with each cleaning of the washout facility.

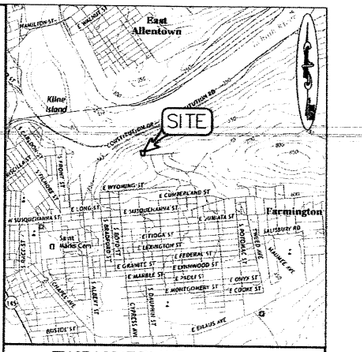
ZONING DATA:

ZONING DISTRICT: R-L - LOW DENSITY RESIDENTIAL

	REQUIRED RESIDENTIAL USE	PROVIDED RESIDENTIAL USE
MINIMUM LOT AREA:	7,200 SQ. FEET	14,715 SQ. FEET
MINIMUM LOT WIDTH:	60 FEET	90+ FEET
FRONT YARD SETBACK:	25 FEET	25 FEET
REAR YARD SETBACK:	30 FEET	30 FEET
SIDE YARD SETBACK:	7, TOTAL: 16 FEET	16 FEET
MAXIMUM BUILDING COVERAGE:	30%	<30%
MAXIMUM HEIGHT:	35 FEET	<35 FEET

BUILDING & IMPERVIOUS CALCULATIONS:

NET LOT AREA:	14,715 Sq. Ft./0.3378 Ac. NET
BUILDING COVERAGE:	1,618 Sq.Ft. - 11.0%
DRIVEWAY COVERAGE:	662 Sq.Ft. - 4.5%
SIDEWALK COVERAGE:	144 Sq.Ft. - 1.0%
TOTAL IMPERVIOUS COVERAGE:	2,853 Sq.Ft - 16.5%


East Allentown
Kline Island
SITE
Fairmington
E WYOMING ST
E CUMBERLAND ST
E SUSQUEHANNA ST
E LORAIN AVE
E LONG ST
E FOURTH ST
E LEXINGTON ST
E CARNETT ST
E MARBLE ST
E HAMILTON ST
E ALLEN ST
E MONTGOMERY ST
E CRANE ST
E EXCHANGE PL
E EXCHANGE ST
E EXCHANGE AVE
E EVERHARD ST
E HOWARD ST
E JACKSON ST
E CRANE ST
E CRANE AVE
E GORGAS LA
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