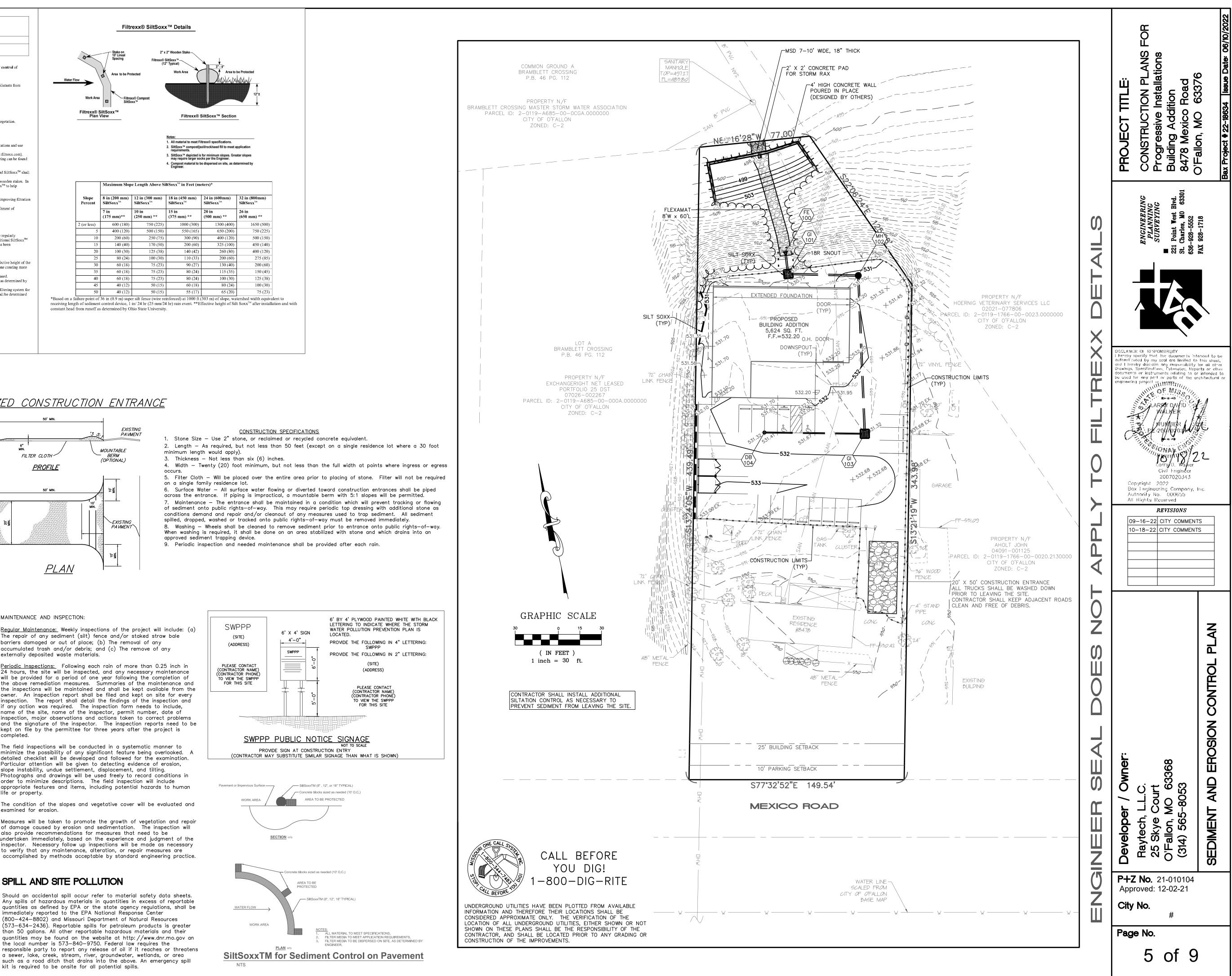


INSPECTION and MAINTENANCE Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. SiltSoxxTM should be regularly

by the Engineer.

inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional SilfSoxxTM may be required to reduce effective slope length or sediment removal may be necessary. SilfSoxxTM shall be inspected until area above has been permanently stabilized and construction activity has ceased The Contractor shall maintain the SittSoxx[™] in a functional condition at all times and it shall be routinely inspected.

- If the SilfSoxxTM 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 SilfSoxxTM 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. SilfSoxx[™] shall be maintained until disturbance.
 SilfSoxx[™] shall be maintained until disturbed area above the device has been permanently stabilized and construction activity has ceased.
 The FilterMedia[™] will 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

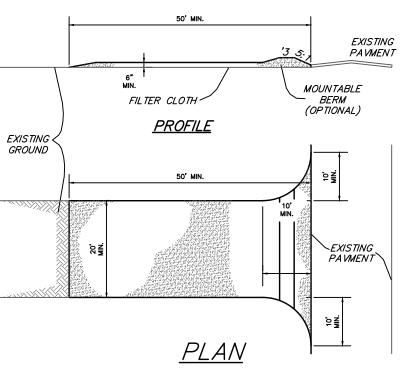


| | Maximum Slope Length Above SiltSoxx tm in Feet (meters)* | | | | | |
|------------------|---|--|--|---|------------------|-------------|
| Slope Percent | 8 in (200 mm) SiltSoxx tm 7 in (175 mm)** | 12 in (300 mm) SiltSoxx tm 10 in (250 mm) ** | 18 in (450 mm) SiltSoxx tm 15 in (375 mm) ** | 24 in (600mm) SiltSoxx tm 20 in (500 mm) ** | 3 8 2 (| |
| | | | | | | 2 (or less) |
| 5 | 400 (120) | 500 (150) | 550 (165) | 650 (200) | 1 | |
| 10 | 200 (60) | 250 (75) | 300 (90) | 400 (120) | | |
| 15 | 140 (40) | 170 (50) | 200 (60) | 325 (100) | | |
| 20 | 100 (30) | 125 (38) | 140 (42) | 260 (80) | Γ | |
| 25 | 80 (24) | 100 (30) | 110 (33) | 200 (60) | | |
| 30 | 60 (18) | 75 (23) | 90 (27) | 130 (40) | | |
| 35 | 60 (18) | 75 (23) | 80 (24) | 115 (35) | | |
| 40 | 60 (18) | 75 (23) | 80 (24) | 100 (30) | | |
| 45 | 40 (12) | 50 (15) | 60 (18) | 80 (24) | 1 | |
| 50 | 40 (12) | 50 (15) | 55 (17) | 65 (20) | 1 | |

VEGETATION ESTABLISHMENT For Urban Development Sites <u>APPENDİX A</u> SEEDING RATES:

- PERMANENT: Tall Fescue - 30 lbs./ac. Smooth Brome — 20 lbs./ac. Combined - Fescue @ 15 lbs./ac. AND Brome @ 10 lbs./ac.
- <u>TEMPORARY:</u> Wheat or Rye 150 lbs./ac. (3.5 lbs. per 1,000 s.f.)
- Oats 120 lbs./ac. (2.75 lbs. per 1,000 s.f) <u>SEEDING PERIODS:</u> Fescue or Brome — March 1 to June 1
- August 1 to October 1 Wheat or Rye - March 15 to November 1 Oats - March 15 to September 15
- MULCH RATES: 100 lbs. per 1,000 sq. ft. (4,356 lbs. per ac.) FERTILIZER RATES:
- Nitrogen 30 lbs./ac Phosphate 30 lbs./ac.
- Potassium 30 lbs./ac. Lime 600 lbs./ac. ENM*
- * ENM = effective neutralizing material as per State evaluation of quarried rock.

STABILIZED CONSTRUCTION ENTRANCE



Storm Water Pollution Prevention Plan

A. PURPOSE:

- The purpose of the Storm Water Pollution Prevention Plan (SWPPP) is to inform the Developer/Contractor of the following objectives they are required to meet:
- Prevent erosion where construction activities shall occur.
- Prevent pollutants from mixing with storm water. - Prevent pollutants from being discharged by trapping them on-site, before they can affect the receiving waters.
- All regulations of Missouri Department of Natural Resources are met.
- All regulations of the Environmental Protection Agency are met. - All regulations of the local municipality are met.
- PROJECT DESCRIPTION:

The project is located in the Belleau Creek watershed in St. Charles County, Missouri. This project disturbs approximately 0.64 acres. The project activities consist of the construction of a building addition

- and installing pavement over existing gravel parking. The site will be protected by the various erosion protection measures listed below: 1. Siltation Control: The entire perimeter of the project that allows
- storm water to exit will have silt siltation control installed. Details of these devices are depicted on the detail plans prepared by Bax Engineering Company, Inc.
- 2. Revegetation: The site will consist of varying ground slopes, upon completion of the grading activities the slope prone to erosion will be seeded and strawed to stabilize the slope and prevent erosion.

Table 60-5 Soil Stabilization Schedule

| Soil Disturbance Activity or Condition | Required Stabilization Time |
|---|-----------------------------------|
| Soil disturbance has ceased in areas greater than 2,000 square feet. | 14 days |
| After construction of dikes, swales, diversions, and other concentrated flow areas | 5 days |
| When slopes are steeper than 3 horizontal to1 vertical | 7 days |
| When slopes are greater than 3% and longer than 150 feet. | 14 days |
| Perimeter controls around soil stockpiles. | End of workday |
| Stabilization or covering of inactive stockpiles. | 30 days |
| When land disturbance is completed, permanent soil stabilization must be installed. | 30 days |

C. MAINTENANCE AND INSPECTION:

Regular Maintenance: Weekly inspections of the project will include: (a) The repair of any sediment (silt) fence and/or staked straw bale barriers damaged or out of place; (b) The removal of any accumulated trash and/or debris; and (c) The remove of any externally deposited waste materials.

Periodic Inspections: Following each rain of more than 0.25 inch in 24 hours, the site will be inspected, and any necessary maintenance will be provided for a period of one year following the completion of the above remediation measures. Summaries of the maintenance and the inspections will be maintained and shall be kept available from the owner. An inspection report shall be filed and kept on site for every inspection. The report shall detail the findings of the inspection and if any action was required. The inspection form needs to include, name of the site, name of the inspector, permit number, date of inspection, major observations and actions taken to correct problems and the signature of the inspector. The inspection reports need to be kept on file by the permittee for three years after the project is completed.

The field inspections will be conducted in a systematic manner to minimize the possibility of any significant feature being overlooked. A detailed checklist will be developed and followed for the examination. Particular attention will be given to detecting evidence of erosion, slope instability, undue settlement, displacement, and tilting. Photographs and drawings will be used freely to record conditions in order to minimize descriptions. The field inspection will include appropriate features and items, including potential hazards to human life or property.

The condition of the slopes and vegetative cover will be evaluated and examined for erosion.

of damage caused by erosion and sedimentation. The inspection will also provide recommendations for measures that need to be undertaken immediately, based on the experience and judgment of the inspector. Necessary follow up inspections will be made as necessary to verify that any maintenance, alteration, or repair measures are accomplished by methods acceptable by standard engineering practice.

SPILL AND SITE POLLUTION

Should an accidental spill occur refer to material safety data sheets. Any spills of hazardous materials in quantities in excess of reportable quantities as defined by EPA or the state agency regulations, shall be immediately reported to the EPA National Response Center (800-424-8802) and Missouri Department of Natural Resources (573-634-2436). Reportable spills for petroleum products is greater than 50 gallons. All other reportable hazardous materials and their quantities may be found on the website at http://www.dnr.mo.gov an the local number is 573-840-9750. Federal law requires the responsible party to report any release of oil if it reaches or threatens a sewer, lake, creek, stream, river, groundwater, wetlands, or area such as a road ditch that drains into the above. An emergency spill

