

**SILTATION CONTROL NOTES**

1. Installation of all sediment and erosion control shall be implemented as the first step of grading and within two (2) days of any removal of existing vegetation or improvements.
2. Inspection of siltation control shall take place at least once every seven (7) days and within 24 hours of any rain event. Any repairs required shall begin immediately of the root zone. A written report shall be submitted to the City of O'Fallon within seventy two (72) hours of storm event.
3. A Missouri State Operating Permit that specifically identifies the site must be obtained from the Missouri Department of Natural Resources prior to any clearing, grubbing or grading that results in destruction.
4. The contractor shall keep and maintain records of all siltation control inspections, repairs, installation or relevant activities on the jobsite or main office for a period of three years. These records shall be available for inspection by Missouri Department of Natural Resources or local authorities having jurisdiction.
5. All disturbed areas which remain unworked for 30 days or more shall be stabilized with seeding and mulching per appendix A or per the project specifications whichever is more stringent. If seasonal conditions prohibit seeding or mulching, matting shall be installed.
6. All slopes or drainage channels, once constructed to final grade shall be seeded and mulched or otherwise stabilized within 7 days. Every effort shall be made to prevent erosion in these areas.
7. Silt fences inlet protection devices shall be installed immediately around each inlet once inlet construction is completed.
8. All siltation control devices shall remain in place until upslope areas have been permanently stabilized.

**Bale Maintenance:**

1. Bales shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.
2. Close attention shall be paid to the repair of damaged straw bale barriers, end runs and barrier undercutting.
3. Should straw bales decompose or become ineffective prior to the end of construction and are still necessary, the straw bales shall be promptly replaced.
4. Sediment deposits shall be removed after each rainfall. They must be removed when the level of deposition reaches approximately one - half of the height of the barrier.
5. Any sediment deposits remaining in place after the straw bale barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.

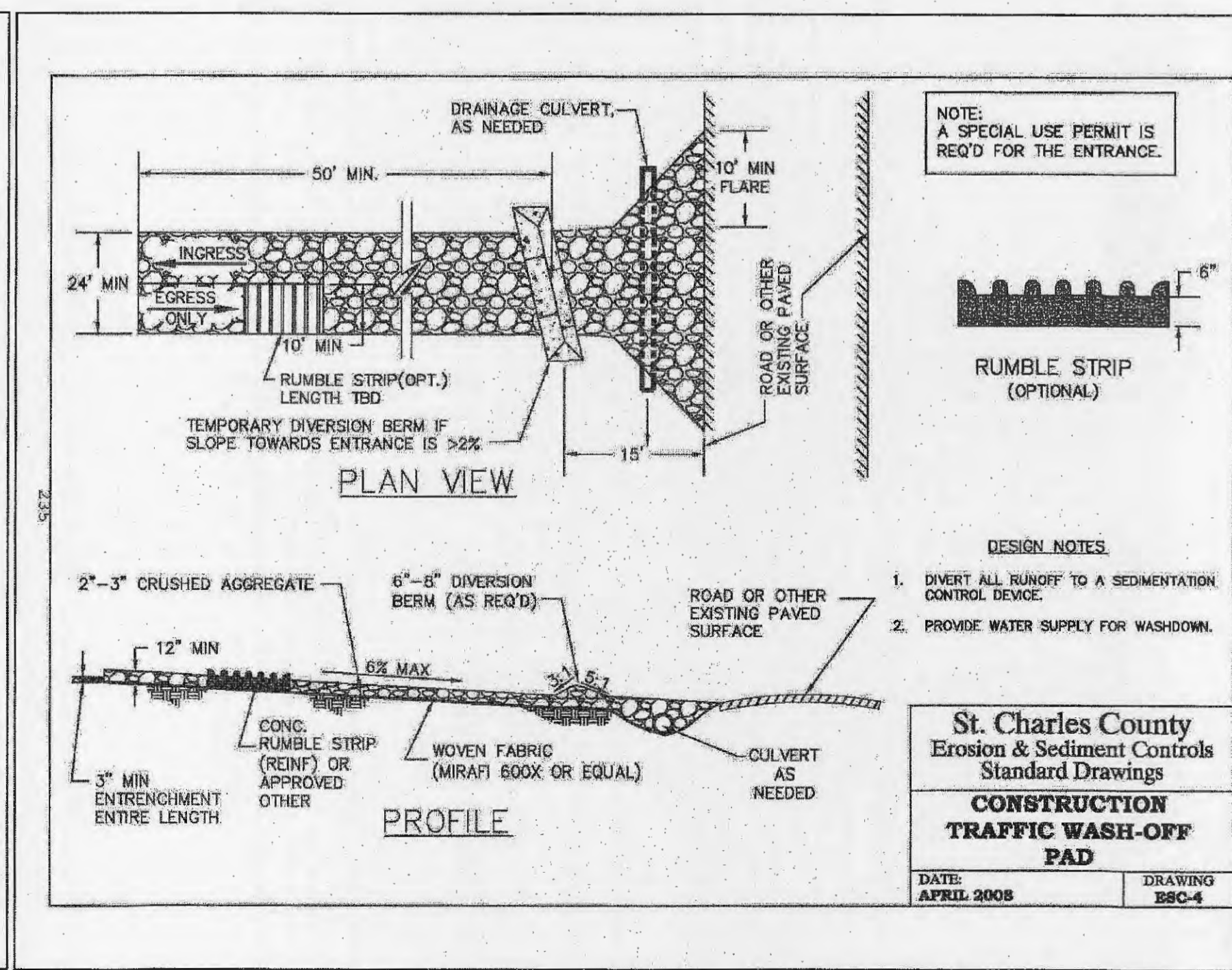
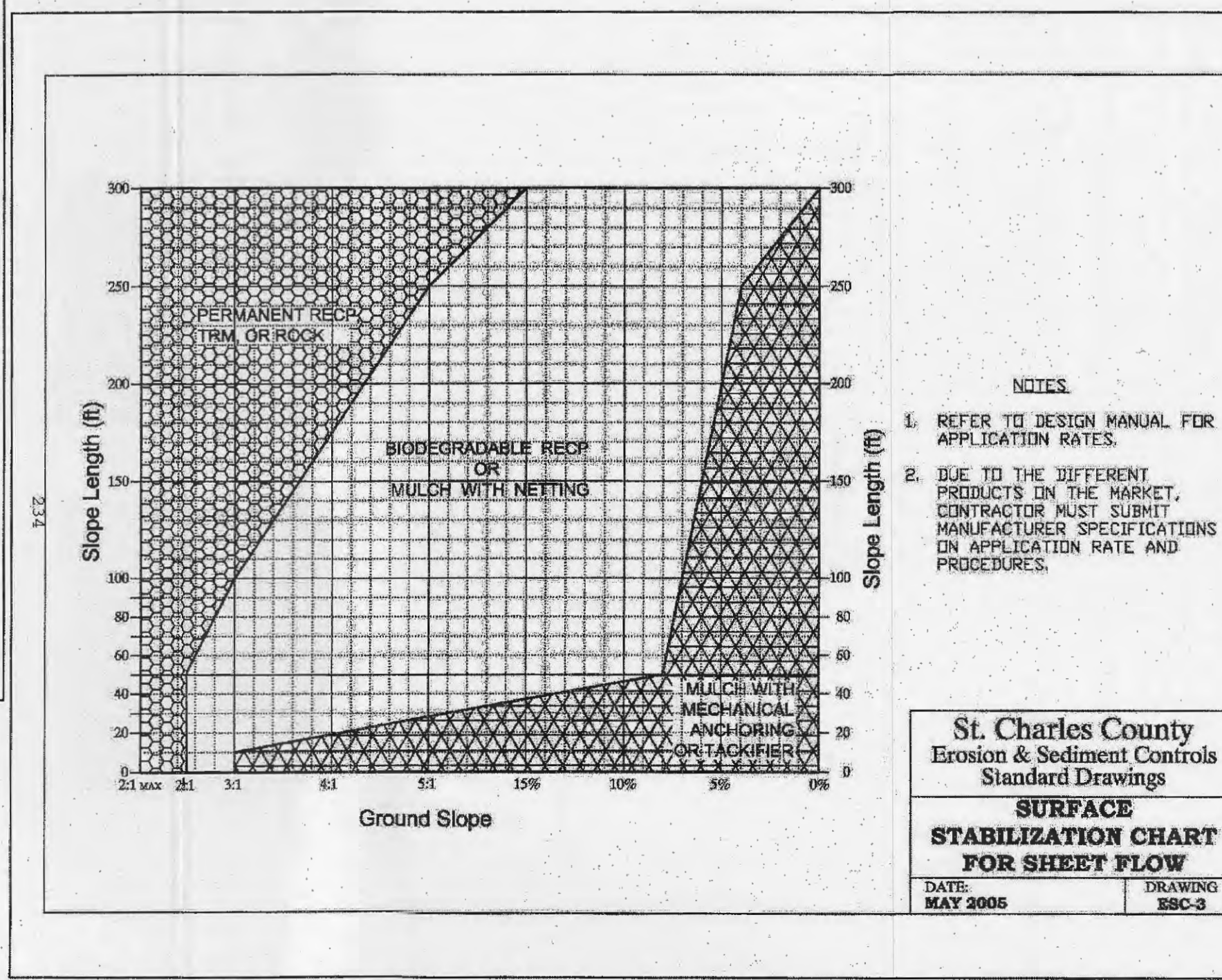
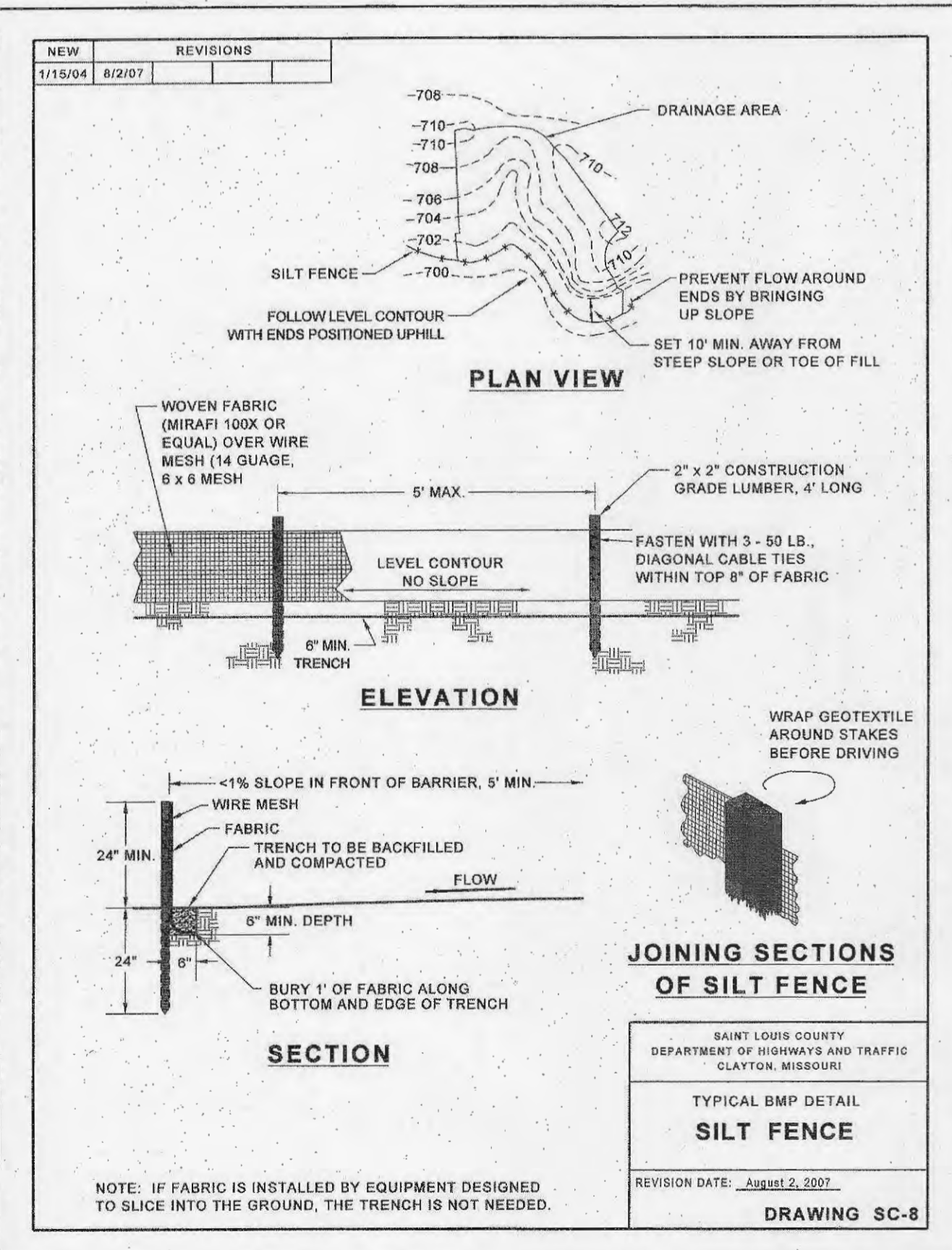
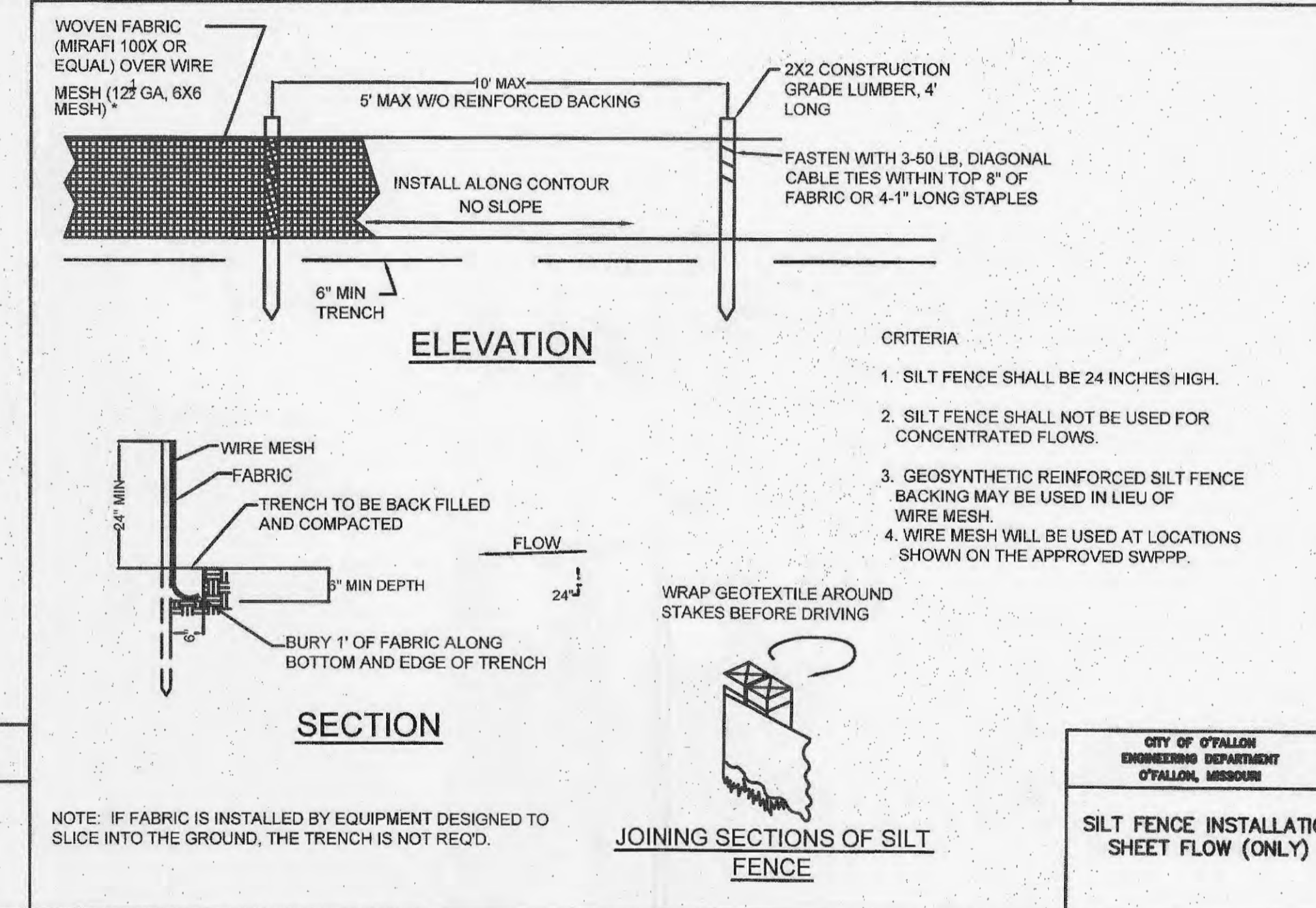
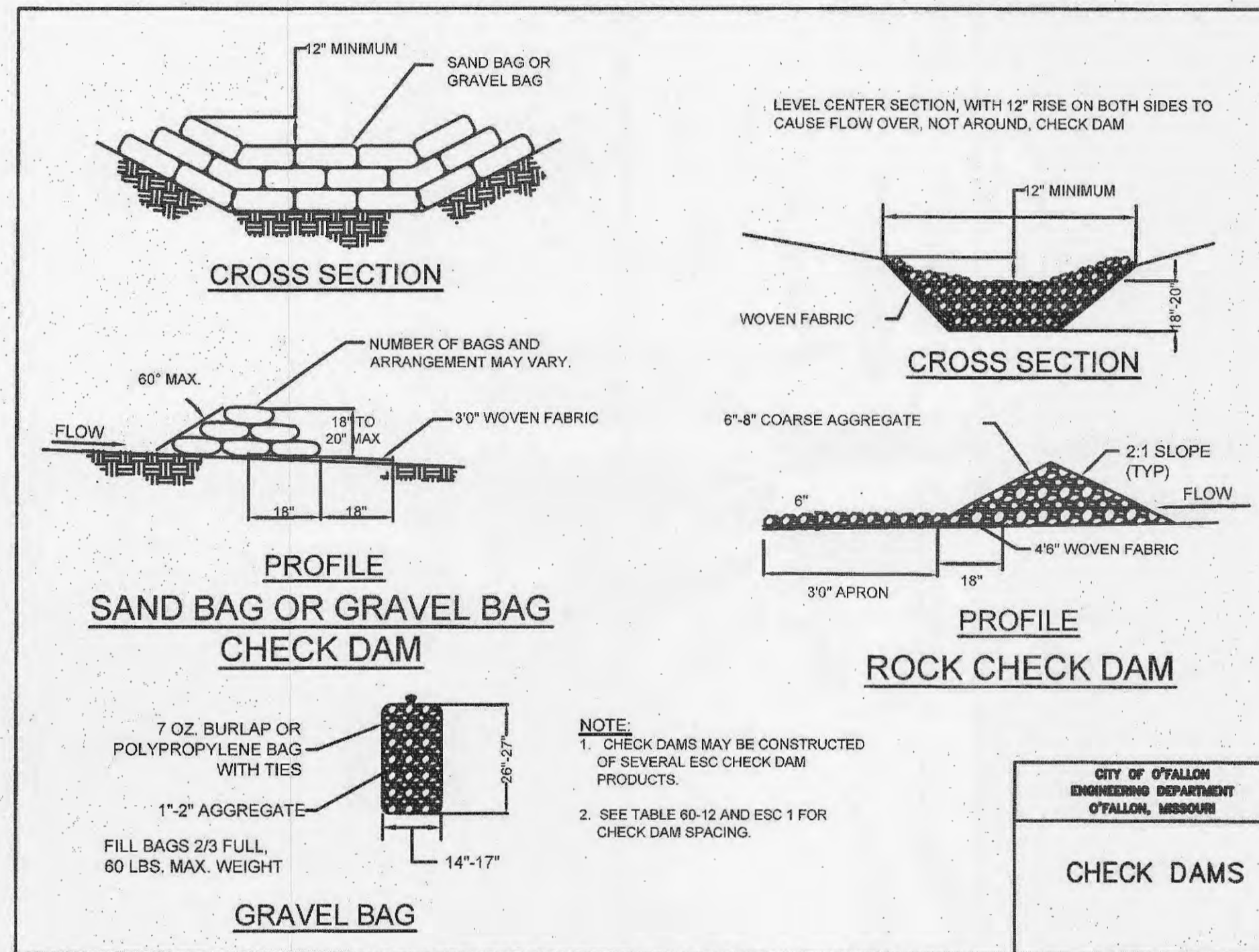
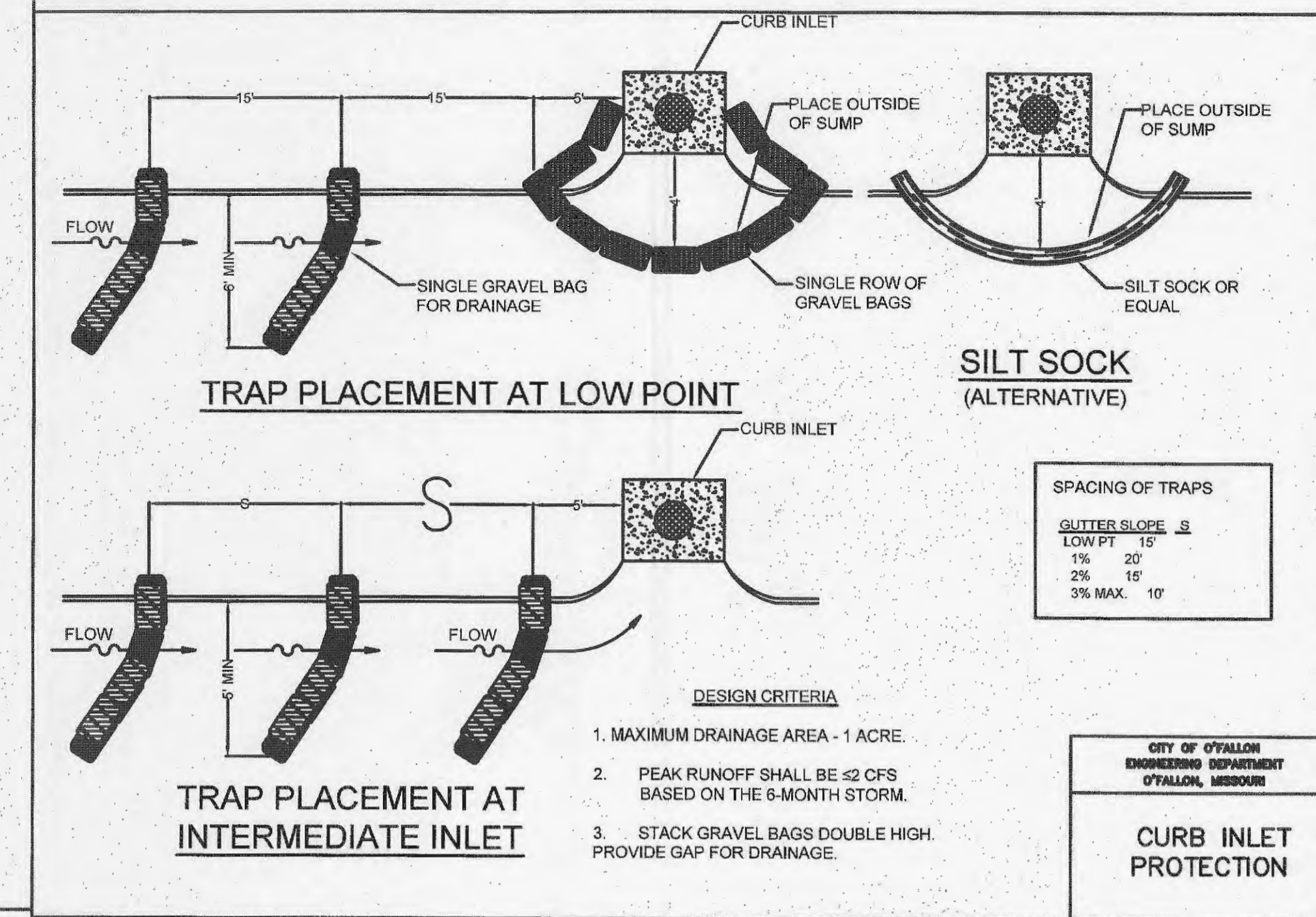
**BALE SILTATION CONTROL SPECIFICATIONS**

**Sheet Flow Applications:**

1. Bales shall be placed in a single row, lengthwise on the contour, with both ends of adjacent bales tightly abutting one another.
2. All bales shall either be wire bound or string tied. Straw bales shall be installed so that the bindings are oriented around the sides rather than along the tops and bottoms of the bales to prevent deterioration of the bindings.
3. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of the bale and the length of the barrier a minimum of 6 inches. After the bales are staked and chinked, the excavated material shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4 inches against the uphill side.
4. Each bale shall be securely anchored by at least two stakes driven through bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes shall be driven deep enough into the ground to securely anchor the bales.
5. The gaps between the bales shall be chinked with straw to prevent water from escaping between the bales. Loose straw scattered over the area immediately uphill from a straw bale barrier tends to increase barrier efficiency.
6. Inspection shall be frequent and repair or replacement shall be made as promptly as needed.
7. Straw bale barriers shall be removed when they have served their usefulness but not before upslope areas have been stabilized.

**Silt Fence Maintenance:**

1. Silt fence shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.
2. Close attention shall be paid to the repair of damaged silt fence barriers, end runs and barrier undercutting.
3. Should silt fence become ineffective prior to the end of construction and are still necessary, the straw bales shall be promptly replaced.
4. Sediment deposits shall be removed after each rainfall. They must be removed when the level of deposition reaches approximately one - half of the height of the fence.
5. Any sediment deposits remaining in place after the silt fence barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.



**PCE PROJECT NO. 141201**

**REVISIONS:**

NO.	DESCRIPTION	INITIALS	DATE
1	CITY NO. ADDED	MWN	4-23-14

**PROJECT TITLE**

**SANITARY SEWER EXTENSION PLANS**

**PREMIER CIVIL ENGINEERING**

308 TCW Court  
Lake Saint Louis, MO 63367  
Phone: (314) 925-7444 Fax: (314) 925-7457  
Missouri Certificate of Authority # E-2011000031  
Missouri Certificate of Authority # LS-2012007849

**ENGINEERS AUTHENTICATION**

The responsibility for professional engineering liability on this project is hereby limited to the seal of stamp authenticated by the seal, signature, and date hereon attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions other than those noted hereon.

**STEVE MARION P.E.**  
ENGINEER  
PC200007196

**STATE OF MISSOURI**  
STEVE MARION  
NUMBER PE200007196  
PROFESSIONAL ENGINEER

**Developer / Owner Information**

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1095 EAGLE BEND DR.  
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(314) 378-8180

**EROSION CONTROL DETAILS**

**City of O'Fallon Engineering Department**

**City No. 14-131A**

**Sheet Number: 4**

**P&Z No. N.A.**

**PCE PROJECT NO. 141201**

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**NOTE**

Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction.

