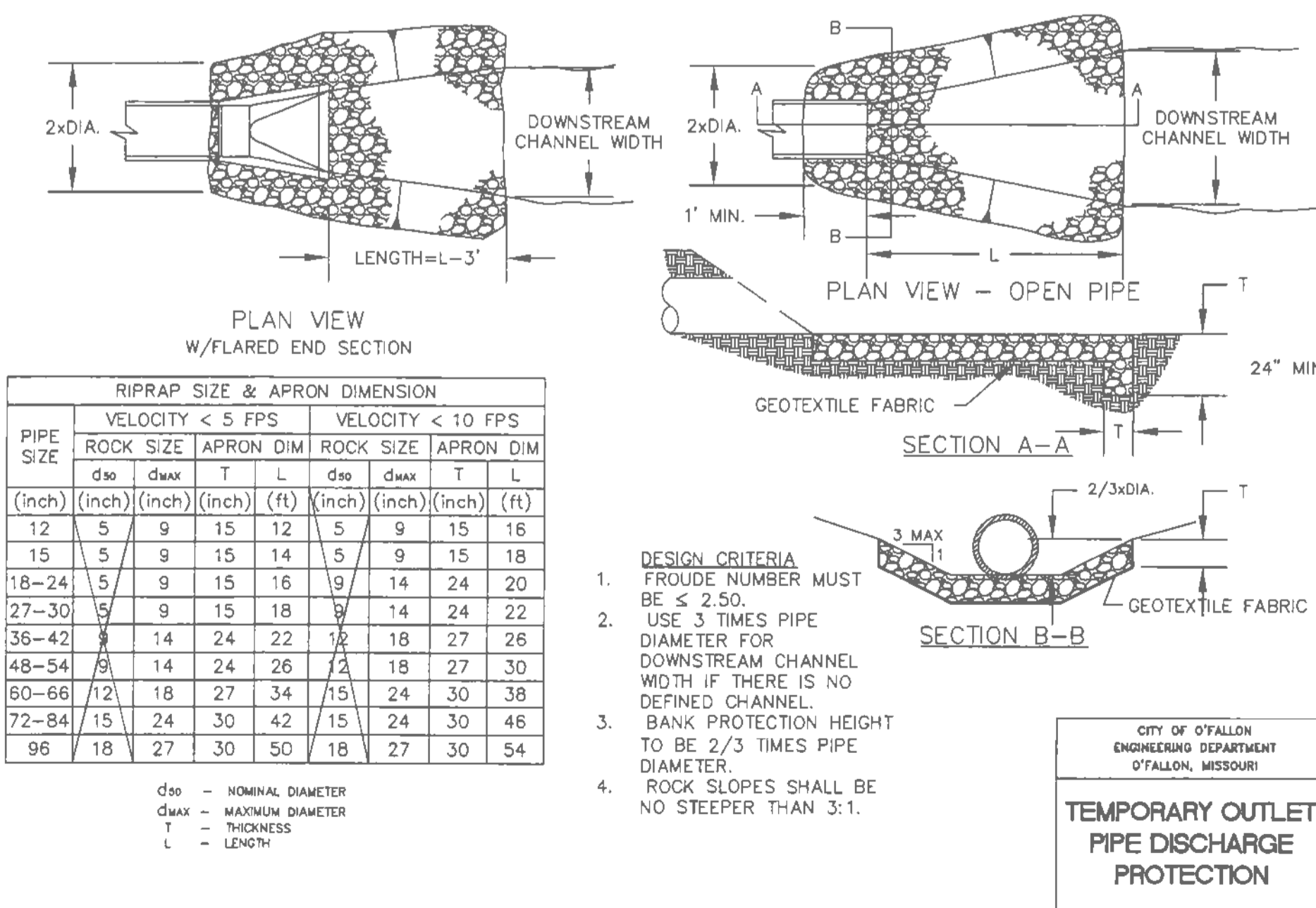
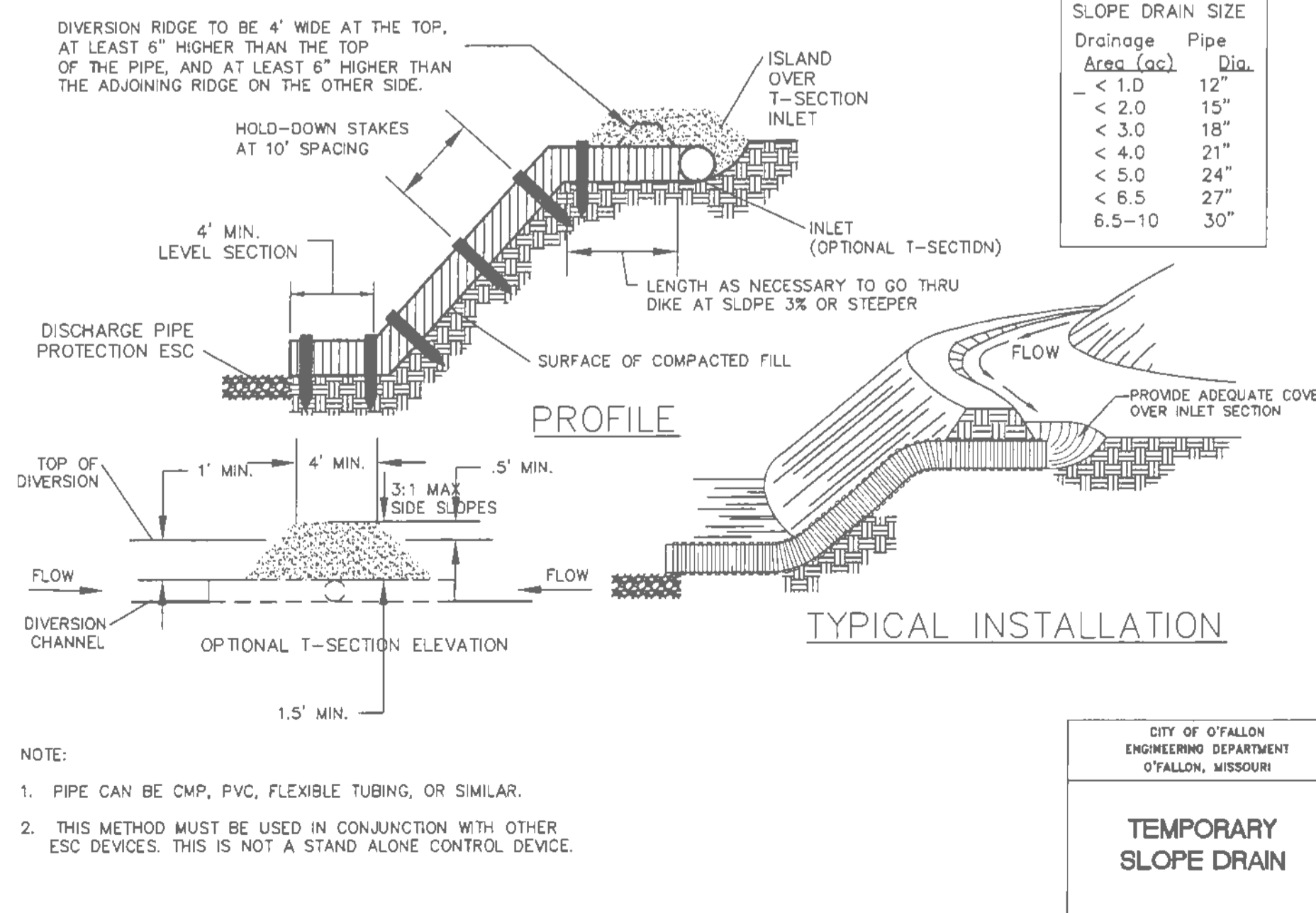
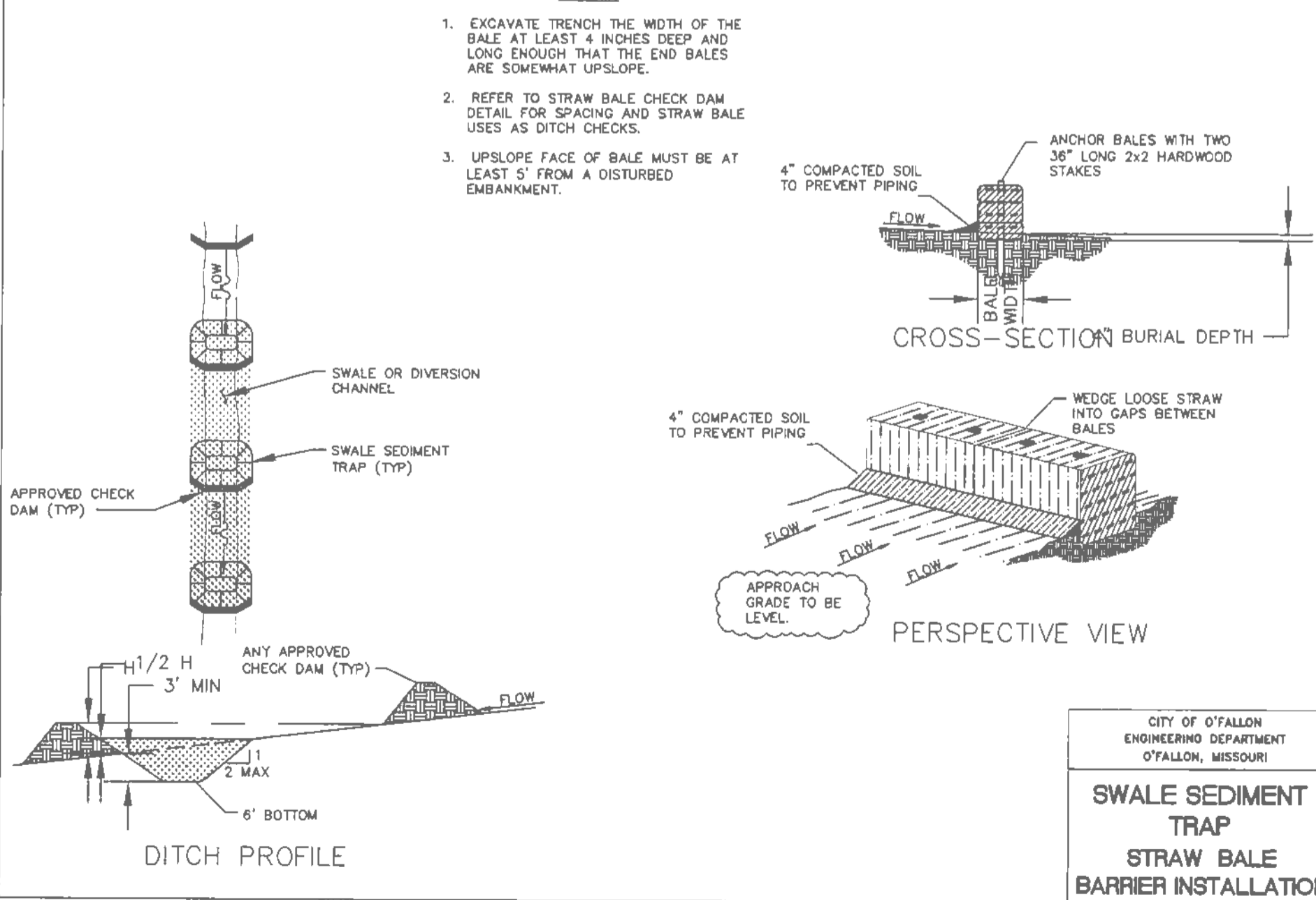
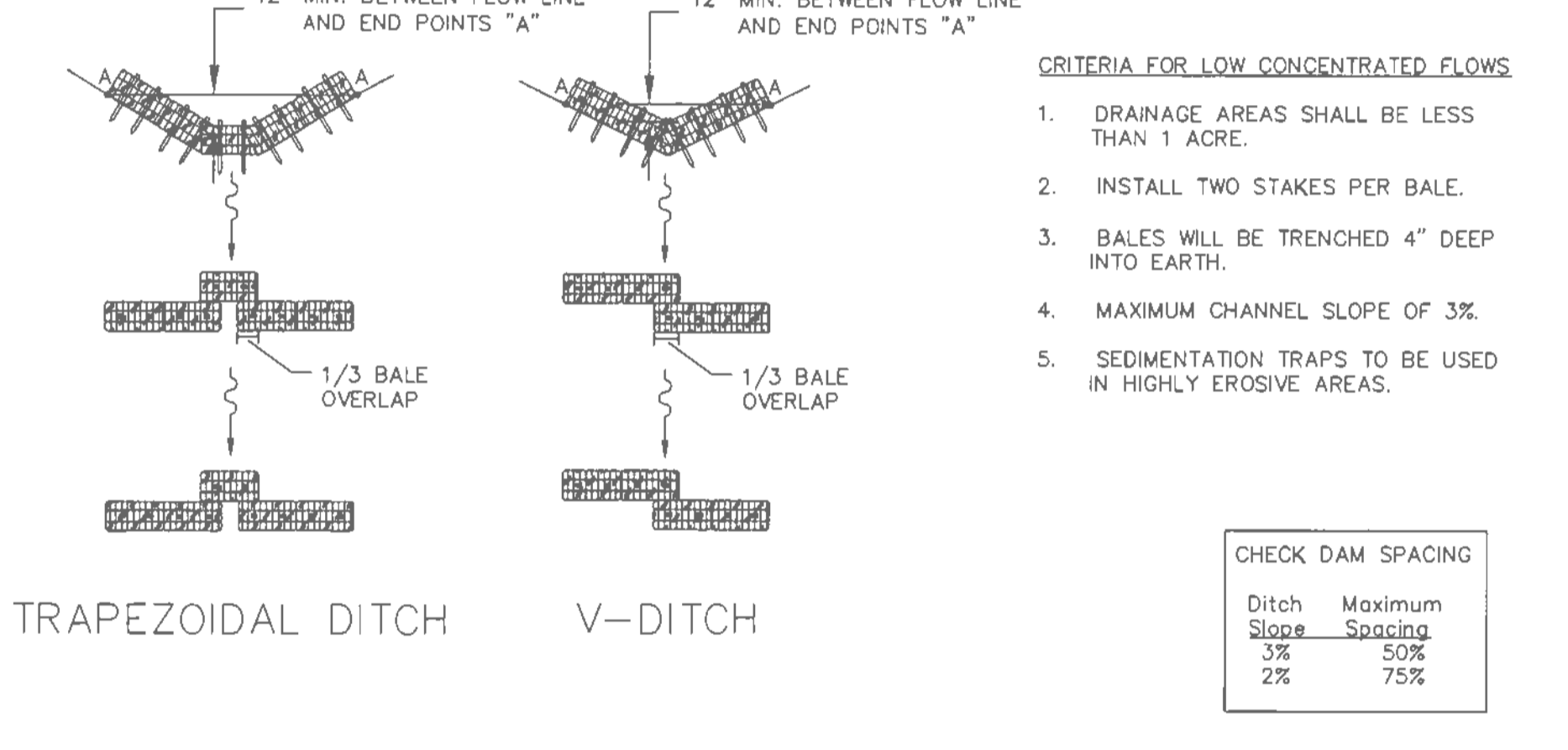
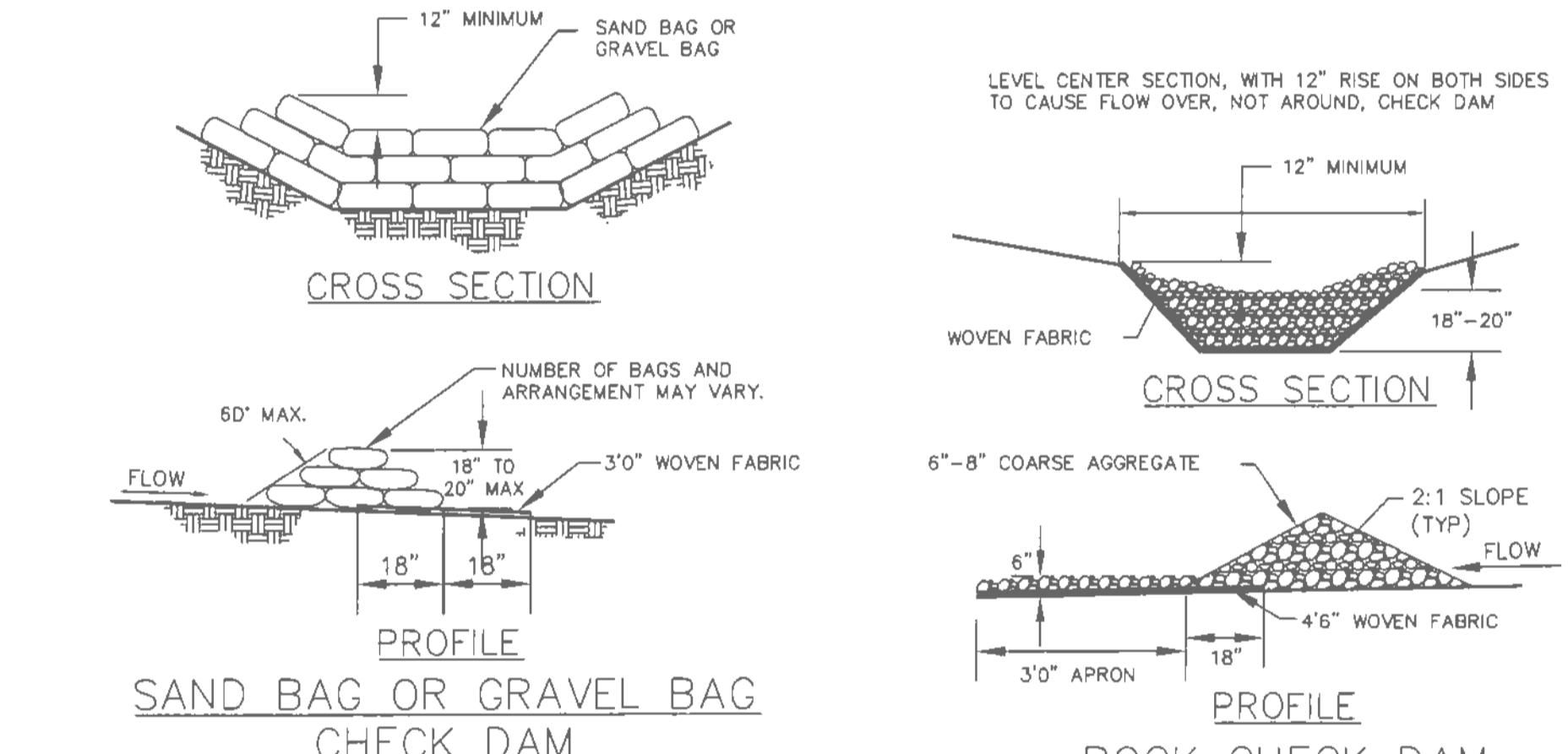
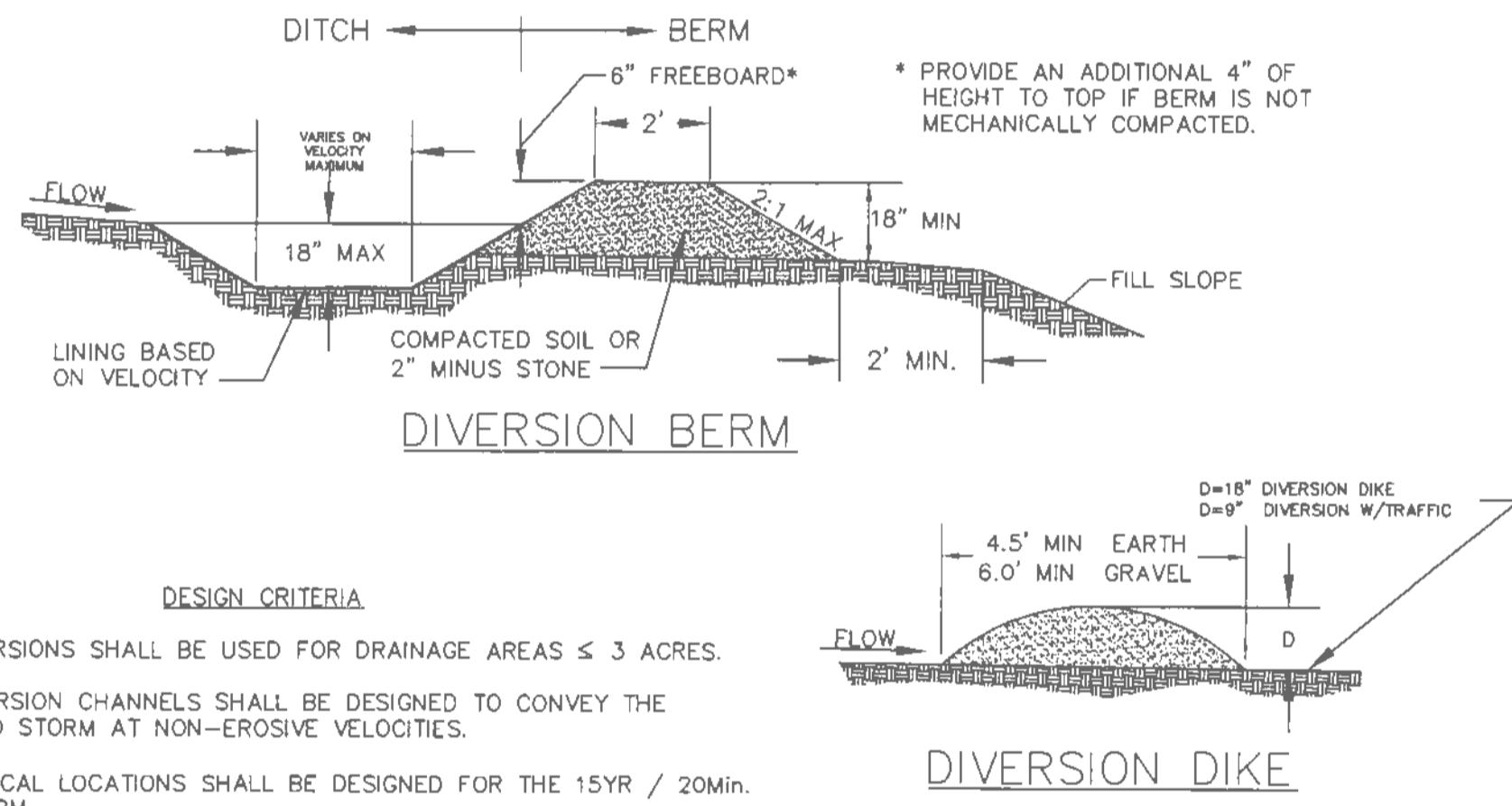
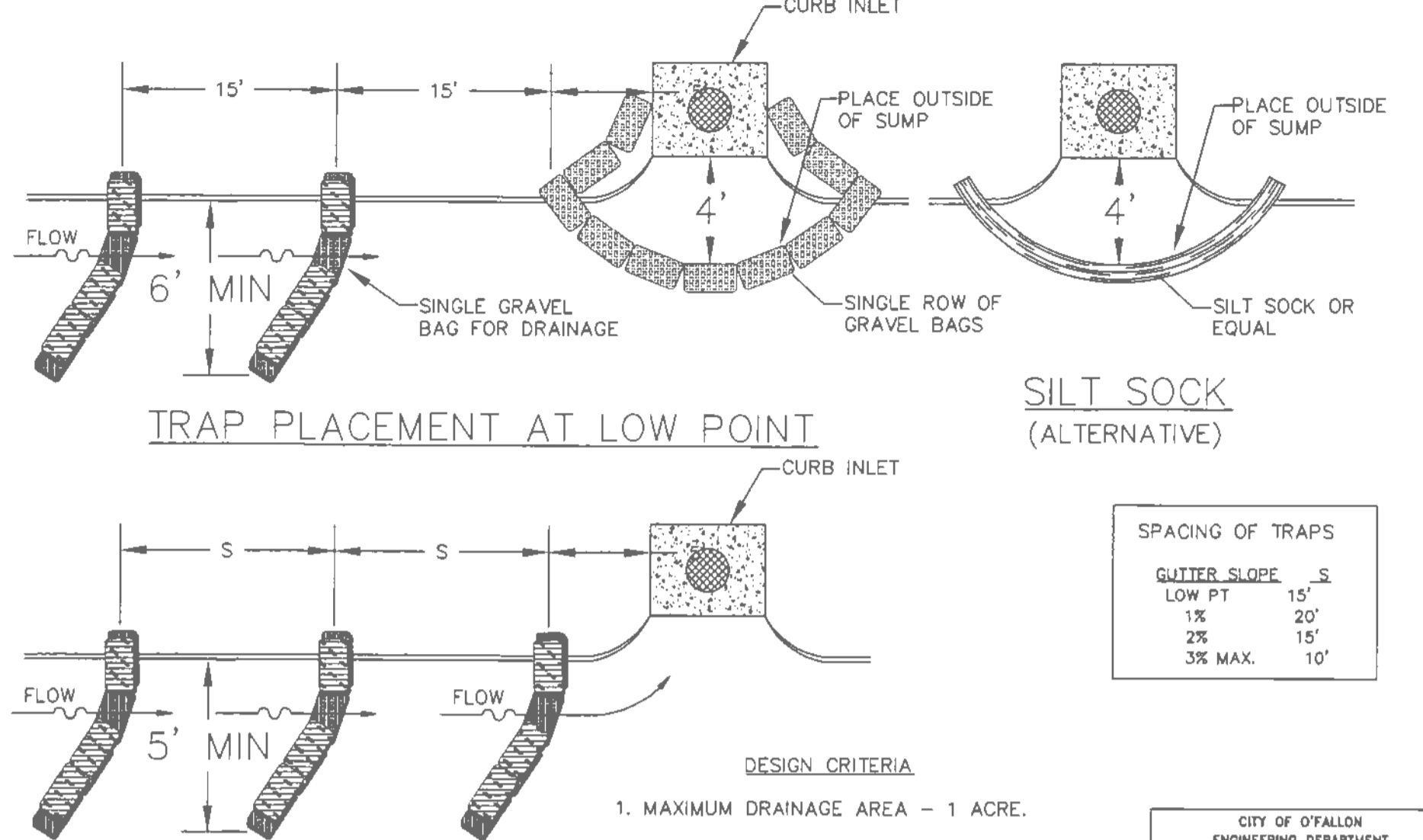
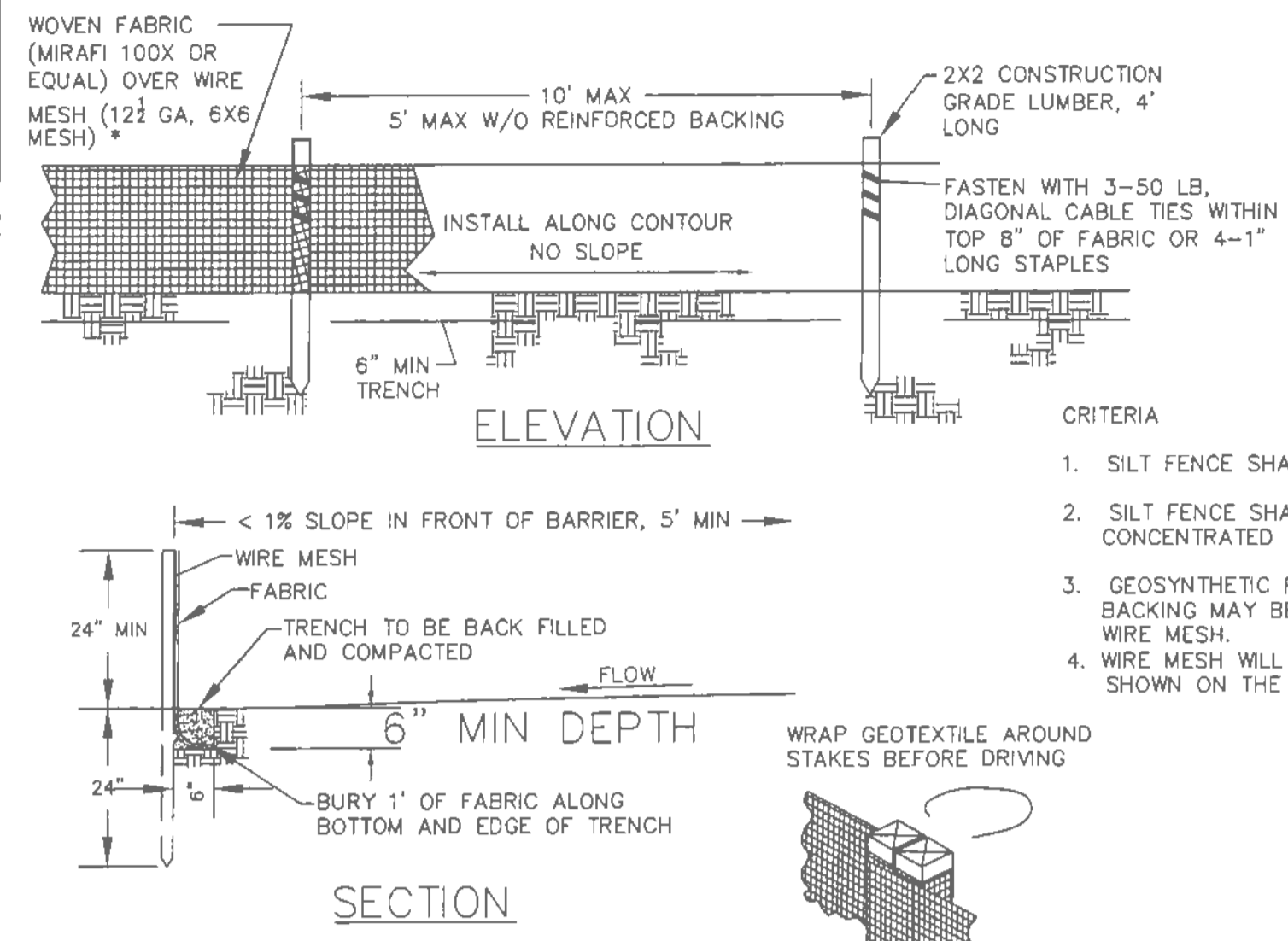


**DESIGN CRITERIA**

- SILT FENCE FOR SHEET FLOW SHALL HAVE A MAXIMUM DRAINAGE AREA OF 1/4 ACRE PER 100 LF.
- STRAW BALE BARRIERS FOR SHEET FLOW SHALL HAVE A MAXIMUM DRAINAGE AREA OF 1/4 ACRE PER 100 LF.
- REFER TO INDIVIDUAL ESC FIGURE FOR INSTALLATION.
- TERRACING INCLUDES LOGS, WATTLES & FILTER SOCKS.

**CITY OF O'FALLON  
ENGINEERING DEPARTMENT  
O'FALLON, MISSOURI**

**SPACING CHART  
FOR ESC DEVICES**



PIPE SIZE	VELOCITY < 5 FPS				VELOCITY < 10 FPS			
	ROCK SIZE	APRON DIM	ROCK SIZE	APRON DIM	ROCK SIZE	APRON DIM	ROCK SIZE	APRON DIM
12	5	9	15	12	5	9	15	16
15	5	9	15	14	5	9	15	18
18-24	5	9	15	16	9	14	24	20
27-30	5	9	15	18	9	14	24	22
36-42	8	14	24	22	12	18	27	26
48-54	8	14	24	26	14	18	27	30
60-66	12	18	27	34	15	24	30	38
72-84	15	24	30	42	15	24	30	46
96	18	27	30	50	18	27	30	54

d<sub>50</sub> - NOMINAL DIAMETER  
d<sub>max</sub> - MAXIMUM DIAMETER  
T - THICKNESS  
L - LENGTH

**PROJECT TITLE**

**OAKHURST**

**OFALLON, MISSOURI**

**THE STERLING CO.**  
ENGINEERS & SURVEYORS

5065 New Baumgartner Road  
Ofallon, MO 64457  
Ph 314-487-0040 Fax 314-487-8944  
www.sterling-eng-survey.com  
Corporate Certificate of Authority #001348

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**Michael G. Bording**  
E-28943

Date: 7/24/2013  
License No. MO E-28643  
Civil Engineer

**EROSION CONTROL DETAILS**

**LOMBARDO HOMES**  
2299 Technology Drive  
O'Fallon, Missouri 63368  
Ph: 636-265-2710

**P+Z No.** 207.02  
**City No.**  
**Date:** April 29, 2013  
**Job No.** 12-10-284  
**Page No.**

**3.1**

**GP**