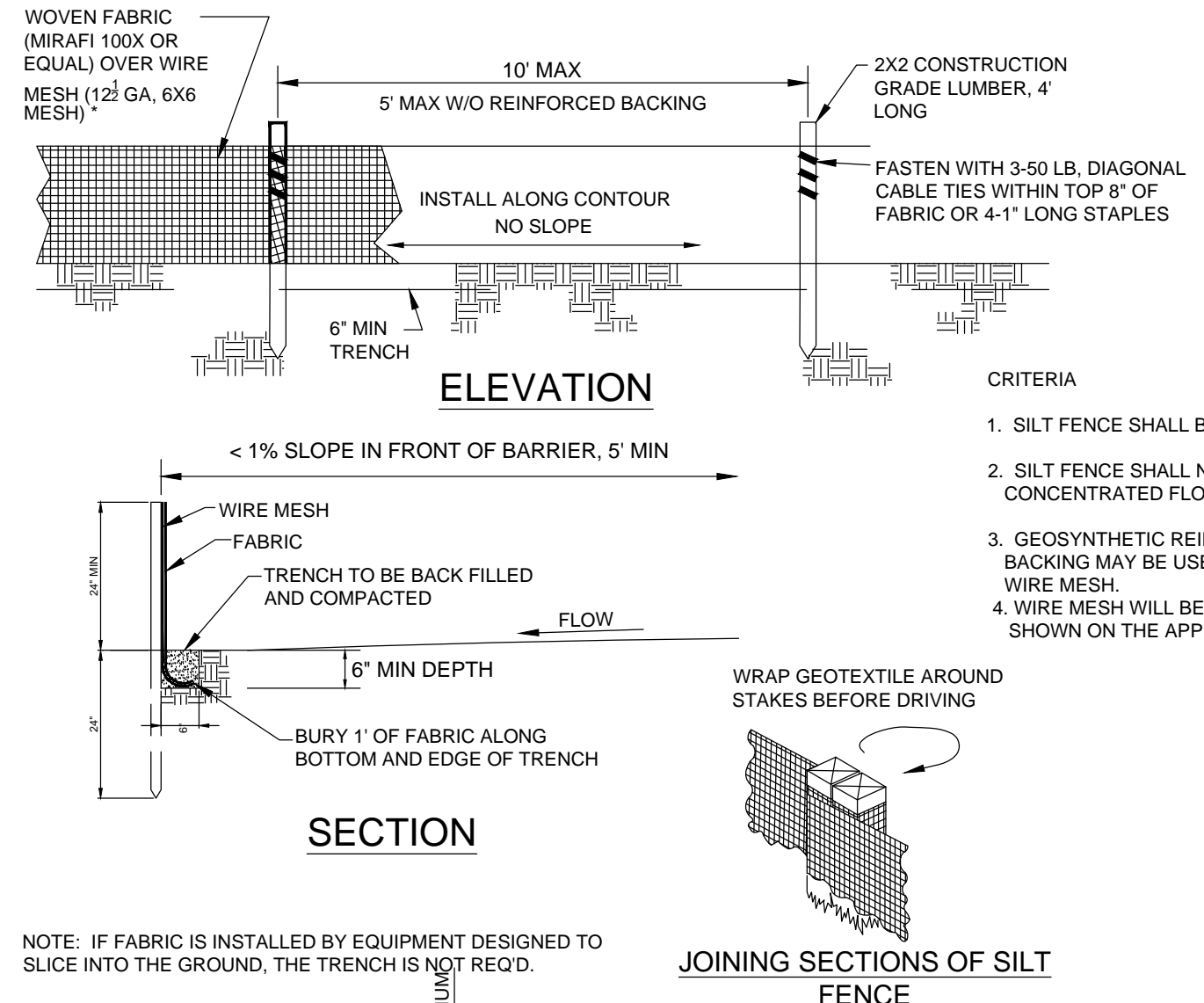


DESIGN CRITERIA

- SILT FENCE FOR SHEET FLOW SHALL HAVE A MAXIMUM DRAINAGE AREA OF 1/4 ACRE PER 100 LF.
- STRAW BALES 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

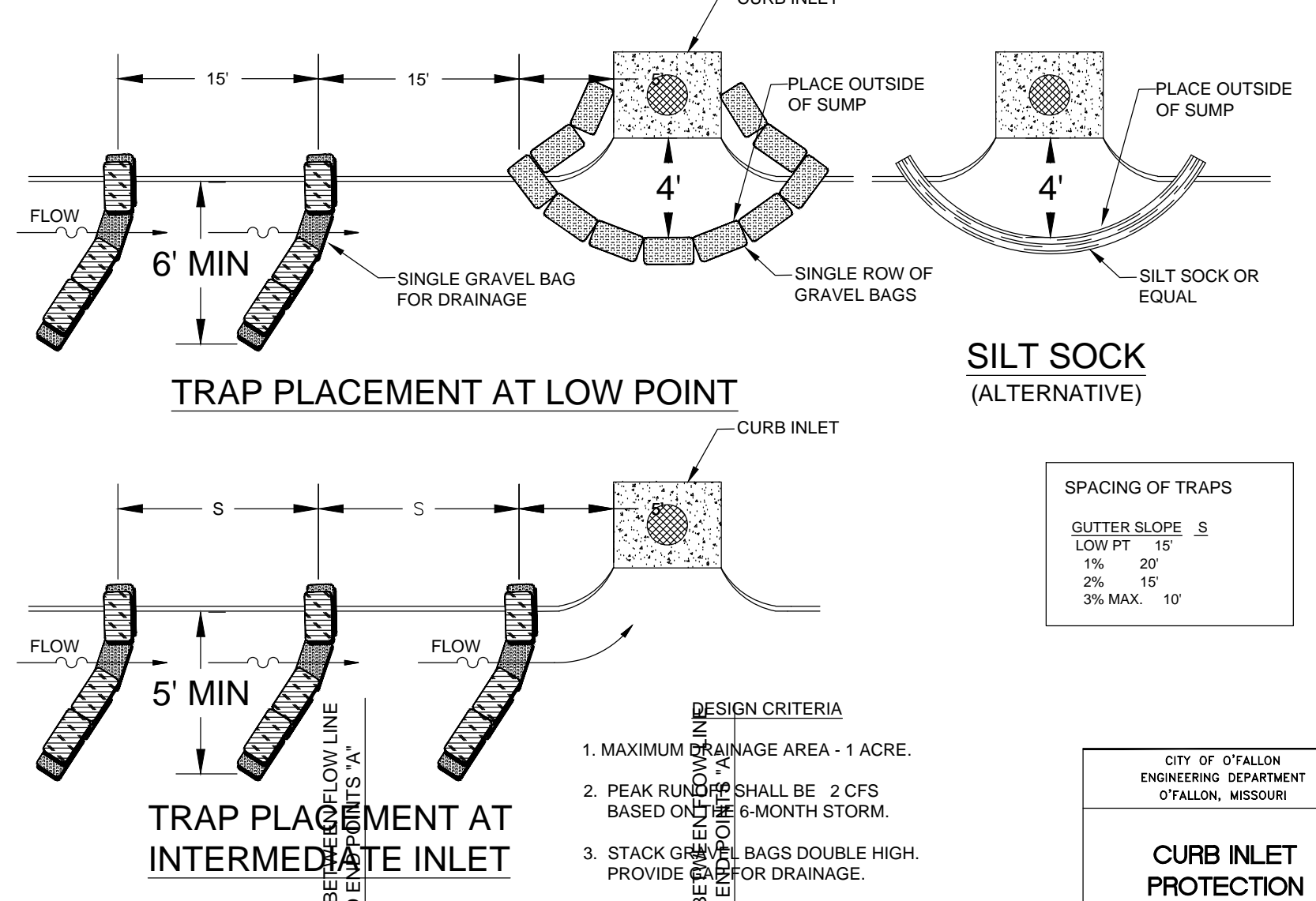
SPACING CHART FOR ESC DEVICES



CRITERIA

- SILT FENCE SHALL BE 24 INCHES HIGH.
- SILT FENCE SHALL NOT BE USED FOR CONCENTRATED FLOWS.
- GEOSYNTHETIC REINFORCED SILT FENCE BACKING MAY BE USED IN LIEU OF WIRE MESH.
- WIRE MESH WILL BE USED AT LOCATIONS SHOWN ON THE APPROVED SWPPP.

NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT REQ'D.

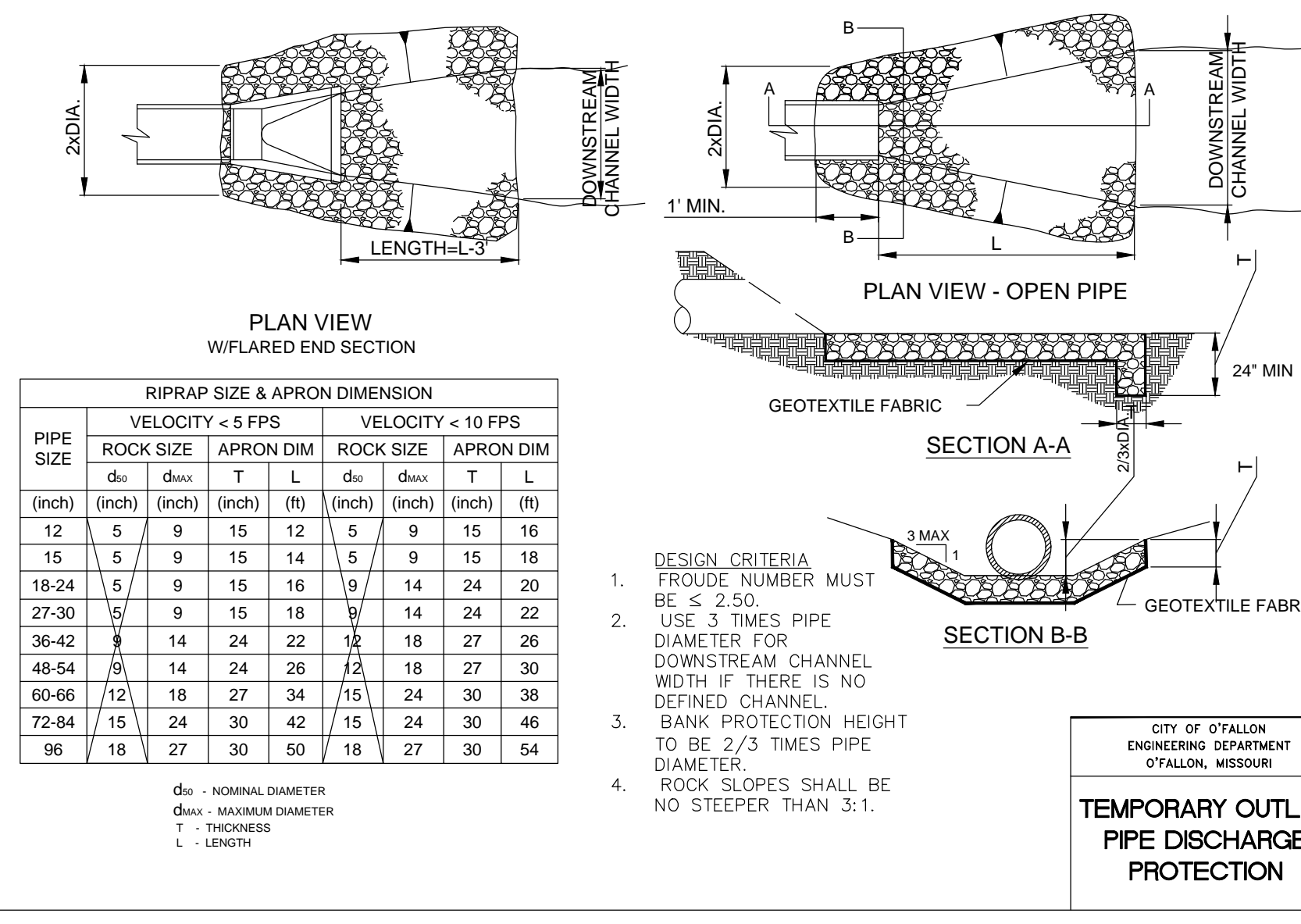
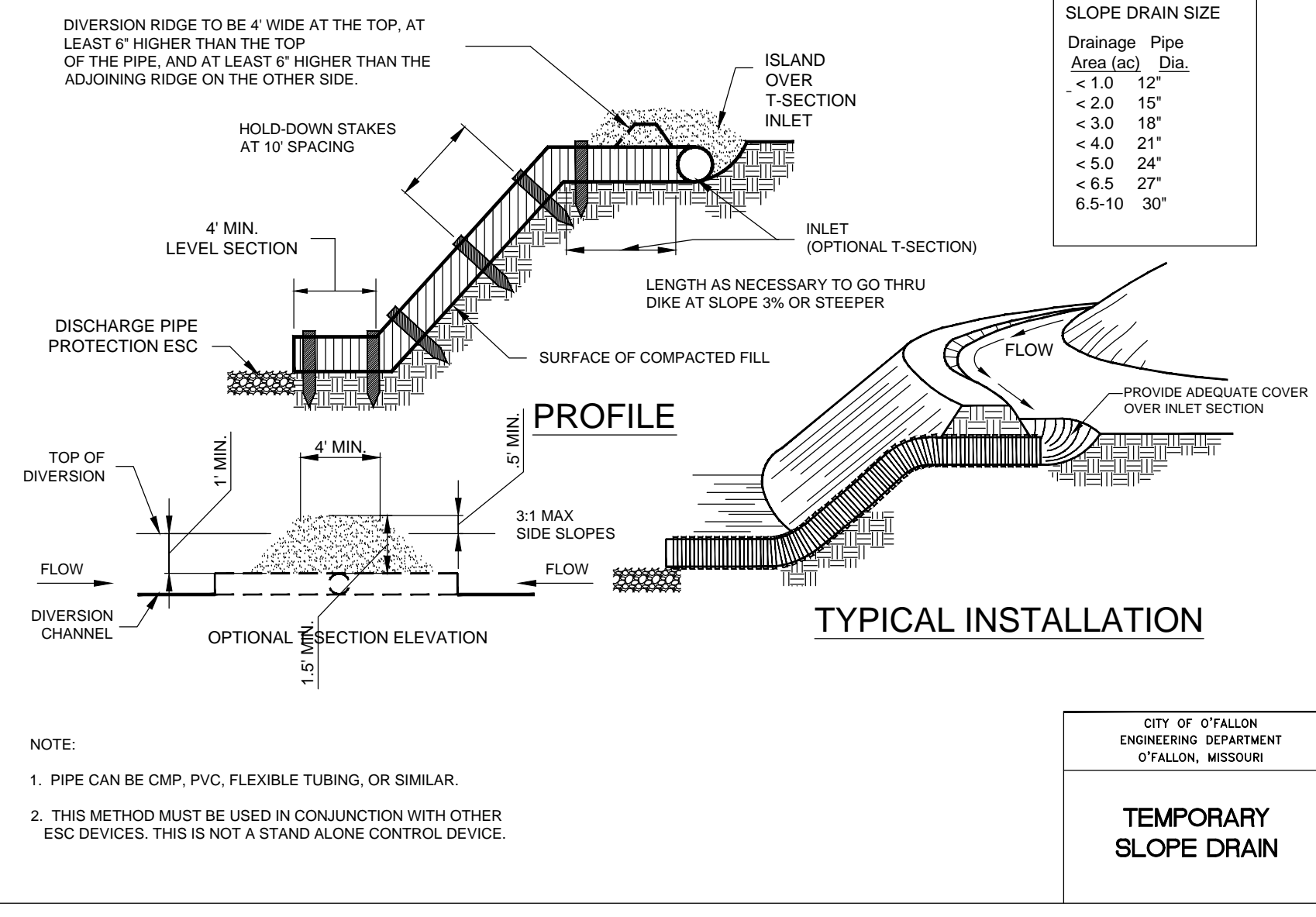
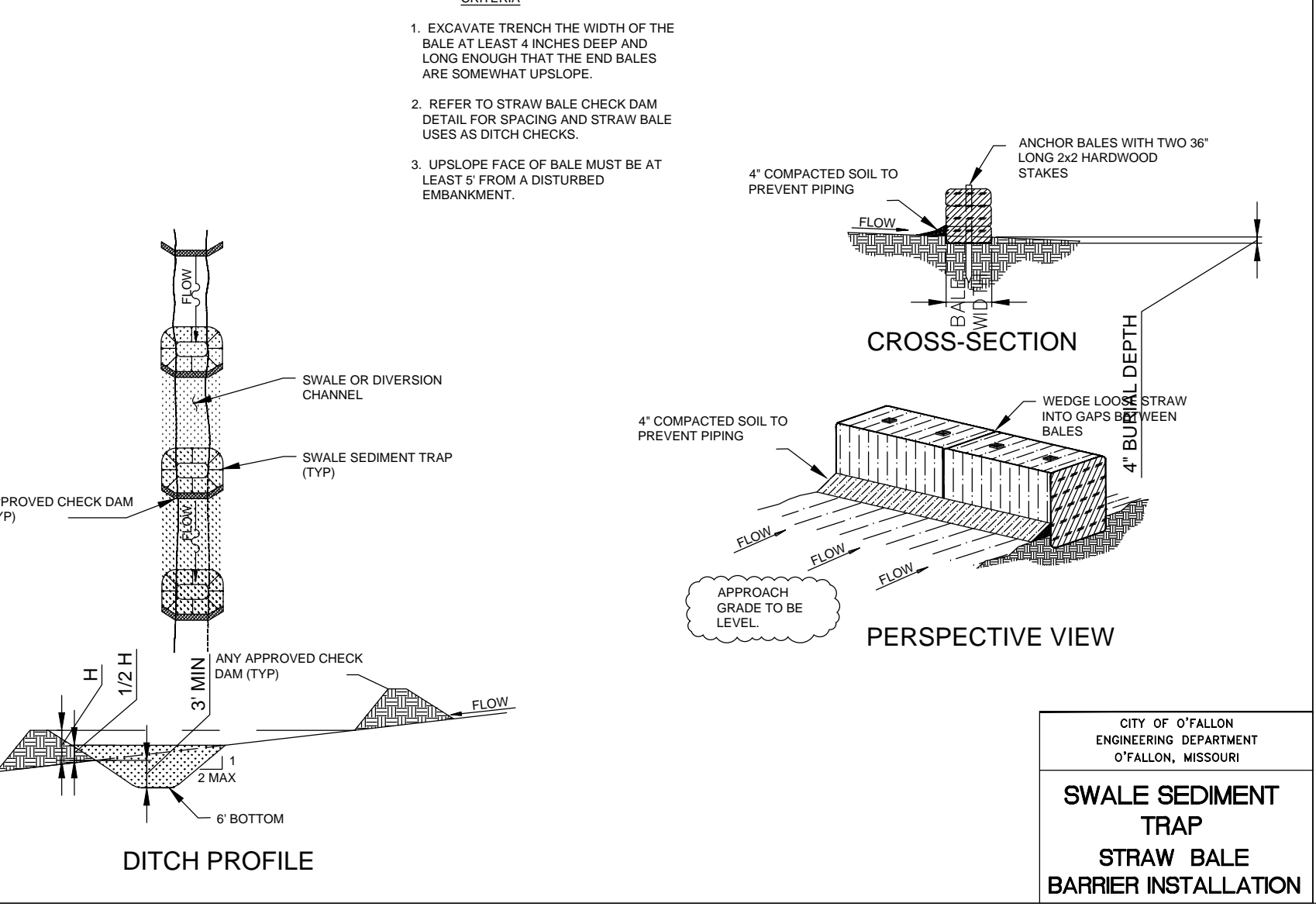
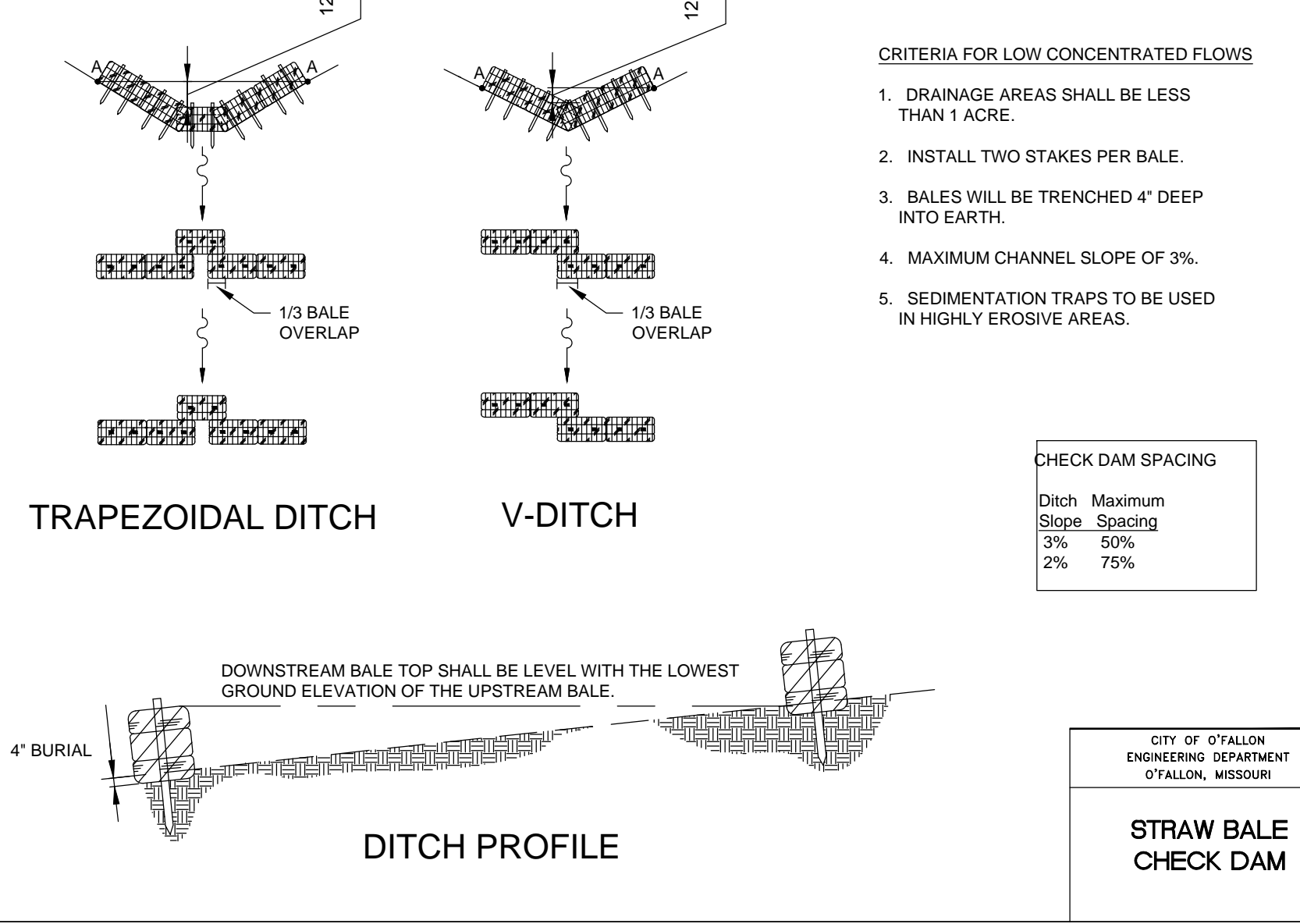
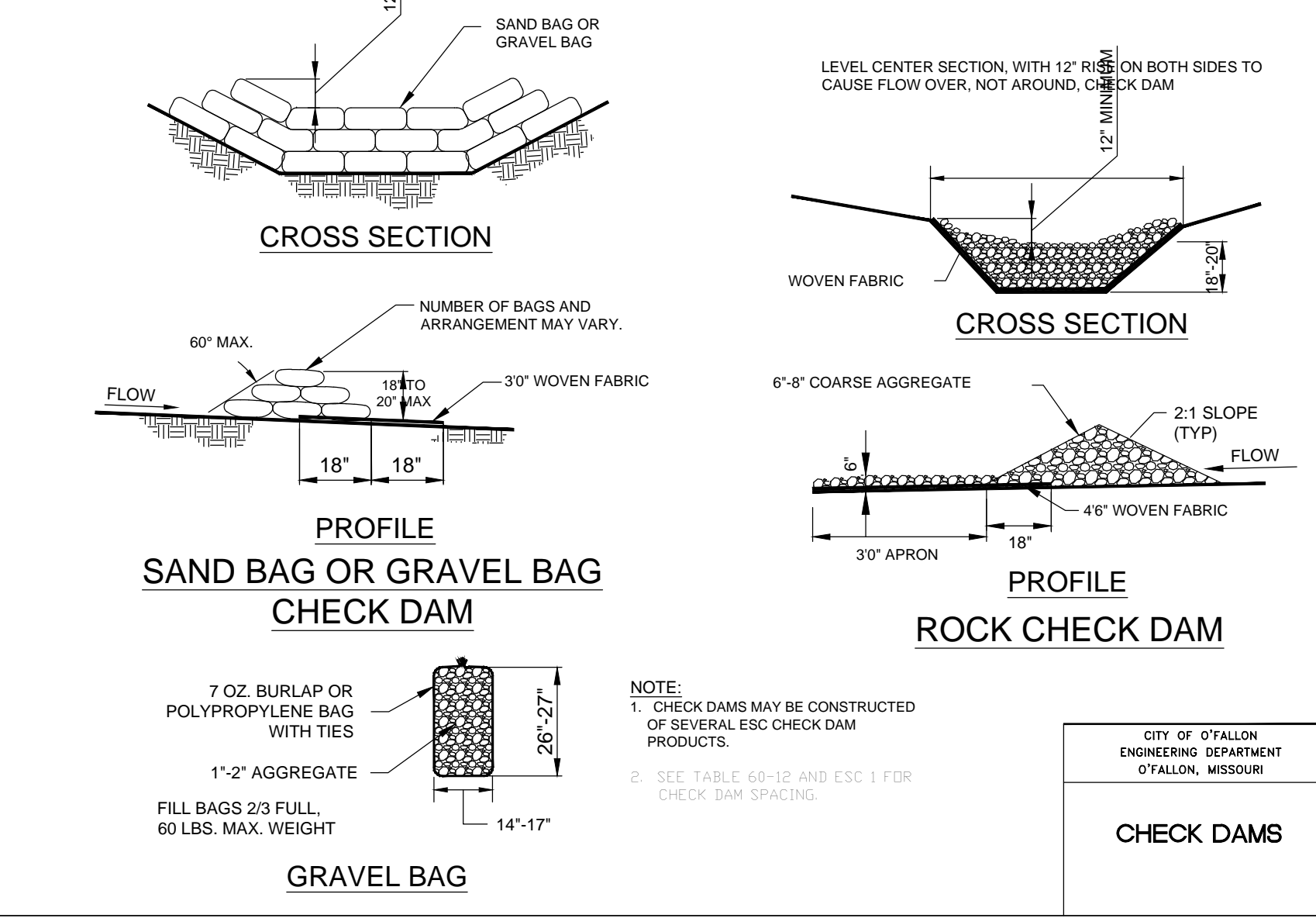
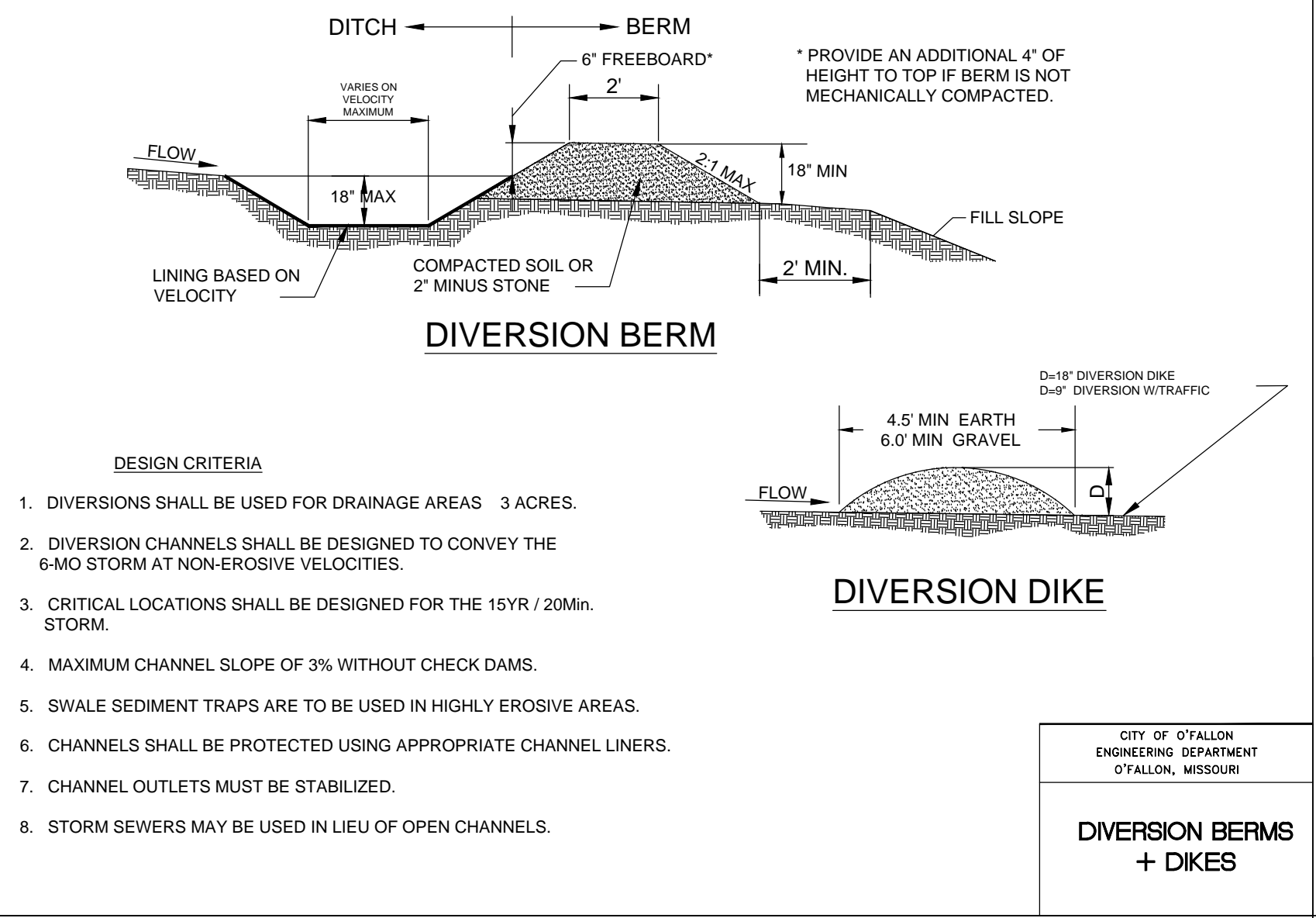


CRITERIA FOR LOW CONCENTRATED FLOWS

- DRAINAGE AREAS SHALL BE LESS THAN 1 ACRE.
- INSTALL TWO STAKES PER BALE.
- BALES WILL BE TRENCHED 4" DEEP INTO EARTH.
- MAXIMUM CHANNEL SLOPE OF 3%.
- SEDIMENTATION TRAPS TO BE USED IN HIGHLY EROSION AREAS.

CHECK DAM SPACING

Ditch Slope	Maximum Spacing
3%	50%
2%	75%



NO.	DATE	REVISION

APRIL M. GIESMAN
PROFESSIONAL ENGINEER
E-2001004592
5/24/18

NAME: April Giesman
LICENSE NO.: 2001004592
EXPIRATION DATE: 12-31-19

HORNER SHIFRIN

101 LAURA K DRIVE, STE. 101 O'FALLON, MO 63366-3991
636-329-9296 • FAX 636-339-2910 • WWW.HORNERSHIFRIN.COM
DISCIPLINE: PROFESSIONAL ENGINEERING
CERTIFICATE OF AUTHORITY: 000159
EXPIRATION DATE: DECEMBER 31, 2016

ALPHA & OMEGA ROASTING
111 N. MAIN STREET

DATE: 05/24/2018

DESIGNED: AMH
DRAWN: AMH
CHECKED: AMG

JOB NO. 1803000
REF. NO. N/A

C6.3

DWG: C:\projects\jagataga\dwgs\1077\Details.dwg
 PLOT DATE: 5/24/2018 2:15:39 PM
 OPERATOR: JAGATAGA
 SAVE DATE: 5/24/2018 2:10:01 PM