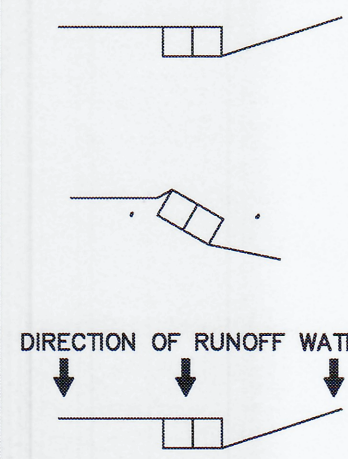


ATTACHING TWO SILT-FENCES  
WHEN TRENCHING IS USED



PLACE THE END POST  
OF ONE FENCE INSIDE  
THE END POST OF THE  
OTHER FENCE

ROTATE BOTH POSTS  
AT LEAST 180 DEGREES  
IN A CLOCKWISE  
DIRECTION TO CREATE  
A TIGHT SEAL WITH  
THE FABRIC MATERIAL

DRIVE BOTH POSTS  
ABOUT 12" INTO THE  
GROUND AND BURY THE  
FLAP IN A TRENCH

SCALES:  
AS SHOWN

No.	Date	Comment

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DOUGLAS J. McGRATH, P.E. ON THE DATE ADJACENT TO THE SEAL.  
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Professional Engineer of Record:

DOUGLAS J. McGRATH  
LICENSE  
No 93515  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

Douglas J. McGrath, P.E. 93515  
Engineer Certificate No.

Project No: 22-013

Project phase: CONSTRUCTION PLANS

Project title:

TUCKER DAVIS  
TECHNOLOGIES SITE PLAN  
CITY OF ALACHUA,  
FLORIDA

Sheet title:

EROSION CONTROL DETAILS

Designed: DJM

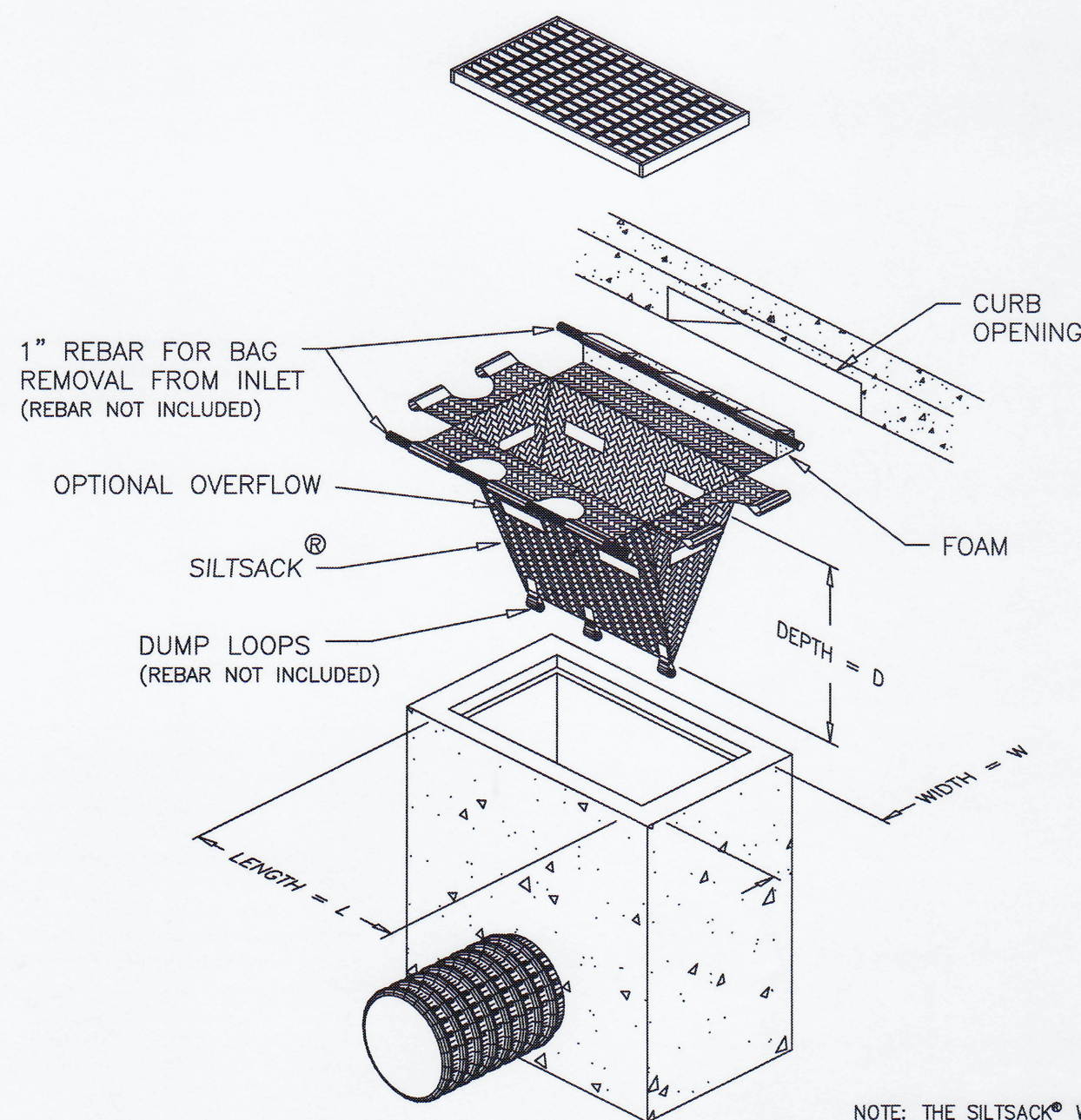
Drawn: MAB

Checked: CSV

Date: 05/17/22

Sheet No.:

C130



**SILTSACK®**  
SPECIFICATIONS

NOTE: THE SILTSACK® WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE  
FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK®

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

HI-FLOW SILTSACK®

(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

OIL-ABSORBANT SILTSACK®

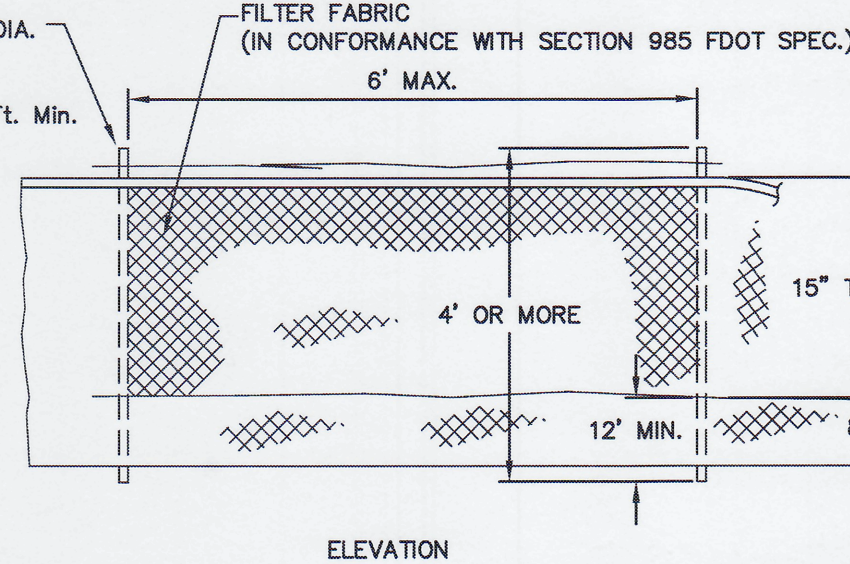
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE FROM  
EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT OR,  
MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK®, WITH A WOVEN PILLOW INSERT.

DETAIL OF INLET SEDIMENT CONTROL DEVICE  
WITH CURB DEFLECTOR

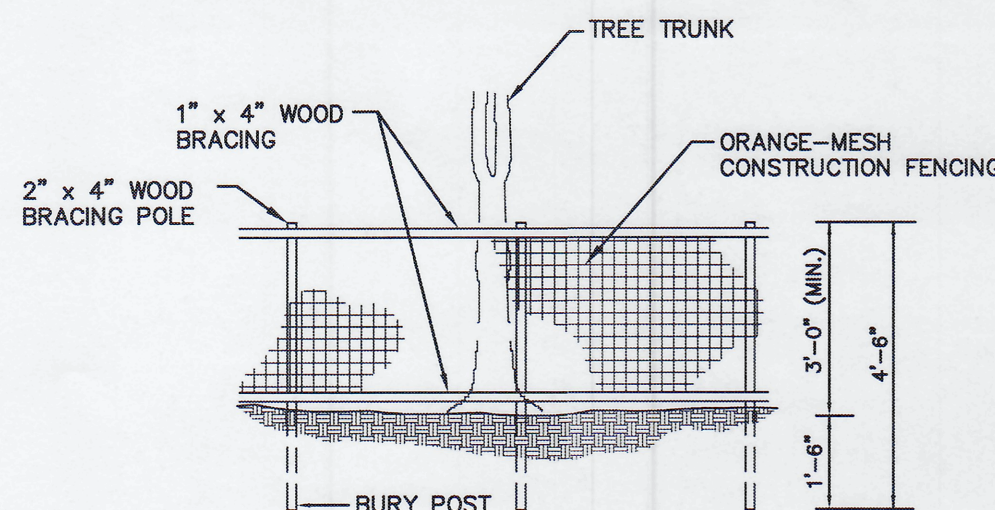
N.T.S.

POST OPTIONS: WOOD 2.5" MIN. DIA.  
WOOD 2"x4"  
OAK 1.5"x1.5"  
STEEL 1.33 Lbs/Ft. Min.



TYPE III SILT FENCE DETAIL

N.T.S.



NOTES:

1. TREE BARRICADES WILL BE BUILT BEFORE ANY SITE WORK IS UNDERTAKEN AND WILL REMAIN IN PLACE UNTIL THE LANDSCAPING IS PLANTED.
2. EACH BARRICADE MUST BE AT LEAST 3 FEET TALL, WITH CORNER POSTS OF 2" X 4" WOOD INSERTED AT LEAST ONE AND A HALF (1-1/2) FEET DEEP. THE TWO ROWS OF SIDE SLATS MUST BE 1" X 4" AND BE MARKED WITH PLASTIC RIBBONS OR MESH FENCING FOR VISIBILITY.
3. NO GRADING WITHIN FENCING. ANY ROOTS GREATER THAN 1" IN DIAMETER THAT ARE DAMAGED OR EXPOSED SHALL BE CLEANLY CUT AND COVERED OVER WITH SOIL.
4. NO CONSTRUCTION MATERIALS OR EQUIPMENT SHALL BE PERMITTED WITHIN CONSTRUCTION FENCING OR BEYOND THE CONSTRUCTION LIMITS.
5. THE AREA ENCLOSED MUST BE AT OR OUTSIDE THE DRIPLINE FOR ALL HERITAGE AND CHAMPION TREES AND ALL REGULATED PINE AND PALM TREES, OR EQUAL TO 2/3 OF THE DRIPLINE OF THE TREE CANOPY FOR ALL OTHER REGULATED SPECIES, OR AT THE TREE ROOT PLATE WHERE ALLOWED BY CONSTRUCTION LIMITS.

TREE BARRICADE FENCING DETAIL

N.T.S.