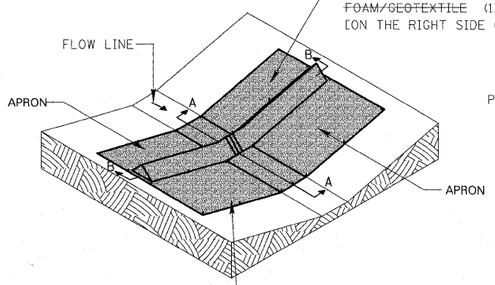
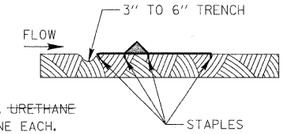
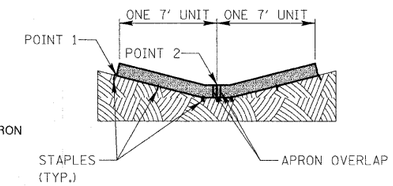


SILT DIKE UNIT ISOMETRIC



SECTION A-A



SECTION B-B

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

NOTE:
THE INSTALLATION SHOWN ABOVE WILL BE MEASURED AS ~~TWO (2)~~ 7 FEET EACH TEMPORARY DITCH CHECK, ~~URETHANE FOAM/GEOTEXTILE~~.

SCALE: 1" = 5'

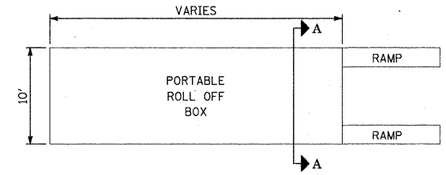
REVISIONS	DATE

LakeCounty Division of Transportation

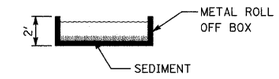
APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH

LC2050

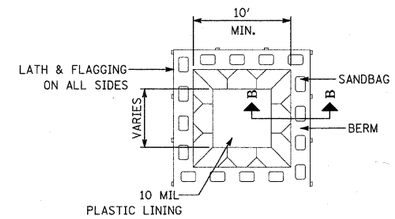


PLAN VIEW

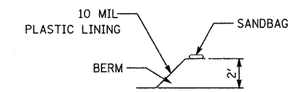


SECTION A-A

PREFAB PORTABLE WASHOUT



PLAN VIEW



SECTION B-B

BELOW GRADE

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

REVISIONS	DATE

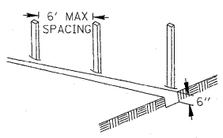
LakeCounty Division of Transportation

APPROVED BY: MGZ
DATE: March 17, 2008

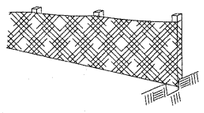
CONCRETE WASHOUT FACILITIES
SHEET 1 OF 2

LC4202

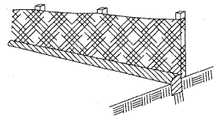
1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF POSTS



2. ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3 (THREE) FASTENERS PER POST AND EXTEND FABRIC TO THE BOTTOM OF THE TRENCH

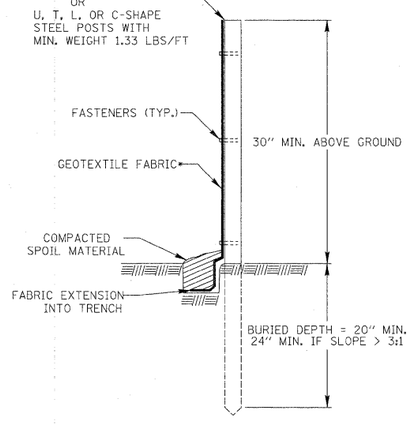


3. BACKFILL AND COMPACT THE EXCAVATED MATERIALS



Requirements	Test Methods	Wire Backed Supported Silt Fence [a]	Unsupported Silt Fence: Geotextile Elongation >=50% [b]	Unsupported Silt Fence: Geotextile Elongation <50% [b]
Maximum Post Spacing		4 feet	4 feet	6 feet
Grab Strength	ASTM D 4632			
Machine direction		90 lbs	124 lbs	124 lbs
X-Machine direction		90 lbs	100 lbs	100lbs
Permittivity [c]	ASTM D 4491	0.05 sec^{-1}	0.05 sec^{-1}	0.05 sec^{-1}
Apparent Opening Size	ASTM D 4751	0.024in maximum average roll value		
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours of exposure		

POSTS - CHOICE OF:
1.2" X 1.2" NOMINAL HARDWOOD POSTS
2.6" X 2.6" NOMINAL NO.2 SOUTHERN PINE
OR
U, T, L, OR C-SHAPE STEEL POSTS WITH MIN. WEIGHT 1.33 LBS/FT



* NOTE: OPTIONAL WIRE SUPPORT
- MIN. 30" HEIGHT
- MIN. 14 GAUGE WIRE
- MIN. 6 HORIZ. WIRES
- MIN. 6" VERTICAL SPACING

SCALE 1" = 1'

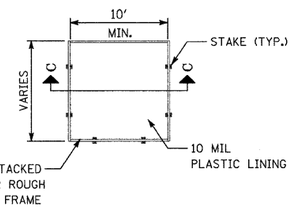
REVISIONS	DATE
ORIG. by LCSMC	04/21/08

LakeCounty Division of Transportation

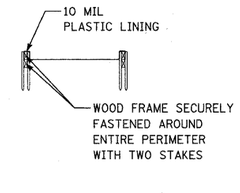
APPROVED BY: M. G. ZEMAITIS
DATE: JUNE 20, 2008

PERIMETER EROSION BARRIER INSTALLATION

LC2051

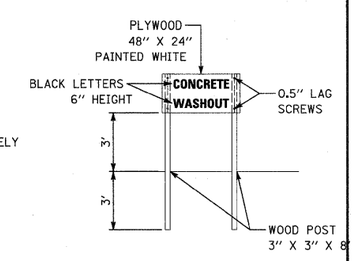


PLAN VIEW

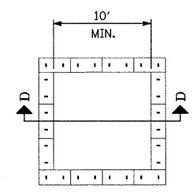


SECTION C-C

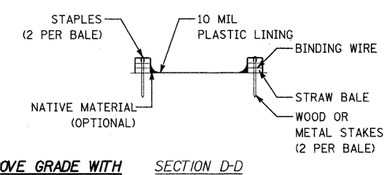
ABOVE GRADE



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

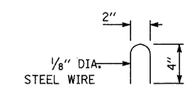


PLAN VIEW



SECTION D-D

ABOVE GRADE WITH STRAW BALES



STAPLE DETAIL

NOTES:

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2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
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NOT TO SCALE

REVISIONS	DATE

LakeCounty Division of Transportation

APPROVED BY: MGZ
DATE: March 17, 2008

CONCRETE WASHOUT FACILITIES
SHEET 2 OF 2

LC4202

USER NAME = pk	DESIGNED - PK	REVISED -
FILE NAME ...\sheet\09 DET\2130_DET01.dgn	DRAWN - JRR	REVISED -
PLOT SCALE 1.00 ' / IN.	CHECKED - RTM	REVISED -
PLOT DATE = 12/14/2010	DATE - 12/17/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
FORT HILL TRAIL BIKE PATH UNDERPASS
SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3602	08-F3000-07-BT	LAKE	60	52

CONTRACT NO. 63422

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		