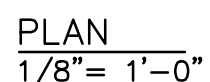


<http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm>



IMPERMEABLE LINER  
(10MM PLASTIC, RUBBER OR  
ENGINEERED CLAY)

SURROUNDING BERM

12" MIN.

2'-0" MIN.

8'8" MIN.

OR AS REQ'D TO  
CONTAIN WASTE CONCRETE

12" MIN.

EXISTING GRADE

3:1 OR FLATTER  
SIDE SLOPES

COMPACTED EMBANKMENT  
MATERIAL,  
TYP.

TYPICAL SECTION

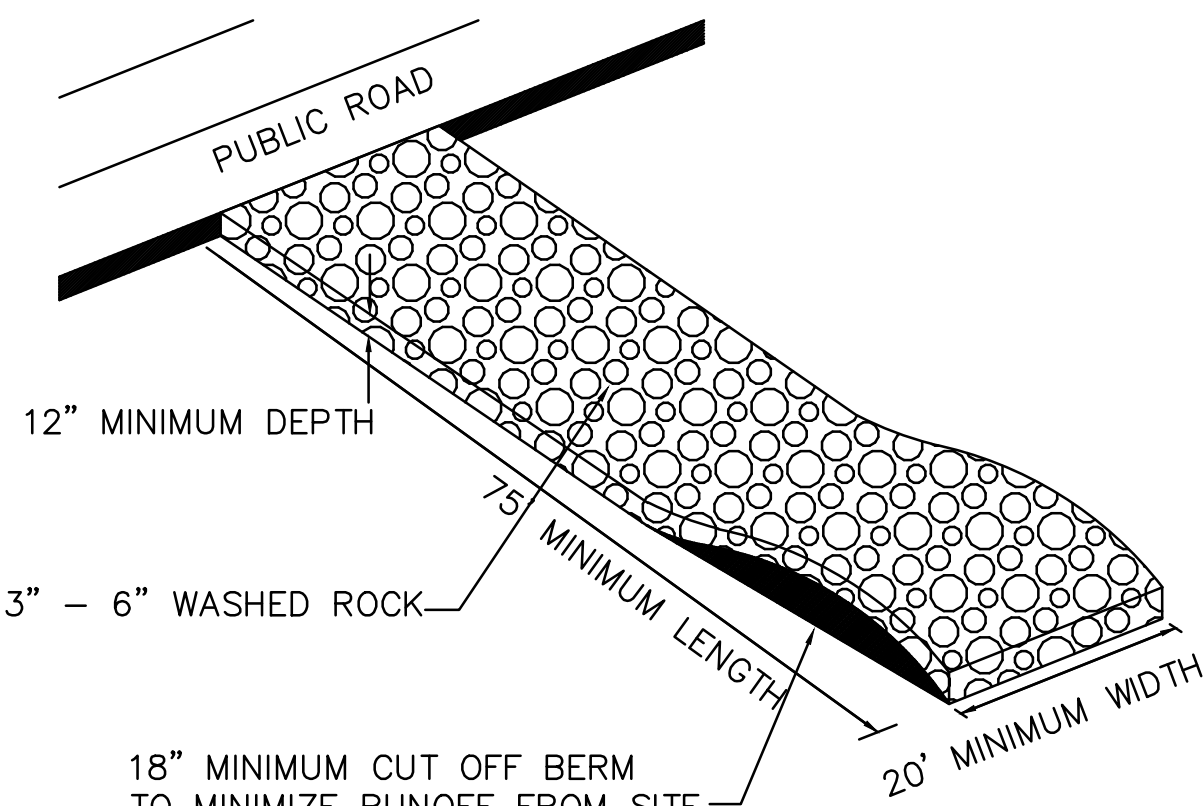
1/8" = 1'-0"

1. SEE EROSION CONTROL PLAN FOR LOCATIONS OF CONCRETE WASHOUT AREAS(2) TO BE PLACED A MIN. OF 50' FROM DRAINAGEWAYS, BODIES OF WATER, AND INLETS(3)
2. THE CONCRETE WASHOUT AREAS(4) SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. VEHICLE TRACKING CONTROL FND IS REQ'D AT THE ACCESS POINT(S).
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREAS(5), AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREAS TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

6. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
7. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
8. WHEN CONCRETE WASHOUT AREAS(6) IS REMOVED, THE DISTURBED AREA SHALL BE STABILIZED PER SITE EROSION CONTROL MEASURES.
9. INSPECT WEEKLY AND DURING AND AFTER ALL STORM EVENTS. CLEAN-OUT OR COVER WASHOUT AREA PRIOR TO PREDICTED STORM EVENTS TO PREVENT OVERFLOW.

CONCRETE WASHOUT AREA



ROCK CONSTRUCTION ENTRANCE

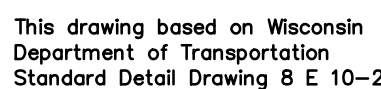
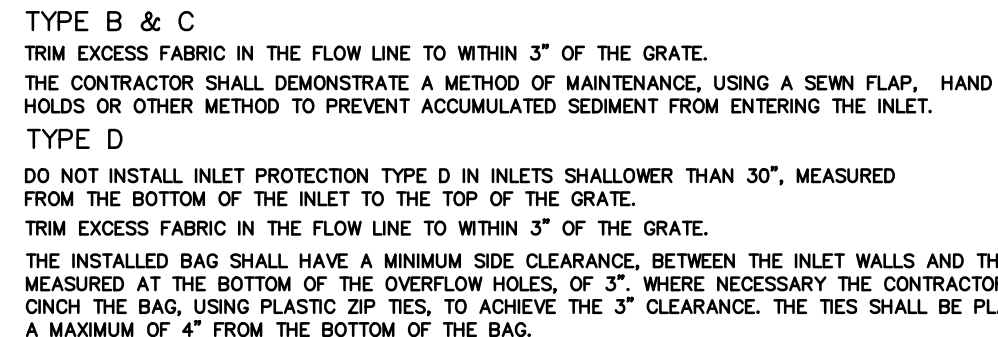
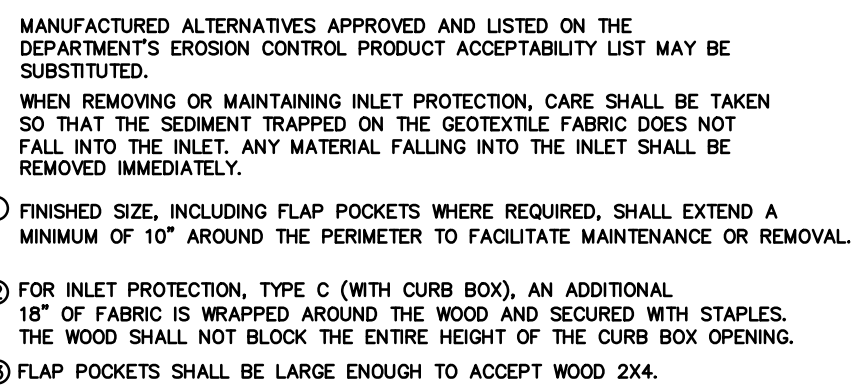
1. Geotextile bags shall meet the criteria listed in Table 1.

Property	Test Method	Type I Value	Type II Value
Maximum Apparent Opening Sizes	ASTM D-4751	0.212 mm	0.212 mm
Grab Tensile Strength	ASTM D-4632	200 lbs.	300 lbs.
Mullen Burst	ASTM D-3786	350 psi	580 psi
Permeability	ASTM D-4491	0.28 cm/sec	0.2 cm/sec
Fabric	Nominal Representative Weight	8 oz	12 oz

2. Geotextile bags shall be sized according to the particle size being trapped, expected flow or pumping rate (gallons per minute) per square foot of fabric and a 50% clogging factor. The footprint of the bag shall be no smaller than 100 square feet.
3. Geotextile bags shall be securely attached to the discharge pipe.
4. Polymers can be used to enhance the efficiency of geotextile bags. If polymer is used, the polymer shall be approved by the WDNR and meet the criteria stipulated in WDNR Conservation Practice Standard 1051, Current Conservation Practice Application of Polymers. The polymer supplier or applicator shall provide certifications showing that products have met the performance requirements of Standard 1051. If the manufacturer has not completed the required testing, the project may be used to gain that certification provided it meets the site requirements of Standard 1051. Any polymer will be monitored by WDNR or WisDOT, with testing done by a qualified third party.

DE-WATERING NOTES:  
THE CONTRACTOR SHALL UTILIZE GEOTEXTILE BAGS PER WDNr TECHNICAL STANDARD 1061 TO ACCOMPLISH SATISFACTORY DEWATERING ONSITE. ALL WATER PUMPED MUST BE DISCHARGED THROUGH GEOTEXTILE BAGS. THE GEOTEXTILE BAG SUPPLIER SHALL SIZE GEOTEXTILE BAGS (WDNR TECH. STANDARD 1061-SECTION V.C.) ACCORDING TO THE PARTICLE SIZE BEING TRAPPED (SOIL CLASS 2:  $V_s = 0.000073$  ft/sec), EXPECTED FLOW OR PUMPING RATE (GPM) PER SQUARE FOOT OF FABRIC AND A 50% CLOGGING FACTOR. THE FOOTPRINT SHALL BE NO SMALLER THAN 100 SQUARE FEET.

RASN: 3/404/0



INLET PROTECTION  
TYPE A, B, C, AND D



Diagram illustrating the installation of a silt fence. The diagram shows a cross-section of the ground with a silt fence (a vertical line) and an anchor stake (a diagonal line) driven into the ground. The anchor stake is labeled "ANCHOR STAKE MIN. 18\" LONG". A line connects the top of the anchor stake to the top of the silt fence post, labeled "TIEBACK BETWEEN FENCE POST AND ANCHOR". The area between the fence and the anchor is labeled "SILT FENCE". An arrow indicates the "FLOW DIRECTION" from left to right.

SILT FENCE TIE BACK  
(WHEN ADDITIONAL SUPPORT REQUIRED)



## JOINING TWO LENGTHS OF SILT FENCE

- ① HORIZONTAL BARGE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" X 1 1/2" OF OAK OR HICKORY.
- ④ SPLY FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SPLY FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE ENDS OF POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SPLY FENCE LENGTH.

This drawing based on Wisconsin  
Department of Transportation  
Standard Detail Drawing 8 E 9-6.

SILT FENCE

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Appleton, WI      Orange County, CA      Pittsburgh, PA

## CITY OF WAUKESHA, WISCONSIN

DRAWN BY	RASN
SCALE	GRAPHIC
PROJ. NO.	31A0410
DATE	04-13-2015
SHEET	SWD 3

SWP3