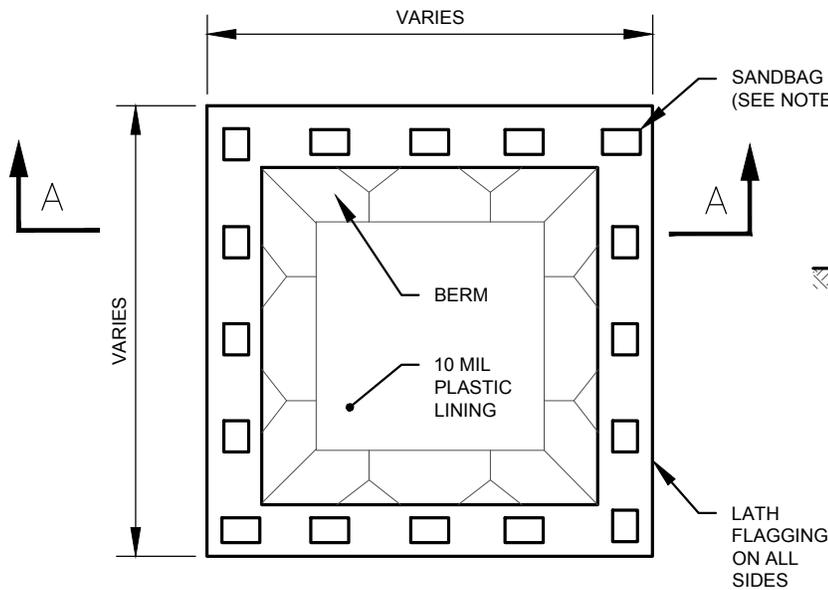


**NOTES:**

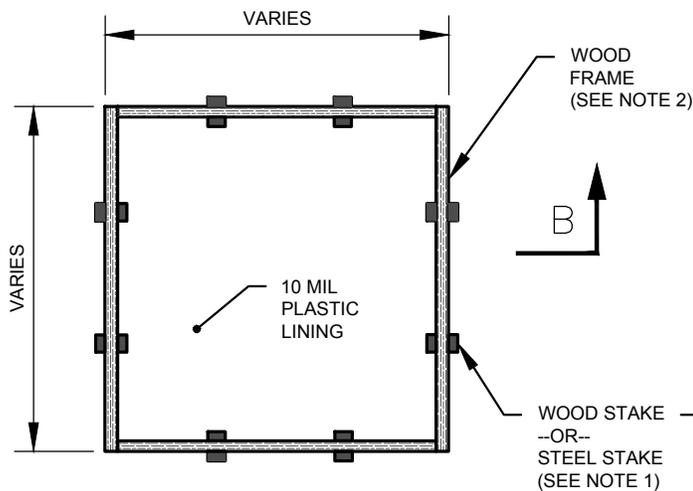
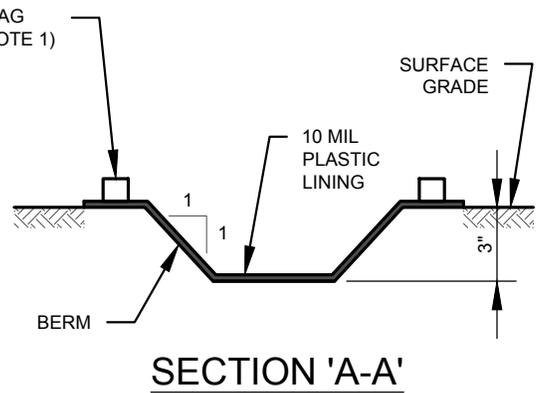
1. IF CURB DOES NOT EXIST OR IF EXISTING CURB IS REMOVED DURING CONSTRUCTION THEN STABILIZED CONSTRUCTION ENTRANCE IS TO EXTEND TO THE EDGE OF PAVEMENT.
2. IF CURB IS LEFT IN PLACE DURING CONSTRUCTION THEN INSTALL TEMPORARY CURB PROTECTION AS PER CITY DETAIL 609.
3. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN FIFTY (50) FEET.
4. THICKNESS OF OPEN GRADED ROCK TO BE NO LESS THAN EIGHT (8) INCHES.
5. WIDTH SHALL BE NO LESS THAN TWELVE (12) FEET OR THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, WHICHEVER IS WIDER.
6. STABILIZED CONSTRUCTION ENTRANCE TO BE REMOVED UPON COMPLETION OF CONSTRUCTION.
7. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS
8. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM	CHECKED: JCF	APPROVED: MCC	
EFFECTIVE DATE:		SCALE: NTS	DETAIL:
<b>STABILIZED CONSTRUCTION ENTRANCE</b>			<b>601</b>

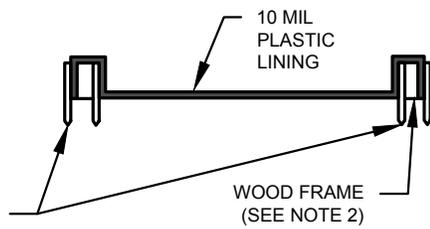




**DEPRESSED WASHOUT**



**ELEVATED WASHOUT**



**SECTION 'B-B'**

**NOTES:**

1. SECURE WASHOUT STRUCTURES AND LININGS WITH SANDBAGS OR TWO SECURELY FASTENED STAKES AROUND ENTIRE WASHOUT PERIMETER.
2. WOOD FRAME IS TO BE EQUAL TO OR BETTER THAN TWO-STACKED 2X12 ROUGH WOOD FRAME.
3. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
4. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM

CHECKED: JCF

APPROVED: MCC

EFFECTIVE DATE:

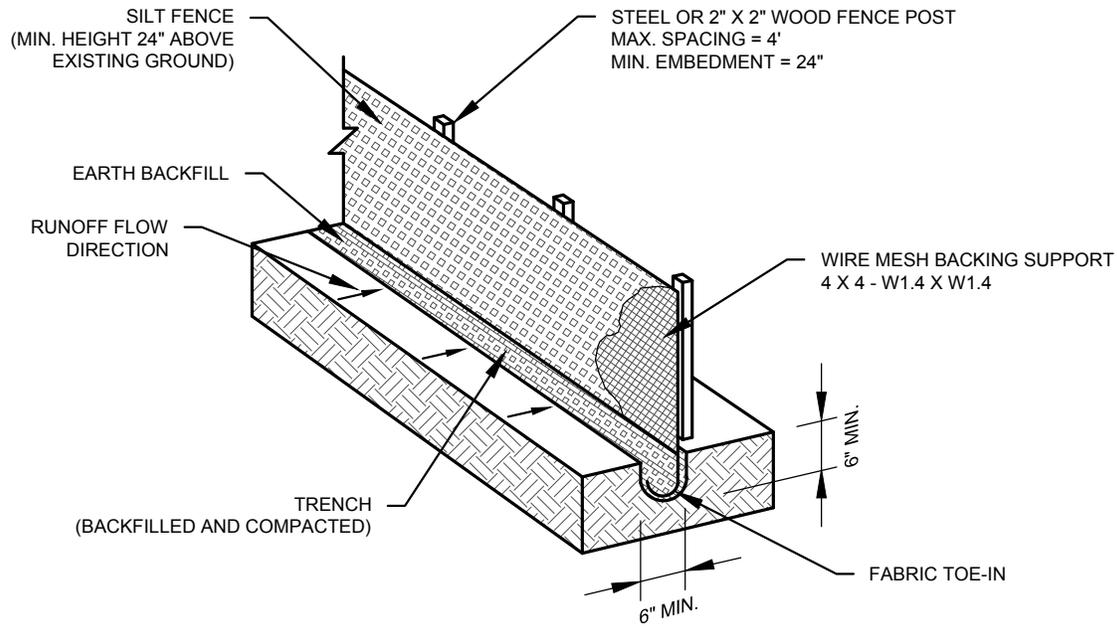
SCALE: NTS

DETAIL:



**CONCRETE WASHOUT**

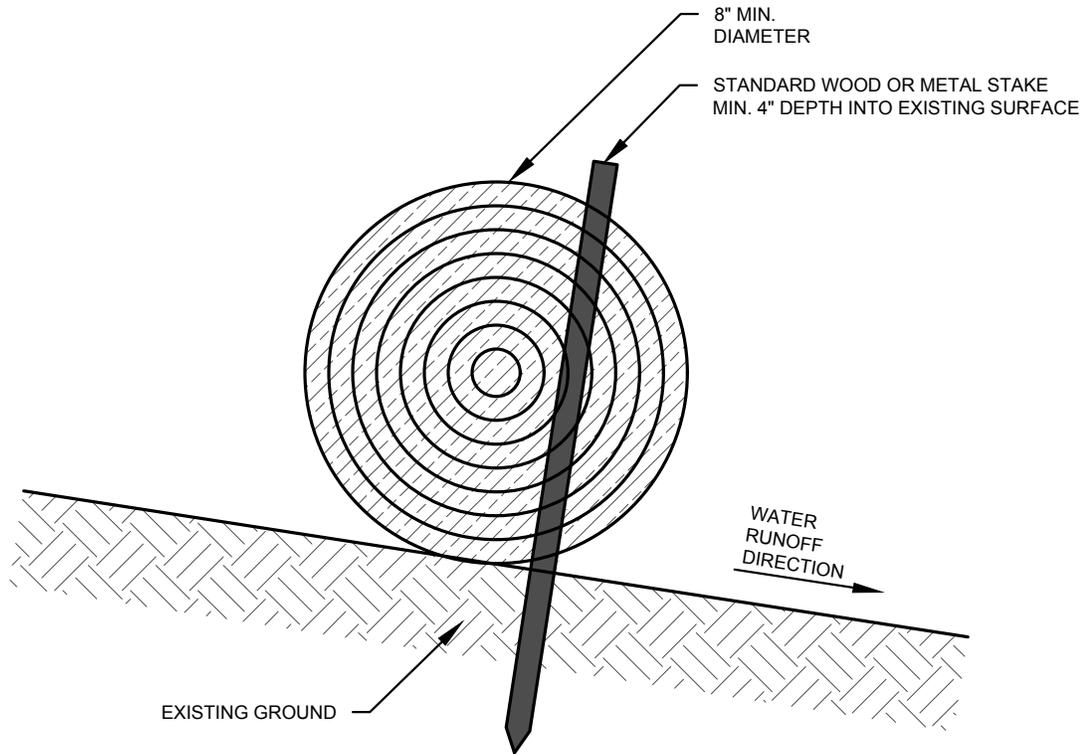
**602**



**NOTES:**

1. THIS DETAIL IS TO BE USED FOR SHEET FLOW CONDITIONS ONLY. DO NOT USE SILT FENCE FOR POINT FLOW OR CONCENTRATED FLOW CONDITIONS.
2. INSTALL STEEL OR WOOD POSTS, WHICH SUPPORT THE SILT FENCE, WITH A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF TWO (2) FEET.
3. TRENCH THE TOE OF THE SILT FENCE IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE THE FENCE CANNOT BE TRENCHED IN (E.G.PAVEMENT), WEIGHT DOWN FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
4. THE TRENCH MUST BE A MINIMUM OF SIX (6) INCHES DEEP AND SIX (6) INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
5. SECURELY FASTEN SILT FENCE TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS TO BE ATTACHED TO THE STEEL OR WOOD FENCE POST. INCLUDE A SIX (6) INCH DOUBLE OVERLAP, SECURELY FASTENED, WHERE ENDS OF FABRIC MEET.
6. REMOVE SILT FENCE WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. REMOVE ACCUMULATED SILT WHEN IT REACHES A DEPTH OF SIX (6) INCHES. DISPOSE OF THE SILT ONSITE IN AN APPROVED LOCATION AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
9. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

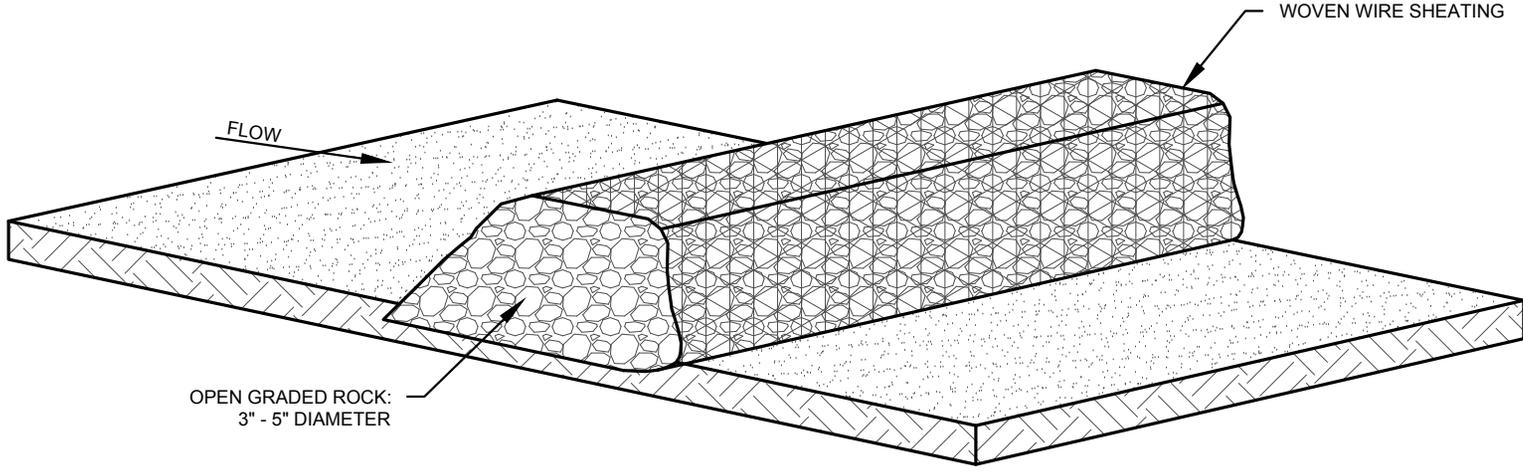
DRAWN: DPM	CHECKED: JCF	APPROVED: MCC
	EFFECTIVE DATE:	SCALE: NTS
	<b>SILT FENCE</b>	<b>603</b>



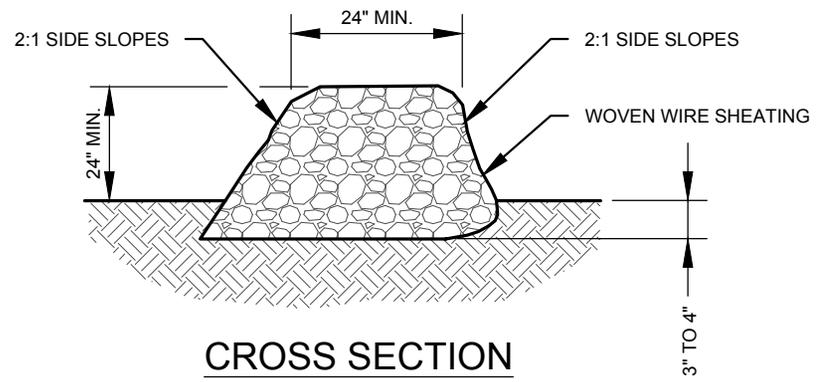
**NOTES:**

1. THIS DETAIL IS TO USED FOR SHEET FLOW CONDITIONS ONLY. DO NOT USE FILTER SOCK FOR POINT FLOW OR CONCENTRATED FLOW CONDITIONS.
2. DO NOT USE FILTER SOCK FOR SHEET FLOW WATERSHEDS LARGER THAN ONE (1) ACRE.
3. USE POLYPROPYLENE NETTING, BURLAP, OR JUTE FABRIC TO CONSTRUCT THE FILTER SOCK.
4. FILL FILTER SOCK WITH STRAW, HAY, COCONUT FIBER, OR COMPOSITE MATERIAL.
5. PLACE STAKING EVERY THREE (3) TO FOUR (4) FEET AT A MINIMUM.
6. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
7. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM		CHECKED: JCF		APPROVED: MCC	
EFFECTIVE DATE:				SCALE: NTS	
		<h1 style="margin: 0;">FILTER SOCK</h1>			<h1 style="margin: 0;">604</h1>



ISOMETRIC VIEW



CROSS SECTION

NOTES:

1. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
2. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.



DRAWN: DPM  
 CHECKED: JCF  
 APPROVED: MCC

EFFECTIVE DATE:

SCALE: NTS

DETAIL:

**ROCK FILTER  
 DAM**

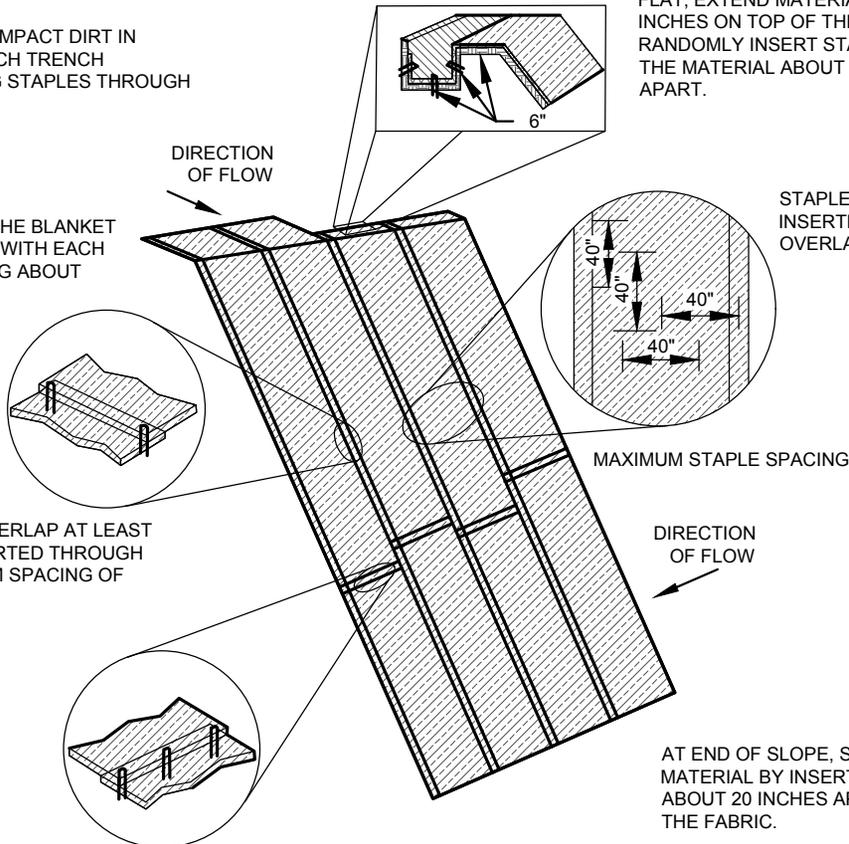
**605**

BACKFILL AND COMPACT DIRT IN THE 6 INCH X 6 INCH TRENCH AFTER INSERTING STAPLES THROUGH THE MATERIAL.

INSERT STAPLES THROUGH THE BLANKET IN A 6 INCH X 6 INCH TRENCH WITH EACH PATTERN OF 3 STAPLES BEING ABOUT 20 INCHES APART.

BLANKET MATERIAL MUST OVERLAP AT LEAST 6 INCHES AND STAPLES INSERTED THROUGH BOTH FABRICS AT A MAXIMUM SPACING OF 40 INCHES APART.

BLANKET MATERIAL MUST OVERLAP AT LEAST 6 INCHES AND STAPLES INSERTED THROUGH BOTH FABRICS AT A MAXIMUM SPACING OF 20 INCHES APART.



AS AN ALTERNATIVE TO TRENCHING WHEN TOP OF SLOPE IS RELATIVELY FLAT, EXTEND MATERIAL ABOUT 40 INCHES ON TOP OF THE GROUND AND RANDOMLY INSERT STAPLES THROUGH THE MATERIAL ABOUT 20 INCHES APART.

STAPLES MUST BE INSERTED THROUGH OVERLAP MATERIAL.

MAXIMUM STAPLE SPACING.

DIRECTION OF FLOW

AT END OF SLOPE, SECURE BLANKET MATERIAL BY INSERTING STAPLES ABOUT 20 INCHES APART THROUGH THE FABRIC.

NOTES:

1. THE FOLLOWING PRODUCTS, OR AN EQUAL APPROVED BY THE ENGINEERING SERVICES REPRESENTATIVE MAY BE USED;  
ECS S-1 STANDARD STRAW  
ECS HIGH VELOCITY STRAW  
LANDLOK BON-TERRA S2, ENS2 OR ENCS2  
NORTH AMERICAN GREEN S75, S75BN, S150, S150BN, OR SC150
2. APPLY SEED AS RECOMMENDED BY MANUFACTURER'S SPECIFICATIONS.
3. LAY BLANKETS PARALLEL TO THE DIRECTION OF WATER FLOW. SPREAD BLANKETS EVENLY WITHOUT STRETCHING SO FIBERS ARE IN DIRECT CONTACT WITH THE SOIL.
4. BURY THE UPSLOPE END OF EACH BLANKET AT LEAST 6 INCHES IN A VERTICAL TRENCH WITH THE SOIL PRESSED FIRMLY AGAINST THE EMBEDDED MAT. ADDITIONAL CHECK TRENCHES AT 50 FEET INTERVALS MAY BE DESIRABLE ON STEEP GRADES OR LONG FLOW AREAS.
5. STAPLE STRIP ENDS AND END OVERLAPS WITH NOT MORE THAN 20 INCHES BETWEEN STAPLES. STAPLE ALL OTHER JOINTS AND EDGES AT 40 INCH INTERVALS.
6. USE U-SHAPED STAPLES TO ANCHOR BLANKETS THAT ARE 11 GAUGE OR HEAVIER STEEL WIRE HAVING A SPAN WIDTH OF 1 INCH AND A LENGTH OF 6 INCHES OR MORE FROM TOP TO BOTTOM AFTER BENDING.
7. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
8. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.



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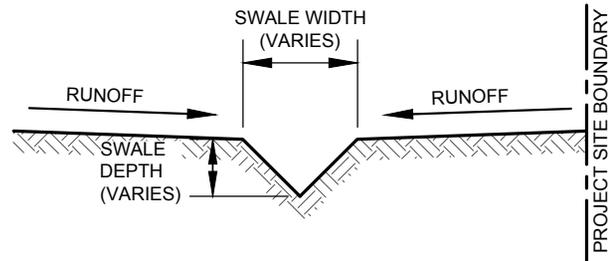
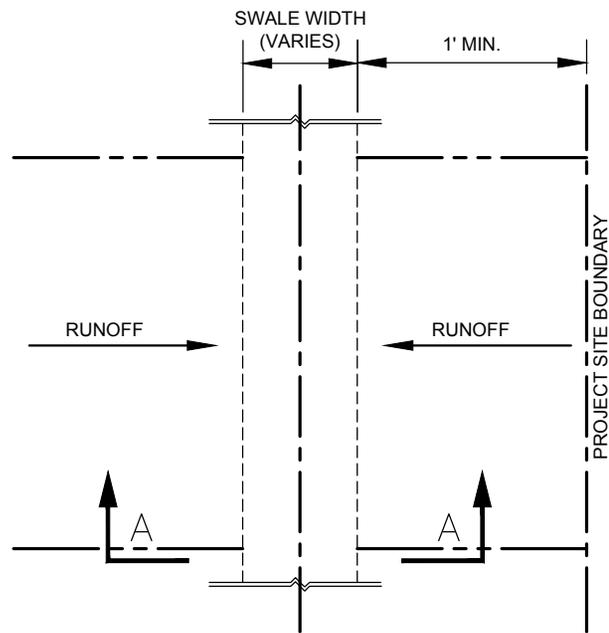
EFFECTIVE DATE:

SCALE: NTS

DETAIL:

# EROSION CONTROL BLANKET AND VEGETATION

606



SECTION 'A-A'

NOTES:

1. SIZE DRAINAGE SWALE BUFFER TO CONTAIN ALL RUNOFF DIRECTED TOWARDS IT SO THAT NO OVERTOPPING OF SWALE OCCURS.
2. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS
3. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.



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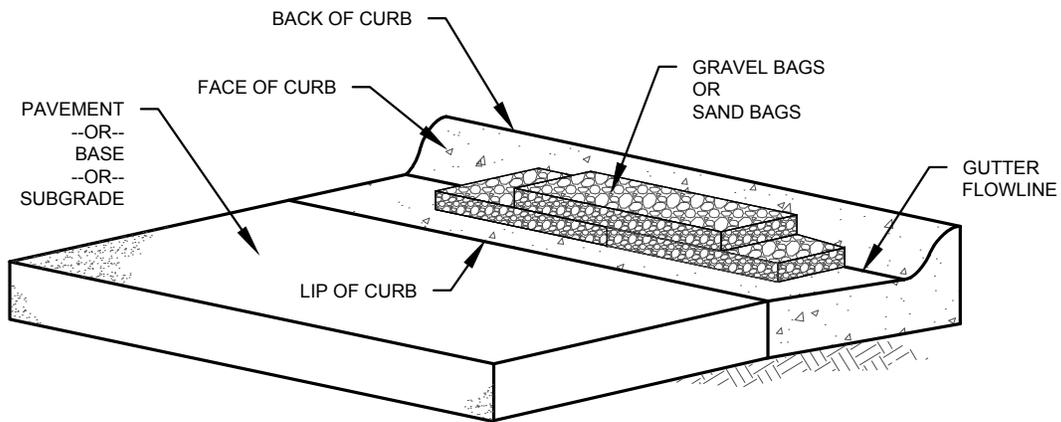
EFFECTIVE DATE:

SCALE: NTS

DETAIL:

DRAINAGE SWALE BUFFER

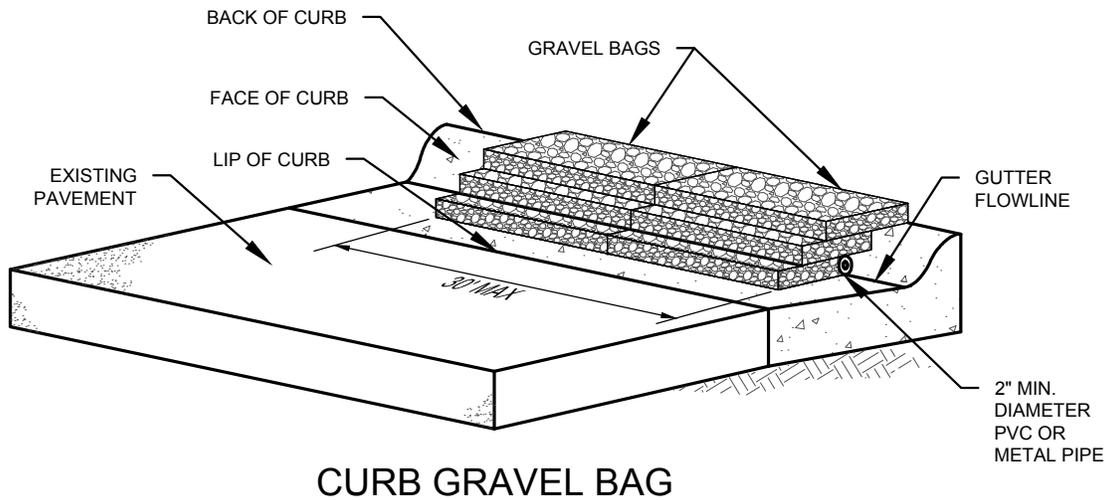
607



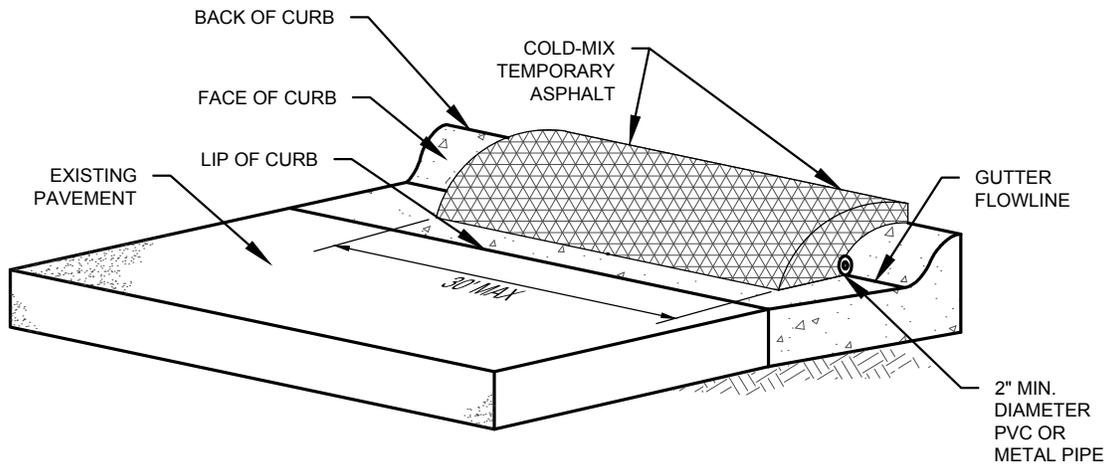
**NOTES:**

1. FILL BAGS TO 60% CAPACITY WITH EITHER CLEAN GRAVEL OR CLEAN SAND.
2. GRAVEL TO BE NO LESS THAN 1" DIAMETER OR GREATER THAN 2" DIAMETER.
3. PLACE BAGS WITH BAG OPENINGS SECURED AND FACE UP, AND SO THAT EACH BAG IS FLAT AND HAS THE GREATEST POSSIBLE SURFACE AREA CONTACT WITH THE CURB.
4. PLACE BAGS AGAINST THE FACE-OF-CURB AND DO NOT PLACE BAGS BEYOND THE LIP-OF-CURB.
5. DO NOT BLOCK ADA RAMPS OR WALKWAYS WITH BAGS.
6. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
7. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM		CHECKED: JCF		APPROVED: MCC	
EFFECTIVE DATE:				SCALE: NTS	
		CURB GRAVEL OR SAND BAGS			DETAIL: 608



**CURB GRAVEL BAG**

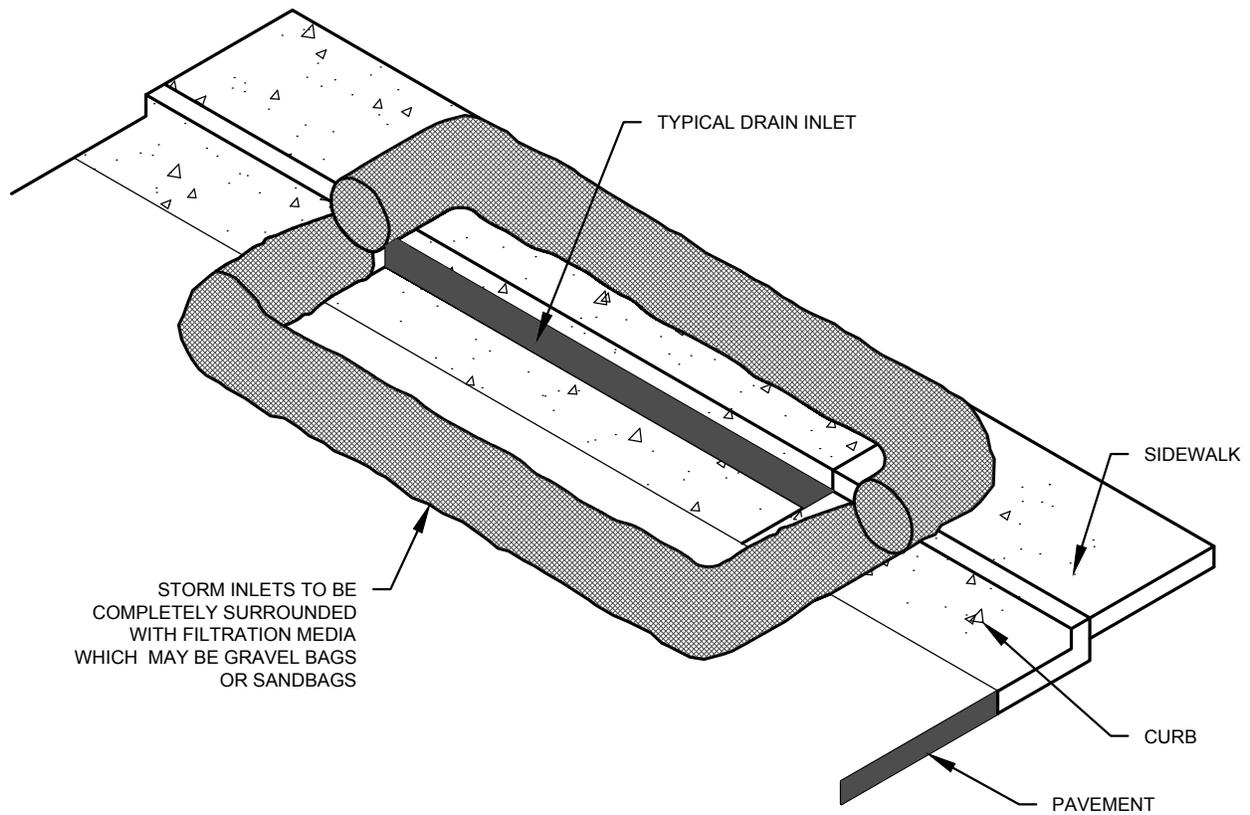


**CURB COLD-MIX TEMPORARY ASPHALT**

**NOTES:**

1. FILL BAGS TO 60% CAPACITY WITH CLEAN GRAVEL NO LESS THAN 1" DIAMETER AND NO GREATER THAN 2" DIAMETER.
2. PLACE BAGS WITH BAG OPENINGS SECURED AND FACE UP, AND SO THAT EACH BAG IS FLAT AND HAS THE GREATEST POSSIBLE SURFACE AREA CONTACT WITH THE CURB.
3. PLACE BAGS AGAINST THE PIPE AND FACE-OF-CURB . DO NOT PLACE BAGS BEYOND THE LIP-OF-CURB.
4. DO NOT BLOCK ADA RAMPS OR WALKWAYS WITH BAGS.
5. DO NOT PLACE TEMPORARY ASPHALT BEYOND LIP-OF-CURB.
6. PIPE MUST EXTEND ACROSS FULL LENGTH OF TEMPORARY CURB PROTECTION AND BE COMPLETELY EXPOSED AT BOTH ENDS.
7. MINIMUM 4" THICK LAYER OF GRAVEL OR ASPHALT REQUIRED OVER ALL PARTS OF AFFECTED CURB.
8. MAXIMUM WIDTH OF CURB PROTECTION IS 30'.
9. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
10. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM		CHECKED: JCF		APPROVED: MCC	
EFFECTIVE DATE:			SCALE: NTS		
MIDLAND Engineering Services			TEMPORARY CURB PROTECTION		DETAIL:  609



## GRAVEL BAGS OR SANDBAGS

**NOTES:**

1. FILL BAGS TO 60% CAPACITY WITH CLEAN GRAVEL OR CLEAN SAND.
2. PLACE BAGS WITH BAG OPENINGS SECURED AND FACE UP, AND SO THAT EACH BAG IS FLAT AND HAS THE GREATEST POSSIBLE SURFACE AREA CONTACT WITH THE SURFACE.
3. GRAVEL TO BE NO LESS THAN 1" DIAMETER OR GREATER THAN 2" DIAMETER.
4. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS
5. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES REPRESENTATIVE.

DRAWN: DPM	CHECKED: JCF	APPROVED: MCC	
	EFFECTIVE DATE:	SCALE: NTS	DETAIL:
	<b>CURB INLET PROTECTION</b>		<b>610</b>