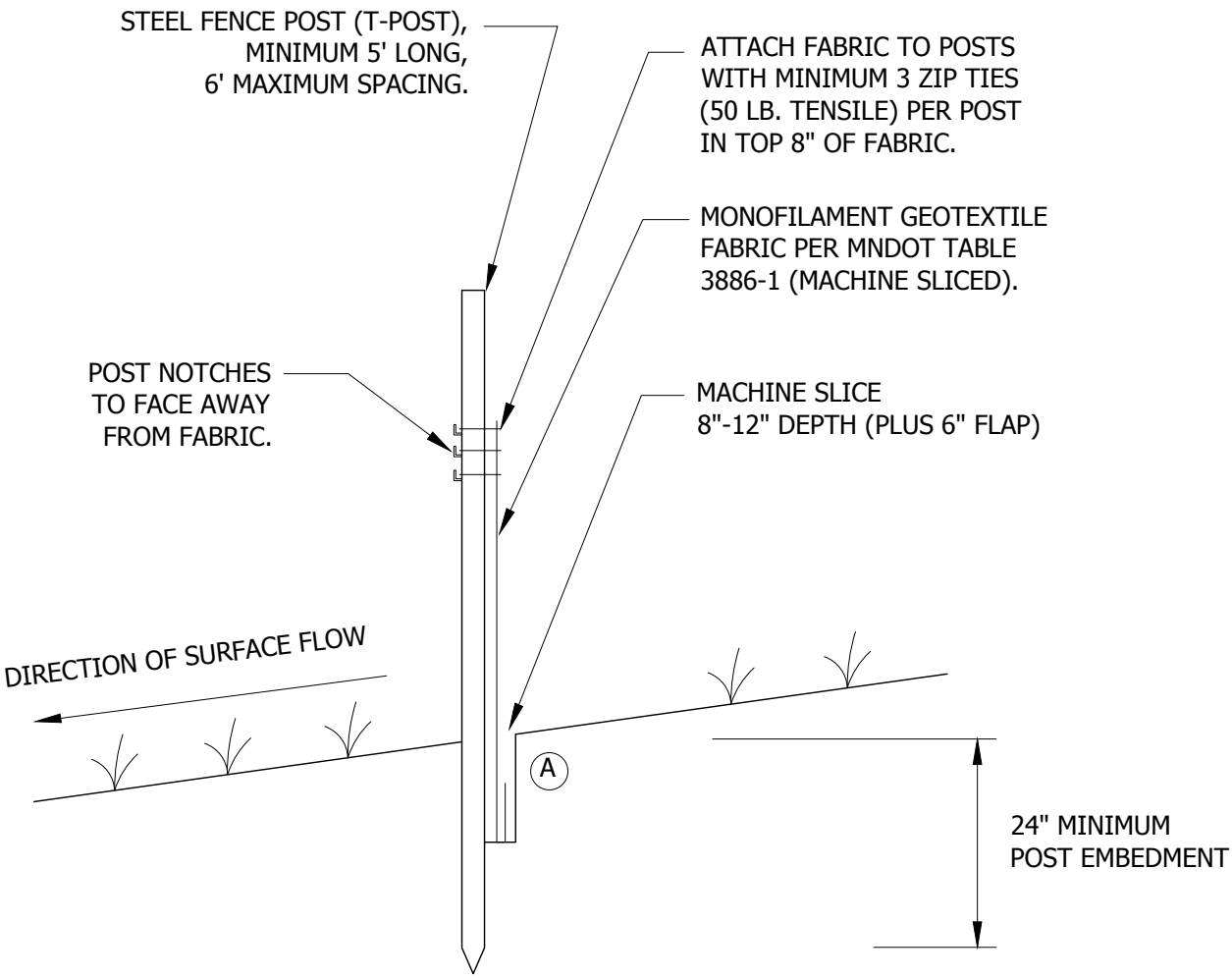
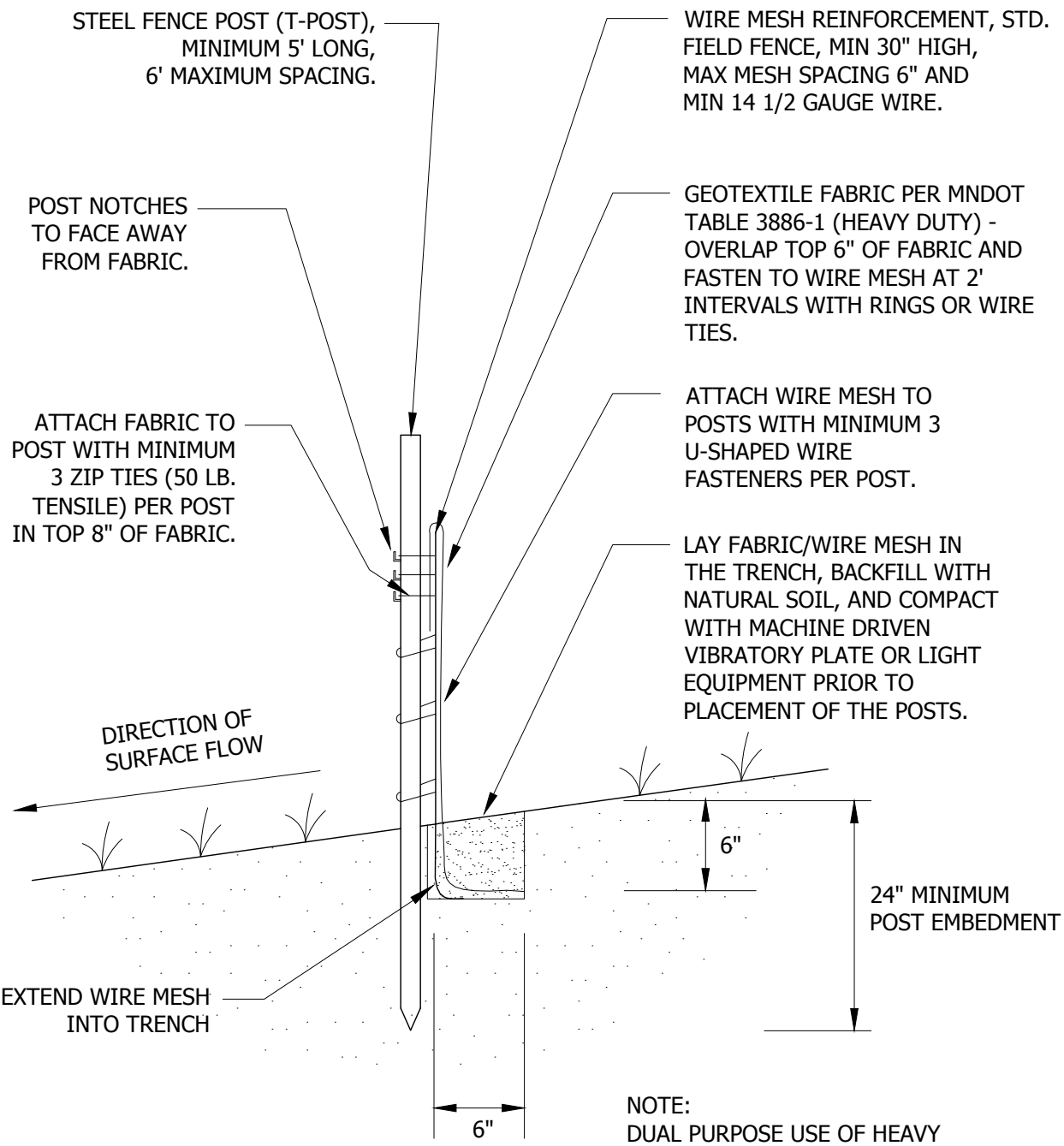


NOTE:
THE MACHINE SLICED METHOD (THIS DETAIL) IS THE STANDARD SILT FENCE INSTALLATION METHOD. HEAVY-DUTY (ERO-1B) OR STANDARD (ERO-1C) SILT FENCE INSTALLATION METHODS SHOULD ONLY BE USED WHEN APPROVED OR DIRECTED BY THE CITY.

(A) COMPACTION:
AFTER "SLICING" IN THE FABRIC AND *BEFORE* INSTALLATION OF STEEL POSTS, DRIVE INSTALLATION EQUIPMENT OVER THE "SLICE" WHILE FABRIC IS LAYING ON THE GROUND. *THEN* INSTALL STEEL POSTS AND PULL UP FABRIC TO ATTACH AT A UNIFORM HEIGHT.

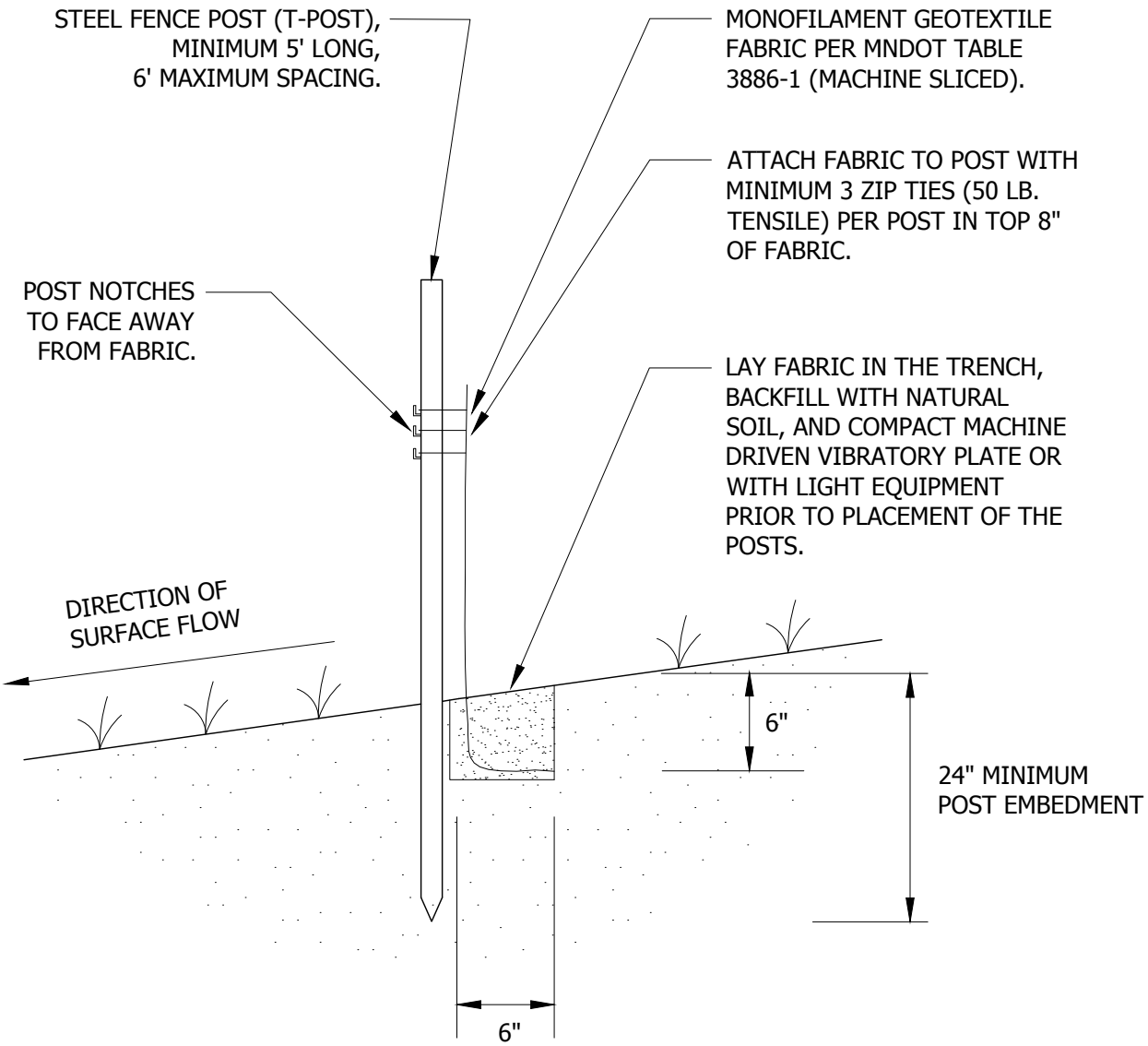
CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS SILT FENCE - MACHINE SLICED	Revised 1/2019	Standard Plate No. ERO-1A



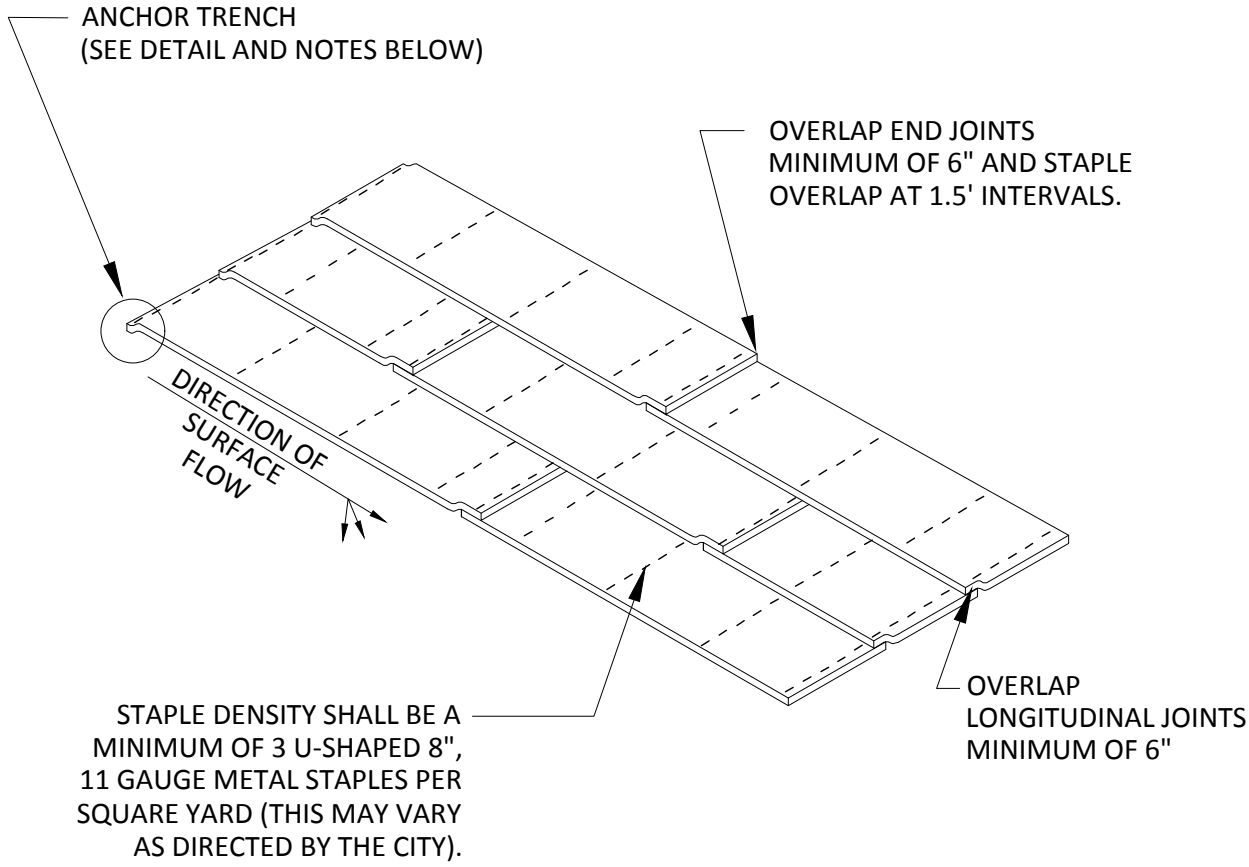
NOTE:
HEAVY DUTY SILT FENCE FOR CURB PROTECTION REQUIRE POSTS TO BE INSTALLED ON HOUSE SIDE OF FABRIC.

NOTE:
DUAL PURPOSE USE OF HEAVY DUTY FENCE FOR PERIMETER CONTROL AND CURB PROTECTION REQUIRE STEEL POSTS ALTERNATING ON BOTH SIDES OF FABRIC WITH 4' SPACING. SEE LAND DISTURBANCE PERMIT.

	STANDARD DETAILS	Revised	Standard Plate No.
CHISAGO CITY Gateway to the Lakes	SILT FENCE - HEAVY DUTY	1/2019	ERO-1B

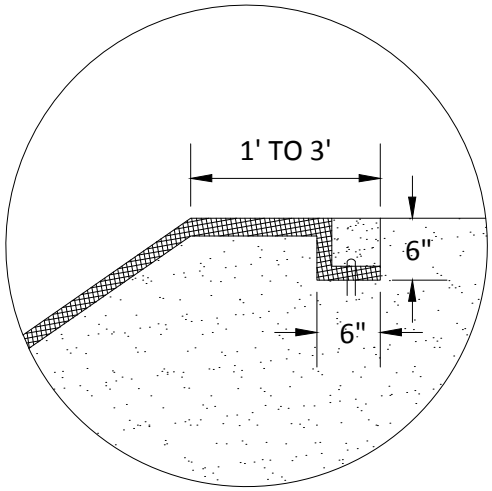


CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS SILT FENCE - STANDARD	Revised 1/2019	Standard Plate No. ERO-1C

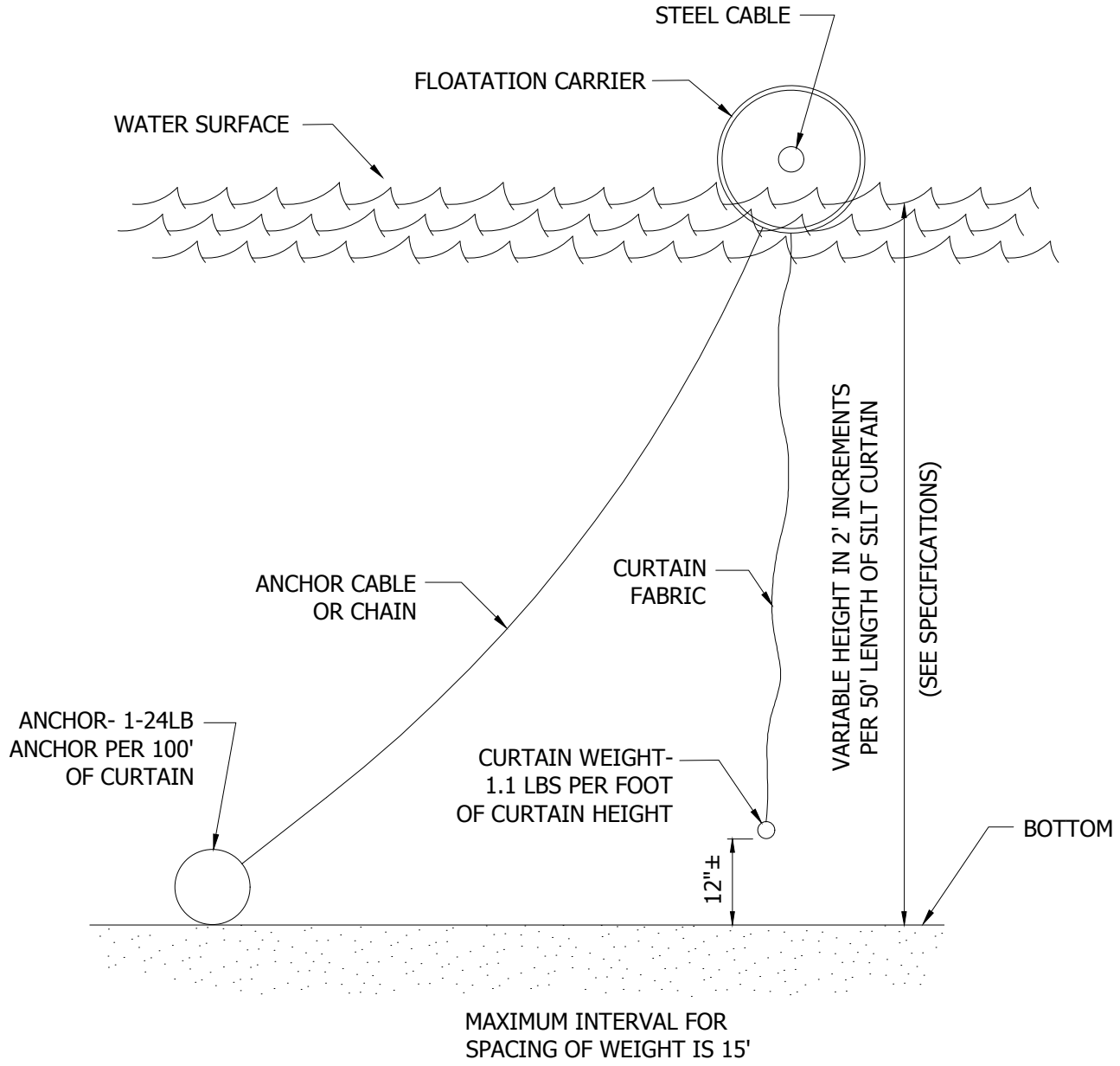


ANCHOR TRENCH

1. DIG 6" X 6" TRENCH
2. LAY BLANKET IN TRENCH
3. STAPLE AT 1.5' INTERVALS
4. BACKFILL WITH NATURAL SOIL AND COMPACT
5. BLANKET LENGTH SHALL NOT EXCEED 100' WITHOUT AN ANCHOR TRENCH



CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS EROSION CONTROL BLANKET INSTALLATION	Revised 1/2019	Standard Plate No. ERO-2



NOTES:
- DOUBLE SILT CURTAINS SHOULD BE SPACED 10' APART.
- CURTAIN LENGTH TO MATCH BOTTOM PROFILE AS CLOSELY AS POSSIBLE.

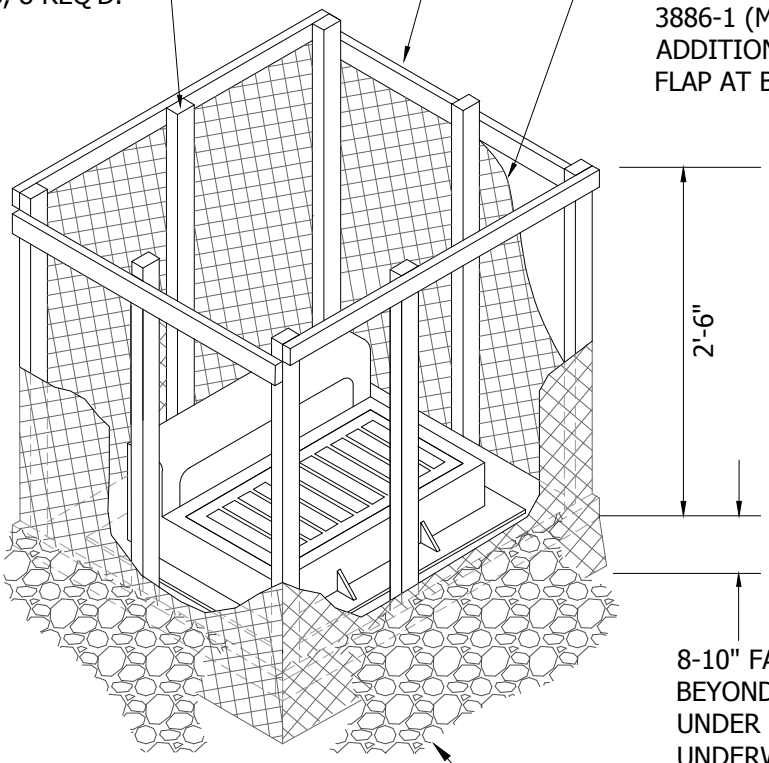
	STANDARD DETAILS FLOATING SILT CURTAIN	Revised 1/2019	Standard Plate No. ERO-3

WOODEN LATH SHALL BE NAILED SECURELY TO THE POST MEMBER TO SECURE FILTER FABRIC.

2" X 4" HORIZONTAL MEMBERS CONTINUOUS AROUND TOP AND BOTTOM. FASTENED TO EACH POST USING 2-20D COMMON NAILS

2" X 4" X 2.5' LONG WOOD POSTS, 8 REQ'D.

MONOFILAMENT GEOTEXTILE FABRIC AS PER MNDOT TABLE 3886-1 (MACHINE SLICED). ADDITIONAL 8-10" OF FABRIC FLAP AT BOTTOM OF BOX



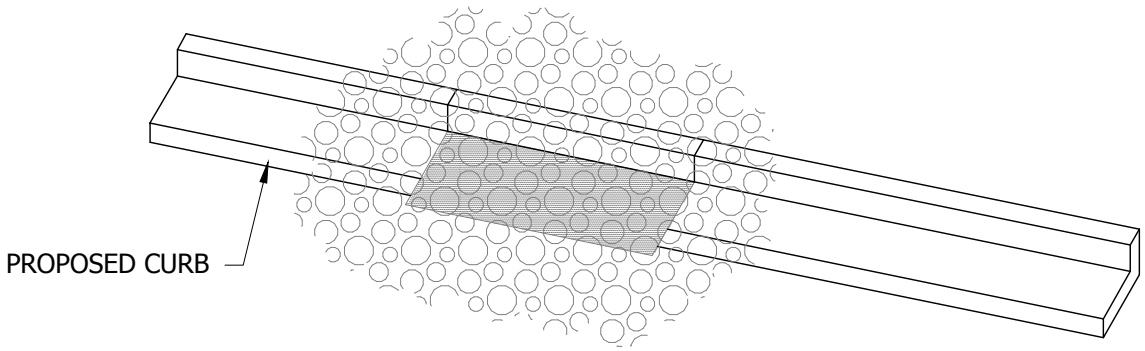
8-10" FABRIC FLAP EXTENDING BEYOND BOTTOM 2"x4" - BURY UNDER ROCK TO PREVENT UNDERWASHING

1 1/2" WASHED ROCK
1' DEEP X 1' WIDE

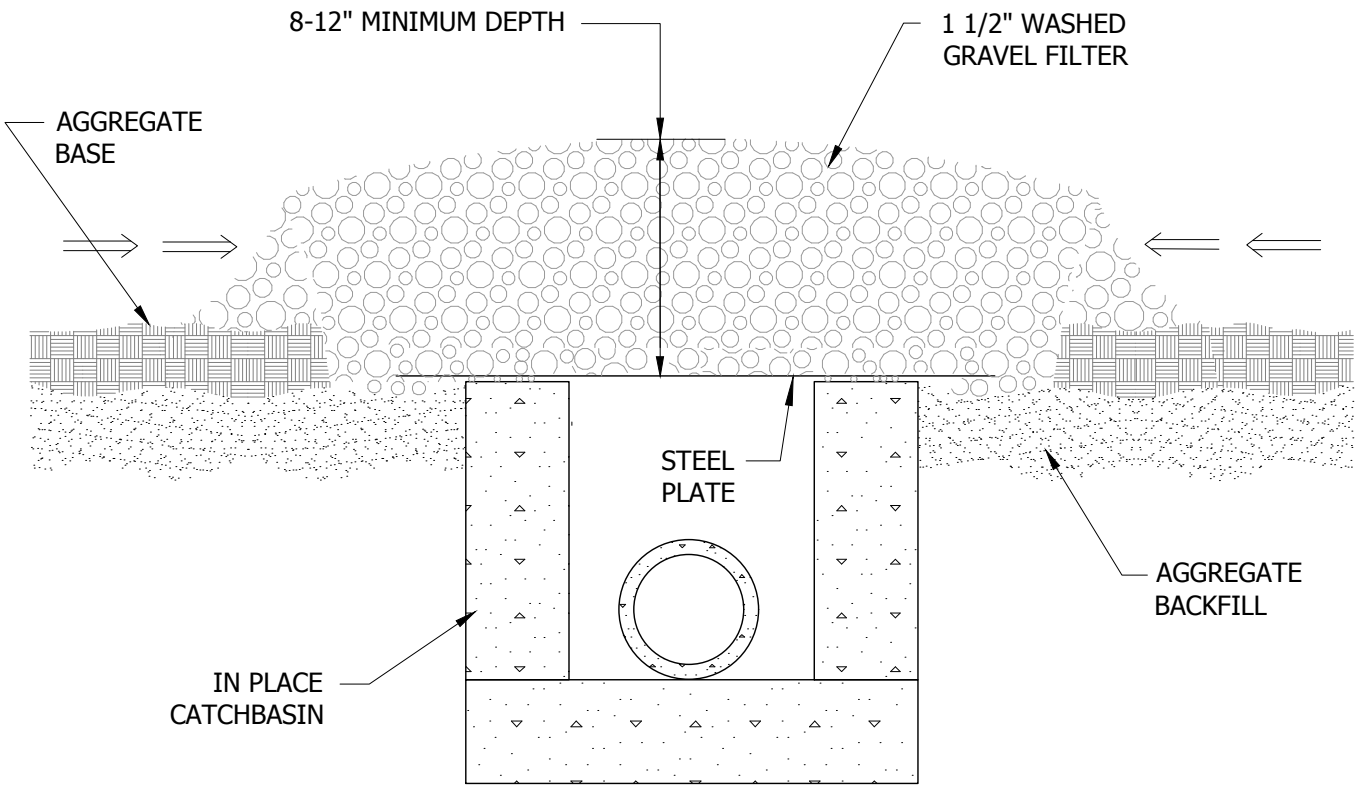
NOTES:
CONTRACTOR SHALL CONSTRUCT SILT BOX TO FIT AROUND THE INLET STRUCTURE WITH 6" MINIMUM CLEARANCE TO EDGES OF STRUCTURE. SILT BOX TO BE PLACED ON AN EVEN SURFACE 6" BELOW STRUCTURE OPENING. TOP OF SILT BOX TO EXTEND 18" MINIMUM ABOVE EXISTING GRADE.

CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS INLET PROTECTION -SILT BOX FOR CATCH BASIN BEFORE CONSTRUCTION	Revised 1/2019	Standard Plate No. ERO-4A

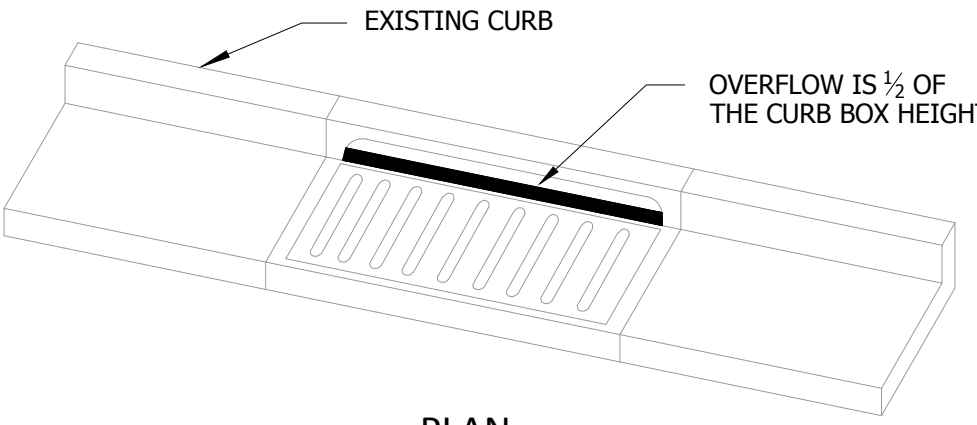
PLAN



⟸ = DIRECTION OF SURFACE FLOW

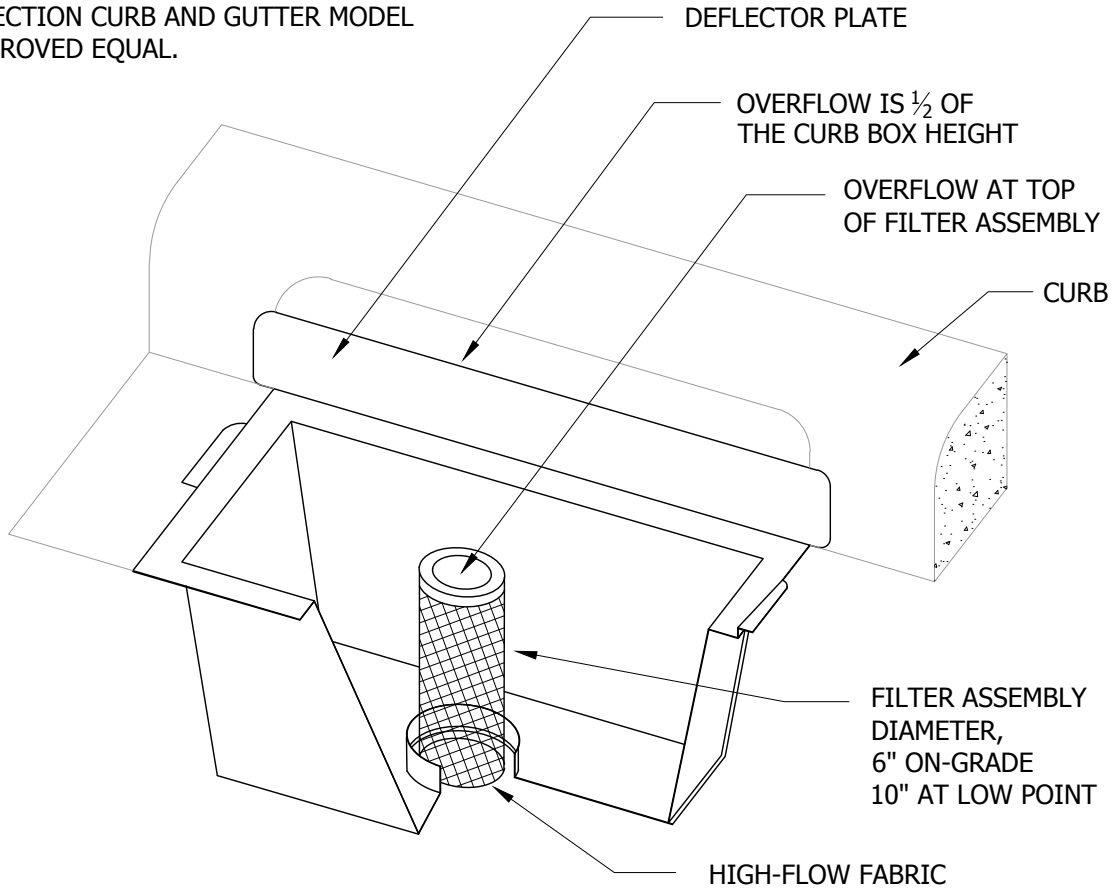


CHISAGO CITY Gateway to the Lakes	**STANDARD DETAILS** INLET PROTECTION -ROCK FILTER FOR CATCH BASIN DURING ROAD CONSTRUCTION	Revised 1/2019	Standard Plate No. ERO-4B



PLAN

WIMCO ROAD DRAIN CG-23* HIGH FLOW
INLET PROTECTION CURB AND GUTTER MODEL
OR CITY APPROVED EQUAL.



* FOR THE NEW R-3067-VB STANDARD CASTING,
INSTALL WIMCO ROAD DRAIN
CG-3290 OR CITY APPROVED EQUAL.

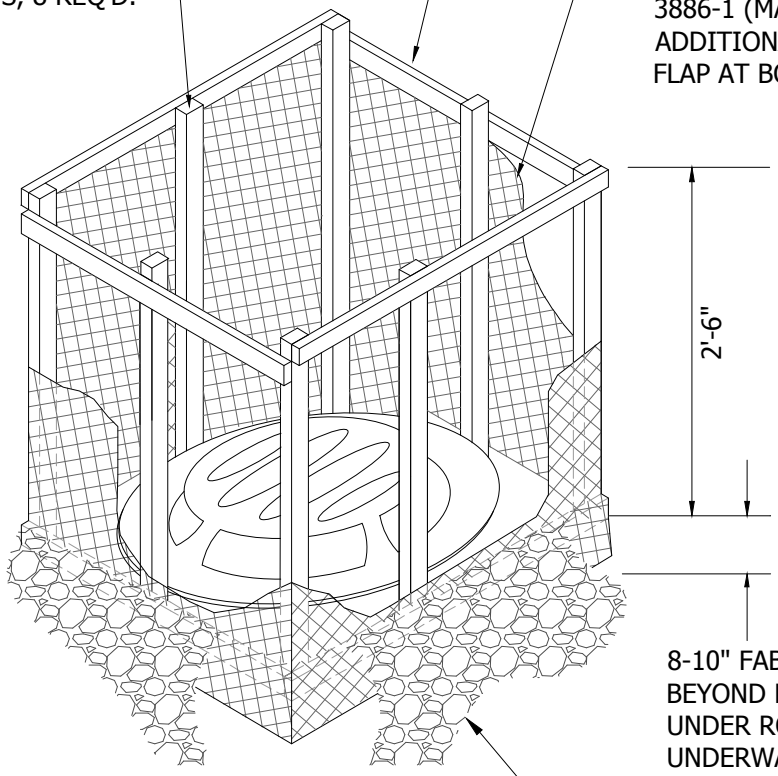
CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS INLET PROTECTION - CATCH BASIN INSERT AFTER PAVING	Revised 1/2019	Standard Plate No. ERO-4C

WOODEN LATH SHALL BE NAILED SECURELY TO THE POST MEMBER TO SECURE FILTER FABRIC.

2" X 4" HORIZONTAL MEMBERS CONTINUOUS AROUND TOP AND BOTTOM. FASTENED TO EACH POST USING 2-20D COMMON NAILS

2" X 4" X 2.5' LONG WOOD POSTS, 8 REQ'D.

MONOFILAMENT GEOTEXTILE FABRIC AS PER MNDOT TABLE 3886-1 (MACHINE SLICED). ADDITIONAL 8-10" OF FABRIC FLAP AT BOTTOM OF BOX

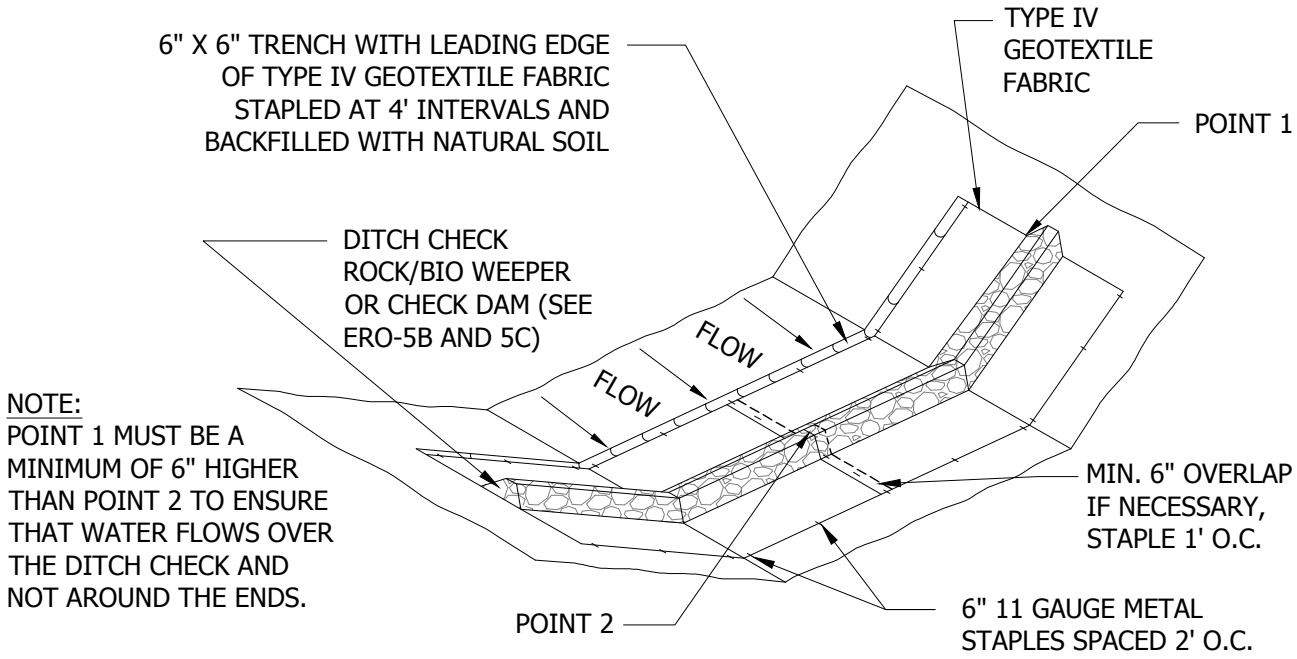


8-10" FABRIC FLAP EXTENDING BEYOND BOTTOM 2"x4" - BURY UNDER ROCK TO PREVENT UNDERWASHING

1 1/2" WASHED ROCK
1' DEEP X 1' WIDE

NOTES:
CONTRACTOR SHALL CONSTRUCT SILT BOX TO FIT AROUND THE INLET STRUCTURE WITH 6" MINIMUM CLEARANCE TO EDGES OF STRUCTURE. SILT BOX TO BE PLACED ON AN EVEN SURFACE 6" BELOW STRUCTURE OPENING. TOP OF SILT BOX TO EXTEND 18" MINIMUM ABOVE EXISTING GRADE.

CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS INLET PROTECTION -SILT BOX FOR BEEHIVE CASTING	Revised 1/2019	Standard Plate No. ERO-4D



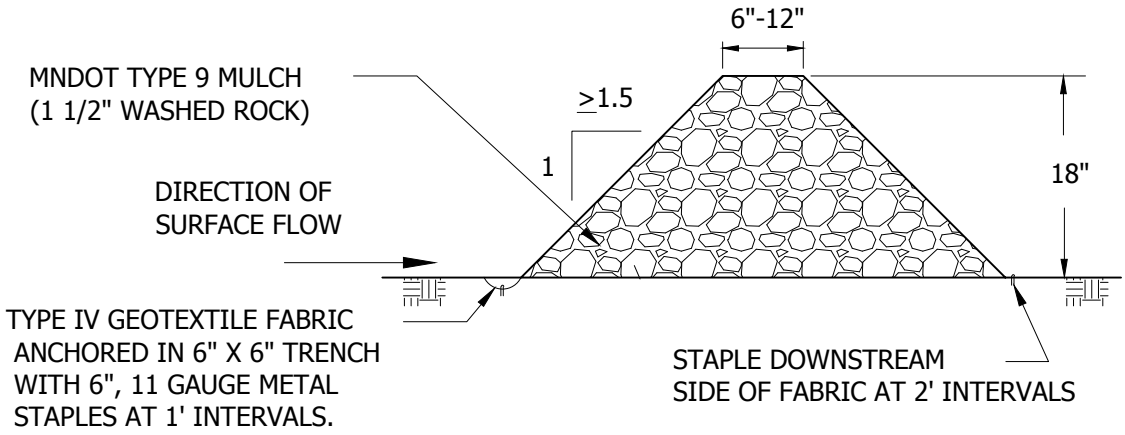
DITCH CHECK SPACING

(USE FOR DETAILS ERO-5B AND 5C)

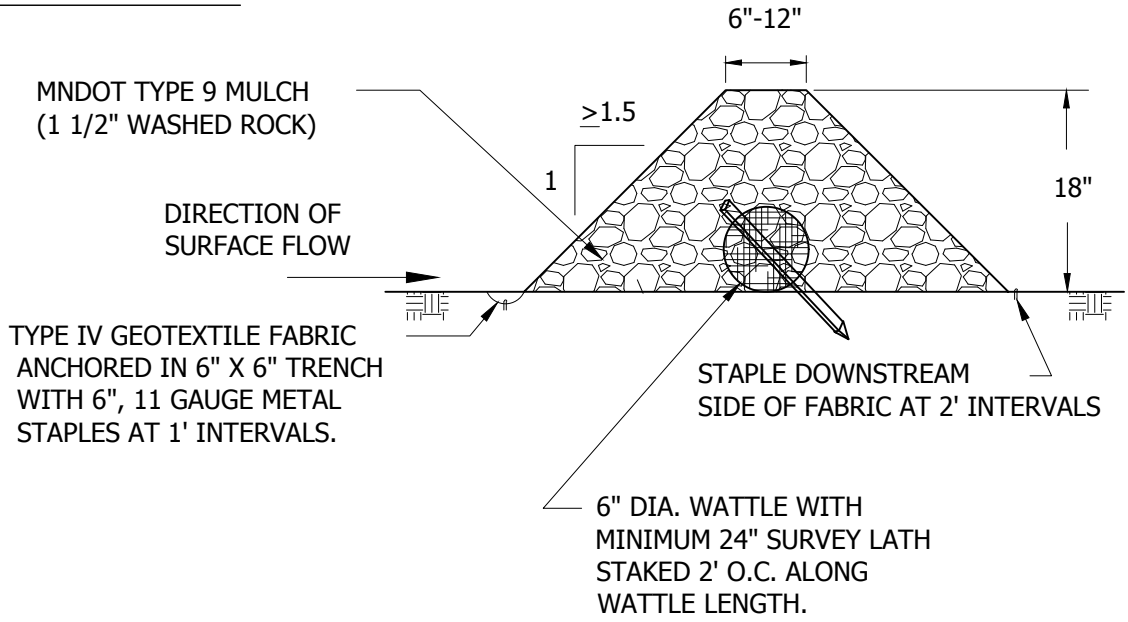
DITCH GRADE	INTERVAL
(%)	(FT)
2	100
4	75
6	50
8	40
10	25
10+	25

CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS DITCH CHECK -3D VIEW FOR 5B, 5C AND SPACING	Revised 1/2019	Standard Plate No. ERO-5A

I. ROCK WEEPER

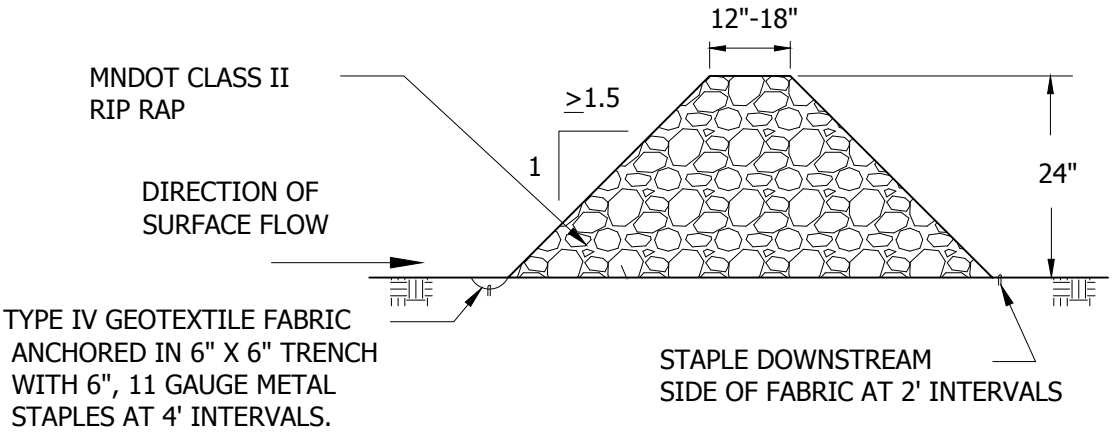


II. BIO WEEPER

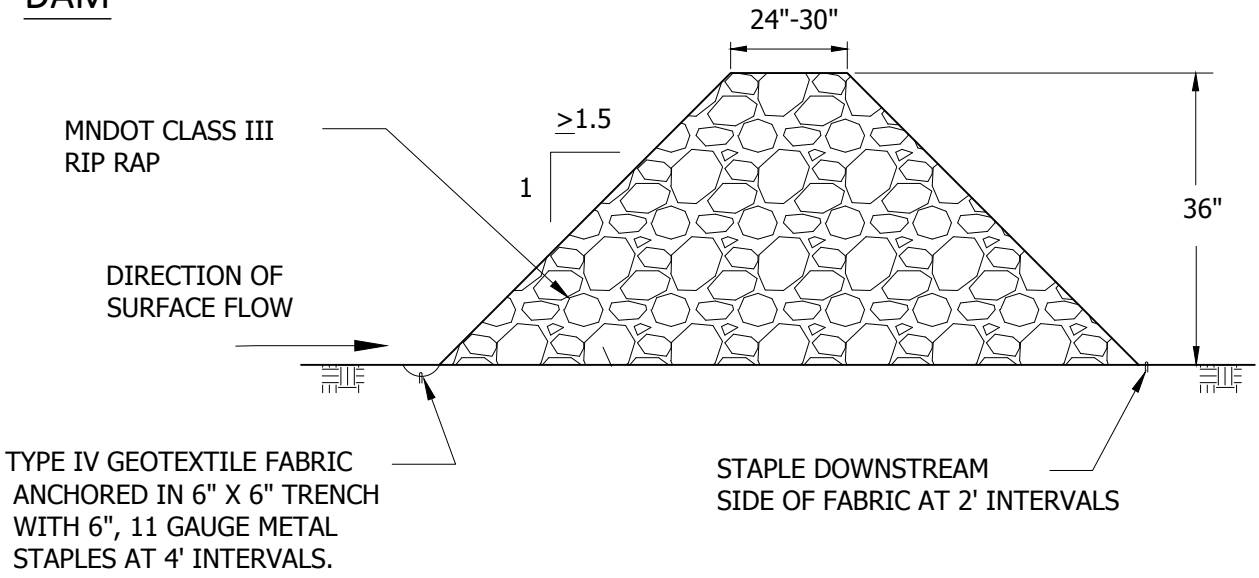


CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS DITCH CHECK -ROCK WEEPER AND BIO WEEPER	Revised 1/2019	Standard Plate No. ERO-5B

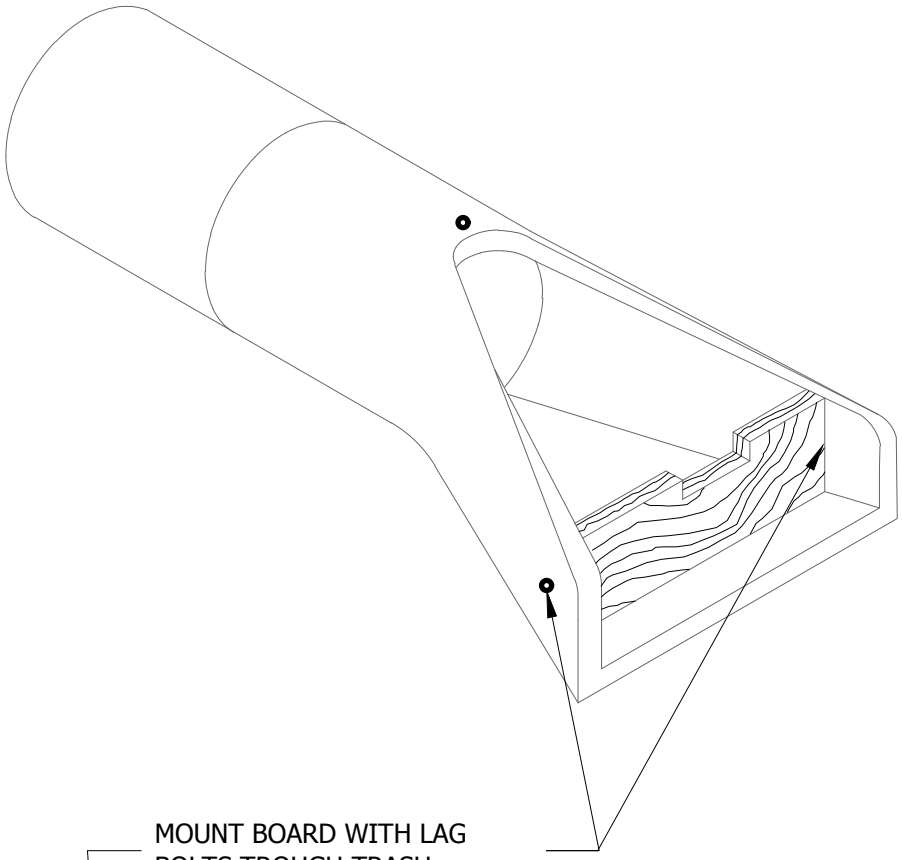
I. SMALL CHECK DAM



II. LARGE CHECK DAM

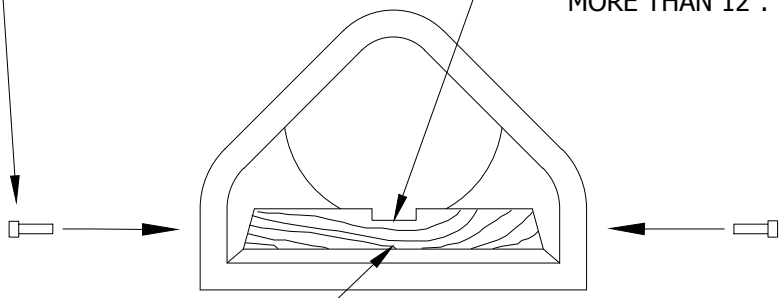


CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS DITCH CHECK -SMALL CHECK DAM AND LARGE CHECK DAM	Revised 1/2019	Standard Plate No. ERO-5C



MOUNT BOARD WITH LAG BOLTS TROUGH TRASH GUARD MOUNTING HOLES.

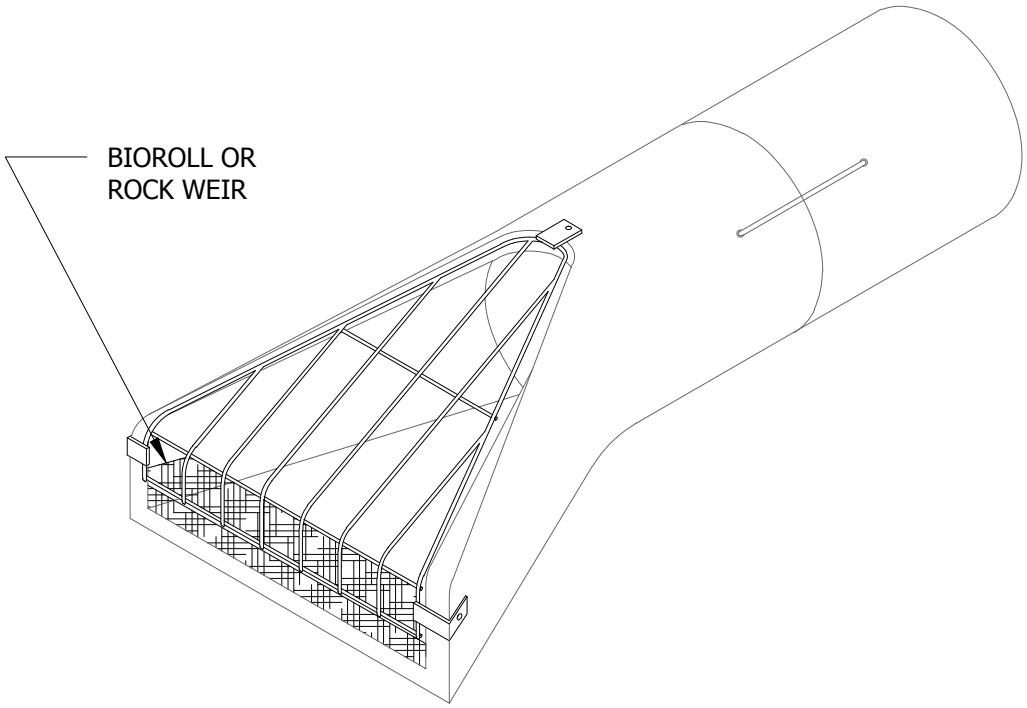
LENGTH OF NOTCH NOT TO EXCEED 33% OF PIPE DIAMETER AND NEVER MORE THAN 12".



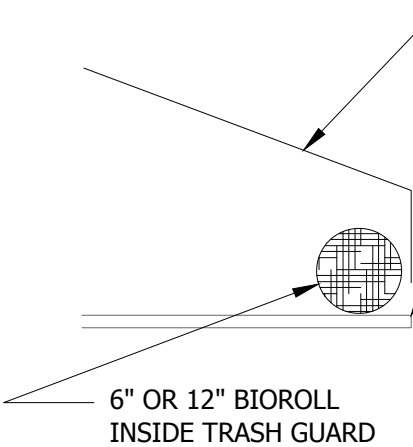
WEIR (2" x VARIABLE HEIGHT) NOT MORE THAN 33% OF PIPE DIAMETER AND NEVER MORE THAN 12".

NOTE:
1" NOTCH FOR WEIRS 4"-6" HIGH
2" NOTCH FOR WEIRS 6"-12" HIGH

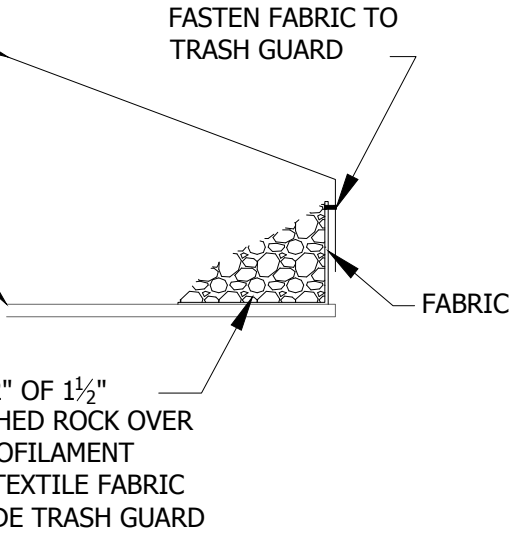
CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS PIPE CHECK - WOODEN WEIR	Revised 1/2019	Standard Plate No. ERO-6A



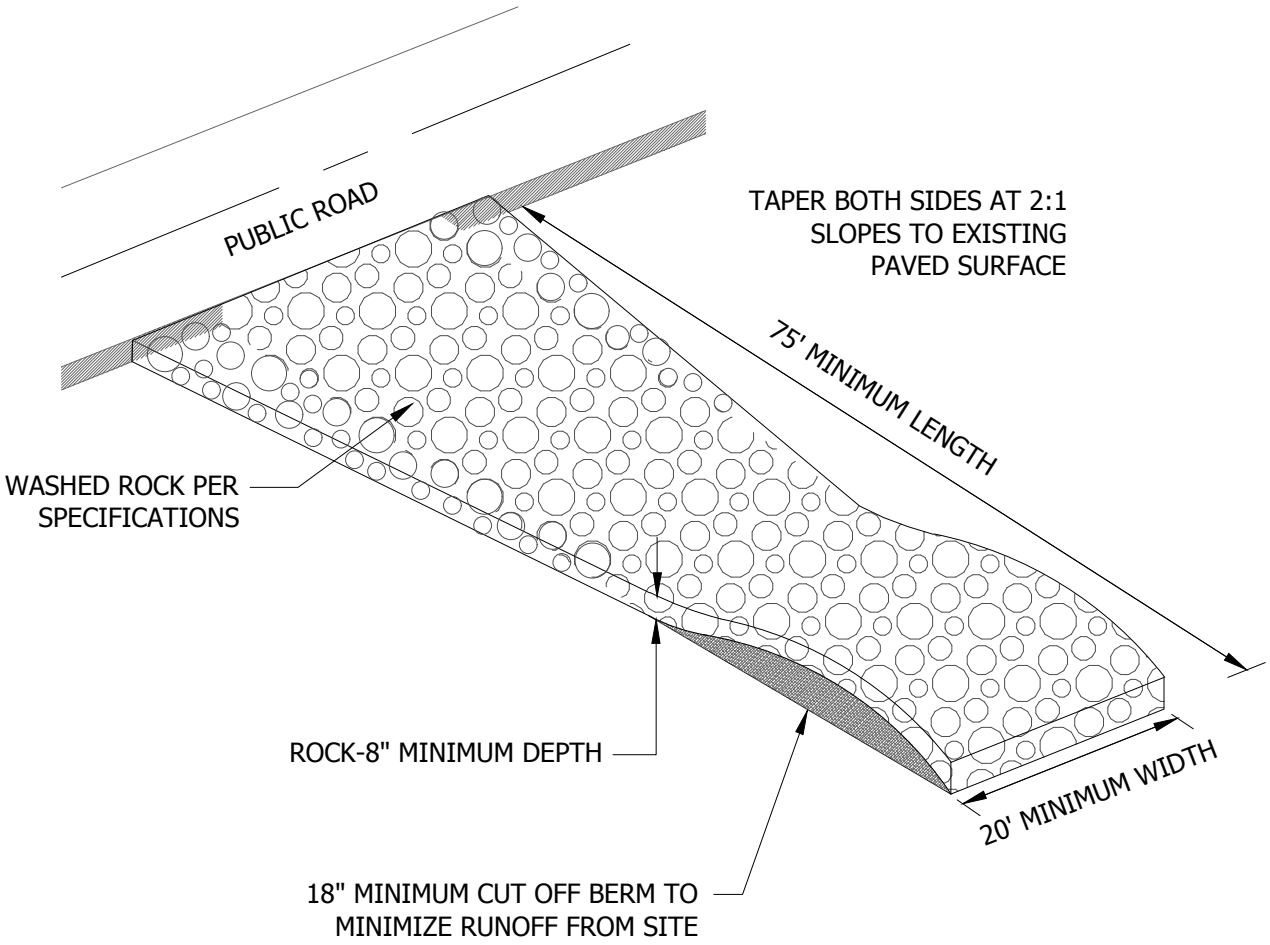
BIOROLL WEIR



ROCK WEIR



CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS PIPE CHECK BIO ROLL WEIR & ROCK WEIR	Revised 1/2019	Standard Plate No. ERO-6B



$\frac{3}{4}$" - 1" ROCK RESIDENTIAL 8" MINIMUM DEPTH
2" - 3" ROCK COMMERCIAL/INDUSTRIAL 8" MINIMUM DEPTH

NOTES:

1. FILTER FABRIC SHALL BE PLACED UNDER ROCK TO STOP MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.
3. WOOD CHIPS WILL NOT BE ALLOWED

CHISAGO CITY Gateway to the Lakes	STANDARD DETAILS ROCK CONSTRUCTION ENTRANCE	Revised 1/2019	Standard Plate No. ERO-7