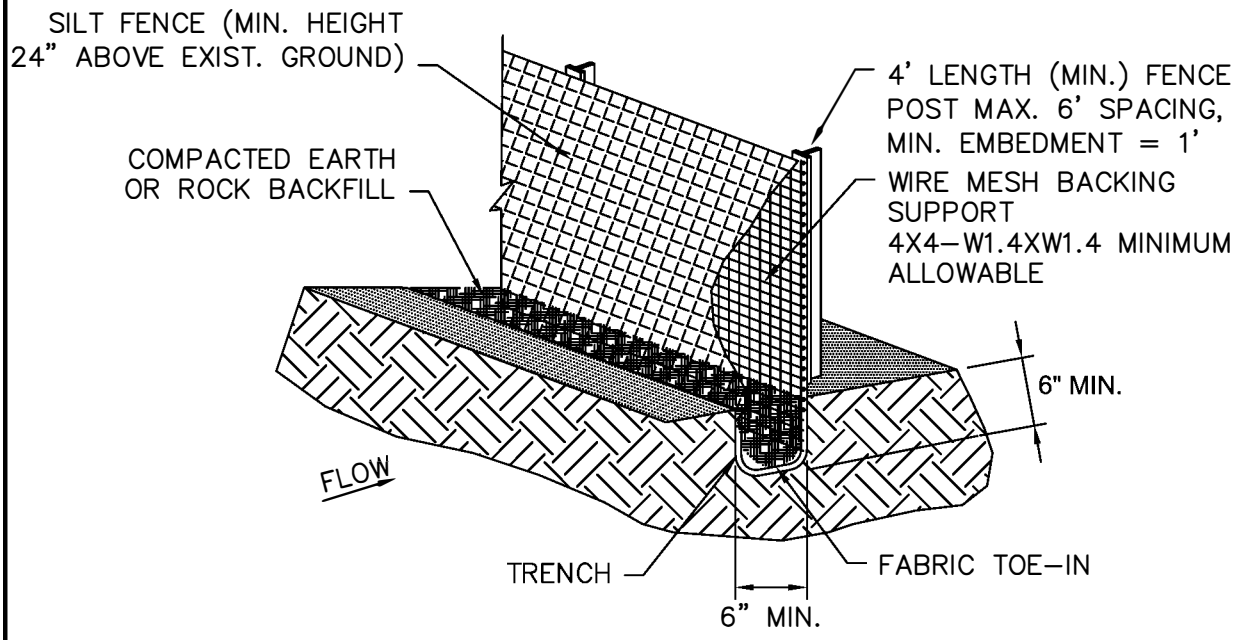
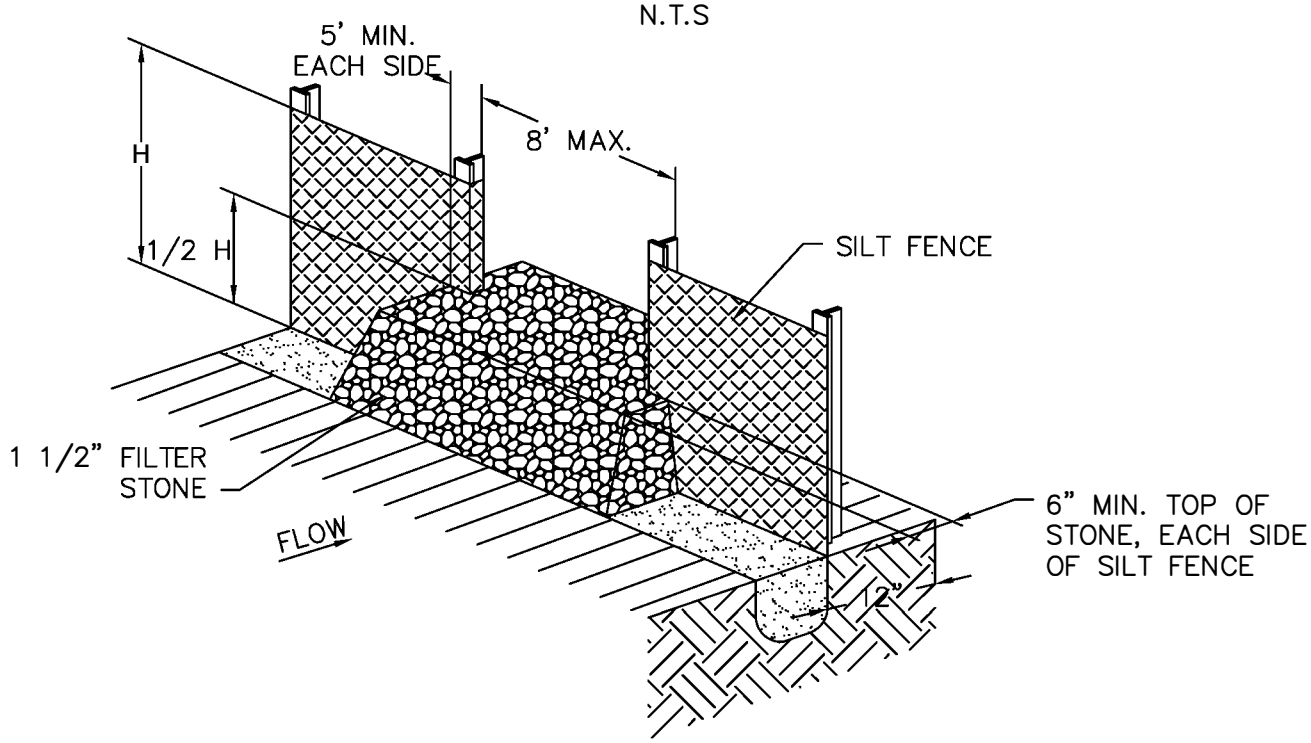


SILT FENCE

N.T.S



SILT FENCE OVERFLOW STRUCTURE

N.T.S

SILT FENCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.5	
		DATE AUG '23	STANDARD DRAWING NO. 1020A

SILT FENCE GENERAL NOTES:

1. DESIGN SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE OVERFLOW STRUCTURES SHALL BE INSTALLED. OVERFLOW STRUCTURES ARE REQUIRED AT ALL LOW POINTS AND AT A SPACING OF APPROXIMATELY 300 FEET WHERE NO LOW POINT IS APPARENT.

2. DESIGNER SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE SILT FENCE IS TO BE TURNED UPSLOPE AT THE ENDS. UPSLOPE LENGTHS SHALL BE A MINIMUM OF 10 FEET.

3. POST WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.

4. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.

5. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

6. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WIRE BACKING, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

7. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

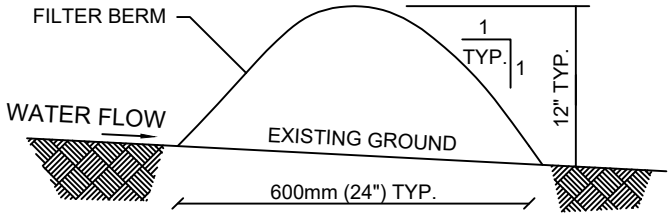
8. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.

9. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

10. SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.5

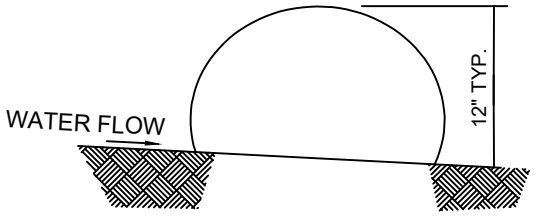
SILT FENCE GENERAL NOTES	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.5
		DATE AUG '23
		STANDARD DRAWING NO. 1020B

BERM OPTION:

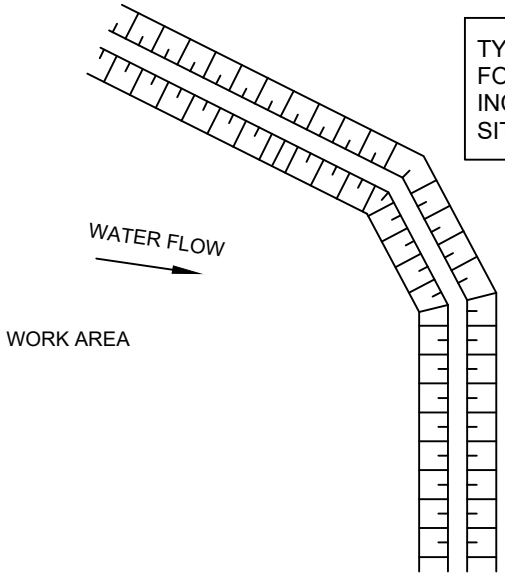


SOCK OPTION:

FILTER SOCK, SIZED TO SUIT CONDITIONS.
12" TO 18" (300mm TO 450mm) TYPICAL.



FILTER COMPOST MATERIAL
AS PER SPECIFICATIONS.



TYPICAL BERM FOR MINIMAL GRADES SHOWN.
FOR STEEPER GRADES, I.E. 2:1 SLOPES
INCREASE BERM SIZE AS DETERMINED ON
SITE BY ENGINEER.

NOTES:

1. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS.

2. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.

3. WHERE THE BERM REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.

4. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.

5. THE COMPOST FILTER BERM WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

M* - CITY OF MELISSA REVISION

EROSION CONTROL BERM

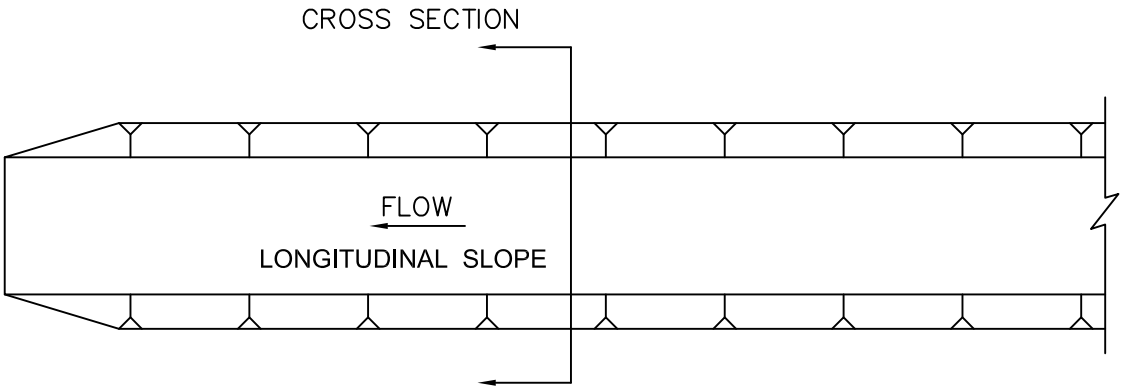
CITY OF MELISSA

MELISSA TX

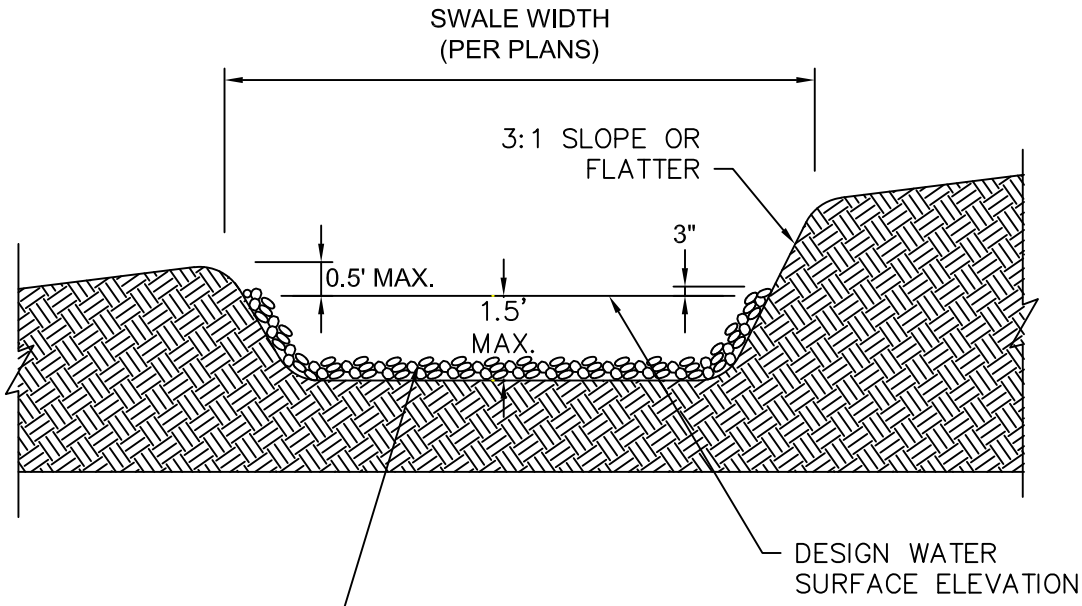
NCTCOG STANDARD SPECIFICATION REFERENCE
201

DATE
11/13/08

STANDARD DRAWING NO.
1020AM*



INTERCEPTOR SWALE PLAN VIEW
N.T.S.



FOR SWALE MATERIAL, SEE NOTE 6

INTERCEPTOR SWALE CROSS SECTION
N.T.S.

INTERCEPTOR SWALE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.6	
		DATE AUG '23	STANDARD DRAWING NO. 1030A

INTERCEPTOR SWALE GENERAL NOTES:

1. ALL TREES, BRUSH, STUMPS, OBSTUCTIONS AND OTHER MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.

2. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS-SECTION AS REQUIRED TO MEET CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.

3. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE DISPOSED OF IN AN APPROVED SPOILS SITE SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.

4. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.

5. THE ON-SITE LOCATION MAY NEED TO BE ADJUSTED TO MEET FIELD CONDITIONS IN ORDER TO UTILIZE THE MOST SUITABLE OUTLET.

6. FOR LONGITUDINAL SLOPES LESS THAN 2 PERCENT AND VELOCITIES LESS THAN 6 FEET PER SECOND, THE MINIMUM REQUIRED SWALE STABILIZATION SHALL BE GRASS, EROSION CONTROL MATS OR MULCHING. FOR LONGITUDINAL SLOPES IN EXCESS OF 2 PERCENT OR VELOCITIES EXCEEDING 6 FEET PER SECOND, STABILIZATION IS REQUIRED IN THE FORM OF TURF REINFORCEMENT MATS (OR STABILIZED RIP-RAP WITH APPROPRIATE SIZE, GRADATION, AND THICKNESS AS SPECIFIED IN THE PLANS). SEE NOTES 9 AND 10.

7. MINIMUM COMPACTION FOR THE SWALE SHALL BE 95 PERCENT STANDARD PROCTOR.

8. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.

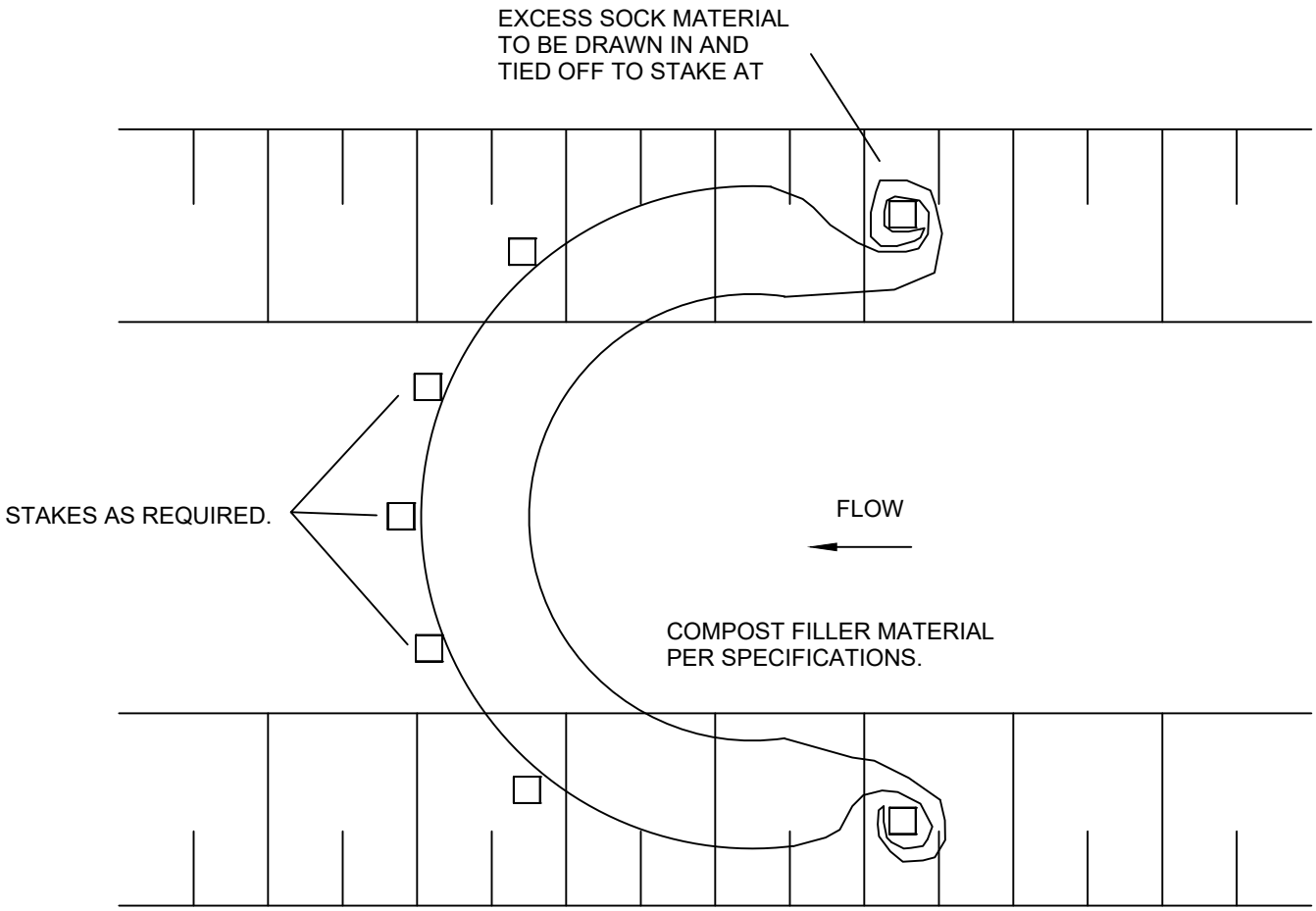
9. FOR TEMPORARY STABILIZATION RIP-RAP; WIDTH, DEPTH, AND SURFACE WATER ELEVATION SHOULD BE DESIGNED BY OWNER OR OWNER'S REPRESENTATIVE

10. REFER TO DRAWING 1210A, B, AND C FOR TURF REINFORCEMENT MAT.

11. SEE INTEGRATED STORMWATER MANAGEMENT MANUAL FOR MORE INFORMATION ON INTERCEPTOR SWALE.

INTERCEPTOR SWALE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE	
GENERAL NOTES		202.6	
		DATE	STANDARD DRAWING NO.
		AUG '23	1030B

FLITER SOCK SIZING TO SUIT CONDITIONS,
(8" TO 18" TYPICAL)



NOTES:

1. ALL MATERIAL TO MEET CITY OF MELISSA SPECIFICATIONS.

2. COMPOST MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE CITY ENGINEER.

M* - CITY OF MELISSA REVISION

DITCH PROTECTION

CITY OF MELISSA

MELISSA TX

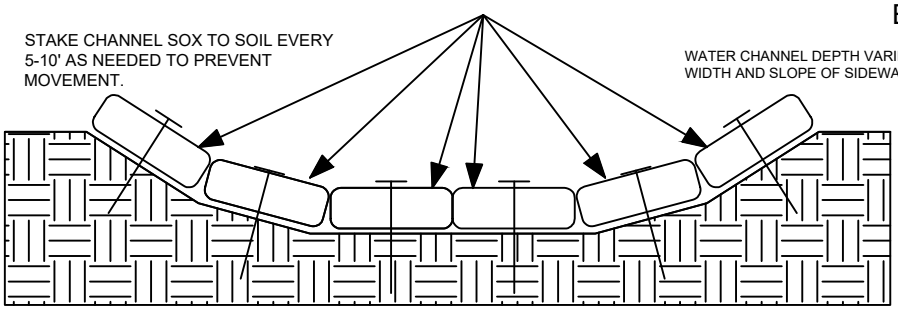
NCTCOG STANDARD SPECIFICATION REFERENCE
201

DATE
11/13/08

STANDARD DRAWING NO.
1040AM*

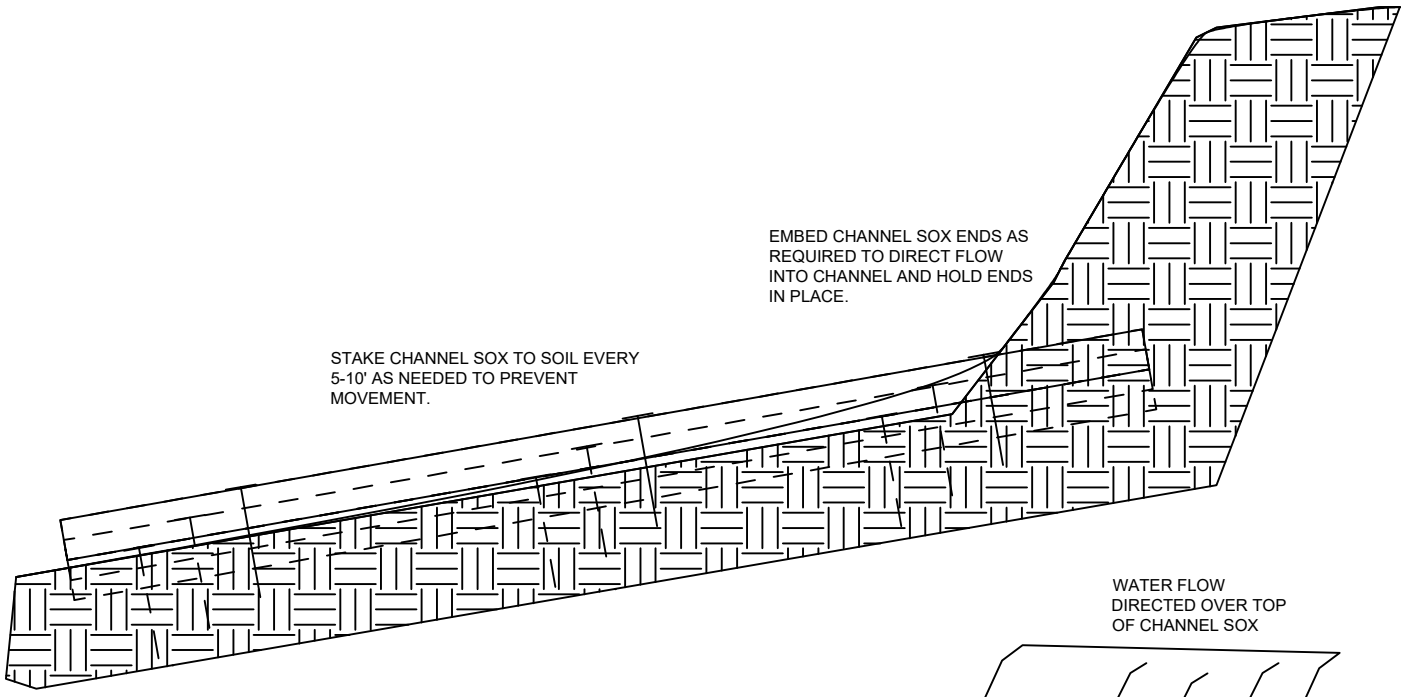
12" CHANNEL SOX

CHANNEL SOX PLACED IN EXISTING CHANNEL



USE SUFFICIENT CHANNEL SOX TO COMPLETELY LINE AREA OF WATER FLOW

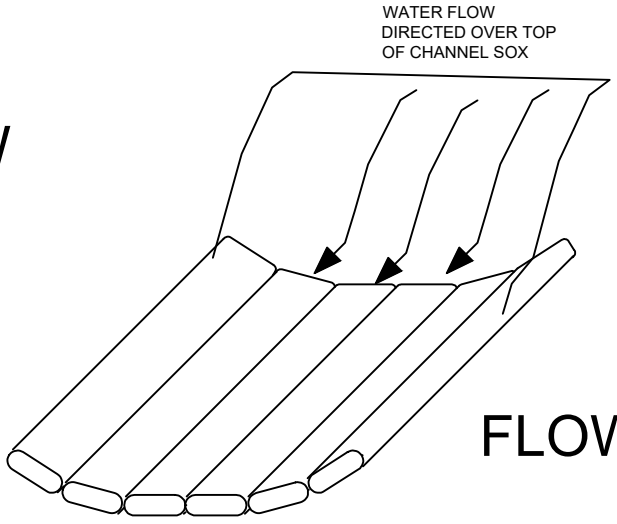
END VIEW



SIDE VIEW

NOTES:

1. ALL MATERIAL TO MEET CITY OF MELISSA SPECIFICATIONS.
2. THE CONTRACTOR SHAL MAINTAIN THE COMPOST FILTER SOX IN FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.



FLOW

M* - CITY OF MELISSA REVISION

CHANNEL EROSION CONTROL

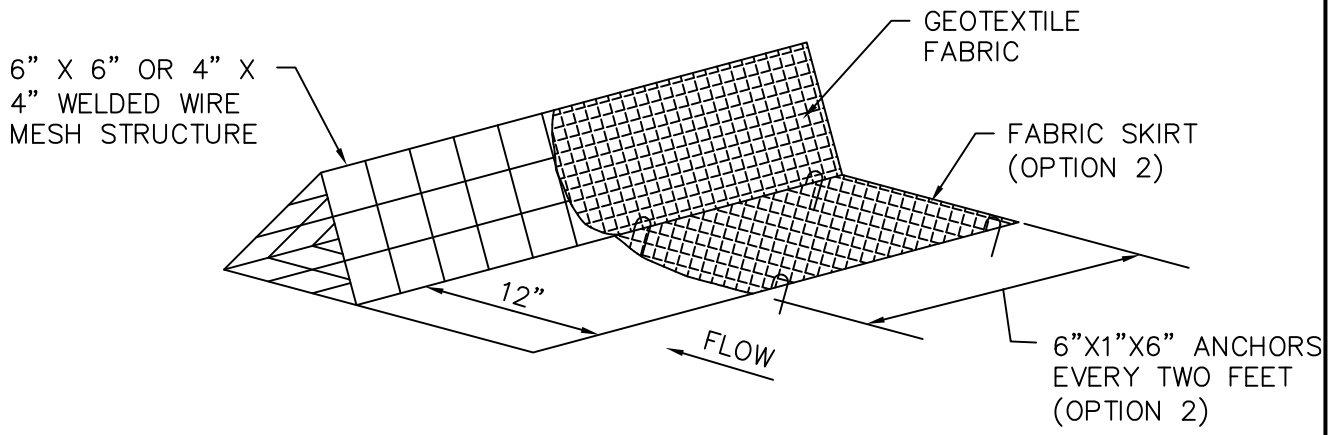
CITY OF MELISSA

MELISSA TX

NCTCOG STANDARD SPECIFICATION REFERENCE
201

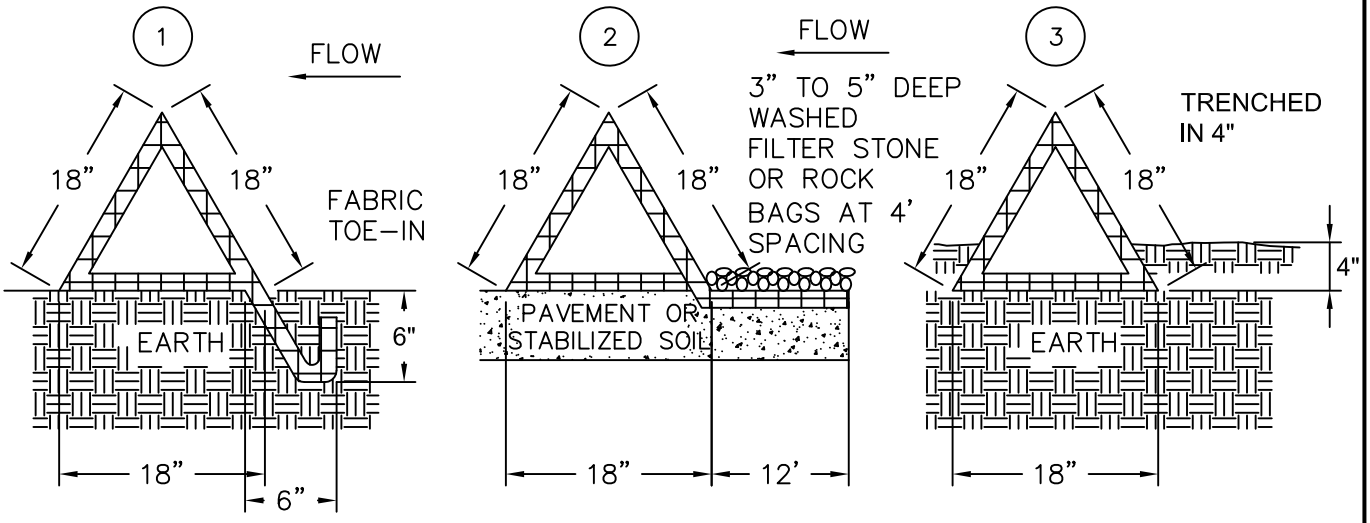
DATE
11/13/08

STANDARD DRAWING NO.
1040BM*



ISOMETRIC PLAN VIEW

N.T.S



1. TOE–IN 6" MIN.
2. FABRIC SKIRT WEIGHTED WITH FILTER STONE
   (ROCK BAGS MAY BE SUBSTITUTED FOR FILTER STONE)
3. TRENCHED IN 4"

CROSS SECTION OF INSTALLATION OPTIONS

N.T.S

TRIANGULAR SEDIMENT FILTER DIKE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.8	
		DATE AUG '23	STANDARD DRAWING NO. 1050A

TRIANGULAR SEDIMENT FILTER DIKE GENERAL NOTES:

1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.

2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE, AND FABRIC SHALL BE OVERLAPPED A MINIMUM OF 12".

3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF TYPE 'A' RIP RAP, OR TOED–IN 6" WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED TO A DEPTH OF 4 INCHES.

4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 6–INCH WIRE STAPLES ON 2–FOOT CENTERS ON BOTH EDGES AND SKIRTS.

5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.

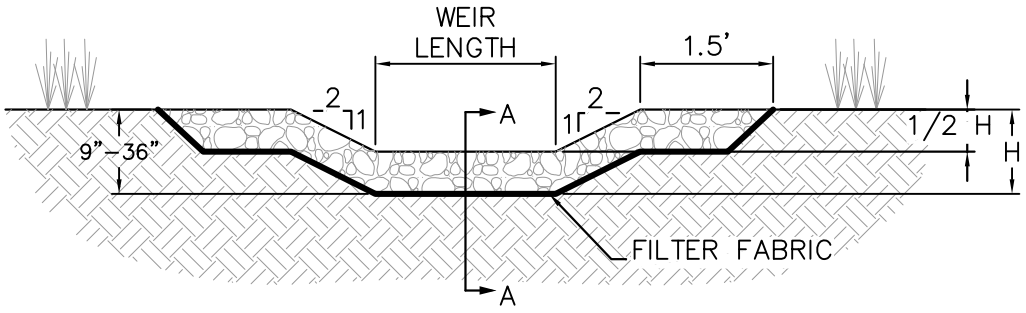
6. THE DIKE STRUCTURE SHALL BE W2.9–6" X 6" OR 4" X 4" WELDED WIRE MESH, 18" ON A SIDE.

7. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.

8. THE FILTER DIKE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.

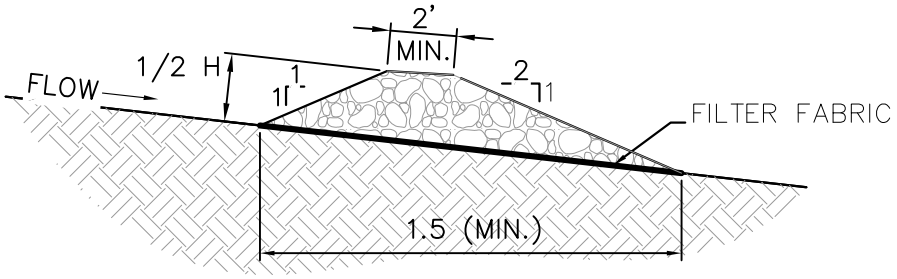
9. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES APPROXIMATELY 6–INCHES IN DEPTH. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

TRIANGULAR SEDIMENT FILTER DIKE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: 202.8
GENERAL NOTES		DATE: AUG '23 / STANDARD DRAWING NO.: 1050B



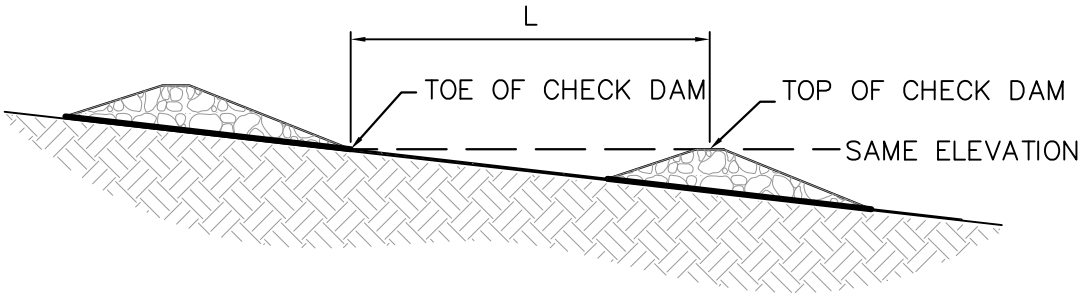
ROCK CHECK DAM VIEW LOOKING UPSTREAM

N.T.S.



CROSS SECTION A–A

N.T.S.



SPACE BETWEEN ROCK CHECK DAMS

N.T.S.

NOTES:
ACTUAL DIMENSIONS OF THE CHECK DAMS SHALL BE DESIGNED BASED ON FLOW CONDITIONS IN THE DRAINAGE SWALE OR DITCH. HEIGHT (H) AND SPACING (L) OF CHECK DAM AS PROVIDED IN PLANS BY OWNER OR OWNER'S REPRESENTATIVE. PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.

ROCK CHECK DAM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.9	
		DATE AUG '23	STANDARD DRAWING NO. 1060A

ROCK CHECK DAM GENERAL NOTES:

1. SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.9 CHECK DAM (ROCK)

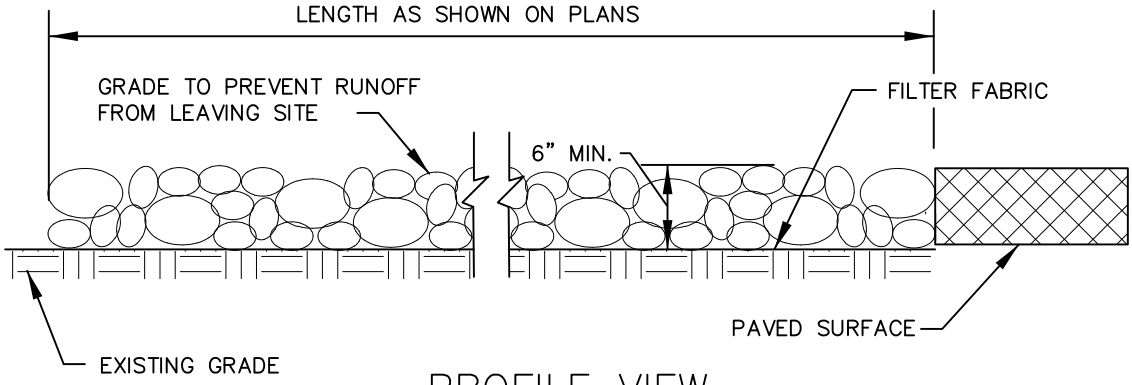
2. STONE SHALL BE WELL GRADED WITH SIZE RANGE FROM 1½ TO 3½ INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.

3. THE CHECK DAM SHALL BE INSPECTED AS SPECIFIED IN THE SWPPP AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.

4. WHEN SILT REACHES A DEPTH EQUAL TO ONE–THIRD OF THE HEIGHT OF THE CHECK DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.

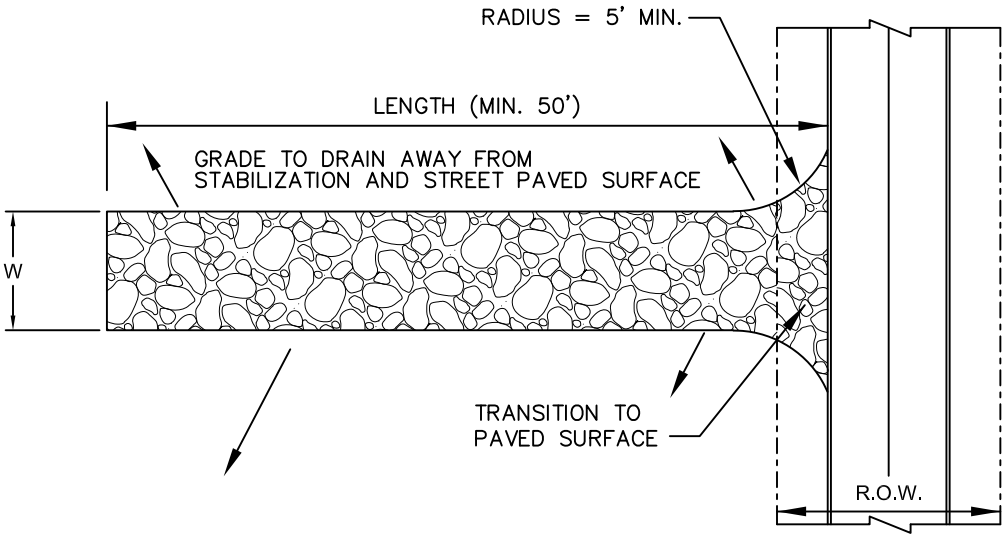
5. WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED, THE CHECK DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

ROCK CHECK DAM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.9	
GENERAL NOTES		DATE AUG '23	STANDARD DRAWING NO. 1060B



PROFILE VIEW

N.T.S.



WIDTH (W)
20' MIN. FOR < 5 AC SITES
30' MIN. FOR > 5 AC SITES

PLAN VIEW

N.T.S.

EXIT MUST BE SLOPED SO THAT STORM WATER IS NOT ALLOWED TO LEAVE THE SITE AND ENTER ROADWAYS

STABILIZED CONSTRUCTION EXIT	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.11	
		DATE AUG '23	STANDARD DRAWING NO. 1070A

STABILIZED CONSTRUCTION EXIT GENERAL NOTES:

1. SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.11

2. THE THICKNESS SHALL NOT BE LESS THAN 6 INCHES.

3. STONE SHALL BE 3 TO 5 INCH DIAMETER COURSE AGGREGATE, NO CRUSHED PORTLAND CEMENT CONCRETE ALLOWED.

4. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 50 FEET.

5. THE WIDTH SHALL BE NO LESS THAN 20' FOR SITES LESS THAN 5 AC, AND 30' FOR SITES GREATER THAN 5 AC, AT ALL POINTS OF INGRESS OR EGRESS.

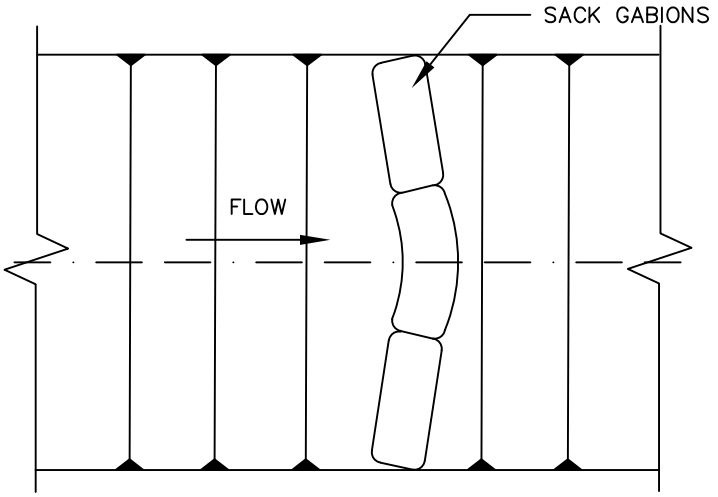
6. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED
WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED EXIT. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

7. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.

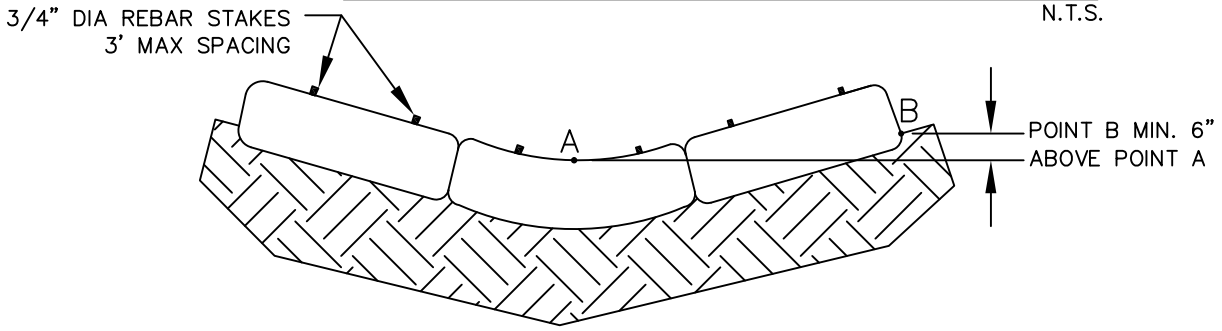
8. THE EXIT MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

9. INSPECTION SHALL BE SPECIFIED IN THE SWPPP.

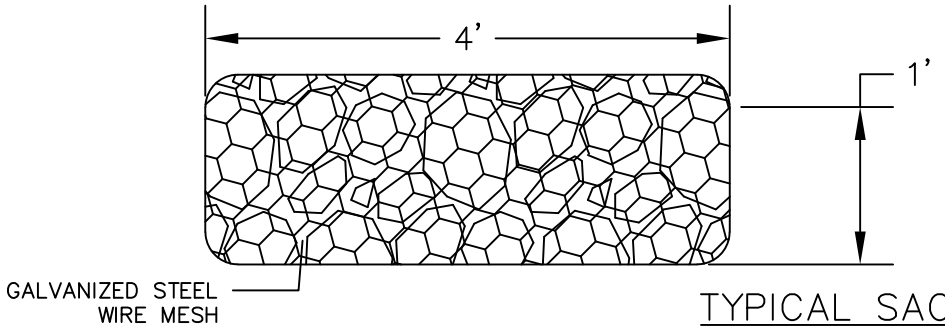
STABILIZED CONSTRUCTION EXIT, GENERAL NOTES	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: 202.11
		DATE: AUG '23
		STANDARD DRAWING NO.: 1070B



SACK GABION CHECK DAM PLAN VIEW
N.T.S.



SACK GABION CHECK DAM VIEW LOOKING UPSTREAM
N.T.S.



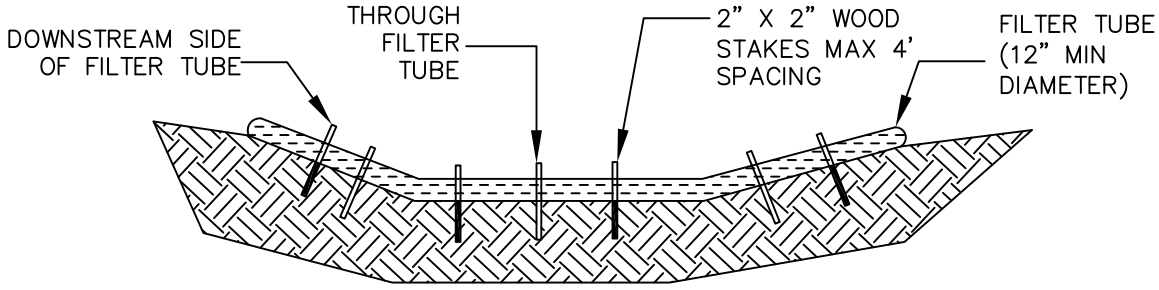
TYPICAL SACK GABION
N.T.S.

SACK GABION CHECK DAM GENERAL NOTES:

1. ACTUAL DIMENSIONS OF THE CHECK DAMS SHALL BE DESIGNED BASED ON FLOW CONDITIONS IN THE DRAINAGE SWALE OR DITCH.
2. HEIGHT (H) AND SPACING (L) OF CHECK DAM AS PROVIDED IN PLANS BY OWNER OR OWNER'S REPRESENTATIVE. PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.

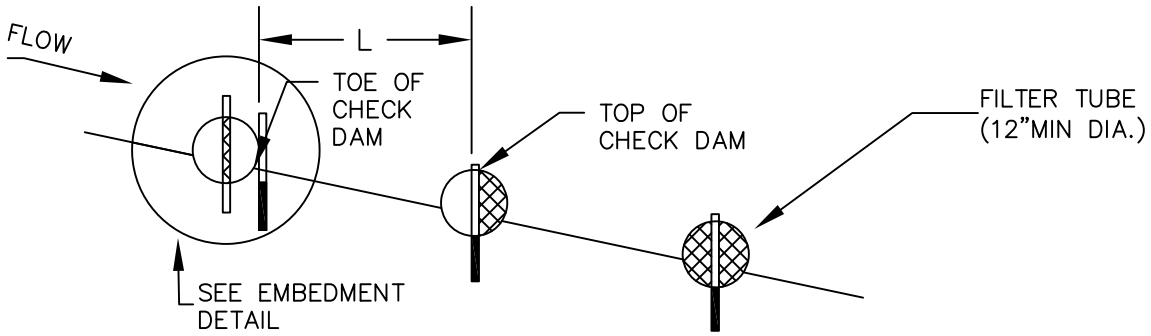
NOTES:
ACTUAL DIMENSIONS OF THE CHECK DAMS SHALL BE DESIGNED BASED ON FLOW CONDITIONS IN THE DRAINAGE SWALE OR DITCH. HEIGHT (H) AND SPACING (L) OF CHECK DAM AS PROVIDED IN PLANS BY OWNER OR OWNER'S REPRESENTATIVE. PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.

SACK GABION CHECK DAMS	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: NA	
		DATE: AUG '23	STANDARD DRAWING NO.: 1080



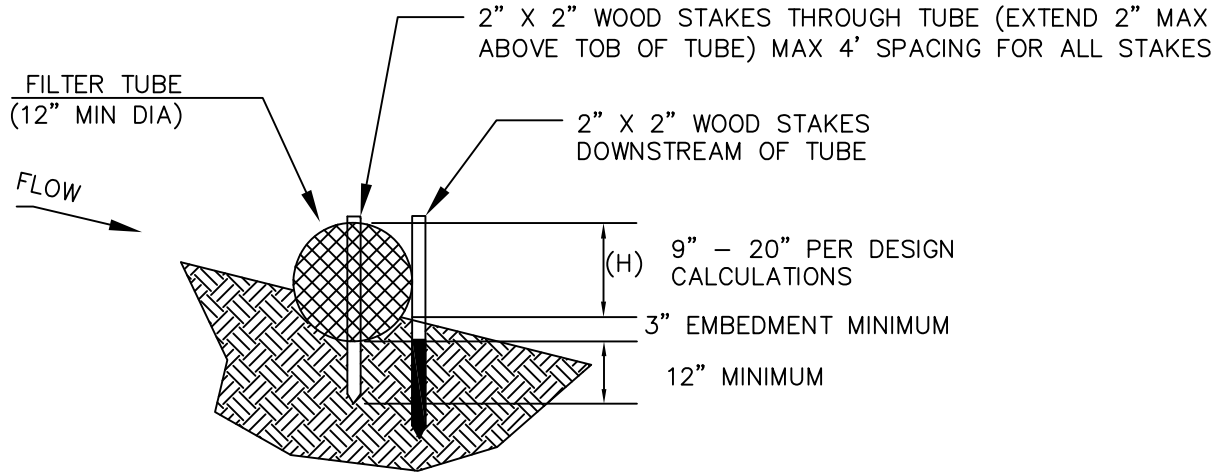
FILTER TUBE CHECK DAM VIEW LOOKING UPSTREAM

N.T.S.



FILTER TUBE CHECK DAM PROFILE

N.T.S.



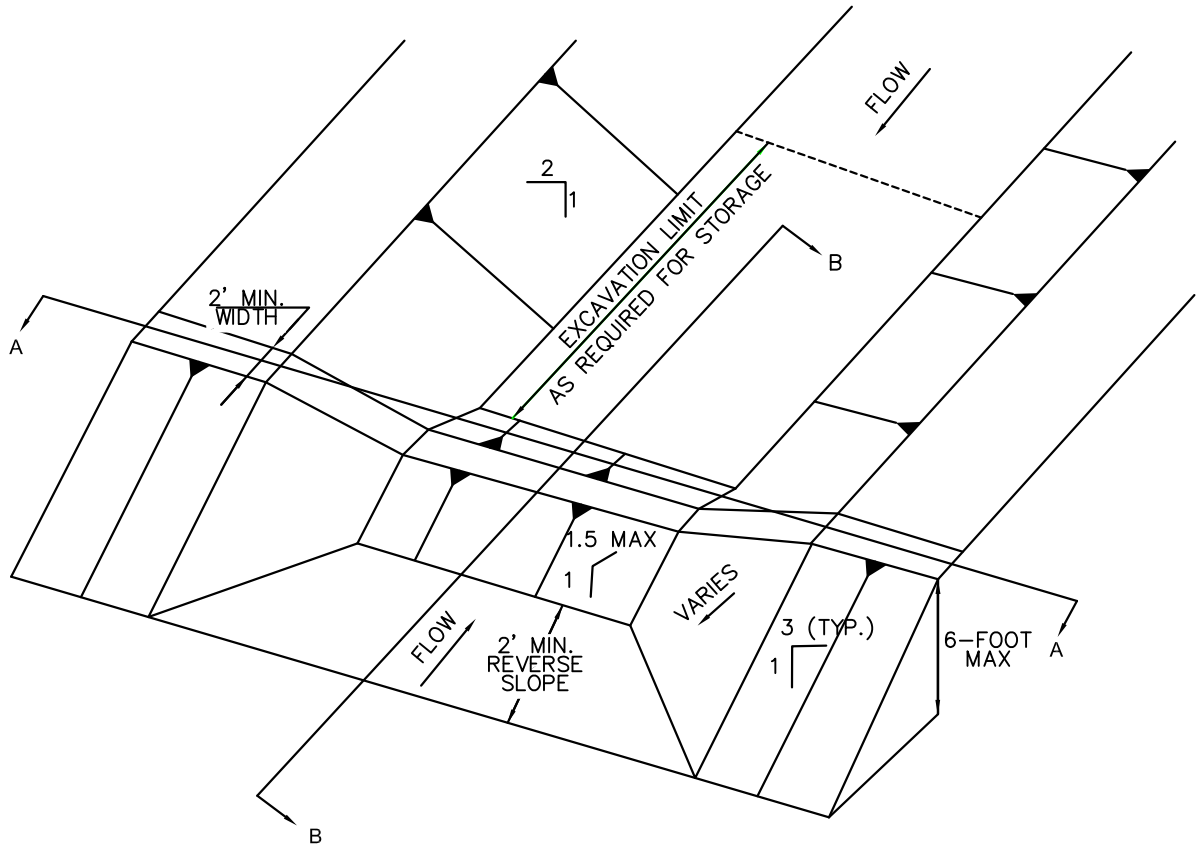
EMBEDMENT DETAIL FOR FILTER TUBE CHECK DAM

N.T.S.

GENERAL NOTES:

1. ACTUAL DIMENSIONS OF THE CHECK DAMS SHALL BE DESIGNED BASED ON FLOW CONDITIONS IN THE DRAINAGE SWALE OR DITCH.
2. HEIGHT (H) AND SPACING (L) OF CHECK DAM AS PROVIDED IN PLANS BY OWNER OR OWNER'S REPRESENTATIVE. PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.

FILTER TUBE CHECK DAM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.10	
		DATE AUG '23	STANDARD DRAWING NO. 1090



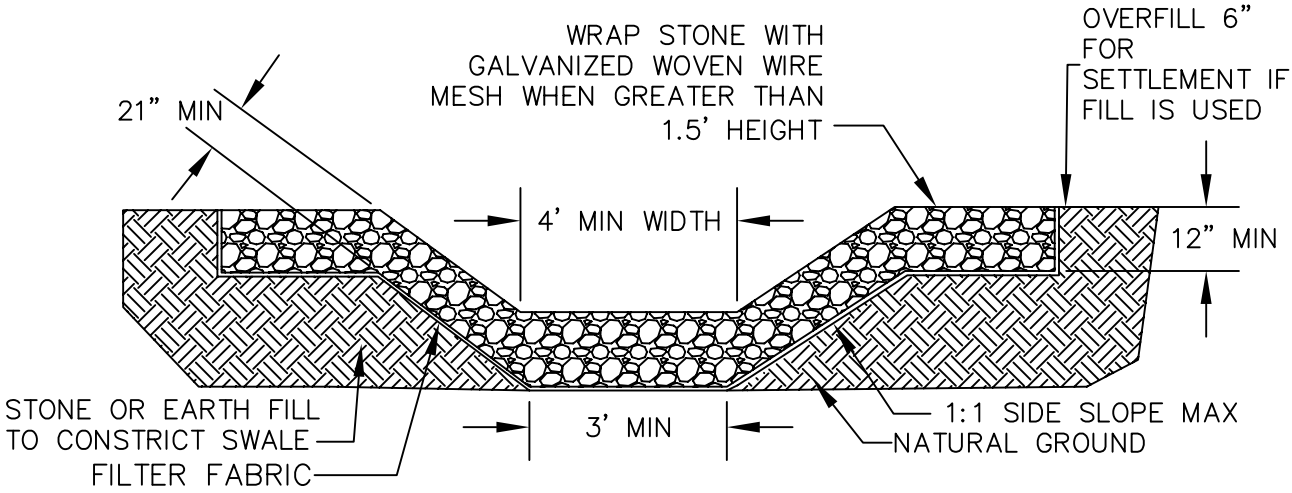
EXCAVATED STONE OUTLET SEDIMENT TRAP ISOMETRIC VIEW

N.T.S.

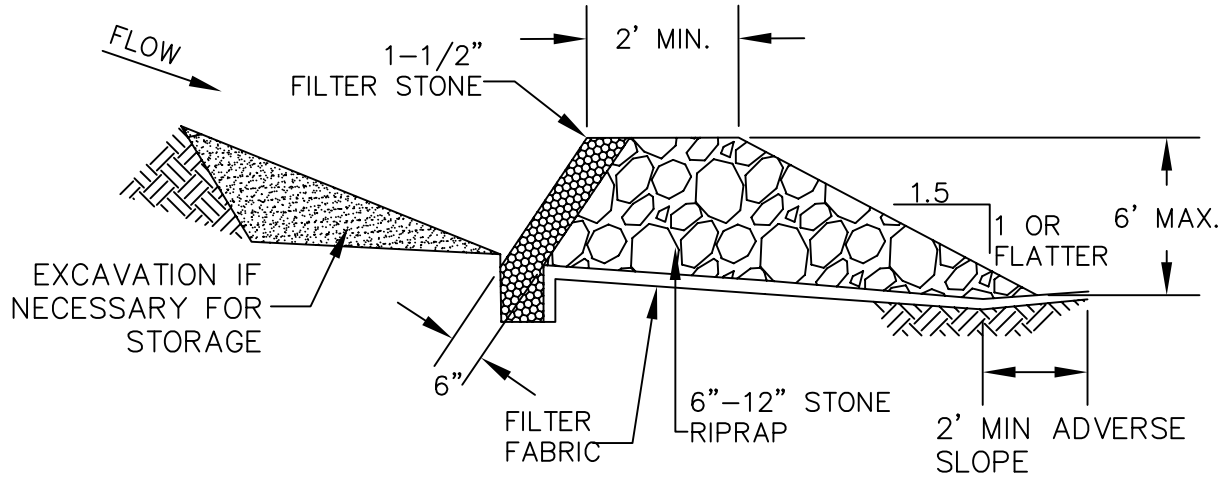
NOTE: ACTUAL DIMENSIONS OF THE SEDIMENT TRAP SHALL BE DESIGNED BASED ON FLOW CONDITIONS AND SITE TOPOGRAPHY. PROVIDE CALCULATIONS THAT DOCUMENT THE FOLLOWING PARAMETER USED TO DESIGN THE TRAP.

- SIZE OF CONTRUBUTING DRAINAGE AREA
- DESIGN STORM VOLUME AND FLOW RATE AT THE TRAP
- HEIGHT, SLOPE, AND LENGTH OF STONE OUTLET
- STORAGE VOLUME
- EXTENT OF GRADING TO PROVIDE THE CONTROLLED OUTLET

EXCAVATED STONE OUTLET	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.12	
SEDIMENT TRAP		DATE AUG '23	STANDARD DRAWING NO. 1100A



EXCAVATED STONE OUTLET SEDIMENT TRAP VIEW
LOOKING UPSTREAM
N.T.S.

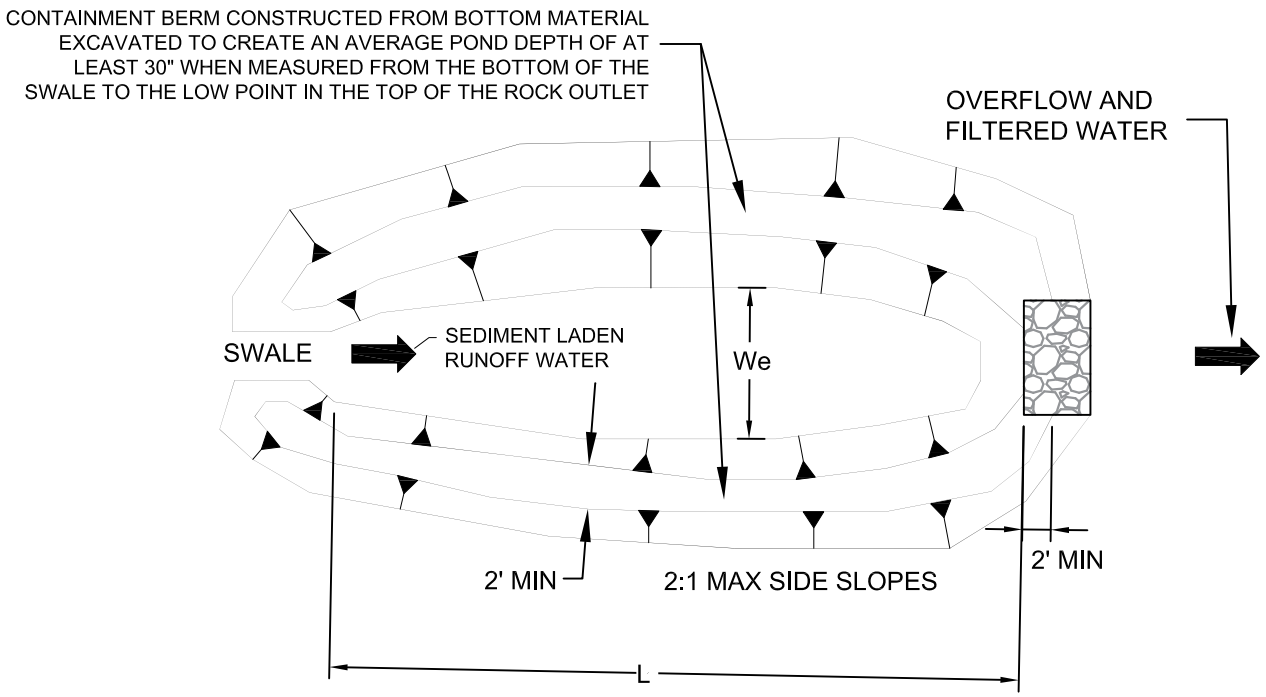


EXCAVATED STONE OUTLET SEDIMENT TRAP SECTION VIEW
N.T.S.

NOTES:

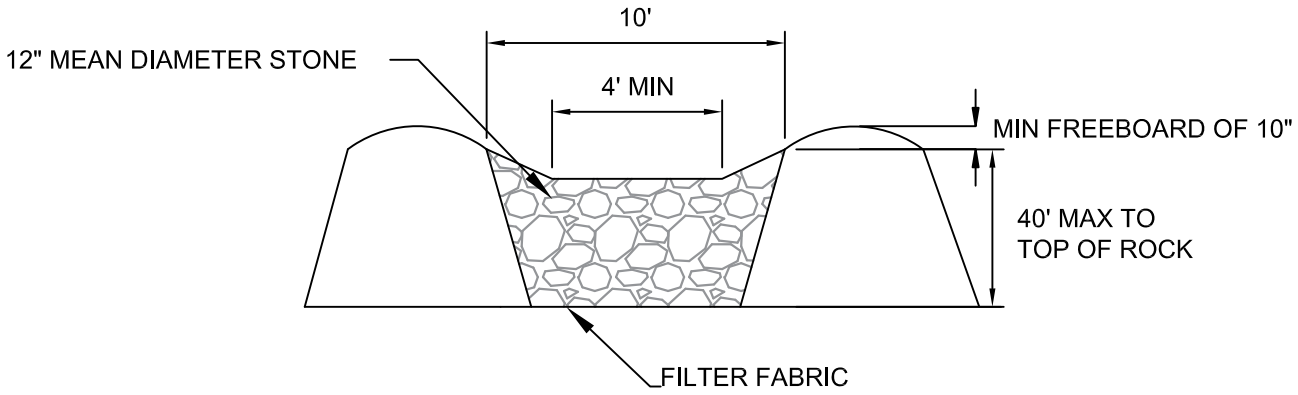
- ACTUAL DIMENSIONS OF THE SEDIMENT TRAP SHALL BE DESIGNED BASED ON FLOW CONDITIONS AND SITE TYPOLOGY.
- PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.
- DESIGN VOLUME, HEIGHT, SLOPE, AND LENGTH AS PROVIDED IN PLANS PROVIDED BY OWNER OR OWNER'S REPRESENTATIVE.

EXCAVATED STONE OUTLET	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.12	
SEDIMENT TRAP, GENERAL NOTES		DATE AUG '23	STANDARD DRAWING NO. 1100B



BERMED STONE OUTLET SEDIMENT TRAP PLAN VIEW

N.T.S.



BERMED STONE OUTLET SEDIMENT TRAP SECTION VIEW

N.T.S.

GENERAL NOTES:

1. ACTUAL DIMENSIONS OF THE SEDIMENT TRAP SHALL BE DESIGNED BASED ON FLOW CONDITIONS AND SITE TOPOGRAPHY.

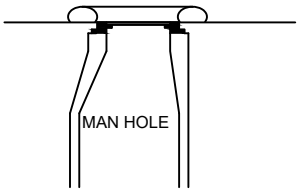
2. PROVIDE CALCULATIONS UPON REQUEST OF THE REVIEWING AGENCY.

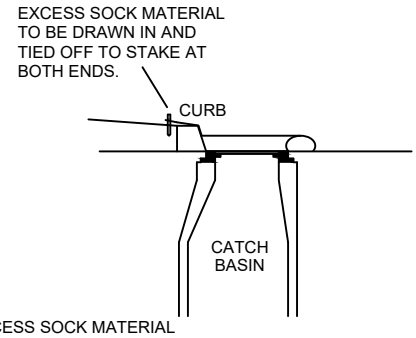
3. DESIGN OF VOLUME, HEIGHT, SLOPE, AND LENGTH AS PROVIDED IN PLANS PROVIDED BY OWNER OR OWNER'S REPRESENTATIVE.

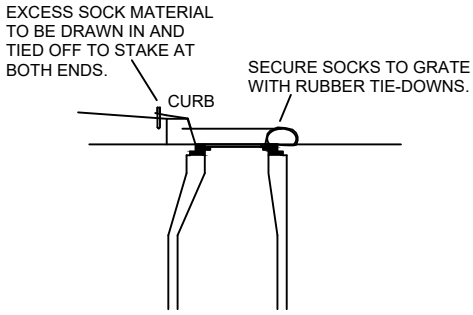
BERMED STONE OUTLET SEDIMENT TRAP	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.12	
		DATE AUG '23	STANDARD DRAWING NO. 1110

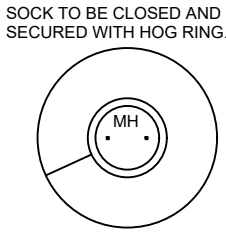
NOTES:

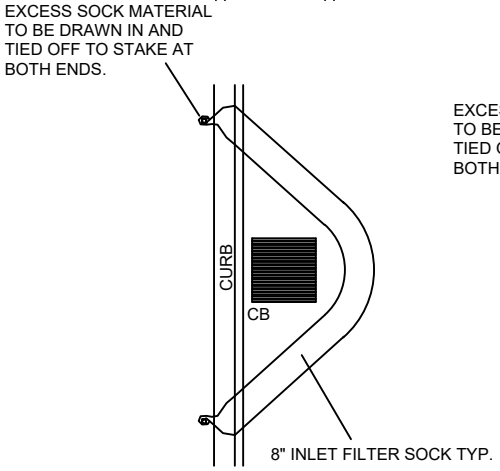
1. ALL MATERIAL TO MEET CITY OF MELISSA SPECIFICATIONS.
2. SECURE INLET FILTER SOCK TO GROUND AT EACH END.

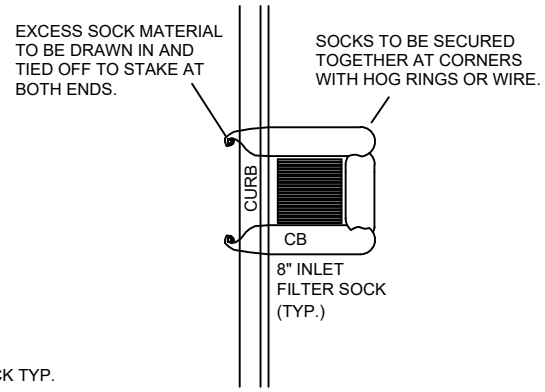












MANHOLE

CATCH BASIN (OPTION "A")

CATCH BASIN (OPTION "B")

FOR USE IN TIGHTER AREAS, NARROW ROADS ETC.

M* - CITY OF MELISSA REVISION

INLET PROTECTION FILTER BARRIERS

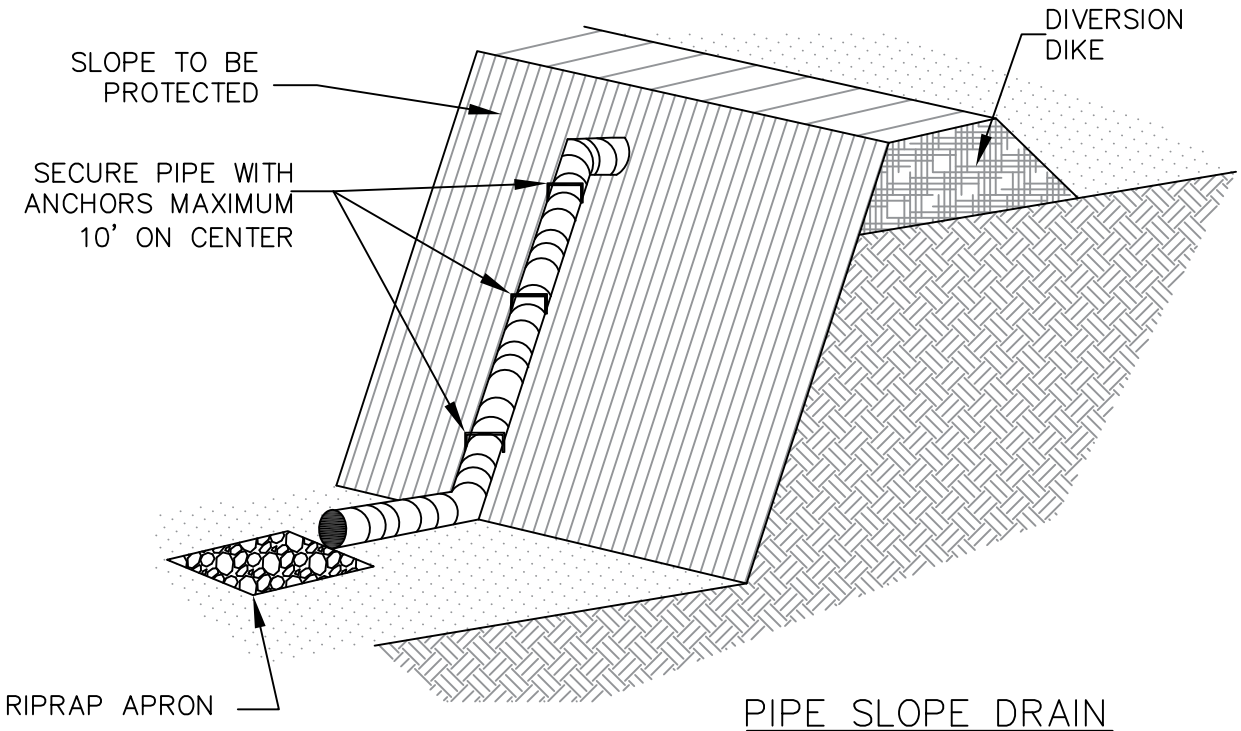
CITY OF MELISSA

MELISSA TX

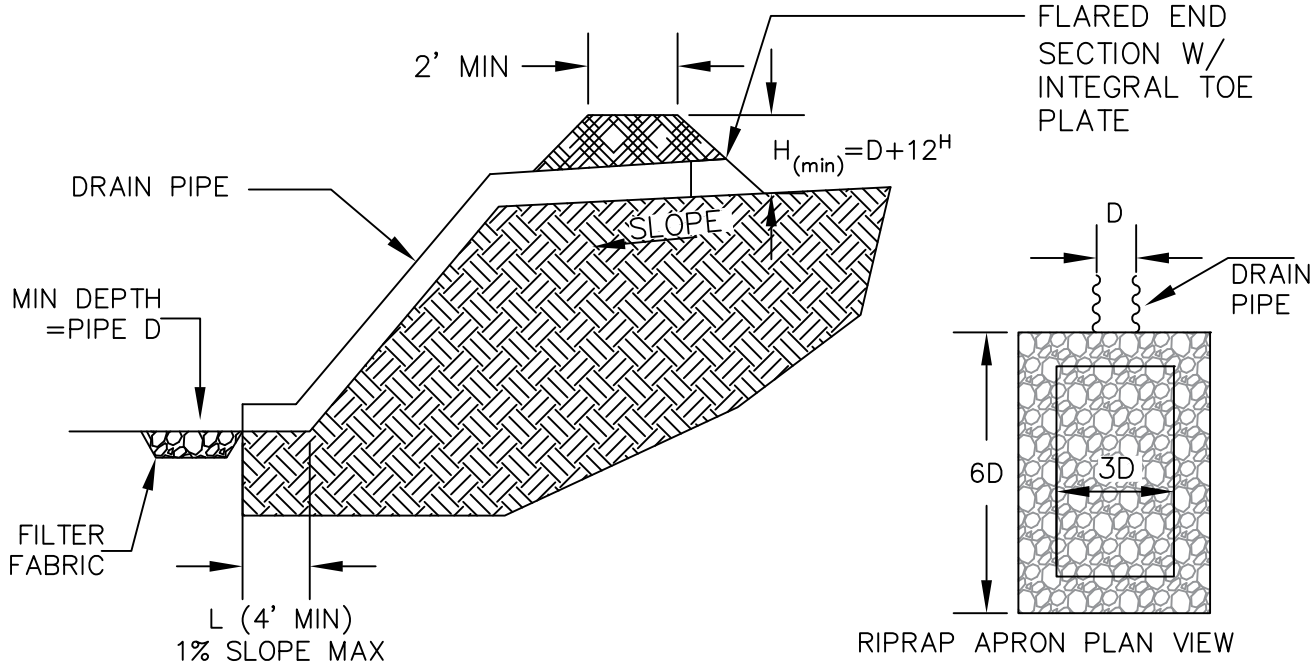
NCTCOG STANDARD SPECIFICATION REFERENCE: 201.14

DATE: 11/13/08

STANDARD DRAWING NO.: 1120M*



PIPE SLOPE DRAIN
N.T.S.



PIPE SLOPE DRAIN CROSS-SECTION AND APRON PLAN VIEW
N.T.S.

PIPE SLOPE DRAIN	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.13	
		DATE AUG '23	STANDARD DRAWING NO. 1130A

GENERAL NOTES:

1. DIMENSIONS OF THE PIPE SLOPE DRAIN AND APPURTENANCES SHALL BE DESIGNED BASED ON SITE TOPOGRAPHY AND FLOW CONDITIONS.

2. H, L, AND D AS SHOWN SHALL BE PROVIDED IN PLANS BY OWNER OR OWNER'S REPRESENTATIVE.

3. PROVIDE CALCULATIONS THAT DOCUMENT THE FOLLOWING PARAMETERS USED TO DESIGN THE PIPE SLOPE DRAIN UPON REQUEST OF THE REVIEWING AGENCY.
   - 3.1. PIPE MATERIAL AND SIZE
   - 3.2. DISCHARGE VELOCITY
   - 3.3. STONE SIZE AN DIMENSIONS OF RIPRAP APRON
   - 3.4. PIPE LENGTH AND SLOPE

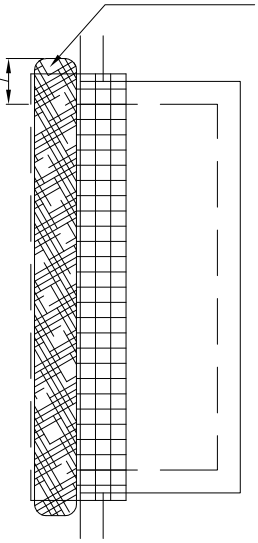
PIPE SLOPE DRAIN	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE	
		202.13	
GENERAL NOTES		DATE	STANDARD DRAWING NO.
		AUG '23	1130B

NOT ALLOWED ON ACTIVE CITY STREETS UNLESS APPROVED BY CITY

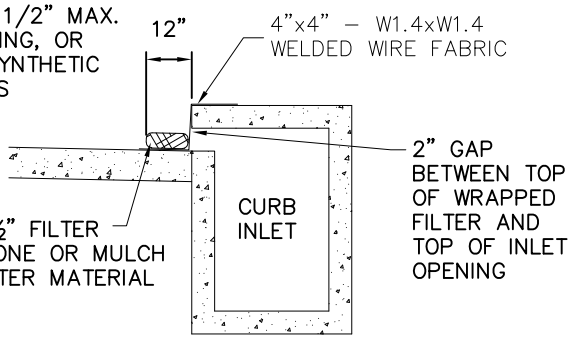
EXTENDED WRAPPED FILTER MATERIAL 24" MIN. BEYOND END OF CURB OPENING ON BOTH SIDES

1. DOUBLE WRAP OF FLEXIBLE WIRE MESH WITH MESH OPENING 3/4" MAX., OR
2. PLASTIC NETTING DOUBLE WRAPPED WITH 1/2" MAX. OPENING, OR
3. GEOSYNTHETIC TUBES

NOTE: PLASTIC OR WIRE TIES AROUND WIRE OR PLASTIC MESH EVERY 12"–18" OR MORE AS NEEDED



PLAN VIEW
N.T.S.

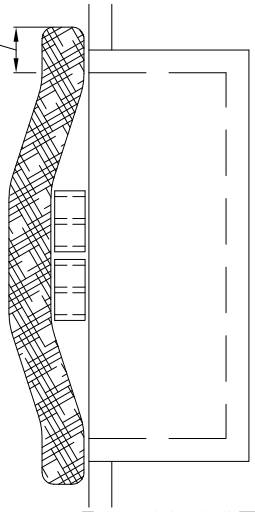


CROSS SECTION
N.T.S.

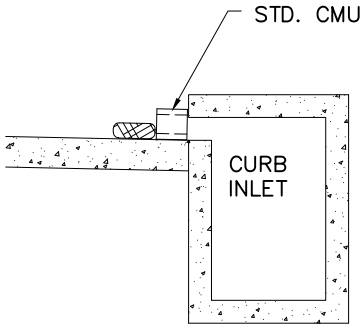
NOTE: VERTICAL PANEL BARRICADES TO BE PLACED WHEN LOCATED ON AN ACTIVE STREET.

TYPE A CURB INLET PROTECTION
N.T.S.

EXTENDED WRAPPED FILTER MATERIAL 24" MIN. BEYOND END OF CURB OPENING ON BOTH SIDES



PLAN VIEW
N.T.S.



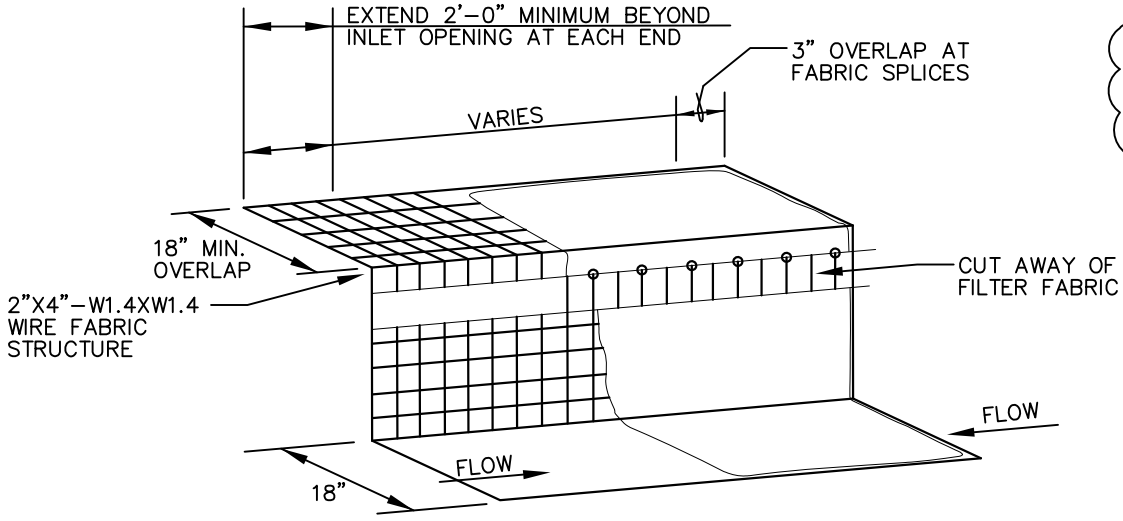
CROSS SECTION
N.T.S.

CURB OPENING	MIN. NO. BLOCKS
4'–6'	1
8'–10'	2
12'–14'	3
16'–20'	4

NOTE: SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.14 AND 202.18

ALTERNATIVE FORM FOR TYPE A CURB INLET PROTECTION
N.T.S.

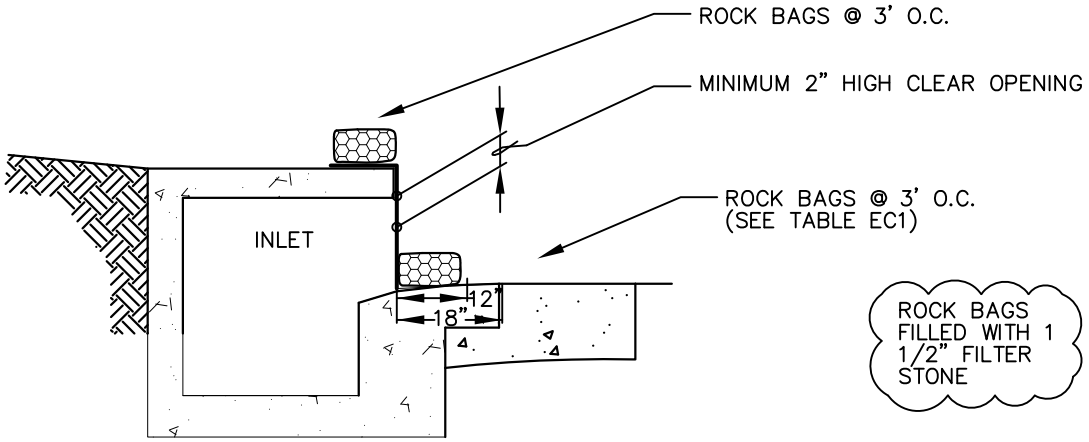
FILTER TUBE CURB INLET PROTECTION	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: 202.14
		DATE: AUG '23
		STANDARD DRAWING NO.: 1140



NOT ALLOWED ON ACTIVE CITY STREETS UNLESS APPROVED BY CITY

WIRE WEIR CURB INLET PROTECTION ISOMETRIC VIEW

N.T.S.



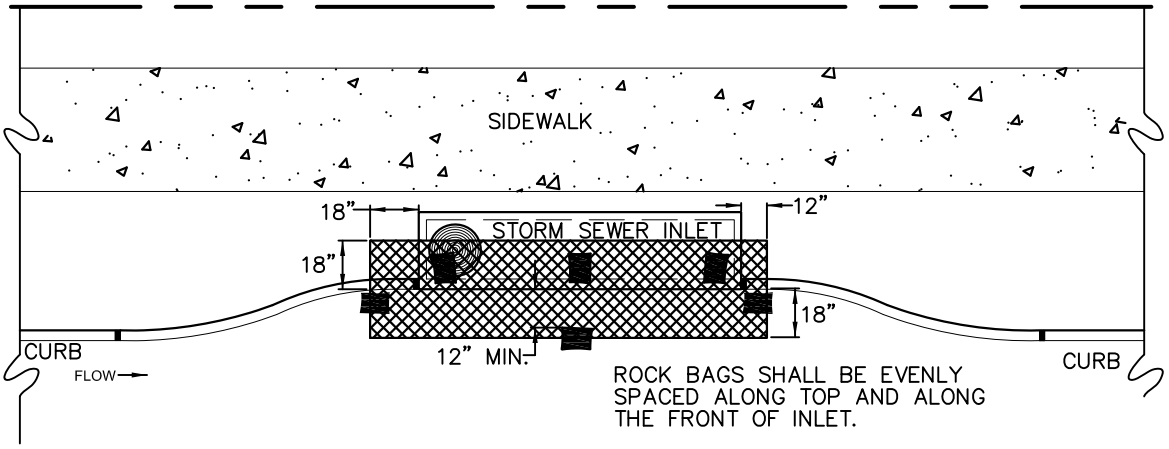
ROCK BAGS FILLED WITH 1 1/2" FILTER STONE

WIRE WEIR CURB INLET PROTECTION CROSS SECTION

N.T.S.

NOTE: THIS CONTROL WILL DECREASE THE CAPACITY OF THE INLET. IT SHALL ONLY BE USED WHEN AN ENGINEER HAS DETERMINED THERE IS ADEQUATE STORAGE OR POSITIVE OVERFLOW.

WIRE WEIR CURB INLET PROTECTION	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
		DATE AUG '23	STANDARD DRAWING NO. 1150A



WIRE WEIR CURB INLET PROTECTION PLAN VIEW

N.T.S

TABLE EC1

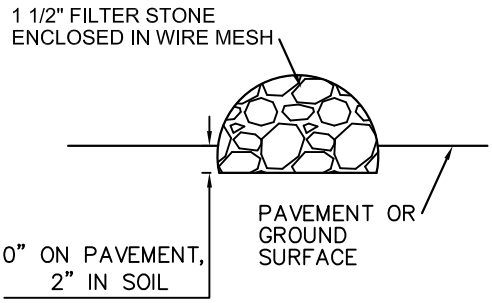
INLET OPENING	MINIMUM NUMBER OF ROCK BAGS	
	TOP	FRONT
5'–0"	2	3
10'–0"	3	3
15'–0"	3	4
20'–0"	4	4

NOT ALLOWED ON ACTIVE CITY STREETS UNLESS APPROVED BY CITY

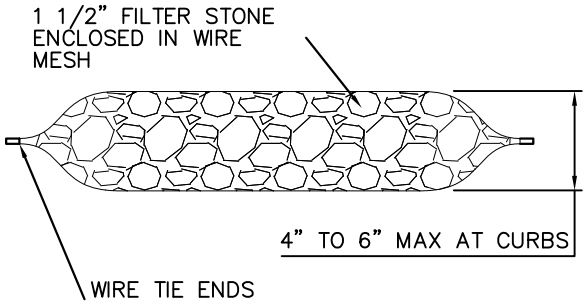
NOTES:

1. A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL TO PROVIDE A 2" MINIMUM CLEAR OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
2. INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
3. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

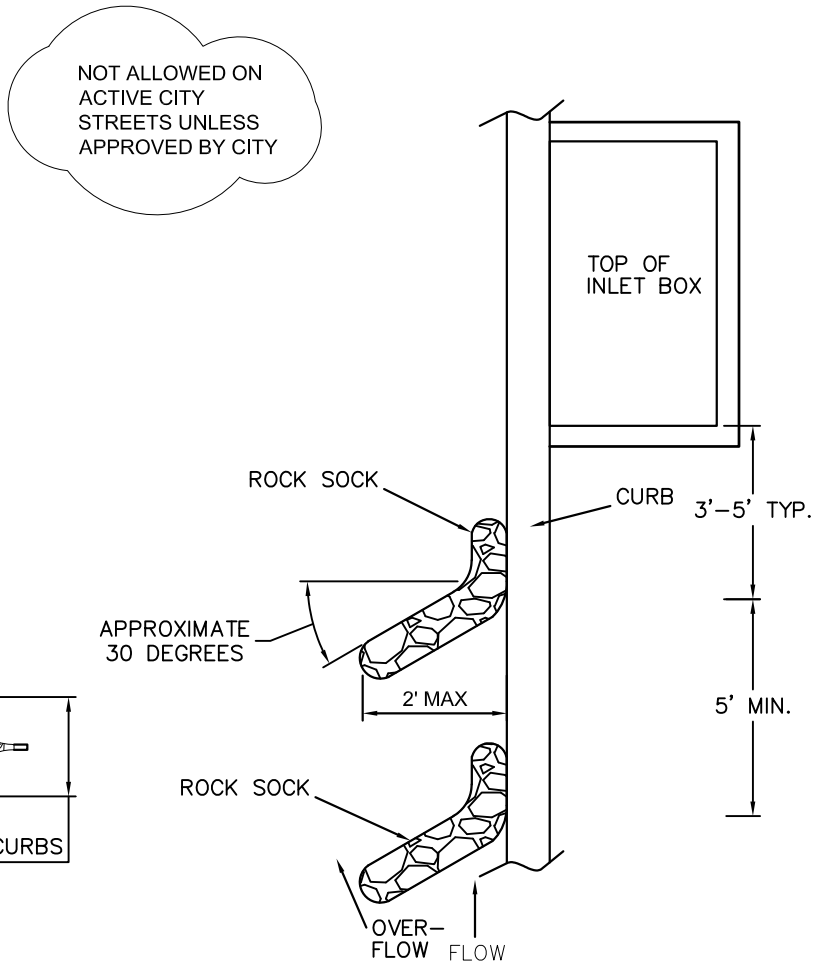
WIRE WEIR CURB INLET PROTECTION	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
		DATE AUG '23	STANDARD DRAWING NO. 1150B



ROCK SOCK SECTION
N.T.S.



ROCK SOCK PLAN
N.T.S.

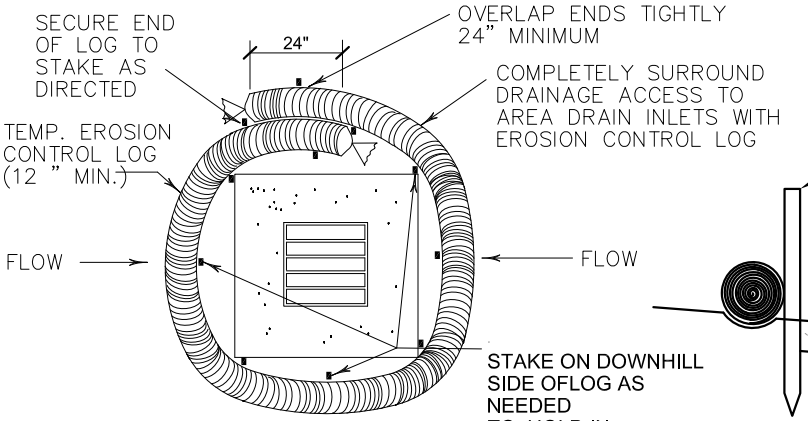


CURB ROCK SOCK ON-GRADE CURB INLET PROTECTION DETAIL
N.T.S

CURB ROCK SOCK ON-GRADE CURB INLET PROTECTION GENERAL NOTES:

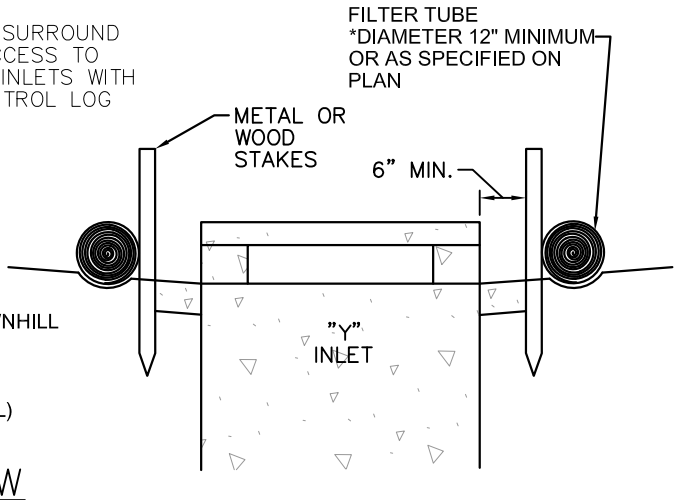
1. THIS DETAIL IS INTENDED FOR USE WITH ON-GRADE INLETS (NOT A LOW POINT) TO TRAP SEDIMENT.
2. DO NOT INSTALL ON INLETS WHERE THE ROCK SOCKS WOULD EXTEND INTO AN ACTIVE TRAVEL LANE.
3. ROCK SOCKS MAY BE USED ON PAVED OR UNPAVED SURFACES.
4. MAXIMUM ROCK SOCK SIAMETER 4" TO 6".
5. MINIMUM OF 2 CURB ROCK SOCKS.

CURB ROCK SOCK ON-GRADE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
CURB INLET PROTECTION		DATE AUG '23	STANDARD DRAWING NO. 1160



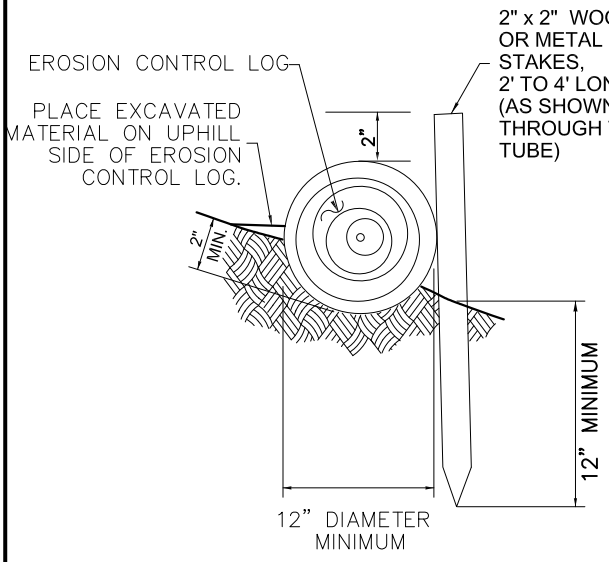
FILTER TUBE AREA INLET PROTECTION PLAN VIEW

N.T.S.



FILTER TUBE "Y" INLET PROTECTION CROSS SECTION

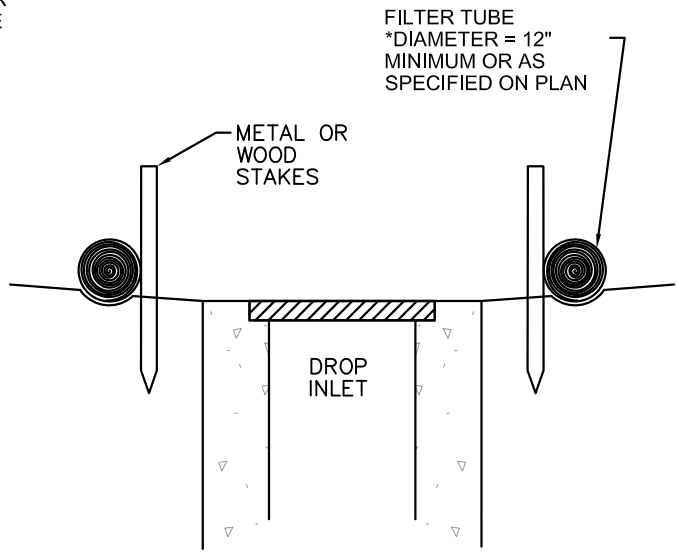
N.T.S.



NOTE: COMPACT EXCAVATED SOIL TO PREVENT UNDERCUTTING.

EMBEDMENT EXAMPLE FOR FILTER TUBE

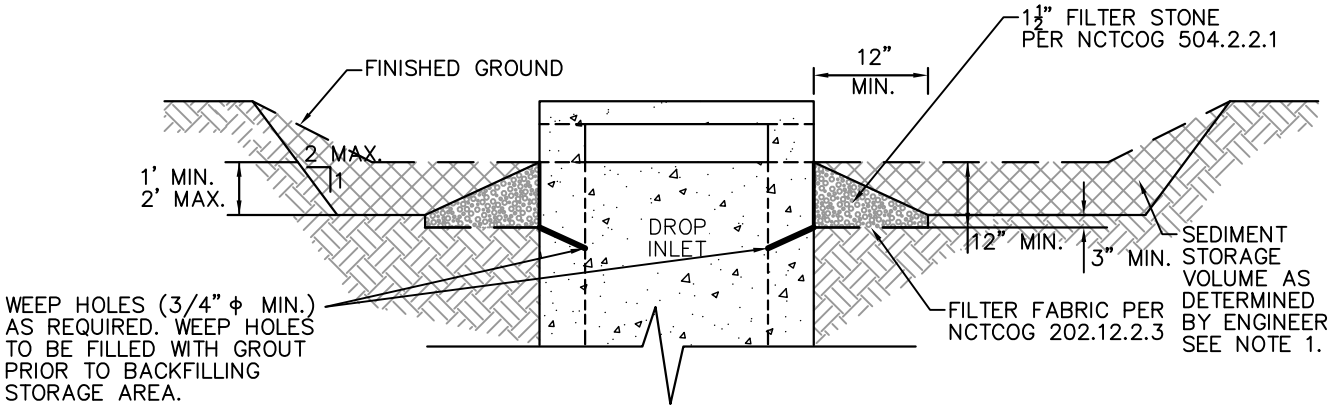
N.T.S.



FILTER TUBE DROP INLET PROTECTION CROSS SECTION

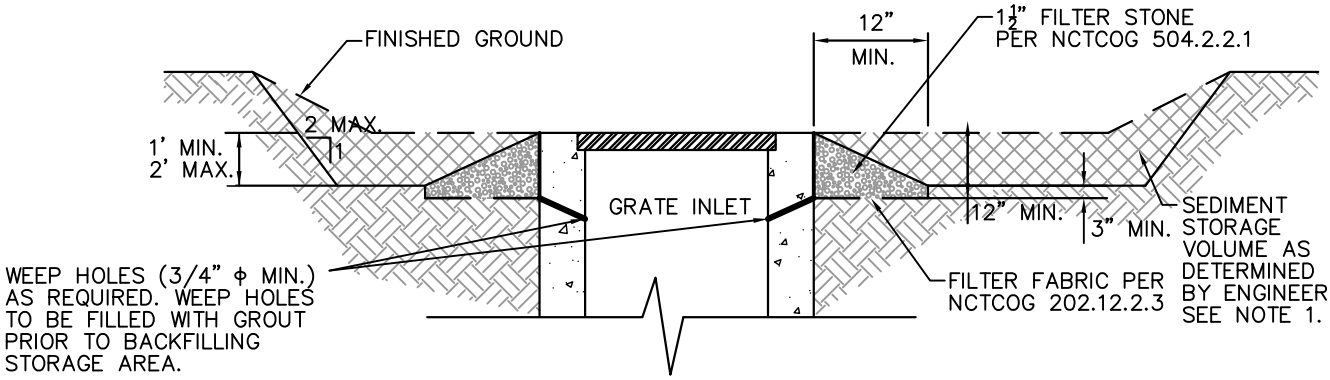
N.T.S.

FILTER TUBE AREA INLET PROTECTION	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
		DATE AUG '23	STANDARD DRAWING NO. 1170



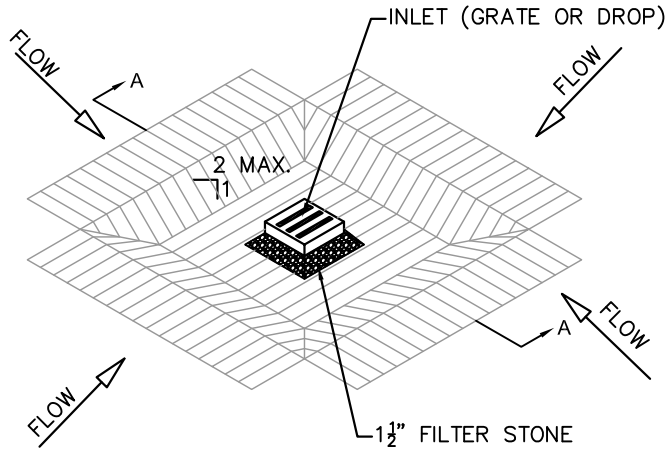
EXCAVATED INLET PROTECTION "Y" INLET SECTION A–A

N.T.S.



EXCAVATED INLET PROTECTION GRATE INLET SECTION A–A

N.T.S.

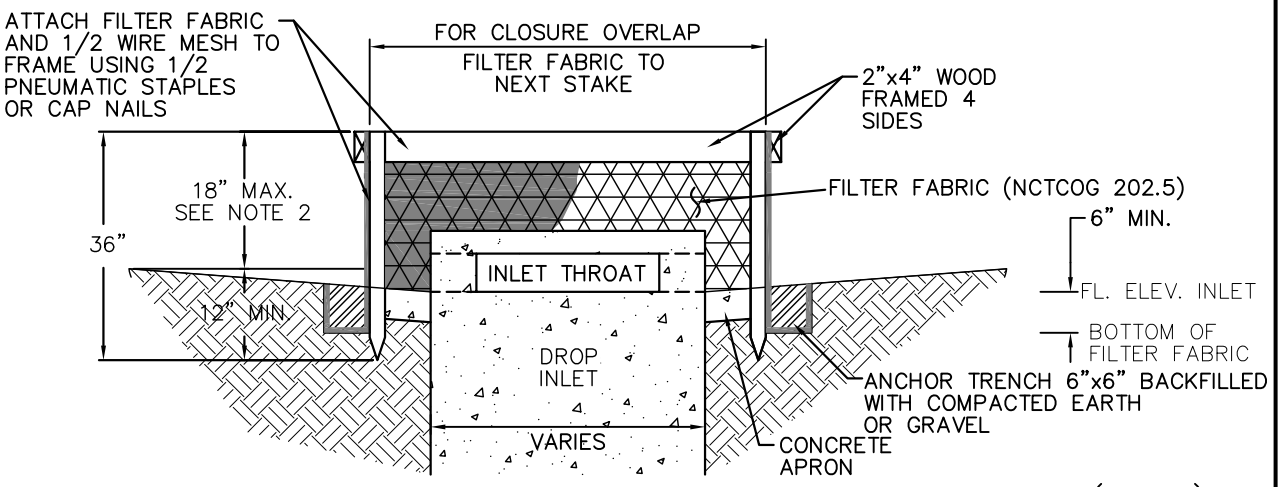


NOTES:
1. STORAGE VOLUME SHALL BE DESIGN STORM VOLUME OR 3,600 CUBIC FEET PER ACRE DISTURBED.
2. CONCENTRATED DITCH FLOW COMING FROM ONE OR MORE SIDES TOWARD THE INLET MAY REQUIRE A STONE OVERFLOW STRUCTURE TO BE CONSTRUCTED ON ONE SIDE OF THE INLET.

EXCAVATED INLET PROTECTION PLAN VIEW

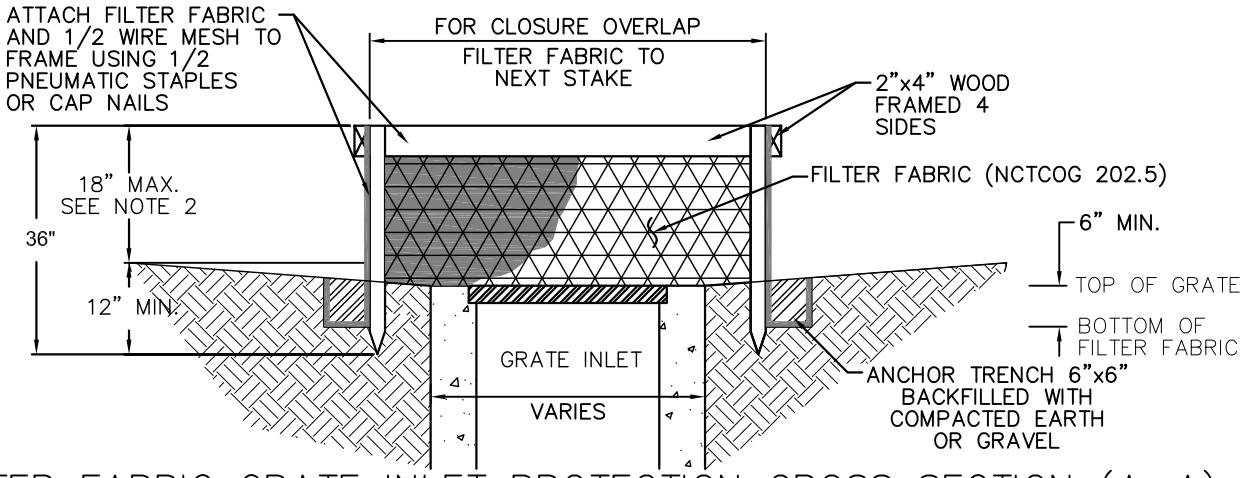
N.T.S.

AREA INLET PROTECTION	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
EXCAVATED IMPOUNDMENT		DATE AUG '23	STANDARD DRAWING NO. 1180



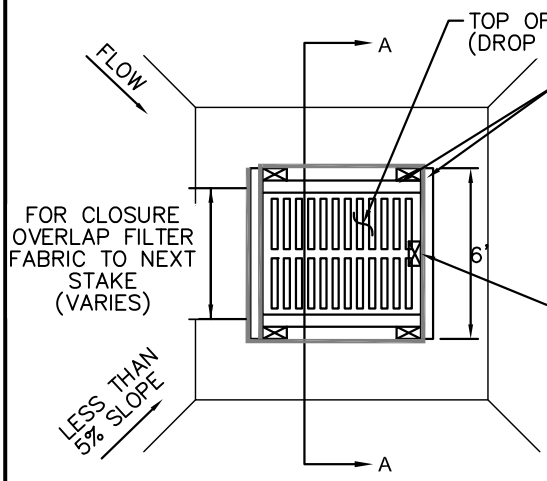
FILTER FABRIC DROP INLET PROTECTION CROSS SECTION (A–A)

N.T.S.



FILTER FABRIC GRATE INLET PROTECTION CROSS SECTION (A–A)

N.T.S.

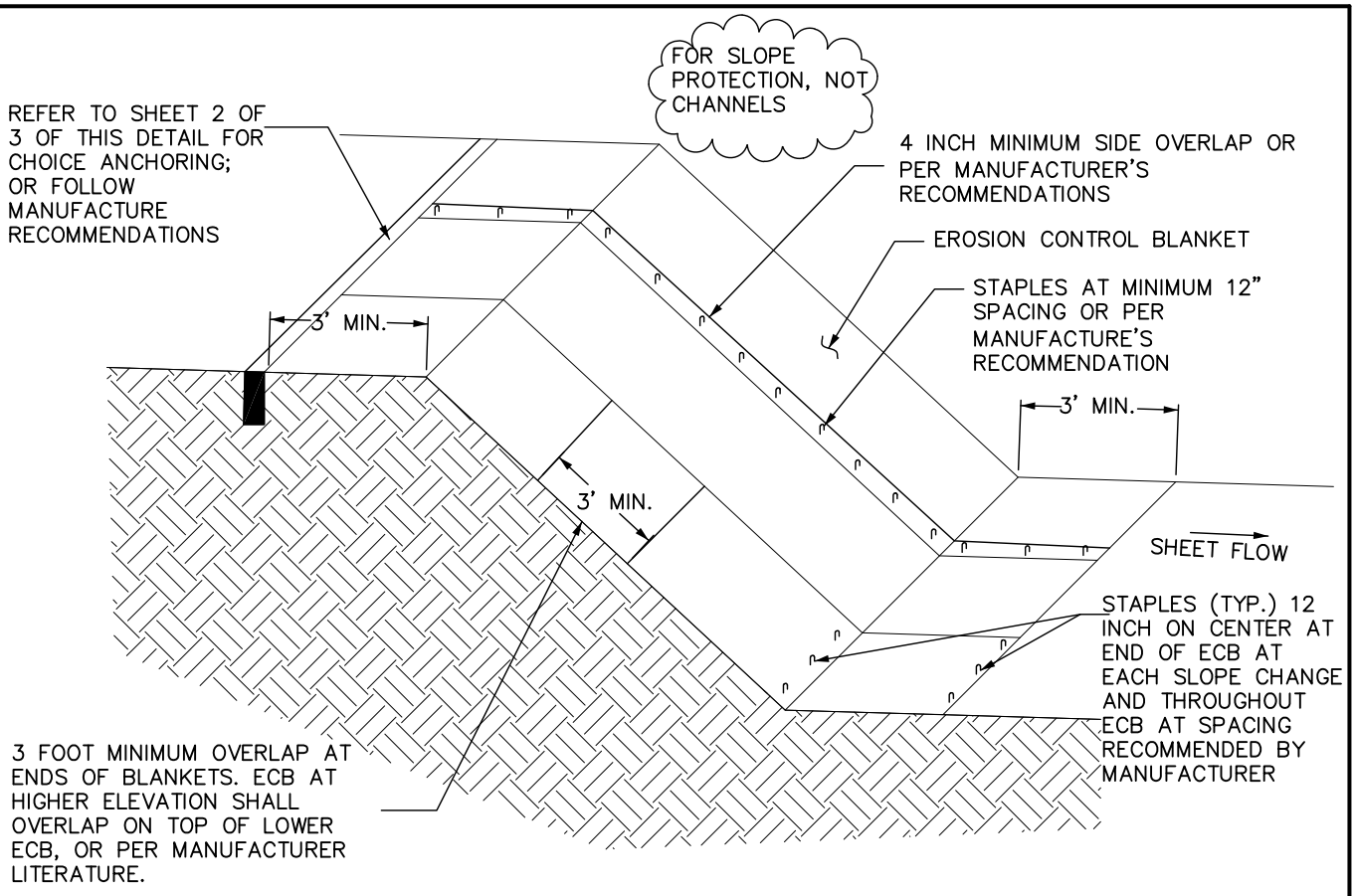


NOTES:
1. STAKES SHALL CONFORM TO SPECIFICATIONS SECTION 202.5.2.2
2. HEIGHT OF INLET PROTECTION SURROUNDING THE INLET SHALL BE SHOWN ON THE PLANS AND MUST BE CHECKED TO VERIFY PONDING WATER WILL NOT CAUSE FLOODING OF PROPERTY OR DAMAGE.
3. CONCENTRATED DITCH FLOW COMING FROM ONE OR MORE SIDES TOWARD THE INLET MAY REQUIRE A STONE OVERFLOW STRUCTURE TO BE CONSTRUCTED ON ONE SIDE OF THE INLET.
4. POST SHALL BE INSTALLED AT EACH CORNER AND BETWEEN CORNERS IF THE DISTANCE IS GREATER THAN 6' BETWEEN CORNER POSTS.

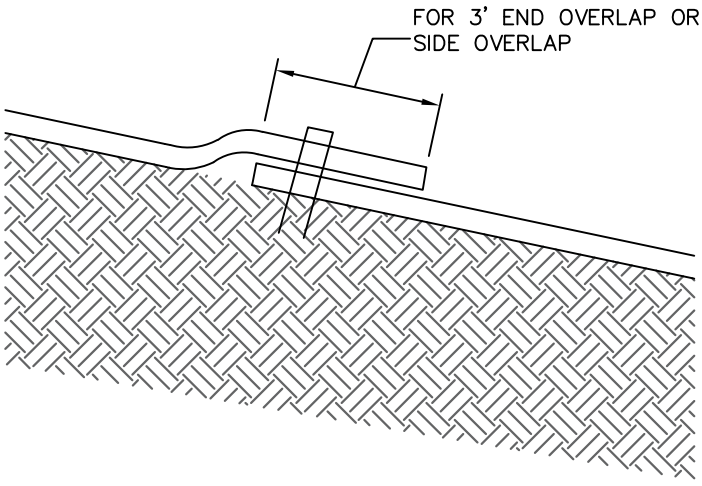
AREA INLET PROTECTION FILTER BARRIER PLAN VIEW

N.T.S.

AREA INLET PROTECTION FILTER BARRIER	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.14	
		DATE AUG '23	STANDARD DRAWING NO. 1190



ECB ISOMETRIC PLAN VIEW
N.T.S.



ECB OVERLAP EXAMPLE
N.T.S.

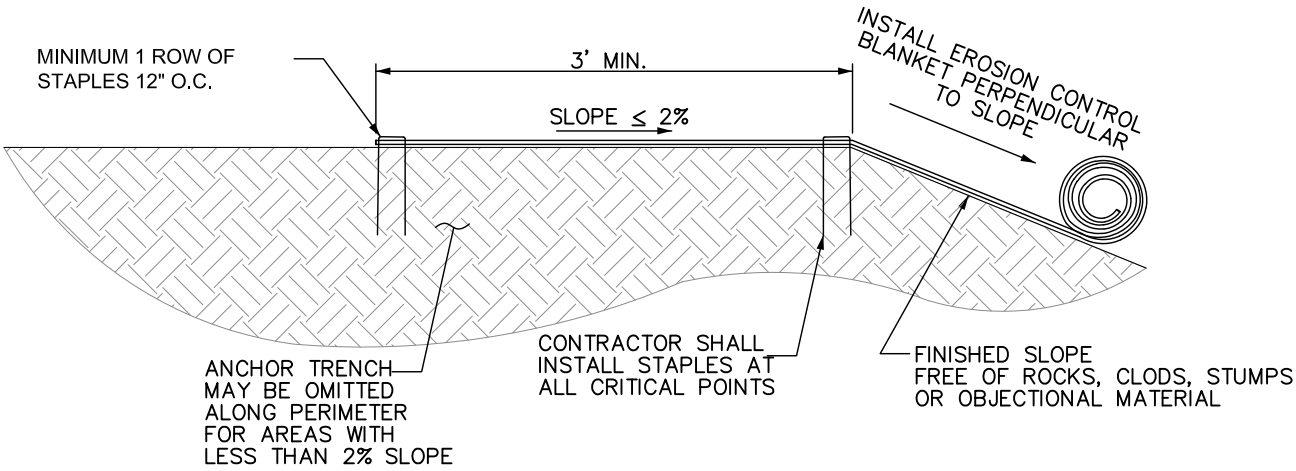
TEMPORARY EROSION CONTROL BLANKETS

North Central Texas Council of Governments

STANDARD SPECIFICATION REFERENCE
202.15

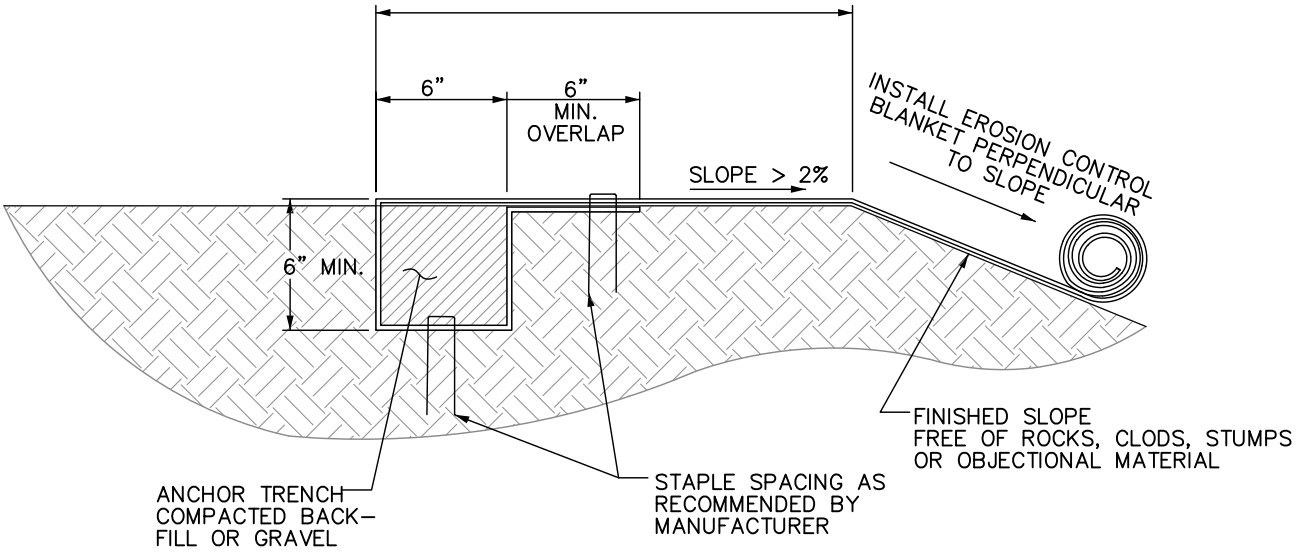
DATE
AUG '23

STANDARD DRAWING NO.
1200A



TOP OF SLOPE ANCHOR EXAMPLE 1

N.T.S.



TOP OF SLOPE ANCHOR TRENCH EXAMPLE 2

N.T.S.

TEMPORARY EROSION CONTROL	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE	
BLANKET, ANCHOR EXAMPLES		202.15	
		DATE	STANDARD DRAWING NO.
		AUG '23	1200B

EROSION CONTROL BLANKETS GENERAL NOTES:

1. NCTCOG STANDARD SPECIFICATIONS (2017) SECTION 202.15.

2. EROSION CONTROL BLANKET SHALL BE INSTALLED VERTICALLY DOWN SLOPE AS SHOWN.

3. PRIOR TO THE INSTALLATION: ALL ROCK, DIRT CLODS, STUMPS, ROOTS, TRASH, AND ANY OTHER OBSTRUCTIONS THAT WOULD PREVENT THE BLANKET FROM LYING IN DIRECT CONTRACT WITH THE SOIL SHALL BE REMOVED.

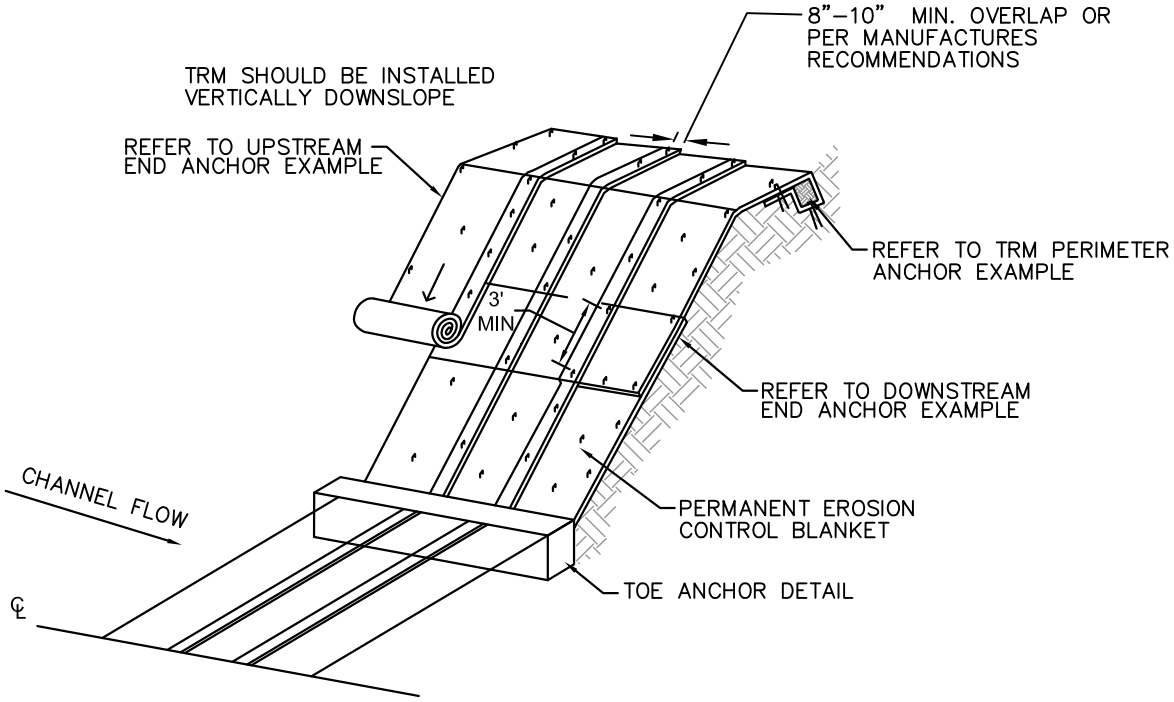
4. ANCHORING METHODS PROVIDED ARE EXAMPLES OF HE TYPE OF ANCHORING THE ECB MANUFACTURER MAY RECOMMEND. ALWAYS FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR ANCHORING BASED ON THE SITE-SPECIFIC APPLICATION.

5. INSTALLATION AND ANCHORING SHALL CONFORM TO THE RECOMMENDATIONS SHOWN WITHIN THE MANUFACTURER'S PUBLISHED LITERATURE FOR THE APPROVED EROSION CONTROL BLANKET. PARTICULAR ATTENTION MUST BE PAID TO JOINTS AND OVERLAPPING MATERIAL. AT A MINIMUM, THE END OF EACH ROLL OF ECB SHALL OVERLAP THE NEXT ROLL BY 3 FEET AND THE SIDES OF ROLLS SHALL OVERLAP 4 INCHES.

6. IN ABSENCE OF MANUFACTURE'S LITERATURE, A MINIMUM 11-GAUGE WIRE STAPLES, 6-INCHES IN LENGTH AND 1-INCH WIDTH WILL BE USED.
7. AFTER APPROPRIATE INSTALLATION, THE BLANKETS SHOULD BE CHECKED FOR UNIFORM CONTACT WITH THE SOIL, SECURITY OF THE LAP JOINTS, AND THE FLUSHNESS OF THE STAPLES WITH THE GROUND.

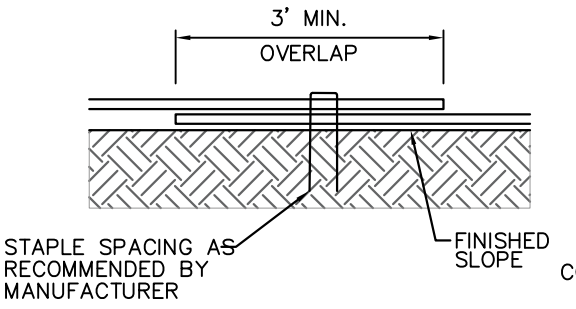
8. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.

TEMPORARY EROSION CONTROL	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.15	
BLANKETS, GENERAL NOTES		DATE AUG '23	STANDARD DRAWING NO. 1200C



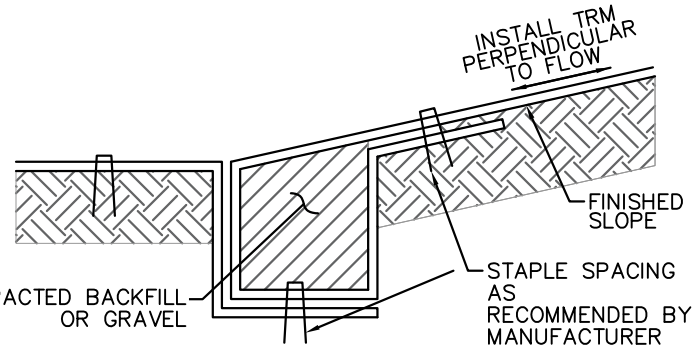
TRM HALF ISOMETRIC PLAN VIEW

N.T.S.



END OF TRM OVERLAP EXAMPLE

N.T.S.



TOE ANCHOR DETAIL

N.T.S.

NOTES:
1. TURF REINFORCEMENT MATS SHALL BE INSTALLED VERTICALLY DOWN SLOPE AS SHOWN.

2. PRIOR TO THE INSTALLATION: ALL ROCKS, DIRT CLODS, STUMPS, ROOTS, TRASH AND ANY OTHER OBSTRUCTIONS THAT WOULD PREVENT THE MAT FROM DIRECT CONTACT WITH THE FINISHED SLOPE, SHALL BE REMOVED.

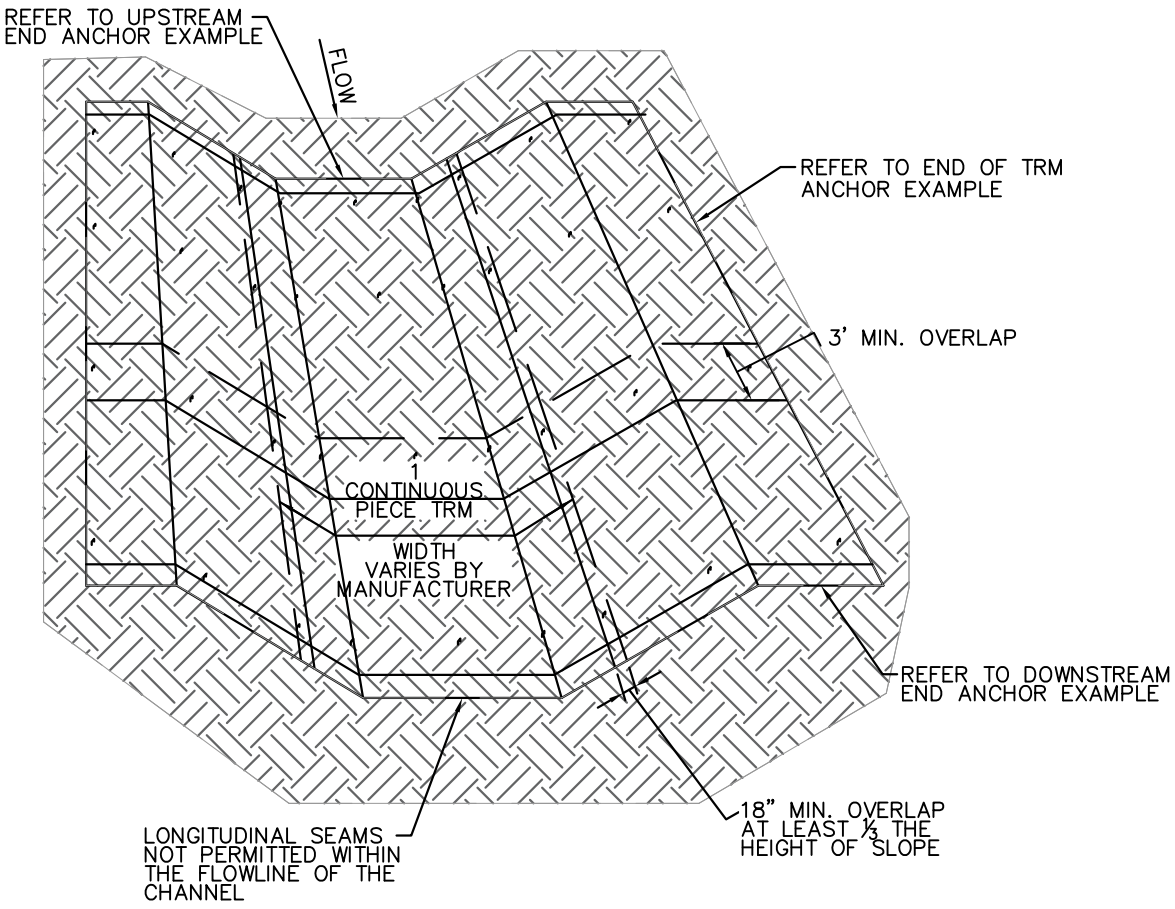
PERMANENT TURF REINFORCEMENT MATS

North Central Texas Council of Governments

STANDARD SPECIFICATION REFERENCE: N/A

DATE: AUG '23

STANDARD DRAWING NO.: 1210A

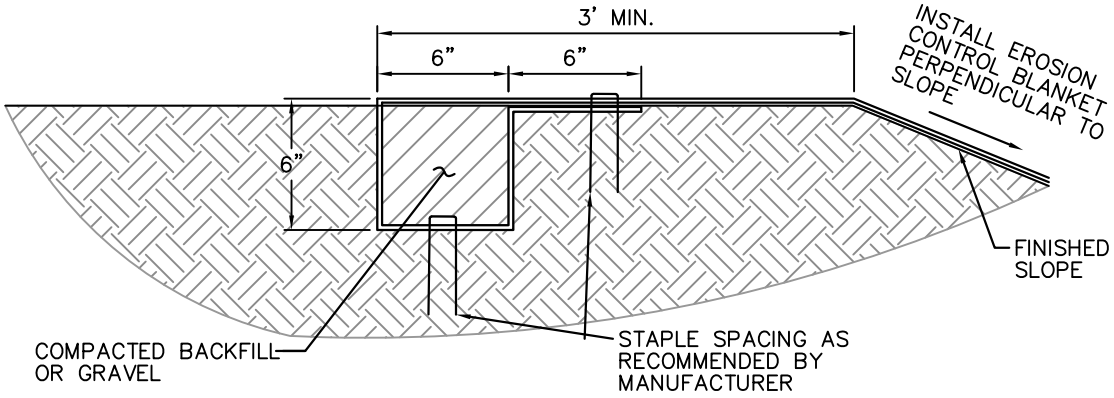


TRM ISOMETRIC PLAN VIEW FOR SMALL CHANNELS/DITCHES

N.T.S.

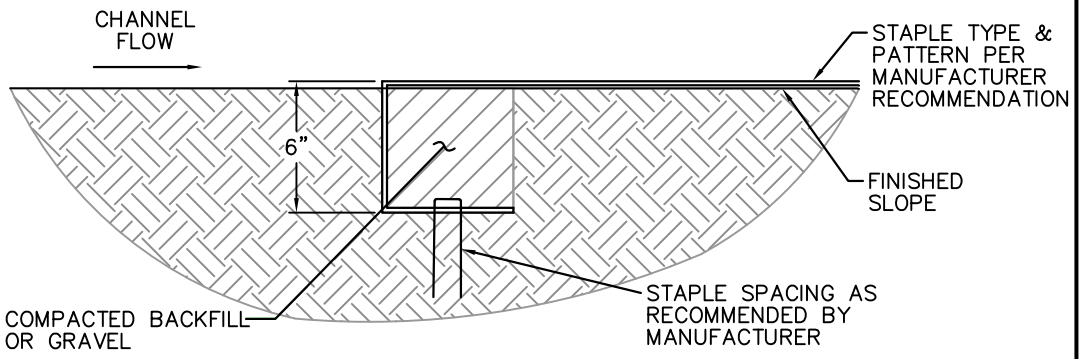
NOTE: LONGITUDINAL INSTALLATION OF TURF REINFORCEMENT MAT PERMITTED ONLY FOR CHANNEL WIDTHS 0' TO 8'. CONTRACTOR SHALL VERIFY MAT MEETS OVERLAP AND SLOPE REQUIREMENTS STATED ABOVE.

PERMANENT TURF REINFORCEMENT MATS	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: N/A	
		DATE: AUG '23	STANDARD DRAWING NO.: 1210B



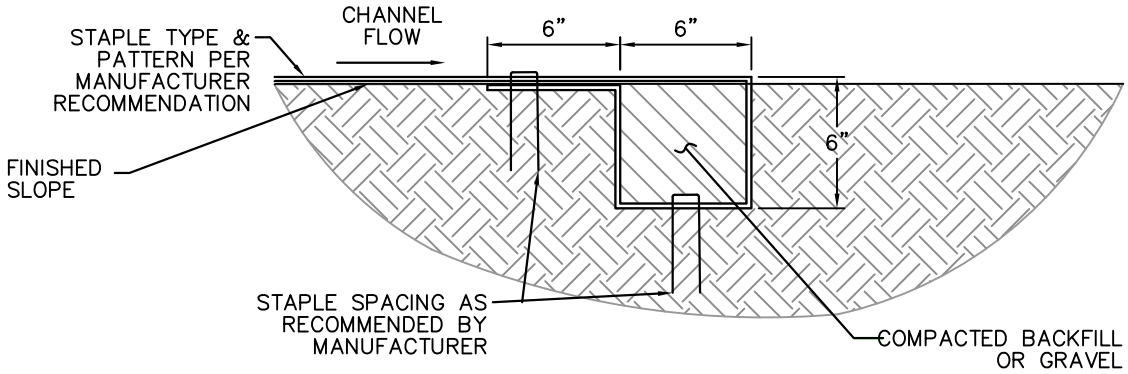
TRM PERIMETER ANCHOR EXAMPLE

N.T.S.



TRM UPSTREAM END ANCHOR EXAMPLE

N.T.S.

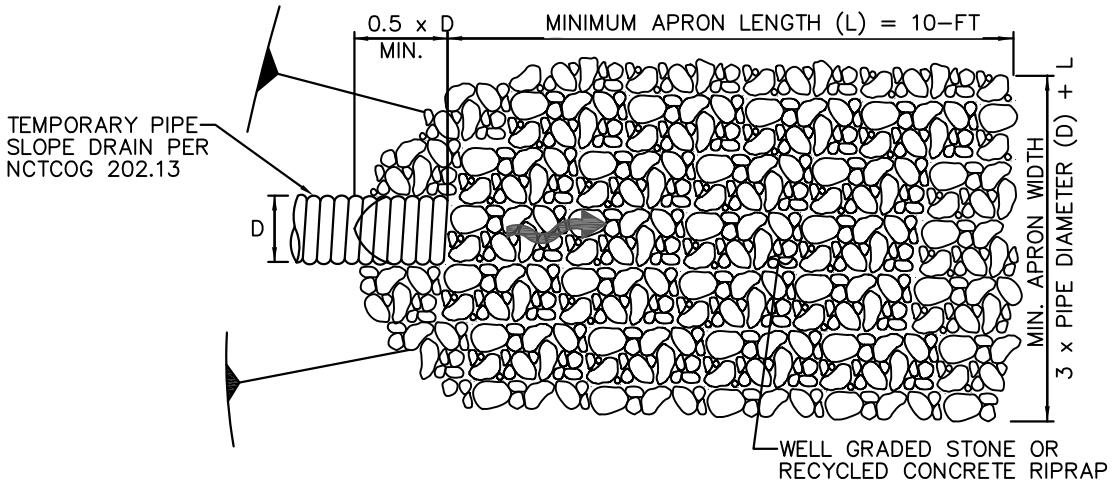


TRM DOWNSTREAM END ANCHOR EXAMPLE

N.T.S.

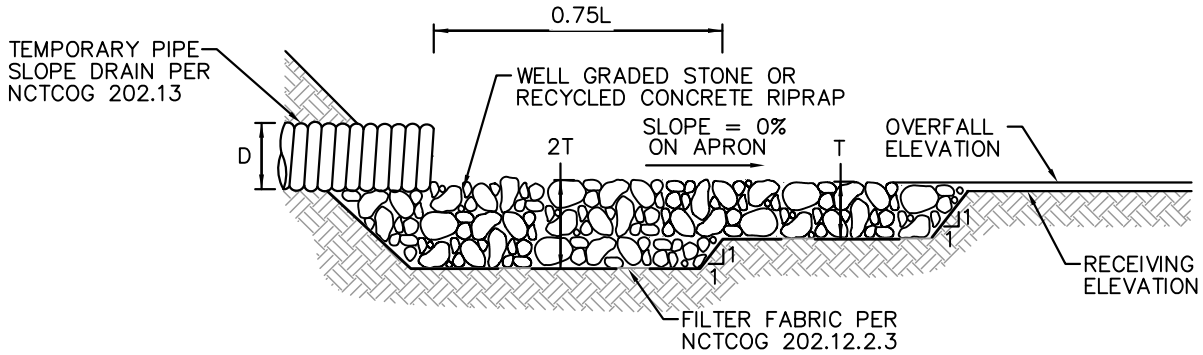
PERMANENT TURF	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE	
REINFORCEMENT MAT ANCHORING		N/A	
		DATE: AUG '23	STANDARD DRAWING NO.: 1210C

SPECIFIC DESIGN INFORMATION ON
THE EROSION CONTROL PLANS IS
REQUIRED FOR EACH INSTALLATION



TEMPORARY VELOCITY DISSIPATION DEVICE PLAN VIEW

N.T.S



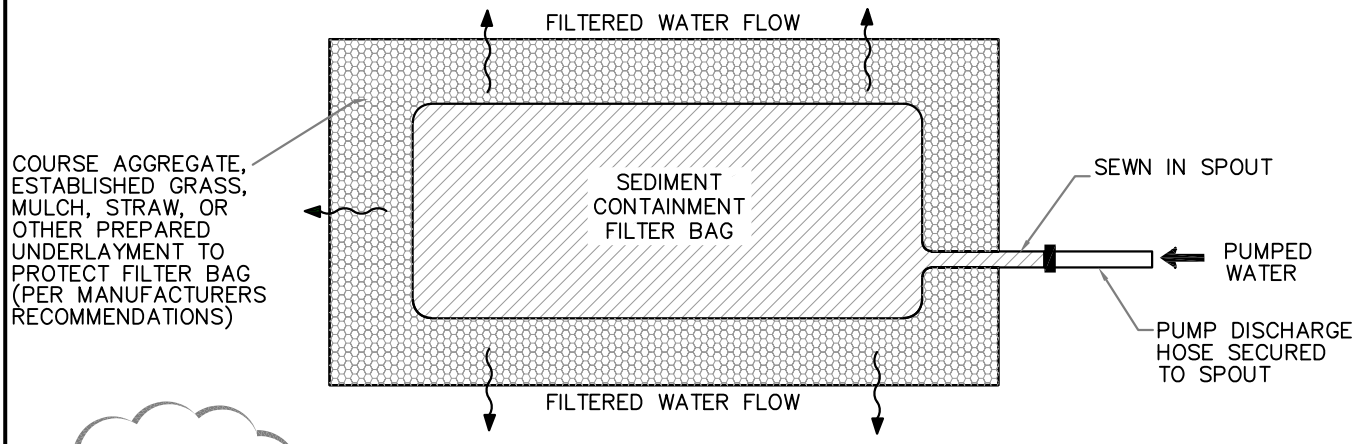
TEMPORARY VELOCITY DISSIPATION DEVICE PROFILE VIEW

N.T.S

NOTE: DIMENSIONS OF THE RIPRAP APRON SHALL BE DESIGNED BASED ON FLOW CONDITIONS. TEMPORARY CONTROL DESIGN STORM (2–YEARS, 24–HOUR). PROVIDE CALCULATIONS THAT DOCUMENT THE FOLLOWING PARAMETERS USED TO DESIGN THE APRON.

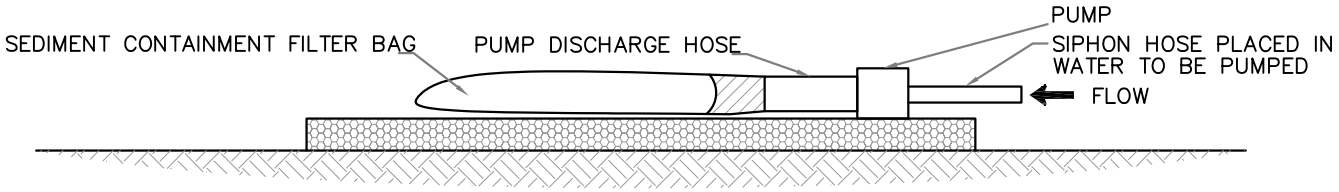
- PIPE DIAMETER (OR EQUIVALENT FOR FLUME, SWALE, ETC.), D, FEET
- DISCHARGE VELOCITY FROM DRAINAGE STRUCTURE, V_{PIPE}, FT/S
- DETERMINE GRADATION FOR d_{50} WELL GRADED STONE OR RECYCLED CONCRETE RIPRAP
- MEDIAN STONE DIAMETER d_{50} AND MAXIMUM STONE DIAMETER (d_{100}), FEET

VELOCITY DISSIPATION DEVICE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.13	
		DATE AUG '23	STANDARD DRAWING NO. 1220



SHOW LOCATIONS OF FILTER BAGS ON THE DRAWINGS.

SEDIMENT FILTER BAG PLAN VIEW
N.T.S.



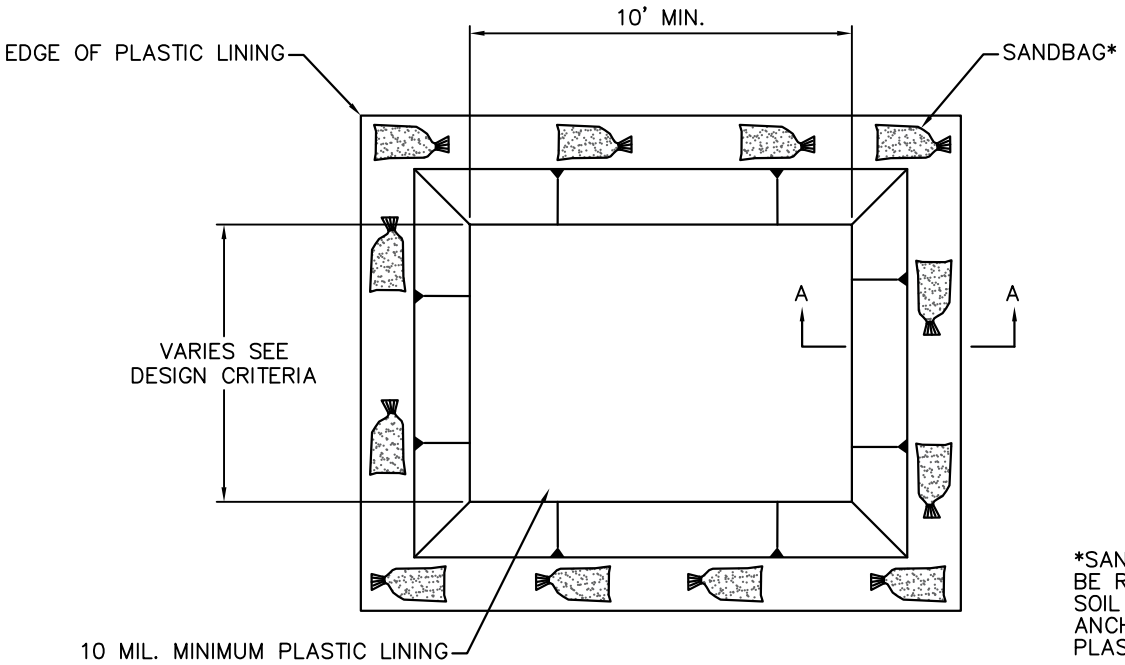
SEDIMENT FILTER BAG PROFILE
N.T.S.

DEWATERING CONTROL GENERAL NOTES:

1. THE BAG SHOULD BE A NON-WOVEN, NEEDLE-PUNCHED, GEOTEXTILE. MATERIALS SHOULD CONFORM TO SPECIFICATION 202.5.2.1 AS A MINIMUM.

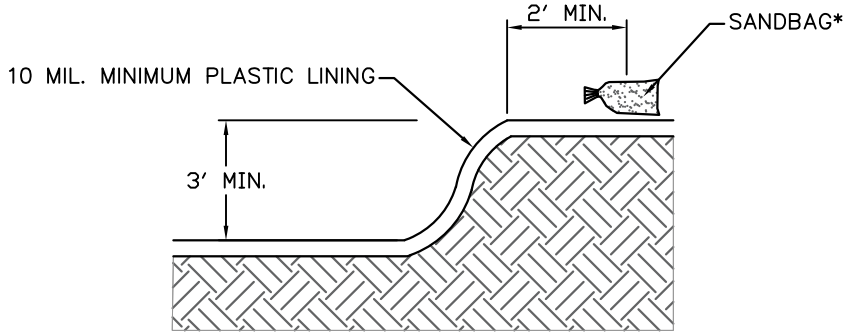
2. CAPACITY, INSTALLATION, MAINTENANCE, AND REMOVAL OF BAGS AND PUMPS SHOULD CONFORM TO PUBLISHED MANUFACTURER LITERATURE.

DEWATERING CONTROLS	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 203.2	
		DATE AUG '23	STANDARD DRAWING NO. 1230



CONCRETE WASHOUT PLAN VIEW

N.F.S



CONCRETE WASHOUT SECTION A–A

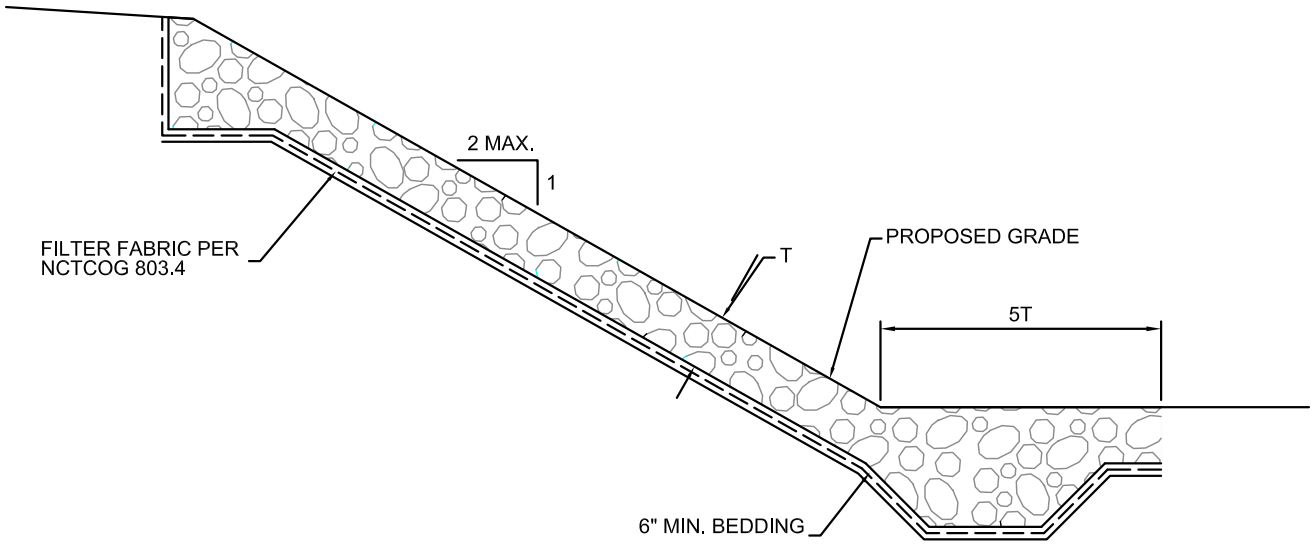
N.F.S

CONCRETE WASHOUT NOTES:

1. WASHOUT AREA MUST BE CLEARLY MARKED WITH SIGNAGE NOTING THE WASHOUT AREA.

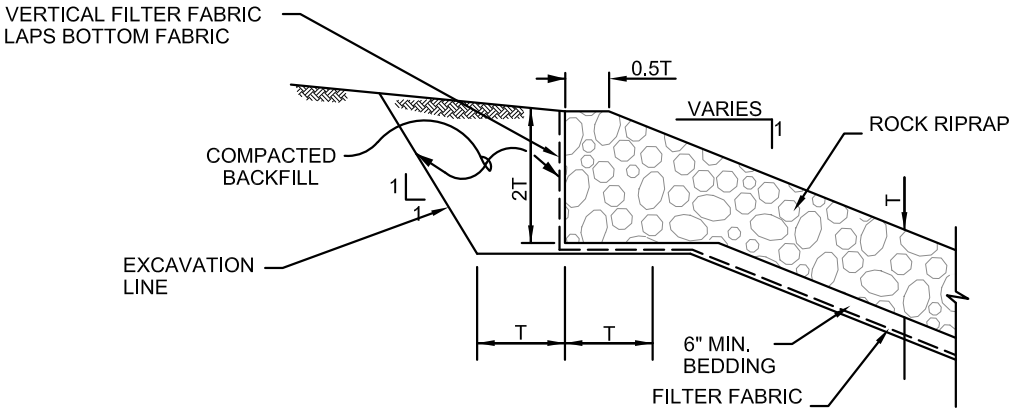
2. WASHOUT STRUCTURES SHALL BE CLEANED OUT WHEN THE STRUCTURE IS 75% FULL. TEMPORARY CONCRETE WASHOUT FACILITY SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY.

CONCRETE WASHOUT CONTAINMENT	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE N/A	
		DATE AUG '23	STANDARD DRAWING NO. 1240



TYPICAL ROCK RIPRAP SLOPE PROTECTION SECTION

N.T.S.

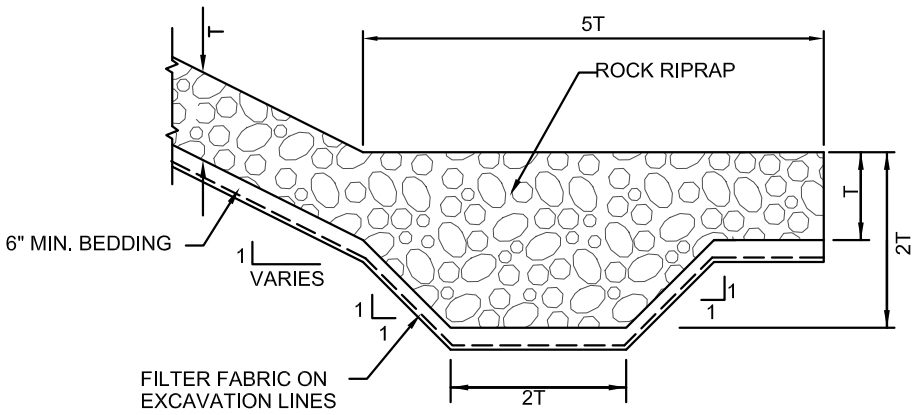


ROCK RIPRAP TOP OF BANK DETAIL

N.T.S.

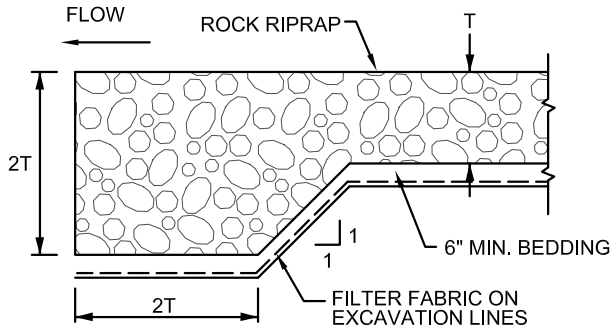
- ROCK RIPRAP DRY OR GROUTED AS SHOWN ON EROSION CONTROL PLANS — $T = 1.5 \times d_{50}$
- FILTER FABRIC SPLICES SHALL HAVE A MINIMUM 18 INCHES OVERLAP — $d_{min.}$=_____
- DETERMINE GRADATION FOR d_{50} WELL GRADED STONE — d_{50} = _____
- MEDIAN STONE DIAMETER d_{50} AND MAXIMUM STONE DIAMETER d_{100}, FEET — d_{100}= _____
- SIZING OF d(min), d(50), AND d(100) AS DETERMINED BY OWNER

GROUTED ROCK RIP RAP	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 803.3	
		DATE AUG '23	STANDARD DRAWING NO. 1250A



ROCK RIPRAP TOE OF SLOPE DETAIL

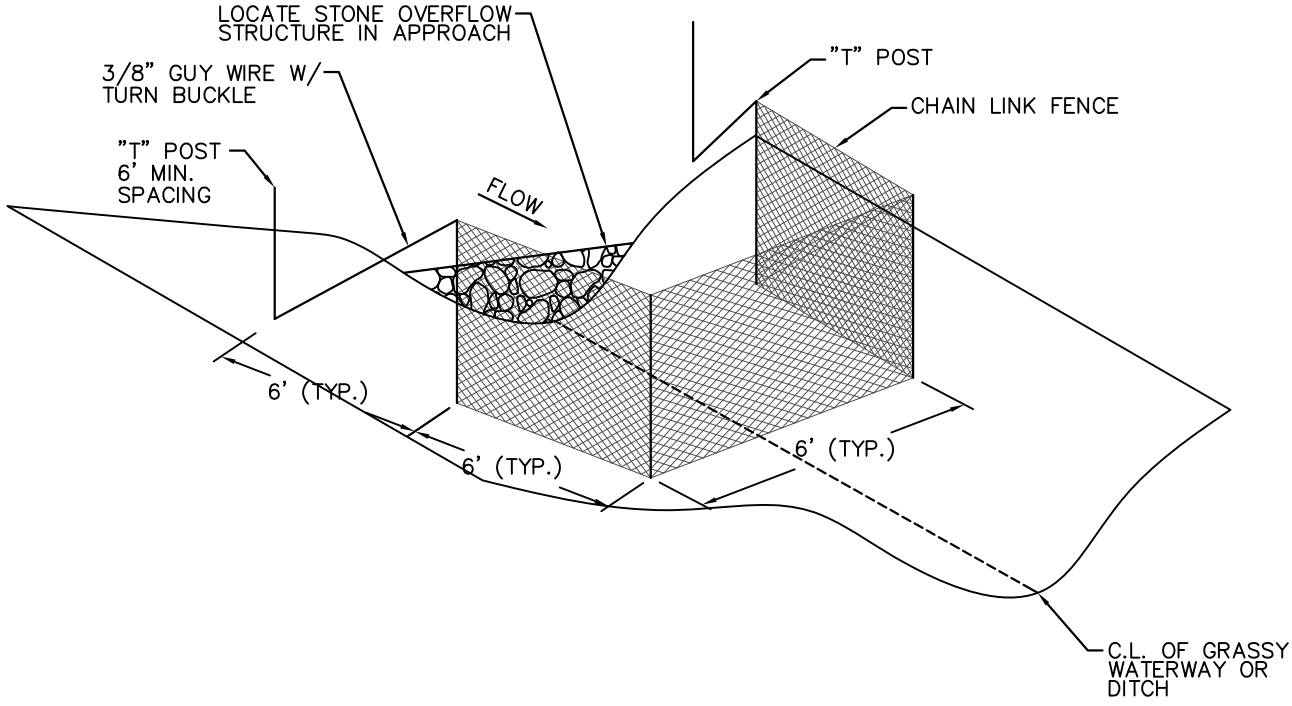
N.T.S.



UPSTREAM ROCK RIPRAP TOE WALL DETAIL

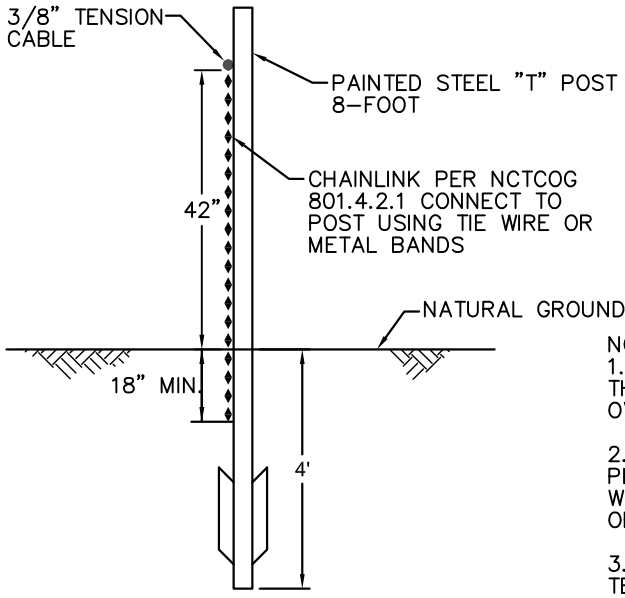
N.T.S.

GROUTED ROCK RIP RAP	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 803.3
		DATE AUG '23 / STANDARD DRAWING NO. 1250B



TEMPORARY TRASH SCREEN DETAIL

N.T.S.



NOTES:

1. CONCENTRATED DITCH FLOW COMING TOWARD THE INSTALLATION WILL REQUIRE A STONE OVERFLOW STRUCTURE TO BE CONSTRUCTED.

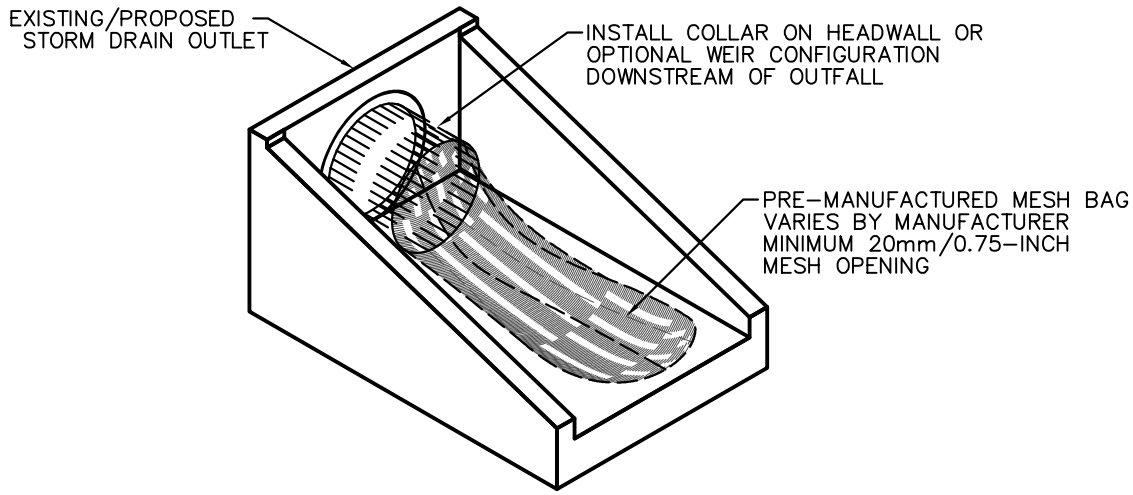
2. HEIGHT OF INSTALLATION SHALL BE SHOWN ON PLANS AND MUST BE CHECKED TO VERIFY PONDING WATER WILL NOT CAUSE FLOODING OF PROPERTY OR DAMAGE.

3. ENGINEER TO VERIFY APPLICABILITY OF TEMPORARY TRASH SCREEN.

PROFILE OFTEMPORARY TRASH SCREEN DETAIL

N.T.S.

TEMPORARY TRASH SCREEN	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: N/A	
		DATE: AUG '23	STANDARD DRAWING NO.: 1255

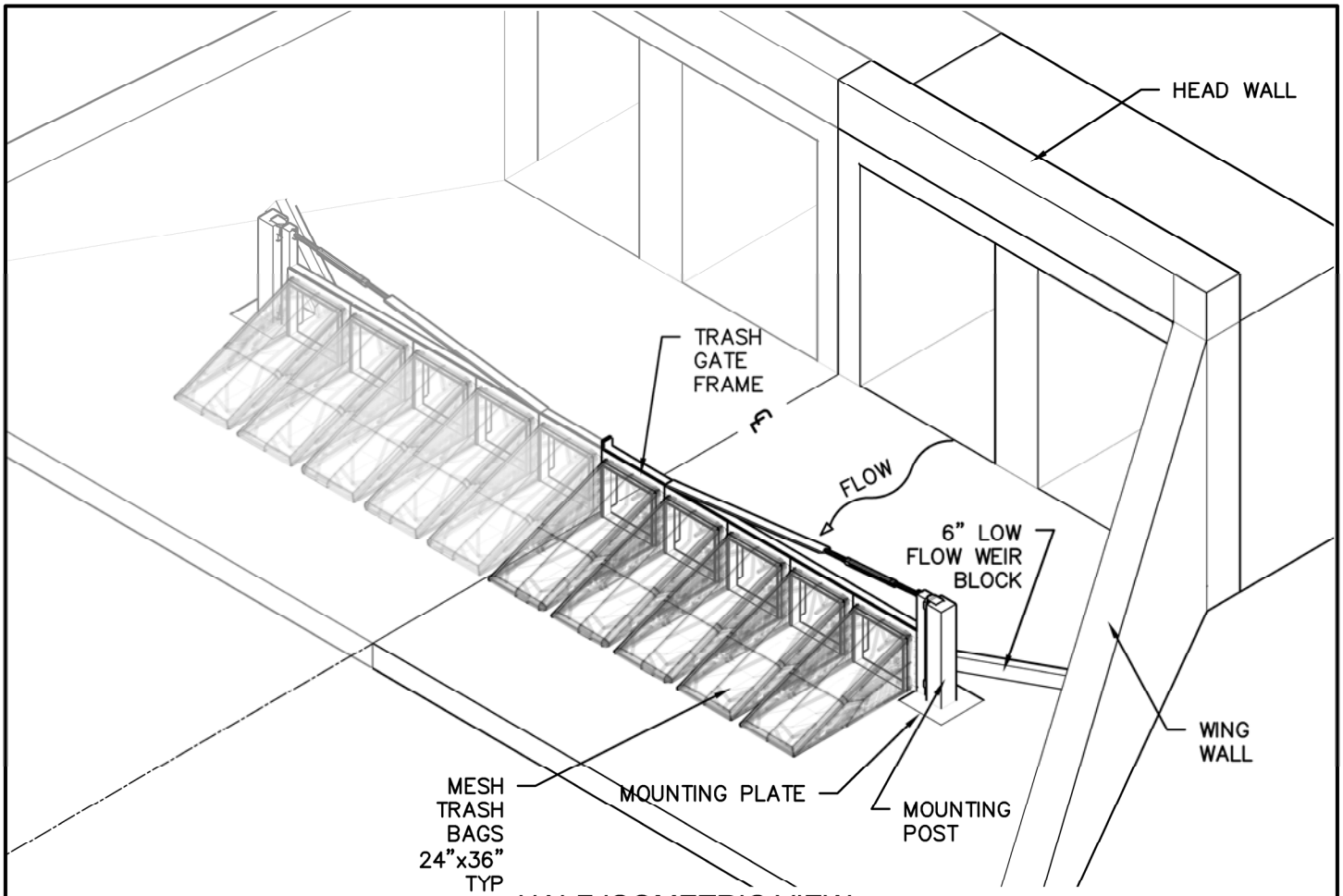


OUTLET TRASH SCREEN BAG

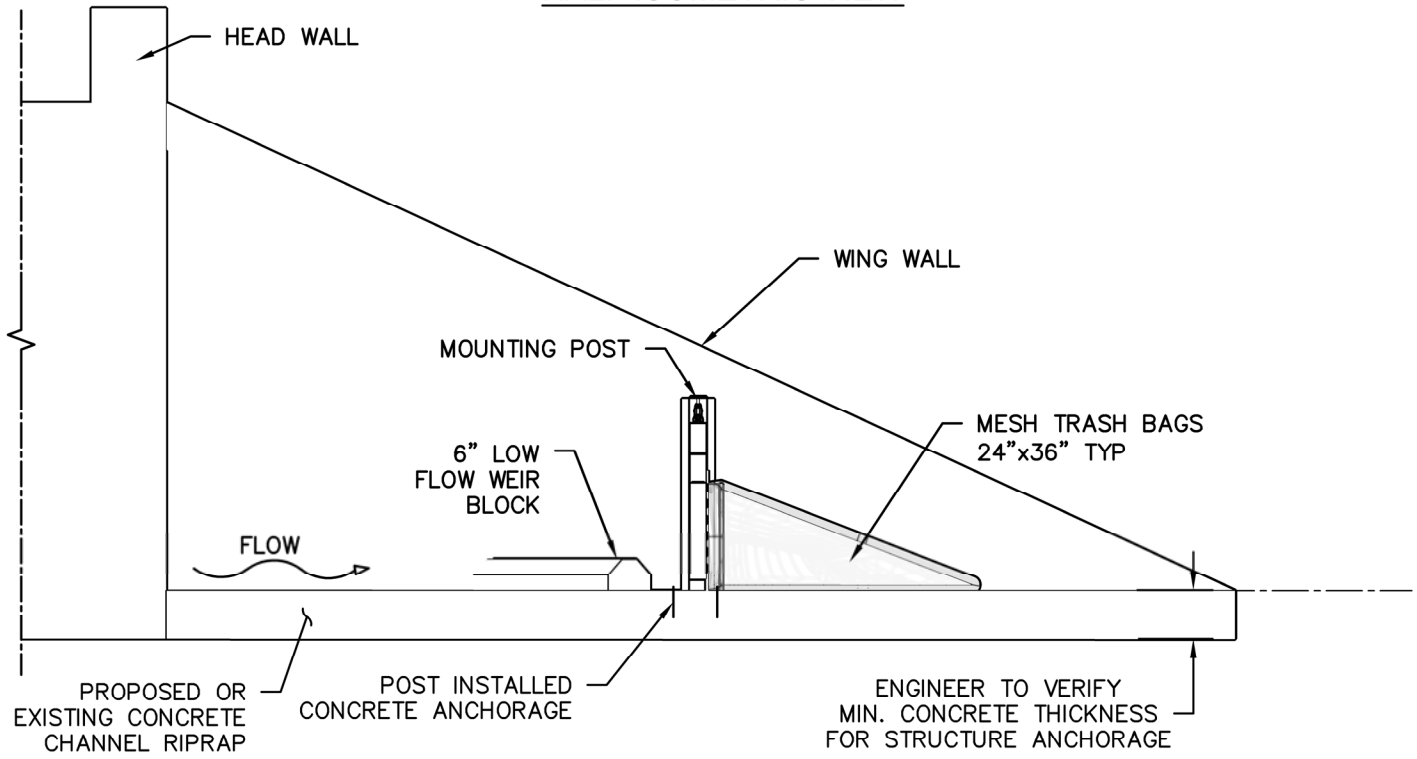
N.T.S.

NOTE: INSTALL COLLAR AND BAG SIZED BY OWNER AND FROM OWNER'S MANUFACTURER OF CHOICE

OUTLET TRASH SCREEN BAG	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE: N/A	
		DATE: AUG '23	STANDARD DRAWING NO.: 1260



HALF ISOMETRIC VIEW



SIDE VIEW WITH HEADWALL

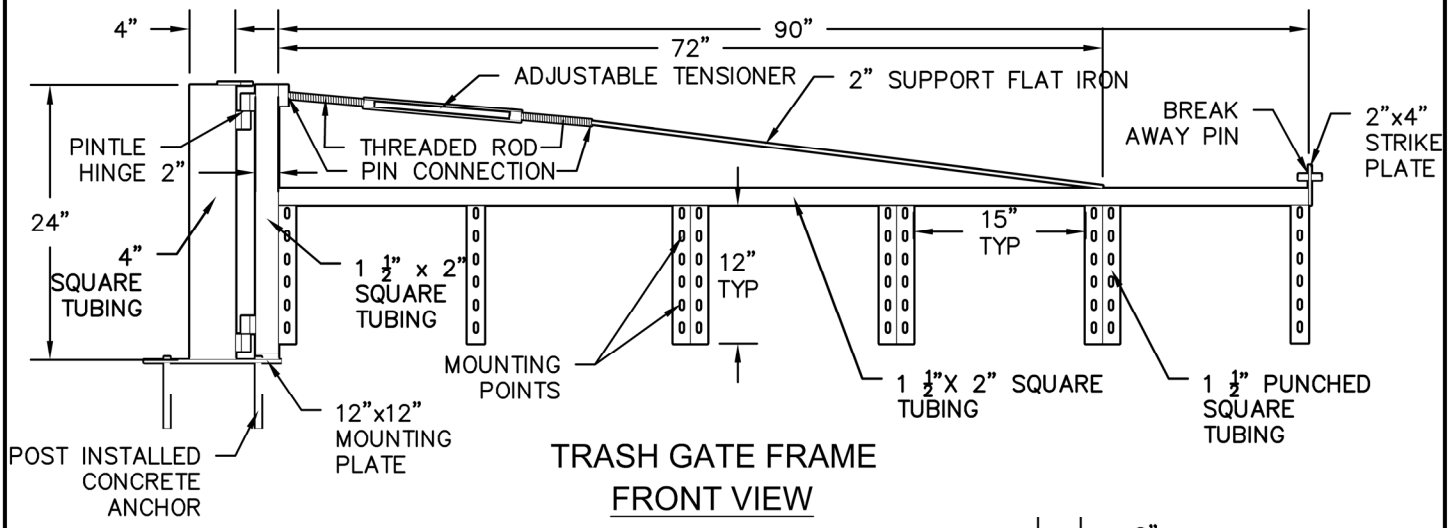
MULTIPLE OUTLET TRASH SCREEN BAG SYSTEM

North Central Texas Council of Governments

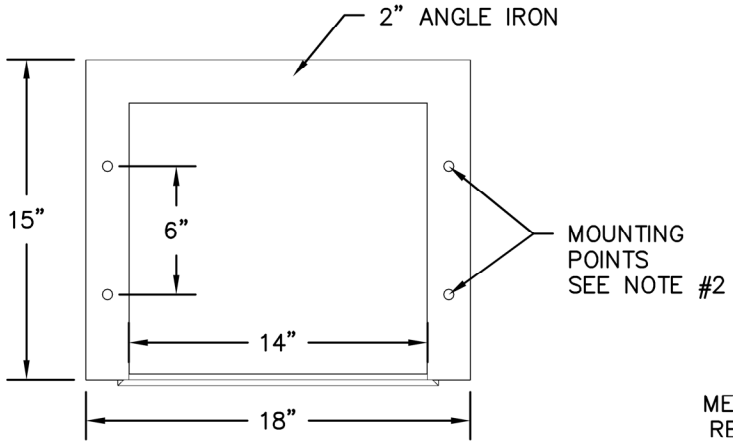
STANDARD SPECIFICATION REFERENCE
N/A

DATE
AUG '23

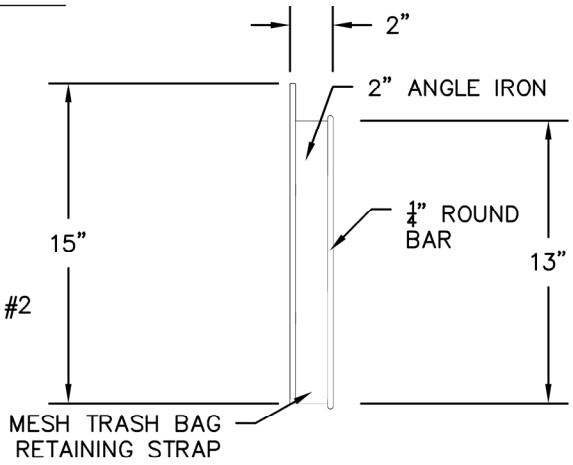
STANDARD DRAWING NO.
1265A



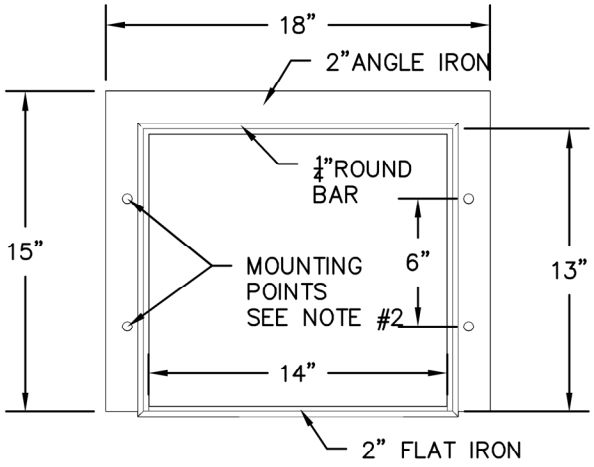
TRASH GATE FRAME
FRONT VIEW



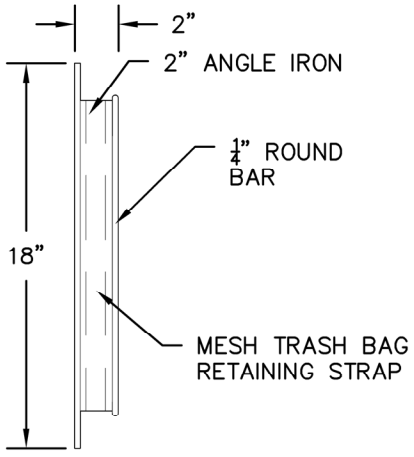
TRASH BAG BRACKET
FRONT VIEW



TRASH BAG BRACKET
SIDE VIEW



TRASH BAG BRACKET
BACK VIEW

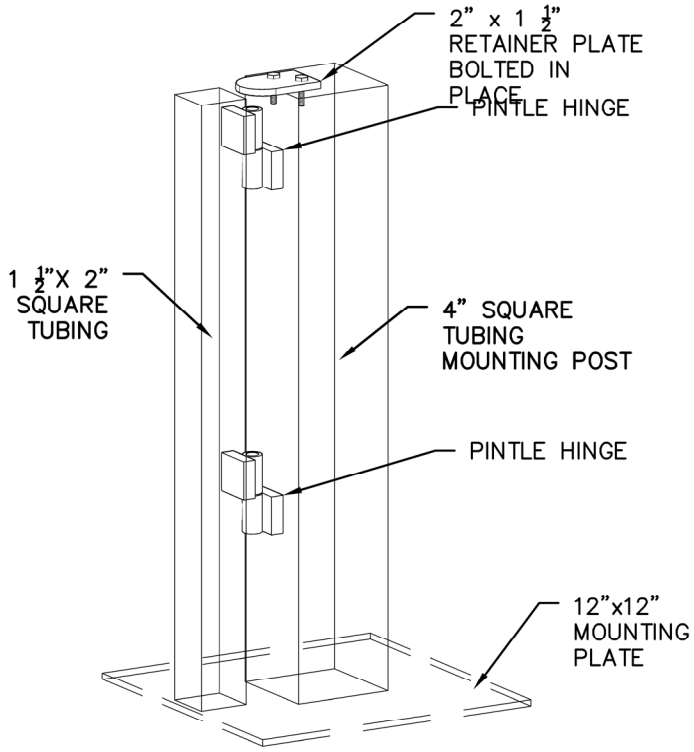


TRASH BAG BRACKET
TOP VIEW

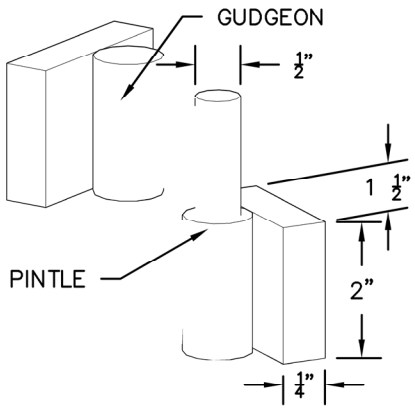
NOTES:

1. ALL MATERIAL UNLESS OTHERWISE NOTED IS 1/4" PAINTED STEEL WELDED CONNECTIONS
2. ATTACH USING 1/2" X 2" THREADED BOLTS WITH 12" WASHERS AND NUTS.
3. ALL DIMENSIONS ARE BASED ON FIELD MEASUREMENTS, ENGINEER TO VERIFY LENGTHS AND THICKNESS,DEPENDING ON APPLICATION

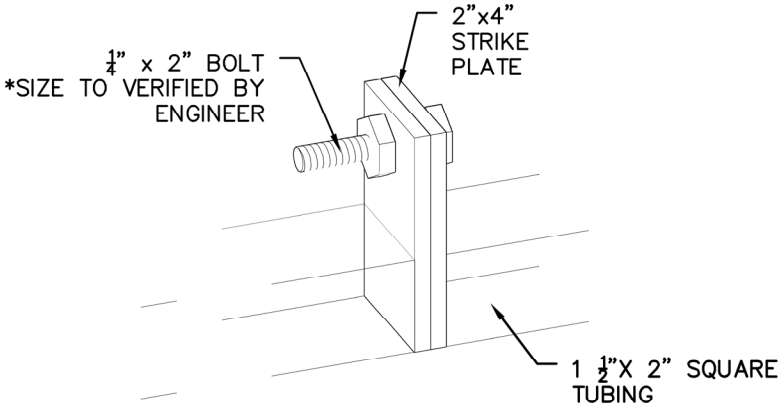
MULTIPLE OUTLET TRASH SCREEN BAG SYSTEM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE N/A	
		DATE AUG '23	STANDARD DRAWING NO. 1265B



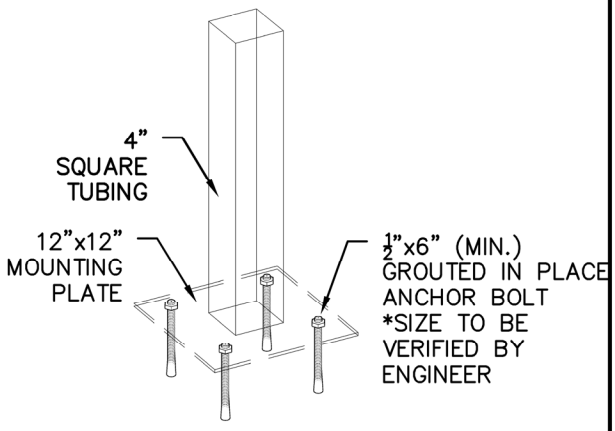
PINTLE HINGE DETAIL



EXPLODED PINTLE HINGE DETAIL



BREAK AWAY PIN DETAIL



POST INTALLED CONCRETE ANCHOR

NOTES:

1. ALL MATERIAL UNLESS OTHERWISE NOTED IS ¼" PAINTED STEEL WELDED CONNECTIONS.
2. ATTACH USING ½" X 2" THREADED BOLTS WITH ½" WASHERS AND NUTS.
3. ALL DIMENSIONS ARE BASED ON FIELD MEASUREMENTS, ENGINEER TO VERIFY LENGTHS AND THICKNESS, DEPENDING ON APPLICATION

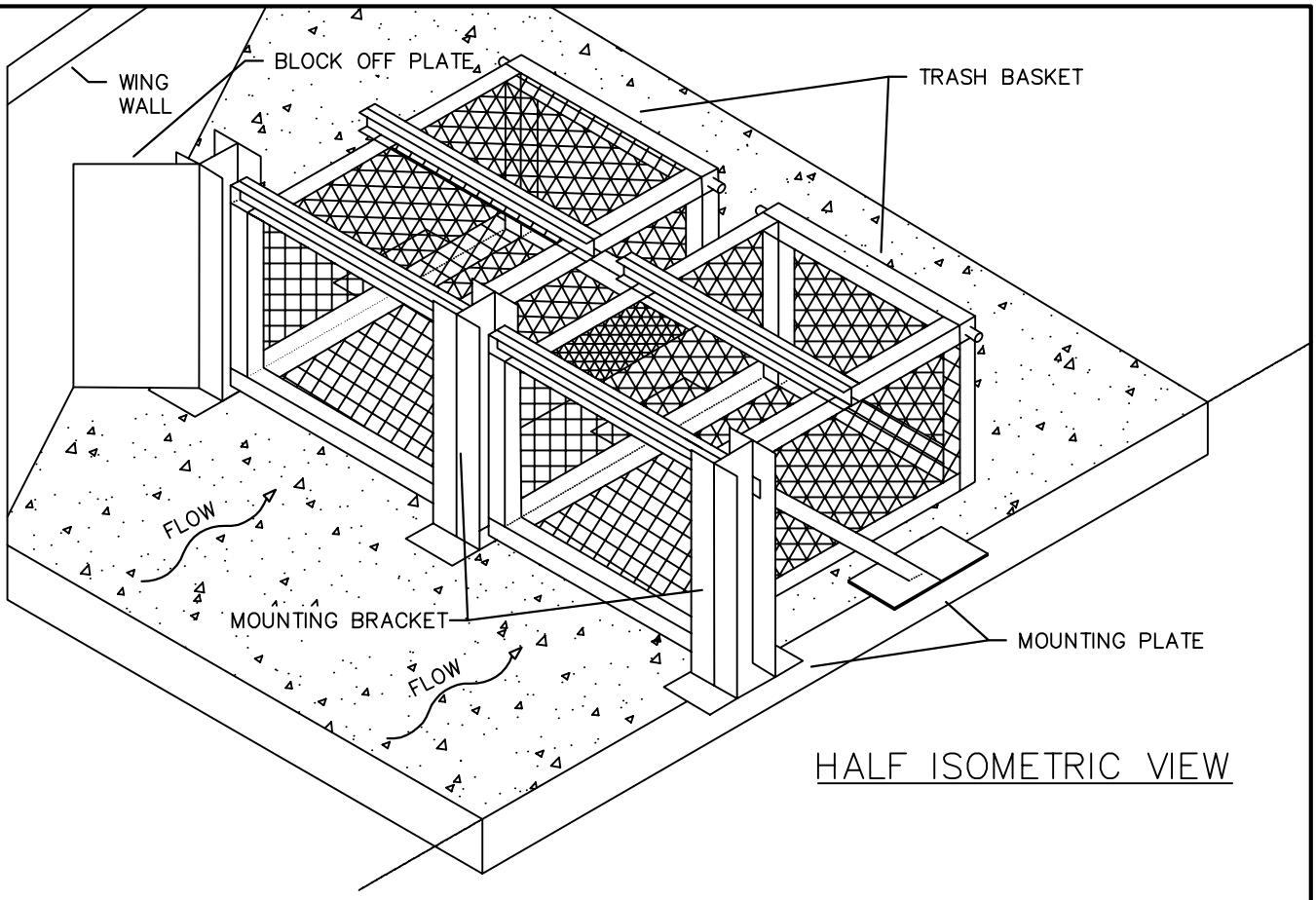
MULTIPLE OUTLET TRASH SCREEN BAG SYSTEM

North Central Texas Council of Governments

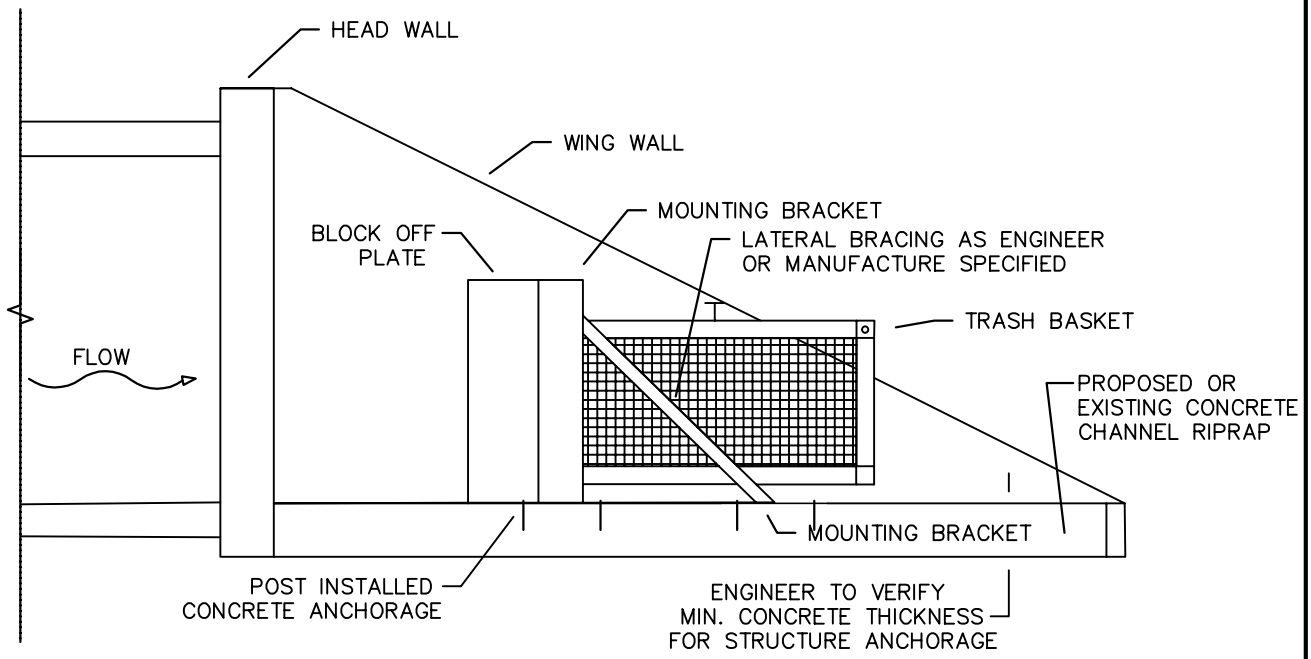
STANDARD SPECIFICATION REFERENCE
N/A

DATE
AUG '23

STANDARD DRAWING NO.
1265C



HALF ISOMETRIC VIEW



SIDE VIEW WITH HEADWALL

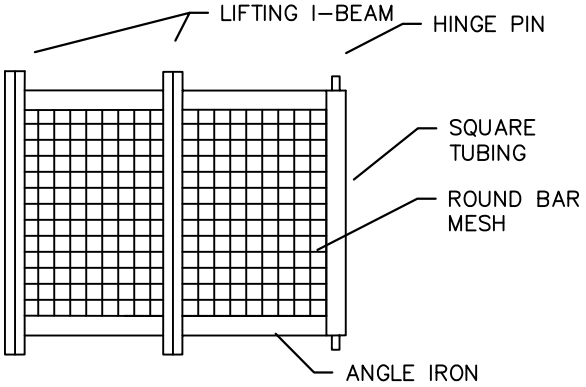
MULTIPLE OUTLET TRASH SCREEN BASKET SYSTEM

North Central Texas Council of Governments

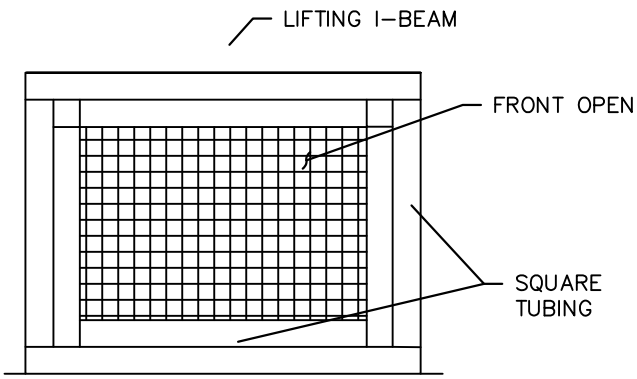
STANDARD SPECIFICATION REFERENCE
N/A

DATE
AUG '23

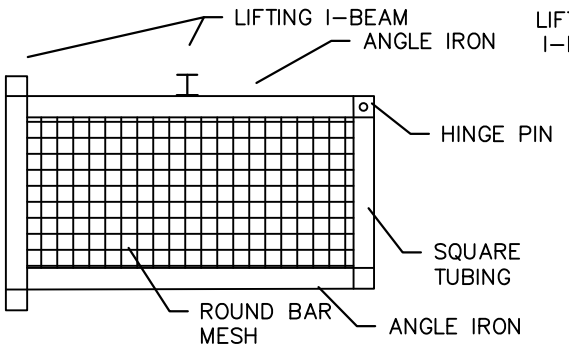
STANDARD DRAWING NO.
1270A



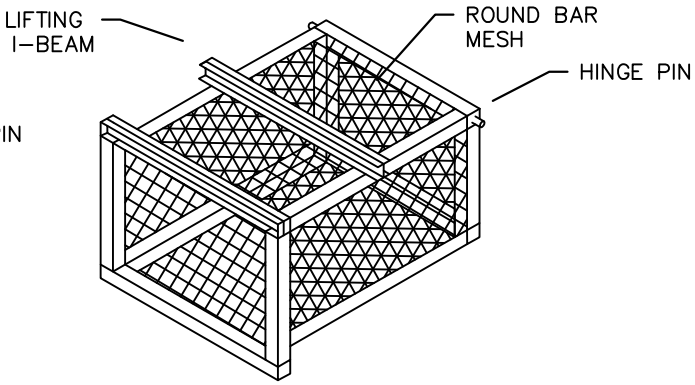
TRASH BASKET
TOP VIEW



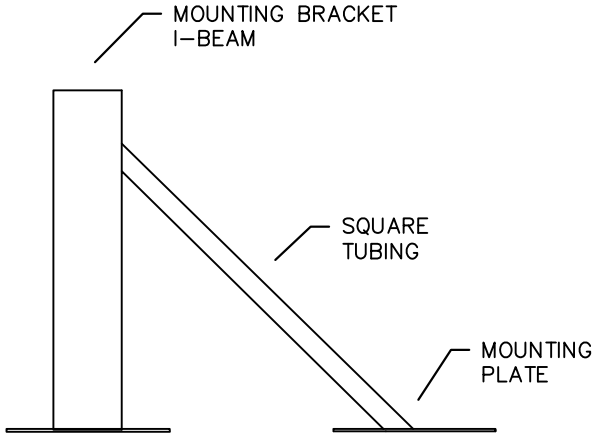
TRASH BASKET
FRONT VIEW



TRASH BASKET
SIDE VIEW



TRASH BASKET
ISOMETRIC VIEW



MOUNTING BRACKET

NOTES:
1. OVERALL SIZE AND LOCATION TO BE DETERMINED BY THE OWNER.
2. SIZE AND SPACING OF MESH TO BE DETERMINED BY THE OWNER.
3. SIZING OF STRUCTURAL MEMBERS AND CONNECTIONS AS DETERMINED BY OWNER.

MULTIPLE OUTLET TRASH SCREEN BASKET SYSTEM

North Central Texas Council of Governments

STANDARD SPECIFICATION REFERENCE
N/A

DATE
AUG '23

STANDARD DRAWING NO.
1270B