

Erosion Control Notes

1. The Contractor is responsible for preparing and implementing a Storm Water Pollution Prevention Plan (SWP3) in accordance with TCEQ Texas Pollutant Discharge Elimination System (TPDES) Permit No. TXR150000 (PERMIT). The details shown on this sheet represent typical methods for controlling erosion during construction and are intended for the Contractor's guidance in preparing his Pollution Prevention Plan. The Contractor's plan shall comply with the PERMIT and Federal, State and local requirements. The Contractor's plan shall include, but not be limited to, preparation and submission of a Notice of Intent (NOI) to the TCEQ, if the project is 5 acres or larger and preparation of all plans and documentation as required by the PERMIT.

2. It is the intent of the information provided on these documents to be used as a general guideline for the Contractor. The SWP3 to be prepared by the Contractor shall meet the current requirements set forth in the TCEQ's TPDES general permit for storm water discharges from construction sites as well as any local requirements.

3. The Contractor shall be responsible for maintaining erosion control during construction and for obtaining any required construction related drainage permits or making any construction related notifications. An inspection report that summarizes inspection activities and implementation of the SWP3 shall be performed as required by the PERMIT and retained by the Contractor and made a part of the construction documents. The Contractor shall provide copies of all SWP3 documents including, but not limited to, inspection records, original plans, and modified plans to the Owner at contract close-out. During construction the contractor shall provide copies of the inspection reports to the Owner on a monthly basis.

4. Temporary storm drainage and/or erosion control material shall be suitable for this application and shall be installed with the proper techniques by the Contractor as required by NCTCOG Standard Specifications for Public Works Construction. Temporary storm drainage and/or erosion control material shall be removed by the Contractor, in addition to any excavations backfilled by the Contractor, in accordance with NCTCOG Standard Specifications for Public Works Construction when temporary erosion control devices are no longer needed as specified in the PERMIT. Maintenance of the permanent erosion control measures of the site will be assumed by the Owner at contract close out and acceptance of the work.

5. The Contractor shall maintain his SWP3 in accordance with the TCEQ Permit and make his SWP3 available, upon request, to the TCEQ and/or Owner.

6. The Contractor must amend his SWP3 whenever there is a change in design, construction, operation, or maintenance of the SWP3, or when the existing SWP3 proves ineffective. Modifications shall not compromise the intent of the requirements of the PERMIT. Modifications including design and additional materials and work shall be accomplished by the Contractor at no additional expense to the Owner.

7. The Contractor shall inspect his stabilization and erosion control measures at a minimum of once every 14 days, and within 24 hours after any storm event greater than 0.5 inches, or once every 7 days. The Contractor shall repair inadequacies revealed by the inspection before the next storm event and he shall modify his SWP3 within 7 days of the inspection.

8. The Contractor shall adopt and implement appropriate construction site management practices to prevent the discharge of oils, grease, paints, gasoline, and other pollutants to storm water. Appropriate practices shall include, but not be limited to: designating areas for equipment maintenance and repair; collecting wastes periodically; maintaining conveniently located waste receptacles; and designating and controlling equipment washdown.

9. Borrow areas, if excavated, shall be protected and stabilized by the Contractor in a manner acceptable to the Owner and in accordance with PERMIT requirements.

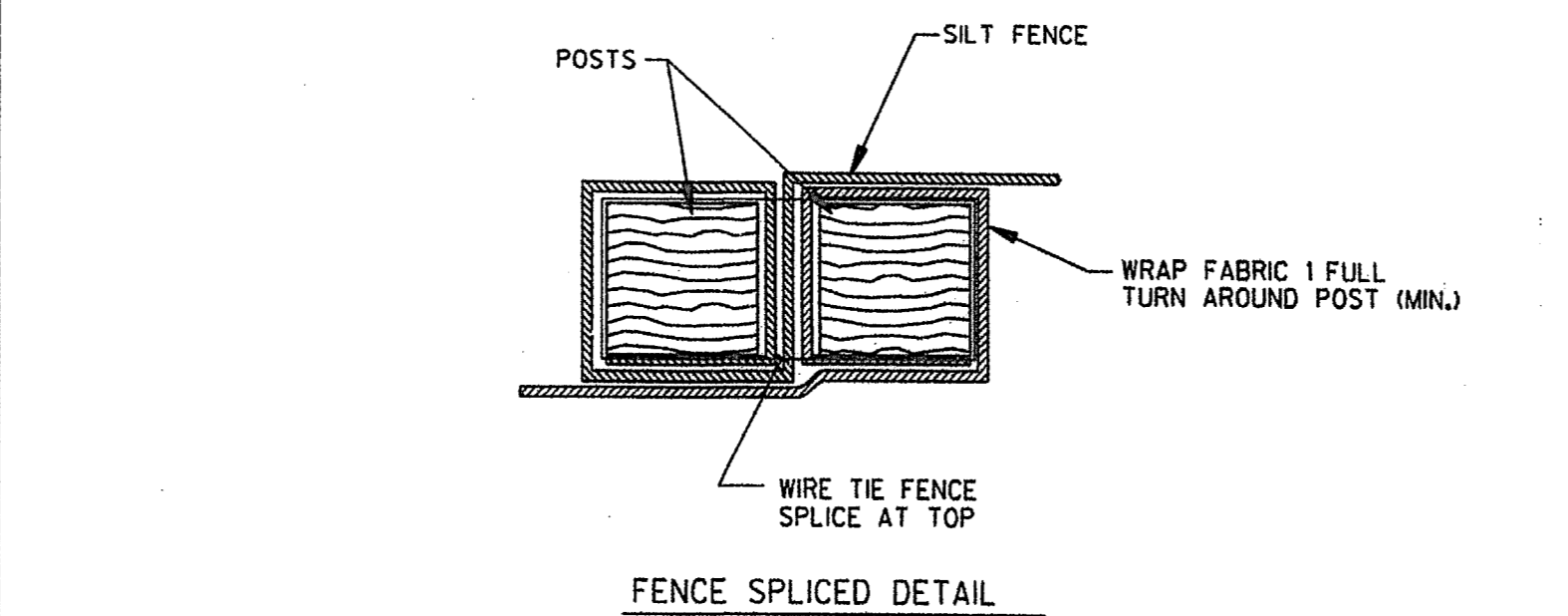
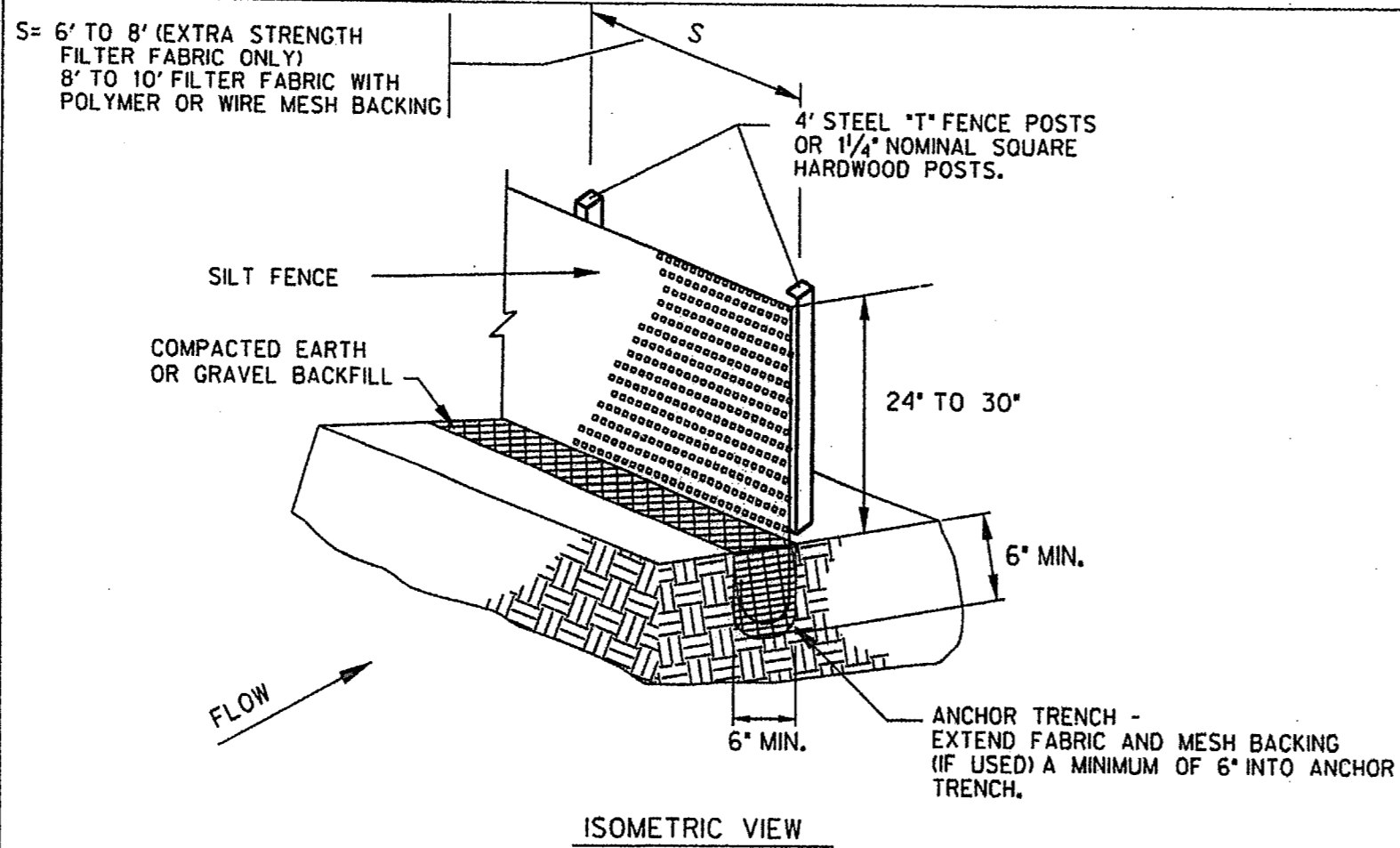
10. All non-paved areas shall be seeded and mulched with erosion protection grass by the Contractor immediately upon completion of final grading. This includes all ditches and embankments. The Contractor shall maintain final grading, and keep seeded areas watered until fully established and accepted by Owner.

11. The Contractor shall construct a silt fence at locations suggested on plans as appropriate or as modified in his SWP3 to fit site conditions at the time of placement, and all borrow and stock pile areas. The silt fence shall be constructed as detailed on this plan. The Contractor shall remove accumulated silt when it reaches a depth of 1/3 the height of the silt fence. The Contractor shall dispose of the removed silt in a location approved by the Owner and in such a manner as to not contribute to erosion and sedimentation. The Contractor shall remove the silt fence when the site is completely stabilized in accordance with the PERMIT.

12. The Contractor shall designate material and equipment storage areas mutually agreed to by the Owner. The storage areas shall be graded for positive drainage, and the surface stabilized with a minimum of 2 inches of compacted flex base on 6 inches of scarified and recompacted subgrade by the Contractor. A silt fence shall be installed by the Contractor around the storage areas to prevent eroded material from leaving the site.

13. All inlets (onsite and offsite) receiving drainage water from disturbed areas shall be protected by the Contractor as per details shown or other Owner approved methods to prevent eroded material from being transported into inlets. The inlet protection shall be constructed as shown on these plans.

14. The notes and details contained herein do not relieve the Contractor and Owner of meeting and implementing the requirements of the PERMIT.

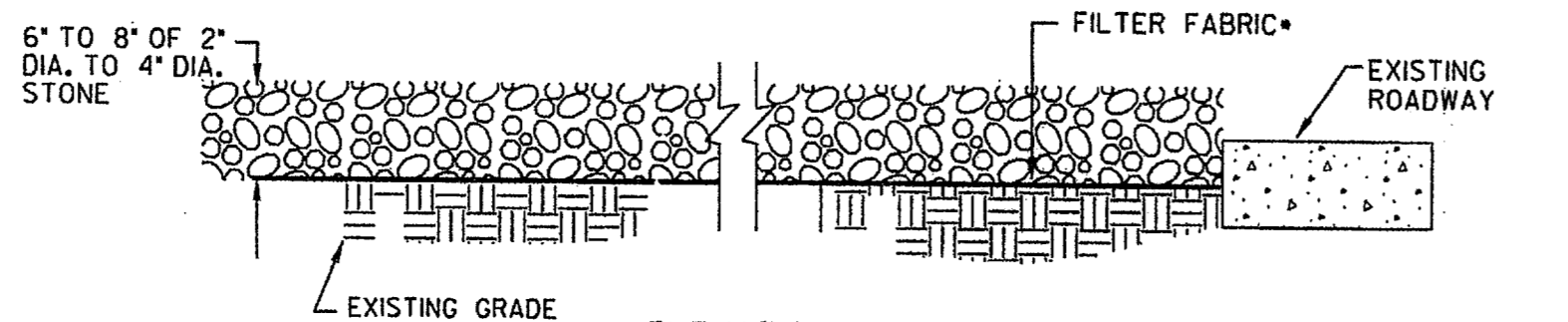


SILT FENCE GENERAL NOTES:

1. THE BOTTOM OF THE SILT FENCE SHALL BE SET IN ANCHOR TRENCH PER THE DETAIL. WHERE THE SILT FENCE CANNOT BE ANCHORED IN A TRENCH (E.G. PAVEMENT), SILT FENCE SHALL BE ANCHORED DOWN WITH WASHED GRAVEL.
2. AT SPLICES IN THE SILT FENCE, THE SILT FENCE SHALL BE WRAPPED AROUND EACH END POST, ONE FULL TURN, POSTS DRIVEN ADJACENT TO EACH OTHER WITH THE TOPS OF THE POSTS SECURED TIGHTLY TOGETHER WITH WIRE TO PREVENT SEDIMENT FLOWING THROUGH THE SPLICED JOINT.
3. SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST.
4. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 1/3 THE HEIGHT OF THE SILT FENCE OR AS NECESSARY TO MAINTAIN THE SILT FENCE IN GOOD OPERATING ORDER. THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
5. SILT FENCE AND OTHER SEDIMENT CONTROLS SHALL BE MAINTAINED PER THE REQUIREMENTS OF THE PERMIT AND IT SHALL BE REMOVED AS REQUIRED BY THE PERMIT AT COMPLETION.

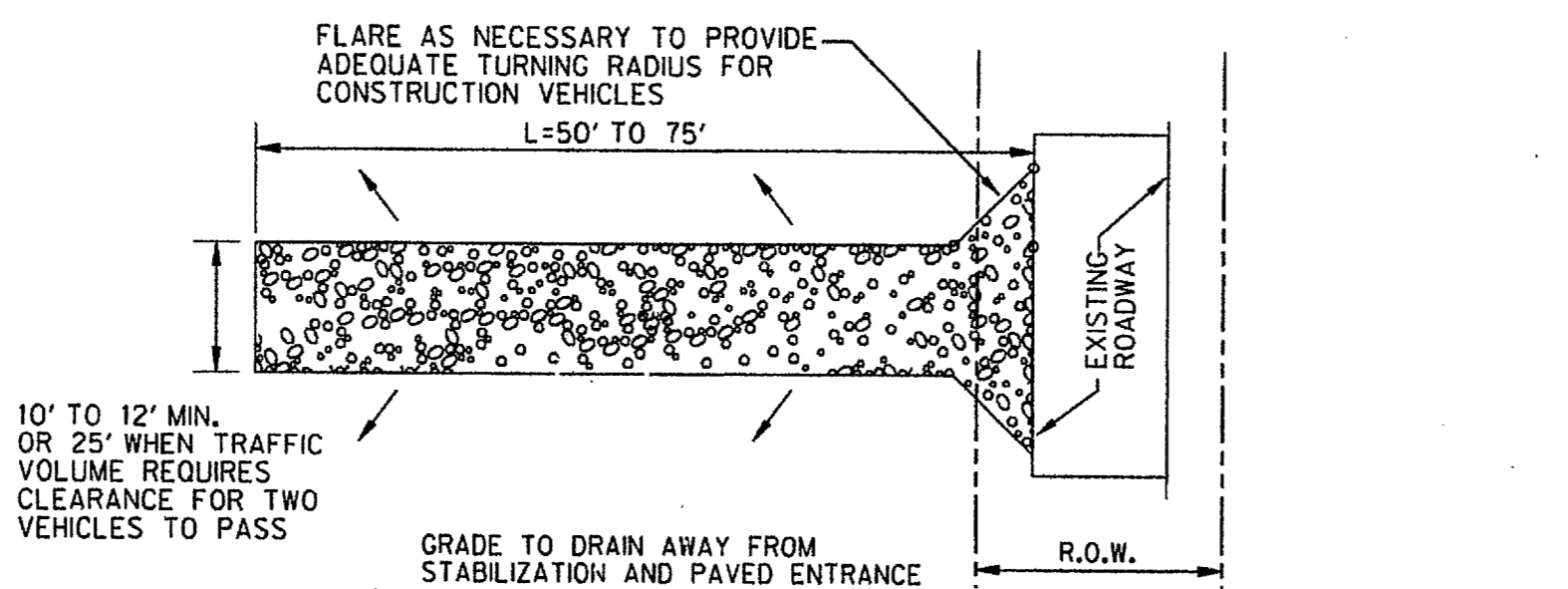
SILT FENCE DETAIL

N.T.S.



MINIMUM FILTER FABRIC SPECS.

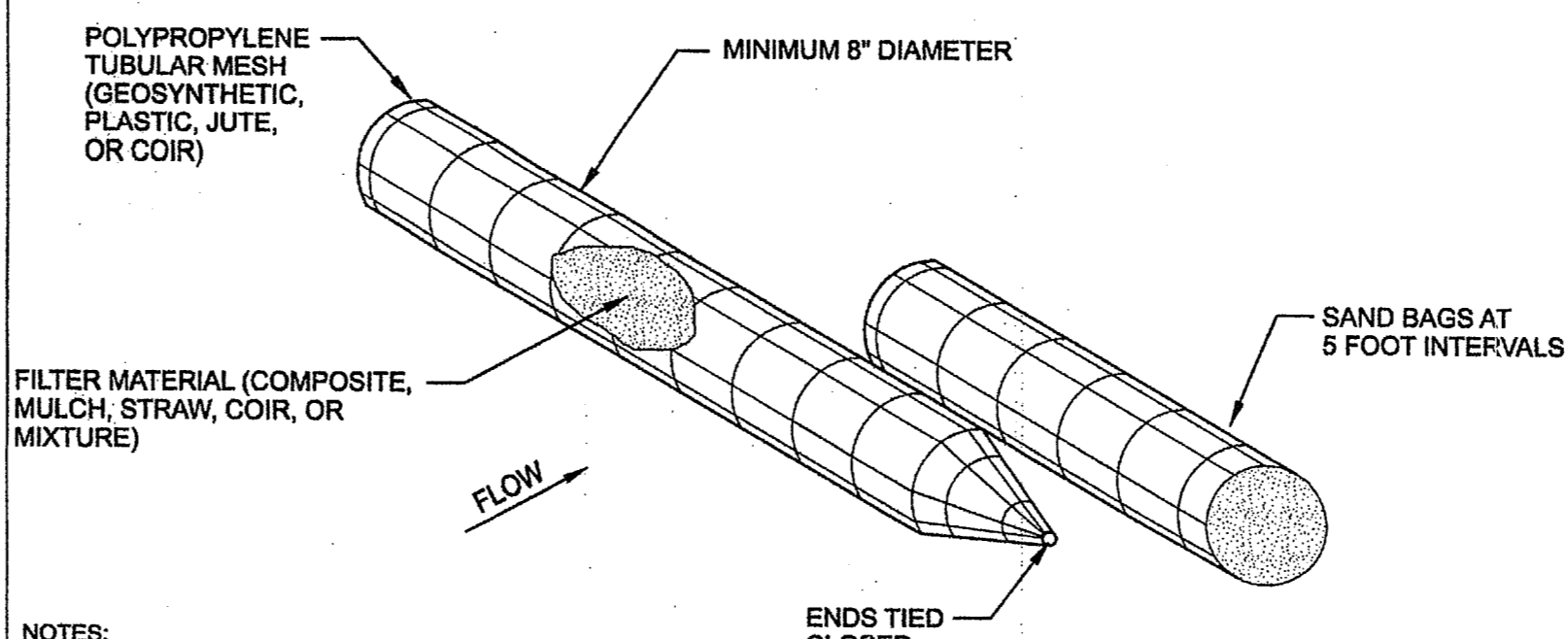
GRAB TENSILE STRENGTH	205 LBS. (ASTM D1682)
ELONGATION FAILURE	60% (ASTM D1682)
MULLEN BURST STRENGTH	255 LBS. (ASTM D3768)
PUNCTURE STRENGTH	80 LBS. (ASTM D751) (MODIFIED)
EQUIVALENT OPENING SIZE (EOS)	SIZE 40-80. (US STD. SIEVE) (CW-02215)



PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

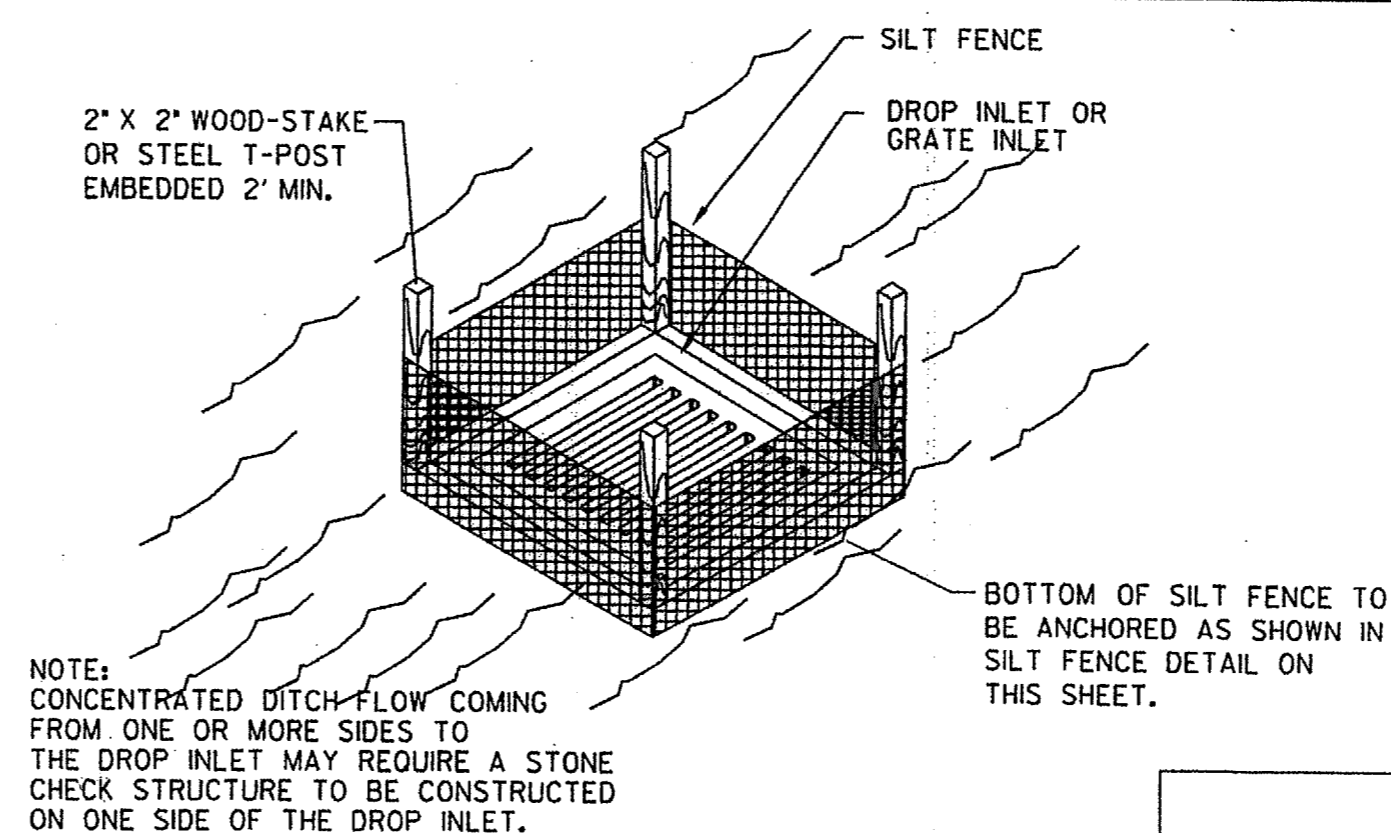


NOTES:

1. CONTRACTOR SHALL MAINTAIN THE POLYPROPYLENE MESH TUBE IN A FUNCTIONAL CONDITION AT ALL TIMES.
2. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED WHEN THEY REACH 1/3 OF THE HEIGHT OF THE MESH.
3. POLYPROPYLENE MESH TUBE SHALL FILTER ALL WATER FLOWING THROUGH CURB BREAK INTO FLUMES.

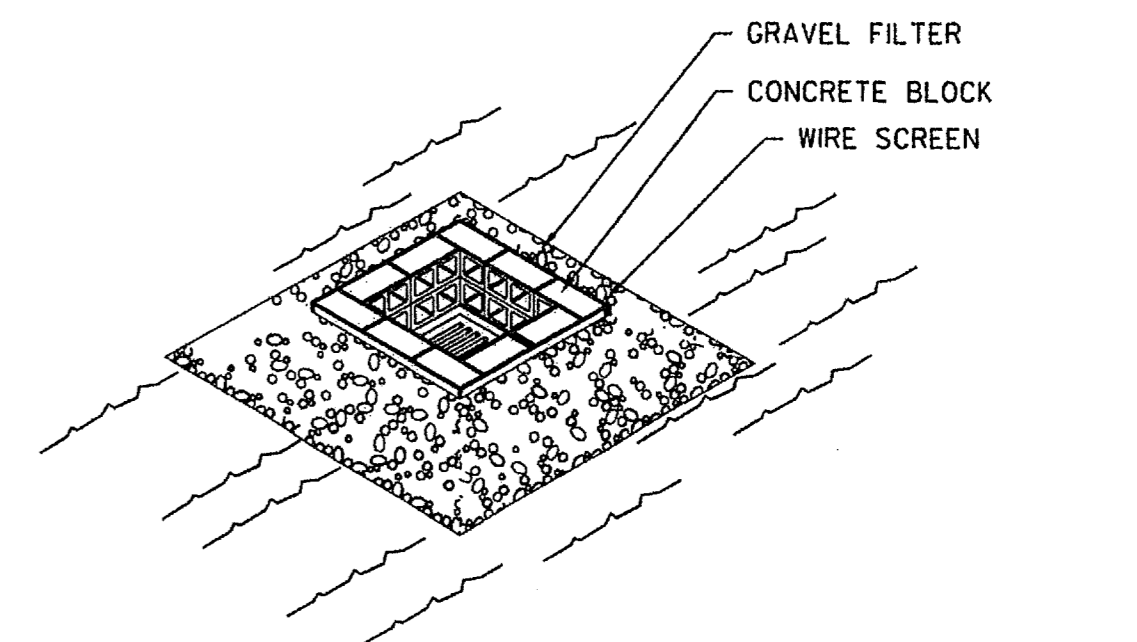
POLYPROPYLENE MESH TUBE WATTLING DEVICE

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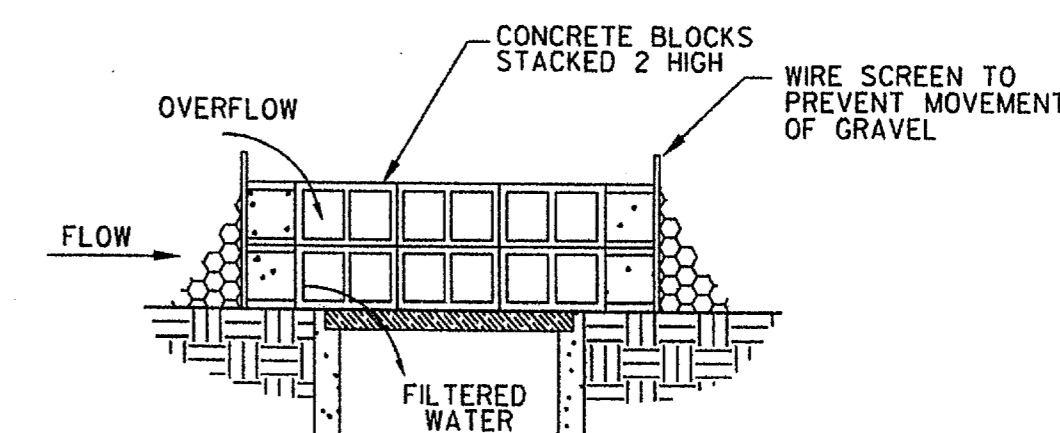
SILT FENCE DROP INLET PROTECTION

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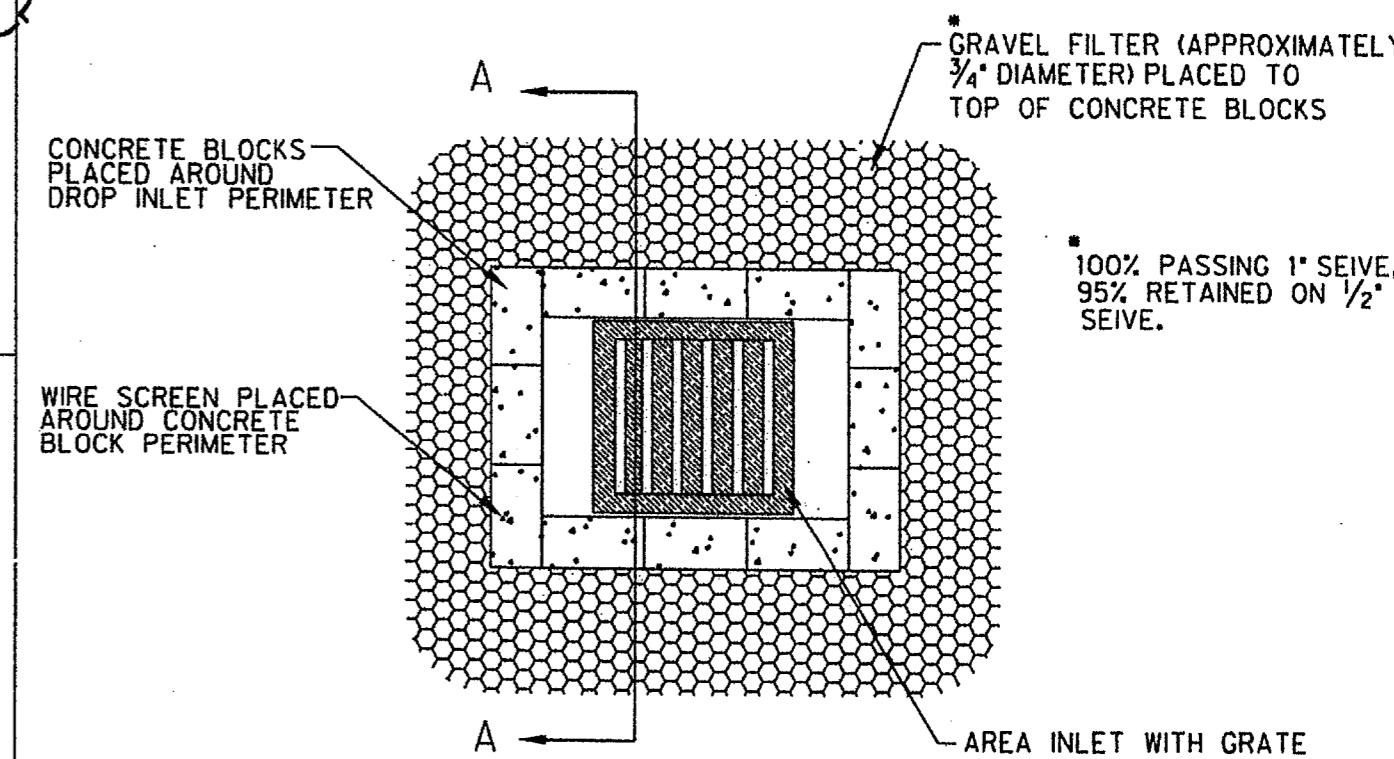


ISOMETRIC VIEW

N.T.S.



SECTION AA

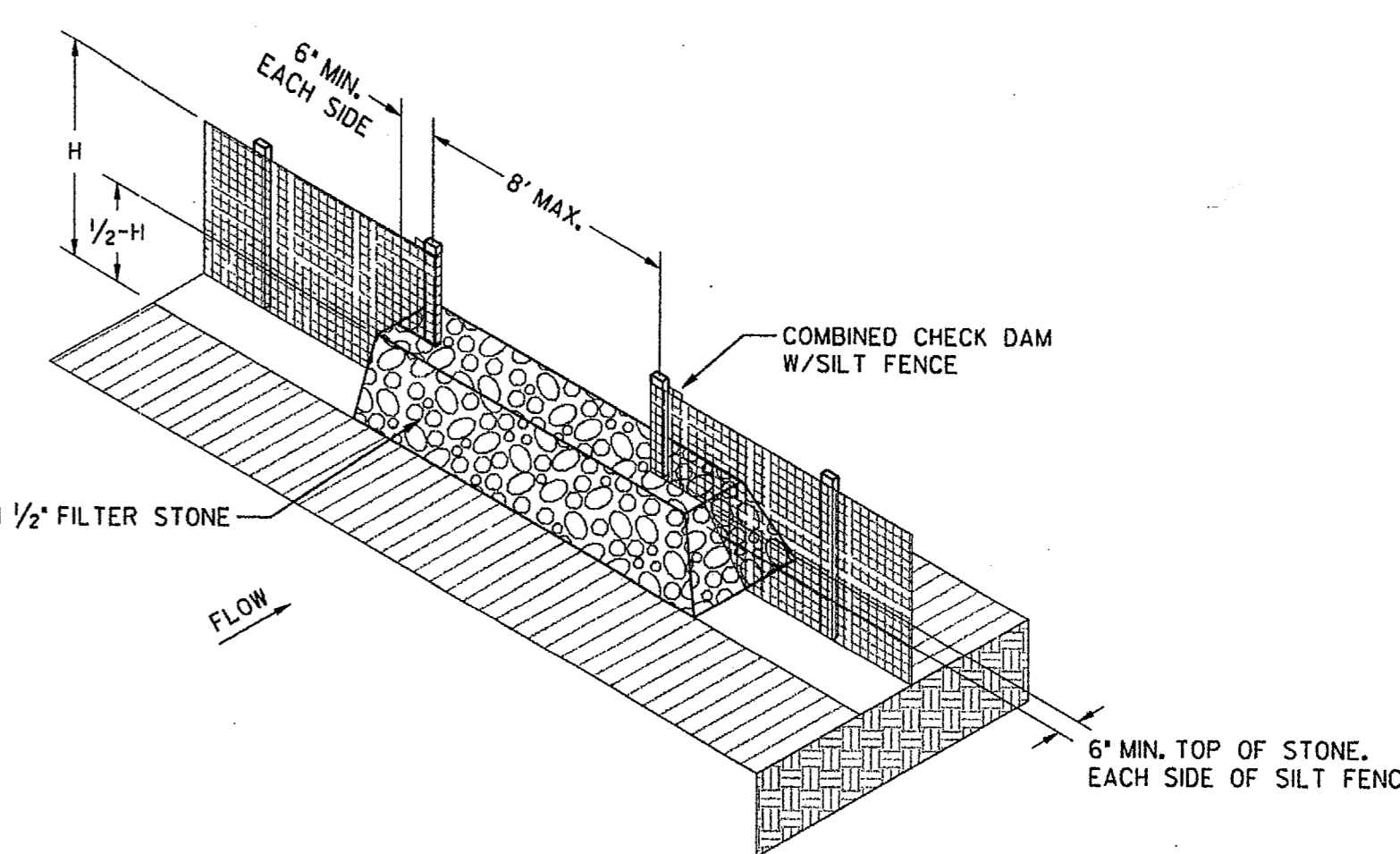


CONCRETE BLOCK FILTER

NOTE: GRAVEL FILTERS MAY BE USED ON PAVEMENT OR BARE GROUND

GRATE INLET FILTER DETAIL

N.T.S.



STONE OVERFLOW STRUCTURE

N.T.S.

DASEKE RESIDENCE
5656 CELESTIAL ROAD
CITY OF ADDISON, TEXAS

HALFF
1201 NORTH BOWSER ROAD
DALLAS, TEXAS 75243
TEL: (214) 346-2020
FAX: (214) 346-2020
TYPE: 04-12

Revision No.	Date	Description
1	09-27-2010	Rev. for Permit and Construction



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