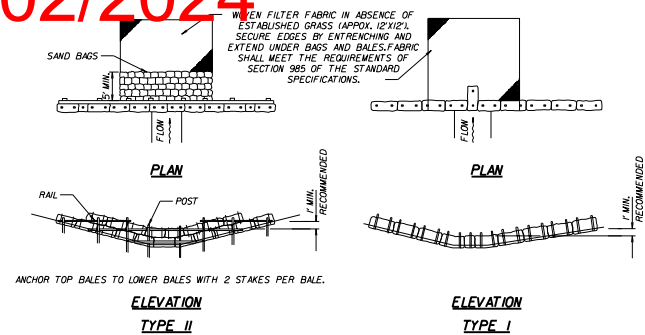


PZ23-12000009
10/02/2024



The diagram illustrates the construction and installation of a Type IV silt fence. It consists of two main views: an elevation view on the left and a section view on the right.

ELEVATION View:

- POST OPTIONS:**
 - SOFTWOOD 2½" DIA.
 - SOFTWOOD 2"x4"
 - HARDWOOD 1½" x 1½"
 - STEEL 1½" 106/71
- POST POSITION:** Indicated as 10' MAX. from the fence line.
- VERTICAL DIMENSIONS:**
 - Overall height: 5' OR MORE
 - Top section height: 3'±
 - Bottom section height: 1'±
 - Bottom section width: 6" MAX.
- FILTER FABRIC:** Shown in conformance with SEC. 985 F.D.O.T. SPECJ.
- OR TYPE A FENCE FABRIC:** (INDEX NO. 491 & SEC. 966 F.D.O.T. SPECJ)

SECTION View:

- OPTIONAL POST POSITION:** Shown at a 20° angle from the vertical.
- PRINCIPLE POST POSITION:** Indicated as 1CANTED T 20° TOWARD FLOW.
- POLYURETHANE OR TYPE A FENCE FABRIC:** Shown as the main filter material.
- FILTER FABRIC:** Shown as the bottom layer.
- SILT FLOW:** Indicated by an arrow pointing towards the fence.

TYPE IV SILT FENCE

TYPE IV SILT FENCE

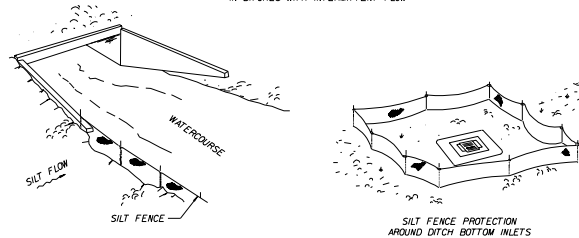


Diagram illustrating the construction of a slope with a ditch, showing the slope length, toe of slope, and the location of bale barriers.

SECTION A-A

NOTE: WHERE THE SLOPE LENGTH EXCEEDS 25 FEET, CONSTRUCT ONE ROW OF BALE BARRIERS AT OX LONGITUDINAL GRADE RUNWAY UP THE SLOPE. CONSTRUCT TWO ROWS OF BALE BARRIERS WHERE THE SLOPE LENGTH EXCEEDS 50 FEET.

BARRIERS FOR FILL SLOPES



1. TYPE III SILT FENCE BE USED AT MOST LOCATIONS, WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1.
2. TYPE N SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 2:1 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. TYPE N SILT FENCE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL Lanes OR OFF THE RIGHT OF WAY.
3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
4. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON OR LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.
5. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, I/F

1. NOTES FOR BALED HAY OR STRAW BARRIERS
 1. TYPE 1 AND II BARRIERS SHOULD BE SPACED IN ACCORDANCE WITH CHART 1. HAY BALES SHALL BE UTILIZED AT ALL DRAINAGE INLETS UNTIL INSTALLATION OF ROAD ROCK.
 2. HAY BALES SHALL BE TRENCED 3 TO 4' AND ANCHORED WITH 2" X 4' OR 1" X 4" WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
 3. RAILS AND POSTS SHALL BE 2" X 4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY ENGINEER.
 4. ADJUNCT BALES SHALL BE BUTTED TIGHTLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.
 5. WHERE USED IN CONJUNCTION WITH SILT FENCE, HAY BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.
 6. BALES TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR BALED HAY OR STRAW, E.A. THE UNIT PRICE SHALL INCLUDE THE COST OF FILTER FABRIC FOR TYPE 1 AND II BARRIERS. ROCK BAGS SHALL BE PAID FOR UNDER THE CONTRACT PRICE FOR SAVANNAH CO. ROCK BAGS TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR ROCK BAGS, E.A.



TYPE II

- Vinyl Sheathed E&B Steel Cable (5000 Lbs Breaking Strength) With Galvanized Connectors (1500lbs Disconnect)
- Slotted PVC Connector Pipe (Metal-Cable Reinforced)
- Stress Plate
- 18" ID Nylon Reinforced PVC Fabric (1300 psi tensile)
- 1/2" x 1/2" Slits (Edge Panel for Depth 3' or Less)
D=1/2" Slit (Additional Panel for Depth 3' to 5')
Cutting To Reach bottom Up To Depth of 10 Feet
Two 1/2" Panels To Be Used for Depths Greater Than 10 Feet Unless Specialized Cables Are Specified.
Called for In The Plans Or As Determined By The Engineer.
- 1/2" Galvanized Chain
- Closed Cell Solid Plastic Foam Pustalon (#-200 Exports / 120 lbs Per Ft Buoyancy)
- 1/2" Polysilene Rigid (1000 Lbs Breaking Strength)
- 18" ID Nylon Reinforced PVC Fabric (1300 psi tensile) With Lacing Elements

TYPE I

- Closed Cell Solid Plastic Foam Pustalon (#-200 Exports / 120 lbs Per Ft Buoyancy)
- 1/2" Polysilene Rigid (1000 Lbs Breaking Strength)
- 1/2" Galvanized Chain
- 18" ID Nylon Reinforced PVC Fabric (1300 psi tensile) With Lacing Elements

STAKED TURBIDITY BARRIER

- Steel Plates (2' x 1' x .25" Min.) On Wood Skirt (.33" Lx6"x1/8" Min.)
- 18" ID Nylon reinforced PVC Fabric (1300 psi tensile)
- 6' Max
- 1/2" ID Nylon

FLOATING TURBIDITY BARRIERS

LEGEND

- Pile Locations
- ▨ Dredge Or Fill Area
- - - Moving Bay Indicator
- ⊙ Anchor
- Barrier Movement Due To Current Action

Note:

- Turbidity barriers are to be used in alignment bodies of water regardless of water depth.
- Number and spacing of anchors depend on current velocities.
- Deployment of barrier around pile locations may vary to accommodate construction operations.
- Miscellaneous may require separating barrier during construction operations.
- For additional information see Section 104 of the Standard Specifications.

GENERAL NOTES

- Floating turbidity barriers are to be sold under the contract unit price for Floating Turbidity Barrier, LF.
- Staked turbidity barriers are to be sold under the contract unit price for Staked Turbidity Barrier, LF.

TURBIDITY BARRIER APPLICATIONS

2010 FOOT Design Standards

TURBIDITY BARRIERS

DATE: 07/05/07 1 of 1



Digitally signed by Bealinda M Pell
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dnQualifier=A01410C0000018E2E
86C2580002F48A, cn=Bealinda M
Pell
Date: 2024.08.20 16:08:11 -04'00'

<h2 style="margin: 0;">SOUTHWEST HAMMOCKS</h2> <h3 style="margin: 0;">ZYSCOVICH INC.D/B/A / ZYSCOVICH ARCHITECTS</h3>					
WINNINGHAM & FRADLEY, INC. ENGINEERS • PLANNERS • SURVEYORS <small>N.E. 44th STREET, OAKLAND PARK, FL 33334 954-771-7440 FAX: 954-771-0208 www.winfram.com</small>					
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