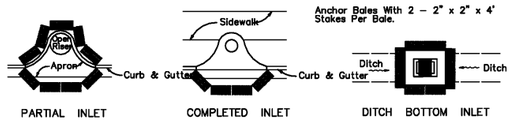
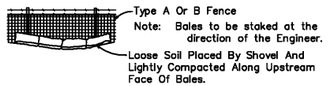
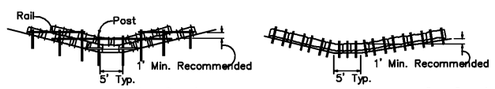


PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



BALES BACKED BY FENCE



Anchor Lower Bales With 2 – 2" x 2" x 4' Stakes Per Bale
Anchor Top Bales To Lower Bales With 2 – 2" x 2" x 4' Stakes Per Bale.
ELEVATION TYPE II

Anchor Bales With 2 – 2" x 2" x 4' Stakes Per Bale
ELEVATION TYPE I

Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1, Sheet 1 of 3, Index No. 102, FDOT standard specifications.

BARRIER FOR UNPAVED DITCHES

Type III Silt Fence Protection Around Ditch Bottom Inlets.

Note: Spacing for Type III Fence to be in accordance with Chart 1, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3.

Type III Silt Fence

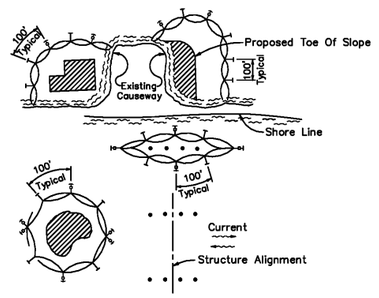
Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS

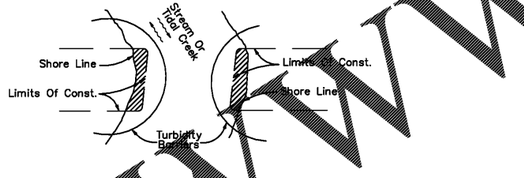
BALED HAY OR STRAW BARRIERS AND SILT FENCES

CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT EROSION (WIND/WATER, ETC.) OF SOILS FROM SITE TO ON AND OFF SITE DRAINAGE SYSTEMS

TURBIDITY BARRIERS



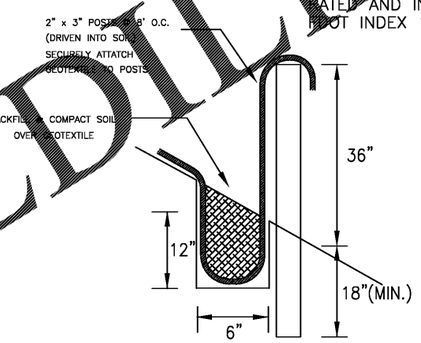
NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the FDOT Standard Specifications.



NOTE:
TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STORMWATER TURBIDITY BARRIERS

MATERIAL SHALL BE UV RATED AND IN ACC. W/ FDOT INDEX 102



SILT FENCE DETAIL

NOTES
1. CONTRACTOR TO REMOVE SEDIMENT WHEN DEPOSIT REACHES 1/2 THE HEIGHT OF SILT FENCE.
2. GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS, WITH A 6" OVERLAP.
3. IT IS THE CONTRACTORS RESPONCIBILITY TO MAINTAIN THE INTEGRITY OF THE SILT FENCES.
4. SILT FENCES SHALL REMAIN IN PLACE UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

APPROVED EQUAL–FENCE MATERIALS AND CONST PER FDOT INDEX 102

EROSION CONTROL SPECIFICATIONS:

- CONTRACTOR SHALL ESTABLISH AND MAINTAIN A SILT FENCE AROUND ENTIRE PERIMETER OF PROJECT UNTIL ALL CONSTRUCTION IS COMPLETE.
- MURAFI FILTER CLOTH OR EQUAL SHALL BE INSTALLED AND MAINTAINED ON ALL CATCH BASINS.
- NO STORM WATER DISCHARGE FROM THE SITE SHALL OCCUR THROUGH THE CONTROL STRUCTURE UNTIL FILTER CLOTH IS ESTABLISHED ON CATCH BASINS AND A SILT BOOM IS ESTABLISHED AT THE COMPLETED CONTROL STRUCTURE.
- THE CONTRACTOR SHALL MAINTAIN ON–SITE OR MAKE IMMEDIATELY AVAILABLE A WATER TRUCK OR ABILITY TO WET DOWN AREAS SHOULD AIR CAUSED EROSION OCCUR.
- UPON COMPLETION OF FINAL GRADING IN ANY GIVEN AREA SOD AND OR SEED AND MULCH SHALL BE ESTABLISHED AND MAINTAINED.
- SHOULD CONSTRUCTION EXTEND BEYOND THE FDEP/STATE RATIFICATION OF THE PHASE 2 NPDES PROGRAM THE CONTRACTOR SHALL IMMEDIATELY DEVELOP AND FILE A FORMAL POLLUTION PREVENTION PROGRAM WITH THE DEP ,FDOT AND THE APPLICABLE AGENCIES.
- CONTRACTOR SHALL PREVENT ALL SOILS THAT COULD ENTER THE ROADWAYS AND/OR SURROUNDING PROPERTIES IMMEDIATELY.
- CONTRACTOR SHALL DILIGENTLY REMOVE ANY MATERIAL OR DEBRIS, WHICH IS DISCHARGED OFFSITE DURING CONSTRUCTION.
- CONTRACTOR SHALL BE LIMITED TO ONE INGRESS/EGRESS DURING CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE AN APPROVED TRACKING PAD AT THAT LOCATION.

VERTICAL DATUM
ALL ELEVATIONS SHOWN ARE IN NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)
CONVERSION FACTOR: NGVD29 - 1.512 = NAVD88

IT'S THE LAW !
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SUNSHINE 811

Mark Williams
P.E. 34944
Oct 26, 2017

KESHAVARZ & ASSOCIATES
Civil Engineers • Land Surveyors
711 North Dixie Highway, Suite
West Palm Beach, Florida
Tel: (561) 689-8600
Certificate of Authorization No. 4897

No.	Date	Description

GRADING, PAVING AND DRAINAGE DETAILS

DATE 10-26-17 | DESIGNED MW | CHECKED MW
SCALE NONE | CAD AG | APPROVED MK

BENJAMIN SCHOOL STEM BUILDING
PALM BEACH COUNTY, FLORIDA

PROJECT No. 16-1147

SHEET No. C06

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PLOT DATE: Oct 26, 2017 TIME: 3:02pm BY: agreen
DRAWING: P:\16-1147 Benjamin School STEM Bldg\KA DWG\C06_161147_DETA-CPD.dwg LAYOUT: C06