1040000 PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER **POLLUTION**

COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Catherine Earp (850) 414-4171



Response: Comment was addressed prior to industry review. No changes.

104-1 Description.

 Provide erosion control measures on the project and in areas outside the right-of-way where work is accomplished in conjunction with the project, so as to prevent erosion, pollution of water, detrimental effects to public or private property adjacent to the project right-of-way and damage to work on the project. Construct Install and maintain temporary erosi devices or, where practical, construct and maintain permanent crosion control features devices as shown in the Plans or as may be directed by the Engineer.



Earp, Catherine Suggest this languag throughout. ¶ st-this-language-match-the-language-changes

contaminants, pollutants or hazardous substances from migrating-off-the-construction-site-or-from-materials-and equipment-into-any-surface-waters, wetlands, groundwateror-property-beyond-the-project-limits"

Response: Comment was addressed prior to industry review. No changes.

104-2 General.¶

- → Coordinate the installation of temporary erosion control features devices with the construction of the permanent erosion control features devices to the extent neces economical, effective, and continuous control of erosion and water pollution throughout the life-
- Due to unanticipated conditions, the Engineer may direct the use of control features or methods other than those included in the original Contract. In such event, the Department will pay for this additional work as unforeseeable work.

authorized by permit, frequently ford-live streams with construction equipment. Wherever an appreciable number of stream crossings are necessary at any one location, use a temporary

Earp, Catherine we-monitor-this?-Groundwater-wells?¶

Response: This comment was addressed prior to final industry review version. No Change.

104-3 Control of Contractor's Operations Which May Result in Water Pollution. Earp, Catherine Prevent contaminants, pollutants on or hazardous substances, as defined in Section 376.301, Florida Statutes, from migrating from off the construction site or from materials and equipment into any surface waters, wetlands, groundwater or property beyond the project limits. Conduct and schedule operations to avoid and minimize pollution or siltation from the project to surface waters, wetlands, groundwater, or property beyond the project limits of streams, canals, Earp, Catherine Formatted: Highlight Earp, Catherine Formatted: Highlight lakes, reservoirs, and other water impoundments with fuels, oils, bitumens, calcium chloride, or other harmful materials. Also, conduct and schedule operations to avoid or otherwise minimize pollution or siltation of such water impoundments, and to avoid interference with movement of Earp, Catherine Either-remove-this-or-add-it-into-the-other-phrases.-¶ migratory fish. Do not dump any residue from dust collectors or washers into any live stream. Restrict construction operations in rivers, streams, lakes, tidal waters, reservoirs, canals, and other water impoundments to those areas where it is necessary to perform filling or Earp, Catherine Formatted: Highlight excavation to accomplish the work shown in the Plans and to those areas which must be entered to construct temporary or permanent structures. As soon as conditions permit, promptly clear Earp, Catherine Formatted: Highlight rivers, streams, and impoundments of all obstructions placed therein or caused by construction → Do not drive in, operate, or place construction equipment or materials in surface waters, wetlands, groundwater, or property beyond the project limits without permitted authority for permanent or temporary impacts. Water crossings or other wetland impacts must be authorized by permit. Obstructing or impeding the water flow or movement of the water or wildlife must be

Response: These comments were addressed prior to final industry review version.

- Where pumps are used to remove highly turbid waters from enclosed construction areas such as cofferdams or forms, treat the water by one or more of the following methods prior to discharge into State waters from the project: pumping into grassed swales or appropriate upland vegetated areas or constructed sediment basins, or confined by an appropriate enclosure such as turbidity barriers when other methods are not considered appropriate practical. Do not discharge wetlands, groundwater, or beyond the project limits, water that is turbid, contaminated, water that does not meet State water quality standards, or water that does not meet the criteria specified in any applicable permit to any surface waters, wetlands, groundwater, or property beyond the project limits. ¶
- → Remove sediment deposited during construction from all existing or newly constructed stormwater·facilities·prior·to·Final·Acceptance.·Ensure·that·all·stormwater·conveyances·and· $\underline{stormwater} \cdot \underline{facilities} \cdot \underline{meet} \cdot \underline{final} \cdot \underline{grade} \cdot \underline{requirements} \cdot \underline{at} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot \underline{Remove} \cdot \underline{silt} \cdot \underline{or} \cdot \underline{regrade} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot \underline{Remove} \cdot \underline{silt} \cdot \underline{or} \cdot \underline{regrade} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot \underline{Remove} \cdot \underline{silt} \cdot \underline{or} \cdot \underline{regrade} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot \underline{Remove} \cdot \underline{silt} \cdot \underline{or} \cdot \underline{regrade} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot \underline{Remove} \cdot \underline{silt} \cdot \underline{or} \cdot \underline{regrade} \cdot \underline{Final} \cdot \underline{Acceptance} \cdot$ $\underline{as\cdot necessary\cdot to\cdot comply\cdot with\cdot the\cdot lines\cdot and\cdot grades\cdot shown\cdot in\cdot the\cdot Plans.} \P$
- → Do not disturb enter onto lands or waters outside the limits of construction as staked, except as authorized by the Engineer. Do not allow water that does not meet state water quality standards or does not meet the permitted criteria to exit the project limits.
- Obtain the Engineer's approval for the location of and method of operation in borrow pits, material pits, and disposal areas furnished for waste material from the project (other than commercially operated sources) such that erosion during and after completion of the work willnot result in probability of detrimental siltation or water pollution.



If-this-refers-to-turbidity-(NTUs)-then-we-should-specify. Or



॥ lf-this-refers-to-turbidity-(NTUs)-then-we-should-specify.-Or-

have-the-Contractor-refer-to-the-permit-standards.¶

Response: These comments were addressed prior to final industry review version. No Change.

104-5 Preconstruction Requirements.

- Prior to the Preconstruction Conference, submit to the Department an Erosion and Sediment Control Plan meeting the requirements or special conditions of all permits authorizing project construction. If no permits are required or the approved permits do not contain specialconditions or specifically address erosion and water pollution, the project's Erosion and Sediment Control Plan will be governed by 7-1.1, 7-2.2, 7-8.1, 7-8.2, and Section 104.
- When a DEP generic Generic Permit for Stormwater Discharge from Large and Small Construction Activities (NPDES?) permit is issued, the Contractor's Erosion and Sediment Control Plan (E&SC Plan) shall be prepared to accompany the Department's Stormwater Pollution Prevention Plan (SWPPP) that is part of the issues NPDES permit (?). Ensure the E&SC Plan Erosion and Sediment Control Plan includes procedures to control off-site tracking of soil by vehicles and construction equipment and a procedure for cleanup and reporting of nonstorm water discharges, such as contaminated groundwater or accidental spills. Do not begin any soil disturbing activities until before receiving the Engineer's written approval Dep

Earp, Catherine

"in-accordance-with_"2-¶
How-do-the-contractors-Erosion-and-Sediment-Control-compare-to-the-Dept.-SWPPP?-Should-they-be-similar,different?-Does-it-matter?-¶ Is-the-purpose-of-this-sentence-to-say-that-the-ESC-plan should-match-the-SWPPP-that-was-part-of-the-NPDES-

Response: This comment was addressed prior to final industry review version. No Change. **********************************

approval of the Contractor's E&SC Plan Erosion and Sediment Control Plan, including the required signed certification statements have been submitted to the Department.

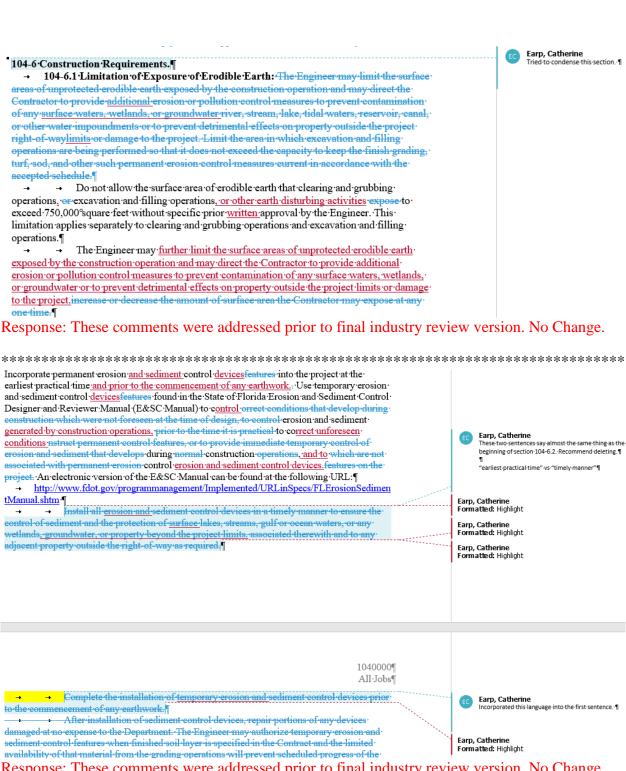
- Failure to sign and submit any required documents or certification statements will be considered a default of the Contract. Any soil disturbing activities performed without the required signed documents or certification statements may be considered a violation of the DEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities.
- → When the a:SWPPP is required, prepare the a site-specific E&SC Plan Ere Sediment Control Plan in accordance with the planned sequence of operations and present it in a format acceptable to the Department. The E&SC Plan Erosion and Sediment Control Plan shall describe, but not be limited to, the following items or activities:
- → 1. For each phase of construction operations or activities, supply the following

Earp, Catherine
Can-we-just-call-this-the-NPDES-permit?¶



Should-this-section-be-moved-above-where-we-introduce the-SWPPP-in-the-previous-paragraph?-¶ Also for brevity, consider removing the numbered list and referring to the ESC-Manual since it's also listed there.

Response: These comments were addressed prior to final industry review version. No Change.



Response: These comments were addressed prior to final industry review version. No Change.

*********************************** → 104-6.4 Details for Temporary Erosion and Sediment Control Devices Features: ¶ → 104-6.4.1 General: Use temporary erosion, sediment and water pollution control. devices features found in the E&SC Manual. These devices features consist of, but are not limited

to, temporary sodturf, rolled erosion control products, sediment containment systems, runoffcontrol structures, sediment barriers, inlet protection systems, silt fences, turbidity barriers, and chemical treatment. For design details for some of these devices terms, refer to the Standard Plans and E&SC Manual. Perform installation, inspection, maintenance, and removal of all temporary erosion and sediment control devices in accordance with applicable permits, manufacturer's directions, and the Contract Documents.

Earp, Catherine -don't-see-these-design-details-in-the-standard-plans.-¶

Response: This comment was addressed prior to final industry review version. No Change.

areas where the floating barriers are installed.

→ 104-6.4.8 Inlet Protection System: Furnish and install inlet protection systems as shown in the Contract Documents Plans, the Standard Plans and the E&SC Manual.



Earp, Catherine
Are-these-defined-in-985-or-in-the-ESC-Manual?-Why-does-this-section-not-refer-to-the-Contract-documents-like-the-

→ 104-6.4.9 Rolled Erosion Control Products (RECPs):¶

Response: This comment was addressed prior to final industry review version. No Change. *******************************

104-7 Maintenance of Erosion and Sediment Control Devices Features.

- → 104-7.1 General: Provide routine maintenance of permanent and temporary erosion and sediment control devices features, at no expense to the Department, until the project is complete and accepted. If reconstruction or replacement of such erosion and sediment control devices features is necessary due to the Contractor's negligence or carelessness or, in the case of temporary erosion and sediment control devices features, improper installation, lack of maintenance, excessive wear, design-life exceedance or failure by the Contractor to install permanent erosion control devices features as scheduled, the Contractor shall repair or replace such erosion control devices features at no expense to the Department. If reconstruction of permanent or temporary erosion and sediment control devices features is necessary due to factors. beyond the control of the Contractor, the Department will pay for replacement under the appropriate Contract pay item or items.
- → Inspect all erosion and sediment control devices features at least once every seven calendar days and within 24 hours of the end of a storm event of that is 0.50 inches or greater. Maintain all erosion and sediment control devices features as required in the Stormwater Pollution Prevention Plan, the Contractor's Erosion and Sediment Control Plan & SC Plan and

1040000¶ All Jobs¶

if applicable, as specified in the State of Florida Department of Environmental Protection Generic Permit for Stormwater Discharge from Large and Small Construction Activities.



Response: This comment was addressed prior to final industry review version. No Change. *******************************

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Comments: (12-11-18, Industry)

Page 5 first sentence: Change from: The Engineer will review and approve the Contractor's and

Sediment Erosion Control Plan. Change to: The Engineer will review and approve the

Contractor's Erosion and Sediment Control Plan.

Response: Correction made.

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Comments: (11-29-18, Industry)

After quick review, my biggest concern is this clause being deleted in 104-2. I was unable to find where they inserted it, or something similar in another location:

Due to unanticipated conditions, the Engineer may direct the use of control features or methods other than those included in the original Contract. In such event, the Department will pay for this additional work as unforeseeable work.

At some point on every project and erosion control method not included in the contract is required; without this language a CEI may hesitate to direct something outside the box, and only think to use the devices included in the contract.

Response: Unanticipated conditions are addressed in Division 1 of the specifications.

CEIs are not responsible for determining erosion and sediment control BMPs or methodology. The contractor is responsible for ensuring permit (ERP and NPDES) and Section 104 compliance. The use of additional BMPs must be approved by the Engineer.
