(This Section is not required for Projects classed as "No Risk" per Advisory GE12-01(A), i.e., Projects with no ground disturbance. It is required for Projects classed as "Low Risk" and "High Risk" per Advisory GE12-01(A)).

SECTION 00280 - EROSION AND SEDIMENT CONTROL

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [orange text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all orange text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 00280 of the Standard Specifications modified as follows:

00280.00 Scope - Replace the paragraph that begins "This Work also consists of providing temporary …" with the following paragraph:

This Work also consists of providing temporary erosion and sediment control (ESC) measures and furnishing, installing, moving, operating, maintaining, inspecting, and removing ESC throughout the Project area according to the Standard Drawings, the erosion and sediment control plan (ESCP), the Specifications, or as directed, until the site is permanently stabilized. Included also is the monitoring of weather, of stormwater and receiving waters, the reporting of monitoring observations, the reporting of corrective actions (when necessary) and the updates and revisions of the ESCP, including ESCP cover sheet, necessary to keep it representative of current site conditions and compliant with the 1200-CA permit if applicable.

Delete the paragraph that begins "When contaminants, pollutants or hazardous materials…".

> ***(Use one of the following two options as instructed on Projects that involve one acre of ground disturbance or more. Delete the option that does not apply. Check with the Local Agency Liaison, the Erosion Control Program Leader, or the Region Environmental Coordinator.)***
>
> ***[Option 1 - Use the following paragraph when ODOT's NPDES 1200-CA Permit is applicable to the Project.]***

Add the following paragraph to the end of this subsection:

The Agency's NPDES 1200-CA permit is applicable to the Project.

> ***[Option 2 - Use the following paragraph when ODOT's NPDES 1200-CA Permit is NOT applicable to the Project and the Contractor is required to use the Local Agency's NPDES 1200 CA Permit or obtain an NPDES 1200-C Permit.]***

Add the following paragraph to the end of this subsection:

The Agency's NPDES 1200-CA permit is not applicable to the Project. Before beginning Work on the Project, obtain a NPDES 1200-CA permit from the applicable local jurisdiction or a NPDES 1200-C permit that is applicable to the Project.

(Use the following for Projects that disturb less than one acre.)

Add the following paragraph to the end of this subsection:

The Agency's NPDES 1200-CA permit is not applicable to this Project. Comply with all applicable conditions of this Section.

00280.04 Erosion and Sediment Control Plan on Agency Controlled Lands - Replace the bullet that begins "Information required under 1200-CA…" with the following bullet:

- Information required under 1200-CA permit, if applicable.

(Use the following three paragraphs when ODOT's NPDES 1200 CA Permit is applicable to the Project.)

Add the following paragraphs to the end of this subsection:

Fill in required information listed on the ESCP cover sheet prior to beginning of construction and submit revised cover sheet to Engineer 10 ~~d~~Days before the preconstruction meeting. Monitor weather, stormwater runoff, and receiving waters, and document monitoring observations. Immediately upon discovery, notify Engineer if a 1200-CA permit non-compliance occurs. Provide updates and revisions of the ESCP, including ESCP cover sheet, necessary to keep it representative of current site conditions and compliant with the 1200-CA permit.

When contaminants, pollutants or hazardous materials are discovered in the Project location in soils or groundwater comply with 00290.20(f) and, provide an environmental management plan (EMP) as required by the 1200-CA permit if applicable.

(Use the following subsection .06 when the NPDES 1200-CA permit is NOT applicable to the Project.)

00280.06 Erosion and Sediment Control Manager - Delete this subsection.

(Use the following subsection .14(e) when Type A matting is applied hydraulically or is a rolled product.)

00280.14(e) Slope and Channel Liner Matting - Replace the bullet that begins "Type A – Slope…" with the following bullets:

- **Type A: Hydraulically-Applied** – Hydraulically-applied material composed of long strand, thermally processed wood fibers, crimped, interlocking fibers and performance enhancing additives meeting the following criteria:
  - Flexural rigidity when wet, and equal to or greater than 5 oz-yd.

- Permissible shear stress 1.0 lbs/sqft or greater
- Thermally processed wood fibers – 73%
- Crosslinked hydro-colloid tackifiers and activators – 10% + 1%
- Crimped, interlocking fibers - 5% +1%
- Moisture content – 12% + 3%
- Fully Biodegradable
- A cure time of less than 2 hours during wet weather.

(Use the following bullet when Type A matting is a rolled product.)

- **Type A: Rolled** – Rolled slope protection mat, fully biodegradable, for Clay Soil Slopes 1V:3H or flatter.

(Use the following subsection .15(d) when temporary slope drains are used.)

00280.15(d) Temporary Slope Drains – Replace this subsection, except subsection number and title, with the following:

Furnish either plastic pipe and flared end sections meeting the requirements of Section 02415 or metal pipe and flared end sections meeting the requirements of Section 02420.

(Use the following subsection .15(f)(1) when compost filter socks are required. Fill in the blank with the diameter of the filter sock. Obtain information form the Erosion Control Designer.)

00280.15(f)(1) Filter Sock Material - Add the following sentence to the end of this subsection:

Furnish filter sock Material with a diameter of ____ inches.

00280.16(k) Active Treatment System – Add the following sentence to the end of this subsection:

Obtain approval of the active treatment system from DEQ prior to use.

(Use the following subsection .30 on Projects when the ODOT 1200-CA is applicable.)

00280.30 Erosion and Sediment Control Manager –

Add the following bullet to the beginning of the bullet list under “The ESCM duties include:”

- Be present at the Project Site during all ground disturbing activities.

Replace the bullet that begins “Monitor rainfall, snow melt and runoff …” with the following bullet:

- Visually monitor rainfall, snow melt and runoff at the Project Site.

Replace the bullet that begins “Monitor water quality in receiving streams in …” with the following bullet:

- Visually monitor water quality in receiving streams in the vicinity of the Project Site.

Replace the bullet that begins “Monitor water in sediment traps receiving …” with the following bullet:

- Monitor the pH of the water in sediment traps receiving runoff from soils amended with cementitious material for acidity or alkalinity.

(Use the following bullet when Section 00294 is included on the Project.)

Add the following bullet to the end of the bullet list:

- Monitor locations identified in Section 00294 for compliance.

00280.41(f) Hauling Material – Replace this subsection, except for the subsection number and title, with the following:

Cover loads carrying soil or sediment which may generate dust. Haul saturated loads in water tight beds or drain saturated loads prior to leaving the Project Site.

00280.41(g) Underground Injection Controls (UIC) – Replace this subsection, except for the subsection number and title, with the following:

Do not allow storm water from work area to enter Underground Injection Control (UIC) inlets, UIC catch basins or UIC wells.

(Use the following subsection .48 on Projects that require emergency Materials. Obtain information from the Erosion Control Designer. Include in the Schedule of Items all emergency items listed in this subsection. The listed items do not need to be shown on the plans if they are for emergency use only and are not otherwise part of the Agency’s ESCP.)

00280.48 Emergency Materials - Add the following paragraphs after the paragraph that begins "Provide, stockpile, and protect...":

Provide and stockpile the following emergency Materials on the Project site:

Item	Quantity
.....	
.....	
.....	

When emergency materials are used, restock emergency materials within 48 hours of use.

00280.62 Inspecting and Monitoring – Delete the paragraph that begins “Inspect the Project Site…”.

00280.62(a) Inspection - Replace the paragraph that begins "Perform site inspection, complete…" with the following paragraph:

Inspect the Project Site and all ESC devices for Effective Function and potential erosion or sediment movement and complete all applicable parts of the ODOT Erosion Control Monitoring Form, and submit the form to the Agency as follows:

(Use the following subsection .62(b) when a rain gauge is required. Designer to insert the web address of the closest on-line rain gauge to the Project. Replace "XX.XXXXX" with the latitude and "XXX.XXXXX" with the longitude of nearest weather station, in 5 decimal place format in degrees (Example: Replace "XX.XXXXX" with "43.381159" and "XXX.XXXXX" with "124.23273").))

00280.62(b) Rainfall – Add the following to the end of this subsection:

The closest on-line rain gauge is located at:
forecast.weather.gov/MapClick.php?lat=XX.XXXX&lon=-XXX.XXXX&unit=0&lg=english&FcstType=graphical

00280.64(a) Corrective Action Timelines – Delete the bullet that begins “If completion of corrective action is not feasible…”

Delete the bullet that begins “Provide a schedule for clean-up and corrective actions…”

Delete the bullet that begins “Provide all corrective action documentation and photographs…”

(Use the following subsection .64(b) when ODOT’s NPDES 1200-CA permit is applicable to the Project.)

00280.64(b) Corrective Action Documentation – Add the following bullets to the beginning of the bullet list:

- If completion of corrective action is not feasible within 24 hours, document the reasons why the time line cannot be met.
- Provide a schedule for clean-up and corrective actions that restores Effective Functioning as soon as feasible. If schedule cannot be met document the reasons for the delay.
- Provide all corrective action documentation and photographs to Agency within 24 hours of completion of corrective actions.