SP00280 (Special Provisions for the 2024 Book) **(Bidding on or after: 02~~9~~-01-27~~6~~**
Last updated: 10~~06~~-26~~01~~-26
Requires SP01030 & SP03020
Requires SP02320 when sediment fence or geotextile is used.
Requires ~~SP02410,~~ SP02415, SP02420 when ~~pipe~~ temporary slope drains are~~is~~ used.
Requires SP02510 when Type 4 inlet protection is used.
Requires SP02630 when Type 2 inlet protection is used.*)*

(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 [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple 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 paragraphs and bullets:

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 NPDES 1200-CA, 1200-CN, OR 1200-C permit if applicable.

Conditions requiring NPDES 1200 permits are as follows:

- Projects with one acre of ground disturbance or more on Agency owned land are regulated under the Agency's 1200-CA permit.
- When Project Work on Agency owned land disturbs less than one acre, but ground disturbances on non-Agency owned lands combined with Project ground disturbances on Agency owned land total one acre or more the Agency Project Work will be regulated by the Agency's 1200-CA permit. The Contractor is responsible for acquiring the 1200-C permit for all areas of disturbance on non-Agency owned land.

When the combined areas of disturbance of all Project related activities is less than one acre, no NPDES 1200 permit coverage is required.

(Insert the number of acres in the blank. Include all ground disturbance from Work, staging areas, haul roads, access routes and any other activities associated with the Work that disturb soil.)

The area of ground disturbance on Agency owned land is _____ acres.

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

(Use one of the following three options as instructed on Projects that involve one acre of ground disturbance or more. One acre of ground disturbance or more triggers compliance with NPDES 1200 permit. 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 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.

[Option 3 - Use the following paragraph 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.

00280.01 Abbreviations - Replace this subsection with the following subsection:

00280.01 Abbreviations and Definitions:

BMP - Best Management Practices
EMP - Environmental Management Plan
ESC - Erosion and Sediment Controls
ESCP - Erosion and Sediment Control Plan
ESCM - Erosion and Sediment Control Manager

Effective Functioning - Preventing Erosion, controlling Runoff, or controlling Sediment in each location where an ESC is needed so Erosion-related impacts of site construction are mitigated as required.

Erosion - The wearing away of the land surface by water, wind, ice, gravity or other geological agents.

Perimeter Controls - Perimeter Controls include sediment fences, ditches, filter berms in flatter areas, and other methods for preventing Sediment and other construction-generated pollutants from leaving the construction site.

Permanent Stabilization - Maintenance-free measures or methods necessary to prevent Erosion or Sediments from leaving the Project Site.

Runoff - That portion of precipitation that flows from drainage area on the land surface, in open channels or in stormwater conveyance systems.

Sediment - Fragmented material originated from weathering and Erosion of Rock and unconsolidated deposits. Sediment also includes fragmented materials from man-made materials. The material is transported by, suspended in, or deposited by water.

Temporary Stabilization - Covering soil or other measures to prevent Erosion until Permanent Stabilization measures are in place and established.

00280.02 Definitions - Replace this subsection with the following subsection:

00280.02 Submittals - Submit documentation that the compost material meets the requirements of Section 03020 for its intended use and is available for use according to the Project schedule in 00180.41 according to 00150.37, within 30 Calendar Days of Award of the Contract.

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.

Replace the bullet that begins "When using a Contractor developed …" with the following bullet:

- When using a Contractor developed ESCP, develop, provide, and stamp the ESCP by a professional with one of the following credentials. Include their name and credentials in the ESCP.

Replace the paragraph that begins "Ensure that the Contractor's construction ESCP …" with the following paragraph:

Ensure that the Contractor's construction ESCP and implementation schedules are prepared by an individual who meets qualifications of 00280.30. Provide a signed copy of the ESCP with individual's name, title, state certifications, and employing firm if different than Contractor's firm.

(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:

When required on the Project fill in the required information listed on the ESCP cover sheet prior to the beginning of construction and submit revised cover sheet to Engineer 10 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.

00280.14(a) Plastic Sheeting - Replace the bullet that begins "**Plastic Sheeting** - Minimum 6-mil thick…" with the following bullet:

- **Plastic Sheeting** - Minimum 6-mil thick polyethylene plastic sheeting or plastic sheeting that meets or exceeds the performance properties outlined in ASTM D4397.

Replace the bullet that begins "**Rock** – Class 50…" with the following bullet:

- Class 50 riprap according to Section 00390.

(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.

00280.15(a) Check Dams - Replace the bullet that begins "**Type 5: Prefabricated System** - Prefabricated …" with the following bullet:

- **Type 5: Prefabricated System** - Prefabricated check dam system according to the manufacturer's recommendations and on the QPL. Field fabricated systems are not acceptable.

(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.

(Use the following .16(a) when construction entrances are required.)

00280.16(a) Construction Entrances - Replace the bullet that begins "**Geotextile**…" with the following bullet:

- **Geotextile** - Riprap geotextile meeting the requirements of 02320.20 Table 02320-2. Provide documentation according to 02320.10(c).

Replace the bullet that begins "**Prefabricated Construction Entrance** …" with the following bullet:

- **Prefabricated Construction Entrance** - Provide reusable prefabricated construction entrance mats (track out mats) with the following characteristics:

(Use the following .16(b) when tire wash facilities are required.)

00280.16(b) Tire Wash Facility - Replace the bullet that begins "**Geotextile**…" with the following bullet:

- **Geotextile** - Riprap geotextile meeting the requirements of 02320.20 Table 02320-2. Provide documentation according to 02320.10(c).

(Use the following .16(c) when sediment fence is required.)

00280.16(c) Sediment Fence - Replace the bullet that begins "**Geotextile**…" with the following bullet:

- **Geotextile** - Geotextile meeting requirements of 02320.20 Table 02320-3. Provide documentation according to 02320.10(c).

(Use the following .16(d) when inlet protection is required.)

00280.16(d) Inlet Protection - Replace the bullet that begins "**Geotextile**…" with the following bullet:

- **Geotextile** - Type 1 geotextile meeting the requirements of 02320.20 Table 02320-1 Provide documentation according to 02320.10(c).

Replace the bullet that begins "Sand bags conforming…" with the following bullet:

- Sandbags according to 00280.15(a).

(Use the following .16(e) when type 5 brush barriers are required.)

00280.16(e) Sediment Barriers - Replace the paragraph that begins "Furnish sediment barriers and …" with the following paragraph:

Provide sediment barriers and sediment barrier stakes meeting the following requirements:

Replace the bullet that begins "**Type 5: Brush Barrier**…" with the following bullet:

- **Type 5: Brush Barrier** - Maximum 6-inch diameter woody debris brush or Topsoil strippings for brush barriers. Furnish Type 1 sediment fence geotextile meeting the requirements of 02320.20 Table 02320-1. Provide documentation according to 02320.10(c).

Replace the bullet that begins "**Type 6: Aggregate Barrier**…" with the following bullet:

- **Type 6: Aggregate Barrier** - Clean, well-graded, angular Aggregate with maximum size between 4 inches and 1 inch, meeting the requirements of 00330.16, except no more than 5 percent of the material (by weight) passing the No. 40 sieve.

(Use the following .16(g) when a temporary energy dissipater is required.)

00280.16(g) Temporary Energy Dissipater - Replace the bullet that begins "**Geotextile**…" with the following bullet:

- **Geotextile** - Type 1 riprap geotextile meeting the requirements of 02320.20 Table 02320-2. Provide documentation according to 02320.10(c).

00280.16(i) Concrete Washout - Replace the paragraph that begins "Furnish impermeable, spill resistant …" with the following paragraph:

Provide impermeable, spill resistant, leak proof concrete washout basin of sufficient size and quantity to retain all concrete wash water and concrete waste developed during construction, meeting the following requirements:

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, or other NPDES 1200 permit 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 and when the ODOT 1200-CA, or other NPDES 1200 permit is applicable. Must include bullets and caption above as well.)

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

- Monitor locations identified in Section 00294 for compliance.

00280.41(a) Disturbance Limits - Replace this subsection, except for the subsection number and title, with the following:

Prior to any ground disturbing activity, delineate all construction site clearing limits with high visibility markings and do not disturb areas outside the clearing limits. Prior to beginning construction activities, delineate and protect riparian areas including trees, root zones and vegetation to be preserved and delineate and protect vegetated buffer zones according to 00280.41(e). Protect post-construction stormwater facilities, unless used during construction as sediment trap, then repair according to 00280.46(h).

00280.41(c) Wet Season Work and Temporary Work Suspension - Replace this subsection with the following subsection:

00280.41(c) Temporary Work Interruption - Update the ESCP and schedule for Work proposed between October 1 and May 31 to ensure that all appropriate controls, including ESC during Work interruption, are implemented and maintained. Submit the updated ESCP and schedule to the Agency and receive approval before beginning any Work between October 1 and May 31.

Between October 1 and May 31, limit excavation and bare ground activities to only those required for immediate operations. Stabilize stockpiles at the end of each workday by diverting flows, placing covers, or installing Sediment barriers.

00280.41(d) Disturbance Restrictions - Replace this subsection, except for the subsection number and title, with the following:

Limit the amount of disturbed areas to what can be effectively controlled.

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

Cover loads carrying soil or sediment that may generate dust. Haul saturated loads in watertight 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.

00280.44(d) Temporary and Permanent Mulching and Seeding - Replace the bullet that begins "**Mulching** - Evenly apply …" with the following bullet:

- **Mulching** - Evenly apply dry mulch and tackifier materials according to Section 01030. In areas not accessible to heavy Equipment, mulch by hand or by other approved methods. Areas not prepared according to 01040.48(d) require a greater rate of application to obtain complete coverage, at no additional cost to the Agency.

(Use the following .46(k) when floating turbidity barriers are required.)

Add the following subsection:

00280.46(k) Floating Turbidity Barrier - Construct floating turbidity barriers as shown or directed.

(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 items listed in this subsection. The listed items do not need to be shown on the plans if they are for emergency replacement use 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...":

Furnish 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.

00280.61 Ineffective Controls - Replace this subsection, except for the subsection number and title, with the following:

If an ESC device does not meet Effective Functioning, repair, replace, or provide additional devices. Provide devices repaired, replaced, or added due to improper installation, insufficient maintenance, or damage from Contractor operations at no additional cost to the Agency.

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 - Replace this subsection, except for the subsection number and title, with the following:

Provide and install a temporary rain gauge at the Project Site. Upon approval, storm event information may be derived from weather stations that are representative of precipitation levels at the site.

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, or other NPDES 1200 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.
- 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.
- All corrective action documentation and photographs to Agency within 24 hours of completion of corrective actions.

(Use the following .80(c) when floating turbidity barriers are required.)

00280.80(c) Length Basis – Add the following bullet to the end of the bullet list:

- Floating turbidity barriers will be measured along the horizontal axis of the protection perimeter, limited to the Neat lines as shown or directed.

00280.90 Payment - Replace the paragraph that begins "In item (f), the word …" with the following paragraph:

In item (f), the word "Hydromulch", "Straw", or "Compost" is inserted in the blank.

Replace the paragraph that begins "In items (g), the …" with the following paragraph:

In item (g), the type is inserted in the blank.

Replace the paragraph that begins "Payment will be payment …" with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

00280.91 Payment –

(Use the following Pay Item (p) or (q) as required by the Project.)

Add the following Pay Items to the Pay Item list:

(p) Floating Turbidity Barrier..... Foot
(q) Active Treatment System..... Lump Sum

Replace the paragraph that begins “In items (a), (f), (g)…” with the following paragraph:

In items (a), (f), (g), (j), and (k), the type is inserted in the blank.

Replace the paragraph that begins “Emergency Materials that are incorporated…” with the following paragraph:

Materials listed in 00280.48 that are incorporated into the Project will be paid for under the appropriate items listed in the Contract Schedule of Items.

Replace the paragraph that begins “Payment will be payment …” with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.