

Checklist for Preparation of ESC Plan for Submission to Lorain SWCD

Project Name: _____

Location: _____

Owner: _____ **Engineer:** _____

Developer: _____

Project Size: _____ **Does this qualify for abbreviated ESC? Y / N**

Requirements: For subdivisions, the ESC plan should be submitted after the approval of preliminary plans and prior to improvement plans or drawings by the Planning Commission. For other projects, the ESC plan should be submitted concurrently with other drawings to their respective departments, but in any case at least 30 days before construction begins. Two copies of the plan must be submitted.

REQUIRED COMPONENTS OF ESC PLAN

___ **Site construction plans intended for bid**

___ **Contact information for all parties:** Landowner, developer, project engineer, project name, contractor if known, etc.

___ **Permit Verification** Wetland permits (nationwide or individual) for jurisdictional wetlands or Ohio EPA isolated wetland permit/water quality certification. Include wetland delineation. Ohio EPA NPDES permit number or copy of NOI.

___ **Project Description:** Brief description of project and type of soil disturbing activities making sure to note items not evident from plan drawings. List total acreage.

___ **Vicinity Map:** Show project location, adjacent parcels, locations of receiving waters, north arrow, scale.

___ **Site Description:** Type of construction activity (residential, retail, mall, etc), total area of disturbance including offsite borrow or stockpile areas, prior and current landuses at site, soil information, any known previous site pollution or contamination, name and location of receiving surface water(s) and first subsequent receiving water(s), plan view and description of wetlands impacted

___ **Construction Sequence:** Schedule of work and installation of E&S controls through final stabilization. Sediment controls must be in place within 7 days of first grubbing and remain functional until final stabilization occurs.

___ **Site plans:** Need to show limits of clearing, grading, borrow or stockpiling. Show preconstruction drainage patterns and watersheds as well as post construction drainage patterns and watersheds. Show stream crossings, locations of in stream work. Show locations of surface water including water well heads on or within 200ft of site. Show impacted wetlands or wetlands within 200ft of site.

___ **Location of practices:** Show locations of all erosion & sediment control practices including areas to be seeded or stabilized. Show structural practices including diversions, ponds, basins, silt fence, etc.

Ponds need to include storage volume, dewatering volume and total contributing drainage area. Show concrete washout and fuel storage, sanitary facilities, and waste disposal. Show construction entrance(s).

___ **Detail Drawings:** For all structural E&S control practices. Include outlet structures.

___ **Stabilization methods:** Seeding and fertilizer rates, mulching, matting, etc. Any area to be left unused for 21 days or longer must be seeded within 7 days of final disturbance. Critical areas (concentrated flow areas or near waterways) must be seeded within 2 days of final disturbance if to be left idle for more than 21 days.

___ **Maintenance and Inspections:** Detail maintenance requirements for each E&S control practice to maintain continued performance. In house inspections must be done once each week and within 24 hours of _ inch or more rain. Written inspection records must be kept with the SWPPP.

___ **Stormwater Runoff considerations and Post-Construction BMPs:** Show pre & post runoff coefficients. Describe post construction storm water management BMPs and maintenance provisions thereof. Show locations of structural practices and any natural areas to remain. Provide post construction estimate of imperviousness.

___ **Location and volume of sediment ponds:** Calculations must be shown for all ponds temporary or permanent. Permanent ponds must be modified with a riser pipe or skimmer device on the outlet control structure. Modification must be shown in detail drawings and noted on plan view. Ponds must be sized for total contributing drainage, not just disturbed area. Sediment storage volume shall be sized for disturbed area.

___ **Trench and Groundwater dewatering:** All sediment laden pumped water must pass through a sediment basin, trap or filter bag prior to discharge. Identify dewatering procedures on SWPPP. Clean groundwater should be kept from contamination with sediment.

General Notes

There must be a pre – construction meeting held before work starts.

Sediment controls must be installed within 7 days of first clearing, if clearing is necessary. If clearing is not necessary, sediment controls must be installed first. These controls need to be stabilized by seeding and mulching where appropriate.

Give consideration to sediment controls before storm sewers are functional and after they are functional.

Pre winter stabilization meeting needs to be held if project is to remain open through winter Planning should be such that site is able to be seeded during the growing season. If seeding is not possible, then the site will have to be mulched and possibly dormant seeded.

Permanent stabilization of soil needs to occur within 7 days of final grading.

Temporary sediment control devices should be removed at time of final grading, and accumulated sediment stabilized or removed.



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