Field Inspection Checklist

☐ Concrete washout
  • Is there a dedicated, contained, and maintained area for concrete washout?

☐ Conformance to the permitted/approved plan set
  • Is the project following the permitted/approved plan set, not an earlier version or later revision?
  • Are field changes documented on the plan set and properly communicated to the necessary regulatory agencies?

☐ Conformance to approved construction sequencing/phasing
  • Is the project following the accepted/approved construction sequence?
  • Is phasing of the project being conducted to minimize disturbance?

☐ Designated Erosion Control Inspector (DECI)
  • Does the site require a DECI?
  • Is the DECI maintaining a routine inspection schedule, weekly and after all 0.5” rain events?
  • Is the DECI inspection log on site and readily available?
  • Are current site conditions representative of the latest DECI inspection report?
  • Do the DECI inspection reports adequately cover recommendations for corrective measures?
  • Are the DECI reports indicative of a thorough and competent inspection?

☐ Detention facility plantings
  • Is native vegetation planted in all permitted areas?
  • Is the vegetation established to a reasonable level?
  • Has permanent stabilization of the detention basin been achieved, i.e. 90% areal coverage of which 50% must be the desired species?
  • Is erosion control blanket installed correctly, i.e. up and down the slope?

☐ Detention facility emergency overflow location and construction
  • Is the emergency overflow constructed to the size/shape/location/elevation of the permitted/approved plan set?
  • Is the emergency overflow effectively armored (C350, rip-rap, etc.), per the permitted/approved plan set, to resist scouring or undermining due to high volume/high velocity flows?

☐ Dewatering
  • Is dewatering directly entering a waterway or wetland?
  • Are dewatering activities conveying sediment laden water?
  • Are appropriate dewatering BMP’s in place and functioning effectively?
  • If a sediment bag is being used, is it capturing sediment effectively?

☐ Ditch checks
  • Are ditch checks installed at all locations shown on the permitted plans?
  • Are ditch checks installed properly? i.e., Is spacing correct? Anchored correctly?
  • What types of ditch checks are installed? Rock check dams? Triangular silt dikes?
  • Are straw bales or silt fence being improperly used as ditch checks?

☐ Dust control
  • Are dust control measures being used as needed?
  • Is dust observed moving offsite due to wind?
  • Are roadways being swept or swept and vacuumed when needed?
Floodplain/Floodway
- Has compensatory storage been provided for any permitted floodplain fill, prior to fill activity?
- Is there unauthorized activity in the floodplain? floodway?
- Are materials/debris being stockpiled in the floodplain? floodway?

Inlet protection
- Are all open lid storm sewer structures adequately protected?
- What type of inlet protection is being used? Manufactured baskets? Fabric wrap? Silt fence “cage”?
- Are straw bales being improperly used for inlet protection?
- If inlets are wrapped in fabric, is the fabric adequately maintained? Clogged? Torn or cut to allow water to flow through?
- Are hydrocarbon booms installed where appropriate or as shown on the permitted plan set?
- Are all storm sewer inlets that are or will be functional during construction protected?
- Is the inlet protection installed correctly to protect the entire inlet?
- Is the inlet protection being maintained?

Inverts and overflow elevations
- Do storm sewer inverts, overflow elevations, etc. match the permitted/approved plan set?

Native vegetation
- Has native vegetation been planted/seeded/plugged in required areas at the appropriate stage of construction?
- Is the observed vegetation the desired species?
- Are seed tags or labels readily available for field verification that the permitted/approved varieties were used?
- With regard to long term care, is a maintenance program in place and implemented to ensure the success of the native species?

Off site tracking
- Is there evidence of off site tracking of mud/sediment/debris?
- Is street sweeping being done routinely?
- Is a street sweeper/vacuum truck readily available?
- Are preventative measures implemented to minimize off site tracking?

Off site impacts
- Is there evidence of any off site impact that is not expected or permitted/approved?
- Is there an adequate plan in place to quickly respond to potential off site impacts?

Other perimeter SE/SC controls
- Are all perimeter soil erosion/sediment controls in place and maintained?
- Are adjacent wetlands/waters/properties being impacted by SE/SC failures?

Overland flow paths and stormwater discharge points
- Are all permitted overland flow routes constructed?
- Are all permitted overland flow routes free from obstruction?
- Are all permitted overland flow routes stabilized?
- Are all pre-construction overland flow routes protected?
- Are all pre-construction overland flow routes free from obstruction?
• Are all points of offsite drainage (i.e., water leaving the site) stabilized?
• Are all points of offsite drainage protected from erosion and sedimentation?

☐ Perforated riser
  • Is the perforated riser installed at the outlet?
  • Is the perforated riser sized correctly (one pipe size smaller than the outlet pipe)?
  • Is the perforated riser wrapped in hardware cloth or chicken wire, and filter fabric?
  • Is the perforated riser adequately mortared in?
  • Is there an adequate amount of stone at the base of the riser?

☐ Perimeter SE/SC controls
  • Are all perimeter soil erosion/sediment controls in place and maintained?
  • Are adjacent wetlands/waters/properties being impacted by SE/SC failures?

☐ Permit posting
  • Are all applicable permits posted and readily visible on the project site?
  • Are all applicable permits, as posted, up-to-date, i.e. have there been permit modifications?

☐ Polyacrylamide application
  • Are polyacrylamides (PAMs) being used on site for dewatering?
  • Are PAMs being used on site for stabilization?
  • Are PAMs being used anionic?
  • Are cationic (environmentally detrimental) PAMs being used, such as chitosin?
  • Are PAMs being used in appropriate and effective quantities?
  • Are systems that utilize PAMs being maintained/recharged in a timely manner?

☐ Restrictor plate
  • Is the restrictor plate or restrictor structure installed?
  • Is the opening(s) or pipe size in the restrictor plate or restrictor structure appropriately sized?

☐ SE/SC maintenance and/or removal
  • Are SE/SC measures (BMPs) regularly maintained?
  • Are SE/SC measures removed in a timely manner as they are no longer needed?

☐ Silt fence
  • Does the silt fence meet the AASHTO 288-00 Standard?
  • Is the silt fence trenched in properly?
  • Is the silt fence backfilled and compacted?
  • Is the silt fence maintained and in good condition?
  • Is silt fence installed in all areas shown on the permitted plans and in all areas necessary?

☐ Slopes
  • Are slopes adequately stabilized to prevent erosion?
  • If bulldozer “tracking” been done on slopes to interrupt erosional flows, has it been done correctly in an “up and down” pattern?

☐ Soil stockpile
  • Is the soil stockpile located in an approved location (i.e., not in floodplain or wetland)?
  • Is the soil stockpile adequately stabilized?
  • Is the soil stockpile properly enclosed with silt fence?
**Stabilization, temporary or permanent**
- What methods of stabilization are being employed? Temporary or permanent?
- What maintenance of stabilization measures is needed and/or being performed?
- What is the expected duration or lifespan of the stabilization measures employed?
- Have all disturbed areas been stabilized with temporary or permanent measures within 14 days of the end of active hydrologic disturbance?
- Are stabilization measures effective?
- Are there areas of disturbance that need additional stabilization measures?

**Stabilized construction entrance**
- Are all ingress and egress points covered by a temporary construction entrance?
- Is the entrance constructed with a 3" coarse aggregate?
- Has an appropriate geotextile material been installed underneath the stone?
- Is the entrance appropriately sized, both in width and length?
- Is the entrance adequately preventing tracking of dirt, mud, and sediment onto roadways?

**Stormwater management system**
- Is the stormwater management system installed and functional, prior to building construction?
- Are all points of concentrated discharge appropriately installed for energy dissipation?
- Are all inlets and catch basins adequately protected from sediment conveyance into the system?
- Is hydrocarbon removal technology in place, functional and maintained where needed?

**Storm sewer materials and sizing**
- Are the permitted/approved materials being used for storm sewer installation?
- Is the storm sewer installation adequately protected from erosion/sediment impacts?
- Is the storm sewer sizing compliant with the permitted/approved plan set?

**SWPPP (Stormwater Pollution Prevention Plan)**
- Is a copy of the SWPPP kept at the construction site?
- Does this site discharge to water for which there is a TMDL allocation?
- Does this site discharge directly to an impaired water identified on the 303(d) listing?
- Does the SWPPP adequately address BMPs (sequencing, SE/SC measures, etc.)?
- Does the SWPPP disclose all stormwater discharge locations?
- Is the SWPPP effectively utilized for project guidance?
- Are routine inspections being completed per requirements, documented, and kept on site?
- Does the SWPPP site map show drainage patterns?
- Does the SWPPP site map show ingress/egress points and controls for offsite sediment tracking?
- Does the SWPPP site map identify all surface waters and wetlands?
- Have all contractors/subcontractors signed a certification as to their understanding of the SWPPP?
- Is the SWPPP signed by the responsible party?
- Is the SWPPP updated as necessary for project changes?
☐ Tire Wash
- Is a tire wash being used at each construction entrance?
- Is a tire wash needed? Is off site tracking evident?
- Is a tire wash specified on the permitted/approved plan set?

☐ Triangular Silt Dike
- Are triangular silt dikes installed in all locations shown on the permitted plan set?
- Are the triangular silt dikes pinned or otherwise secured on the upstream side?
- Are the triangular silt dikes spaced appropriately, i.e., the top of the downstream unit should be at the same elevation as the bottom of the unit immediately upstream?

☐ Trash Disposal
- Is there an adequately sized receptacle on site for deposition of construction material debris?

☐ Turbidity Curtain
- Is a turbidity curtain(s) specified in the permitted/approved plan set?
- Is the curtain anchored to the bank/shore adequately?
- Is the curtain installed improperly perpendicular to flow?
- Is the curtain free-floating and not allowing water to overtop?
- Is the curtain “skirt” hanging freely and/or contacting bottom?

☐ Wetlands/Waters protection
- Are all delineated wetlands on site protected by 4’ IDOT Standard Construction Fencing?
- Are all adjacent offsite wetlands protected from impact?
- Are illicit discharges into wetlands or bodies of water being prevented?
- Are wetland buffers protected?

This is a short list of items, many more items exist. Some items listed above are somewhat redundant, but often part of a treatment train. Each project is unique and will have specific requirements.

** Document courtesy of Lake County Stormwater Management Commission (SMC)