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 (ie. 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 (ie. 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, ie. 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)