

**TERRE HAUTE SANITARY DISTRICT  
TERRE HAUTE, IN  
Edgewood Grove/Oakland Subdivision  
Storm Water Separation/Lift Station Project  
Phase IIIA – West Side  
Phase IIIB – East Side  
EROSION CONTROL PLAN NARRATIVE**

**SECTION A**

**A1. Plan Index**

The erosion control plan is multiple sheets showing all required items.

**A2. 11 x 17 Plat**

An 11x17 inch plat map is included as part of this submittal.

**A3. Project Description**

The Phase IIIA-West part of this project consists of improvements to Jackson and Monroe Boulevards, and Hudson, Potomac, and Riley Avenues in Edgewood Grove Subdivision. Additionally, an existing storm sewer south of the Edgewood Grove Subdivision which provides an existing drainage outlet to Thompson Ditch located southeast of the project areas will be replaced/re-used.

The Phase IIIB-East part of this project consists of improvements to McKinley and Madison Boulevards, and Potomac and Riley Avenues in Edgewood Grove Subdivision. Additionally, the force main that will connect to the existing force main from the Oakland Subdivision (Phase I) will be extended to the proposed outlet at Thompson Ditch.

**A4. Vicinity Map**

A map depicting the site in relation to other areas is included on the cover sheet of the plans.

**A5. Legal Description**

The property lines for the site are shown on the plat maps. The proposed improvements are located in part of T.12N., R.9W., of Harrison Township. The approximate latitude and longitude coordinates are: 39° 28' 13", -87° 21' 54".

**A6. Location of Lots and Site Improvements**

All lots and proposed site improvements are shown on the plan sheets.

**A7. Hydrologic Unit Code**

The Hydrologic Unit Code for the area containing the proposed improvements is 05120111060060.

**A8. Water Quality Permits**

No state or federal water quality permits are required for this project.

**A9. Stormwater Discharge Points**

Stormwater discharge will drain into Thompson Ditch via an existing drainage outlet which will be replaced/re-used as indicated on the plans.

**A10. Adjacent Wetlands, Lakes & Watercourses**

There are two small palustrine forested wetlands which lie immediately south of the project area. A map showing these areas is included as part of this submittal.

**A11. Receiving Waters**

Receiving waters include Thompson Ditch, Honey Creek, and the Wabash River.

**A12. Discharges to Groundwater**

To the best available information, there are no abandoned wells, sink holes, etc. within the project area.

**A13. 100 Year Floodplains, Floodways and Floodway Fringes**

None of the project site lies within a 100 year floodplain, floodway, or floodway fringe. A copy of the local floodway map is included with this submittal.

**A14. Pre-construction and Post-construction Peak Discharge**

The post-construction peak discharge will not differ from the pre-construction peak discharge because all disturbed land will be returned to its original condition.

**A15. Adjacent Land Use**

Adjacent land use consists primarily of residential and commercial use.

**A16. Disturbed Areas**

Construction limits can be seen on all plan sheets.

**A17. Vegetative Cover**

Existing vegetative cover is shown on all plan sheets

**A18. Soil Map and Description**

A soil map for the project is attached. A description of each soil type is attached to the soil map.

**A19. Stormwater Systems**

The proposed stormwater system consists of reinforced concrete pipe storm sewers ranging in size from 12-72 inches in diameter, Type II pipe storm sewers ranging in size from 12-48 inches in diameter, and miscellaneous inlets and drainage structures along Jackson, Monroe, McKinley, and Madison Boulevards, and Hudson, Potomac, and Riley Avenues in the Edgewood Grove Subdivision. Locations of these structures are shown on the plan sheets.

**A20. Off-site Construction Activity**

There will be no off-site construction activities. Any utility connections will occur within the construction limits.

**A21. Stockpile and Borrow Areas**

Not applicable. There will be no stockpiled sediment material; all material removed during construction will be reused, and the surface will be graded to prevent free standing surface water.

**A22. Existing Topography**

The existing topography of the site can be seen on all plan sheets.

**A23. Proposed Final Topography**

The final proposed topography for the site can be seen on all plan sheets.

**SECTION B**

**B1. Potential Pollutant Sources**

Potential pollutant sources associated with construction activities include sediments from excavation, equipment fuel/oil leaks/spills.

**B2. Stormwater Quality Measure Implementation**

Stormwater quality measure implementation will include on-site trapping of sediment with silt fences, which will be installed prior to beginning construction. Stable construction entrances from existing access drives shall be constructed

prior to beginning construction. These entrances will be constructed off existing roads. Staged clearing and grading will be used. Drain inlet protection will be used to keep sediment from entering the storm sewer during construction. This will be installed as soon as the storm sewer system is functional. Disturbed areas will receive temporary and/or permanent seeding within 7 days. Spill control kits shall be employed for equipment fuel/oil leaks. In the event of a major spill, the proper agencies shall be notified, including the Indiana Department of Environmental Management at (888) 233-7745 and the Terre Haute Fire Department at (812) 232-3181.

**B3. Stable Construction Entrance**

Temporary access roads from public thoroughfares shall be constructed of a width and load bearing capacity to provide unimpeded traffic to serve the construction area. These entrances will be constructed off existing roads. Specifications are included with this submittal.

**B4. Sediment Control for Sheet Flow**

Sediment control measures for sheet flow areas are shown on all required plan sheets, including silt fence. Specifications are included with this submittal.

**B5. Sediment Control for Concentrated Flow**

Not Applicable. No concentrated flow exists within the project limits.

**B6. Storm Sewer Inlet Protection**

Drain inlet protection shall be installed as soon as the storm sewer system is functional. Specifications are included with this submittal.

**B7. Runoff Control Measures**

Runoff control measures are shown on all needed plan sheets. They include silt fence and sodding. Specifications are included with this submittal.

**B8. Stormwater Outlet Protection**

Riprap will be installed within the outlet structure at the stormwater outlet area. Specifications are included with this submittal.

**B9. Grade Stabilization**

Severe slopes are not present on this site; therefore, grade stabilization structures are not used.

**B10. Stormwater Quality Measures**

Stormwater quality measures include temporary and permanent seeding. These measures are shown on all required plan sheets. Specifications are included with this submittal.

**B11. Temporary Surface Stabilization**

Temporary seeding for surface stabilization shall be completed within 7 days of disturbance. Specifications for temporary seeding are included with this submittal.

**B12. Permanent Surface Stabilization**

Permanent seeding for surface stabilization shall be completed within 7 days of disturbance. Specifications for permanent seeding are included with this submittal.

**B13. Material Handling and Spill Prevention**

Materials that are expected to be on-site during construction include sediments from excavation, and equipment fuel/oil leaks/spills. Sediments from excavation will be controlled through the erosion control practices outlined in this plan. All other materials will be handled in accordance with the manufacturers' instructions. Potential spills may include equipment fuel and oil that would be addressed by spill control kits. In the event of a major spill, the proper agencies shall be notified, including the Indiana Department of Environmental Management at (888) 233-7745 and the Terre Haute Fire Department at (812) 232-3181.

**B14. Monitoring and Maintenance**

The construction entrance shall be inspected weekly and after storm events or heavy use. Maintenance includes reshaping and top dressing with clean stone as needed. The inlet protection shall be inspected after storm events; sediment shall be removed and the inlet protection repaired immediately. The silt/sediment fence shall be inspected periodically and after each storm; accumulated sediment shall be removed and ineffective portions of the fence replaced immediately. All temporary and permanent seeding shall be inspected periodically and after storm events; reseed and mulch if vegetative stands are not adequately established or if

erosion damage is present. The person who inspects these stormwater quality measures will have an understanding of and be familiar with the necessary erosion control practices and how to properly maintain them. The monitoring and maintenance practices are described in detail in the specifications for each erosion control practice. These specifications are included with this submittal.

**B15. Specifications for Individual Lots**

Not applicable. There is no disturbance of individual lots.

**SECTION C**

**C1. Proposed Land Use Pollutants**

Proposed land use pollutants may include fuel, antifreeze, oil spills, and/or other spills from vehicles, sand and/or salt from roads, and/or fertilizer.

**C2. Stormwater Quality Measure Implementation**

Disturbed areas will receive temporary and/or permanent seeding after completion of construction. The permanent seeding will allow runoff to filter through the vegetation before entering the groundwater. Upon completion of permanent seeding, periodic inspections shall be made and any reseeding or refertilization shall be done as necessary.

**C3. Proposed Post Construction Stormwater Quality Measures**

Disturbed areas will receive permanent seeding after completion of construction. The permanent seeding will allow runoff to filter through the vegetation before entering the groundwater.

**C4. Stormwater Quality Measure Details and Specifications**

Specifications for permanent seeding are included with this submittal.

**C5. Maintenance Guidelines for Post Construction Water Quality Measures**

Upon completion of permanent seeding, periodic inspections shall be made and any reseeding or refertilization shall be done as necessary. The person who inspects the vegetation growth will have an understanding of and be familiar with the necessary erosion control practice and how to properly maintain it.