

PROJECT INFORMATION

County:

City:

Address 50 West 900 North, Chesterton, IN 46385

Southwest of the Intersection of County Road 900 North and Project Location County Road 50 West

Hydrologic Unit Cade Receiving Waters: N 41°33'47" W 87°04'43"

Civil Townshin:

Section: 23 Township: 36N Runge: 6W

City: Chesterion State: IN Zip: 46304

Email: -

Plan Preparer Name:

952 S. State Road 2

Telephone: 219-462-7743 Fax: 219-464-8248

Emall: mcm@mcmgrp-in.com

A1 — Plan fades — Contained herein
A2 — Hart Terrain: — An 11x17 version of the construction plans is enclosed herewith.
A3 — Narrative — The site is currently the location of Liberty Elementary and Liberty Middle Schools.
The site location energy 70 scree where only approximately 15 acres are developed; the remainder is a used as athletic fields and an actively farmed corn field. The site is considered flat to rolling as there are areas with 20 feet relief from high to low. The development plans incubes a building addition to the elementary school, detention pond construction, demolition of asphalt parking areas reconstruction of parking and dreway facilities and everal renovations of the grounds.
A4 — Vicinity map.—See Sheet C000.
A5 — Lexal description — See Sheet C105.
A6 — Lexalism of all lots and proposed site improvements — See Sheets C100, C101 and C200.
A7 — HUC — 0404000150040
A8 — Any state and federal water quality peculis? — None required.
A9 — See Life praight of storm water discharge — See Sheet C200 — numerous points of discharge to Damon Run.
A19 — Lexalion and nume of wellands and water badies adlacent to the site — Damon Run.

Damon Run.

A19 - Location and name of wellands and water badies adjacent to the site — Damon Run.

A11 - Utilinate receiving water — Damon Run

A12 - Identification of potentials distances to a reundwater — Sources where storm water may potentially enter ground water are from the ponds.

A13 - 109 - Very Resignation, Readways and Receivey Friences — Parcel is in Flood Zone 'C', areas of minimal flooding, by scaled location.

A14 - Prepositivation — And Accession.

A14 - Preconstruction and nost construction estimate of peak discharge.

Estimated Peak Discharge of a 10-year Storm Event
Pre Construction Post Construction
61.0+/- cfs 38.0 cfs

A15 - Adjacent Lond Use
North - Residential, agricultural
South - Residential, agricultural
East - Residential, agricultural
West - Residential

A16 - Location and monosimate haundaries of disturbed areas — See Sheets C200 and C400.

A17 - Identification of existing verytalities cover. - C050 and C051. The undeveloped areas are covered with either oddling vegetation (Greas or trees) or achiefy farmed row crops. Areas that are to be disturbed shall be permanently ended an influence of the company of the com

Sheet C200.

A24 - Proposed Description of Dest Control. — Contractor shall provide dust control measures. Dust control measures shall be used during all phases of construction. If use of water is not effective an environmentally friendly chemical agent such as a polymor emulsion shall be used. All dust control agents shall be rated as safe for use in wateriad areas regardless of site location. An acceptable example of a polymer emulsion product is DustGlue. Calcium Chloride is not exceptable at angles.

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Bt - Description of potential pellulant sources associated with the construction activities.

- Motor oils (in construction equipment)
- diseaf fuel (in construction equipment)
- cleaning solvents (for construction equipment)
- concrete washout
- construction litter

B2 - Sequence describing stormwater quality measure implementation relative to I

B3 - Stable construction entrance feeritions and specifications. —See Sheets C400.

B4 - Sediment control measures for sheet flow areas. —See Sheets C400.

B5 - Sediment control measures for sheet flow areas. —See Sheets C400.

B6 - Storm sewer inject protection occasure locations and specifications. —See Sheets C400.

B7 - Runoff control measures. —See Sheets C400.

B8 - Stormwater outlet protection specifications. —See Sheets C400.

B9 - Grade stabilization structure locations and specifications. —See Sheets C400.

B10 - Locations, dimensions, specifications and experimentally specifications. —See Sheets C400.

B10 - Locations, dimensions, specifications and construction details of each stormwater quality measure, —See Sheets C400.

BII - Temporary surface stabilization melliods appropriate for each season. - See Sheet C400.

BI2 - Permanent surface stabilization specifications. - See Sheets C400.

B12. Permanent surface stabilization precifications.— See Sheels C400.

B13. Materials handling and spill prevention plans.—The contractor shall provide a stone surface material staging area. All liquid material shall be stored in a weather-proof, vandalism resistant enclosure or removed from the site during non-work hours. An on-site faeling area shall be designat eway from dianiage channels and inlets that would permit the rapid movement of spillad fuel to adjacent waterways. If more than 200 gallons of fuel is stored on-site, appropriate temporary containment facilities shall be installed to prevent registration of spills. All materials shall be handled, applied, and disposed of in strict accordance with manufacturer's recommendations. In the case of emergencies, spills or potential contamination, please call the appropriate number as listed below

If an emergency occurs, call 911.
 Minor spills of hazardous material must be reported by calling Porter County HAZMAT 219-465-3593.
 IDEM on-scene coordinator 219-757-0285
 IDEM price 24 hour spill hottine 1-868-233-7745

B14 - Monitoring and maintenance goldclines for each proposed pollution prevention measure.

Storm Sewer Inlets - inspect after each storm event. Clean sumps as necessary. Ensure all practices are in working order. Reptace damaged practices as necessary. Ensure all practices, Ponds - Inspect after slopes for erosion and washout. Maintain side slope, stability. Where washout occurs, re-fill with soil, compact property, and Install infrap.

Pond Inlets and Outlets - ensure riprap is stable. Reptace and re-stabilize as necessary.

B15 - Erosion and Sediment control specifications for Individual building lots. - Not Applicable

CI— Restriction of Pollutants relative to pranosed land use — The proposed land use for the site is a school. Pollutant sources for this proposed use are related to the sporadic use, routine maintenance of the building grounds, and the parking of motor vehicles on the site. Pollutants could include mittor amounts of oils, fuels, coolants, cleaning fluids, paints, herbicides, fertilizers and miscellaneous debris. C2—Ssquence describing storm water quality measure langtenedation. See Sheet C400.
C3—Description of proposed user construction atom water audits measure.—The most significant post construction pollutant its soil and sediment discharge. The erosion control plan indicates the typical permanent erosion control measures associated with site development. The prinary post construction stom water quality measure is the storm water detention basin. The basin will need to be inspected periodically for accumulated sediment, and cleaned when necessary. All storm water runoff is to be routed into the detention basin which allows the suspend solids in the storm water to settle to the bottom of the pond over time providing the best possible management of quantity and quality.

C4 - Location, Dimensions, Specifications and construction details for each sturmwater quality measure.

See Sheets C400. C5 - Description of maintenance guidelines for post construction stormwater quality measures. - See Sheets C400.

Seasonal Soil Protection Chart

Stabilization Practice	Jan	Feb	Mar	Apr	Миу	Jun	Joi	Aug	Sept	Od	Nov	Dec
Permanent Seeding	1											
Dormant Seeding	3										3	-
Temporary Seeding			5—	4			m2nau	6-		_		
Sadding			7	- 6			HITOUCH HIND:	terZuran	iitile—	=		
Mulching	8						-					_

1 = Optimal plonting period for most turf mixes when properly fertilized, hydro-mulched, or stran mulched.
2 = 50% Sivegrass, 30% Creeping Fescue, 10% Perennial Ryegrass.
3 = Sead only when germination connot occur and increase needing rates by 20% during this period.
4 = Annual ryegrass 50 lb. per acre.
5 = Spring octs 3 bu. per acre.
7 = Send repeated to the period occur.
8 = Stram mulch 2 lon per acre.
9 = Stram mulch 2 lon per acre.
1 = Irrigation needed 2-3 weeks ofter installation during this period.
1 Irrigate all plantings if installed during June, July, & Sept.

Seeding Rates: Blaegrass (40 lb/acre), Fescue (40 lb/acre), Ryegrass (170 lb/acre)

Emergency Contact Information

ANY EMERGENCY, CALL 911.

MINOR SPILL OR TO REPORT A CONCERN CALL PORTER COUNTY HAZMAT AT 219-465-3593.

ON-SCENE COORDINATOR FOR IDEM OUT OF MERRILLVILLE 219-757-0285

IDEM 24 HOUR SPILL HOTLINE 1-888-233-7745



Storm Water Pollution Prevention Plan Elementary and Middle Schools - Duneland School Liberty Township, Porter County, Indiana

McMAHON ENGINEERS ARCHITECTS

DESIGNED DRAWN
RSP RSP
PROJECT NO.
D0528-59-0134.00 DATE September 24, 2009 SHEET NO.

C401