





- Individual lots < 1 acre and located within a larger project are considered part of the larger permitted project site. However, an Individual Lot Plot Plan permit application must be submitted prior to receiving a building permit
- Individual lots disturbing 1 acre or more must submit an application even if part of a larger project

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POLICY (Section 602.02)

7. Appropriate measures shall be implemented to prevent garbage, debris, fuels and petroleum products, hazardous materials, concrete truck washout, and other substances from being carried from a project site by runoff or wind



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Goal of the SWPPP

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The ultimate goal of the Storm Water Pollution Prevention Plan (SWPPP) is to keep sediment and other pollutants from leaving the construction site













Å1	THE INDEX IS AS FOLLOWS.	A13 NO FLOODPLAIN BOUNDARIES HAVE BEEN IDENTIFIED
A2	11x17 EXHIBIT PROVIDED SEPERATELY.	onsite. A floodplain boundary has been identified
A3	THE NATURE AND PURPOSE OF THE	ON ADJACENT PROPERTY, ON THE NORTH SIDE OF
	PROJECT IS THE DEVELOPMENT OF	C.R. 500 NORTH.
	LAUREN LAKES - SECTION 1, A 28.1 ACRE	A14 PRECONSTRUCTION PEAK DISCHARGE FOR OVERALL SITE
	SINGLE-FAMILY RESIDENTIAL DEVELOPMENT.	SW - 8.11 cfs (10-YR) N - 55.56 cfs (10-YR)
	A TOTAL OF 70 LOTS TO BE DEVELOPED. ESTIMATED	SE = 0.72 cfs ($10-YR$) E = 73.71 cfs ($10-YR$)
	START OF CONSTRUCTION-JUNE 2005 AND	POSTCONSTRUCTION PEAK DISCHARGE FOR OVERALL SITE
	COMPLETION-JUNE 2010.	N = 3.17 of $(10-YP)$ F = 22.29 of $(10-YP)$
A4	VICINITY MAP IS FOUND ON THIS SHEET.	h = 3.17 CIS (10-1K) $L = 22.23$ CIS (10-1K) h = 3.17 CIS (10-1K) LICES ADE AS EALLOWS:
A5	LEGAL DESCRIPTION FOR THE SITE CAN BE FOUND	
	ON SHEET B102. ALTA/ACSM LAND TITLE	
	SURVEY, PROVIDED SEPERATELY.	
	LAT-40'29'18"N LONG-86'54'37"W	
A6	REFER TO SHEETS CID) THROUGH CIDE	
1.0	HYDROLOGIC UNIT CODE (14diait) 05120108010010	
A/ AR	THE NOTICICATION DROCESS WITH IDEN AND THE CORDS	ATO THE EARSTING SUILS ARE SUPERIMPOSED IN THE FLAN
AO		VIEW UN INIS SHEET, MERASE REFER TO INIS SHEET FOR SUIL
	UT ENGINEERS FOR CONSTRUCTION ACTIVITIES ASSOCIATED	DESURIFIUNS AND LIMITATIONS. THERE ARE NO SEPTICS ON
10	WIN INS SHE DAVE COMMENCED.	INE STEL PAVEMENT UNDERUKAINS HAVE BEEN INVLUDED TU
АЭ		AUEQUATELT DRAIN THE PAYEMENT SUBBASE. DIVERSIONART
	VIA STUKM SEWER INFRASTRUCTURE TO UNSTE	SWALES ARE TO BE CONSTRUCTED AS NEEDED TO PREVENT
	DETENTION PUNUS, WHICH THEN DISCHARGE TO AN	PONDING

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LAT-40'29'18"N LONG-86'54'37"W	This sheet.
A6 REFER TO SHEETS C101 THROUGH C106.	A17 THE SITE HAS EXISTING ROW CROP STUBBLE.
A7 HYDROLOGIC UNIT CODE (14digit) 05120108010010	A18 THE EXISTING SOILS ARE SUPERIMPOSED IN THE PLAN
AB THE NOTIFICATION PROCESS WITH IDEM AND THE CORPS	NEW ON THIS SHEET. PLEASE REFER TO THIS SHEET FOR SOIL
OF ENGINEERS FOR CONSTRUCTION ACTIVITIES ASSOCIATED	DESCRIPTIONS AND LIMITATIONS. THERE ARE NO SEPTICS ON
WITH THIS SITE HAVE COMMENCED.	THE SITE. PAVEMENT UNDERDRAINS HAVE BEEN INCLUDED TO
A9 STORMWATER GENERATED FOR SEC-1 WILL BE ROUTED	ADEQUATELY DRAIN THE PAVEMENT SUBBASE. DIVERSIONARY
VIA STORM SEWER INFRASTRUCTURE TO ONSITE	SWALES ARE TO BE CONSTRUCTED AS NEEDED TO PREVENT
DETENTION PONDS, WHICH THEN DISCHARGE TO AN	PONDING.
UNNAMED TRIBUTARY. THE UNNAMED TRIBUTARY CONTINUES	A19 REFER TO SHEETS C101-C102 FOR LOCATION OF ONSITE SWALES
NORTH THROUGH AN EXISTING CULVERT UNDER C.R. 500	REFER TO C600 FOR LOCATION, SIZE AND
NORTH AND DISCHARGES INTO BURNETTS CREEK.	DIMENSIONS FOR STORM INFRASTRUCTURE.
A10 A WETLAND AND AN UNNAMED TRIBUTARY TO BURNETTS	REFER TO C801 FOR TYPICAL SWALE DETAIL.
CREEK HAVE BEEN IDENTIFIED ONSITE BY THE U.S. ARMY	A2D NO OFFSITE CONSTRUCTION ACTIVITIES ARE PLANNED.
CORP OF ENGINEERS AND ARE CONSIDERED	A21 A SOIL STOCKPILE WILL BE LOCATED IN THE NORTHEAST
to be "waters of the united states." These areas	CORNER OF THE SITE, REFER TO THIS SHEET FOR THE LOCATION
ARE CLEARLY IDENTIFIED ON THIS SHEET AND WILL BE	AND PRACTICE 3.02 ON SHEET C108 FOR MORE INFORMATION.
"ZERO IMPACT" EXCEPT FOR STREET CROSSINGS.	A22 EXISTING SITE TOPOGRAPHY IS INDICATED ON SHEETS
A11 RECEIVING WATERS ARE BURNETTS CREEK TO THE	B103-B106, C101-C102 AND C107.
WABASH RIVER.	A23 PROPOSED SITE TOPOGRAPHY IS INDICATED ON SHEETS
A12 NO POTENTIAL DISHCARGES TO GROUND WATER HAVE	C101-C102 AND C107.
BEEN IDENTIFIED.	





SWPPP Narrative (Construction Sequence Plan)

3. OVERALL EARTHWORK SHALL BEGIN THE SECOND WEEK OF CONSTRUCTION, INCLUDING STRIPPING TOPSOIL, PREPARING ROADWAY SUBGRADE, AND PREPARING BUILDING PADS. TEMPORARY SEED ALL DISTURBED AREAS IF CONSTRUCTION ACTIVITIES ARE NOT ANTICIPATED WITHIN TEN DAYS AFTER INITIAL DISTURBANCE. (THROUGHOUT THE DURATION OF THE PROJECT)

4. CONSTRUCTION OF STORM SEWER, SANITARY SEWER, WATERLINE, AND UTILITIES MAY BEGIN. INSTALL CURB INLET SEDIMENT BARRIERS UPON CONSTRUCTION OF INLETS. AN EXCAVATED DROP INLET SHALL BE PLACED UNTIL INLETS HAVE PAVEMENT AROUND THEM AND SEDIMENT BARRIERS CAN BE PLACED. (WITHIN ONE MONTH OF CONSTRUCTION)

6. THE TEMPORARY STONE CONSTRUCTION ENTRANCE SHALL BE REMOVED AND CONTRUCTION OF ROADWAYS SHALL BEGIN. (WITHIN ONE MONTH OF CONSTRUCTION)









- 5. ALL CONSTRUCTION ACTIVITIES ARE TO BE MONITORED AND MAINTAINED BY THE CONTRACTOR. AS EACH NEW SUBCONTRACTOR COMES ON-SITE, THE CONTRACTOR WILL CONDUCT AND DOCUMENT A MEETING TO ENSURE AWARENESS OF THE POLLUTANT PREVENTION PROGRAM. GUIDELINES FOR PROPER HANDLING, STORAGE AND DISPOSAL OF CONSTRUCTION SITE WASTES SHOULD BE POSTED IN STORAGE AND USE AREAS AND WORKERS SHOULD BE TRAINED IN THESE PRACTICES TO ENSURE EVERYONE IS KNOWLEDGEABLE ENOUGH TO PARTICIPATE.
- 6. CLEAN UP SPILLS IMMEDIATELY. FOR HAZARDOUS MATERIALS FOLLOW CLEANUP INSTRUCTIONS ON THE PACKAGE. USE ABSORBENT MATERIAL SUCH AS SAWDUST OR KITTY LITTER TO CONTAIN THE SPILL. PROPER SAFETY MATERIALS SHOULD BE STORED ON SITE IN CASE OF ACCIDENT OR SPILL WHICH SHOULD INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THAT PURPOSE. SPILL AREAS SHOULD BE WELL VENTILATED.















Recommendations:

The following steps will help reduce stormwater pollution from concrete wastes. - Discuss the concrete management techniques described in this BMP (such as handling of concrete waste and washout) with the ready-mix concrete supplier before any deliveries are made.

 Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.

- Store dry and wet materials under cover, away from drainage areas.

- Avoid mixing excess amount of fresh concrete.

- Perform washout of concrete trucks offsite or in designated areas only.

- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.

Do not allow excess concrete to be dumped onsite, except in designated areas.
 FOR ONSITE WASHOUT:

 Locate washout area so that it is most practical for the construction sequence and does not adversely affect the stormwater runoff.

- Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.

- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.

- Avoid creating runoff by draining water to a bermed or level area when washing concrete to remove fine particles and expose the aggregate.

 Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile or dispose in the trash.

CW/DDD	Plan (-		`			
SVVFFF Fläll (Typical Seeding Spec.)						
Practice 3.11-B						
Temporary Seeding Recommendations						
Sand Spaning#	Pate /acro	Planting death	Ontimum datas*1			
Wheat or rve	150 lbs	1 to 1-1/2 in	9/15 to 10/30			
Spring ogts	100 ibs	1 in.	3/1 to 4/15			
Annual ryeaross	40 lbs	1/4 in.	3/1 to 5/1			
· · · · · · · · · · · · · · · · · · ·			8/1 to 9/1			
Germon millet	40 lbs	1 to 2 in.	5/1 to 6/1			
	35 (bs	1 to 2 in.	5/1 to 7/30			
Sudangrass						
Sudangrass	av he used as a t	emporary cover especi	iolly if the area to t			

Practice 3.12-C Permanent Seeding Recommendations

This table provides several seeding options. Additional seed species and mixtures are available commercially. When selecting a mixture, consider site conditions, including soil properties (e.g., soil pH and drainage), slope aspect and the tolerance of each species to shade and droughtiness.

Seed species and mixtures	Rate per acre	Optimum soil pH				
OPEN AND DISTURBED AREAS (REMAINING IDLE FOR MORE THAN 1 YR.)						
1. Pernennial ryegrass	35 to 50 lbs	5.6 to 7.0				
+white or ladino clover*	1 to 2 lbs					
2. Kentucky bluegrass	20 lbs	5.5 to 7.5				
+smooth bromegrass	10 lbs					
+switchgrass	3 lbs					
+timothy	4 lbs					
+perennial ryegrass	10 lbs					
+white or ladino clover*	1 to 2 lbs					
3. Perennial ryegrass	15 to 30 lbs	5.6 to 7.0				
+tall fescue**	15 to 30 lbs					
 Toll fescue** 	35 to 50 lbs	5.5 to 7.5				
+ladino or white clover*	1 to 2 lbs					



CONSTRUCTION SEQUENCING – OVERALL DEVELOPMENT (cont.)

- 3. Cover or stabilize areas as soon as possible
- Time the construction activities to reduce the impacts from seasonal climatic changes (precipitation and temperature)
- 5. Stabilize upslope areas first to protect downslope areas from the source of potential erosion
- 6. Remove temporary silt fence perimeter protection and inlet protection measures after all upstream areas with the limits of disturbance are stabilized
- Most post-construction BMP measures cannot handle the sediment loads of unstabilized construction!







CONSTRUCTION SEQUENCING – INDIVIDUAL LOTS (Section 602.05)

Construction sequence on individual lots should be as follows:

- Clearly field-locate areas of trees, shrubs, and vegetation that are to be undisturbed. To prevent root damage, the areas delineated for tree protection should be at least the same diameter as the crown
- Install perimeter silt fence at construction limits.
 Position the fence to intercept runoff prior to entering drainage swales





- Install gravel construction entrance that extends from the street to the building pad
 - Perform primary grading operations



- Contain erosion from any soil stockpiles created on-site with silt fence around the base
- Establish temporary seeding and straw mulch on disturbed areas
- Construct the home and install utilities





- The developer is responsible for proper installation and maintenance of Construction BMPs
- A trained individual must perform a written evaluation of the project site on behalf of the developer by the end of the next business day following each measurable storm event (≥ 0.5 inch) or, at least, once a week
- The trained individual must complete an evaluation report for each inspection, and the developer must keep those reports in a neat and orderly log

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- Chapter 600 includes several sources to review for common and effective erosion and sediment control measures. These sources include:
 - References to use
 - Table 602-1, which lists some common and effective practices
 - Appendix 602-1, which includes construction BMP "Fact Sheets"



BMP Menu – SEDIMENT CONTROL

Sediment Control Measures

- Straw bales (Beware!)
- Sediment basins
- Silt fence barriers
- Level spreaders
- Inlet protection
- Outlet protection
- Vehicle tracking pad (construction entrance)
- Rock check dam
- Slope drains
- Temporary stream crossing
- Turbidity curtains



