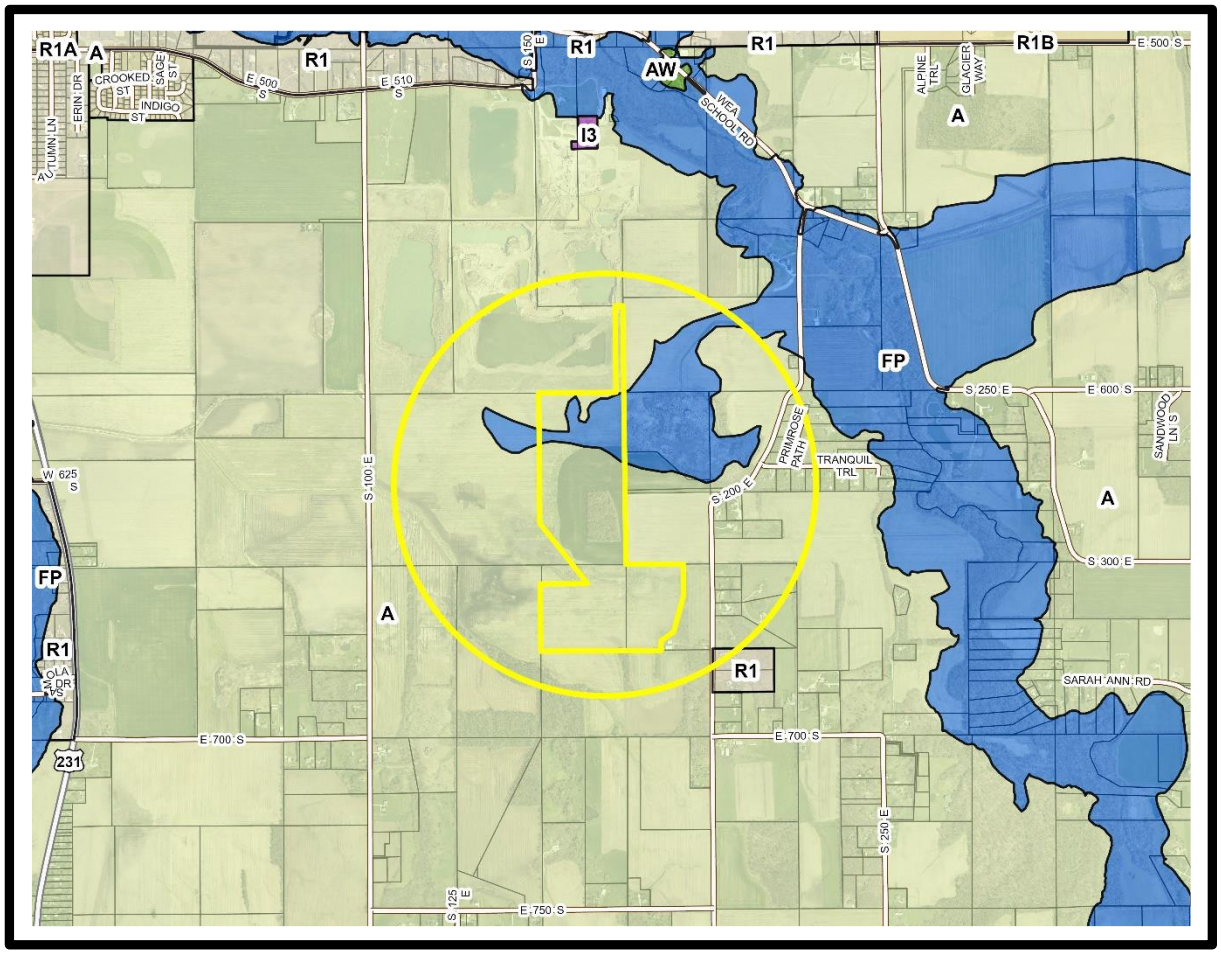
BZA-2039
PURDY O'NEALL FARM, LLC
(special exception)

STAFF REPORT
July 16, 2020



BZA-2039
PURDY O'NEALL FARM, LLC
Special Exception

Staff Report
July 16, 2020

REQUEST MADE, PROPOSED USE, LOCATION:

Petitioner, represented by attorney Daniel Teder and engineer Tim Balensiefer of TBird, is requesting a special exception to allow mining and quarrying of non-metallic minerals (SIC 14) for 140.09 acres adjacent to their existing operation (BZA-1920). The aggregate from this site will be transported by way of a conveyor belt to the existing operation (adjacent to the north) for processing and loading. The hours of operation will be dawn to dusk, seven days a week. This land is located about 1 mile south of CR 510 S between CR 100 E and CR 200 E, Wea 28-22-4.

AREA ZONING PATTERNS:

The property is mostly zoned A (Agricultural) and some FP (Flood Plain). Petitioner must certify land zoned FP as being above the Regulatory Flood Elevation prior to the public hearing because the UZO requires additional outside approvals for mining in the flood plain. Surrounding land is all zoned similarly. The mining operation adjoining on the north was originally approved in 2001 (BZA-1591 and 1920).

AREA LAND USE PATTERNS:

The area in this request is mostly farmland and some woods. Active mining is located immediately north; several large lot residences can be found about ½ mile east of the site along CR 200 E.

TRAFFIC AND TRANSPORTATION:

No trucks will enter or leave this site because all mined aggregate will be transported to petitioner's adjacent mining operation due north by way of a conveyor belt. Additionally, the truck traffic entering and leaving the adjacent site will not increase, as bound by the recorded commitment in 2006 which states that no more than 250 trucks may enter the site per day and no more than 250 trucks exiting the site per day (excluding personal use vehicles).

The extension of CR 600 S from Wea School Road to US 231 is a planned project in the 2045 Metropolitan Transportation Plan. The proposed road would border the north portion of the subject site. There is no date for the project and its priority is classified as low.

ENVIRONMENTAL AND UTILITY CONSIDERATIONS:

Bufferyards, setbacks, fencing and a reclamation plan are required of mining operations.

Petitioner has requested variances from the bufferyard, setback and fencing requirements (BZA-2040). The petition states that no water will be needed on this land because processing will occur at their existing operation adjacent to the north.

A small (.08 acre) wetland is shown on site and petitioner is working with IDNR to obtain a permit to allow its removal.

The submitted reclamation plan shows a resulting pond about 30 feet deep with the required slopes not to exceed 3:1.

STAFF COMMENTS:
Petitioner is requesting a special exception to allow the quarrying and mining of non-metallic minerals (gravel) on 136 acres adjacent to their existing mining operation. The end date of both the existing operation and the subject site is December 2040 (including reclamation). The aggregate from the subject site will be transported by a conveyor belt to the existing site for processing and loading. Four variances regarding bufferyards, setbacks and fencing have been requested for this proposed quarry (BZA-2040).

The submitted reclamation plan shows a pond approximately 30 feet deep. The required seeded slopes of the pond are shown not to exceed 3:1, meeting ordinance requirements. The reclamation plan states that "grading and backfill shall not contain noxious, flammable, nor combustible solids…Any overburden or excavated material that does not suit the operator's needs may be moved aside or left in place, but shall be leveled, graded and landscaped to blend into the surrounding area."

At its meeting on July 1st, the Executive Committee of the Area Plan Commission voted that granting this request would not substantially adversely affect the Comprehensive Plan.

Regarding the ballot items:

1. Section 3.1 of the Unified Zoning Ordinance **DOES** authorize a special exception for mining and quarrying of minerals (SIC 14) in the A zoning district.

And it is staff's opinion that:

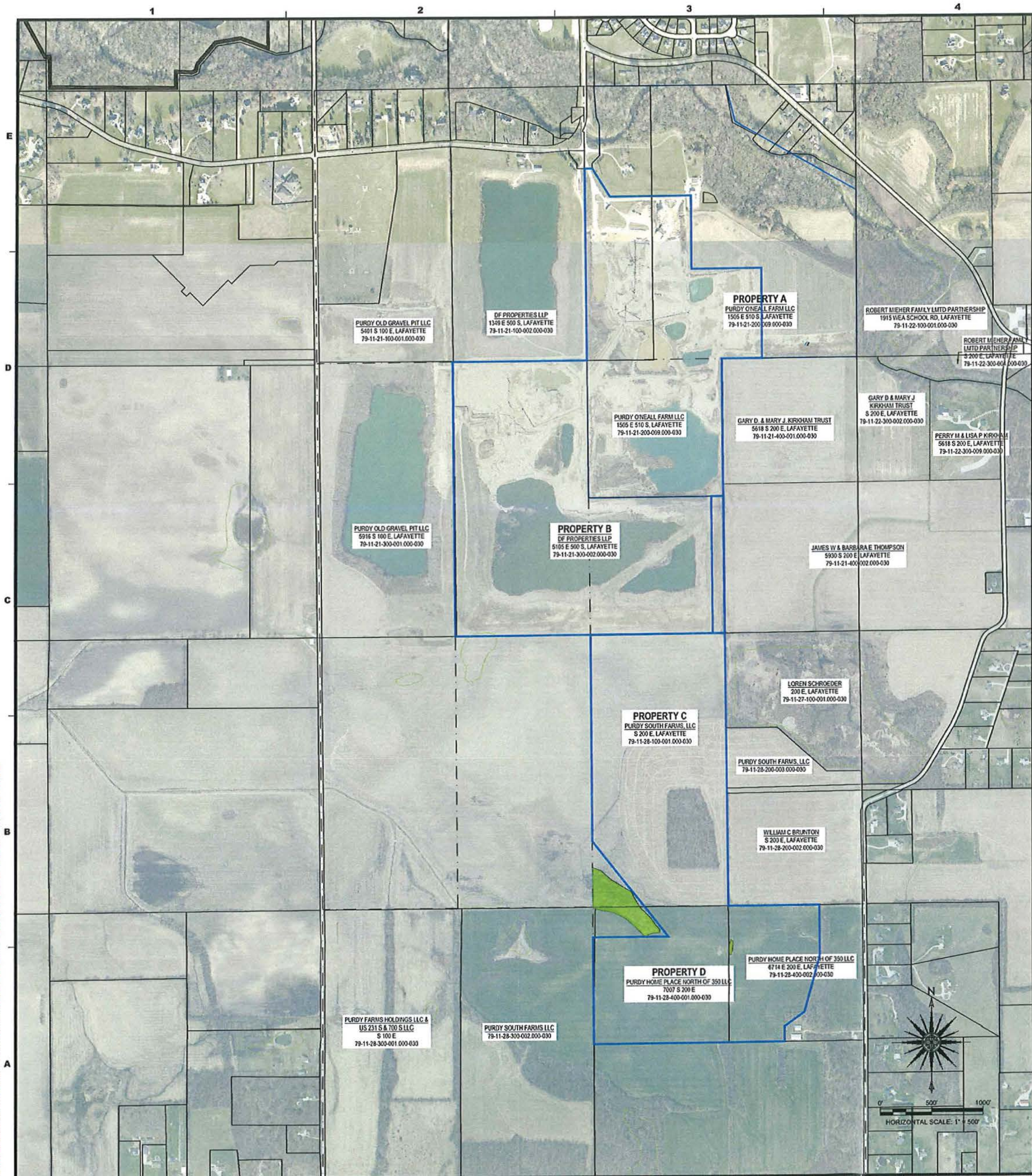
2. The requirements and development standards for the requested use as prescribed by the Unified Zoning Ordinance **WILL** be met, provided that the variances in BZA-2040 are approved and land in the petition zoned FP is certified above the Regulatory Flood prior to the hearing.
3. Because there have been multiple approved mining operations in this area for at least twenty-five years, granting the special exception **WILL NOT** subvert the general purposes served by the Ordinance.
4. Granting the special exception **WILL NOT** materially and permanently injure other property or uses in the same district and vicinity because of:

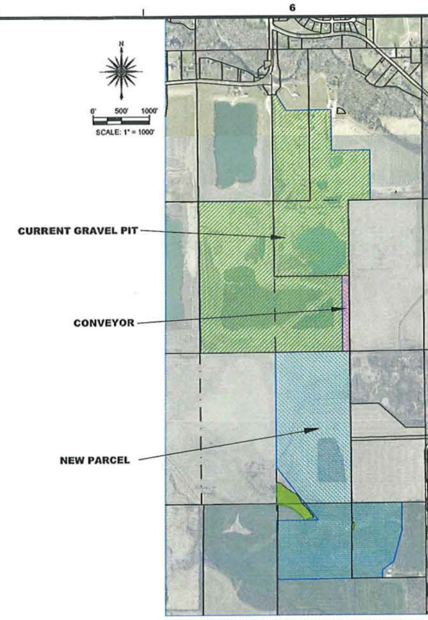
a. Traffic generation: No additional truck traffic will be generated from this use beyond what was approved for the adjacent operation to the north (BZA-1920).
b. Placement of outdoor lighting: 250-watt and 400-watt high-pressure sodium lights will be used but will not be fixed in place so that they can be moved to allow illumination of the areas being mined. The lights will always be directed away from the areas outside the property limits. Lights should seldom be needed because hours of operation are limited to dawn to dusk.
c. Noise production: Sources of noise will be from equipment that is not dissimilar to farm equipment used in the area. Berms, setbacks and wooded areas will aid in noise reduction. All processing of aggregate will be done off-site on petitioner's operation adjacent to the north.
d. Hours of operation: dawn to dusk, seven days a week are typical of this type of use.

STAFF RECOMMENDATION:
Approval with the following conditions:

1. All County Surveyor requirements, including IDEM approval and which may include Drainage Board approval, shall be met;
2. Per 4-11-1 c of the UZO, the reclamation plan must be recorded;
3. Petitioner must provide surety in favor of Tippecanoe County in the amount equal to $3000 per acres of land within the approved setbacks before seeking an Improvement Location Permit.
4. An approved permit from IDNR allowing the removal of the small wetland on-site.

Note: A special exception approval ceases to be valid if the use is not established within one year of the date that the special exception was granted.





ALL AGGREGATE PROCESSING AND SALES TO CONTINUE FROM THE CURRENT GRAVEL PIT

TBIRD Design Services Corporation
Engineering • Surveying
Environmental • Construction Management
105 North 10th Street • Lafayette, Indiana
(765) 742-1900 • info@tbirddesign.com
www.tbirddesign.com

CERTIFIED BY:

PURDY SOUTH GRAVEL PIT
PURDY MATERIALS, INC.
LAFAYETTE, INDIANA

MARK	DATE	DESCRIPTION

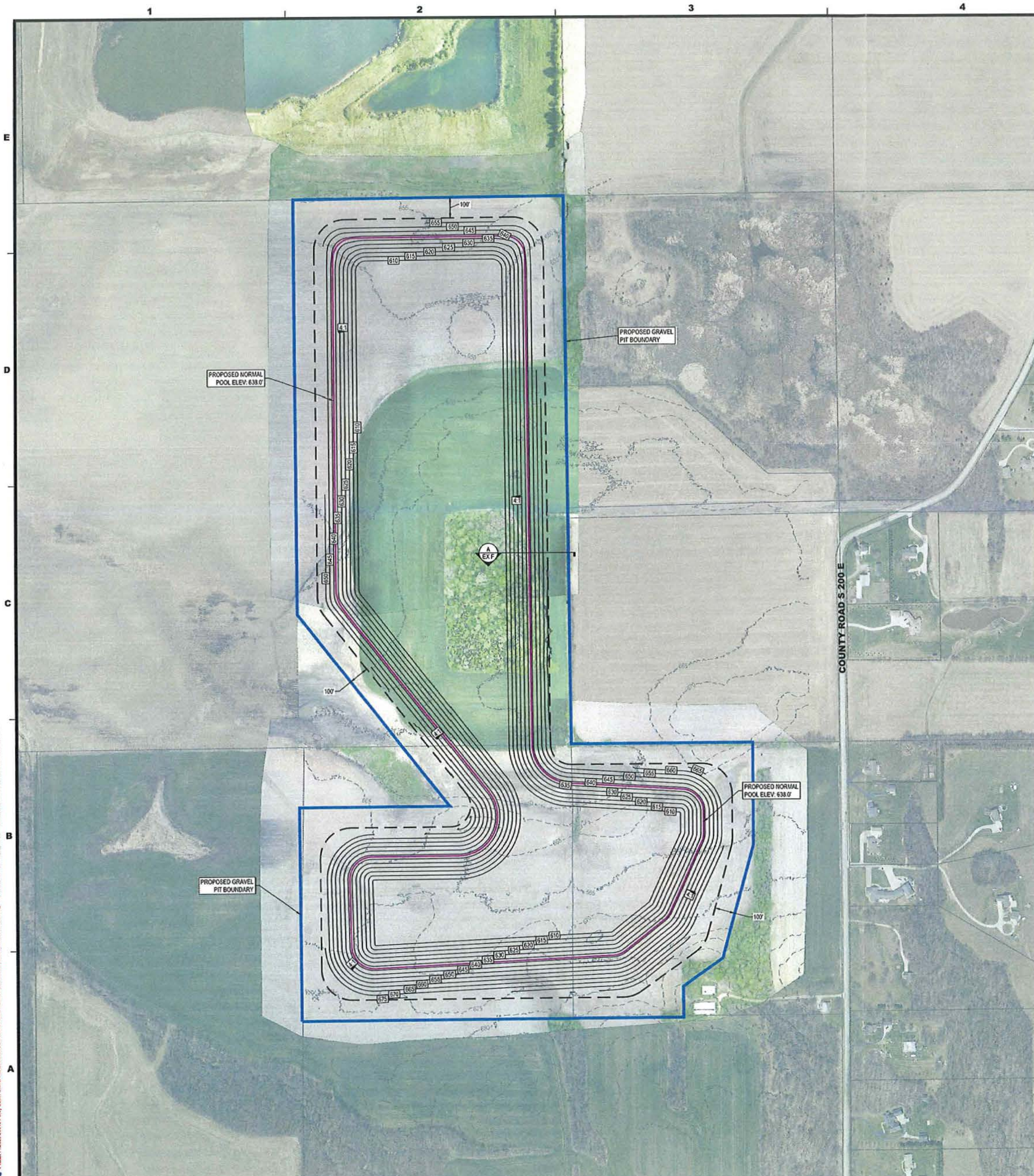
PROJECT NO:	—
FILE:	FUTURE PIT EXHIBIT.DWG
DRAWN BY:	—
CHECKED BY:	—

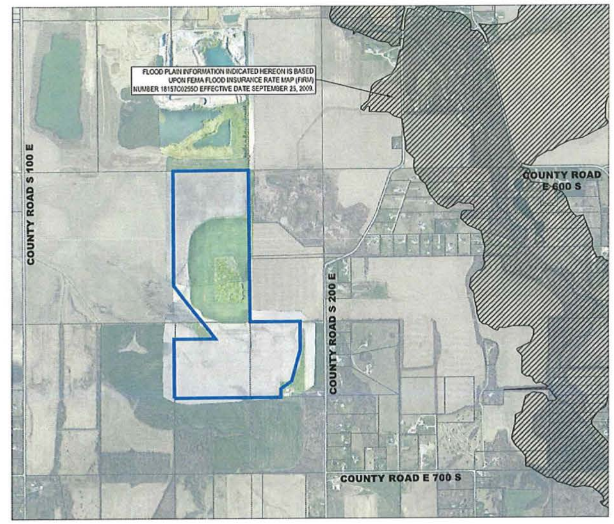
LOCATION:
A PART OF SECTIONS 21 & 28, TOWNSHIP 22 NORTH, RANGE 4 WEST, WEA TOWNSHIP, TIPPECANOE COUNTY, INDIANA

TITLE:
SITE EXHIBIT

EXHIBIT E

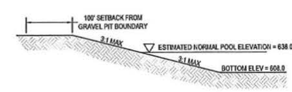
BZA- 2039





VICINITY MAP

SCALE: 1" = 1000'



(A) POND CROSS SECTION (TYP)
NTS

NOTES

1	GRADING AND BACKFILL SHALL NOT CONTAIN NOXIOUS, FLAMMABLE, NOR COMBUSTIBLE SOLIDS.
2	BACKFILLED AREA SHALL BE GRADED TO PRODUCE SAFE AND APPEALING SURFACES, DESIGNED TO MINIMIZE EROSION, AND BLEND WITH THE TERRAIN FEATURES OF THE SURROUNDING AREAS. GRADED SURFACE SHALL BE NO STEEPER THAN 3:1 HORIZONTAL TO VERTICAL.
3	ALL LAND SURFACES SHALL BE LANDSCAPED WITH GRASS OR OTHER GROUND COVER, SHRUBS, AND TREES.
4	ANY OVERBURDEN OR EXCAVATED MATERIAL THAT DOES NOT SUIT THE OPERATOR'S NEEDS MAY BE MOVED ASIDE OR LEFT IN PLACE, BUT SHALL BE LEVELED, GRADED, AND LANDSCAPED TO BLEND INTO THE SURROUNDING AREA.

TBIRD Design Services Corporation
Engineering • Surveying
Environmental • Construction Management

CERTIFIED BY:

PURDY SOUTH GRAVEL PIT
PURDY MATERIALS, INC.
LAFAYETTE, INDIANA

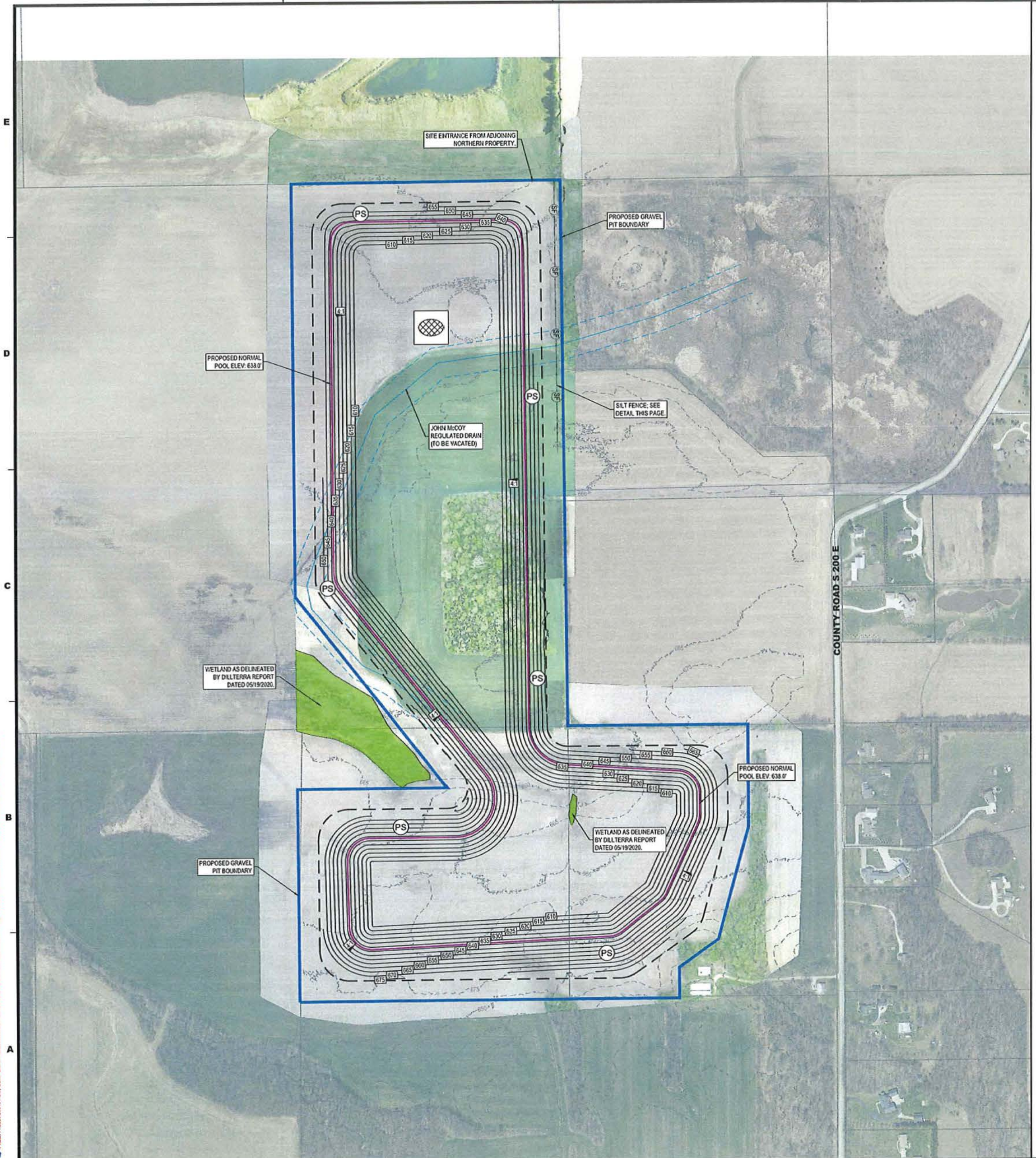
MARK	DATE	DESCRIPTION

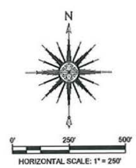
PROJECT NO: 20013
FILE: 20013-RECLAMATION PLAN.DWG
DRAWN BY: BMB
CHECKED BY: JRF
LOCATION:
A PART OF SECTIONS 21 & 28, TOWNSHIP 22 NORTH, RANGE 4 WEST, WEA TOWNSHIP, TIPPECANOE COUNTY, INDIANA

TITLE:
RECLAMATION PLAN

EXHIBIT F

BZA-2039





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.

OPEN AND DISTURBED AREAS (REMAINING IDLE MORE THAN 1 YR.)

SEED SPECIES AND MIXTURE	RATE PER ACRE	OPTIMUM SOIL pH
1. Perennial 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.	
4. Tall fescue**	35 to 50 lbs.	5.5 to 7.5
+ ladino or white clover*	1 to 2 lbs.	

* For best results: (a) legume seed should be inoculated; (b) seeding mixtures containing legumes should preferably be spring-seeded although the grass may be fall-seeded and the legume frost-seeded; and (c) if legumes are fall-seeded, do so early in fall.

STEEP BANKS AND CUTS, LOW MAINTENANCE AREAS (NOT MOWED)

SEED SPECIES AND MIXTURE	RATE PER ACRE	OPTIMUM SOIL pH
1. Smooth bromegrass	25 to 35 lbs.	5.5 to 7.5
+ red clover*	10 to 20 lbs.	
2. Tall fescue**	35 to 50 lbs.	5.5 to 7.5
+ white or ladino clover*	1 to 2 lbs.	
3. Tall fescue**	35 to 50 lbs.	5.5 to 7.5
+ red clover*	10 to 20 lbs	
4. Orchardgrass	20 to 30 lbs.	5.6 to 7.0
+ red clover*	10 to 20 lbs.	
+ ladino clover*	1 to 2 lbs.	

** Tall fescue provides little cover for, and may be toxic to, some species of wildlife. The IDNR recognizes the need for additional research on the alternatives to tall fescue, such as buffalograss, orchardgrass, smooth bromegrass, and switch-grass. This research, in conjunction with demonstration areas, should focus on erosion and control characteristics, wildlife toxicity, turf durability, and drought resistance.

INSTALLATION AND MAINTENANCE REQUIREMENTS:

1) Contractor shall roughen all disturbed surfaces by bulldozer cleats, disk, tiller, or other methods prior to seeding where vegetation will be established.

2) Topsoil shall be added to a depth needed for establishment of vegetation before permanent seeding.

3) Lime shall be applied to the soil when the pH level is unsuitable for seeding at a rate of 30 lbs. per 1000 square feet or as recommended by soil test.

4) Apply 14 lbs. per 1000 square feet of 12-12-12 fertilizer, or equivalent, or as recommended by soil test. Work fertilizer into soil 2 to 4 inches deep by disking or raking.

5) Permanent seeding will be permitted only from March 15 through October 31. Mulch or other approved means shall be used outside of these dates until the following year when permanent seeding will be required. Permanent seeding done between June 1 and August 31 shall be watered according to the following schedule: Once every twenty-four (24) hours for the first week, once every forty-eight (48) hours for the second week, once every seventy-two (72) hours for the third week, and once a week thereafter until completion of the project. The amount of watering shall be sufficient to saturate the upper few inches of the soil. During periods of ample rainfall, watering may be modified to simulate the above schedule.

6) Seed shall be applied uniformly with a drill or cultipacker-seeder or by broadcasting, and cover to a depth of 1/4 to 1/2 inch. If drilling or broadcasting, seedbed shall be firmed with a roller or cultipacker.

7) All permanently seeded areas shall be mulched and anchored by crimping or tackifying. If seeding is done with a hydroseeder, fertilizer and mulch can be applied with the seed in a slurry mixture.

8) An oat or wheat companion or nurse crop may be used with any of the permanent seeding mixtures at the following rates: Spring Oats--1/4 to 3/4 bu/acre; Wheat--no more than 1/2 bu/acre.

9) Additional seed species and mixtures that are commercially available may be used. Rates and mixtures shall be equivalent to those contained in the above chart.

10) If heavy rains occur during grass establishment causing erosion and loss of seed, fertilizer, etc., the affected area shall be reseeded immediately.

11) Sparse, bare, or damaged areas shall be refertilized, seeded, and mulched.

SEQUENCE

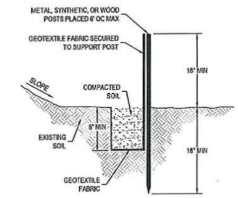
PRE-CONSTRUCTION ACTIVITIES:

1. CALL THE INDIANA UNDERGROUND PLANT PROTECTIONS SYSTEMS, INC. ("HOLEY MOLEY") AT PHONE NUMBER "811" TO CHECK THE LOCATION OF ANY EXISTING UTILITIES. THEY SHOULD BE NOTIFIED TWO WORKING DAYS BEFORE CONSTRUCTION TAKES PLACE.
2. A SILT FENCE SHALL BE INSTALLED AS SHOWN ON PLANS.
3. A CONSTRUCTION ENTRANCE LOCATION TO BE USED AS SHOWN ON THE PLANS.
4. ESTABLISH AREA FOR EQUIPMENT AND VEHICLES AS FAR FROM WATER BODIES AND SWALES AS POSSIBLE.
5. ESTABLISH ONSITE LOCATION FOR OWNER/OPERATOR/CONTRACTOR PLACEMENT OF APPROVED PLANS AND RULE 5 NOI AND RULE 5 INSPECTION DOCUMENTATION.

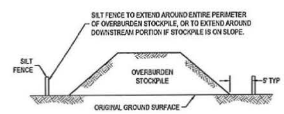
CONSTRUCTION ACTIVITIES:

THE PIT EXCAVATION AND MATERIAL EXTRACTION WILL BE CONDUCTED IN AN INCREMENTAL MANOR AND WILL GENERALLY BE PERFORMED ON THE SITE FROM SOUTH TO NORTH.

1. BEGINNING AT THE SOUTHERLY EXTENTS OF THE SITE, REMOVE AND STOCKPILE OVERBURDEN FROM THAT PORTION OF THE SITE CURRENTLY BEING EXCAVATED. OVERBURDEN STOCKPILE SHALL BE LOCATED ONSITE AND SHALL BE STABILIZED TO PREVENT SEDIMENT RUNOFF.
2. INSTALL AND ARRANGE MATERIAL CONVEYOR SYSTEM AS NECESSARY FOR LOCATION OF MATERIAL EXTRACTION.
3. CONDUCT EXCAVATION AND MATERIAL EXTRACTION. MATERIAL WILL BE EXCAVATED AND MOVED BY MECHANICAL CONVEYOR SYSTEM.
4. ONCE MATERIAL EXTRACTION IS COMPLETE FOR THAT PORTION OF THE SITE, USE OVERBURDEN STOCKPILE TO BACKFILL EXCAVATION AREAS AROUND PERIMETER OF EXCAVATION. THE BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE APPROVED RECLAMATION PLAN.
5. STABILIZE ALL BACKFILL AREAS WITH PERMANENT SEEDING AS SPECIFIED ON THIS PLAN.
6. REPEAT THE ABOVE SEQUENCE FOR EACH INCREMENTAL PORTION OF SITE BEING EXCAVATED, GENERALLY WORKING FROM SOUTH TO NORTH.



SILT FENCE
NTS



OVERBURDEN STOCKPILE
NTS

LEGEND

AREA OF PERMANENT SEEDING	(PS)
SILT FENCE	—(SF)—
TEMPORARY STOCK PILE LOCATION	[crosshatched symbol]

NOTES

THE NOI AND REQUIRED INFORMATION FOR THIS PROJECT MUST BE POSTED AS NOTED THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES UNTIL A NOTICE OF TERMINATION (NOT) HAS BEEN FILED.

ALL CONSTRUCTION ACTIVITY ALONG WITH ANY EROSION CONTROL AND STORM WATER QUALITY MEASURES INSTALLED SHALL BE AS DETAILED AND SPECIFIED IN THE CURRENT INDIANA STORM WATER QUALITY MANUAL. THE INDIANA STORM WATER QUALITY MANUAL, PUBLISHED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, IS HEREBY INCORPORATED INTO THE PROJECT DOCUMENTS BY REFERENCE.

TBIRD Design Services Corporation
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105 NORTH 10TH STREET • LAFAYETTE, INDIANA
(765) 742-1900 • info@tbirddesign.com
www.tbirddesign.com

CERTIFIED BY:

PURDY SOUTH GRAVEL PIT
PURDY MATERIALS, INC.
LAFAYETTE, INDIANA

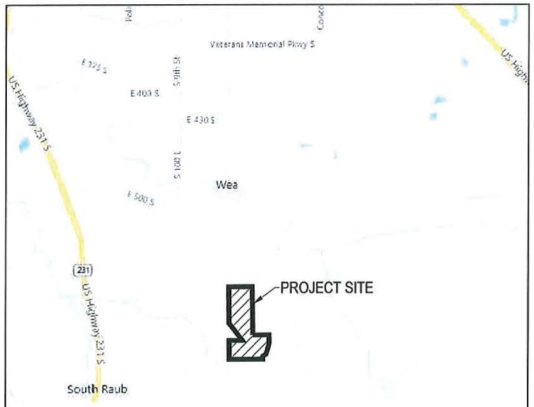
MARK	DATE	DESCRIPTION

PROJECT NO:	20013
FILE:	20013-SWPPP.DWG
DRAWN BY:	BMB
CHECKED BY:	JRF

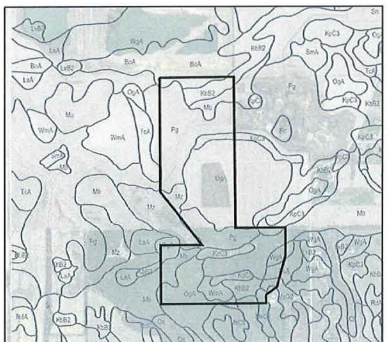
LOCATION:
A PART OF SECTIONS 21 & 28, TOWNSHIP 22 NORTH, RANGE 4 WEST, WEA TOWNSHIP, TIPPECANOE COUNTY, INDIANA

TITLE:
STORMWATER POLLUTION PREVENTION
OVERALL PLAN

BZA-2039



VICINITY MAP NTS



SOILS MAP NTS

SOIL MAP INDEX

KEY	NAME	SOIL GROUP
BoA	BOWES SILT LOAM, 0 TO 2 PERCENT SLOPES	B
KbB2	KALAMAZOO SILT LOAM, 2 TO 6 PERCENT SLOPES, ERODED	B
KpC3	KOSCIUSKO GRAVELLY SANDY CLAY LOAM, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED	B
Mb	MAHALASVILLE SILTY CLAY LOAM, GRAVELLY SUBSTRATUM	B/D
MsC2	MIAMI SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED	C
MsD2	MIAMI SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	C
Mz	MUSKEGO MUCK, DRAINED OgA - OCKLEY SILT LOAM, 0 TO 2 PERCENT SLOPES	A/D
Pg	PELLA SILTY CLAY LOAM, POTHOLE	B/D
TcA	HACKERY SILT LOAM, 0 TO 2 PERCENT SLOPES	C
WgA	WAUPECAN SILT LOAM, 0 TO 2 PERCENT SLOPES	B

STORMWATER POLLUTION PREVENTION PLAN

SECTION A
ASSESSMENT OF CONSTRUCTION PLAN ELEMENTS

A1 ***INDEX SHOWING LOCATIONS OF REQUIRED PLAN ELEMENTS***
INDEX HEREBY PROVIDED

A2 ***11 BY 17 INCH PLAT SHOWING BUILDING LOT NUMBERS/BOUNDARIES AND ROAD LAYOUT/NAMES***
PROVIDED BY PLOTTING THE CONSTRUCTION PLANS AT 50% SCALE

A3 ***NARRATIVE DESCRIBING THE NATURE AND PURPOSE OF THE PROJECT***
THE SUBJECT PROJECT IS A PROPOSED GRAVEL PIT. THE OVERALL EXCAVATION AREA DEPICTED IS APPROXIMATELY 100 ACRES.

A4 ***VICINITY MAP SHOWING PROJECT LOCATION***
VICINITY MAP LOCATED ON THIS SHEET.

A5 ***LEGAL DESCRIPTION OF THE PROJECT SITE***
THE SUBJECT PROJECT IS IN PART OF THE NORTHEAST QUARTER AND PART OF THE SOUTHEAST QUARTER OF SECTION 28, TOWNSHIP 22 NORTH, RANGE 4 WEST, WEA TOWNSHIP, TIPPECANOE COUNTY, INDIANA.
LONGITUDE: 86°52'19"W LATITUDE: 40°19'30"N

A6 ***LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS***
REFER TO SHEET PLAN FOR LOCATION OF ALL PROPOSED SITE IMPROVEMENTS.

A7 ***HYDROLOGIC UNIT CODE (14 DIGIT)***
05120108020060

A8 ***NOTATION OF ANY STATE OR FEDERAL WATER QUALITY PERMITS***
IDEM RULE 5 PERMIT REQUIRED, ONSITE WETLAND PERMIT/EXEMPTION.

A9 ***SPECIFIC POINTS WHERE STORMWATER DISCHARGE WILL LEAVE THE SITE***
THIS SITE WILL BE A EXCAVATED GRAVEL PIT AND SURFACE STORMWATER WILL NOT LEAVE THIS SITE.

A10 ***LOCATION AND NAME OF ALL WETLANDS, LAKES, AND WATER COURSES ON AND ADJACENT TO THE SITE***
JOHN MCCOY LEGAL DRAIN IS LOCATED ON THE SITE. JK ONEAL LEGAL DRAIN IS LOCATED ADJACENT TO THE SITE. WETLANDS ARE ON AND ADJACENT TO THE SITE AS DEPICTED ON THE PLAN.

A11 ***IDENTIFICATION OF ALL RECEIVING WATERS***
THIS SITE WILL BE A EXCAVATED GRAVEL PIT AND SURFACE STORMWATER WILL NOT LEAVE THIS SITE.

A12 ***IDENTIFICATION OF POTENTIAL DISCHARGES TO GROUND WATER***
THERE ARE NO KNOWN AREAS WHERE STORMWATER MAY BE POTENTIALLY DISCHARGED TO GROUNDWATER.

A13 ***100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES***
THERE ARE NO FLOODWAY OR FLOODPLAIN LIMITS LOCATED ON THE PROJECT SITE AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR TIPPECANOE COUNTY, INDIANA AND INCORPORATED AREAS, MAP NUMBER 18157C0234D, EFFECTIVE DATE SEPTEMBER 25, 2009 & MAP NUMBER 18157C0255E, REVISED DATE AUGUST 15, 2017.

A14 ***PRE-CONSTRUCTION AND POST CONSTRUCTION ESTIMATE OF PEAK DISCHARGE***

(SEE A9 ABOVE FOR DISCHARGE LOCATIONS)

	PRE-CONSTRUCTION 10YR (CFS)	POST-CONSTRUCTION 10YR (CFS)
SITE OUTLET:	100±	0.0

A15 ***ADJACENT LAND USE, INCLUDING UPSTREAM WATERSHED***
THE ADJACENT LAND USE TO THE NORTH IS AN ACTIVE GRAVEL PIT. ALL OTHER ADJACENT PROPERTY IS AGRICULTURAL.

A16 ***LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS***
THE LIMITS OF THE PROPOSED DISTURBED AREAS FOR CONSTRUCTION ARE DEPICTED ON THE OVERALL PLAN.

A17 ***IDENTIFICATION OF EXISTING VEGETATIVE COVER***
THE EXISTING VEGETATIVE COVER ON THIS PROJECT SITE CONSISTS OF FIELD CROPS.

A18 ***SOILS MAP INCLUDING SOIL DESCRIPTIONS AND LIMITATIONS***
REFER TO THIS SHEET.

A19 ***LOCATIONS, SIZES AND DIMENSIONS OF PROPOSED STORMWATER SYSTEMS***
THERE WILL BE NO PROPOSED STORMWATER SYSTEMS.

A20 ***PLANS FOR ANY OFF-SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT***
NO OFF-SITE CONSTRUCTION ACTIVITIES ARE PLANNED FOR THIS PROJECT.

A21 ***LOCATIONS OF PROPOSED SOIL STOCKPILES AND/OR BORROW/DISPOSAL AREAS***
STOCKPILES ARE PROPOSED AS DESCRIBED IN THE SEQUENCING ON THE OVERALL PLAN.

A22 ***EXISTING SITE TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS***
REFER TO THE OVERALL PLAN.

A23 ***PROPOSED FINAL TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS***
REFER TO THE OVERALL PLAN.

STORMWATER POLLUTION PREVENTION PLAN

AS REQUIRED BY TITLE 327, ARTICLE 15, RULE 5, SECTION 7 (B) (6) OF THE INDIANA ADMINISTRATIVE CODE:

THE PROJECT SITE OWNER/MANAGER SHALL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE PROJECT SITE. FOR LINEAR PROJECT SITES, SUCH AS A PIPELINE OR HIGHWAY, THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR THE PROJECT FIELD OFFICE. THE NOTICE MUST BE MAINTAINED IN A LEGIBLE CONDITION AND CONTAIN THE FOLLOWING INFORMATION:

- A COPY OF THE COMPLETED NOTICE OF INTENT (NOI) LETTER AND NPDES PERMIT NUMBER, WHERE APPLICABLE.
- NAME, COMPANY NAME, TELEPHONE NUMBER, E-MAIL ADDRESS AND ADDRESS OF THE SITE OWNER OR LOCAL CONTACT PERSON.
- THE LOCATION OF THE CONSTRUCTION DOCUMENTS IF THE SITE DOES NOT HAVE AN ON-SITE LOCATION TO STORE THE PLAN.

THE NOI AND REQUIRED INFORMATION FOR THIS PROJECT MUST BE POSTED AS NOTED THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES UNTIL A NOTICE OF TERMINATION (NOT) HAS BEEN FILED.

ALL CONSTRUCTION ACTIVITY ALONG WITH ANY EROSION CONTROL AND STORM WATER QUALITY MEASURES INSTALLED SHALL BE AS DETAILED AND SPECIFIED IN THE CURRENT INDIANA STORM WATER QUALITY MANUAL. THE INDIANA STORM WATER QUALITY MANUAL, PUBLISHED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, IS HEREBY INCORPORATED INTO THE PROJECT DOCUMENTS BY REFERENCE.

PERSON(S) RESPONSIBLE FOR EROSION & SEDIMENT CONTROL:

PURDY MATERIALS, INC.
CONTACT: JONNNE PURDY
3633 OLD US 231 SOUTH
LAFAYETTE, IN 47909
PHONE: 765-474-9611

SECTION B
STORMWATER POLLUTION PREVENTION PLAN - *CONSTRUCTION COMPONENT*

B1 ***DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES***
ERODED SOILS AND SEDIMENTS, OILS, GREASES, COOLANTS, PETROLEUM FUELS AND OTHER FLUIDS ASSOCIATED WITH THE OPERATION OF CONSTRUCTION MACHINERY, AND FERTILIZERS ASSOCIATED WITH SEEDING AND PLANTING. TEMPORARY EROSION CONTROL MEASURES WILL BE INSTALLED TO MINIMIZE ERODED SOILS FROM ENTERING STORMWATER.

B2 ***SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES***
A SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES IS PROVIDED ON THE OVERALL PLAN SHEET.

B3 ***STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS***
REFER TO THE OVERALL PLAN SHEET FOR THE LOCATION OF THE CONSTRUCTION ENTRANCE AS WELL AS A DETAIL AND SPECIFICATIONS.

B4 ***SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS***
REFER TO THE OVERALL PLAN FOR SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS.

B5 ***SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS***
THERE WILL BE NO CONCENTRATED FLOW AREAS RELATED TO THIS PROJECT.

B6 ***STORM SEWER INLET PROTECTION MEASURE LOCATIONS AND SPECIFICATIONS***
NO STORM SEWER IS PROPOSED FOR THIS PROJECT.

B7 ***RUNOFF CONTROL MEASURES***
THERE WILL BE NO STORMWATER RUNOFF FROM THIS PROJECT.

B8 ***STORM WATER OUTLET PROTECTION SPECIFICATIONS***
NO STORMWATER OUTLETS ARE PROPOSED FOR THIS PROJECT.

B9 ***GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS***
GRADE STABILIZATION STRUCTURES ARE NOT PROPOSED FOR THIS PROJECT.

B10 ***LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE***
REFER TO THE OVERALL PLAN FOR THE LOCATION OF THE PROPOSED PIT.

B11 ***TEMPORARY SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON***
REFER TO THE OVERALL PLAN.

B12 ***PERMANENT SURFACE STABILIZATION SPECIFICATIONS***
REFER TO THE OVERALL PLAN.

B13 ***MATERIAL HANDLING AND SPILL PREVENTION PLAN***

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

1. GOOD HOUSEKEEPING
A. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE AND DISPOSAL OF CONSTRUCTION MATERIALS
B. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION
C. ALL SUBSTANCES SHOULD BE USED ENTIRELY BEFORE DISPOSAL OF CONTAINER
D. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED IN THE PROPER CONTAINED AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
E. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
F. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2. HAZARDOUS PRODUCTS
A. ENVIRONMENTAL EMERGENCY CONTACT
TIPPECANOE EMERGENCY RESPONSE: 765-742-1334
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF LAND QUALITY, EMERGENCY RESPONSE SECTION: 1-888-233-7745
B. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
C. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

3. PRODUCT SPECIFIC PRACTICES
A. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
B. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
C. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
D. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE EXCEPT IN AREA AS DESIGNATED ON PLANS AND CONSTRUCTED BY CONTRACTOR.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

1. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
2. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND SAWDUST, LIQUID ABSORBER, GOGGLES AND TRASH CONTAINERS.
3. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE
4. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
5. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
6. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
7. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION AND CLEANUP PROCEDURES.
8. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS.

B14 ***MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE***
REFER TO OVERALL PLAN.

B15 ***EROSION & SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL LOTS***
NOT APPLICABLE FOR THIS PROJECT.

SECTION C
STORMWATER POLLUTION PREVENTION PLAN - *POST CONSTRUCTION COMPONENT*

C1 ***DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE***
FOLLOWING RECLAMATION OF THE GRAVEL PIT, THERE WILL BE LIMITED SOURCES OF POLLUTANTS.

C2 ***SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION***
REFER TO THE OVERALL PLAN.

C3 ***DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES***
THIS PROJECT IS A SEDIMENT BASIN WITHOUT DISCHARGE. NO OTHER POST CONSTRUCTION STORMWATER QUALITY MEASURES ARE PROPOSED.

C4 ***LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE***
REFER TO OVERALL PLAN.

C5 ***DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST CONSTRUCTION STORMWATER QUALITY MEASURES***
REFER TO OPERATIONS MANUAL.

Date: ____________________
Project: ____________________
Inspected by: ____________________
Type of Inspection: ☐ Scheduled Weekly ☐ Rain Event

CONSTRUCTION SITE INSPECTION AND MAINTENANCE LOG
(To be Completed by Property Owner or Agent)

All stormwater pollution prevention BMP's shall be inspected and maintained as needed to ensure continued performance of their intended function during construction and shall continue until the entire site has been stabilized and a Notice of Termination has been issued. An inspection of the project site must be completed by the end of the next business day following each measurable storm event. If there are no measurable storm events within a given week, the site should be monitored at least once in that week. Maintenance and repair shall be conducted in accordance with the approved site plans. This log shall be kept as a permanent record and must be made available to Tippecanoe County Drainage Board, in an organized fashion, within forty-eight (48) hours of a request.

Yes	No	N/A	
			1. Are all sediment control barriers, inlet protection and silt fences in place and functioning properly?
			2. Are all erodible slopes protected from erosion through the implementation of acceptable soil stabilization practices?
			3. Are all dewatering structures functioning properly?
			4. Are all discharge points free of any noticeable pollutant discharges?
			5. Are all discharge points free of any noticeable erosion or sediment transport?
			6. Are designated equipment washout areas properly sited, clearly marked, and being utilized?
			7. Are construction staging and parking areas restricted to areas designated as such on the plans?
			8. Are temporary soil stockpiles in approved areas and properly protected?
			9. Are construction entrances properly installed and being used and maintained?
			10. Are "Do Not Disturb" areas designated on plan sheets clearly marked on-site and avoided?
			11. Are public roads at intersections with site access roads being kept clear of sediment, debris, and mud?
			12. Is spill response equipment on-site, logically located, and easily accessed in an emergency?
			13. Are emergency response procedures and contact information clearly posted?
			14. Is solid waste properly contained?
			15. Is a stable access provided to the solid waste storage and pick-up area?
			16. Are hazardous materials, waste or otherwise, being properly handled and stored?
			17. Have previously recommended corrective actions been implemented?

If you answered "no" to any of the above questions, describe any corrective action which must be taken to remedy the problem and when the corrective actions are to be completed.

TBIRD Design Services Corporation
Engineering • Surveying
Environmental • Construction Management

CERTIFIED BY:

PURDY SOUTH GRAVEL PIT
PURDY MATERIALS, INC.
LAFAYETTE, INDIANA

MARK	DATE	DESCRIPTION

PROJECT NO: 20013
FILE: 20013-SWPPP SPECIFICATIONS.DWG
DRAWN BY: JRF
CHECKED BY: —
LOCATION: A PART OF SECTIONS 21 & 28, TOWNSHIP 22 NORTH, RANGE 4 WEST, WEA TOWNSHIP, TIPPECANOE COUNTY, INDIANA

TITLE: **STORMWATER POLLUTION PREVENTION PLAN**
SPECIFICATIONS

BZA-2039