

**POST BID  
ADDENDUM  
NO. 5**

**August 09, 2022**

**Additions and Renovations to Edgewood Intermediate School  
7620 E Edgewood Ave.  
Indianapolis, IN, 46239**

**TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated May 23, 2022, by Gibraltar Design (Architect). Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 5 - 1 and attached Gibraltar Design Addendum No. 5, dated August 9, 2022, consisting of 1 page (AD.05-1) and Drawing Sheets: C-100, C-101, C-102, C-103, C-104, C-107, and C-108.

**GENERAL NOTE**

**Combination Bids:** Combination Bids will not be accepted if individual bids for each Bid Category are not provided with the Combination Bid.

**Below is the link for the Optional Virtual Bid Opening, which Bids are due August 16, at 2:00PM (local time)**

**Microsoft Teams meeting**

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 317-762-3960,,972016988#](#) United States, Indianapolis

Phone Conference ID: 972 016 988#

**Pre-Award Conferences Schedule**

- BC01 – General Trades (8/17/2022 @ 10:00AM – Local Time)
- BC12 – Site Demolition, Earthwork, & Site Utilities (8/17/2022 @ 11:00AM – Local Time)

## ADDENDUM FIVE

**Addendum Five (AD.05)** to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Edgewood Intermediate School Additions and Renovations [REBID General Trades]** for Franklin Township Community School Corporation, Indianapolis, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum, and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One, Addendum Two, Addendum Three, Addendum Four, and include the appropriate content of same within their bid proposal.

## SPECIFICATIONS

### 1. Specification Section 03 30 00

#### Concrete

- A. W. R. Meadows, Inc. is hereby approved to bid LIQUI-HARD, liquid densifier sealer and 1100, for concrete curing compound for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.

### 2. Specification Section 03 30 00

#### Concrete

- A. AVECS is hereby approved to bid PRO-ACT MVRA for moisture vapor reduction admixture for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.

## DRAWINGS

### 1. Sheet C-100, C-101, C-102, C-103, C-104, C-107, and C-108

- A. Refer to Seven (7) revised full size drawings, included in this Addendum, for revisions.

Pages 1 inclusive, and Seven (7) Full-Size Drawings constitute the total makeup of **Addendum Five**.

  
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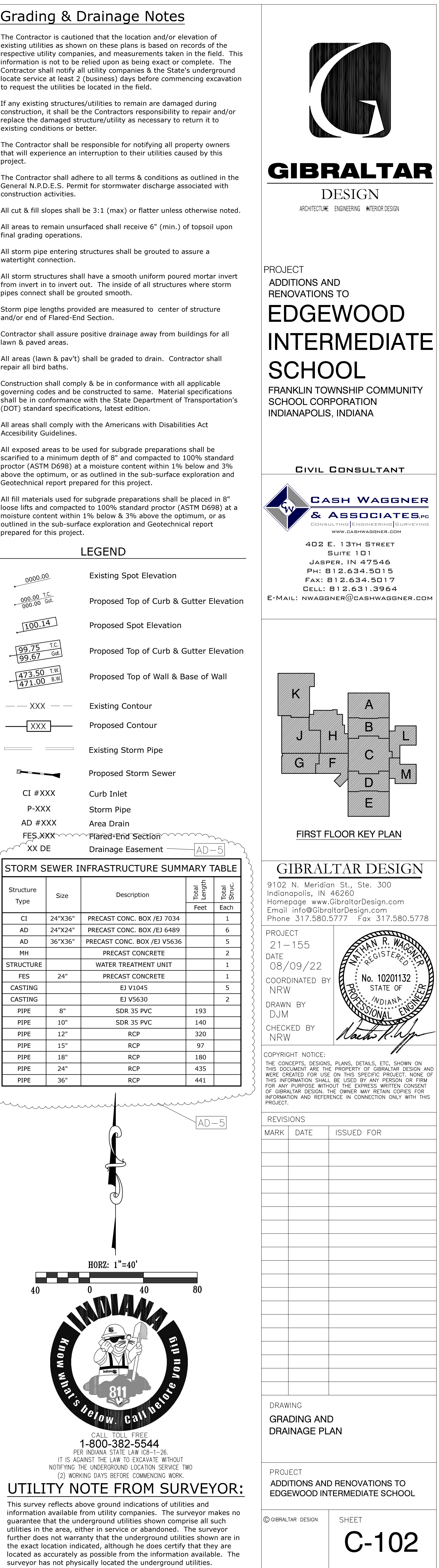








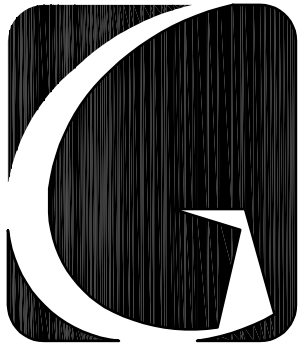










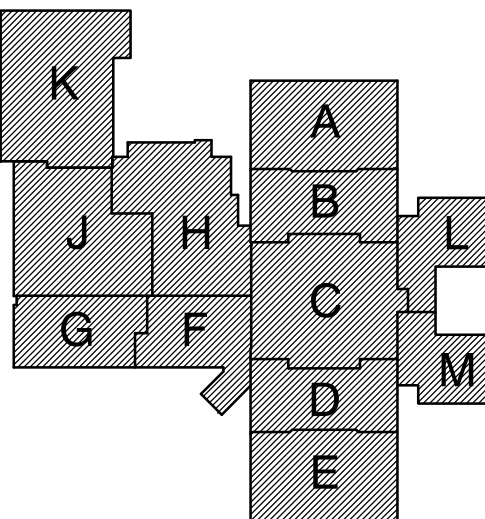


# GIBALTAR

DESIGN  
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT  
ADDITIONS AND  
RENOVATIONS TO  
**EDGEWOOD  
INTERMEDIATE  
SCHOOL**  
FRANKLIN TOWNSHIP COMMUNITY  
SCHOOL CORPORATION  
INDIANAPOLIS, INDIANA

CIVIL CONSULTANT  
**CASH WAGNER  
& ASSOCIATES, P.C.**  
CONSULTING ENGINEERS & SURVEYORS  
WWW.CASHWAGNER.COM  
402 E. 13TH STREET  
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FIRST FLOOR KEY PLAN

**GIBALTAR DESIGN**  
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Indianapolis, IN 46260  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT  
21-155  
DATE  
08/09/22  
COORDINATED BY  
NRW  
DRAWN BY  
DJM  
CHECKED BY  
NRW

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REVISIONS		
MARK	DATE	ISSUED FOR

EROSION  
CONTROL  
NARRATIVE

PROJECT  
ADDITIONS AND RENOVATIONS TO  
EDGEWOOD INTERMEDIATE SCHOOL

## CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN (SWP3) NARRATIVE

A1. PLAN INDEX	LOCATION
A. CONSTRUCTION PLAN ELEMENTS	
A1. Index of the location of required plan elements in the construction plan:	THIS SHEET
A2. A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads:	THIS SHEET
A3. Narrative of the nature and purpose of the project:	THIS SHEET
A4. Latitude and longitude to the nearest fifteen (15) seconds:	THIS SHEET
A5. Legal description of the project site:	ATTACHMENTS
A6. 11 X 17-inch plot showing building lot numbers/boundaries and road layout/names:	ATTACHMENTS
A7. Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways:	THIS SHEET
A8. Land use of all adjacent properties:	THIS SHEET
A9. Identification of a U.S. EPA approved or established TMDL:	THIS SHEET
A10. Name(s) of the receiving water(s):	THIS SHEET
A11. Identification of discharges to a water on the current 303(d) list of impaired waters and the pollutant(s) for which it is impaired:	THIS SHEET
A12. Soils map of the predominate soil types:	THIS SHEET
A13. Identification and location of all known wetlands, lakes, and water courses on or adjacent to the project site:	THIS SHEET & ATTACHMENTS
A14. Identification of any other state or federal water quality permits or authorizations that are required for construction activities:	THIS SHEET & ATTACHMENTS
A15. Identification and delineation of existing cover, including natural buffers:	THIS SHEET
A16. Existing site topography at an interval appropriate to indicate drainage patterns:	THIS SHEET & C-103
A17. Location(s) where run-off enters the project site:	THIS SHEET
A18. Location(s) where run-off discharges from the project site prior to land disturbance:	THIS SHEET & ATTACHMENTS
A19. Location of all existing structures on the project site:	SHEET C-103
A20. Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management:	THIS SHEET
A21. Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features:	THIS SHEET & C-103
A22. Size of the project area expressed in acres:	SHEET C-103
A23. Total expected land disturbance expressed in acres:	SHEET C-103
A24. Proposed final topography:	SHEET C-103
A25. Locations and approximate boundaries of all disturbed areas:	SHEET C-103
A26. Locations, size, and dimensions of all stormwater drainage system such as culverts, stormwater sewer, and conveyance channels:	SHEET C-103
A27. Locations of specific points where stormwater and non-stormwater discharges will leave the project site:	THIS SHEET
A28. Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas:	THIS SHEET
A29. Location of all on-site and off-site soil stockpiles and borrow areas:	SHEET C-103
A30. Construction support activities that are expected to be part of the project:	SHEET C-103
A31. Location of any in-stream activities that are planned for the project including, but not limited to, stream crossings and pump grounds:	SHEET C-103

B. STORMWATER POLLUTION PREVENTION PLAN:	LOCATION
B1. Description of the potential pollutant generating sources and pollutants, including all potential non-stormwater discharges:	THIS SHEET
B2. Stable construction entrance locations and specifications:	THIS SHEET
B3. Specifications for temporary and permanent stabilization:	THIS SHEET
B4. Sediment control measures for concentrated flow areas:	THIS SHEET
B5. Sediment control measures for concentrated flow areas:	THIS SHEET
B6. Run-off control measures:	THIS SHEET
B7. Stormwater outlet protection location and specifications:	THIS SHEET
B8. Grade stabilization structure locations and specifications:	THIS SHEET
B9. Dewatering applications and management methods:	THIS SHEET
B10. Measures utilized for work within waterbodies:	THIS SHEET
B11. Maintenance guidelines for each proposed stormwater quality measure:	THIS SHEET
B12. Planned construction sequence that describes the implementation of stormwater quality measures in relation to land disturbance:	THIS SHEET
B13. Provisions for erosion and sediment control on individual residential building lots regulated under the proposed project:	THIS SHEET
B14. Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2-6.1:	THIS SHEET
B15. Material handling and storage procedures associated with construction activity:	THIS SHEET

C. POST CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN:	LOCATION
C1. Description of pollutants and their sources associated with the proposed land use:	THIS SHEET
C2. Description of proposed post-construction stormwater measures:	THIS SHEET
C3. Plan details for each stormwater measures:	THIS SHEET
C4. Sequence describing stormwater measure implementation:	THIS SHEET, C-103 & C-105
C5. Maintenance guidelines for proposed post-construction stormwater measures:	THIS SHEET
C6. Entity that will be responsible for operation and maintenance of the post-construction stormwater measures:	THIS SHEET

A. CONSTRUCTION PLAN COMPONENTS
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Seed Species *	Rate/acre	Planting depth	Optimum dates **
Wheat or Rye	150 lbs.	1 to 1 1/2 in.	9/15 to 10/30
Spring Oats	100 lbs.	1 in.	3/1 to 4/15
Annual Ryegrass	40 lbs.	1/4 in.	3/1 to 5/1
German Millet	40 lbs.	1 to 2 in.	5/1 to 6/1
Sudangrass	35 lbs.	1 to 2 in.	5/1 to 7/30
Buckwheat	60 lbs.	1 to 2 in.	4/15 to 6/1
Corn (braodcast)	300 lbs.	1 to 2 in.	5/1 to 8/10
Sorghum	25 lbs.	1 to 2 in.	5/1 to 7/15

* Perennial species may be used as a temporary cover, especially if the areas to be seeded will remain idle for more than 1 year.
** Seeding done outside the optimum seeding dates increases the chances of seedling failure. Dates may be extended or shortened based on the location of the project site within the state.
- The seed bed shall be prepared by applying 400-600 lbs per acre of 12-12-12 fertilizer and working 2-4 inches into the soil and mulching material applied at the rate of 2 tons per acre.
- Dormant & Frost Seeding should be utilized for seeding when temperatures are too low for germination to occur.
- The Contractor shall fertilize, seed and mulch all disturbed areas when final grading and land disturbing operations are complete. Seeding requirements shall be in accordance with Table 1, shown to the left.
- The seed bed shall be prepared by applying 400-600 lbs per acre of 12-12-12 fertilizer and working 2-4 inches into the soil and apply straw/hay mulch at the rate of 2 tons per acre.
- Optimum dates for permanent seeding are March 1 - May 10 and August 10 - September 30.
- Temporary seeding should be considered between May 10 and August 10.
- Dormant & Frost Seeding should be utilized when temperatures are too low for germination to occur, October 1 - May 9.

54. Sediment control measures for concentrated flow areas:
- Contractor shall minimize the creation of concentrated flow areas except for any proposed swales, which will have permanent seeding and energy dissipators applied immediately. If areas of concentrated flow are encountered, contractor shall install check dams, erosion control blankets or other appropriate measures to aid in establishment of vegetation.
55. Sediment control measures for sheet flow areas:
- Existing vegetated areas beyond the grading limits shall remain undisturbed for as long as possible.
- Silt fence shall be used below all potential sediment producing areas. Refer to Erosion Control Plan drawing, sheet C-103, for suggested and required locations.
56. Run-off control measures:
- The existing detention basins will control runoff during construction.
- Silt fence and undisturbed vegetation will also serve to control runoff.
57. Stormwater outlet protection location and specifications:
- An energy dissipater shall be installed at all pipe discharges to reduce the velocity of the storm water runoff.
58. Grade stabilization structure locations and specifications:
- Permanent seeding and erosion control blankets/mulching shall be placed immediately following final grading and when all land disturbing operations are complete.
59. Dewatering applications and management methods:
- Refer to the Erosion Control Plan drawing, Sheet C-103, for locations of respective control measures.
- Dimensions, Specifications, and details of the measures are depicted on Sheet C-103 and this sheet.
- Additional information can be found in Chapter 7 of the Indiana Stormwater Quality Manual (The Manual).
- Other practices which may be implemented shall be utilized and installed in accordance with the manufacturer's instructions.
610. Measures utilized for work within waterbodies:
- None required for this project.
611. Maintenance guidelines for each proposed stormwater quality measure:
- All stormwater quality measures shall be inspected and maintained in accordance with its respective manufacturer's recommendations and as outlined herein.
- A self-monitoring program that includes the following must be implemented, by the operating Contractor.
- A trained individual shall perform a written evaluation of the project site:
- * By the end of the next business day following each 1/2-inch storm event; and
- * at a minimum of one time per week.
- The evaluation must address:
- * The maintenance of existing stormwater quality measures to ensure they are functioning properly; and
- * Identify additional measures necessary to remain in compliance with all applicable statutes and rules.
- Written evaluation reports must include:
- * The name of the individual performing the evaluation;
- * The date of the evaluation;
- * Problems identified at the project site; and
- * Details of corrective actions recommended and completed.
612. Planned construction sequence that describes the implementation of stormwater quality measures in relation to land disturbance:

CONSTRUCTION SEQUENCE FOR EROSION & SEDIMENT CONTROL	
CONSTRUCTION PHASE (SPECIFIC ACTIVITIES OR EROSION CONTROL PRACTICES)	CONSTRUCTION SCHEDULE CONSIDERATIONS
PRE-CONSTRUCTION ACTIONS ** (EVALUATION/PROTECTION OF IMPORTANT SITE CHARACTERISTICS)	PRE-CONSTRUCTION CONFERENCE** BEFORE CONSTRUCTION, EVALUATE, MARK, AND PROTECT TREES AND VEGETATED AREAS TO BE UTILIZED, ESPECIALLY IN PERIMETER AREAS. INSTALL GRADE SAFETY FENCE WITH POSTS AROUND ALL TREES TO BE PRESERVED AND PROTECTED.
INSTALL PERIMETER BMPs * (CONSTRUCTION EXITS, FILTER STRIPS, SILT FENCE, INSUFFICIENT PROTECTION OF EQUIPMENT PARKING AREA)	INSTALL SILT FENCE ALONG THE EDGE OF ALLEY & PARKING AS NEEDED AS DEMOLITION PROGRESSES. UTILIZE EXISTING ASPHALT DRIVEWAY/DRIVEWAYS AND EQUIPMENT PARKING AREA. INSTALL INLET PROTECTION AROUND EXISTING INLETS AS SHOWN.
PREPARE SITE FOR CONSTRUCTION *	REMOVE ALL CONTAMINATED SOILS AND DEBRIS TO BE PROTECTED. IF STOCKPILING TOPSOIL, IMMEDIATELY TEMPORARILY SEED AND INSTALL SEDIMENT BARRIERS AROUND THE PERIMETER.
SOIL STOCKPILES	AREAS OUTSIDE THE IMMEDIATE WORK AREA SHALL REMAIN UNDISTURBED FOR AS LONG AS PRACTICAL. INSTALL ADDITIONAL RUNOFF CONTROL MEASURES DURING GRADING AS NEEDED.
RUNOFF CONTROL *	INSTALL INLET PROTECTION AT THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AT ALL EXISTING STRUCTURES.
RUNOFF CONVEYANCE SYSTEMS *	BEGIN MAJOR GRADING AFTER INSTALLING THE KEY SEDIMENT AND RUNOFF CONTROL MEASURES. INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES.
LAND CLEARING AND GRADING *	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETED THROUGHOUT THE PROJECT DURATION.
SURFACE STABILIZATION *	INSTALL BUILDING, UTILITIES, AND DRIVEWAYS.
LANDSCAPING AND FINAL STABILIZATION *	INSTALL CONCRETE WASHOUT BASIN BEFORE CONSTRUCTION.
(TPOILING, TREES, AND SHRUBS, PERMANENT SEEDING, RESEEDING, SOILING, ROY-RAP)	STABILIZE ALL OPEN AREAS INCLUDING ROBBY AND SPOT AREAS. REMOVE TEMPORARY CONTROL MEASURES AND BARRIERS.
MAINTENANCE -- (INSPECT PRACTICES AT LEAST ONCE A WEEK, & (2) MAKE REPAIRS IMMEDIATELY AFTER PERIODS OF RAINFALL. PRE-CONSTRUCTION CONFERENCE -- A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD AT LEAST 48 HOURS BEFORE ANY LAND DISTURBING ACTIVITY TAKE PLACE AT THE SITE. CONTACT M&L NEVLS, RULE 5, TECHNICAL 9-765-452-2114 FAX 2468.	

B13. Provisions for erosion and sediment control on individual residential building lots regulated under the proposed project:
- Not applicable for this project.
B14. Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2-6.1:
- The Contractor shall notify the Indiana Department of Environmental Management (1.800.233.7745) when spills occur and threaten water quality due to storm water runoff.
- All materials used on-site shall be stored in an orderly manner and approved containers. Materials shall be kept in their original packaging with the manufacturer's labels until ready for installation.
- All materials shall be used, installed and disposed of in accordance with its manufacturer's instructions and as required by governing agencies.
- The Contractor shall utilize re-sealable containers when storing unused materials susceptible to spillage.
- The Contractor shall keep manufacturer's labels and Material Safety Data Sheets (MSDS) on site.
- The Contractor shall monitor equipment and their parking areas for leaks.
B15. Material handling and storage procedures associated with construction activity:
- All stormwater quality measures shall be inspected and maintained in accordance with its respective manufacturer's recommendations and the Indiana Storm Water Quality Manual.
- A self-monitoring program that includes the following must be implemented, by the Contractor:
- A trained individual shall perform a written evaluation of the project site:
- * By the end of the next business day following each 1/2-inch storm event; and
- * at a minimum of one time per week.
- The evaluation must address:
- * The maintenance of existing stormwater quality measures to ensure they are functioning properly; and
- * Identify additional measures necessary to remain in compliance with all applicable statutes and rules.
- Written evaluation reports must include:
- * The name of the individual performing the evaluation;
- * The date of the evaluation;
- * Problems identified at the project site; and
- * Details of corrective actions recommended and completed.

C. STORMWATER POLLUTION PREVENTION PLAN - POST CONSTRUCTION COMPONENT
C1. Description of pollutants and their sources associated with the proposed land use:
- Oil, grease, antifreeze, brake fluid, brake dust, rubber fragments, gasoline, diesel fuel, other hydrocarbons and metals from vehicular sources.
- Erosion (sediment) from wear of the road surface and falling off vehicular sources.
- Trash, bacteria and biological agents in trash, from littering or improper disposal or storage.
- Pesticides, herbicides and fertilizers from lawn/landscaping maintenance applications.
- Elevated receiving water temperatures from stormwater runoff contact with impervious surfaces.
C2. Description of proposed post-construction stormwater measures:
- The Owner shall monitor the pavement for pollutants deposited from vehicular sources.
- The Owner shall use approved absorption materials to clean up such hydrocarbon pollutants.
- The Owner shall periodically monitor the site for trash, debris, and grit deposited on site.
- The Owner shall pick up debris and sweep the parking lot and dispose of in an approved manner.
- The Owner shall minimize lawn/landscaping chemical applications.
- Parking lots graded to sheet flow directly to detention basins via vegetated swales and/or filter strips, or to flow to area drains and conveyed to detention basins via storm sewers.
- The detention basin has been designed to allow sediment in the runoff entering the basin time to settle out prior to being discharged.
- The existing & proposed vegetated areas beyond the proposed pavement will cause infiltration of runoff and trap pollutants before they leave the site.
- The vegetated swales and detention basin will be utilized to filter pollutants, reduce runoff velocities, and help lower the temperature of the runoff before it reaches the receiving water.

C3. Plan details for each stormwater measure:
- Refer to the Sheet C-103 for the locations of the respective control measures. Dimensions, specifications and details of the measures are depicted on Sheets C-105. Other practices which may be implemented shall be utilized and installed in accordance with the manufacturer's instructions.
C4. Sequence describing stormwater measure implementation:
- Site monitoring for trash, debris, and deposited pollutants shall be a daily routine.
- The use of vegetated filters around the exterior of the site are existing and will remain a permanent aspect of the site.
- Absorption materials used to clean up hydrocarbon puddles shall be approved by the EPA.
- Disposal of all trash, debris, and pollutants shall be in a manner approved by their respective governmental agencies.
- Once the site is stabilized and vegetation is established, all temporary erosion control measures may be removed including the rock dam in the detention basin. The restricted discharge of the detention basin will aid in sediment settling/removal after the project is complete.
C5. Maintenance guidelines for proposed post-construction stormwater measures:
- Site monitoring for trash, debris, and deposited pollutants shall be a daily routine and shall be the responsibility of the Owner upon stabilization of the site by contractor.
- The existing/proposed vegetated areas throughout the site shall be monitored and maintained by the Owner for trapped pollutants and erosion.
- The owner shall monitor and maintain the embankments/slopes for damage or erosion(annually), sediment accumulation(annually) throughout the site and within the detention basin, the energy dissipators for deterioration/damage(annually), and vegetation coverage(as needed annually). All deficiencies shall be fixed/resolved immediately.
C6. Entity that will be responsible for operation and maintenance of the post-construction stormwater measures:
FRANKLIN TOWNSHIP COMMUNITY SCHOOL CORPORATION EDGEWOOD INTERMEDIATE SCHOOL 7620 EDGEWOOD AVENUE INDIANAPOLIS, INDIANA 46239 (317) 803-6200

### MAINTENANCE NOTES

STRAW BALE DAM MAINTENANCE REQUIREMENTS
1. INSPECT STRAW BALES AFTER EACH STORM EVENT AND PROMPTLY REMOVE ANY SEDIMENT DEPOSITS TO ENSURE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED BALES.
2. INSPECT PERIODICALLY FOR DAMAGE OR EROSION FROM DRAINAGE OR CONSTRUCTION ACTIVITIES AND REPAIR IMMEDIATELY.
3. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED REMOVE ALL STRAW BALES AND SEDIMENT, BRING THE DISTURBED AREA TO GRADE AND STABILIZE IT.
SILT FENCE MAINTENANCE REQUIREMENTS
1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
2. IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR CAUSING THE FABRIC TO BULGE.
4. TAKE CARE TO AVOID UNDERMINING THE SILT FENCE DURING CLEAN OUT.
5. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE AND STABILIZE.
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS
1. INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOPRESSURE WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER.
5. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

TEMPORARY SEDIMENT TRAP/BASIN MAINTENANCE REQUIREMENTS
1. INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH STORM EVENT AND IMMEDIATELY REPAIR ANY EROSION AND FILLING HOLES.
2. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH.
3. REPLACE SPILLWAY GRAVEL FACING IF CLOGGED.
4. INSPECT VEGETATION AND RE-SEED IF NECESSARY.
5. CHECK THE SPILLWAY DEPTH PERIODICALLY TO INSURE A MINIMUM OF 1.5 FT. DEPTH FROM THE LOWEST POINT OF THE SETTLED EMBANKMENT TO HIGHEST POINT OF THE SPILLWAY CREST AND FILL ANY LOW AREA TO MAINTAIN DESIGN ELEVATION.
6. PROMPTLY REPLACE ANY DISPLACED RIPRAP BEING CAREFUL THAT NO STONES IN THE SPILLWAY ARE ABOVE DESIGN GRADE.
7. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, REMOVE THE STRUCTURE AND SEDIMENT, SMOOTH THE SITE TO BLEND WITH ADJOINING AREAS, AND STABILIZE.

STONE BAG CURB INLET PROTECTION MAINTENANCE REQUIREMENTS
1. INSPECT DAILY.
2. REMOVE ACCUMULATED SEDIMENT FROM PAVED AREA (DO NOT FLUSH WITH WATER) AFTER EACH STORM EVENT. DEPOSIT SEDIMENT IN AN AREA WHERE IT WILL NOT RE-ENTER THE PAVED AREA OR STORM DRAINS.
3. INSPECT FOR DAMAGE BY VEHICULAR TRAFFIC AND REPAIR IF NEEDED.
4. WHEN THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED, REMOVE INLET PROTECTION.

RIPRAP MAINTENANCE REQUIREMENTS
1. INSPECT PERIODICALLY FOR DISPLACEMENT ROCK MATERIAL, SLUMPING, AND EROSION AT EDGES ESPECIALLY DOWN STREAM OR DOWN SLOPE.

Table 1. Permanent Seeding Recommendations					
Open Low-Maintenance Areas (remaining idle more than six months)			Lawns and High-Maintenance Areas		
Seed Mixtures	Rate/acre Pure Live Seed	Optimum Soil pH	Seed Mixtures Rate/acre Pure Live Seed Optimum Soil pH		
1. Perennial ryegrass - white clover *	70 lbs. 2 lbs.	5.6 to 7.0	1. Bluegrass 140 lbs. 5.5 to 7.0		
2. Perennial ryegrass - tall fescue	70 lbs. 50 lbs.	5.6 to 7.0	2. Perennial ryegrass (turf type) 90 lbs. 5.6 to 7.0		
3. Tall fescue - white clover *	70 lbs. 2 lbs.	5.5 to 7.5	3. Tall fescue (turf type) - bluegrass 170 lbs. 30 lbs. 5.6 to 7.5		
Steep Banks and Cuts, Low-Maintenance Areas (not mowed)			Channels and Areas of Concentrated Flow		
Seed Mixtures	Rate/acre Pure Live Seed	Optimum Soil pH	Seed Mixtures Rate/acre Pure Live Seed Optimum Soil pH		
1. Smooth brome grass - red clover *	35 lbs. 20 lbs.	5.5 to 7.0	1. Perennial ryegrass - white *	150 lbs. 2 lbs. 5.5 to 7.0	
2. Tall fescue - white clover *	50 lbs. 2 lbs.	5.5 to 7.5	2. Kentucky bluegrass - smooth bromegrass - timothy - perennial ryegrass - white clover	20 lbs. 10 lbs. 4 lbs. 10 lbs. 2 lbs. 5.5 to 7.5	
3. Tall fescue - red clover *	50 lbs. 20 lbs.	5.5 to 7.5	3. Tall fescue *	150 lbs.	5.5 to 7.5
4. Orchard grass - red clover *	30 lbs. 20 lbs.	5.6 to 7.0	4. Tall fescue - perennial ryegrass - Kentucky bluegrass	150 lbs. 20 lbs. 20 lbs.	5.5 to 7.5
5. Crownvetch * - tall fescue	12 lbs. 30 lbs.	5.6 to 7.0			



