To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for Section 401 Water Quality Certification by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana’s water quality standards as set forth at 327 IAC 2.

1. Applicant: Unifirst Corporation
   3067 E. Commerce Street
   San Antonio, TX 78220

2. Agent: Christopher B. Burke Engineering, Ltd.
   9575 Higgins Road, Suite 600
   Rosemont, IL 60018

3. Project location: Latitude: 41.38229, Longitude -87.33284
   4043 Calumet Avenue, Hammond, Lake County, Indiana
   Northeast corner of the intersection of S. Calumet Avenue and E E 141st St.

4. Affected waterbody: Wetlands associated with Lake George Canal

5. Project Description: The applicant proposes to discharge fill material into 0.365 acre of emergent wetland to facilitate commercial development. It is proposed to mitigate for impacts to aquatic resources by purchasing wetland credits from the Indiana Stream and Wetland Mitigation Program. Additional information may be found on line at https://www.in.gov/idem/5474.htm

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Marty Maupin, Project Manager, by phone at 317-233-2471 or by e-mail at mmaupin@idem.in.gov. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM’s final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251 FAX: 317/232-8406
6.0" [152 mm] MIN.
18.5" [470 mm]
12.0" [152 mm] MIN.
39.0" [991 mm]
33.0" [838 mm]
12.0" [305 mm] MIN.
8.0" [203 mm] MIN. FOR PAVED
10.0" [254 mm] MIN. FOR UNPAVED
12.0' [3.66m] MAX.
7.5' [2.29m] MIN.
WOVEN GEOTEXTILE PLACED BENEATH FEED CONNECTORS
10.0' [3.0m] MIN.
WOVEN GEOTEXTILE PLACED BENEATH INLET PIPES
PAVEMENT OR FINISHED GRADE
PAVEMENT SUB-BASE (WHEN APPLICABLE)
NON-WOVEN GEOTEXTILE AROUND STONE. TOP, SIDES AND BOTTOM
6.0 INCH [152 mm] DEPTH OF 1-2 INCH [25-50 mm] WASHED, CRUSHED STONE BELOW CHAMBERS
12.0 INCH [152 mm] MIN. DEPTH OF 1-2 INCH [25-50 mm] WASHED, CRUSHED STONE BELOW CHAMBERS
HEAVY-DUTY CHAMBER
12.0 INCH [305 mm] MIN. DEPTH OF 1-2 INCH [25-50 mm] WASHED, CRUSHED STONE BORDERS SURROUNDING ALL CHAMBERS
PIPE TO BE INSERTED 12.0 INCHES [305 mm] MIN. INTO CHAMBER
MAXIMUM PIPE SIZE:
12.0" [300 mm] HDPE
15.0" [375 mm] PVC
HEAVY DUTY CHAMBER
ELEVATION = 583.79
ELEVATION = 584.29
ELEVATION = 582.25
ELEVATION = 581.25
WOVEN GEOTEXTILE TO BE PLACED BENEATH MANIFOLD FEATURE AND BENEATH ALL INLET/OUTLET PIPES (FOR SCOUR PROTECTION)
PROJECT ENGINEER OF RECORD OR GEOTECHNICAL CONSULTANT IS RESPONSIBLE FOR ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAS BEEN MET
NOTE: DESIGN IS BASED ON CULTEC RECHARGER 150XLHD
1. ELEVATIONS SHOWN ARE AT LOWEST POINT OF PARKING LOT.
2. TOP THREE ELEVATIONS ARE SUBJECT TO CHANGE BASED ON FINISHED GRADE.
3. REFER TO PAVEMENT DETAIL (C-5.1) FOR SIZING OF PAVEMENT AND COMPACTED FILL.

NOT TO SCALE
NOT TO SCALE
TYPICAL CROSS SECTION
NOT TO SCALE
PLAN VIEW DRAWING
NOT TO SCALE
MANHOLE/INLET CONNECTION TO CHAMBERS
NOT TO SCALE
PROPOSED MANHOLE OR INLET SEE GRADING PLAN FOR SIZE
WEST UNDERGROUND STORAGE
NORTH UNDERGROUND STORAGE
GENERAL SPECIFICATIONS FOR WATER MAINS

1. All work shall be performed in accordance with the Codes, Ordinances and Standards of the City of Hammond and the State of Indiana.

2. All water main pipe shall conform to either of the following: (A) Ductile Iron Pipe (ANSI A 21.51/AWWA C 151, Class 52) with bell and spigot push-on rubber gasket joints (AWWA CIII). All water main shall be wrapped with Polyethylene Bags. All water main pipe shall be installed with a minimum cover of 90% of the maximum density. All water main shall be placed in a trench not less than 24" deep or as specified by the City of Hammond. All water main joints shall be stainless steel. Pressure test at 150 psi for 2 hours. Where a water main crosses under a sewer, adequate structural support shall be provided to prevent damage to the water main.

3. All water mains shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed structure. Where the distance from the center of the water main to the center of the sewer is less than the stipulated above, the sewer shall be designed and constructed equal to the water pipe.

4. To assure future stability of all improvements installed across paved areas, future paved and sidewalk areas, it shall be backfilled with graded stone aggregate to the subgrade line.

5. The Contractor is responsible for the preparation of "As-Built" construction drawings showing actual sizes and lengths of pipe installed (i.e. from manhole to manhole or tee to valve, etc.), including water main and irrigation system. The Contractor shall supply the City of Hammond with three sets of reproducible original "As-Built" Plans and shall supply the City of Hammond with two copies thereof prior to and as a condition of the final acceptance and payment.

6. Deflections tests shall be performed on all flexible pipe materials placed. The contractor shall be responsible for supplying testing materials and appurtenances. The tests shall be conducted after the final backfill has been in place at least 30 days. No pipe shall exceed a deflection of 5% of the total pipe length. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the inside diameter of the pipe. The test shall be performed without mechanical pulling devices. The City of Hammond shall be notified when the system (or portion thereof) is ready for testing. Not applicable for service lines.

7. Air pressure test shall be performed on all completed Sanitary Manholes in accordance with established procedures. The manhole shall pass if the test time meets or exceeds the required time. The test shall be performed at 10 inches of mercury to 9 inches of mercury. If the manholes fails the initial test, necessary repairs shall be made, and the test shall be repeated. The contractor shall be responsible for paying for any necessary repairs that are made.

8. All work shall be laid in such a manner that the resulting embankment will be compacted to at least 95% of the maximum density. Compaction shall be done in 8" maximum depth lifts to 95% maximum density. It shall be the responsibility of the contractor to protect against substantial future settlement of backfilled areas.

GENERAL SPECIFICATIONS FOR STORM SEwers

1. All work shall be performed in accordance with the Codes, Ordinances and Standards of the City of Hammond and the State of Indiana.

2. All storm sewer pipe, branches, and fittings shall conform to either of the following: (A) Reinforced concrete pipe (ASTM C76 or C924 for concrete pipe, ASTM F-1417 for poly-vinyl chloride pipe, and for other materials, the pipe shall conform to the specifications of the manufacturer). Where a water main crosses under a storm sewer, adequate structural support shall be provided to prevent damage to the storm sewer.

3. All storm sewer sections shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed structure. Where the distance from the center of the storm sewer to the center of the water main is less than the stipulated above, the storm sewer shall be designed and constructed equal to the water pipe.

4. Where a water main crosses under a storm sewer, adequate structural support shall be provided to prevent damage to the storm sewer.

5. All work shall be laid in such a manner that the resulting embankment will be compacted to at least 95% of the maximum density. Compaction shall be done in 8" maximum depth lifts to 95% maximum density. It shall be the responsibility of the contractor to protect against substantial future settlement of backfilled areas.

6. All work shall be laid in such a manner that the resulting embankment will be compacted to at least 95% of the maximum density. Compaction shall be done in 8" maximum depth lifts to 95% maximum density. It shall be the responsibility of the contractor to protect against substantial future settlement of backfilled areas.

7. Deflections tests shall be performed on all flexible pipe materials placed. The contractor shall be responsible for supplying testing materials and appurtenances. The tests shall be conducted after the final backfill has been in place at least 30 days. No pipe shall exceed a deflection of 5% of the total pipe length. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the inside diameter of the pipe. The test shall be performed without mechanical pulling devices. The City of Hammond shall be notified when the system (or portion thereof) is ready for testing.

8. All work shall be laid in such a manner that the resulting embankment will be compacted to at least 95% of the maximum density. Compaction shall be done in 8" maximum depth lifts to 95% maximum density. It shall be the responsibility of the contractor to protect against substantial future settlement of backfilled areas.
DESCRIPTION OF POST CONSTRUCTION BMP'S THAT WILL BE INSTALLED

- Riprap Areas NA
- Permanent Seeding and Landscaping =50% TSS (Vegetative Filter Strip)
- Storm Sewer Basins with Sumps NA
- Underground Detention =80% TSS

Note: This site has met the required 80% TSS removal

RESPONSIBLE INDIVIDUAL FOR SWPPP

COMPANY: Unifirst Corporation
NAME: Steve Sintro
ADDRESS: 68 Jonspin Road
Wilmington, MA 01887
PHONE: (800) 347-7888
FAX: N/A
E-MAIL: stevesintro@unifirst.com
TEMPORARY SEEDING

Purpose:
1. To provide early germination and soil stabilization in the spring.
2. To provide a stable entrance/exit condition from the construction site, and to keep
   erosion and sedimentation damage to a minimum.
3. To repair previous seedings.

Requirements:
1. Site and seedbed preparation: Graded, lime and fertilizer applied.
2. Selection of appropriate species: Selected on the basis of quick germination, growth, and time of year, see Table for permanent seeding recommendations.
3. Installation:
   - Locate concrete washout systems at least 50 feet from any creek, wetlands, ditches, karst features, or storm drains/manmade conveyance systems.
   - Use a construction or road grader to create a cross slope of 3:1 (min.) to prevent standing water. (10' (min.) if a Grate is installed into a Catch Basin.)
   - Spillway width: 50 feet minimum.
   - Drainage structures: Prefabricated units are often pumped and their materials should be designed and constructed to be self-draining. Metal frame or geotextile structures should be designed to allow water to penetrate and not evaporate and the system is near capacity it may be necessary to vacuum or remove the inlet protection and replace it with a Geotextile fabric for filtration. Metal frame or geotextile structures should be designed to allow water to penetrate and not evaporate and the system is near capacity it may be necessary to vacuum or remove the inlet protection and replace it with a Geotextile fabric for filtration.
   - Flow heading:
     - During dice, May 30, seeding done between May 10 to August 10 may require irrigation. Temporary or permanent seeding application in early spring when soils are in the predicted rainfall event to prevent accumulation of water and possible overflow of the structure. Prefabricated units should also utilize this criterion, unless the manufacturer has alternate specifications.
   - Maintenance:
     - Permanent seeding: Minimum of 0.2540 millimeter or 10 mil. polyethylene sheeting that is free of holes, tears, or punctures. Minimum of 0.2540 millimeter or 10 mil. polyethylene sheeting that is free of holes, tears, or punctures. Minimum of 0.2540 millimeter or 10 mil. polyethylene sheeting that is free of holes, tears, or punctures. Minimum of 0.2540 millimeter or 10 mil. polyethylene sheeting that is free of holes, tears, or punctures.
     - Perforated pipe:
       - Shall be filtered and backflushed at least once every 7 calendar days to remove accumulated sediment.
       - Temporary or permanent seeding application in early spring when soils are in the predicted rainfall event to prevent accumulation of water and possible overflow of the structure. Prefabricated units should also utilize this criterion, unless the manufacturer has alternate specifications.
   - Notes:
     - Permanent seeding applications: The seed must be uniformly applied with a drill or cultipacker-seeder, or broadcasting, and cover to the recommended depth. The seed must be uniformly applied with a drill or cultipacker-seeder, or broadcasting, and cover to the recommended depth. The seed must be uniformly applied with a drill or cultipacker-seeder, or broadcasting, and cover to the recommended depth. The seed must be uniformly applied with a drill or cultipacker-seeder, or broadcasting, and cover to the recommended depth.
     - Inspect within 24 hours of rain events and at least once every 7 calendar days to remove accumulated sediment.
     - Space drainage structures that are expected to have a self-draining structure. Prefabricated units should also utilize this criterion, unless the manufacturer has alternate specifications.
     - Remove built-up sediment and replace or clean the Geotextile fabric after each storm event. Deposit sediment where it will not re-enter paved area or storm drains. When contributing drainage area has been stabilized, remove inlet protection. Where contributing drainage area has been stabilized, remove inlet protection. Where contributing drainage area has been stabilized, remove inlet protection.
     - Permanent or temporary seedings should be done at any potential washout location that is not part of a containment system.

PERMANENT SEEDING

Purpose:
1. To provide permanent vegetation cover and improve visual appearance of a property to reduce runoff and sedimentation damage by establishing desired cover.
2. To reduce soil erosion and water quality damage by establishing long-term vegetation.

Requirements:
1. Site and seedbed preparation: Considering soil and water quality considerations.
2. Seed selection: Requiring permanent and emergent native species for foundation or yard landscaping, apply shallow routine maintenance mowing and other maintenance as needed. For sensitive foundation or yard landscaping, apply shallow routine maintenance mowing and other maintenance as needed. For sensitive foundation or yard landscaping, apply shallow routine maintenance mowing and other maintenance as needed. For sensitive foundation or yard landscaping, apply shallow routine maintenance mowing and other maintenance as needed.
3. Installation:
   - Permanent or temporary seedings should be done at any potential washout location that is not part of a containment system.
   - Landscaping systems: Permanent or temporary seedings should be done at any potential washout location that is not part of a containment system.
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   - Landscaping systems: Permanent or temporary seedings should be done at any potential washout location that is not part of a containment system.
   - Maintenance:
     - Permanent or temporary seedings should be done at any potential washout location that is not part of a containment system.
     - Perforated pipe:
       - Shall be filtered and backflushed at least once every 7 calendar days to remove accumulated sediment.
   - Notes:
     - Perforated pipe:
       - Shall be filtered and backflushed at least once every 7 calendar days to remove accumulated sediment.
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EXAMPLE OF ACCEPTABLE INLET PROTECTION WITH BYPASS

TABLE: SEEDING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Seed Species</th>
<th>Description</th>
<th>Seed Rate</th>
<th>Coverage</th>
<th>Cautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat or Rye</td>
<td>150 lbs.</td>
<td>500-600 sq. ft.</td>
<td>90%</td>
<td>No erosion hazard areas, but it is a competitive species.</td>
</tr>
<tr>
<td>Grasses</td>
<td>200-300 lbs.</td>
<td>2500-3000 sq. ft.</td>
<td>95%</td>
<td>No erosion hazard areas, but it is a competitive species.</td>
</tr>
<tr>
<td>Sedum</td>
<td>50 lbs.</td>
<td>1000 sq. ft.</td>
<td>90%</td>
<td>No erosion hazard areas, but it is a competitive species.</td>
</tr>
</tbody>
</table>

CONCRETE WASHOUT

Purpose:
To reduce the discharge of pollutants associated with storm water runoff.

Requirements:
1. Erosion control measures: Use of sediment traps or other erosion control measures.
2. Water quality: Maintain water quality by reducing the discharge of pollutants associated with storm water runoff.

Specifications:
1. Water quality: Maintain water quality by reducing the discharge of pollutants associated with storm water runoff.
2. Water quality: Maintain water quality by reducing the discharge of pollutants associated with storm water runoff.
To protect slopes, stream banks and channels, which are subject to erosion by water.

**Purpose:**

- To carry concentrated runoff from a small watershed area to a stable outlet without damage from erosion or flooding.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.

**Installation:**

1. Complete Silt Fence according to the specifications provided.
2. Add topsoil where the soils exposed during excavation would be unsuitable for grass cover to a depth of 1/4 inch.
3. Remove significant sediment and debris from the channel to maintain design cross section.
4. Replace sediment and debris so surface can enter the channel freely.
5. Blanket sides and bottom of channel with Erosion Control Blanket North American Green or equal.
6. Blanket apron and channel perimeter of Silt fence with Erosion Control Blanket North American Green or equal.

**Maintenance:**

1. Check daily to ensure cover is in place and is functioning as designed.
2. Check for damage to the channel or adjacent areas and repair immediately.
3. Check for erosion or damage to newly spread topsoil; repair immediately and stabilize.
4. Stockpile outside rooting zone of trees to be protected.

**Salvaging and Stockpiling Topsoil**

1. Prior to applying topsoil, grade the subsoil and roughen the top three to four inches by disking.
2. Remove soil material no deeper than the “surface soil”.
3. Remove soil material no deeper than the “surface soil”.
4. Stockpile the material in accessible locations that will not interfere with other construction activities.
5. Stockpile outside rooting zone of trees to be protected.

**Erosion Control Blanket:**

- To preserve slopes, stream banks and channels, which are subject to erosion by water.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.

**Installation:**

1. Complete Silt Fence according to the specifications provided.
2. Add topsoil where the soils exposed during excavation would be unsuitable for grass cover to a depth of 1/4 inch.
3. Remove significant sediment and debris from the channel to maintain design cross section.
4. Blanket sides and bottom of channel with Erosion Control Blanket North American Green or equal.
5. Blanket apron and channel perimeter of Silt fence with Erosion Control Blanket North American Green or equal.

**Maintenance:**

1. Check for damage to the channel or adjacent areas and repair immediately.
2. Check for erosion or damage to newly spread topsoil; repair immediately and stabilize.
3. Stockpile outside rooting zone of trees to be protected.

**Silt Fence Wrap Joint Detail**

- To protect slopes, stream banks and channels, which are subject to erosion by water.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.

**Installation:**

1. Complete Silt Fence according to the specifications provided.
2. Add topsoil where the soils exposed during excavation would be unsuitable for grass cover to a depth of 1/4 inch.
3. Remove significant sediment and debris from the channel to maintain design cross section.
4. Blanket sides and bottom of channel with Erosion Control Blanket North American Green or equal.
5. Blanket apron and channel perimeter of Silt fence with Erosion Control Blanket North American Green or equal.

**Maintenance:**

1. Check for damage to the channel or adjacent areas and repair immediately.
2. Check for erosion or damage to newly spread topsoil; repair immediately and stabilize.
3. Stockpile outside rooting zone of trees to be protected.

**Silt Fence Fabric**

- To protect slopes, stream banks and channels, which are subject to erosion by water.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.

**Installation:**

1. Complete Silt Fence according to the specifications provided.
2. Add topsoil where the soils exposed during excavation would be unsuitable for grass cover to a depth of 1/4 inch.
3. Remove significant sediment and debris from the channel to maintain design cross section.
4. Blanket sides and bottom of channel with Erosion Control Blanket North American Green or equal.
5. Blanket apron and channel perimeter of Silt fence with Erosion Control Blanket North American Green or equal.

**Maintenance:**

1. Check for damage to the channel or adjacent areas and repair immediately.
2. Check for erosion or damage to newly spread topsoil; repair immediately and stabilize.
3. Stockpile outside rooting zone of trees to be protected.

**RipRap**

- To protect slopes, stream banks and channels, which are subject to erosion by water.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.

**Installation:**

1. Complete Silt Fence according to the specifications provided.
2. Add topsoil where the soils exposed during excavation would be unsuitable for grass cover to a depth of 1/4 inch.
3. Remove significant sediment and debris from the channel to maintain design cross section.
4. Blanket sides and bottom of channel with Erosion Control Blanket North American Green or equal.
5. Blanket apron and channel perimeter of Silt fence with Erosion Control Blanket North American Green or equal.

**Maintenance:**

1. Check for damage to the channel or adjacent areas and repair immediately.
2. Check for erosion or damage to newly spread topsoil; repair immediately and stabilize.
3. Stockpile outside rooting zone of trees to be protected.

**Gravel/Drainage**

- To preserve slopes, stream banks and channels, which are subject to erosion by water.

**Requirements:**

- Seed:
  - Turf type tall fescue: 300-350 lbs/acre
  - Analysis or equivalent fertilizer.
SELF-MONITORING PROGRAM
SPILL PREVENTION AND RESPONSE

**Project:**
- To reduce wind-borne soil particles (dust) that may be transported and deposited in waterbodies, eliminates the discharge of spilled material to the drainage system or watercourses.
- To create a health hazard, and/or a visibility hazard.

**Requirements:**
1. Temporary Methods
   - Dust palliatives utilized for sites with dry, unvegetated soils that are exposed to wind or vehicle traffic.
   - Herbsides that can potentially result in the generation of dust.

2. The evaluation must address the maintenance of existing stormwater quality measures.
   - Dust palliatives may also be applicable to haul roads.

3. Written evaluation reports must include:
   - c. problems identified at the project site; and
   - d. details of corrective actions recommended and completed.

4. Trucks leaving a project site should be covered, especially where conditions may result in blowing of haul material.
   - Runoff from treated areas can pollute waterbodies.
   - Applied to haul roads, soil stockpiles, unvegetated soils, or used as a tackifier.
   - Water sheds off soils treated with these products.
   - Water soluble and could lose bonding capability in heavy rain.

5. Evaluation reports must be maintained for a period of two (2) years from date of NOT.
6. All evaluation reports will be submitted to the Town of Griffith when requested.

**Application:**
- Dust palliatives are management practices used for reduction of spills and other accidental exposure of materials and substances to a waterbody, according to Indiana State Water Law 31-3-17-22, or as directed by the U.S. Environmental Protection Agency.

- If a spill occurs that requires emergency action, the following provisions shall be followed:
  - If a spill occurs that requires emergency action, the following provisions shall be followed:
    - The spill kits that are required to be on site shall be utilized.
    - Emergency Response teams shall be contacted for extensive spills above and beyond the containment by available methods.

- The following are management practices used for reduction of spills and other accidental exposure of materials and substances:
  - Tillage
    - Chisel plows with shanks spaced 12 to 18 inches apart, straight-toothed harrows, or similar tillage equipment.
    - Best if implemented before soil begins to blow.

- Temporary Vegetative Cover
  - Effective, temporary measure.

- Physical Barriers
  - Emergency treatment measure.

- Street Sweeping
  - Street sweeper, vacuum truck, or a bucket end loader.

- Water Export Management Practices
  - Drainage spill areas shall be managed to control the movement of the material.

- Dust palliatives shall be selected and utilized as part of the project.

- Dust palliatives shall be selected and utilized as part of the project.

- In the event that a large spill occurs (that which requires extensive cleanup actions, refer to MSD sheets for information), the following procedures shall be followed to minimize exposure of the material.

- Polymeric Products
  - Large open disturbed areas.

- Tillage
  - Chisel plows with shanks spaced 12 to 18 inches apart, straight-toothed harrows, or similar tillage equipment.
This is to certify that I have surveyed the above described property according to the official records and that the plat shown here correctly represents said survey.

Gary P. Torrence - Registered P.E. #18376 and L.S. #5014
EXISTING COMBINED CONCRETE CURB AND GUTTER
EXISTING CONCRETE PAVEMENT, CURB, GUTTER AND SIDEWALK TO BE REMOVED
EXISTING ASPHALT PAVEMENT
NEW CONCRETE PAVEMENT (SEE SPECIFICATIONS FOR CLASS III DRIVE)
NEW COMBINED CONCRETE CURB AND GUTTER (SEE DETAIL)
NEW CONCRETE SIDEWALK
NEW 6" TOPSOIL INCLUDING MULCHED SEEDING, MIX "RU" (PER INDOT Spec. 621.01-621.06)
SAW CUT
EXISTING COMBINED CONCRETE CURB AND GUTTER
EXISTING CONCRETE PAVEMENT, CURB, GUTTER AND SIDEWALK TO BE REMOVED
EXISTING ASPHALT PAVEMENT
NEW CONCRETE PAVEMENT (SEE SPECIFICATIONS FOR CLASS III DRIVE)
NEW COMBINED CONCRETE CURB AND GUTTER (SEE DETAIL)
NEW CONCRETE SIDEWALK
NEW 6" TOPSOIL INCLUDING MULCHED SEEDING, MIX "RU" (PER INDOT Spec. 621.01-621.06)
SAW CUT
GENERAL CONSTRUCTION NOTES:

1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
4. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT'S SPECIFICATIONS.
5. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
6. PROVIDE POSITIVE DRAINAGE AT ALL TIMES. DO NOT OBSTRUCT NATURAL OR DESIGNED DRAINAGE FLOW PATTERNS.
7. ALL PLANTINGS SHALL BE SPACED EQUALLY Distant. BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPE REMOVED.
8. PERENNIAL, NO SCALE AND GROUNDCOVER DETAIL
9. ALL PLANTS TO BE PLANTED AT SAME LEVEL AS GROWN IN CONTAINER. 2" DEEP MULCH.  WORK BED TO A 6" DEPTH WITH AMENDED TOPSOIL.
10. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
11. ALL DISTURBED AREAS SHALL HAVE A MIN. OF 6" OF TOPSOIL PLACED AND THEN GRADE OR SLIGHTLY ABOVE FINISHED GRADE.
12. ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 3" DEPTH.
13. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
14. ALL EXISTING TREES OF HIGH QUALITY LOCATED OUTSIDE OF THE CONSTRUCTION ZONE SHALL BE SAVED.

PERENNIAL, AND GROUNDCOVER DETAIL

EVERGREEN TREE PLANTING DETAIL

SHRUB PLANTING DETAIL

STONE MULCH DETAIL

LANDSCAPE PLAN

UniFirst
South Calumet
Hammond IN

December 25th

Douglas Garfens, RLA157.000573

LS 2

2'X2'- LIMESTONE Ledge Rock Stacked 2 HIGH AT TOE OF SEEN AS SHOWN ON PLAN.

2' MIN. DEPTH STONE MULCH COLOR AND SIZE SELECTED BY OWNER.

SIDEWALK BY OWNER.

SOD BARRIER FABRIC

DO NOT CUT LEADER ON EVERGREEN OR PYRAMIDAL TREES.

SET ROOTBALL AT SAME LEVEL AS GROWN IN CONTAINER. 2" DEEP MULCH. WORK BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANTS AT SAME LEVEL AS GROWN IN CONTAINER. 2" DEEP MULCH. WORK BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANT BED 2" ABOVE FINISHED GRADE.

PREPARE PLANT BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANTS AT SAME LEVEL AS GROWN IN CONTAINER. 2" DEEP MULCH. WORK BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET ROOTBALL ON DISTURBED SUBGRADE.

PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS CORDS AROUND ROOTBALL.

CUT ANY SYNTHETIC CORDS AROUND-rootball AND TRUNK.

DO NOT CUT LEADER ON EVERGREEN OR PYRAMIDAL TREES.

SET ROOTBALL ON UNDISTURBED SUBGRADE.

3" MIN. DEPTH OF SHREDDED BARK MULCH.

SET PLANT BED 2" ABOVE FINISHED GRADE.

PREPARE PLANT BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANTS AT SAME LEVEL AS GROWN IN CONTAINER. 2" DEEP MULCH. WORK BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANT BED 2" ABOVE FINISHED GRADE.

PREPARE PLANT BED TO A 6" DEPTH WITH AMENDED TOPSOIL.

SET PLANT BED 2" ABOVE FINISHED GRADE.

PREPARE SEPIUM 2" DEEP MULCH BARK MULCH.

BACKFILL WITH TOP SOIL MIXTURE.

SET ROOTBALL ON UNDISTURBED SUBGRADE.

PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS CORDS AROUND ROOTBALL.

CUT ANY SYNTHETIC CORDS AROUND-rootball AND TRUNK.

DO NOT CUT LEADER ON EVERGREEN OR PYRAMIDAL TREES.