ORDINANCE NO. 1803 AN ORDINANCE OF THE TOWN OF MUNSTER TOWN COUNCIL REZONING CERTAIN PROPERTY AS THE MAPLE LEAF CROSSING PUD AND ADOPTING DEVELOPMENTAL STANDARDS FOR THE MUNSTER BUSINESS COMPLEX PLANNED UNIT DEVELOPMENT

WHEREAS, the Munster Redevelopment Commission previously applied for rezoning of the Munster Business Complex, which was adopted as Ordinance 1701 on October 17, 2016.
 WHEREAS, the Town of Munster adopted Zoning Ordinance No. 1788 on December 23, 2019, which substantially revised the previous zoning code and maps for the Town of Munster.

WHEREAS, the Munster Town Council, Munster Plan Commission and Munster Redevelopment Commission have all engaged in significant discussion and planning with Maple Leaf Crossing, LLC, since Ordinance 1701 was passed in October, 2016.

WHEREAS, the Munster Plan Commission has held multiple public meetings, and approved the preliminary plat on May 12, 2020 for the development to be known as Maple Leaf Crossing on the Munster Business Complex site.

WHEREAS, the Munster Town Council desires to amend the Munster Business Complex Planned Unit Development, rename it to the Maple Leaf Crossing Planned Unit Development, and rezone and adopt development standards for Maple Leaf Crossing Planned Unit Development as set forth herein and in certain Development Standards approved concurrently herewith.

NOW, THEREFORE, BE IT ORDAINED by the Town Council as follows:

- 1. The Munster Business Complex Planned Unit Development shall be rezoned pursuant to the Approved Development Plan and Development Standards approved by the Town of Munster Plan Commission and Munster Town Council.
- 2. The Munster Business Complex Planned Unit Development shall now be known as the Maple Leaf Crossing Planned Unit Development.
- 3. The Maple Leaf Crossing PUD shall be developed according to the Approved Development Plan approved by the Munster Plan Commission on July 14, 2020, as amended, a true and correct copy of which is attached hereto as Exhibit A and incorporated herein.
- 4. The Development Standards for the Maple Leaf Crossing Planned Unit Development attached as Exhibit B are hereby adopted and ordained.

ORDAINED and ADOPTED by the Town Council of the Town of Munster, Indiana on the 20 Day of ______, 2020 by a vote of <u>_____</u> in favor and <u>O</u> opposed.

TOWN COUNCIL OF THE TOWN OF MUNSTER, LAKE COUNTY, INDIANA

Jellon

Lee Ann Mellon, President

ATTEST: Wendy Mis, Clerk - Treasurer

DEVELOPMENTAL STANDARDS FOR THE MAPLE LEAF CROSSING DEVELOPMENT AT THE MUNSTER BUSINESS COMPLEX PLANNED UNIT DEVELOPMENT

This document sets forth the developmental standards for the Planned Unit Development known as Maple Leaf Crossing, with street addresses 9352-9482 Calumet Avenue.

I. Planned Unit Development

Maple Leaf Crossing is hereby designated as a Planned Unit Development Special District ("SD-PUD") under Ordinance No. 1788.

A. Permitted uses shall include:

1. Hotel

2. Professional Office

3. Medical or Dental Office or Clinic

4. Alcoholic Beverage Retail Sales

5. Alcoholic Beverage- Serving Establishment

6. Bar or Tavern

7. Brewpub

8. Craftsman Establishment

9. Dry Cleaning without drive-through

10. Entertainment Facility

11. Financial Services without Drive-through

12. Hair, skin, nail care or day spa

13. Open air market, including container shops

14. Open Front or Open Lot Retail, including container shops

15. Pharmacy

16. Restaurant, and Restaurant with outdoor dining

17. Tailor or Seamstress Shop

18. Tasting Room

19. Theater or Performing Arts Venue

20. Ticket Office

21. Veterinary Office Clinic or Hospital

3

22. Warehouse/ retail

23. Civic space

24. Brewery

25. Distillery

26. Microbrewery/MicroDistillery/ Microwinery/ Nanobrewery

27. Winery

28. Food/ Refreshment Stand

29. Garden

30. Gift Shop

31. Massage Services by Indiana licensed masseuse, accessory to Spa or Salon

32. Parking Area

33. Patio

34. Such other uses as approved by the Plan Commission or Town Council

B. Temporary buildings for construction purposes for a period not to exceed the duration of the construction.

2. Use Conditions and Restrictions

A. Hours. Maple Leaf Crossing hours of operation shall be seven days per week as allowed for any like businesses in Commercial Districts in the Town of Munster.

3. Yards

Yards, roadways, walkways, parking and greenspace shall be as set forth in the Approved Development Plan attached hereto as Exhibit A and incorporated herein.

4. Height Regulations

No building shall exceed four stories in height and a maximum of 60 feet.

5. Screening of Mechanicals

All mechanical equipment will be screened as to not be visible by those at street level on all sides of the building.

6. Off-Street Parking Facilities

Off-street parking shall include approximately 358 parking spaces as set forth in the Approved Development Plan.

7. Lot Coverage

4

Green space shall exceed 7.5% of the total area as set forth in the Approved Development Plan.

8. Pedestrian and Bicycle Access

Sidewalks and bicycle paths shall be located within and upon Maple Leaf Crossing as set forth in the Approved Development Plan.

II. Formula Business Regulations

Any Formula Business that desires to located within the Planned Unit Development must obtain a Special Use permit from the Board of Zoning Appeals. A "Formula Business" is defined as a restaurant or retail establishment which is required by contractual or other arrangements to operate with standardized menus, ingredients, architecture, décor, uniforms, appearance or signage.

The following findings, at a minimum, must be made prior to the issuance of a Special Use Permit for a Formula Business:

- 1. The Formula Business will be compatible with existing surrounding uses, and has been designed and will be operative in a non-obtrusive manner to preserve the community's distinctive character and ambiance;
- 2. The Formula Business will not result in an over-concentration of formula establishments in its immediate vicinity or the Town as a whole;
- 3. The Formula Business will promote diversity and variety to assure a balanced mix of commercial use available to serve both resident and visitor populations;
- 4. The Formula Business will contribute to an appropriate balance of local, regional or national-based businesses in the community;
- 5. The Formula Business will be mutually beneficial to and will enhance the economic health of surrounding uses in the district; and,
- 6. The Formula Business will contribute to an appropriate balance of small, medium and large-sized businesses in the community.
- III. Building and Material Requirements
 - 1. Building Design

All building designs and lot plans shall be submitted to the Plan Commission for building site plan approval in accordance with Section 26-6.804.G of the Town's Code of Ordinances. The overall image should be well coordinated, fully integrating components such as entries, displays and signage. Buildings shall comply with the Approved Development Plan and the Development Standards for the Maple Leaf Crossing Planned Unit Development.

2. Materials and Details

Building materials shall consist primarily of glass, steel, brick, stone, and shipping containers for accents and small businesses as contemplated by the Development Agreement. Proposed materials and colors shall be submitted on a color material sample as a component of building site plan approval application in accordance with Section 26-6.804.G of the Town's Code of Ordinances..

3. Permitted Materials

The following is a list of permitted materials, subject to Town approval during the review process:

- a. Painted aluminum or steel;
 - b. Stainless steel;
 - c. Solid brass, bronze, copper or pewter;
 - d. Enamel coated steel;
 - e. Textured or brushed stainless steel;
 - f. Galvanized, sandblasted or etched metals;
 - g. Natural stone;
 - h. Full size brick;
 - i. Painted or stained wood in limited amounts
 - j. Porcelain, ceramic or glass
- 4. Metals

High quality is expected for all metal applications. Metal such as shop-painted aluminum and steel, stainless steel, solid brass, bronze, copper, pewter, or enamel coated steel may be used for hardware, trim and panels when well designed and detailed.

- a. Lap joints and seams must be even and straight and concealed when possible. Outside corners are to be mitered or continuous break shaped.
- b. Fabrication must be either heavy gauge material or thinner gauge material shop laminated to solid backing. In no case are oil canning (resulting from light reflection from an uneven or buckled surface), scratches, warps, dents, occlusions, visible seams or other imperfections allowed.
- c. Sealants on natural metals are required to prevent tarnishing.

- d. Textured or brushed stainless steel, galvanized, sandblasted and etched metals are encouraged in creative applications. Unique treatments such as patina, rusted, etched and imprinted metals will be considered for special design objectives.
- e. Polished metals should be solid, not plated and limited to accent trim.
- 5. Natural Stone
 - a. Granite, marble, limestone, slate and other natural stone materials may be used in building applications. Stone may be polished, unpolished, sandblasted, flamed, honed, split face or caved. Careful, craftsman-like attention to detail is required at all connections and transitions to other materials.
 - b. Edge details must prevent visible unfinished edges. Exposed edges must be quirk mitered, chamfered or polished to match adjacent surface finish.
 - c. The transition between stone and adjoining materials must be defined by use of metal reveals.
 - d. Stone use as a paving material must be flush when meeting other flooring materials.
 - e. Natural stone must be protected against staining and discoloration by means of sealers appropriate to the material.
- 6. Wood
 - a. Painted or stained wood may be used in many design applications, such as window frames, decorative trim or molding, and for solid areas, such as decorative bulkheads. In some cases, it may be used for larger architectural elements, such as columns and entablatures. Wood paneling and plank construction are not acceptable unless presented in a highly imaginative concept and approved by the Town.
 - 1. Wood used in the construction of the building must be kiln dried, mill quality, or marine grade hardwood and must meet local frame spread requirements.
 - 2. Painted wood must have a shop quality enamel finish.
 - 3. Wood without a paint finish must receive a clear, preservative sealant.
 - 4. Extensive use of natural wood finishes is discouraged.
- 7. Tile
- a. Tile may be used in diverse applications. Its use is encouraged to introduce light, decorative texture or graphic quality to a storefront.
 - 1. Porcelain ceramic or glass tiles in glazed or natural finishes may be used as accents and in limited field applications. Patterns used over large areas are expected t have a sophisticated, well executed design concept.

- 2. Small and intricate mosaic tile patterns may be utilized for detail and accent only.
- 3. All tiles must be carefully detailed at outside corners with bull nose edges or special corner trims. Lapped or butt joints are not permitted.
- 8. Glazing
 - a. The creative use of glazing and other building front design elements is encouraged and must be carefully detailed.
 - 1. Large panes
 - 2. All glass
 - 3. Stained, leaded
 - 4. Glass block
 - 5. In frameless assemblies,
 - 6. Aluminum, metal or wood building
 - 7. All aluminum framing
 - 8. Tinted glass is permitted, however, reflective glass (including mirroring) is not permitted.
- 9. Lighting
 - a. Lighting fixtures shall be high quality commercial grade. The fixtures shall be constructed and installed to be glare free and shall comply with all applicable code requirements.
 - b. Recessed or appropriately styled surface mounted halogen incandescent, ceramic metal halide, or solid state (LED) sources are permitted. 2077 to 3000 k is the required color temperature range of these sources, with a minimum Color Rendering Index (CRI) of 80.
 - c. Fluorescent fixtures are not permitted.
 - d. The lighting plan shall be of the design and layout set forth in the Approved Development Plan.
 - e. A detailed lighting plan for each building and lot shall be submitted for Plan Commission approval as a component of a site plan approval application in accordance with the procedure of Section 26-6.804.G of the Town's Code of Ordinances and the standards of the Development Plan and Development Standards.
- 10. Prohibited Materials
 - 1. The following is a list of prohibited materials. In rare instances, special consideration may be given for the use of a prohibited material if its application is highly original, creative and essential to the theme

or design concept of the building front. Exceptions may be granted by the Plan Commission solely at its discretion as a component of a building site plan approval application in accordance with Section 26-6.804.G of the Town's Code of Ordinances.: Plastic laminates, except for high pressure laminates such as Prodema and Trespa or similar.

- 2. Glossy, or large expanses of acrylic or Plexiglass
- 3. Pegboard
- 4. Mirror
- 5. Mirrored glass (but not tinted glass)
- 6. Vinyl, fabric or paper
- 7. Plywood or particle board
- 8. Sheet or modular vinyl
- 9. Luminous ceiling, including "egg crate"
- 10. Shingles, shakes, rustic siding
- 11. Drywall
- 12. Stucco, exterior insulation finishing system (EIFS) or similar products

IV. Signage Design Criteria

Signage shall be compliant with §26-6.701 unless a variance is obtained from the Board of Zoning Appeals.

V. Landscape Design Criteria

Landscaping for Maple Leaf Crossing shall generally be in accordance with the Landscaping Plan attached hereto as Exhibit C and incorporated herein. Other Developmental Standards

VI. Other Development Standards

The Approved Development Plan and Development Standards shall govern the development of Maple Leaf Crossing PUD. The development standards for zoning district CD-4.A set forth in Zoning Ordinance 1788, Table 26-6.405.A-6 shall apply to matters not addressed in the Approved Development Plan and Development Standards.

VII. All construction on the building sites on lots 1 through 7 of the Approved Development Plan are subject to approval by the Munster Plan Commission in accordance with the procedure set forth in Section 26-6.804.G of the Town's Code of Ordinances according to the terms and standards of the Approved Development Plan and Development Standards for Maple Leaf Crossing PUD or section VI above, if applicable.

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DESCRIPTION
TITLE PAGE
EXISTING TOPOGRAPHY & UTILITIES
DEMOLITION PLAN
SITE PLAN
SIGNAGE PLAN
SANITARY SEWERS & WATERMAIN PLAN
STORM SEWERS & GRADING PLAN
DETAILS & SPECIFICATIONS
STORM WATER POLLUTION PREVENTION PLAN
STORM WATER POLLUTION PREVENTION PLAN DE
FINAL PLAT



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	3	06-26-2020	RE-SUBMITTAL TO MUNSTER	DT/RT
	2	06-05-2020	RE-SUBMITTAL TO MUNSTER	DT/EM/MH
	1	05-11-2020	PRIMARY SUBMITTAL	DT/EM/MH
	NO.	DATE	DESCRIPTION	BY

MAPLE LEAF CROSSING A PLANNED UNIT DEVELOPMENT TO THE TOWN OF MUNSTER, LAKE COUNTY, INDIANA

Legal Descriptions PARCEL 1

Lot 1 in Munster Business Complex, a Planned Unit Development, in the Town of Munster, as per plat thereof, recorded in Plat Book 110, page 02 in the Office of the Recorder, Lake County, Indiana.

PARCEL 2

Part of the Southeast Quarter of Section 25, Township 36 North, Range 10 West of the Second Principal Meridian, lying West of Lot 1 in Munster Business Complex, a Planned Unit Development, in the Town of Munster, as per plat thereof, recorded in Plat Book 110, page 02 in the Office of the Recorder, Lake County, Indiana, and North of Canadian National Railroad right-of-way, being more particularly described as follows: Commencing at the Northeast corner of said Section 25; thence South 00° 26' 30" West, along the East line of said Section 25, a distance of 3,054.86 feet; thence North 89° 43' 30" West, along the North line of said Lot 1 extended East, a distance of 756.34 feet to the Northwest corner of said Lot 1 and also being point of beginning; thence South 37° 47' 07" East, along the West line of said Lot 1, a distance of 511.81 feet to the Southwest corner of said Lot 1; thence North 59° 52' 07" West, along the Northerly line of said Canadian National Railroad right-of-way (100 feet wide), a distance of 265.99 feet; thence North 37° 47' 07" West, a distance of 343.63 feet; thence South 89° 43' 30" East, a distance of 127.01 feet to the point of beginning, containing 0.982 acres, more or less, all in the Town of Munster, Lake County, Indiana.

TAILS & SPECIFICATIONS

CLIENT/OWNER: Maple Leaf Crossing, LLC 400 Fisher Avenue Munster, IN 46321

PREPARED BY: Torrenga Engineering, Inc. 907 Ridge Road Munster, Indiana 46321 (219)836-8918



NOT TO SCALE

NORTH

NOTES:

1. TOTAL SITE AREA = $7.049 \pm (ACRES) 307,066 \pm (S.F)$

- 2. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN AS TAKEN FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR MUNSTER, LAKE COUNTY, INDIANA, MAP NUMBER 18089C0117E, EFFECTIVE DATE JANUARY 18, 2012.
- BENCHMARK(S):
 TBM #1 FIRE HYDRANT LOCATED ALONG THE WEST SIDE OF CALUMET AVENUE, 85.65 FEET SOUTH OF THE NORTHWEST CORNER OF LOT 1 IN MUNSTER BUSINESS COMPLEX, SOUTH SOUTHEAST BOLT ELEVATION 618.87.

TBM #2 - MAG. NAIL SET LOCATED ALONG THE EAST SIDE OF CALUMET AVENUE AT CONCRETE SIDEWALK, 120 FEET SOUTH OF THE NORTH LINE OF LOT 1 IN MUNSTER BUSINESS COMPLEX, ELEVATION 616.73.

- 4. DEVELOPER: First Metropolitan Builders 400 Fisher Avenue Munster, IN 46321
- 5. EXISTING TOPOGRAPHY AND UTILITIES DATA ARE PROVIDED AND TAKEN FROM TORRENGA SURVEYING, LLC, JOB NO.: 2019-0676 DATED 03-25-2020
- 6. ALL VERTICAL DATUM IS BASED ON NAVD88.
- 7. HYDROLOGIC UNIT CODES: 07120003030030- HART DITCH (PLUM CREEK)-DYER DITCH
- 8. LOCATION:
- LATITUDE 41°32'35" N LONGITUDE - 87'30'36" W
- 9. CURRENT ZONING: CD-4A WITH NO GROUND FLOOR RESIDENTIAL USES PERMIT

CERTIFIED BY: DONALD C. TORRENGA P.E. # 19868

















GENERAL SPECIFICATIONS FOR SANITARY SEWER

1. All work shall be performed in accordance with the Codes, Ordinances and Standards of the Town of Munster, Lake County, and the State of Indiana.

2. All sanitary sewer pipe, branches and fittings shall conform to one of the following: (a) Extra strength vitrified clay pipe (ASTM C-700) with push on rubber gasket joints (ASTM C-425). (b) Poly-vinyl chloride (PVC), SDR 26 (ASTM D-3034), with push-on rubber gasket joints (ASTM C-3212). Six inch service pipes shall be in accordance with the infrastructure improvement codes of the Town of Munster.

3. All sanitary sewer manholes shall be standard 48" diameter precast concrete units (ASTM C-478) conforming with the Standard Detail sheet of these plans.

4. The sanitary manhole base shall be precast with a minimum of 2 foot section, trough, etc..

5. Sanitary manholes shall be provided with a watertight gasketed cover

6. All improvements installed across paved or future paved areas shall be backfilled with sand or graded stone aggregate to the subgrade.

7. The competed sanitary sewer system shall be air tested for infiltration and shall have a maximum infiltration of 100 GPD/inch/diameter/mile of sewer pipe. The completed sanitary sewer system shall be air pressure tested for infiltration/exfiltration with 4 lbs. of pressure for 4 minutes. The testing shall conform to the procedure described in ASTM C-838-86 for clay pipe, ASTM C 924 for concrete pipe, ASTM F-1417 for poly-vinyl chloride pipe, and for other materials test procedures approved by the regulatory agency. The Contractor shall be responsible for supplying all testing materials and appurtenances. The Town of Munster shall be notified when the system (or portion thereof) is ready for testing.

8. Deflection 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 %. 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 Town of Munster shall be notified when the system (or portion thereof) is ready for testing.

9. Care should be taken in parkway areas to assure compaction acceptable for the future stability of driveways and sidewalks. While special backfill material is not required, it shall be the responsibility of the Contractor to protect against substantial future settlement of backfilled areas. The contractor shall provide special backfill material across driveways and sidewalks in the event that a sewer or main is installed underneath.

11. All sewers shall be laid at least 10 feet (3.0m) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. All sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches (46 cm) between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main. When it is impossible to obtain proper horizontal and vertical separation as stipulated above, the sewer shall be designed and constructed equal to water pipe.

12. 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.), location of service taps and any structures added or omitted in comparison with these engineering plans. The Contractor shall supply the Developer (through the Project Engineer) with one set of reproducible original "As-Built" Plans and shall supply the Town of Munster with 2 copies thereof prior to and as a condition of the final acceptance.

13. Air pressure test shall be performed on all completed Sanitary Manholes in accordance with ASTM C 1244-93, Standard Test Method for Concrete Sewer Manholes by Negative Air Pressure (Vacuum) Test. The tests shall be conducted prior to backfill to demonstrate the integrity of the installed materials. The manhole shall pass if the test time meets or exceeds the required minimum test times as specified in ASTM C 1244-93 for the vacuum reading to drop from 10 inches of mercury to 9 inches of mercury. If the manhole fails the initial test, necessary repairs shall be made, and the test shall be repeated. The contractor shall be responsible for supplying all testing materials and appurtenances. The Town of Munster shall be notified when the manholes (or portion thereof) are ready for testing.

14. No sanitary sewer manhole shall be within eight (8) feet of a water main as measured from the outside edge of the sanitary sewer manhole to the outside edge of the water main.



www.stronggo.com/ourproducts.html -NuWay, CAST IN TACT, DETECTABLE WARNING

YELLOW COLOR ONLY

DETECTABLE WARNING SURFACE

NOT TO SCALE

www.nuwayinc.com/CAST_IN_TACT_1.pdf

PAVERS

GENERAL SPECIFICATIONS FOR WATER MAINS

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

2. All water main pipe shall be polywrapped Ductile Iron Pipe (AWWA C151 C-52) with bell and spigot push-on rubber gasket joints (AWWA CIII). All water main pipe shall be installed with a minimum cover of 5.0 feet from top of curb to top of pipe. All fire hydrants, tees, bends and fittings shall be suitably harnessed or thrust blocked with concrete.

3. All improvements installed across paved or future paved areas shall be backfilled with sand or graded stone aggregate to the subgrade.

4. All water valves 12" or larger shall be placed in vaults.

5. On 12" water main bends, restrained joints shall be used, megalug or equal. At 90° bends, the water main shall be additionally restrained at 1 joint in each direction.

6. All fire hydrants shall be manufactured by Mueller Company, Super Centurion 250 model with 51/4" valve openings with a 5" Storz pumper connection and shall be backfilled with 3/4" stone for drainage purposes.

7. All water mains shall be laid at least 10 feet (3.0m) horizontally from any existing or proposed sewer. The distance shall be measured from outside of pipe to outside of pipe. All sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches (46 cm) between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main. When it is impossible to obtain proper horizontal and vertical separation as stipulated above, the sewer shall be designed and constructed equal to water pipe.

8. Care should be taken in parkway areas to assure compaction acceptable for the future stability of driveways and sidewalks. While special backfill material is not required, it shall be the responsibility of the Contractor to protect against substantial future settlement of backfilled areas. The Contractor shall provide special backfill material across driveways and sidewalks in the event that a water main is installed underneath.

9. The Buffalo Boxes shall be arch pattern box style and shall be located one foot behind sidewalks, if possible. No Buffalo Boxes shall be located in concrete areas, and they shall have AWWA approved shut offs and corporation valves.

10. All water main pipe shall be disinfected by the use of liquid chlorine. The Contractor shall notify the town of Munster when the water main system (or portion thereof) is ready for testing.

11. The Contractor is responsible for water quality tests done by a State Certified Laboratory. The Town of Munster Water Department staff shall be notified and be present while tests are being performed. The approved water system shall be turned on by the Water Department Staff, only after the water quality reports have been approved.

water main (or portion thereof) is ready for testing.

13. 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.), location of service taps and any structures added or omitted in comparison with these engineering plans. The Contractor shall supply the Developer (through the Project Engineer) with one set of reproducible original "As-Built" Plans and shall supply the Town of Munster with 2 copies thereof prior to and as a condition of the final acceptance.

14. No water main shall be within eight (8) feet of a sanitary sewer manhole, a storm sewer manhole, or a drainage grate support structure as measured from the outside edge of the water main to the outside edge of the sanitary sewer manhole, storm sewer manhole, or drainage grate support structure.







EXHIBIT A

12. The newly installed water main (or portions thereof) shall be subjected to a pressure and leakage test, using hydrostatic testing. Test pressure shall not be less than 1.5 times the working pressure or exceed pipe design pressure. Pressure shall not vary by more than \pm 5 PSI for a minimum of a 2 hour duration test. The exposed pipe and joints shall be examined carefully during the test and any damaged or defective pipe or joints shall be replaced, and the test shall be repeated. The allowable leakage shall not exceed 11.65 gpd/mi/in of nominal pipe diameter at a pressure of 150 PSI.

All visible leaks are to be repaired regardless of the amount of leakage. The contractor shall be responsible for supplying all testing materials and appurtenances. The Town of Munster shall be notified when the



BARRIER CURB DETAIL

NOT TO SCALE









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of Storage Provided by XLHD Stormwater System		
ambers	3,804.09	cu. feet
nectors	-	cu. feet
n Stone	3,919.16	cu. feet
ovided	7,723.3	cu. feet
Required	7622.00) cu. feet
3.9		



- GENERAL NOTES: 1. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (SHADED), AREA WITH REDUCED FLOOD RISK DUE TO LEVEE AS TAKEN FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR MUNSTER, LAKE COUNTY, INDIANA, MAP NUMBER 18089C0128E, EFFECTIVE DATE JANUARY 18, 2012.
- 2. HYDROLOGIC UNIT CODES: 071200030300630 HART DITCH (PLUM CREEK) DYER DITCH.
- 3. STATE OR FEDERAL WATER QUALITY PERMITS ARE REQUIRED FOR THE PROJECT, A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) IDEM RULE 5 WATER QUALITY PERMIT IS REQUIRED.
- 4. THE SITE CONSISTS PRIMARILY OF DEMOLISHED BUILDINGS, BROKEN ASPHALT AND STONE.
- 5. THERE IS NO PRESENCE OF HYDRIC SOILS ON THIS PROPERTY.
- 6. THERE ARE EXISTING WETLAND AREAS ON THIS PROPERTY AS CLASSIFIED BY THE U.S. FISH AND WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY, AND THE UNITED STATES DEPARTMENT OF THE INTERIOR. HART DITCH (PLUM CREEK) - DYER DITCH IS THE WATER COURSE WHICH THE STORMWATER FROM THE PROPOSED SITE WILL ULTIMATELY DISCHARGE INTO, ITS LOCATED APPROXIMATELY 1 MILE EAST OF THE PROJECT SITE, AND IS CLASSIFIED AS A WATER OF THE U.S., WITH A NWL = 602±.
- 7. POTENTIAL SOURCE OF STORM WATER DISCHARGE ENTERING THE GROUNDWATER FROM THIS DEVELOPMENT WILL BE THROUGH NATURAL GROUND ABSORPTION ONLY. THERE ARE NO ABANDONED WELLS OR SINKHOLES ON THE PROPERTY.
- 8. THERE ARE NO REGULATED DRAINS WITHIN THIS PROPERTY, OR ON ADJACENT PROPERTIES. THERE IS NO RECORD OR KNOWLEDGE OF EXISTING FARM DRAINS OR FIELD TILE, INLETS AND OUTFALLS LOCATED WITHIN THE EXISTING PROPERTY LIMITS.
- 9. SOIL STOCKPILES, BORROW AND DISPOSAL AREAS ARE LOCATED WITHIN THE PROJECT SITE. THERE ARE NO OFFSITE BORROW, STOCKPILES, OR DISPOSAL AREA ASSOCIATED WITH THIS PROJECT. SOIL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCING AT ALL TIMES TO PREVENT EXCESSIVE EROSION, AND IF LEFT UNDISTURBED FOR A PERIOD OF MORE THAN 14 DAYS, IT SHALL BE TEMPORARY SEEDED.
- 10. ALL ACREAGE OF THIS PROPERTY WILL BE DISTURBED DURING CONSTRUCTION.
- 11. FUEL STORAGE AREA SHALL BE WITHIN THE CONSTRUCTION STAGING AREA, FUEL SHALL BE STORED IN APPROVED MOBILE REFUELING TANK LOCATED AWAY FROM DRAINAGE STRUCTURES AND CHANNELS. FIRE EXTINGUISHERS SHALL BE LOCATED NEAR FUEL STORAGE AREA AND BE OF SUITABLE TYPE, POSTED, AND BE MAINTAINED IN GOOD CONDITION
- 12. TEMPORARY SEED ALL AREAS OF BARE SOIL (WITH THE ADDITION OF A BLANKET WHERE SLOPES ARE GREATER THAN 2:1) THAT WILL REMAIN UNDISTURBED FOR A PERIOD OF MORE THAN 14 DAYS. SEEDING: OPTIMUM SEEDING DATED ARE MARCH 1 - MAY 10 AND AUGUST 10 - SEPTEMBER 30. SEEDING DATES BETWEEN MAY 10 AND AUGUST 10, MAY NEED TO BE IRRIGATED. FOR SEEDING RECOMMENDATIONS SEE PRACTICE 3.12, INDIANA STORM WATER QUALITY MANUAL.
- 13. ALL SOIL STOCKPILES, AREAS THAT ARE DISTURBED DURING CONSTRUCTION, AND DRAINAGE SWALES WHICH ARE SCHEDULED OR LIKELY TO BE LEFT INACTIVE FOR FOURTEEN (14) CALENDAR DAYS OR MORE MUST BE TEMPORARILY OR PERMANENTLY SEEDED WITH MEASURES APPROPRIATE FOR THE SEASON.
- 14. LOCATION OF ON-SITE POSTING, OF THE COMPLETE RULE 5 NOI WITH ASSIGNED PERMIT NUMBER, NOS LETTERS, LOCAL SWPPP PERMIT AND LOCATION OF THE COMPLETE SET OF ENGINEERING PLANS, SHALL BE AVAILABLE AT THE ENTRANCE TO THE SITE AND VISIBLE TO THE PUBLIC.
- 15. ALL PUBLIC AND PRIVATE STREETS AND ROADS FRONTING THE PROJECT SHALL BE SWEPT OF ANY DEBRIS, TRASH OR SEDIMENT WHICH MAY ULTIMATELY DRAIN TO STORM SEWER.
- 16. SITE ELEVATIONS ARE BASED ON NAVD 88, AND HORIZONTAL DATUM IS BASED ON INDIANA STATE PLANE COORDINATES NAD 83.



Rensselaer loam, calcareous subsoil variant

SOIL MAP NOT TO SCALE

NORTH

Temporary stabilization plans and sequence of implementation.

a. On site posting of the complete Rule 5 NOI and NOS Letters. Location of the posting and plans shall be made available by the owner contractor.

b. Installation of all erosion/sedimentation controls including stabilized construction entrance, silt fences, etc... per the engineering plans.

c. Clearing and grubbing.

Rs

- d. All disturbed areas shall be permanent seeded, mulched, when no additional disturbance is anticipated.
- e. Topsoil stockpile surrounded with silt fencing.
- f. Rough cut and fill of all proposed swales, road, and other major grading per the engineering plans shall be done to rough grades at start of construction to prevent excessive soil erosion due to construction.
- g. Construction of storm sewers, sanitary sewers, water mains, and other utility, and implementation of storm sewer inlet protection at each open-grate structure (fabric drop inlet protection, basket inlet protection, etc., as per engineering plans).
- *h. Regrade and construct road. i.* Complete permanent erosion control and restoration of site vegetation. Erosion control measures are to be removed upon permanent vegetative cover being established.

RESPONSIBLE INDIVIDUAL FOR SWPPP

COMPANY: NAME:	FIRST METROPOLITAN BUILDERS JACK LIEISER
ADDRESS:	400 FISHER AVENUE
	MUNSTER, IN 46321
PHONE:	(219) 746-0753
E-MAIL:	JACKLIESER@AOL.COM

TORRENGA ENGINEERING, INC.	CONSULTING ENGINEERS & LAND SURVEYORS	
A P.U.D. TO THE TOWN MUNTER. INDIANA TC		STORM WATER POLLUTION PREVENTION PLAN Tel. No.: (219) 836-8918
	06-26-2020 06-05-2020	REVISIONS: DATE: 05-11-2020
CLIENT: Maple Leaf Crossing, LLC 400 Fisher Avenue Munster, Indiana 46321		JUB NU: 2019-5052 SCALE: 1" = 40'
	IEET	5 0



** Seeding done outside the optimum dates increases the chances of seeding failure.

after final grading work is completed and where additional work is n **Requirements:** Site and seedbed preparation: Graded, and lime and fertilizer applie Seed Selected: Selected on the basis of Site Conditions, Soil PH, intended land use level of maintenance see Table for permanent seeding recommendation Fertilize: According to soil test or use 600 lbs/acre 12-12-12 analysis or equiv Mulch: 1.5 - 2 tons/acre straw. Straw must be dry, unchopped and free of u Application Fertilize and line as recommended by soil test. Till the soil to obtain a uniform seedbed, working the fertilizer and l 2-4" deep with a disk or rake operated across the slope. Apply seed uniformly with a drill or cultipacker-seeder, or broadcast a depth of $\frac{1}{4}$ to $\frac{1}{2}$ inch. If drilling or broadcasting, firm the seedbed with a roller or cultipad 4. Mulch all seeded areas. (Note: If seeding is done with a hydroseed 5. mulch can be applied with the seed in a slurry mixture.) Maintenance 1. Inspect periodically, especially after storm events, until the stand is established. (Characteristics of a successful stand include: vigorou bluish-green seedling; uniform density with nurse plants, legumes, a intermixed; green leaves; and the perennials remaining green throug at least at the plant base.) Plan to add fertilizer the following seasons according to soil test rec Repair damaged, bare or sparse areas by filling any gullies, refertilized seeding, and mulching. 4. If plant cover is sparse or patchy, review the plant materials chosen moisture condition, and mulching; then repair the affected area either or by re-seeding, and mulching. 5. If vegetation fails to grow, consider soil testing to determine acidity deficiency problems. (Contact your SWCD or Cooperative Extension assistance.) 6. If additional fertilization is needed to get a satisfactory stand, do so test recommendations. Notes: Permanent seeding optimum dates are March 1 to May 10 and Aug 30, seeding done between May 10 to August 10 may require irrigati seeding may be used as an alternative until preferred date for Perma Retention/Detention area walls and base will be seeded as soon as p 2. permanent seeding when possible, mulch or erosion control blanket seeded areas to protect the soil from wind and water impact. Install Retention/Detention area until seed is established. Seeding Recommendations. This table provides several seeding options. Additional seed species and mixtur commercially. When selecting a mixture, consider site conditions, including soi pH and drainage), slope aspect and the tolerance of each species to shade and Seed species and mixtures Rate per acre Permanent Dormont or frost OPEN AND DISTURBED AREAS (REMAINING IDLE MORE THAN 1 YR.) L. Perennial ryegrass 35 to 50 lbs. 50 to 75 lbs. + white or ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. 20 lbs. 30 lbs. 2. Kentucky bluegrass 10 lbs. 15 lbs. + smooth bromegrass + switchgrass 3 lbs. 5 lbs. + timothy 4 lbs. 6 lbs. 10 lbs. 15 lbs. + perennial ryegrass + white or ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. 22 to 45 lbs. Perennial ryegrass 15 to 30 lbs. + tall fescue** 15 to 30 lbs. 22 to 45 lbs.

PERMANENT SEEDING

+ ladino or white clover* 1 to 2 lbs. 1 ½ to 3 lbs. STEEP BANKS AND CUTS, LOW MAINTENANCE AREAS (NOT MOWED) 1. Smooth bromegrass 25 to 35 lbs. 35 to 50 lbs. + red clover* 10 to 20 lbs. 15 to 30 lbs. 2. Tall fescue** 35 to 50 lbs. 50 to 75 lbs. + white or ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. 3. Tall fescue** 50 to 75 lbs. 35 to 50 lbs. 15 to 30 lbs. + red clover* 10 to 20 lbs. (Recommended north of US 40) ^ to 30 lbs. 30 to 45 lbs. 4. Orchardgrass + red clover* 10 to 20 lbs. 15 to 30 lbs. + ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. Crownvetch* 10 to 12 lbs. 15 to 18 lbs. + tall fescue** 20 to 30 lbs. 30 to 45 lbs. (Recommended south of US 40) LAWNS AND HIGH MAINTENANCE AREAS Bluegrass 105 to 140 lbs. 160 to 210 lbs. 2. Perennial ryegrass (turf-type) 45 to 60 lbs. 70 to 90 lbs. + bluegrass 70 to 90 lbs. 105 to 135 lbs. 3. Tall fescue (turf-type)** 130 to 170 lbs. 195 to 250 lbs. 30 to 45 lbs. + bluegrass 20 to 30 lbs. CHANNELS AND AREAS OF CONCENTRATED FLOW Perennial ryegrass 00 to 150 lbs. 150 to 225 lbs. + white or ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. 20 lbs. 30 lbs. 2. Kentucky bluegrass + smooth bromegrass 10 lbs. 15 lbs. 5 lbs. + switchgrass 3 lbs. 6 lbs. + timothy 4 lbs. 10 lbs. 15 lbs. + perennial ryegrass + white or ladino clover* 1 to 2 lbs. 1 ½ to 3 lbs. Tall fescue** 100 to 150 lbs. 150 to 225 lbs. + ladino or white clover* 1 to 2 lbs. 1 ½ to 3 lbs. Tall fescue** 100 to 150 lbs. 150 to 225 lbs. 22 to 30 lbs. + Perennial ryegrass 15 to 20 lbs. 22 to 30 lbs. + Kentucky bluegrass 15 to 20 lbs.

35 to 50 lbs.

50 to 75 lbs.

* For best results: (a) legume seed should be inoculated; (b) seeding mixtures c should preferably be spring-seeded, although the grass may be fall-seeded and t frost-seeded; and (c) if legumes are fall-seeded, do so in early fall. ** Tall fescue provides little cover for, and may be toxic to, some species of wile recognizes the need for additional research on alternatives to tall fescue, such a orchardgrass, smooth bromegrass, and switch-grass. This research, in conjuncti demonstration areas, should focus on erosion control characteristics, wildlife t durability, and drought resistance.

	DORMAN PANLYRC ST SE D N.	SELF-MONITORING PROGRAM
eets and courts	Purpose: 1. To provide early germination and soil stabilization in the spring.	A self-monitoring program that includes the following must be implemented at all permitted project sites:
is not scheduled.	 To reduce sediment runoff to downstream areas. To repair previous seedings. 	 A trained individual shall perform a written evaluation of the project site a minimum of one (1) time per week and by the end of the next business day following each
blied.	Requirements: Site and seedbed preparation: Graded, lime and fertilizer applied.	measurable storm event.The evaluation must address the maintenance of existing storm water quality measures
use, and expected	Seed Selected: Selected on the basis of Site Conditions, Soil PH, intended land use, and expected level	 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:
uivalent.	of maintenance. See Table for dormant or frost seeding recommendations.	 3. Written evaluation reports must include: a. the name of individual performing the evaluation; b. the date of evaluation;
of undesirable seeds.	Fertilize: According to soil test or use 400-600 lbs/acre 12-12-12 analysis or equivalent.	c. problems identified at the project site; andd. details of corrective actions recommended and completed.
	Application: Dormant seeding is a temporary or permanent seeding application at a time when soil temperatures are too low for germination to occur (less than 50 °F) Frost seeding is a	4. All evaluation reports for the project site must be made available to the MS4 Operator or other designated entity within forty-eight (48) hours of a request.
nd lime into the soil	temporary or permanent seeding application in early spring when soils are in the freeze-thaw stage.	 Evaluation reports must be maintained for a period of two (2) years from date of NOT. All evaluation reports will be submitted to the Town of Munster when requested.
lcasting, and cover to	For Dormant Seeding: (Seeding dates: Dec. 1-Feb. 28)	
packer. eeder, fertilizer and	 Site preparation and mulching can be done months ahead of actual seeding, apply mulch upon completion of grading (Practice 3.15) Broadcast fertilizer as recommended by soil test. 	Date: Project: Inspected by:
	 Broadcast seeding on top of the mulch and/or into existing ground cover at the rate shown on table. (if site preparation occurs within the recommended dates, fertilize and 	Type of Inspection: Scheduled Weekly Rain Event CONSTRUCTION SITE INSPECTION AND MAINTENANCE LOG
l is successfully rous dark green or	lime, seed, and mulch at the time.)	(To be Completed by Property Owner or Agent) All stormwater pollution prevention BMPs shall be inspected and maintained as needed to ensure
es, and grasses well oughout the summer,	 For Frost Seeding: (Seeding dates: Feb. 28 - Mar. 28) 1. Broadcast fertilizer as recommended by a soil test. 2. Select an appropriate seed species or mixture from table for temporary seeding or table 	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
recommendations. tilizing, over- or re-	for permanent seeding, and broadcast on to the seedbed or into the existing ground cover at the rate shown. (Do not work the seed into the soil.)	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 accepted site plans. This log shall be kept as a permanent record and must be made available to the , Town of Munster Town Engineer, in an organized fashion, within forty-eight (48) hours upon request.
sen, soil fertility,	Maintenance:	Yes No N/A 1 1. Are all sediment control barriers, inlet protection and silt fences in place and functioning property?
either by over-seeding dity or nutrient	 Apply 200-300 lbs./acre of 12-12-12 or equivalent fertilizer between Apr. 15 and May 10 or during periods of vigorous growth. Re-seed and mulch any areas that have inadequate cover by mid- to late April. For best 	2. Are all erodible slopes protected from erosion through the implementation of acceptable soil stabilization practices? 3. Are all devatering structures functioning properly?
nsion office for	results, re-seed within the recommended dates shown for temporary seeding or for permanent seeding.	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?
so according to soil		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?
ugust 10 to September	Temporary Dormant or Frost Seeding Recommendations.	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
gation. Temporary rmanent Seeding.	Seed species* Rate per acre	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?
as possible using kets are to be used on	Wheat or rye150 lbs.Spring oats150 lbs.Annual magness60 lbs.	16. Are hazardous materials, waste or otherwise, being properly handled and stored? 17. Have previously recommended corrective actions been implemented?
tall silt fences around	Annual ryegrass 60 lbs. *Perennial species may be used as temporary cover, especially	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.
	if the area to be seeded will remain idle for more than a year.	
tures are available soil properties (e.g., soil nd droughtiness.	MULCHING	
Optimum soil pH	Purpose: To promote seed germination and seedling growth, a temporary surface stabilization, and protecting the soil from wind and water impact.	
	Requirements:	
5.6 to 7.0	Material: Straw, hay, wood fiber or excelsior, see table for Mulch Materials, Rates, and comments.	
5.5 to 7.5	Comments: Coverage: 75% of the soil surface Anchoring: Required to prevent displacement by wind or water, see table for Mulch Anchoring Methods.	REPORT SAMPLE
5.6 to 7.0	Application:1.Apply mulch at the recommended rate.	SPILL PREVENTION AND RESPONSE
5.5 to 7.5	 Spread uniformly by hand, hay fork, mulch blower, or hydromulcher with no more than 25% of the surface visible. Anchor immediately if using straw or hay, using one of the folliwing methods: 	Purpose: Procedures and practices to prevent and control spills in a manner that minimizes or eliminates the discharge of spilled material to the drainage system or watercourses.
	 - Crimp with mulch anchoring tool. - Hydromulch with short cellulose fibers. 	Hazardous Waste Products: Other Waste Products:
5.5 to 7.5	Apply liquid tackifier.Cover with netting secured with metal staples	 Petroleum Products, Asphalt Products, Dust palliatives
5.5 to 7.5	Maintenance: 1. Inspect after storm events to check for movement of mulch or for erosion.	 Concrete Curing Compounds, Pesticides, Acids, Herbicides Growth inhibitors Fertilizers
5.5 to 7.5	 Inspect after storm events to check for movement of much or for erosion. If washout, breakage, or erosion is present, repair the surface, then re-seed, re-mulch. Continue inspections until vegetation is firmly established. 	 Actus, Paints, Stains, Fuels
5 6 to 7 0		 Solvents, Wood Preservatives, Other petroleum distillates
5.6 to 7.0	Exhibit 3.15-B. Mulch Materials, Rates, and Comments. Material Rate Comments	• Roofing Tar, or Any materials deemed a hazardous waste in 40 CFR Parts 110, 117, 261, or 302
5.6 to 7.0	Straw or hay 11/2-2 Should be dry, unchopped, free of	Any matchais defined a nazardous waste in 40 Cr K raits 110, 117, 201, or 502
	tons/acre undesirable seeds. Spread by hand or machine.	Spill Prevention Practices: The following are management practices used for reduction of spills and other accidental
5.5 to 7.0	Must be crimped or anchored (see Exhibit 3.15-D).Wood fiber or1 tonApply with a hydromulcher and use	 exposure of materials and substances to storm water runoff: a. The contractors and subcontractors shall refer to the Material Safety Data Sheet (MSDS) for information on the proper storage, use, and clean-up methods for all
5.6 to 7.0	cellulose/acrewith tacking agent.Long fiber wood1/2-3/4Anchor in areas subject to wind.	materials anticipated being on the project site.b. All required materials for spill clean up and disposal of all onsite materials shall be
5.6 to 7.5	(excelsior) ton/acre	 kept on site in a project trailer with easy access for all users of associated materials c. All disposals of spilled materials shall be done in accordance with Federal, State a
		Local waste disposal regulations. All contractors and subcontractors shall be responsible for any and all spills associated with their work.d. Prompt cleanup of any spills that may occur of liquid or dry materials.
5.6 to 7.0	Exhibit 3.15-D. Mulch Anchoring Methods.	e. Cleanup of sediments that have been tracked by vehicles or have been transported by wind or storm water about the site or onto nearby roadways.
5.5 to 7.5	Anchoring method How to apply Mulch anchoring tool OR Crimp or punch the straw or hay into the soil 2-4 in.	Response Practices: In the event that a large spill occurs (that which requires extensive cleanup actions, refer
	Farm disk (dull, serrated, and set straight)	MSD sheets for information), the following procedures shall be followed to minimize exposure of the material.
5.5 to 7.5	Cleating with dozer tracks Operate dozer up and down slope, not across, or else the tracks will form rills.	a. Immediate action shall be taken to control and contain the spill to prevent it from
5.5 to 7.5	Wood hydromulch fibers Apply 1-2 tons/acre using a hydromulcher at a rate of 750 lbs./acre with a tacking agent (or according	entering any nearby storm sewer structures or open waters.b. Notify the Town of Munster Fire Department at 911 for all combustible and flammable materials.
	to contractor specifications). Do not use in areas of concentrated flow.	 c. Notify the Federal Emergency Spill Hotline at 1-800-424-8802 within 2 hours for spills above the reported allowable quantity, or if the material enters any nearby
	Asphalt emulsion Emulsified asphalt should conform to the requirements of ASTM Spec. #977. Apply with suitable	storm sewer structures or open waters.d. Notify the Indiana Emergency Response Hotline at 1-888-233-7745.
s containing legumes nd the legume	equipment at a rate of 0.05 gal./sq. yd. Do not use in areas of concentrated flow.	 The spill area shall be isolated from all surrounding areas with absorbent pads, booms, and pillows designed for the use of spill containment and absorption. The spill kits that are required to be on site shall be utilized
wildlife. The IDNR	Synthetic tackifier, binder or soil stabilizerApply according to manufacturer's recommendation.Biodegradable nettingApply over mulch and staple with 6-8 in. wire staples.	 f. The spill kits that are required to be on site shall be utilized. g. Emergency Response teams shall be contacted for extensive spills above and beyond the containment by available methods.
ch as buffalograss, nction with a toxicity, turf	Biodegradable netting (polypropylene or simi- lar material)* Apply over mulch and staple with 6-8 in. wire staples. Follow manufacturer's recommendations for in- stallation. Best suited to slope application.	Waste Disposal Management Practices:
e toxicity, turf	* Install the netting immediately after applying the mulch. In areas of concentrated water flow, lay it parallel to the direction of flow; on other slopes, lay it either parallel or perpendicular to direction of	All solid waste associated with the construction and development of this project shall be removed and disposed of properly with in all applicable state and federal laws associated with the waste generated. Developer and/or contractor are to provide on-site dumpsters,
	flow. Edges of adjacent netting strips should overlap 4-6 in., with the strip on the upgrade side of any lateral water flow on top. Installation details are site specific, so follow manufacturer's directions.	rented from a licensed solid waste management company, to ensure waste is collected and disposed of properly. All trash and construction debris from the site will be deposited in
		dumpster. No construction waste will be buried onsite. All personnel will be instructed

regarding the correct procedure for waste disposal. a. Select a designated waste collection area onsite. b. Provide an adequate number of containers with lids or covers throughout the site, and frequent pickups

c. Provide immediate cleanup of any container spills.

d. Make sure that construction waste is collected, removed, and disposed of only at authorized areas.

	TORRENGA ENGINEERING, INC. Consulting engineers & land surveyors 907 ridge road, munster, indiana 46321 Tel No.: (219) 836-8918 website: www.torrenga.com	
	A PLANNED UNIT DEVELOPMENT TO THE TOWN OF MUNSTER, LAKE CO., INDIANA SWPPP DETAILS & SPECIFICATIONS	
No. 19868 STATE OF MOLAN	CLIENT: First Metropolitan Builders 400 Fisher Avenue Munster, Indiana 46321 06–26–2020 06–26–2020 06–05–2020 06–05–2020 06–05–2020 DATE: NTS DATE: 05–11–2020	

an-up methods for all nsite materials shall be

of associated materials. e with Federal, State and

ontractors shall be materials.

cleanup actions, refer to lowed to minimize

802 within 2 hours for al enters any nearby

t and absorption.

full use of the storm drain system during the construction period. Installation: 1. structure frame. Replace the inlet/catch basin grate. Maintenance: 1. inch rainfall, and remove built-up sediment. Replace bag every six (6) months. Replace the Geotextile fabric bag if there is a hole and/or won't pass water.

GENERAL NOTES: FRAME: Top flange fabricated from 1½"×1½"×½" angle. Base rim fabricated from 1½"×½" channel. Handles and suspension brackets fabricated from 1¼"×¼" flat stock. All steel conforming to ASTM-A36. SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

TYPICAL INLET/CATCH BASIN PROTECTION INSERT DETAIL

STREET AND PARKING LOT SWEEPING **Purpose:** To reduce the amount of pollutants that get washed into the storm drain and ultimately transported and deposited in waterbodies.

Application: 1. Sweeping at points of egress where sediment is tracked from project site onto public or private streets and roads.

Limitations 2. May require repeat cleanings.

Maintenance

- remove it.

- hazardous. 6. Adjust brooms frequently; maximize efficiency of sweeping operations.

- Purpose: To prevent excessive sediment from entering storm sewers at inlet/catch basin, allowing
- Requirements: Steel Frame with top width-length dimensions such that the basket fits into the inlet and/or catch basin (circular and/or rectangular), and a replaceable Geotextile fabric bag attached with a steel band locking cap that is suspended from the frame, Catch -all Inlet Protector Hancor Flo-Gard bt Nyloplast or approved equal.
- Install protection to existing and newly installed inlet/catch basin in a new development before land disturbing activities begin in a stabilized area. 2. Remove the grate, and place the basket assembly under the grate on the lip of the
- Inspect weekly during construction and after each storm event of a minimum of 1/2
- Replace the Geotextile fabric bag after any oil, gasoline or solvent spill.



1. Sweeping may be ineffective if soil is wet or heavy accumulation of mud.

1. Inspect potential sediment tracking ingress and egress points locations daily, and after rain 2. Visible sediment observed outside the construction limits shall be swept and removed daily. 3. Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than

4. If not mixed with debris or trash, consider incorporating the removed sediment back into the

5. Be careful not to sweep up any unknown substance or any object that may be potentially

7. After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

SILT FENCE Purpose:

Requirements Trench: 6" minimum depth, flat bottom, filled with compacted soil to bury lower portion of fence fahri

reas by reducing the velocity of sheet flow.

Support : 2" x 2" hardwood stakes set at least 8-inches to 12-inches deep.

Spacing of Support: 6-foot maximum on center.

- Fence height: A 2-ft. minimum or high enough so depth of impounded water does not exceed one-half the height of the fence at any point along the line.
- Attachement: Hardwood laths secured to stakes with five (5) 1-1/2 inch staples.

Fence Fabric: Spunbound polyester material with a fiberglass scrim or net sandwiched in between the layers, SS-700 SiltSaver or approved equal.

Installation:

- 1. Along the entire intended fence line, maintain contour as much as possible, dig a 6" deep flat bottom trench.
- On the downslope side of the trench, drive the post 8" to 12" into the ground. Run a continuous length of fence fabric along upslope side of posts.
- Fasten fence fabric to the upslope side of the stakes, extending it into the trench, and securing it with hardwood laths secured with five (5) 1-1/2 staples. The bottom 12" of the fence fabric shall be left unsecured to allow for entrenchment.
- 5. If a joint is necessary, staple the overlap to the nearest post with a wood lath. 6. Place the bottom 1' of fabric in the 6" deep trench, extending the remaining 4" of fabric toward the upslope side.
- Backfill the trench with compacted earth.

Maintenance:

3.

1. Inspect silt fence once every seven calendar days and 24 hours after each storm event of minimum of 1/2 inch rainfall.

- 2. If fence fabric tears, starts to decompose, or becomes ineffective, replace the affected portion, as outlined by the manufacturer.
- Remove deposited sediment when it reaches one-half the height of the fence at its lowest point or is causing the fabric to bulge.
- Take care to avoid undermining the fence during clean out. After watershed has been stabilized, remove fence and sediment deposits, bring the disturbed area to grade and stabilize.



BE PROVIDED AT ALL SPLICE JOINTS BELTED SILT RETENTION FENCE



Silt Fence Wrap Joint Detail

TOPSOIL SALVAGE & UTILIZATION

Purpose: To provide a method of preserving topsoil for use in establishing vegetation to achieve final site stabilization.

Specifications:

Material Typically the darker, friable, loamy surface layer of soil found immediately below vegetation.

Storage Area

- 1. Free of stumps, rock, and construction debris.
- Stockpile covered with vegetation or a tarp. Surrounded by a sediment barrier or sediment filter.
- 4. Stockpile outside rooting zone of trees to be protected.

Application:

- Salvaging and Stockpiling Topsoil
 - 1. Determine depth and suitability of topsoil at site. 2. Prior to stripping topsoil, install any site-specific down slope measures needed to control storm water runoff and sedimentation.
 - 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 or block drainage.
 - 5. Stockpiled soil should be temporarily seeded and surrounded by a sediment control measure.

Spreading Topsoil

Prior to applying topsoil, grade the subsoil and roughen the top three to four inches

- by disking. 2. Apply topsoil evenly to a depth of a minimum of four inches, then compact slightly
- to improve contact with the subsoil.
- 3. Do not apply topsoil when the site is wet, muddy, or frozen. 4. After spreading the topsoil, grade and stabilize the site.
- Maintenance
- Inspect daily.
- Check for damage to perimeter barrier; repair immediately. 3. Check for erosion or damage to newly spread topsoil; repair immediately and revegetate.

(above grade systems). Installation 1.) Dependent upon the type of system, either excavate the pit or install the containment 2.) A base shall be constructed and prepared that is free of rocks and other debris that may cause tears or punctures in the polyethylene lining.

without seams or overlap of the lining.

Orange safety fencing or equivalent.

Requirements:

5.)

7.)

8.)

equipmen

system

6.) Signage.

- should be secured with pins, staples, or other fasteners. 4.) Place flags, safety fencing, or equivalent to provide a barrier to construction equipment and other traffic.
- 5.) Place a non-collapsing, non-water holding cover over the washout facility prior to a predicted rainfall event to prevent accumulation of water and possible overflow of the system (optional).
- Post signs directing contractors and suppliers to designated locations. 7.)
- 1.) Inspect daily and after each storm event. 2.) Inspect the integrity of the overall structure including, where applicable, the
- 3.) 4.) 5.)
- 6.)
- 7.) Upon removal of the solids, inspect the structure. Repair the structure as needed or construct a new system.
- the material to an approved construction/demolition landfill site. Recycling of material is
- usually damage the lining. 10.) The concrete washout system should be repaired or enlarged as necessary to maintain
- 11.) Concrete washout systems are designed to promote evaporation. However, if the liquids
- 13.) Inspect construction activities on a regular basis to ensure suppliers, contractors, and improperly, identify the violators and take appropriate action.
- shall be closed. Dispose of all hardened concrete and other materials used to construct the
- backfilled, graded, and stabilized.

CONCRETE WASHOUT

Concrete Washout (Above Grade System) Worksheet



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6.) Install signage that identifies concrete washout areas.

Maintenance:

containment system.



unless the manufacturer has alternate specifications.

8.) Dispose of all concrete in a legal manner. Reuse the material on site, recycle, or haul



- capacity for concrete waste.
- the liquids and dispose of them in an acceptable method. Disposal may be allowed at the local sanitary sewer authority provided their National Pollutant Discharge Elimination secondary containment system or basin for further dewatering. 12.) Prefabricated units are often pumped and the company supplying the unit provides this
- service. others are utilizing designated washout areas. If concrete waste is being disposed of
- 14.) When concrete washout systems are no longer required, the concrete washout systems

- do not evaporate and the system is near capacity it may be necessary to vacuum or remove

CONCRETE WASHOUT

Purpose: To reduce the discharge of pollutants associated with concrete waste through consolidation of solids and retention of liquids.

1.) Locate concrete washout systems at least 50 feet from any creeks, wetlands, ditches, karst features, or storm drains/manmade conveyance systems. 2.) Locate concrete washout systems in relatively flat areas with established vegetative

cover and do not receive runoff from adjacent land areas. 3.) Locate in areas that provide easy access for concrete trucks and other construction 4.) Locate away from other construction traffic to reduce the potential for damage to the

Minimum of ten millimeter polyethylene sheeting that is free of holes, tears, and other defects. The sheeting selected should be of an appropriate size to fit the washout system

Straw bales, sandbags (bags should be ultraviolet-stabilized geotextile fabric), soil material, or other appropriate materials that can be used to construct a containment system

3.) Install the polyethylene lining. For excavated systems, the lining should extend over the entire excavation. The lining for bermed systems should be installed over the pooling area with enough material to extend the lining over the berm or containment system. The lining

System permits allow for acceptance of this material. Another option would be to utilize a

15.) Holes, depressions and other land disturbances associated with the system should be



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C-7.1







October 2007



EXHIBIT A

MAPLE LEAF CROSSING A PLANNED UNIT DEVELOPMENT TO THE TOWN OF MUNSTER, LAKE COUNTY, INDIANA

Legal Descriptions:

PARCEL 1 Lot 1 in Munster Business Complex, a Planned Unit Development, in the Town of Munster, as per plat thereof, recorded in Plat Book 110, page 02 in the Office of the Recorder, Lake County, Indiana.

PARCEL 2

Part of the Southeast Quarter of Section 25, Township 36 North, Range 10 West of the Second Principal Meridian, lying West of Lot 1 in Munster Business Complex, a Planned Unit Development, in the Town of Munster, as per plat thereof, recorded in Plat Book 110, page 02 in the Office of the Recorder, Lake County, Indiana, and North of Canadian National Railroad right-of-way, being more particularly described as follows:

Commencing at the Northeast corner of said Section 25; thence South 00° 26' 30" West, along the East line of said Section 25, a distance of 3,054.86 feet; thence North 89° 43' 30" West, along the North line of said Lot 1 extended East, a distance of 756.34 feet to the Northwest corner of said Lot 1 and also being point of beginning; thence South 37° 47' 07" East, along the West line of said Lot 1, a distance of 511.81 feet to the Southwest corner of said Lot 1; thence North 59° 52' 07" West, along the Northerly line of said Canadian National Railroad right-of-way (100 feet wide), a distance of 265.99 feet; thence North 37° 47' 07" West, a distance of 343.63 feet; thence South 89° 43' 30" East, a distance of 127.01 feet to the point of beginning, containing 0.982 acres, more or less, all in the Town of Munster, Lake County, Indiana.

STATE OF INDIANA)
) §
COUNTY OF LAVE	``

COUNTY OF LAKE

We, the undersigned, Maple Leaf Crossings, LLC, do hereby certify that we are the owner of the property herein described and that of its own free will and accord has caused said property to be surveyed and subdivided into lots, blocks and streets as heron shown.

This subdivision shall be known and designated as MAPLE LEAF CROSSING, a Planned Unit Development to the Town of Munster. All streets and easements shown and not heretofore dedicated, are hereby dedicated, to the Town of Munster.

Maple Leaf Crossings, LLC

Jack Lieser, Principal

STATE OF INDIANA

COUNTY OF LAKE

Before me, the undersigned Notary Public, in and for the County and State aforesaid, personally appeared Jack Lieser, on behalf of Maple Leaf Crossings, LLC, personally known to me to be the same persons who signed the attached certificate and acknowledged to me that he executed the same as his own free act and deed.

Witness my hand and Notarial Seal this _____ day of _____, 20___ A.D. My Commission expires:

County of Residence: **STATE OF INDIANA** COUNTY OF LAKE

Submitted to, approved and accepted by the Plan Commission of the Town of Munster, Lake County, Indiana, this

Notary Public

PLAN COMMISSION OF THE TOWN OF MUNSTER, LAKE COUNTY, INDIANA.

_, 20____

Chairman:

day of _

ATTEST: **Executive Secretary:**

STATE OF INDIANA COUNTY OF LAKE

I, Gary P. Torrenga, hereby state that I am a registered Land Surveyor, licensed in compliance with the laws of the State of Indiana; and that to the best of my knowledge, information and belief, the plat within represents a survey made under my direction in accordance with Title 865, Article 1, Rule 12 of the Indiana Administrative Code. The field work for said survey was completed on March 25, 2020; that this plat correctly represents said survey and that all dimensions, linear and angular are correctly shown, and that all monuments or markers shown thereon actually exist, and that their locations, size, type and description are accurately shown. I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security Number in this document, unless required by law.

Witness my hand and Seal this	_ day of	, 20
TORRENGA ENGINEERING, INC.		No. S0514
Gary P. Torrenga - Registered L.S. #S	0514	No. S0514 STATE OF
		TAND SURVEY

UTILITY EASEMENTS:

An easement is hereby granted to the Town of Munster, Indiana, SBC, AT&T, Northern Indiana Public Service Company and other companies identified by the Munster Town Board as supplying public service needs severally and their respective successors and assigns to install, lay, erect, construct, renew, operate, repair, replace and maintain sewers, water mains, gas mains, conduits, cables, poles and wires, underground with all necessary braces, guys, anchors and other appliances, in, upon, along and over the strip or strips of land designated by dotted lines on the plat and marked " easements for public utilities" for the purpose of serving the public in general with sewer, water, gas, electric, telephone and television service, including aerial right as to streets where necessary with aerial service wires to adjacent lots, together with the right to enter upon the said easements for public utilities at all times for any and all of the purposes aforesaid and to trim and keep trimmed any trees, shrubs, or saplings that interfere with any such utility equipment. Any fences, trees, black toppings, vegetation improvements or other potential obstacles to the use of easements shown upon the subdivision plat shall be placed at the risk of the property owner and may be subject to removal in the event of any interference with the use of said easements or drainage of other lots. Changes of yard elevations in easements from those established upon the subdivision plat or noted on plats submitted and approved when building permits are issued that adversely impact drainage of adjoining lots shall be subject to regrading at the owner's expense. All designated utility easements are also hereby dedicated as drainage easements.

FLOOD STATEMENT:

As taken from FEMA Flood Insurance Rate Map (FIRM), Community-Panel Number 18089C0117E, Effective Date January 18, 2012, this property is in Flood Zone X, areas determined to be outside the 0.2 % annual chance floodplain.

OUTLOT A & OUTLOT B (COMMON AREA):

Each Lot (Lots 1 through 7) shall have an unlimited, non-exclusive easement to Outlot A and Outlot B for the purpose of Ingress-Egress and parking.

ENGINEERING, INC.	CUNSULTING ENGINEERS & LAND SURVETURS 907 RIDGE ROAD, MUNSTER, INDIANA 46321 19) 836–8918 www.torrenga.com
TOR	Tel. No.: (2
A PLANNED UNIT DEVELOPMENT TO THE	TOWN OF MUNSTER, LAKE CO., INDIANA FINAL PLAT
	REVISIONS: DATE: 06-05-2020
CLIENT: Maple Leaf Crossing, LLC 400 Fisher Avenue Munster, Indiana 46321	JOB NO: 2019–5052 SCALE: 1" = 40'
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EXISTING BUILDING



DEVELOPMENTAL STANDARDS FOR THE MAPLE LEAF CROSSING DEVELOPMENT AT THE MUNSTER BUSINESS COMPLEX PLANNED UNIT DEVELOPMENT

This document sets forth the developmental standards for the Planned Unit Development known as Maple Leaf Crossing, with street addresses 9352-9482 Calumet Avenue.

I. Planned Unit Development

Maple Leaf Crossing is hereby designated as a Planned Unit Development Special District ("SD-PUD") under Ordinance No. 1788.

A. Permitted uses shall include:

- 1. Hotel
- 2. Professional Office
- 3. Medical or Dental Office or Clinic
- 4. Alcoholic Beverage Retail Sales
- 5. Alcoholic Beverage- Serving Establishment
- 6. Bar or Tavern
- 7. Brewpub
- 8. Craftsman Establishment
- 9. Dry Cleaning without drive-through
- 10. Entertainment Facility
- 11. Financial Services without Drive-through
- 12. Hair, skin, nail care or day spa
- 13. Open air market, including container shops
- 14. Open Front or Open Lot Retail, including container shops
- 15. Pharmacy
- 16. Restaurant, and Restaurant with outdoor dining
- 17. Tailor or Seamstress Shop
- 18. Tasting Room
- 19. Theater or Performing Arts Venue
- 20. Ticket Office
- 21. Veterinary Office Clinic or Hospital

- 22. Warehouse/ retail
- 23. Civic space
- 24. Brewery
- 25. Distillery
- 26. Microbrewery/MicroDistillery/ Microwinery/ Nanobrewery
- 27. Winery
- 28. Food/ Refreshment Stand
- 29. Garden
- 30. Gift Shop
- 31. Massage Services by Indiana licensed masseuse, accessory to Spa or Salon
- 32. Parking Area
- 33. Patio
- 34. Such other uses as approved by the Plan Commission or Town Council
- B. Temporary buildings for construction purposes for a period not to exceed the duration of the construction.
- 2. Use Conditions and Restrictions

A. Hours. Maple Leaf Crossing hours of operation shall be seven days per week as allowed for any like businesses in Commercial Districts in the Town of Munster.

3. Yards

Yards, roadways, walkways, parking and greenspace shall be as set forth in the Approved Development Plan attached hereto as Exhibit A and incorporated herein.

4. Height Regulations

No building shall exceed four stories in height and a maximum of 60 feet.

5. Screening of Mechanicals

All mechanical equipment will be screened as to not be visible by those at street level on all sides of the building.

6. Off-Street Parking Facilities

Off-street parking shall include approximately 358 parking spaces as set forth in the Approved Development Plan.

7. Lot Coverage

Green space shall exceed 7.5% of the total area as set forth in the Approved Development Plan.

8. Pedestrian and Bicycle Access

Sidewalks and bicycle paths shall be located within and upon Maple Leaf Crossing as set forth in the Approved Development Plan.

II. Formula Business Regulations

Any Formula Business that desires to located within the Planned Unit Development must obtain a Special Use permit from the Board of Zoning Appeals. A "Formula Business" is defined as a restaurant or retail establishment which is required by contractual or other arrangements to operate with standardized menus, ingredients, architecture, décor, uniforms, appearance or signage.

The following findings, at a minimum, must be made prior to the issuance of a Special Use Permit for a Formula Business:

- 1. The Formula Business will be compatible with existing surrounding uses, and has been designed and will be operative in a non-obtrusive manner to preserve the community's distinctive character and ambiance;
- 2. The Formula Business will not result in an over-concentration of formula establishments in its immediate vicinity or the Town as a whole;
- 3. The Formula Business will promote diversity and variety to assure a balanced mix of commercial use available to serve both resident and visitor populations;
- 4. The Formula Business will contribute to an appropriate balance of local, regional or national-based businesses in the community;
- 5. The Formula Business will be mutually beneficial to and will enhance the economic health of surrounding uses in the district; and,
- 6. The Formula Business will contribute to an appropriate balance of small, medium and large-sized businesses in the community.

III. Building and Material Requirements

1. Building Design

All building designs and lot plans shall be submitted to the Plan Commission for building site plan approval in accordance with Section 26-6.804.G of the Town's Code of Ordinances. The overall image should be well coordinated, fully integrating components such as entries, displays and signage. Buildings shall comply with the

Approved Development Plan and the Development Standards for the Maple Leaf Crossing Planned Unit Development.

2. Materials and Details

Building materials shall consist primarily of glass, steel, brick, stone, and shipping containers for accents and small businesses as contemplated by the Development Agreement. Proposed materials and colors shall be submitted on a color material sample as a component of building site plan approval application in accordance with Section 26-6.804.G of the Town's Code of Ordinances..

3. Permitted Materials

The following is a list of permitted materials, subject to Town approval during the review process:

- a. Painted aluminum or steel;
- b. Stainless steel;
- c. Solid brass, bronze, copper or pewter;
- d. Enamel coated steel;
- e. Textured or brushed stainless steel;
- f. Galvanized, sandblasted or etched metals;
- g. Natural stone;
- h. Full size brick;
- i. Painted or stained wood in limited amounts
- j. Porcelain, ceramic or glass
- 4. Metals

High quality is expected for all metal applications. Metal such as shop-painted aluminum and steel, stainless steel, solid brass, bronze, copper, pewter, or enamel coated steel may be used for hardware, trim and panels when well designed and detailed.

- a. Lap joints and seams must be even and straight and concealed when possible. Outside corners are to be mitered or continuous break shaped.
- b. Fabrication must be either heavy gauge material or thinner gauge material shop laminated to solid backing. In no case are oil canning (resulting from light reflection from an uneven or buckled surface), scratches, warps, dents, occlusions, visible seams or other imperfections allowed.
- c. Sealants on natural metals are required to prevent tarnishing.

- d. Textured or brushed stainless steel, galvanized, sandblasted and etched metals are encouraged in creative applications. Unique treatments such as patina, rusted, etched and imprinted metals will be considered for special design objectives.
- e. Polished metals should be solid, not plated and limited to accent trim.
- 5. Natural Stone
 - a. Granite, marble, limestone, slate and other natural stone materials may be used in building applications. Stone may be polished, unpolished, sandblasted, flamed, honed, split face or caved. Careful, craftsman-like attention to detail is required at all connections and transitions to other materials.
 - b. Edge details must prevent visible unfinished edges. Exposed edges must be quirk mitered, chamfered or polished to match adjacent surface finish.
 - c. The transition between stone and adjoining materials must be defined by use of metal reveals.
 - d. Stone use as a paving material must be flush when meeting other flooring materials.
 - e. Natural stone must be protected against staining and discoloration by means of sealers appropriate to the material.
- 6. Wood
 - a. Painted or stained wood may be used in many design applications, such as window frames, decorative trim or molding, and for solid areas, such as decorative bulkheads. In some cases, it may be used for larger architectural elements, such as columns and entablatures. Wood paneling and plank construction are not acceptable unless presented in a highly imaginative concept and approved by the Town.
 - 1. Wood used in the construction of the building must be kiln dried, mill quality, or marine grade hardwood and must meet local frame spread requirements.
 - 2. Painted wood must have a shop quality enamel finish.
 - 3. Wood without a paint finish must receive a clear, preservative sealant.
 - 4. Extensive use of natural wood finishes is discouraged.
- 7. Tile
- a. Tile may be used in diverse applications. Its use is encouraged to introduce light, decorative texture or graphic quality to a storefront.
 - 1. Porcelain ceramic or glass tiles in glazed or natural finishes may be used as accents and in limited field applications. Patterns used over large areas are expected t have a sophisticated, well executed design concept.

- 2. Small and intricate mosaic tile patterns may be utilized for detail and accent only.
- 3. All tiles must be carefully detailed at outside corners with bull nose edges or special corner trims. Lapped or butt joints are not permitted.
- 8. Glazing
 - a. The creative use of glazing and other building front design elements is encouraged and must be carefully detailed.
 - 1. Large panes
 - 2. All glass
 - 3. Stained, leaded
 - 4. Glass block
 - 5. In frameless assemblies,
 - 6. Aluminum, metal or wood building
 - 7. All aluminum framing
 - 8. Tinted glass is permitted, however, reflective glass (including mirroring) is not permitted.
- 9. Lighting
 - a. Lighting fixtures shall be high quality commercial grade. The fixtures shall be constructed and installed to be glare free and shall comply with all applicable code requirements.
 - b. Recessed or appropriately styled surface mounted halogen incandescent, ceramic metal halide, or solid state (LED) sources are permitted. 2077 to 3000 k is the required color temperature range of these sources, with a minimum Color Rendering Index (CRI) of 80.
 - c. Fluorescent fixtures are not permitted.
 - d. The lighting plan shall be of the design and layout set forth in the Approved Development Plan.
 - e. A detailed lighting plan for each building and lot shall be submitted for Plan Commission approval as a component of a site plan approval application in accordance with the procedure of Section 26-6.804.G of the Town's Code of Ordinances and the standards of the Development Plan and Development Standards.
- 10. Prohibited Materials
 - 1. The following is a list of prohibited materials. In rare instances, special consideration may be given for the use of a prohibited material if its application is highly original, creative and essential to the theme

or design concept of the building front. Exceptions may be granted by the Plan Commission solely at its discretion as a component of a building site plan approval application in accordance with Section 26-6.804.G of the Town's Code of Ordinances.: Plastic laminates, except for high pressure laminates such as Prodema and Trespa or similar.

- 2. Glossy, or large expanses of acrylic or Plexiglass
- 3. Pegboard
- 4. Mirror
- 5. Mirrored glass (but not tinted glass)
- 6. Vinyl, fabric or paper
- 7. Plywood or particle board
- 8. Sheet or modular vinyl
- 9. Luminous ceiling, including "egg crate"
- 10. Shingles, shakes, rustic siding
- 11. Drywall
- 12. Stucco, exterior insulation finishing system (EIFS) or similar products

IV. Signage Design Criteria

Signage shall be compliant with §26-6.701 unless a variance is obtained from the Board of Zoning Appeals.

- V. Landscape Design Criteria Landscaping for Maple Leaf Crossing shall generally be in accordance with the Landscaping Plan attached hereto as Exhibit C and incorporated herein. Other Developmental Standards
- VI. Other Development Standards

The Approved Development Plan and Development Standards shall govern the development of Maple Leaf Crossing PUD. The development standards for zoning district CD-4.A set forth in Zoning Ordinance 1788, Table 26-6.405.A-6 shall apply to matters not addressed in the Approved Development Plan and Development Standards.

VII. All construction on the building sites on lots 1 through 7 of the Approved Development Plan are subject to approval by the Munster Plan Commission in accordance with the procedure set forth in Section 26-6.804.G of the Town's Code of Ordinances according to the terms and standards of the Approved Development Plan and Development Standards for Maple Leaf Crossing PUD or section VI above, if applicable.



	LANDSCAPE ORDINANCE REVIEW:	MUNSTER, INDIANA	
SPECIFIC ORDINANCE	CODE REQUIRES	CALCULATION	COMPLIANCE
SECTION 3.1.a	ONE TREE PER THIRTY (30) LINEAR FEET OF FRONTAGE ON A PUBLIC RIGHT-OF-WAY.	MAPLE LEAF BOULEVARD = 722 L.F. = 24 TREES REQUIRED	PROVIDED
SECTION 3.1.b	TWO (2) INCH MINIMUM CALIPER TREES.	N/A	PROVIDED
SECTION 3.2.a	SEVEN (7) FOOT WIDE PERIMETER LANDSCAPED AREA (2 FOOT CAR OVERHANG, 5 FOOT AREA).	N/A	PROVIDED, WHERE POSSIBLE
SECTION 3.2.c	TREE PLANTING REQUIRED IN PERIMETER LANDSCAPED AREA AT A RATE OF ONE PER THIRTY (30) FEET OF LINEAR FRONTAGE.	N/A	PROVIDED, WHERE POSSIBLE
SECTION 3.3.a	PARKING LOTS ABOVE 30,000 SQUARE FEET: LANDSCAPED AREA EQUAL TO TEN PERCENT OF TOTAL AREA.	132,406 S.F x 10% OF AREA = 32,406 S.F.	PROVIDED TOTAL LANDSCAPE AREA = 37,496 S.F.
SECTION 3.3.b	ONE TREE PER 125 SQUARE FEET OF REQUIRED LANDSCAPED AREA.	32,406 S.F. OF REQUIRED LANDSCAPE AREA = 260 TREES	(103) TREES PROVIDED. BUILDINGS, UTILITIES, VISION TRIANGLES PREVENT ADDITIONAL TREES.
SECTION 3.5.c	SIX (6) FOOT HEIGHT MASONRY SCREEN WALL REQUIRED AROUND ALL NEWLY INSTALLED DUMPSTERS AND OTHER TRASH COLLECTION BINS AND AREAS, FURNISHED WITH OPAQUE, LOCKABLE GATES, ALL MASONRY WALLS TO HAVE 'CLIMBING' VINES PLANTED IN AVAILABLE SOIL AT THE BASE OF THE WALL IN A SUFFICIENT MANNER TO COVER.	N/A	PROVIDED
SECTION 4.7	AN INSTRUCTIONAL SIGN NO SMALLER THAN EIGHT AND ONE-HALF-INCH BY 11-INCH LAMINATED TO PROTECT THE SIGN SHALL BE PLACED AT THE SITE STATING THE FOLLOWING: "IF YOU SEE ANY PROBLEMS WITH THIS LANDSCAPE PLAN OR THE CONSTRUCTION OF IT, PLEASE CALL THE TOWN OF MUNSTER, BUILDING DEPARTMENT AT 219-836-6990.	N/A	TO BE PROVIDED ON CONSTRUCTION SITE
SECTION 4.8	BY REQUIRING THE FOLLOWING NOTICES TO BE POSTED AT A JOB SITE, NEIGHBORS AND INTERESTED PEOPLE CAN VERIFY IF THE APPROVED PLANS ARE BEING MAINTAINED AS APPROVED.	N/A	SEE LIST ON SHEET L102

EXHIBIT C

PLANTING NOTES

- 1. SEE SHEET L101 FOR PLANTING PLAN. SEE SHEET L201 FOR PLANTING DETAILS.
- 2. THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK.
- 3. ESTIMATED SCHEDULE FOR PLANTING IS FALL 2021.
- 4. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE GRAPHIC SYMBOLS SHOWN ON THE PLAN SHALL DICTATE.
- 5. PLANT MATERIALS:
- 5.1. ALL PLANT MATERIALS SHALL MEET OR EXCEED THE AMERICAN STANDARDS FOR NURSERY STOCK, 1986 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
- 5.2. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, AND FREE FROM INSECT PESTS, PLANT DISEASES, AND INJURIES.
- PLANTS SHALL BE EQUAL TO OR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST. 5.3. TREES SHALL HAVE STRAIGHT TRUNK WITH LEADER INTACT, UNDAMAGED AND UNCUT. BRANCHING MUST BE
- WELL DEVELOPED.
- 5.4. ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION.
- 5.5. NO SUBSTITUTIONS OF PLANT MATERIALS WILL BE ALLOWED. IF PLANTS ARE NOT AVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT I.D. AT NURSERY OR CONTRACTORS OPERATIONS PRIOR TO MOVING TO JOB SITE. PLANTS MAY BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE BY LANDSCAPE ARCHITECT.
- 5.6. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IN WRITING PRIOR TO BID DATE OF ANY PLANTS HE/SHE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED ON PLANS

6. IRRIGATION:

- 6.1. CONTRACTOR SHALL PROVIDE BID ALTERNATE FOR IRRIGATION SHALL BE PROVIDED PER IRRIGATION PERFORMANCE DRAWING AND NOTES.
- 6.2. IF BID ALTERNATE OF IRRIGATION SYSTEM IS NOT SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR ESTABLISHMENT WATERING THROUGH TEMPORARY FACILITIES, WATERING BAGS, ETC., AS APPROVED BY OWNER FOR PLANT WARRANTY.

TOPSOIL & PLANTING MIXTURES:

- 7.1. CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
- 7.2. SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE AND/OR AS DIRECTED BY LANDSCAPE
- ARCHITECT AND STOCKPILE FOR REUSE IN LOCATION APPROVED BY OWNER.
- 7.3. TOPSOIL SHALL BE MATERIALS CONSISTING OF FERTILE, FRIABLE, FIND SANDY LOAM, UNIFORM IN COMPOSITION ANDFREE OF SUBSOIL, STONES, LUMPS, CLODS OF HARD EARTH, PLANTS, PLANT ROOTS, STICKS, NOXIOUS WEEDS, SLAG, CINDERS, DEMOLITION DEBRIS OR OTHER EXTRANEOUS MATTER OVER 1" IN LARGEST DIMENSION. 7.4. EXISTING TOPSOIL SHALL BE PREPARED BY THOROUGHLY MIXING IN ORGANIC MATTER AT THE RATE OF 1/3 VOLUME OF SOIL REPLACED.
- 7.4.1. ADJUST SOIL TO A pH OF 6.0 TO 6.5.
- 7.4.2. ORGANIC MATTER: 4% MIN, 10% MAX
- 7.4.3. AVAILABLE PHOSPHORUS: 25 PPM, MIN
- 7.4.4. EXCHANGEABLE POTASSIUM: 125 PPM, MIN
- 7.5. PEATMOSS TO BE USED ON PROJECT SHALL BE DOMESTIC OR IMPORTED MATERIAL, CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO BE MILDLY ACIDIC IN CHARACTER AND SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
- 7.6. SEED & SOD AREAS SHALL RECEIVE A MINIMUM OF 4" DEPTH OF TOPSOIL.
- 7.7. PLANTING BEDS SHALL RECEIVE MINIMUM 6" DEPTH OF AMENDED TOPSOIL.
- 8. MULCH MATERIALS:
- 8.1. ALL MULCH MATERIALS SHALL BE PROCESSED DOUBLE SHREDDED HARDWOOD BARK MULCH OF UNIFORM SIZE.
- NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. SUBMIT SAMPLE TO ARCHITECT. 8.2. MULCH SHALL BE 2-INCH THICKNESS MINIMUM COVERAGE IN ALL AREAS OF TREE PITS OR PLANTING BEDS,
- UNLESS OTHERWISE NOTED. 8.3. MULCH SHALL BE HELD 1" BELOW SURFACE ELEVATION OF DOWNHILL SIDE OF WALK, SLAB, CURB, LAWN, ETC.
- 9. LANDSCAPE BED EDGING:
- 9.1. ALL LANDSCAPE BED EDGING SHALL BE SHOVEL-CUT SPADE EDGE BETWEEN LAWN AREAS, UNLESS OTHERWISE NOTED.

10. STORAGE, INSTALLATION, MAINTENANCE & WARRANTY:

- 10.1. CONFIRM LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- 10.2. EXISTING TREES FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. NO VEHICLES OR EQUIPMENT ARE ALLOWED WITHIN THE DRIP LINE OF TREES TO BE PROTECTED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- 10.3. PRUNING AND REMOVAL OF BRANCHES ON EXISTING TREES SHALL BE DIRECTED IN THE FIELD BY OWNER OR LANDSCAPE ARCHITECT.
- 10.4. EQUIPMENT, PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE STORED OUTSIDE OF THE DRIPLINE OF TREES TO BE PROTECTED AND PLACED WHERE THEY WILL NOT CONFLICT W/ CONSTRUCTION OPERATIONS.
- 10.5. NEW PLANTING AREAS ARE TO BE TREATED WITH HERBICIDE TO KILL ALL EXISTING GROUNDCOVER. THERE SHALL BE A MINIMUM OF TWO (2) APPLICATIONS SEPARATED BY 10 DAYS. IF ALL EXISTING GROUNDCOVER VEGETATION IS NOT KILLED WITHIN 10 DAYS OF 2ND APPLICATION, A 3RD APPLICATION IS REQUIRED.
- 10.6. WHERE PROPOSED PLANTING ARE INDICATED IN EXISTING PAVING AREAS, CONTRACTOR SHALL EXCAVATE A MINIMUM OF 2'-0" BELOW PAVING SURFACE.
- 10.7. FINAL PLACEMENT OF PLANT MATERIALS, ETC., SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOOD STAKE INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND PLANTING BED LINES SHALL BE MARKED W/ HIGHLY VISIBLE PAINT LINES W/ OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTING OPERATIONS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANT LOCATIONS ON SITE.
- 10.8. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 10.9. PRIOR TO FINAL PAYMENT, CONTRACTOR SHALL COORDINATE A FINAL INSPECTION WALK-THROUGH WITH OWNER AND LANDSCAPE ARCHITECT FOR OWNER ACCEPTANCE. THE LANDSCAPE ARCHITECT WILL PROVIDE A PUNCHLIST OF ANY DEFICIENCIES AND PROVIDE TO OWNER AND CONTRACTOR FOR REVIEW.
- 10.10. INCLUDE PRICING WITH THE BID FOR A 60-DAY MAINTENANCE PERIOD OF ALL LANDSCAPE PLANTINGS FOLLOWING COMPLETE INSTALLATION AND FINAL INSPECTION BY LANDSCAPE ARCHITECT. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, MULCHING, MOWING, AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF LAWNS AND PLANTINGS.
- 10.11. ALL LANDSCAPE PLANTINGS SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. AT THE END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR. THE REPLACEMENTS SHALL ALSO BE WARRANTED FOR 1 YEAR.

IRRIGATION NOTES:		PLANTING SCHEDULE					
1. CONTRACTOR SHALL PROVIDE DESIGN/BUILD IRRIGATION SYSTEM PER THE IRRIGATION NOTES I		KEY QTY.	BOTANICAL NAME		SIZE SPACIN	G COMMENTS	
 DESIGN GUIDELINES: CONTRACTOR TO VERIFY PRESSURE AND AVAILABLE WATER SERV EMISSION (LAWNS): HUNTER I-40 SPRAY ROTARS (OR APPROVED EQUAL) 	CE SIZE	DECIDUOUS TR					
1.3.DRIP (BEDS):HUNTER HDL-CV (OR APPROVED EQUAL)1.4.QUICK COUPLER:HUNTER QCV - 3RC		AMM 13		STATE STREET MAPLE	2.5" CAL.	B&B SPECIMEN	
I.5. CONTROLLER: HUNTER HCC (OR APPROVED EQUAL)							
.6.SENSOR:HUNTER SOLAR-SYNC & HC FLOW METER (OR APPROVED EQUAL).7.PIPING:PVC OR APPROVED EQUAL		CO 8	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2.5" CAL.	B&B SPECIMEN	
		GTS 23	GLEDITSIA TRIACANTHOS 'SKYCOLE'	SKYLINE HONEYLOCUST	2.5" CAL.	B&B SPECIMEN	
CONTRACTOR SHALL PROVIDE A QUALIFIED IRRIGATION DESIGNER OR IRRIGATION CONSULTANT SYSTEM FOR EFFICIENT AND UNIFORM DISTRIBUTION OF WATER. "QUALIFIED" MEANS CERTIFIED		LS 12	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2.5" CAL.	B&B SPECIMEN	
		PAE 7	PLATANUS X ACERFOLIA 'MORTON CIRCLE'	EXCLAMATION LONDON PLANE TREE	2.5" CAL.	B&B SPECIMEN	
.1. CERTIFIED IRRIGATION CONTRACTOR (CIC) .2. CERTIFIED LANDSCAPE IRRIGATION AUDITOR (CLIA)		QM 8	QUERCUS MACROCARPA	BUR OAK	2.5" CAL.	B&B SPECIMEN	
2.3. CERTIFIED LANDSCAPE IRRIGATION MANAGER (CLIM) 2.4. CERTIFIED IRRIGATION DESIGNER (CID)		TAR 8	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	2.5" CAL.	B&B SPECIMEN	
2.5. CERTIFIED WATER CONSERVATION MANAGER-LANDSCAPE (CWCM)		EVERGREEN TR	REES				
SYSTEM DESIGN:		JVH 3	JUNIPERUS VIRGINIANA 'CUPRESSIFOLIA'	HILLSPIRE EASTERN REDCEDAR	6'-8' HT. 6' O.C.	B&B SPECIMEN	
3.1. THE SYSTEM SHALL BE COMPRISED OF EITHER:		PGD 10	PICEA GLAUCA 'DENSATA'	BLACK HILLS SPRUCE	8'-10' HT.	B&B SPECIMEN	
3.1.1. DRIP/MICRO-IRRIGATION COMPONENTS THAT ALLOW FOR HIGHER DISTRIBUTION UNIF EVAPORATION AND RUNOFF.	JRMITY AND LOWER	TGG 9	THUJA PLICATA x STANDISHII 'GREEN GIANT'	GREEN GIANT CEDAR	8'-10' HT.	B&B SPECIMEN	
3.1.2. THE DESIGN AND LAYOUT OF THE EMISSION DEVICES PROVIDES FOR ZERO OVERSPR/ A STREET, PUBLIC DRIVEWAY OR SIDEWALK, PARKING AREA, BUILDING, FENCE OR AD,		ORNAMENTAL ⁻	TREES				
OVERSPRAY MAY OCCUR DURING THE OPERATION OF THE IRRIGATION SYSTEM DUE T CONDITION THAT DIFFER FROM THE DESIGN CRITERIA.		AG 2	ACER GRISEUM	PAPERBARK MAPLE	8' HT.	SINGLE-TRUNK SPECIMEN	
SYSTEM CONTROLLER:		AAB 10	AMELANCHIER 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT.	MULTI-STEM SPECIMEN	
4.1. THE SYSTEM SHOULD USE A CONTROLLER THAT HAS MULTI-PROGRAM CAPABILITY WITH AT	LEAST FOUR START	CVW 10	CRATAEGUS VIRIDIS 'WINTER KING'	THORNLESS COCKSPUR HAWTHORN	8' HT.	MULTI-STEM SPECIMEN	
TIMES(FOR MULTIPLE REPEAT SOAK CYCLES) AND RUN TIME ADJUSTMENT IN ONE MINUTE I CONTROLLER PROGRAMMING (SCHEDULING) SHOULD BE MANAGED TO RESPOND TO THE C		DECIDUOUS SH					
WATER IN THE LANDSCAPE.		AIB 10	ARONIA MELANOCARPA 'MORTON'	IROQUOIS BEAUTY CHOKEBERRY	#3 CONT. 36" O.C		
DESIGN FEATURES:		CAC 21	CLETHRA ALNIFOLIA 'CALEB'	VANILLA SPICE SUMMERSWEET	#3 CONT. 48" O.C		
 FOLLOW ALL ORDINANCES RELATING TO IRRIGATION SYSTEMS INCLUDING THE INSTALLATION DEVICES. 	JN OF BACKFLOW		CORNUS SERICEA 'FARROW'	ARCTIC FIRE DOGWOOD	#3 CONT. 48" O.C		
2. INSTALL A MASTER VALVE TO STOP UNSCHEDULED FLOW OF IRRIGATION WATER		CSA 11					
 A DESIGN THAT RESULTS IN UNIFORM AND EFFICIENT COVERAGE. SPRINKLER HEAD SPACIN MINIMUM OF "HEAD-TO-HEAD" (MINIMUM 50% OF DIAMETER) UNLESS THE COVERAGE IS DES 		HPB 25	HYDRANGEA PANICULATA 'BOBO'	BOBO HYDRANGEA	#3 CONT. 48" O.C		
DE-RATING. WIND DE-RATING SHOULD BE BASED ON AVERAGE NIGHTTIME WIND SPEED. 4. A MINIMUM OF "HEAD-TO-HEAD" (MINIMUM OF 50% OF DIAMETER) UNLESS THE COVERAGE IS		RAG 102	RHUS AROMATICA 'GRO LOW'	GRO-LOW SUMAC	#3 CONT. 48" O.C		
DE-RATING. WIND DE-RATING SHOULD BE BASED ON AVERAGE NIGHTTIME WIND SPEED. DE		RKR 24	ROSA 'RADRAZZ'	RADRAZZ KNOCKOUT ROSE	#3 CONT. 48" O.C		
OVERSPRAY ONTO HARDSCAPES, FENCES, BUILDINGS AND ADJOINING PROPERTY. 5. HAVE SEPARATE STATIONS/ZONES (HYDROZONES) FOR AREAS WITH DISSIMILAR WATER OF	SCHEDULING	SPB 24	SYRINGA PENDA 'BLOOMERANG'	BLOOMERANG DWARF LILAC	#3 CONT. 36" O.C		
REQUIREMENTS 6. PROVIDE SENSOR TO SUSPEND IRRIGATION DURING WET WEATHER CONDITIONS.		EVERGREEN SH	IRUBS				
7. PROVIDE FLOW METER FOR MONITORING FLOW CONDITIONS AND SAVING WATER.		BGV 42	BUXUS 'GREEN VELVET'	GREEN VELVET BOXWOOD	#3 CONT. 48" O.C		
 PROVIDE OWNER WITH WALKTHROUGH FOR SYSTEM OPERATIONS, PRIOR TO FINAL ACCEP PROCEDURES FOR CONTROLLER PROGRAMMING, MAINTENANCE AND WINTERIZATION. 	ANCE. INCLUDE	JGO 34	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL COMPACT JUNIPER	#3 CONT. 48" O.C		
		RPJ 10	RHODODENDRON 'PJM'	PJM RHODODENDRON	#3 CONT. 48" O.C		
		ORNAMENTAL	GRASSES				
LLOWING TO BE POSTED ON-SITE PER SECTION 4.8 1. A COPY OF THE APPROVED LANDSCAPE PLAN:		CKF 144	CALAMOGROSTIS X 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#3 CONT. 36" O.C		
1. A COPY OF THE APPROVED LANDSCAPE PLAN: 1.1. NO SMALLER THAN 11 INCHES BY 17 INCHES		PVS 49	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	#3 CONT. 36" O.C		
1.2. LAMINATED TO PROTECT THE PLAN		PAH 17	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	#1 CONT. 24" O.C		
1.3. SHOWING ALL PLANT TYPES, SIZES, AND LOCATIONS		SH 93	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	#1 CONT. 24" O.C		
2. AN INSTRUCTIONAL SIGN:			GROUNDCOVERS		#100111. 24 0.0		
2.1. NO SMALLER THAN 11 INCHES BY 17 INCHES2.2. LAMINATED TO PROTECT THE SIGN							
2.3. STATING THE FOLLOWING:		ASM 153	ALLIUM 'MILLENIUM'		#1 CONT. 18" O.C.		
2.3.1. "THE OWNER OF THIS SITE HAS AGREED TO INSTALL AND MAINTAIN THE REQUIRED THIS SITE IN ACCORDANCE WITH THE TOWN OF MUNSTER LANDSCAPE ORDINANCE		CJ 28	CLEMATIS 'JACKMANII'	JACKMAN'S CLEMATIS	#1 CONT. 48" O.C	TRAIN AS VINE	
REQUIRES THE FOLLOWING: 2.3.2. NEW TREES AND SHRUBS WILL BE WATERED FOR THE FIRST TWO YEARS UNTIL FIR	MLY ESTABLISHED.	EPM 121	ECHINACEA 'CBG CONE2'	PIXIE MEADOWBRITE CONEFLOWER	#1 CONT. 24" O.C		
2.3.3. NEW TREES AND SHRUBS WILL BE PRUNED TO REMOVE DEAD OR DAMAGED WOOD		GR 30	GERANIUM 'ROZANNE'	ROZANNE GERANIUM	#1 CONT. 24" O.C		
2.3.4. MULCH IN PLANTING BEDS WILL BE MAINTAINED AT A DEPTH OF THREE INCHES.2.3.5. ALL PLANTING BEDS AND TREE MULCH CIRCLES WILL BE WEEDED REGULARLY.		HHR 68	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	#1 CONT. 24" O.C		
2.3.6. PERENNIALS AND HERBACEOUS SHRUBS WILL BE PRUNED BEFORE THE ONSET OF GROWTH.	NEW SPRING	HSC 97	HEMEROCALLIS 'STRAWBERRY CANDY'	STRAWBERRY CANDY DAYLILY	#1 CONT. 24" O.C		
2.3.7. ALL GRASS WILL BE MOWED REGULARLY (I.E. ONCE PER WEEK) DURING THE GROW	ING SEASON.	LSS 95	LEUCANTHEMUM SUPERBUM 'SNOWCAP'	SNOWCAP SHASTA DAISY	#1 CONT. 18" O.C.		
3. THE SIGN SHALL ALSO STATE: "IF YOU SEE ANY PROBLEMS WITH THE LANDSCAPING (NE THIS SITE OR THE	NCM 85	NEPETA 'CATS MEOW'	CAT'S MEOW NEPETA	#1 CONT. 24" O.C		
3. THE SIGN SHALL ALSO STATE: "IF YOU SEE ANY PROBLEMS WITH THE LANDSCAPING (MAINTENANCE OF IT, PLEASE CALL THE TOWN OF MUNSTER, BUILDING DEPARTMENT AT 219-8		RLG 53	RUDBECKIA 'LITTLE GOLDSTAR'	LITTLE GOLDSTAR BLACK-EYED SUSAN	#1 CONT. 18" O.C.		
						1	
		SMN 174	SALVIA 'MAY NIGHT'	MAY NIGHT SALVIA	#1 CONT. 18" O.C.		

IRRIGATION NOTES:			PLANTING SCHEDULE						
	ROVIDE DESIGN/BUILD IRRIGATION SYSTEM PER THE IRRIGATION NOTES BELOW:	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS	
1.1.DESIGN GUIDELINE1.2.EMISSION (LAWNS)									
.3. DRIP (BEDS): .4. QUICK COUPLER:	HUNTER HDL-CV (OR APPROVED EQUAL) HUNTER QCV - 3RC	AMM			STATE STREET MAPLE	2.5" CAL.		B&B SPECIMEN	
5. CONTROLLER:	HUNTER HCC (OR APPROVED EQUAL)		1 13						
6. SENSOR: 7. PIPING:	HUNTER SOLAR-SYNC & HC FLOW METER (OR APPROVED EQUAL) PVC OR APPROVED EQUAL	СО	8	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2.5" CAL.		B&B SPECIMEN	
. FIFING.	FVG OR AFFROVED EQUAL	GTS	23	GLEDITSIA TRIACANTHOS 'SKYCOLE'	SKYLINE HONEYLOCUST	2.5" CAL.		B&B SPECIMEN	
	ROVIDE A QUALIFIED IRRIGATION DESIGNER OR IRRIGATION CONSULTANT TO DESIGN THE AND UNIFORM DISTRIBUTION OF WATER. "QUALIFIED" MEANS CERTIFIED BY ONE THE	LS	12	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2.5" CAL.		B&B SPECIMEN	
FOLLOWING AGENCIES I		PAE	7	PLATANUS X ACERFOLIA 'MORTON CIRCLE'	EXCLAMATION LONDON PLANE TREE	2.5" CAL.		B&B SPECIMEN	
	TION CONTRACTOR (CIC) CAPE IRRIGATION AUDITOR (CLIA)	QM	8	QUERCUS MACROCARPA	BUR OAK	2.5" CAL.		B&B SPECIMEN	
3. CERTIFIED LANDSC	CAPE IRRIGATION MANAGER (CLIM)	TAR	8	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	2.5" CAL.		B&B SPECIMEN	
	TION DESIGNER (CID) CONSERVATION MANAGER-LANDSCAPE (CWCM)	EVER		REES					
		JVH	3	JUNIPERUS VIRGINIANA 'CUPRESSIFOLIA'	HILLSPIRE EASTERN REDCEDAR	6'-8' HT.	6' O.C.	B&B SPECIMEN	
SYSTEM DESIGN: 1. THE SYSTEM SHAL	L BE COMPRISED OF EITHER:	PGD			BLACK HILLS SPRUCE	8'-10' HT.	0.0.	B&B SPECIMEN	
3.1.1. DRIP/MICRO-II	RRIGATION COMPONENTS THAT ALLOW FOR HIGHER DISTRIBUTION UNIFORMITY AND LOWER			PICEA GLAUCA 'DENSATA'					
	N AND RUNOFF. AND LAYOUT OF THE EMISSION DEVICES PROVIDES FOR ZERO OVERSPRAY ACROSS OR ONTO	TGG		THUJA PLICATA x STANDISHII 'GREEN GIANT'	GREEN GIANT CEDAR	8'-10' HT.		B&B SPECIMEN	
,	JBLIC DRIVEWAY OR SIDEWALK, PARKING AREA, BUILDING, FENCE OR ADJOINING PROPERTY. MAY OCCUR DURING THE OPERATION OF THE IRRIGATION SYSTEM DUE TO THE ACTUAL WIND	ORNA		IREES			1	1	
	HAT DIFFER FROM THE DESIGN CRITERIA.	AG	2	ACER GRISEUM	PAPERBARK MAPLE	8' HT.		SINGLE-TRUNK SPECIMEN	
SYSTEM CONTROLLER:		AAB	10	AMELANCHIER 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT.		MULTI-STEM SPECIMEN	
	JLD USE A CONTROLLER THAT HAS MULTI-PROGRAM CAPABILITY WITH AT LEAST FOUR START	CVW	10	CRATAEGUS VIRIDIS 'WINTER KING'	THORNLESS COCKSPUR HAWTHORN	8' HT.		MULTI-STEM SPECIMEN	
CONTROLLER PRO	PLE REPEAT SOAK CYCLES) AND RUN TIME ADJUSTMENT IN ONE MINUTE INCREMENTS. THE GRAMMING (SCHEDULING) SHOULD BE MANAGED TO RESPOND TO THE CHANGING NEED FOR	DECI	DUOUS SH	RUBS		I			
WATER IN THE LAN	IDSCAPE.	AIB	10	ARONIA MELANOCARPA 'MORTON'	IROQUOIS BEAUTY CHOKEBERRY	#3 CONT.	36" O.C.		
DESIGN FEATURES:		CAC	21	CLETHRA ALNIFOLIA 'CALEB'	VANILLA SPICE SUMMERSWEET	#3 CONT.	48" O.C.		
 FOLLOW ALL ORDIN DEVICES. 	VANCES RELATING TO IRRIGATION SYSTEMS INCLUDING THE INSTALLATION OF BACKFLOW	CSA		CORNUS SERICEA 'FARROW'	ARCTIC FIRE DOGWOOD	#3 CONT.	48" O.C.		
2. INSTALL A MASTER	VALVE TO STOP UNSCHEDULED FLOW OF IRRIGATION WATER								
	SULTS IN UNIFORM AND EFFICIENT COVERAGE. SPRINKLER HEAD SPACING SHOULD BE A D-TO-HEAD" (MINIMUM 50% OF DIAMETER) UNLESS THE COVERAGE IS DESIGNED FOR WIND	HPB		HYDRANGEA PANICULATA 'BOBO'	BOBO HYDRANGEA	#3 CONT.	48" O.C.		
DE-RATING. WIND [DE-RATING SHOULD BE BASED ON AVERÁGE NIGHTTIME WIND SPEED. AD-TO-HEAD" (MINIMUM OF 50% OF DIAMETER) UNLESS THE COVERAGE IS DESIGNED FOR WIND	RAG	102	RHUS AROMATICA 'GRO LOW'	GRO-LOW SUMAC	#3 CONT.	48" O.C.		
DE-RATING. WIND D	DE-RATING SHOULD BE BASED ON AVERAGE NIGHTTIME WIND SPEED. DESIGN TO AVOID	RKR	24	ROSA 'RADRAZZ'	RADRAZZ KNOCKOUT ROSE	#3 CONT.	48" O.C.		
) HARDSCAPES, FENCES, BUILDINGS AND ADJOINING PROPERTY. TATIONS/ZONES (HYDROZONES) FOR AREAS WITH DISSIMILAR WATER OR SCHEDULING	SPB	24	SYRINGA PENDA 'BLOOMERANG'	BLOOMERANG DWARF LILAC	#3 CONT.	36" O.C.		
REQUIREMENTS 5. PROVIDE SENSOR	TO SUSPEND IRRIGATION DURING WET WEATHER CONDITIONS.	EVER	RGREEN SH	IRUBS				•	
2. PROVIDE FLOW ME	TER FOR MONITORING FLOW CONDITIONS AND SAVING WATER.	BGV	42	BUXUS 'GREEN VELVET'	GREEN VELVET BOXWOOD	#3 CONT.	48" O.C.		
	NITH WALKTHROUGH FOR SYSTEM OPERATIONS, PRIOR TO FINAL ACCEPTANCE. INCLUDE	JGO	34	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL COMPACT JUNIPER	#3 CONT.	48" O.C.		
		RPJ	10	RHODODENDRON 'PJM'	PJM RHODODENDRON	#3 CONT.	48" O.C.		
LOWING TO BE POSTED O	DN-SITE PER SECTION 4.8					#2.00NT	2011 0 0		
. A COPY OF THE APPF	ROVED LANDSCAPE PLAN:	CKF		CALAMOGROSTIS X 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#3 CONT.	36" O.C.		
	IAN 11 INCHES BY 17 INCHES PROTECT THE PLAN	PVS	49	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	#3 CONT.	36" O.C.		
-	PLANT TYPES, SIZES, AND LOCATIONS	PAH	17	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	#1 CONT.	24" O.C.		
2. AN INSTRUCTIONAL S		SH	93	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	#1 CONT.	24" O.C.		
	HAN 11 INCHES BY 17 INCHES	PERE	ENNIALS &	GROUNDCOVERS					
2.2. LAMINATED TO	PROTECT THE SIGN	ASM	153	ALLIUM 'MILLENIUM'	MILLENIUM ALLIUM	#1 CONT.	18" O.C.		
2.3. STATING THE FO	OLLOWING: NER OF THIS SITE HAS AGREED TO INSTALL AND MAINTAIN THE REQUIRED LANDSCAPING ON	CJ	28	CLEMATIS 'JACKMANII'	JACKMAN'S CLEMATIS	#1 CONT.	48" O.C.	TRAIN AS VINE	
	IN ACCORDANCE WITH THE TOWN OF MUNSTER LANDSCAPE ORDINANCE. COMPLIANCE	EPM	121	ECHINACEA 'CBG CONE2'	PIXIE MEADOWBRITE CONEFLOWER	#1 CONT.	24" O.C.		
2.3.2. NEW TREE	S AND SHRUBS WILL BE WATERED FOR THE FIRST TWO YEARS UNTIL FIRMLY ESTABLISHED.	GR	30	GERANIUM 'ROZANNE'	ROZANNE GERANIUM	#1 CONT.	24" O.C.		
	ES AND SHRUBS WILL BE PRUNED TO REMOVE DEAD OR DAMAGED WOOD. PLANTING BEDS WILL BE MAINTAINED AT A DEPTH OF THREE INCHES.	HHR							
2.3.5. ALL PLANT	TING BEDS AND TREE MULCH CIRCLES WILL BE WEEDED REGULARLY.					#1 CONT.	24" O.C.		
2.3.6. PERENNIA GROWTH.	LS AND HERBACEOUS SHRUBS WILL BE PRUNED BEFORE THE ONSET OF NEW SPRING	HSC		HEMEROCALLIS 'STRAWBERRY CANDY'	STRAWBERRY CANDY DAYLILY	#1 CONT.	24" O.C.		
2.3.7. ALL GRASS	S WILL BE MOWED REGULARLY (I.E. ONCE PER WEEK) DURING THE GROWING SEASON.	LSS	95	LEUCANTHEMUM SUPERBUM 'SNOWCAP'	SNOWCAP SHASTA DAISY	#1 CONT.	18" O.C.		
3. THE SIGN SHALL AI	LSO STATE: "IF YOU SEE ANY PROBLEMS WITH THE LANDSCAPING OF THIS SITE OR THE	NCM	85	NEPETA 'CATS MEOW'	CAT'S MEOW NEPETA	#1 CONT.	24" O.C.		
	PLEASE CALL THE TOWN OF MUNSTER, BUILDING DEPARTMENT AT 219-836-6990".	RLG	53	RUDBECKIA 'LITTLE GOLDSTAR'	LITTLE GOLDSTAR BLACK-EYED SUSAN	#1 CONT.	18" O.C.		
MAINTENANCE OF IT,				1			1		
MAINTENANCE OF IT,		SMN	174	SALVIA 'MAY NIGHT'	MAY NIGHT SALVIA	#1 CONT.	18" O.C.		

SWORN STATEMENT BY OWNER:

THE UNDERSIGNED ACKNOWLEDGES THAT THE LANDSCAPE PLANTING PLAN SHOWN ON THE ATTACHED LANDSCAPE PLAN(S) FOR THE MAPLE LEAF CROSSING PLANNED UNIT DEVELOPMENT, TOWN OF MUNSTER, INDIANA HAS TO THE BEST OF THE UNDERSIGNED APPLICANT'S KNOWLEDGE, BEEN DESIGNED AND WILL BE INSTALLED, MAINTAINED AND REPLACED AS REQUIRED BY CURRENT AND SUBSEQUENT OWNERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF MUNSTER MUNICIPAL CODE, THE LANDSCAPING STANDARDS OF THE TOWN OF MUNSTER ZONING ORDINANCE, AND THE GUIDE TO THE TOWN OF MUNSTER LANDSCAPE ORDINANCE.

EXISTING PARKWAY AND ON-SITE INTERIOR TREES ARE TO BE PROTECTED WHILE PROJECT IS UNDER CONSTRUCTION AND WILL BE REPLACED BY CURRENT AND SUBSEQUENT OWNER IF DAMAGED.

EXHIBIT C

SWORN STATEMENT BY **REGISTERED LANDSCAPE** ARCHITECT:

THE UNDERSIGNED LANDSCAPE ARCHITECT, REGISTERED IN THE STATE OF INDIANA, ACKNOWLEDGES THAT THE LANDSCAPE PLANTING PLAN AND CONSTRUCTION DETAILS SHOWN ON THE ATTACHED LANDSCAPE PLAN(S) FOR THE MAPLE LEAF CROSSING PLANNED UNIT DEVELOPMENT, TOWN OF MUNSTER, INDIANA HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF MUNSTER MUNICIPAL CODE, THE LANDSCAPING STANDARDS OF THE TOWN OF MUNSTER ZONING ORDINANCE, AND THE GUIDE TO THE TOWN OF MUNSTER LANDSCAPE ORDINANCES.

PROJECT NAME: MAPLE LEAF CROSSING PLANNED UNIT DEVELOPMENT
MUNSTER, IN 46321 OWNER NAME: MAPLE LEAF CROSSING, LLC. 400 FISHER AVENUE MUNSTER, IN 46321
CONSULTANTS: TORRENGA ENGINEERING, INC. 907 RIDGE ROAD MUNSTER, IN 46321
OCIATES (219) 299.3383 www.planviron.com
VIRONMENT ASSOCIATES (219) 299.3383 www.planviron.com
PLANNED ENV: P.O. BOX 2256 CHESTERTON, IN 46304
SUBMITTAL & REVISIONS 20 SCHEMATIC DESIGN
1 06/29/20
STAMP: UNIT ON RUB CONTENSION STATE OF NOIANA MOIANA MOIANA STATE OF
EXP: 12/31/2021
TITLE: PLANTING LISTS & SPECIFICATIONS SHEET:
L102 DRAWN BY: MD CHECK BY: JR





				EXISTING BUILDING
	2. 0.			
OUTERITE	REFERENCE OF THE STREET			ین م ب
		974 sq ff	1.812	
INTES		874 sq ft		
		19-0"	2'-0", 18'-0" 34 35 35 37 38 37	9 40 41 42 43 44 45 46 47
		0 so fit pa 20 so	154 sq ft Masonry Trash Enclosure C	24-0"
		PARKING AREA * #10 (18 SPACES)	24'-0" 33 32 31 31	° 29 23 77 28 25 24 23 22 ° 29 79 79 28 25 24 23 22
		- 24.6	260 sq ft = 168 sq ft	
EE blu				
DEGREE				64 -1 "
1 06 60			25-9-112 ⁻⁴¹⁸ still 838-scill & A	
8			88	
ON/2020	SITE INFO:		19 sq ft	<u>, , , , , , , , , , , , , , , , , , , </u>
VOTED (LOT AREA:	<u>306,788 SF</u>	241 5	
BE VC	BUILDINGS: NORTH OFFICE BUILDING:	15,375 SF FOOTPRINT (61,500 SF TOTAL, 4 STORY		636 sc
2	SOUTH OFFICE BUILDING #1: SOUTH OFFICE BUILDING #2: RESTAURANT:	7,774 SF FOOTPRINT 7,774 SF FOOTPRINT 4,623 SF FOOTPRINT		571 L-14 sq ft
FLANS	HOTEL:	17,794 SF FOOTPRINT (71,176 SF TOTAL, 4 STORY 2,710 SF FOOTPRINT		
- SITE	CONTAINER ARCHITECTURE: TOTAL:	2,802 SF FOOTPRINT 58,852 SF (19.2%)		
03 09	SIDEWALKS: OUTDOOR SEATING:	17,391 SF 1,269 SF		
j/2020	BIKE PATH: GARBAGE AREA: <u>ASPHALT PARKING / DRIVE:</u> TOTAL:	7,585 SF 873 SF <u>173,478 SF</u> 205,612 SF (67%)		
Building/2020	GREENSPACES (PERVIOUS SUI GREENSPACE:			
Office E	LANDSCAPING:		×	
	TYPE: REQUIRE GREENSPACE: 17,278 SF (10% OF PA)	= 41,762 SF TOTAL		
Lieser/Design/Large	PROPOSED SETBACKS: F.Y. SETBACK:	7'-6" (PARKING AREA)		
sser/De	S.Y. SETBACK: REAR SETBACK:	1'-9" 11'-6"		
Jay Lie	REQUIRED PARKING:			
	NORTH OFFICE BUILDING (61,500 SF / 1,000) X 3.3 = 202.3 SOUTH OFFICE BUILDING #1	203 SPACES 27 SPACES	Film S	Ficher St Hamoton Inn and
PROJECTS/2019/19015	(7,996 SF / 1,000) X 3.3 = 26.39 SOUTH OFFICE BUILDING #2 (7,996 SF / 1,000) X 3.3 = 26.39	27 SPACES		Suites Munster Homewood Suites Dy Hilton Munster
JECTS	RESTAURANT (3,850 / 300) X 5 = 64.2 PUB:	65 SPACES 46 SPACES	Holland Special Delivery	odies and Company O PNC Bank M A YN A R D
	(2,710 / 300) X 5 = 45.17 HOTEL (1.25 / ROOM X 105 RMS)	132 SPACES	ry Peps ddig Company KRC Logistics	si Beverages Redit/obster
N LLC/	CONTAINER PARK (RETAIL) (2,000 SF / 1,000) X 4.5 = 9 TOTAL:	9 SPACES 509 TOTAL REQUIRED	45th St Family Christian Center	FROSECT STE
DESIGN	OFFICES: 3.3 SPACES / 1,000 SF RETAIL: 4.5 SPACES / 1,000 SF RESTAURANT: 5 SPACES / 300 S			White Castle
	HOTEL: 1.25 SPACES / ROOM			Sading Spring Hill Suites by Marriott Chicago Southe Centenhial Park, Mongfer IN
RDER	PARKING #1 31 PARKING #2 10	0 0	3 (Floyds Brewpup)	
op/BO	PARKING #3 25 PARKING #4 48 PARKING #5 15	0 2 (1 VAN) 0	V SC.	ICINITY WAP ALE: N.T.S.
/Deskt	PARKING #6 20 PARKING #7 38 PARKING #8 16	4 (2 VAN) 4 (2 VAN) 0		
sers/borderlinedesignllc/Desktop/BORDERLINE	PARKING #9 15 PARKING #10 18 PARKING #11 68 PARKING #11 64	0 0 0		
linede	PARKING #12 44 TOTAL: 348	<u>0</u> 10 (4 van)		
/borde				
sers/				



