

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

July 6, 2011

TO: Hamilton County Drainage Board

RE: Little Eagle Creek Drain – Grand Park Arm

Attached is a petition filed by the City of Westfield along with plans and calculations for the Little Eagle Creek Drain, Grand Park Arm to be located in Washington Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

115 feet of 24" SDR-35 Pipe from Str. 1 to Str. 2
166 feet of 24" SDR-35 Pipe from Str. 2 to Str. 3
282 feet of 24" SDR-35 Pipe from Str. 3 to Str. 4
281 feet of 24" SDR-35 Pipe from Str. 4 to Str. 5
279 feet of 24" SDR-35 Pipe from Str. 5 to Str. 6
400 feet of 30" HDPE Pipe from Str. 6 to Str. 7
400 feet of 30" HDPE Pipe from Str. 7 to Str. 8
400 feet of 30" HDPE Pipe from Str. 8 to Str. 9

The total length of the Little Eagle Creek Drain, Grand Park Arm will be 2323 feet.

The retention pond (lake) located upstream of Str. 1 is not to be considered part of the regulated drain. Only the outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the City of Westfield. The Board will however retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The cost of the proposed arm is to be paid by the City of Westfield.

Since this is a project by a municipal entity, City of Westfield, no bonds are required by the Drainage Board.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

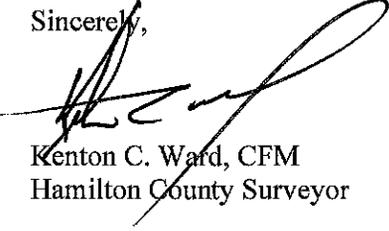
The parcels that will be affected by this arm are:

| <u>Parcel</u> | <u>Owner</u> |
|------------------------------|--------------------------------------------------|
| 08-05-26-00-00-015.000 | Eagletown Four LLC |
| 08-05-26-00-00-018.000 | Aleli Campbell |
| 08-05-26-00-00-001.000 | Mary R Drexler, Alice E Drexler, & Phyllis J Lay |
| 08-05-27-00-00-007.000 | Eagletown Two LLC |
| 191 st Street ROW | Hamilton County Highway Department |
| Springmill Road ROW | Hamilton County Highway Department |

The easement for the new drain will be 25 feet per half from the centerline of the new drain. The City of Westfield will provide recorded easement dedication and written descriptions in the near future.

I recommend the Board set a hearing for this proposed drain for August 22, 2011.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

Little Eagle Creek #350

Construction for Westfield Grand Park

To be paid by City of Westfield

*No change in current maintenance assessment at this time.
 Drainage shed may change after development is complete.

| Parcel | Owner | Address | City | Description | Benefit | MntAsmt | Reconst | Percent |
|------------------------|----------------------------------------------------|------------------------|-----------------------|---------------------------------------------------|---------|---------|---------|---------|
| 08-05-26-00-00-015.000 | Eagletown Four LLC | 17830 Casey Rd | Westfield, IN 46074 | S26 T19 R3 45.18 Ac | * | * | * | * |
| 08-05-26-00-00-018.000 | Campbell, Alell Trustee | 343 W. 191st St | Westfield, IN 46074 | S26 T19 R3 1.16 Ac | * | * | * | * |
| 08-05-26-00-00-001.000 | Drexler, Mary 51% & Alice Drexler & Phylis Lay 49% | 401 Sixth Ave, Box 446 | Clarence, IA 52216 | S26 T19 R3 80.0 Ac | * | * | * | * |
| 08-05-27-00-00-007.000 | Eagletown Two LLC | 17830 Casey Rd | Westfield, IN 46074 | S27 T19 R3 80.0 Ac | * | * | * | * |
| 99-99-99-99-99-999.001 | Hamilton Co. Highway Dept. | 1700 S. 10th St. | Noblesville, IN 46060 | 191st & Springmill Rd | * | * | * | * |
| 99-99-99-99-99-999.010 | City of Westfield | 130 Penn ST | Westfield, IN 46074 | S26/27 T19R3, Eagletown/Campbell/Drexler property | * | * | * | * |

To: Hamilton County Drainage Board

Date: May 12, 2011

Re: Little Eagle Creek Drain

City of Westfield (Here-in-after "Petitioner"),

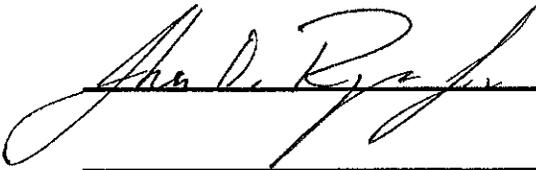
hereby petitions the Hamilton County Drainage Board under IC 36-9-27-66 for an arm to be installed to the Little Eagle Creek Drain in order to serve the property of the

petitioner. The petitioner, in support of said petition, advises the Board that:

1. The Little Eagle Creek Drain is presently on a maintenance program and that land of the petitioner is assessed as benefited by the maintenance of the regulated drain
2. There is no known adequate open or tiled drain connecting the land of the petitioner with the regulated drain;
3. The waters from the petitioners land flow over or through land owned by others to reach the regulated drain;
4. The legal description of lands through which the new regulated drain will run along with the parcel numbers, name and address of each owner of that land is shown on Exhibit "A" which is attached;
5. The general route of the proposed new regulated drain and method of construction is shown on Exhibit "B" which is attached.
6. Petitioner agrees to pay all legal and construction costs involved with the construction of the proposed new regulated drain.

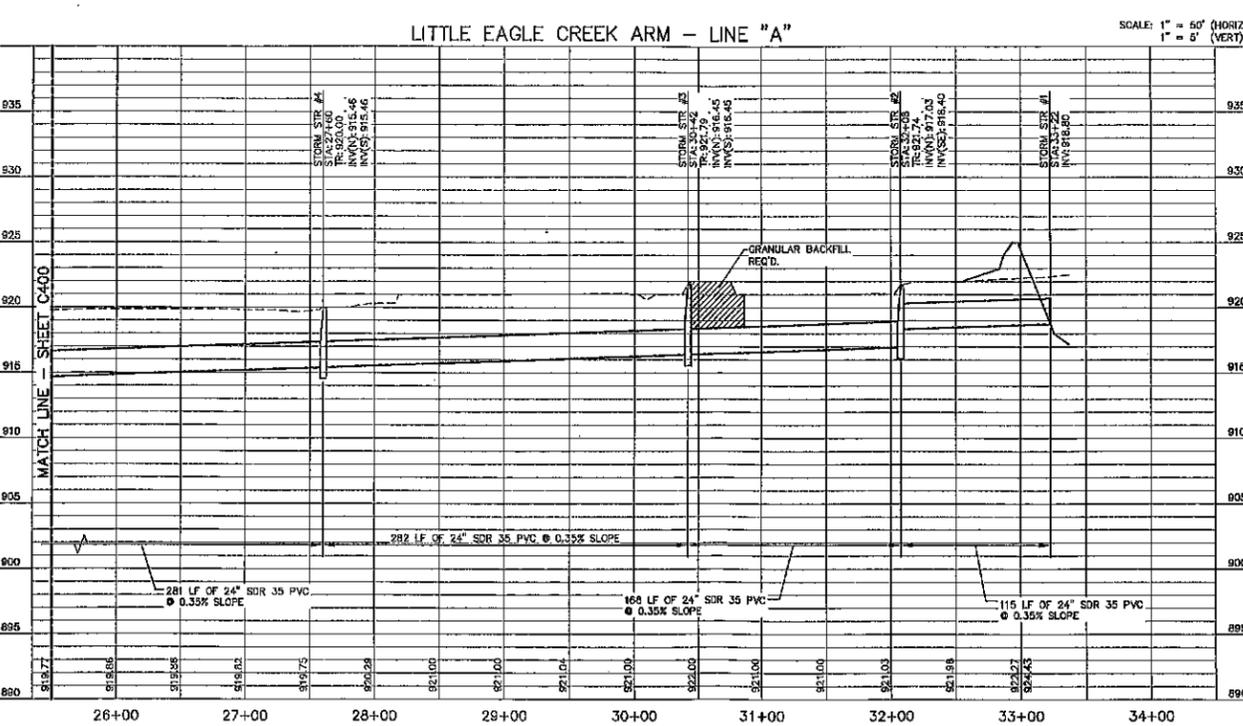
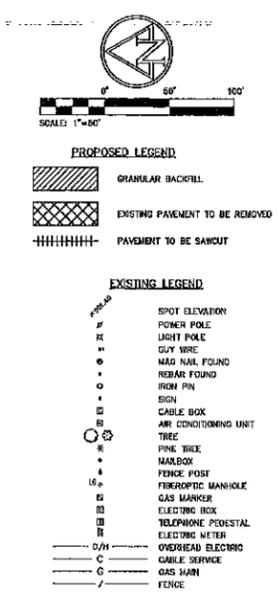
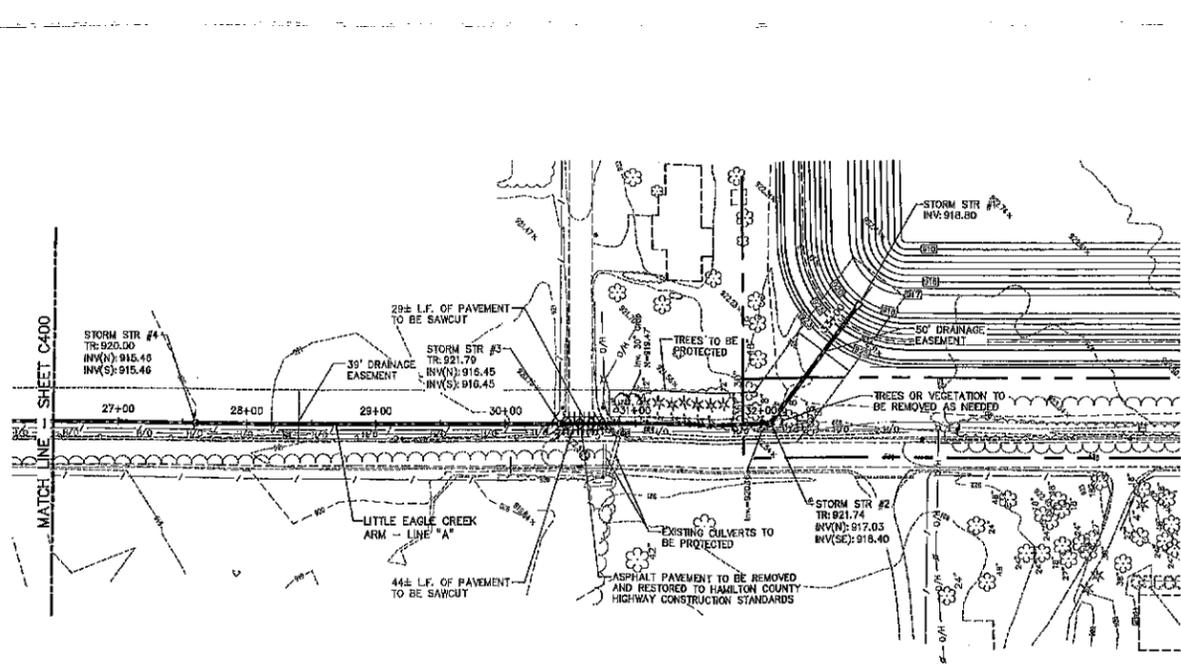
Signed

Printed



JOHN D. ROGERS, JR.

DRAWING FILE: P:\2011\00566666.DWG; DRAWING: C:\Users\jgallagher\AppData\Local\Temp\1\LD401.dwg; DATE: 06/28/11 12:28 PM; USER: JGALLAGHER; PLOT SCALE: 1:1; SHEET: 1 OF 1



SCALE: 1" = 50' (HORIZ)
1" = 5' (VERT)

DEMOLITION NOTES:

GENERAL:

THE CONTRACTOR SHALL REMOVE AND DISPOSE OFF-SITE, ALL EXISTING STRUCTURES, FENCES, CONCRETE AND PAVEMENT ON SITE, UNLESS NOTED TO REMAIN ON THE CONTRACT DRAWINGS.

THE CONTRACTOR SHALL PROTECT AND NOT DESTROY PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.

SUBMITTALS:

THIS SECTION REQUIRES REMOVAL AND DISPOSAL, OFF-SITE, OF THE FOLLOWING:

- ASPHALT PAVEMENT.
- MISCELLANEOUS CONCRETE PADS, UNDERGROUND CONDUITS, SITE LIGHTS, ETC., LOCATED ON-SITE.

GENERAL GRADING NOTES:

- STORAGE OR SALE OF REMOVED ITEMS WILL NOT BE PERMITTED ON-SITE.
- EMPLOYER USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
- TRAFFIC CONDUIT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MAXIMUM INTERFERENCES WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY GOVERNING AUTHORITIES.
- PROTECTIONS: ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, AND OTHER FACILITIES AND SHALTY TO PERSONS.
- DAMAGES: PROMPTLY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
- UTILITY SERVICES: MAINTAIN EXISTING UTILITIES TO STAY IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DISCONNECT, CAP AND REMOVE UTILITY SERVICES PER LOCAL REQUIREMENTS. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTIONS HAVE BEEN COMPLETED TO THE SATISFACTION OF LOCAL UTILITIES.

DEMOLITION:

- BELOW-GRADE CONSTRUCTION: DEMOLISH FOUNDATION WALLS AND OTHER BELOW-GRADE CONSTRUCTION INCLUDING CONCRETE SLABS TO A DEPTH OF NOT LESS THAN 48 INCHES BELOW LOWEST FOUNDATION LEVEL.
- FILLING VOIDS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OPERATIONS WITH COMPACTED GRANULAR BACKFILL.

DISPOSAL OF DEMOLISHED MATERIALS:

- GENERAL: REMOVE NEARLY FROM SITE ACCUMULATED DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
- REMOVAL: TRANSPORT MATERIALS REMOVED FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.

GENERAL GRADING NOTES:

- ALL WORK TO CONFORM TO STATE AND LOCAL REGULATIONS.
- SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON-SITE. ALL VERIFICATIONS (location, size and depth) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT.
- AFTER STRIPPING TOPSOIL MATERIAL, PROCEED WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBSIDERS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.

GENERAL GRADING NOTES:

- PROVIDE POSITIVE DRAINAGE WITHOUT POOLING, IN ALL AREAS, AFTER INSTALLATION. CONTRACTOR TO TEST FOR, AND CORRECT, IF ANY, STANDING WATER CONDITIONS.
- ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
- SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
- ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS.
- INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.
- DEBRIS GUARD TO BE INSTALLED AT ALL OPEN ENDED INLETS.
- DUE TO SITE CONSTRAINTS, THE SITE MAY OR MAY NOT BALANCE. THE CONTRACTOR IS RESPONSIBLE FOR ALL EARTHWORK IMPORTS AND/OR EXPORTS.
- A PORTION OF THE LOT LIES WITHIN A FLOOD HAZARD ZONE AS SHOWN FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR HAMILTON COUNTY, INDIANA, COMMUNITY HAMILTON, CITY OF WESTFIELD, COMMUNITY NUMBER 18000A, 18000B, PANEL NUMBER 9100, 9100C, DATED FEBRUARY 18, 2000.

NOTES:

- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.
- REFER TO MASS GRADING AND ROAD UTILITY INFRASTRUCTURE PLANS FOR DETAILS PERTAINING TO IMPROVEMENTS NOT ASSOCIATED WITH THE PROPOSED LEGAL DRAINS.
- CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY OBSTRUCTIONS WITHIN THE ALIGNMENT OF THE LEGAL DRAINS NOT NOTED ON THESE PLANS.
- PROPOSED GRADE ABOVE LEGAL DRAINS TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR TO LOCATE, PERPETUATE AND RE-ESTABLISH ALL EXISTING FIELD TILES LOCATED DURING CONSTRUCTION. CONTRACTOR TO CONTACT AND COORDINATE ALL PERPETUATION EFFORTS WITH THE ENGINEER.

NOTE:

ALL MAINTENANCE OF TRAFFIC SIGNAGE METHODS, MATERIALS AND CONSTRUCTION DETAILS FOR WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO HAMILTON COUNTY REQUIREMENTS, INDOT STANDARD DETOUR SHEETS AND SPECIFICATIONS AND THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS INCLUDES FLUORAD ROAD CONSTRUCTION AHEAD SIGNS, LANE WORKING SIGNS, FLASHING ARROW SIGNS, CONSTRUCTION BARRIERS, ETC.

NOTE:

REFER TO SHEET C800 FOR STORM SEWER STRUCTURE DATA TABLE.

CAUTION!!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, records, tests, notes, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544
CALL TOLL FREE
INDIANA UNDERGROUND

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1-800-382-5544
CALL TOLL FREE
INDIANA UNDERGROUND

STRUCTUREPOINT INC.

A DIVISION OF

THE ENGINEERING GROUP

REGISTERED PROFESSIONAL ENGINEERS

No. PE11100067

STATE OF INDIANA

CERTIFIED BY

LITTLE EAGLE CREEK ARM PLAN & PROFILE

DESIGNED FOR

CITY OF WESTFIELD

130 PEAN STREET

WESTFIELD, INDIANA 46074

PROJECT

GRAND PARK

THE SPORTS CAMPUS AT WESTFIELD

WESTFIELD, INDIANA

DATE: 06/28/11

DRAWN BY: FID

CHECKED BY: ZMS

JOB NO.: 20100559

REVISIONS

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SHEET NO.

LD401

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