

SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*

*One Hamilton County Square  
Noblesville, Indiana 46060-2230*

September 10, 2001

TO: Hamilton County Drainage Board

RE: Crooked Creek Drain, English Oaks Arm Extension

Attached is the plan for the extension of the Crooked Creek Drain, English Oaks Arm. The proposal is to extend the drain from the west end of an existing 15" RCP under Shelbourne Road across the new Carmel Fire Station No. 42 site and the House Inv Ham Co Land Fund LP (17-13-06-04-05-001.000) property to an existing CMP culvert pipe under 106<sup>th</sup> Street. The extension is located within the existing R/W along the north side of 106<sup>th</sup> Street.

The extension will consist of the following.

12" RCP – 25 feet

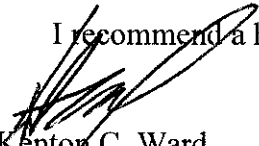
Open Ditch – 315 feet

15" RCP – 898 feet

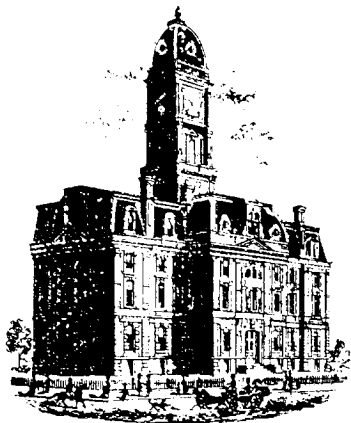
The total length of new drain shall be 1238 feet. This proposal will add an additional 1238 feet to the Crooked Creek Drain, English Oaks Arm.

The portion of open ditch listed above is that from the outlet of the existing 15" RCP to the existing 48" CMP culvert pipe under 106<sup>th</sup> Street. The 15" RCP under Shelbourne Road will not become part of the regulated drain (see Crooked Creek Drain, English Oaks Arm report dated October 18, 2000).

I recommend a hearing be set for November 26, 2001.

  
Kenton C. Ward  
Hamilton County Surveyor

KCW/jll



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Noblesville, Indiana 46060-2230

**To: Hamilton County Drainage Board**

**August 16, 2006**

**Re: Crooked Creek Drain, English Oaks Extension**

Attached are as-builts, certificate of completion & compliance, and other information for English Oaks Extension. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated September 10, 2001. The report was approved by the Board at the hearing held November 26, 2001. (See Drainage Board Minutes Book 6, Pages 211-212)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes(FT):
4-3	189	15	RCP	894.59	893.91	0.36	-7
5-4	51	15	RCP	894.59	893.91	0.36	-9
7-5	28	12	RCP	894.95	894.56	0.32	3
3-2	150	15	RCP	893.91	893.53	0.25	-1
2-1	497	15	RCP	893.53	891.63	0.38	

**RCP Pipe Totals:**

12	28
15	887

**Total:** 915

<b>Other Drain:</b>	
Open Ditch	305

**Total:** 305

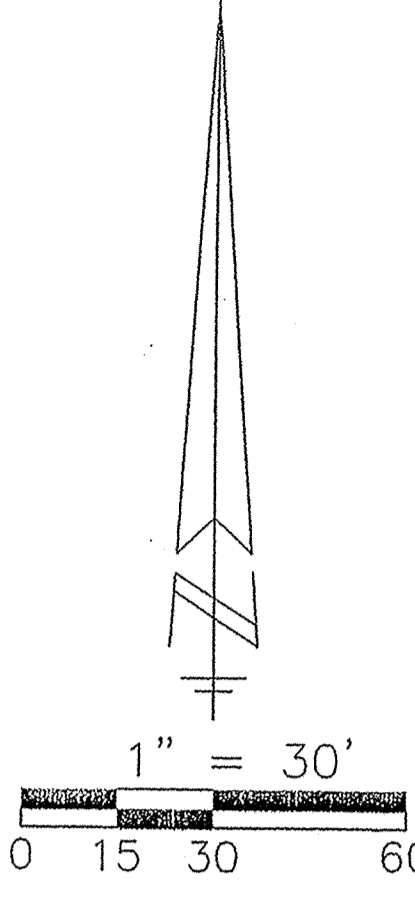
The length of the drain due to the changes described above is now **1220 feet**.

A non-enforcement was not submitted for this project. All drainage facilities are located within the right of way for 106<sup>th</sup> Street. The project was paid for by the City of Carmel. Therefore, no sureties were required.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

\_\_\_\_\_  
Kenton C. Ward,  
Hamilton County Surveyor



**CAUTION!!**

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, 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.

PLEASE CALL "HOLEY MOLEY"  
1-800-382-5544  
TOLL FREE

**GENERAL UTILITY NOTES:**

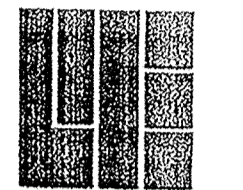
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
4. ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
5. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
6. IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THE PROJECT.
8. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION IS TO CONFORM TO APPLICABLE LOCAL STANDARDS.
9. BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
10. ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND POSITIVE DRAINAGE PRESERVED.
11. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT.

REFER TO E-100 FOR EXACT LOCATIONS OF LIGHTS, CABLE TELEVISION, TELEPHONE, AND ELECTRICAL LINES.

*MS*

**MARK SWANSON ASSOCIATES INC.**

**ARCHITECTURE**



**WEIHE ENGINEERS, INC.**

10206 N. COLLEGE AVE.  
INDIANAPOLIS, INDIANA 46220  
(317) 846-0611 (303) 452-8400  
ALLAN H. WEIHE, P.E., L.S. PRESIDENT  
CIVIL ENGINEERS  
LAND SURVEYORS  
LAND PLANNERS  
LANDSCAPE ARCHITECTS

A NEW

**FIRE STATION NO. 42**

FOR THE

**CARMEL FIRE DEPARTMENT**

LOCATED AT THE CORNER OF

**SHELBOURNE ROAD AND 106TH STREET**

**CLAY TOWNSHIP INDIANA**

**"AS-BUILT" RECORD DRAWING**

SANITARY SEWER: DATED APRIL 9, 2002



*Darrell G. Phillips*  
**DARRELL G. PHILLIPS P.E. INDIANA #900119**

As-Built For ENGLISH OAKS DRAW  
CARMEL FIRE STATION #42 Area

From Branely Lane Open Ditch, Through  
Sta#1 - Sta#5 And Sta#7

*Saffery Powell*  
Date: 12-8-04



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
Entry Date: 8-8-04  
Entered By: SLM

DARRELL G. PHILLIPS P.E. 900119

REVISIONS:	DATE:
▲ REVISED INV. PER HAM.CO. SURVEYOR COMMENTS 4-5-01	
▲ REVISED SAN. M.H.#1 LOCATION & PIPE LENGTHS & M.H.#2 INV. 9-4-01	
▲ REV. ASPH. PATH LOC. 9-20-01	
▲ AS BUILTS 4-9-2002	

DATE: 15 NOVEMBER 2000  
DRAWN BY: C. Shopp  
CHECKED BY: D. Phillips  
APPROVED BY: D. Phillips  
PROJECT NUMBER: W00-1232  
SHEET NUMBER:

**C-103**  
UTILITIES AND STORM PLAN

