

**Drain:** Park Northwestern Drain

**Improvement-Arm:** U S 421 Road Improvements

**Date Approved:** April 14, 2008

### Drain Input Checklist

- Create Regulated Drain Record in Posse \_\_\_\_\_

Drain Type   
Outlet (Tab)   
Outlet Attached   
Location   
Twp   
Certification   
Drain Number

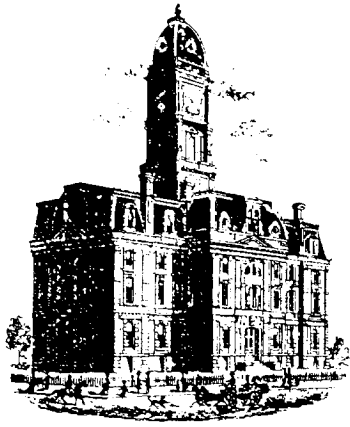
- Enter Improvement Arm in Posse April 15, 2008 *Need Books*  
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)

- Scan Documents \_\_\_\_\_

Surveyor's Report   
Engineer's Estimate   
Notices   
Findings and Order   
Petition

- Create Posse Inspection Job \_\_\_\_\_
- Enter into Watershed Summary Spreadsheet \_\_\_\_\_
- Check for Vacation of Drain & Map Changes \_\_\_\_\_
- Check Drainage Easement Classification \_\_\_\_\_
- Sum drain length & Validate in GIS \_\_\_\_\_
- Enter New Watershed Length into Posse \_\_\_\_\_
- Create Boundary of Improvement in GIS \_\_\_\_\_





*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*

**To: Hamilton County Drainage Board**

**November 14, 2007**

**Re: US 421 Road Improvements**

Attached are plans, and other information for the US 421 Road Improvement project. An inspection of the drainage facilities for this project has been made and the facilities were found to be complete and acceptable.

This report will serve as an initial and final report for this construction. This road project began just north of 121<sup>st</sup> St. and continued South to five hundred feet south of 106th St. During this construction two regulated drains were affected. Those drains are as follows:

**Park Northwestern Drain**

Hamilton Business Park Arm: The project removed 130ft of open ditch, 75ft of 42"x 30" RCP, 80' of 42" X 27" RCP, 42' of 26" x 45" RCP and structure 100.

West Carmel Center Block C: The project removed 27' of open ditch.

The road improvements added the following drain: 142' open ditch on the West side of US 421, 35' of 36" RCP on the existing pipe coming from structure 43, and 144ft of 5' x 3' Box culvert under US 421. Overall, the road improvement project installed 321 feet of drain.

The road improvement project removed 354 feet of existing drain and installed 321 feet of new drain. Therefore the Park Northwestern drain had a loss of 33 feet of drain.

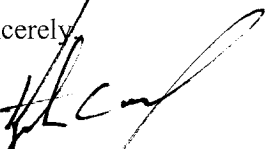
**Woodhaven Drain**

The project removed 35' of 15" CMP between existing structure 119 and existing structure 1. The drain was then extended from existing structure 1 to new structure 269 with 58 feet of 15" RCP. The drain is then outleted from structure 269 to 274A. This added 160' of 27" RCP and 129' of 30" RCP. Therefore, the project added 312 feet to the drain's overall length.

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

This project was performed by INDOT. Therefore, performance bonds were not required. Also, since the work was performed within the INDOT right of way and was paid for by INDOT, this meets the terms as set out in IC 36-9-27-52.5 for a non-noticed hearing before the Drainage Board

I recommend the Board approve the drain's reconstruction and accept the work as complete and acceptable.

Sincerely,  
  
Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm