

Drain: Woodhaven 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 Wood Haven
(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 _____

Gasb 34 Footages for Historical Cost
Drain Length Log

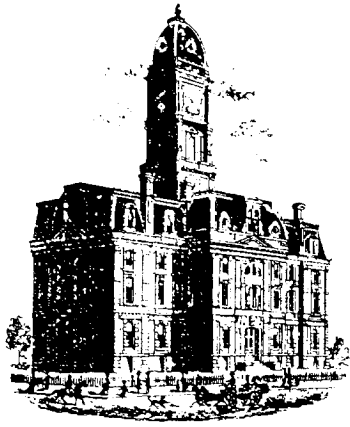
Drain-Improvement: US 421 Road Improvements (Woodhaven)

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	15"	58'	58'	∅	\$950 lf	\$551 ⁰⁰
RCP	27"	160'	160'	∅	\$2130 lf	\$3408 ⁰⁰
RCP	30"	129'	129'	∅	\$2400 lf	\$3173 ⁴⁰

Sum: 312 \$7132⁴⁰

Final Report: 312

Comments:



Kenton C. Ward, CFM
Surveyor of Hamilton County
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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 121st 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,

A handwritten signature in black ink, appearing to read 'K. C. Ward', written over the word 'Sincerely,'.

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm