

Drain: PARK NORTHWESTERN DRAIN Drain #: 136  
Improvement/Arm: PARK NORTHWESTERN-SECTION 2  
Operator: SLM Date: 8-12-04  
Drain Classification: Urban/Rural Year Installed: 1985

### GIS Drain Input Checklist

- Pull Source Documents for Scanning gja
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLM/gja
- Digitize & Attribute SSD SLM/gja
- Digitize & Attribute Open Ditch SLM/gja
- Stamp Plans SLM/gja
- Sum drain lengths & Validate gja
- Enter Improvements into Posse gja
- Enter Drain Age into Posse \_\_\_\_\_
- Sum drain length for Watershed in Posse \_\_\_\_\_
- Check Database entries for errors gja

**Gasb 34 Footages for Historical Cost**  
**Drain Length Log**

Drain-Improvement: PARK NORTHWESTERN O&M - PARK NORTHWESTERN - SECTION 2

Drain Type:	Size:	Length <i>SURVEYED LENGTH</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	3,056'	1,225'	-2,431	2.00	2,450.00
	8"	195'	Ø	-195'	Ø	Ø
RCP	12"	200'	155'	-45	7.25	1,123.75
	15"	807'	807'	Ø	9.50	7,666.50
	18"	695'	654'	-41	10.50	6,867.00
OPEN SHAFT		295'	Ø	-295	Ø	Ø
* 22" x 32" (FRW)		100'	Ø	-100	Ø	Ø
Sum:		<u>5,948'</u>	<u>2,841'</u>	<u>-3,107'</u>		<u>\$18,107.25</u>

Final Report: \_\_\_\_\_

Comments:  
SR AND RR DISAGREEMENT ON 6", 8" SSD AND 12", 18" RCP LENGTHS

\* RECONSTRUCTED IN 1999

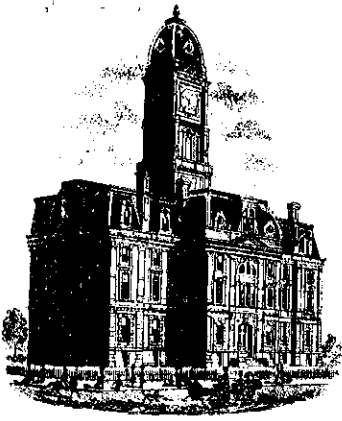
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SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 December 31, 1985

TO: Hamilton County Drainage Board

RE: Park Northwestern Drain

Attached is a as built plan of the existing drainage of Park Northwestern. The original plan has been modified in Section 2. In October 1985 an inspection of the drainage facilities was made and at that time it was found to be complete and acceptable.

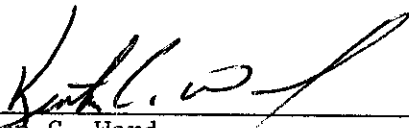
The modification includes the installation of storm sewer in what was to be a swale along the West side of the property and the addition of the drainage system for Section 2. Section 1 has changed by the inclusion of 310' of six (6") inch S.S.D and 195' of eight (8") inch S.S.D., instead of six (6") inch S.S.D, West of the Crane Office Building. Also 70' of eighteen (18") inch RCP was placed in what was once a swale. The revised quantity list for the project is as follows:

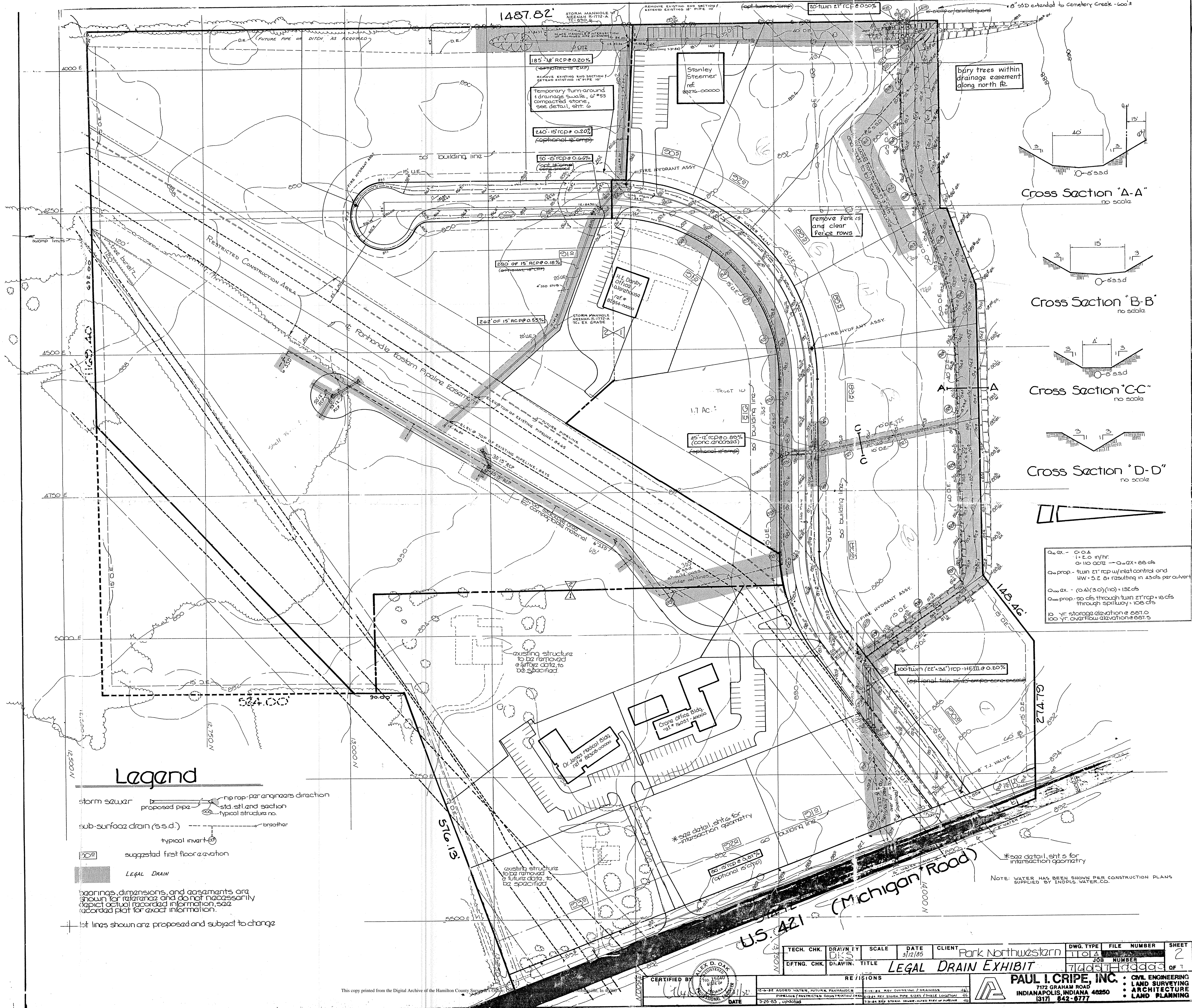
6" SSD	3656ft	22" x 32" RCP	100ft
8" SSD	195ft	Open Swale	295ft
12" RCP	200ft	18" RCP	695ft
15" RCP	807ft		

Swales running parallel with subsurface drains in Section 1 are not included in the above or the total length. Also not included is 600 feet of eight (8") inc S.S.D in Boone County, between the development and Cemetery Creek. The total length for the drain is now ~~5,908~~ feet.

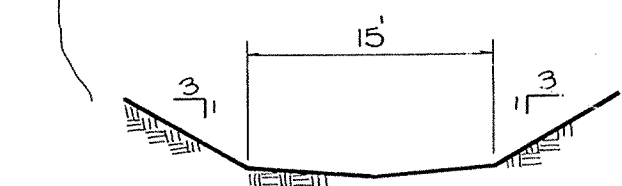
5748'

The area along the West property line South of the existing terminus of the eighteen (18") inch RCP shall be added to the drain at a future date. This will be either as a pipe or ditch as required.

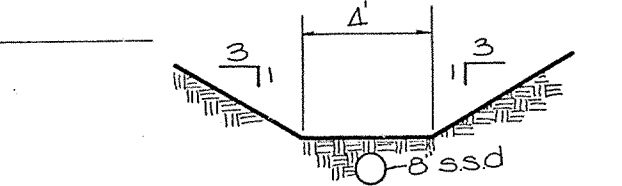
  
Kenton C. Ward



Cross Section "A-A"  
no scale



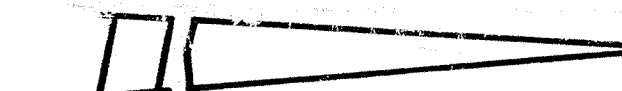
Cross Section "B-B"  
no scale



Cross Section "C-C"  
no scale



Cross Section "D-D"  
no scale



0.00 - 0.02  
 11.20 acre - 0.02 x 60 cfs  
 0.00 prop - 24" rcp w/inlet control and  
 1W + 5.2 ft resulting in 25 cfs per culvert  
 0.00 ax - (0.4)(3.0)(10) = 12 cfs  
 0.00 prop - 30 cfs through 24" rcp + 15 cfs  
 through spillway = 105 cfs  
 10 yr storage elevation = 687.0  
 100 yr overflow elevation = 687.5

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 12/8/00

Entered by: SLM / JAH 8/12/04

### Legend

storm sewer rcp prop - per engineers direction  
 proposed pipe std. silt and section  
 typical structure no.

sub-surface drain (s.s.d.) breather  
 typical invert

suggested first floor elevation  
 Legal Drain

bearings, dimensions, and easements are shown for reference and do not necessarily depict actual recorded information, see recorded plat for exact information.

+---+ lines shown are proposed and subject to change

TECH. CHK.	DRAWN BY	SCALE	DATE	CLIENT	DWG. TYPE	FILE NUMBER	SHEET
	D.K.S.		3/12/05	Park Northwestern	TT04		2
DESG. CHK.	DRWING. TITLE			JOB NUMBER		OF 1	
	LEGAL DRAIN EXHIBIT			710457-0000			

CERTIFIED BY

DATE

REVISIONS

NO.	DESCRIPTION

**PAUL I. CRIFE, INC.**

7172 GRAHAM ROAD  
 INDIANAPOLIS, INDIANA 46250  
 (317) 842-8777

CIVIL ENGINEERING  
 LAND SURVEYING  
 ARCHITECTURE  
 LAND PLANNING

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