Drain: HUNTERS CREEK VILLAGE DRAIN **Drain #:** 149

Improvement/Arm: HUNTERS CREEK VILLAGE - SECTION 2

Operator: JDH **Date:** 1-5-04

Drain Classification: **Urban**/Rural **Year Installed:** _____

GIS Drain Input Checklist

- Pull Source Documents for Scanning — JDH 1-5
- Digitize & Attribute Tile Drains — N/A
- Digitize & Attribute Storm Drains — JDH 1-6
- Digitize & Attribute SSD — JDH 1-6
- Digitize & Attribute Open Ditch — N/A
- Stamp Plans — JDH 1-6
- Sum drain lengths & Validate — JDH 1-6
- Enter Improvements into Posse — JDH 1-6
- Enter Drain Age into Posse — JDH 1-22
- Sum drain length for Watershed in Posse — JDH 1-22
- Check Database entries for errors — JDH 1-6

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: HUNTERS CREEK VILLAGE DRAIN - HUNTERS CREEK VILLAGE - SECTION 2

Drain Type:	Size:	Length (SURVEYORS RECORDS)	Length (DB Query)	Length Reconcile	If Applicable Price:	If Applicable Cost:
SSO	6"	1,115'	1,115'	ø	$2.00	$2230.00
	8"	2,010'	2,010'	ø	3.00	6,030.00
RCP	12"	588'	588'	ø	7.25	4,263.00
	15"	160'	160'	ø	9.50	1,520.00
	18"	425'	425'	ø	10.50	4,462.50
	21"	ø	50'	+50'	14.25	712.50
	24"	821'	821'	ø	18.00	14,778.00
	30"	851'	851'	ø	24.60	20,934.60
Sum:		5,970'	6,020'	+50'		$54,930.60

Final Report: _____

Comments:

50' OF 21" NOT SHOWN ON SR BUT SHOWN ON ASBUILTS.

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SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
Phone (317) 776-8495
Fax (317) 776-9628

Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

September 22, 1997

Re: **Hunter's Creek Village Drain: Sec. 2 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Hunter's Creek Village Sec. 2. 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 February 14, 1984. The changes are as follows:

6"SSD 1,115 feet 8"SSD 2,010 feet 12"RCP 588 feet 15"RCP 160 feet
18"RCP 425 feet 24"RCP 821 feet 30"RCP 851 feet

The length of the drain due to the changes described above is now **5,970 feet**.

The non-enforcement for this section was not submitted to the Board for approval.

The bond or letter of credit has been recommended for release in a letter to the Commissioners dated December 4, 1987.

I recommend the Board approve the drains construction as complete and acceptable.

NEEDS
REVISED REPORT
SLW 10/10/00

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

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Asbuilt Structures

Project: Hunters Creek Village Sec 2

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
106	—	852.16				
107	855.75	853.5	12"	150'		
118	858.16	855.51				
117	858.16	855.43	12"	26'		
117	858.16	855.03				
109	857.0	854.63	15"	1160'		
109	857.0	853.63				
108	—	852.71	30"	230'		
109	857.0	854.03				
110	860.30	856.19	24"	240'		
110	860.30	857.39				
111	864.16	858.43	24"	115'		
111	864.16	858.79				
112	863.8	859.87	24"	120'		
112	863.8	859.87				
113	863.8	860.10	24"	26'		
113	863.8	860.10				
114	864.45	860.37	24"	30'		

6" SSD Streets:

Total: _____

6" SSD Lots:

Total: _____

RCP Pipe Totals:

Other Drain:	

Total Length of Drain: _____

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Asbuilt Structures

Project: Hunters Creek Village Sec 2

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
114	864.45	861.37				
119	864.45	861.45	12"	26'		
114	864.45	860.57				
115	865.20	861.62	24"	140'		
115	865.20	861.62				
116	866.0	862.52	24"	150'		
125	867.93	863.87				
124	867.93	863.79	30"	26'		
124	867.93	862.79				
123	865.50	861.99	30"	160'		
123	865.50	861.49				
122	865.11	860.74	30"	150'		
122	865.11	860.24				
121	864.53	859.80	30"	80'		
121	864.53	859.30				
120	862.0	858.45	30"	155'		
120	862.0	858.25				
119	—	857.90	30"	50'		

6" SSD Streets:

Total: _____

6" SSD Lots:

Total: _____

RCP Pipe Totals:

Other Drain:	

Total Length of Drain: _____

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Asbuilt Structures

Project: Hunter's Creek Village Sec. 2

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
ES	—	846.47				
105	856.05	852.80	12"	180'		
103	859.95	857.5				
102	859.95	857.42	12"	26'		
102	859.95	857.42				
101	859.95	856.07	12"	180'		
101	859.95	857.45				
EX	—	—	18"	25'		
101	859.95	855.87				
EX.	854.50	847.87	18"	400'		

6" SSD [redacted]

	110'
	125'
	120
	320'
	100'
	340'

Total: 1115

8" SSD [redacted]

	600'
	260'
	190'
	600'
	60'
	300'

Total: 2010

RCP Pipe Totals:

12"	588'
15"	160'
18"	425'
24"	821'
30"	851'

2845

Other Drain:	

Total Length of Drain: 5970'

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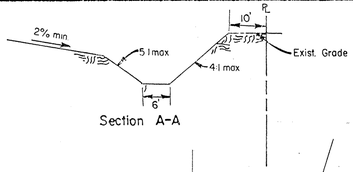
T.B.M. L. HINGE NAIL IN SOUTH SIDE OF P.P. Nº 60-814 ON NORTH SIDE OF 146th STREET APROX. 400' WEST OF INTERSECTION OF 146th STREET & ROHRER ROAD. (ELEVATION = 873.03)

T.B.M. EAST HEX NUT ON FIRE HYDRANT AT SOUTHWEST CORNER OF BENNETT ROAD & OAK RIDGE ROAD (COLLEGE AVE.). (ELEVATION = 875.44)

SCALE: 1" = 50'



Section A-A

SADDLEBACK DRIVE

BRIDLE CIRCLE

BENNETT ROAD

BENNETT COURT

HOWE DRIVE

SEC. 1

PROPOSED HEADWALL

EXISTING RIP RAP

STORM PIPE EXTENDED @ 60'

End Section Inv 846.47

HEADWALL INV. 848.30 INV. 847.84 INV. 847.30

Exist. Storm Inlet Tc 867.49 Inv. 864.12

Exist. San. MH Tc 868.50 Inv. 862.46(W) Inv. 863.10(E) Inv. 862.20(S)

Exist. End Sec. (to be removed) Inv. 862.80

Exist. San. MH Tc 866.00 Inv 852.72(N) Inv 862.52(S)

Exist. San. MH Tc 866.00 Inv. 858.29

Exist. San. MH Tc 859.60 Inv. 850.90(S) Inv. 851.61(W)

Exist. Storm Inlet Tc 861.53 Inv. 858.67

Exist. San. MH Tc 862.50 Inv. 854.41

Exist. Storm Inlet Tc 859.00 Inv. 856.50

Exist. End Sec. Inv. 856.10

Exist. End Sec. Inv. 857.62

Exist. Storm Inlet Tc 854.50 Inv. 850.16(N) Inv 847.87(W) Inv 846.87(E)

Exist. 15" Tile (To be abondoned)

Exist. Lift Sta. Inv. 849.44(N) Inv. 849.80(W) Inv. 848.40(S)

Exist. San. MH Tc 852.29

Exist. San. MH Tc 869.30 Inv. 862.30(N) Inv. 864.01(W) Inv. 862.10(E)

Exist. Storm Inlet Tc 865.58 Inv. 865.11

Exist. San. MH Tc 868.00 Inv. 861.20

Exist. End Sec. (to be removed) Inv. 864.37

Str. No 101 Inv 857.45(N) Inv 856.07(S) Inv 855.87 (E)

Str. No 102 TC 859.95 Inv 857.42

Str. No 103 TC 859.95 Inv 857.50

Str. No 104 End Section Inv 851.00

Str. No 105 TC 856.05 Inv 852.80

Str. No 106 End Section Inv 852.60

Str. No 107 TC 855.75 Inv 853.50

Str. No 108 End Section Inv 852.71

Str. No 109 TC 857.00 Inv 854.03(W) Inv 853.83(E) Inv 854.63(S)

Str. No 110 TC 860.30 Inv 856.19(E) Inv 857.39 (NW)

Str. No 111 TC 864.60 Inv 858.79(W) Inv 858.43 (SE)

Str. No 112 TC 863.50 Inv 859.87

Str. No 113 TC 863.80 Inv 860.10(W)

Str. No 114 TC 864.45 Inv 860.57(W) Inv 860.37(SE) Inv 861.37(N)

Str. No 115 TC 865.20 Inv 861.62

Str. No 116 TC 866.00 Inv 852.72(N) Inv 862.52(S)

Str. No 117 TC 858.16 Inv 855.43(S) Inv 855.03(W)

Str. No 118 TC 858.16 Inv 855.51

Str. No 119 TC 864.45 Inv 861.45

Str. No 120 TC 862.00 Inv 858.45(W) Inv 858.25(SE)

Str. No 121 TC 864.53 Inv 859.80(N) Inv 859.30(E)

Str. No 122 TC 865.11 Inv 860.74(W) Inv 860.24(S)

Str. No 123 TC 865.50 Inv 861.99(N) Inv 861.49(E)

Str. No 124 TC 867.93 Inv 863.79(N) Inv 862.79(S)

Str. No 125 TC 867.93 Inv 864.37(W) Inv 863.87(S)

Str. No 1 TC 857.50 Inv 851.34

Str. No 2 TC 856.50 Inv 850.18 (N&S) Inv 851.38(E&W)

Str. No 5 TC 863.10 Inv 856.93

Str. No 6 TC 856.70 Inv 850.90

Wye & Lateral Sta 2+80

Wye & Lateral Sta 0+90

Wye & Lateral Sta 0+25

25' of 18" RCP @ 0.70%

180' of 12" RCP @ 0.75%

400' of 18" RCP @ 2.00%

40' of 21" RCP @ 1.00%

180' of 12" RCP @ 1.00%

50' of 8" Pipe @ 1.00%

10' of 21" RCP @ 0.85%

150' of 24" RCP @ 0.60%

140' of 24" RCP @ 0.75%

20' of 12" RCP @ 0.50%

115' of 24" RCP @ 0.90%

240' of 24" RCP @ 0.90%

30' of 24" RCP @ 0.90%

230' of 30" RCP @ 0.40%

160' of 15" RCP @ 0.25%

275' of 8" Pipe @ 0.75%

400' of 8" Pipe @ 0.40%

230' of 8" Pipe @ 0.40%

290' of 8" Pipe @ 0.40%

25' of 30" RCP @ 0.30%

26' of 12" RCP @ 0.30%

150' of 30" RCP @ 0.60%

160' of 30" RCP @ 0.50%

80' of 30" RCP @ 0.55%

155' of 30" RCP @ 0.55%

50' of 30" RCP @ 0.70%

2.5' of 8" Pipe @ 0.40%

30' of 8" Pipe @ 0.40%

-0.50% -1.50% -0.55% -1.00% -2.08%

P.V.I. 13+76.09 P.V.I. 14+00 P.V.I. 15+71.09 P.V.I. 3+69.22 P.V.I. 3+19.77 P.V.I. 4+92.22 P.V.I. 6+00.12 P.V.I. 10+50.50 P.V.I. 11+35.08

P.C. 12+44.25 P.C. 10+22.14 P.C. 4+81.09 P.C. 3+69.22 P.C. 15+71.09

P.T. 16+81.82 P.T. 13+76.09 P.T. 3+19.77 P.T. 6+00.12

Inv 858.70(W) Inv 858.40(E)

Inv 858.70(N) Inv 858.40(S)

Inv 858.70(N) Inv 858.40(E)

15' D.U.& S.E.

20' D.U.& S.E.

30' D.U.& S.E.

35' D.U.& S.E.

50' D.U.& S.E.

10' D.U.& S.E.

D.U.& S.E.

6" Tile

8" Tile

8" Pipe

12" R.C.P.

27" R.C.P.

21" R.C.P.

15 Sq Yds Rip Rap

15 Sq Yds Rip Rap

GENERAL NOTE:

- STATIONS OF WYES AND LATERALS ARE FROM THE NEARFST DOWNSTREAM MANHOLE (LOT Nº 115, 116 & 117 ONLY)
- WYES AND LATERALS TO BE 6" PIPE UNLESS OTHERWISE SPECIFIED
- LATERALS RUNNING TO THE OPPOSITE SIDE OF BENNETT ROAD SHALL EXTEND 5' PAST THE RIGHT OF WAY LINE (PROPERTY LINE).

LEGEND

- Existing Sanitary Sewer W/Manhole
- New Sanitary Sewer W/Manhole
- New Sanitary Sewer Wye & Lateral
- Existing Storm Sewer W/Inlet
- New Storm Sewer W/Inlet

REVISIONS			
1	12684	RLU	Revised Storm Sewer & Added 5' S.D. surface drain
2	13684	RLU	Added Storm Inlet
3	4-29-84	RLU	Revised Exist. Storm Inlet
4	7-2-84	JTB	Added Drainage Swale To Northeast Corner, Lot 104
5	10-8-84	RLU	FINAL NAME

BM 3.84' RLU

RECORD DRAWING : 10-8-84 REVISED: 01-15-88

CERTIFIED

SCHNEIDER ENGINEERING CORPORATION
civil engineers
land surveyors
8025 NORTH FIRST ST.
INDIANAPOLIS, INDIANA 46268
(317) 876-8282
P.O. BOX 26068

PROJECT HUNTER'S CREEK VILLAGE-SEC. II
JOB NO 276.02
PREPARED FOR SCHUTZ & THOMPSON INC.
SCALE 1" = 50'
TITLE DEVELOPMENT PLAN

Entered by: JAH
Entry Date: 1-6-84
This information is not to be used in the construction of any structure.

HAMILTON COUNTY INDIANA

SHEET OF S-2 12

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CERTIFICATION FOR "AS BUILT" STORM SEWER.

STORM DRAINAGE ELEVATIONS ONLY

CERTIFIED BY: Dennis L. Grumpp

DENNIS L. GRUMPP REGISTERED No. 30303 STATE OF INDIANA LAND SURVEYOR

11/13/87

(50.0) GRADE ELEVATIONS OF RECORD

CEDAR LAKE SUBDIVISION

CEDAR LAKE COURT

HUNTERS CREEK VILLAGE - SECTION I

BRIDLE CIRCLE

BENNETT ROAD

HUNTERS CREEK VILLAGE - SECTION 2

EXIST. BEEHIVE
TC - 858.80
INV.(N) - 54.47
INV.(E) - 55.13
INV.(S) - 55.30

EXIST. MANHOLE
T.C. - 853.73
INV. (12"-N) - 850.33
INV. (18"-W) - 849.88
INV. (21"-E) - 849.63

EXIST. END SECTION
INV. - 850.73

EXIST. END SECTION
INV. - 849.07

REMOVE END SECTION AND TWO LENGTHS OF PIPE

PROPOSED HEADWALL (SEE DETAIL)

NEW EDGE OF WATER

REMOVE EXISTING ROCK CHECK DAM

65' of 12" R.C.P. @ 1.00%

REMOVE END SECTION

EXIST. RIP-RAP

Area of re-stabilization (see Erosion Control Notes)

EXISTING 12" R.C.P. STORM SEWER

EXISTING 8" SANITARY SEWER

EXISTING 21" R.C.P. STORM SEWER

15' DRAINAGE EASEMENT

8" PERFORATED PLASTIC SUBDRAIN

POWER POLE

EXISTING LAKE
NORMAL POOL ELEV.= 845.50 (847.50)
MAX. POOL ELEV.= 849.50

HAMILTON COUNTY INDIANA

This information is gathered for input into the computer data base. Graphical information system is contained at the Auditor's office of the C.O.

Entry Date: 11-6-87

Entered by: JDH

DRAINAGE OUTLET RECONSTRUCTION PLAN

SCALE: 1"= 50'

Existing 12" Water Line

Existing 21" R.C.P.

New 12" R.C.P.

Existing Flow line

New headwall (see detail)

New edge of water

Existing contours

Existing edge of water

Rock Channel Protection (see detail)

5:1 SLOPE

8" Perforated Plastic Subdrain

1/2 TRENCH DEPTH MIN.

SOIL PLACEMENT

TRENCH DEPTH

BEDDING

TOP OF GRANULAR BACKFILL

12" MIN.

I.D.

O.D.+0.6"

4" MIN.

1/8 MIN.

FULLY COMPACTED GRANULAR BACKFILL

PIPE BEDDING:
- FOR RIGID SEE ASTM C12.
- FOR FLEXIBLE SEE ASTM D-2321.

BEDDING MATERIAL

TRENCH AND BEDDING DETAIL

MAX. SLOPE - 3:1

MAX. SLOPE - 3:1

5'

12" MIN. DEPTH DUMPED ROCK CHANNEL PROTECTION (1 CU. FT. MIN. ROCK SIZE)

BOTTOM WIDTH

ROCK CHANNEL DETAIL (A)

12" R.C.P.

8" Concrete headwall

8" subdrain

4" Concrete apron

21" R.C.P.

SECTION AA

GENERAL NOTES:

- Structure shall be reinforced in both walls, floor (apron) and footings with 8"x8" Woven Wire Fabric.
- Subgrade below footings shall be over-excavated and backfilled with granular material.
- Contractor to provide child and animal guard over pipe ends.

TOP WALL - 851.04

15" CMPCP

BOTTOM 47.84

BOTTOM 48.39

847.30

847.00

14" Toe wall

SECTION BB

CONCRETE "L"-WALL

Temporary Seeding Dates

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wheat or Rye											
Oats											
Annual Ryegrass											

Permanent Seeding Dates

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Non-Irrigated											
Irrigated											
Dormant Seedings*											

zzzz Irrigation needed during this period. To control erosion at times other than in the shaded areas, use mulch.

* Late summer seeding dates may be extended 5 days if mulch is applied.

** Increase seeding application by 50%.

Temporary Seedings

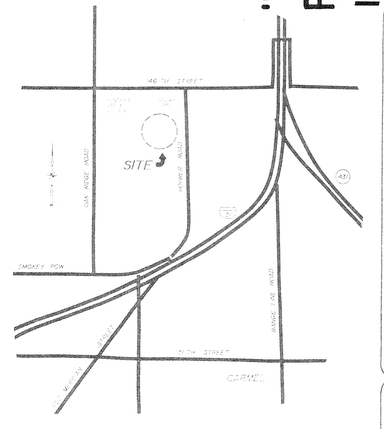
Kind of Seed	Rates per 1000 Sq. Ft.	Acre	Remarks
Wheat or Rye	3.5 lbs.	2 bu.	Cover seed 1" to 1 1/2" deep
Spring Oats	3.3 lbs.	1 bu.	Cover seed 1" deep
Annual Ryegrass	1 lb.	40 lbs.	Cover seed 1/4" deep*

* Mulch material where mulch is applied.

EROSION CONTROL

- LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENT.
- THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS QUICKLY AS PRACTICAL.
- TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS DURING DEVELOPMENT.
- PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL UNDER THE CIRCUMSTANCES.
- SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF SUCH METHODS AS DEBRIS BASINS, AND SILT TRAPS UNTIL THE DISTURBED AREA IS STABILIZED.

FILED
NOV 16 1987
HAMILTON COUNTY DRAINAGE BOARD



LOCATION MAP

"AS BUILT" RECORD DRAWING
11/13/87

REVISIONS

BY	DATE	CHECK	NO.	BY	DATE	CHECK
dlg	8/11/87		1	dlg	8/26/87	dlg

Moved proposed headwall 25' east, revised inlet & invert, subdrain location.

DRAWN dlg

CHECK

SCHNEIDER ENGINEERING CORPORATION
civil engineers
land surveyors
3220 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226-6518
(317) 898-8282
P.O. BOX 26068
CERTIFIED

JOB NO. 276.02

SCALE: 1" = 50'

PROJECT: HUNTER'S CREEK VILLAGE 2

PREPARED FOR: QUADRANT DEV. CO. INC.

TITLE: DRAINAGE OUTLET RECONSTR.

SHEET — OF —

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