

SURVEYOR'S OFFICE
Hamilton County

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

Date: September 1, 2006

Re: Cumberland Road Arm of Mud Creek/Sand Creek Drainage Area

The following report is a revision of my report dated June 16, 2006. At the July 24, 2006 meeting of the Hamilton County Drainage Board, the board conducted a hearing for the construction of the proposed Cumberland Road Arm. (See Drainage Board Minutes Book 9, pages 325 to 330) At that time, the Drainage Board turned down the proposal in order for a new report to be generated which included the property owners within that portion of Walnut Hills which would benefit from the construction of this arm.

Attached are plans, specifications, drain map, drainage-shed map, and schedule of assessments for the construction of Cumberland Road Arm of Mud Creek/Sand Creek Drainage Area located in Fall Creek Township. This proposed Arm will be a 21" diameter reinforced concrete pipe and will cover a distance of 412 feet that will outlet into a 135 feet of swale which will then enters the Sand Creek Drain. This pipe conveyance will begin approximately 17 feet east of the R/W of Cumberland Road on tract 13-15-05-00-00-036.002, which is owned by the William E. & Patricia A. Fuller, Trustees of Revocable Living Trust with Life Estate to Patricia A. Fuller. A 30' drainage easement (Instrument #200200040387, recorded by the Hamilton County Recorder June 5, 2002) exists along the north and west property lines of this tract. The drainage area covers portions of Sections 5 and 6, Township 17 North, Range 5 East with a total acreage of approximately 19.15 acres.

Construction Project:

The Cumberland Road Arm of Mud Creek/Sand Creek Drain project will consist of new construction. The location will outlet at sta. 0+00 outside the banks of Sand Creek on a 15' drainage easement located on Lot 9 of the Walnut Hills Subdivision. Three structures will be placed in this new drain. It was determined that isolated flooding occurs south of the proposed project along the side ditch of Cumberland Road.

Below is the hydraulic data for the proposed arm:

Watershed	= 19.15 acres
Cumberland Arm Q ₁₀₀ *	= 9.17 cfs
Pipe Capacity (21" RCP)	= 11.21 cfs

* Information from letter written to Platinum Properties on April 3, 2002 from James Rinehart of Stoepelwerth & Associates.

A 21" dia. RCP will convey the flow of the 100-year storm.

The construction of this drain will require acquisition of new easement from Sta. 0+70 to Sta. 4+30. The tract on which additional easement will be required are as follows:

<u>Name</u>	<u>Parcel #</u>
Midwest PropertiesCom LLC	15-15-06-00-00-008.000

The following is an approximate description of the proposed easement for Arm #1 of the Cumberland Road Arm of Sand Creek:

Cumberland Road Arm of the Sand Creek regulated Drain

Being a part of the Northeast Quarter of Section 6, Township 17 North, Range 5 East, Fall Creek Township, Hamilton County, Indiana.

Being a 40 foot wide, measured at right angles, the said easement being more particularly described as follows:

Commencing at a point on the east line of said quarter section being North 0 degrees 01 minute 14 seconds East 465.54 feet from the Southeast corner thereof to a Point of Beginning.

Thence North 89 degrees 52 minutes 09 seconds West 495.92 feet to the approximate centerline of Sand Creek; Thence North 9 degrees 44 minutes 07 seconds West 40.22 feet along said centerline, Thence South 89 degrees 52 minutes 09 seconds East 498.50 feet to the East line of said quarter section; Thence South 00 degrees 01 minute 14 seconds West along said east line, 40.00 feet to the Point of Beginning.

An existing 15 foot drainage easement exists on the north side of lots 7,8 and 9 of Walnut Hills Subdivision. These easements are per the amended secondary plat for Walnut Hills Subdivision as recorded in the office of the Hamilton County Recorder Plat Cabinet 2 , Slide Number 272, Instrument #9932817. In addition to the easement on the north side of lot 9, an additional variable drainage easement exists along the west side of the lot for Sand Creek.

I do not believe that damages will occur on properties affected by this proposed work.

COST ESTIMATE

The cost estimate for this work shall be as follows:

21" Dia. RCP – 412' @ \$48.00 per foot	\$ 19,776.00
Asphalt Replacement, 60 SYS @ \$ 75 per SYS	\$ 4,500.00
Compacted Aggregate 30 CYS @ \$ 65 per CYS	\$ 1,950.00
Traffic Maintenance, @ 1 Lump Sum	\$ 2,000.00
135 LF of Swale @ \$35.00 per foot	\$ 4,725.00
Earthen Check Dam, 1 each @ \$2,000.00	\$ 2,000.00
Install 5'X5'X6' Manhole w/ Lid, 1 each @ \$2,475.00	\$ 2,475.00
Install 5'X5'X6' Manhole w/ Grating, 2 each @ \$3,000.00	\$ 6,000.00
Erosion Control (Rip Rap, Seeding, Coir Logs & C-350) @ 1 Lump Sum	\$ 6,000.00
Sub Total	\$ 49,426.00
+ contingency costs	\$ 6,958.00
Total	\$ 56,384.00

The cost of the pipe structure under Cumberland Road shall be assessed to the Hamilton County Highway Department as per IC 36-9-27-71. This includes the following:

Placing 99 LF of 21" RCP in Hamilton County Highway Easement	\$ 4,752.00
Asphalt Replacement, 60 SYS @ \$ 75 per SYS	\$ 4,500.00
Compacted Aggregate 30 CYS @ \$ 65 per CYS	\$ 1,950.00
Traffic Maintenance, @ 1 Lump Sum	\$ 2,000.00
<u>Install 5'X5'X6' Manhole w/ Grating, 2 each @ \$3,000.00</u>	<u>\$ 6,000.00</u>
Highway Portion	\$19,202.00

Upon consideration of the board's instructions at the July 24, 2006 hearing, it was determined that the portion of Walnut Hills subdivision which would benefit from the construction of this arm is that portion between Sand Creek and Cumberland Road. This would include Lots 1 and 17.

I have reviewed the drainage shed for Cumberland Road Arm of the Mud Creek/Sand Creek Drainage Area Regulated Drain and upon considering all parcels individually; I believe that each parcel within Spyglass Falls and Walnut Hills of this drainage shed will have equal benefits by land use as provided by the drain. Therefore I recommend each lot be assessed on the same basis equally by land use. I recommend that each tract including Common Area #2 of Spyglass Falls be assessed as residential at a construction assessment of \$123.00 per lot. Roads shall be assessed at a rate of \$2,095.00 per acre.

Since this area is an urbanized area, the Mud Creek/Sand Creek Drainage Area will be designated an urban drain per IC 36-9-27-67.

This project will require a Rule 5 NPDES permit since the area of disturbed land will be more than 1 acre. This NPDES plan received a Notice of Sufficiency on June 30, 2006. A letter to the Army Corps of Engineers was sent on May 8, 2006 to determine if a Section 404 permit would be required for this project. On July 11, 2006 the Army Corps of Engineers responded that no permit would be required.

Although a portion of the new drain is within the floodway, per IC 14-28-1-22, a permit from INDR is not required for the construction of the proposed arm.

Along with the construction project outlined above, I recommend that the existing offsite line for Spyglass Falls Section 3 be made part of the regulated drain system. This line is shown on plans for this section by Stoeppelwerth & Associates dated August 1, 2001, Job Number 19913. The lengths involved with this proposal, as shown on the plans, are between structures 698, 697 and 696. The length of the new drain will be 651 feet of 15" RCP. The easement for the new regulated drain will be the aforementioned easement on the Fuller Property and the platted easements on lots 17 and 18 and Common Area # 2 as shown on the plat recorded in the office of the Hamilton County Recorder in Plat Cabinet 3, Slide 100, Instrument # 200200089394.

I have reviewed the plans and the drain map and believe, as set out in IC 36-9-27-69, that all tracts within the drainage shed of the Cumberland Road Arm will benefit. I recommend the following maintenance assessment to be adopted by the Board:

1. Maintenance assessment for roads and streets be set at \$10.00 per acre.
2. Maintenance assessment for non-platted residential tracts and agricultural tracts be set at \$3.00 per acre with a \$15.00 minimum.
3. Maintenance assessment for platted lots in non-regulated drain subdivisions shall be set at \$35.00 per lot/minimum. Common areas within non-regulated drain subdivisions shall be assessed at \$5.00 per acre with \$35.00 minimum.

4. Maintenance assessment for platted lots within subdivisions whose drainage system will be part of the regulated drain shall be set at \$65.00 per lot/minimum. Common areas within the regulated drain subdivisions shall be set at \$10.00 per acre with a \$65.00 minimum.
5. Maintenance assessment for commercial, institutional and multi-family residential tracts be set at \$10.00 per acre with a \$75.00 minimum.

I recommend that the Board set a hearing for this reconstruction for October 23, 2006.



Walter A. Evans, P.E.
Project Engineer
Hamilton County Surveyor's Office

wae

FINDINGS AND ORDER

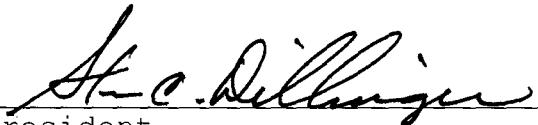
CONCERNING THE MAINTENANCE OF THE

Mud Creek/Sand Creek Drainage Area, Cumberland Road Arm

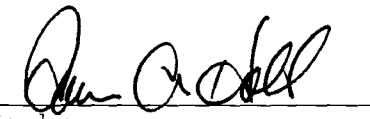
On this **23rd day of October 2006**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Mud Creek/Sand Creek Drainage Area, Cumberland Road Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

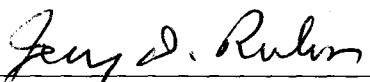
HAMILTON COUNTY DRAINAGE BOARD



President

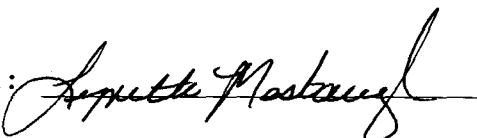


Member



Member

Attest:



STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Mud Creek/Sand Creek Drainage Area, Cumberland Road Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Mud Creek/Sand Creek Drainage Area, Cumberland Road Reconstruction** came before the Hamilton County Drainage Board for hearing **on October 23, 2006**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

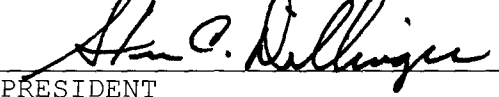
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.


The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.


Wherefore, it is ORDERED, that the proposed Reconstruction of the **Mud Creek/Sand Creek Drainage Area, Cumberland Road Reconstruction** be and is hereby declared established.


Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD


PRESIDENT


Member


Member

ATTEST: 
Executive Secretary

EXPERIENCE QUESTIONNAIRE

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

- 1. How many years has your organization been in business as a General Contractor under your present business name? 28

- 2. How many years experience in Excavating & construction work has your organization had:
 - (a) As a General Contractor? 28
 - (b) As a sub-contractor? 28

- 3. For what cities have you performed work and to whom do you refer?
See Attached List

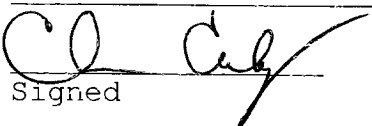
- 4. For what counties have you performed work and to whom do you refer?
See Attached List

- 5. For what State bureaus or departments have you performed work and to whom do you refer?
See Attached List

- 6. Have you ever performed any work for the U.S. Government? No
If so, when and to whom do you refer?

7. What is the construction experience of the principal individuals of your organization?

Individual's Name	Present Position	Years of Const. Exp.	Magnitude And Type	In What Capacity
<u>Ronald Culy</u>	<u>President</u>	<u>28</u>	<u>Owner/President</u>	
<u>Chris Culy</u>	<u>Sec/Treasurer</u>	<u>25</u>	<u>Owner/Sec-Treasurer</u>	
<u>Max Jennings</u>	<u>Vice President</u>	<u>17</u>	<u>VP/General Manager</u>	
<u>Doreen Culy</u>	<u>Vice President</u>	<u>14</u>	<u>VP/Office Manager</u>	


Signed

EQUIPMENT QUESTIONNAIRE

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

Contractor shall include all equipment listed on Bid Form in Questions #1 and #2 below.

1. What equipment do you own that is available for the proposed work?

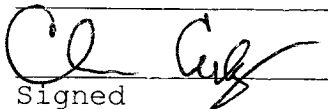
See Attached List

Multiple horizontal lines for handwritten response.

2. What equipment do you intend to lease or rent for use on the proposed work, should the contract be awarded to you?

None

Multiple horizontal lines for handwritten response.

Signed 

Supplemental Bid

Item Description	Unit	Unit cost
RCP	(Installed)	
12"	LF	12.50
15"	LF	16.60
18"	LF	18.25
21"	LF	22.75
24"	LF	27.60
27"	LF	28.00
30"	LF	28.50
33"	LF	30.00
36"	LF	32.00
CMP 16 GA	(Installed)	
6"	LF	6.40
8"	LF	9.80
10"	LF	10.35
12"	LF	12.45
18"	LF	17.85
21"	LF	20.15
24"	LF	22.65
30"	LF	28.75
36"	LF	36.35
Animal Guard		
6"	each	
8"	each	
10"	each	
12"	each	
18"	each	
21"	each	
HDPE, Dual Wall	perforated (Installed)	
6"	LF	.95
8"	LF	1.80
10"	LF	3.20
12"	LF	4.05
18"	LF	6.00
HDPE, Dual Wall	non-perf. (Installed)	
6"	LF	.95
8"	LF	1.80
10"	LF	3.20
12"	LF	4.05
18"	LF	BF-1

Item Description	Unit	Unit cost
HDPE, Dual Wall	Tees	
6"	EACH	8.85
8"	EACH	17.25
10"	EACH	30.00
12"	EACH	36.80
18"	EACH	80.00
HDPE, Dual Wall	Internal Coupler	
6"	EACH	3.45
HDPE, Dual Wall	External Coupler	
8"	EACH	5.75
10"	EACH	6.25
12"	EACH	7.50
SDR 35 PVC	(Installed)	
6"	LF	2.60
8"	LF	5.40
10"	LF	7.40
12"	LF	12.00
15"	LF	14.00
18"	LF	19.00
SDR 35 PVC	Tees	
6"	EACH	20.70
8"	EACH	50.40
10"	EACH	154.00
12"	EACH	225.00
15"	EACH	250.00
18"	EACH	400.00

Supplemental Bid Cont.,

Item Description	Unit	Unit cost
Machine Prices per hour		
Hydraulic Excavator		
5/8 Cu. Yd	HOUR	80.00
36" Bucket	HOUR	80.00
3/4 Cu. Yd Dredge Bucket	HOUR	80.00
Bulldozer under 100 hp	HOUR	60.00
Bulldozer over 100 hp	HOUR	80.00
Backhoe w/loader	HOUR	30.00
Grader	HOUR	70.00
Tractor	HOUR	30.00
Pumps	DAY	15.00
Compactor	DAY	15.00
Mini-Excavator	HOUR	30.00
Bobcat	HOUR	30.00
Bulldozer	HOUR	80.00
Trucks		
Pickup to 1 ton	HOUR	10.00
1 ton	HOUR	10.00
Single Axle	HOUR	20.00
Tandem or Tri-Axle	HOUR	32.00
Material (Delivered to site)		
Concrete - 3000 PSI	CYS	85.00
Concrete - 4000 PSI	CYS	95.00
Flowable Fill	CYS	50.00
Graded Rip Rap (7"-9")	CYS	18.50
Fill Sand	TON	12.75
Washed #8 Stone	TON	12.75
Unwashed #8 Stone	TON	13.25
#2 Stone	TON	13.25
#4 Stone	TON	14.50
Tordon for Stump Treatment	GAL	62.00
Labor per hour		
Supervisor	HOUR	40.00
Machine operator	HOUR	40.00
Labor	HOUR	40.00

Item Description	Unit	Unit cost
Erosion Control Materials		
Indiana Seed Co. or Equiv.		
#18 Lawn Mix	LBS	1.80
#6 Rough Mix	LBS	1.70
Wheat	LBS	.20
Annual Rye	LBS	1.25
12-12-12 Fertilizer	LBS	.25
Hydro-Seed	SQ. FT.	.25
Straw Bales	EACH	5.00
7' Steel Fence Posts	EACH	5.85
Silt Fence	LF	.50
Dirt Fill	CYS	8.50
Erosion Control Blanket SC-150	SYS	.85
Erosion Control Blanket SC-250	SYS	1.20
Erosion Control Blanket P-300	SYS	1.50

Plan Of Action

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories herein made.

1. Explain your plan or layout for performing proposed work, including anticipated start and finish dates for each bid item or task.

As per specifications set forth by the Engineer.

Anticipated Start Date - 10 days after Notice to Proceed
Anticipated Finish Time - 2 weeks

2. If you intend to sublet any portion of the work, state the name and address of each subcontractor, equipment to be used by subcontractor, and whether you expect to require a bond.

Asphalt - E&B Paving, Inc - Noblesville Plant

3. What equipment do you intend to use for the proposed project?

See Attached List

4. Have you made contracts or received offers for all materials within prices used in preparing your proposal?

Received offers on materials

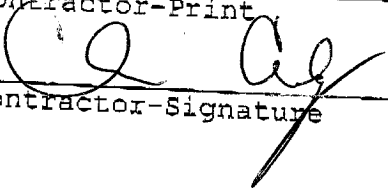
TO: HAMILTON COUNTY DRAINAGE BOARD

RE:

As Contractor on the contract awarded on January 5, 2007
for the Mud Creek Sand Creek Drain, I hereby notify
the Hamilton County Drainage Board that all expenses incurred
for labor and materials have been paid in full.

The foregoing is true under the penalties of perjury.

BY: Culy Construction & Excavating, Inc.
Contractor-Print


Contractor-Signature

STATE OF INDIANA, HAMILTON COUNTY, ss:

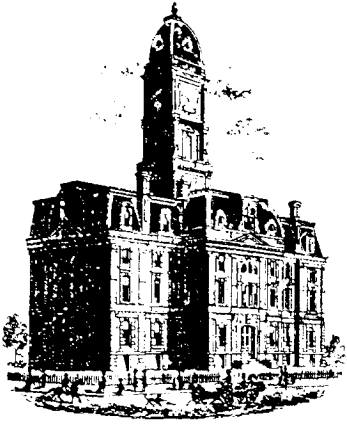
Subscribed and sworn to before me, the undersigned, a Notary
Public in and for said County this 21st day
of May 20 08.

Witness my hand and official seal.

My Commission expires 1-23-2011

 Notary Public

Randolph County of Residence



SURVEYOR'S OFFICE
Hamilton County

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

June 19, 2007

To: Hamilton County Drainage Board

RE: Mud Creek / Sand Creek Drainage Area – Cumberland Rd. Arm Reconstruction

Item: Change Order #1

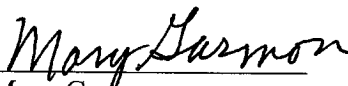
The Hamilton County Surveyor's Office is requesting additional funds to purchase the drainage easement located just north of Walnut Hills Subdivision and owned by Kahlil Barnard. The offer of \$11,800.00 was accepted by Mr. Barnard for the drainage easement and per the attached legal description written by the Hamilton County Drainage Board Attorney, Mr. Howard.

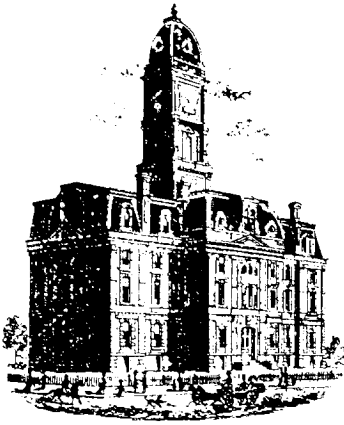
The approved reconstruction bid price for this project was	\$ 53,160.00
Contractor bid	42,915.00
Change Order Request #1	<u>11,800.00</u>
Total Reconstruction Cost	\$ 54,715.00

The additional funds needed to purchase the easement results in a shortfall of \$1,555.00.

The Surveyor's Office is requesting approval of this Change Order.

Sincerely,


Mary Garmon
Permits Inspector



SURVEYOR'S OFFICE

Hamilton County

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

Date: January 2, 2008

RE: Mud Creek / Sand Creek Drainage Area – Cumberland Rd. Arm Reconstruction

Item: Change Order #2

The Hamilton County Surveyor's Office is requesting a second change order due to a project design modification.

Additional

- | | |
|-------------------------------|--------------------|
| 1. 1 – 21" RCP End Section | \$ 1,000.00 |
| 2. 24 LF of 15" RCP @ \$50.00 | \$ 1,200.00 |
| 3. 120 LF of swale @ \$9.00 | \$ 1,080.00 |
| 4. 20 LF of 10" CMP @ \$20.00 | \$ 400.00 |
| 5. 261 LF of 8" SSD @ \$16.54 | <u>\$ 4,317.00</u> |

Deletions

- | | |
|-------------------------|--------------------|
| 1. 120' of 21" RCP pipe | <u>\$ 6,000.00</u> |
|-------------------------|--------------------|

Change Order #2 Total- - - - - \$ 1,997.00

Contractor bid	\$ 42,915.00
Change Order Request #1	\$ 11,800.00 (easement)
Change Order Request #2	<u>\$ 1,997.00</u>
Total Reconstruction Cost	<u>\$ 56,712.00</u>

Engineer's Estimate	\$ 53,160.00
Total Reconstruction Cost	<u>\$ 56,712.00</u>
Negative difference	- \$ 3,552.00

The Surveyor's Office is requesting approval of this Change Order.
 Submitted by Mary Garmon



SURVEYOR'S OFFICE Hamilton County

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Phone (317) 776-8495
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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

Date: May 20, 2008

RE: Mud Creek / Sand Creek Drainage Area – Cumberland Rd. Arm Reconstruction

Item: Change Order #3

The Hamilton County Surveyor's Office is requesting a third change order due to additional blankets for the swale construction.

Additional

5 Blankets 253.25 Syd. @ \$4.00 \$ 1,013.00

Deletions

Earthen Check Dam \$ 2,200.00

Silt Fencing \$ 810.00

Change Order #2 Total (deduct) ----- \$ 1,997.00

Contractor bid	\$ 42,915.00
Change Order Request #1	\$ 11,800.00 (easement)
Change Order Request #2	\$ 1,997.00
Change Order Request #3 (deduct)	<u>\$ 1,997.00</u>
Total Reconstruction Cost	\$ 54,715.00
Engineer's Estimate	\$ 53,160.00
Total Reconstruction Cost	<u>\$ 54,715.00</u>
Difference	\$ 1,555.00

The Surveyor's Office is requesting approval of this Change Order.
Submitted by Mary Garmon



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Suite 188
 One Hamilton County Square
 Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board

January 3, 2008

RE: Mud Creek / Sand Creek Drainage, Cumberland Rd. Arm Reconstruction

ITEM: Pay Claim #1

Culy Construction & Excavating, Inc. has submitted a claim for \$ 28,905.00.

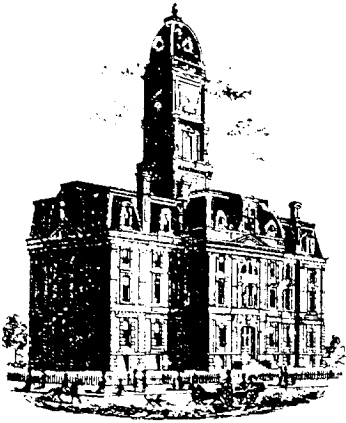
The contractor installed: <u>21" RCP</u>	292 LF at \$50.00 = \$ 14,600.00
The bid price for: <u>Swale</u>	135 LF At \$ 9.00 = \$ 1,215.00
The bid price for: <u>Manholes</u>	3 Ea. At \$1,560.00 = \$ 4,680.00
The bid price for: <u>Road Cut Repair</u>	Lump Sum = \$ 3,660.00
The bid price for: <u>Flowable Fill</u>	30 Cyds. At \$100.00 = \$ 3,000.00
The bid price for: <u>Traffic Control</u>	Lump Sum = \$ 850.00
The bid price for: <u>Inlet Casting</u>	3 Ea. At \$300.00 = \$ 900.00

Claim #1, January 2, 2008	\$ 28,905.00
15% retainage	<u>4,335.75</u>
Total paid on claim	\$ 24,569.25

The Surveyor's Office has reviewed the claim request and inspected the work to be completed. The Office recommends the Board approve the request for the payment amount of \$ 24,569.25.

Sincerely,

Mary Garmon



SURVEYOR'S OFFICE
Hamilton County

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

DATE: May 23, 2008

RE: Mud Creek / Sand Creek Drainage, Cumberland Rd. Arm Reconstruction

ITEM: Pay Claim #2

Culy Construction & Excavating, Inc. has submitted a claim for \$ 5,000.00.

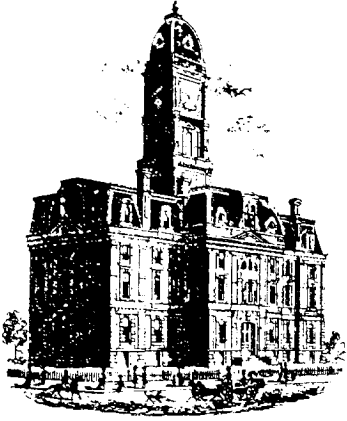
The contractor installed permanent seeding	lump sum = \$3,000.00
The bid price for: Erosion Control blankets	300 Sq yds = \$1,200.00
The bid price for: Rip Rap	20 Sq yds = \$ 800.00

Claim #2, May 23, 2008	\$ 5,000.00
15% retainage	<u>750.00</u>
Total paid on claim	\$ 4,250.00

The Surveyor's Office has reviewed the claim request and inspected the work to be completed. The Office recommends the Board approve the request for the payment amount of \$ 5,000.

Sincerely,

Mary Garmon



K.W.

SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
July 22, 2008 *Hamilton County Square*
Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board

RE: Mud Creek / Sand Creek Drainage, Cumberland Rd. Arm Reconstruction

ITEM: Final Claim

Culy Construction & Excavating, Inc. has submitted the final pay claim for releasing the retainage in the amount of \$ 6,437.25

The Surveyor's Office has reviewed the claim request and inspected the work to be completed. The Office recommends the Board approve the request for final payment for the retainage in the amount of \$ 6,437.25.

Sincerely,

Mary Garmon



SURVEYOR'S OFFICE

Hamilton County

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

October 10, 2008

RE: Cumberland Road Arm of the Mud Creek Sand Creek Drainage Area –
Reconstruction Final Report

The Hamilton County Surveyor's Office has completed the inspection of the Cumberland Road Arm of Mud Creek/Sand Creek Drainage Area. This project is located in Fall Creek Township, Hamilton County, Indiana; Section 33, Township 5 and 6, Range 5 East on Cumberland Road.

The project consisted of installing 3 (three) structures, 268' (feet) of 21" reinforced concrete pipe, 264' of swale, and 181' of 8" SSD, with a 20' cmp that outlets to Sand Creek. This project also involved acquiring 40 feet additional easement from Kahlil Barnard, which was recorded August 27, 2007, instrument # 2007048903.

The Surveyor's report for the Cumberland Road Arm reconstruction dated September 1, 2006 was approved at the Drainage Board Meeting, October 23, 2006, (Hamilton County Drainage Board Minutes Book 9, Pages 475 - 476). The Board awarded the contract to Culy Construction in the amount of \$ 42,915.00 on January 22, 2007, (Hamilton County Drainage Board Minutes Book 10, Page 35).

Culy Construction provided a Bid Bond for the bid amount through Fidelity and Deposit Insurance, Co., bond number 8870381, dated February 2, 2007. The Bond will be released by the Board, December 8, 2008.

The Statement of Incurred expenses signed by the contractor as required in IC 36-9-27-82(b) was received on May 21, 2008. The contractor's claim for retainage release was submitted on July 22, 2008.

The Notice of Intent from the Indiana Department of Environmental Management for the NPDES Rule 5 general permit was approved on October 16, 2006. The Rule 5 Notice of Termination was submitted on December 2, 2008.

There were a total of three change orders for this project.

Change Order #1

Easement purchase total \$11,800.00

Change Order #2

Additional

- 1. 1 – 21” RCP End Section \$ 1,000.00
- 2. 24 LF of 15” RCP @ \$50.00 \$ 1,200.00
- 3. 120 LF of swale @ \$9.00 \$ 1,080.00
- 4. 20 LF of 10” CMP @ \$20.00 \$ 400.00
- 5. 261 LF of 8” SSD @ \$16.54 \$ 4,317.00

Deletions

- 1. 120’ of 21” RCP pipe \$ 6,000.00

Change Order # 2 total ----- \$ 1,997.00

Change Order #3

Additional

- 1. 5 Blankets 253.25 Syd. @ \$4.00 \$ 1,013.00

Deletions

- Earthen Check Dam \$ 2,200.00
- Silt fencing \$ 810.00

Change Order #3 Total (deduct) ----- \$ 1,997.00

Pay requests for this project are detailed below:

- N.O.I. Permit was for \$100.00 paid on 06/27/2006
- Kahlil Barnard easement \$ 11,800.00 paid on 08/14/2007
- Pay request #1 was for \$ 31,366.70 paid to Culy Construction on 1/29/2008
- Pay request #2 was for \$ 5,111.05 paid to Culy Construction on 06/10/2008
- Retainage request for \$ 6,437.25 paid to Culy Construction on 8/12/2008

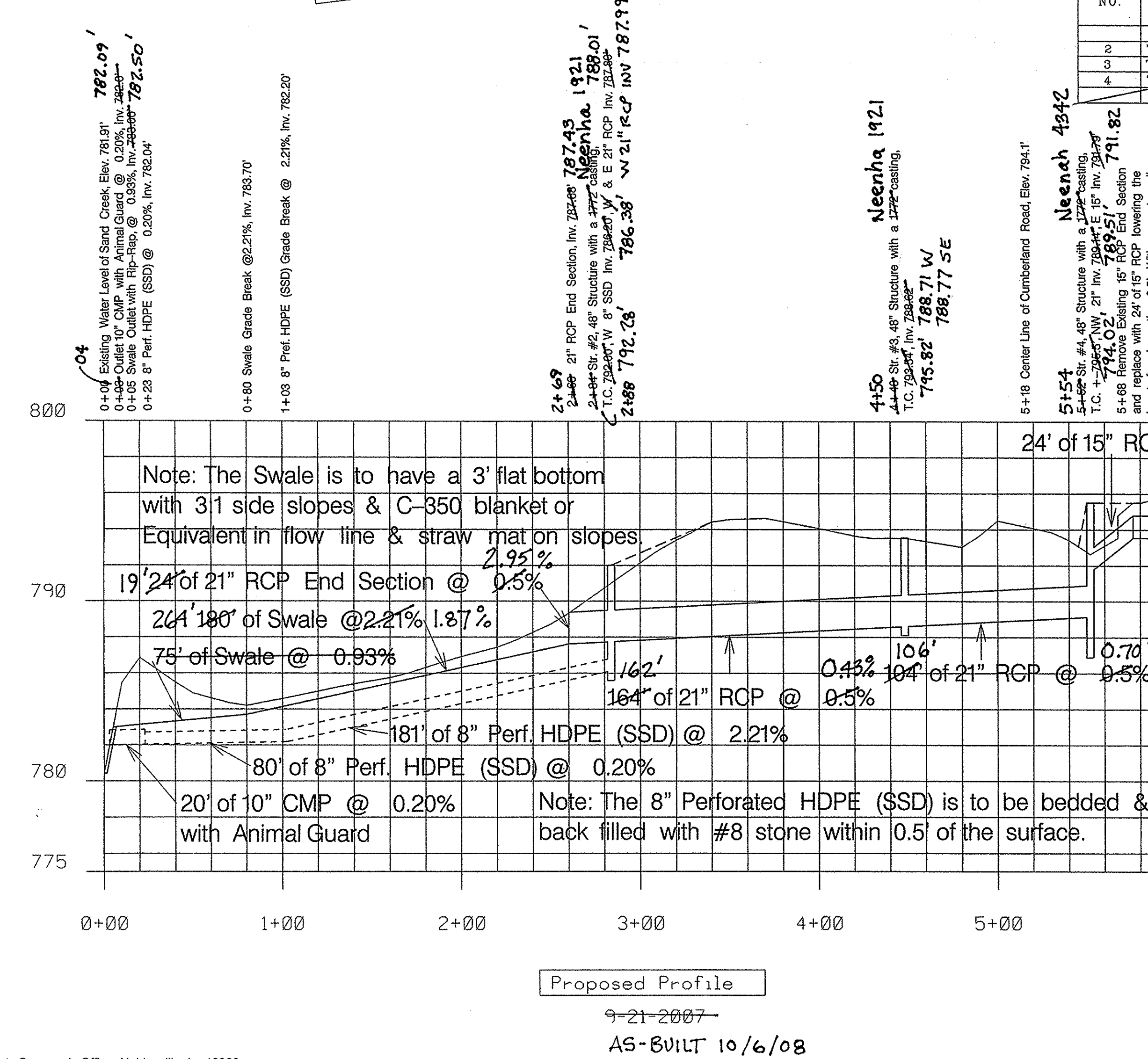
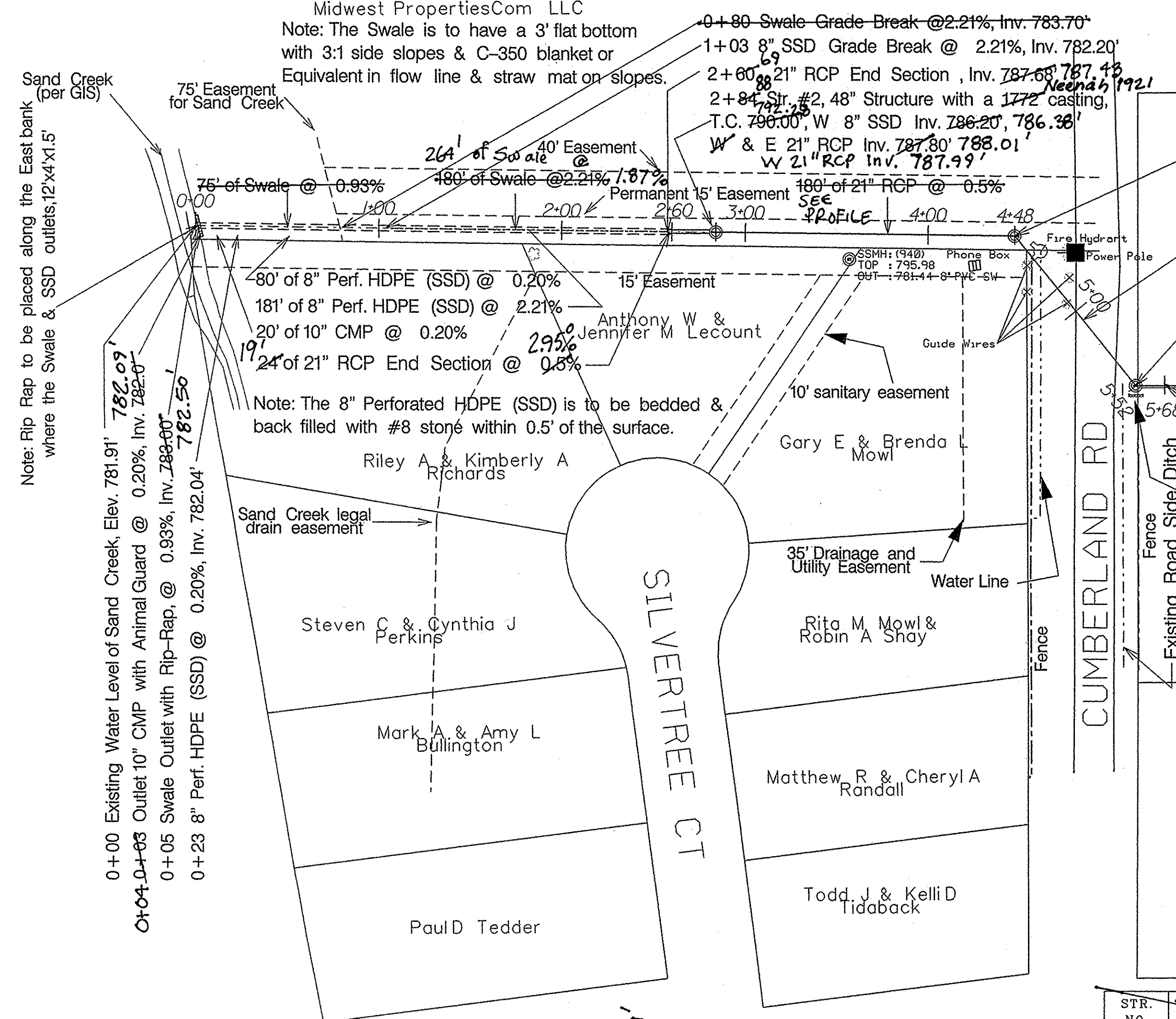
The total reconstruction cost will be \$ 54,815.00. The engineer’s estimate was \$ 56,384.00. The total reconstruction assessment funding is \$ 56,384.46. Unexpended reconstruction funds are \$ 1,569.46. I would recommend placing the \$ 1,569.46 (unexpended funds) into the Maintenance account for this Drain.

This project should be approved by the Board as the project is complete and acceptable.

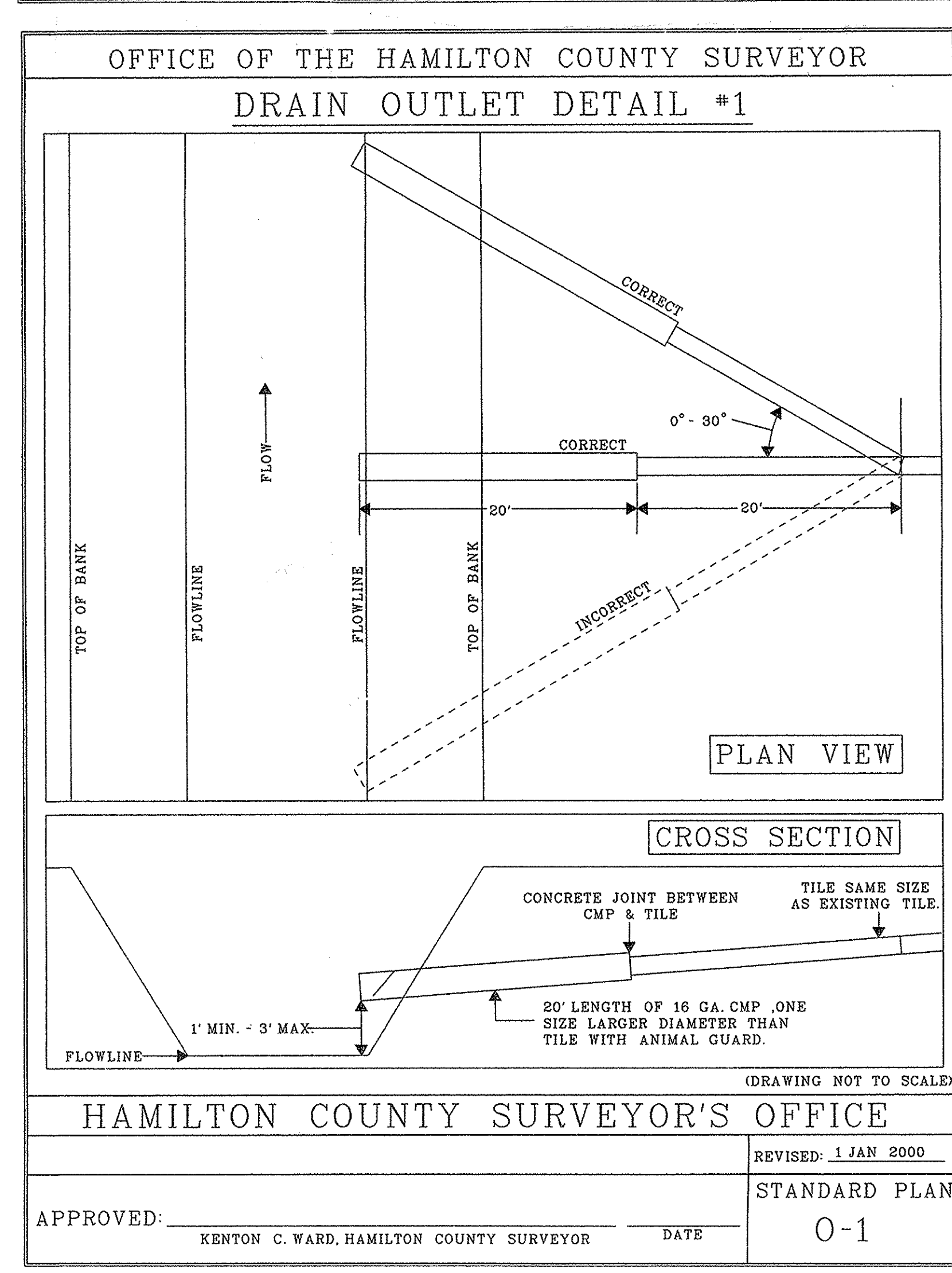
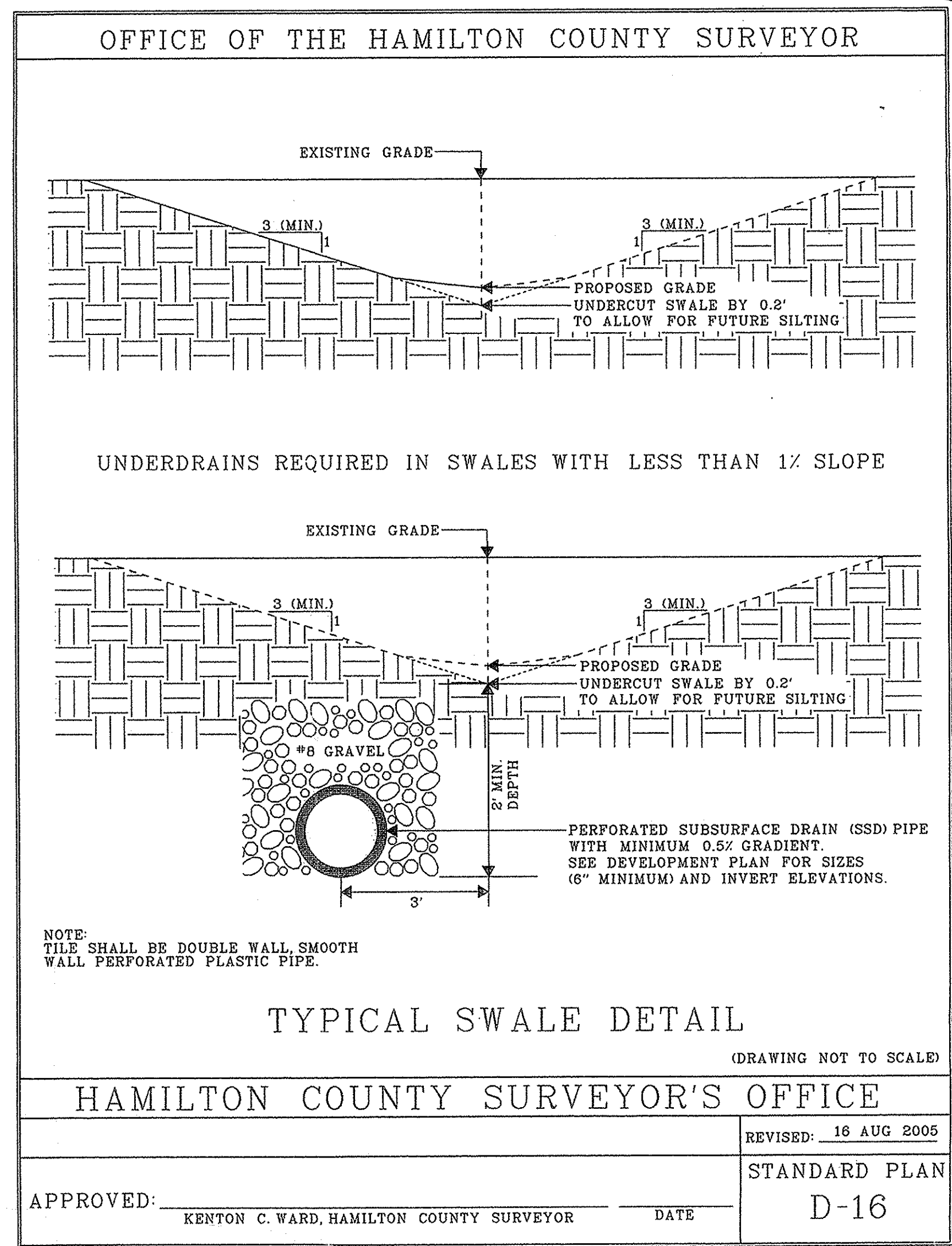
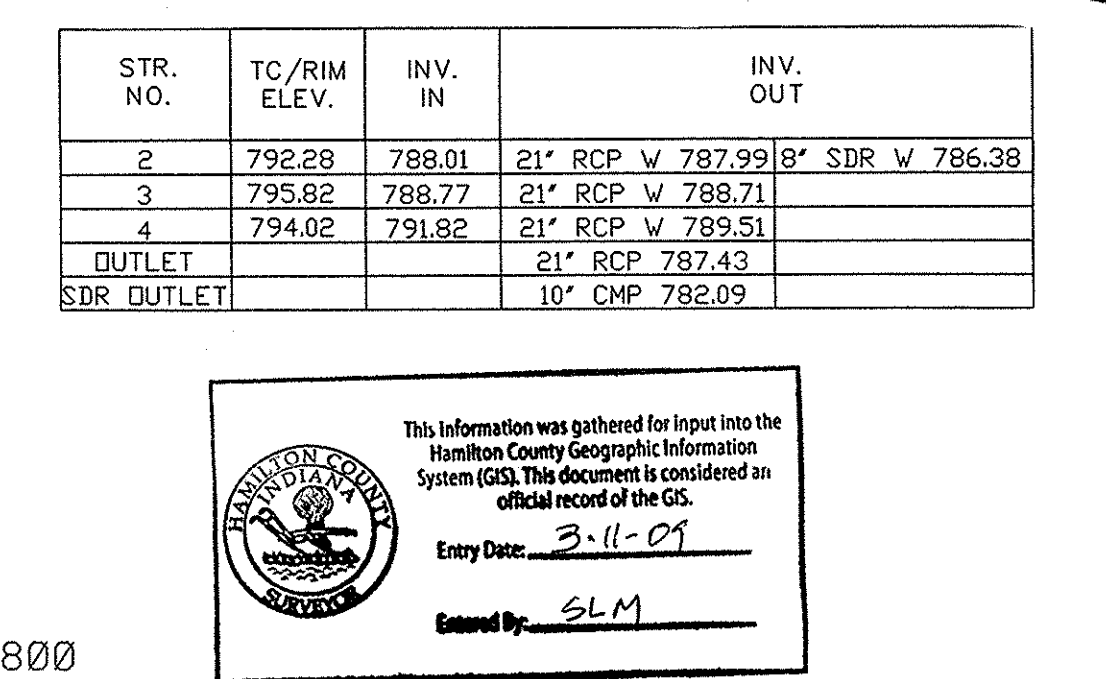
Sincerely,



Mary Garmon, Permit Inspector



STR. NO.	TC/RIM ELEV.	INV. IN	INV. OUT
2	792.28	788.01	21" RCP W 787.99 8" SDR W 786.38
3	795.82	788.77	21" RCP W 788.71
4	794.02	791.82	21" RCP W 789.51
OUTLET			21" RCP 787.43
SDR OUTLET			10" CMP 782.09



HAMILTON COUNTY, INDIANA

HAMILTON County Surveyor's Office
Hamilton County Government and
Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, IN 46060
(O) 776-9495
(F) 776-9628
surveyor@co.hamilton.in.us

Project No: _____
Watershed No: _____
Dgn Name: Cumberland Rd Ldg
Field By: RAE
Drawn By: RAE
Checked By: _____
Date: _____

By: JPP
Date: 3-15-07

By: JPP
Date: 3-22-07

By: JPP
Date: 5-21-07

By: JKM
Date: 9-21-07

Revisions:
New Profile & Route for Swale, RCP Pipe & SSD
Added Structure & 24' of 15" RCP
Added 15' Easement
Revised Str #2 & 4

CERTIFIED BY:
Christie Lynn Kallis
REGISTERED PROFESSIONAL ENGINEER
No. 19400388
STATE OF INDIANA

Project Name: Cumberland Arm of Sand Creek
Plan and Profile
PLOT DATE: 27-SEP-2007

SHEET NO.
1 of 5