

**Drain:** WASHINGTON TOWNSHIP      **Drain #:** 186  
**Improvement/Arm:** RECONSTRUCTION  
**Operator:** J. LIVINGSTON      **Date:** 9/1/04  
**Drain Classification:** Urban/Rural      **Year Installed:** 2003

### GIS Drain Input Checklist

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

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

Drain-Improvement: WASHINGTON TOWNSHIP

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
OPEN DITCH	—	7700'				

Sum: 7700' \$219,926<sup>00</sup>

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

Comments:

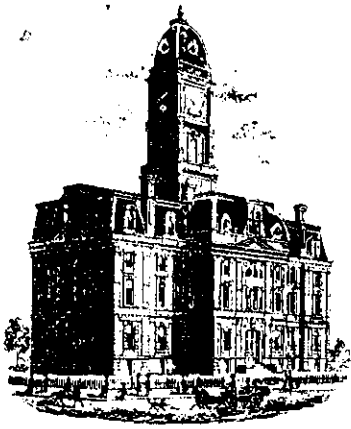
OPEN DITCH REPLACES ORIGINAL TILE DRAIN.

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\_\_\_\_\_

\_\_\_\_\_



SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square  
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

Date: August 11, 2003

Re: Washington Township Regulated Drain Reconstruction

Attached are plans, specifications, drain map, drainage-shed map, and schedule of assessments for the reconstruction of the Washington Township Drainage Area. The Washington Township Drain was originally petitioned for reconstruction on June 12, 1995. In January, 2003, the drain was petitioned for the advancement for reconstruction. The Washington Township Drain currently consists of open drain and tiled drain. The open drain is approximately 1200 feet and the tiled portion of the drain is approximately 6500 feet for a total length of 7,700 feet. The legal description calls for 6800 feet of total tile length. The new reconstructed ditch will be 7,500 feet in length. The legal description calls for 6800 feet of total tile length. The drainage area covers portion of Washington Township in Hamilton County and benefits properties in Township 19 North, Section 33 and 34, Range 3 East with a total acreage of approximately 607.05 acres.

The Washington Township Drain outlets into Little Eagle Creek which drains into Eagle Creek. There two portions of open drain that exist in Washington Township's current configuration. The most downstream landowner on parcel 08-05-33-00-00-014.000 converted approximately 400 foot of the outlet to open drain in the Spring of 1997. After 1100 foot of tiled drain upstream, there is another 800 foot of ditch which runs east-west on Parcel 08-05-33-00-00-009.000. This work was done in 1975 as a project by the SCS. There is currently a swale that runs north-south parallel to the east line of this parcel and the end of the ditch. The drain is tiled east of this parcel for the remainder of its course.

*Reconstruction Project:*

The reconstruction of Washington Township Drain will not include some relocation of the drain. The relocation will move the ditch south of the existing line at sta. 3+50 to sta. 15+60. The new alignment will be 1010 feet in length which will reduce the length of the ditch by 200 feet. At the outlet into Little Eagle Creek, rip rap will be placed for channel stabilization. Some clearing of trees will take place near the outlet. Cross-sections of the creek were surveyed 500 foot downstream and 1000 foot upstream of its confluence with the Washington Township Drain.

No work will be done in Little Eagle Creek since the slope of the channel profile does not require dredging nor was dredging needed in order to improve gradient for the Washington Township Drain. The fall between the confluence of the creek and drain at 640 feet downstream is 1.7 foot (or 0.26% slope).

The fall from Sta. 77+00 to the outlet of the creek changes from elevation 922.02 to 890.20 with an average slope of 0.4%. The first 4100 foot of ditch will have a slope of 0.4%. From Sta. 41+00 to Sta. 57+00, the slope will be at 0.33%. From Sta. 57+00 to 77+00, the project will finish up with a slope of 0.5%.

As for the width of the new ditch, several HEC-RAS profiles were run to determine what bottom width would work best for this project. From Sta. 77+00 to 46+00, a 4' bottom width will be used. From Sta. 46+00 to 0+00, it was determined that a 10 foot bottom width is required. The 10-year storm profile for this model keeps the water in the ditch's banks. The hydraulic data obtained from FEMA floodway information, used for this model included:

Watershed	= 600 acres
Washington Twp Q <sub>10</sub>	= 600 cfs
Little Eagle Cr. Q <sub>10</sub>	= 1300 cfs
Total Q <sub>10</sub>	= 1900 cfs
Q <sub>10</sub> WSP Elev.	= 897.5 MSL

It was determined that isolated flooding occurs south of SR 32 in the watershed on parcels owned Michael V. Curley and INDOT's Westfield Unit. To help alleviate this problem, a new arm will need to be constructed. The engineer's recommendation is a new 5' bottom ditch to be constructed parallel to the North R.O.W. of SR 32 and continue east and run parallel to a line that divides parcels 08-05-34-00-00-022.001 and 08-05-34-00-00-023.002 (Billy G. Casey). At this time, it is recommended to have the INDOT build these improvements as part of the future development of SR 32.

The following is an approximate description of the Washington Township Drain derived from the description of 1876, Commissioners Record P, page 113.

Beginning at approximately 1320' West and 1000' North of the SE corner of Section 23, Township 19 North, Range 3 East. Running then in a Westerly direction to a point on Casey Road 1000' North of Indiana State Road 32. Continuing in a Westerly direction to a point 1320' North of the SW corner of Section 34 where drain becomes an open ditch, then west 1000' where ditch enters tile. Thence Northwest to a point 1900' North and 800' East of the SW corner SE ¼ 33-19-3, then Southwest where it enters Little Eagle Creek approximately 1650' North and 200' East of above mentioned corner.

It is believed the ditch to be approximately 6,800' in length.

The project shall include 3 pipe crossings for landowners who will have a portion of their property, not abutting a public road, landlocked by the construction of the open ditch. The following tracts shall have crossings installed as part of the project:

08-05-34-00-00-021.001	Westfield Golf Practice Center LLC
08-05-34-00-00-023.002	Casey, Billy Gene
08-05-33-00-00-007.001	Casey, Kenneth Wayne & Betty Lou

The maintenance of the crossings shall be the responsibility of the landowner per IC 36-9-27-72(d).

**QUANTITIES**

Clearing as specified - Open Ditch	2.0 acres
Open Ditch Reconstruction	7700 lineal feet
Tile outlet pipes with animal guard	
a. 6" x 20'	5 each
b. 8" x 20'	5 each
c. 10" x 20'	5 each
d. 12" x 20'	5 each
e. 15" x 20'	5 each
Armor Ditch Corners	7 each
Install Pipe Crossings 24" x 30 ft.	3 each
Install Surface Water Pipe 12" x 40 ft.	7 each
Seeding, Fertilizing, and Mulching as specified	
a. Open Ditch - Channel only -25' x 6,900'	4.0 acres
b. Filter Strip - 20' x 13,000'	6.0 acres
c. Waterway - 10' x 6,900'	1.6 acres

The allowable runoff rates for the drainage basin will be based upon the 10 year, 24-hour storm event. The rate of 0.34 cfs/acre will be set for the area within the drainage basin for future development.

The construction of this drain will require acquisition of new easement from Sta. 0+00 to Sta. 3+50 and Sta. 15+60 to Sta. 44+67 on the tracts listed below. The easement acquisition will vary from 18-25 feet from each side of the existing easement of the tiled portions of the drain. From Sta. 44+67 to the end of the project, no easement acquisition will be required since the spoils of the project will not require the additional property. From Sta. 3+50 to Sta. 15+60 on tract 08-05-33-00-00-014.000 owned by Jack L. & Nancy L. Beery, the ditch will be moved south and will reduce the length of the ditch by 200 feet. The new easement will reflect the 75 foot easement from the top of the bank with top widths ranging from 18-25 feet. At the July 28, 2003 Drainage Board meeting, Mr. Beery agreed to provide the easement at no cost.

Those tracts on which additional easement will be required are as follows:

<u>Name</u>	<u>Parcel #</u>
Beery, Jack L. & Nancy Jo	08-05-33-00-00-014.000
Wood, Mildred Trustee	08-05-33-00-00-009.000
Casey, Kenneth & Betty Lou	08-05-33-00-00-007.001
Casey, Kenneth W. & Betty Lou	08-05-34-00-00-023.000

Wilfong Land Companies, LLC  
Casey, Kenneth W. & Betty Lou

08-05-34-00-00-024.000  
08-05-34-00-00-025.002

**COST ESTIMATE**

The cost estimate for this work shall be as follows:

Open ditch reconstruction – 7,700' @ \$10.00 per foot	\$ 77,000.00
Clearing 2.0 acres @ \$4,000.00 per acre	\$8,000.00
Tile outlet pipes with animal guard installed:	
a. 5 - 6" x 20' CMP @ \$10.00 /foot	\$ 1,000.00
b. 5 - 8" x 20" CMP @ \$15.00 /foot	\$ 1,500.00
c. 5 - 10" x 20" CMP @ \$16.00 /foot	\$ 1,600.00
d. 5 - 12" x 20' CMP @ \$18.00 /foot	\$ 1,800.00
e. 5 - 15" x 20' CMP @ \$20.00 /foot	\$ 2,000.00
Armor Ditch Corners(includes Reno Mattress) - 7 @ \$1,500.00	\$10,500.00
Install and Maintain Silt Basins - 5 @ \$500.00	\$2,500.00
Install Rock Chute & Rip Rap- Lump Sum	\$2,400.00
Seeding channel according to specifications 5.6 acres @\$1200.00 per acre	\$6,720.00
Seeding 20 ft filter strip – 8,400 lineal feet 3.9 acres @ \$1000.00 per acre	\$3,900.00
Install Pipe Crossings 36" x 40 ft. 3 @ 40 ft @ \$ 52.00 per ft.	\$6,240.00
Install Surface Water Pipes 12" x 40 ft. 14 @ 40 ft @ \$ 18.00 per ft.	\$10,080.00
** Install 10'x6' Concrete Box Culvert across Casey Road	\$ 56,000.00
Sub Total	\$191,240.00
+ 15% contingencies	\$28,686.00
<hr/> Total	<hr/> \$219,926.00

\*\* The cost of the new structure under Casey Road shall be assessed to the Hamilton County Highway Department as per IC 36-9-27-71.

Not shown on the plans, but shall be considered as part of the reconstruction plans is the placement of twenty foot ( 20' ) filter strips along both sides of the drain.

Upon a check of the U.S.G.S. Quadrangle Map I found that from the outlet at station 77+00 to the confluence with Little Eagle Creek the length of drain is approximately 1.46 miles. Therefore per IC 14-28-1-22 a permit from IDNR is not required.

I have reviewed the drainage shed for the Washington Township Drain and upon considering each parcel individually; I believe that each parcel within the drainage shed will have equal benefits by land use as provided by the drain. Therefore I recommend each tract be assessed on the same basis equally by land use. Therefore for Highways and Roads, I recommend a reconstruction assessment of \$3,486.00 per acre based on its 76% impervious area and lack of detention. For commercial (including industrial and multi-family) tracts, developed, I recommend a reconstruction assessment of \$1,250.00 per acre based on its 27% impervious area and some detention. For commercial (including industrial and multi-family) tracts, undeveloped, I recommend a reconstruction assessment of \$625.00 per acre. For Residential and Agricultural tracts, I recommend a reconstruction assessment of \$123.90 per acre.

The drain was placed on maintenance by the Drainage Board on May 14, 1984. The existing maintenance cost for this drain is \$2.00 per acre with a \$6.00 minimum. The balance of funds is \$4,669.04 with an annual assessment of \$1,313.12.

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

1. Maintenance assessment for roads and street \$75.00 per acre.
2. Maintenance assessment for agricultural tracts to be set at \$2.00 per acre-\$10.00 minimum.
3. Maintenance assessment for non-platted residential tracts and undeveloped commercial tracts to be set at \$2.00 per acre with a \$10.00 minimum.
4. Maintenance assessment for commercial, institutional and multi-family residential tracts to be set at \$75.00 per acre with a \$75.00 minimum.
5. Maintenance assessment for platted lots in subdivisions whose drainage systems will not be a part of the regulated drain (those systems maintained by the Town of Westfield) shall be set at \$25.00 per lot - \$25.00 minimum. Common areas within subdivisions whose drainage systems will not be part of the regulated drain (those systems maintained by the Town of Westfield) shall be set at \$5.00 per acre with a \$25.00 minimum.
6. Maintenance assessment for platted lots within a subdivision whose drainage system will be a part of the regulated drain shall be set at \$45.00 per lot - \$45.00 minimum. Common Areas within regulated drain subdivisions shall be set at \$10.00 per acre with a \$45.00 minimum.

The following tracts should be assessed as commercial, developed:

Property Owner	Parcel #	Acres Benefitted
Glidden, W T	08-05-34-00-00-014.000	1.00
Glidden, W T0.	08-05-34-00-00-015.000	0.50
JCR Investments	08-05-34-00-00-017.000	8.00
C, Prine Realty L L	08-05-34-00-00-020.000	1.51
RDN Partners	08-05-34-00-00-020.001	0.99
RDN Partners	08-05-34-00-00-020.101	1.16
Westfield Golf Practice Center LLC	08-05-34-00-00-021.001	*5.00
R L Wilfong Land Corp.	08-05-34-00-00-024.000	*1.30
Pettijohn Investments LLC	08-09-03-00-00-004.000	5.00
Lawson, Harold	08-09-03-00-00-005.000	5.00
Curley, Michael V.	08-09-03-00-00-006.000	6.00
State of Indiana	08-09-03-00-00-007.000	5.28
R L Wilfong Land Corp.	08-09-03-00-00-008.001	3.00
C, Prine Realty L L	08-09-03-00-00-009.000	0.30
	<b>Total Commercial Acres, Developed</b>	44.04

\* Special assessment on part of the tract due to use.

A special assessment has been made for the two tracts listed above due to their impervious conditions that exist on site. Also, these properties are currently being used for business. The tract below is currently an investment property. It's current use is not developed but is defined as commercial tract by the town of Westfield.

The following tract should be assessed as commercial, undeveloped:

Property Owner	Parcel #	Acres Benefitted
Pettijohn Investments LLC	08-09-03-00-00-003.000	22.50
	<b>Total Commercial Acres, Undeveloped</b>	22.50

The annual maintenance collection will be \$4,770.00.

Parcels assessed for this drain will also be assessed for the Little Eagle Creek Drain at sometime in the future.

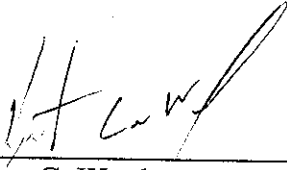
The area in which the drainage shed for this drain is located is in the process of urban growth. The Town of Westfield is expanding westward towards this area and will encompass portions of



the drainage shed in the near future. Various tracts listed above have already been converted to an urban use. Therefore, per IC 36-9-27-67, I recommend the Board designate the drain as an urban drain.

I believe that no damages will result to landowners by the reconstruction of this drain. Therefore, damages for all tracts shall be set at \$0.00.

I recommend that the Board set a hearing for this reconstruction for September 22, 2003.



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Kenton C. Ward,  
Hamilton County Surveyor

KCW/jh

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE  
*Washington Township Drain, Reconstruction*

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment has issued an order adopting the Schedule of Assessments and Reconstruction Report, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

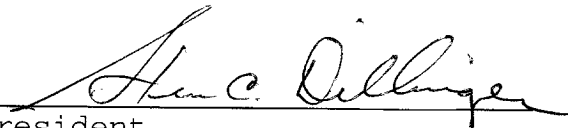
ONE TIME ONLY


FINDINGS AND ORDER  
CONCERNING THE MAINTENANCE OF THE  
Washington Township Drain

On this *22nd day of September, 2003*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Washington Township Drain*.

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  
*Washington Township Drain*

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Washington Township Drain* came before the Hamilton County Drainage Board for hearing on *September 22, 2003* 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.

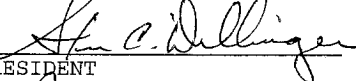
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included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

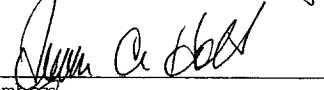
The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the *Washington Township Drain* 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

KCW



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

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 5, 2005

Re: Washington Township Regulated Drain Reconstruction  
Final Inspection Report

**FINAL REPORT**

Please regard this letter as the inspector's final report on the Washington Township Regulated Drain Reconstruction, located in Sections 33 & 34, Township 19 North, Range 3 East, Washington Township in Hamilton County, Indiana.

The Date of the Surveyor's Report for the Washington Township Drain Reconstruction was July 28, 2003. The Reconstruction Hearing was held on September 22, 2003. (Drainage Board Minutes Book 7, Page 113).

The Hamilton County Drainage Board awarded the contract on February 9, 2004 to Van Horn Excavating. Van Horn Excavating bid amount was \$187,582.00 (Drainage Board Minute Book 7, Page 336).

The contractor provided a surety bond to the Board in the amount of \$187,582.00. The bond provider is Western Surety Company and the bond number is 69712058 dated My 11, 2004.

As of December 13, 2004, I hereby attest to and agree that the reconstruction was installed according to the specified plans and change orders and have approved such work under IC 36-9-27-82(a). All inspections have been completed. Final inspection was on August 12, 2004 for the majority of the work. The delay between the final inspection date and the December date was due to the additional length of pipe for the Casey Road Crossing required by the highway department after construction.

Statement of All Incurred Expenses Paid signed by the contractor as required in IC 36-9-27-82(b) was received on October 8, 2004. The contractors claim for release of retainage was submitted on December 8, 2004.

Partial Pay Requests for this project submitted and paid as allowed in IC 36-9-27-81 are as follows:

Pay Request #1 submitted 4-22-04	Claim # 04-058	Paid 5-11-04	\$30,636.63
Pay Request #2 submitted 5-14-04	Claim # 04-077	Paid 6-15-04	\$38,256.80
Pay Request #3 submitted 6-7-04	Claim # 04-095	Paid 6-29-04	\$35,083.24
Pay Request #4 submitted 7-7-04	Claim # 04-161	Paid 7-27-04	\$38,977.77
Pay Request #5 submitted 7-23-04	Claim # 04-203	Paid 8-10-04	\$22,441.36
Pay Request #6 submitted 8-12-04	Claim # 04-213	Paid 9-14-04	\$16,624.89
Pay Request #7 submitted 11-30-04	Claim # 04-283	Paid 12-28-04	\$4,133.94
Retainage Request submitted 12-8-04	Claim # 04-284	Paid 12-28-04	<u>\$31,020.21</u>
Total – Van Horn Excavating			\$217,174.84
CPI materials for Casey Road extension. Claim #04-285 Paid 12-28-04			<u>\$2,695.55</u>
Reconstruction Total			\$219,870.39

The reconstruction converted an underground tile system to open ditch. The reconstructed drain consists of 7,331 feet of open ditch, 42 outlet pipes 15 surface water pipes, 7 private crossings and a new road crossing at Casey Road. The as-built plans have been completed and are attached.

There were a total of two change orders for additional work or field revisions on the project as allowed by IC 36-9-27-80.5. Change Order #1 was approved by the Hamilton County Commissioners and at their direction it was to be billed to the Hamilton County Highway Department per IC 36-9-27-71, this directive was entered into the Drainage Board minutes December 13, 2004. Change Order #2 was approved by the Hamilton County Drainage Board November 8, 2004. (Drainage Board Minutes Book 8, pages 52-53).

The change order details are as follows:

#### **Change Order #1**

128" x 83" x 10' extension for Casey Road Crossing. This extension eliminated the need for guardrail to be installed along Casey Road. At the direction of the Hamilton County Commissioners the Hamilton County Highway is to reimburse for the cost of Change Order #1.

128" x 83" x 10' Galv. 10 ga. pipe	\$2073.50
128" x 83" x 2' Galv. coupling band	\$622.05
12 hours Case 9050B Excavator @ \$140.00 per hour	\$1,680.00
24 hours Labor @ \$25.00 per hour	\$600.00
9 hours Case 580I Backhoe @ \$75.00 per hour	\$675.00
80 Lin. Ft. 12.5' Geotextile @ \$1.50 per Lin. Ft.	\$120.00
21.16 ton Rip-Rap @ \$14.00 per ton	<u>\$308.94</u>
Change Order #1 Total	\$6,079.49

**Change Order #2**

Additional clearing for ditch realignment	Lump Sum	\$400.00
Outlet pipes	6 " x 20' CMP - 19 each @ \$246.20	\$4677.80
Outlet pipes	8 " x 20' CMP - 1 each @ \$276.20	\$276.20

Sandy soil types encountered on the open ditch required additional armament along the lower 1/3 of the flowline.

Rip-Rap	148.5 yards @ \$13.00 per yard	\$1930.50
Excavator	25 hours @ \$140.00 per hour	\$3,500.00
Labor	48 hours @ \$25.00 per hour	\$1,200.00
Filter Fabric and stakes	942 feet @ \$1.75 per hour	\$1,648.50

Additional Rock Chute Lump sum per bid \$2,216.00

Additional Farm Crossing	18 " x 20' CMP - installed	\$430.00
Additional Farm Crossing	72 " x 50' CMP - installed @ \$4,813.75 each	\$9,627.50
Additional Farm Crossing	48 " x 40' CMP - installed	\$2,675.00

Addition surface water pipe lump sum per bid \$800.00  
SR 32 traffic control signs lump sum \$390.00

Change Order #2 Total \$29,771.50

The final costs for the reconstruction are as follows:

Bid Item Totals	\$184,019.40
Change Order # 1	\$6,079.49
Change Order # 2	<u>\$29,771.50</u>
Total Reconstruction Cost	\$219,870.39

Reconstruction Estimate	\$219,953.55
Total Reconstruction Cost	<u>\$219,870.39</u>
Unexpended Reconstruction Funds	\$55.61

I recommend the Board approve the reconstruction as complete and acceptable. I also recommend that the Board release the surety provided by the contractor per IC 36-9-27-78

Respectfully,



Andrew Conover

Inspector

Hamilton County Surveyor's Office

**From:** Robin Mills  
**To:** Janet Hansen; Kimberly Good  
**Date:** 1/11/05 11:48AM  
**Subject:** Re: R0186 Reconstruction

Thanks!

Mills

>>> Kimberly Good 01/11/05 11:47AM >>>  
yes

>>> Robin Mills 01/11/05 11:44AM >>>  
Ladies:

Were you able to take care of this issue?

Mills

>>> Janet Hansen 01/10/05 12:09PM >>>

The Hamilton County Highway sent us a check in the amount of \$26,279.49. I had sent them two bills for extra work that was done on top of the regular reconstruction. They should have sent a check \$6,079.49 to pay for work done on Casey Road that wasn't part of the Reconstruction Hearing. Instead they included an extra \$20,200.00 that should be part of their reconstruction assessment. The assessment started in 2004. Their total assessment was \$67,399.22 and they only paid one installment according to what is posted on MVP.

The entire \$26,279.49 needs to go to 352, but how can we get \$20,200 of it to be posted as part of their reconstruction assessment. Sheri Pharris is holding the check.

**CC:** Kenton Ward; Sheri Pharris



**From:** Janet Hansen  
**To:** Kenton Ward  
**Date:** 1/7/05 12:30PM  
**Subject:** Highway Check

The Highway cut a check for work done on Casey Rd. It was for:

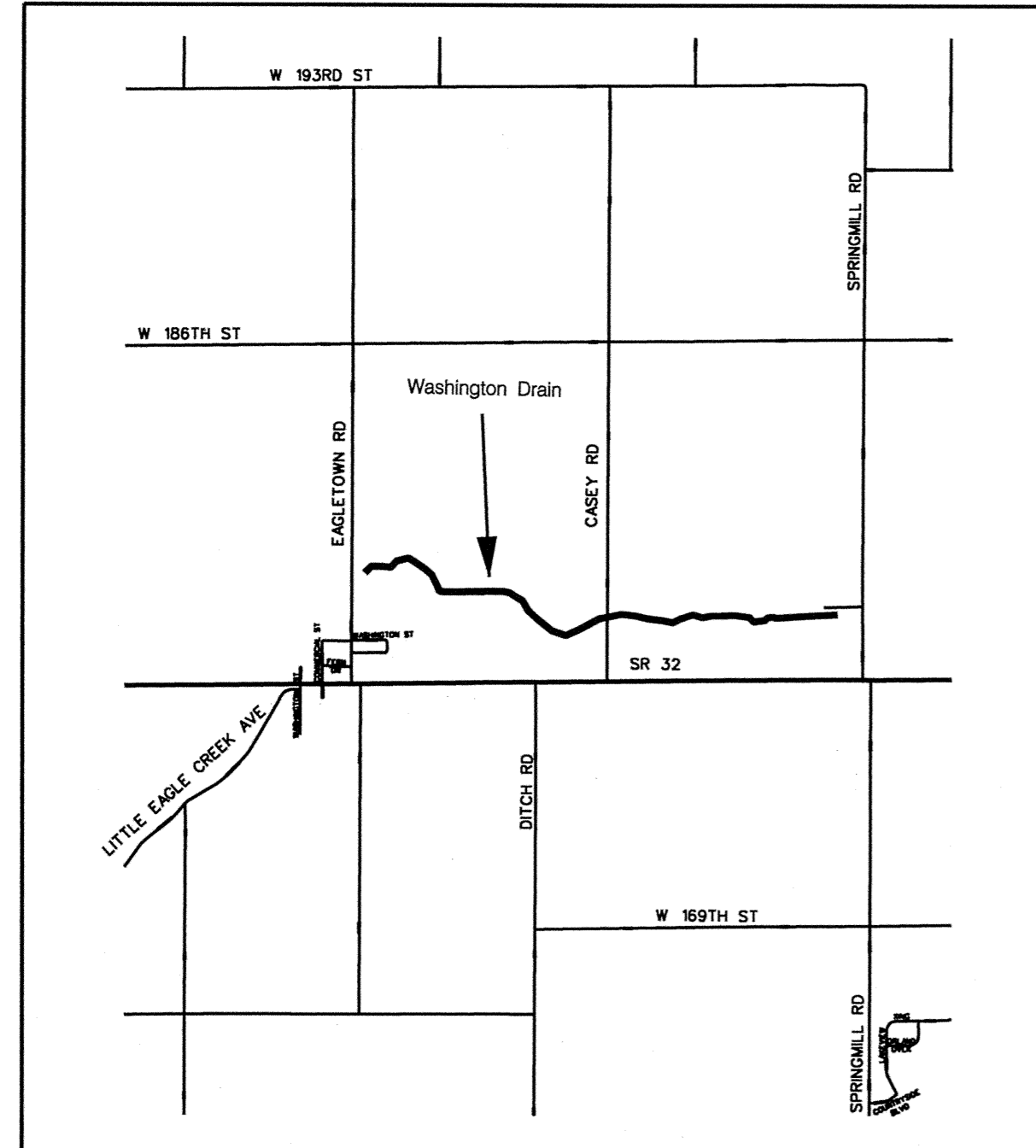
\$2,696.55 - For the claim we paid to CPI.

\$3,383.94 - For the claim we paid to VanHorn. AND

\$20,200.00 - I don't know. - APPLIED TO ASSESSMENT

Do you know what the \$20,200.00 was for?

# HAMILTON COUNTY SURVEYOR'S OFFICE



SITE LOCATION MAP



HAMILTON COUNTY SURVEYOR'S OFFICE

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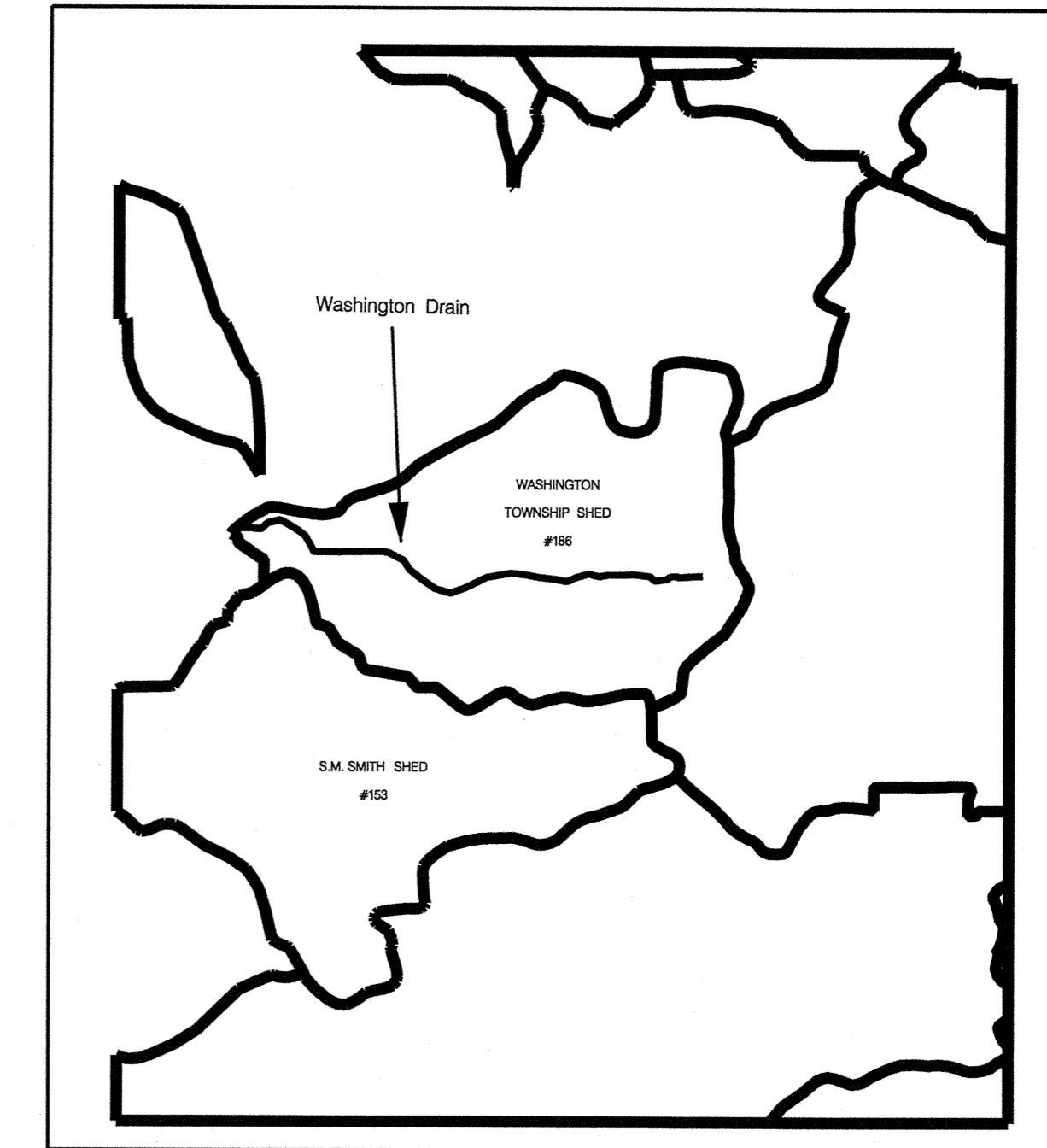
KENTON C. WARD, COUNTY SURVEYOR

---

HAMILTON COUNTY DRAINAGE BOARD

---

CHRISTINE ALTMAN, PRESIDENT  
STEVEN A. HOLT, MEMBER  
STEVEN C. DILLINGER, MEMBER

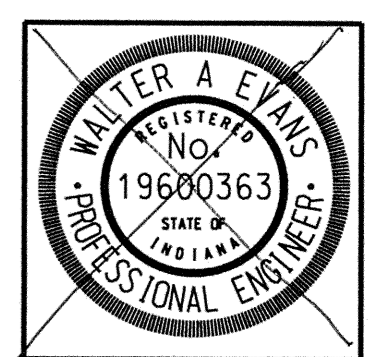
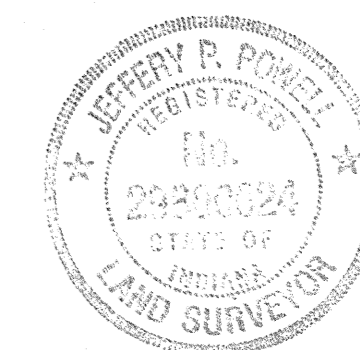


WATERSHED AREA

## WASHINGTON DRAIN AS-BUILT

INDEX	
SHEET NO.	Description
1-5	Plan Sheet
6-8	Cross Sections

This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
Entry Date: 6-15-07  
Entered By: SLM



Certified By:  
*Walter A. Evans*  
Walter A. Evans P.E.

Operating Authorities	
Sanitary	Hamilton Co. Highway Dept. 1700 S. 10th Street Noblesville, Indiana 46060 (317) 773-7770
Cable	Gas
Water	Communication
Pipeline	Electrical

HAMILTON COUNTY, INDIANA  
Hamilton County Surveyor's Office  
Hamilton County Government and  
Judicial Center  
One Hamilton County Square, Suite 188  
Noblesville, IN 46060  
(317) 773-8445  
(317) 778-9628  
surveyor@co.hamilton.in.us



Project No:	Watershed No:
By: J.P.	Dgn Name: Washington.dgn
Date: 2-6-07	Field By:
Revisions:	Drawn By: RAE
Fixed Pipe Elevations	Checked By:
	Date:

Project Name: Washington As-Built  
Title Sheet

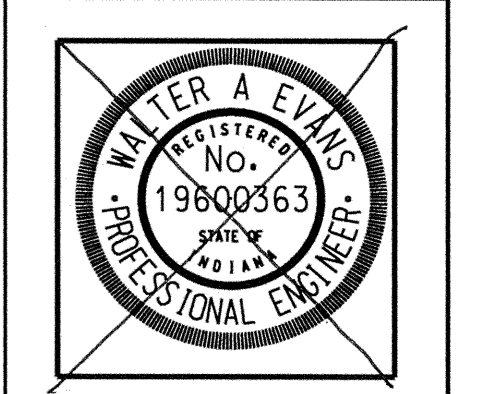
PLOT DATE: \$\$\$\$\$\$DATE\$\$\$\$\$\$



Project No:	Watershed No:
By:	Dgn Name:
Date:	Field By:
Revisions:	Drawn By:
Fixed Pipe Elevations	Checked By:
	Date:

By:	J.P.
Date:	2-6-07

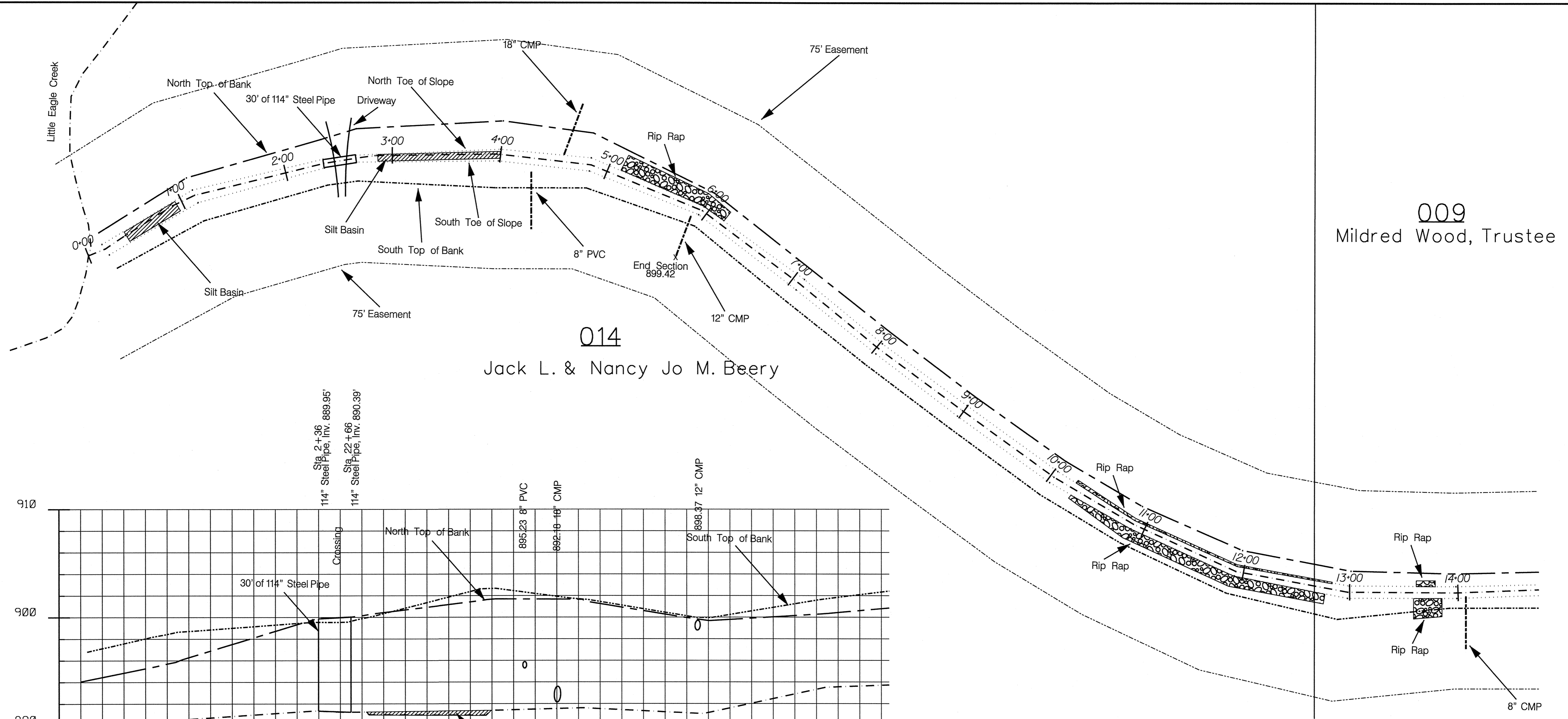
Revisions:	Fixed Pipe Elevations
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Certified By:  
 [Signature]  
 Walter A. Evans P.E.

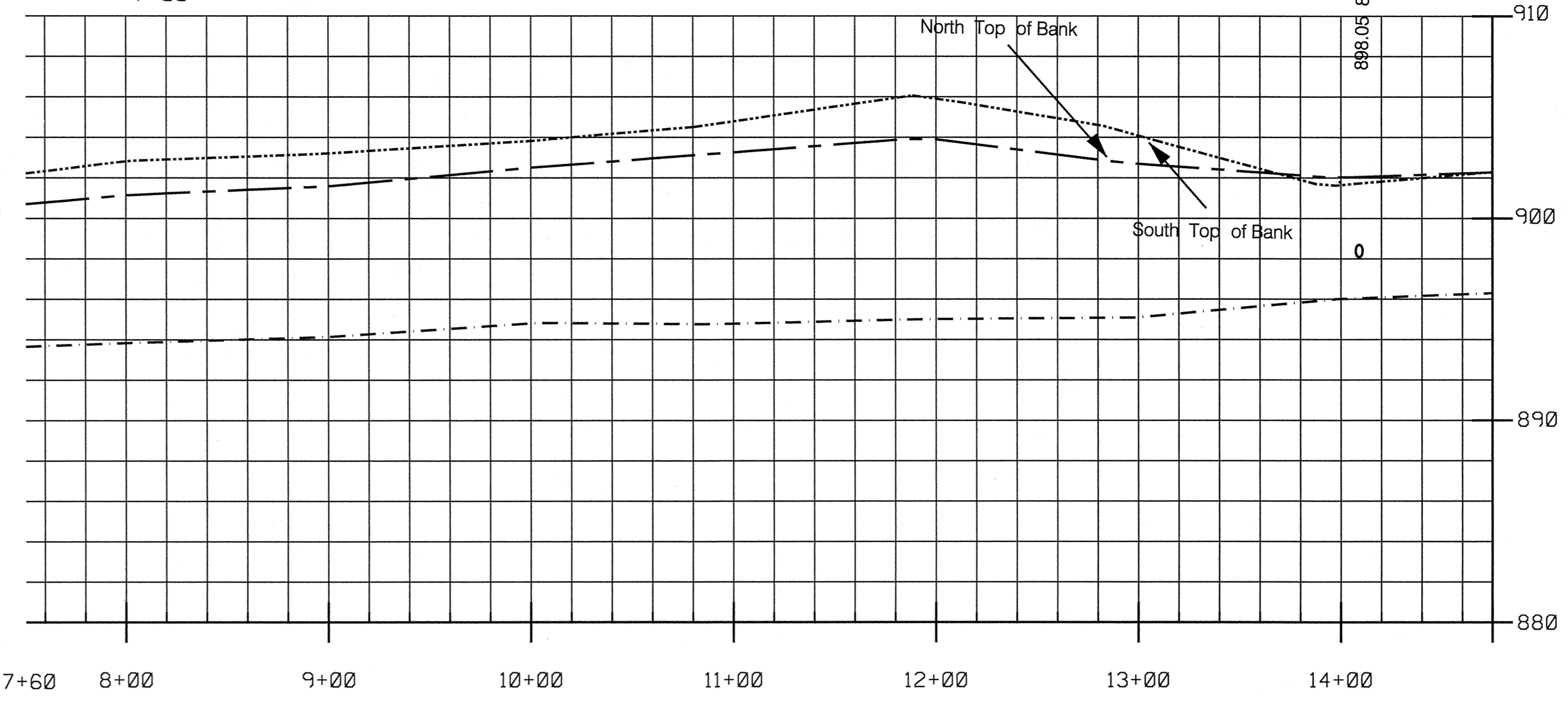
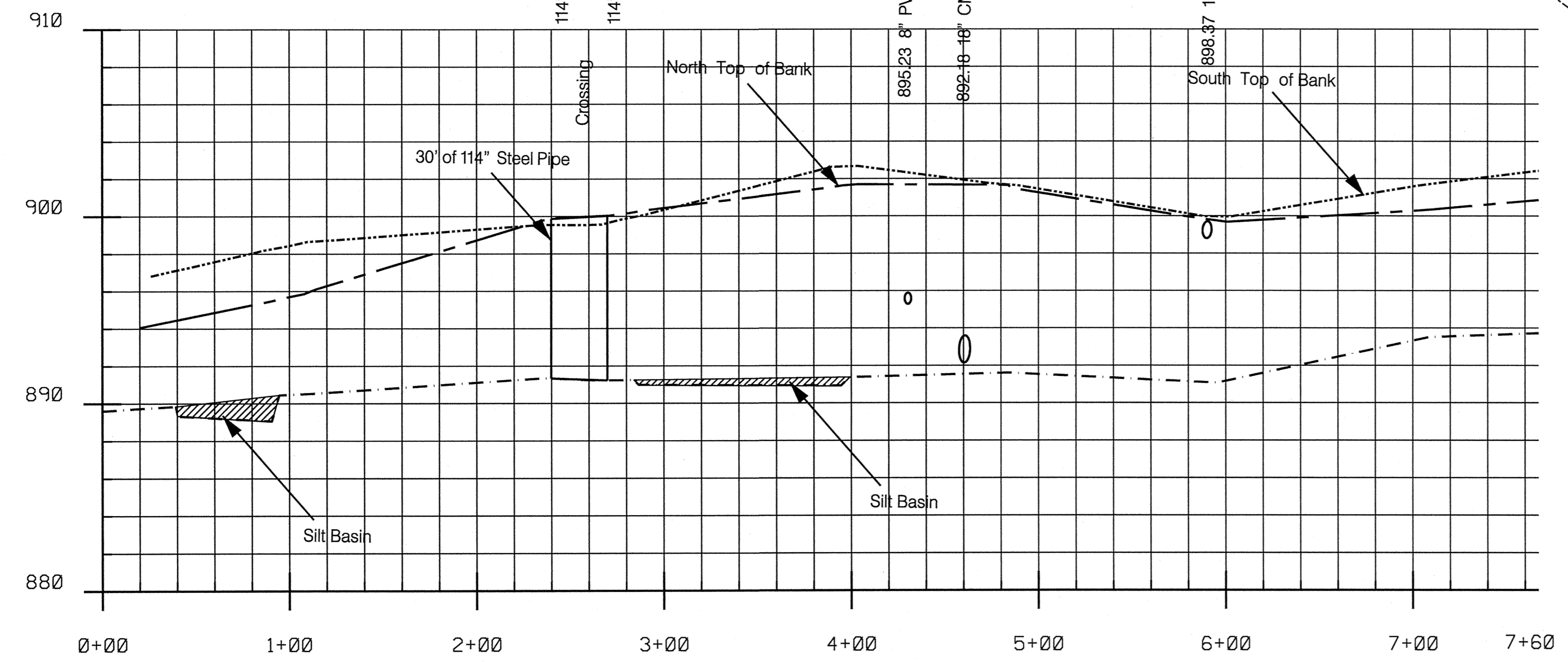
Project Name:  
 Washington As-Built  
 Overall Plan Sheet

SHEET NO.  
 1 of 8



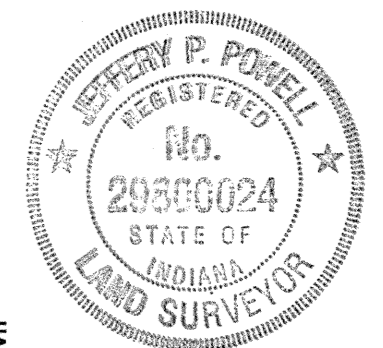
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 Jack L. & Nancy Jo M. Beery

**009**  
 Mildred Wood, Trustee



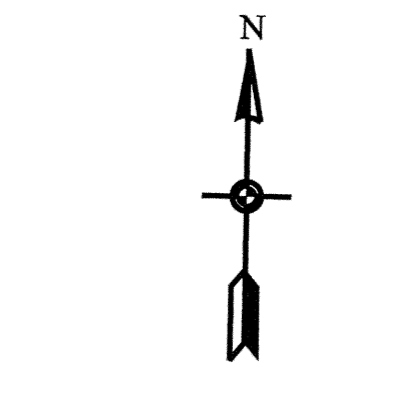
N  
 PLAN VIEW  
 SCALE 1" = 50'  
 PROFILE VIEW  
 HORIZONTAL SCALE 1" = 50'  
 VERTICAL SCALE 1" = 5'

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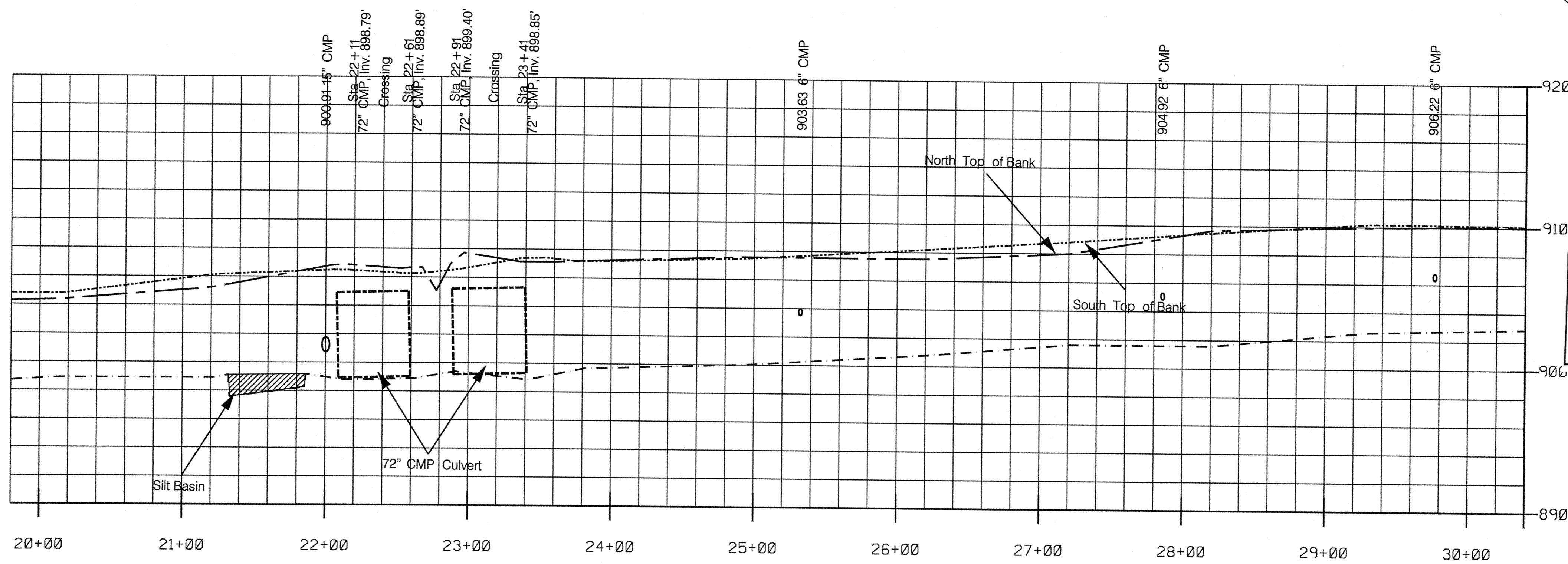
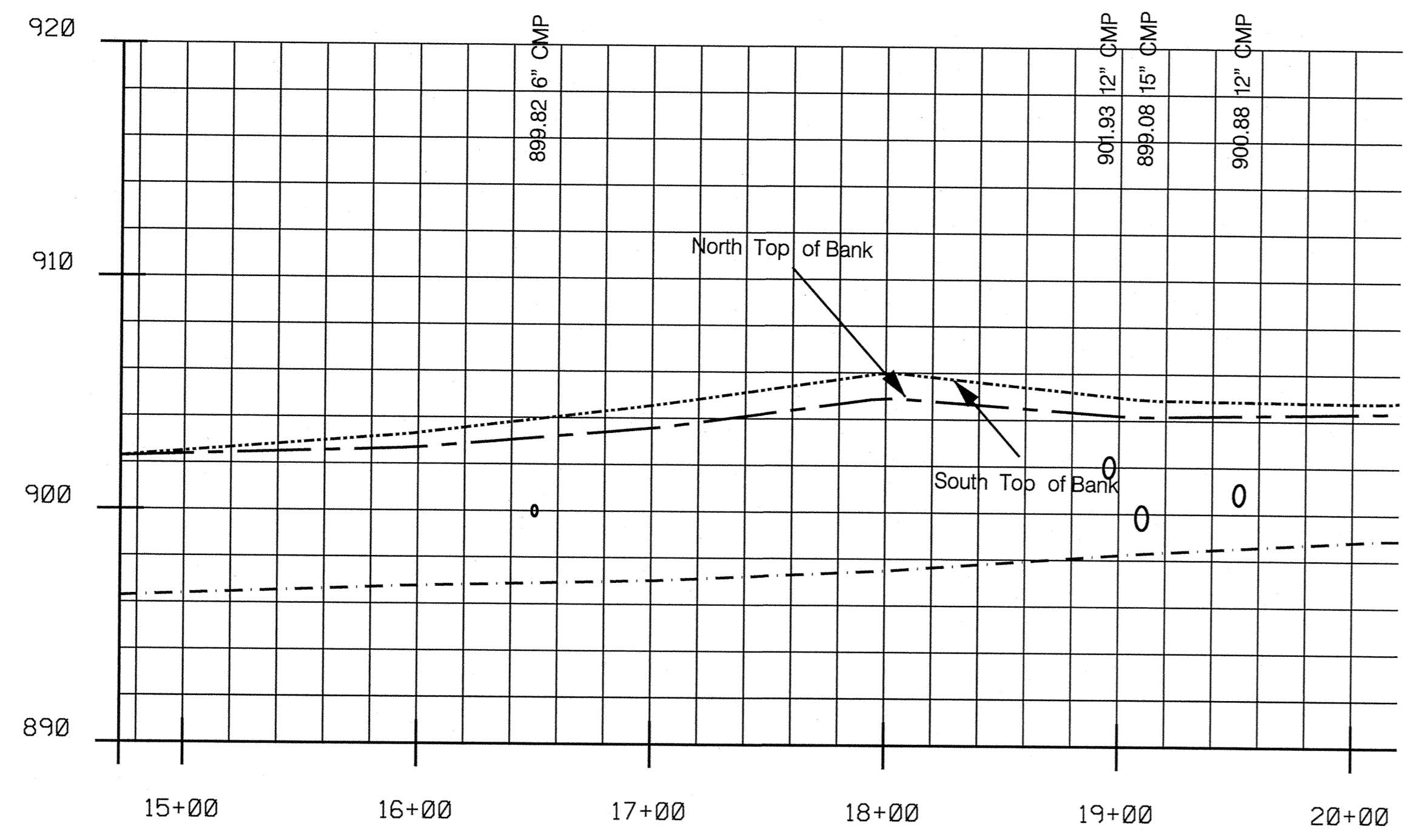
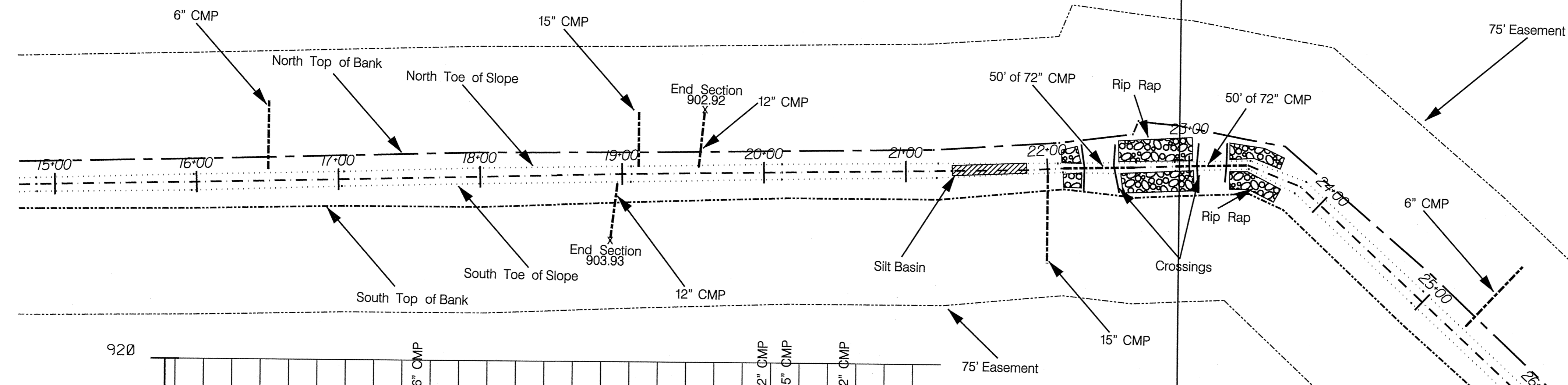
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Mildred Wood, Trustee

007.001  
Kenneth W & Betty Lou Casey



PLAN VIEW  
SCALE 1" = 50'

PROFILE VIEW  
HORIZONTAL SCALE 1" = 50'  
VERTICAL SCALE 1" = 5'



025.002  
Kenneth W & Betty Lou Casey

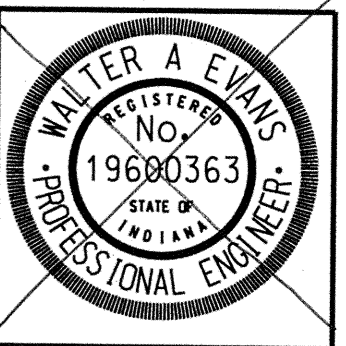
008  
Wilfong Land Companies LLC

024  
Wilfong Land Companies LLC

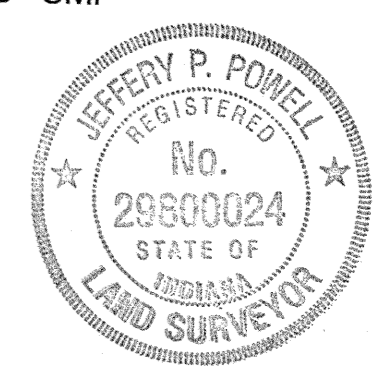
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Hamilton County Surveyor's Office  
Hamilton County Government and  
Judicial Center  
One Hamilton County Square, Suite 188  
Noblesville, IN 46060  
(O) 776-8485  
(F) 776-9858  
surveyor@co.hamilton.in.us



Project No:	Watershed No:
By: J.P.	Dgn Name: Washington_asbuilt
Date: 2-6-07	Field By: RAE
Revisions:	Drawn By: RAE
Fixed Pipe Elevations	Checked By:
	Date:



Certified By:  
*Walter A. Evans*  
Walter A. Evans P.E.



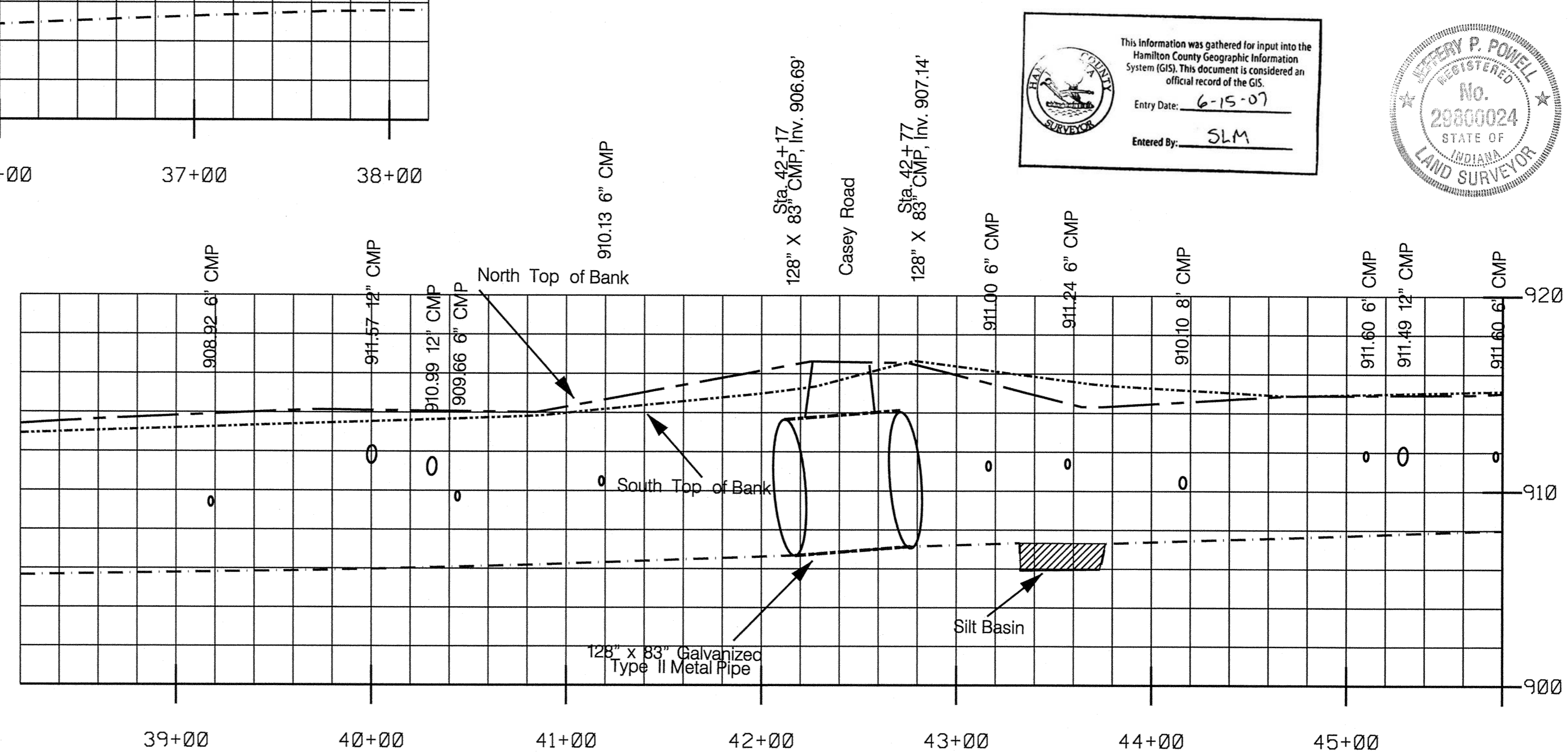
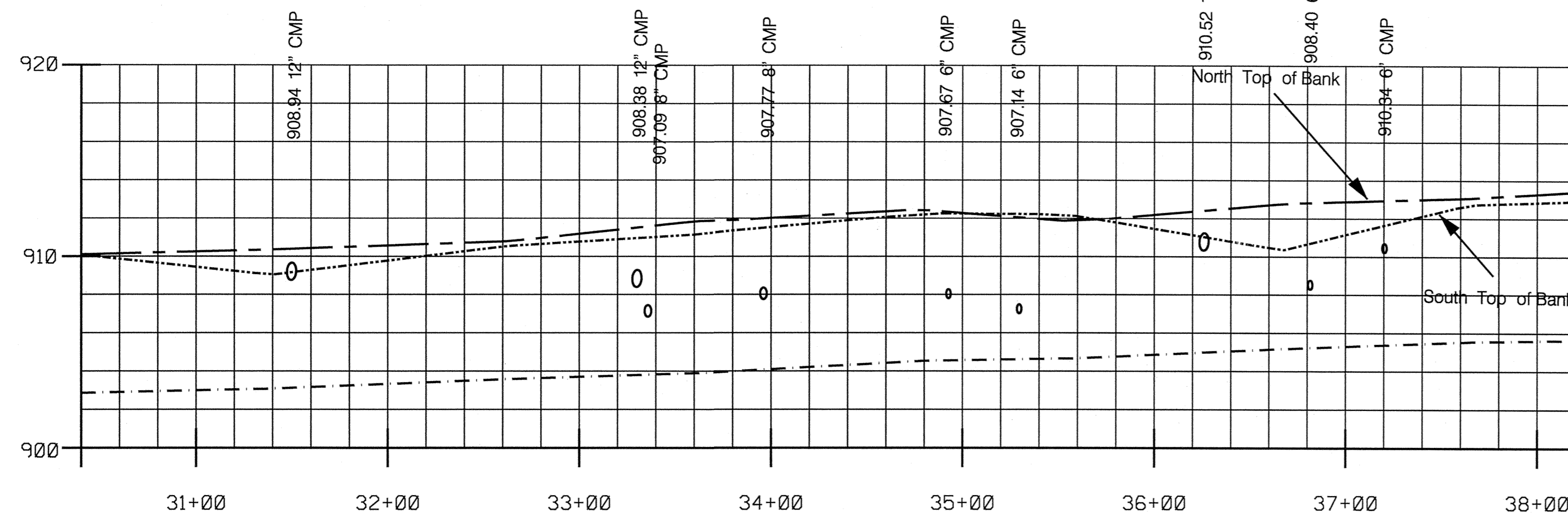
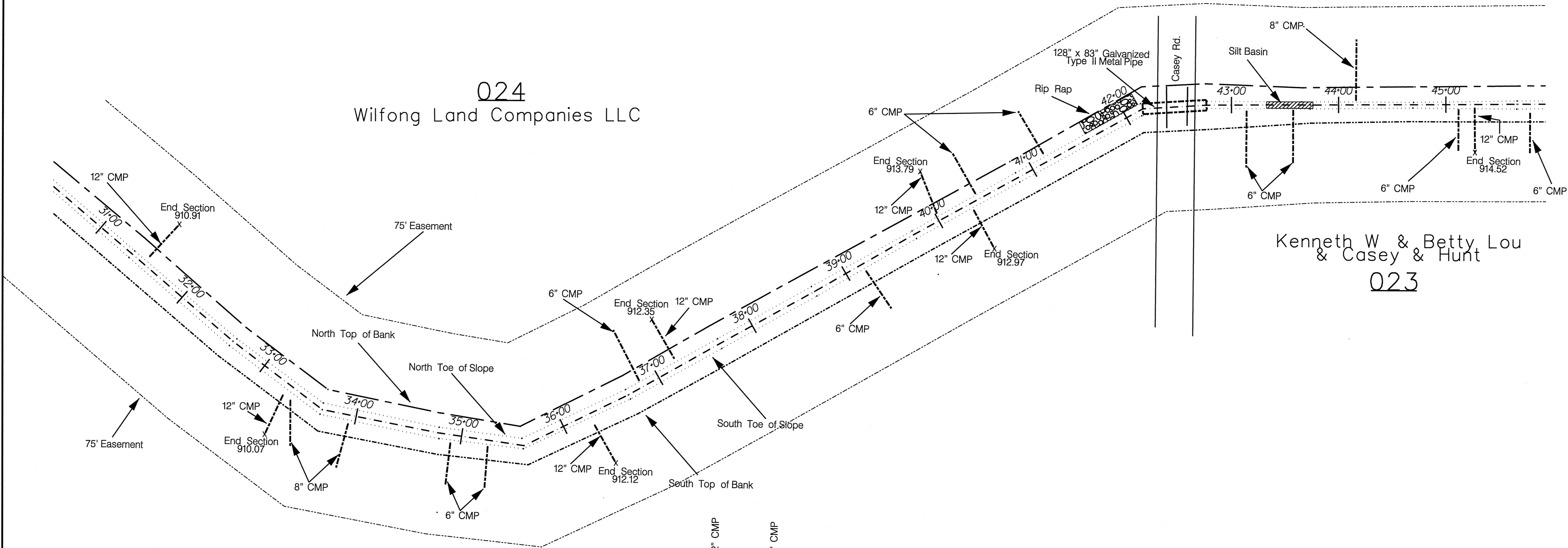
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Entry Date: 6-15-07  
Entered By: SLM

Project Name:  
Washington As-Built  
Overall Plan Sheet

SHEET NO.  
2 of 8

024  
Wilfong Land Companies LLC

Kenneth W & Betty Lou  
& Casey & Hunt  
023



PLAN VIEW

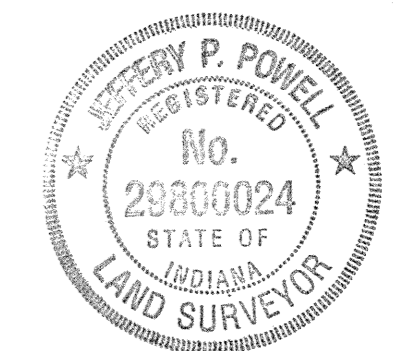
SCALE 1" = 50'

PROFILE VIEW

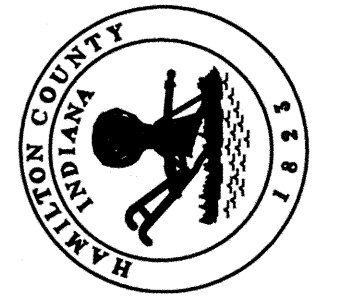
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VERTICAL SCALE 1" = 5'

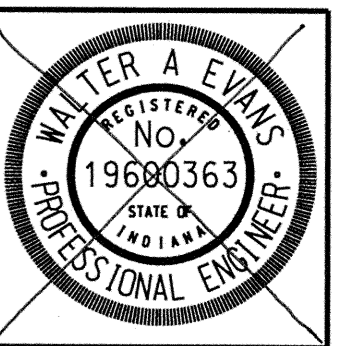
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Entry Date: 6-15-07  
Entered By: SLM



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One Hamilton County Square, Suite 188  
Noblesville, IN 46060  
(317) 776-9828  
surveyor@co.hamilton.in.us



Project No:	Watershed No:
By:	J.P.
Date:	2-6-07
Revisions:	Fixed Pipe Elevations
Dgn Name:	Washington_asbuilt
Field By:	RAE
Drawn By:	RAE
Checked By:	
Date:	



Certified By:  
*Walter A. Evans*  
Walter A. Evans P.E.

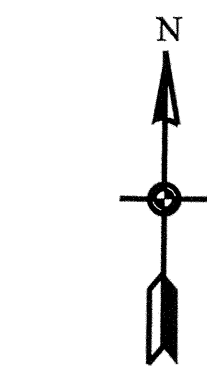
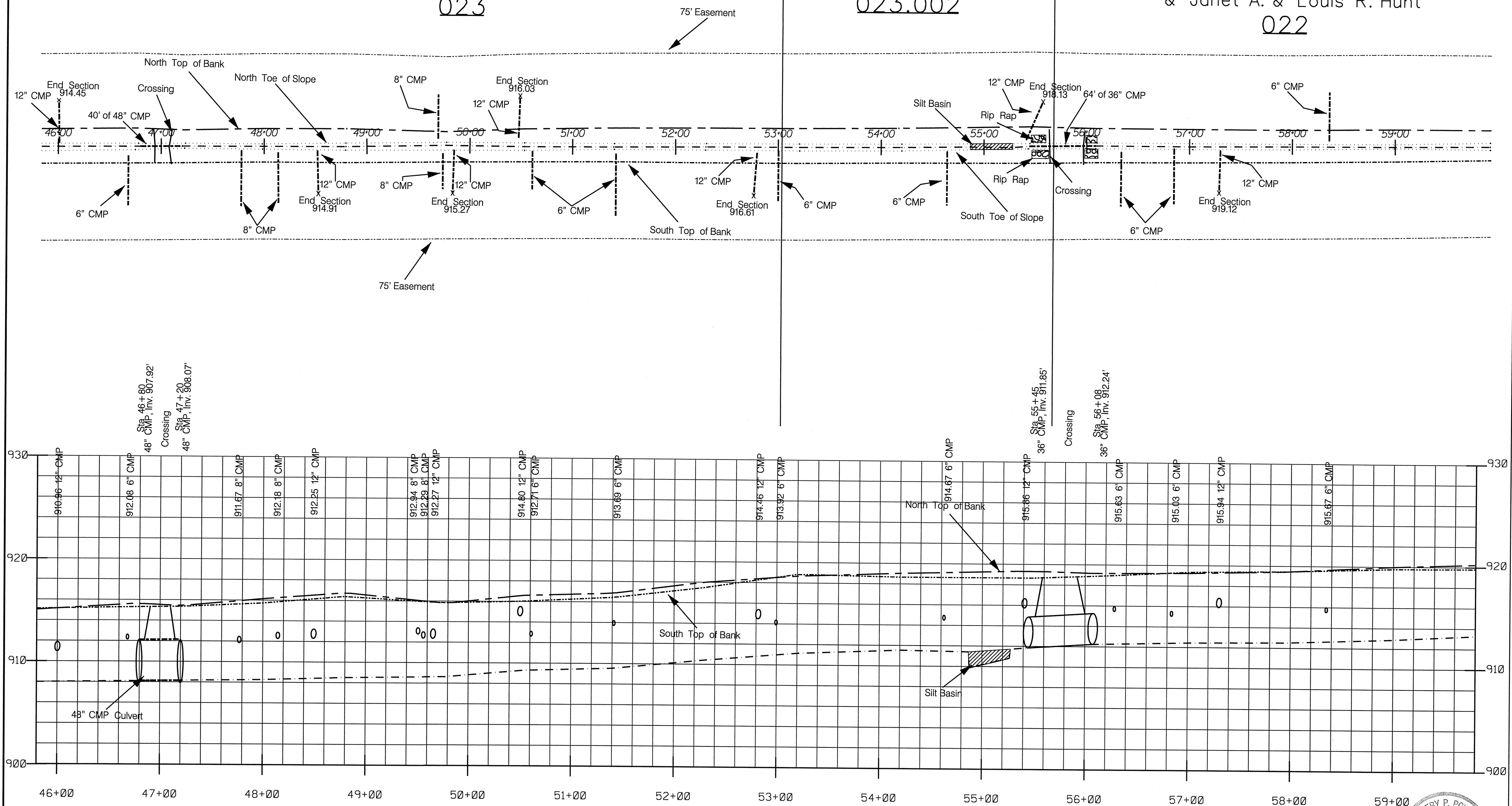
Project Name:  
Washington As-Built  
Overall Plan Sheet

SHEET NO.  
3 of 8

Kenneth W & Betty Lou & Casey & Hunt  
023

Billy Gene Casey  
023.002

Kenneth W. & Betty Lou  
& Billy G. & Sheryle Casey  
& Janet A. & Louis R. Hunt  
022



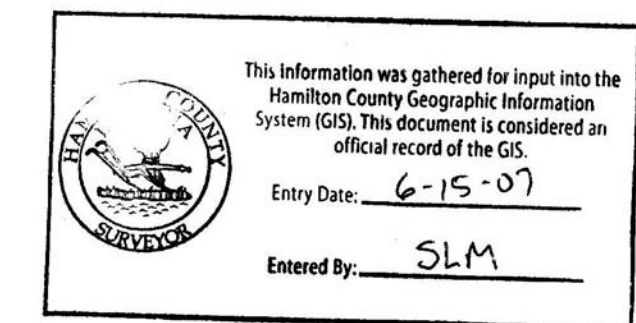
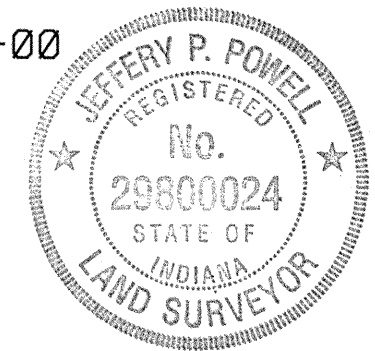
PLAN VIEW

SCALE 1" = 50'

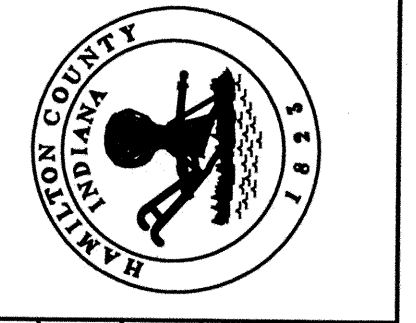
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HORIZONTAL SCALE 1" = 50'

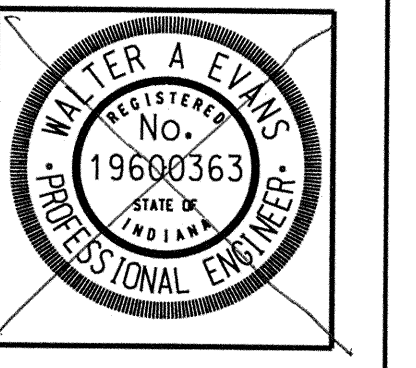
VERTICAL SCALE 1" = 5'



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Judicial Center  
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(F) 776-9628  
surveyorco.hamilton.in.us



Project No:	Watershed No:
By: J.P.	Dgn Name: Washington_asbuilt
Date: 2-6-07	Field By: RAE
Revisions:	Drawn By: RAE
Fixed Pipe Elevations	Checked By:

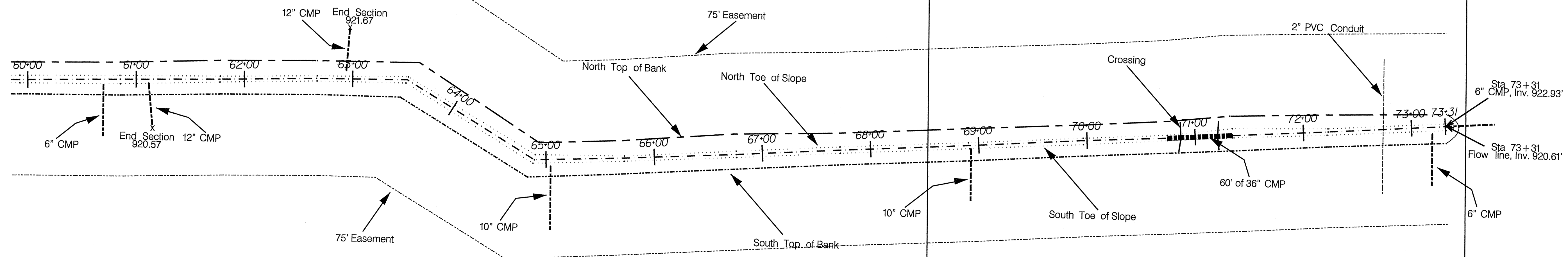


Certified By:  
Walter A. Evans P.E.

Project Name:  
Washington As-Built  
Overall Plan Sheet

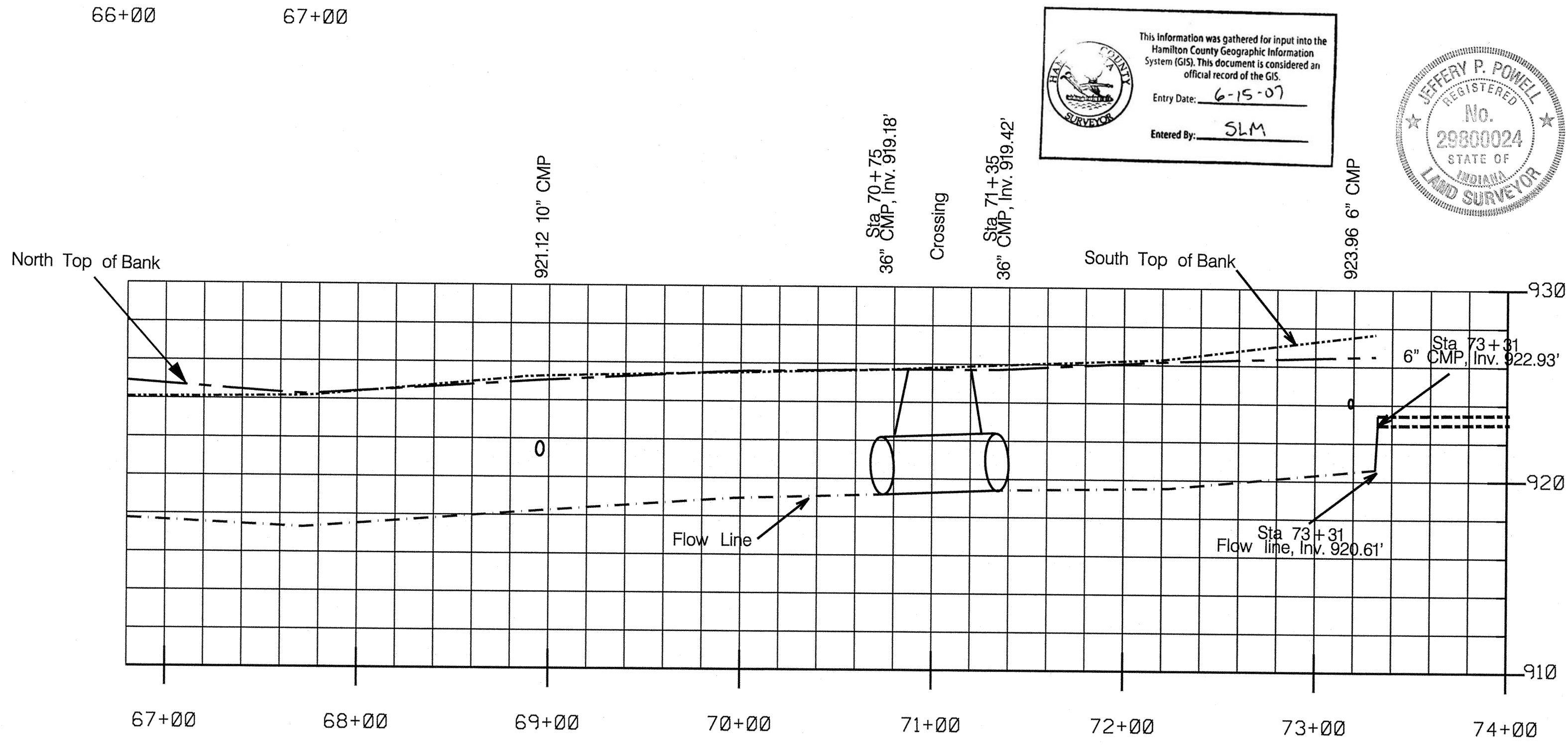
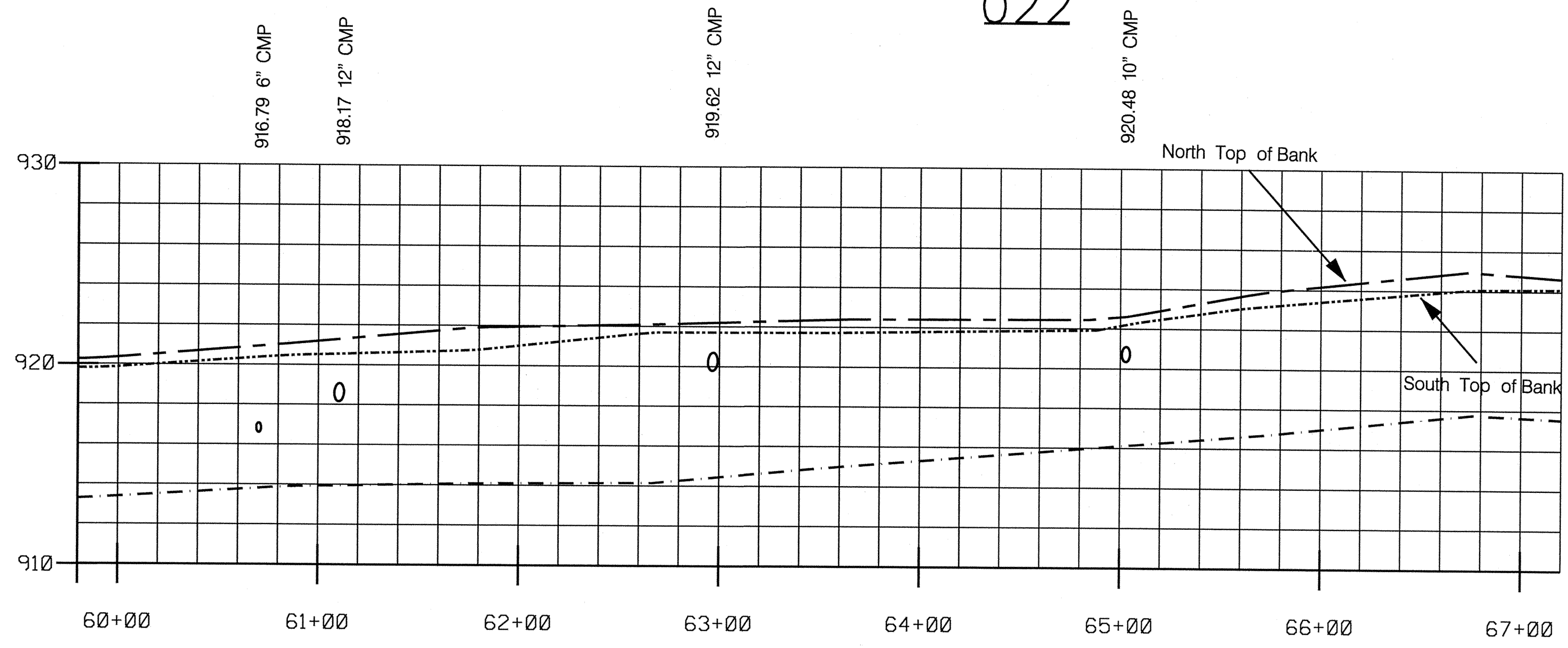
SHEET NO.  
4 of 8

Washington As-Built 2/6/07 Hamilton County Surveyor's Office, Noblesville, IN 48060

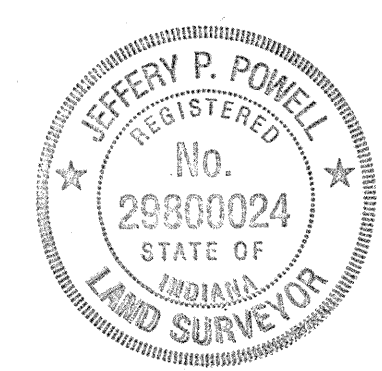


Kenneth W. & Betty Lou  
 & Billy G. & Sheryl E. Casey  
 & Janet A. & Louis R. Hunt  
 Q22

Westfield Golf Practice Center, LLC  
 021.001



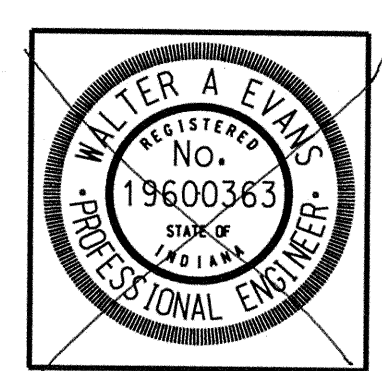
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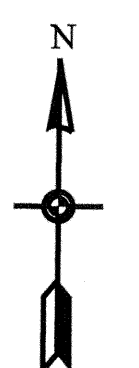
HAMILTON COUNTY, INDIANA  
 Hamilton County Surveyor's Office  
 Hamilton County Government and  
 Judicial Center  
 One Hamilton County Square, Suite 188  
 Noblesville, IN 46060  
 (317) 776-6495  
 survey@hco.hamilton.in.us



Project No:	Watershed No:
By: J.P.	Dgn Name: Washington_asbuilt
Date: 2-6-07	Field By: FAE
Revisions:	Drawn By: FAE
Fixed Pipe Elevations	Checked By:
	Date:



Certified By:  
 Walter A. Evans P.E.



PLAN VIEW  
 SCALE 1" = 50'  
 PROFILE VIEW  
 HORIZONTAL SCALE 1" = 50'  
 VERTICAL SCALE 1" = 5'

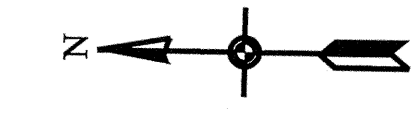
Project Name: Washington As-Built  
 Overall Plan Sheet

SHEET NO.  
 5 of 8

Washington Township Ditch

021.001

007.000



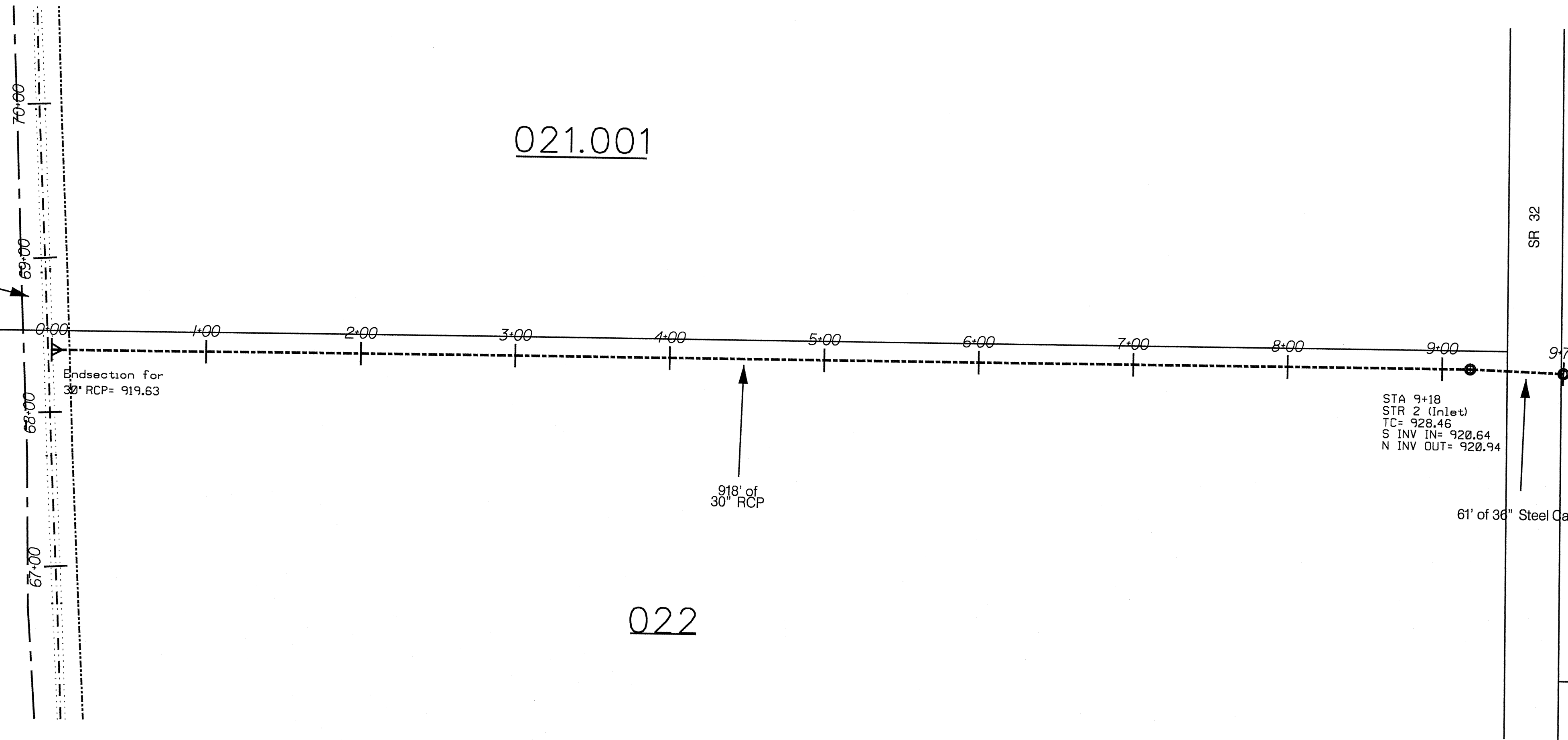
PLAN VIEW

SCALE 1" = 50'

PROFILE VIEW

HORIZONTAL SCALE 1" = 50'

VERTICAL SCALE 1" = 5'



STA 9+18  
STR 2 (Inlet)  
TC= 928.46  
S INV IN= 920.64  
N INV OUT= 920.94

STA 9+79  
STR 1 (Inlet)  
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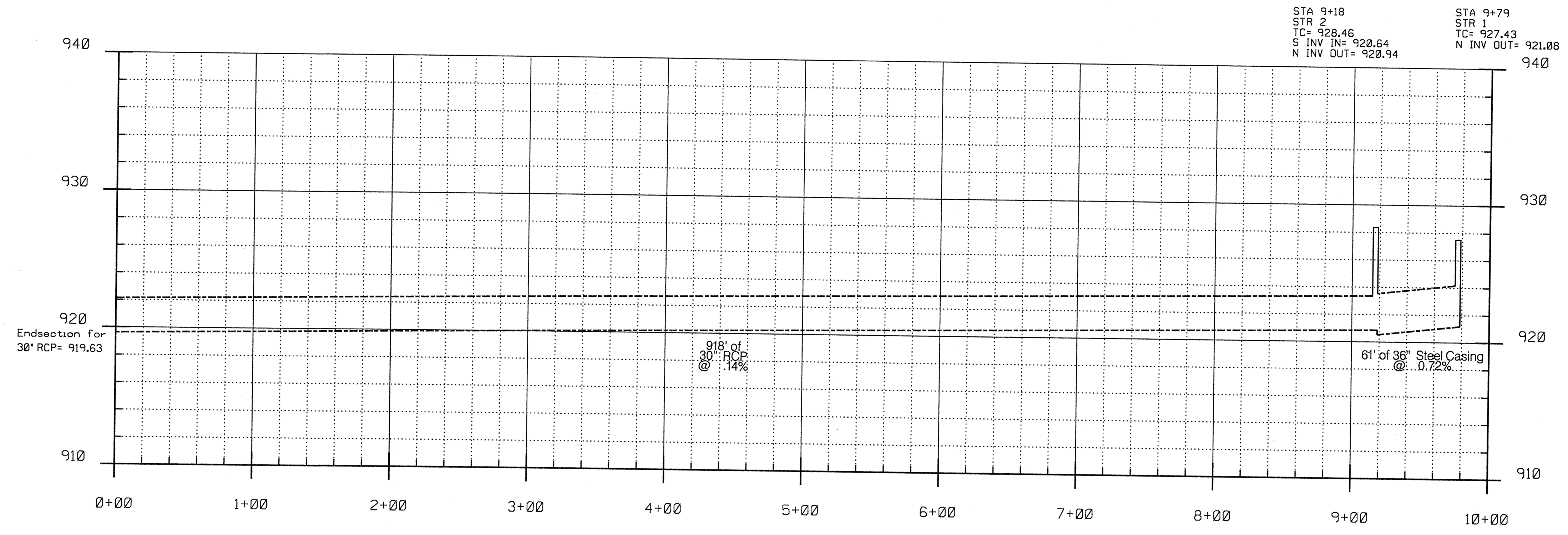
61' of 36" Steel Casing

918' of 30" RCP

022

006.000

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Entry Date: 6-15-07  
Entered By: SLM



STA 9+18  
STR 2  
TC= 928.46  
S INV IN= 920.64  
N INV OUT= 920.94

STA 9+79  
STR 1  
TC= 927.43  
N INV OUT= 921.08

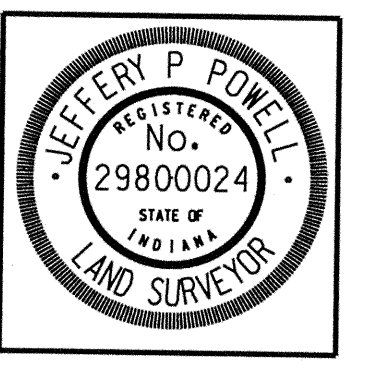
61' of 36" Steel Casing @ 0.72%

918' of 30" RCP @ 14%

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Hamilton County Square, Suite 188  
Noblesville, IN 46060  
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(F) 778-8628  
surveyor@co.hamilton.in.us



Project No.	Watershed No.	Dgn Name:	Field By:	Checked By:	Date:
			RAE		
By:	J.P.				
Date:	2-6-07				
Revisions:	Fixed Str. elevation per Level Work				



Certified By:  
*Jeffery P. Powell*  
Jeffery P. Powell L.S.

Project Name: As-Built  
Arm 1 - Washington Tsp. Drain  
Plan and Profile Sheet  
PLOT DATE: \$\$\$\$\$\$DATE\$\$\$\$\$\$

SHEET NO.