

Drain: JD MCKENZIE Drain #: 146
 Improvement/Arm: RECONSTRUCTION
 Operator: J. LIVINGSTON Date: 3-26-04
 Drain Classification: Urban Rural Year Installed: 1982

GIS Drain Input Checklist

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

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: JR MCKENZIE - RECONSTRUCTION

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	TABLE 11B	
					Price:	Cost:
DREDGING 1400'		0'				
RESHAPING 5700'		0'				
VARIOUS STRUCTURES		0'				
RIP RAP CURVES		0'				
TILE INVESTIGATION		0'				
TILE	12"	700'	700'			

Sum: 700' + 700' \$ 97,913.00

Final Report: 700'

Comments:



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6112 Ext. 19

Noblesville, Ind. 46060 June 23, 1981

To: Joint Hamilton & Boone Co. Drainage Board

Re: J.R. McKinzie Drainage Shed

Attached are plans for the reconstruction of the J.R. McKinzie Drain as prepared by John South, Hamilton County Soil & Water Conservation District Engineer. Included with the plans is a drain location map showing the drains included in the drainage shed. Also attached is a drainage shed map and proposed assessment roll.

The drains included in the drainage shed are the J.R. McKinzie, 39,588 feet; F.M. McKinzie, 2,300 feet; Wm. Stahl, 4,500 feet; Jesse Lovell, 5,100 feet; Lydia Swafford, 1,695 feet; O.A. Phebus, 2,440 feet and the J.H. Osborn, 10,020 feet for a total of 65,643 feet of open and closed drains. Approximately 62,143 feet, or 95% of this total lies in Hamilton County and 3,500 feet, or 05% in Boone County. The total drainage shed covers 3,823.39 acres of which 216.23 acres or 5% lies in Boone County and 3,607.16 acres or 95% lies in Hamilton County.

The proposed reconstruction mainly consists of dredging 14,000 feet of open ditch, reshaping 5,700 feet of bank, installing 5 silt basins, 10 surface water pipes, 10 pipe drop structures, 5 rock chutes and a number of tile outlet CMP's.

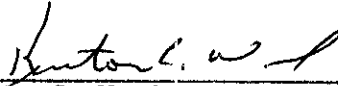
The project also consists of clearing, tile investigation, straightening the channel and riprapping curves. All of the above is to be done in Hamilton County. In Boone County work is to be done on the ~~Jenkins~~ ^{Jenkins} property consisting of clearing, tile investigation and replacement. See the plans for further details.

The cost estimate for this work is \$102,710.00. Adding 10% contingency and miscellaneous expenses the total increases to \$120,793.71. A detailed cost estimate has been included which breaks down the costs. The cost per acre for the reconstruction is \$31.60 with a \$20.00 minimum.

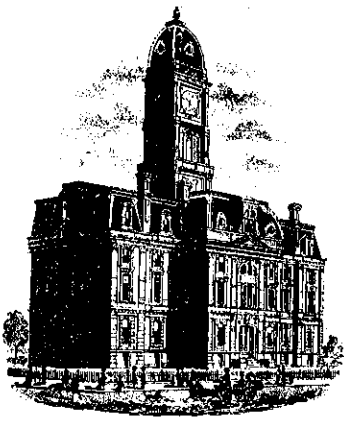
A maintenance program should be established for the drainage shed at the time of reconstruction. A maintenance assessment of \$2.00 per acre with a \$3.00 minimum will generate \$7,687.34 per year. The maintenance program will include spraying brush every three years. Any maintenance needed in Boone Co. will be handled by Hamilton County.

At this time the J.H. Osborne and the O.A. Phebus & F.M. McKinzie has separate maintenance funds. The collections for these drains should be stopped in 1982. The funds in these should be put in the fund for the total drainage shed. If the landowners do not want the funds combined with the drainage shed funds then these funds should remain separate. Then claims for work on these drains shall be paid from the individual funds until they are depleted. At this time the fund for the J.H. Osborn, #44, has \$1,402.79 and the Phebus-McKinzie, #67, has \$1,454.03.

In conclusion I recommend to the Board that a reconstruction and maintenance hearing for the J.R. McKinzie Drainage Shed be set for August 31, 1981 at 1:30 P.M.



Kenton C. Ward,
Hamilton County Surveyor



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060 November 29 1982

TO: Hamilton County Drainage Board

RE: J.R. McKinzie Drain

November 10, 1982 I made the final inspection on the J.R. McKinzie Drain reconstruction done by J & W Excavating, Inc.. At that time I found the work to be complete and acceptable.

Several extra items and changes were made during the course of the project. These changes, with date of change, are as follows:

1. Structure #3 Pipe Drop, substituted by Alternate A. Aluminum Toewall April 14, 1982
2. Cast Iron water pipe approved for substitute on 4,6 and 8 inch tile outlet pipes. April 20, 1982
3. Three (3) flood gates and riprap ordered on Billingsley and Kercheval October 12, 1982
4. Filling Ox Bow on Kercheval October 12, 1982
5. Tile on Jennings Farm relocated and 700' of 12" tile added. (Shown in red on drain map.) October 12, 1982
6. Sixteen (16) surface pipes October 12, 1982
7. Forty-seven (47) tile outlets October 12, 1982
8. Other items listed on invoice 2516 October 12, 1982

The total cost of the extra work items amounts to \$27,677.57.

Attached are the as built plans. The profile and cross sections show the new construction in red and the drain map shows the approximate location of structures and tiles along with sizes in red.

The original contract price was \$59,890.73 with the change on Structure #3 the contract price changed to \$62,422.80. At present \$53,059.38 has been paid on the contract price which amounts to 85% of the contract price. Attached is a claim for the 15% retainer in the amount of \$9,363.42. The contractor has submitted a statement indicating that all expenses have been paid. Since the contractor finished the dredging operations before August 31, 1982.

no deductions were made (see letter August 3, 1982)

The cost breakdown per claim, excluding the retainer is as follows:

<u>Claim #</u>	<u>Date</u>	<u>Item</u>	<u>Amount</u>
82-135	5/11/82	Contract Price	\$16,537.81
82-188	6/10/82	Contract Price	\$ 17,331.95
82-246	8/5/82	Contract Price	\$19,189.62
82-285	9/14/82	Extras	\$16,086.74
82-301	10/8/82	Extras	\$ 8,735.40
82-333	11/10/82	Extras	\$ 2,855.43

Upon payment of the retainer the total job cost will be \$90,100.37. Add to this figure the \$7, 812.71 amount of miscellaneous expenses, such as engineering and dormant accounts, the new figure for the total project is \$97, 913.08. For the Boards reference the cost estimate for the work was \$102,710.00 and with the contingency and miscellaneous expenses the total estimate was \$120,793.71 with a cost per acre of \$31.60 with a \$20.00 minimum.

Since the total cost of the project was lower than estimated and the total acreage was reduced to 3773.88 acres, the new cost per acre should be \$25.95 with \$20.00 minimum.

Attached is a revised assessment roll showing the assessments, Please note that some individuals will receive a refund because they have already paid over what the new assessments are.

I also want to point out that Ada Bear will be assessed \$2532.07 additional to the regular assessment. This is the difference on Structure #3 the original structure and Alternate #A (see letter dated November 9, 1981.)

KCW/no




Kenton C. Ward-County Surveyor

SMALL PLATS

- 0.29-005 KERCHEVAL HOMESTEAD INC.
- " 006 BARRICK, CHARLES & WF. 1.7 Ac.
- " 007 SMITH, DONALD & WF. 3.0 Ac.
- " 010 HINSHAW, LOWELL & WF.
- " 011 RINGER, FARMS INC.
- " 012 DUNN, RONALD & WF.
- " 018 HUNT, ELZIE
- " 019
- 0.9.001 " 87 Ac
- 01-7-009 LINDENMAYER, SALLY
- 01-8-011 GLUNT GEORGE & WF.
- 01-8-012 BOWER HENRY & WF. 4057 Ac.
- 01-9-001001
- 01-9-002 WALLACE ANSEL & WF.
- 01-9-004 WALLACE ANSEL & WF.
- 01-9-010 ROY LAMBERT
- 01-16-003 BILLINGSLEY DOROTHY
- 01-16-004 BILLINGSLEY DOROTHY
- 01-16-005 BILLINGSLEY DOROTHY
- 01-17-006001 BIDDLE VELMA
- C-21-006 LAMBERT ROY
- 0.20-005 GUTTMAN, JAMES MELVIN
- " 006
- " 007
- " 009 ALEXANDER, GLENN & WF.
- " 010
- 01-30-002 WHALEY OMER 5424 Ac
- " 006 DOTY CLARENCE 1.1 Ac
- " 009 BILBY JOE 1.0 Ac
- " 011 HAUGHEY TAD & WF. 2.8 Ac
- " 012 DURR JAMES F. & WF.
- " 013 JESSUP DON & WF.
- " 014 ISENHOWER REX

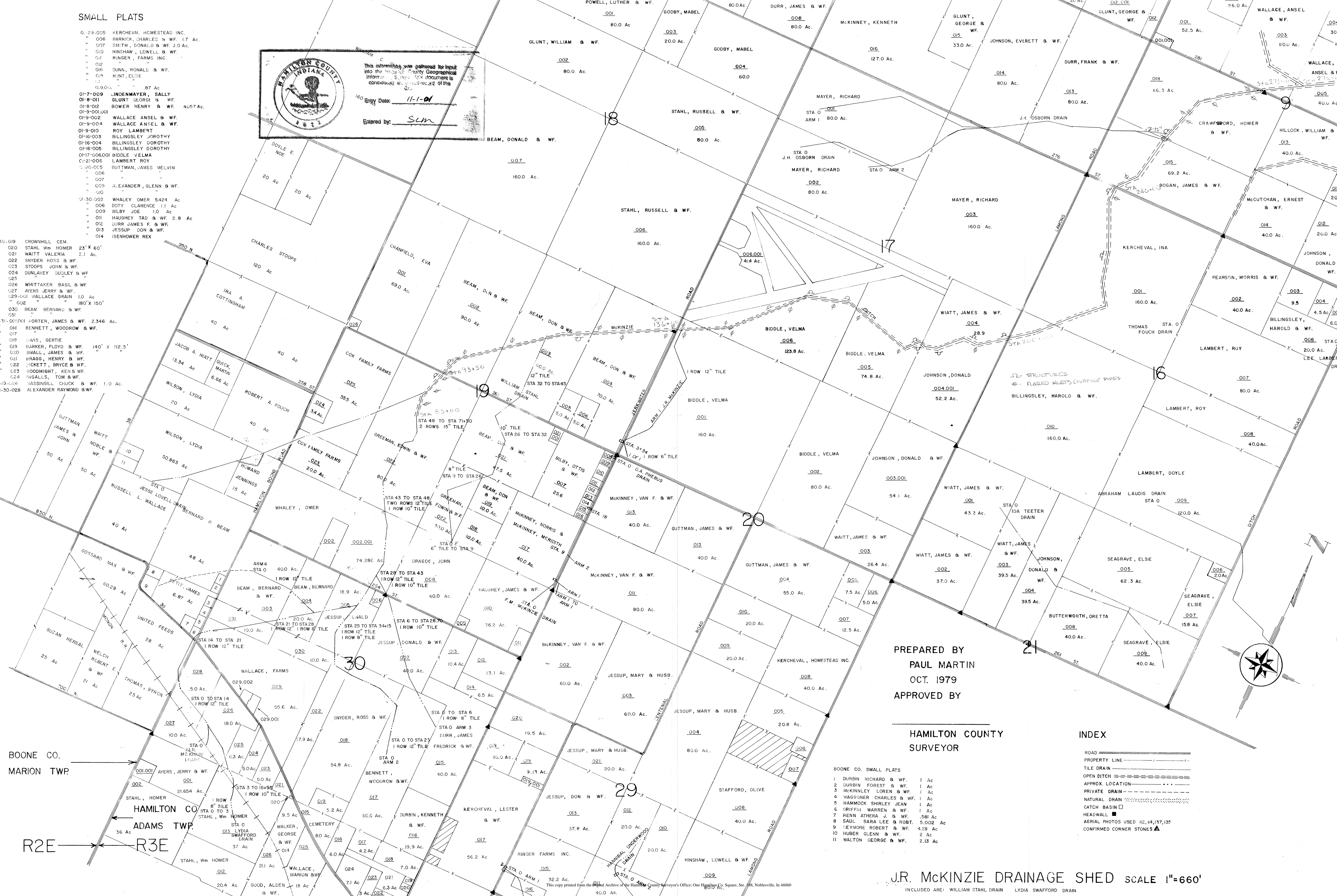
- 1.30-019 CROWHILL CEM.
- 020 STAHL Wm HOMER 23' X 60'
- 021 WAITT VALERIA 2.1 Ac.
- 022 SNYDER ROSS & WF.
- 023 STOOPE JOHN & WF.
- 024 DUNLAVEY DUDLEY & WF.
- 025
- 026 WHITTAKER BASIL & WF.
- 027 AYERS JERRY & WF.
- 029-001 WALLACE GRAIN 1.0 Ac
- " 002 " 180' X 150'
- 030 BEAM BERNARD & WF.
- 031
- 01-31-001001 PORTER, JAMES & WF. 2.346 Ac.
- 016 BENNETT, WOODROW & WF.
- 017
- 018 DAVIS, GERTIE
- 019 BARKER, FLOYD & WF. 140' X 112.5'
- 020 SMALL, JAMES & WF.
- 021 BRAGG, HENRY & WF.
- 022 PICKETT, BRYCE & WF.
- 023 GOODMIGHT, KEN & WF.
- 024 HIGALLS, TOM & WF.
- 01-19-026 MASSINGILL CHUCK & WF. 1.0 Ac.
- 01-30-028 ALEXANDER RAYMOND & WF.



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

Entry Date: 11-1-01

Entered by: SLM



PREPARED BY
PAUL MARTIN
OCT. 1979
APPROVED BY

HAMILTON COUNTY
SURVEYOR

- BOONE CO. SMALL PLATS
- 1 DURBIN RICHARD & WF. 1 Ac
 - 2 DURBIN FOREST & WF. 1 Ac
 - 3 MCKINLEY LOREN & WF. 1 Ac
 - 4 WAGONER CHARLES & WF. 1 Ac
 - 5 HAMMOCK SHIRLEY JEAN 1 Ac
 - 6 GRIFFIN WARREN & WF. 1 Ac
 - 7 RENN ATHERA J. & WF. .581 Ac
 - 8 SAUL SARA LEE & ROBT. 5.002 Ac
 - 9 EYMORE ROBERT & WF. 4.28 Ac
 - 10 HUBER GLENN & WF. 2 Ac
 - 11 WALTON GEORGE & WF. 2.18 Ac

INDEX

- ROAD —————
- PROPERTY LINE ————
- TILE DRAIN ————
- OPEN DITCH ————
- APPROX. LOCATION - - - -
- PRIVATE DRAIN ————
- NATURAL DRAIN ————
- CATCH BASIN □
- HEADWALL ■
- AERIAL PHOTOS USED 112, 114, 137, 135
- CONFIRMED CORNER STONES ▲


J.R. MCKINZIE DRAINAGE SHED SCALE 1"=660'

INCLUDED ARE: WILLIAM STAHL DRAIN LYDIA SWAFFORD DRAIN
O.A. PHEBUS DRAIN

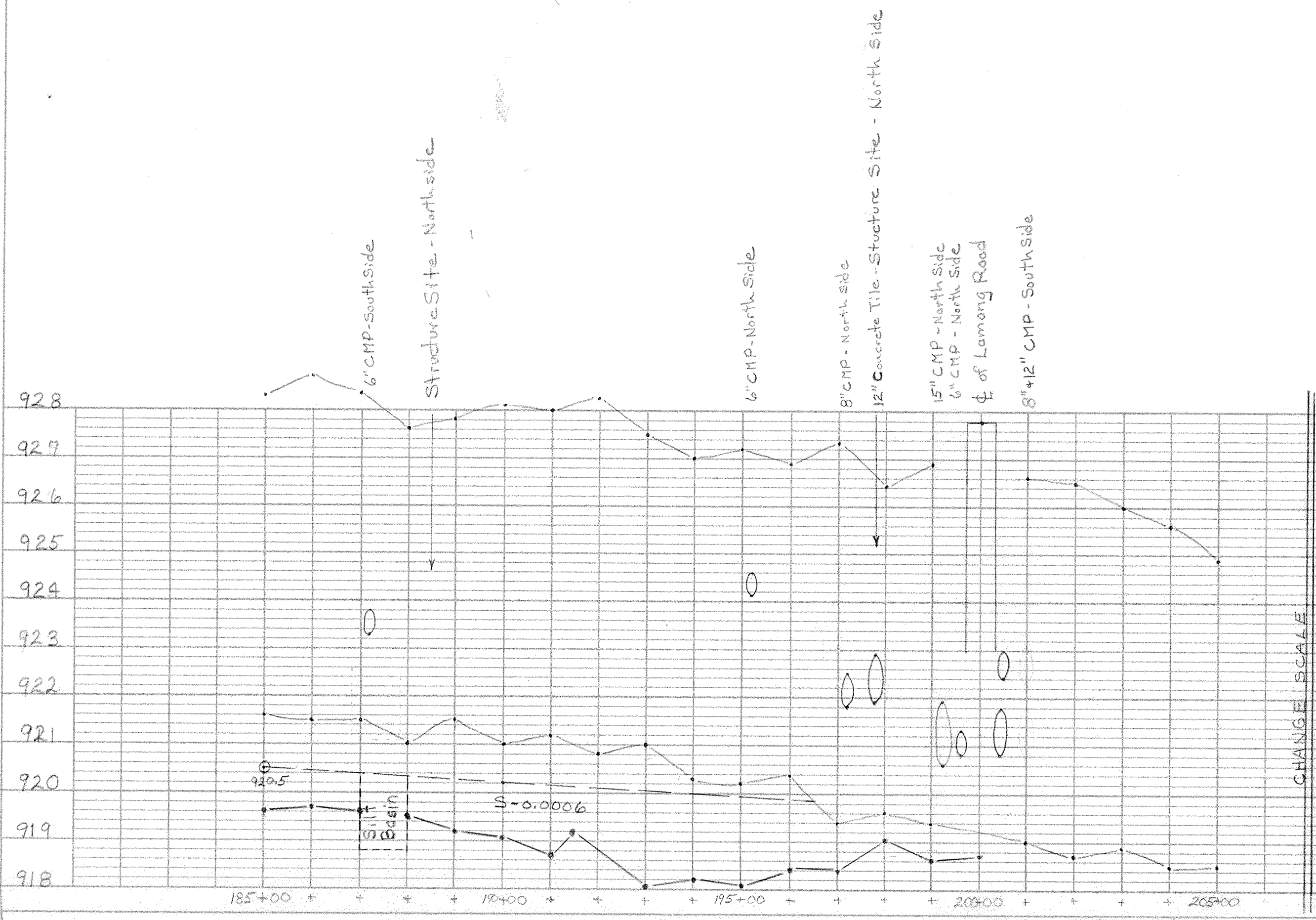
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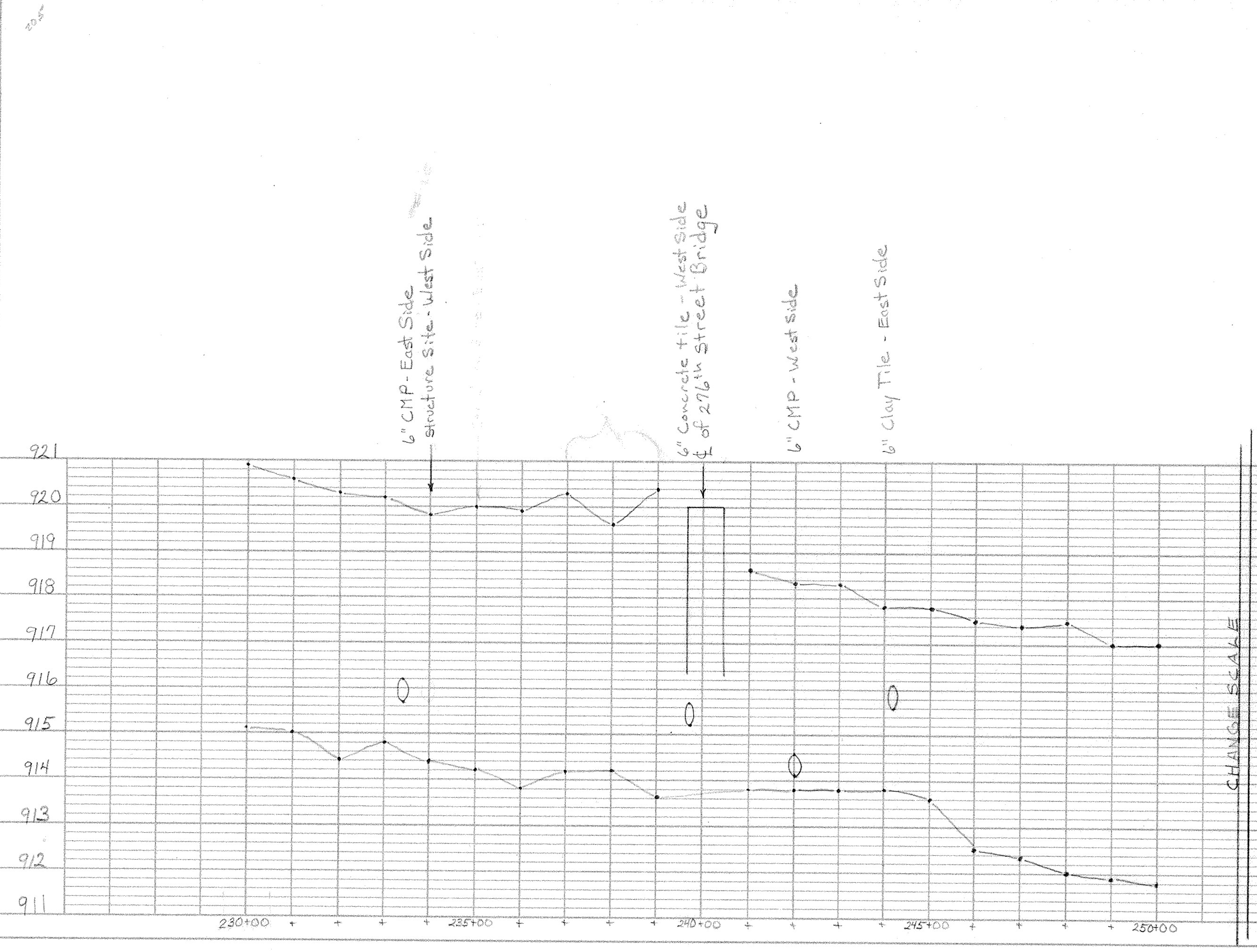
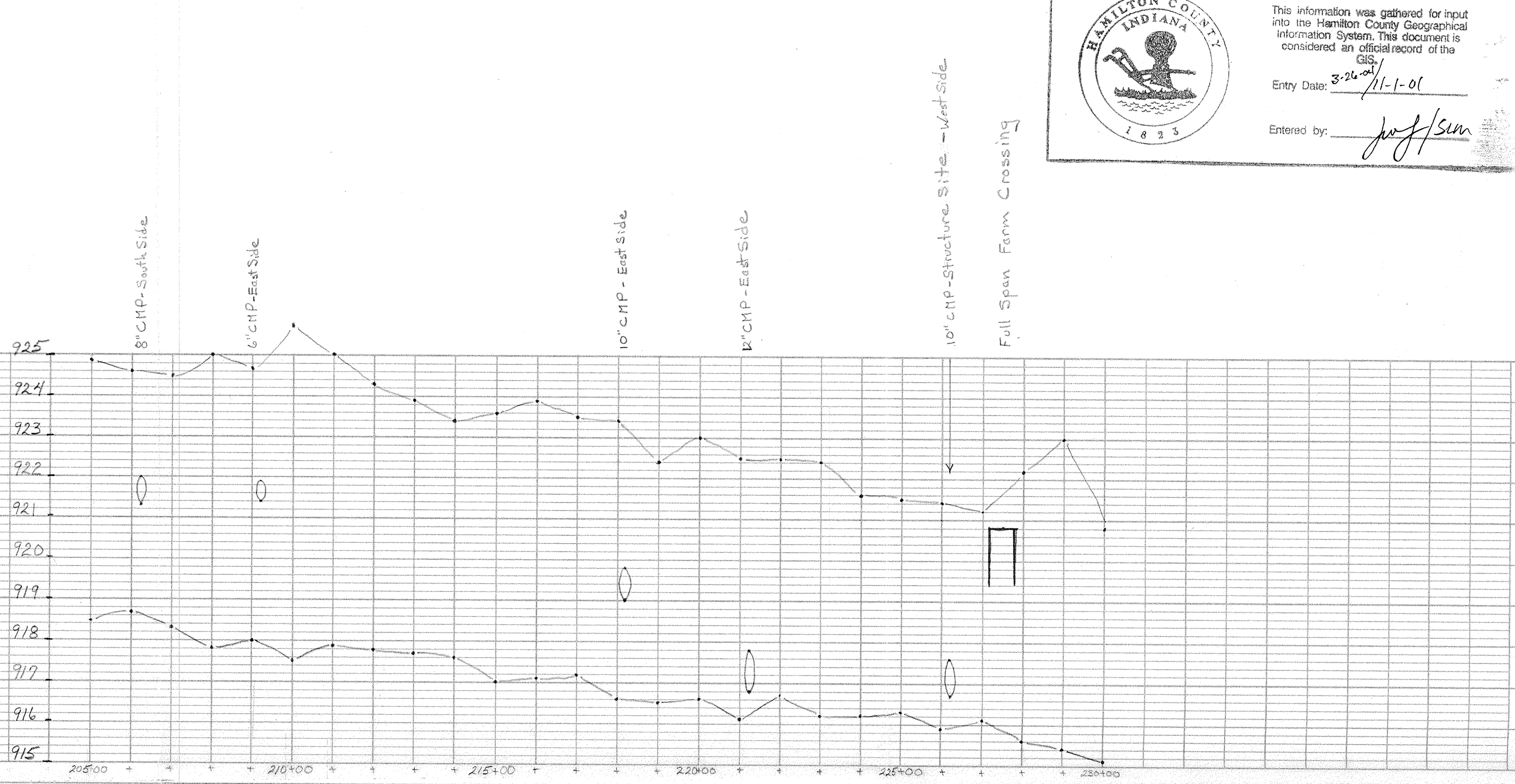
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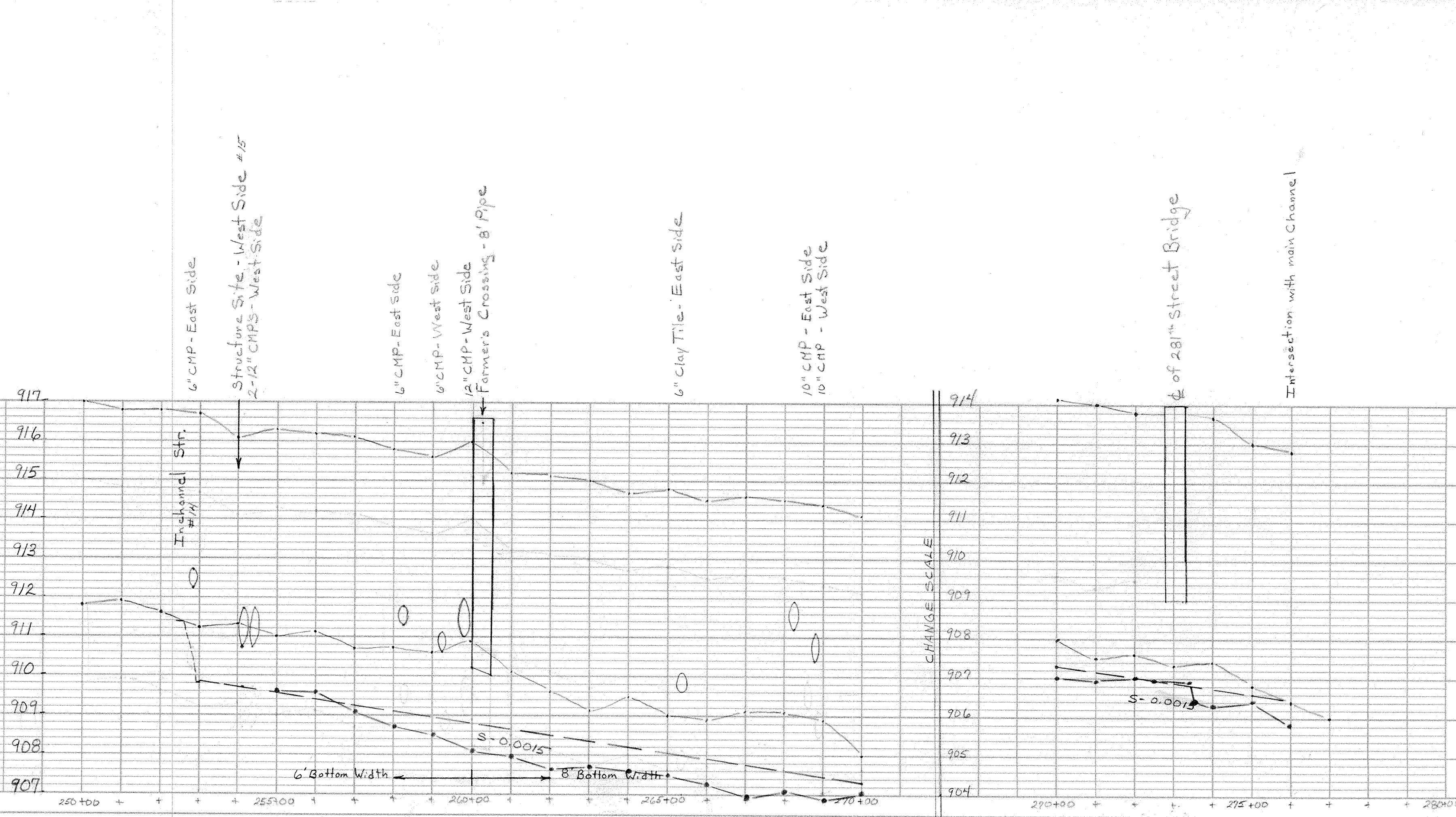
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CHANGE SCALE



CHANGE SCALE



MC KINZIE DITCH

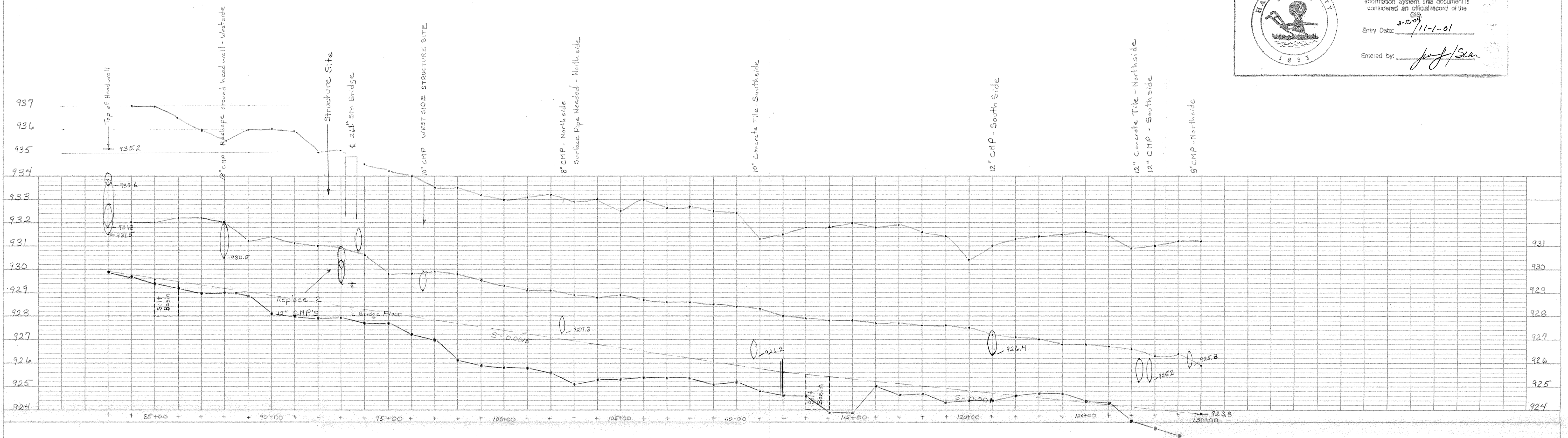


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Entry Date: 3-26-07 / 11-1-01

Entered by: jpf/sem

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Bottom Width - 6' for entire sheet

PROFILE	DATE
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