

Drain: HEIRY PLEW Drain #: 10
 Improvement/Arm: ARM 2
 Operator: J. LIVINGSTON Date: 5-26-04
 Drain Classification: Urban/Rural Year Installed: 1996

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 JL
- Stamp Plans JL
- Sum drain lengths & Validate JL
- Enter Improvements into Posse JL
- Enter Drain Age into Posse JL
- Sum drain length for Watershed in Posse JL
- Check Database entries for errors JL



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2238

January 18, 1996

TO: Hamilton County Drainage Board

RE: Henry Flew Drain-Arm #2

Attached is a petition, drainage shed map and plans for the reconstruction of the Henry Flew Drain.

The petition was submitted in order to correct a long standing problem within the Henry Flew Drainage Shed. The problem is a result of surface water, West of the Monon Railroad, flowing through a twenty-four (24") inch culvert under the rail bed onto the Harry L. and Margaret French property, Tract 05-14-00-00-023.000. This creates a flooding situation upon this property due to the elevation of the culvert under Horton Road and the elevation of a private grass surface waterway on the Clark property East of Horton Road. At times this will undulate Horton Road and areas East of Horton Road.

The situation was reviewed and two (2) solutions submitted by the Hamilton County Soil Water Conservation District, which report is attached.:

Plan #1-diverts the surface flows away from the French's lot. This is accomplished with the construction of an open ditch running parallel along the West side of the old Monon railroad. The channel discharges at the existing aluminum drop structure at the head of the Henry Flew Drain. The open ditch is located in as much as possible on the Monon railroad property.

Plan #2-provides improvements to the existing drainage way on the Clark property. Culverts and tile are added and the flow path is improved with a new waterway. This designed is limited because Horton Road is higher than the existing grade at the foundation of the house. If the culverts become blocked, water will still pond

next to the house.

Although both plans should be initiated, I am recommending Plan #1 be done at this time. This is due to the fact that Plan #1 is the cheapest and it will divert water from the French property. Thus, in my opinion solving most of the problem.

This will create Arm #2 of the Henry Plew Drain. STATION 0 of this Arm will be located at the existing twenty-four (24") inch culvert on the West side of the Monon line West of Horton Road. It will then run 1,178 feet to STATION 45+46 of the Main Plew Drain. The entire length will be within the West ditch line of the Monon Right-of-Way. The length of the new arm will be 1,178 feet of open ditch.

This proposal will add easement to the following properties:

London, Mildred & George-05-14-00-00-022.000

C S X Transportation Inc-05-14-00-00-030.000

French, Harry L. & Margaret-05-14-00-00-023.000

Gould, Norman L. Jr. & Rebecca A.-05-14-00-00-024.000

Reddick, Alonzo & Ida F.-05-14-00-00-025.000

Fox, Ray O. -05-14-00-00-026.000

Keasey, Harry G. & Eileen-05-14-00-00-027.000

The cost estimate of this work is as follows:
The proposed Henry Plew Drain reconstruction consists of the following items:

Rip Rap	\$ 500.00
Clearing-burn and bury 0.67ac	2,000.00
Excavation & Spread spoil (1,178' @ \$3.50/lineal ft)	4,123.00
Seeding Open Ditch and Disturbed area (1ac @ \$1,000.00/ac)	1,000.00
Plug 24" Culvert	500.00
SubTotal	\$8,123.00

10% Contingencies

812.00

TOTAL

\$8,935.00

The proposed drainage shed for this project includes the portion of the existing Plew Drainage Shed West of the Monon which the surface water flows through the twenty-four (24") inch culvert mentioned previously. Along with these tracts, I have included the French property.

I believe that the French property and the County Highway derives more benefit from the project than the other tracts to be assessed. This is due to the reduction of flooding events during some storm events and the elimination of the flooding occurrences during other storm events. Therefore, I believe that both should be assessed at a greater rate than the other properties, I recommend the following assessments:

Hamilton County Highway Department	<u>\$2,500.00</u>
French, Harry & Margaret #05-14-00-00-023.000 .75ac	<u>\$2,500.00</u>

The drainage shed for the remainder of the Tracts to be assessed is 92.61 acres. Upon review of this drainage shed for the proposed reconstruction and considering each parcel individually, I believe that each parcel will have equal benefits as provided by the new Arm of the Henry Plew Drain. I recommend the Board assess each tract \$42.50 per acre, with a minimum assessment of \$50.00 per tract.

Upon review of the proposed project, I do not believe that any damages will result to Landowners by this project. Therefore, damages for each tract shall be set at \$0.00. This reflects the Boards discussion on this matter at its meeting of December 18, 1995.

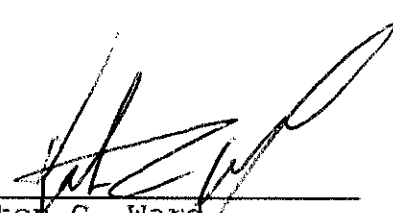
At this time the fund for the Henry Plew Drain is ~~\$2,455.06~~ in the RED. The drain has been the red since 1989. The maintenance cost over the last five (5) years are as follows:

1991-----\$ 969.00	1994----- 1,223.40
1992----- 446.80	1995 244.00
1993-----2,784.05	
<u>TOTAL</u>	<u>\$5,667.25 -</u>

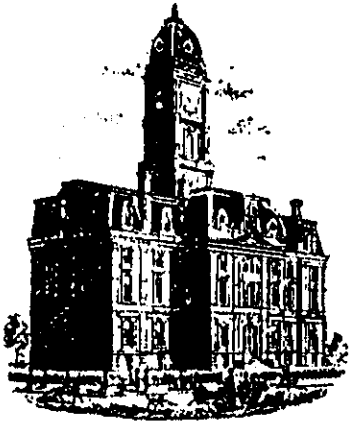
The five (5) year average is \$1,133.45 per year.

Since placed on maintenance in 1969, the 727.27 acre drainage shed is assessed \$0.50 per acre, with a \$3.00 minimum, which brings in a total collection of \$421.72 annually. We had an increase hearing January 19, 1993 which increased it to \$1.00 per acre, with a \$6.00 minimum, bringing in \$866.86 annually. In order to bring the drain out of the RED. I recommend an assessment of \$5.00 per acre with a \$25.00 minimum be assessed for a two (2) year period. This will bring into the fund, \$4,168.56 annually for 1996 and 1997. In 1998, I recommend the annual assessment be reset at \$2.00 per acre, with a \$10.00 minimum, which will provide an annual assessment of \$1,667.42.

I recommend the Board set a hearing date of February 1996 for both of the proposals.



Kenton C. Ward
Hamilton County Surveyor
KCW/no



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

November 4, 1996

TO: Kent Ward

Hamilton County Surveyor

RE: Henry Plew Reconstruction Project Arm #2

FINAL INSPECTION REPORT

Please regard this letter as the final inspector's report on the Henry Plew regulated drain. Located in Section 14, Township 19 North, Range 3 East, in Washington Township of Hamilton County. As of the date of this letter I do hereby attest to and agree that the designed plans and additional change orders have been built. All grade checks have been completed by James V. Wyant and Frank Mills of the Surveyors Office. All other inspections have been performed by myself. There were no change order items or additional to this project.

Estimated cost of reconstruction-----	\$8,935.00	per reconstruction report 1-18-96
Contractor's Bid-----	<u>\$7,350.00</u>	
Difference=	\$1,585.00	
Claim #1-----	\$6,247.50	paid 10-29-96
Claim #2----15% retainage-----	<u>\$1,102.50</u>	paid 10-29-96
Total =	\$7,350.00	

The final, total cost of the project will equal \$7,350.00

Sincerely,

Stephen A Baitz

Stephen A Baitz

Drainage Specialist



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

March 17, 1997

TO: Hamilton County Drainage Board

RE: Henry Plew Drain

At this time the reconstruction of the Henry Plew Drain has been completed. This work was done by Van Horn Excavating, through a contract dated May 28, 1996.

The estimated cost for this work per the reconstruction report dated January 18, 1996 was \$8,935.00. The price of the work per the contract was \$7,350.00. Because there were no change orders for this contract the final cost of the work remains at \$7,350.00.

The Contractor has been paid the total amount due as shown below:

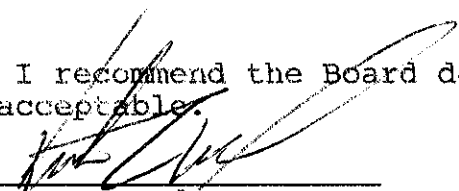
Claim #1 \$6,247.50 paid October 29, 1996

Claim #2 \$1,102.50 paid October 29, 1996

The Contractor has submitted his statement for expenses incurred.

Due to the lower final cost, I recommend the Board reduce the assessment from \$42.50 an acre, \$50.00 minimum, to \$34.16 an acre, \$40.00 minimum. Also Harry and Margaret French along with the Hamilton County Highway should be reduced from \$2500.00 each to \$2000.00 each.

I recommend the Board determine this project to be complete and acceptable.

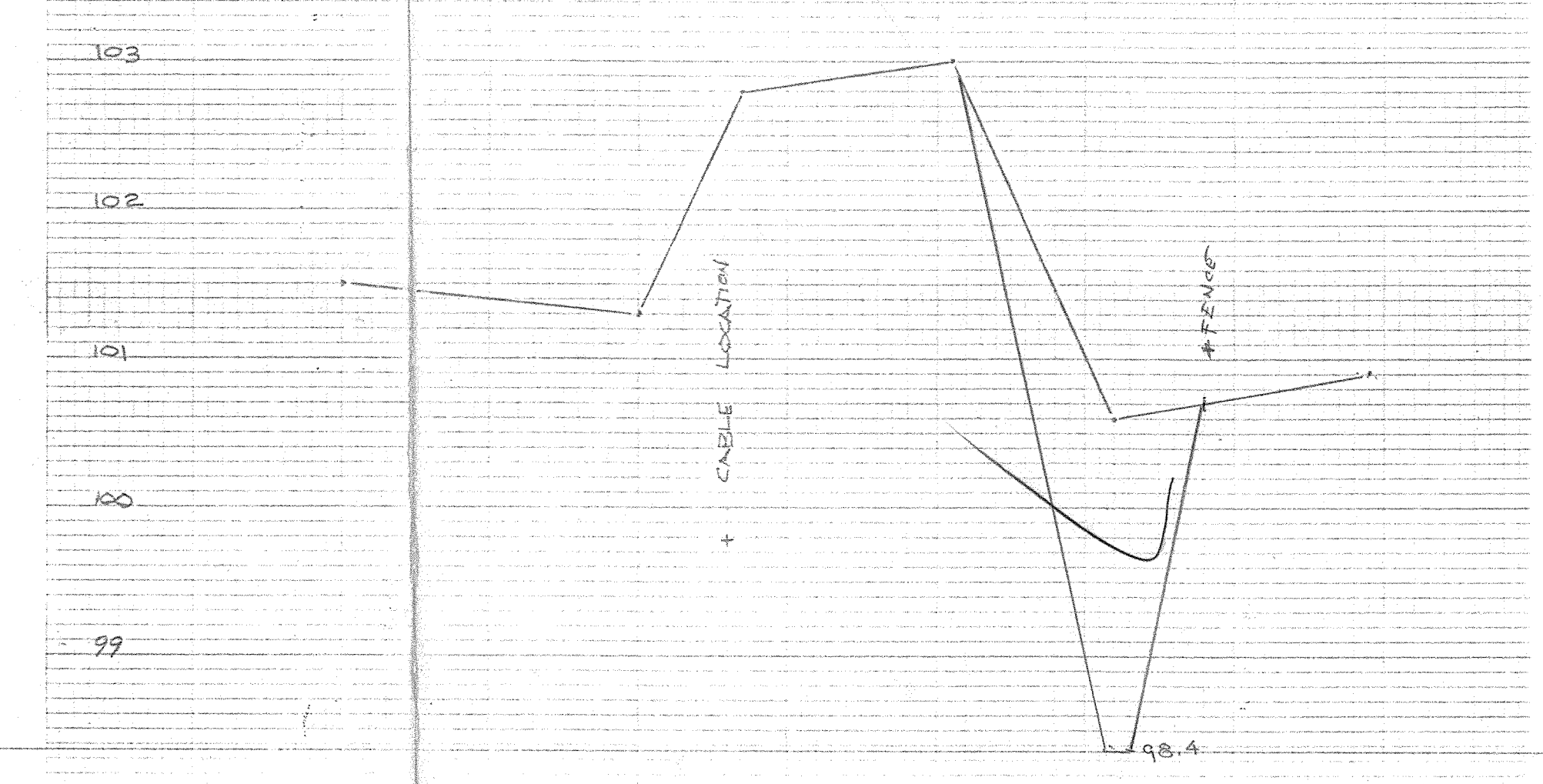
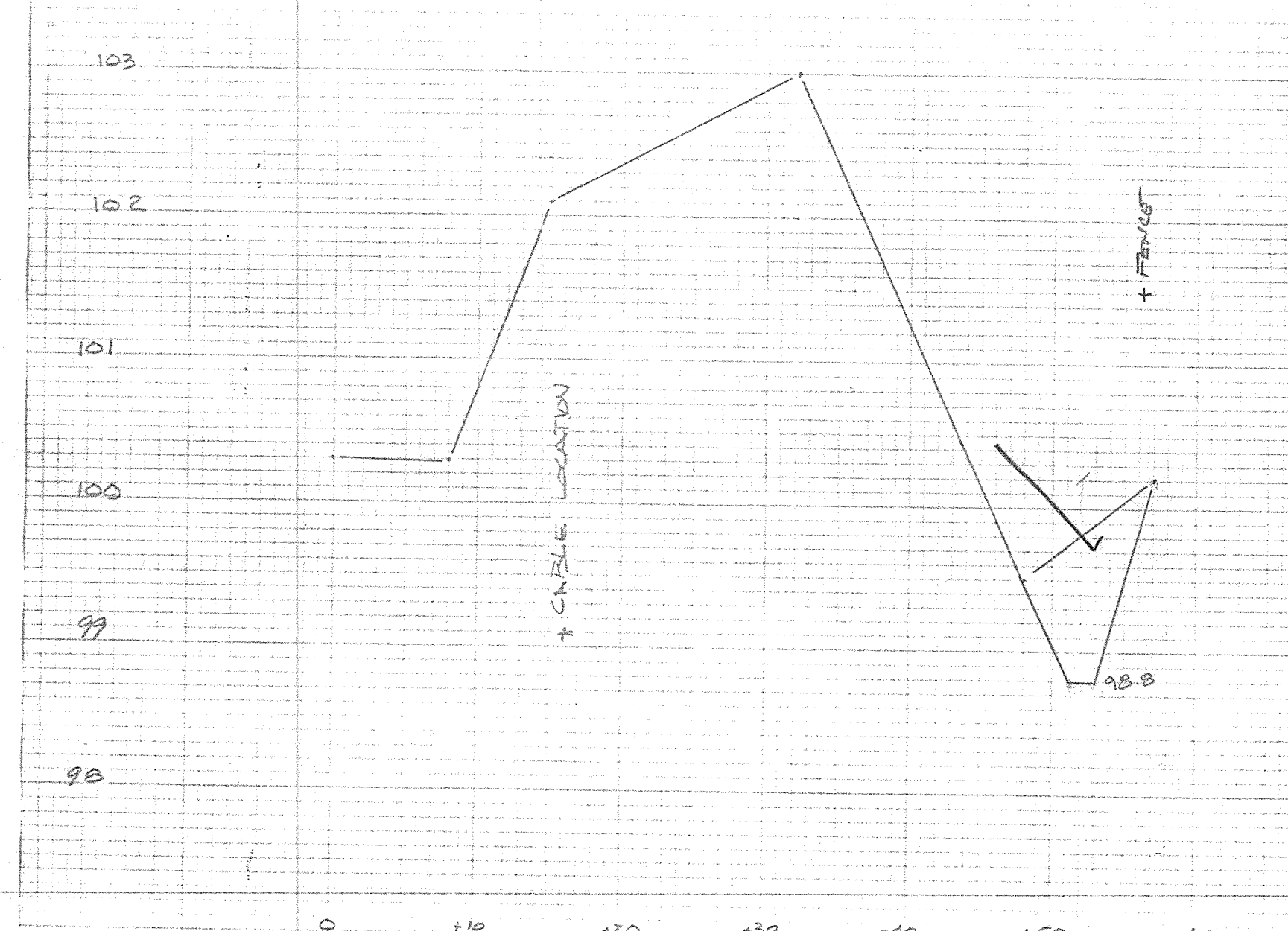
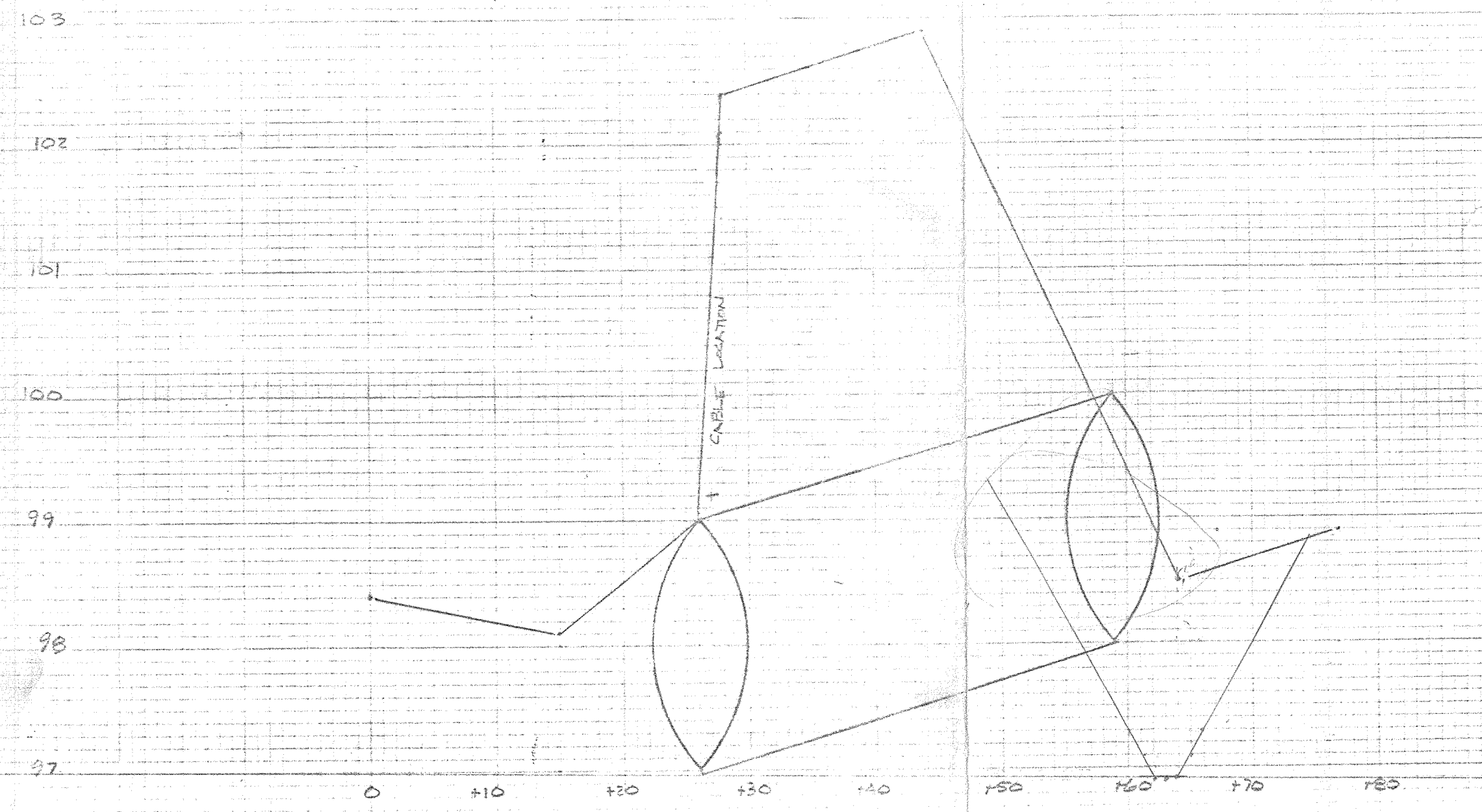
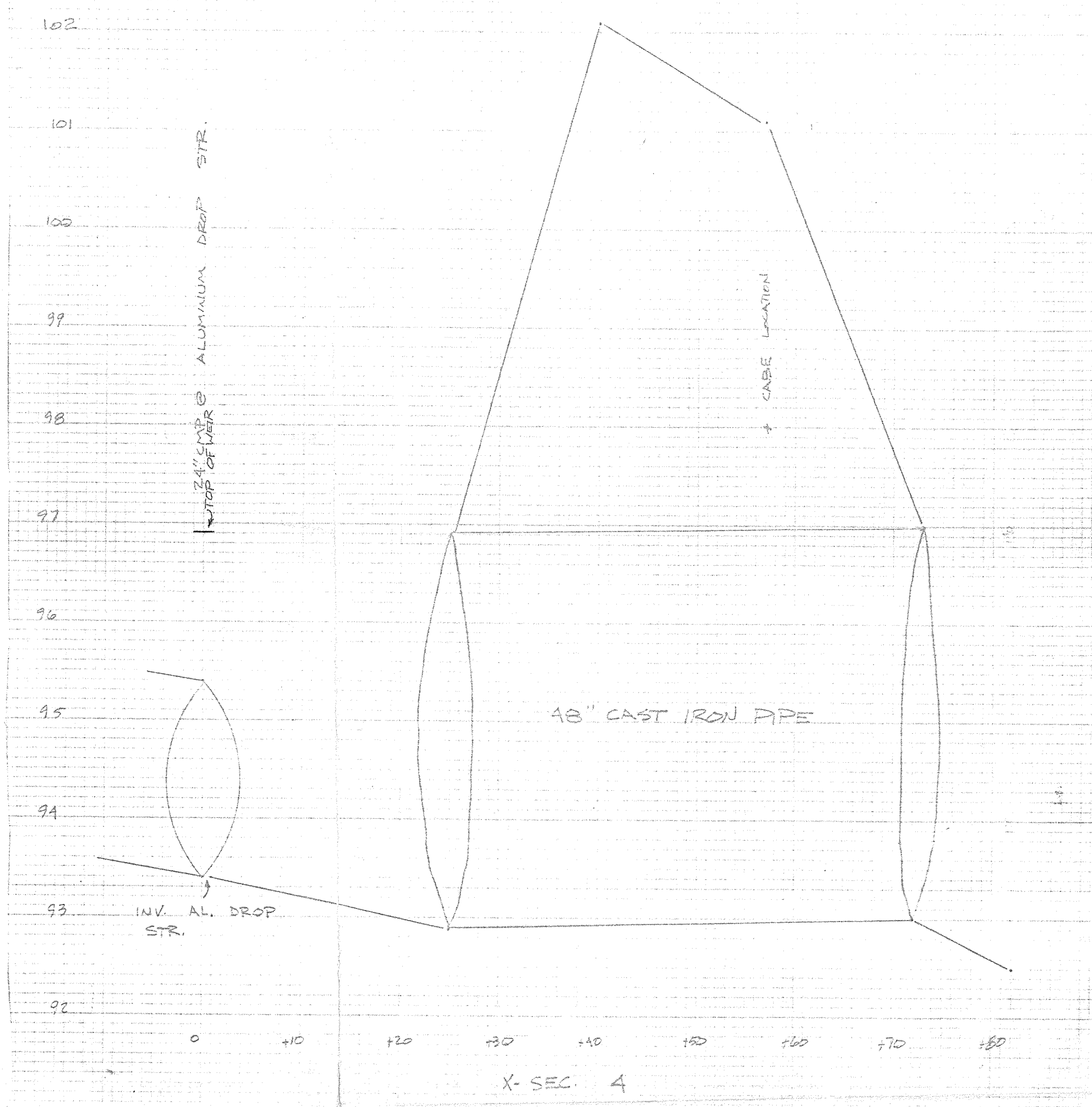
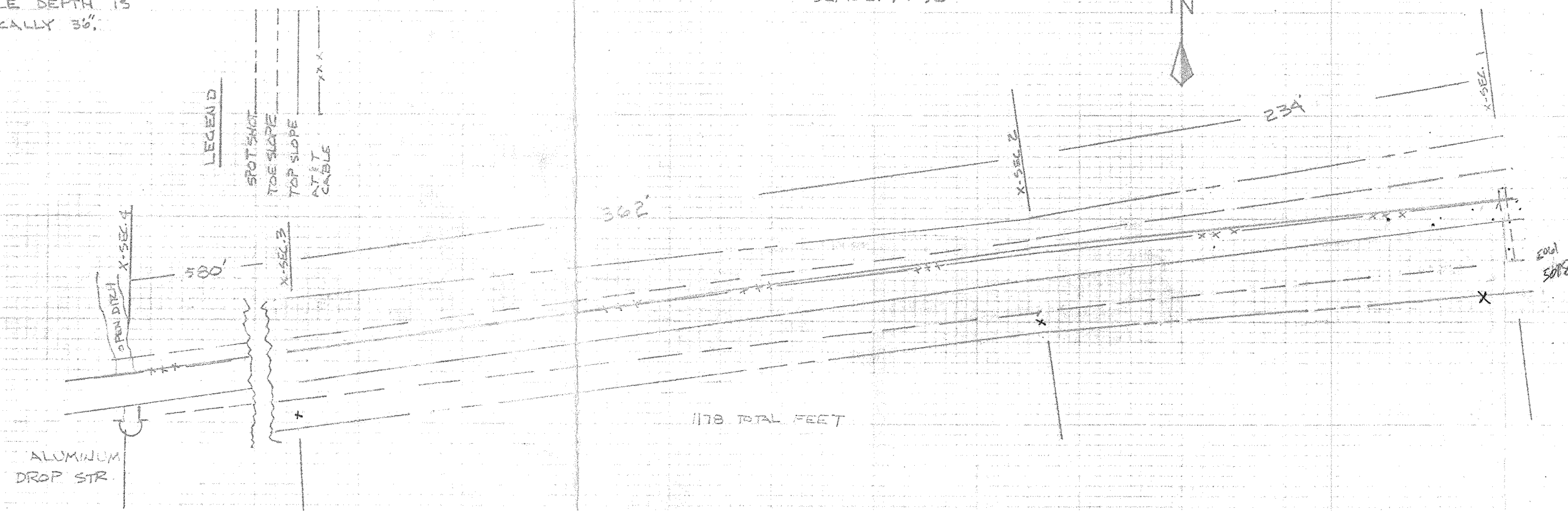

Kenton C. Ward
Hamilton County Surveyor
KCW/no

HENRY PLEW DRAIN

NOTE: CABLE DEPTH IS
TYPICALLY 36"

SCALE: 1" = 50'

11.2.94
J.W.
F.M.



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

Entry Date: 5-26-04

Entered by: [Signature]