



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6112 Ext. 19

Noblesville, Ind. 46060 June 17 1981

TO: Hamilton County Drainage Board

RE: Henry Plew Drain

On June 15, 1981 I made an inspection on the Henry Plew reconstruction by Ron Taylor. At this time I found the job complete except for an animal guard on an extra 8" CMP and seeding of bare areas. Two claims have been submitted for payment. One for \$1239.00 for extra material and work at the headwall and another for \$4845.00 being 85% of the contract. A claim for the extra 8" CMP will be submitted with the retainer upon completion of the job.

KCW/no


Kenton C. Ward—County Surveyor

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

925 Division St.

P.O. Box 279

Noblesville IN 46060

June 11, 1980

Hamilton County Drainage Board
C/O Hamilton County Surveyor
Hamilton County Court House
Noblesville IN 46060

Gentlemen:

Regarding Henry Plew Drain

Background:

The County Surveyor requested design information pertaining to the Henry Plew Drain. This open ditch is located $\frac{1}{4}$ mile north of Hortonville. The main tile outlets on the west side of the Monon Railroad tracks. The open ditch flows east under the tracks and eventually becomes part of Hinkle Creek.

Problem:

At the present time this drain is functional. However, now is the time to correct potential problems. The headwall at the start of the ditch is in poor condition; gullies have formed along the ditch banks; the tile outlets are unprotected from the weather and rodents, and willows and silt bars are choking the channel.

Soils:

Brookston - Brookston silty clay loam, 0-2% slopes, dark colored, very poorly drained.

Shoals - Shoals silt loam, 0-2% slopes, moderately dark colored, somewhat poorly drained.

Solution:

An aluminum headwall structure is needed at the head of the ditch. All tile outlets, including the 15" and 18" tiles at the headwall, must be protected with twenty foot sections of CMP with animal guard. The gullies will be corrected with hooded inlet pipe structures. Channel improvements include; remove tree growth from the bottom and banks, remove silt bars, and seed all disturbed areas.