

Drain: SM SMITH Drain #: 153
Improvement/Arm: RECONSTRUCTION
Operator: J. LIVINGSTON Date: 6-18-04
Drain Classification: Urban/Rural Year Installed: 1982

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 _____

RECONSTRUCTION CONSISTED OF DREDGING
OPEN DITCH AND PLACING VARIOUS
STRUCTURES ALONG OPEN DITCH.



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060 May 7, 1982

TO: Hamilton County Drainage Board

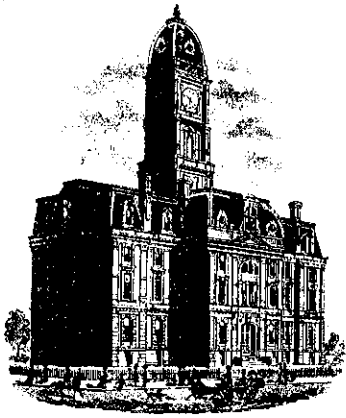
RE: S.M. Smith Drain

Attached are reconstruction plans, drain map, drainage shed map and assessment roll for the S.M. Smith Drain. The cost of the reconstruction is estimated at \$34,796.00. With 1140.86 acres and 10 Lots in the drainage shed the reconstruction cost will be \$27.75 per acre with a \$50.00 minimum. The maintenance cost will be \$2.00 per acre with a \$6.00 minimum.

I believe a hearing for reconstruction and maintenance should be set for 1:30pm, August 2, 1982.

KCW/no


Kenton C. Ward-County Surveyor



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 June 15, 1983

To: Hamilton County Drainage Board

Re: S.M. Smith Drain

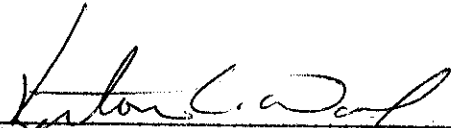
On May 20th, John South and myself made the final inspection on the S.M. Smith Drain. At this time I found it to be complete and acceptable.

Because of changes in the contract the 3 sediment basins were not constructed, 25' of 6" tile was not used and the pipe structures 4, 8, 9 and 10 were revised and only 3 redesigned structures installed. This amounted to deductions in the contract price of \$300.00, \$26.25 and \$294.30 respectively for a total of \$620.55. This revises the contract price to \$22,712.14.

To be added to this are such extra items as fence, outlet pipes, additional tile, Structure 11, and additional stone. These extras amount to \$7547.39. This makes the total contract price \$30,259.53 which is under the estimate of \$34,796.00.

A claim for extra work in the amount of \$3433.32 should be approved at this time. The claim for the 15% retainer, \$4,538.93, will be paid on August 1st.

The contractor has submitted a statement indicating all expenses for material and labor have been paid.


Kenton C. Ward, County Surveyor

KCW/jg

CONSTRUCTION NOTES

A. Dredging

Station	Description
0+00-6+00	Clear the banks Remove obstructions Reslope banks to 2:1 Widen bottom to 5'
6+00-24+00	Major reconstruction Dredge to profile specifications Reslope banks to 2:1 Grade - 0.3% Bottom width - 4'
24+00-26+50	Widen bottom to 4' Reslope banks to 2:1 No dredging
26+50-45+00	Major reconstruction Reslope banks to 2:1 Bottom width - 4' Grade - 0.3% Dredge to profile specifications Heavy clearing Realign channel to eliminate sharp bends and oxbows

The ditch will be worked from the north side.

B. Fence cuts

There are three (3) fence cuts to make. Repair the fence to - good working condition.

C. Clearing

There is some heavy clearing on this ditch. Remove all trees and brush from the banks. Clear necessary trees on the working side. Cut stumps no higher than 6" above the ground. Paint all stumps. Burn and bury all the brush.

D. Armoring the channel

The ditch will be armored at locations to be specified by the project supervisor. Reslope the bank to be armored to three to one (3:1). Place the stone a minimum of 18 inches thick.

Quantity - 50 tons of 7" graded riprap.

4 AREAS PROPOSED

E. Structures

- Str#1 Rock chute, south of ditch @ station 5+00
Nearest TBM#5
- Str#2 Rock chute, north of ditch @ station 15+00
Nearest TBM#5
- Str#3 Rock chute structure, breaks ditch grade, located in the channel
@ station 23+50
Nearest TBM #4
See design sheet for materials
- Str#4 Flared inlet pipe structure, located on the north side
at station 28+00.
Nearest TBM #4
See design sheet for materials
- Str#5 Rock chute, south side of ditch at station 33+00
Outlet the 6" tile beside the structure
20' of 8" CMP with animal guard
25' of 6" plastic tile
see plans for specifications
Nearest TBM #3
- Str#6 Rock chute, breaks grade
Located in the channel at station 34+00
Additional stone has been added to lengthen the entrance apron
for a farm crossing. Remove old pipe
Nearest TBM #3
- Str#7 Rock chute, breaks ditch grade
Located in the channel at sta. 39+50
Nearest TBM #2
- Str#8 Flared inlet pipe structure, located on the north side @ sta. 44+00
Nearest TBM #2
Two surface water pipe are to be installed.
Location Station 37+00 North bank - STL 10
Station 39+00 North bank - STL 9
See design sheets for material and specifications
~~Nearest TBM #3 or TBM #2~~

F. Benchmark descriptions

- TBM #1 Top of culvert, west side of Ditch Road
Sta. 54+00
El. 100.00
- TBM #2 Nail in south side of tree, Ackerson property line, ditch
turns south
Sta. 41+00
El. 95.87
- TBM #3 Nail in north side of tree, 30' north of ditch center line

Sta. 33+00
El. 90.88

TBM #4 Nail in utility pole, 50 feet south of ditch, west side
of Eagletown Road.

Sta. 27+00
El. 90.43

TBM #5 Nail in south side of large tree, south side of ditch,
100' east of Little Eagle Creek Avenue.

Sta. 4+00
El. 74.11

GTE TELEPHONE CABLE ON WEST SIDE OF EAGLETOWN RD