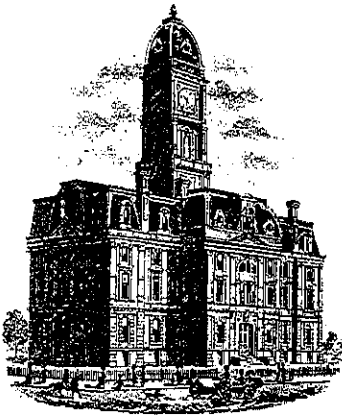


Drain: CHARLES CAYLOR **Drain #:** 204
Improvement/Arm: RECONSTRUCTION
Operator: J. LIVINGSTON **Date:** 11-17-03
Drain Classification: Urban/Rural **Year Installed:** 1980

GIS Drain Input Checklist

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



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060

FILED
June 7, 1986

JUN 9 1986

TO: Hamilton County Drainage Board

RE: Charles Caylor Drain

HAMILTON COUNTY DRAINAGE BOARD
Francis Allen Aldam
SECRETARY

On June 2, 1986, I made the final inspection on the reconstruction of the Charles Caylor Drain as completed by William Noland and Son. At that time I found the work to be complete and acceptable.

The contract has several extras, which were required. These amounted to tile outlet pipes, which are required, additional lengths of tile, rip rap and a sediment basin. (see attached change orders dated 5/17/85 and June 13, 1985) The contract price was \$61,290.34. After \$8398.00 of deletions, the revised contract price is \$52,392.34. With \$9083.92 of extra work, the final cost for the drain is \$61,476.26, the cost for the reconstruction is \$61,476.26, the cost estimate was \$64,877.00.

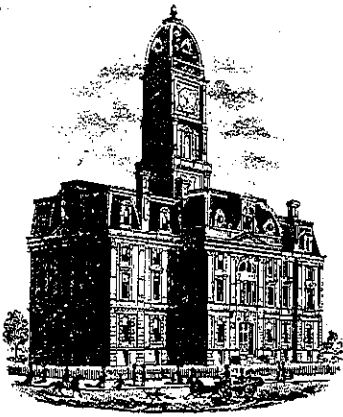
Structures 1,3,4 and 8 were installed as per plans. Structures 2,5, 6, 7 and the four (4) flared inlet structures were deleted from the contract.

A claim for \$43,311.80 has been paid at this time. A claim for the remainder for \$18,164.46 should be paid. A statement for expenses has been submitted by the contractor.

Kenton C. Ward

Kenton C. Ward
Hamilton County Surveyor

KCW/no



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 January 14, 1985

TO: Hamilton County Drainage Board

RE: Charles Caylor Drainage Area

Attached is a schedule of assessments, drain map, drainage shed and plans for the Charles Caylor Drainage Area. This drain is located in Sections 3,4,9,10, 15,16,21,22 and 27, Township 20 North, Range 5 East, all in White River Township. The drain was originally constructed in 1876 as the John W. Bryant Drain. In 1885 the drain was reconstructed as the James Gordon or Long Branch Drain. In 1904 a portion of the open ditch was tiled and dredged as the Charles Caylor Drain. Since that time the drain was reconstructed around 1930 and again in 1950. The drain consists of 20,400 feet of open drain and 17,480 feet of tile drain for a total length of 37,880 feet. The drain is presently number two (2) on the reconstruction classification list.

The attached plan is for a reconstruction of 6,900 feet of the open drain. This will be part A of the project. The cost estimate for this is as follows:

1. Dredge Channel	6900' @ \$2.65/ft		\$18,285.00	
2. Silt traps	3@ \$200/each		600.00	
3. Clearing	2.5 acres @ \$1500/acre		3,750.00	
4. Armoring	68 tons @ \$15.00/ton		1,020.00	
5. Tile pipes 20' section with animal guard				
Size	Known Quantity	Estimated	Cost/pipe	
6"	3	3	\$100.00	\$600.00
8"	4	5	\$150.00	1,350.00
10"	4	2	\$170.00	1,020.00
12"	1	-	\$230.00	230.00
15"	1	-	\$280.00	280.00
24"	1	-	\$480.00	480.00
30"	1	-	\$600.00	600.00

6. Structures

Type	Quantity	Cost/each	
50', 12" flared inlet	4 est.	\$1000.00	\$4,000.00
Str. #1,6,7	3	\$1400.00	\$4,200.00
Str. #2,3,5	3	\$1000.00	\$3,000.00

Str. #4	1	\$1550.00	\$1,550.00
Str. #8	1	\$2550.00	\$3,500.00
7. Seeding	7.0 acres @ \$450.00/acre		\$3,150.00
		Sub Total	\$47,615.00
		10% Cont.	<u>4,762.00</u>
		Total	\$52,377.00

Part B of the project will be the clearing and snagging the remaining portion of the drain. This work will begin on the Margaret Newby property and run South along the open ditch to the South line of the Lacy A. House property. This will cover approximately 13,500 feet of open ditch and clear 5.0 acres of brush. The work will consist of removing all obstructions in the open ditch; clearing all trees and brush on the side slopes and in the ditch bottom; removing all trees and brush under 12" from the top of the slope back ten (10) feet on the opposite side and twenty-five (25) feet on the operation side of the drain. The estimate for this work is \$10,000.00 for clearing. Also, seeding bare areas, approximately 5.0 acres, should be done. The estimate for this is \$2,500.00. The total estimate is \$12,500.00. Future work such as straightening and ripraping can be done at a later time under maintenance.

I recommend that the drain be placed on maintenance as a drainage area. Therefore, the W.S. Carrick, Sarah Dientz and Henry Beck Drains would be included in the maintenance program.

The Henry Beck Drain was constructed in 1902 and consists of 4,683 feet of tile drain. The tile is not presently on a maintenance program and appears to be in good condition.

The W.S. Carrick Drain was constructed in 1902 and consists of 9138 feet of tile drain. This drain was placed on a maintenance program in 1969 and assessed \$.50 per acre. In 1984 the Board increased the assessment to \$2.00 per acre beginning in 1985. This was done to pay off a minus balance in the account. Presently this negative balance is \$240.64. The '85 assessment should amount to \$731.60 which will pay the debt and allow for a balance of \$409.96 in the Carrick account. I recommend that the Carrick assessment be dropped after the '85 collection. At this time there are no work order requests pending for the Carrick Drain.

The Sarah Dientz Drain was constructed in 1883 and consists of 5830 feet of open and 3300 feet of tile for a total of 9,130 feet. This drain was reconstructed and placed on maintenance at \$1.00 per acre in 1976. In 1984 the maintenance assessment was increased to \$2.00 per acre beginning

in 1985. This was done to pay off a minus balance in the drain's account, which at this time is \$1,782.84. The \$2.00 per acre assessment should be collected in 1985. At this time there are no work order requests on the drain pending. The account should have a \$274.76 balance after the 1985 collections.

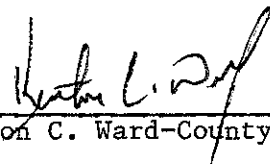
I have considered the benefits to each parcel individually in determining the maintenance assessment. Upon doing so I believe that each parcel will benefit equally and therefore, should be charged the same. I recommend a maintenance assessment of \$2.00 per acre and \$10.00 minimum. With 2906.565 acres in the drainage shed, the yearly collection will be ~~\$5835.42~~ ^{\$6100.97}

The reconstruction benefits for Part B of the project have been considered for each parcel individually. Upon doing so I believe the parcels in the entire drainage shed will benefit equally from the work done as Part B. With 2906.565 acres in the shed and \$12500.00 as the cost for Part B, the cost per acre will be \$4.30. The cost per acre for parcels in Area B will be \$4.30 with a \$10.00 minimum. This \$4.30 cost per acre shall be added to the cost per acre of Area A also.

The reconstruction benefits for Part A of the project have been considered for each parcel individually. Upon doing so I believe the parcels in Area A will benefit equally from the work done as Part A. With 1877.32 acres in the drainage shed for Area A and \$52,377.00 estimated for Part A the cost per acre will be \$27.90. Adding \$4.30 per acre for work done in Part B the total cost per acre for Area A will be \$32.20 with a \$65.00 minimum.

I recommend a reconstruction and maintenance hearing for the Charles Caylor Drainage Area be held on March 11, 1985.

KCW/no

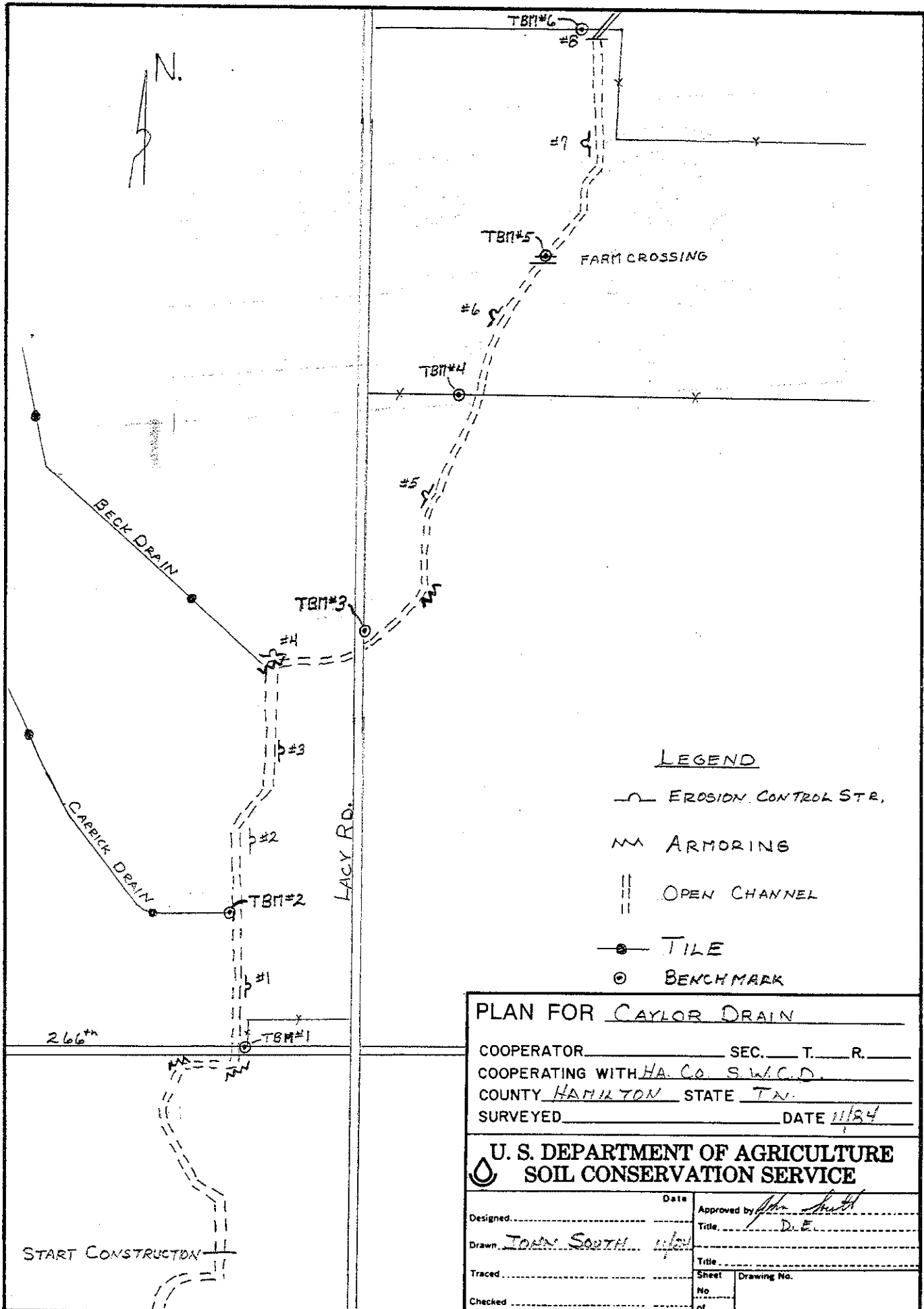

Kenton C. Ward—County Surveyor

Filed

January 14, 1985

Hamilton County Drainage Board
Nancy Allen Alderson - Secretary

Part A



LEGEND

- EROSION CONTROL STR.
- ARMORING
- OPEN CHANNEL
- TILE
- BENCHMARK

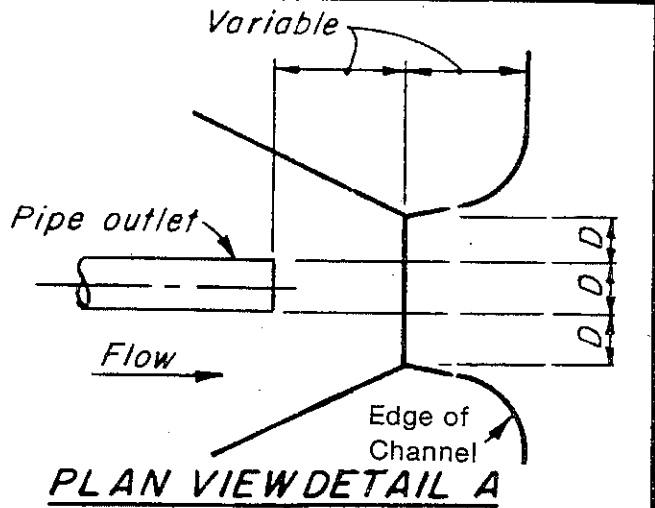
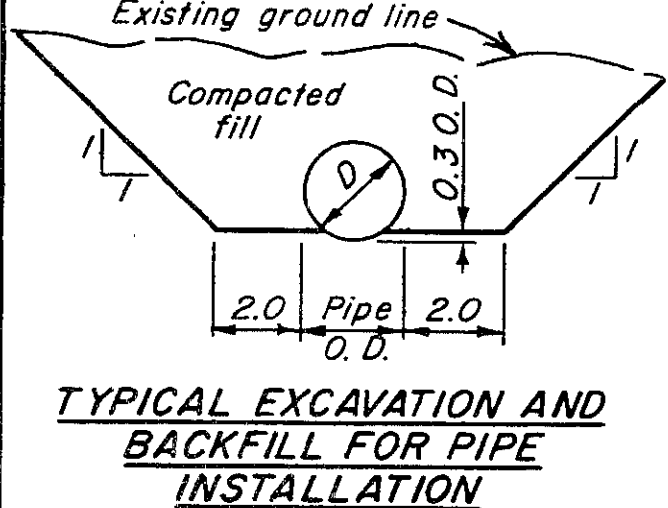
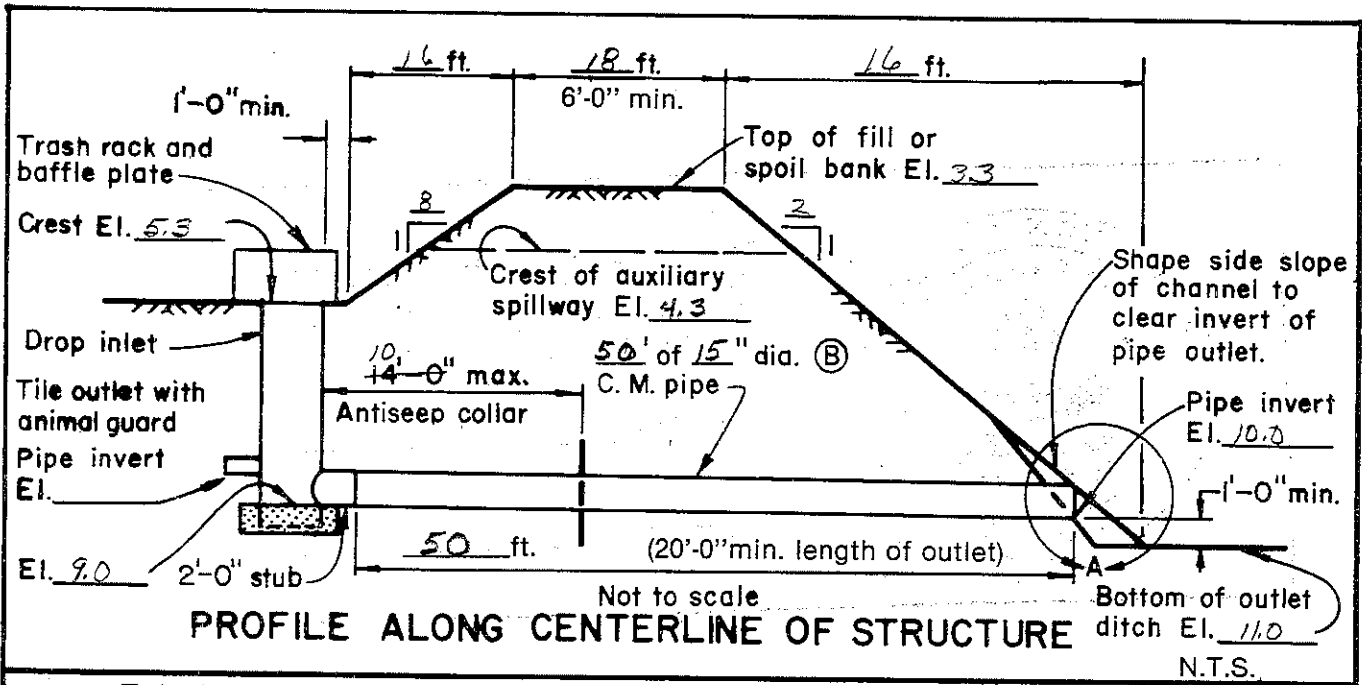
PLAN FOR CAYLOR DRAIN

COOPERATOR _____ SEC. _____ T. _____ R. _____
 COOPERATING WITH HA. Co. S.W.C.D.
 COUNTY HAMILTON STATE TN.
 SURVEYED _____ DATE 11/84

U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed.....	Date.....	Approved by <u>[Signature]</u>
Drawn <u>JOHN SOUTH</u>	<u>1/84</u>	Title <u>D.E.</u>
Traced.....	Sheet.....	Drawing No.
Checked.....	No.	of

START CONSTRUCTION



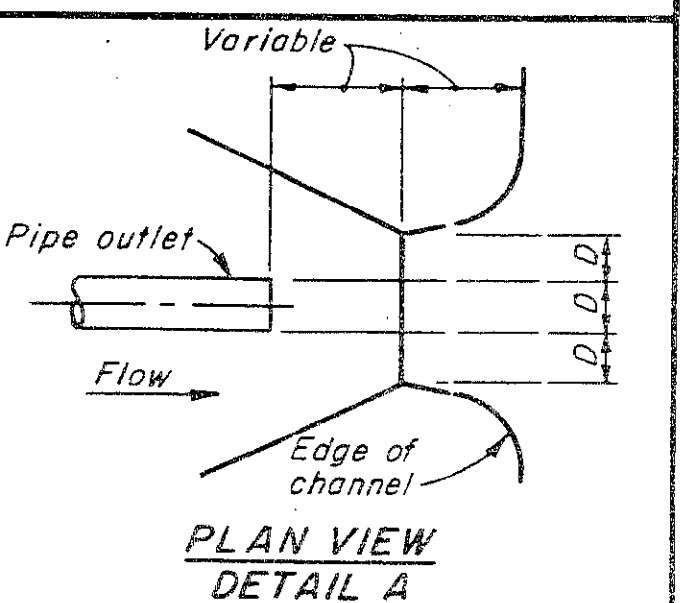
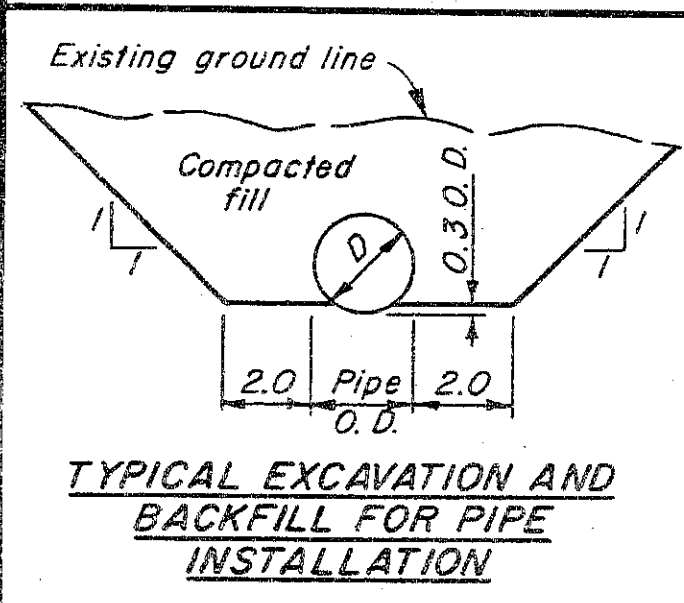
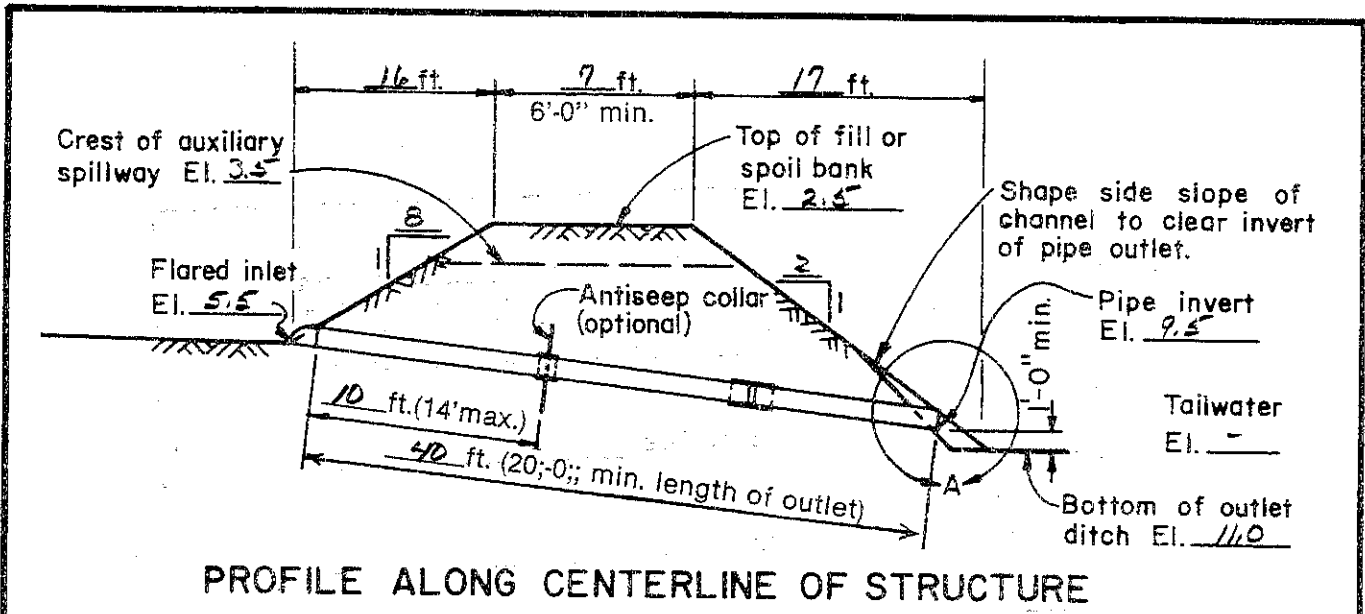
ESTIMATE OF MATERIALS	
ITEM	QUANTITY
Clearing	Acres
Excavation	Cu. yd.
Earth fill	Cu. yd.
Pipe 15 inch diameter (B), C.M. metal thickness 0.06" (16 ga.)	50 Lin. ft.
Riser 21 inch diameter (A), C.M. metal thickness 0.06" (16 ga.) (B)	4.8 Lin. ft.
Tile stub inch diameter	2-0 Lin. ft.
Animal guard	Each
Baffle plate 2'x4'	1 Each
Trash rack	Each
Antiseep collar	1 Each
Concrete	1 Cu. yd.
Seeding and mulching	Acres
Fencing	Lin. ft.

SOIL INVESTIGATION REPORT		
LOCATION OF BORINGS	DEPTH FEET	UNIFIED SOIL CLASSIFICATION

CORRUGATED METAL PIPE CONDUIT WITH DROP INLET
 NAME CHARLES CAYLOR DRAIN STR# 1

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed JOHN SOUTH Date 11/84 Approved by [Signature]
 Title P.E.
 Drawn Title
 Checked Sheet
 Reviewed [Signature] No. 1
 Of 2



ESTIMATE OF MATERIALS

ITEM	QUANTITY
Clearing	Acres
Excavation	Cu. yd.
Earth fill	Cu. yd.
Pipe, 12 inch diameter, C.M.P., metal thickness 0.06" (16 ga.) with connections	40 Lin. ft.
Flared inlet section 12 inch diameter	1 Each
Antiseep collar 4' x 4'	1 Each
Seeding and mulching	0.1 Acres
Fencing	Lin. ft.

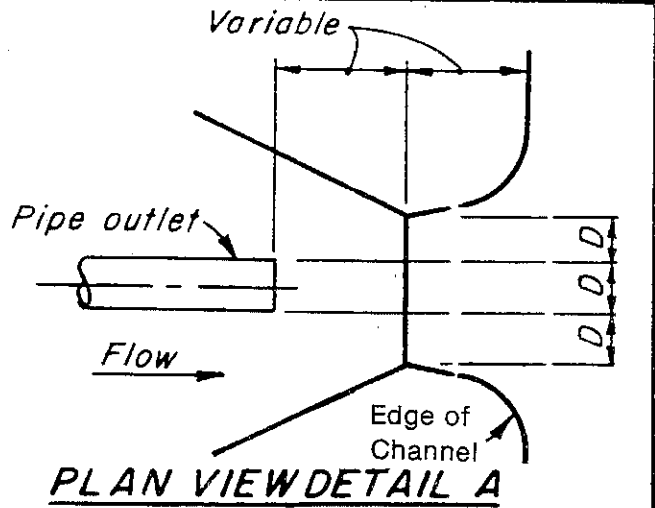
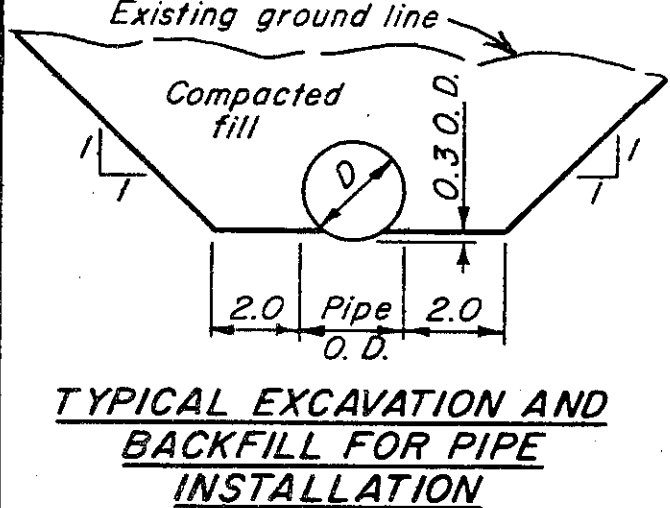
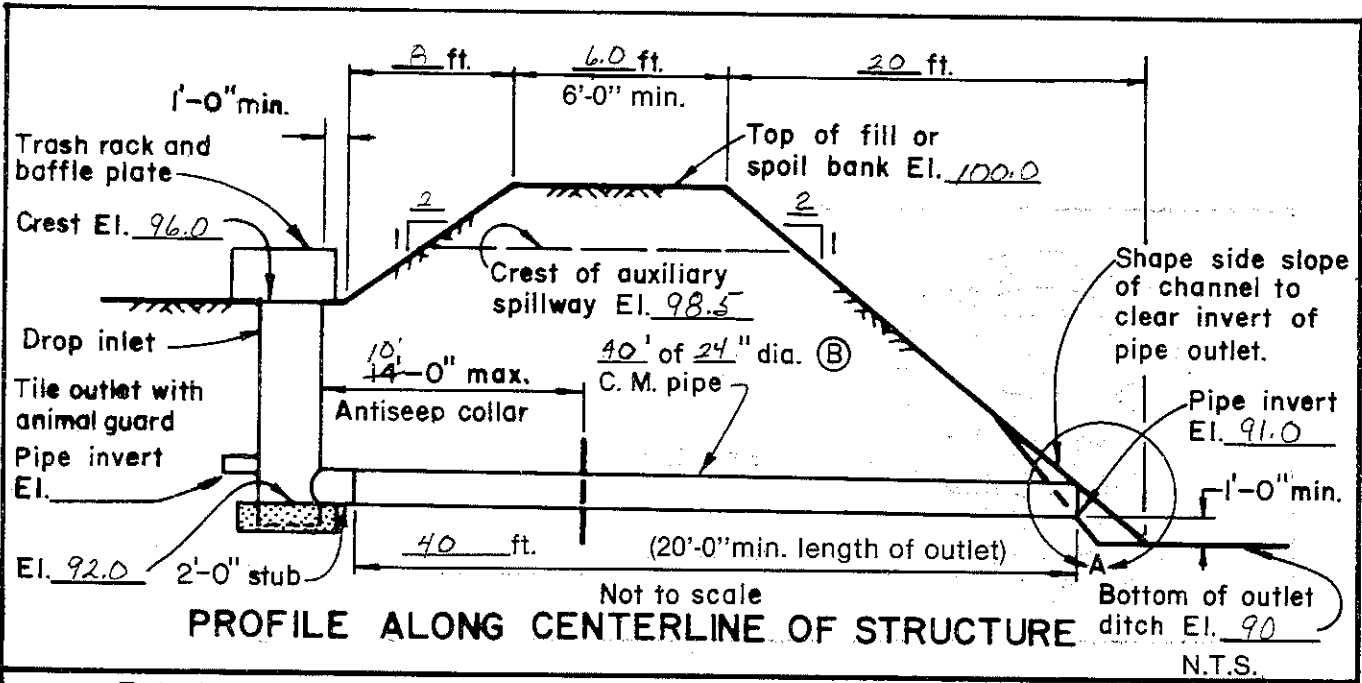
SOILS INVESTIGATION REPORT

LOCATION OF BORINGS	DEPTH FEET	UNIFIED SOIL CLASSIFICATION

CORRUGATED METAL PIPE CONDUIT WITH FLARED INLET
 NAME CHARLES CAYLOR DRAIN STR # 3

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

Designed by <u>J. S. SMITH</u>	Date <u>11/84</u>	Approved by <u>[Signature]</u>
Drawn		Title <u>R.E.</u>
Checked		Title
Reviewed by <u>[Signature]</u>		Sheet
		Drawing No.
		No. Of



ESTIMATE OF MATERIALS

ITEM	QUANTITY
Clearing	0.1 Acres
Excavation	- Cu.yd.
Earth fill	- Cu.yd.
Pipe 24 inch diameter (B), C.M. metal thickness 0.06" (16 ga.)	40 Lin.ft.
Riser 30 inch diameter (A), C.M. metal thickness 0.06" (16 ga.)	5.1 Lin.ft.
Tile stub - inch diameter	2-0 Lin.ft.
Animal guard	- Each
Baffle plate	1 Each
Trash rack	- Each
Antiseep collar 5'x5'	1 Each
Concrete	1.0 Cu.yd.
Seeding and mulching	0.1 Acres
Fencing	- Lin.ft.

SOIL INVESTIGATION REPORT

LOCATION OF BORINGS	DEPTH FEET	UNIFIED SOIL CLASSIFICATION

CORRUGATED METAL PIPE CONDUIT WITH DROP INLET
 NAME CHARLES CARLOR DRAIN STR#4

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

Designed J. South Date 11/84 Approved by J. South
 Title D.E.
 Drawn
 Title
 Checked
 Sheet
 Reviewed J. South Date 11/84 No.
 Or.

