

TO: Hamilton County Drainage Board

RE: Lamplighter Drain

Attached is a petition, plans, drainage shed map and assessment schedule for the Lamplighter Drain. I have reviewed the submittals and petition and have found each to be in proper form.

The schedule of assessments shows the name and address of each owner, the legal description parcel number, as shown by the tax duplicate or record of transfers by the County Auditor wherein the land is situated, which lands, in my opinion, will be affected by the proposed improvement and the public roads or highway owned by the County or by the State of Indiana by name or number and the Right of Ways of railroads by section, township and range.

I have reviewed the submittals and petition which was referred to me on October 19, 1992 and have found each to be in proper form. I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefitted.

The plan developed by the SCS office addresses two problem areas. The main area addressed is the poor drainage situation in the Lamplighter and Williams Subdivisions the second is related to the flooding of the VanZant property along State Road 19. The plan addresses both the surface water and the subsurface water. Surface water will be intercepted and collected so as to prevent drainage running into the Lamplighter Addition from the North. Also, surface water which now ponds along both sides of State Road 19 will be provided an outlet to White River. Subsurface will be addressed by the installation of subsurface tiles which will draw down what is now a high water table within the Lamplighter and Williams Subdivisions and surrounding tracts.

The plan calls for the main tile system to begin at a point along the North line of Lot 11 of the Lamplighter Subdivision. Then run East along the North line of the Lamplighter Subdivision on the Heppner Property (06-24-00-00-011.0000, 20 acres) to the North East corner of the subdivision; Thence South along the East line of Lot 20, of the Lamplighter Subdivision on the Bailey and Haskett properties to a point near the North West corner of the Thomas property; Thence East across the North line of the Thomas property to the East R/W line of State Road 19. Thence South along the East R/W/ line of State Road 19, 15 feet inside of the McMahon property to the Southwest corner of the McMahon property at which point the drain will turn East and run 15 feet North along the South line of the McMahon property to White River.

Lateral A will run North from STA 24+10 of the main line and run 750 feet along and within the East property line of Edens.

Lateral B will run South from STA 22+00 of the main line 390 feet to 196th Street

Lateral C will run West from STA of the main line and run 800 feet between the lots of the Lamplighter subdivision and the Williams subdivision.

The cost estimate for this work is as follows:

1.	Clearing	0.2ac	\$2000.00	\$ 400.00
	15" PolethyIene	100LF	25.00	2500.00
2			35.00	35.00
3.	15" Animal Guard	1each		
4.	18" Concrete Tile	960LF	18.00	17280.00
5.	15" Concrete Tile	1150LF	13.00	14950.00
6.	15" Road Bore	100LF	90.00	9000.00
7.	12" Concrete Tile	800LF	11.00	8800.00
	10" Concrete Tile	390LF	10.00	3900.00
8.			8.00	4640.00
9.	8" HD Plastic Tile	580LF		
10.	6" HD Plastic Tile	1320LF	7.00	9240.00
11.	#8 Gravel	80CY	13.00	1040.00
	Tile Risers	7 each	150.00	1050.00
12.			3.00	1500.00
13.	Construct Swale	500LF		
14.	8" Road Bore	40LF	55.00	2200.00

15. 16. 17. 18. 19. 20.	2 Each 1 Each 1 LS 1.5ac 50 FT 1 Each	30.00 30.00 5645.00 3600.00 30.00 850.00 Subtotal	60.00 30.00 5645.00 5400.00 1500.00 850.00 90020.00
	Constr Damage	10% Cont. ruction Total es	9002.00 99022.00 5290.00

TOTAL 104,312.00

The above costs include road <u>cuts for LaVonne and a bore</u> under State Road 19. The schedule of assessments show not only the per acre assessment for the County Highway and State Highway but also the cost of the road cut and bore. This cost amounts to \$2350.00 for the County Highway Department and \$9000.00 for the State Highway.

The remaining cost is \$87,672.00 to be assessed against the drainage shed which consists of a total of 78.16 acres.

I have reviewed the plans and drainage shed and believe the proposed drain will provide greater benefit to those Tracts West of State Road 19 and North of 191st Street. This included the lot owners in the Lamplighter and Williams Subdivisions and those lot owners along State Road 19. I further believe that each tract within this area will be benefited equally. I recommend that those owners be assessed at a rate of \$1740.00 per tract. I do not believe any damages will result by the construction of the drainage system in this area.

The owners of those tracts South of 196st Street and East of State Road 19 are benefited equally. I believe that the assessment for these tracts be set at a rate established by taking the cost of the system between White River and State Road 19 (\$35,920.) and dividing it by the total number of acres within the drainage shed (78.16). The rate for this area would then be established at \$460.00 per acre. Damages for this section includes the McMahon property. Damages for tract 07-19-00-00-027.000 should be set at \$1150.00 and the damages for tract 07-30-00-00-001.000 should be set at \$4140.00 I recommend the assessment for the Indiana Department of Transportation and the Hamilton County Highway be set at \$500.00 per acre. I do not believe damages to either of the road departments will result from the construction of this drainage system.

I believe this proposed drain meets the requirements for classification as an Urban Drain under IC 36-9-27-67. Therefore, I recommend such classification.

I recommend the Board set the following as the easement for the drain.

1. Drain line East of State Road 19 be seventy-five feet each side of center line.

2. Mainline and Lateral A located within the Heppner property be seventy-five (75') feet West and North of the center line, and extend to the Heppner property line South and East of the property line. Further, those properties located adjacent to the Heppner property line should have the following easements:

- A. Fifteen (15') feet off the North line of Lots 11 through 20 of the Lamplighter Subdivision.
- B. Fifteen (15') feet off the West line of the following Tracts 06-24-04-04-014; 014; 015; 016; 017; 018;019
- C. Fifteen (15') feet off the West and South line of Tract 06-24-04-04-020. Also, 15' off the West and North line of Tract 06-24-04-04-021.
- D. Fifteen (15') feet off the West line of Tracts 06-24-04-04-022 and 023.
- E. Fifteen (15') feet off the East side of Lots 1 and 20 in the Lamplighter Subdivision and Lot 1 of the Williams Subdivision.
- F. Fifteen (15') feet off the South line of Lots 1 through 10 of the Lamplighter Subdivision
- G. Fifteen (15') feet off the North line of Lots 1 through 8 of the Williams Subdivision.

Any existing encroachments into the above easements will be grandfathered. Additional temporary construction easements may also be required. Upon review of the plans I believe the drain will benefit each tract equally for maintenance purposes. Therefore, I recommend each tract be assessed equally. I recommend a maintenance assessment of \$2.00 per acre, with a \$30.00 minimum. With this assessment the total assessment for the drain this section will be \$1710.00.

The maintenance work required for the said tile drain includes the repairing of tile, structure, maintaining the outlet and any other work necessary which will keep the tile in proper working order as and when needed.

Kenton C. Ward Hamilton County Surveyor

KCW/no



SECRETARY

IN THE MATTER OF THE LAMPLIGHTER HAMIDER EQUINTY DRAINAGE BOARD

Comes now the undersigned landowners of Hamilton County, who petition the Hamilton County Drainage Board as follows:

- 1. They are the owners of a least 10% or more in acreage within the drainage shed of the proposed drain.
- 2. That they are the owners of the lands described.
- 3. That they now desire that a regulated drain be established in Norman Township.
- 4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section(s) 24, township 19 north, range 4 east, Hamilton County, Indiana.
- 5. No other public lands or owners are located in the area which would affect improvement.
- 6. That the general route of the proposed drain is shown in the attached plan which is marked Exhibit "B" and made a part hereof.
- 7. That in the opinion of the Petitioner, the costs, damages, and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land to be benefited thereby.
- 8. That in the opinion of Petitioner, the proposed improvement will benefit a public highway in Hamilton County, Indiana, improve the public health and be of public utility.
- 9. That Petitioners shall pay the cost of notice and all legal costs if the Petition is dismissed.
- 10. Petitioner shall post a bond, if required, to pay the cost of notice and all legal costs in the case the improvement is not established.

Signature	Printed Name	Printed Address
alunda & Edens	Alinda Edens	8612 E. 196 St.
Jim Hasheld	TIM HASKETT	2111 N CICERO RD.
Mutal A. White	MICHAEL A. WHITE	8622 E. 1967 ST.
Dan & Thomas	DAN R. THOMAS	8670 LUMAN DR.
Ronald E Gentry	RONALD E GENTRY:	:: 8650 LUANN Dr
Victor & Harber	VICTOR E. HARBER	8675 WHANN PR.
Koyk. Billiogen	Roy K. B. TTINGER	8750 E 196 ST
Philip H. Shelby	Start Philip H. Shelb	4 8710 Lucan
Julia a Bailey	Julia A BA. ley	2123 Ciceko Rd
Genald & Patricia Buing	lord GERALD SWINFOR	
Michael & Cyinchia wi	LE MICHAEL M. WIRE	Home - 11428 = 1967h St (Property Affected) 2033 Cicero Rdi
Jospon Miller Soul	un Jo Lynn Sowe	VS. 1811 Cicero Rd.
	1	

IN THE MATTER OF THE LAMPLIGHTER DRAIN

Comes now the undersigned landowners of Hamilton County, who petition the Hamilton County Drainage Board as follows:

- 1. They are the owners of a least 10% or more in acreage within the drainage shed of the proposed drain.
- 2. That they are the owners of the lands described.
- 3. That they now desire that a regulated drain be established in <u>N'</u> Township.
- 4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section(s) \_\_\_\_\_, township \_\_\_ north, range \_\_ east, Hamilton County, Indiana.
- 5. No other public lands or owners are located in the area which would affect improvement.
- 6. That the general route of the proposed drain is shown in the attached plan which is marked Exhibit "B" and made a part hereof.
- 7. That in the opinion of the Petitioner, the costs, damages, and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land to be benefited thereby.
- 8. That in the opinion of Petitioner, the proposed improvement will benefit a public highway in Hamilton County, Indiana, improve the public health and be of public utility.
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	23.	
Signature	Printed Name	Printed Address
X Joan P. Woloshin	Joan R. Woloshin	8688 E. 196th At.
mr. mr. Slandliggenfect	L. GLEN HIGGINDSTHAM	8750 Julann Dy.
1 Mr. + Mrs Oscad Simm	amon OSSAR& Hisper &	8730 Ruann Dr.
x Stenfor Kindall	SHERRYL C. KENDALL	8730 Kuann Dr. KIN IN AMAN 8725 LUANN DR.
Mampan Burn	Mile Buris	8655 JU ANN DR.
	GLENN L. RUSSEL	1
James + Patricia Huff	man Jim + PATRICIA HOFFM	AN 8630 LUANN
Homa Rich	THOMAS RICH	8615 LVANN DK
Juanita Mosles	JUANITA Noshe	R 8690LUANNST,
Hyllis Mouris	Phyllis MORRIS	8610 LUANN DR.
	JAMES BOWMAN	
	Y 8	

IN THE MATTER OF THE LAMPLIGHTER DRAIN

Comes now the undersigned landowners of Hamilton County, who petition the Hamilton County Drainage Board as follows:

- 1. They are the owners of a least 10% or more in acreage within the drainage shed of the proposed drain.
- 2. That they are the owners of the lands described.

76%

- 3. That they now desire that a regulated drain be established in *township*.
- 4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section(s) \_\_\_\_\_, township \_\_\_\_ north, range \_\_\_\_\_ east, Hamilton County, Indiana.
- 5. No other public lands or owners are located in the area which would affect improvement.
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- 9. That Petitioners shall pay the cost of notice and all legal costs if the Petition is dismissed.
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Signature Printed Name Printed Address 1933 Cicerof UEIS 1. 1865 Cicero Rd. 1504 CICCEO RD ehrd o OPSI 1977 Betty S. Van Winkle 8635 Lugan St. PELC JONGS 8 755 UAWW RELL JONES VIC TORY IOND E. JONES BOARD NEMBE Hancack MR. MRS DAILAS HANCOCK 8740 Luann St. MRS Stanley N. Horn Tom

## Gasb 34 Footages for Historical Cost Drain Length Log

					If App	licable
Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
550-Plastic	"ما	570'	570'			•
	8"	570' 590'	590'			
Concrete Tile	10"	393'	393'			
	12"	588'	588'			
	15"	1135'	1135′			
	18"	880'	1135' 880'			
		2				
STEEL CASING PIR	8"	501	50'			
	1611	90'	96'			
	20"	110'	110'			
	Sum:	4406	4406			

Drain-Improvement: Lamplighter

Final Report: 4406

Comments:

This is a correction to the work done by woolpert. Asbuilts found's entered 7-20-05. (SLM)



TO: Hamilton County Drainage Board

RE: Lamplighter Drain

I recently found that the final report for the Drain had not been submitted.

During construction, changes were made to the drain which will alter the plans submitted with my report for this drain dated April 2, 1993. The changes are as follows: Change order #1 was the installation of 4156 feet of utility marking tape with a total cost of \$623.40. Change order #2 was the alteration of STR #1 to its outlet at White River. This was Hoosier Pride Excavating Inc.'s option #1. The total cost of this change order was \$10,450.00. Change order #3 was the deletion of the animal guard with a total reduction of cost being \$30.00. Change order #4 totaled \$1961.75 and was for septic finger repairs. In the April 2, 1993 report the total estimated cost was listed at \$104,312.00. That estimate was reduced in the June 23, 1993 admendment to the original report. In light of that admendment, the estimate was reduced by \$5250.00. This brought the total estimated cost as of June 23, 1993 to \$99,062.00. The project was contracted to Hoosier Pride Excavating Inc. with a bid of \$85,279.50. The total final cost of the reconstruction was \$83,039.30. This made the project \$2240.20 under bid.

The length of the drain due to the changes described above is now 4406 feet.

The payments to the Contractor are as follows: Claim #1 April 4, 1994 \$23,650.06

Claim #2 May 6, 1994 \$35,575.86

Claim #3 September 14, 1994 \$23,813.38

The Board should approve the claims and accept the work as complete.

C. Ward

Kenton C. Ward Namilton County Surveyor

No Scale

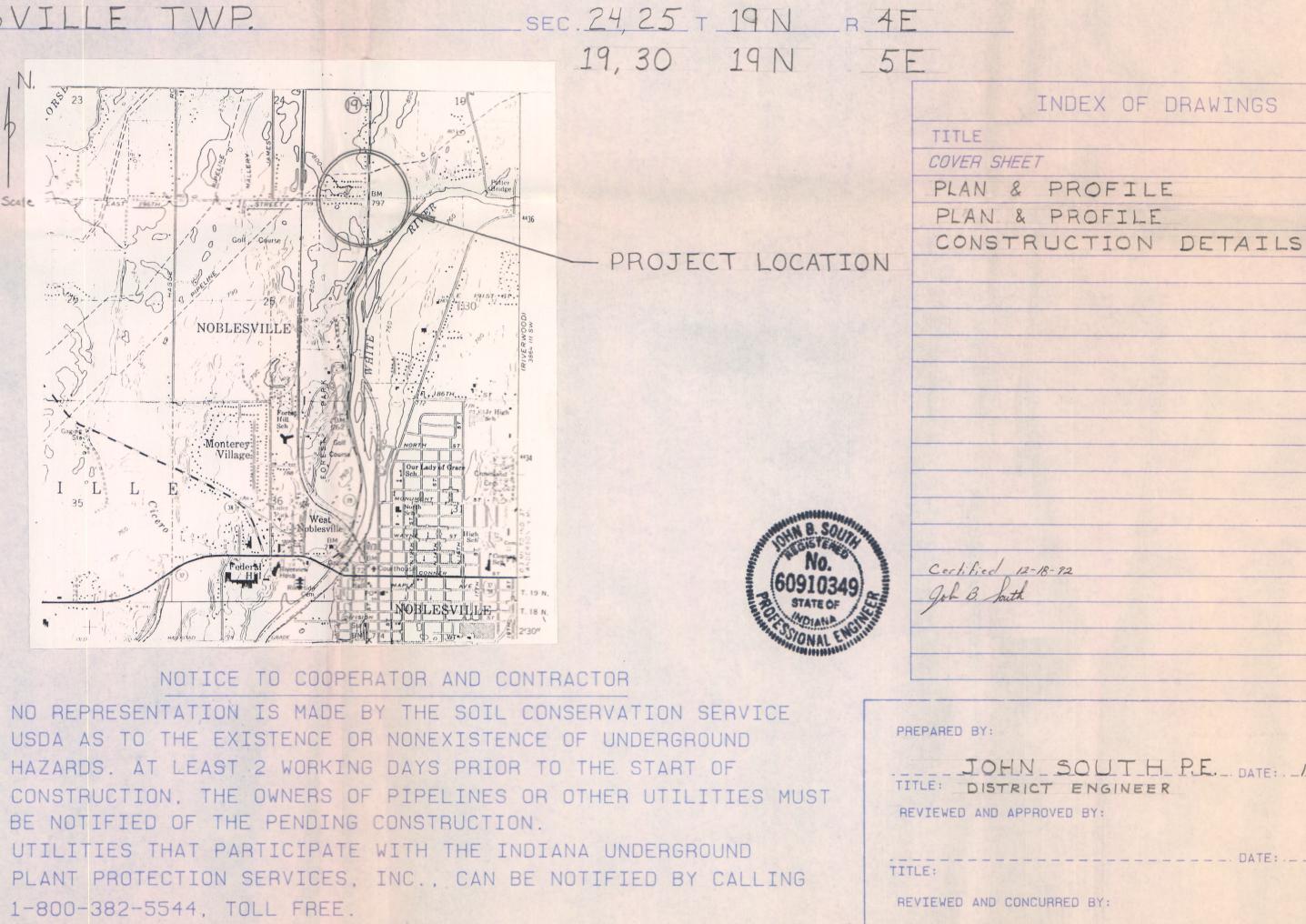
(PRACTICE)	LAMPLIGHTE
(COOPERATOR)	c/o KENTON h
(LOCATION)	NOBLESVILL

CONSTRUCTION DAT	4	
LAYOUT BY:		
	_ DATE	19
CONTRACTOR NAME AND ADDRESS:	_ DATE	15
		A CONTRACT
CONSTRUCTION COMPLETED:		19
Practice (does) (does not) meet standar	ds and spec	ifications.
	DATE	19
TITLE:		
AS-BUILT DRAWINGS:		
No Doll' Diminino		-
SUBMITTED BY:		
TITLE:		
REVIEWED AND APPROVED BY:		
		S. Marriela M
TITLE:	DATE:	19

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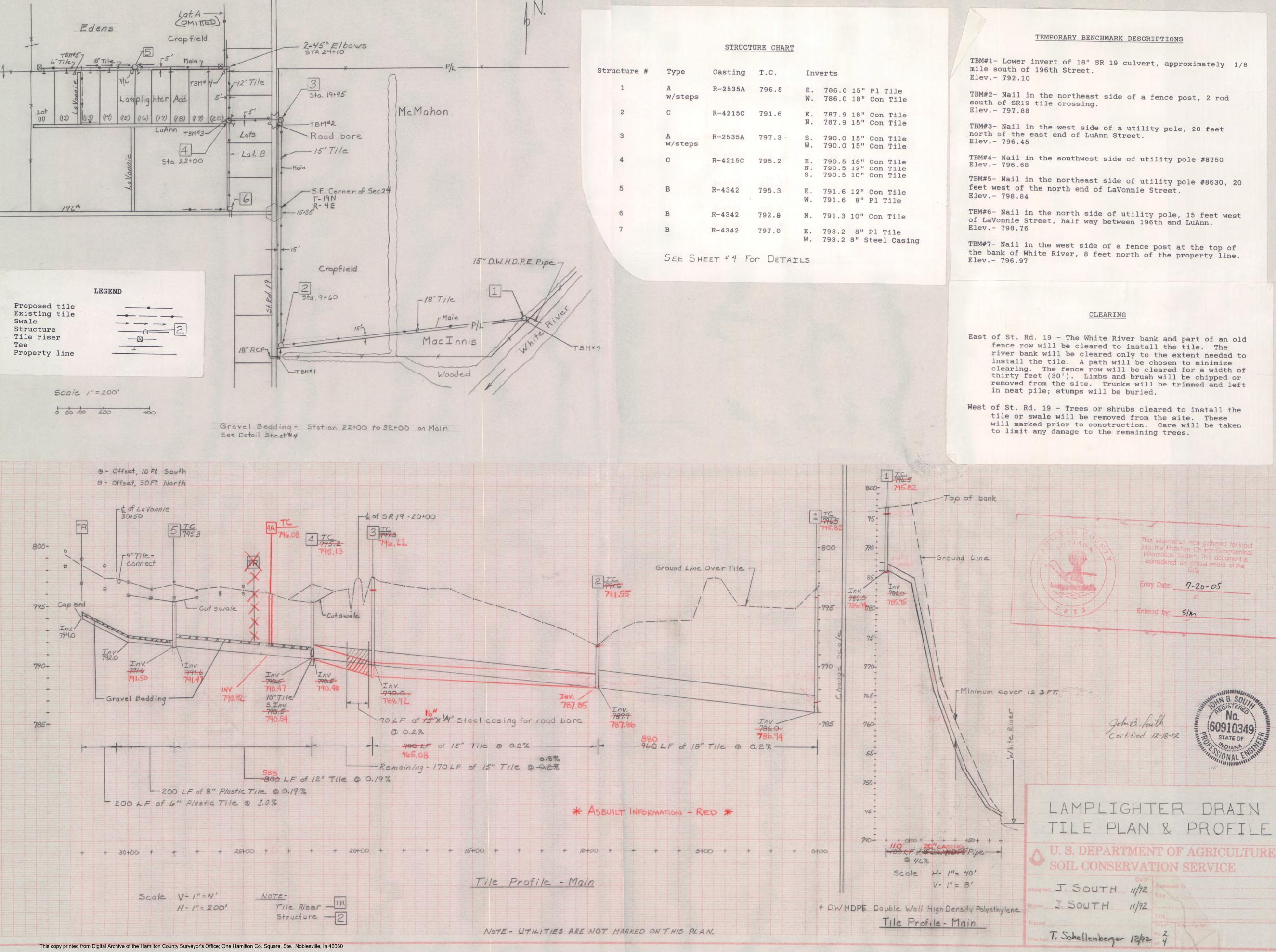


# U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE IN COOPERATION WITH HAMILTON COUNTY SOIL AND WATER CONSERVATION DISTRICT INDIANA DETAIL PLANS FOR R DRAIN JARD, SURVEYOR

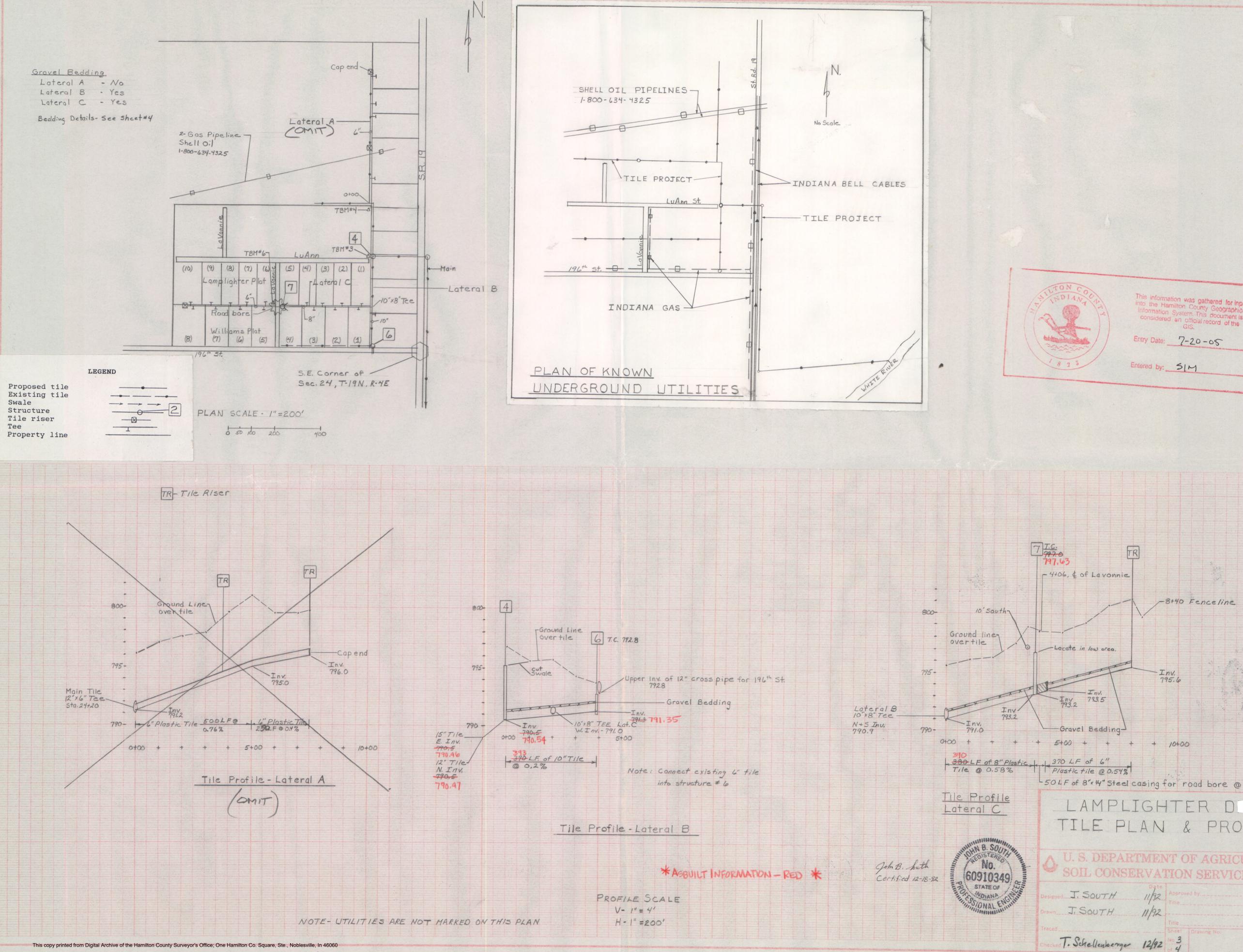


SHEET 1 OF \_4\_\_

SHEET NO 1 2 3 4 TITLE: DISTRICT ENGINEER \_\_\_\_ DATE: .\_\_\_\_ 19.\_\_\_ Thomas L. Schelleuberger \_\_ DATE: 12-17 \_\_ 19.92\_ DISTRICT CONSERVATIONIST IN-ENG-57N (2-92)



Struc	cture #	Туре	Casting	T.C.	Inve	erts		
	1	A w/steps	R-2535A	796.5	E. W.			Pl Tile Con Tile
	2	С	R-4215C	791.6	E. N.			Con Tile Con Tile
	3	A w/steps	R-2535A	797.3 -	s. W.			Con Tile Con Tile
	4	С	R-4215C	795.2	E. N. S.		12"	Con Tile Con Tile Con Tile
	5	В	R-4342	795.3	E. W.	791.6 791.6		Con Tile Pl Tile
	6	В	R-4342	792.8	N.	791.3	10"	Con Tile
	7	В	R-4342	797.0	E. W.			Pl Tile teel Casing



### TILE INSTALLATION AND MAINTENANCE SPECIFICATIONS

Trenching. Trench widths must be adequate for proper installation of the conduit; must allow proper joining of sections; and must allow proper placement of filter, envelope, or blinding materials.

The trench width will allow a minimum of 3 to 6 inches on both sides of the tile. The trench bottom shall be constructed to proper grade and shape before placement of the tile.

Where rock is encountered the trench will be over excavated a minimum of 6 inches and refilled to grade with a suitable bedding material.

Provisions for safety during trenching operations shall be in compliance with the applicable safety and health regulations for construction.

Bedding. If unstable soil conditions are encountered, the trench bottom must be stabilized before placement of the tile. Where necessary, the unstable material will be removed and replaced with sand-gravel or a similar material. Where an envelope is not specified, the bottom of the trench shall be shaped to ensure good alignment of the tile.

Filters and envelopes. If a sandgravel filter is specified, it shall be clean, hard, durable material and of the gradation specified.

Placement. All conduits shall be laid to line and grade and covered with the specified blinding, envelope, or filter material to a depth of not less than 3 inches around the tile. Blinding material shall contain no hard objects larger than 1.5 inches in diameter. Unless otherwise specified, topsoil will used to blind the tile.

Joints between drain tile shall not exceed 1/8 inch except in sandy soils, where the closest possible fit must be obtained, and in organic soils where some of the fibrous types make it desirable to slightly increase the space between tile.

Construction tolerances. The following guidelines for subsurface drain construction:

Flowline or grade +- 0.1 foot There will be no reverse grades.

Backfill. Backfill will be placed in such a manner as to avoid displacement of the conduit. Backfill should be moved into the trench at an angle so that material flows down the front slope of previously placed material. Backfill shall not contain frozen material, stones, clods, or other objects large enough to damage the tile.

Finish. Work areas shall be restored to their former condition as much as possible. Vegetation or other protective cover shall be established promptly.

n as possible fiter blinding 3

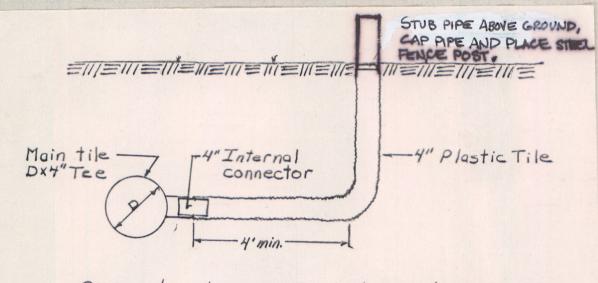
Maintenance. A maintenance program shall be established by the landowner/user to maintain the functional capacity of the drain tile. Items to consider are:

1. Keep inlets, trash guards, collection boxes and structures clean and free of materials that can reduce the flow.

2. Repair all broken or crushed lines to insure proper functioning of the drain.

3. Periodically inspect outlet conduit and animal guards for proper functioning.

Tile Specifications The high density polyethylene (HDPE) double wall tubing and fittings will meet the requirements of AASHTO M-252 and M-294 with a minimum pipe stiffness of 34 psi. The concrete tile will meet the requirements of ASTM C-412. The polyethylene tubing and fittings will meet the requirements of ASTM F-404 and ASTM F-667.



Concrete tees will be located at property lines to serve two lots. Plastic tees will be installed to serve one lot.

Tile Stubs for Individual Lots

vegetation should be soon as possible aft			
Apply as indicated: Dates	Lime Fer	tilizer	Mulch
Mar 1 to May 10	yes	yes	yes
May 11 to Aug 9	yes	#	no
Aug 10 to Sep 30	yes	yes	yes
Oct 1 to Feb 28	yes	yes	yes
*	- 150%	f regular	Fatae

Seed

