

Drain: DEERWALK ESTATES DRAIN **Drain #:** 236
Improvement/Arm: DEERWALK ESTATES - LOT 4 RELOCATION
Operator: JDH **Date:** 12-11-03
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 12-11
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDH 12-11
- Digitize & Attribute SSD N/A
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JDH 12-11
- Sum drain lengths & Validate JDH 12-11
- Enter Improvements into Posse JDH 12-11
- Enter Drain Age into Posse _____
- Sum drain length for Watershed in Posse _____
- Check Database entries for errors JDH 12-11

Gasb 34 Footages for Historical Cost Drain Length Log

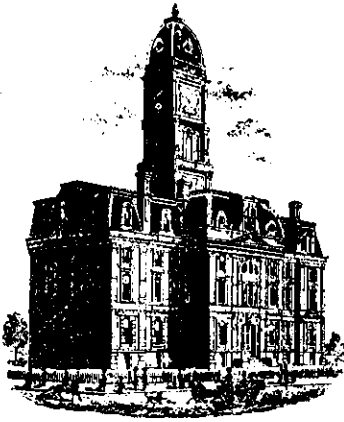
Drain-Improvement: DEERWALK ESTATES DRAIN - DEERWALK ESTATES - LOT 4 RELLOCATION

Drain Type:	Size:	Length <i>SURVEYOR'S REPORT</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	15"	185'	185'	Ø		

Sum: 185' 185' Ø _____

Final Report: _____

Comments:
AS BUILTS DID SHOW PIPE BETWEEN STA 700+701 TO BE 18", NOT 15".



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

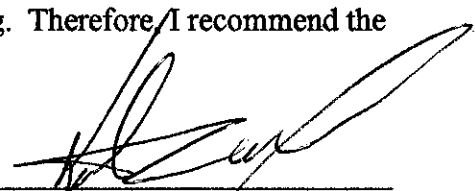
May 8, 1998

To: Hamilton County Drainage Board
RE: Deerwalk Drain - Lot 4

Attached is the petition from Brett M. Crist, Property Owner, to reconstruct the Deerwalk Drain. The location of the Deerwalk Drain to be reconstructed is an open drain and bisects Lot - 4 from the east to the west property line.

The proposed reconstruction of this Drain will intersect the storm water discharge pipe on the West property line of Lot - 5 and confine the storm water through a storm system across Lot - 4 . The portion of Drain to be reconstructed will intersect the storm sewer system located on the West property line of Lot - 5. From this tie in location ninety-three (93') feet of fifteen (15") inch RCP will replace the open drain in the same location to the southwest to Str. 700. From Str. 700 to Str. 701 eighty-four (84') feet of fifteen (15") inch RCP will replace the open drain to the west in the same location. From Str. 701 to the outlet eight (8') feet of fifteen (15") inch RCP will outlet into Rip Rap on the West property line of Lot - 4. These changes will not result in any change in length to the Regulated Drain. The entire proposed reconstruction /relocation is located on land owned by the petitioner. The design changes for the Deerwalk Drain were prepared by Weihe Engineers and are attached.

The cost of the Deerwalk Drain reconstruction will be borne by the Property Owner and is estimated at \$6550.00. A letter of Credit for this cost has been submitted by the Kevin Emmert; the Developer. The project meets the conditions set forth under IC 36-9-27-52.5 as one not requiring a public hearing. Therefore, I recommend the Board approve the proposed reconstruction.


Kenton C. Ward,
County Surveyor

STANDBY LETTER OF CREDIT



METROBANK

Letter of Credit No. 1150

March 13, 1998

BENEFICIARY

APPLICANT

HAMILTON COUNTY BOARD OF COMMISSIONERS
One Hamilton County Square
Noblesville, IN 46060

Kevin Emmert Construction Company
11855 Deer Walk Drive
Cicero, Indiana 46034-9304

We hereby establish our Irrevocable Letter of Credit in your favor, for the account indicated above, for the sum or sums not exceeding \$6,550.00 United States Currency.

Funds are available by your drafts at sight drawn on MetroBank, Indianapolis, Indiana.

Drafts are to be accompanied by:

1. The original of this Letter of Credit No. 1150
2. Beneficiary's signed certificate that Kevin Emmert Construction Company has failed to complete the relocation of the Deer Walk Drain in the development known as Deer Walk Drain on Lot 4, Cicero, Indiana 46034 as required by the Hamilton County Drainage Review Board.

We engage with you that all draft(s) drawn under and in accordance with the terms of this Letter of Credit shall be duly honored upon presentation.

Drafts must be marked "Drawn under MetroBank, Indianapolis, Indiana, Letter of Credit Number 1150". Drafts drawn under this letter of credit must be presented on or prior to expiration date of September 13, 1998.

Except as otherwise expressly stated herein, this credit is subject to the Uniform Customs and Practice for Documentary Credits (1993 Revision), International Chamber of Commerce, Publication No. 500.

Very truly yours,

Andrew E. Illyes
Andrew E. Illyes
Executive Vice President

J. Gregory Goff
J. Gregory Goff
Senior Vice President

Carmel
Noblesville

Jenny Gistom (original) 04/13/98



317/573 • 2400

10333 N. Meridian, P.O. Box 40485
Indianapolis, Indiana 46240-0485

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CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Lot #4 Deerwalk Subdivision

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana .
2. I am familiar with the plans and specifications for the above referenced subdivision .
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision .
4. The drainage facilities within the above referenced subdivision to the best of my knowledge , information and belief have been installed and completed in comformity with all plans and specifications .

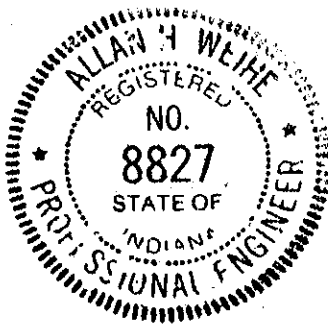
Signature: Allan H. Weihe Date: June 8, 1998

Type or Print Name: Allan H. Weihe, P.E.

Business Address: 10505 North College Avenue
Indianapolis, Indiana 46280

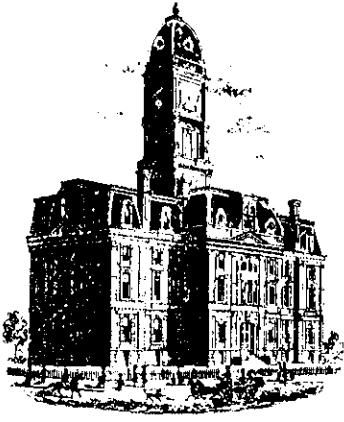
Telephone Number: (317) 846-6611

SEAL



INDIANA REGISTRATION NUMBER

#8827 IN



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

To: Hamilton County Drainage Board

December 16, 1998

Re: DeerWalk Drain: Lot 4 Relocation

Attached are as-builts, certificate of completion & compliance, and other information for Deerwalk Drain – lot 4 Relocation. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.


During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated May 8, 1998.

Therefore, the net length of the drain remains at **0 feet**.

The bond or letter of credit from MetorBank, number 1150; in the amount of \$6,550.00; was released December 14, 1998.

I recommend the Board approve the drains construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Project: Deerwalk Drain: Deerwalk Lot 4 Relocation

Structure: T.C.: I.E.: Pipe: Length: Original Plans: Difference:

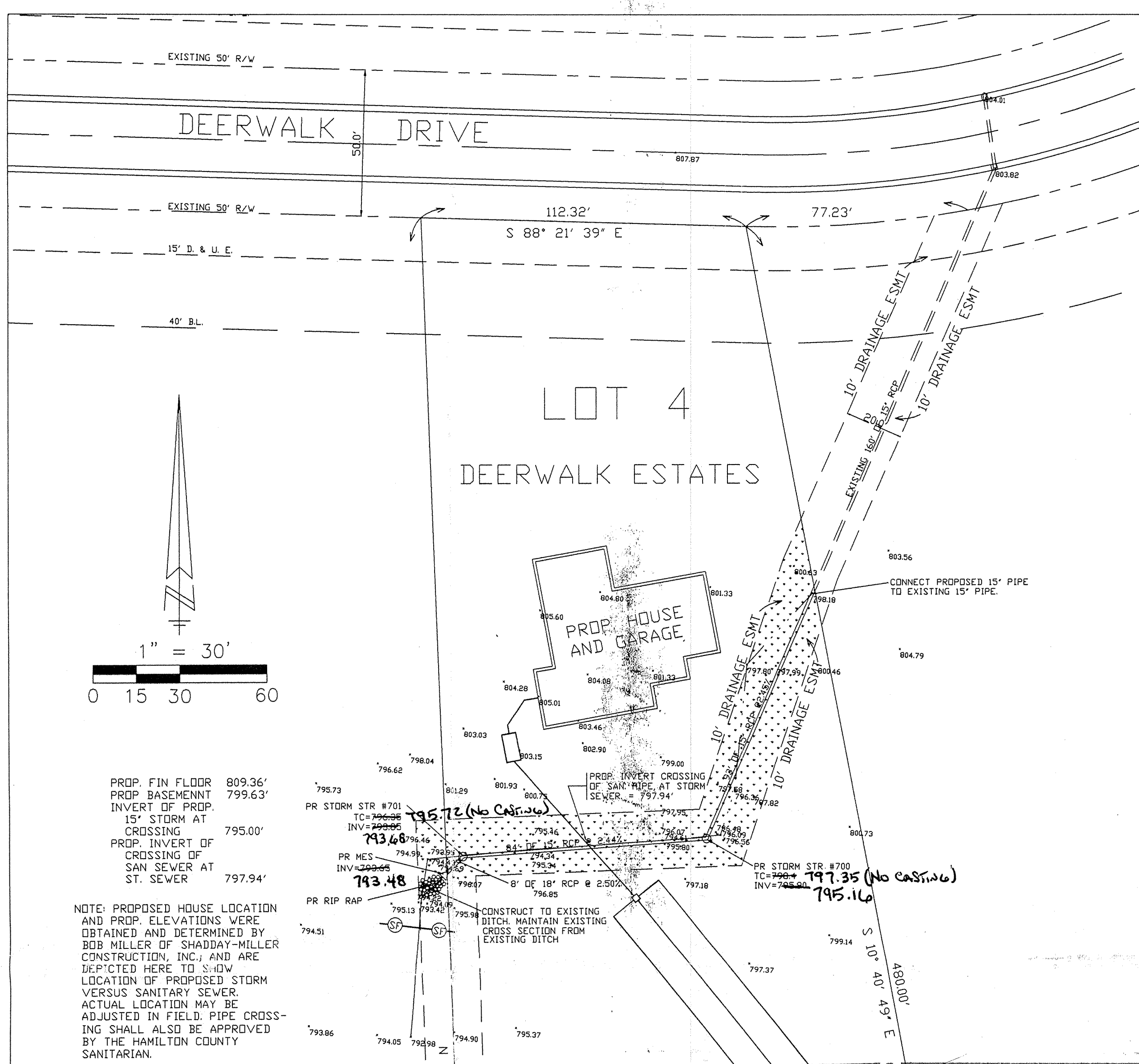
exist pipe		798.18			
701	797.35	795.16	15	93	
701	797.35	795.16			
700	795.72	793.68	15	84	
700	795.72	793.68			
700a		793.48	15	8	

RCP Pipe Totals:

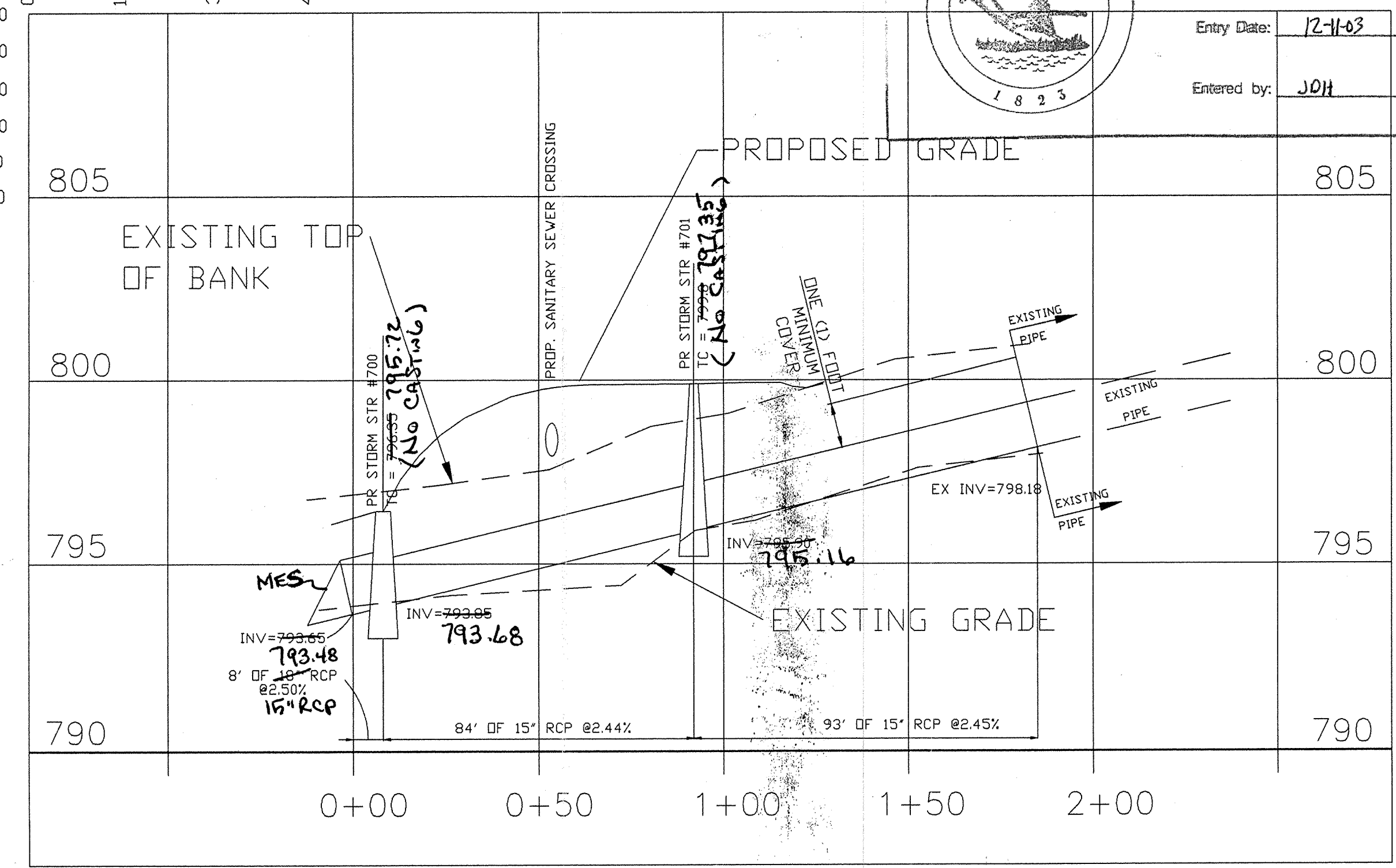
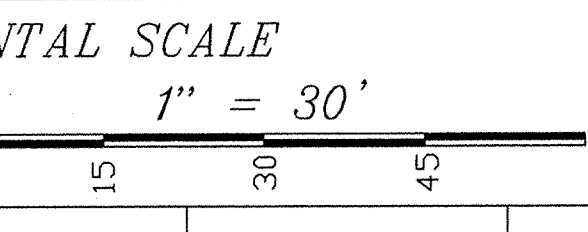
15"	185

Other Drain:

Total Length of Drain: 185



PROP. FIN FLOOR 809.36'
 PROP. BASEMENT 799.63'
 INVERT OF PROP. 15" STORM AT CROSSING 795.00'
 PROP. INVERT OF CROSSING OF SAN SEWER AT ST. SEWER 797.94'
 PR STORM STR #701 TC=795.72 INV=793.62
 PR STORM STR #700 TC=795.00 INV=792.94
 PR MES #794.95 INV=794.95
 PR RIP RAP 794.51



Entry Date: 12-11-97
 Entered by: JKH
 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

*** SCOPE OF THE WORK ***
 CONSTRUCT THE STORM SEWER TO THE PROPOSED PROFILE SHOWN ON THE PLANS, MAINTAIN THE ORIGINAL BOTTOM SLOPE OR AVERAGE SLOPE UNLESS A DESIGNATED SLOPE STATES DIFFERENTLY.

*** GENERAL NOTES ***
 IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF THE WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNERS OR THE ENGINEER OF ANY CHANGES. ERRORS OR OMISSIONS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED. STORM SEWER SHALL BE REINFORCED CONCRETE PIPE PER ASTM SPECIFICATION C76-88, AS REVISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL STATE, CITY AND COUNTY PERMITS. CONTRACTOR SHALL CHECK WITH THE ENGINEER PRIOR TO THE START OF CONSTRUCTION TO VERIFY DATE OF PLANS. ALL CONTRACTORS SHALL VERIFY SUBSURFACE CONDITIONS PRIOR TO BIDDING. UNDERGROUND TILES NOT VISIBLE ON THE SURFACE MAY EXIST ANY TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED WITH POSITIVE DRAINAGE.

*** CLEARING AND GRUBBING ***
 THE WORK SHALL CONSIST OF CLEARING AND REMOVING FROM THE DITCH AREA BY REMOVAL AND DISPOSAL OF TREES, SNAGS, LOGS, STUMPS, SHRUBS AND RUBBISH, UNLESS SPECIFIED BY THE HAMILTON COUNTY SURVEYOR SUCH THAT TREES ARE EFFICIENTLY BEING SAVED FOR THE AESTHETICS OF THE DITCH AND DO NOT HINDER THE STABILITY OF THE STORM PIPE. UNLESS OTHERWISE SPECIFIED, ALL TREES AND UNDERBRUSH WITHIN THE CONSTRUCTION OF THE STORM PIPE SHALL BE REMOVED ALL CUTTINGS, TREES AND MATERIAL SHALL BE REMOVED FROM THE DITCH AND SHALL BE DISPOSED OF AS APPROVED BY THE HAMILTON COUNTY SURVEYOR.

SEEDING AND FERTILIZER
 1. DISTURBED AREAS SHALL BE SEEDED TWICE. THE FIRST SEEDED WILL OCCUR AT THE END OF EACH DAY'S CONSTRUCTION WHILE THE GROUND IS STILL MOIST. FERTILIZER WILL BE APPLIED AFTER THE SECOND SEEDED PRIOR TO FINAL INSPECTION. ONLY THOSE AREAS WHERE THE GRASS HAS NOT GERMINATED WILL BE SEEDED THE SECOND TIME. THE SEED AND FERTILIZER WILL BE APPLIED WITH A BROADCAST TYPE SEEDER.

EROSION CONTROL SPECIFICATIONS
 1) This plan is designed as an attempt to prevent any and all sediment from leaving the construction site by way of erosion. If erosion of sediment from the site is taking place, the owner shall take preventative measures immediately. The engineer shall be consulted in the event this happens.

2) Temporary seeding is to be applied to any graded area that will remain unseeded for an extended period of time.

3) Permanent seeding is to be applied immediately to areas that have achieved final and finished grade.

4) Preserve existing vegetation on the site whenever and wherever possible to prevent topsoil erosion.

5) All sediment capturing measures are to be implemented prior to the disturbance of the construction area they are intended to serve.

6) All erosion control measures proposed are to be property maintained to continue their effectiveness.

7) If grading occurs during December, January, February or March seeding procedures shall be used.

8) During dry weather, keep lawns watered with sprinklers or other approved methods. Reused areas not denuding or damaged at intervals as may be required according to seasonal conditions and/or construction activity. Water grass and execute necessary watering until full stand of grass has been obtained.

9) The implementation and maintenance of the erosion control is the sole responsibility of the contractor and/or owner.

10) It shall be the contractor's and/or owner's responsibility to minimize sedimentation (from on-site construction activities) from being deposited on adjacent properties and adjoining streets in strict compliance with Title 51 (327 IAC 15-5), construction activity stormwater runoff control. It shall also be the contractor's or owner's responsibility to obtain any approvals required from the local authority, and to submit a complete Notice of Intent letter to the Office of Water Management, Indiana Department of Environmental Management prior to any construction activity.

EROSION CONTROL
 A. CONTRACTOR SHALL AT ALL TIMES INSURE THAT EROSION CONTROL MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF CONSTRUCTION OR LAND ALTERATION ACTIVITY.

B. AS SOON AS AREAS ARE BROUGHT TO FINISH GRADE OR NEW DRAINAGE FACILITIES ARE CONSTRUCTED, CONTRACTOR SHALL CONSTRUCT THE APPLICABLE EROSION CONTROL MEASURES REQUIRED BY AND QUANTIFIED ON THE APPROVED PLAN.

C. DURING SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL:

1. CONSTRUCT ALL PERIMETER SILT BARRIERS.
2. INSTALL AND MAINTAIN CLEAN CRUSHED STONE AT ALL CONSTRUCTION ENTRANCES/EXITS TO THE SITE AND ANY AREAS USED FOR PARKING.
3. PREVENT CONSTRUCTION SETS FROM LEAVING THE SITE AT ALL TIMES AND PLACE EXCAVATED MATERIALS AWAY FROM ANY DIRECT DRAINAGE FLOW RUNOFF FROM THE SITE.

D. TEMPORARY VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.

E. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION SHALL BE TAKEN WITHIN 24 HOURS TO MAINTAIN ALL EROSION CONTROL.

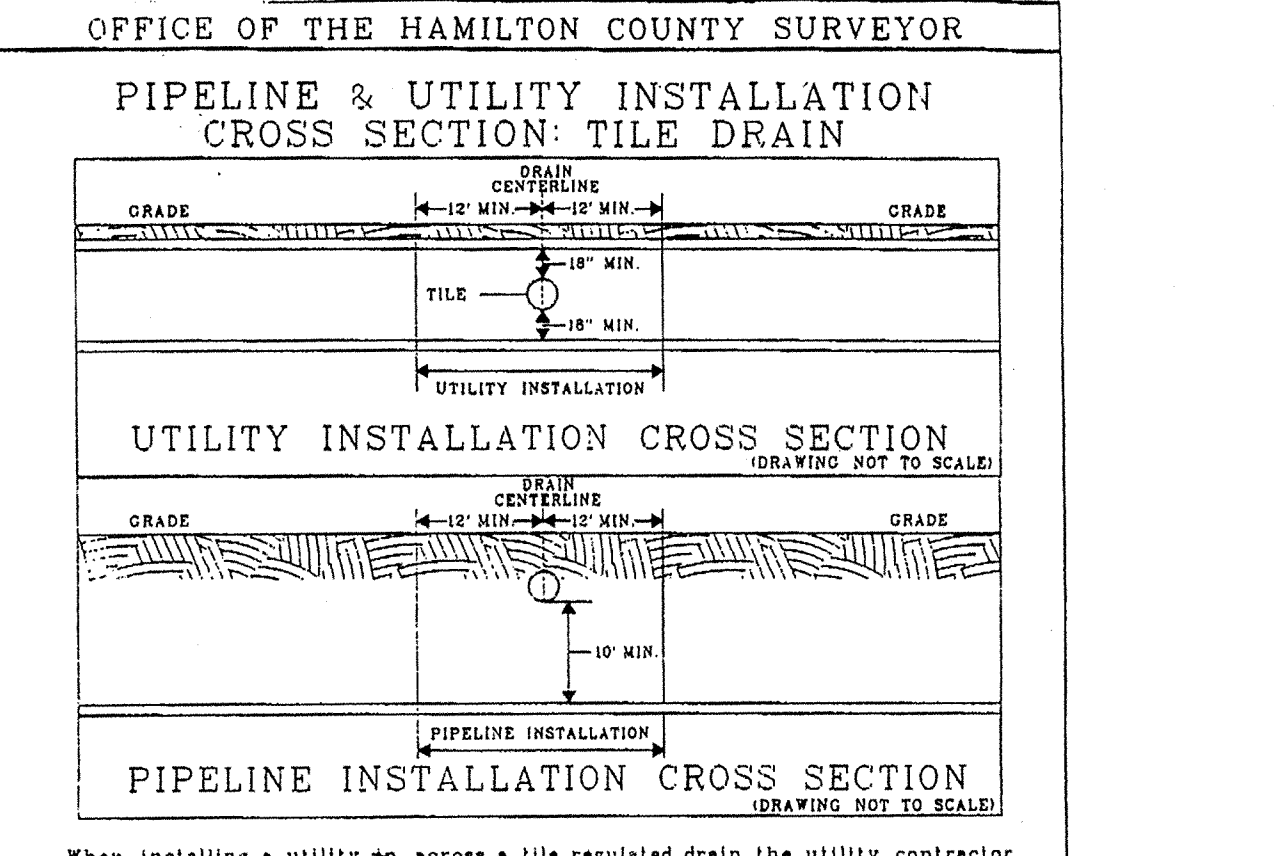
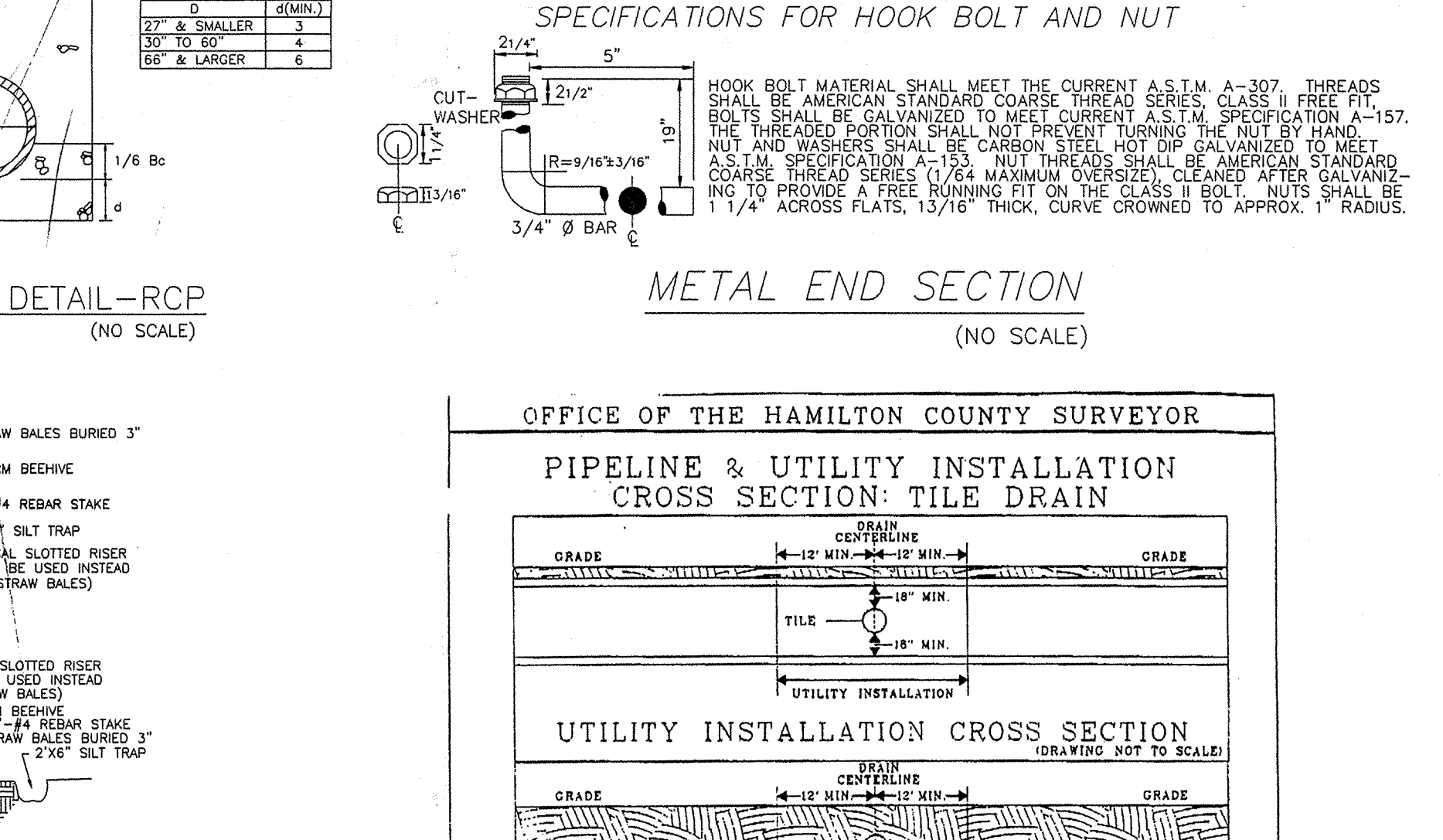
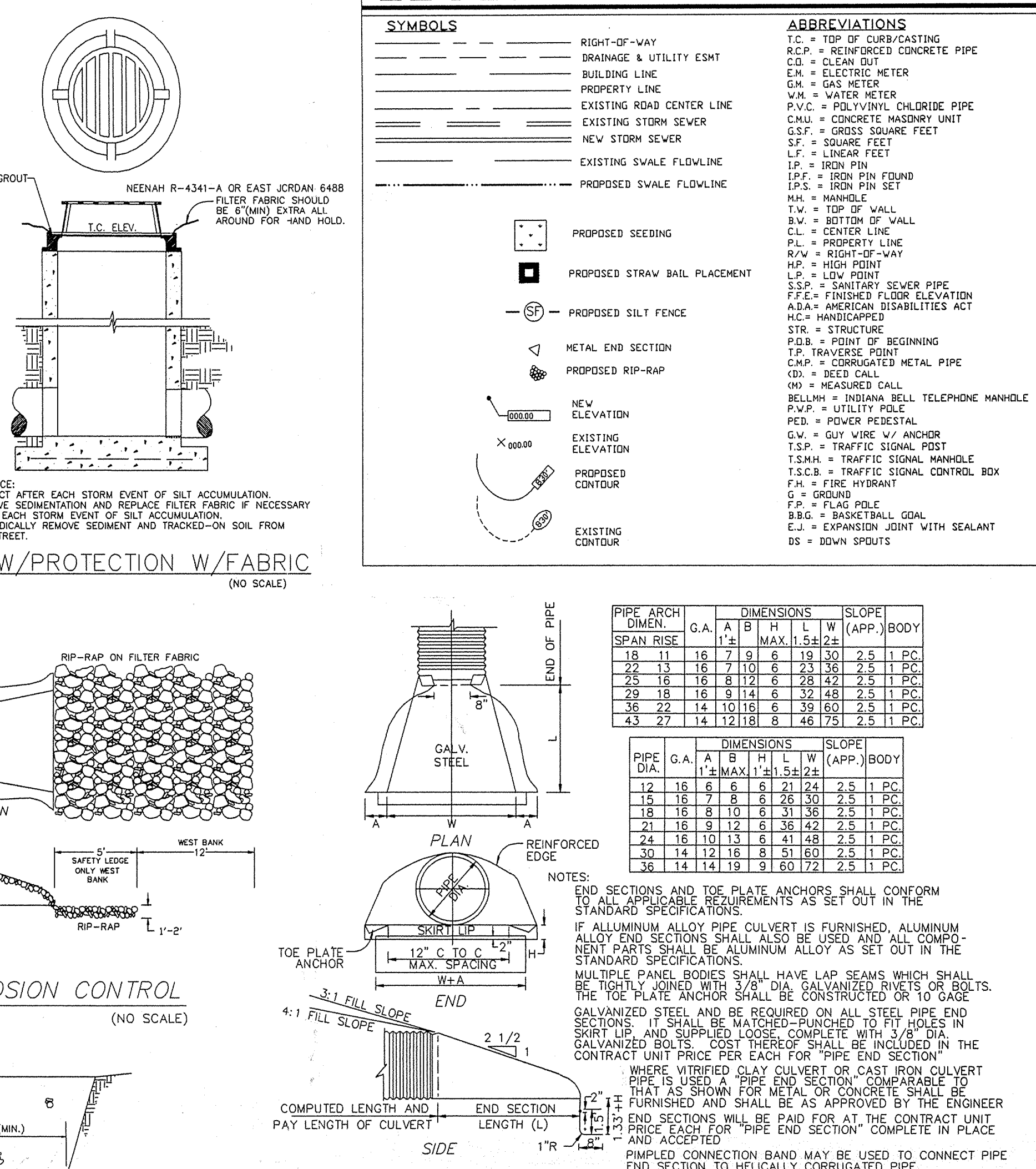
F. PERIMETER SILTATION BARRIERS SHALL BE MAINTAINED AT ALL TIMES.

G. AT SUCH TIME THAT ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DITCHES TO INLETS, INLET EROSION CONTROL MEASURES SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PAVING SYSTEMS FREE OF SILTATION.

H. EROSION CONTROL MEASURES, CONSTRUCTION ENTRANCES AND SILTATION BARRIERS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. AFTER COMPLETE VEGETATIVE ESTABLISHMENT OR PAVING, ALL SILT IN PIPES, DETENTION FACILITIES AND SWALES SHALL BE REMOVED WITHIN 10 DAYS SO THAT FINISHED GRADES ARE NET.

SEASONAL SOIL PROTECTION CHART (NO SCALE)
 MAINTENANCE: 1. INSPECT THE STRUCTURE PROTECTION AFTER EACH STORM EVENT. 2. REMOVE ACCUMULATED SEDIMENT AND MAKE NEEDED REPAIRS. 3. WHEN DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL SEDIMENT AND CONSTRUCTION MATERIALS. GRADE DISTURBED AREA TO ELEVATION OF TOP OF INLET AND STABILIZE.

STABILIZATION PRACTICES: PERMANENT SEEDING (A), DORMANT SEEDING (B), TEMPORARY SEEDING (C), SODDING (D), MULCHING (E).
 A = KENTUCKY BLUEGRASS 40 LBS/ACRE, CREEPING RED FESCUE 40 LBS/ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS/ACRE.
 B = KENTUCKY BLUEGRASS 60 LBS/ACRE, CREEPING RED FESCUE 60 LBS/ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE.
 C = SPRING OATS 3 BUSH/ACRE.
 D = WHEAT OR RYE 2 BUSH/ACRE.
 E = ANNUAL RYEGRASS 40 LBS/ACRE.
 F = SOO
 G = STRAW MULCH 2 TONS/ACRE.
 ** IRRIGATION NEEDED DURING JUN, JULY, AND/OR SEPTEMBER.
 *** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOO.



HAMILTON COUNTY SURVEYOR'S OFFICE
 REVISED: 30 SEP 1997
 STANDARD PLAN
 APPROVED: [Signature] DATE: []

RECORDED
 8827
 ALLAN H. WEIHE
 REGISTERED PROFESSIONAL SURVEYOR
 JUN 11 1998
 HAMILTON COUNTY SURVEYOR'S OFFICE