

SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, CFM*  
Surveyor of Hamilton County  
Phone (317) 776-8495  
Fax (317) 776-9628

Suite 188  
One Hamilton County Square  
Noblesville, Indiana 46060-2230

**To: Hamilton County Drainage Board**

**May 28, 2008**

**Re: Wm. Lehr: Booth White -Deer Path Sec. 12 Flood Mitigation**

Attached are as-builts, certificate of completion & compliance, and other information for Deer Path Flood Mitigation project on the Booth-White Arm to the Wm. Lehr Drain. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

This project was submitted to the Drainage Board as a variance request. The variance proposal was submitted and approved by the Board on July 10, 2006. (See Drainage Board Minutes Book 9, Page 316) During construction, there were no significant changes made to the drainage plans submitted with my report for this mitigation project. The as-builts submitted were reviewed by CBBEL of Indianapolis and approved. It was verified by CBBEL that the mitigation project met the 3 to 1 flood mitigation requirement.

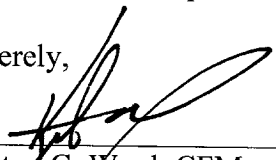
The mitigation area is within the platted easements for Deer Path Section 12. A non-enforcement was approved by the Board at its meeting on October 9<sup>th</sup>, 2006 and recorded under instrument #200600060508.

The following sureties were guaranteed by Travelers Casualty and Surety Company of America and released by the Board on its September 10, 2007 meeting.

**Bond-LC No:** 104741906  
**Insured For:** Storm Sewer/Flood Mitigation  
**Amount:** \$8990.00  
**Issue Date:** July 10<sup>th</sup>, 2006

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

  
Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm

August 27, 2007

**MEMORANDUM**

**TO:** Mr. Kenton C. Ward, CFM – Hamilton County Surveyor  
Ms. Mary Garmon – Plan Reviewer

**FROM:** Kerry M. Daily, E.I., CFM – CBBEL, Indianapolis

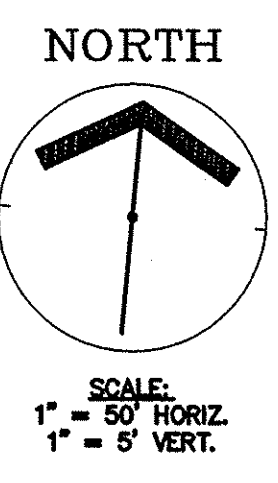
**PROJECT:** **Deer Path Subdivision – Booth White Regulated Drain  
CBBEL Project No. 05-575 (D)**

Deer Path Subdivision is located along both the north and south banks of the Booth White Regulated Drain west of Boden Road, north of State Road 238, and south of East 156<sup>th</sup> Street. Staff of CBBEL have reviewed the submitted information regarding the fill at the development site and the completed excavation of compensatory floodplain storage areas along the Booth White Regulated Drain. Based on our review, the completed floodplain storage areas have been constructed according to the plans approved for the project.

No error or omission in the plans, calculations or applications (whether said plans, calculations or applications have been reviewed by the review engineer or not) shall permit or release the applicant and designer from constructing this work in any other manner than that provided for in the local standards.

pc: File

M05-575D2

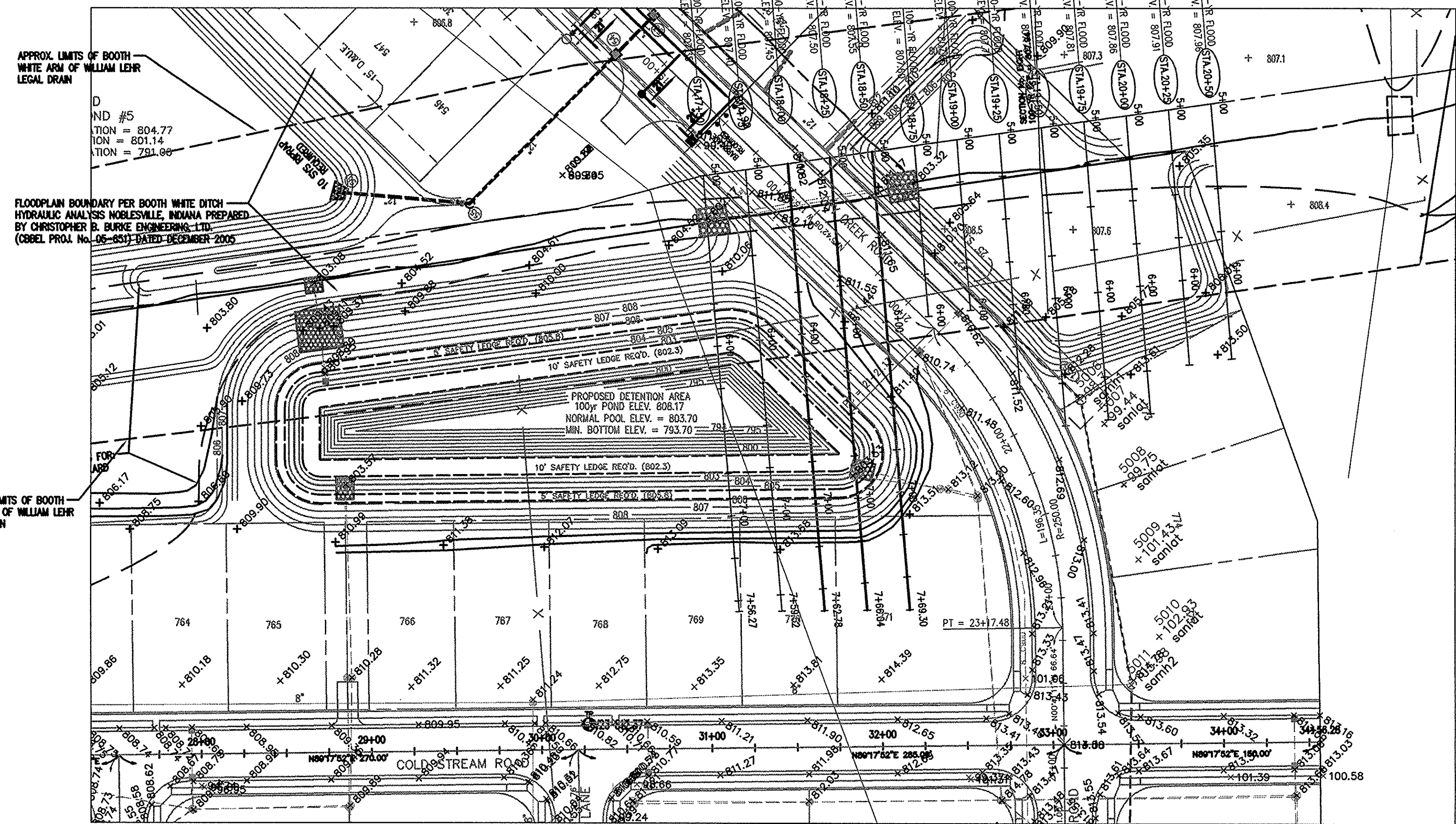


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 Entry Date: 5-2008  
 Entered By: SLM

**As-Built Certificate**

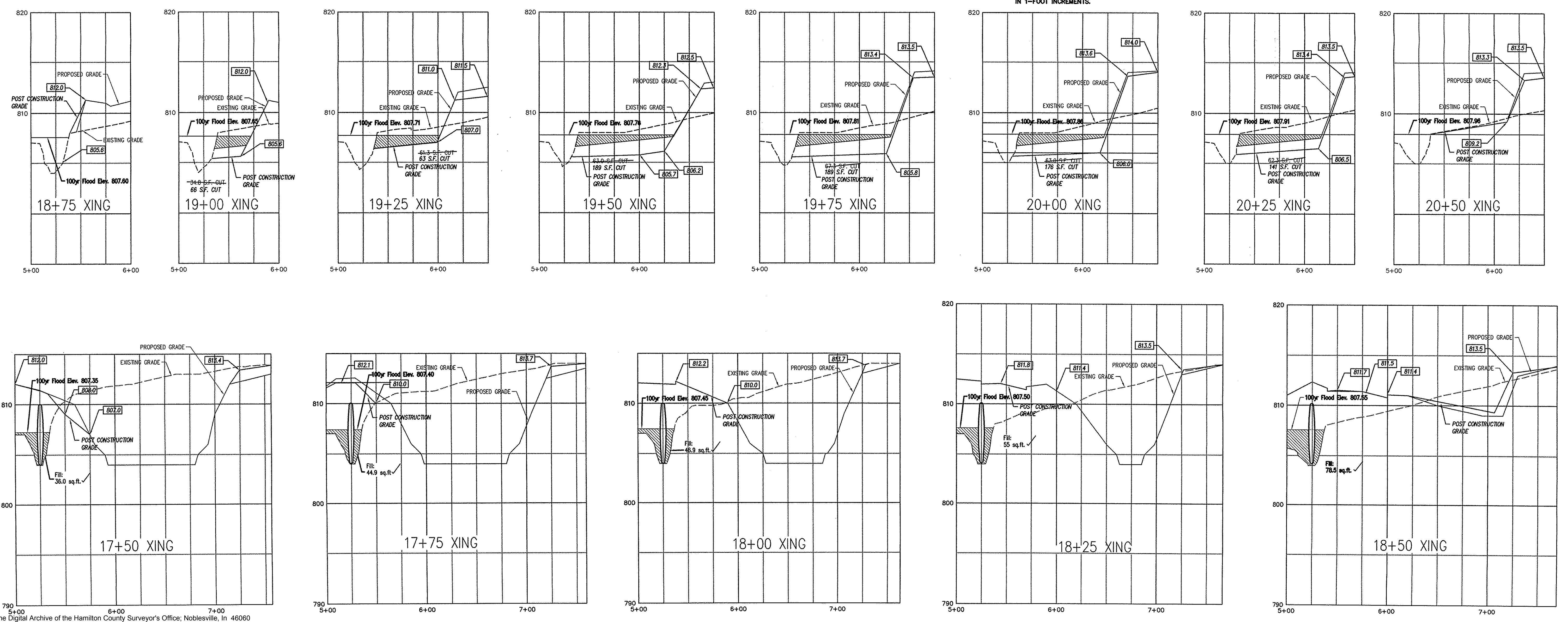
I certify that this drawing represents an as-built survey for the post construction grading and the required percentage of the "cut" versus "fill" areas required for the compensated storage masts or exceeds the plan design.

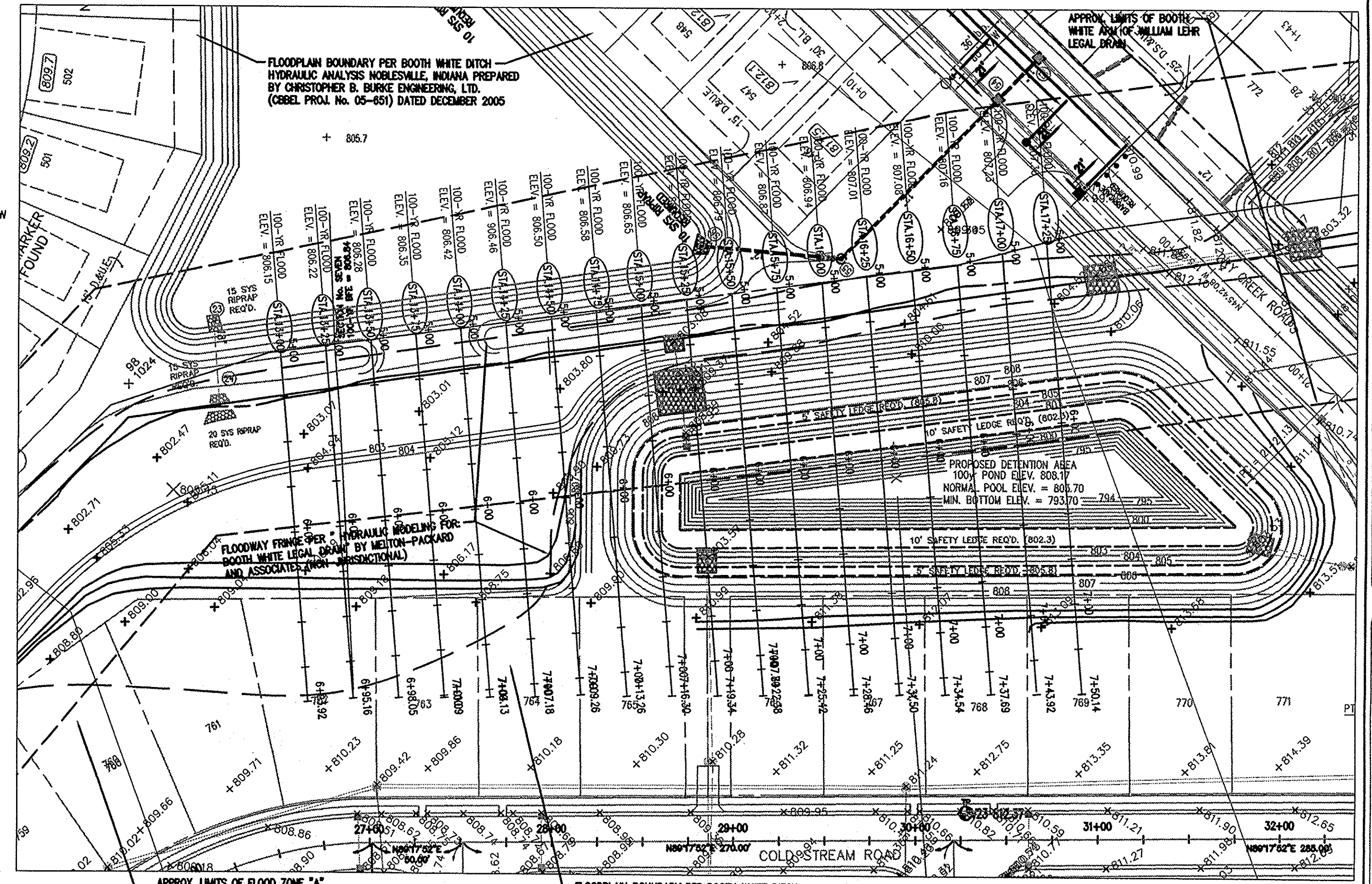
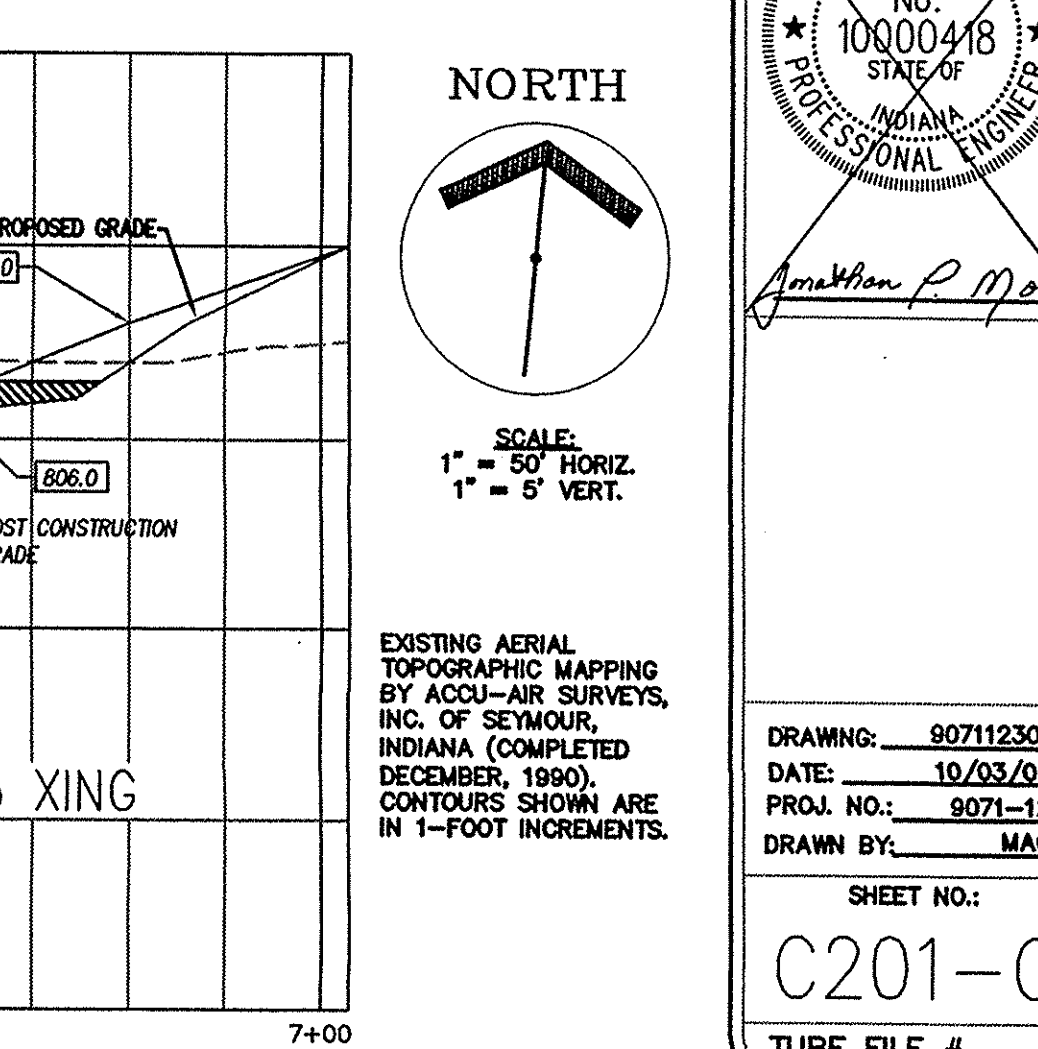
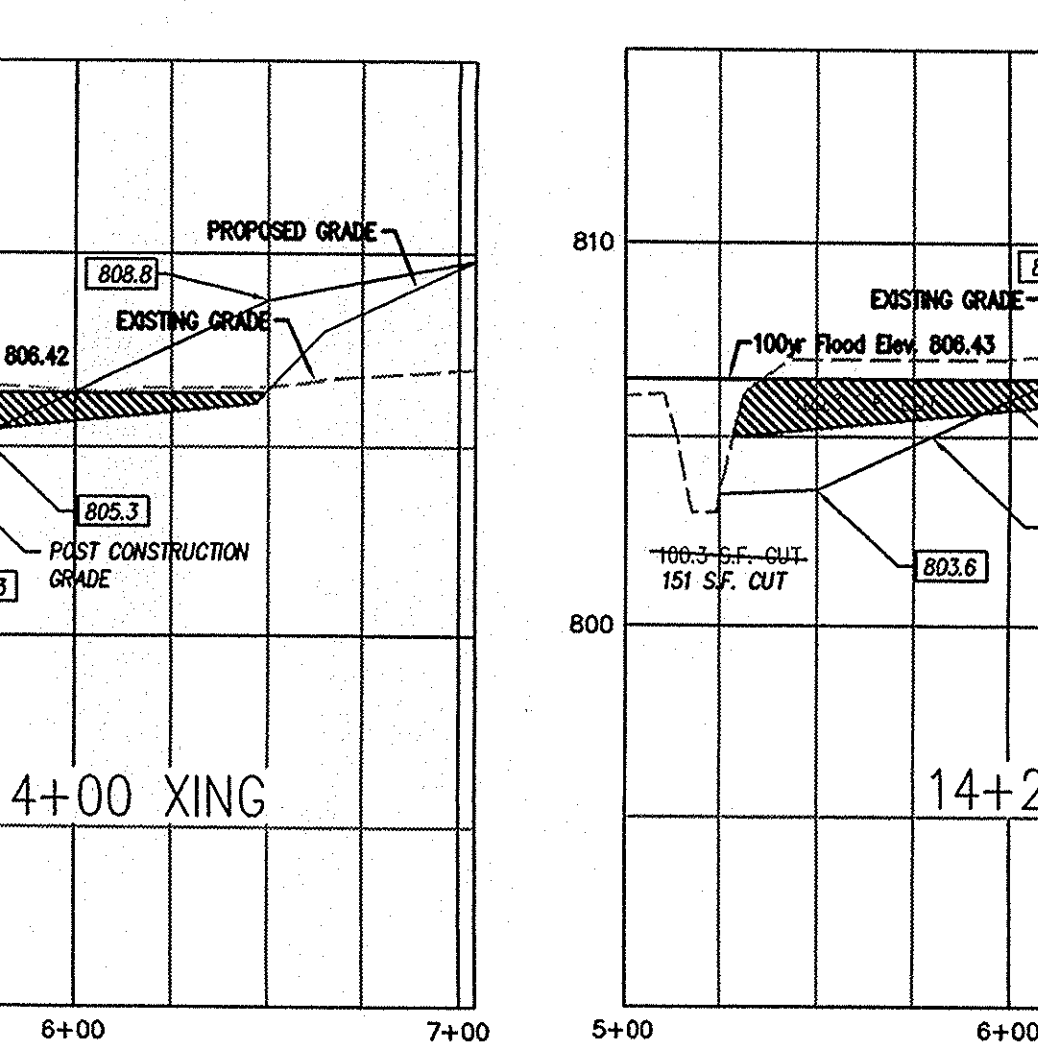
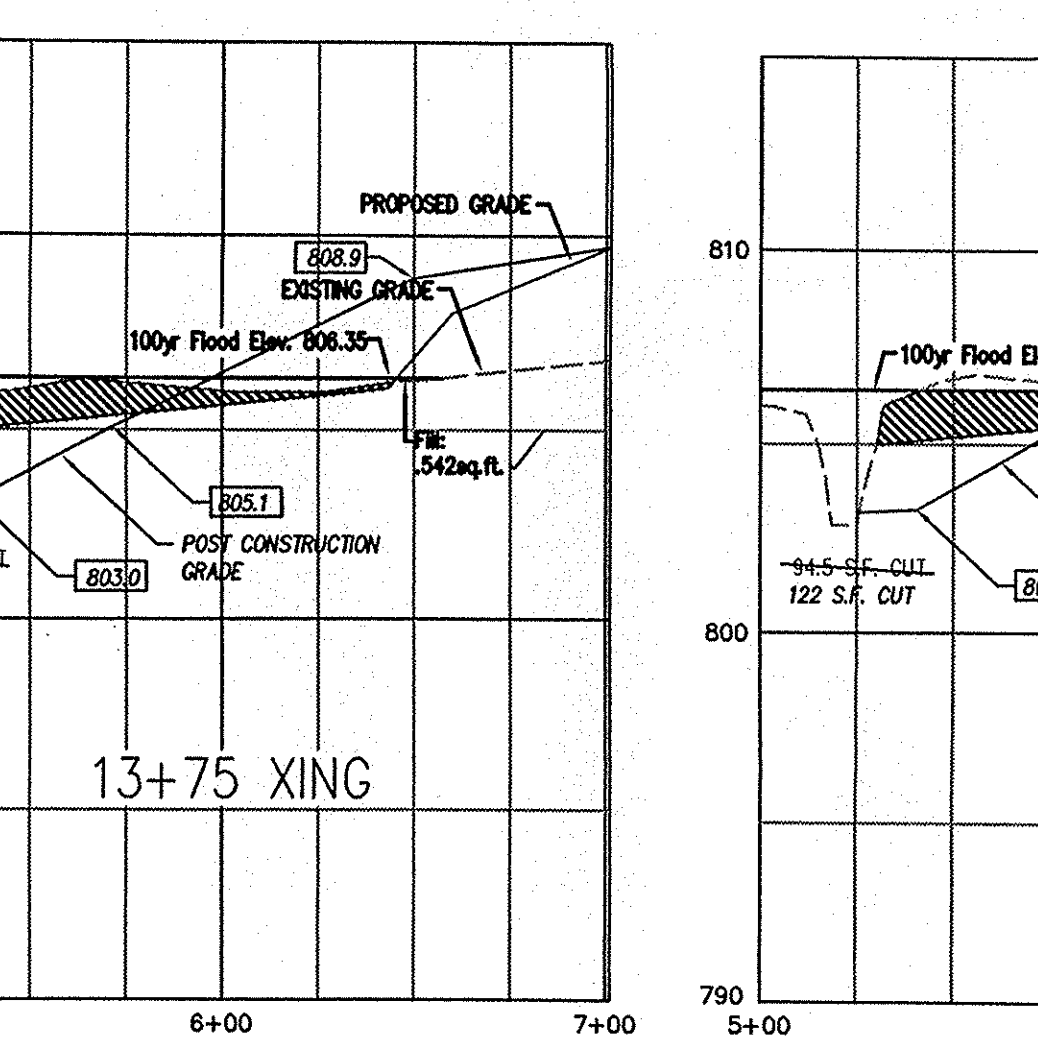
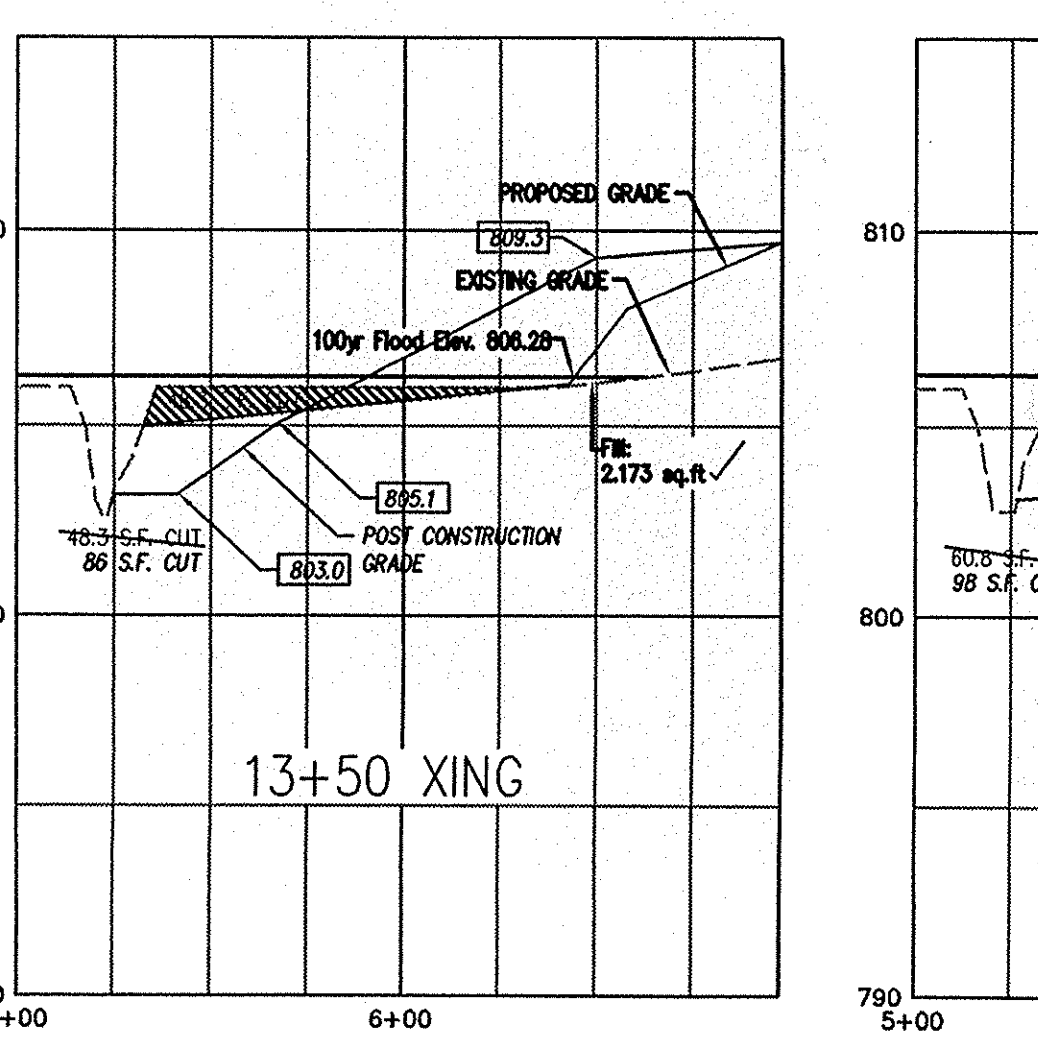
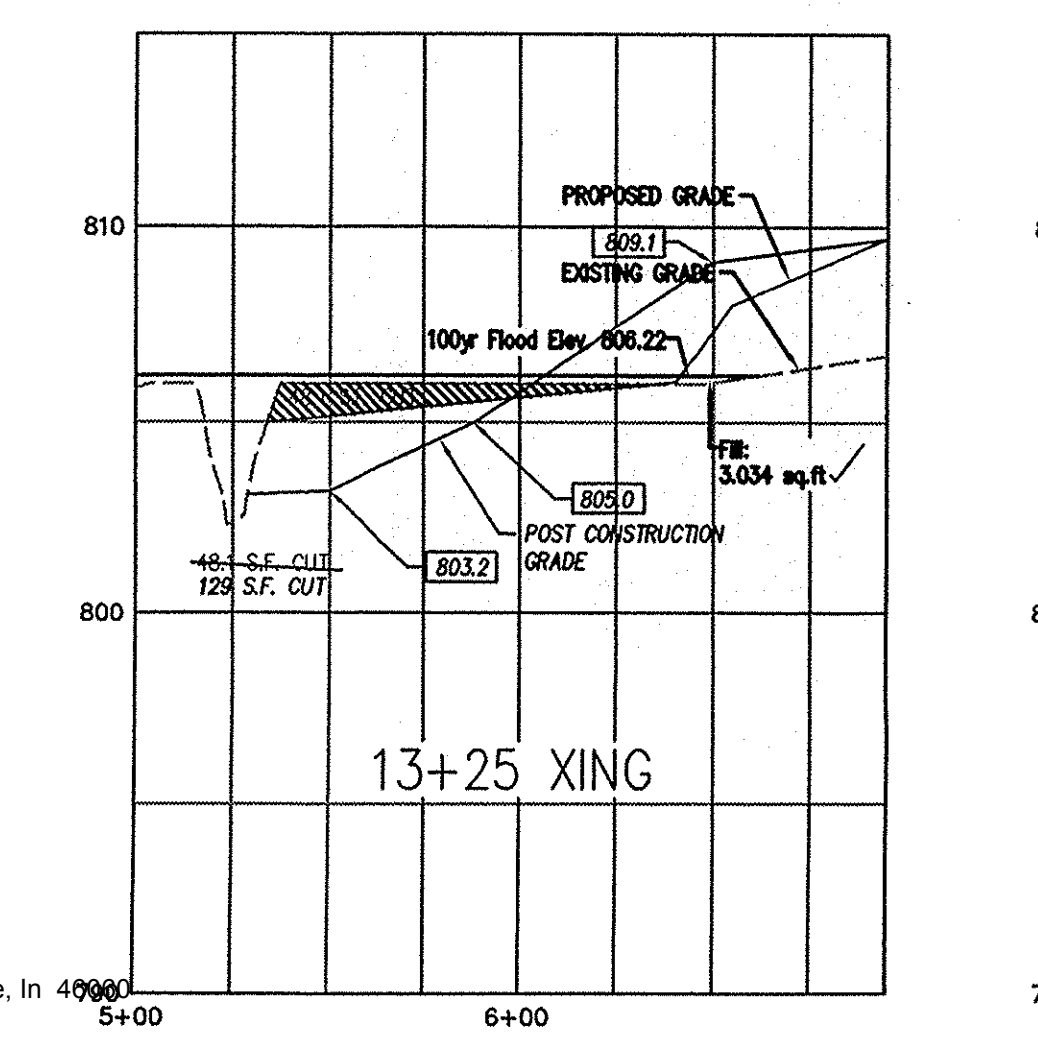
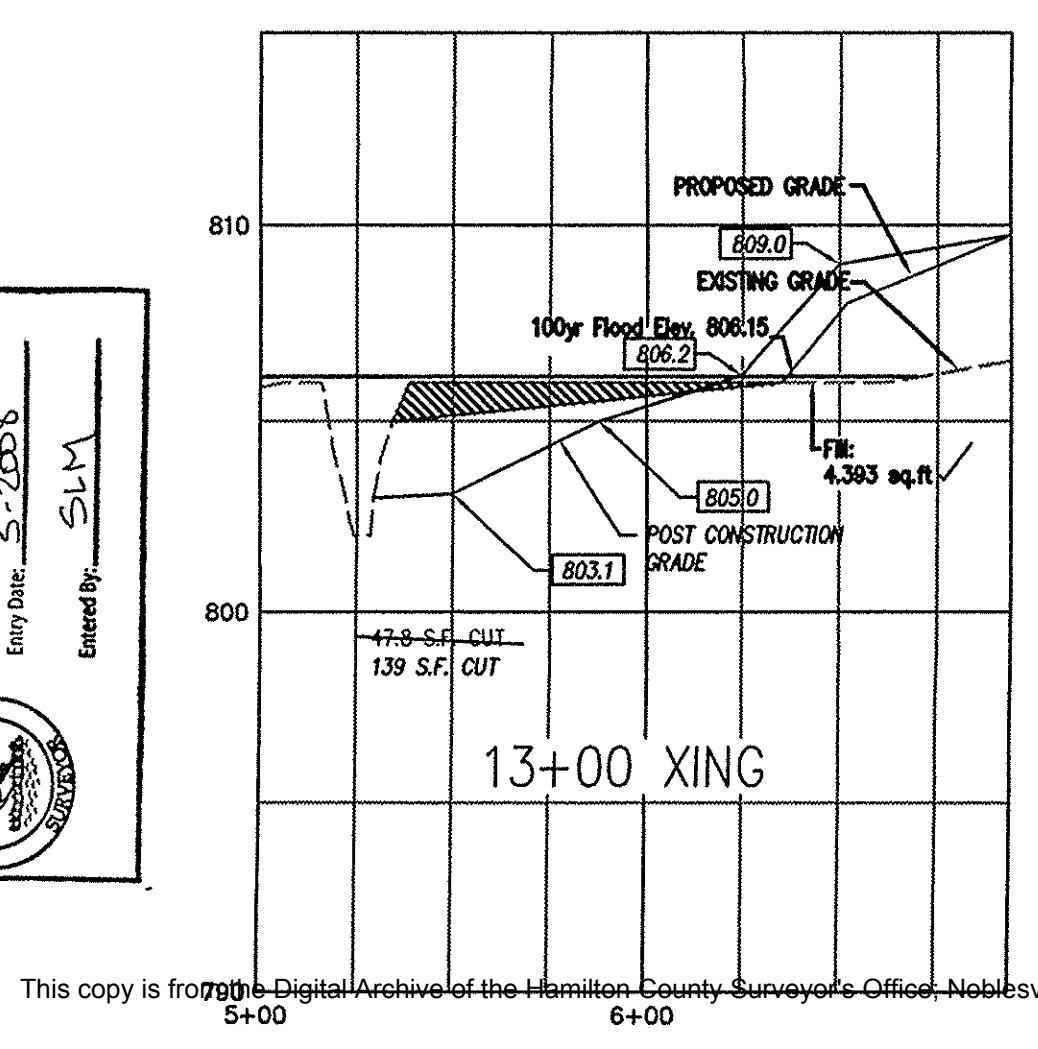
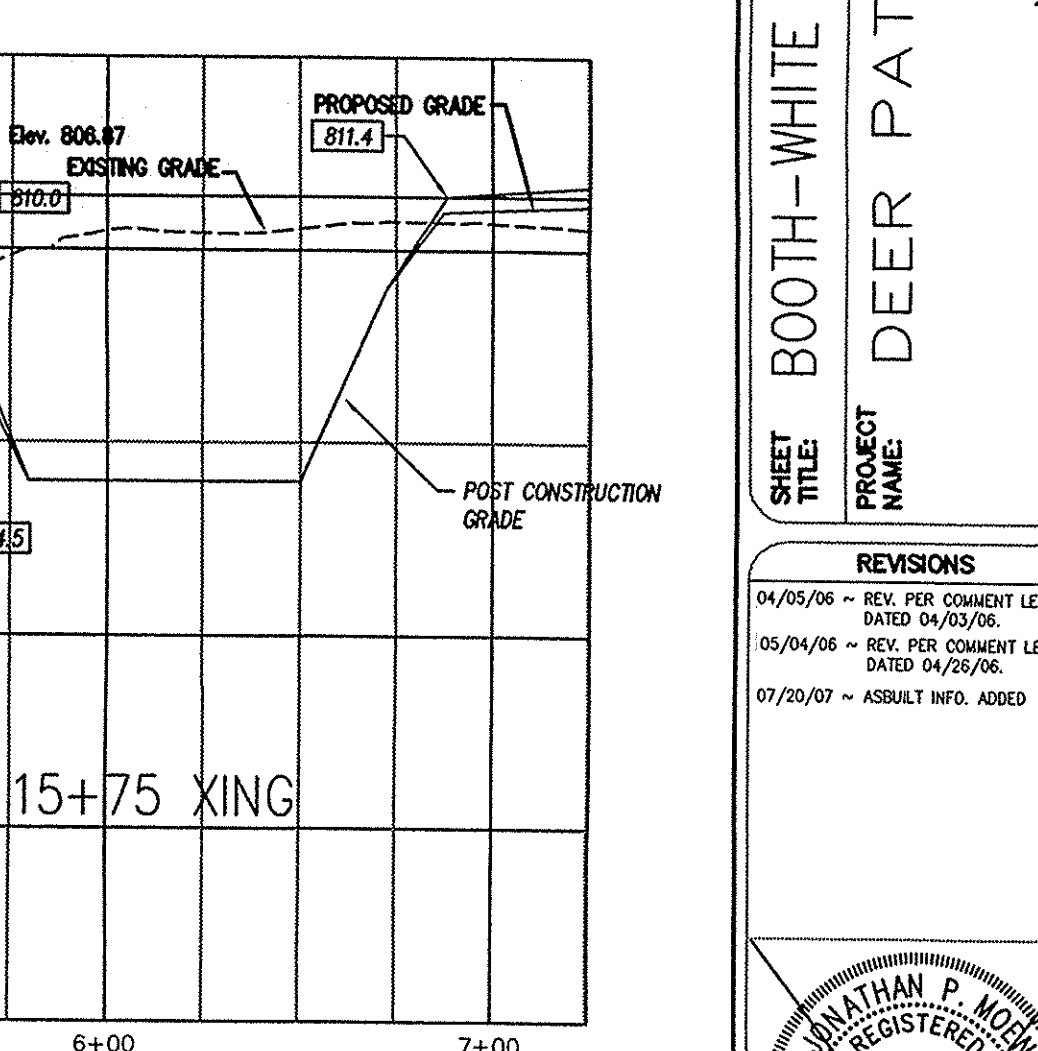
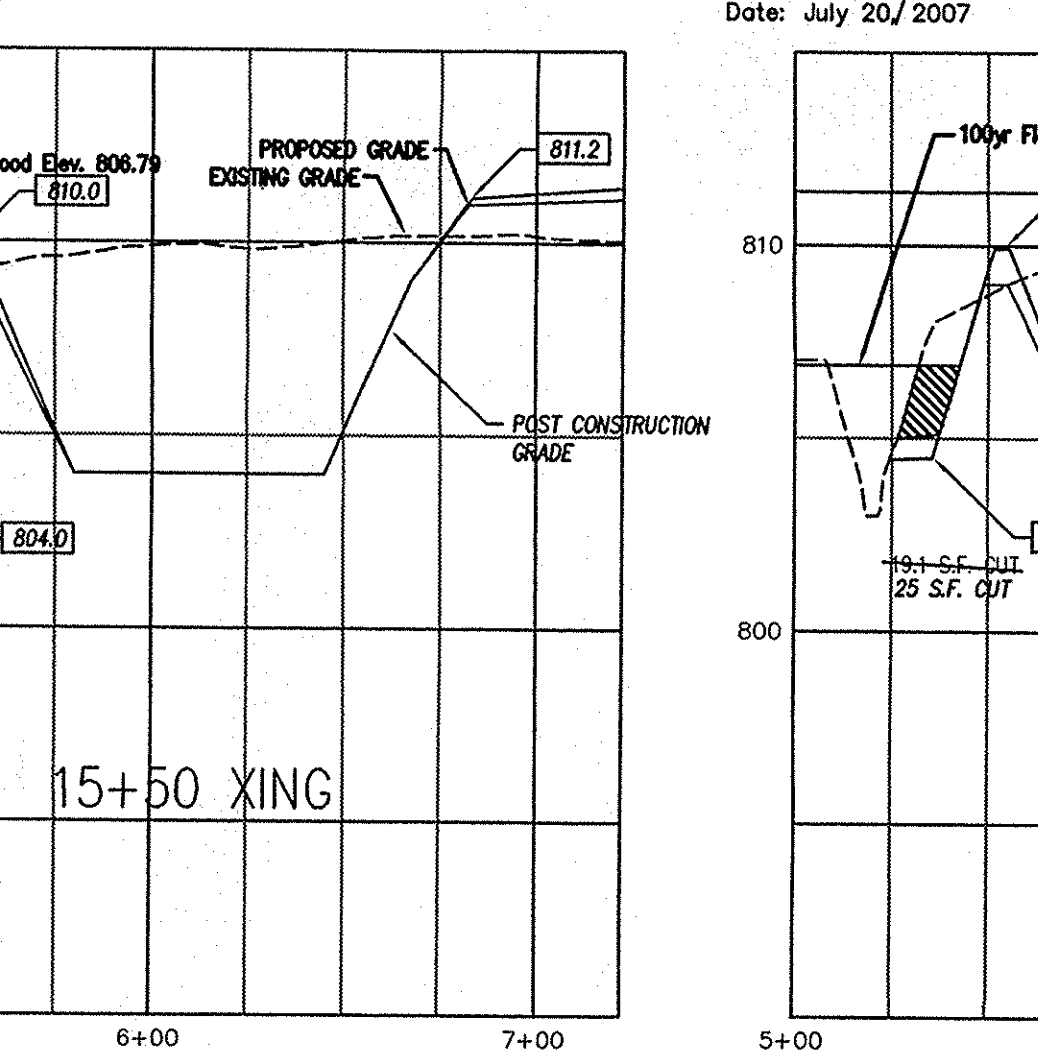
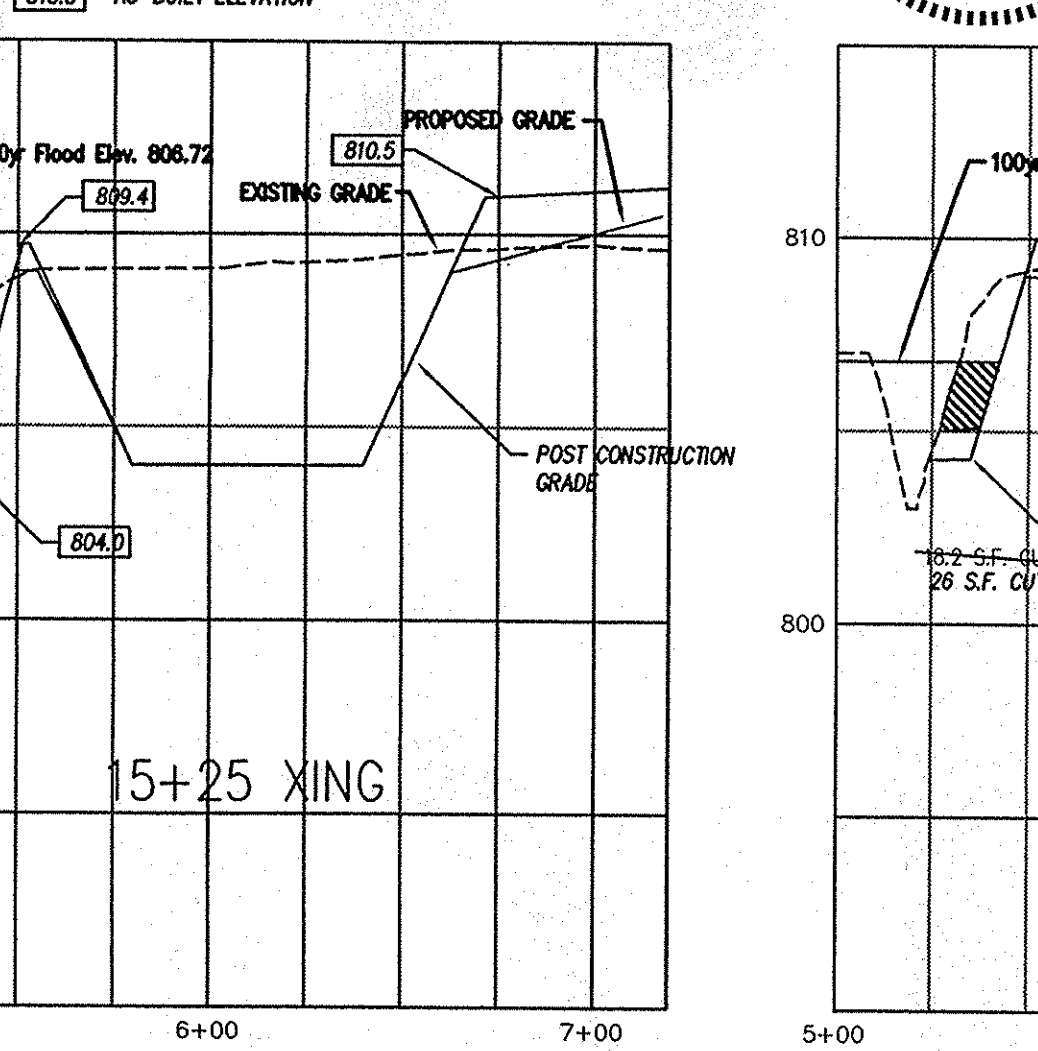
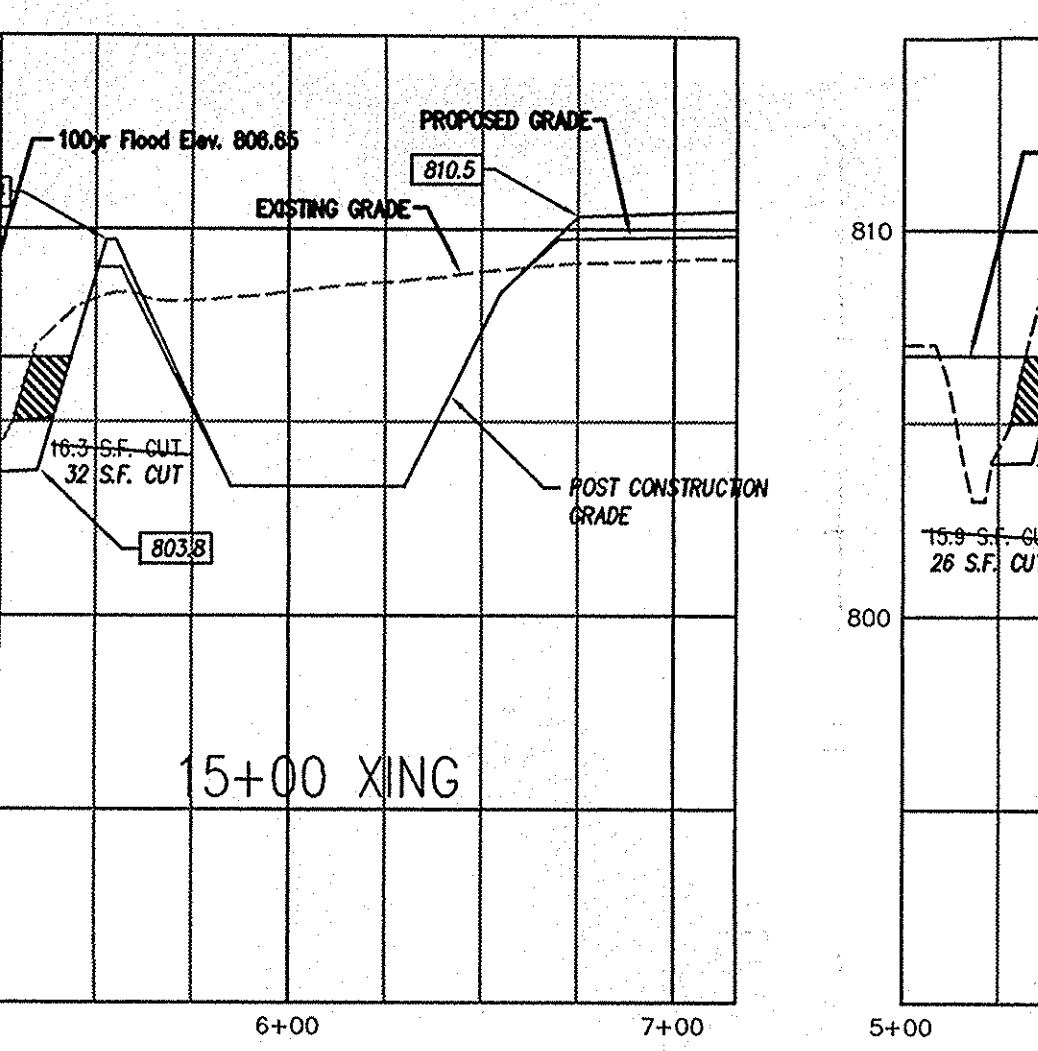
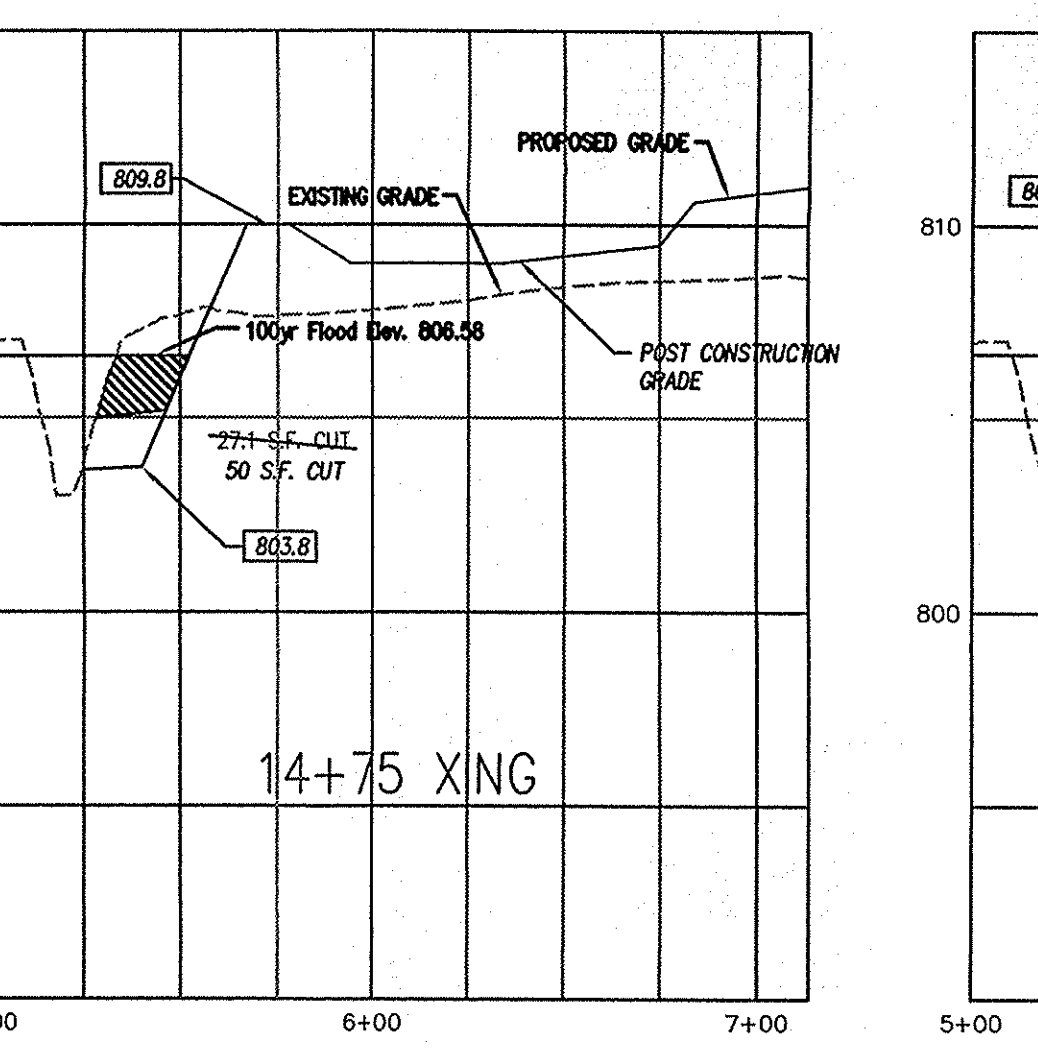
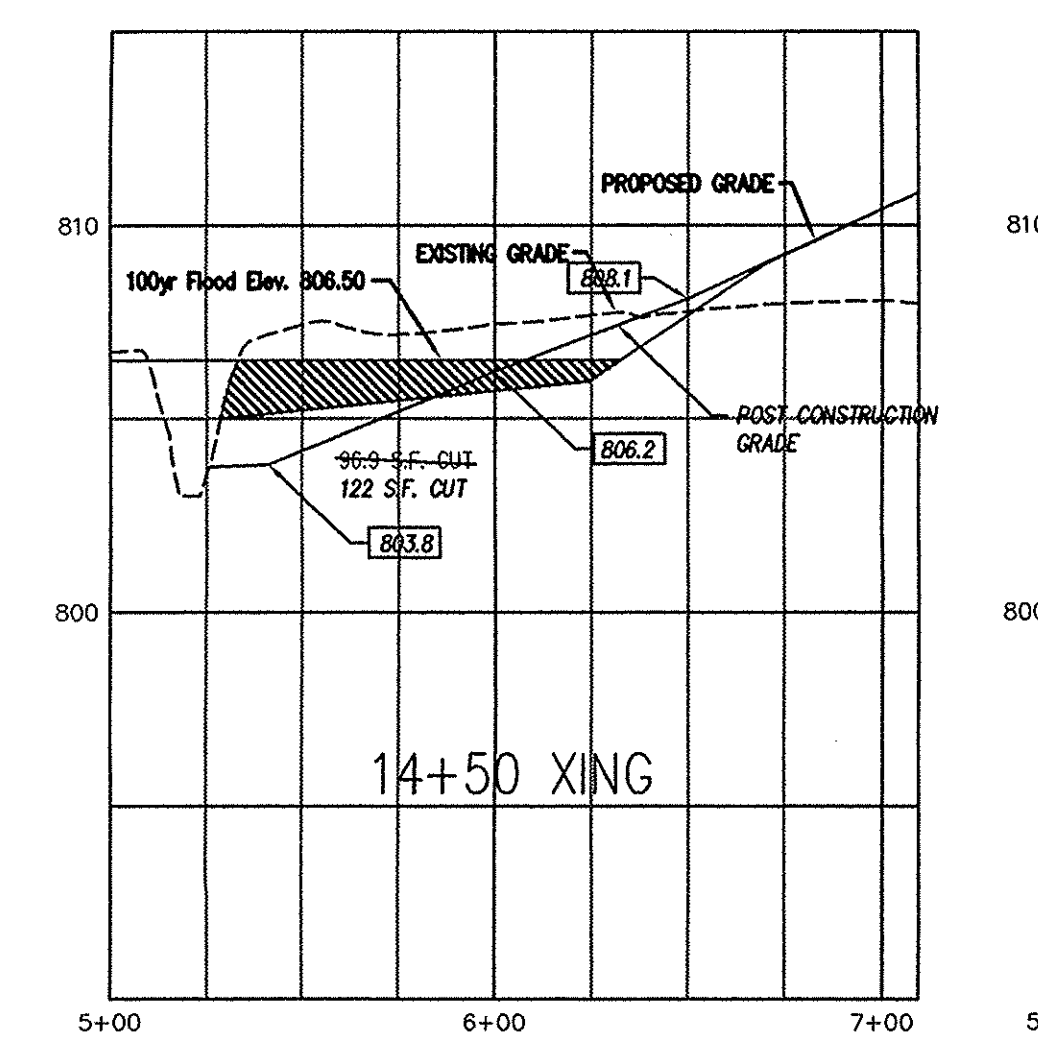
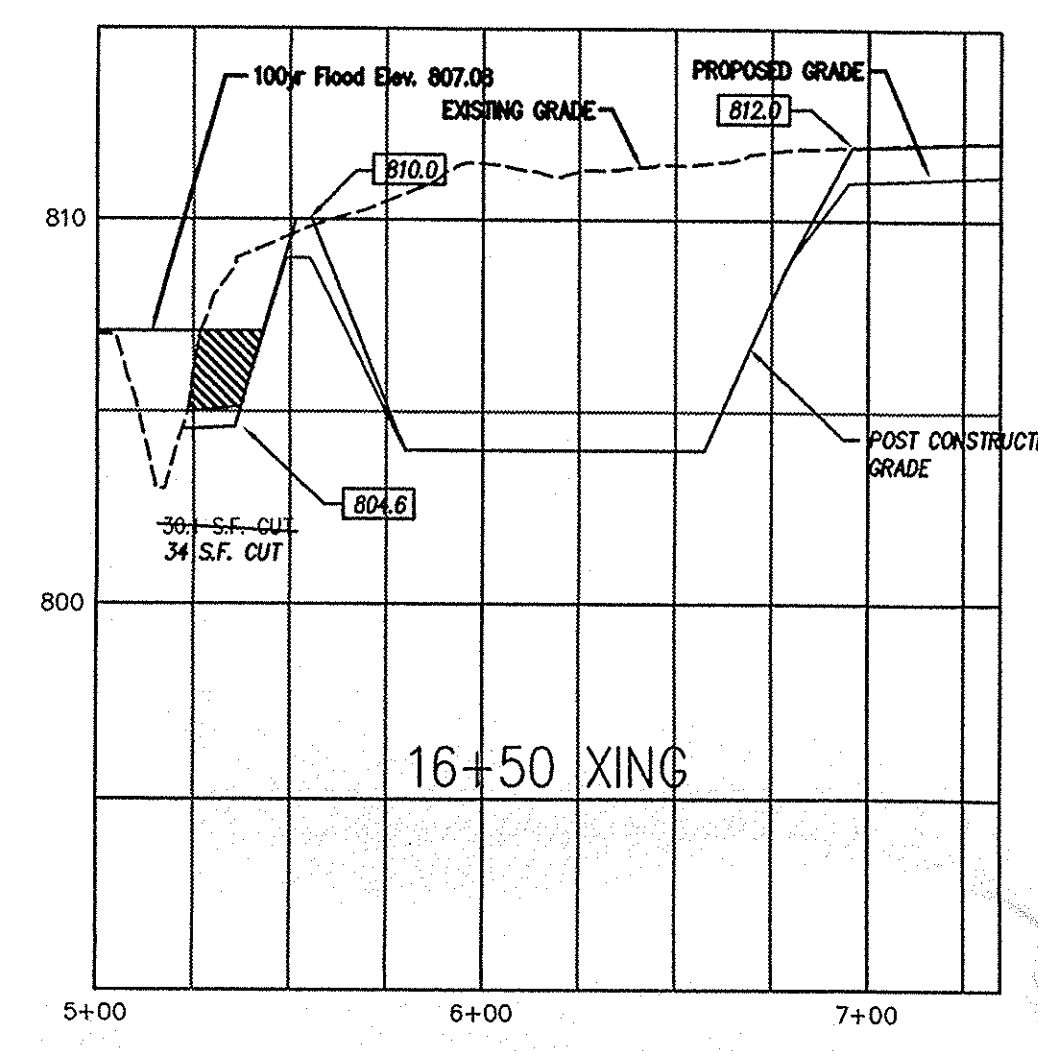
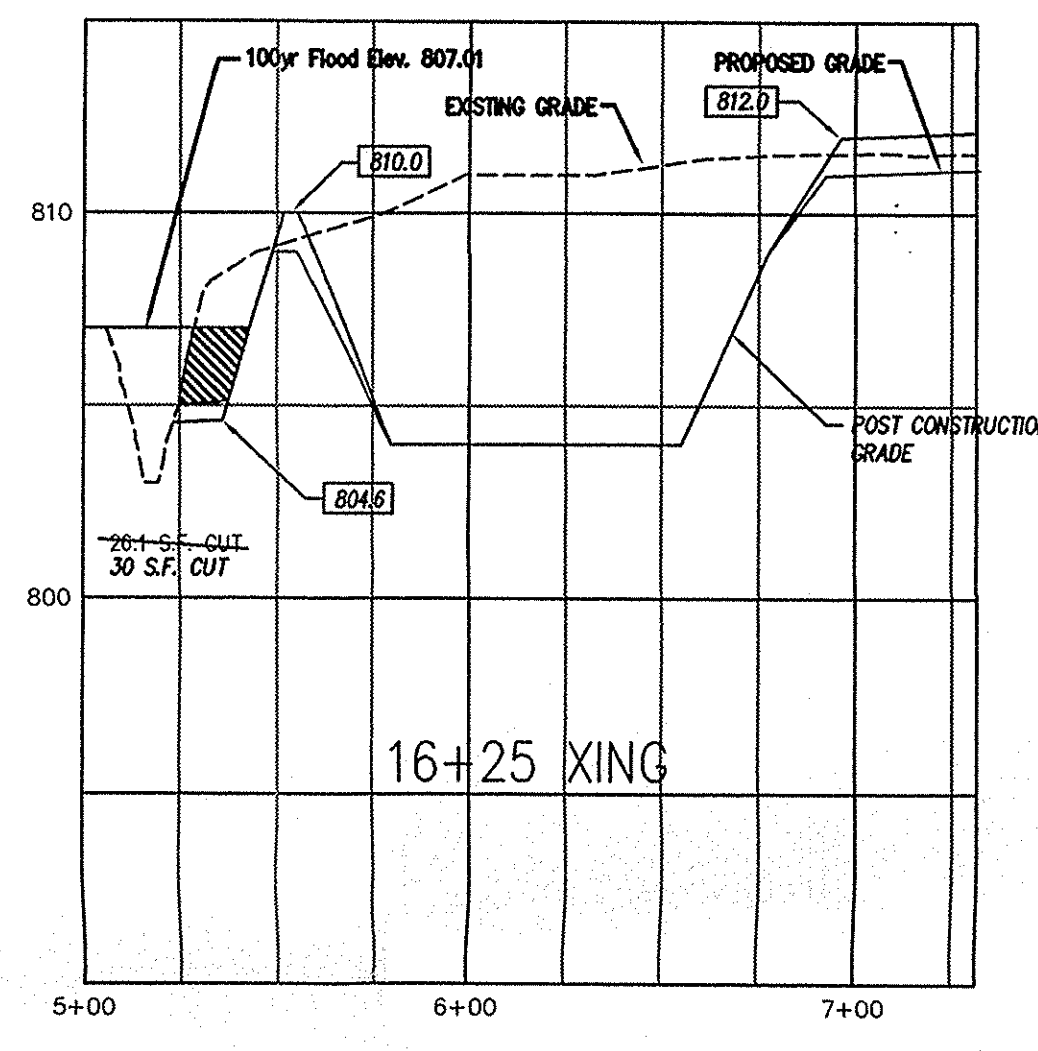
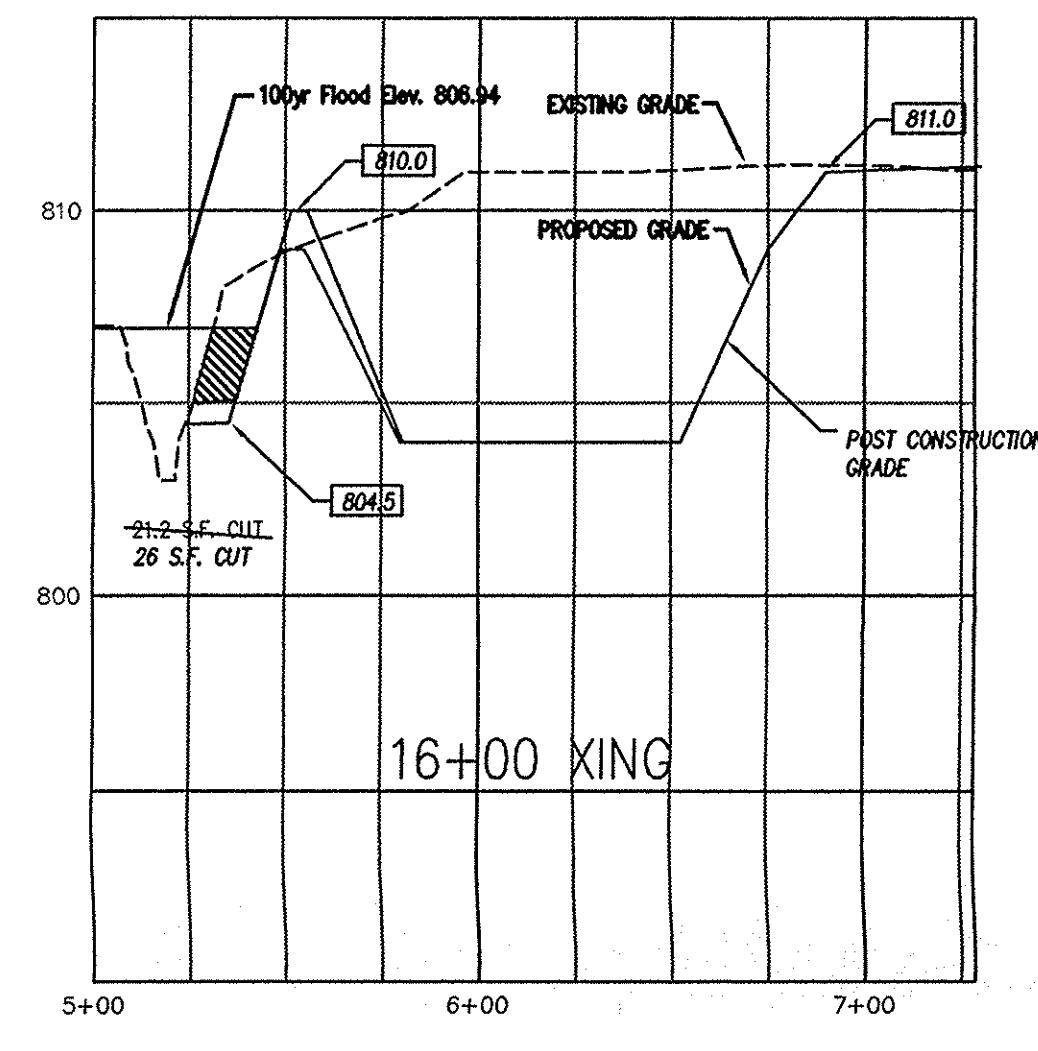
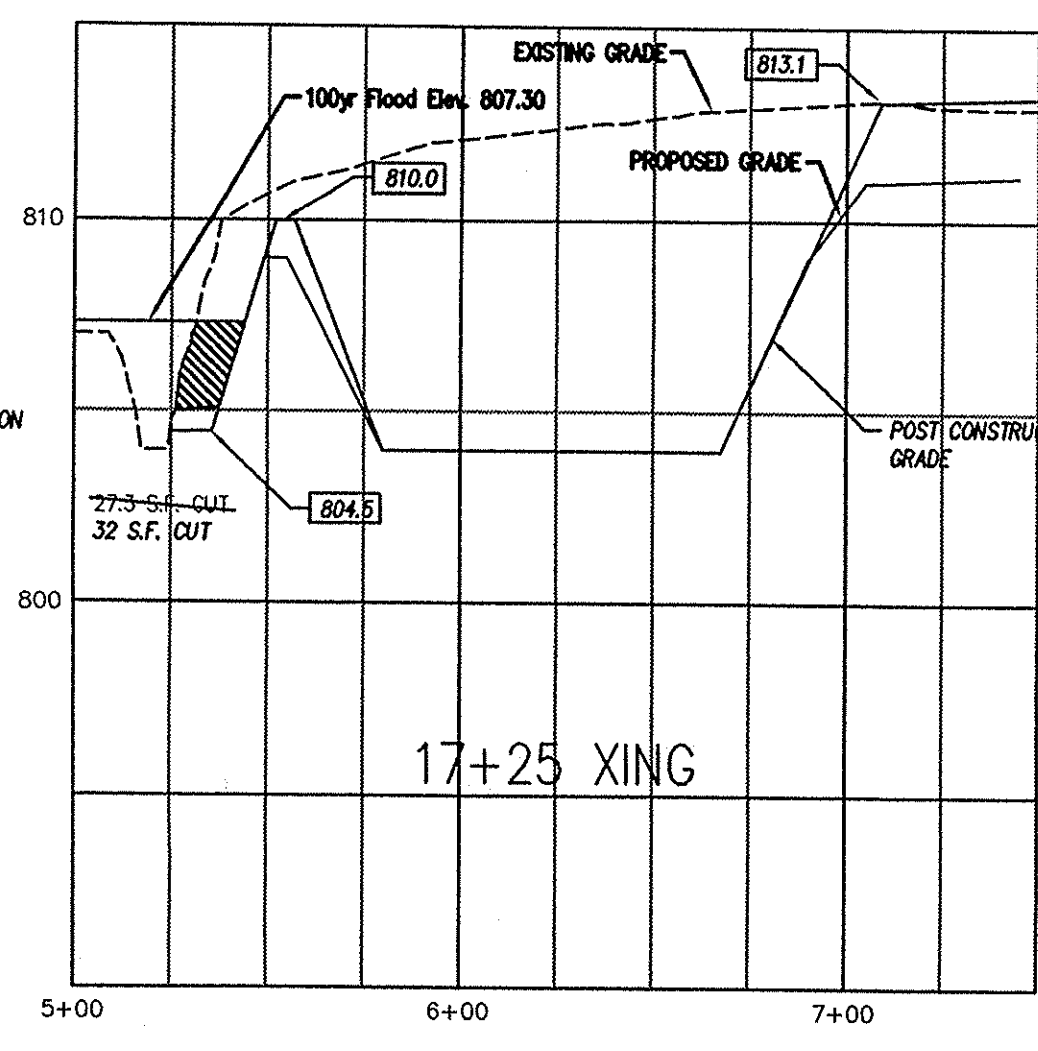
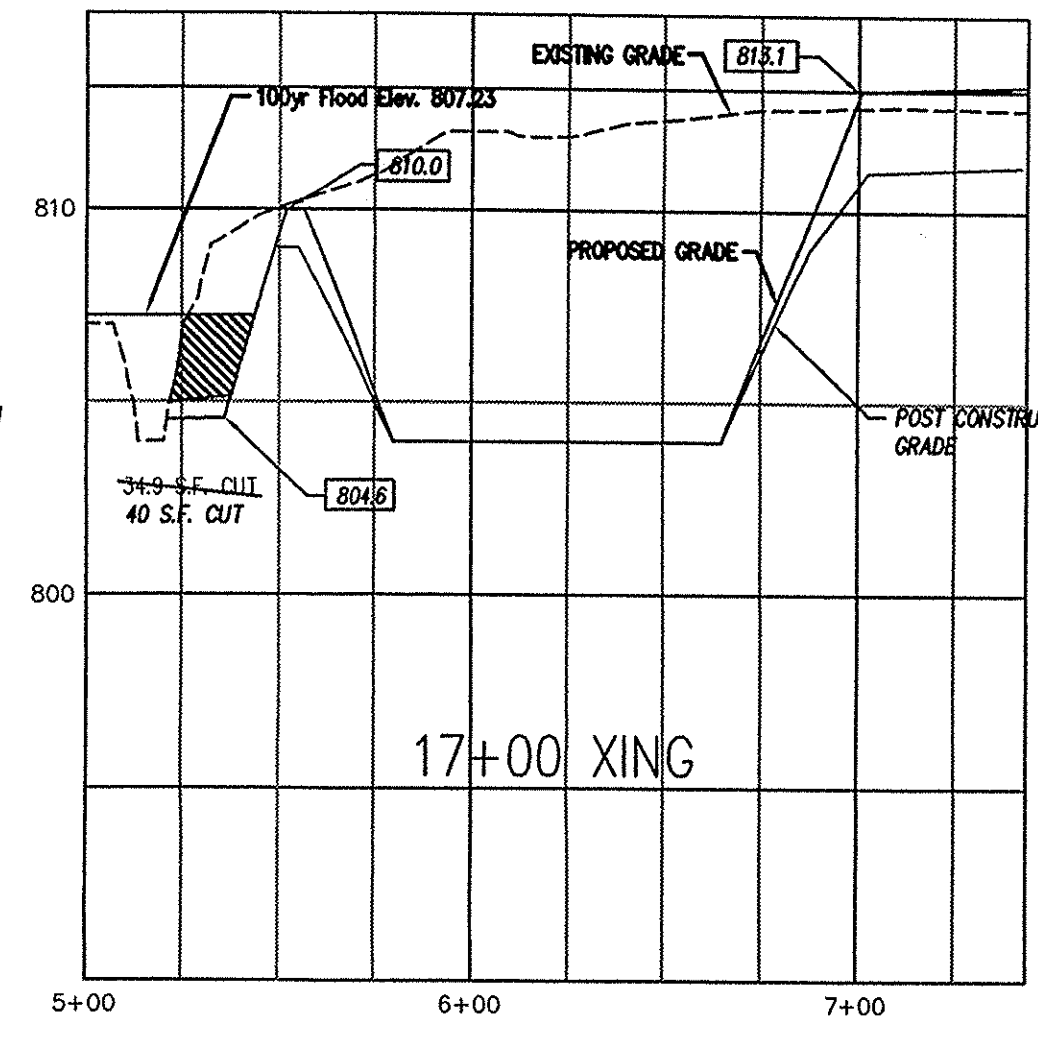
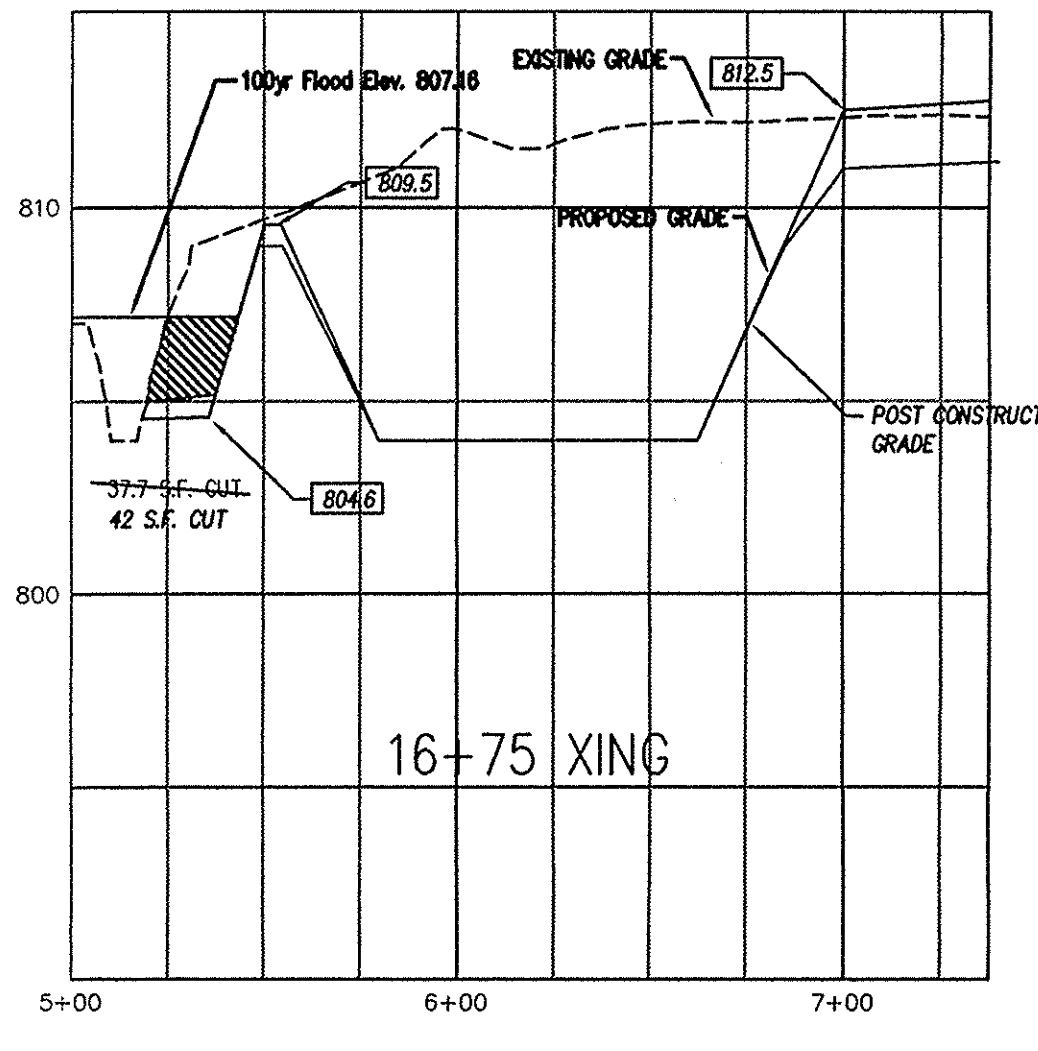
*Evan J. Evans*  
 Evan J. Evans, Reg. Land Surveyor No. LS 910024  
 State of Indiana  
 Date: July 20, 2007



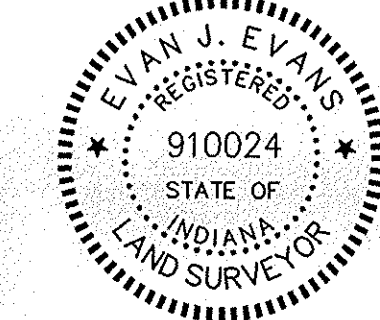
**As-Built Legend**

- EXISTING GRADE (MEASURED GRADE BEFORE EARTHWORK)
- PROPOSED GRADE (DESIGN GRADE)
- POST CONSTRUCTION GRADE (MEASURED GRADE AFTER EARTHWORK)
- AS-BUILT ELEVATION





**As-Built Legend**  
 EXISTING GRADE (MEASURED GRADE BEFORE EARTHWORK)  
 PROPOSED GRADE (DESIGN GRADE)  
 POST CONSTRUCTION GRADE (MEASURED GRADE AFTER EARTHWORK)  
 [813.5] AS-BUILT ELEVATION



**As-Built Certificate**

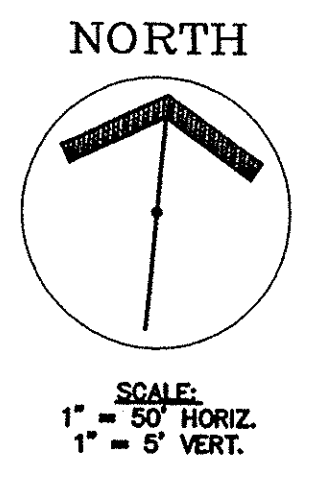
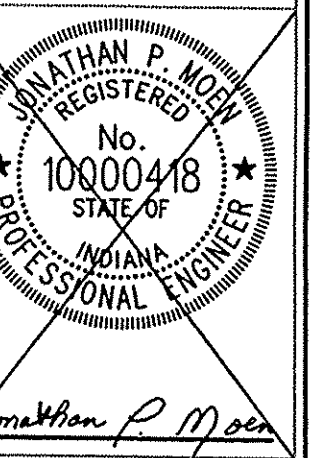
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 Evan J. Eads, Reg. Land Surveyor No. LS 910024  
 State of Indiana  
 Date: July 20, 2007

**MPA**  
 MELTON-PACKARD & ASSOCIATES  
 Civil Engineers • Land Planners  
 8444 Castledown Drive • Suite 700 • Indianapolis, Indiana 46250  
 Office: (317) 577-0098 • Fax: (317) 577-1879

SHEET TITLE: BOOTH-WHITE FLOODPLAIN CUT/FILL SECTIONS  
 PROJECT NAME: DEER PATH GRADING AS-BUILTS  
 SECTION TWELVE  
 NOBLESVILLE, INDIANA

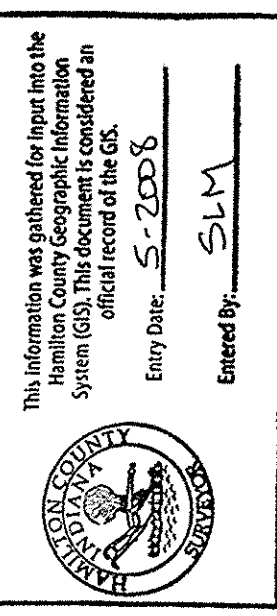
**REVISIONS**

04/05/06	REV. PER COMMENT LETTER DATED 04/05/06
05/04/06	REV. PER COMMENT LETTER DATED 04/26/06
07/20/07	AS-BUILT INFO. ADDED



EXISTING AERIAL TOPOGRAPHIC MAPPING BY ACCU-AIR SURVEYS, INC. OF SEYMOUR, INDIANA (COMPLETED DECEMBER, 1990) CONTOURS SHOWN ARE IN 1-FOOT INCREMENTS.

DRAWING: 907112301  
 DATE: 10/03/05  
 PROJ. NO.: 9071-12  
 DRAWN BY: MAG  
 SHEET NO.: C201-C  
 TUBE FILE #



**NOTES**

- BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
- WATER SERVICE TO BE DESIGNED AND INSTALLED BY THE INDIANA AMERICAN WATER CO. NOTE: ALL 12" WATER MAIN SHALL BE DUCTILE IRON PIPE WITH POLY WRAP PER I.A.W.C. DESIGN STANDARDS.
- ALL DISTURBED GROUND SHALL BE PROMPTED WITH EROSION CONTROL METHODS IMMEDIATELY SUBSEQUENT TO DISTURBANCE, SUBJECT TO WEATHER (SEE SHEET "C202" AND EROSION CONTROL SPECIFICATIONS).
- THE FOLLOWING UTILITY COMPANIES WILL PROVIDE DESIGN AND LAYOUT OF THEIR RESPECTIVE UTILITIES:
  - ELECTRIC - ONEY/PSI
  - TELEPHONE - AMERITECH
  - GAS - INDIANA GAS CO.
- SERVICE WALKS TO BE INSTALLED ON BOTH SIDES OF STREET (BY OTHERS) AND SHALL BE HIGH-REINFORCED CONCRETE 4" THICK AND 4'-0" IN WITH (SEE TYPICAL SECTION SHEET NO. C203).
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS, AND PERPENDICULAR SIDEWALKS AT 5'-0" INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20'-0" OR LESS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- RCP = REINFORCED CONCRETE PIPE CLASS III  
PVC = POLYVINYL CHLORIDE  
    - SANITARY SEWER - ASTM D-3034, SDR-35
- T.C. = TOP OF CURB = TOP OF CASTING
- 10 LINEAL FEET OF 4" SURFACE DRAIN REQUIRED EACH WAY (UPGRADE) FROM ALL REAR STORM INLETS (UNLESS OTHERWISE NOTED ON PLANS), CONTINUOUS 4" SURFACE DRAIN REQUIRED UNDER CURBS.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT UNIFIED DEVELOPMENT ORDINANCE AND HOBSLEVILLE CONSTRUCTION STANDARDS AS PUBLISHED BY THE CITY OF HOBSLEVILLE.
- REINFORCED CONCRETE STORM SEWER SHALL HAVE "O" RING GASKETS UNLESS OTHERWISE NOTED ON PLANS.
- TRAFFIC CONTROL AND STREET SIGNS TO BE INSTALLED IMMEDIATELY SUBSEQUENT TO PLACEMENT OF ASPHALT BINDER.
- ANY EXISTING FIELD TILES LOCATED DURING CONSTRUCTION WILL NEED INCORPORATED INTO THE PROPOSED STORM SEWER.
- EXISTING TOPOGRAPHY BY ACQU-AIR SURVEYS, INC. OF SEYMOUR, INDIANA
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT PROVISIONS OF THE AMERICAN DISABILITIES ACT (ADA).
- PURSUANT TO THE HOBSLEVILLE UNIFIED DEVELOPMENT ORDINANCE, ARTICLE 6, PART E, SECTION 10A(3), NO NET LOSS OF FLOODWAY PRINCE SHALL OCCUR.

**LEGEND**

PROPOSED		EXISTING	
	SPOT ELEVATION		SPOT ELEVATION
	GRADE		CONTOUR
	MANHOLE		MANHOLE
	INLET		INLET
	PIPE END SECTION		GAS LINE
	UNDERGROUND TELEPHONE		WATER LINE
	WATER VALVE		WATER VALVE
	FIRE HYDRANT		FIRE HYDRANT
	STRUCTURE NUMBER		STRUCTURE NUMBER
	WATER MAIN		WATER MAIN
	FIRE HYDRANT		FIRE HYDRANT
	WATER VALVE		WATER VALVE
	FLUSH VALVE REDUCER		FLUSH VALVE REDUCER
	DRAINAGE EASEMENT		DRAINAGE EASEMENT
	UTILITY EASEMENT		UTILITY EASEMENT
	LANDSCAPE EASEMENT		LANDSCAPE EASEMENT
	SANITARY SEWER EASEMENT		SANITARY SEWER EASEMENT
	TYPICAL PAD		TYPICAL PAD

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Entry Date: May 2008

Entered by: SEM

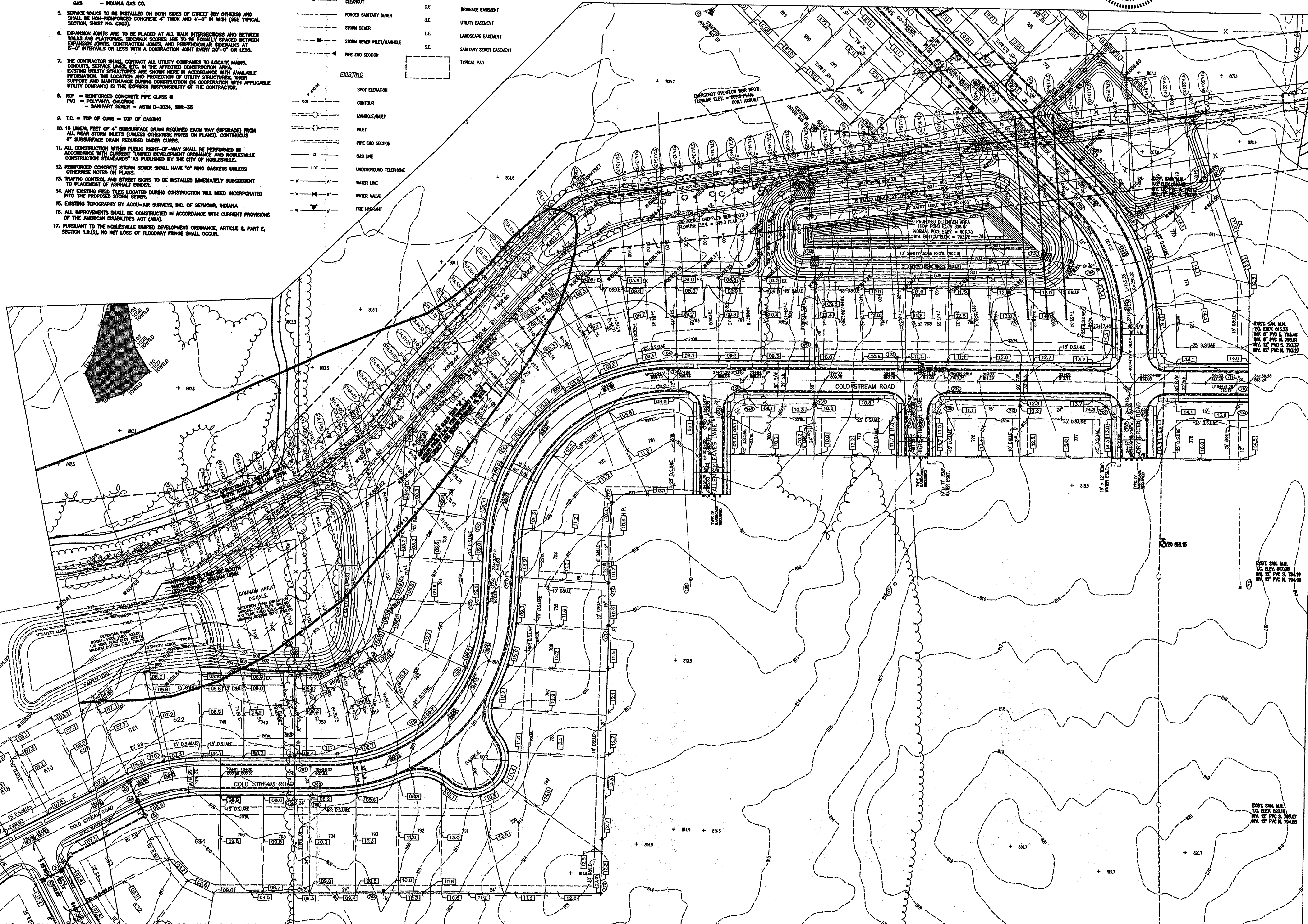
**As-Built Certificate**

I certify that this drawing and the spot shot shown hereon represent an as-built survey of the complementary areas of Deer Path 12.

*[Signature]*

Evan J. Evans, Reg. Land Surveyor No. LS 910024  
State of Indiana

Date: July 20, 2007



**MPA** MELTON-PACKARD & ASSOCIATES  
Civil Engineers • Land Planners  
8444 Castewood Drive • Suite 700 • Indianapolis, Indiana 46250  
Office: (317) 577-0089 • Fax: (317) 577-1879

**SITE DEVELOPMENT PLAN**  
**DEER PATH GRADING AS-BUILT**  
SECTION TWELVE  
NOBLESVILLE, INDIANA

**REVISIONS**

10/24/05	revised per loc letter dated 10/12/05 and street notes
12/1/05	revised pads per client mg
03/20/06	REV. STORM STR. 702
03/20/06	REV. STORM STR. 702
05/04/06	revised booth-white floodgates
05/04/06	revised sections
07/20/07	AS-BUILT MFG. ADDED

THOMAS P. MOON  
REGISTERED PROFESSIONAL ENGINEER  
No. 10000418  
STATE OF INDIANA

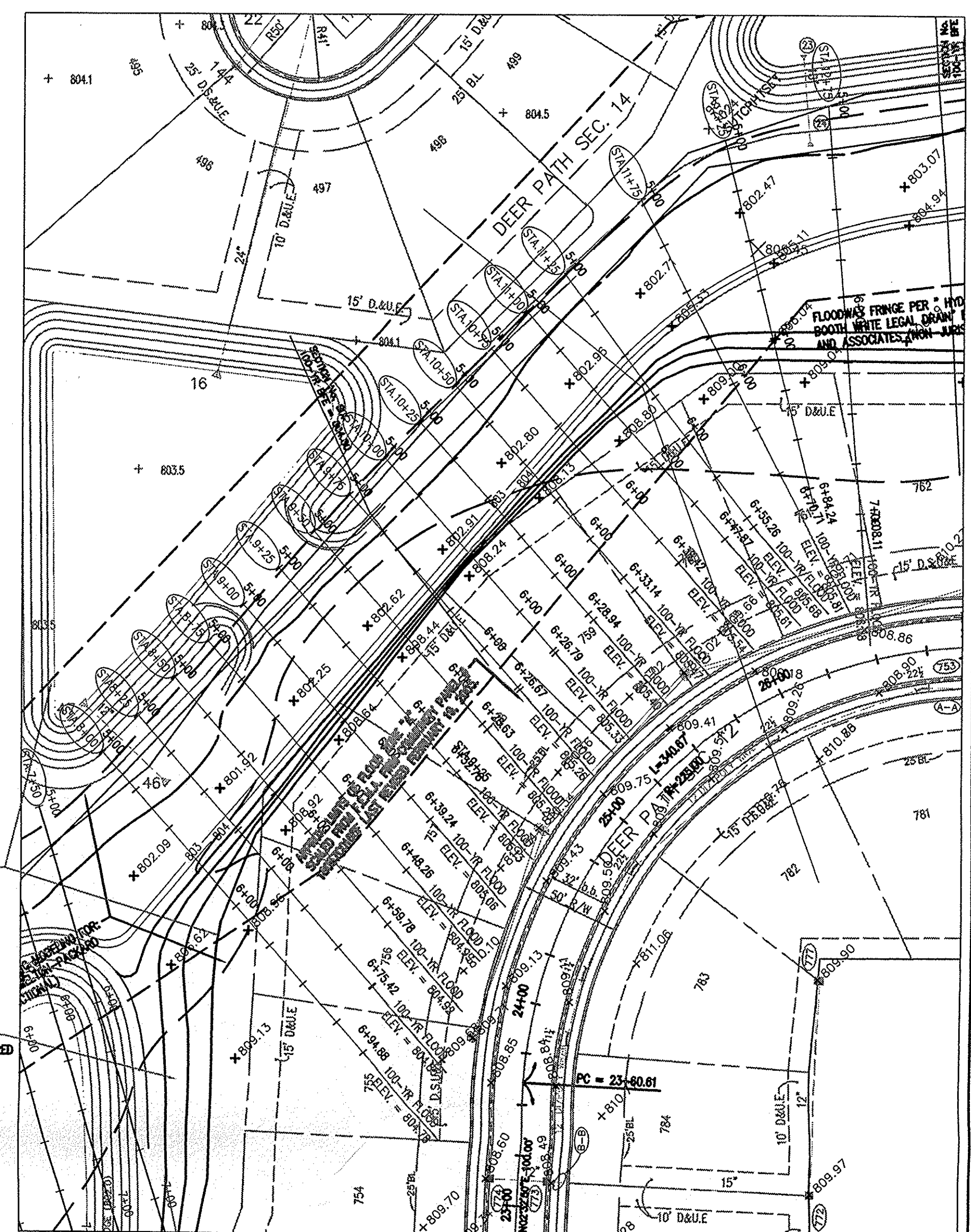
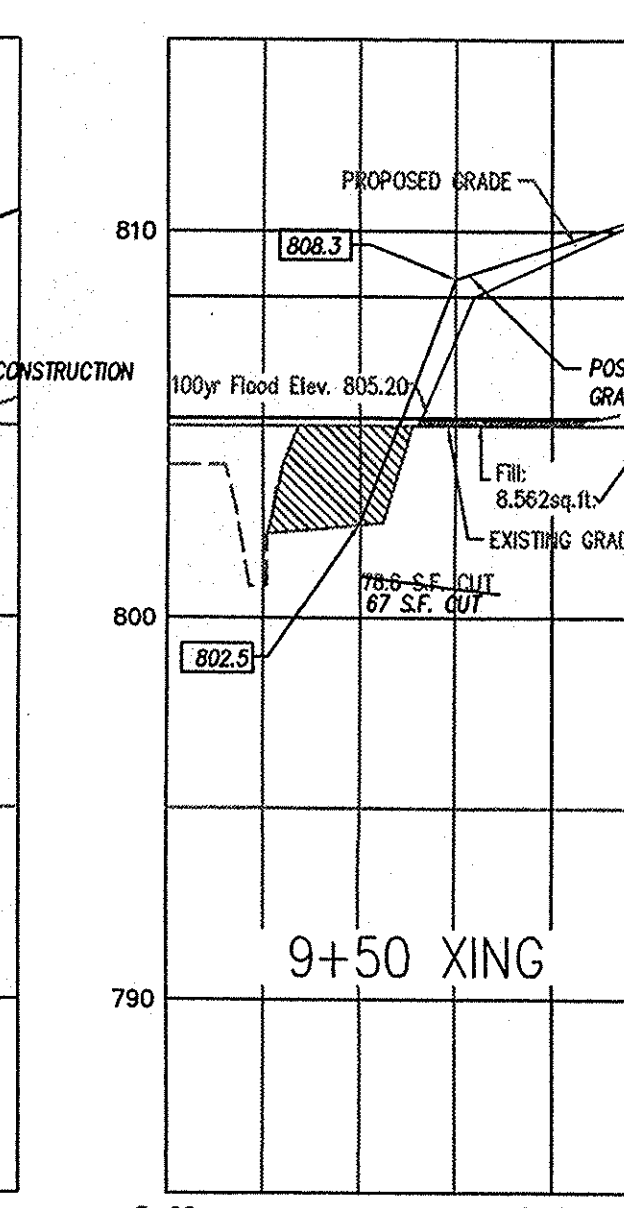
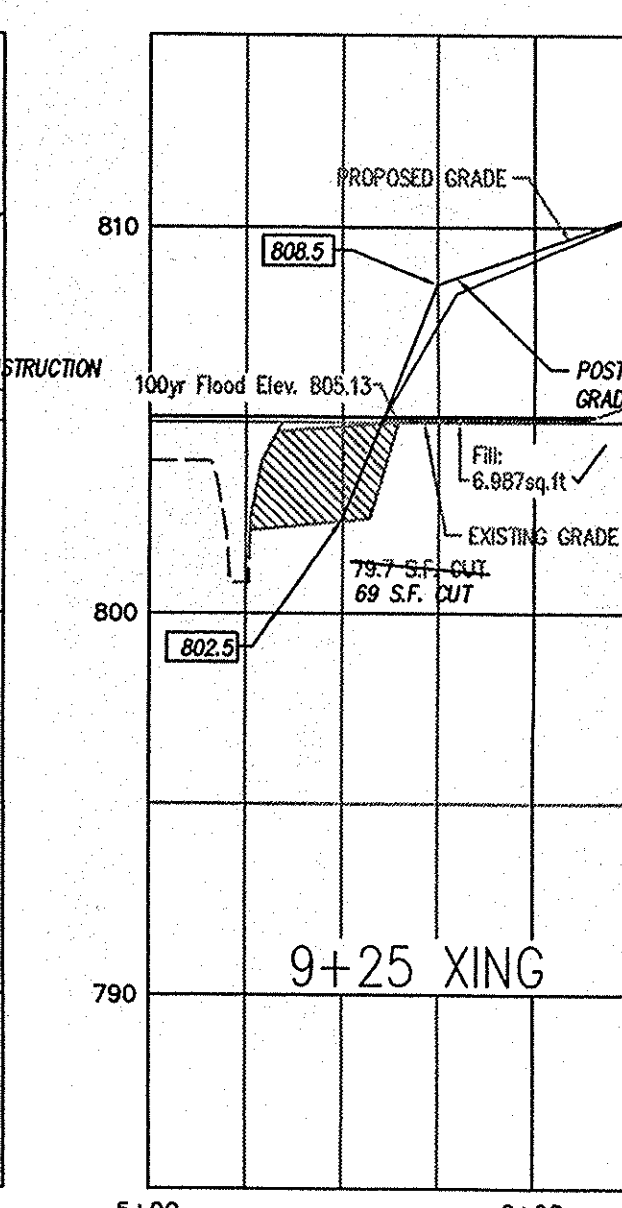
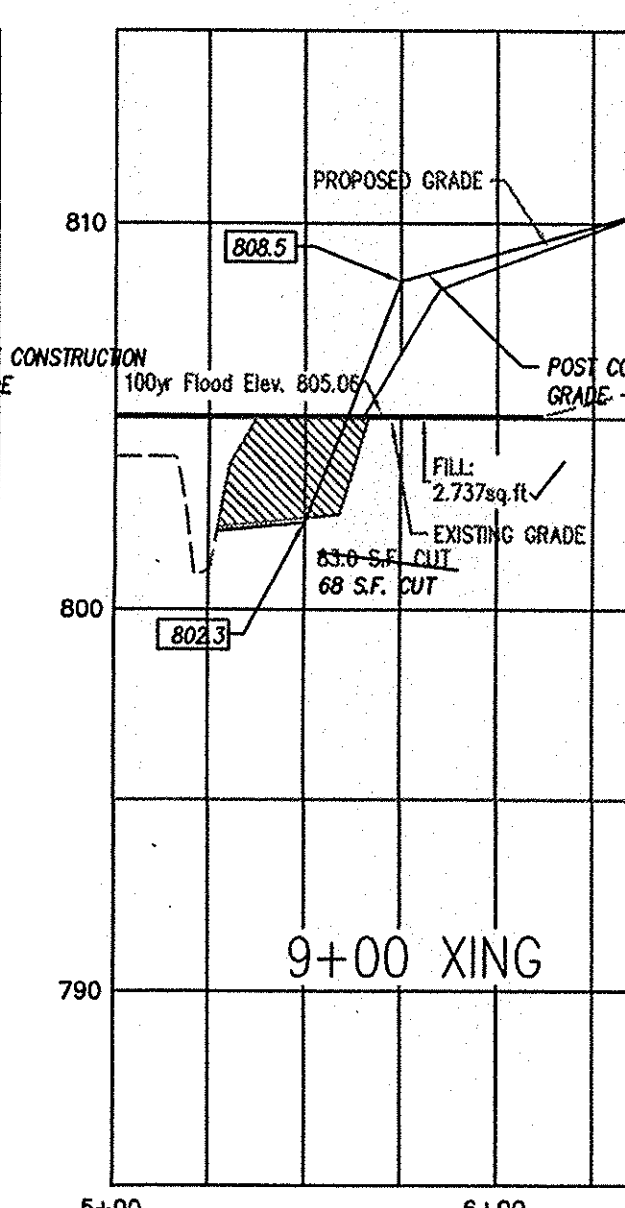
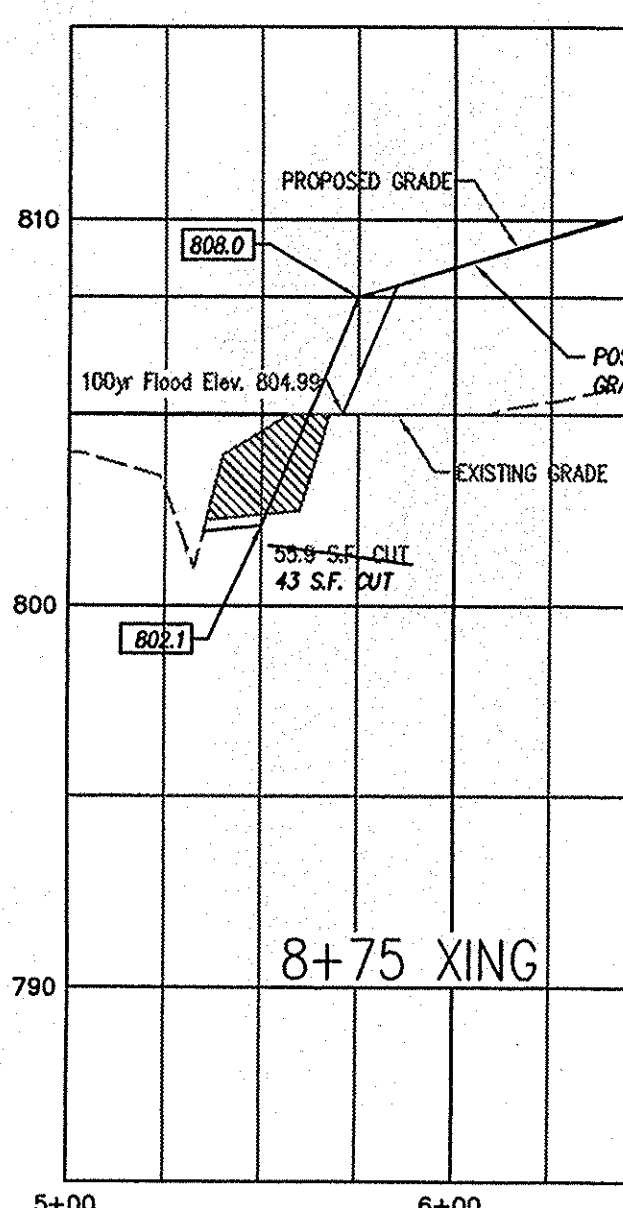
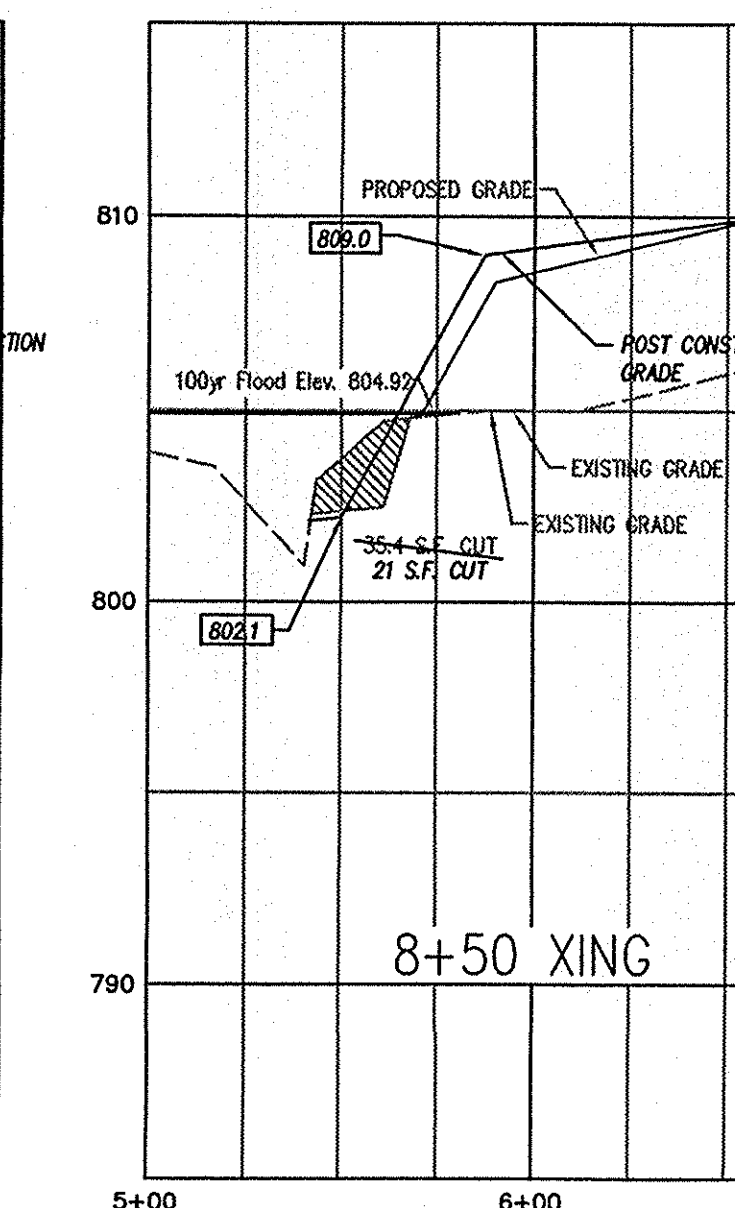
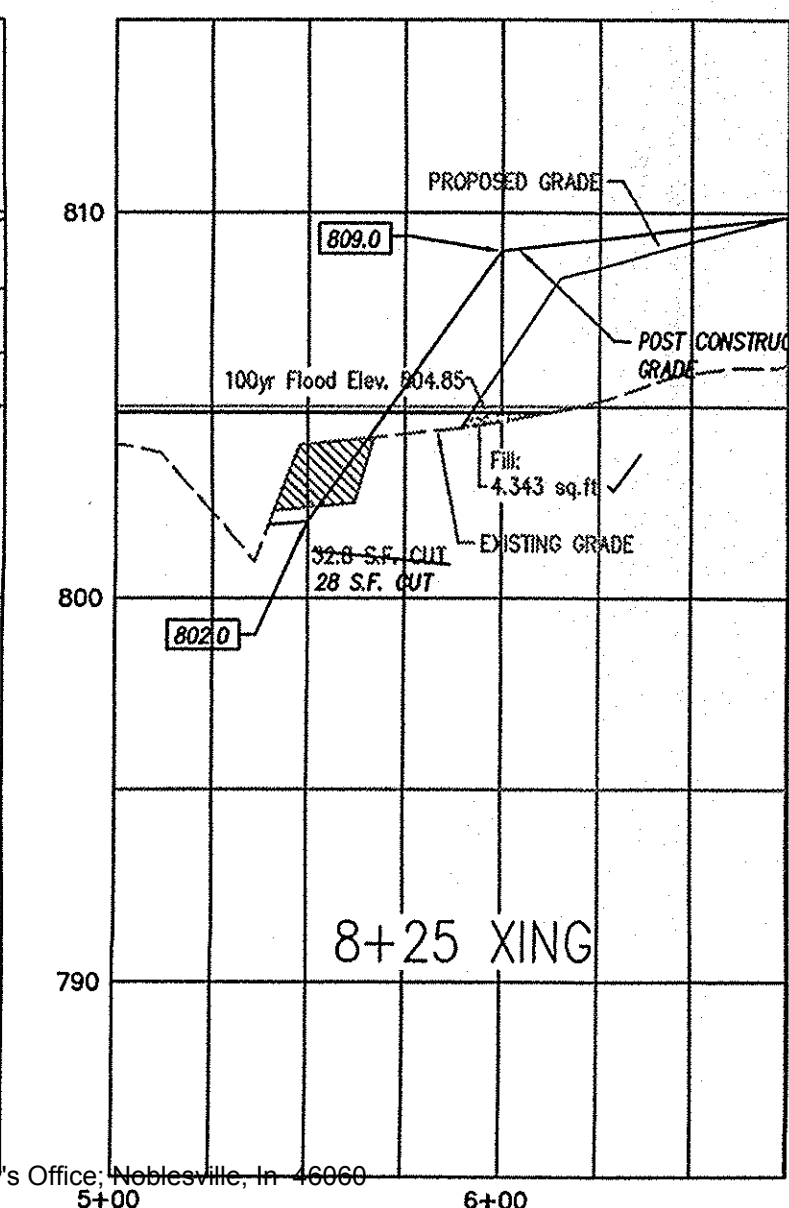
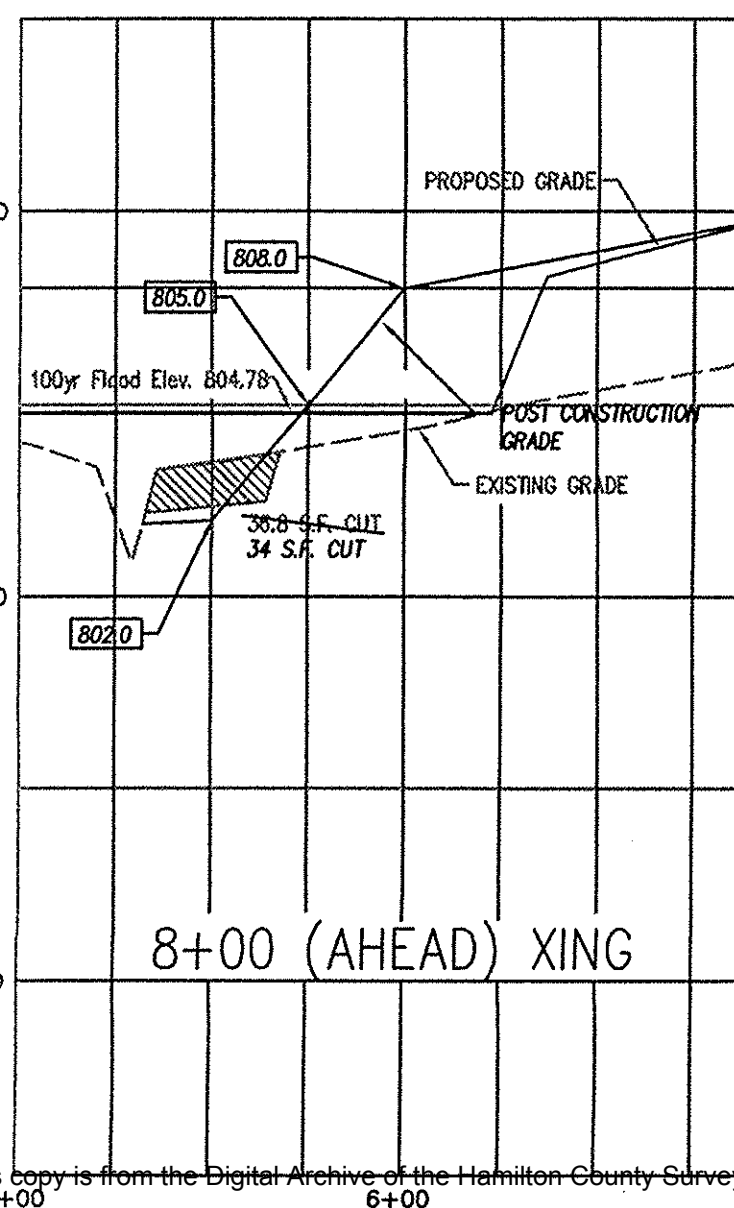
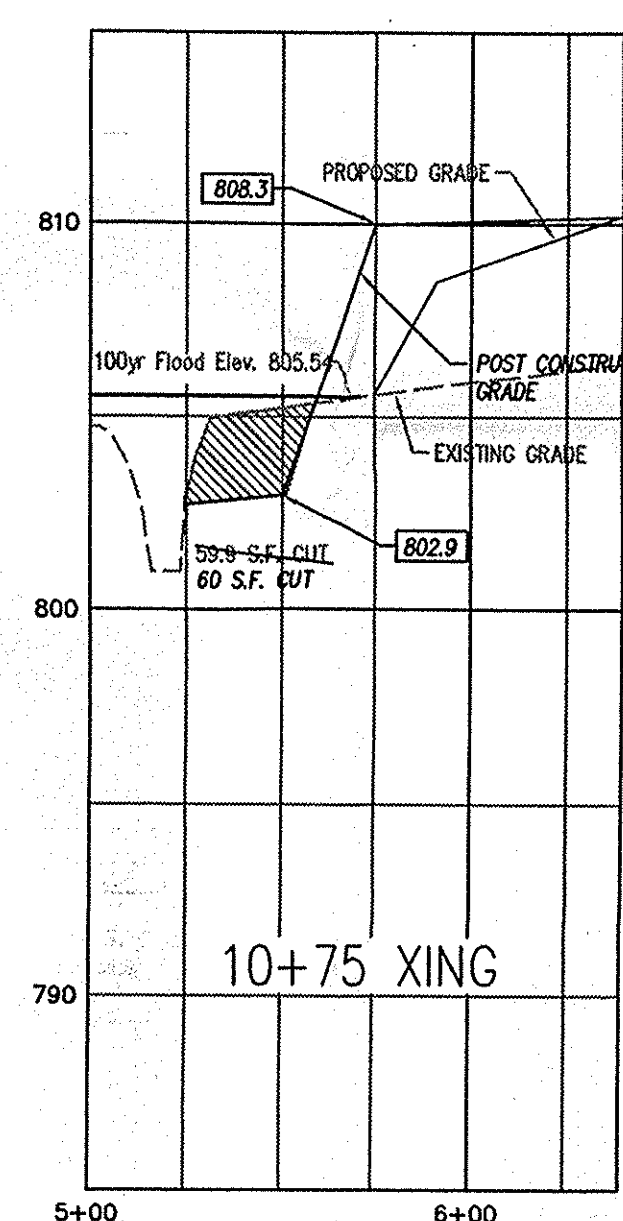
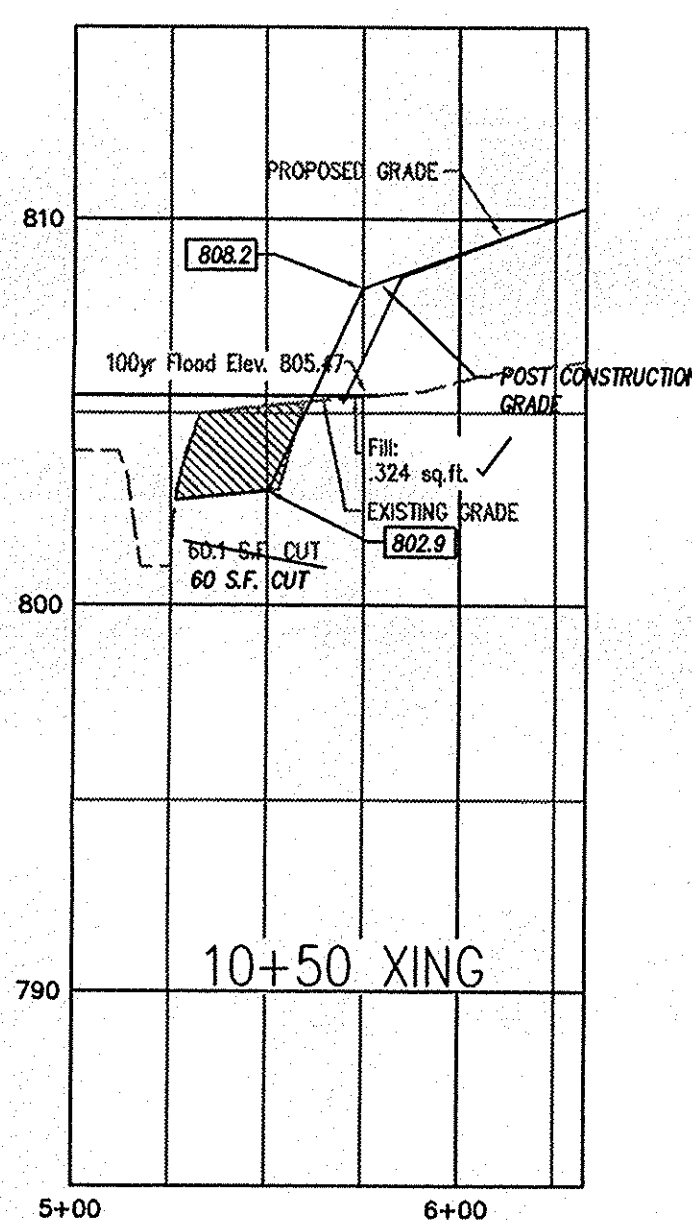
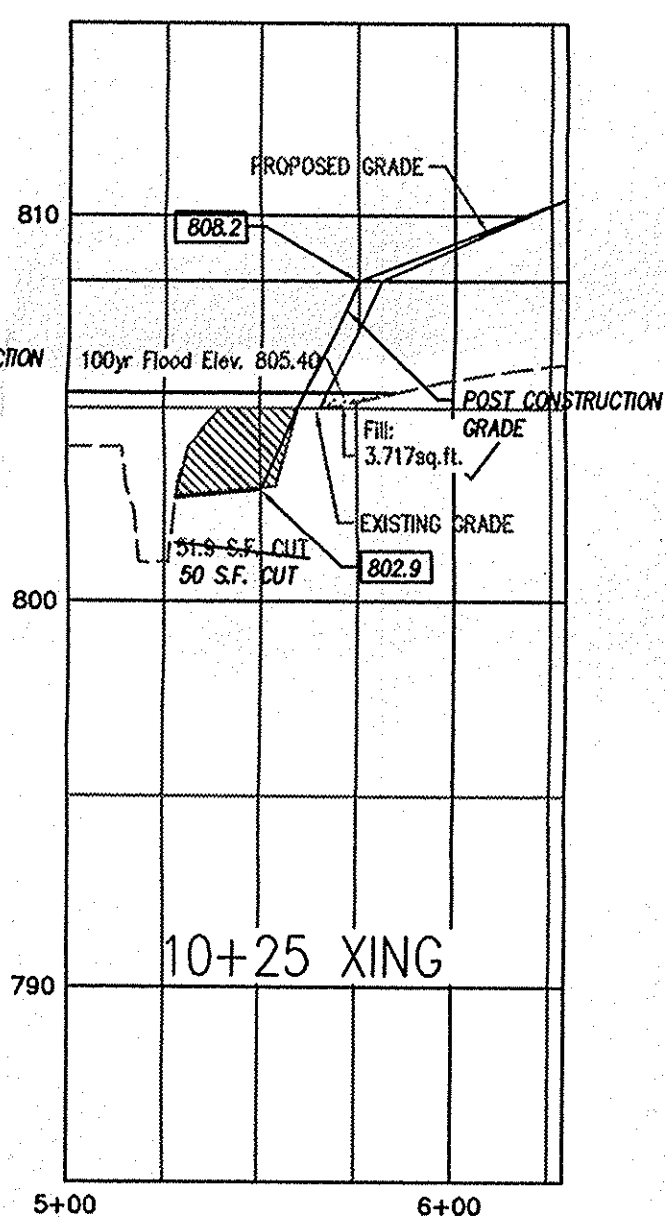
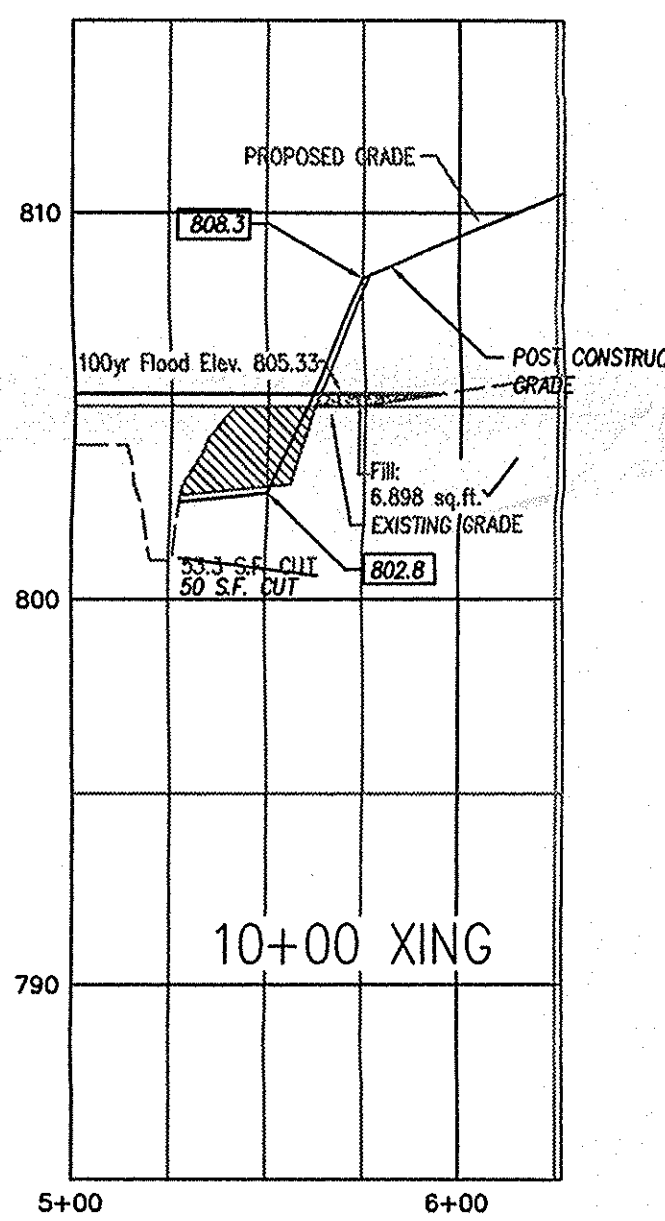
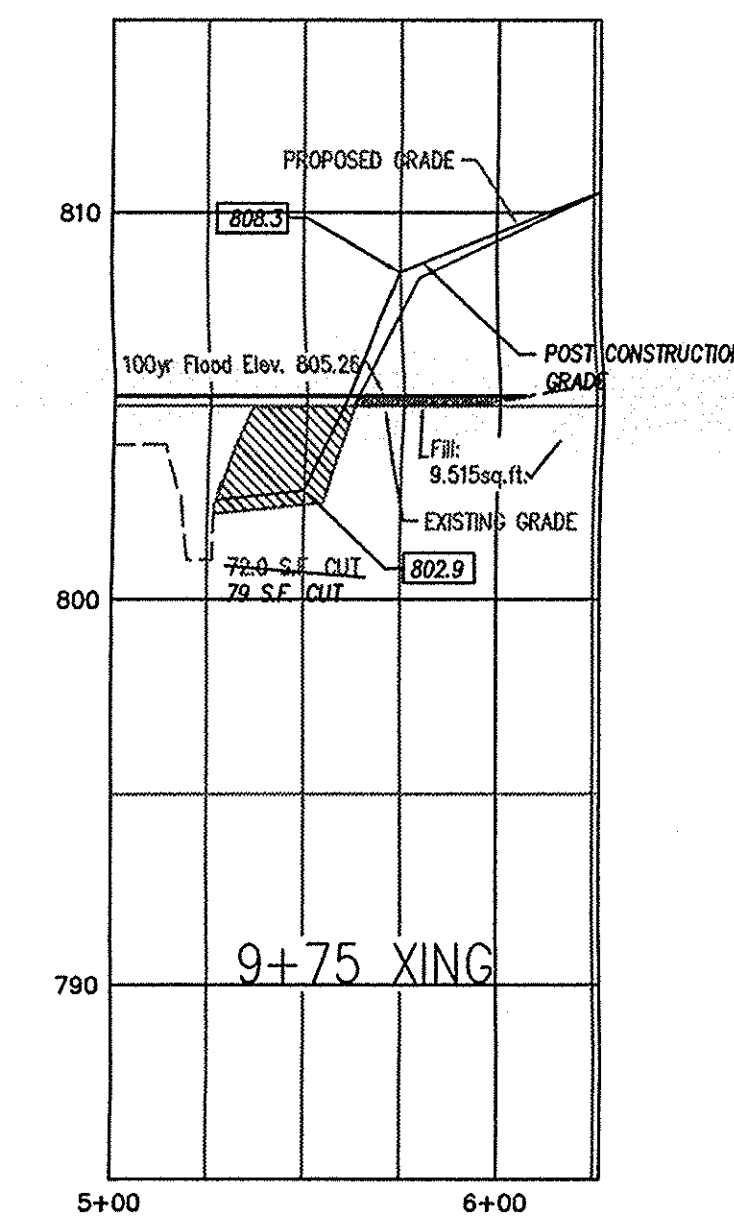
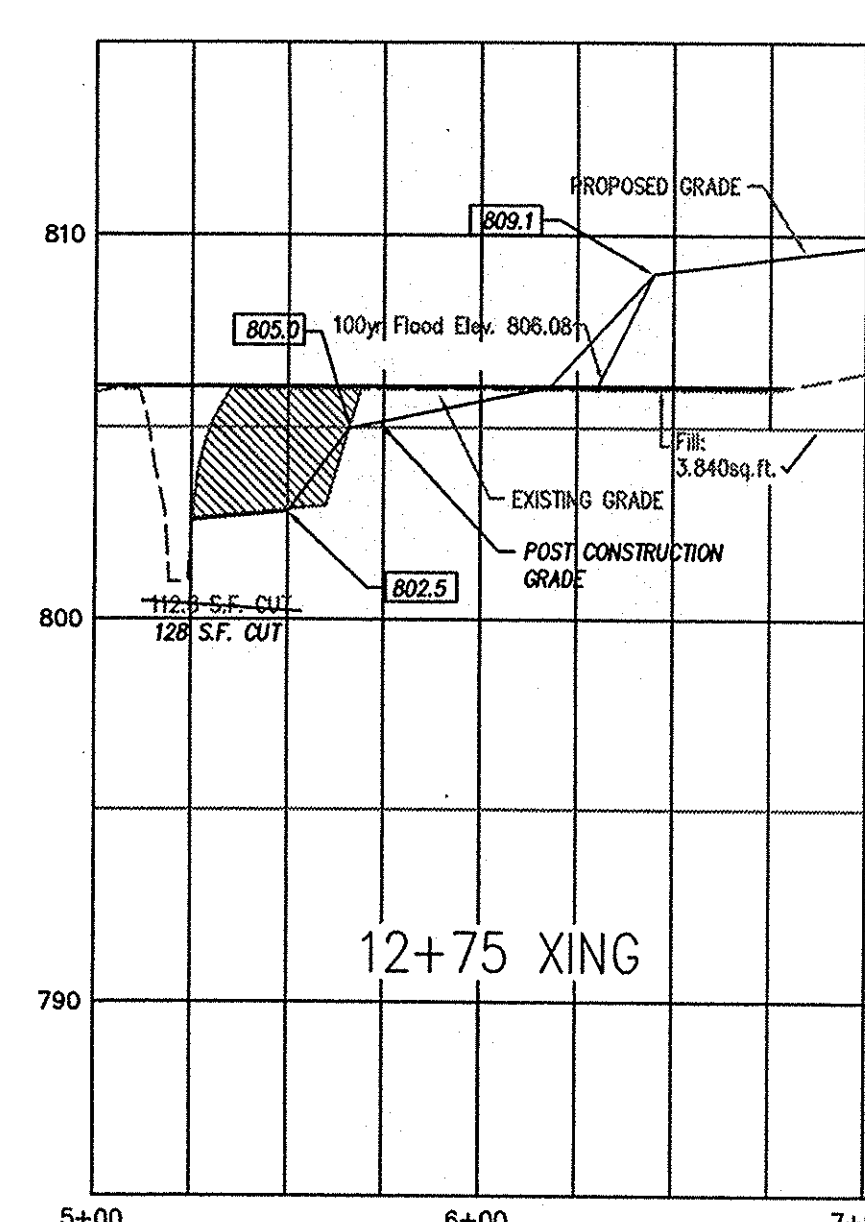
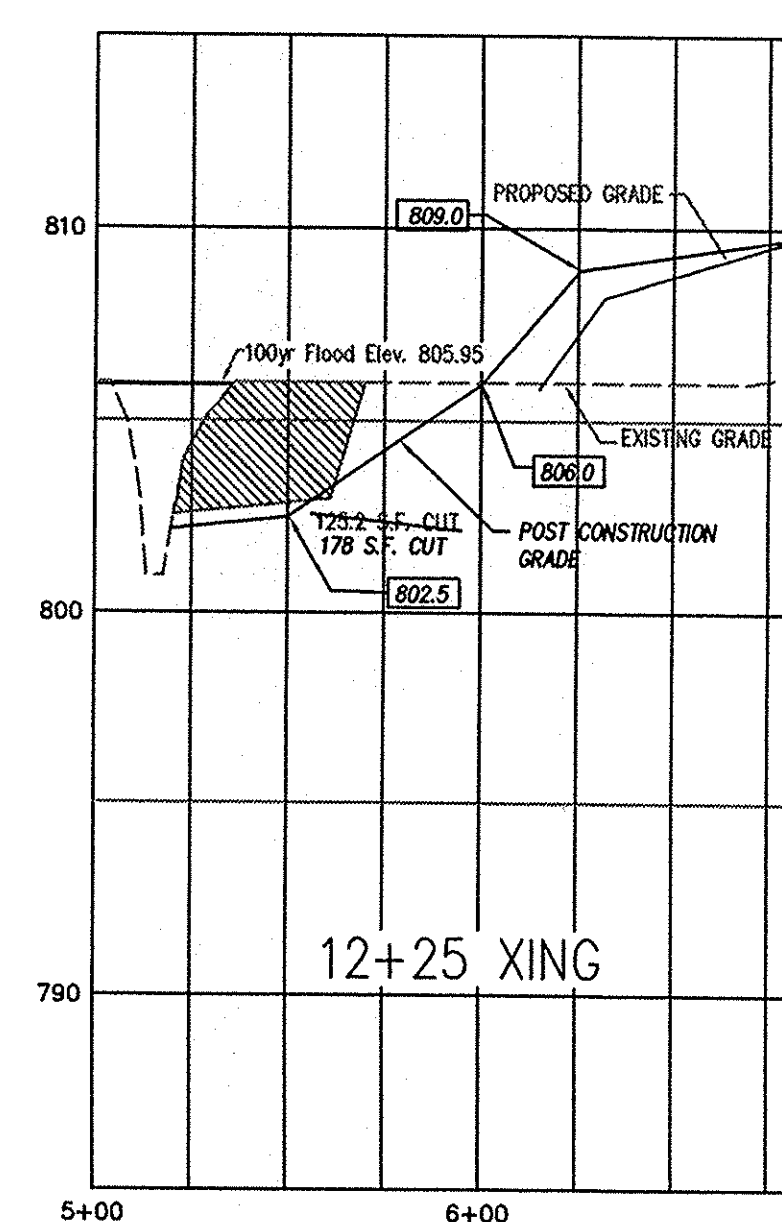
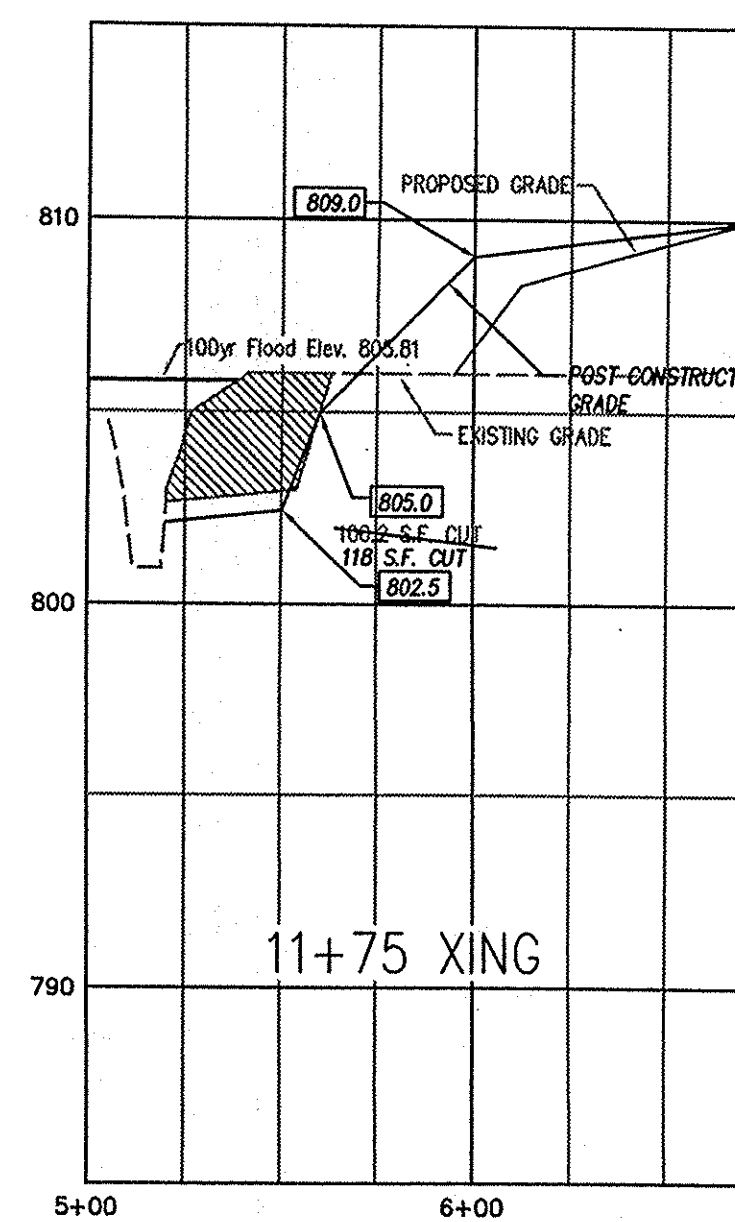
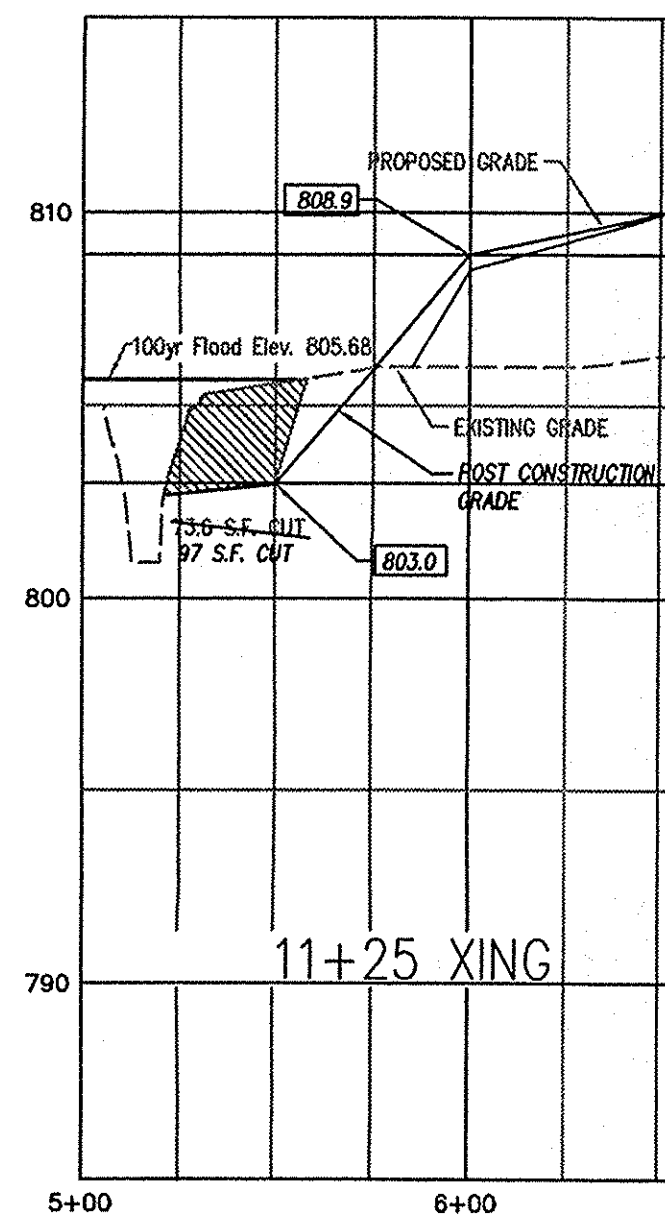
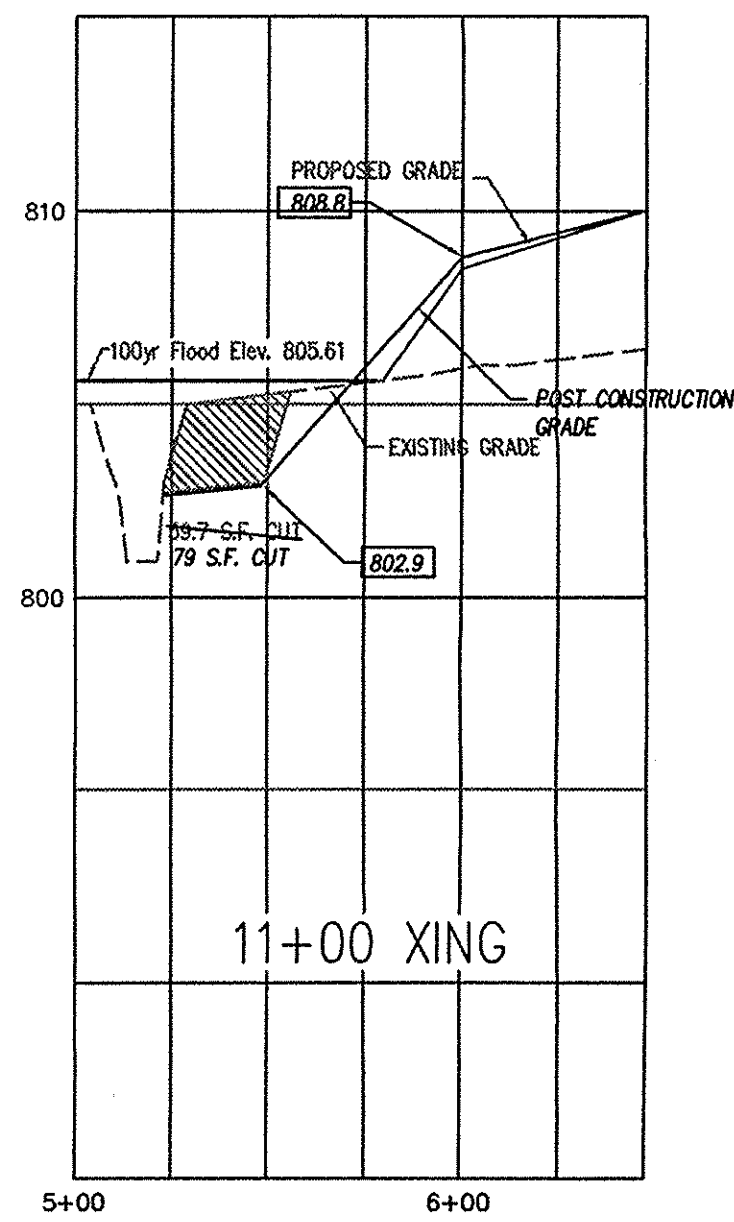
*[Signature]*

**NORTH**

SCALE: 1" = 60'

DRAWING: 907116201  
DATE: 10/03/05  
PROJ. NO.: 9071-17  
DRAWN BY: MAG

SHEET NO.:  
**C201**



FLOODPLAIN BOUNDARY PER BOOTH WHITE DITCH HYDRAULIC ANALYSIS NOBLESVILLE, INDIANA PREPARED BY CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL PROJ. NO. 05-691) DATED DECEMBER 2005

APPROX. LIMITS OF FLOOD ZONE AS SHOWN FROM LOCAL COMMUNITY PLANS REVISIONS LAST REVISION FEBRUARY 17, 2004

EXISTING AERIAL TOPOGRAPHIC MAPPING BY ACCU-AIR SURVEYS, INC. OF SEYMOUR, INDIANA (COMPLETED DECEMBER, 1990). CONTOURS SHOWN ARE IN 1-FOOT INCREMENTS.

**As-Built Certificate**

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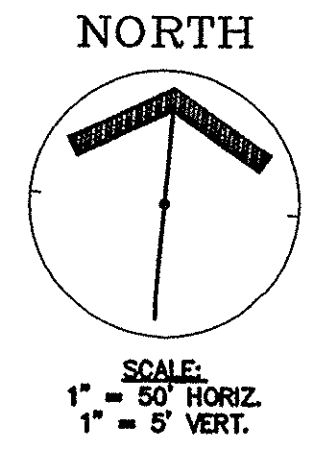
Evan J. Evans, Reg. Land Surveyor No. LS 910024  
State of Indiana  
Date: July 20, 2007

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**As-Built Legend**

- EXISTING GRADE (MEASURED GRADE BEFORE EARTHWORK)
- PROPOSED GRADE (DESIGN GRADE)
- POST CONSTRUCTION GRADE (MEASURED GRADE AFTER EARTHWORK)
- [813.5] AS-BUILT ELEVATION



**MPA**  
MELTON-PACKARD & ASSOCIATES  
Civil Engineers • Land Planners  
8444 Castlewood Drive • Suite 700 • Indianapolis, Indiana 46250  
Office: (317) 577-0669 • Fax: (317) 577-1879

SHEET TITLE: BOOTH-WHITE FLOODPLAIN CUT/FILL SECTIONS  
PROJECT NAME: DEER PATH GRADING AS-BUILT  
SECTION TWELVE  
NOBLESVILLE, INDIANA

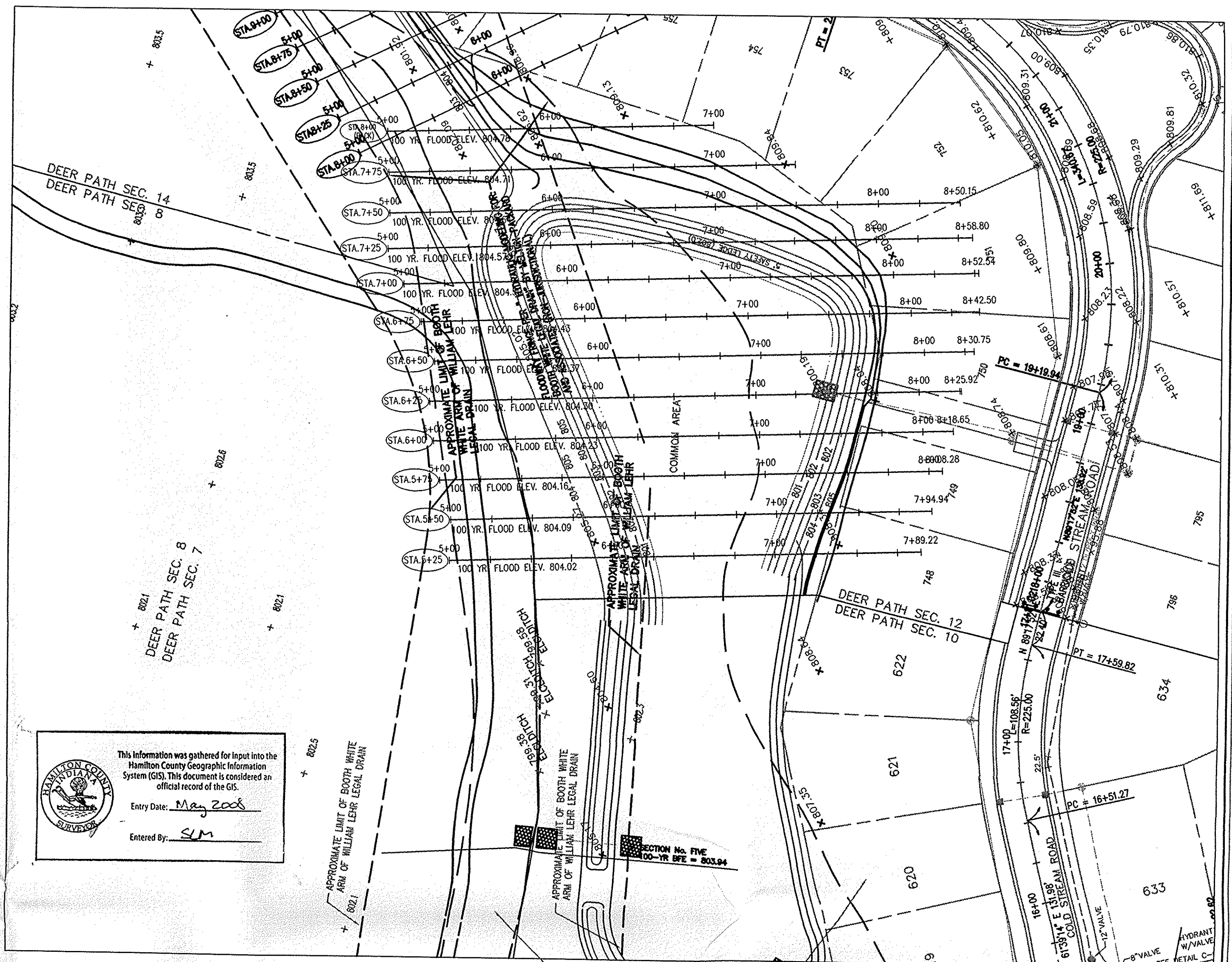
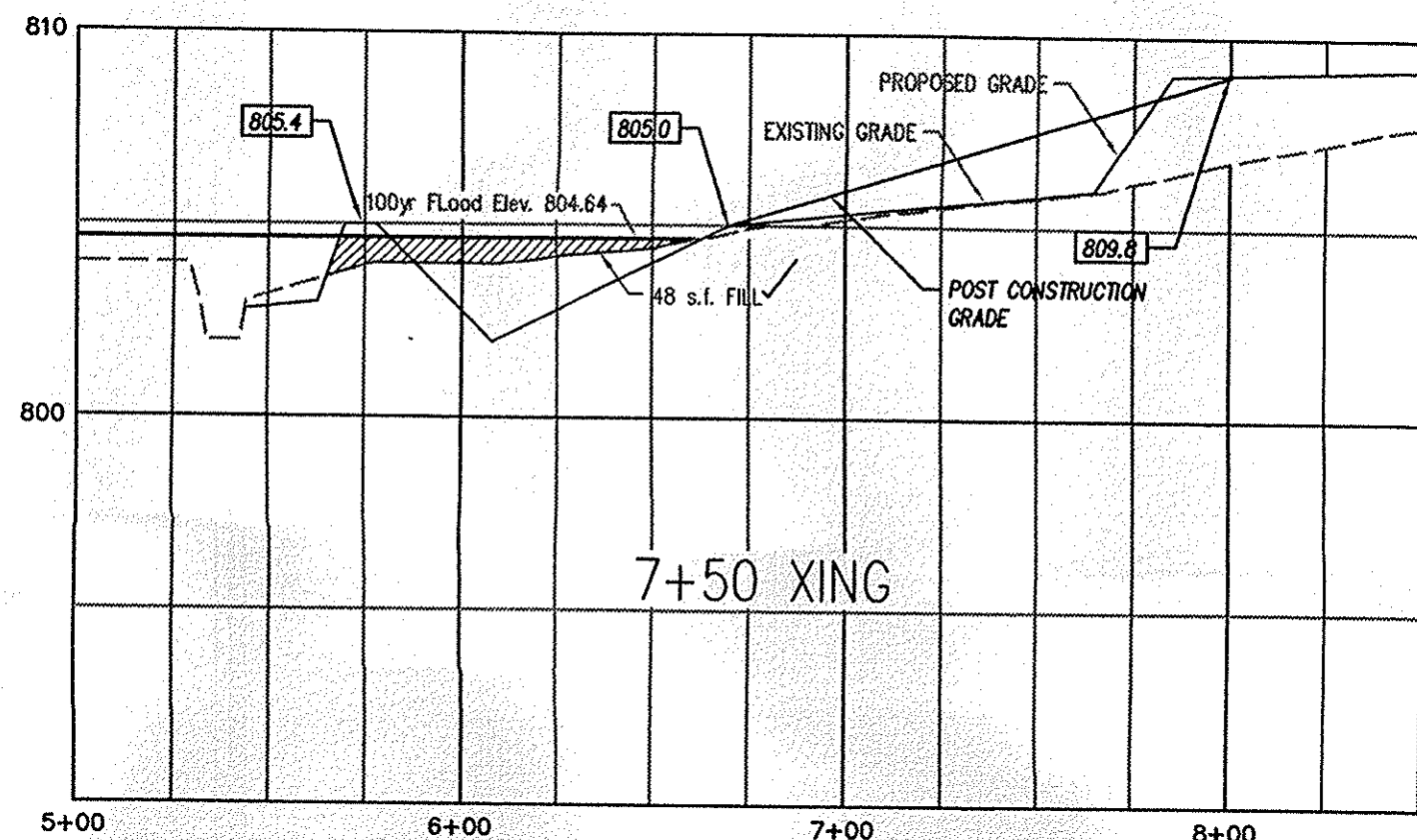
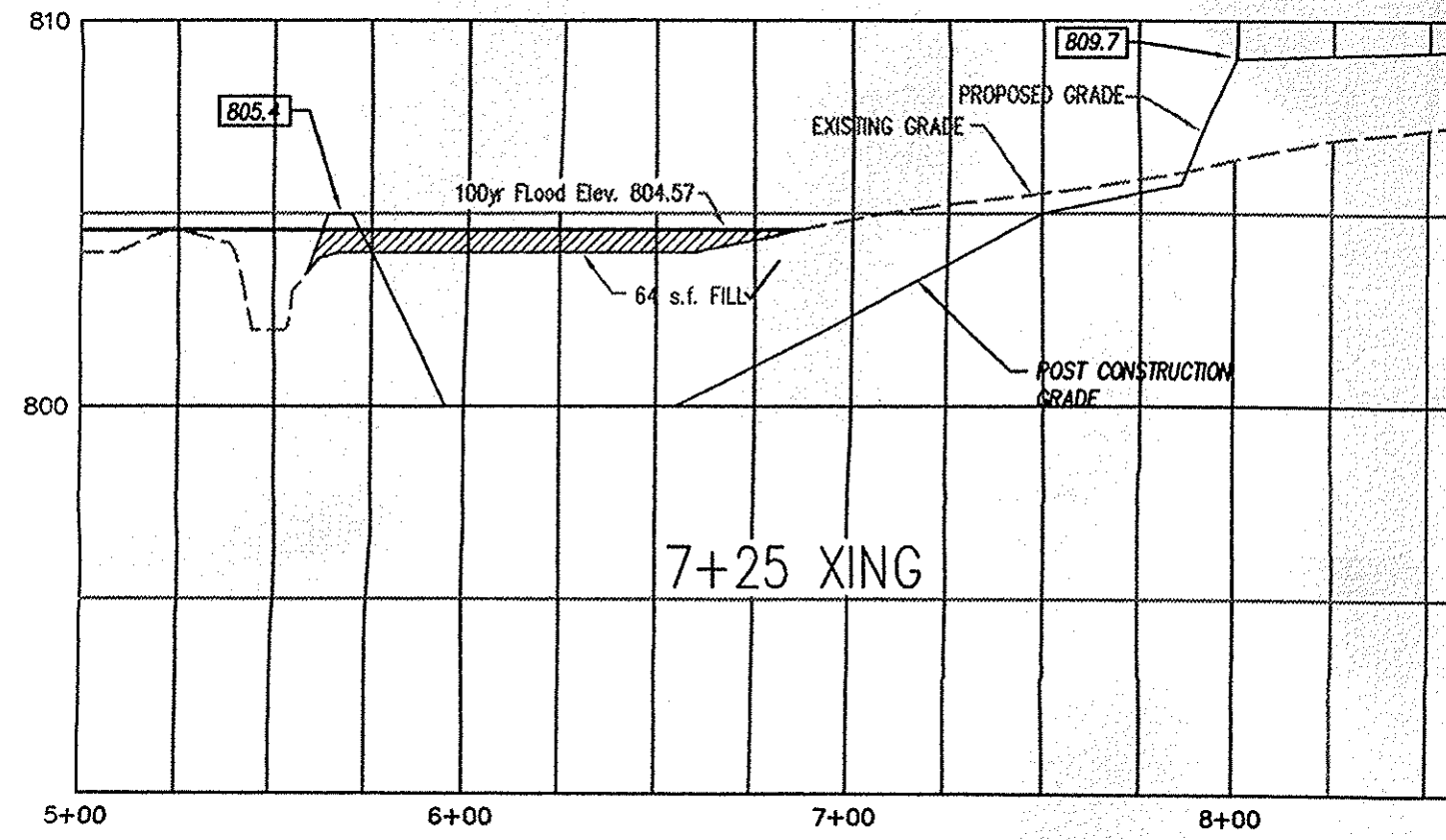
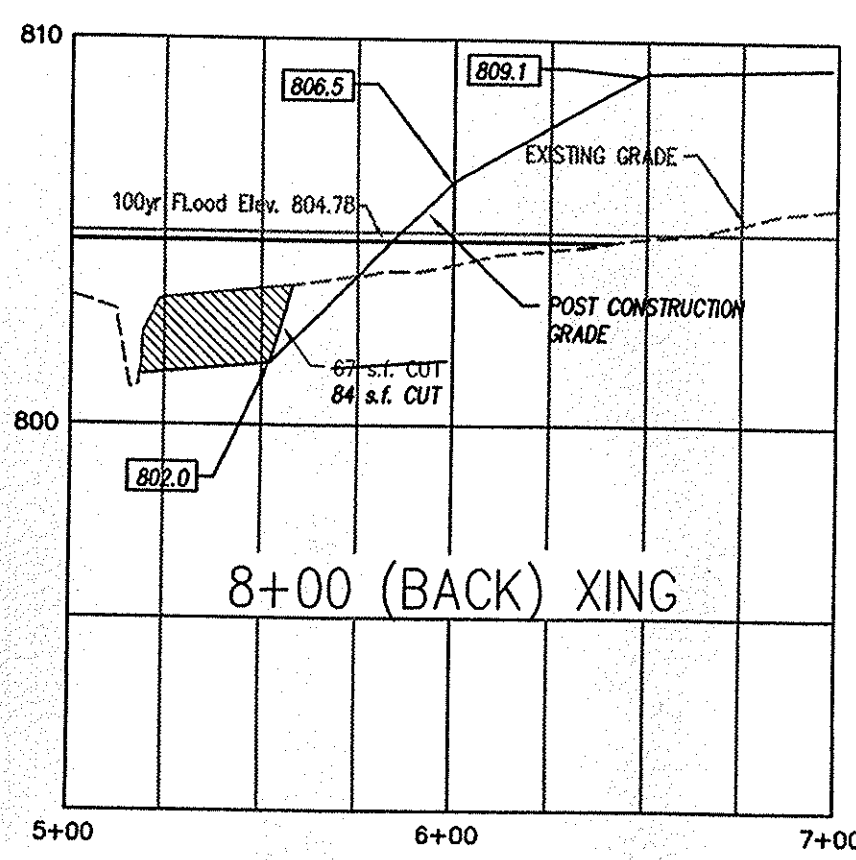
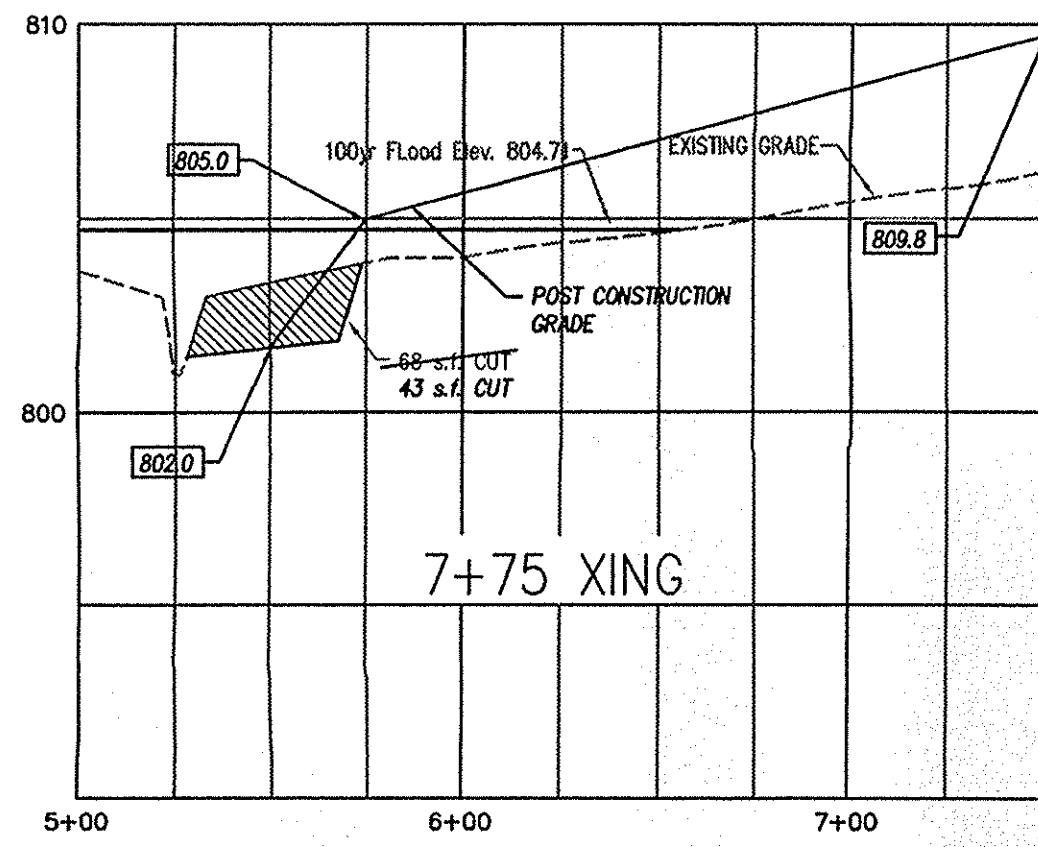
**REVISIONS**

04/05/06	- REV. PER COMMENT LETTER	DATED 04/03/06	dep
05/04/06	- REV. PER COMMENT LETTER	DATED 04/26/06	dep
07/20/07	- AS-BUILT INFO. ADDED		

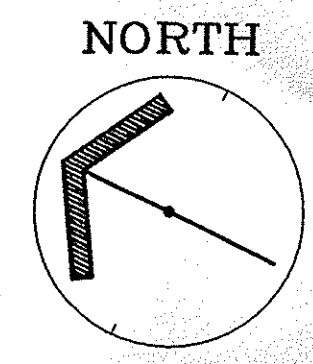
Professional seal for Jonathan P. Moore, Registered Professional Engineer No. 10000418, State of Indiana.

DRAWING: 8071-12-11  
DATE: 03/14/08  
PROJ. NO.: 8071-12  
DRAWN BY: MAG

SHEET NO.:  
**C201-B**  
TUBE FILE #



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
 Entry Date: May 2007  
 Entered By: SM



SCALE:  
 1" = 50' HORIZ.  
 1" = 5' VERT.

EXISTING AERIAL TOPOGRAPHIC MAPPING BY ACCU-AIR SURVEYS, INC. OF SEYMOUR, INDIANA (COMPLETED DECEMBER, 1990). CONTOURS SHOWN ARE IN 1-FOOT INCREMENTS.

FLOODPLAIN BOUNDARY PER BOOTH WHITE DITCH HYDRAULIC ANALYSIS NOBLESVILLE, INDIANA PREPARED BY CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL PROJ. NO. 05-051) DATED DECEMBER 2005

**As-Built Certificate**

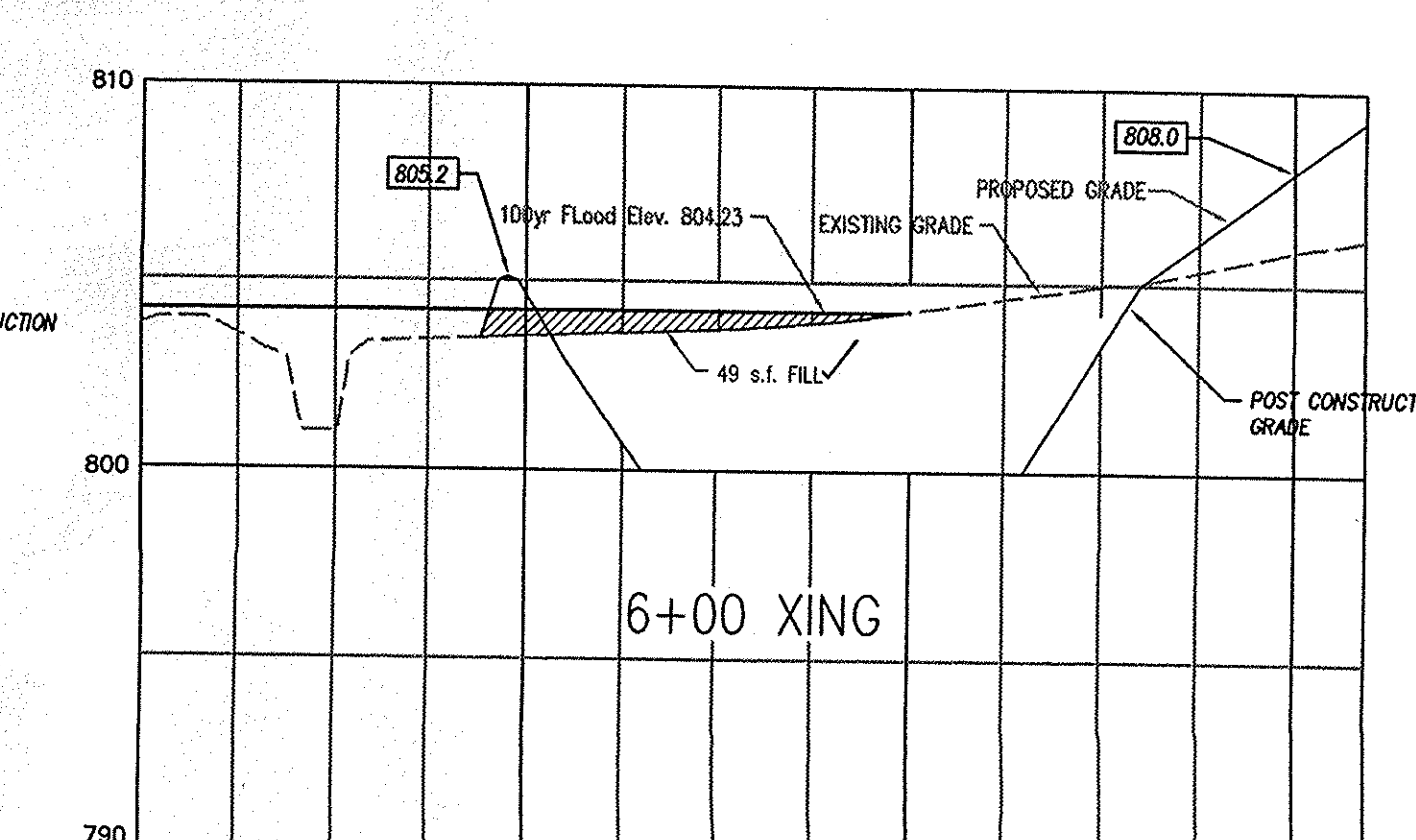
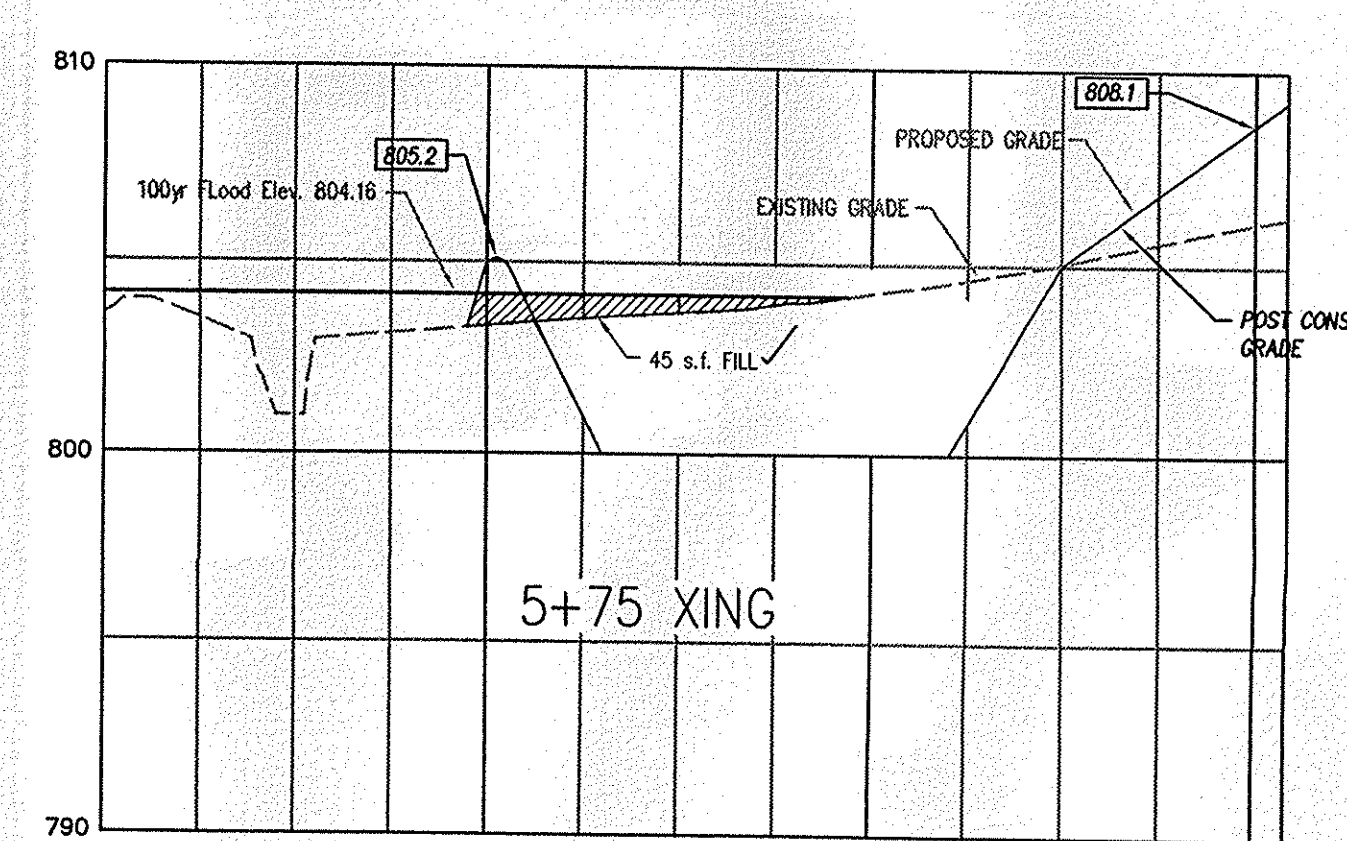
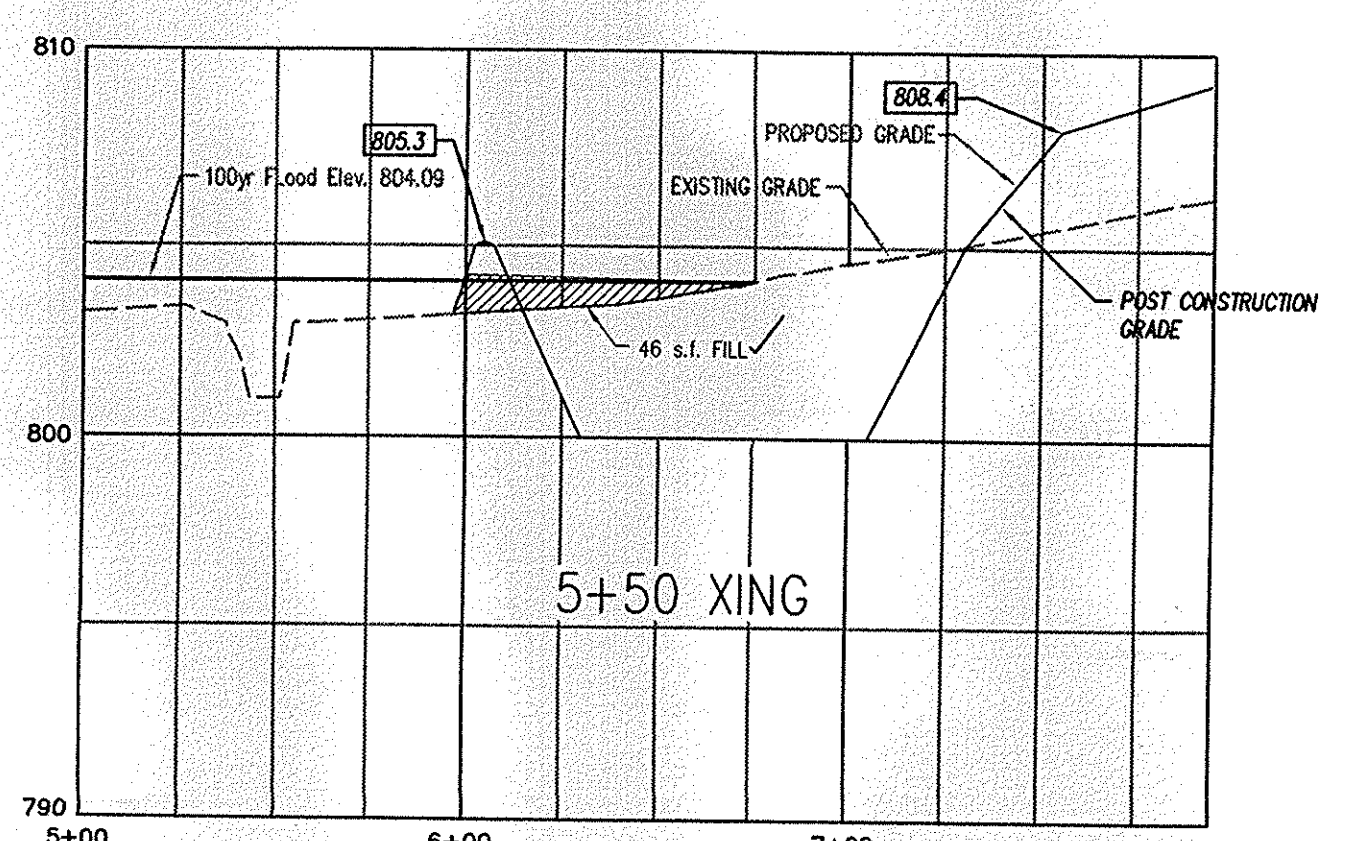
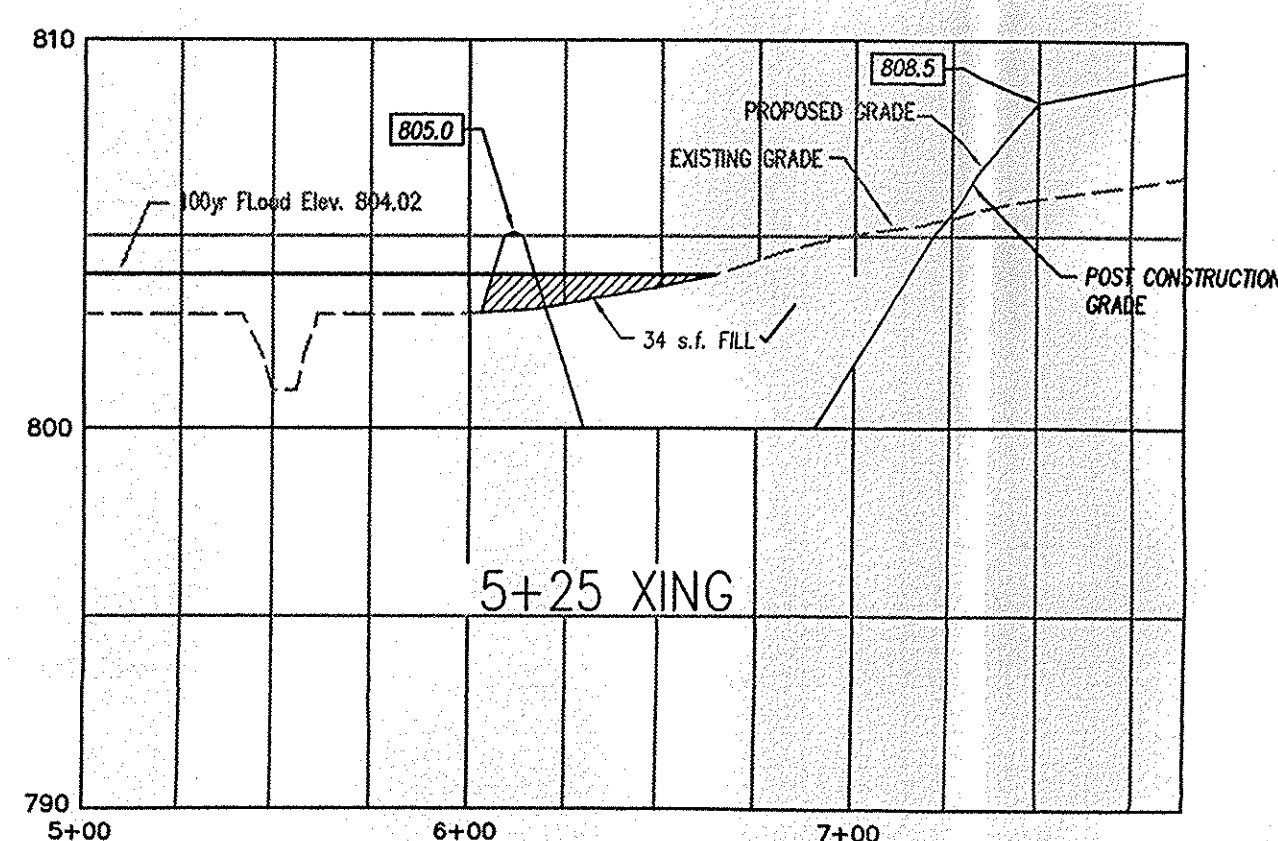
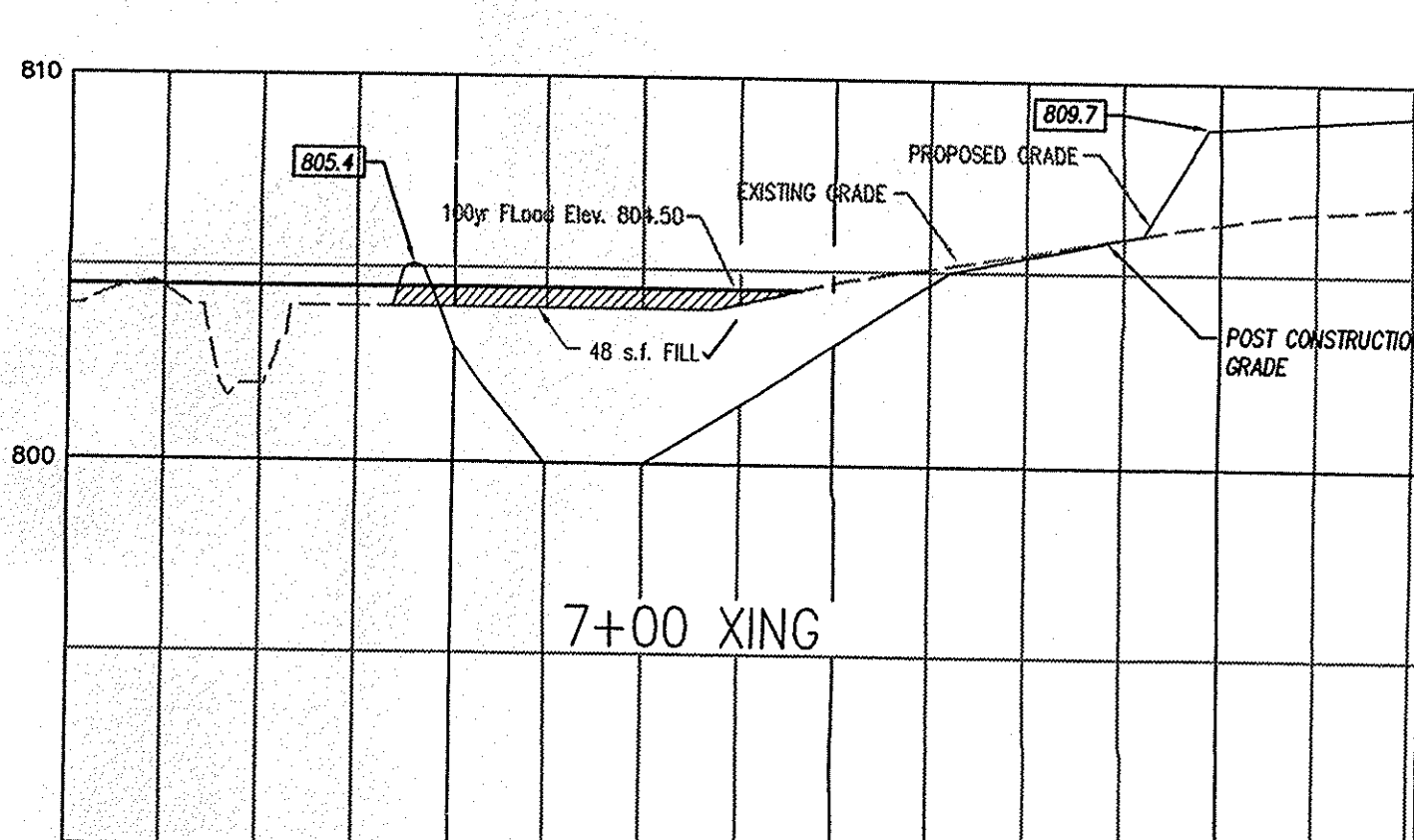
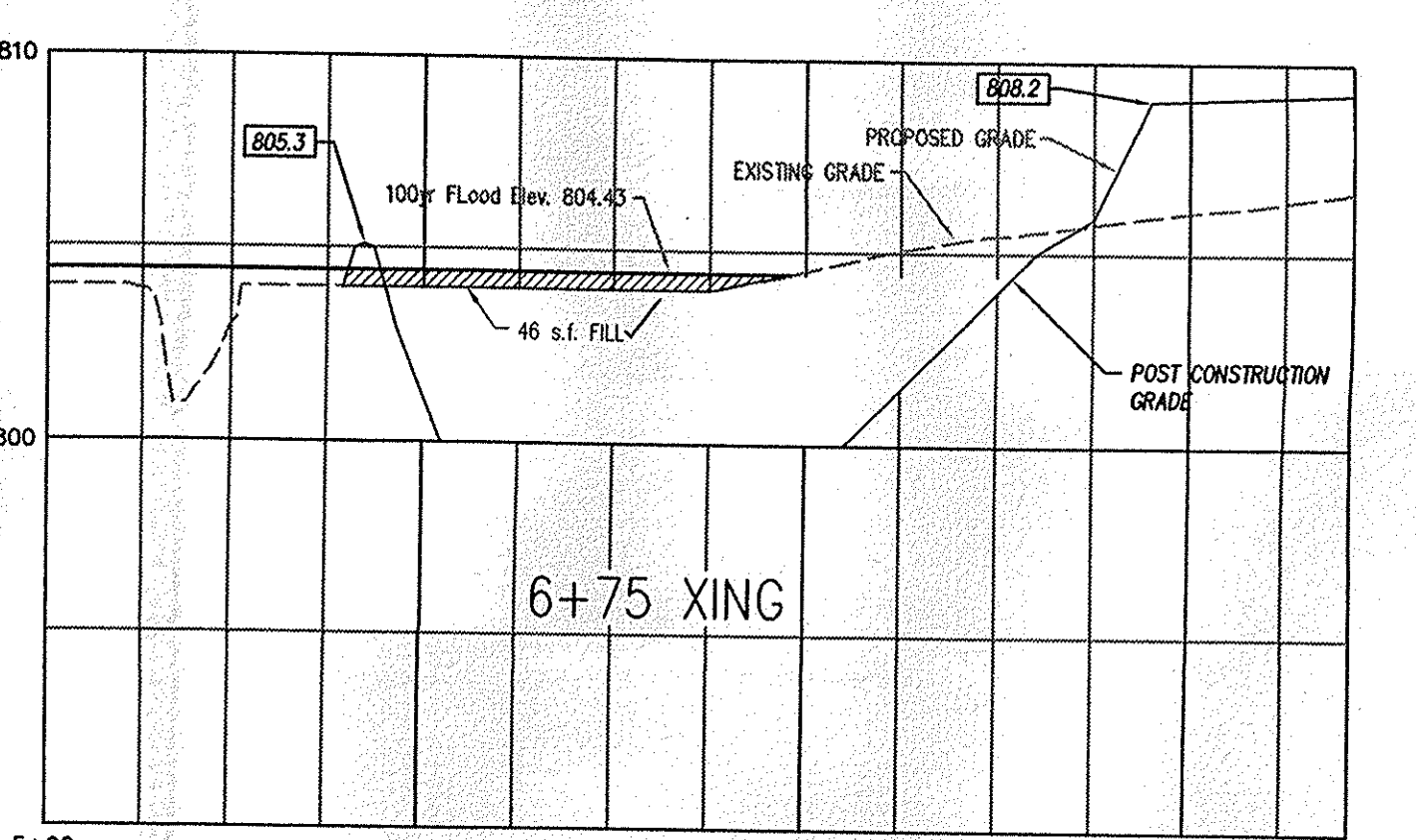
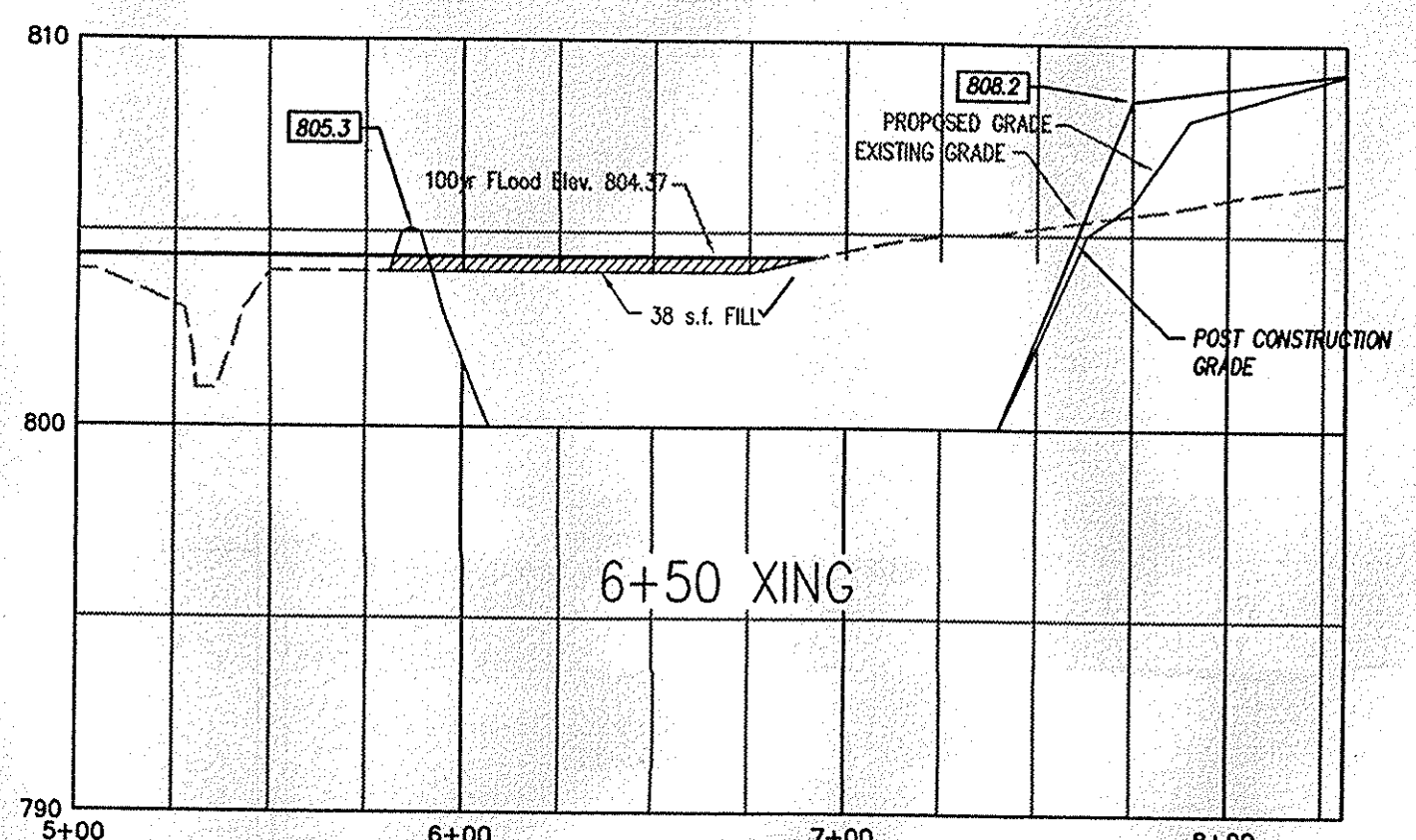
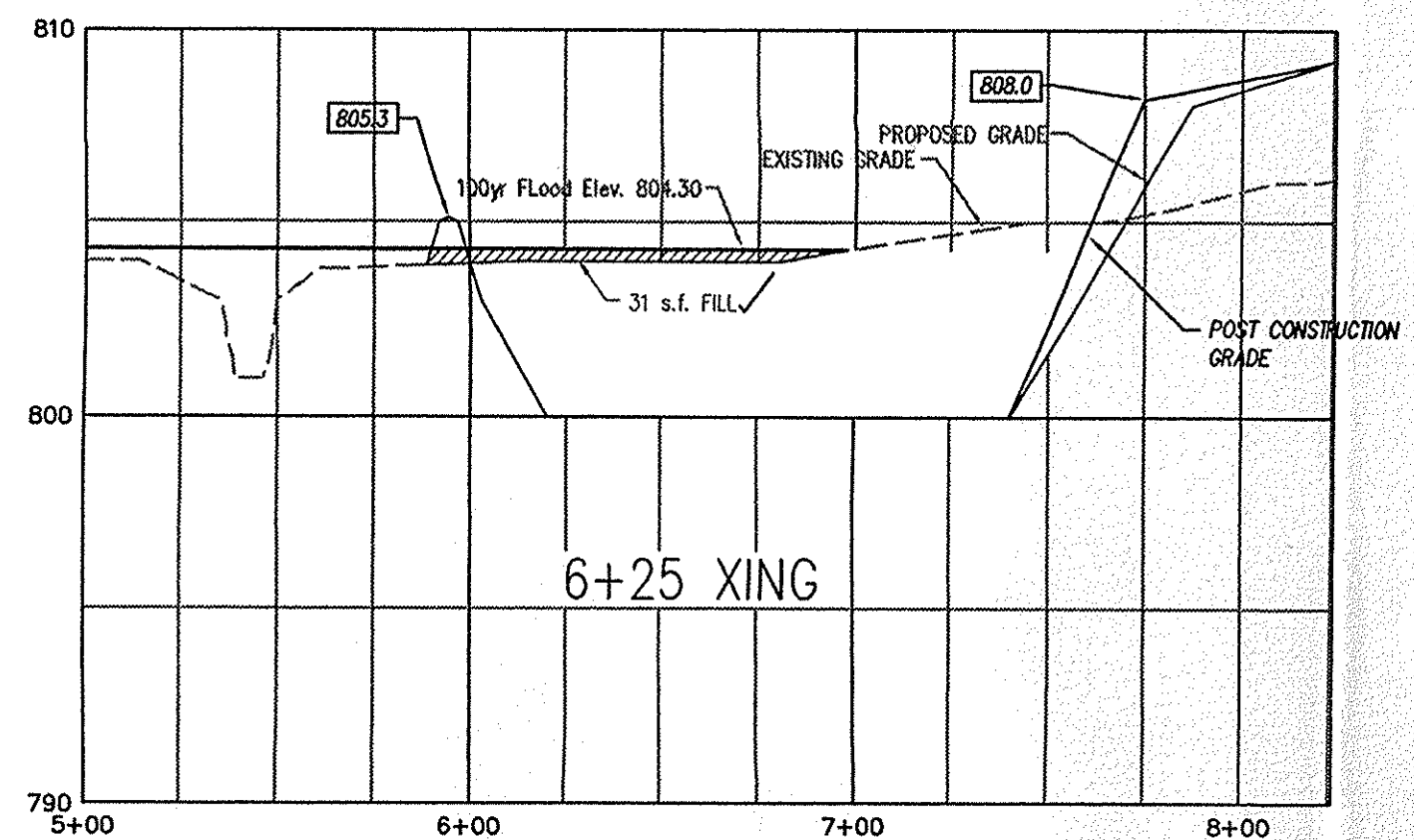
I certify that this drawing represents an as-built survey for the post construction grading and the required percentage of the "cut" versus "fill" areas required for the compensated storage meets or exceeds the plan design.

*Evan J. Evans*  
 Evan J. Evans, Reg. Land Surveyor No. LS 910024  
 State of Indiana  
 Date: July 20, 2007



**As-Built Legend**

- EXISTING GRADE (MEASURED GRADE BEFORE EARTHWORK)
- PROPOSED GRADE (DESIGN GRADE)
- POST CONSTRUCTION GRADE (MEASURED GRADE AFTER EARTHWORK)
- [813] AS-BUILT ELEVATION

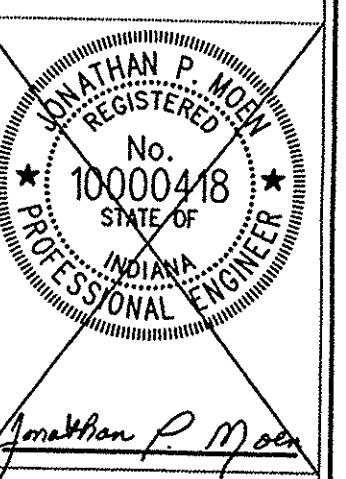


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**MPA**

SHEET TITLE: BOOTH-WHITE FLOODPLAIN CUT/FILL SECTIONS  
 PROJECT NAME: DEER PATH GRADING AS-BUILTS  
 SECTION TWELVE  
 NOBLESVILLE, INDIANA

REVISIONS  
 04/05/06 - REV. PER COMMENT LETTER DATED 04/04/06  
 07/20/07 - AS-BUILT INFO. ADDED



DRAWING: 9071-12-12  
 DATE: 03/14/08  
 PROJ. NO.: 9071-12  
 DRAWN BY: MAG

SHEET NO.: C201-A