
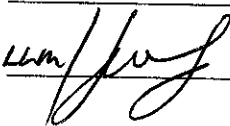


Drain: ELWOOD WILSON **Drain #:** 126
Improvement/Arm: HAMILTON COUNTY JUVENILE SERVICES CENTER RECONSTRUCTION
Operator: J. LIVINGSTON **Date:** 8-31-04
Drain Classification: Urban/Rural **Year Installed:** 2004

GIS Drain Input Checklist

- Pull Source Documents for Scanning
- 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
- Enter Drain Age into Posse
- Sum drain length for Watershed in Posse
- Check Database entries for errors





Gasb 34 Footages for Historical Cost
Drain Length Log

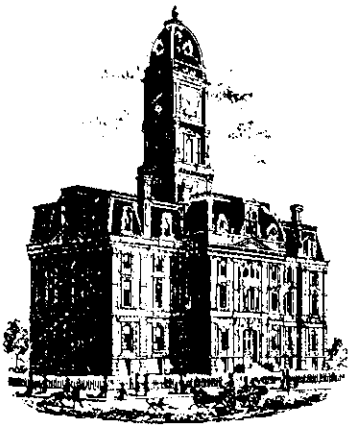
Drain-Improvement: ELWOOD WILSON - HAMILTON CO JUVENILE SERVICES CENTER RECONSTRUCTION

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
RCP	18"	1,590			\$10.50 LF	\$16,695.00
*RCP	54"	1,261			\$85.45 LF	\$107,752.45
*RCP	60"	351			\$98.85 LF	\$34,696.35
RCP	36"	100'			\$32.25 LF	\$3,225.00

Sum: 3302' \$162,368.80
 - 1612' // DRAIN
1690'

Final Report: _____

Comments:
 * Parallel drain



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

June 4, 2004

To: Hamilton County Drainage Board

Re: Elwood Wilson Drain

Hamilton County Juvenile Services Center Reconstruction

Attached is a petition and plans for the relocation of the Gascho-County Farm Arm of the Elwood Wilson Drain. The relocation is being proposed by the Hamilton County Commissioners. The proposal is to relocate and reconstruct the drain across the existing jail facility on tract 11-07-32-00-00-029.000, 11-07-32-00-00-029.001, 11-07-32-00-00-029.002 and east of State Road 37 on tract 10-07-32-00-00-004.000.

The reconstruction will consist of the following:

1. Relocating the existing tile drain across the Hamilton County Jail Complex property along the west and north property boundaries.
2. Enclosing the existing swale which conveys surface water from the north side of the tract to Cumberland Road.
3. Construction of a retention basin east of State Road 37.

The new storm sewer will replace the existing Gascho-County Farm Drain tile from Sta. 23+75 to Sta. 34+85 and as shown on plans by Paul I. Cripe for job #020367-2000 sheets C706 - C707 as Sta. 0+19.89 to Sta. 16+09.84. (Structure 758, 751, 752, 753, 759, 755 to the existing structure for the complex)

18" RCP - 1,590 ft

This storm sewer will capture stormwater from the existing manhole on the present 18" pipe installed with the Nelson Communities Apartments as per report dated June 7, 1985 and approved by the Board on June 10, 1985 as found in minutes book 2, page 63 -64.

Revised June 1997

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: Hamilton County)
Juvenile Services Center)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

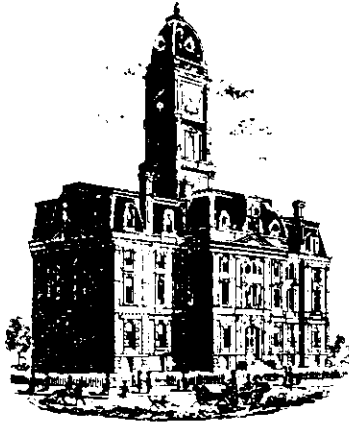
Hamilton County (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Elwood Wilson Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Elwood Wilson Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Elwood Wilson Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Elwood Wilson Drain, without cost to other property owners on the watershed of the Elwood Wilson Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Elwood Wilson Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

Steven C. Dillinger
Signed
STEVEN DILLINGER
Printed



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

March 3, 2009

Re: Elwood Wilson: Juvenile Services Center Reconstruction

Attached are as-builts, certificate of completion & compliance, and other information for Juvenile Services Center Reconstruction. 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 were made to the drain, which will alter the plans submitted with my report for this drain-dated June 4, 2004. The report was approved by the Board at the hearing held June 14, 2004. (See Drainage Board Minutes Book 4, Pages 470-471)

The changes are as follows:

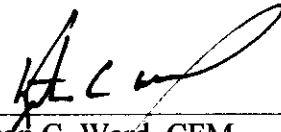
Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes(ft):
EX.403-755	25	18	RCP	770.19	769.9	1.16	
755-754	130	18	RCP	769.9	769.56	0.26	5
754-753	145	18	RCP	769.56	769.2	0.25	
753-752A	150	18	RCP	769.2	768.67	0.35	
752A-752	384	18	RCP	768.67	767.49	0.31	
752-751a	349	18	RCP	767.49	766.55	0.27	
751A-751	353	18	RCP	766.55	765.55	0.28	
709-708	125	48	RCP	770.75	770.5	0.2	3
708-707	146	48	RCP	770.5	770.21	0.2	1
707-706	177	54	RCP	770.21	769.66	0.31	6
706-705	232	54	RCP	769.66	769.2	0.2	-1
705-704	127	54	RCP	769.2	768.85	0.28	-4
704-703	462	54	RCP	768.85	767.94	0.2	-3
703-702	251	60	RCP	767.94	767.7	0.1	
702-701	101	60	RCP	767.7	767.6	0.1	1
751-758	50	18	RCP	765.55	765.36	0.38	-9
757-756	90	36	RCP	777.82	777.5		-10
758-EX. 259	108	18	RCP				
701-EX. 51	117	60	RCP				

It should be noted that the 18" RCP runs parallel to the 48", 54", and 60" RCP drainage pipe. The 36" RCP is the outlet for the regional detention pond on the east side of SR 37. It will be listed in the overall length of the drain. Therefore, the length of drain due to the changes described above is now **1,784 feet**. The original Gascho-County Farm drain tile was vacated from Sta. 23+75 to Sta. 34+85. Subsequently, this project added 674 feet of drain to the watershed.

The non-enforcement was approved by the Board at its meeting on June 28, 2004 and recorded under instrument #200400048566. The project was done by Hamilton County and therefore no performance bonds or sureties were required.

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

Sincerely,



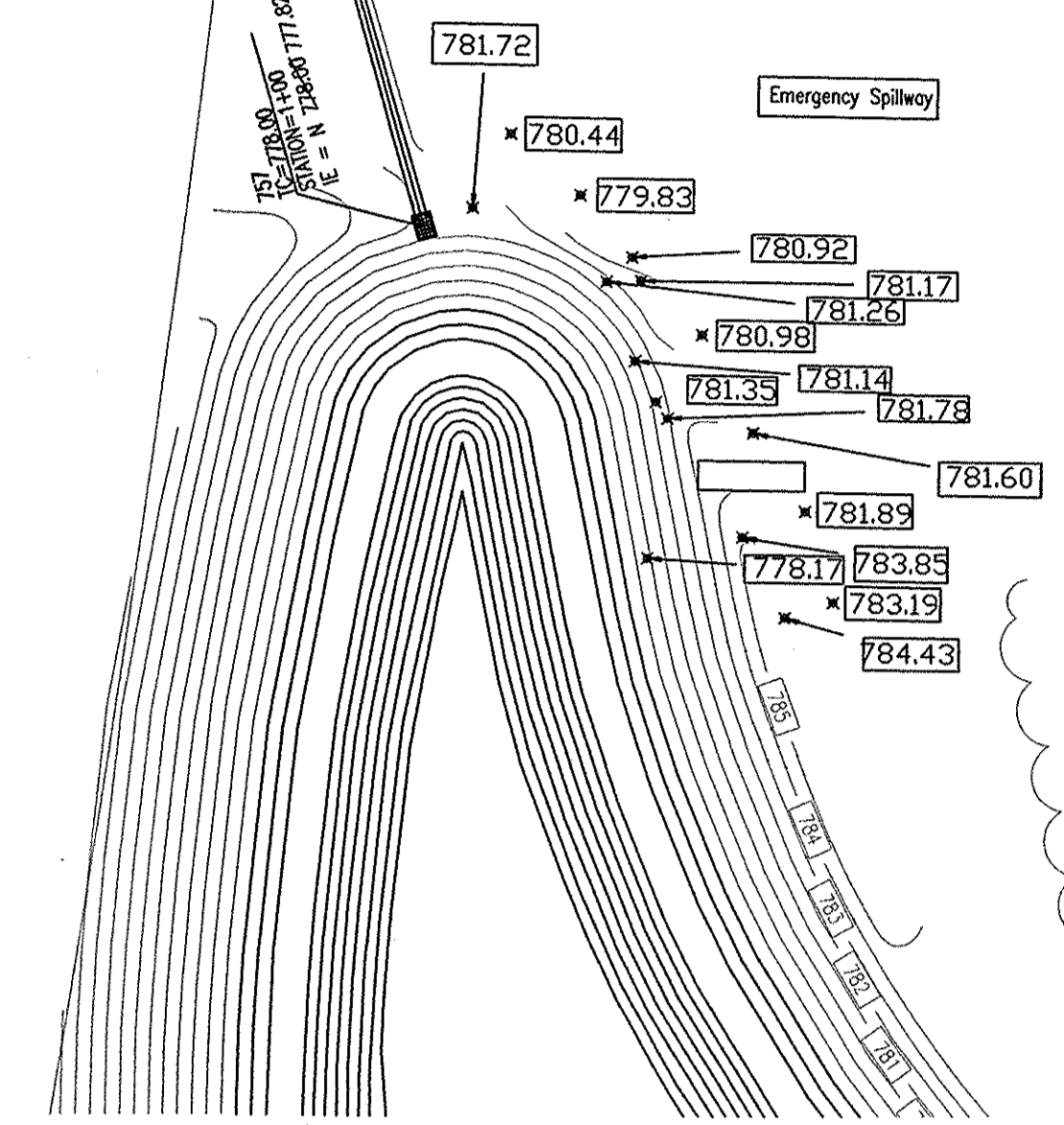
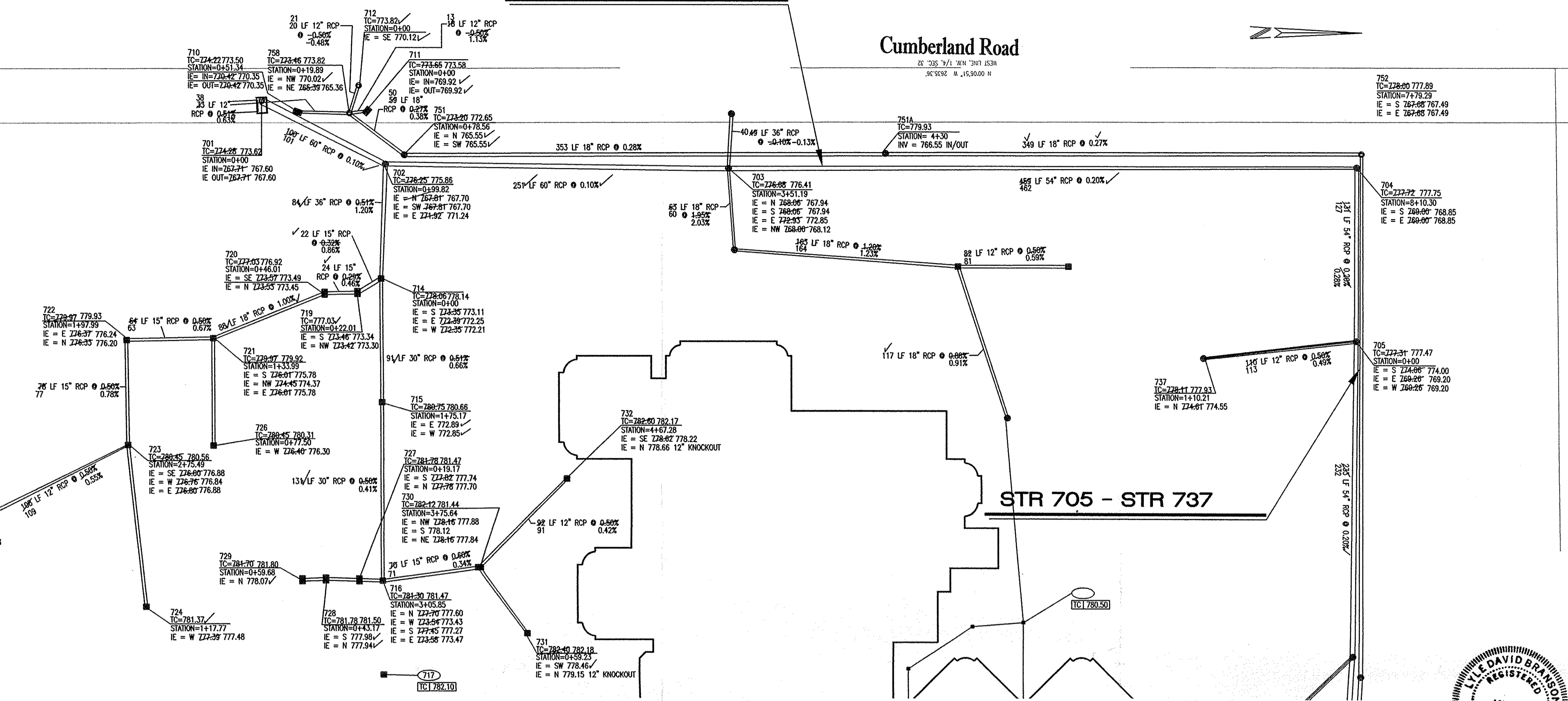
Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

STR 701 - STR 704

Cumberland Road

**Retention Pond
East Side of Project**



SURVEYORS CERTIFICATE

THIS REPRESENTS A SURVEY COMPLETED UNDER MY DIRECT-SUPERVISION. PIPE PERCENTAGE IS A CALCULATED VALUE AND MIGHT NOT REPRESENT ACTUAL FIELD CONDITIONS. STORM PIPE DISTANCE IS SHOWN FROM CENTERLINE MANHOLE TO CENTERLINE MANHOLE.



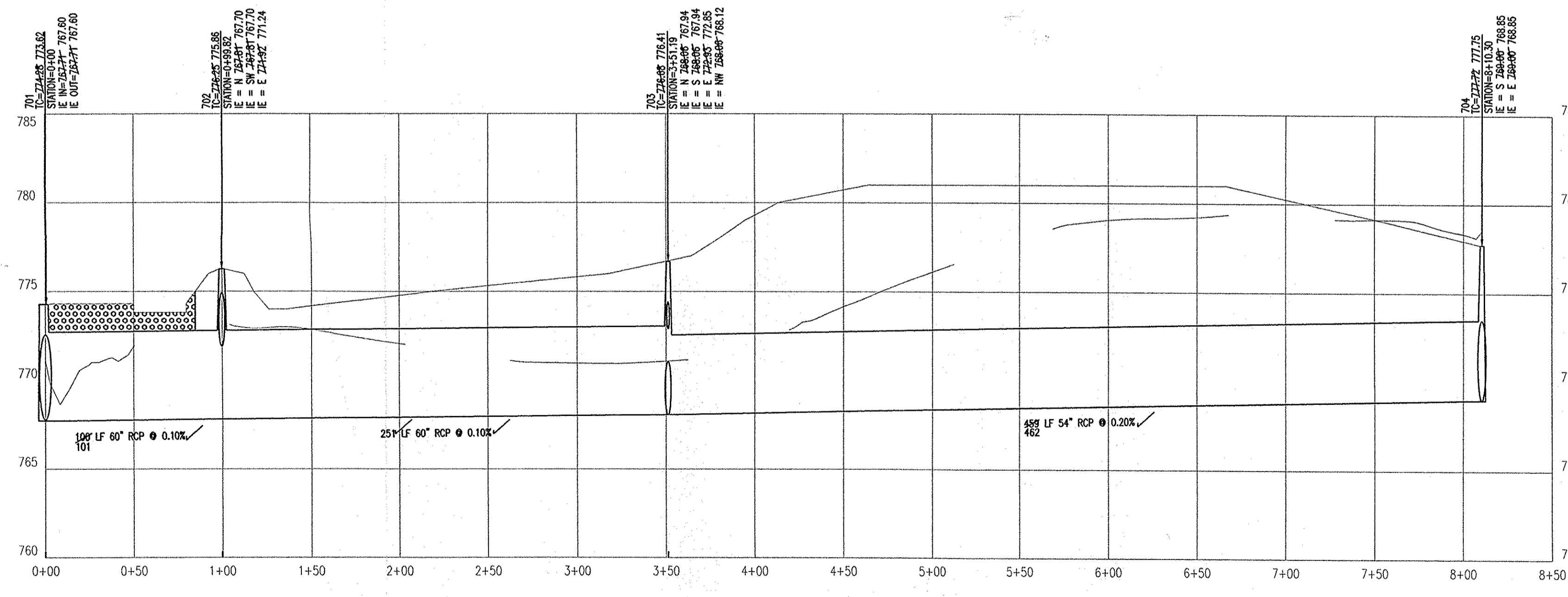
LYLE BRANSON
 7172 N KEYSTONE AVE #J
 INDIANAPOLIS, IN 46203

DATE: 7/28/2005
 LS#9300007
 STATE OF INDIANA

HOR. SCALE: 1" = 50'
 Asbuilt Elev.

BASIS OF COORDINATE IS INDIANA EAST PER HAMILTON COUNTY SURVEYOR RECORDS

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: 3-03-09
 Entered By: SLM



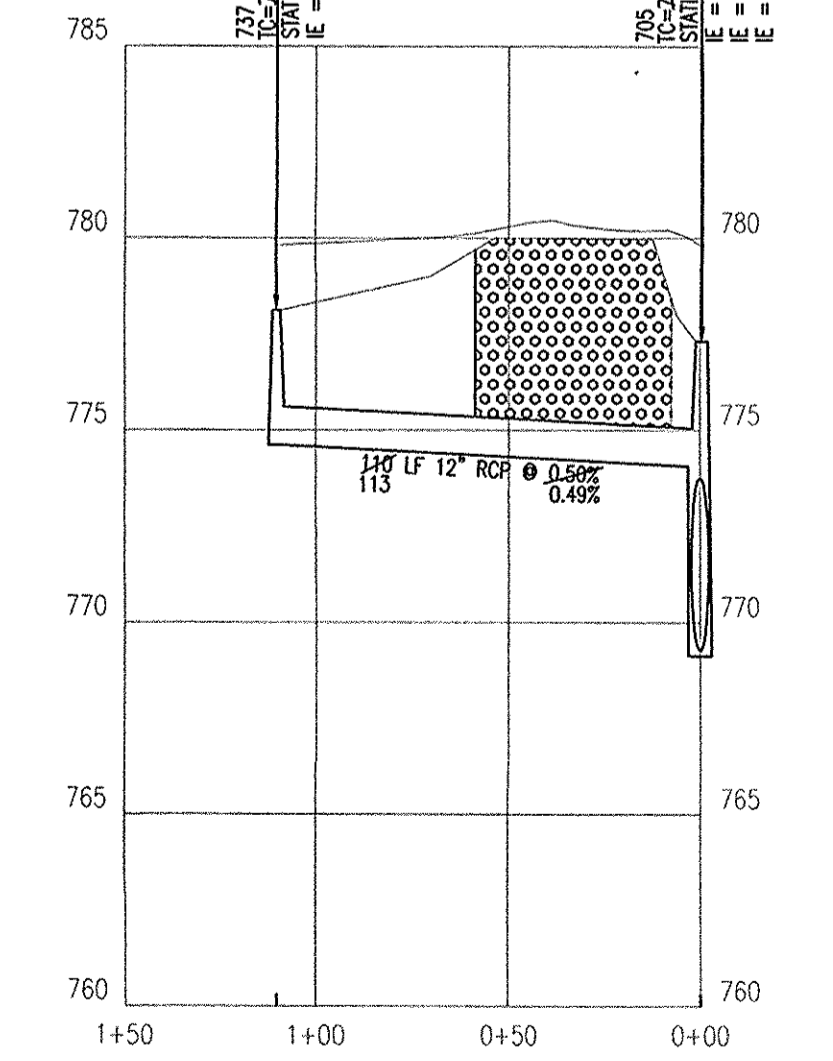
STR 701 - STR 704

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

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: 3-3-09
 Entered By: SLM

STR 705 - STR 737

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



Revision	Date	Description

Prepared for:
 GRADEX INC.
 3685 PRIORITY WAY SOUTH DRIVE
 INDIANAPOLIS, IN 46240

Prepared by:
 SURVEY TECH PC.
 7172 N. KEYSTONE AVE. UNIT #J
 INDIANAPOLIS, IN 46240

**Juvenile Services Center
 POST CONSTRUCTION SURVEY**

HAMILTON CO. BOARD OF COMMISSIONERS
 ONE HAMILTON SQUARE
 NOBLESVILLE, IN 46060

CERTIFIED BY:

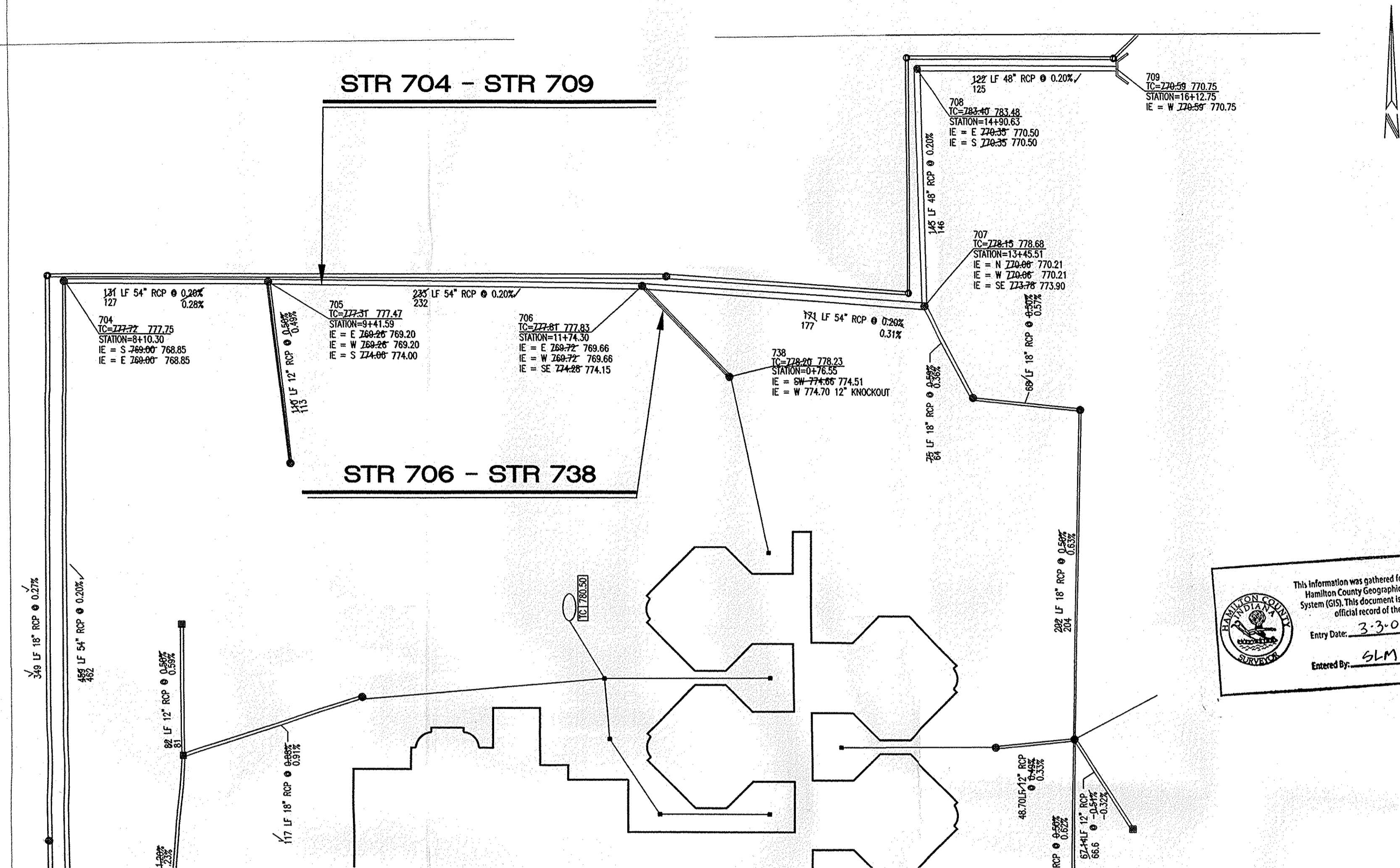
Drawn By: CJC
 Checked By: LDB
 Quality Assurance:

Scale: 1" = 50'

Sheet: C701

Date: 07-28-2005
 Project Number: 24-011

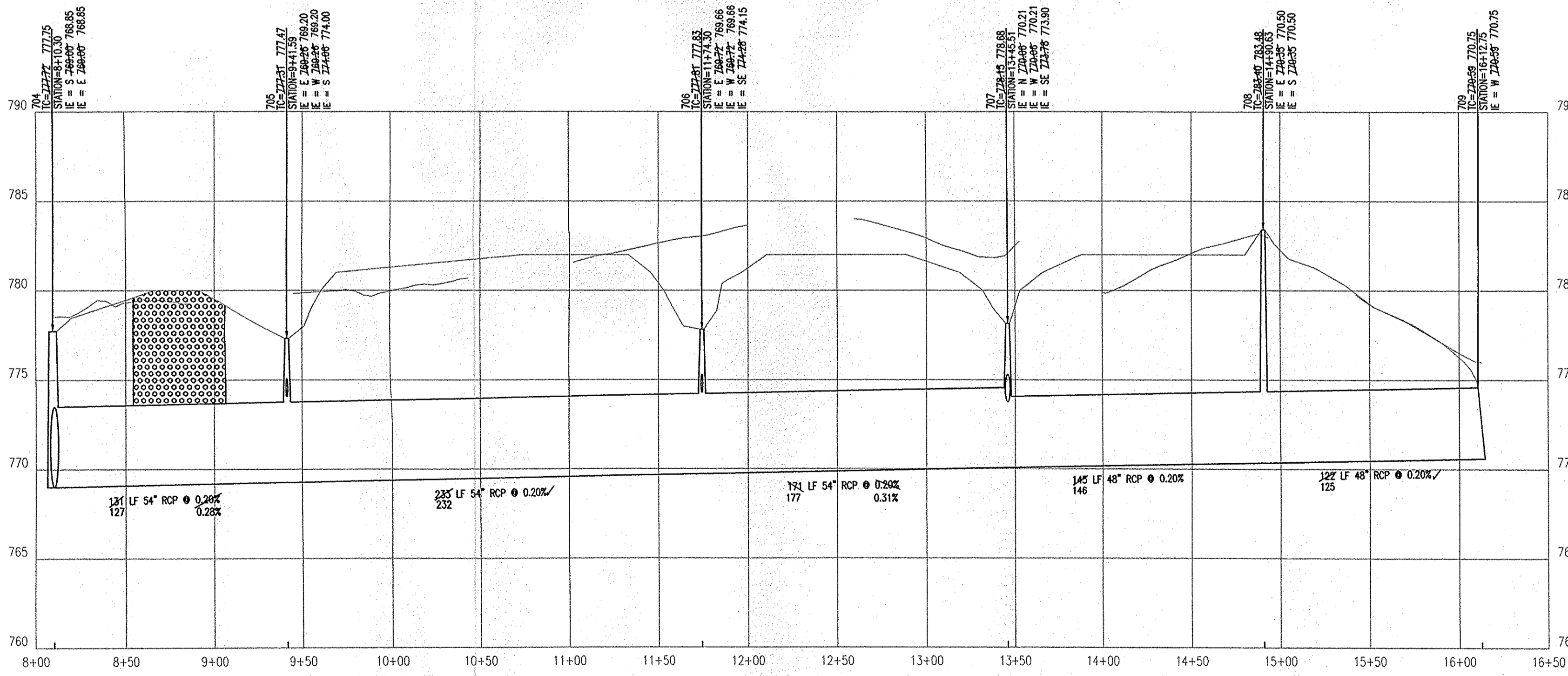
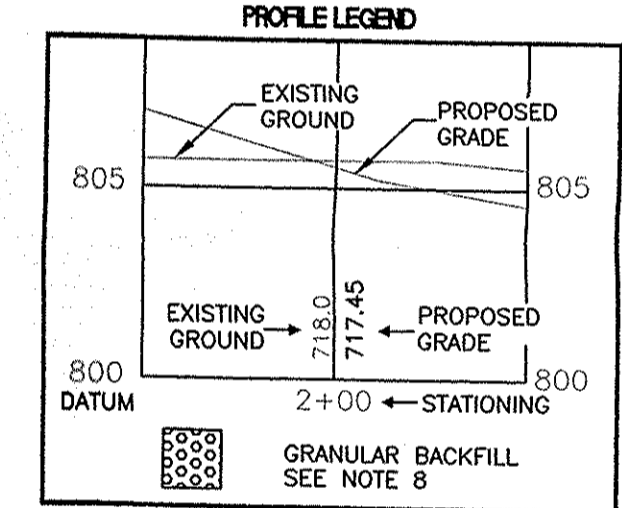
Cumberland Road
 15' 30" RCP @ 0.20%
 15' 30" RCP @ 0.20%



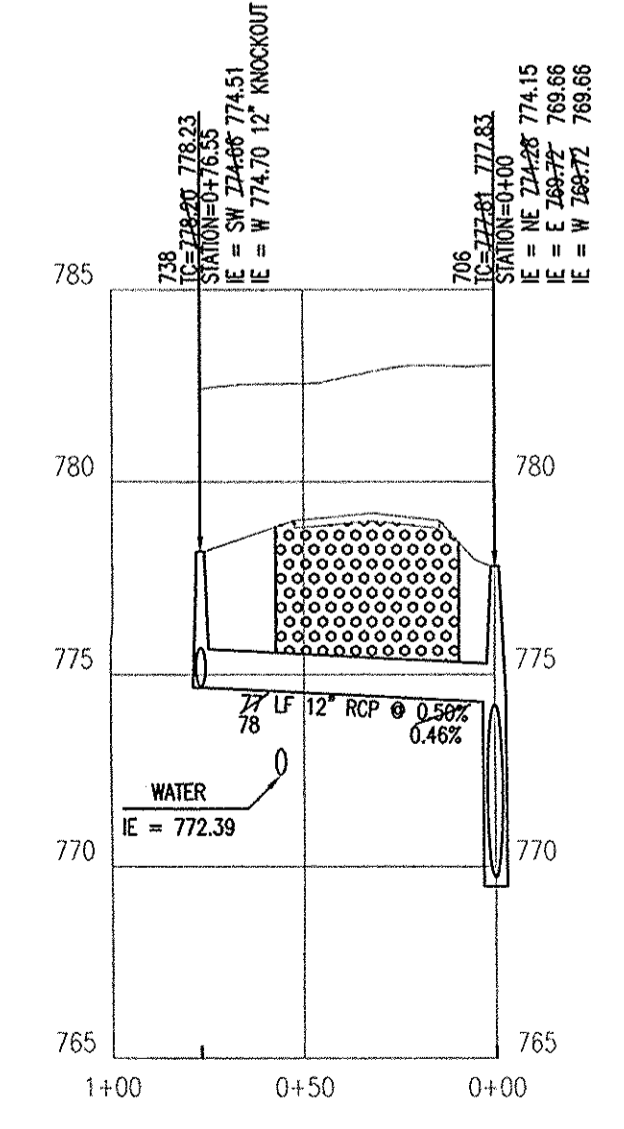
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 3-3-09
 Entered By: SLM

STORM SEWER PLAN AND PROFILE NOTES

- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "I" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUNDED, TROWELED SMOOTH AND BRUSH FINISHED.
- ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE Poured FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
- FIELD ADJUSTMENTS OF TOP OF CASTING (I.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5') OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE.
- STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
- STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
- FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
- SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS IN THE PROJECT MANUAL.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.



STR 704 - STR 709
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



STR 706 - STR 738
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

Revision	Week	Date	Description

Prepared for:
 GRADEX INC.
 3685 PRIORITY WAY SOUTH DRIVE
 INDIANAPOLIS, IN 46240

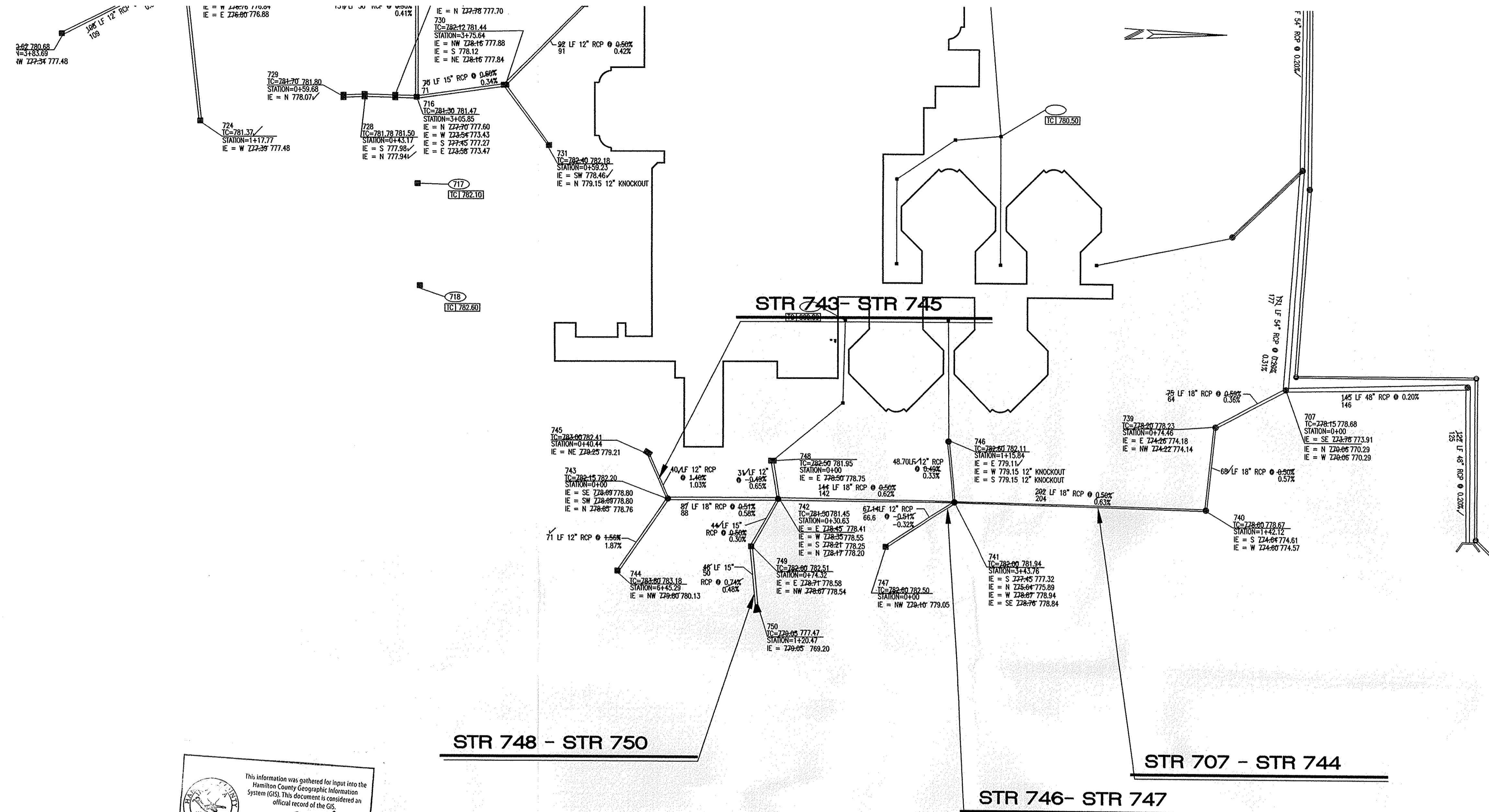
Prepared by:
 SURVEY TECH PC.
 7172 N. KEYSTONE AVE. UNIT #J
 INDIANAPOLIS, IN 46240

Juvenile Services Center
POST CONSTRUCTION SURVEY
 HAMILTON CO. BOARD OF COMMISSIONERS
 ONE HAMILTON SQUARE
 NOBLESVILLE, IN 46060

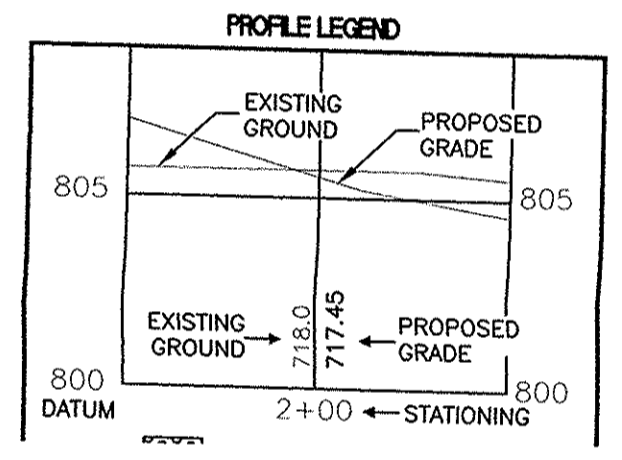
CERTIFIED BY:

 DAVID BRANDON
 REGISTERED PROFESSIONAL ENGINEER
 NO. 18590007
 STATE OF INDIANA
 LAND SURVEYOR

Drawn By: CJC
 Checked By: LDB
 Quality Assurance:
 Scale: 1" = 50'
 Sheet: C702
 Date: 07-28-2005
 Project Number: 24-011



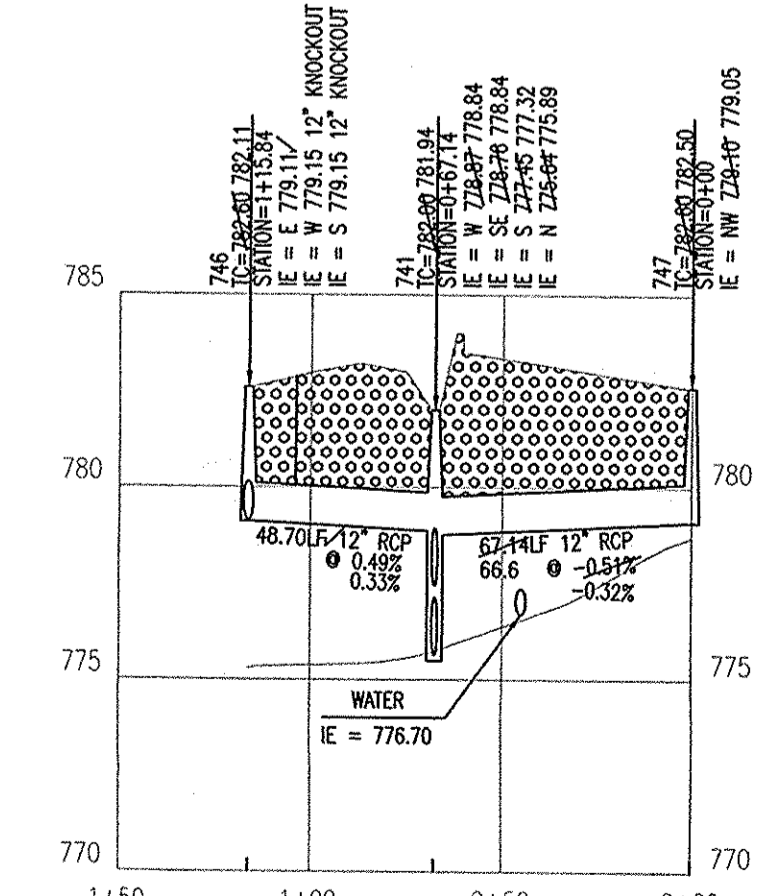
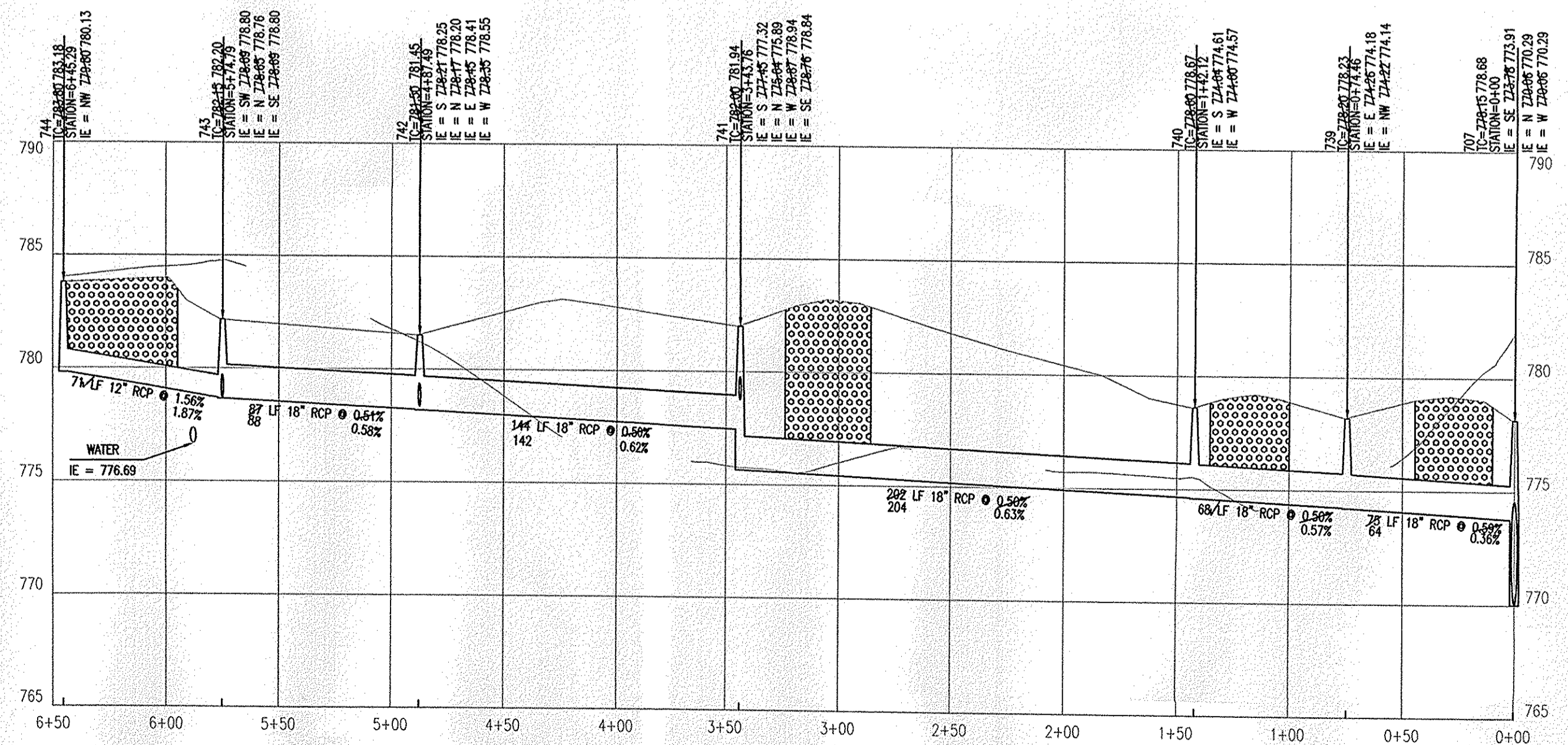
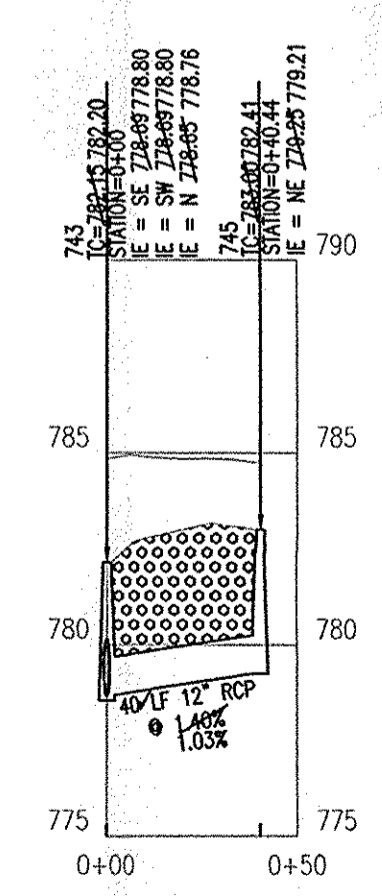
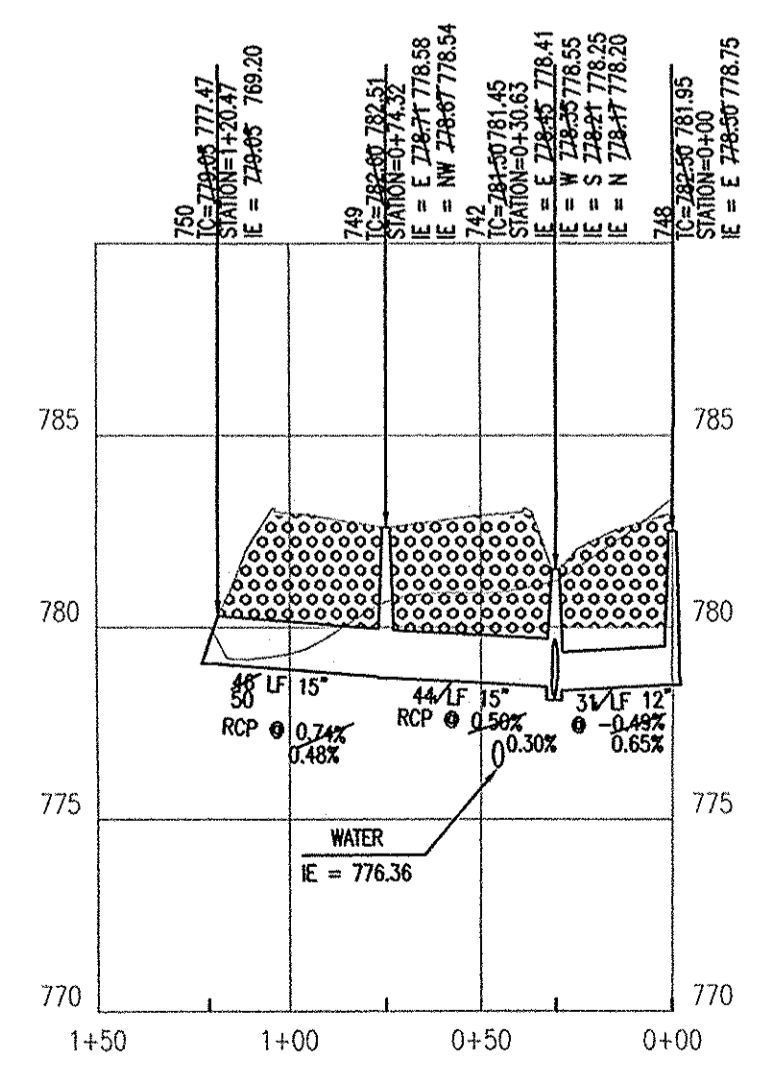
- STORM SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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 - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BASE/LL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS IN THE PROJECT MANUAL.
 - PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.



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: 3-3-09

Entered By: SLM



STR 748 - STR 750

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

STR 743- STR 745

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

STR 707 - STR 744

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

STR 746 - STR 747

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

Revision	Date	Description

Prepared for:
GRADEX INC.
3685 PRIORITY WAY SOUTH DRIVE
INDIANAPOLIS, IN 46240

Prepared by:
SURVEY TECH PC.
7172 N. KEYSTONE AVE. UNIT #J
INDIANAPOLIS, IN 46240

**Juvenile Services Center
POST CONSTRUCTION SURVEY**

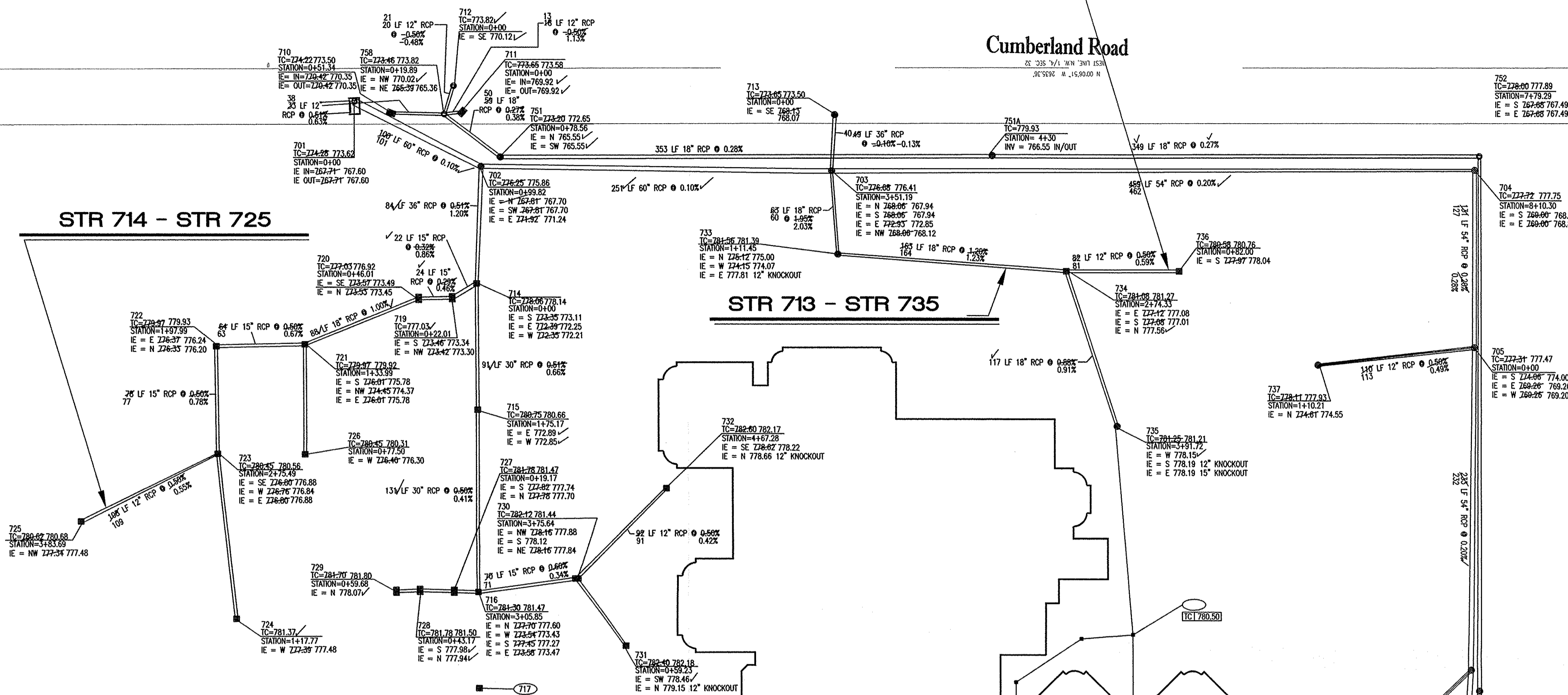
HAMILTON CO. BOARD OF COMMISSIONERS
ONE HAMILTON SQUARE
NOBLESVILLE, IN 46060

CERTIFIED BY:

Drawn By: CJC
Checked By: LDB
Quality Assurance:
Scale: 1" = 50'
Sheet: C703
Date: 07-28-2005
Project Number: 24-011

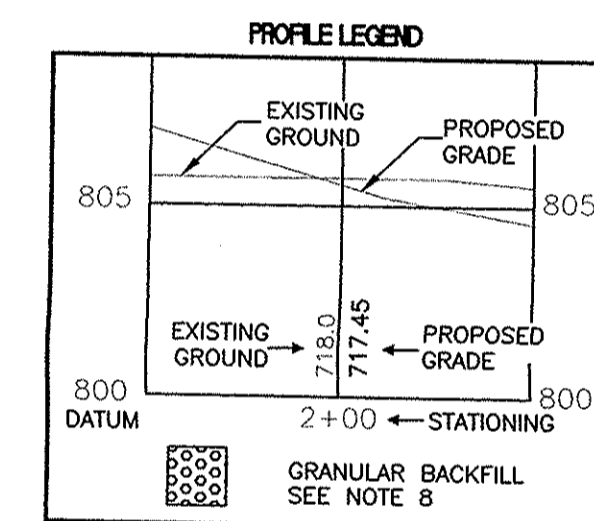
STR 734 - STR 736

Cumberland Road

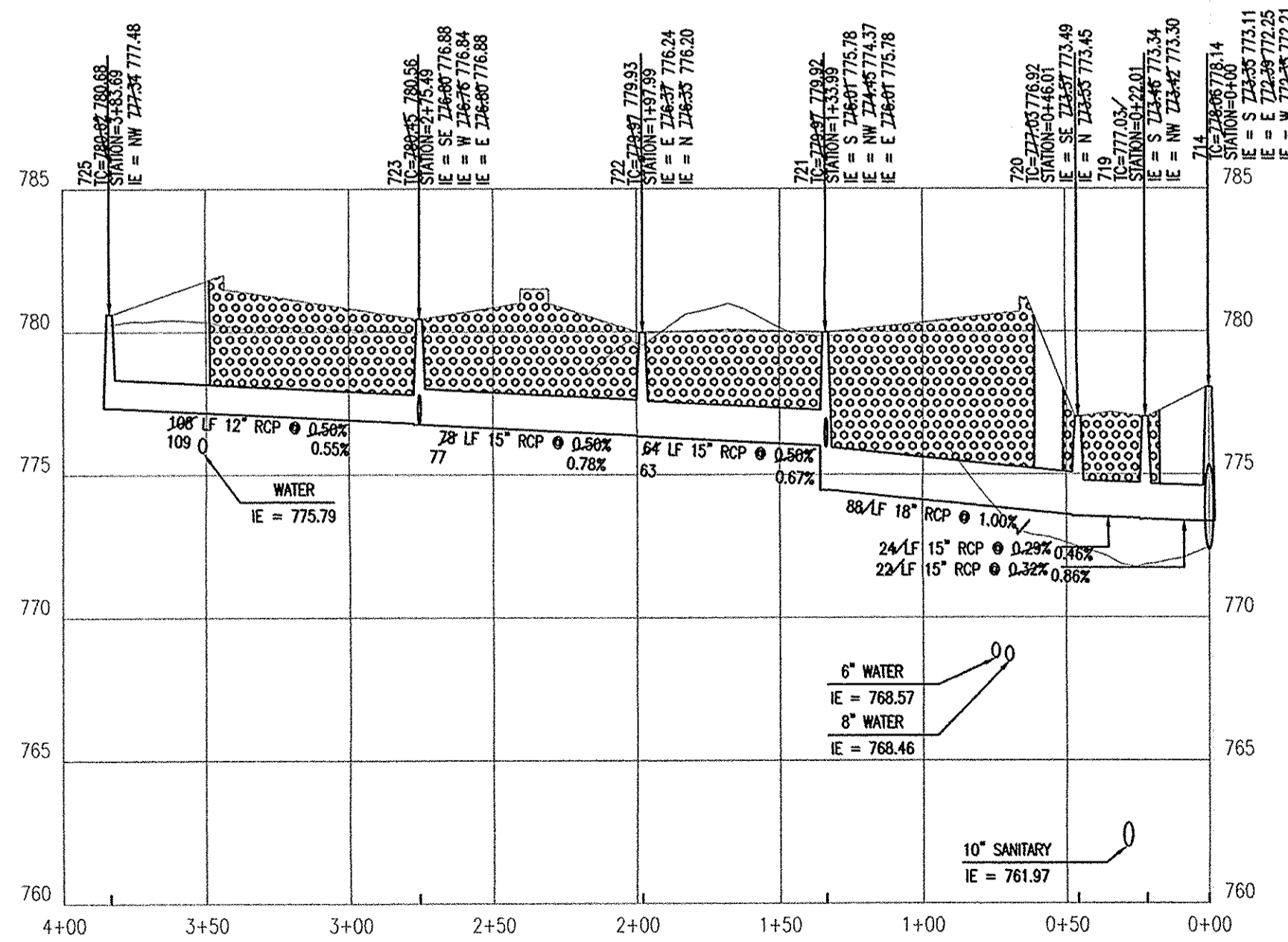


STORM SEWER PLAN AND PROFILE NOTES

- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29 CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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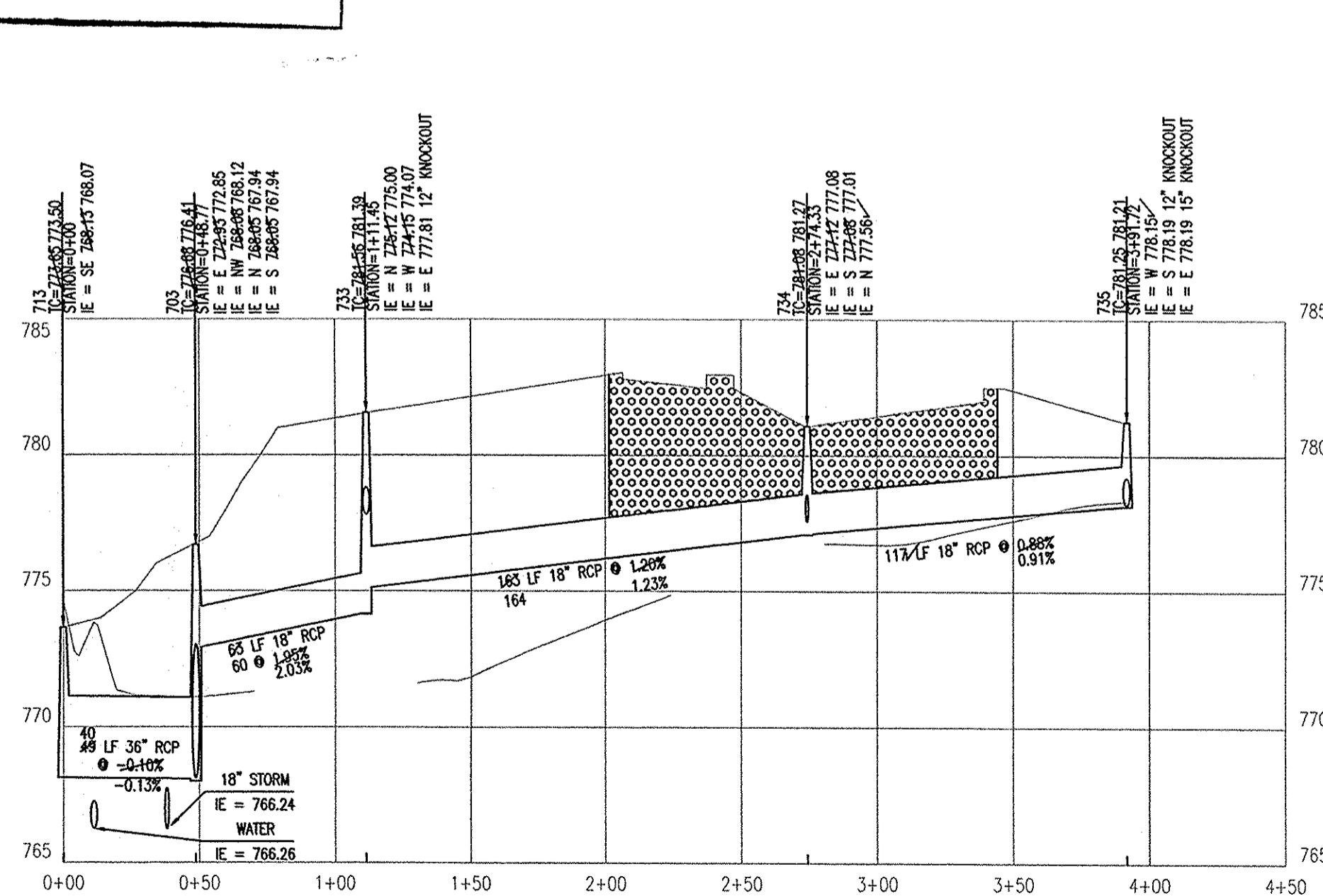


This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 2-3-09
 Entered By: SLM



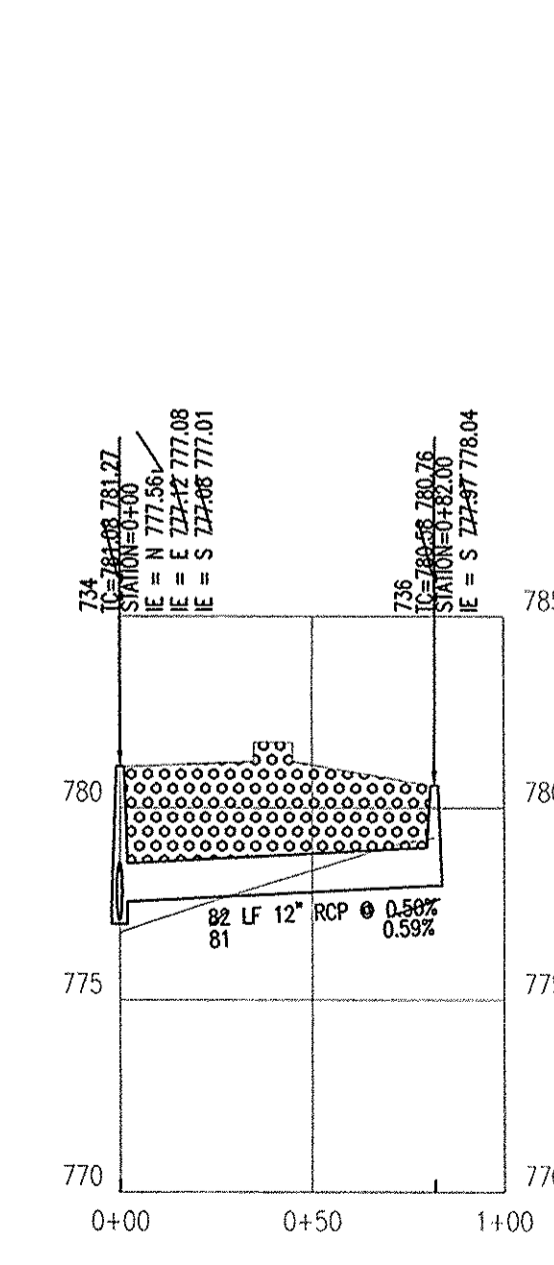
STR 714 - STR 725

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



STR 713 - STR 735

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



STR 734 - STR 736

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

Prepared for:
 GRADEX INC.
 3685 PRIORITY WAY SOUTH DRIVE
 INDIANAPOLIS, IN 46240

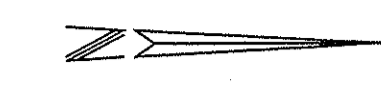
Prepared by:
 SURVEY TECH PC.
 7172 N. KEYSTONE AVE. UNIT #4
 INDIANAPOLIS, IN 46240

Juvenile Services Center
POST CONSTRUCTION SURVEY

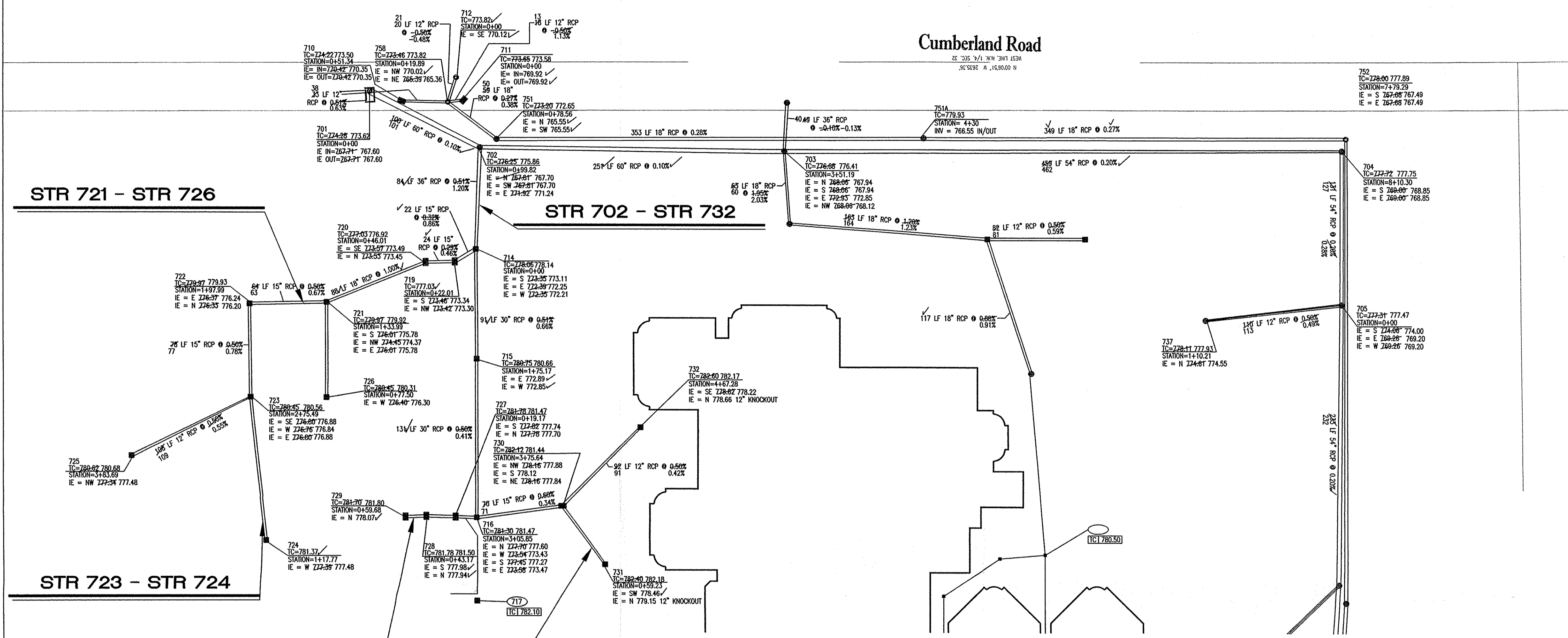
HAMILTON CO. BOARD OF COMMISSIONERS
 ONE HAMILTON SQUARE
 NOBLESVILLE, IN 46060

CERTIFIED BY:

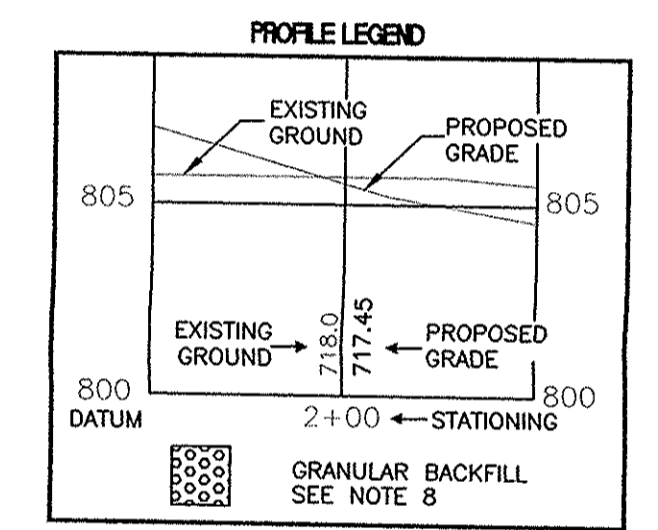
Drawn By: CJC
 Checked By: LDB
 Quality Assurance:
 Scale: 0' to 50'
 Sheet: C704
 Date: 07-28-2005
 Project Number: 24-011



Cumberland Road

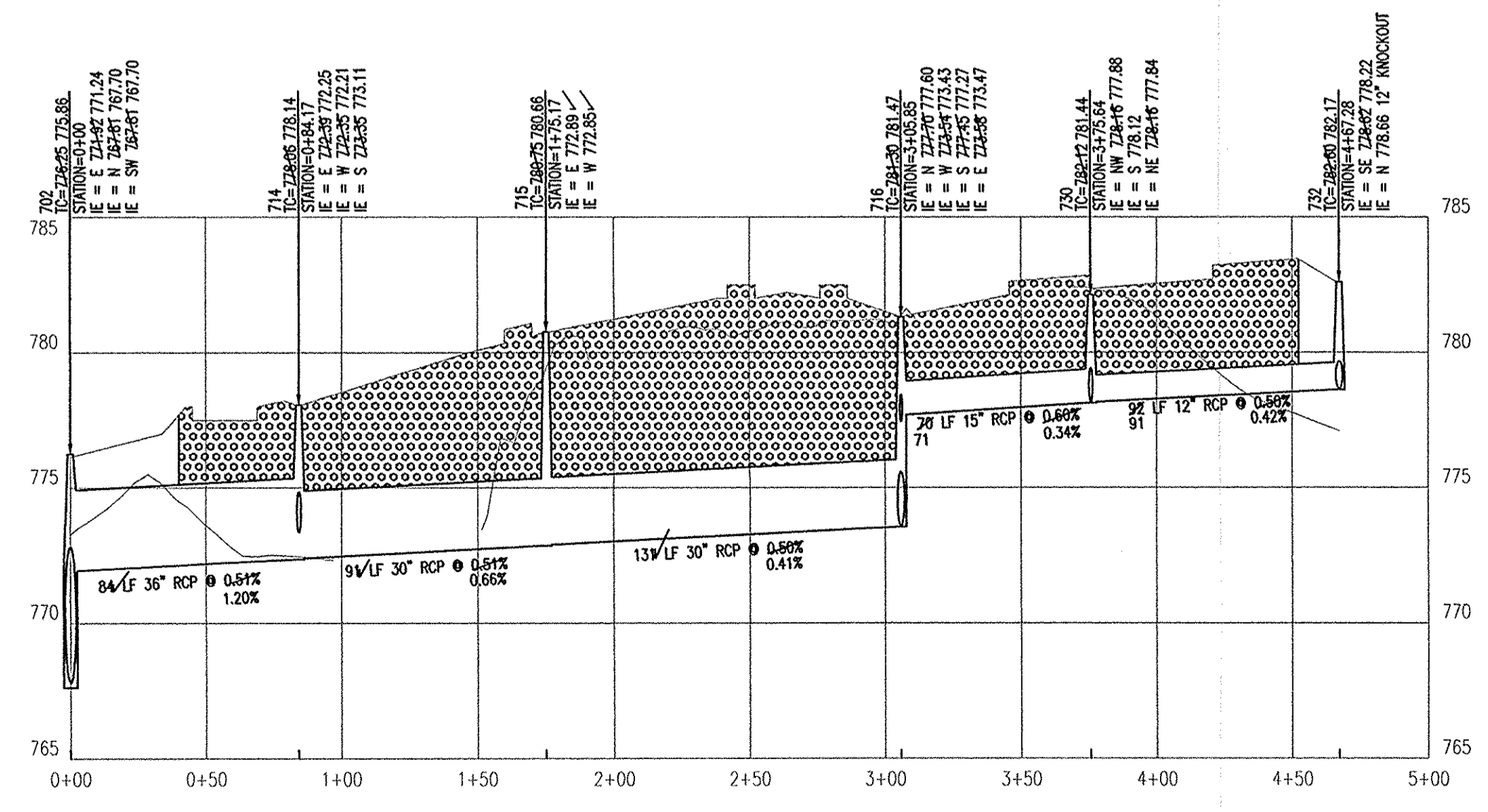


- STORM SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "F" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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 - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
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 - PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.

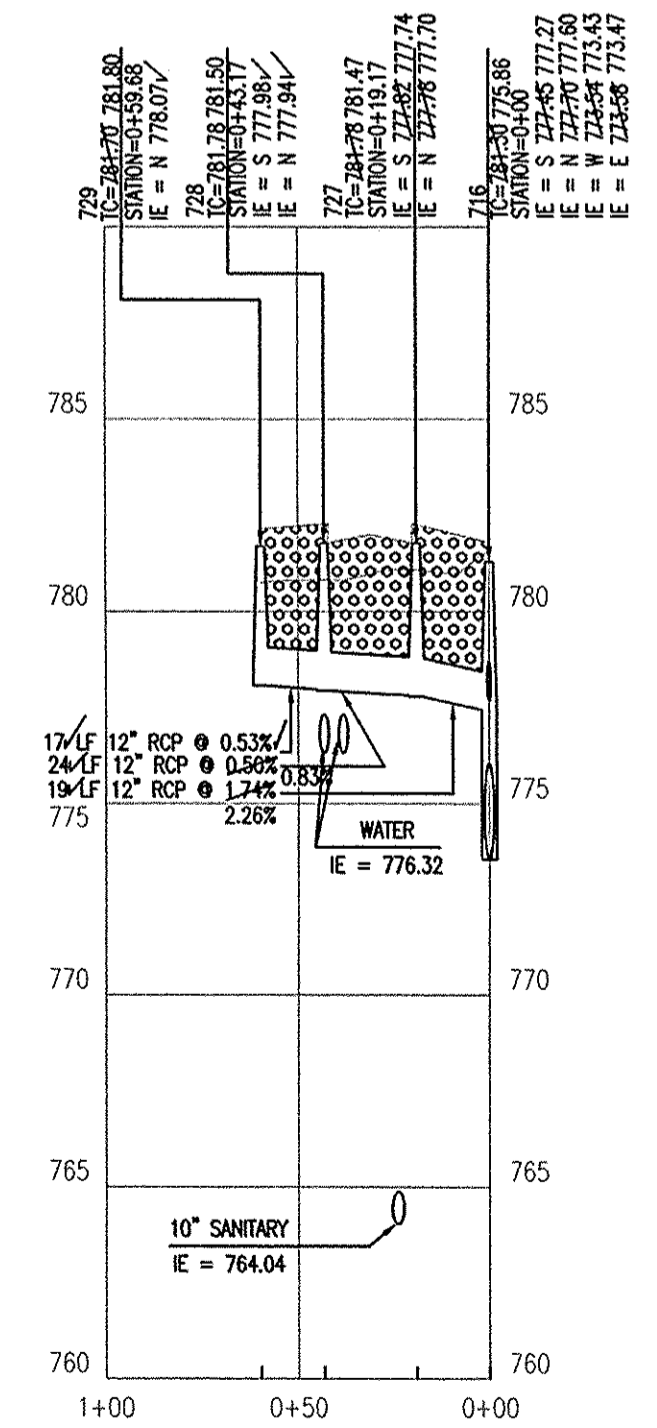


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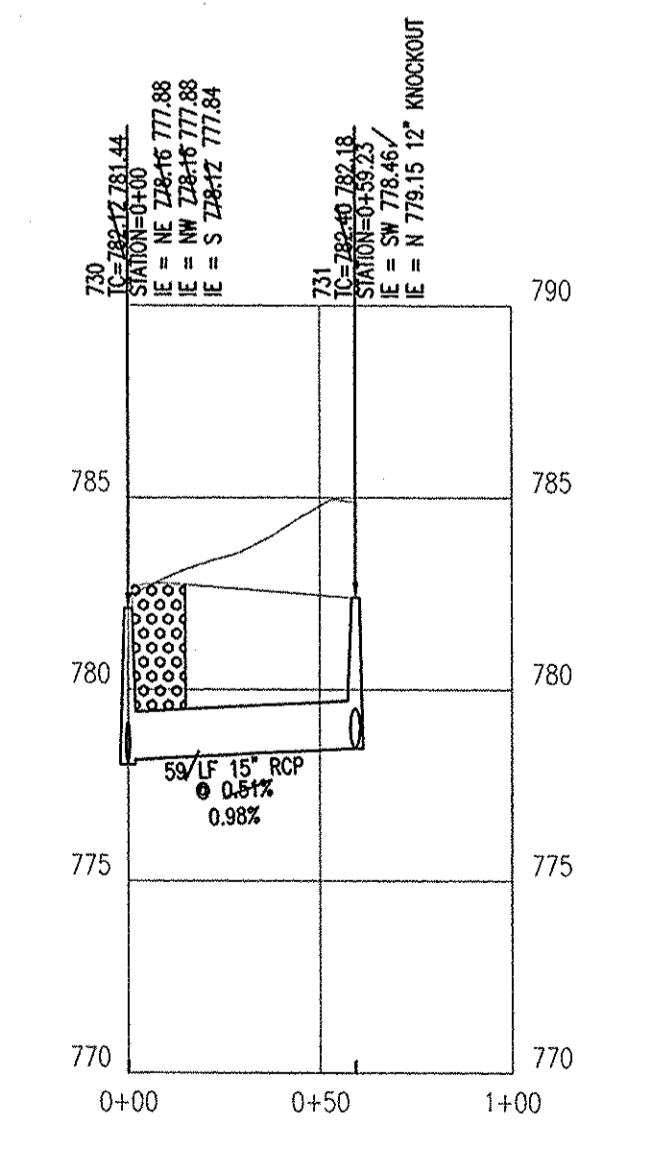
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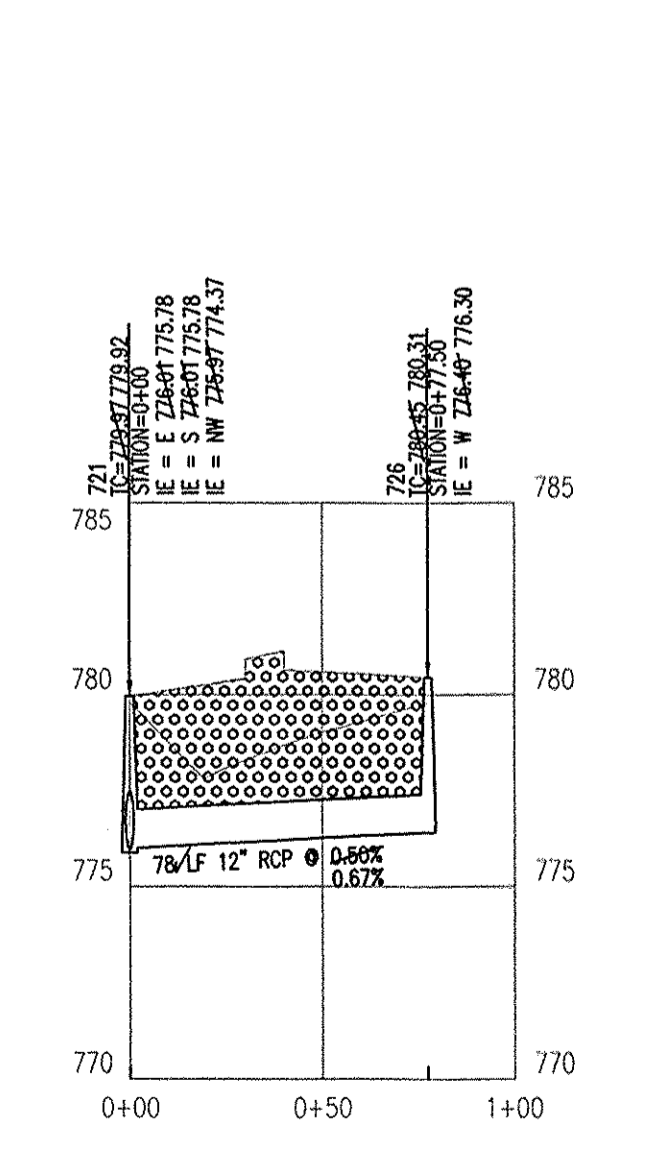
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VERT. SCALE: 1" = 5'



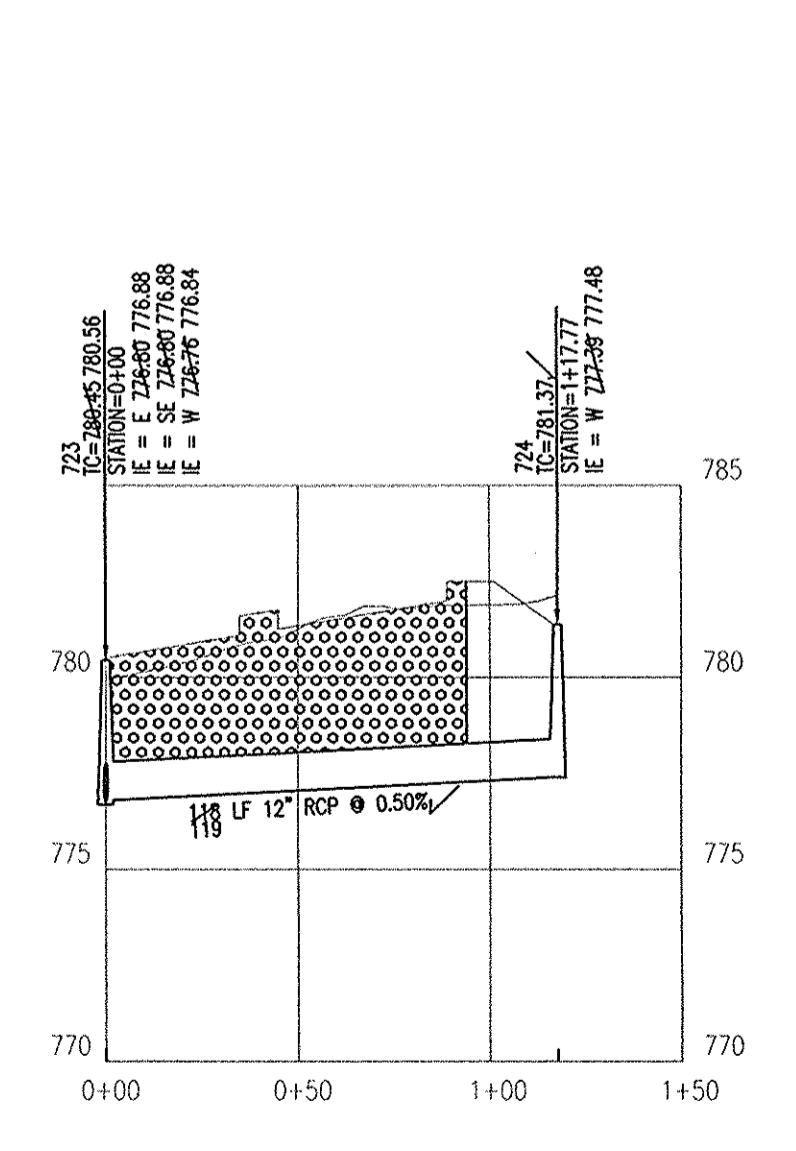
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STR 730 - STR 731
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STR 721 - STR 726
HOR. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



STR 723 - STR 724
HOR. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

Prepared for:
GRADEX INC.
3685 PRIORITY WAY SOUTH DRIVE
INDIANAPOLIS, IN 46240

Prepared by:
SURVEY TECH. PC.
7172 N. KEYSTONE AVE. UNIT #J
INDIANAPOLIS, IN 46240

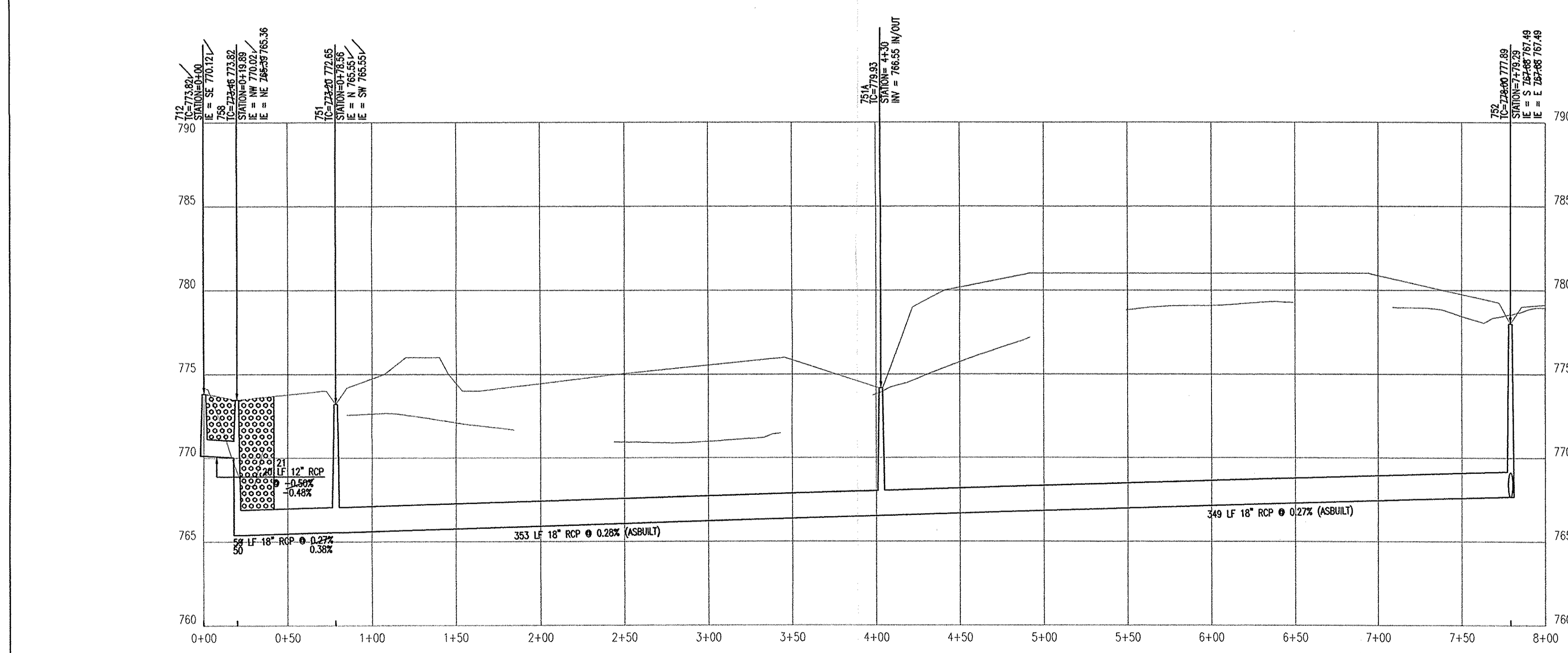
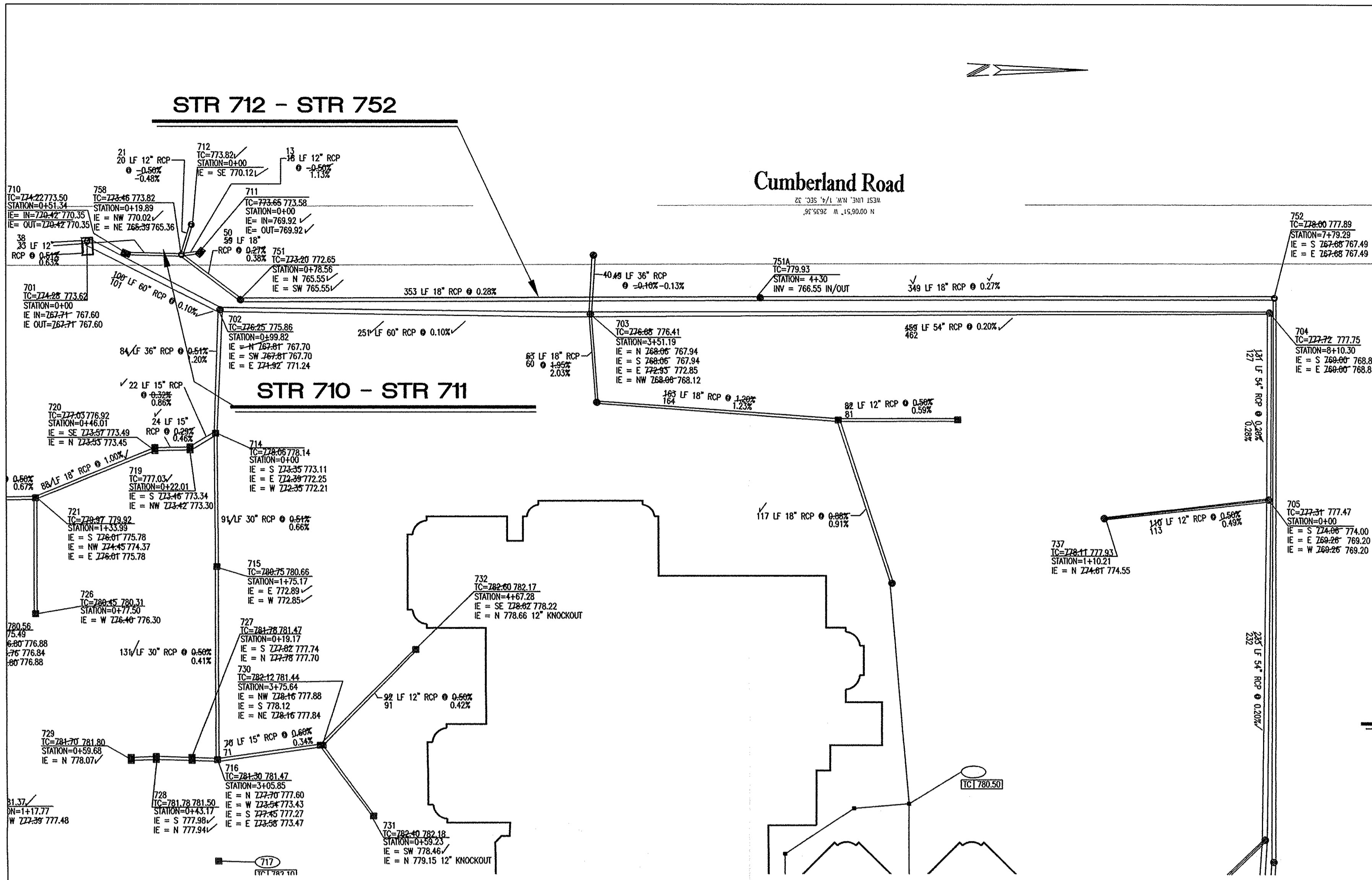
Juvenile Services Center
POST CONSTRUCTION SURVEY

HAMILTON CO. BOARD OF COMMISSIONERS
ONE HAMILTON SQUARE
NOBLESVILLE, IN 46060

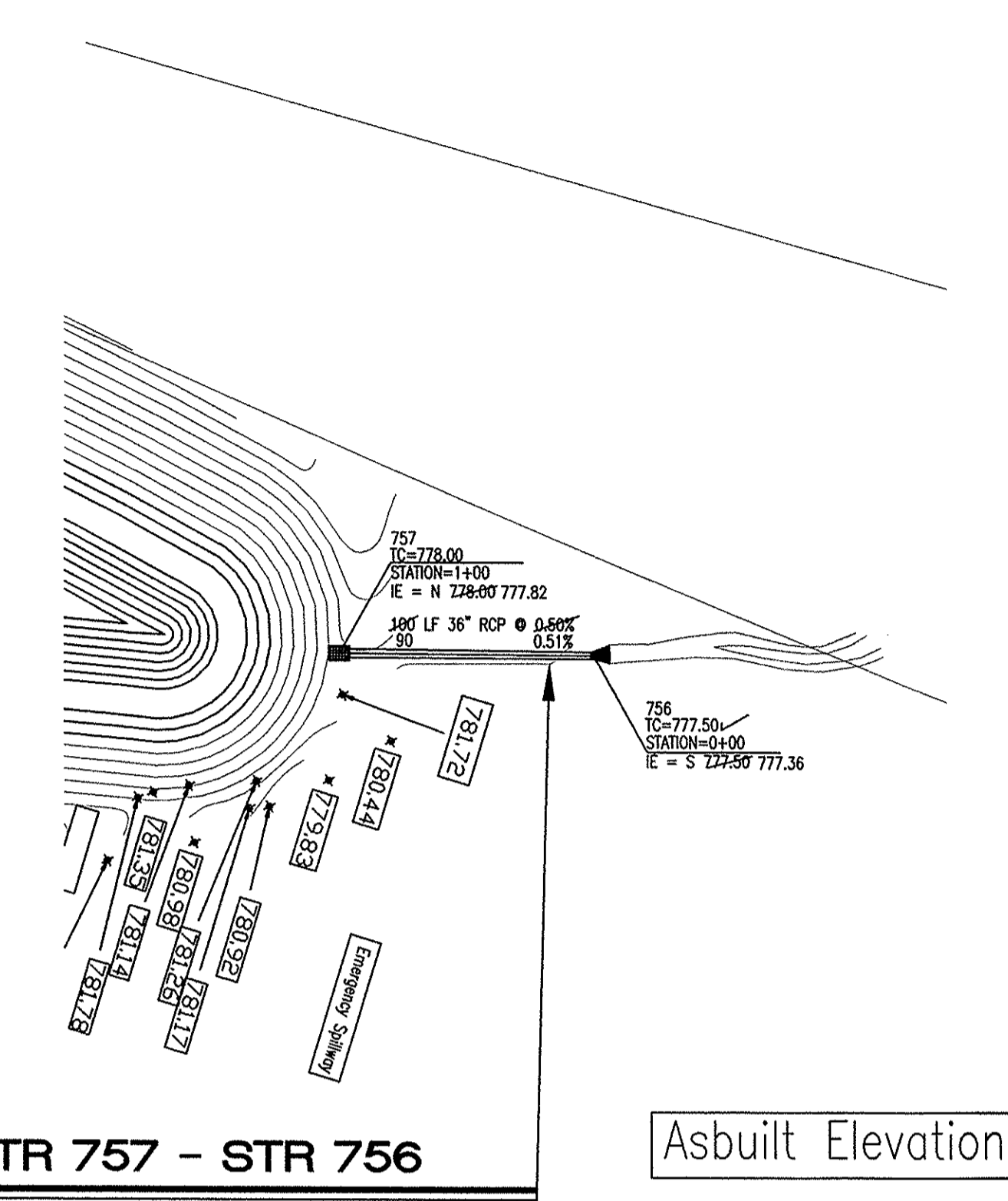
CERTIFIED BY:

Lyle David Bransford
REGISTERED
LAND SURVEYOR
138900007

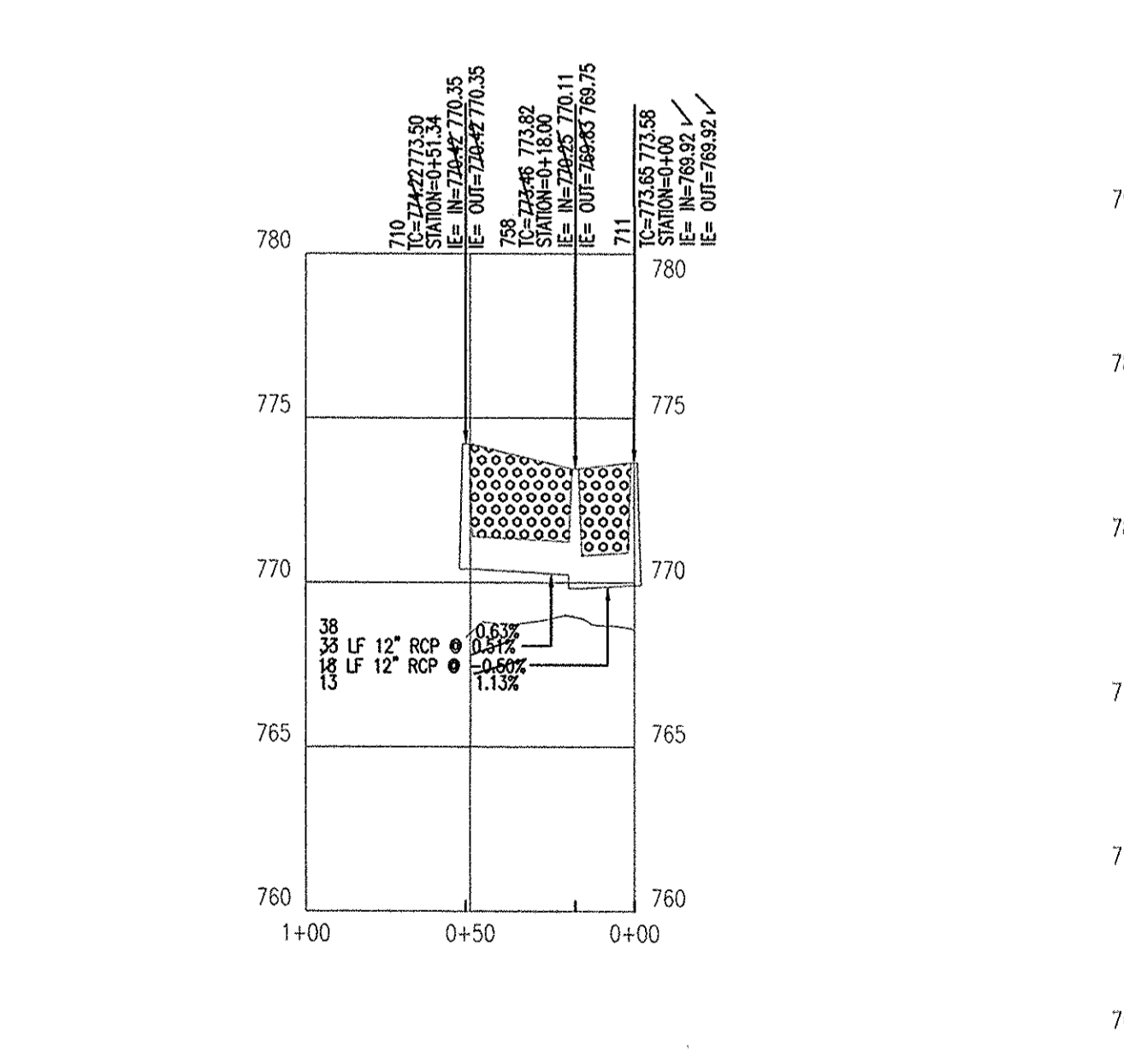
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Checked By: LDB
Quality Assurance:
Scale: 1" = 50'
Sheet: C705
Date: 07-28-2005
Project Number: 24-011



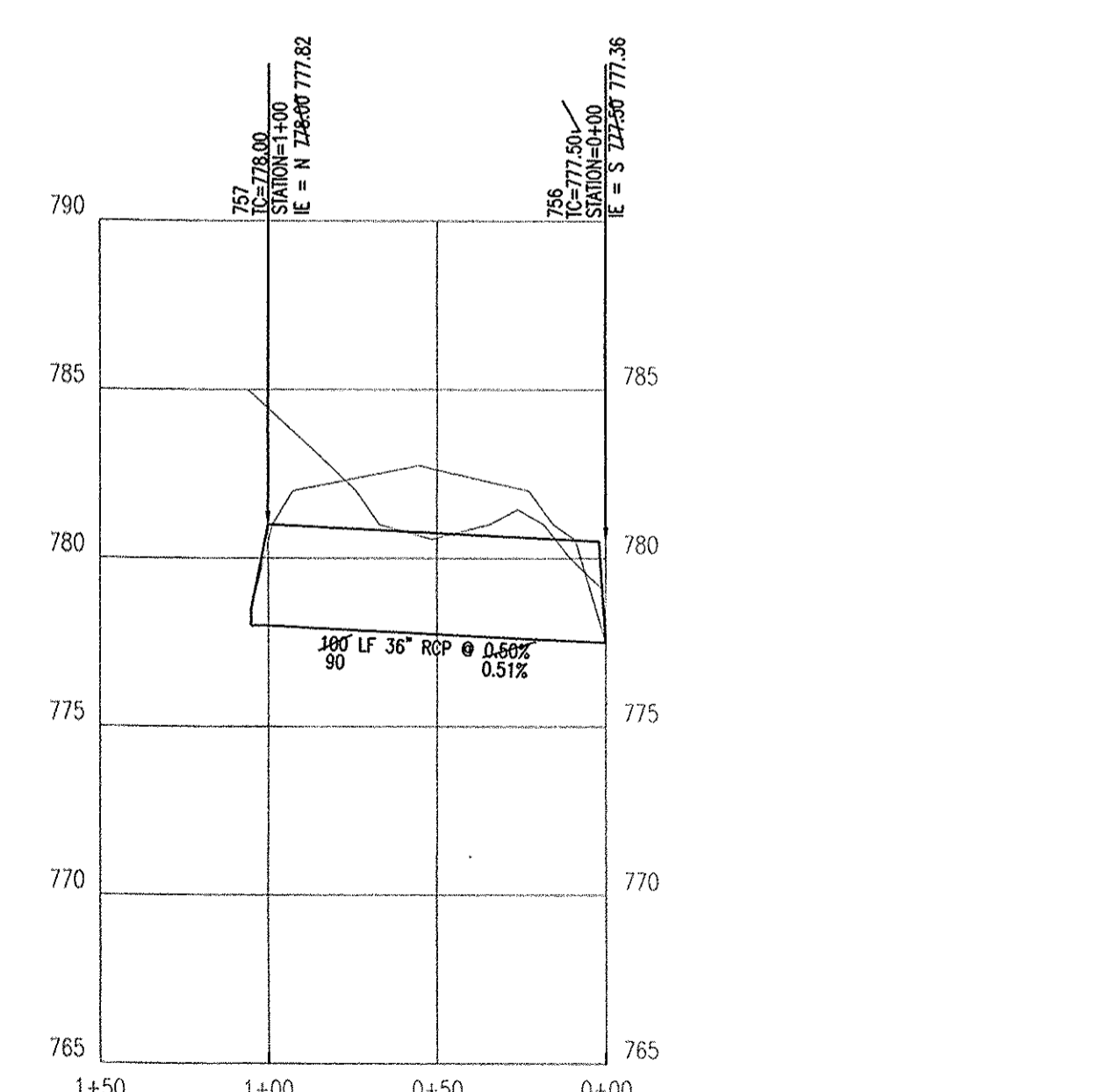
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 VERT. SCALE: 1" = 5'



STR 757 - STR 756
 Asbuilt Elevations



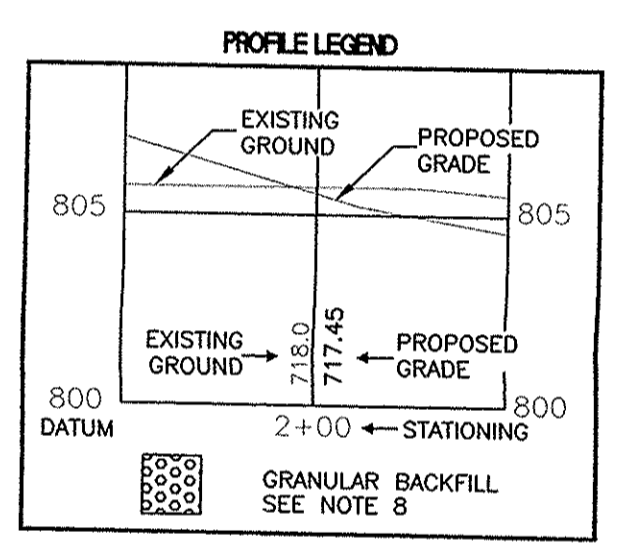
STR 710 - STR 711
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



STR 757 - STR 756
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

- STORM SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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Region	Construction
Sheet	
Scale	
Drawn By:	CJC
Checked By:	LDB
Duty Assurance:	
Scale:	0 1" = 50'
Sheet:	C706
Date:	07-28-2005
Project Number:	24-011

Prepared for:
 GRADEX INC.
 3685 PRIORITY WAY SOUTH DRIVE
 INDIANAPOLIS, IN 46240

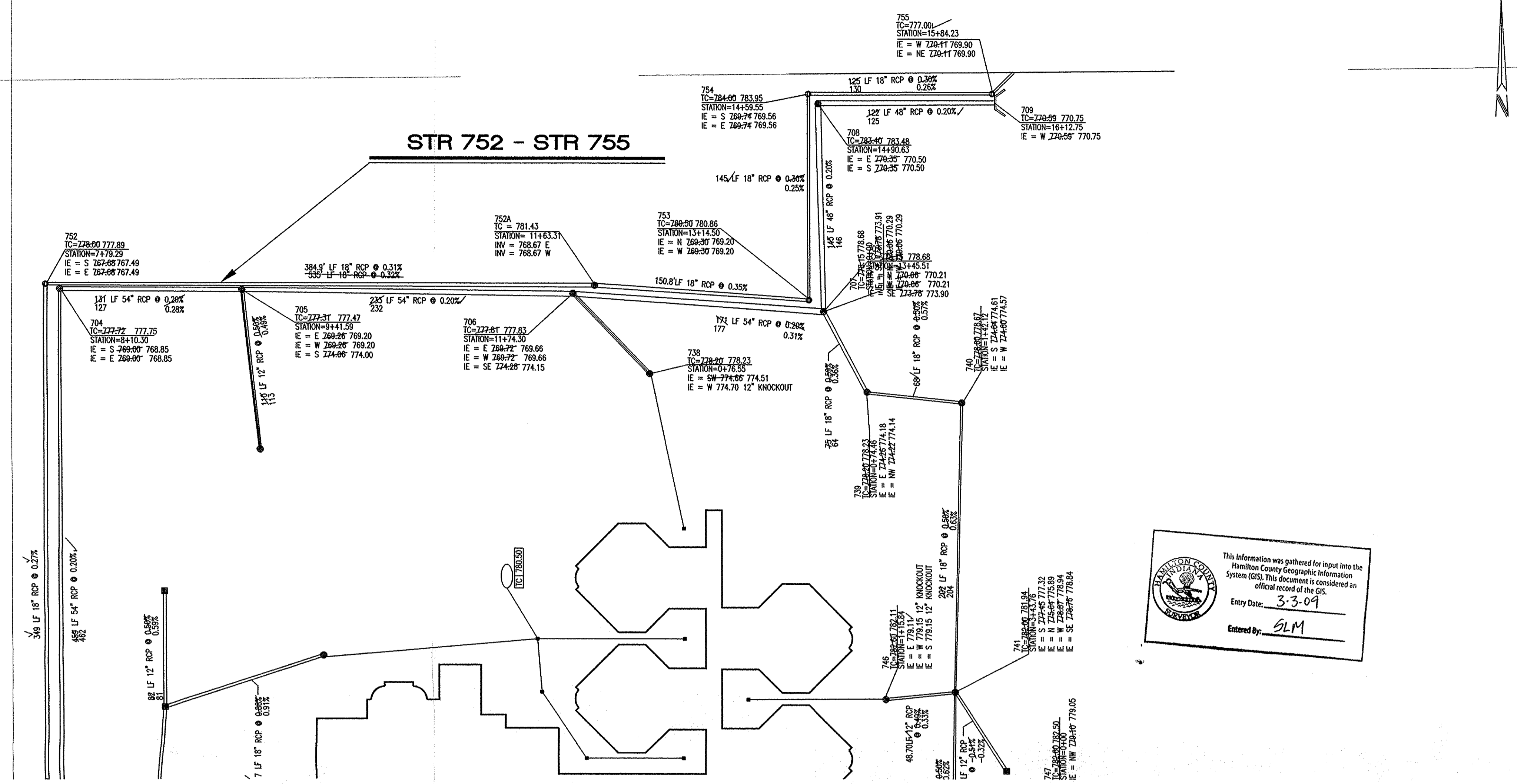
Prepared by:
 SURVEY TECH PC.
 7172 N. KEYSTONE AVE. UNIT #J
 INDIANAPOLIS, IN 46240

Juvenile Services Center
POST CONSTRUCTION SURVEY
 HAMILTON CO. BOARD OF COMMISSIONERS
 ONE HAMILTON SQUARE
 NOBLESVILLE, IN 46060

CERTIFIED BY:

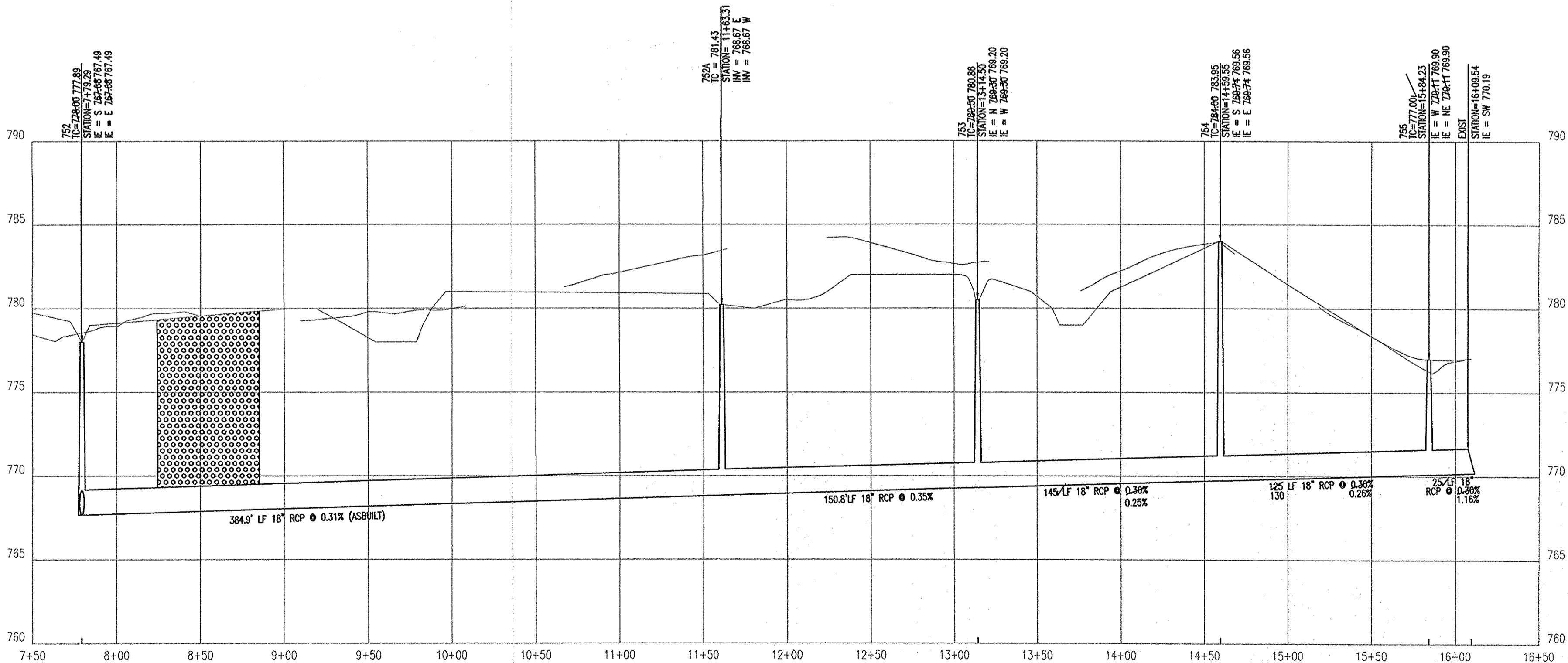
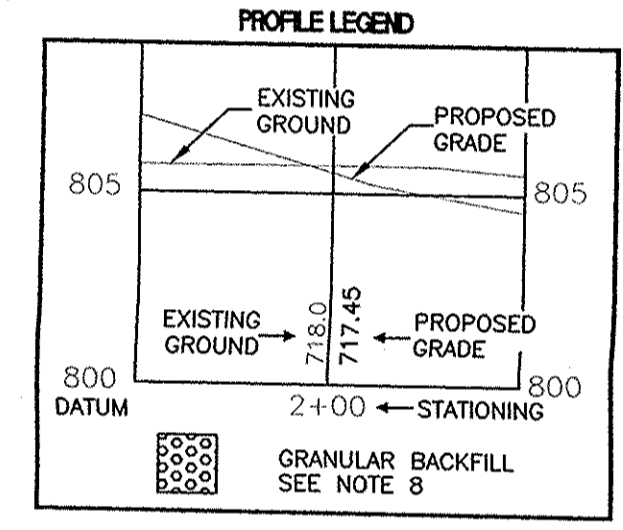
 DAVID BRANSON
 REGISTERED LAND SURVEYOR
 LICENSE NO. LS930007

Lumberland Road
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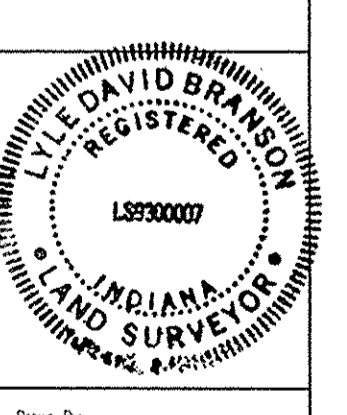
STR 752 - STR 755
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

Revisions	Date	Description

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Prepared by:
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**Juvenile Services Center
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CERTIFIED BY:
 Drawn By: CJC
 Checked By: LDB
 Quality Assurance:
 Scale: 1" = 50'
 Sheet: C707
 Date: 07-28-2005
 Project Number: 24-011