

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

September 21, 2016

Re: Elwood Wilson Drain, Hare Arm – Terry Lee Crossing Reconstruction (2016 Continuation)

Attached is a petition and plans for the proposed reconstruction of the Elwood Wilson Drain, Hare Arm. The reconstruction is being proposed and paid for by Terry Lee Crossing LLC. The proposal is to reconstruct the drain across parcel 11-11-05-00-00-001.000, owned by Terry Lee Crossing, LLC, and Terry Lee Crossing road right-of-way dedicated to the City of Noblesville, as part of the Terry Lee Crossing project per plans by American Structurepoint, Job No. 2012.00089, dated 08/05/2016. Part of the reconstruction will occur on parcel 11-11-05-00-00-011.001 owned by Kahlo III, LLC.

Per the plans, this relocation will replace the existing 10" tile installed in 1901. The reconstruction will begin at an existing manhole installed in 2005 with the Kahlo relocation of the Hare Arm and end at an existing manhole installed in 2013 with the Terry Lee Crossing relocation of the Hare Arm.

This line will consist of the following:

77' of 15" RCP

The total length of the relocated portion of the Hare Arm shall be 77 feet. The 75 feet of existing drain between Sta. 51+10 and 51+85 shall be removed. This proposal will add 2 feet to the drain's total length.

The 2013 Terry Lee Crossing relocation of this drain arm was per my July 22, 2013 report to the Board for the Elwood Wilson Drain, Hare Arm -Terry Lee Crossing Relocation, which was approved by the Board on July 22, 2013. For more information, see Drainage Board minutes book 15, pages 97-98.

The 2005 Kahlo relocation noted above was per my report to the Board dated December 9, 2005 and approved on December 22, 2005. For more information, see Drainage Board minutes book 8, pages 572-573.

The cost of the relocation is to be paid by Terry Lee Crossing LLC. The developer has provided surety in the form of a cash bond in the amount of \$13,645.00.

The easement for the relocated drain will be the statutory easement of 75' foot per half as measured from the centerline of the pipe and 75' from top of bank of open drain, until such time as a non-enforcement request is approved by the Board. A non-enforcement request is expected to be submitted in the near future by the petitioner as part of the land plan for Terry Lee Crossing.

I recommend that the Board set this item for hearing on November 28, 2016.

Sincerely,



Kenton C. Ward
Hamilton County Surveyor

KCW/stc

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

FILED

AUG 26 2016

OFFICE OF HAMILTON COUNTY SURVEYOR

IN RE: _____)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

_____ Terry Lee Crossing LLC _____ (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the _____ Elwood Wilson - Hare Arm _____ Drain, and in support of

said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the _____ Elwood Wilson - Hare Arm _____ 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 - Hare Arm _____ 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 - Hare Arm _____ Drain, without cost to other property owners on the watershed of the _____ Elwood Wilson - Hare Arm _____ Drain.

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

Mike D Cooke
Signed
Mike D. Cooke
Printed

FINDINGS AND ORDER

CONCERNING THE PARTIAL VACATION OF THE

Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction
(2016 Continuation)

Station 51+10 to Station 51+85

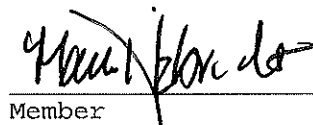
On this 28th day of November, 2016, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction (2016 Continuation) - Station 51+10 to Station 51+85.

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction (2016 Continuation) - Station 51+10 to Station 51+85.

HAMILTON COUNTY DRAINAGE BOARD



President



Member

Member

Attest: 

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Elwood Wilson Drain, Hare Arm - Terry Lee Crossing Reconstruction
(2016 Continuation)

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction (2016 Continuation)* came before the Hamilton County Drainage Board for hearing on *November 28, 2016*, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

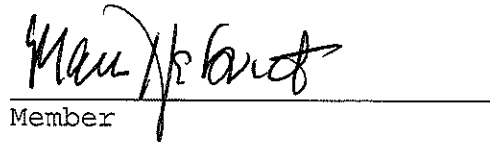
Wherefore, it is ORDERED, that the proposed Reconstruction of the *Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction (2016 Continuation)* be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD



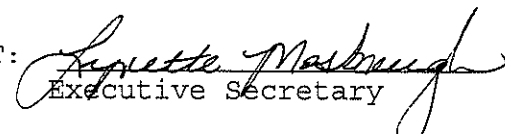
PRESIDENT



Member

Member

ATTEST:

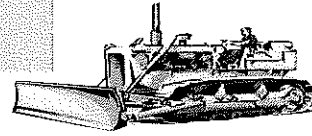


Executive Secretary

Swinney Brothers Excavating, Inc.

11140 N. State Road 67
Mooresville, Indiana 46158

Phone: 317/831-2081
Fax: 317/831-4029



July 8, 2016

CPM
10053 North Hague Road
Indianapolis, IN 46256

Attn: Bryan Rusk
Re: Terry Lee Crossing road extension

Bryan,
The following is the cost to add 75lf of 15" RCP at the Hare legal drain;

- Remove 75lf of existing 10" clay tile and export off site, Core (2) manholes, 75lf of 15"RCP, #8 stone bedding, granular backfill, jet and camera pipe and export spoils to adjacent lot

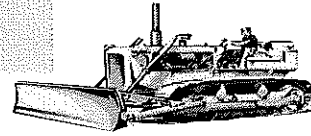
\$8,840.00

Mark Egbert

Swinney Brothers Excavating, Inc.

11140 N. State Road 67
 Mooresville, Indiana 46158

Phone: 317/831-2081
 Fax: 317/831-4029



August 11, 2016

CPM
10053 North Hague Road
Indianapolis, IN 46256

Attn: Bryan Rusk
Re: Terry Lee Crossing road extension

FILED

AUG 26 2016

Bryan,

The following is the cost to remove (1) existing storm box and add (1) 48" storm manhole at the Hare legal drain;

OFFICE OF HAMILTON COUNTY SURVEYOR

- (1) 48" manhole with (1) R-1772 casting.....	\$1,325.00
- 6 ton of stone.....	132.00
- (2) cy of grout.....	350.00
- Excavator w/op and labor (1) day.....	2,048.00
- Manhole delivery.....	85.00
- Credit (1) core.....	<u>(375.00)</u>

Total **\$3,565.00**

Mark Egbert

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Elwood Wilson Drain, Hare Arm
Terry Lee Crossing Reconstruction (2016 Continuation)

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Elwood Wilson Drain, Hare Arm, Terry Lee Crossing Reconstruction (2016 Continuation)** on **November 28, 2016** at **9:00 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF Elwood Wilson Drain, Hare Arm, Terry Lee
Crossing Reconstruction (2016 Continuation)

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **November 28, 2016** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

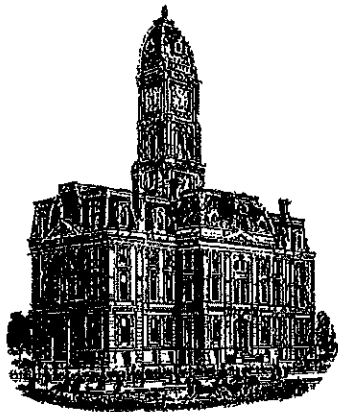
If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Christine Altman
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY

KLW



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

January 9, 2017

Re: Elwood Wilson Drain – Terry Lee Crossing 2016 Continuation

Attached are as-built, certificate of completion & compliance, and other information for Elwood Wilson Drain – Terry Lee Crossing. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

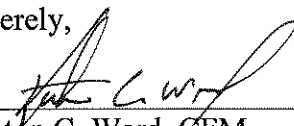
During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated September 21, 2016. The report was approved by the Board at the hearing held November 28, 2016. (See Drainage Board Minutes Book 17, Pages 202-204) Therefore, the length of the drain remains at **77 feet**.

Per the initial Surveyor's report, the drainage easement for this project is to be 75 feet per half as outlined in the Indiana Drainage Code. The following sureties were guaranteed by Terry Lee and released by the Board on its January 23, 2017 meeting.

Bond: Cash Surety
Amount: \$13,645
For: Storm Sewers

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Elwood Wilson Drain, Hare Arm (2016 Continuation)

American Structurepoint Job# 2012.00089

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 conformity with all plans and specifications.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

Signature:  Date: 11/30/2016

Type or Print Name: Bradley Schrage, PE

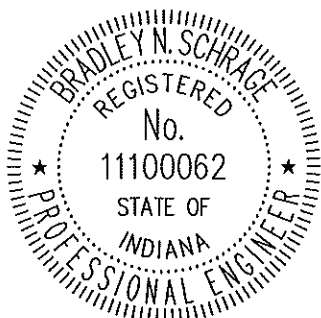
Business Address: 7260 Shadeland Station

Indianapolis, IN 46256

Telephone Number: 317-547-5580

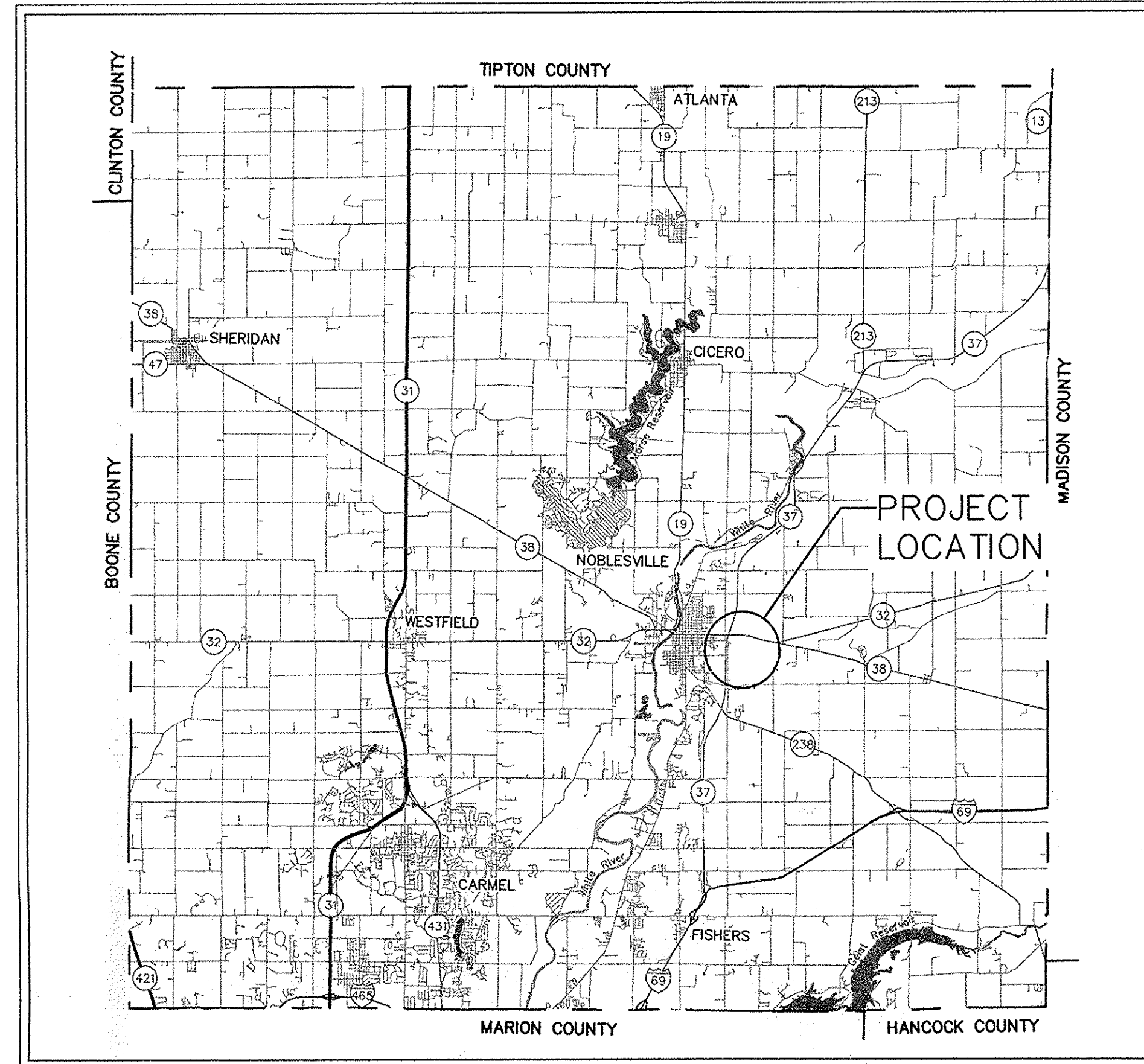
SEAL

INDIANA REGISTRATION NUMBER

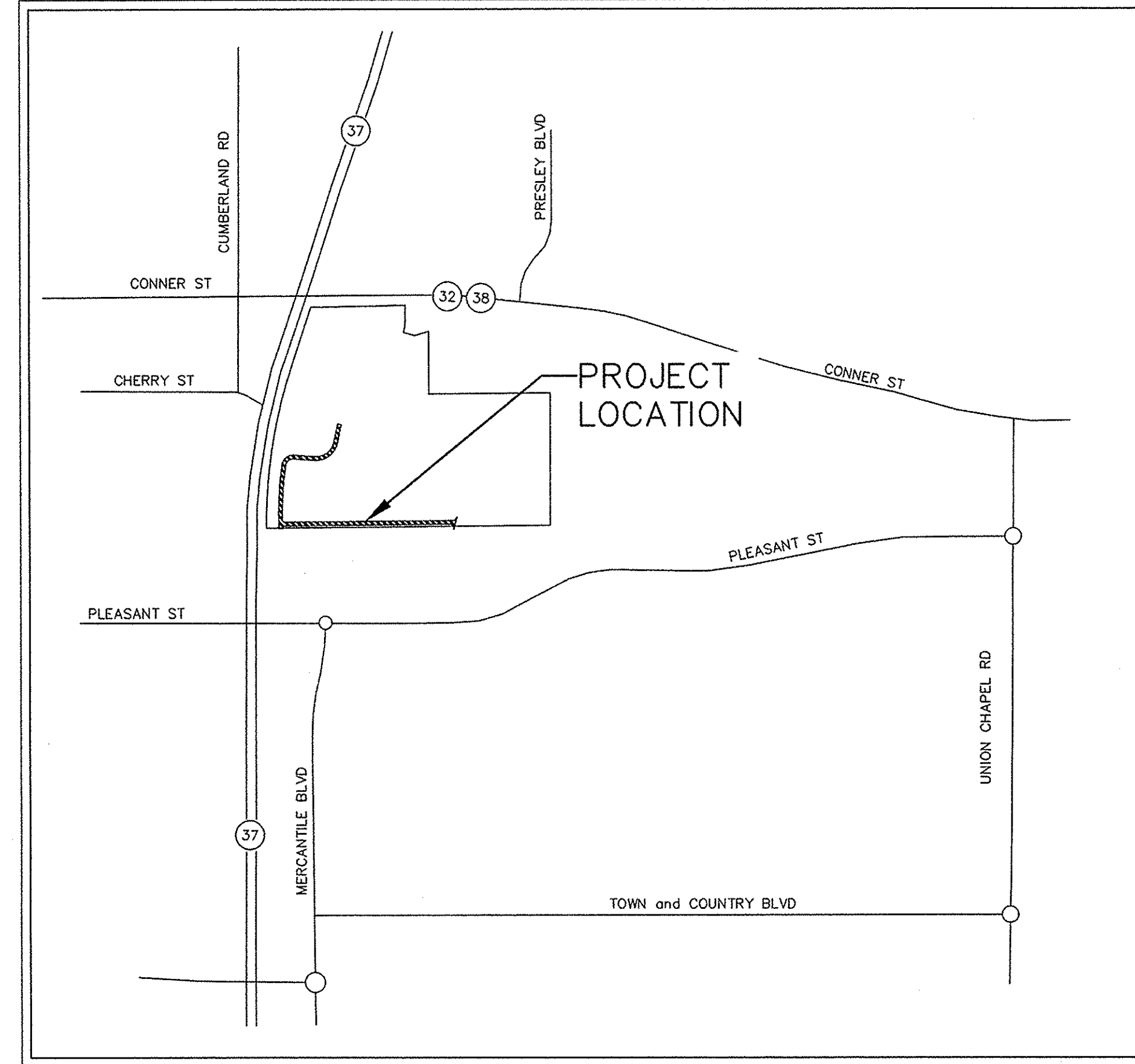


PE11100062

DEVELOPMENT PLANS FOR TERRY LEE CROSSING @ TERRY LEE CROSSING NOBLESVILLE, INDIANA



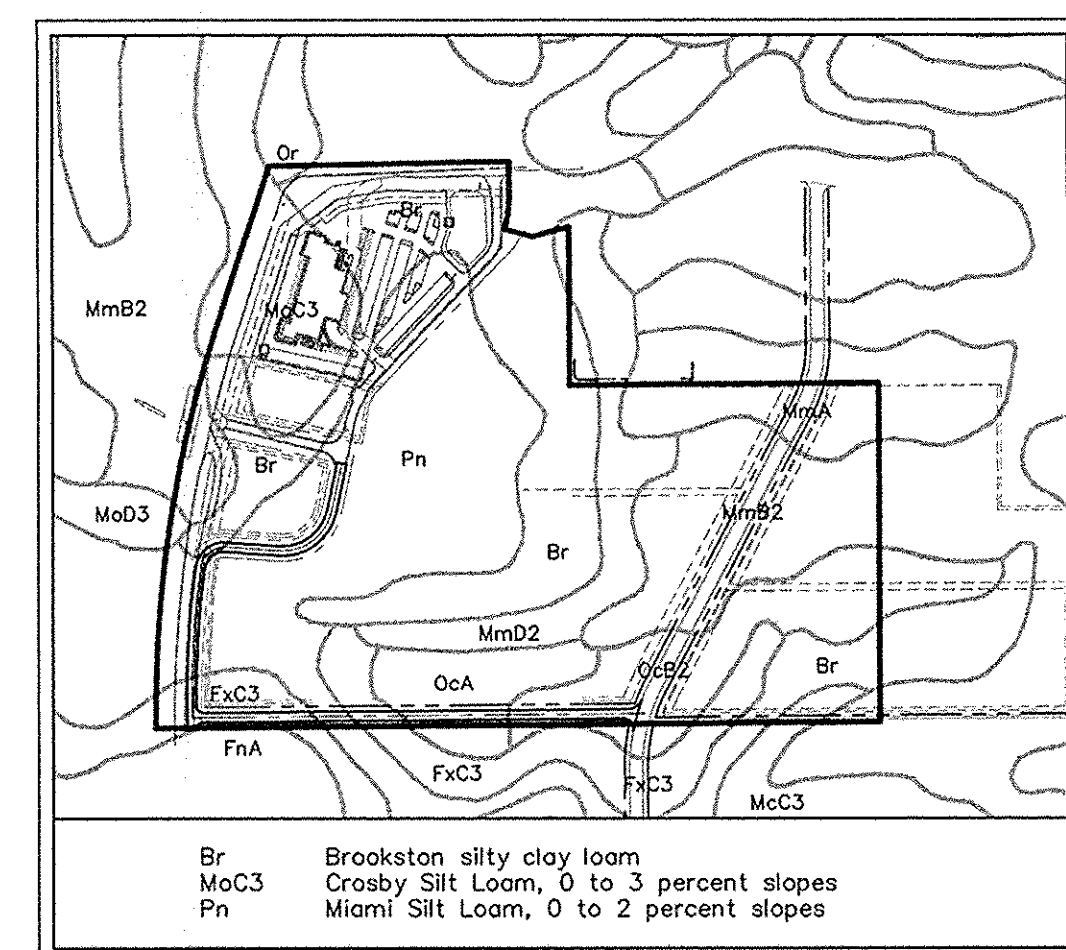
LOCATION MAP
NOT TO SCALE



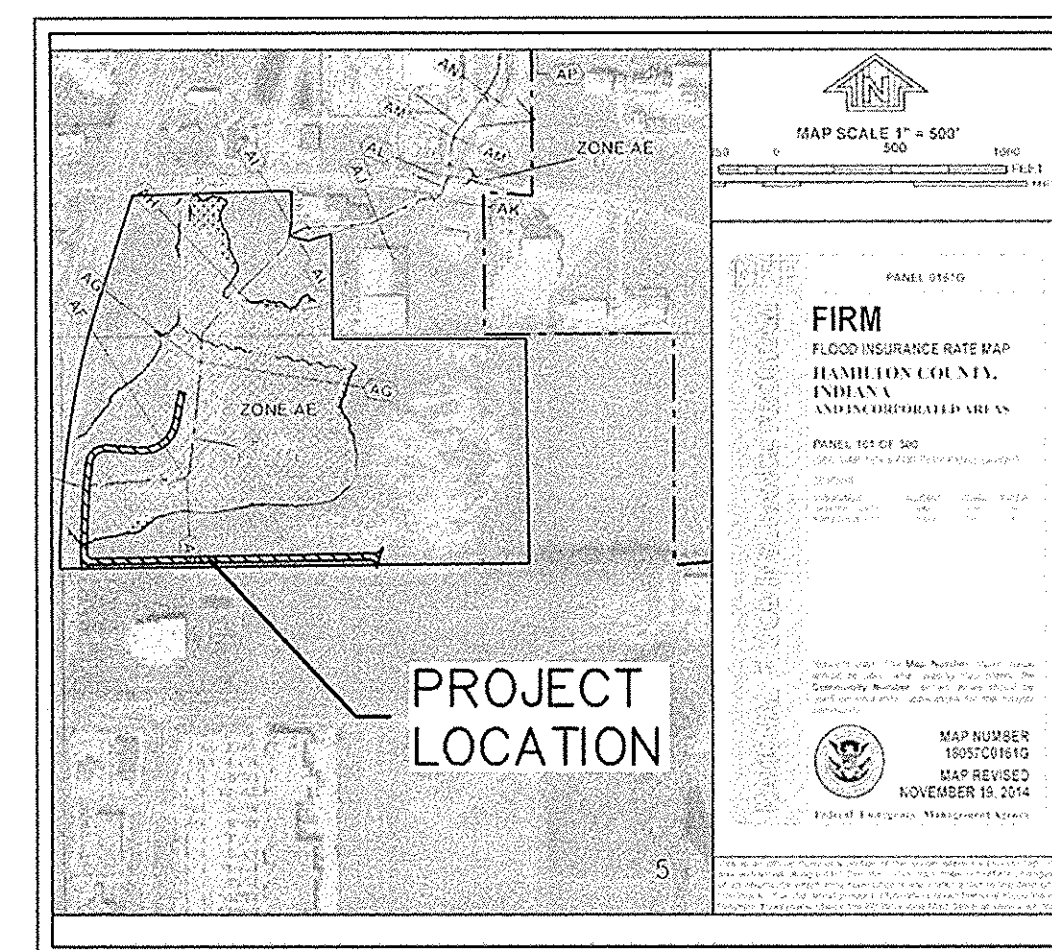
VICINITY MAP
NOT TO SCALE

INDEX	
DESCRIPTION	SHEET No.
TITLE SHEET	C001
GENERAL NOTES	C002
EXISTING TOPOGRAPHY & DEMOLITION PLAN	C100
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ROAD SIGNAGE & PAVEMENT MARKING PLAN	C300
EROSION CONTROL PLAN	C600
EROSION CONTROL DETAILS	C601-C604
STORM WATER POLLUTION PREVENTION PLAN	C610
SITE DETAILS	C700-C702
ROAD CROSS-SECTIONS	C800-C806
CITY OF NOBLESVILLE STANDARD DETAILS	1-13

PLAN DATE: 10/27/2014



SOILS MAP
NOT TO SCALE



FIRM MAP
NOT TO SCALE

STREET INVENTORY		
STREET INVENTORY	SEGMENT	CL LENGTH
TERRY LEE CROSSING - RD-A	10+00 - 28+31.66	1856'
TERRY LEE CROSSING - RD-B	10+00 - 15+85.22	585'

STORM SEWER PIPE			
PIPE	CLASS	DEPTH	LENGTH
12"	RCP	4'-6"	1056'
15"	RCP	4'-6"	795'
18"	RCP	4'-6"	770'
24"	RCP	4'-6"	54'

SIDEWALK INVENTORY	
TYPE	LENGTH
5' CONCRETE	1102'
8' MULTI-USE	1342'

CURB	
TYPE	LENGTH
6"	2551'
8"	2045'

PLANS PREPARED FOR:
TERRY LEE CROSSING, LLC
8693 E. U.S. HIGHWAY 36
AVON, INDIANA 46123

PLANS PREPARED BY:

AMERICAN STRUCTUREPOINT INC.
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256-3957
TEL 317.547.5580 FAX 317.543.0270
www.structurepoint.com

THE NOBLESVILLE STANDARDS SHALL BE INCORPORATED BY REFERENCE INTO THESE PLANS. NO ALTERNATE SPECIFICATIONS OR MATERIALS OR NEW MATERIALS MAY BE USED WITHOUT THE EXPRESS WRITTEN APPROVAL FROM THE CITY OF NOBLESVILLE PRIOR TO THE COMPLETION OF WORK.

NOTE:
THE CITY OF NOBLESVILLE STANDARDS FOR PUBLIC INFRASTRUCTURE CONSTRUCTION SHALL BE INCORPORATED BY REFERENCE INTO THESE PLANS. IN THE EVENT THAT CONFLICTING STANDARDS OCCUR, THE FOLLOWING ORDER OF PRECEDENCE SHALL GOVERN:

- A. CITY OF NOBLESVILLE STANDARDS
- B. INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS
- C. TEN STATE STANDARDS
- D. PROJECT SPECIFIC PROVISIONS
- E. ANY OTHER APPLICABLE STANDARDS AND SPECIFICATIONS

UTILITY CONTACTS			
UTILITY	COMPANY	CONTACT	PHONE NO.
GAS	VECTREN	RANDY CRUTCHFIELD	317-776-5560
ELECTRIC	DUKE ENERGY	TRACY GRADY	1-800-774-0246
TELEPHONE	AT&T	BRIAN PETERS	317-610-5437
WATER	INDIANA AMERICAN WATER CO.	NEAL MCKEE	317-773-2497
SANITARY	CITY OF NOBLESVILLE	BRIAN GRAY	317-776-6330
CABLE	INSIGHT COMMUNICATIONS	MATTHEW STRINGER	317-774-3384

ERRORS AND OMISSIONS STATEMENT

Design professional certifying plans for the project acknowledges their professional responsibility for the technical accuracy of its work and certifies that its plans reflect customary professional skill and care in design professional's efforts to comply with all appropriate laws, standards, regulations and ordinances. If the design professional's plans fail to meet this standard, the design professional shall determine a solution that complies with all appropriate laws, standards, regulations and ordinances. If such an error or omission is found, the developer is not relieved to comply with all appropriate laws, standards, regulations and ordinances.

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: 2016
Entered By: SLM

REV	DATE	DESCRIPTION
△	06/25/15	TAC COMMENTS
△	08/12/15	ENGINEERING COMMENTS
△	01/11/16	ENGINEERING COMMENTS
△	03/10/16	ENGINEERING COMMENTS
△	03/25/16	ENGINEERING COMMENTS
△	05/09/16	ENGINEERING COMMENTS

FILED
NOV 29 2016

OFFICE OF HAMILTON COUNTY SURVEYOR
BRADLEY N. SCHRAGE, P.E.

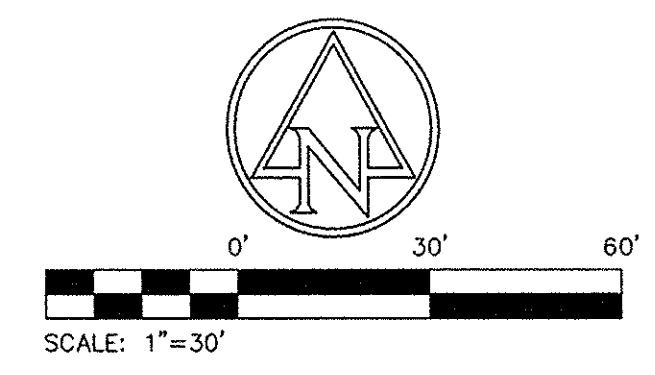
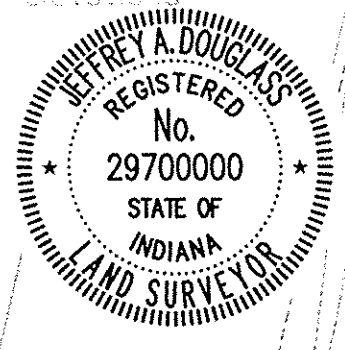
C001
JOB# 2012.00089

AS-BUILT

STORM SEWER AS-BUILT STATEMENT

As-Built information for storm sewer lines are based upon above ground evidence of the existing storm sewer system. The strike through data shown on the Storm Sewers are the proposed elevations for all the structures to be placed. Said information has been replaced by the as built information per elevations collected on the field on November 8, 2016.

J.H.A. Douglas
 Registered Land Surveyor No. 29700000



PROPOSED SITE & UTILITY LEGEND

- (A) 2' CONCRETE CURB & GUTTER (6" CURB)
- (B) 2' CONCRETE CURB & GUTTER (8" CURB)
- (C) COMBINED WALK & CURB
- (D) CONCRETE SIDEWALK
- (E) MULTI-USE PATH
- (F) GUARDRAIL WITH TERMINAL END BUFFER
- (G) WOODEN PEDESTRIAN GUARDRAIL
- (H) A.D.A. RAMP (TYPE "A")
- (I) A.D.A. RAMP (TYPE "C")
- (J) A.D.A. RAMP (TYPE "K")
- (K) CONTRACTOR TO ENSURE VERTICAL CONFLICTS DO NOT EXIST. 18" VERTICAL SEPARATION REQUIRED BETWEEN WATER/STORM/SANITARY CROSSINGS
- (L) CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES TO ENSURE CONFLICTS DO NOT EXIST WITH PROPOSED UTILITIES
- (M) POND OVERFLOW PATH

EXISTING LEGEND

- (1) DRAINAGE MANHOLE
- (2) DRAINAGE INLET
- (3) GUY WIRE
- (4) GUARD POST
- (5) RIGHT-OF-WAY MARKER
- (6) CLEAN OUT
- (7) SANITARY MANHOLE
- (8) SIGN
- (9) DECIDUOUS TREE
- (10) ELECTRIC HANDHOLE
- (11) LIGHT POLE
- (12) POWER POLE
- (13) TRANSFORMER
- (14) GAS MARKER
- (15) BRACE POLE
- (16) TELEPHONE MANHOLE
- (17) TRAFFIC MANHOLE
- (18) TRAFFIC POLE
- (19) VENT
- (20) TOP OF RIM ELEVATION
- (21) INVERT ELEVATION
- (22) CORRUGATED PLASTIC PIPE
- (23) PLASTIC PIPE
- (24) CORRUGATED METAL PIPE
- (25) CLAY PIPE
- (26) REINFORCED CONCRETE PIPE
- (27) OVERHEAD ELECTRIC LINE
- (28) OVERHEAD TRAFFIC LINE
- (29) METAL END SECTION
- (30) PLASTIC END SECTION
- (31) APPROXIMATE LOCATION OF FIELD TILE
- (32) WETLANDS

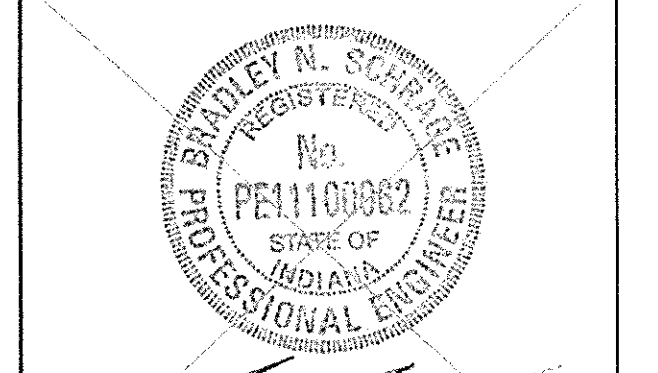
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 Entry Date: 2016
 Entered By: SLM

TERRY LEE CROSSING
 8693 E. U.S. HIGHWAY 36
 AVON, INDIANA 46123

AMERICAN STRUCTUREPOINT INC.
 7260 Shadeland Station | Indianapolis, Indiana 46266
 TEL 317.547.5580 | FAX 317.543.0270
 www.structurepoint.com

TERRY LEE CROSSING @ TERRY LEE CROSSING

NOBLESVILLE, IN



CERTIFIED BY: BRADLEY N. SCHRAGE

ISSUANCE INDEX	
DATE:	10/27/2014
PROJECT PHASE:	DESIGN

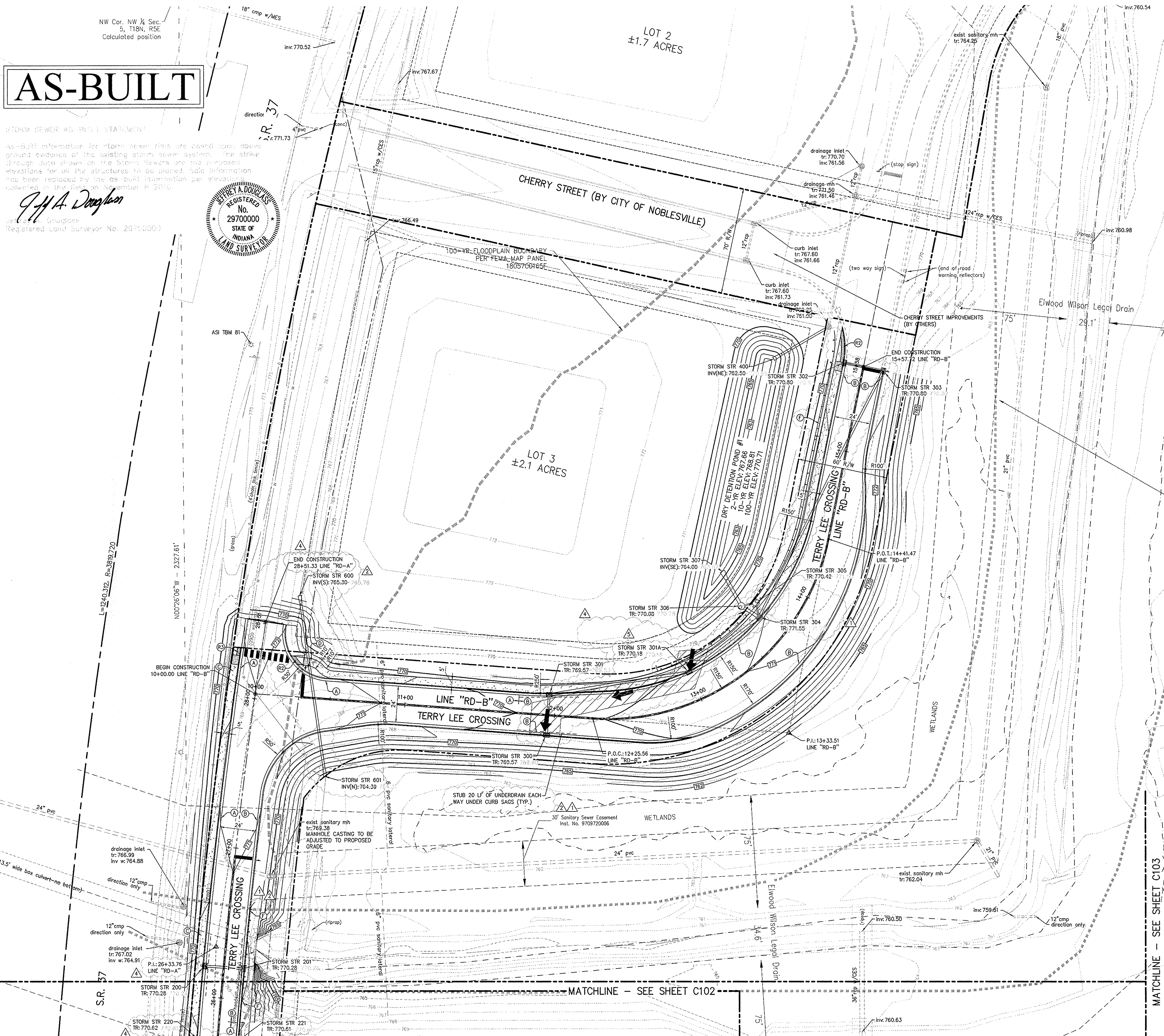
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	COMMENTS	06/25/2015
2	COMMENTS	08/12/2015
3	COMMENTS	01/11/2016
4	COMMENTS	03/10/2016
5	COMMENTS	03/25/2016
6	COMMENTS	05/09/2016
7	LEGAL DRAIN PIPING	08/05/2016

Project Number 2012.00089

SITE & UTILITY PLAN

C102

DRAWING FILE: P:\2012\00089.D; Drawings\Chp\Plan_Settl\New Drive Plans\2012.00089.CE.C102-C104.SP.WEST_DR.dwg
 EDITED BY: REBERGER
 PLOT DATE: 1/4/2016 12:33 PM
 PLOT SCALE: 1:25000
 EBDT DATE: 9/12/2016 9:27:36 AM



MATCHLINE - SEE SHEET C103

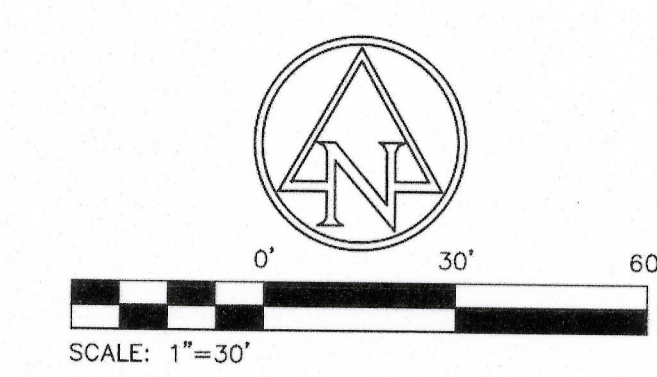
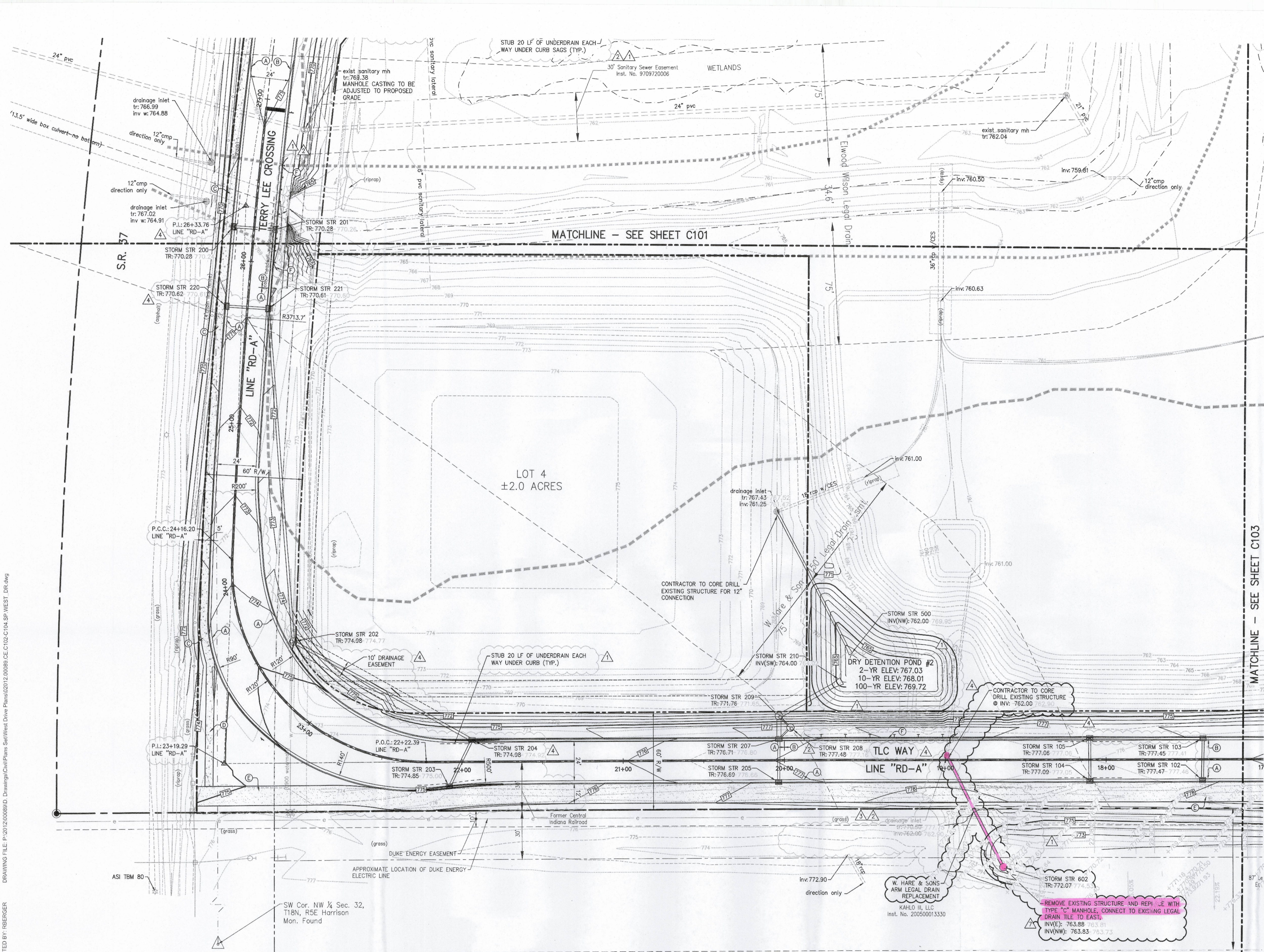
MATCHLINE - SEE SHEET C102

REFER TO SHEET C002 FOR GENERAL NOTES AND BENCHMARK INFORMATION.
 REFER TO SHEET C104 FOR STRUCTURE DATA TABLE.

NOTE:
 ALL MAINTENANCE OF TRAFFIC SIGNAGE METHODS, MATERIALS AND CONSTRUCTION DETAILS FOR WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF NOBLESVILLE REQUIREMENTS, INDOT STANDARD DETOUR SHEETS AND SPECIFICATIONS AND THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THIS INCLUDES PLACING ROAD CONSTRUCTION AHEAD SIGNS, LANE MERGING SIGNS, FLASHING ARROW SIGNS, CONSTRUCTION BARRELS, ETC.

NOTES:
 1. CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
 2. CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

CAUTION !!
 THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.
 1-800-382-5544
 CALL TOLL FREE
 - INDIANA UNDERGROUND -



- PROPOSED SITE & UTILITY LEGEND**
- (A) 2' CONCRETE CURB & GUTTER (6\"/>
 - (B) 2' CONCRETE CURB & GUTTER (8\"/>
 - (C) COMBINED WALK & CURB
 - (D) CONCRETE SIDEWALK
 - (E) MULTI-USE PATH
 - (F) GUARDRAIL WITH TERMINAL END BUFFER
 - (G) WOODEN PEDESTRIAN GUARDRAIL
 - (H) A.D.A. RAMP (TYPE \"/>
 - (I) A.D.A. RAMP (TYPE \"/>
 - (J) A.D.A. RAMP (TYPE \"/>
 - (K) CONTRACTOR TO ENSURE VERTICAL CONFLICTS DO NOT EXIST. 18\"/>
 - (L) CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES TO ENSURE CONFLICTS DO NOT EXIST WITH PROPOSED UTILITIES
 - (M) POND OVERFLOW PATH

- EXISTING LEGEND**
- (1) DRAINAGE MANHOLE
 - (2) DRAINAGE INLET
 - (3) GUY WIRE
 - (4) GUARD POST
 - (5) RIGHT-OF-WAY MARKER
 - (6) CLEAN OUT
 - (7) SANITARY MANHOLE
 - (8) SIGN
 - (9) DECIDUOUS TREE
 - (10) ELECTRIC HANDHOLE
 - (11) LIGHT POLE
 - (12) POWER POLE
 - (13) TRANSFORMER
 - (14) GAS MARKER
 - (15) BRACE POLE
 - (16) TELEPHONE MANHOLE
 - (17) TRAFFIC MANHOLE
 - (18) TRAFFIC POLE
 - (19) VENT
 - (20) TOP OF RIM ELEVATION
 - (21) INV. ELEVATION
 - (22) CORRUGATED PLASTIC PIPE
 - (23) PLASTIC PIPE
 - (24) CORRUGATED METAL PIPE
 - (25) CLAY PIPE
 - (26) REINFORCED CONCRETE PIPE
 - (27) OVERHEAD ELECTRIC LINE
 - (28) OVERHEAD TRAFFIC LINE
 - (29) METAL END SECTION
 - (30) PLASTIC END SECTION
 - (31) APPROXIMATE LOCATION OF FIELD TILE
 - (32) WETLANDS

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 Entry Date: 2/10
 Entered By: SLM

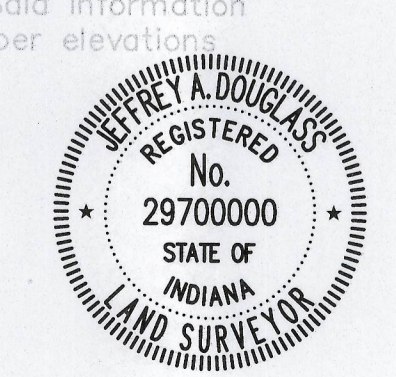
MATCHLINE - SEE SHEET C103

MATCHLINE - SEE SHEET C101

AS-BUILT

STORM SEWER AS-BUILT STATEMENT
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J.H.A. Douglas
 J.H.A. Douglas
 Registered Land Surveyor No. 29700000



REFER TO SHEET C002 FOR GENERAL NOTES AND BENCHMARK INFORMATION.
 REFER TO SHEET C104 FOR STRUCTURE DATA TABLE.

NOTES:
 ALL MAINTENANCE OF TRAFFIC SIGNAGE METHODS, MATERIALS AND CONSTRUCTION DETAILS FOR WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF NOBLESVILLE REQUIREMENTS, INDOT STANDARD DETOUR SHEETS AND SPECIFICATIONS AND THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THIS INCLUDES FLASHING ROAD CONSTRUCTION AHEAD SIGNS, LANE MERGING SIGNS, PLACING ARROW SIGNS, CONSTRUCTION BARRELS, ETC.

- NOTES:**
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 - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

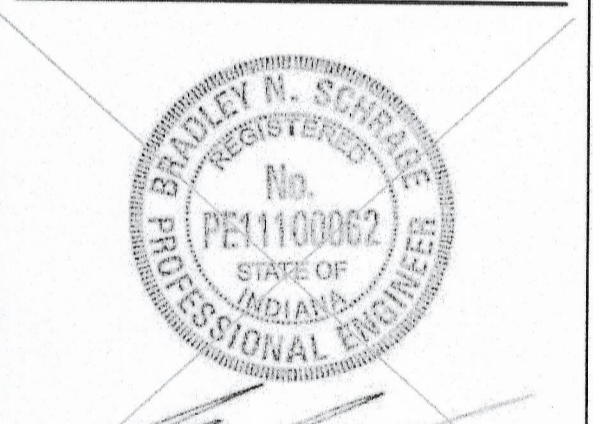
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 1-800-382-5544
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 - INDIANA UNDERGROUND -

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 AVON, INDIANA 46123

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 TEL 317.547.5580 | FAX 317.543.0270
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TERRY LEE CROSSING @ TERRY LEE CROSSING

NOBLESVILLE, IN



CERTIFIED BY: BRADLEY N. SCHRAGE

ISSUANCE INDEX

DATE:	10/27/2014
PROJECT PHASE:	DESIGN

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	COMMENTS	06/25/2015
2	COMMENTS	06/12/2015
3	COMMENTS	01/11/2016
4	COMMENTS	03/10/2016
5	COMMENTS	03/25/2016
6	COMMENTS	05/09/2016
7	LEGAL DRAIN PIPING	08/05/2016

Project Number 2012.00089

SITE & UTILITY PLAN

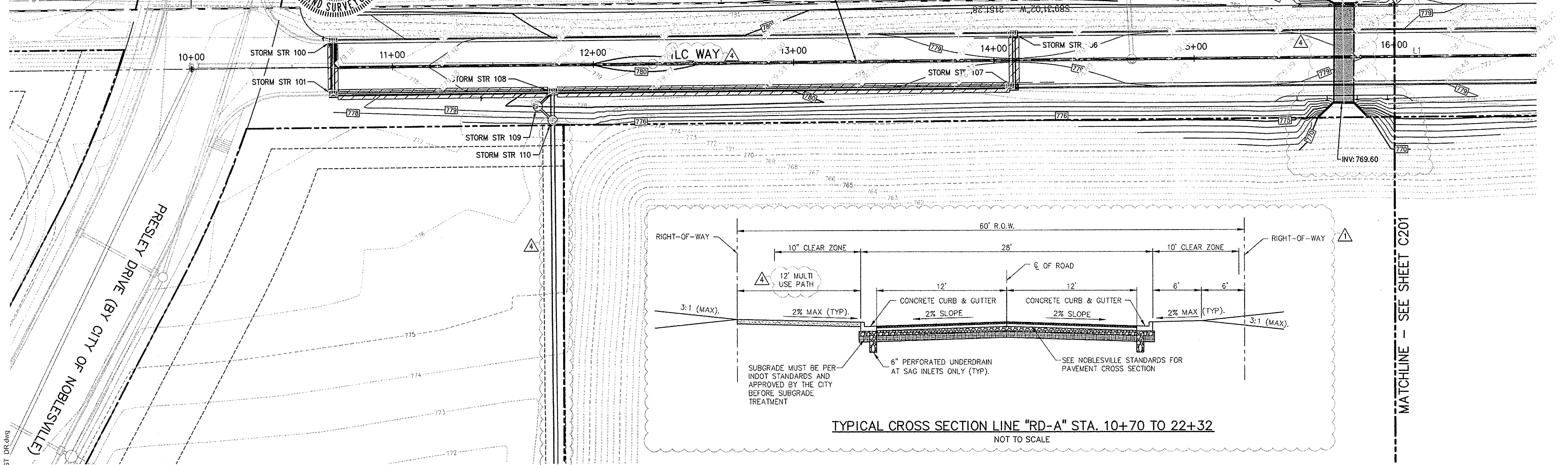
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 EDITED BY: RBARGER

AS-BUILT

AS-BUILT information for storm sewers is based upon above ground evidence of the existing storm sewer system. The strike through data shown on the Storm Sewers are the proposed elevations for all the structures to be placed. Said information has been prepared by the as-built information per elevations collected in the field on September 8, 2016.

J.H.A. Douglas
 James A. Douglas
 Registered Land Surveyor No. 29700000



0' 30' 60'

SCALE: 1"=30'

PROPOSED GRADING LEGEND

- M.E. MATCH EXISTING
- EP EDGE OF PAVEMENT
- BC BOTTOM OF CURB
- TC TOP OF CURB
- 000 CONTOURS
- FLOW LINE
- TC 000.50 BC 000.00 CURB ELEVATIONS
- 000.00 SPOT ELEVATIONS
- LIMITS OF GRANULAR BACKFILL

EXISTING LEGEND

- ⊕ DRAINAGE MANHOLE
- ⊗ DRAINAGE INLET
- GUY WIRE
- GUARD POST
- ⊘ RIGHT-OF-WAY MARKER
- ⊙ CLEAN OUT
- ⊕ SANITARY MANHOLE SIGN
- ⊕ DECIDUOUS TREE
- ⊕ ELECTRIC HANDHOLE
- ⊕ LIGHT POLE
- ⊕ POWER POLE
- ⊕ TRANSFORMER
- ⊕ GAS MARKER
- ⊕ BRACE POLE
- ⊕ TELEPHONE MANHOLE
- ⊕ TRAFFIC MANHOLE
- ⊕ TRAFFIC POLE
- ⊕ VENT
- tr TOP OF RIM ELEVATION
- inv INVERT ELEVATION
- opp CORRUGATED PLASTIC PIPE
- pvc PLASTIC PIPE
- cmp CORRUGATED METAL PIPE
- vcp CLAY PIPE
- rcp REINFORCED CONCRETE PIPE
- ohe OVERHEAD ELECTRIC LINE
- otr OVERHEAD TRAFFIC LINE
- MES METAL END SECTION
- PES PLASTIC END SECTION
- sd- APPROXIMATE LOCATION OF FIELD TILE
- - - WETLANDS

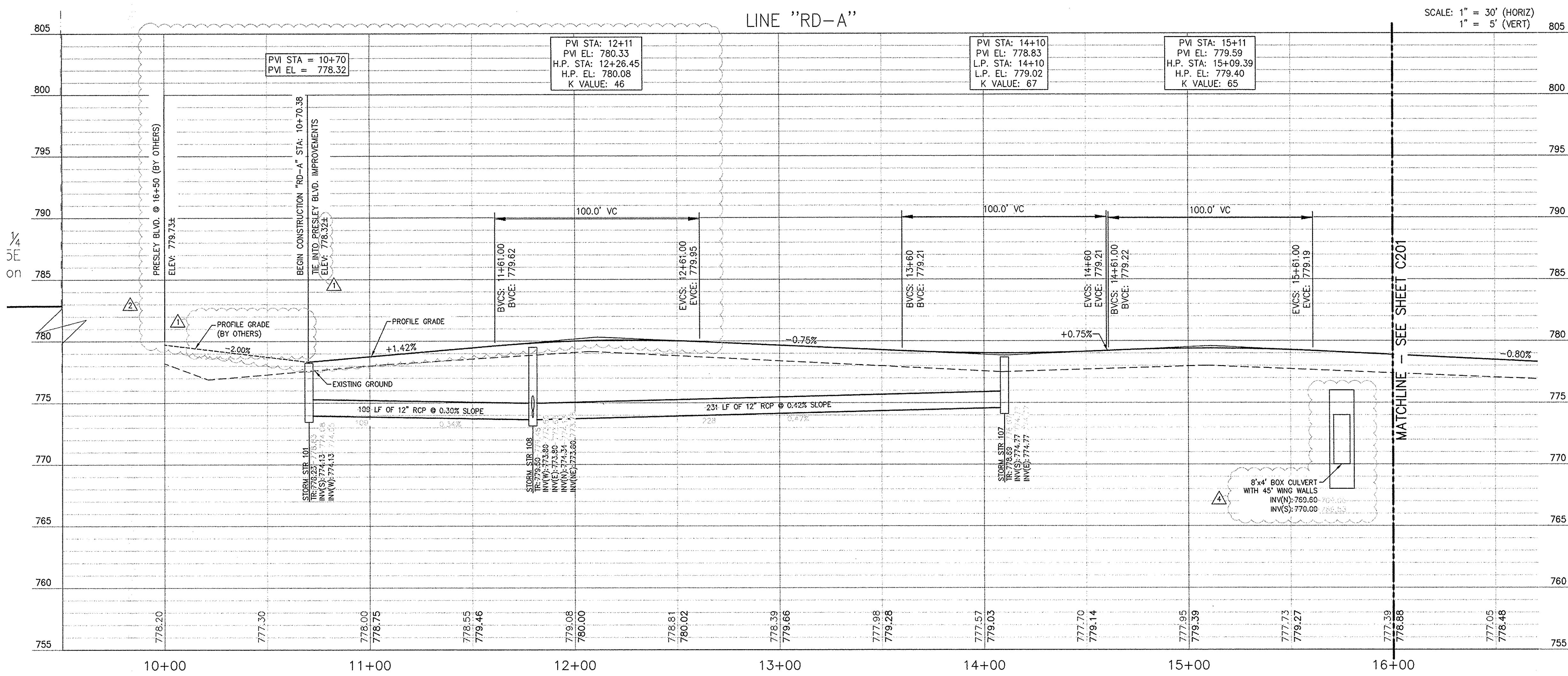
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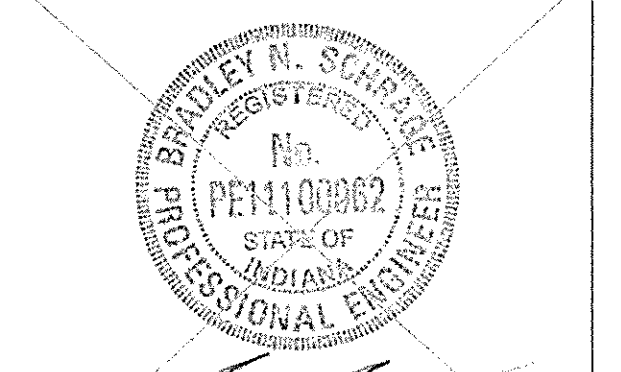
TERRY LEE CROSSING @ TERRY LEE CROSSING

NOBLESVILLE, IN

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 Entered By: GJM



CERTIFIED BY: BRADLEY N. SCHRAGE

REFER TO SHEETS C200, C201 AND C203 FOR LINE "RD-A" AND LINE "RD-B" TYPICAL CROSS SECTIONS

REFER TO SHEET C002 FOR GENERAL NOTES AND BENCHMARK INFORMATION

NOTES:

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- FLOODPLAIN STATEMENT: THE SITE IS LOCATED WITHIN A FLOOD HAZARD ZONE AS INDICATED ON THE FLOOD INSURANCE RATE MAP (FIRM) FOR HAMILTON COUNTY, IN CITY OF NOBLESVILLE, PANEL NUMBER 18057C0160G, DATED (PRELIMINARY).
- NO EARTH DISTURBING ACTIVITIES MAY COMMENCE WITHOUT APPROVED STORMWATER MANAGEMENT PERMIT.
- REMOVE CURB TO THE NEAREST JOINT PAST THE REMOVAL LIMITS. CURB SHALL BE SAWCUT FULL DEPTH AT THIS JOINT.

ISSUANCE INDEX

DATE: 10/27/2014
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 - INDIANA UNDERGROUND -

Project Number 2012.00089

ROAD PLAN AND PROFILE

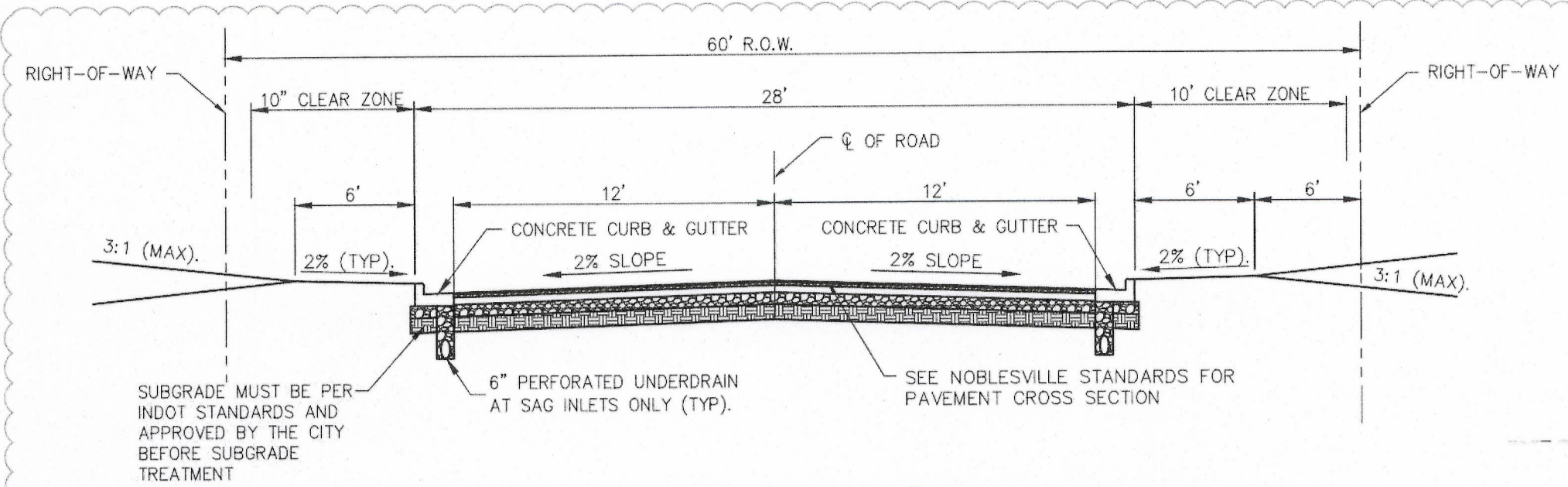
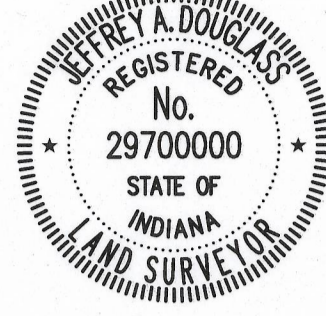
C200

AS-BUILT

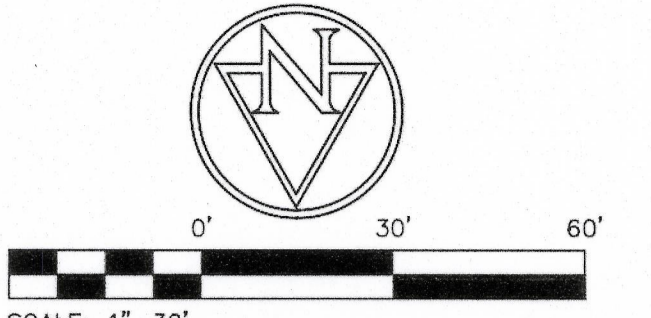
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J. A. Douglas
 Jeffrey A. Douglas
 Registered Land Surveyor No. 29700000

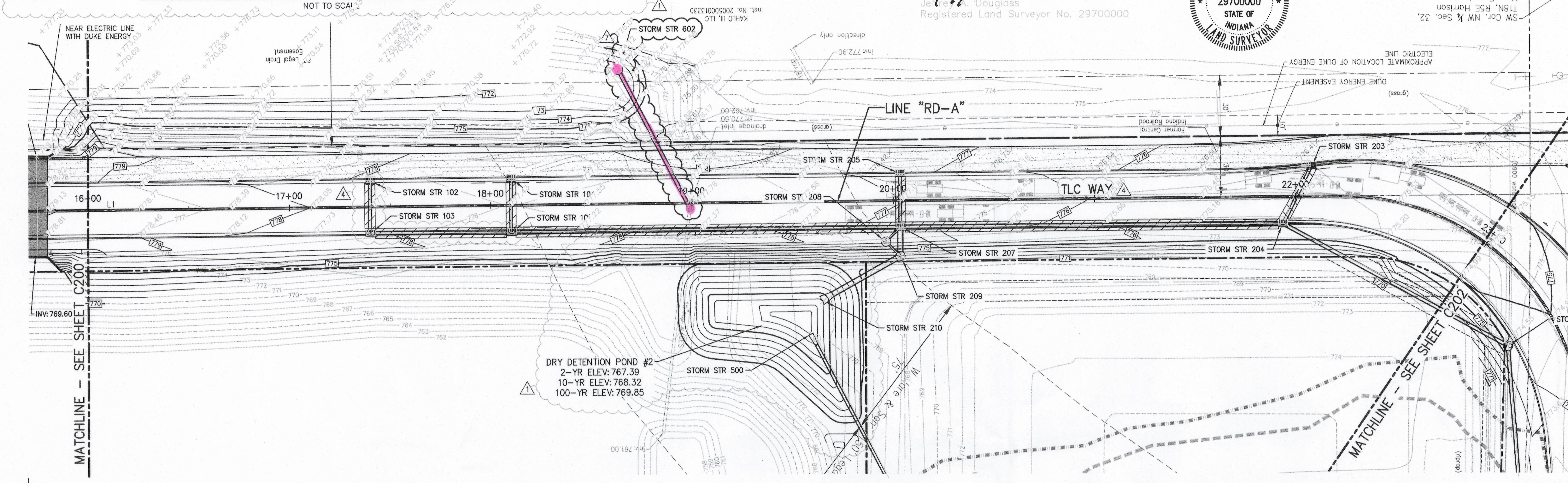


TYPICAL CROSS SECTION LINE "RD-A" STA. 22+32 TO 28+32
 NOT TO SCALE



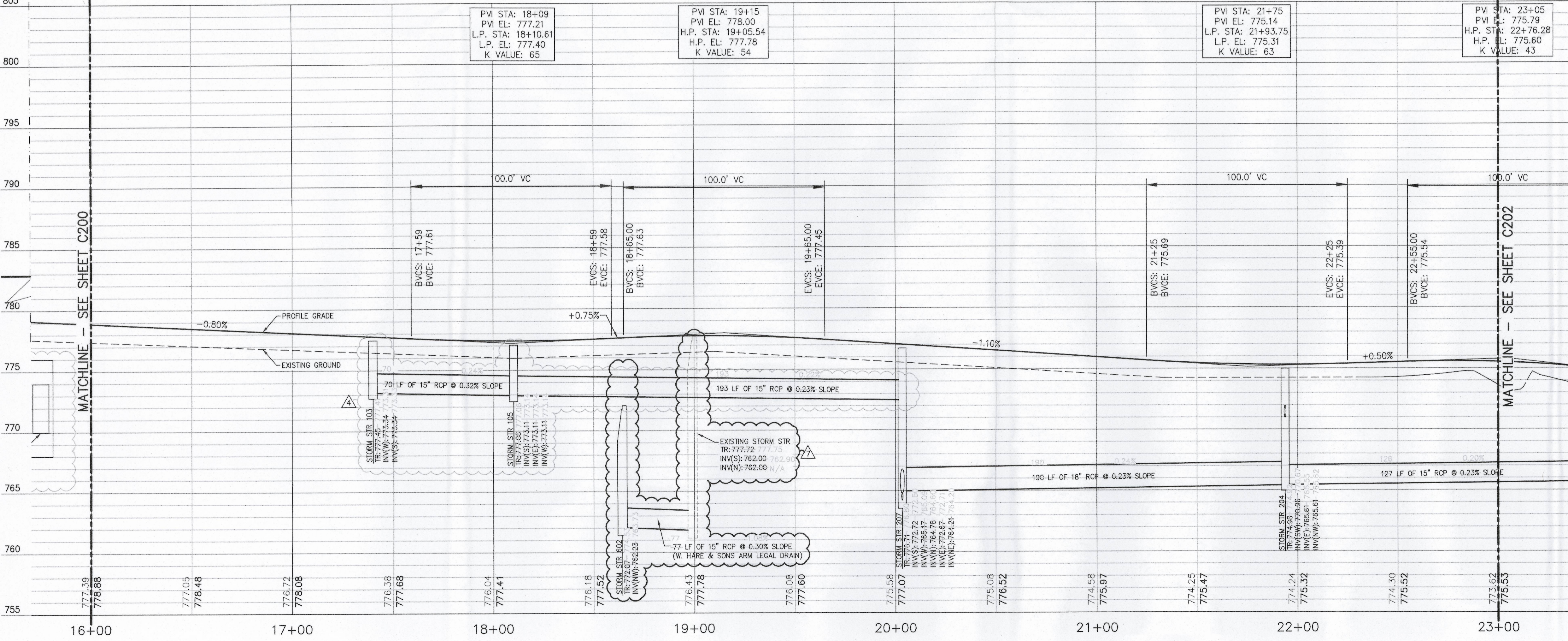
- PROPOSED GRADING LEGEND**
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 - TC TOP OF CURB
 - CONTOURS
 - FLOW LINE
 - TC 000.50
BC 000.00
 - 000.00
 - SPOT ELEVATIONS
 - LIMITS OF GRANULAR BACKFILL

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 - GUARD POST
 - RIGHT-OF-WAY MARKER
 - CLEAN OUT
 - SANITARY MANHOLE
 - SIGN
 - DECIDUOUS TREE
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 - LIGHT POLE
 - POWER POLE
 - TRANSFORMER
 - GAS MARKER
 - BRACE POLE
 - TELEPHONE MANHOLE
 - TRAFFIC MANHOLE
 - TRAFFIC POLE
 - VENT
 - TOP OF RIM ELEVATION
 - INVERT ELEVATION
 - corrugated PLASTIC PIPE
 - plastic PIPE
 - corrugated METAL PIPE
 - CLAY PIPE
 - reinforced CONCRETE PIPE
 - OVERHEAD ELECTRIC LINE
 - OVERHEAD TRAFFIC LINE
 - METAL END SECTION
 - PLASTIC END SECTION
 - sd - APPROXIMATE LOCATION OF FIELD TILE
 - WETLANDS

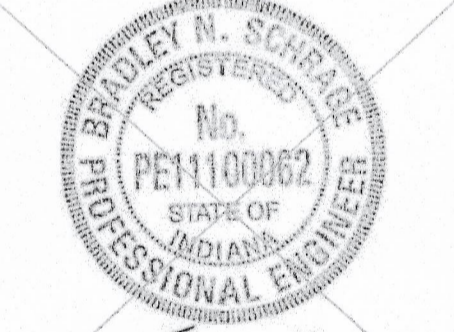


LINE "RD-A"

SCALE: 1" = 30' (HORIZ)
 1" = 5' (VERT)



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REFER TO SHEETS C200, C201 AND C203 FOR LINE "RD-A" AND LINE "RD-B" TYPICAL CROSS SECTIONS

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NOBLESVILLE, IN

CERTIFIED BY: BRADLEY N. SCHRAGE

ISSUANCE INDEX

DATE:	10/27/2014
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Project Number 2012.00089

ROAD PLAN AND PROFILE

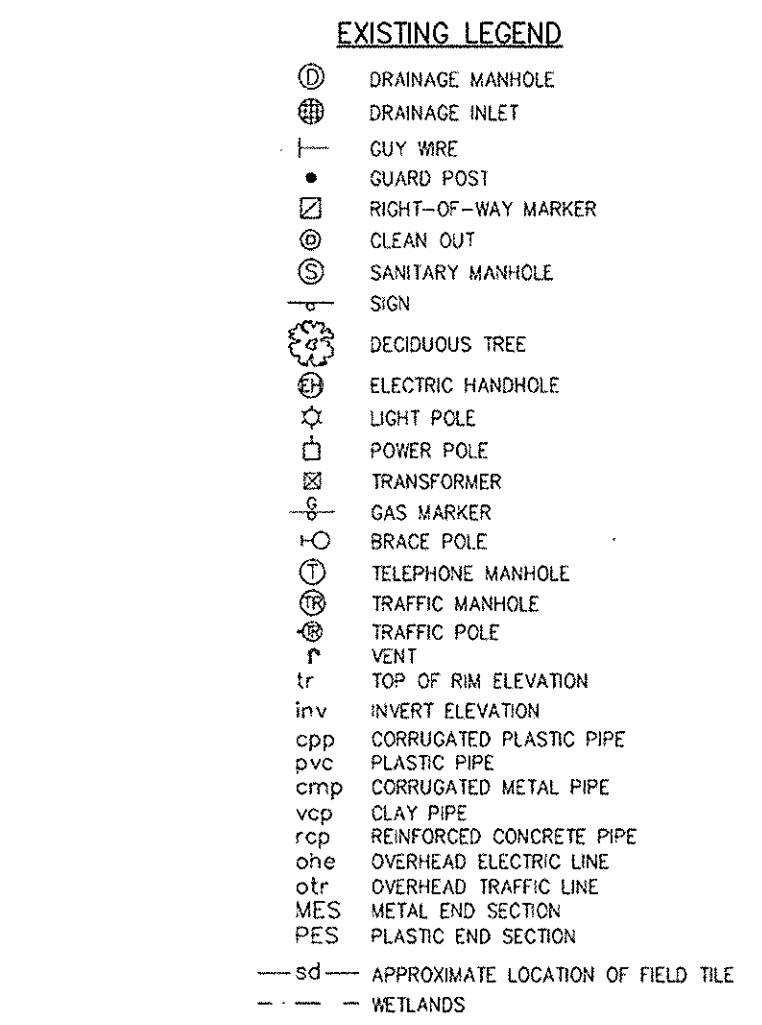
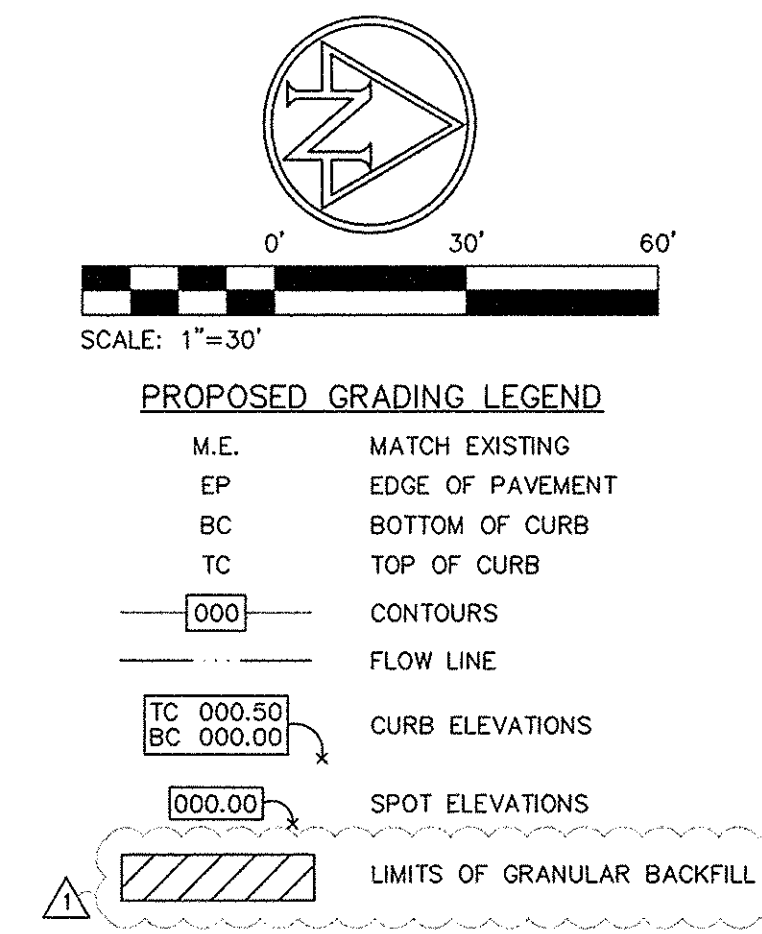
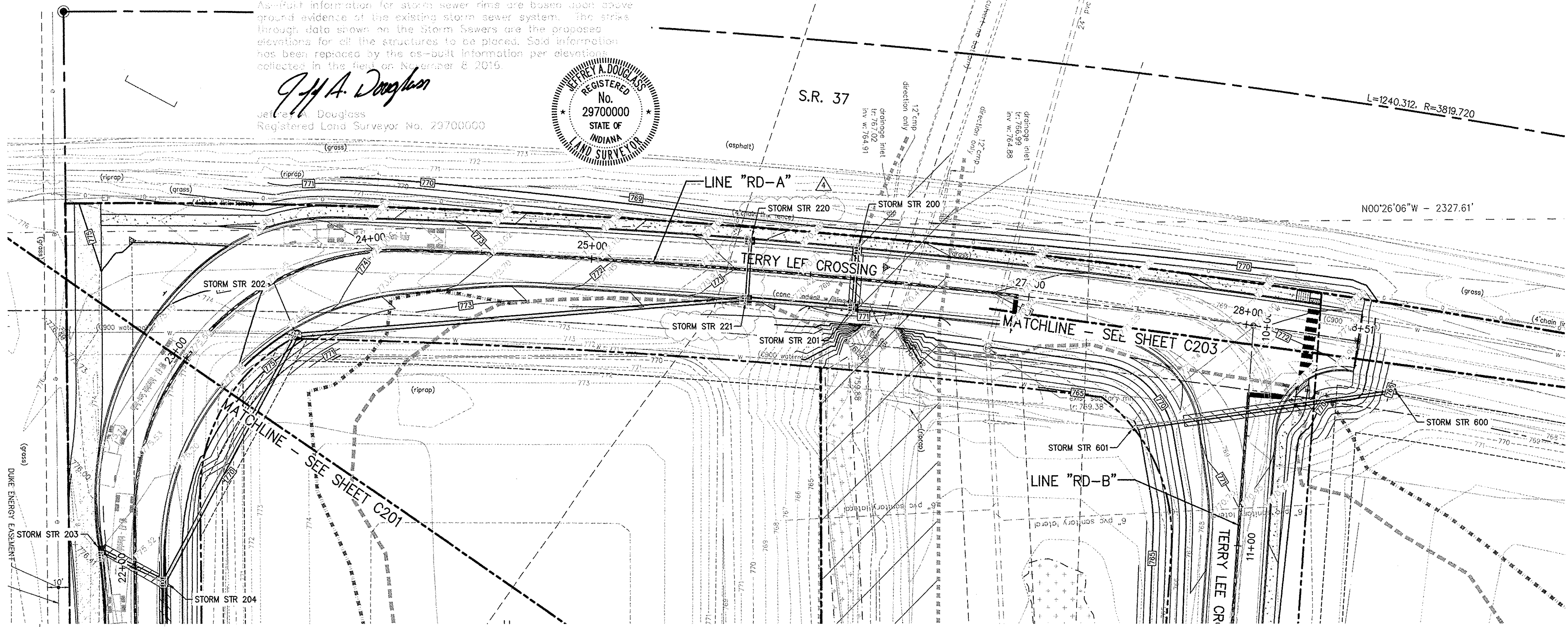
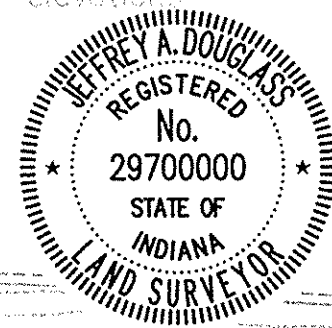
C201

AS-BUILT

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 Jeffrey A. Douglas
 Registered Land Surveyor No. 29700000

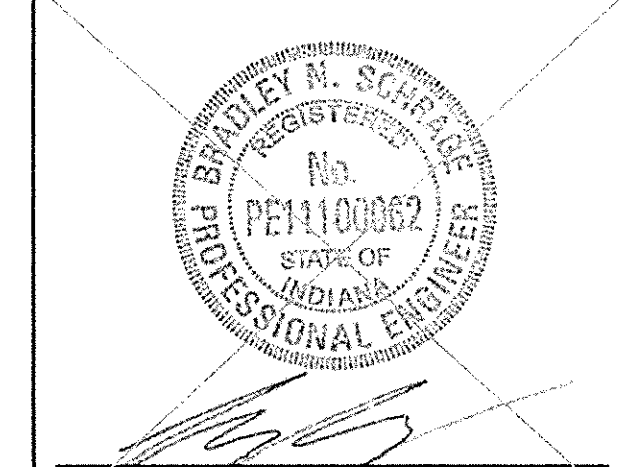
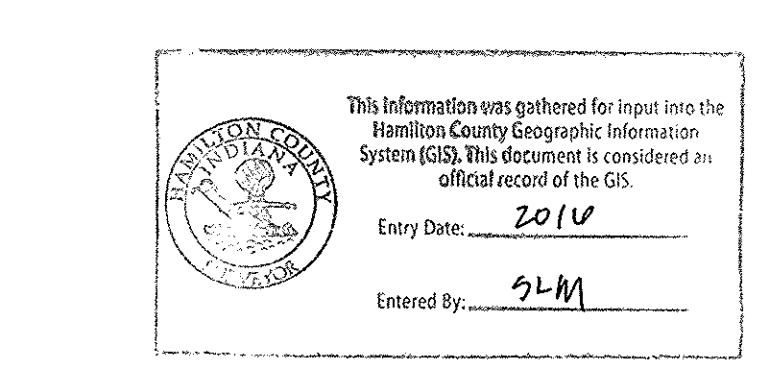
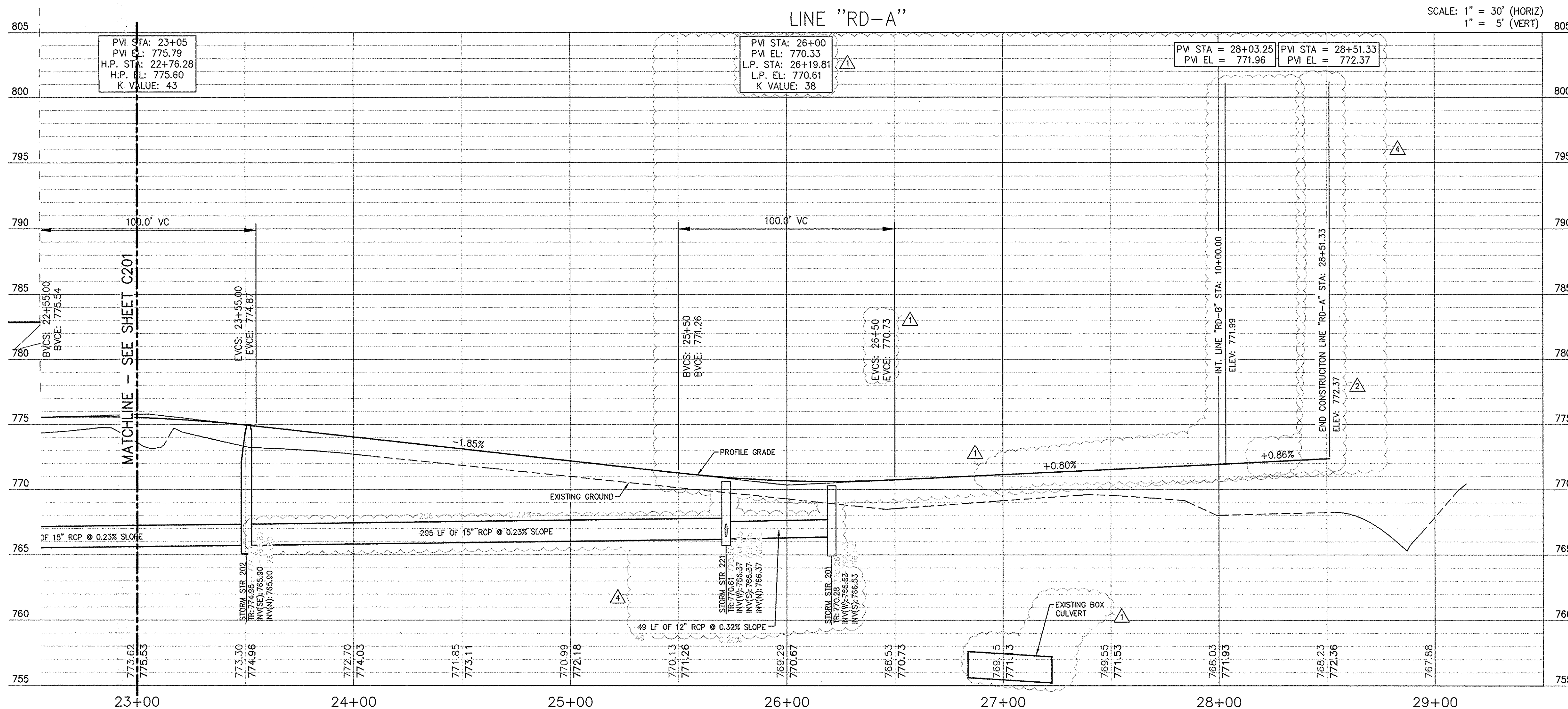


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NOBLESVILLE, IN



CERTIFIED BY: BRADLEY N. SCHRAGE

REFER TO SHEETS C200, C201 AND C203 FOR LINE "RD-A" AND LINE "RD-B" TYPICAL CROSS SECTIONS

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DATE:	10/27/2014
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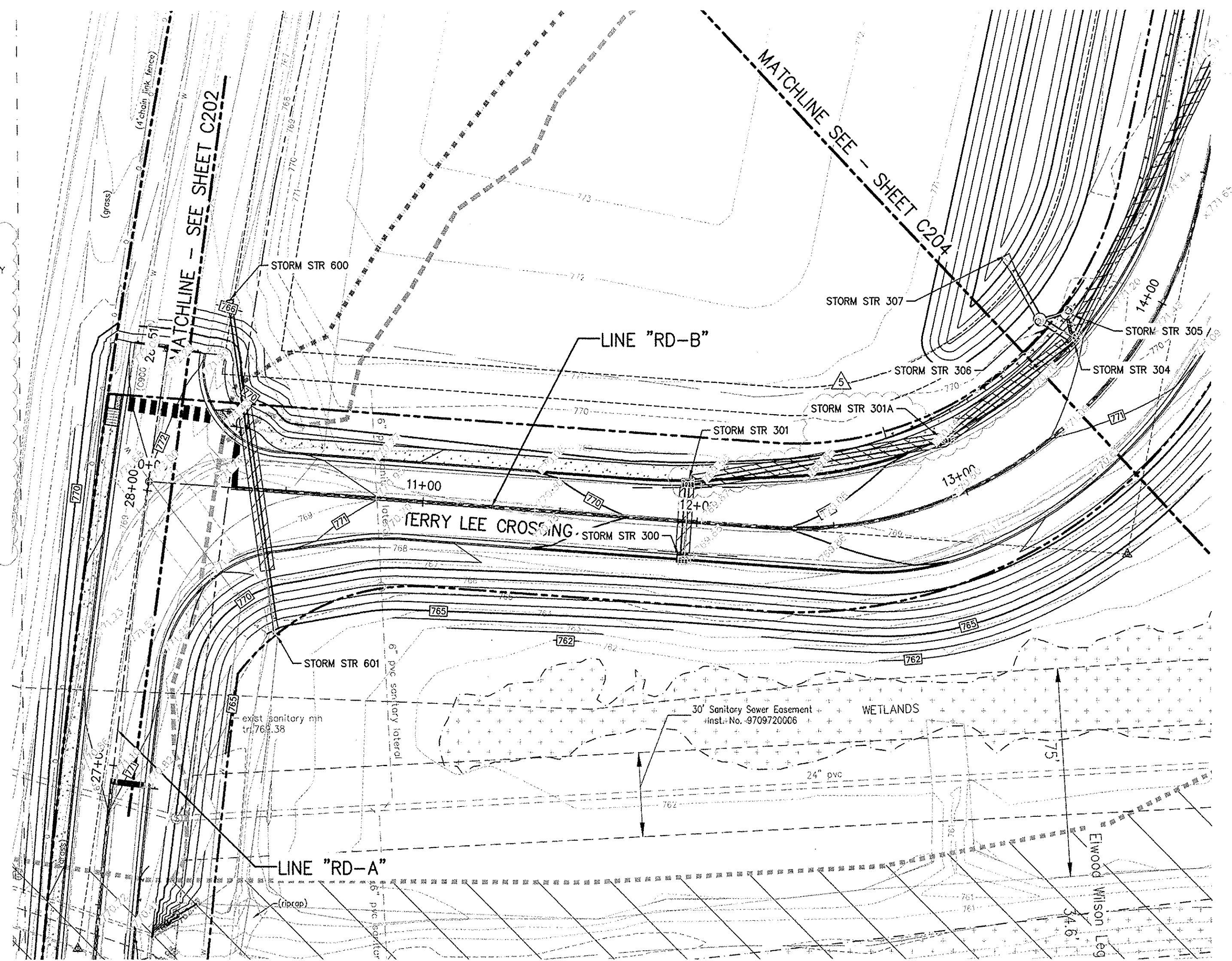
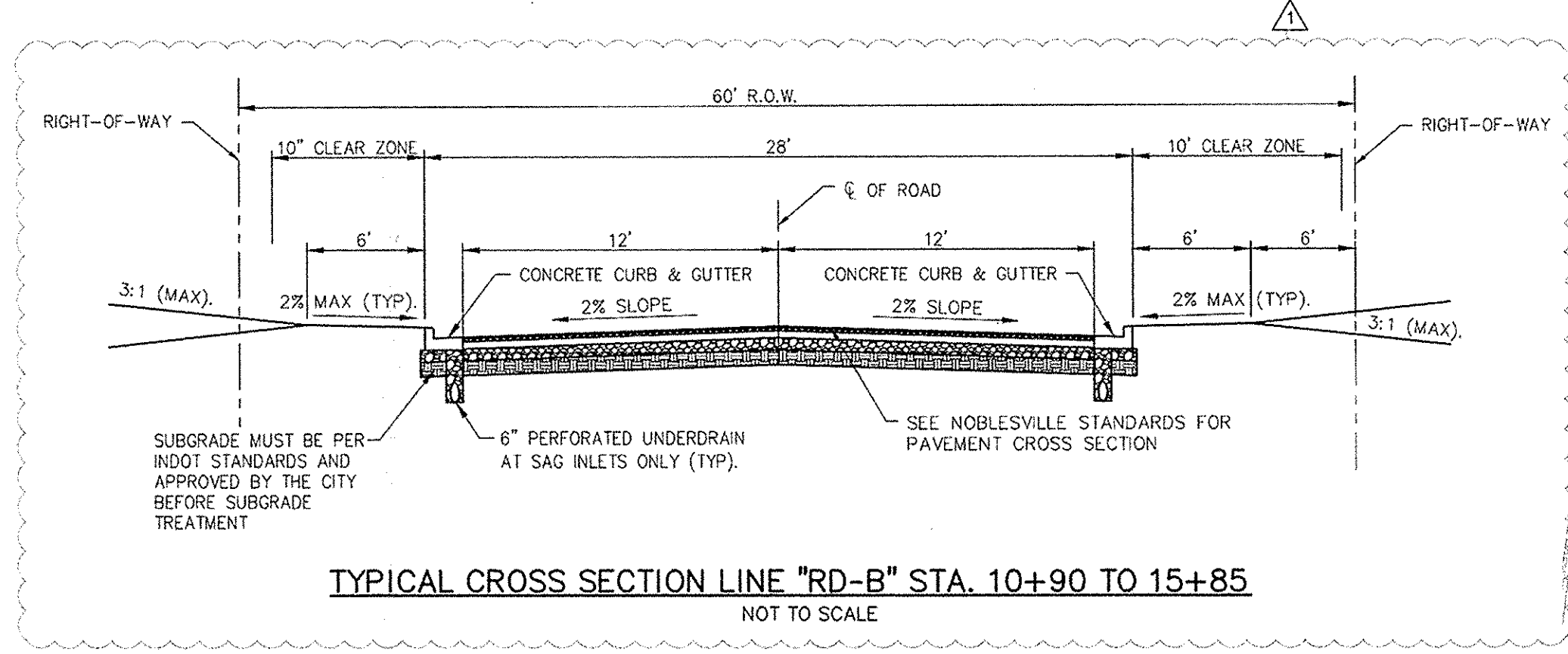
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Project Number 2012.00089

ROAD PLAN AND PROFILE

C202

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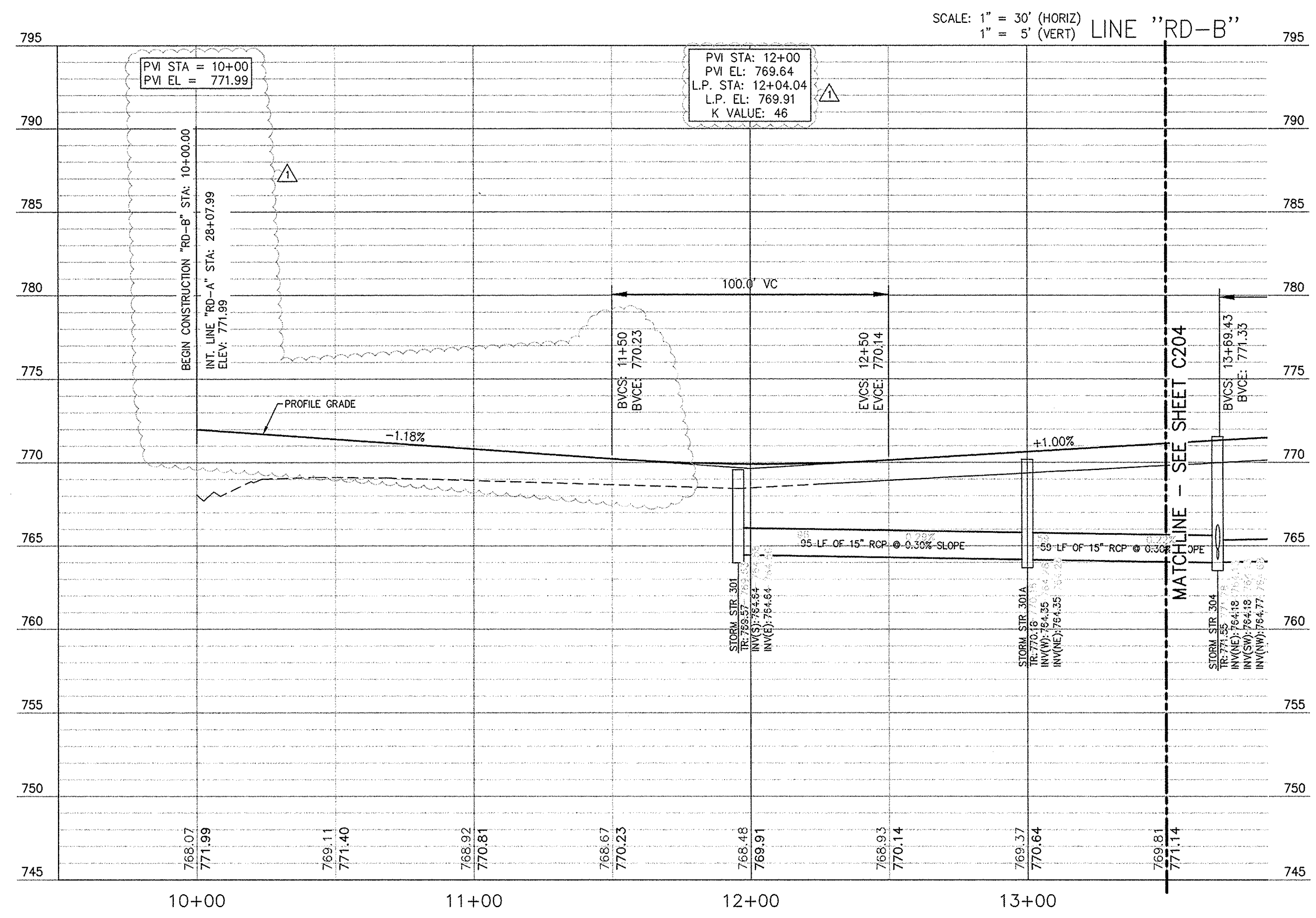
- 0' 30' 60'
SCALE: 1"=30'
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 - FLOW LINE
 - CURB ELEVATIONS
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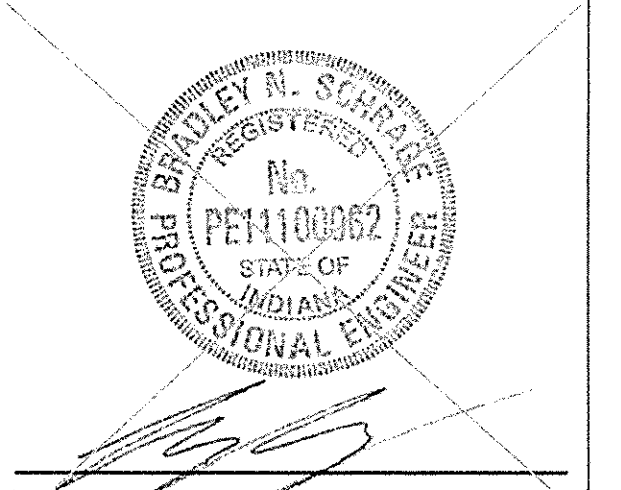
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NOTES:

- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.
- IF IT WILL BE NECESSARY TO RELOCATE EXISTING UTILITIES, THE EXPENSE OF SUCH RELOCATION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. ALL UTILITY POLES SHALL BE LOCATED WITHIN ONE FOOT OF THE PROPOSED RIGHT-OF-WAY.
- FLOODPLAIN STATEMENT: THE SITE IS LOCATED WITHIN A FLOOD HAZARD ZONE AS INDICATED ON THE FLOOD INSURANCE RATE MAP (FIRM) FOR HAMILTON COUNTY, IN CITY OF NOBLESVILLE, PANEL NUMBER 18057C0160G, DATED (PRELIMINARY).
- NO EARTH DISTURBING ACTIVITIES MAY COMMENCE WITHOUT APPROVED STORMWATER MANAGEMENT PERMIT.
- REMOVE CURB TO THE NEAREST JOINT PAST THE REMOVAL LIMITS. CURB SHALL BE SAWCUT FULL DEPTH AT THIS JOINT.

CAUTION !!
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.
1-800-382-5544
CALL TOLL FREE
- INDIANA UNDERGROUND -



CERTIFIED BY: BRADLEY N. SCHRAGE

ISSUANCE INDEX

DATE:	10/27/2014
PROJECT PHASE:	DESIGN

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	COMMENTS	06/25/2015
2	COMMENTS	08/12/2015
3	COMMENTS	01/11/2016
4	COMMENTS	03/10/2016
5	COMMENTS	03/25/2016
6	COMMENTS	05/09/2016
7	LEGAL DRAIN PIPING	08/05/2016

Project Number 2012.00089

ROAD PLAN AND PROFILE
C203

AS-BUILT

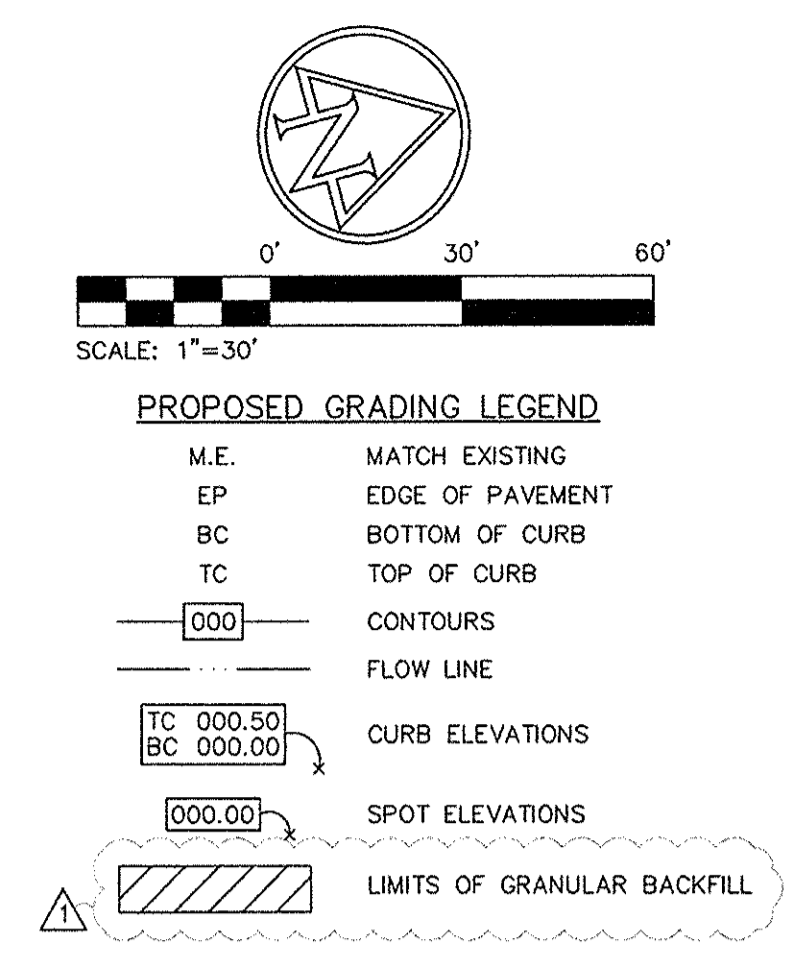
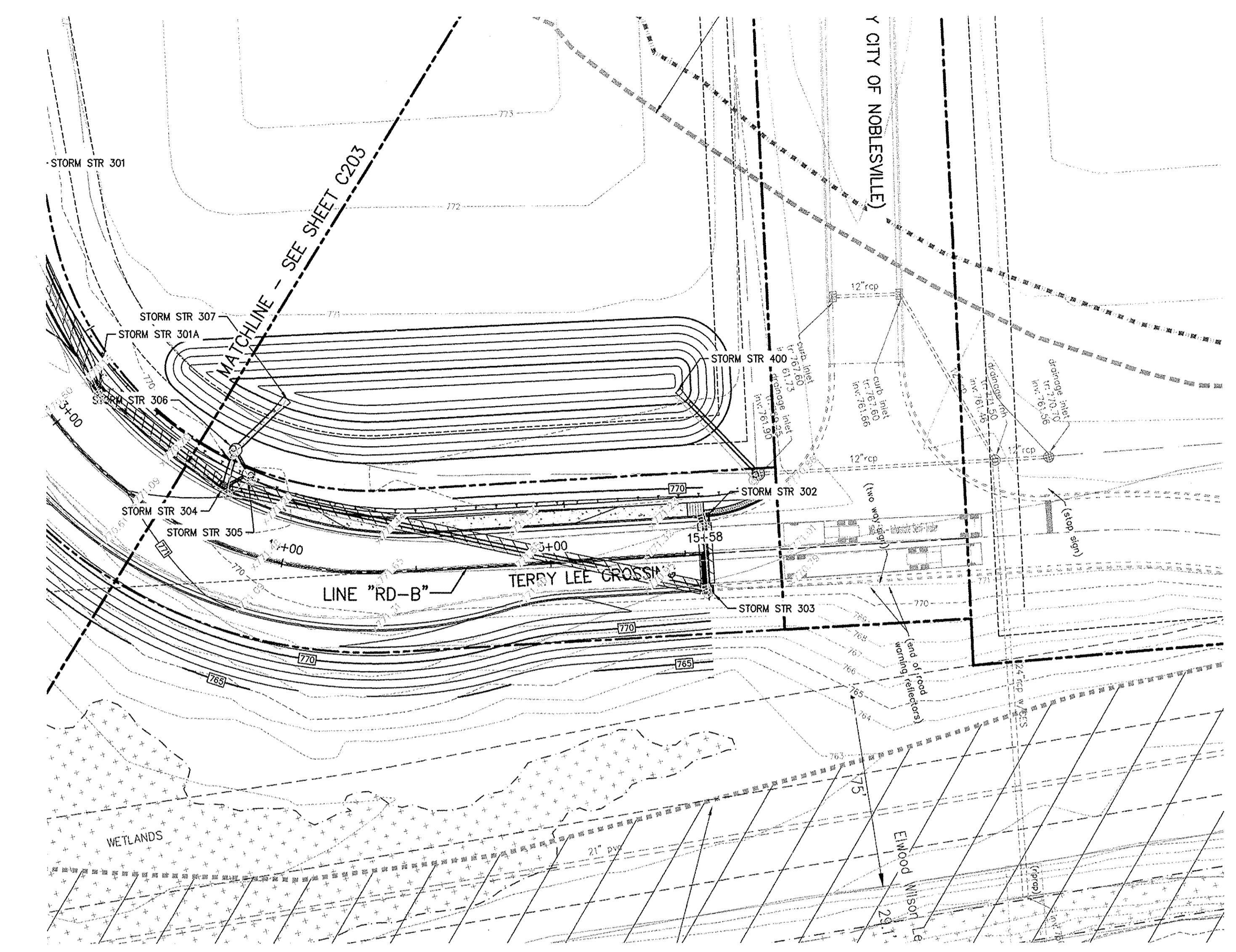
STORM SEWER AS-BUILT STATEMENT
As-built information for storm sewer lines are based upon above ground evidence of the existing storm sewer system. The strike through data shown on the storm sewers are the proposed elevations for all the structures to be placed. Said information has been reviewed by the as-built information per elevations collected in the field on November 8 2010.

J. A. Douglas
Jeffrey A. Douglas
Registered Land Surveyor No. 29700000



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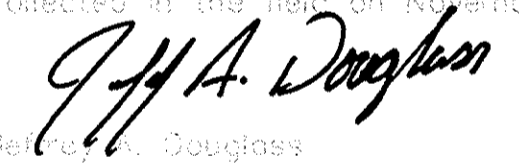
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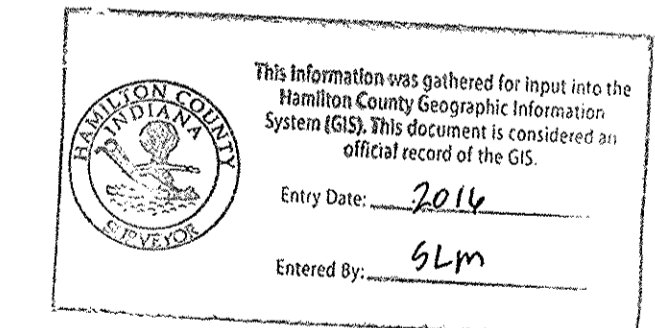
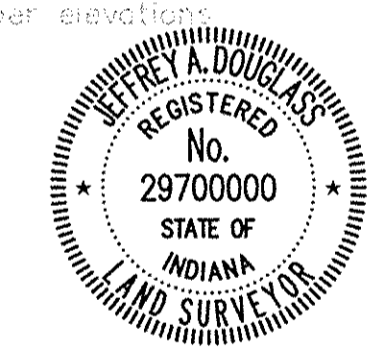


AS-BUILT

STORM SEWER AS-BUILT STATEMENT

As-Built information for storm sewer rims are based upon above ground evidence of the existing storm sewer system. The structure through data shown on the Storm Sewers are the proposed elevations for all the structures to be placed. Said information has been replaced by the as-built information per elevations collected in the field on November 9, 2016.


 Jeffrey A. Douglas
 Registered Land Surveyor No. 29700000

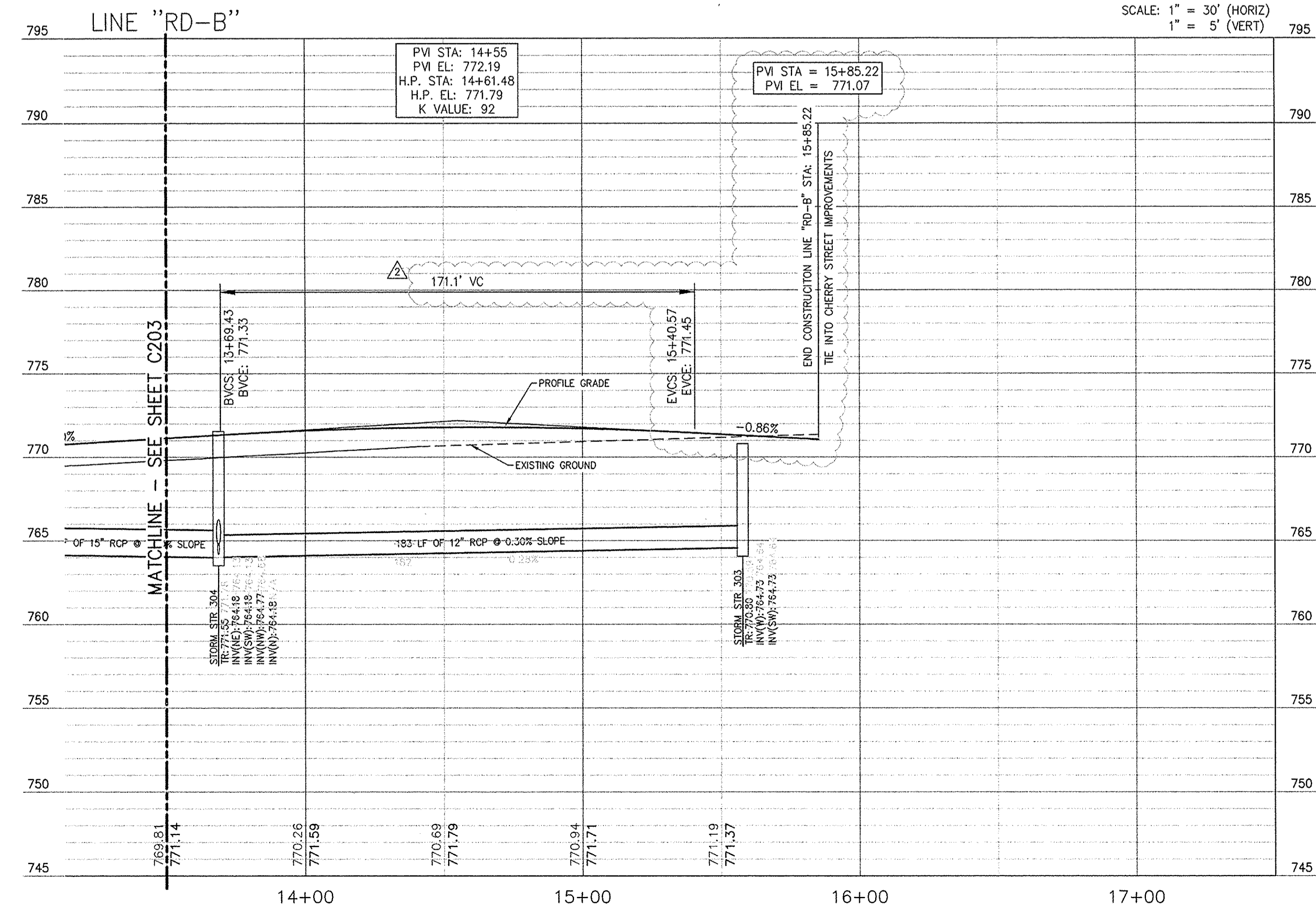


REFER TO SHEETS C200, C201 AND C203 FOR LINE "RD-A" AND LINE "RD-B" TYPICAL CROSS SECTIONS

REFER TO SHEET C002 FOR GENERAL NOTES AND BENCHMARK INFORMATION

- NOTES:**
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
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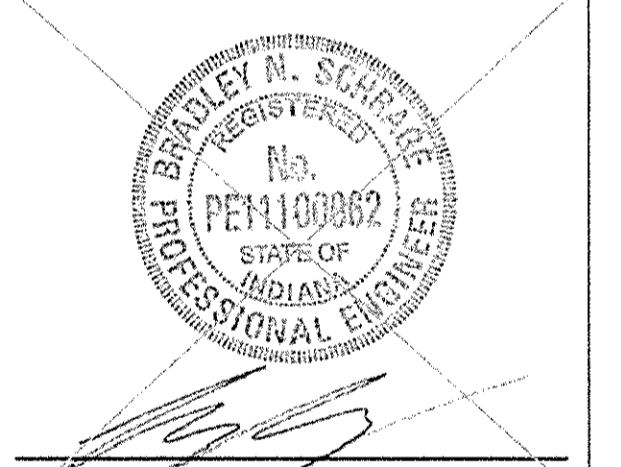


TERRY LEE CROSSING
 8693 E. U.S. HIGHWAY 36
 AVON, INDIANA 46123

AMERICAN STRUCTUREPOINT INC.
 7260 Shadeland Station | Indianapolis, Indiana 46256
 TEL 317.547.5580 | FAX 317.543.0270
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TERRY LEE CROSSING @ TERRY LEE CROSSING

NOBLESVILLE, IN



CERTIFIED BY: BRADLEY N. SCHRAGE

ISSUANCE INDEX	
DATE:	10/27/2014
PROJECT PHASE:	DESIGN

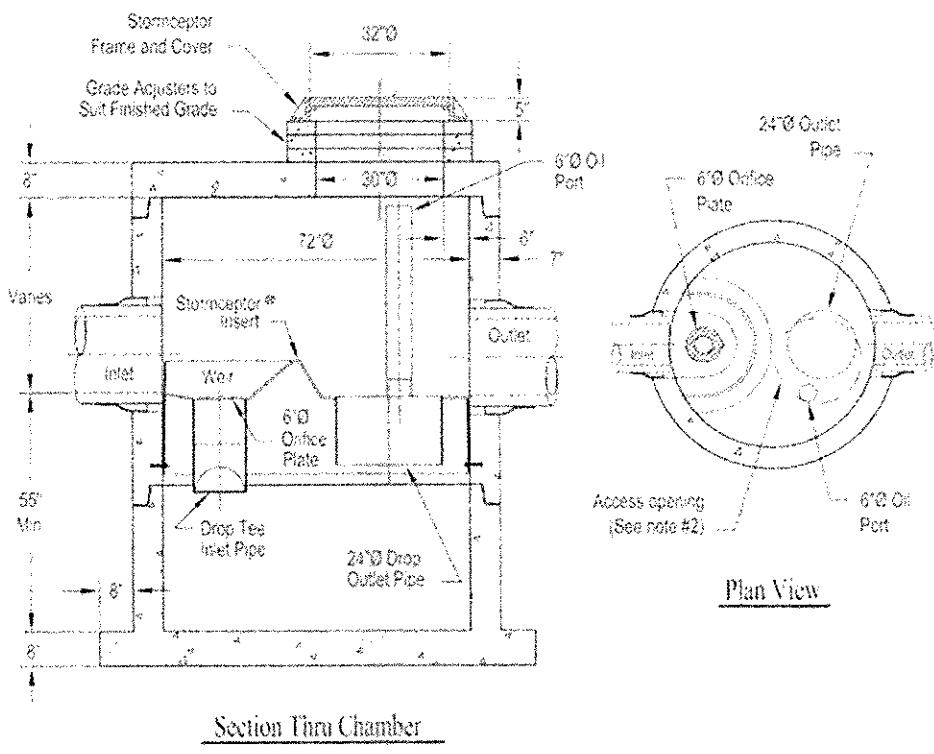
REVISION SCHEDULE		
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7	LEGAL DRAIN PIPING	08/05/2016

Project Number 2012.00089

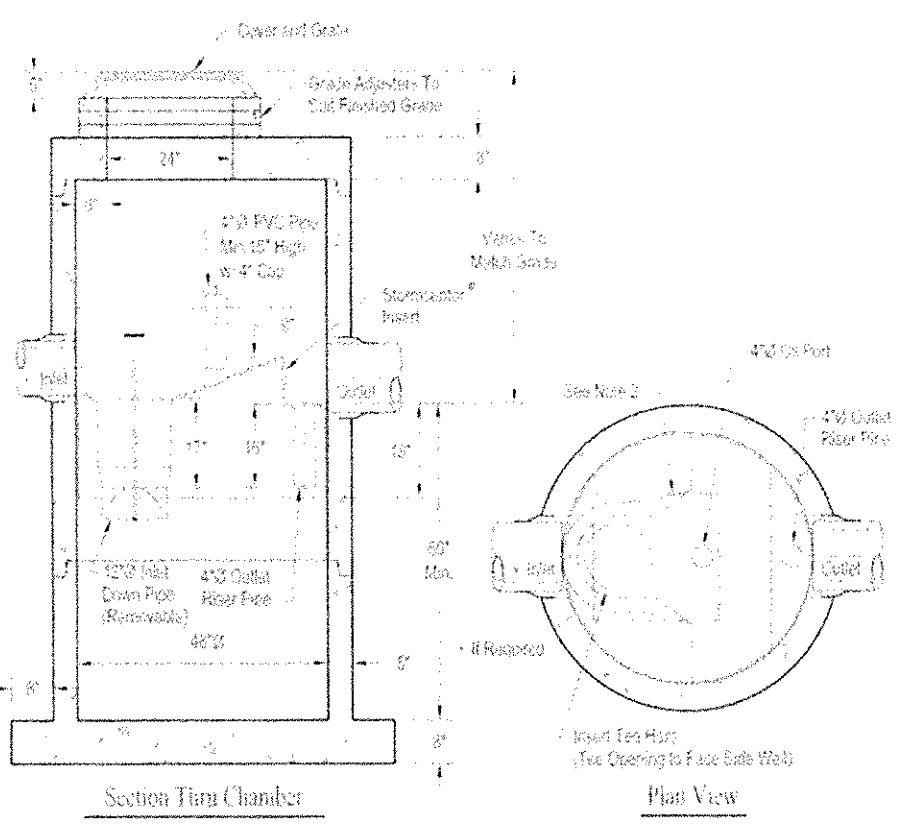
ROAD PLAN AND PROFILE

C204

STC 900 Precast Concrete Stormceptor[®]
(900 U.S. Gallon Capacity)

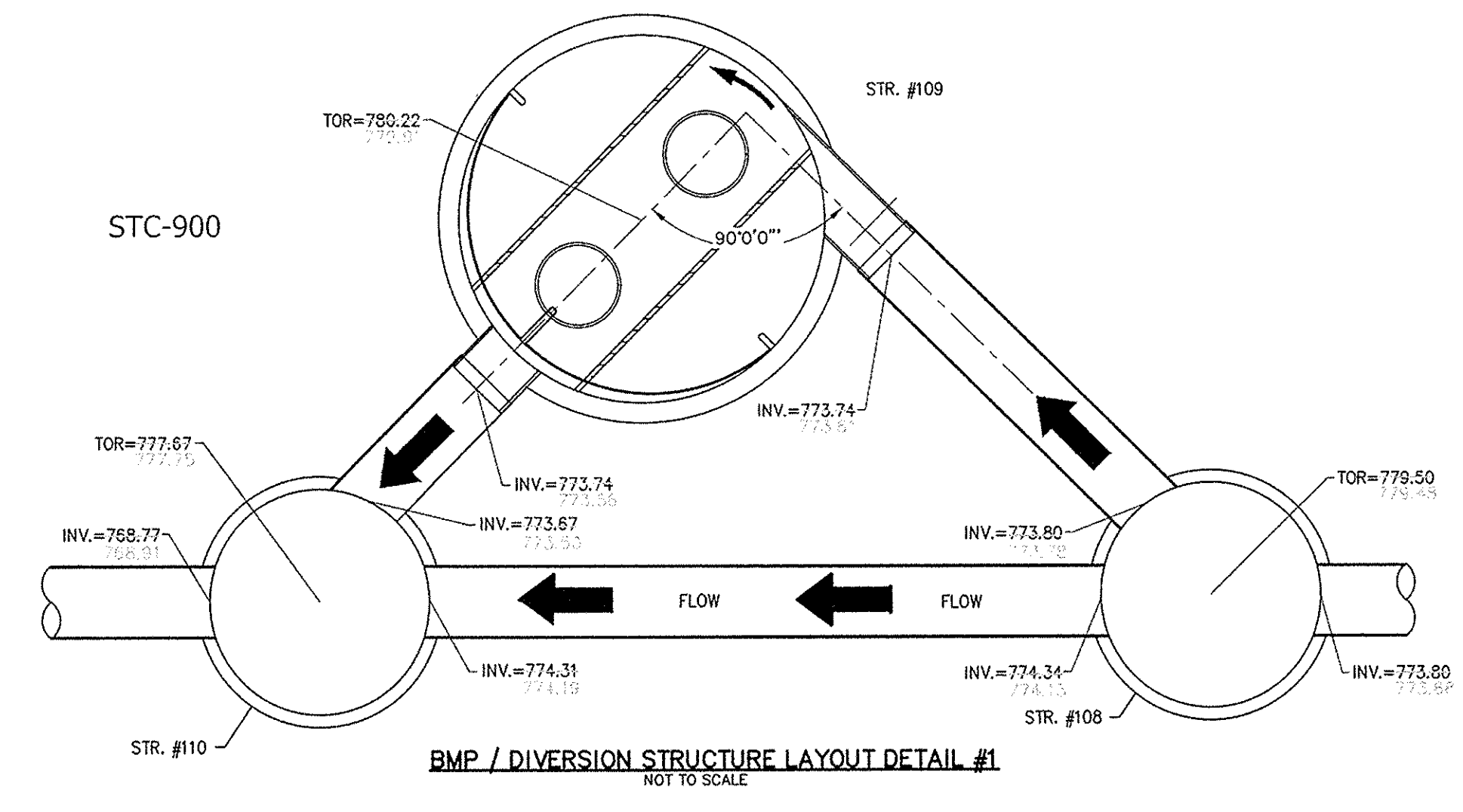


STC 450i Precast Concrete Stormceptor[®]
(450 U.S. Gallon Capacity)

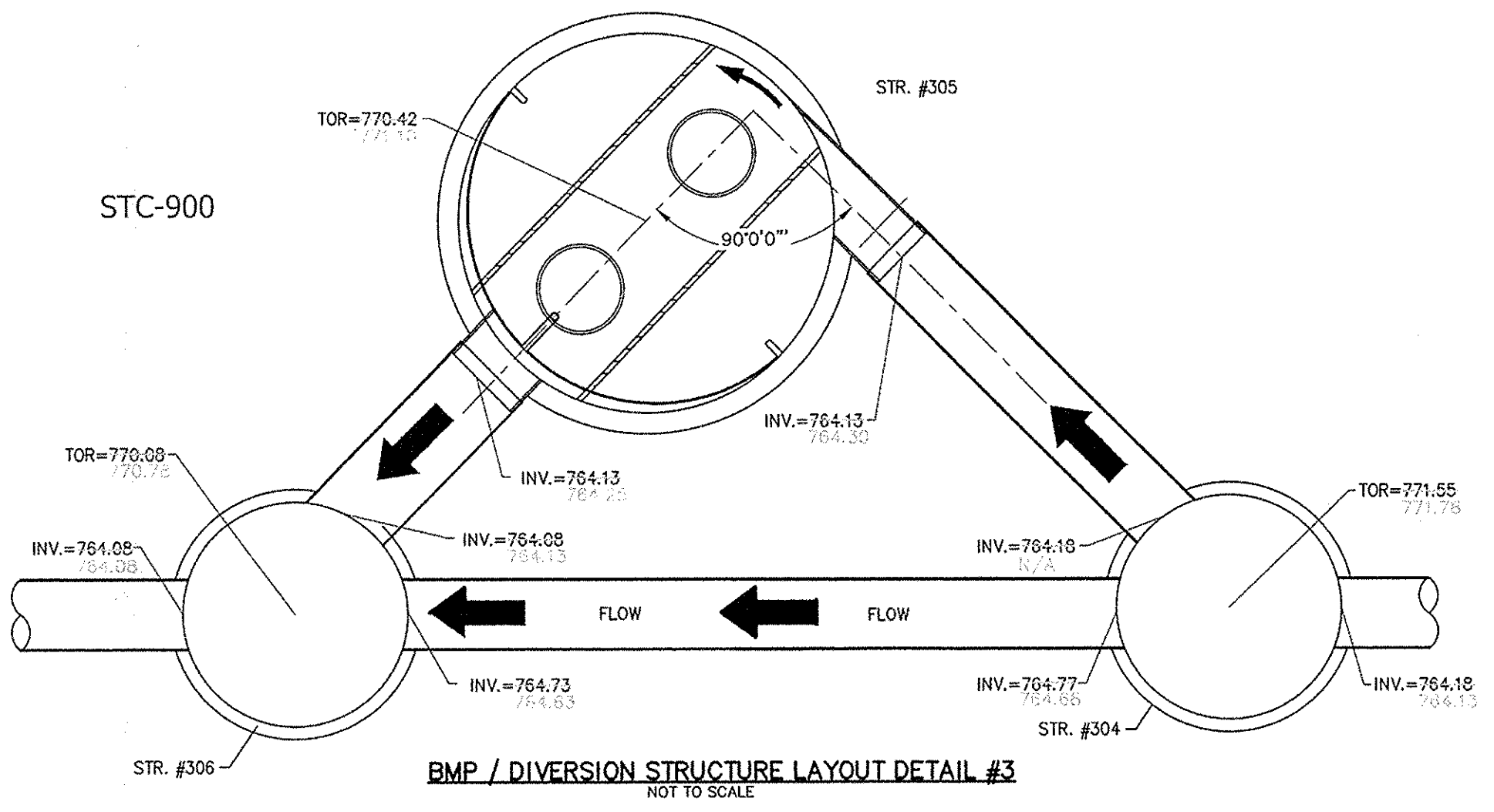


Notes:
1. The Use Of Flexible Connection Is Recommended At The Inlet and Outlet Where Applicable.
2. The Cover Should Be Positioned Over The Outlet Drop Pipe and The 90° Port.
3. The Stormceptor System is Protected by one or more of the following U.S. Patents: #985,148; #989,831; #752,746; #752,747; #989,831; #989,832; #817,109.
4. Contact a Concrete Pipe Division representative for further details not shown on this drawing.

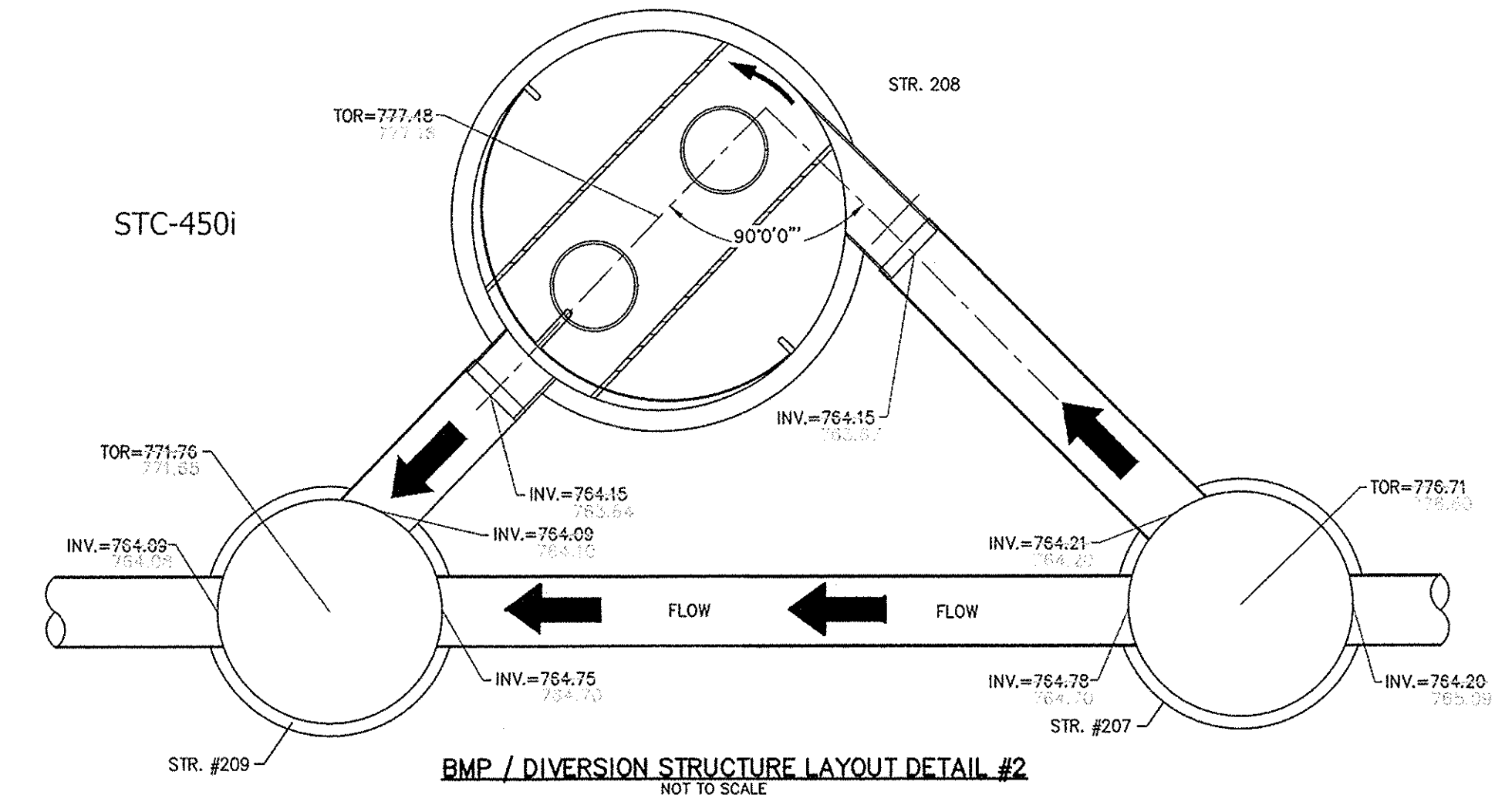
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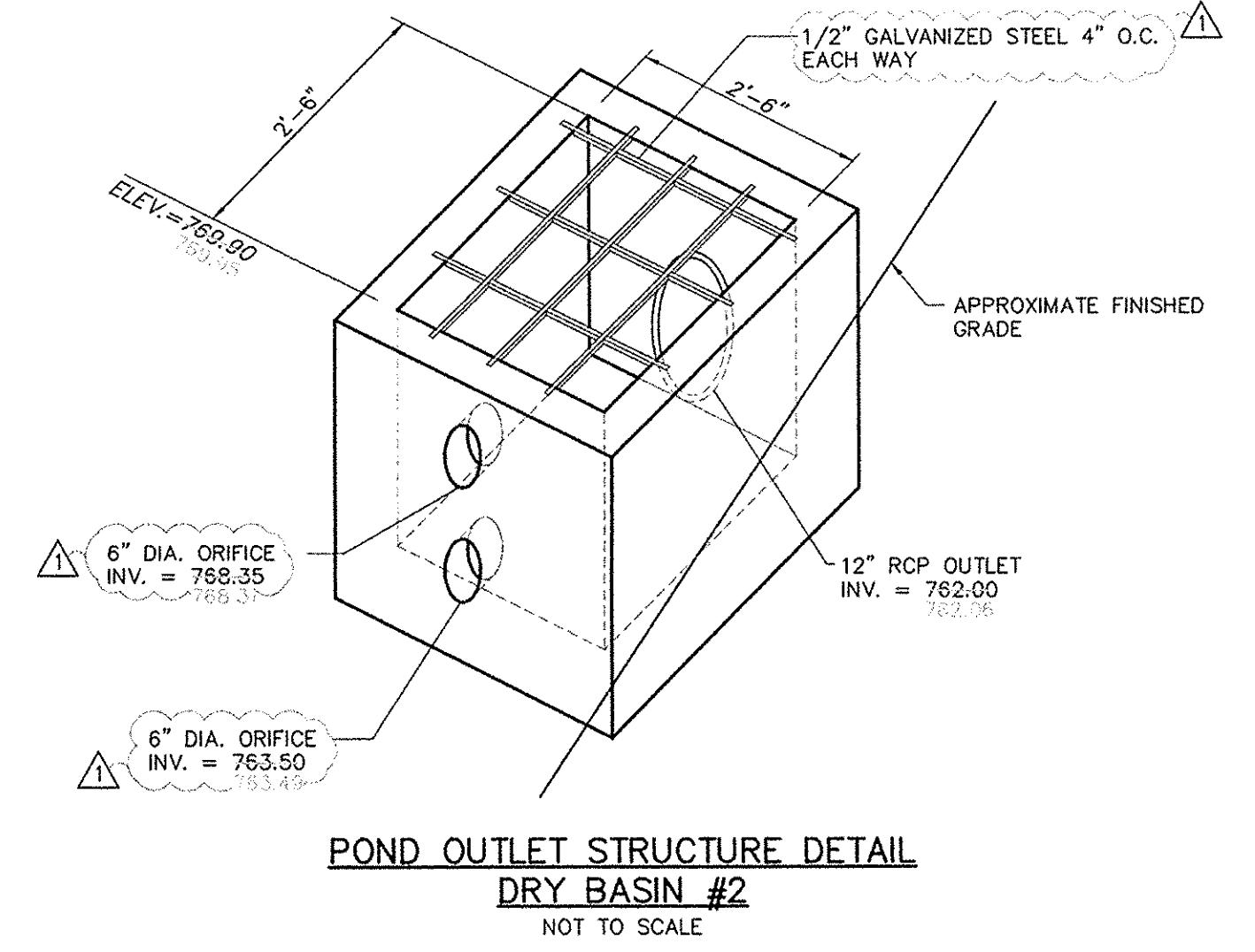
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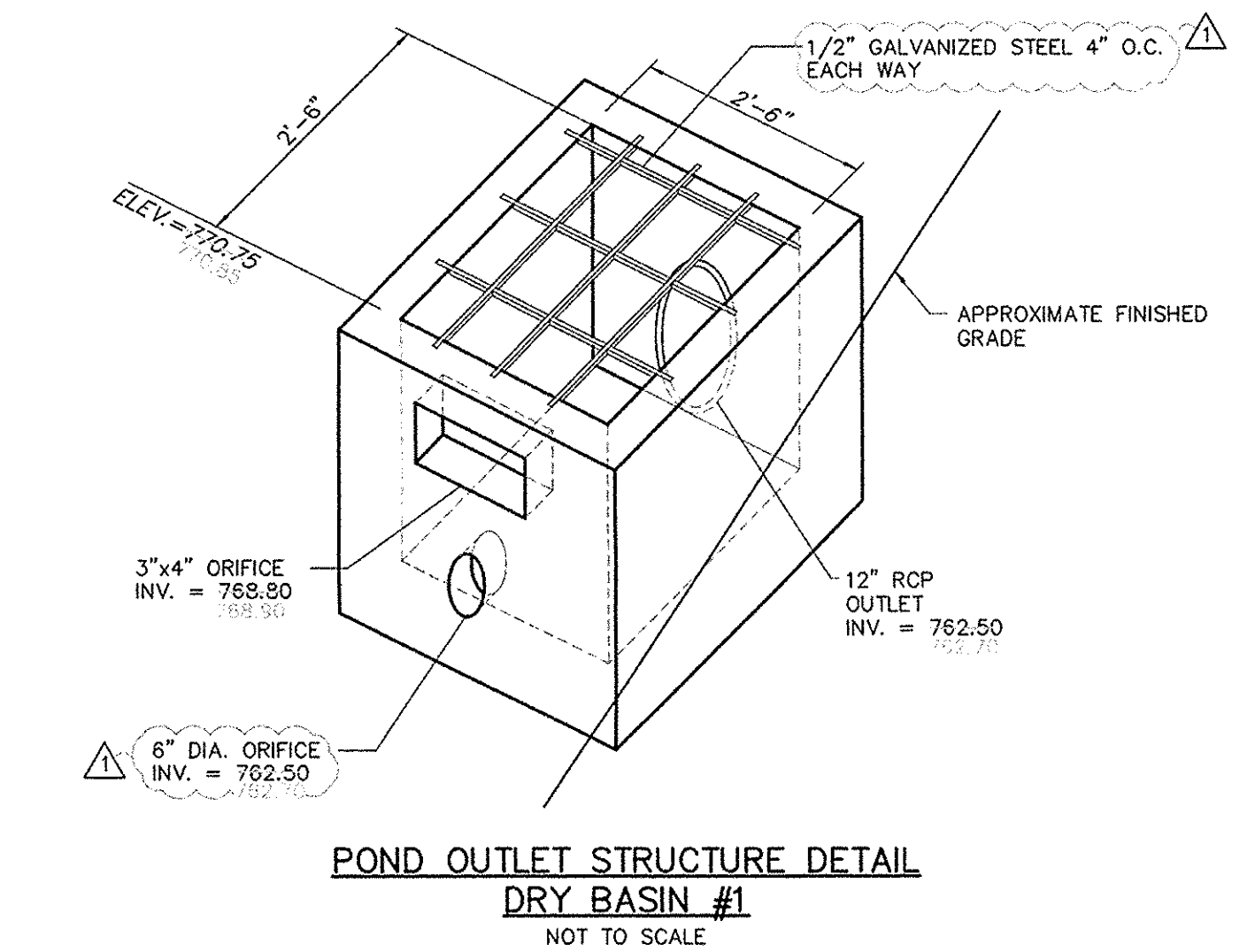
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BMP / DIVERSION STRUCTURE LAYOUT DETAIL #2
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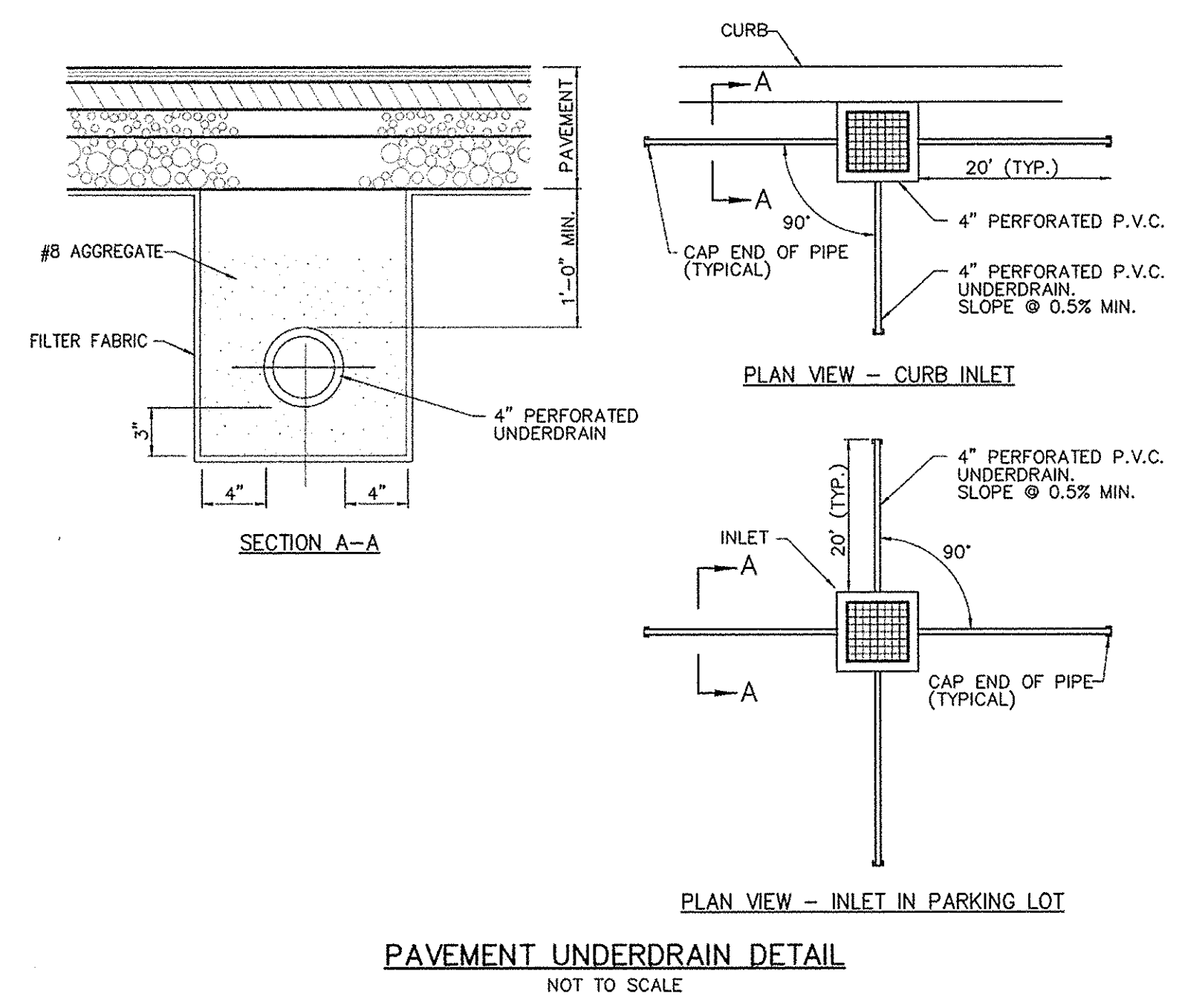


POND OUTLET STRUCTURE DETAIL
DRY BASIN #2
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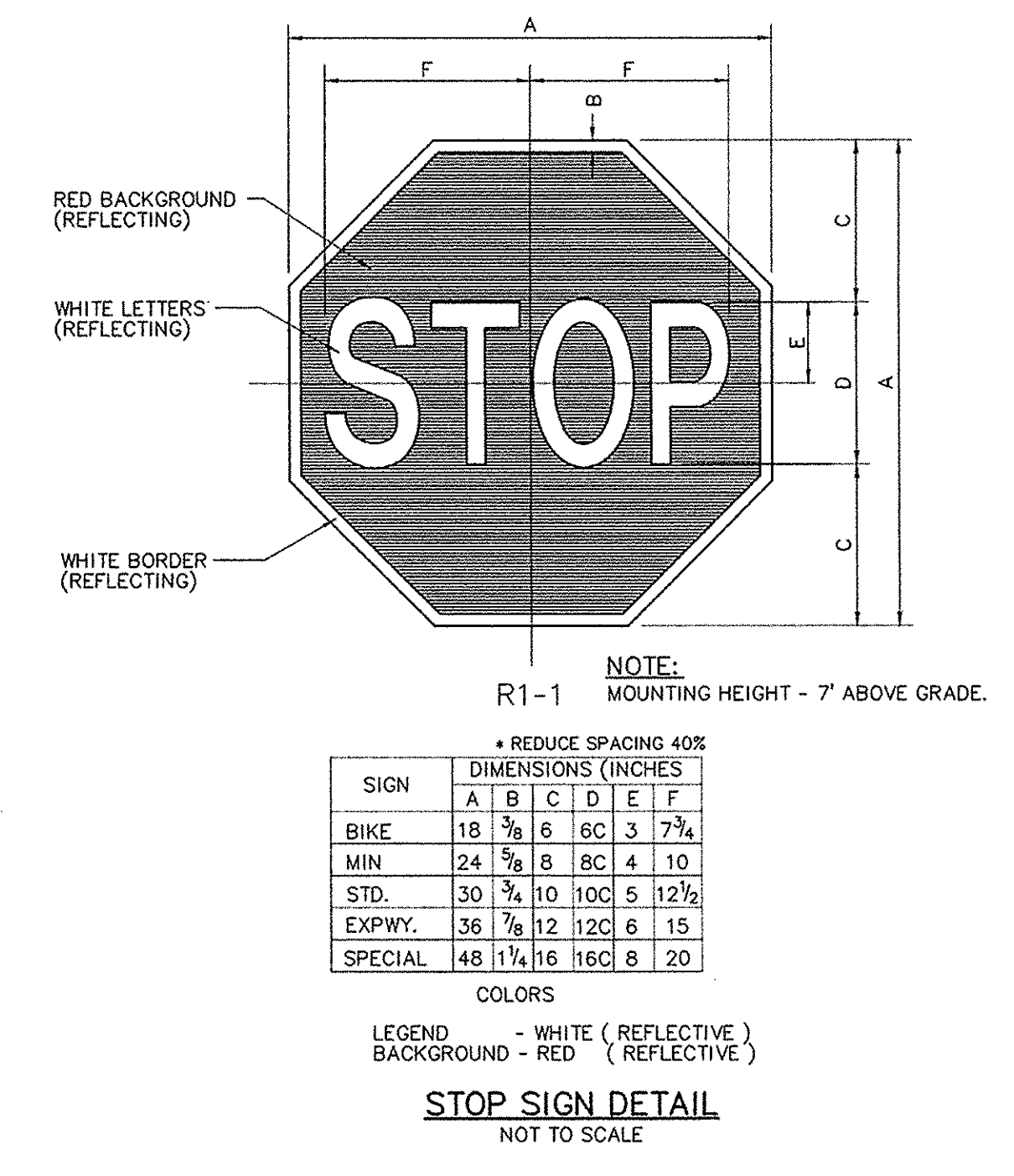
POND OUTLET STRUCTURE DETAIL
DRY BASIN #1
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AS-BUILT



PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE

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: 2016
Entered By: SLM



* REDUCE SPACING 40%

SIGN	A	B	C	D	E	F
BIKE	18	7/8	6	6C	3	7 1/4
MIN	24	5/8	8	6C	4	10
STD.	30	3/4	10	10C	5	12 1/2
EXPWY.	36	7/8	12	12C	6	15
SPECIAL	48	1 1/4	16	16C	8	20

LEGEND
WHITE (REFLECTIVE)
BACKGROUND - RED (REFLECTIVE)

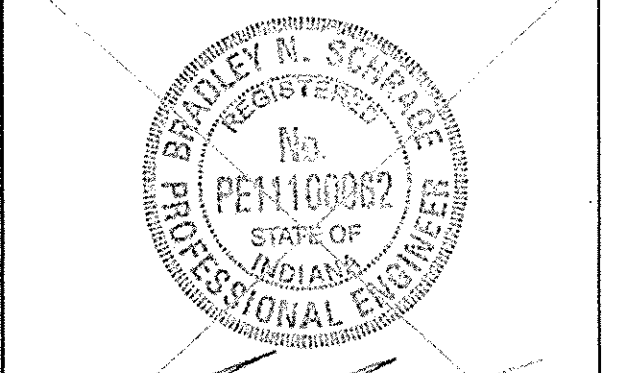
STOP SIGN DETAIL
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TERRY LEE CROSSING
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Project Number 2012.00089

SITE DETAILS

C700

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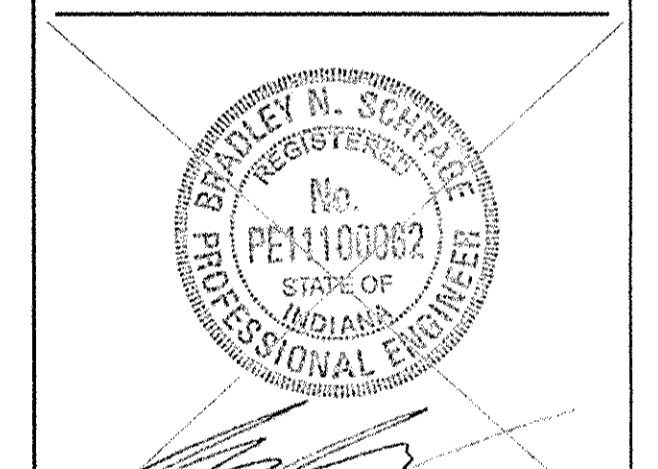
AS-BUILT

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CERTIFIED BY: **BRADLEY N. SCHRAGE**

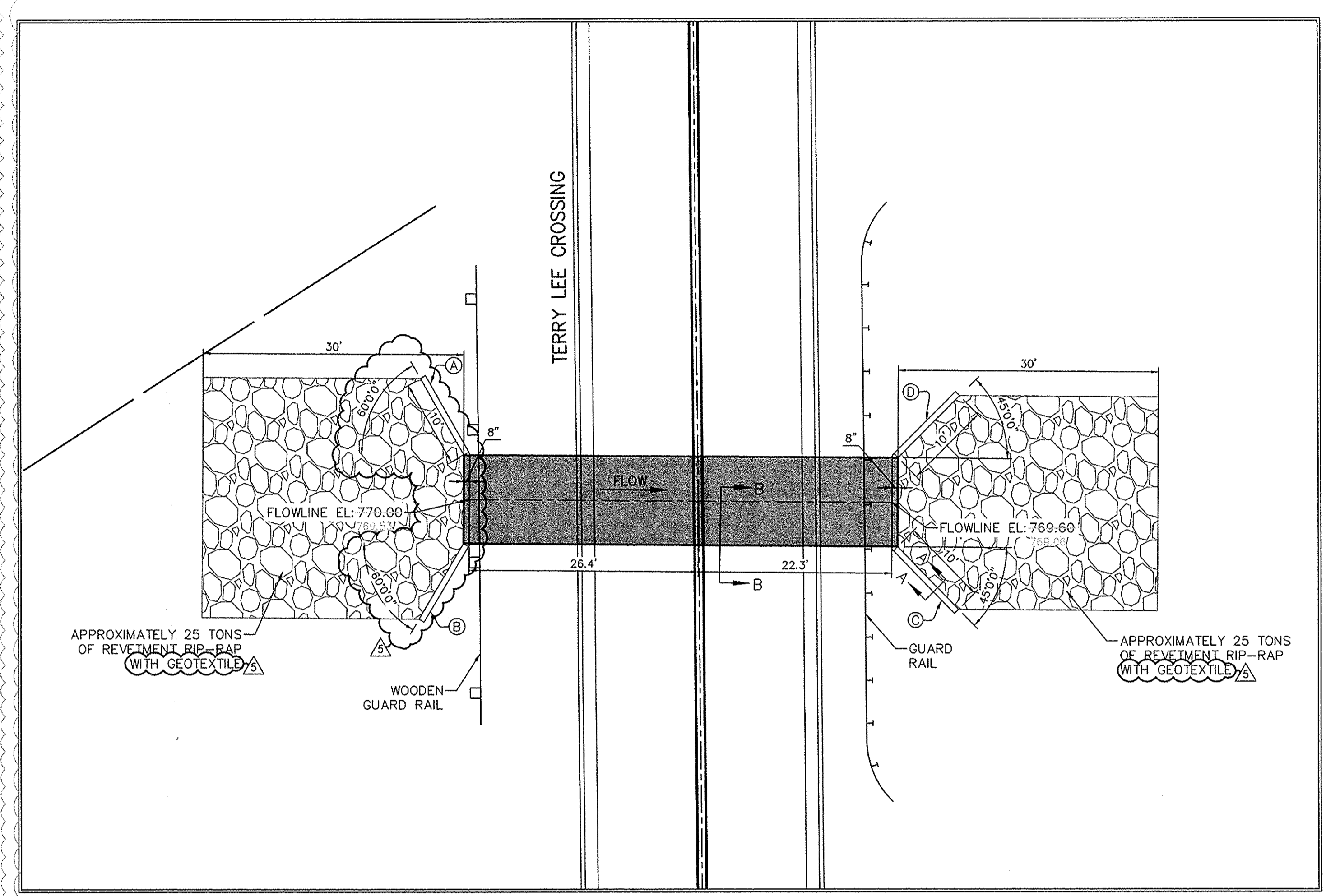
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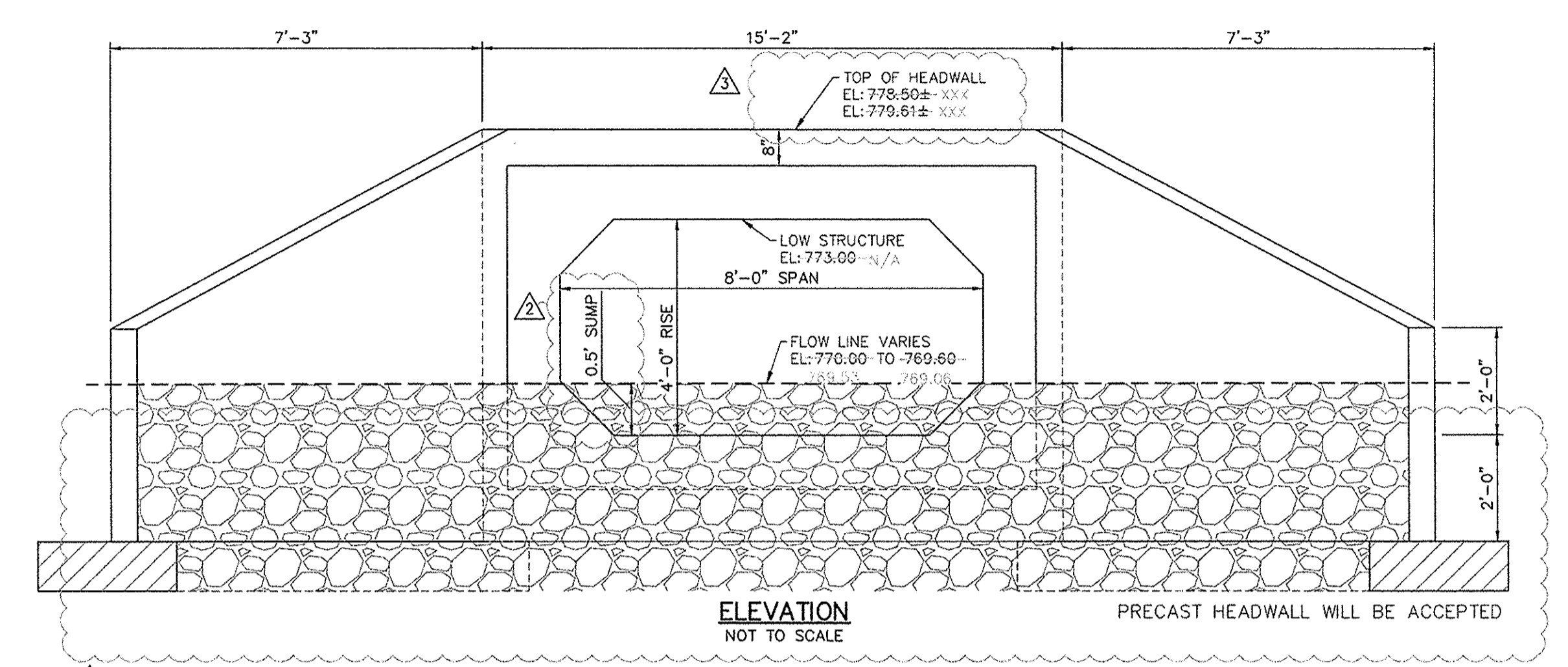
Project Number **2012.00089**

SITE DETAILS

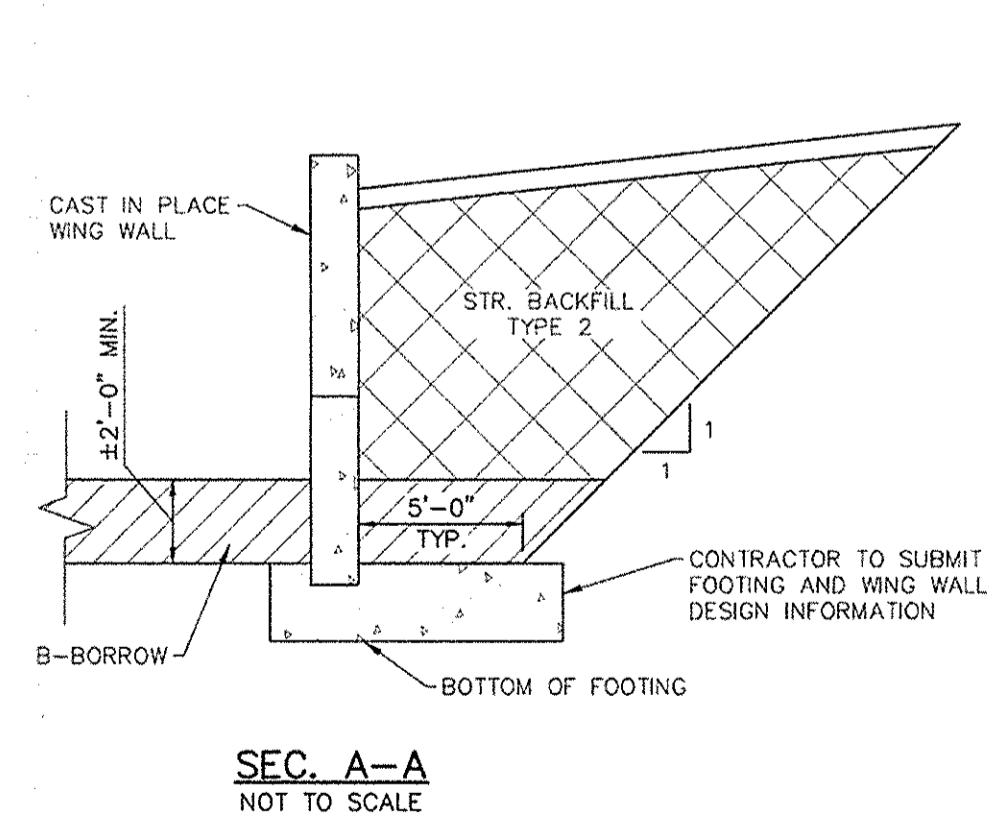
C702



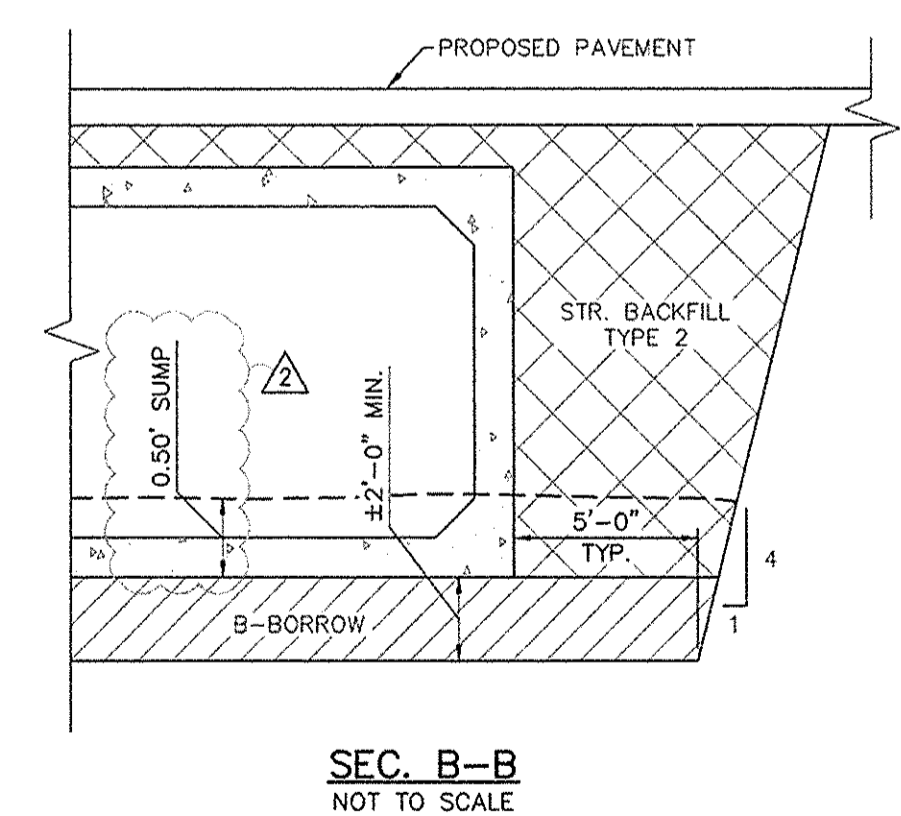
PLAN VIEW
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ELEVATION
 NOT TO SCALE



SEC. A-A
 NOT TO SCALE

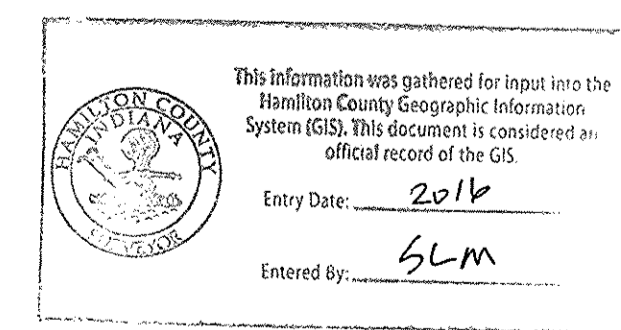


SEC. B-B
 NOT TO SCALE

WING WALL SUMMARY				
WALL	LENGTH	MINOR HEIGHT	MAJOR HEIGHT	AREA
	IN.	IN.	IN.	SQ. FT.
A	120	24	120	60
B	120	24	120	60
C	120	24	120	60
D	120	24	120	60

SOIL PARAMETERS FOR FOUNDATION & WINGWALL DESIGN	
3600 psf	NOMINAL SOIL BEARING RESISTANCE (SERVICE LIMIT) *
0.45	BEARING RESISTANCE FACTOR (STRENGTH LIMIT)
8090 psf	NOMINAL SOIL BEARING RESISTANCE (STRENGTH LIMIT) *
33°	ANGLE OF INTERNAL FRICTION OF FOUNDATION SOIL
22°	ANGLE OF FRICTION BETWEEN FOOTING OF FOUNDATION SOIL
0.404	FRICTION FACTOR
30°	FRICTION ANGLE OF BACKFILL MATERIAL
20°	FRICTION ANGLE BETWEEN WALL OF BACKFILL
120 pcf	TOTAL UNIT WEIGHT OF FOUNDATION SOIL
125 pcf	UNIT WEIGHT OF BACKFILL MATERIAL

* ASSUMING 2'-0" FOOTING WIDTH, ACTUAL WIDTH BY OTHERS



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