

K.W.

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*

July 15, 2015

To: Hamilton County Drainage Board

Re: Vestal-Kirkendall Drainage Area, Everett Cox Arm – Brookside Section 5C Reconstruction

Attached is a petition from Langston Development Company, Inc., along with a non-enforcement request, plans, calculations, and quantity summary for the proposed reconstruction of the Everett Cox Arm of the Vestal-Kirkendall Drain. The proposal is to reconstruct and relocate the drain for the development of Brookside Section 5C.

The drain reconstruction will those lengths of pipes between the following structures as shown in the plans for the Brookside Section 5C, designed by Weihe Engineers, dated May 2, 2014, and having job number W13-0083.

The reconstructed drain shall begin at Sta. 11+62 per the original description, which is where the tile will empty into a rip rap armored open ditch for 145 feet, then 340 feet of open ditch through the detention pond to the outlet, Str. 611, then 38 feet of 15" RCP to Str. 610, 216 feet of 15" RCP to Str. 609, 367 feet of 15" RCP to Str. 608, and 109 feet of 15" RCP to Str. 607. Structure 607 is the ending point of the off-site reconstruction, per my report dated February 4 2015, and approved by the Board on march 23, 2015 (D.B. 16, pages 134 to 137), which is also Sta. 22+08 of the original legal description.

The total length of new drain for this arm shall be 1,215 feet. The 1,046 feet of the original drain between Sta. 11+62 and Sta. 22+08 per the original legal description from 1901 shall be vacated. This proposal will add 169 feet to the Everett Cox Arm of Vestal-Kirkendall Drain total length.

The retention pond (lake #4) located in Common Area J is not to be considered part of the regulated drain. Pond maintenance assumed by the Drainage Board shall only include the inlet and outlet which are part of the Everett Cox Arm of the Vestal-Kirkendall Regulated Drain. The maintenance of the retention pond (lake) such as sediment removal and erosion control along the banks, mowing and aquatic vegetation maintenance and control will be the responsibility of

the Homeowners Association The Board will also retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained. Thereby, allowing no fill or easement encroachments.

The cost of the reconstruction is to be paid by Langston Development Company, Inc. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's property, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a noticed hearing is not required for the petition.

The petitioner has provided a Subdivision Performance Bond as follows:

Bonding Company: Lexon Insurance Company

Bond Number: 1114996

Bond Date: January 20, 2015

Bond Amount: \$156,612.00

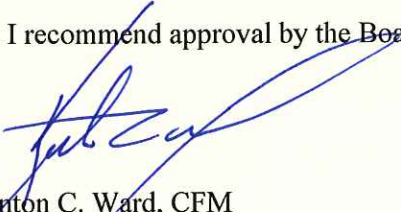
This reconstruction affects the following parcels and owners:

08-10-08-00-00-004.002

Langston Development Company

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request will be for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Brookside, Section 5C as recorded in the office of the Hamilton County Recorder.

I recommend approval by the Board at this time.



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll

HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: Brookside Section 5C )  
Hamilton County, Indiana )


PETITION FOR RELOCATION AND RECONSTRUCTION

Langston Development Company Inc. (hereinafter "Petitioner"),

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

1. Petitioner owns real estate through which a portion of the Everett Cox 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 Everett Cox 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 Everett Cox Drain, without cost to other property owners on the watershed of the Everett Cox 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 Everett Cox Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

Signed   
Printed Jim Langston



**SUBDIVISION BOND**

Bond No.: 1114996

Principal Amount: \$156,612.00

*HCDB-2015-00015*

KNOW ALL MEN BY THESE PRESENTS, that we Langston Development Company, Inc.  
as Principal, and Lexon Insurance Company a TX  
Corporation, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners,  
as Oblige, in the penal sum of One Hundred Fifty Six Thousand Six Hundred Twelve Dollars and No  
Cents (Dollars) (\$ 156,612.00), lawful money of the  
United States of America, for the payment of which well and truly to be made, we bind ourselves, our  
heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Langston Development Company, Inc. has agreed to construct in Brookside, Section 5C  
Subdivision, in Noblesville, IN the following improvements:

Everett Cox Legal Drain Re-Construction  
\_\_\_\_\_  
\_\_\_\_\_

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described, and shall save the Oblige harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void, otherwise to remain in full force and effect, and the Surety, upon receipt of a resolution of the Oblige indicating that the improvements have not been installed or completed, will complete the improvements or pay to the Oblige such amount up to the Principal amount of this bond which will allow the Oblige to complete the improvements.

Upon approval by the Oblige, this instrument may be proportionately reduced as the public improvements are completed.

Signed, sealed and dated, this 20th day of January, 2015

Langston Development Company, Inc.  
Principal

Lexon Insurance Company  
Surety

By: *John Edwards*

By: *Dawn L. Morgan*  
Attorney-in-Fact  
Dawn L. Morgan

# Lexon Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that **LEXON INSURANCE COMPANY**, a Texas Corporation, with its principal office in Louisville, Kentucky, does hereby constitute and appoint: James I. Moore, Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Kelly A. Gardner, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Tariese M. Pisciotto its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **LEXON INSURANCE COMPANY** on the 1<sup>st</sup> day of July, 2003 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$ 8,000,000.00, Eight Million dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Assistant Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **LEXON INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 21<sup>st</sup> day of September, 2009.

**LEXON INSURANCE COMPANY**



BY   
David E. Campbell  
President

## ACKNOWLEDGEMENT

On this 21<sup>st</sup> day of September, 2009, before me, personally came David E. Campbell to me known, who be duly sworn, did depose and say that he is the President of **LEXON INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.



AMY L. TAYLOR  
Notary Public- State of Tennessee  
Davidson County  
My Commission Expires 01-09-16

BY   
Amy L. Taylor  
Notary Public

## CERTIFICATE

I, the undersigned, Assistant Secretary of **LEXON INSURANCE COMPANY**, A Texas Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the forgoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Seal at Mount Juliet, Tennessee this 20th Day of January, 20 15.



BY   
Andrew Smith  
Assistant Secretary

**WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files and application for insurance of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.**

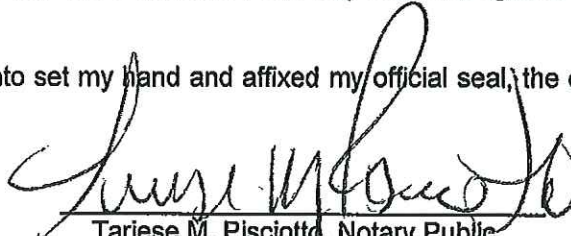
STATE OF ILLINOIS}

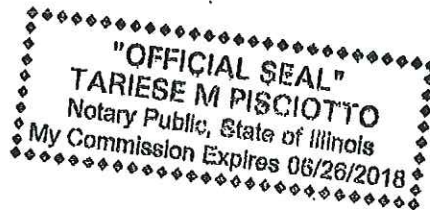
COUNTY OF DUPAGE}

On January 20th, 2015 before me, Tariese M. Pisciotto, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared, Dawn L. Morgan known to me to be Attorney-in-Fact of Lexon Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and duly acknowledged to me that such corporation executed the same.

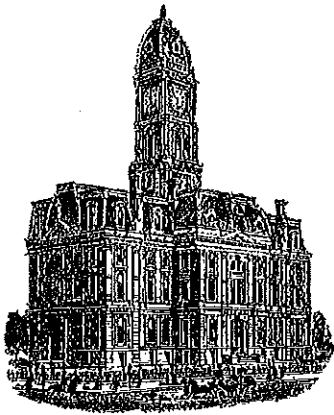
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires, June 26, 2018

  
Tariese M. Pisciotto, Notary Public



KLW



*Kenton C. Ward, CEM*  
*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**

**April 11, 2016**

**Re: Vestal-Kirkendall D.A. - Everett Cox Drain: Brookside Sec. 5C Reconstruction**

Attached are as-built, certificate of completion & compliance, and other information for Brookside Section 5C Reconstruction of the Everett Cox Drain. 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 July 15, 2015. The report was approved by the Board at the hearing held July 27, 2015. (See Drainage Board Minutes Book 15, Pages 258-259)

The changes are as follows:

The open ditch was shortened from 485 feet to 458 feet. The 15" RCP was shortened from 730 feet to 707 feet. The length of the drain due to the changes described above is now **1165 feet**.

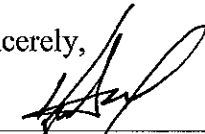
**Note:** Originally the tile was to be intercepted at Sta. 11+62 and then via open ditch outlet into the pond. This was changed and the tile outlets directly into the pond. The original Everett Cox was removed from Sta. 12+03 to Sta. 22+08. Therefore, the project added 160 feet to the drain's overall length.

The non-enforcement for the drain was approved by the board at the July 27, 2015 meeting. It is now recorded and on file with the Hamilton County Recorders' Office under instrument #2015065357.

The following sureties were guaranteed by Lexon Insurance Company and released by the Board on its April 11, 2016 meeting.

Bond-LC No: 1114996  
Amount: \$156,612.00  
For: Storm Sewers & SSD  
Issue Date: January 20, 2015

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: Brookside Section 5C

I hereby certify that:

1. I am a registered Professional 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: March 16, 2016

Printed Name: Duane A. Sharrer

Business Address: Weihe Engineers, Inc.

10505 N College Avenue

Indianapolis, IN 46280

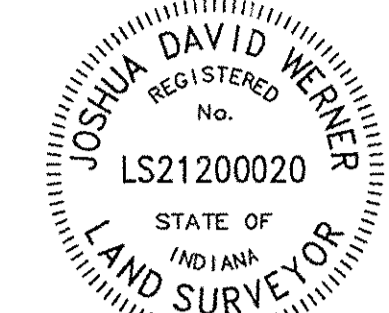
Telephone Number: (317) 846-6611

Indiana Registration Number: 8902528



# RECORD DRAWING CONSTRUCTION PLANS FOR BROOKSIDE SECTION 5C A SUBDIVISION IN WESTFIELD, INDIANA 16540 GRAY ROAD N.

RECORD DRAWING  
03/22/2016  
JOSHUA DAVID WERNER, LS21200020



10505 N. College Avenue  
Indianapolis, Indiana 46280  
weihe.net  
317 | 846 - 6611  
800 | 452 - 6408  
317 | 843 - 0546/ fax  
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

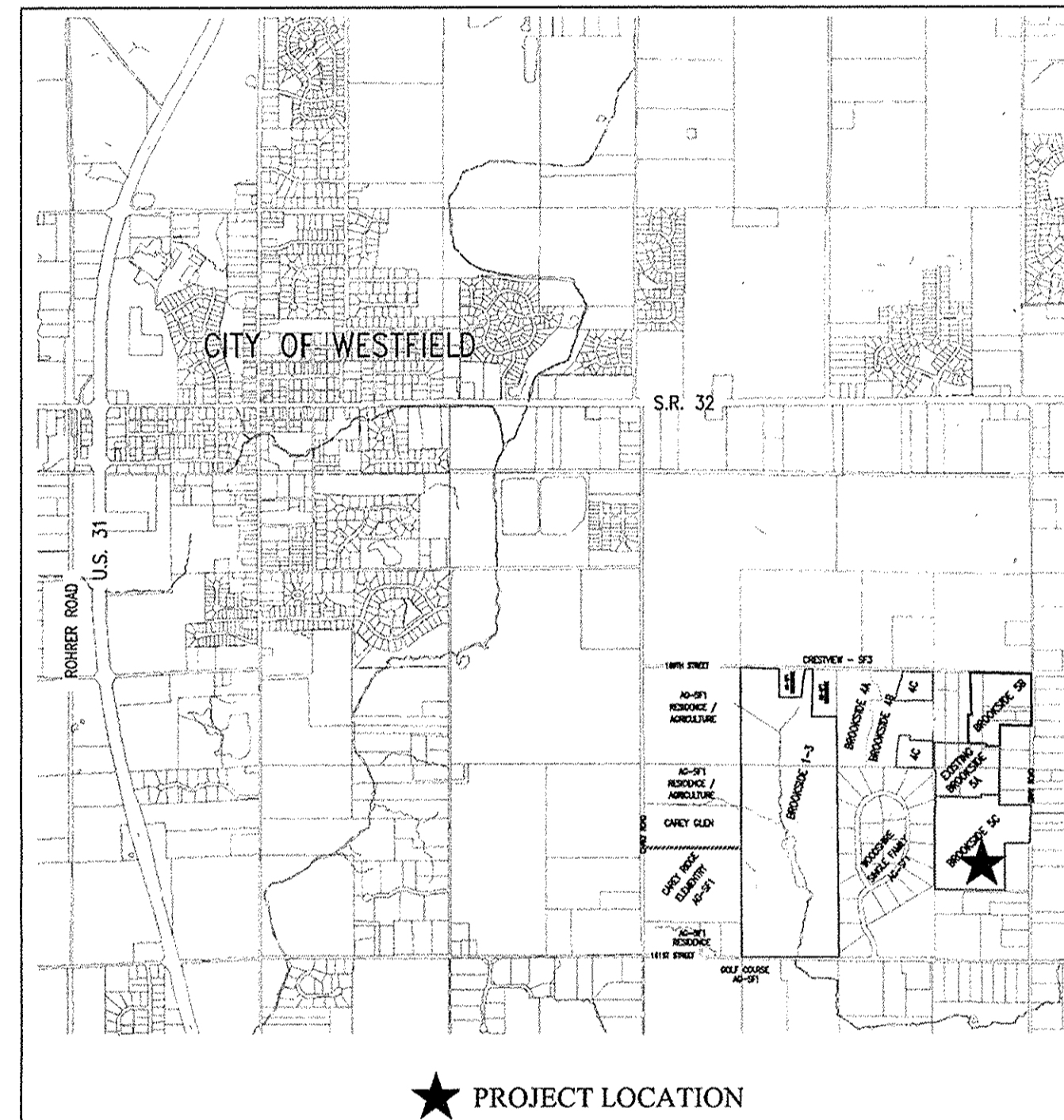
**WEIHE ENGINEERS**  
Land Surveying | Civil Engineering  
Landscape Architecture

## SHEET INDEX

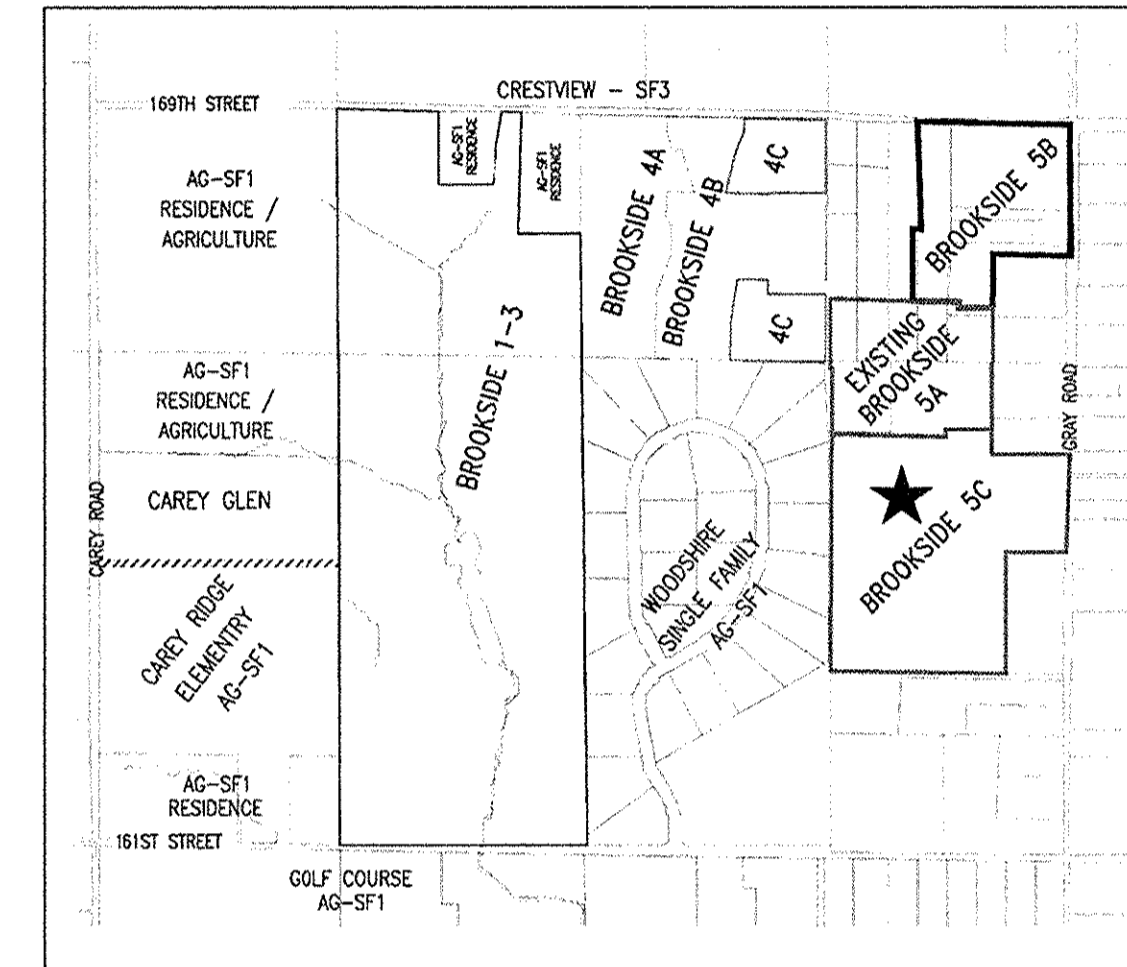
SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C100-C101	SITE PREPARATION / DEMOLITION PLAN
C200-C203	STORMWATER POLLUTION PREVENTION PLAN
C204-C205	STORMWATER POLLUTION PREVENTION DETAILS & SPECIFICATIONS
C300-C301	DEVELOPMENT PLAN
C400-C402	STREET PLAN & PROFILES
C403-C406	STREET DETAILS AND SPECIFICATIONS
C407-C408	TRAFFIC CONTROL PLAN/SUMP PLAN
C409	INTERSECTION DETAIL
C500-C503	SANITARY SEWER PLAN & PROFILES
C504-C505	SANITARY SEWER DETAILS
C506	SANITARY SEWER SPECIFICATIONS
C597	UNSEWERED SERVICE AREA
C600	LEGAL DRAIN ONSITE STORM SEWER PLAN & PROFILE
C601-C606	STORM SEWER PLAN & PROFILES
C607-C610	STORM SEWER DETAILS
C611	STORM SEWER SPECIFICATIONS
C700-C701	WATER MAIN PLAN
C702-C703	WATER MAIN DETAILS
C704	WATER MAIN SPECIFICATIONS
C800	GENERAL SPECIFICATIONS
L1	LANDSCAPE PLAN

## GENERAL NOTES

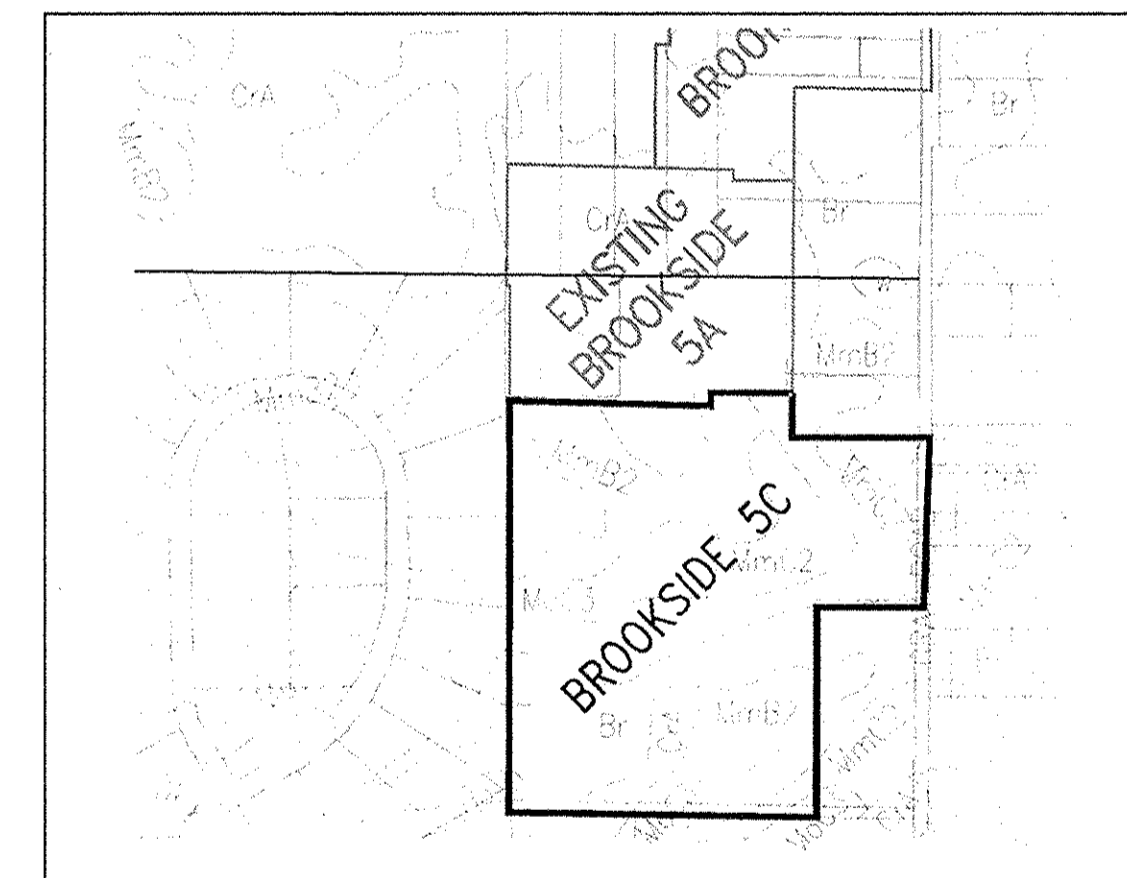
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- 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.
- EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #18057C0139G, DATED NOVEMBER 19, 2014.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- THE SITE DOES NOT CONTAIN A WETLAND AS ESTABLISHED BY THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, WESTFIELD, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1989. WETLAND DELINEATION BY ALT & WITZIG, DATED MARCH 10, 2005.
- ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHTS OF WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS. CONTRACTOR SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED CITY RIGHTS OF WAY.
- 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 OUTSIDE OF THE PROPOSED RIGHT-OF-WAY.



★ PROJECT LOCATION  
AREA MAP



SITE LOCATION MAP



SOIL MAP

## BENCHMARK INFORMATION

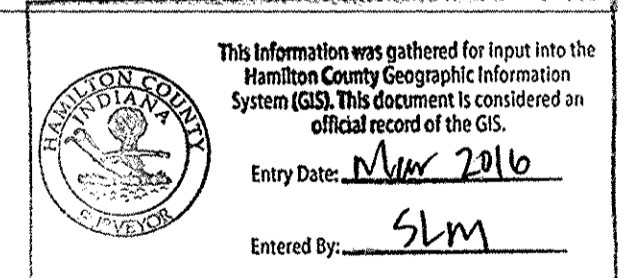
TBM #1  
A MAG NAIL IN THE WEST CURB LINE OF GANG BOULEVARD 10' NORTH OF ITS SOUTH TERMINUS IN BROOKSIDE SECTION 5A. ELEVATION - 856.12  
BENCHMARKS ARE BASED UPON ELEVATIONS FROM BROOKSIDE SUBDIVISION.

## OPERATING AUTHORITIES:

<b>CITY OF WESTFIELD</b> COMMUNITY DEVELOPMENT ATTENTION: KEVIN TODD 2728 EAST 171ST STREET WESTFIELD, IN 46074 317-804-3172	<b>WESTFIELD DEPT. OF PUBLIC WORKS</b> ATTENTION: KEN ALEXANDER 2706 EAST 171ST STREET WESTFIELD, IN 46074 317-804-3100	<b>WESTFIELD FIRE DEPARTMENT</b> ATTENTION: GARRY HARLING 17535 DARTWOOD ROAD WESTFIELD IN 46074 317-896-2704
<b>HAMILTON COUNTY HEALTH DEPT.</b> ATTENTION: LARRY BEARD 18030 FOUNDATION DRIVE, SUITE A NOBLESVILLE, IN 46060-2229 317-776-8500	<b>BRIGHTHOUSE NETWORKS</b> ATTENTION: JASON KIRKMAN 3030 ROCSEVELT AVENUE INDIANAPOLIS, IN 46218 317-632-9077	<b>HAMILTON COUNTY SURVEYOR'S OFFICE</b> ATTENTION: GREG HOYES 1 HAMILTON COUNTY SQUARE, STE. 146 NOBLESVILLE, IN 46060 317-776-9626
<b>HAMILTON COUNTY HIGHWAY DEPT.</b> ATTENTION: DAVE LUCAS 1700 SOUTH 10TH STREET NOBLESVILLE, IN 46060 317-773-7770	<b>AT&amp;T (TELEPHONE)</b> ATTENTION: JIM COOVERT 240 N. MERIDIAN STREET INDIANAPOLIS, IN 46204 317-252-4240	<b>CITIZENS GAS OF WESTFIELD</b> ATTENTION: RICHARD MILLER, JR. 2150 DR. MARTIN LUTHER KING DRIVE INDIANAPOLIS, IN 46202-1162 317-696-4041
<b>FRONTIER</b> ATTENTION: STEVE COSTLOW 20905 HAGUE RD. NOBLESVILLE, IN 46062 317-984-9010	<b>TIME WARNER TELECOM</b> ATTENTION: TANNY TRILPLITT 4625 WEST 86TH STREET, STE 500 INDIANAPOLIS, IN 46268 317-713-8947	<b>DUKE ENERGY (ELECTRIC)</b> ATTENTION: JASON KEENAN 100 SOUTH MILL CREEK ROAD NOBLESVILLE, IN 46060 317-776-5335
<b>COMCAST CABLE</b> ATTENTION: MATT STRINGER 9750 EAST 150TH STREET, STE 1600 NOBLESVILLE, IN 46060 317-774-3384	<b>VECTREN (GAS)</b> ATTENTION: CHARLES SHUPPERD 16000 ALLISONVILLE ROAD NOBLESVILLE, IN 46060 317-776-5535	<b>CITIZENS WASTEWATER OF WESTFIELD, LLC</b> 2150 DR. MARTIN LUTHER KING JR. STREET INDIANAPOLIS, IN 46202 CITIZENS WATER 2150 DR. MARTIN LUTHER KING JR. STREET INDIANAPOLIS, IN 46202

PLANS PREPARED FOR  
**LANGSTON DEVELOPMENT COMPANY INC.**  
1132 S. RANGELINE RD. SUITE 100  
CARMEL, INDIANA 46032  
TEL: (317) 846-7017  
FAX: (317) 846-0217  
CONTACT PERSON: JIM LANGSTON

PLANS PREPARED BY  
**WEIHE ENGINEERS, INC.**  
10505 N. COLLEGE AVE.  
INDIANAPOLIS, IN 46280  
(317) 846-6611  
CONTACT PERSON: RICK ELLIS  
EMAIL: ellisr@weihe.net



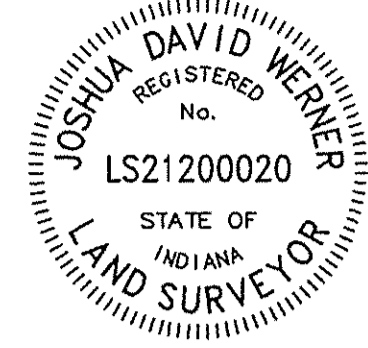
PROJECT NO. W13-0083  
SHEET NO. C001  
BROOKSIDE SECTION 5C  
LANGSTON DEVELOPMENT COMPANY, INC.  
TITLE SHEET

Location: H:\Projects\13\W13-0083\Drawings\03-22-2016\03-22-2016.dwg  
 Date: 03/22/2016  
 Time: 10:08:00 AM  
 Plotted By: jdw@weihe.net

**RECORD DRAWING**  
DEVELOPMENT PLAN AS-BUILTS  
REGULATED DRAIN ASBUILTS ONLY  
03/22/2016

JOSHUA DAVID WERNER, LS21200020

AS-BUILT INFORMATION



**NOTES:**

- CONTRACTOR SHALL VERIFY SITE SOIL BALANCE REQUIREMENTS PRIOR TO STARTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER OF ANY DISCREPANCIES IN EARTHWORK BALANCE. GRADING INTENT AS SHOWN SHALL BE MAINTAINED. EXCESS SOIL SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES, WATER MAIN, AND STORM SEWERS IS 18" OR LESS.
- GRANULAR BACKFILL TO BE USED FOR ALL UTILITY AND SEWER - STREET CROSSINGS.
- PIPE CROSSINGS SHALL BE TYPE "B" BORROW. TYPE "B" BORROW SHALL MEET 1/2" OR GREATER NOMINAL SIZE.
- ALL PROPOSED CURB TO BE ROLL CURB. (FOR DETAIL SEE SHT. #0403)
- ALL 6" SSD TO BE DOUBLE WALL, GASKETED SMOOTH BORE, DRAIN TILE.
- ALL STORM SEWERS AND SSD (INCLUDING SWALES) SHALL BE CLEANED AND TESTED AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED. THIS INCLUDES POWER, GAS AND CABLE.

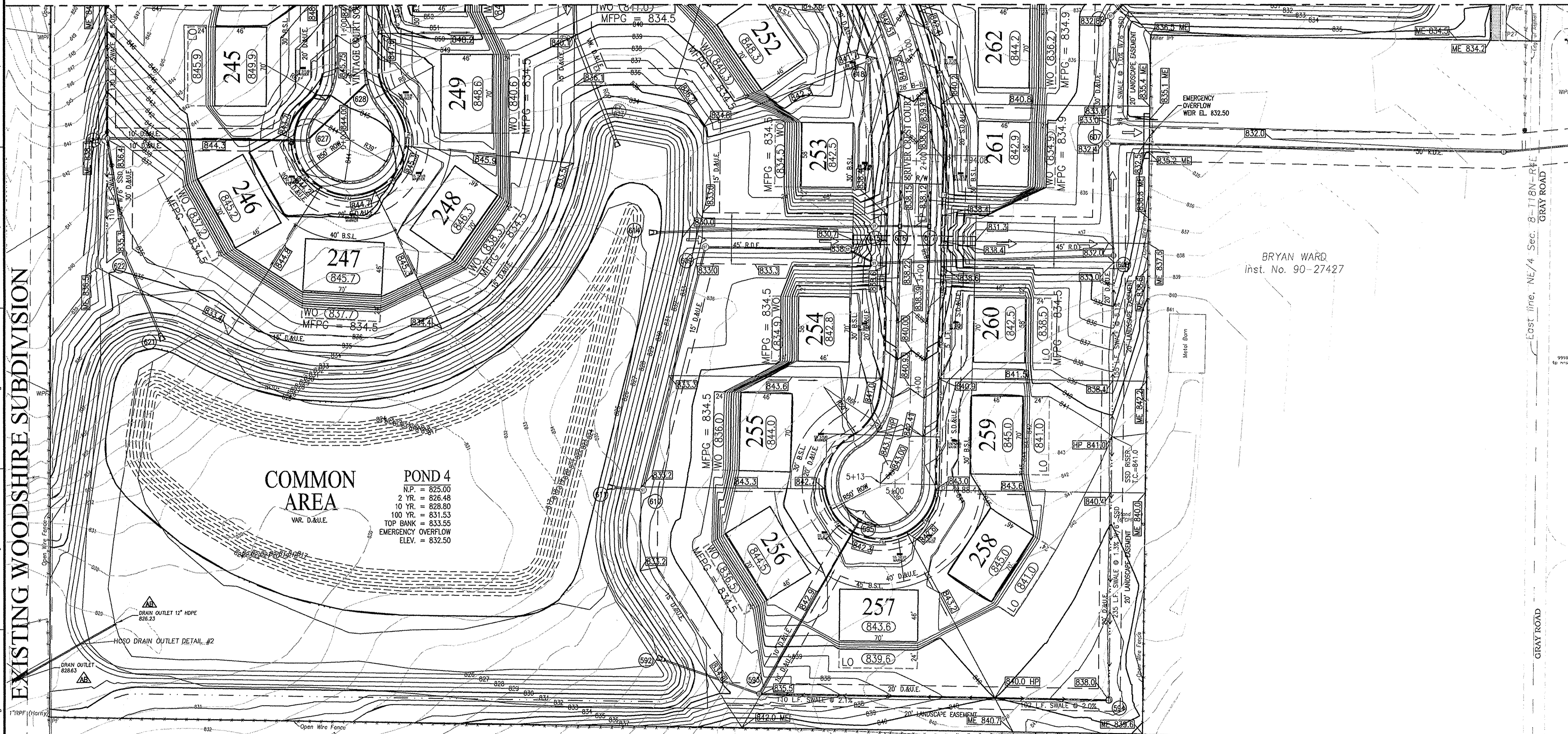
**LEGEND**

- TREE PRESERVATION FENCE
- RIGHT-OF-WAY LINE
- STORM SEWER LINE
- SWALE
- SSD
- SANITARY SEWER LINE
- SANITARY SEWER MANHOLE
- SANITARY SEWER LATERAL
- SANITARY FORCE MAIN
- PROPOSED WATER LINE
- FLOW DIRECTION
- EXISTING CONTOURS
- PROPOSED ELEVATION
- STORM BEEHIVE INLET
- STORM INLET
- T.C.
- INV.
- RCP
- M.H.
- STR.
- REINFORCED CONCRETE PIPE
- MANHOLE
- D. & U.E.
- D.U. & S.E.
- CONCRETE END SECTION
- ME
- TYP.
- PROPOSED
- EX.
- R.
- V.W.
- P.G.
- R/W
- B-B
- PAD ELEV
- PAD = 70'x70' (UNLESS NOTED OTHERWISE)
- EMERGENCY FLOW ROUTE
- LO
- DENOTES PAD FOR LOOK OUT BASEMENT
- \*
- DENOTES PAD FOR WALK OUT BASEMENT
- \*
- ADA RAMP
- ☆
- DENOTES LOTS WITH SPECIAL DRAINAGE (SWALES) TO DRAIN WATER AROUND THE PAD/HOUSE

**GENERAL GRADING NOTES:**

- REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION, FOR BASIC MATERIALS AND CONSTRUCTION METHODS. THE SECTIONS BELOW FOR VARIOUS ITEMS ARE TO CLARIFY THE INTENT OF THE REQUIREMENTS FOR THIS PROJECT. PLEASE NOTE THAT OTHER SECTIONS OF THE INDOT STANDARD SPECIFICATIONS MAY ALSO BE APPLICABLE.
- FILL MATERIAL SHALL CONSIST OF EARTH OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. EARTH SHALL BE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND LARGE ROCKS. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION, PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TEST SHALL BE RUN ON EACH LIFT IN FILL SECTIONS, AND THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH INDOT SECTION 211.
- MAXIMUM LAWN SLOPE IS 3:1.
- 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 RESPONSIBILITY OF THE CONTRACTOR.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
- COMPACTED "B" BORROW BACK FILL REQ'D. OVER ALL UTILITIES IN PAVED AREAS.
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
- ANY PART OF SANITARY / STORM SEWER AND WATER MAIN TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
- ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
- THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF EARTH IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVAL OR IMPORTING OF EARTH.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS AFTER INSTALLATION. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
- VERTICAL CURVES, WITH A MINIMUM LENGTH OF 50', SHALL BE USED WHERE POSSIBLE BETWEEN VERTICAL CHANGES IN DIRECTION (SLOPE) TO ALLOW FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS.
- FINISHED FLOOR ELEVATION (FFE) SHALL BE 12" ABOVE PAD ELEVATION.

MATCHLINE (SEE SHEET C300)



**COMMON AREA**  
VAR. D.&U.E.

**POND 4**  
N.P. = 825.00  
2 YR. = 826.48  
10 YR. = 828.80  
100 YR. = 831.53  
TOP BANK = 833.55  
EMERGENCY OVERFLOW ELEV. = 832.50

BRYAN WARD  
Inst. No. 90-27427

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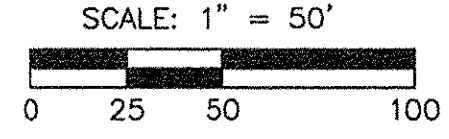
Entry Date: Mar 2016  
Entered By: SLM



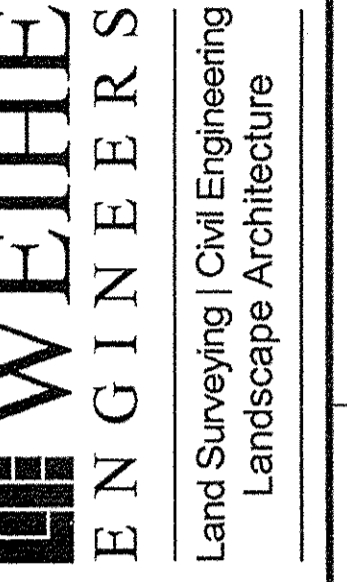
Know what's below.  
Call before you dig.

Within Indiana Call  
811 or 800-382-5544  
24 Hours a Day, 7 Days a Week.

PER INDIANA STATE LAW IC 8-1-36, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



10505 N. College Avenue  
Indianapolis, Indiana 46280  
weilhe.net  
317 | 846 - 6611  
800 | 452 - 6408  
317 | 843 - 0546 fax  
ALLAN H. WEILHE, P.E., L.S., FOUNDER



PROJECT NO. W13-0083  
DATE: 05/22/2016

DIANE A. SHARRER  
REGISTERED  
No. 890258  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DUANE A. SHARRER P.E. 890258

PREPARED FOR:  
**BROOKSIDE SECTION 5C**  
LANGSTON DEVELOPMENT COMPANY, INC.  
DEVELOPMENT PLAN

SHEET NO.  
**C301**  
PROJECT NO.  
W13-0083

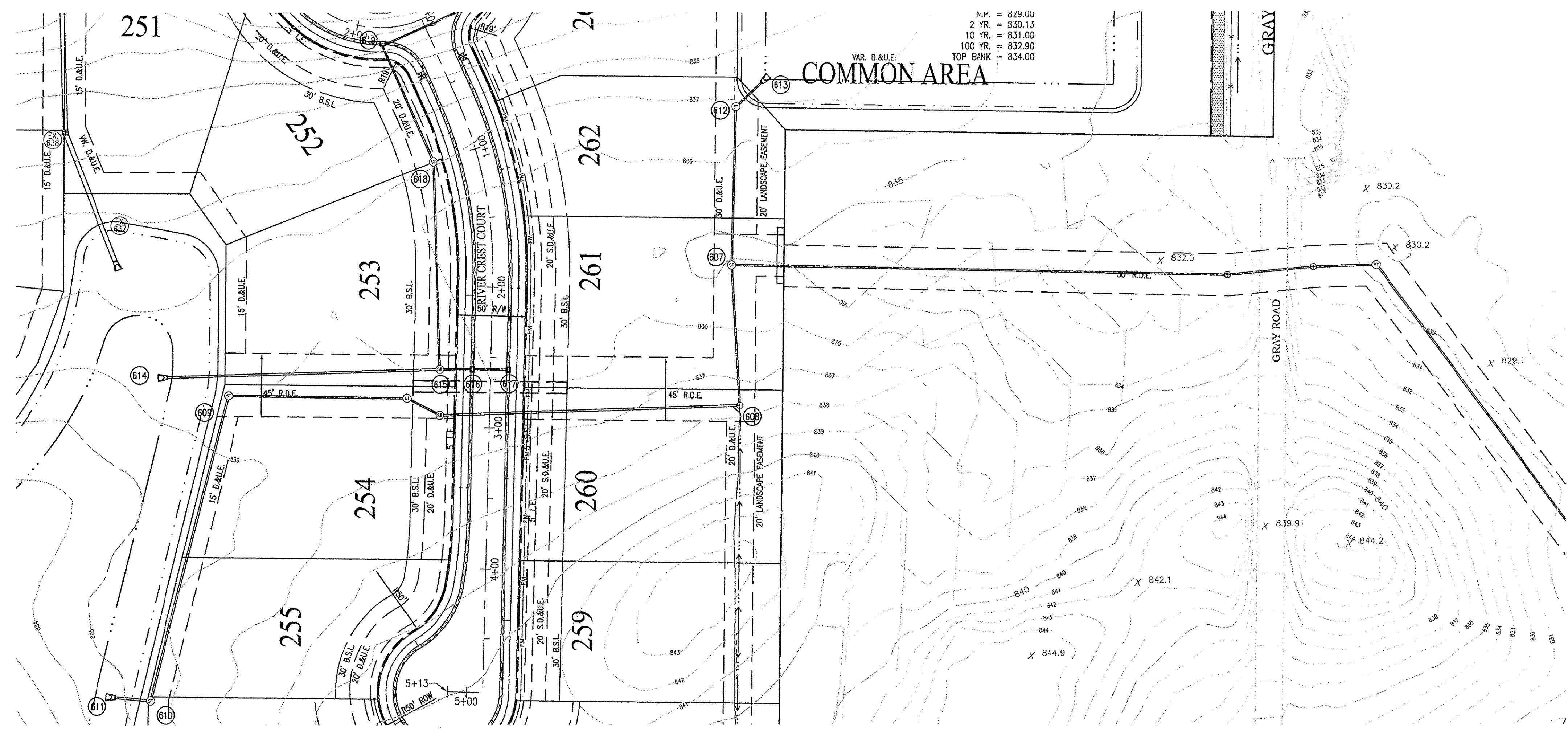
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DATE/TIME: March 22, 2016 1:10:58pm  
PLOTTER: HP DesignJet 5000



**RECORD DRAWING**  
 STORM SEWER AS-BUILTS  
 STORM SEWER STRUCTURES ONLY  
 03/16/2016

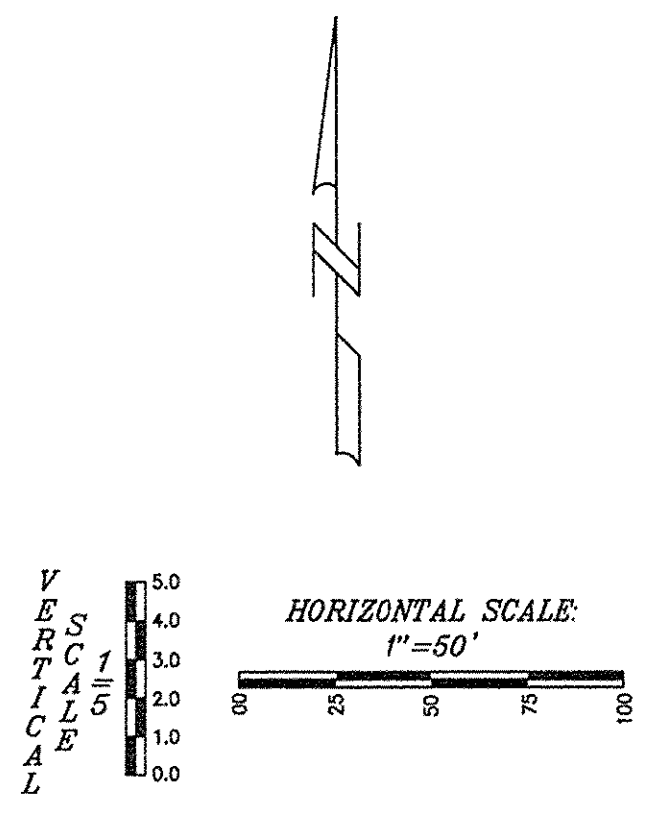
JOSHUA DAVID WERNER, LS21200020

- ▲ - AS-BUILT INFORMATION
- ✓ - BUILT AS PLANNED



N.P.	=	829.00
2 YR.	=	830.13
10 YR.	=	831.00
100 YR.	=	832.90
TOP BANK	=	834.00

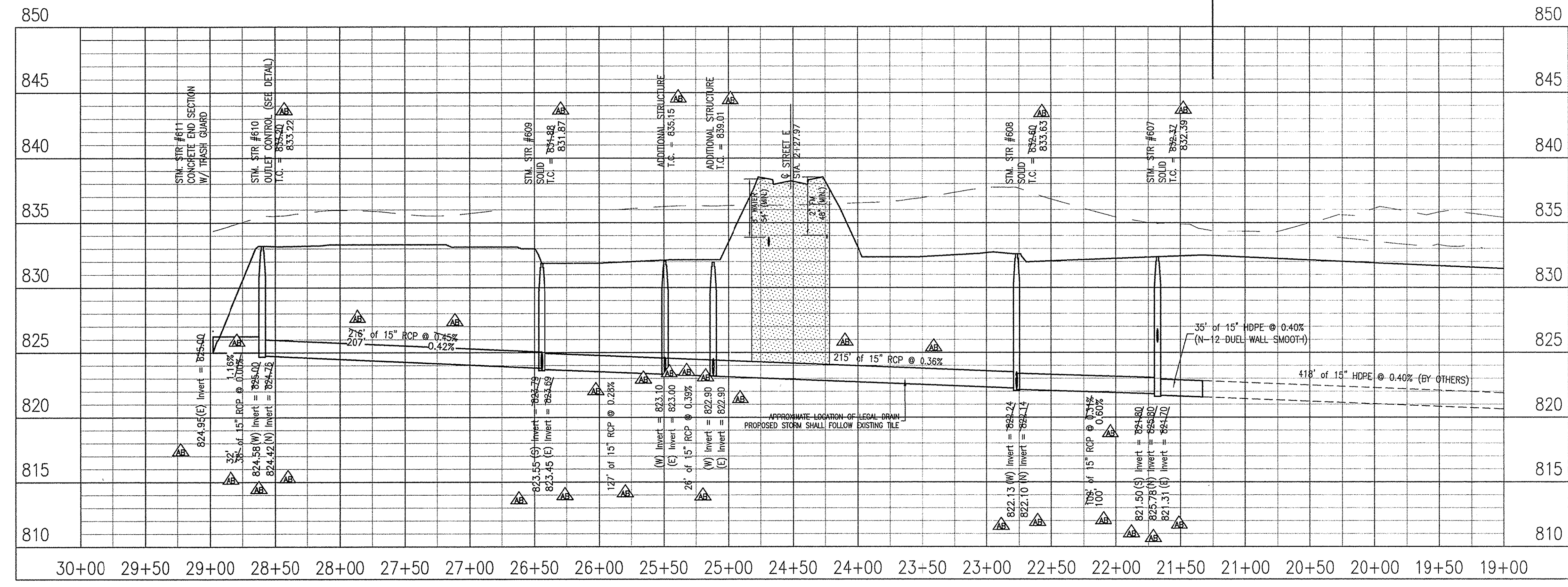
- NOTES:**
- CONTRACTOR SHALL FOLLOW COURSE OF THE EXISTING TILE WITH NEW TILE. TERMINATION POINT AND ELEVATION OF THE NEW TILE SHALL MATCH THE POINT AND ELEVATION OF THE EXISTING TILE, OR AS DIRECTED BY THE HAMILTON COUNTY SURVEYORS OFFICE.
  - DEBRIS GUARDS TO BE INSTALLED ON ALL OPEN ENDED INLETS.
  - STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.
  - ALL BEEHIVE CASTINGS ON A 2'x2' BOX SHALL HAVE A SQUARE RISER WITH A ROUND HOLE.
  - THE HAMILTON COUNTY SURVEYORS OFFICE STANDARDS AND SPECIFICATIONS SHALL BE USED FOR THE LEGAL DRAIN TILE CONSTRUCTION.



**LEGEND**

	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL

← HCSO STANDARDS & CITY OF WESTFIELD      HCSO STANDARDS →



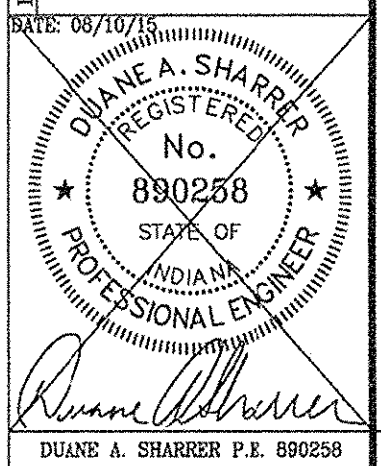
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 Entry Date: Mar 2016  
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 800 | 452 - 6408  
 317 | 843 - 0546 fax

**WEIHE ENGINEERS**  
 Land Surveying | Civil Engineering  
 Landscape Architecture

PROJECT NO.	0003
TITLE	5000 ID Onsite Storm Sewer
DESIGNED BY	RME/DLH
DRAWN BY	RME/DLH
CHECKED BY	JES
DATE	05/02/2014

REVISIONS AND ISSUES

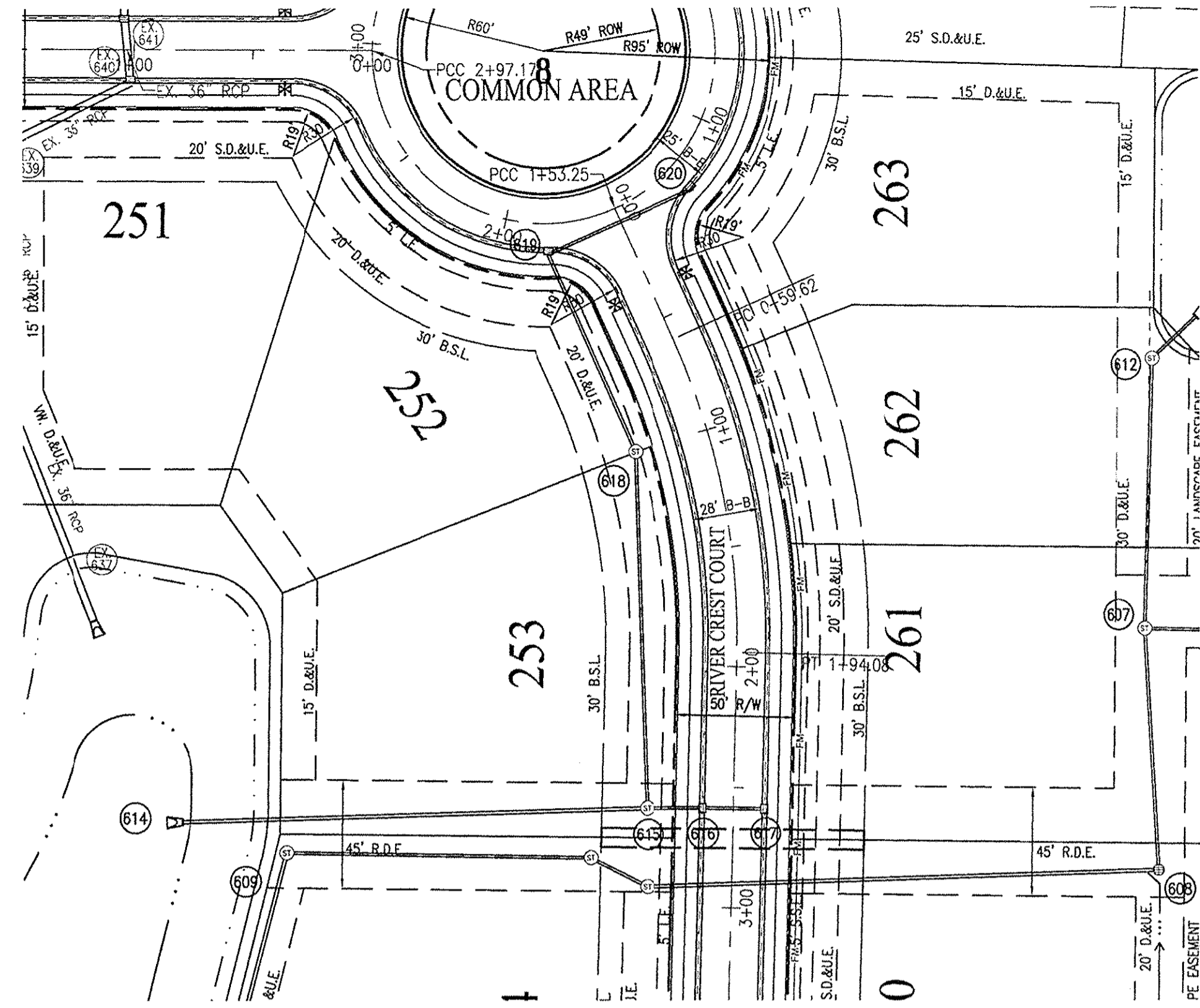


DUANE A. SHARRER P.E. 890258

PREPARED FOR:  
**BROOKSIDE SECTION 5C**  
 LANGSTON DEVELOPMENT COMPANY, INC.  
 LEGAL DRAIN ONSITE STORM SEWER PLAN & PROFILE

SHEET NO.  
**C600**  
 PROJECT NO.  
 W13-0083

LOCATION: H:\2013\W130083\Section 5C\Engineering\Design\Submittal\AB\Consent\AB\5000\_ID Onsite Storm Sewer.dwg  
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 CHECKED: JES  
 PLOTTED BY: SLM

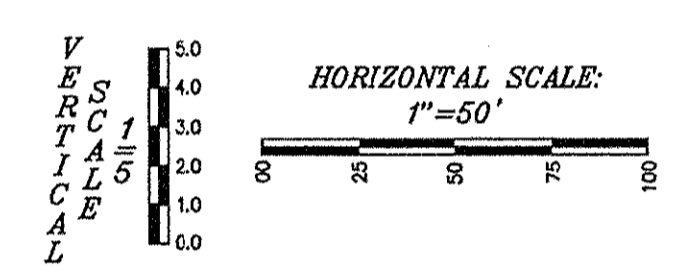
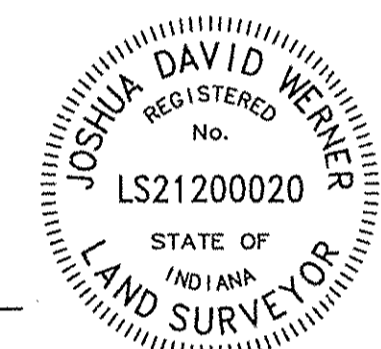


- NOTES:**
1. ALL STRUCTURES DEEPER THAN 4'-0" MUST BE ACCESSIBLE w/ STEPS.
  2. DEBRIS GUARDS TO BE INSTALLED ON ALL OPEN ENDED INLETS.
  3. STRUCTURES DEEPER THAN 4' MUST BE ACCESSIBLE WITH STEPS.
  4. ALL BEEHIVE CASTINGS ON A 2'x2' BOX SHALL HAVE A SQUARE RISER WITH A ROUND HOLE.

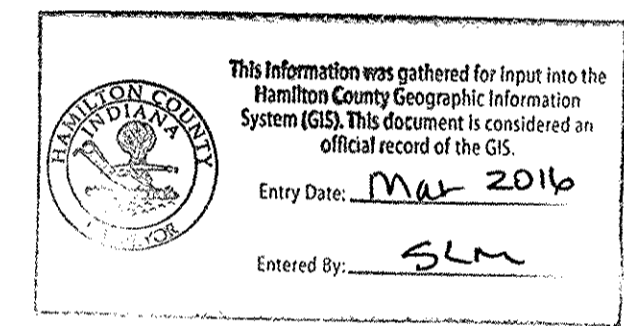
LEGEND	
	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL

**RECORD DRAWING**  
 STORM SEWER AS-BUILTS  
 STORM SEWER STRUCTURES ONLY  
 03/16/2016

JOSHUA DAVID WERNER, LS21200020



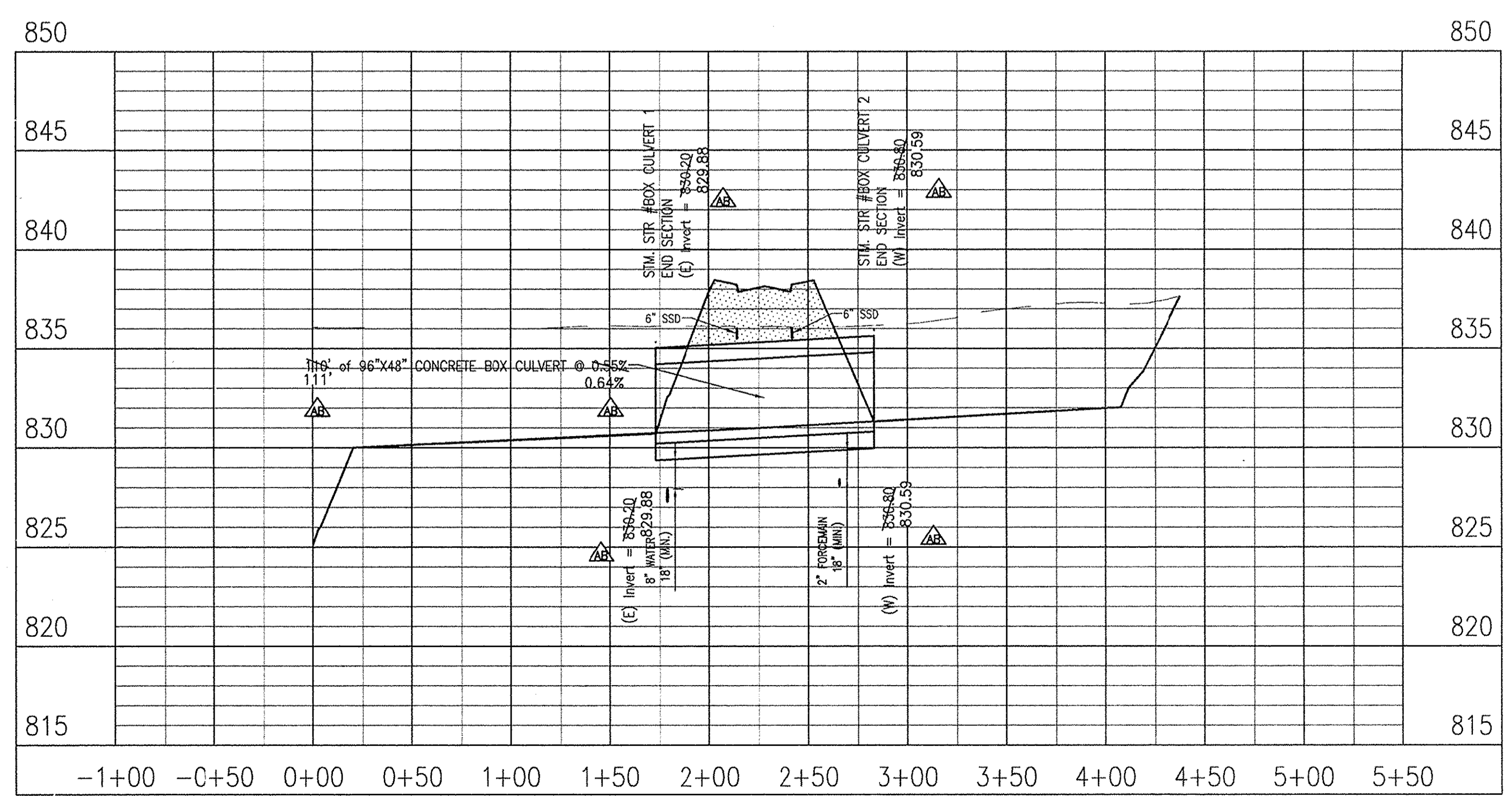
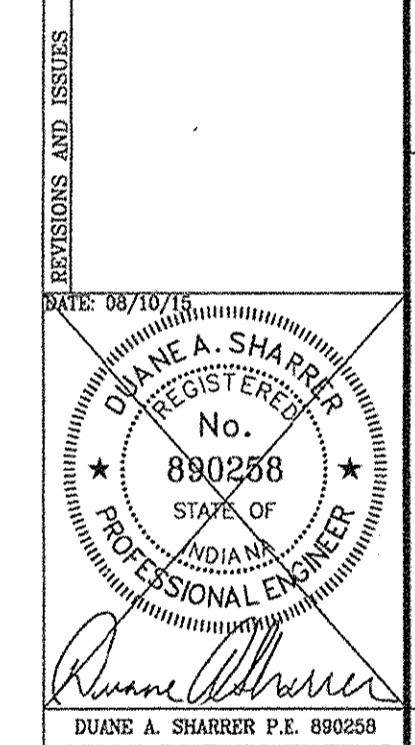
- ASBUILT INFORMATION
- BUILT AS PLANNED



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 ALLAN H. WEIHE, P.E. I.S. - FOUNDER

**WEIHE ENGINEERS**  
 Land Surveying | Civil Engineering  
 Landscape Architecture

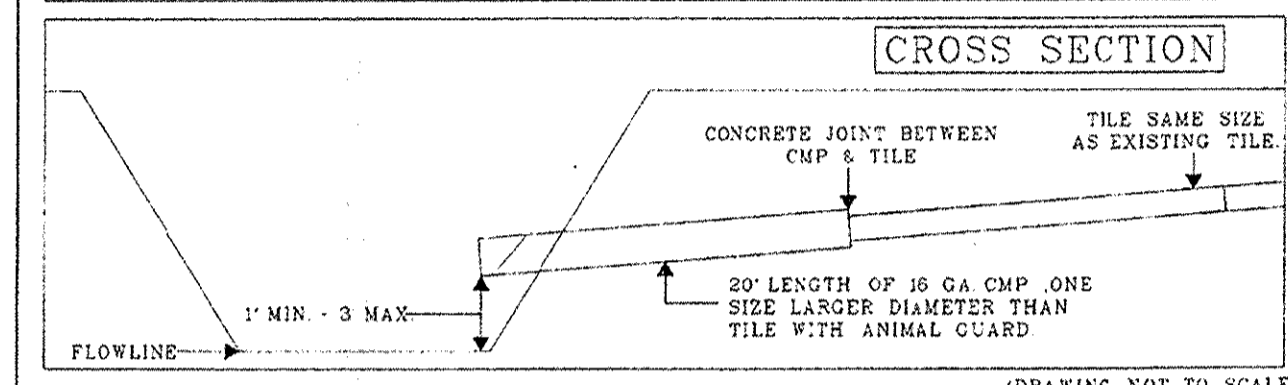
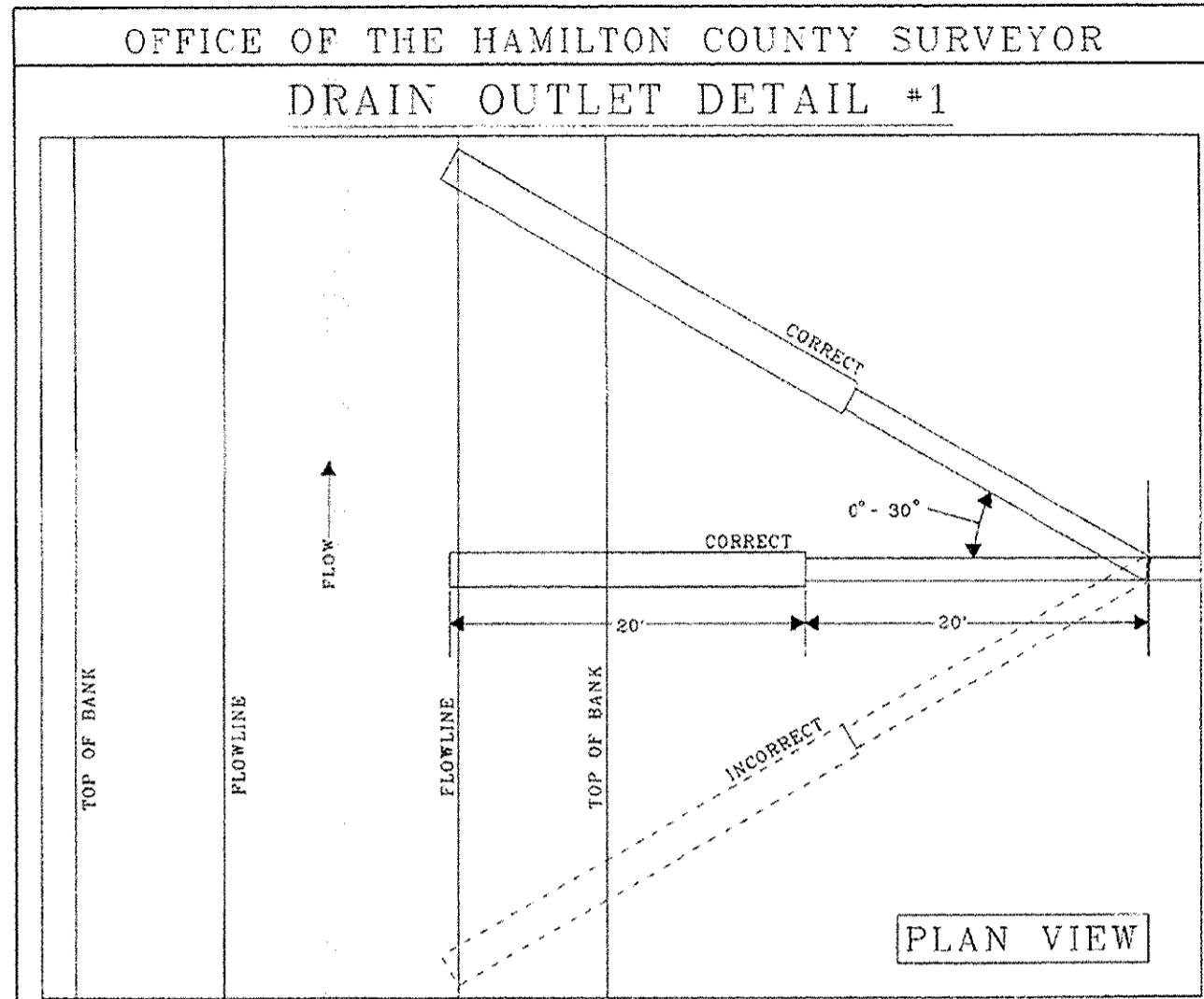
PROJECT NO.:	W13-0083
DATE:	05/02/2014
DESIGNED BY:	RME/DJH
DRAWN BY:	MEZ/DJH
CHECKED BY:	JES



PREPARED FOR:  
**BROOKSIDE SECTION 5C**  
 LANGSTON DEVELOPMENT COMPANY, INC.  
 STORM SEWER PLAN & PROFILE

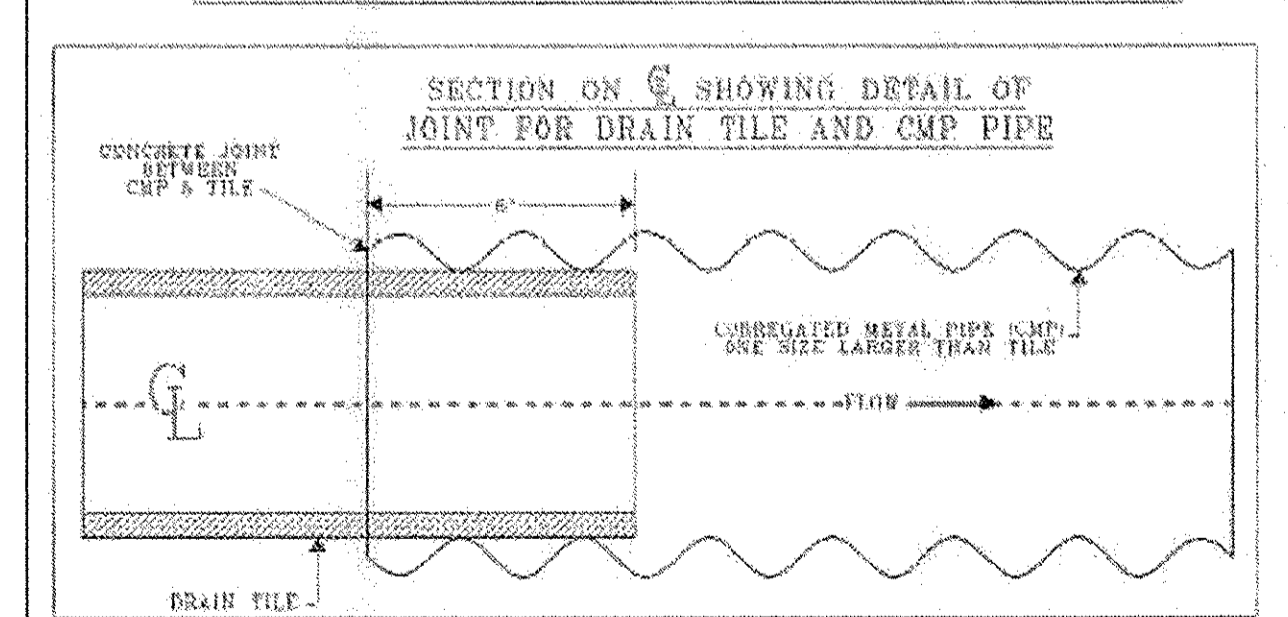
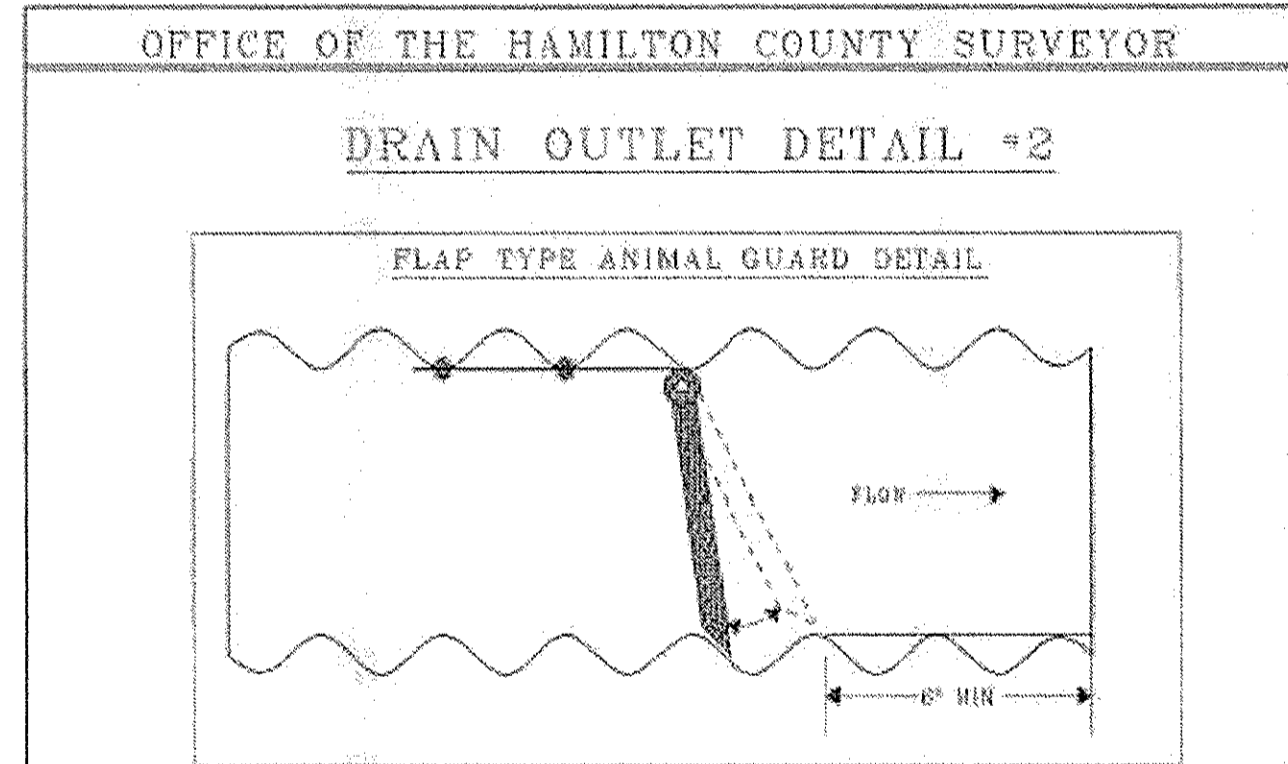
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**C606**

PROJECT NO.  
 W13-0083

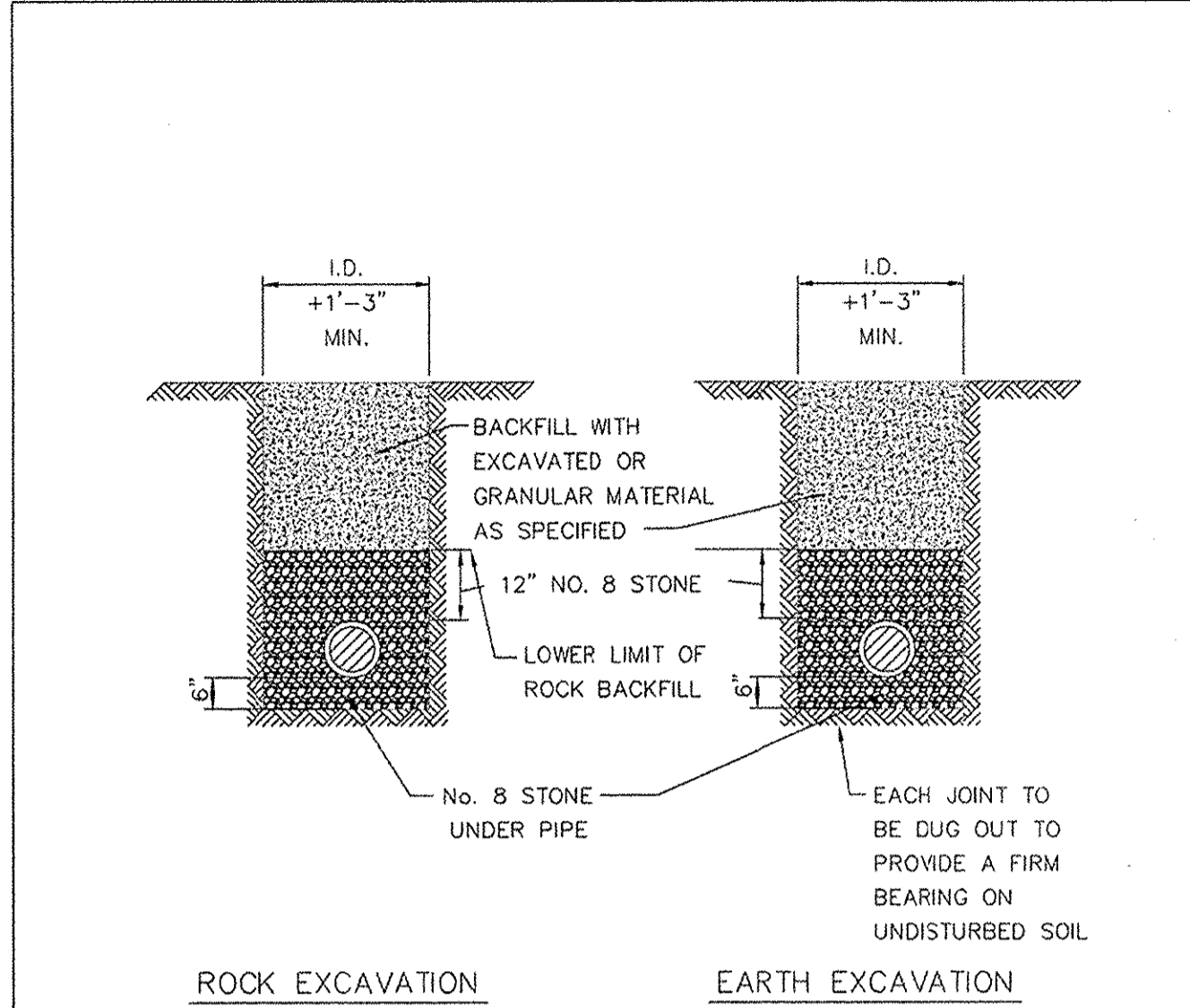


HAMILTON COUNTY SURVEYOR'S OFFICE  
 REVISED 1 JAN 2000  
 APPROVED: *[Signature]* 4 Jan 00 DATE 0-1  
 KENTON C. VARD HAMILTON COUNTY SURVEYOR

NOTE: DRAIN OUTLET DETAIL #1 AND DRAIN OUTLET DETAIL #2 SHALL BE USED FOR LEGAL DRAIN TILE ONLY.

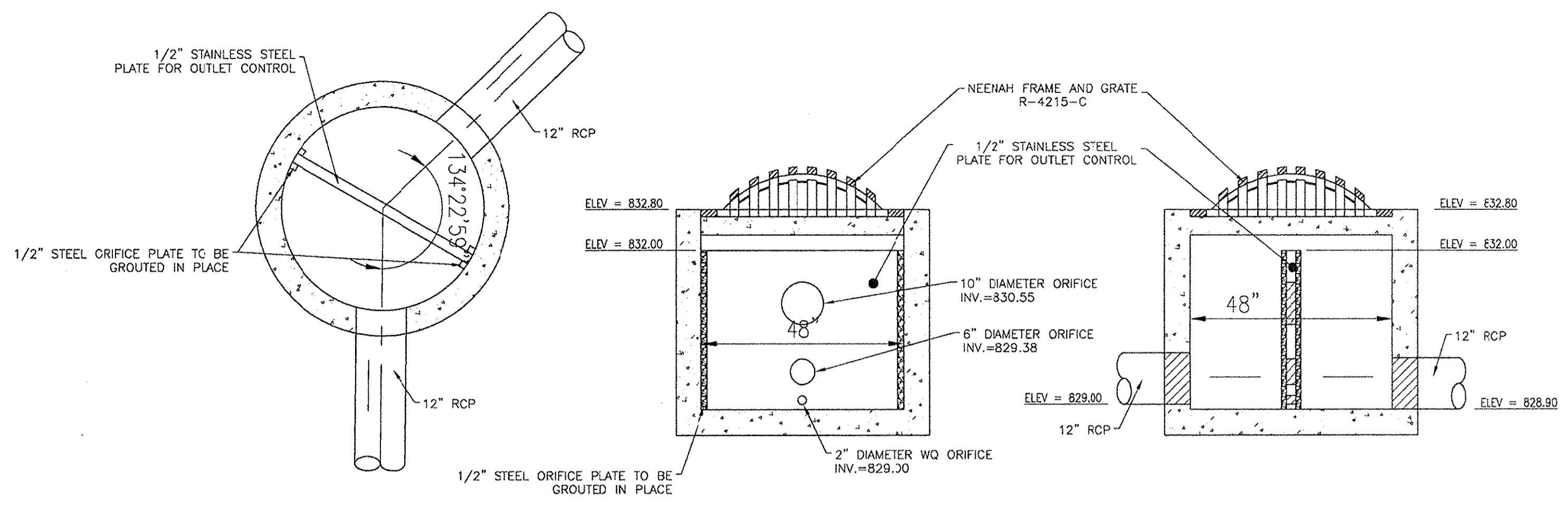
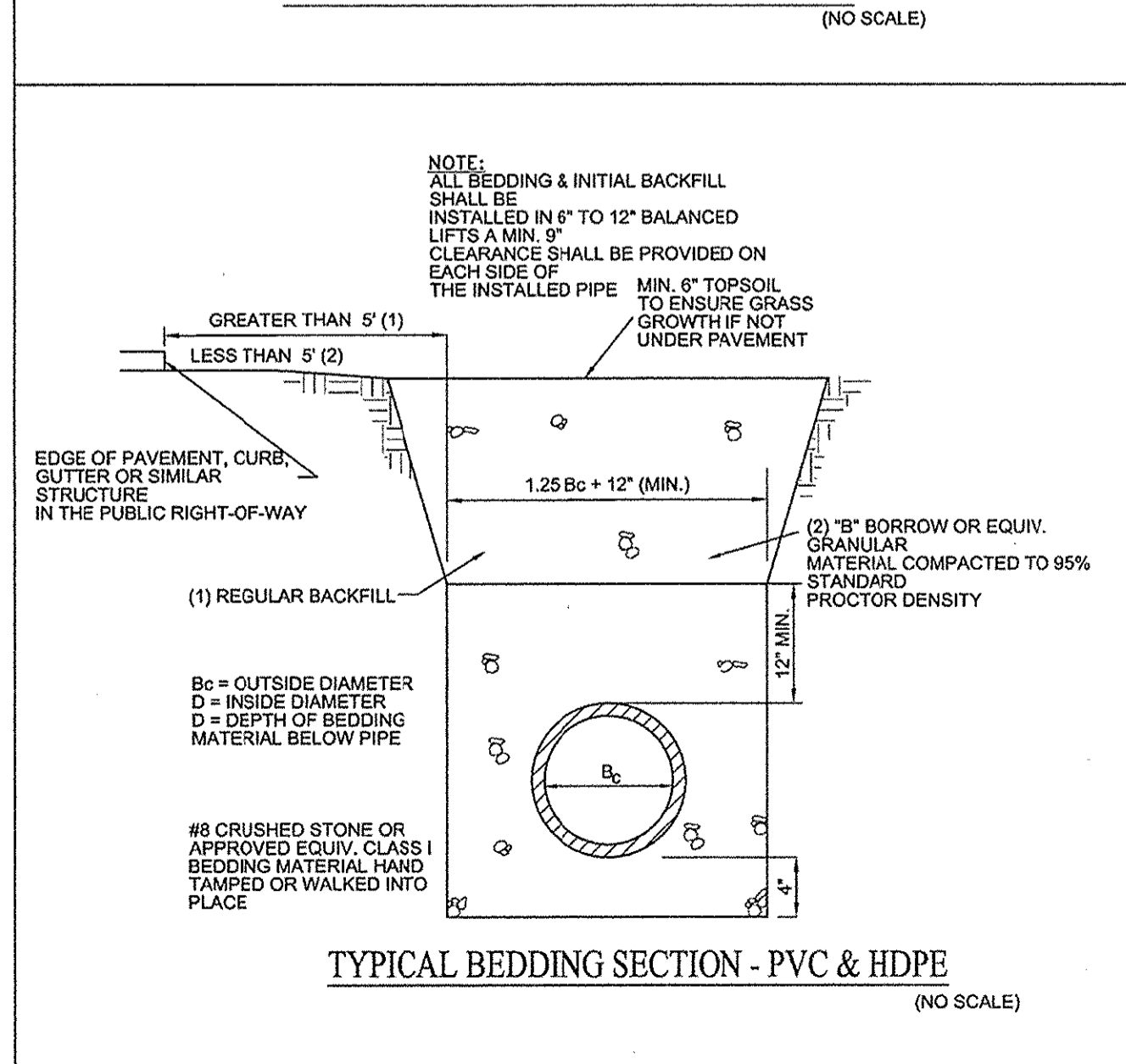
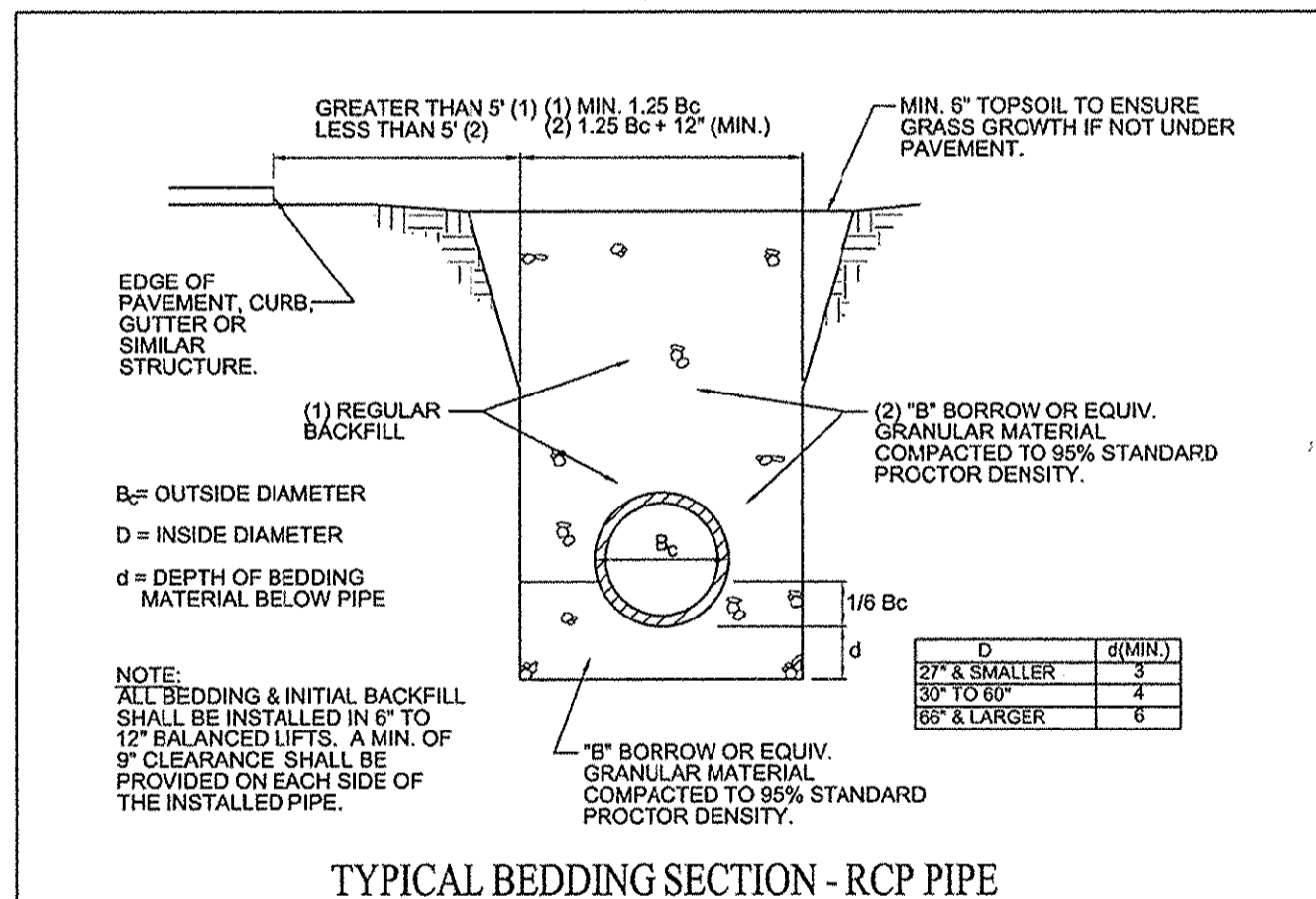


HAMILTON COUNTY SURVEYOR'S OFFICE  
 REVISED 1 JAN 2000  
 APPROVED: *[Signature]* 4 Jan 00 DATE 0-2  
 KENTON C. VARD HAMILTON COUNTY SURVEYOR

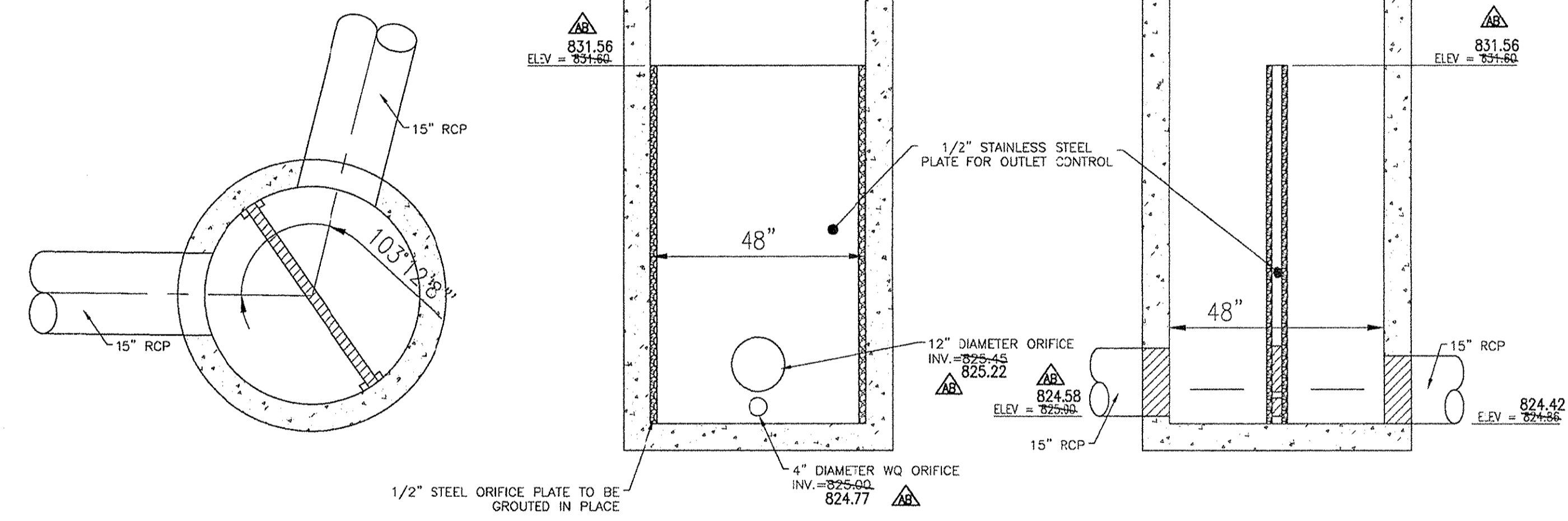


NOTES:  
 THIS DETAIL SHALL APPLY TO ALL SANITARY SEWER PIPE  
 ALL STONE TO BE INDOT CLASS 1 STONE

SEWER PIPE BEDDING DETAIL  
 CITY OF WESTFIELD, INDIANA  
 APPROVED: *[Signature]* 4/1/13 DATE  
 WESTFIELD INDIANA



RESTRICTOR PLATE INSTALLATION DETAIL  
 OUTLET SPECIAL STRUCTURE POND "3" (STR. NO. 612)  
 (NO SCALE)



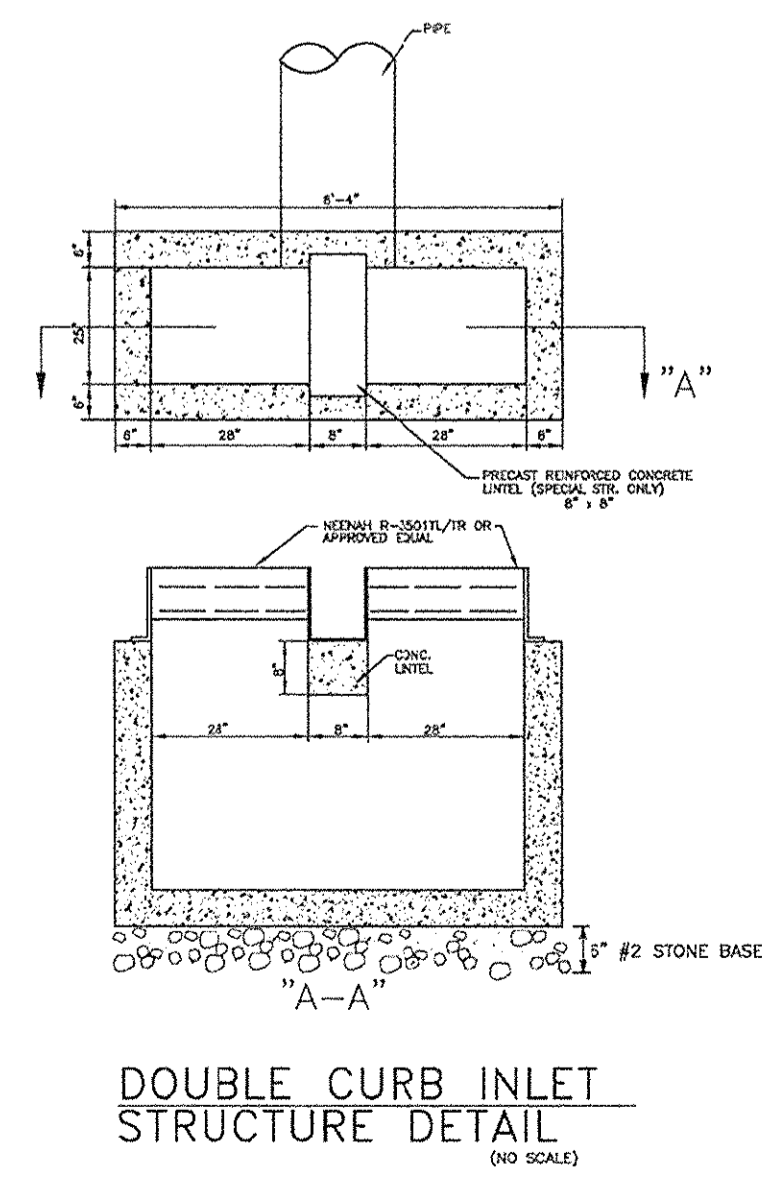
RESTRICTOR PLATE INSTALLATION DETAIL  
 OUTLET SPECIAL STRUCTURE POND "4" (STR. NO. 610)  
 (NO SCALE)

RECORD DRAWING  
 STORM SEWER AS-BUILTS  
 STORM SEWER STRUCTURES ONLY  
 03/16/2016  
 JOSHUA DAVID WERNER, LS21200020

JOSHUA DAVID WERNER  
 REGISTERED  
 No. LS21200020  
 STATE OF INDIANA  
 LAND SURVEYOR

AS-BUILT INFORMATION  
 BUILT AS PLANNED

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DOUBLE CURB INLET STRUCTURE DETAIL  
 (NO SCALE)

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 ALLAN H. WEIHE, P.E., L.S., FOUNDER

WEIHE ENGINEERS  
 Land Surveying | Civil Engineering  
 Landscape Architecture

PROJECT NO.:  
 DRG NAME:  
 DESIGNED BY:  
 DRAWN BY:  
 CHECKED BY:  
 DATE:

DATE: 05/20/2016

DIANE A. SHARRER  
 REGISTERED  
 No. 890258  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 DUANE A. SHARRER, P.E. 890258

BROOKSIDE SECTION 5C  
 LANGSTON DEVELOPMENT COMPANY, INC.  
 STORM SEWER DETAILS

SHEET NO. C610  
 PROJECT NO. W13-0083

Location: H:\Projects\W13\0083\Station 5C\Engineering\Drawings\W13-0083 Storm Sewer Details.dwg  
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