

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

August 1, 2008

TO: Hamilton County Drainage Board

RE: Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm

Attached is a petition filed by Platinum Properties, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for The Sanctuary at 116th Street Section 4 Arm, Long Branch Drain to be located in Clay Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" SSD	7,468 ft.	24" RCP	288 ft.
12" RCP	431 ft.	30" RCP	329 ft.
15" RCP	255 ft.	36" RCP	372 ft.
18" RCP	1,104 ft.		

The total length of the drain will be 10,247 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines, which are located within the easement (right of way), are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows:

- Rear yard lots 125-126 from Str. 4719
- Common area Block W from Str. 2727
- Rear yard lot 155 from Str. 2731
- Rear yard lots 149-150 from Str. 2708
- Rear yard lots 147-148 from Str. 2708
- Rear yard lots 114 from Str. 4705
- Rear yard lots 115 from Str. 4705
- Rear yard lot 116 from Str. 4704
- Rear yard lots 117-118 from Str. 4704
- Rear yard lots 118-119 from Str. 4703
- Rear yard lots 120 from Str. 4703

Rear yard lot 121 from Str. 4702
Rear yard lot 124 from Str. 4702
Rear yard lot 126 from Str. 4714
Rear yard lot 134 from Str. 4714
Rear yard lot 133 from Str. 4713
Rear yard lots 130-132 from Str. 4713
Rear yard lots 137-138 from Str. 4718
Rear yard lots 138-139 from Str. 4721
Rear yard lot 140 from Str. 4721
Rear yard lots 141-142 from Str. 4722
Rear yard lots 143-146 from Str. 1737

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$10.00 per acre for common areas and platted lots, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,471.70 for Section 4A and \$1,802.10 for Section 4B.

The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of a Performance Bond are as follows:

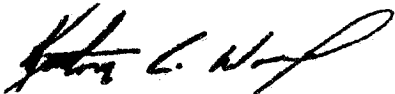
Agent: Bond Safeguard
Date: April 16, 2008
Number: 5033247
For: Storm Sewers
Amount: \$85,112.00

Agent: Bond Safeguard
Date: April 15, 2008
Number: 5033250
For: Sub-Surface Drain
Amount \$13,148.00

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the two attached non-enforcement requests. The requests are for the reduction of the regulated drain easement to those easement widths as shown on the secondary plats for The Sanctuary at 116th Street, Section 4A & 4B as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 22, 2008



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
% Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, IN. 46060-2230

In the matter of Sanctuary at 116th Street Subdivision, Section
Four Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Sanctuary at 116th Street, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

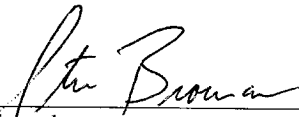
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

RECORDED OWNER(S) OF LAND INVOLVED



Signed

Steve Broermann

Printed Name

8-16-07

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm** on **September 22, 2008** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made 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

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **September 22, 2008** has issued an order adopting, the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

FINDINGS AND ORDER

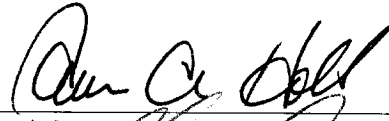
CONCERNING THE MAINTENANCE OF THE

Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm

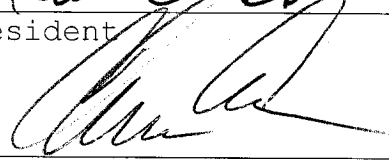
On this **22nd day of September 2008**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Long Branch Drain, The Sanctuary at 116th Street Section 4 Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

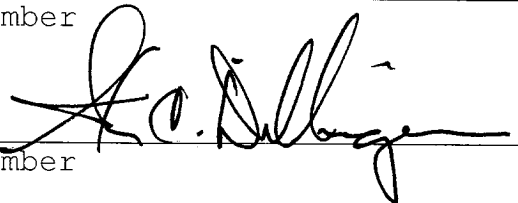
HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest: 

WEIHE
ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture
Build with confidence.

February 29, 2008

Hamilton County Surveyor's Office
One Hamilton County Square
Suite 188
Noblesville, Indiana 46060

Attention: Kent Ward

Re: Sanctuary at 116th St., Section 4A

Dear Mr. Ward:

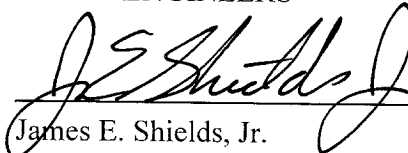
On behalf of the developer Platinum Properties, L.L.C., I wish to submit the following Engineer's Estimate for Sanctuary at 116th St., Section 4A. The estimate is as follows:

Storm Sewer	\$70,927.00
Sub Surface Drains	\$10,957.00
Monumentation	\$5,500.00

If you have any questions regarding these estimates, please contact Edward E. Fleming at (317) 846-6611.

Very truly yours,

WEIHE ENGINEERS



James E. Shields, Jr.
Professional Engineer

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Sanctuary at 116th Street - Section 1, 2A, 4A.
Storm As-builts
4455 W. 121st Street, Carmel IN

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: 8/5/09

Type or Print Name: James E. Shields Jr.

Business Address: 10505 N. College Ave.
Indianapolis, IN 46280

Telephone Number: 317-846-6611



INDIANA REGISTRATION NUMBER

PE 10201333



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

January 29, 2010

Re: Long Branch Drain: Sanctuary at 116th Street Section 4A

Attached are as-builts, certificate of completion & compliance, and other information for Sanctuary at 116th Street Section 4A. 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 August 1, 2008. The report was approved by the Board at the hearing held September 22, 2008. (See Drainage Board Minutes Book 11, Pages 320-321) The changes are as follows:

The drain is now being built in two phases due to current economic conditions. So the final reports for this drain will be written in two parts as well. This report is for section 4A.

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes:
4714-4713	118	18	RCP	902.03	901.76	0.23	-3
4713-4712	182	18	RCP	901.76	901.11	0.36	2
4712-1727	120	18	RCP	901.11	900.09	0.85	-5
4715-4716	24	12	RCP	904.25	903.38	3.63	-5
4716-4717	53	15	RCP	903.28	902.91	0.7	-3
4717-4718	103	18	RCP	902.81	902.47	0.33	-4
4718-4721	265	18	RCP	902.37	902.04	0.41	-5
4721-4722	223	18	RCP	901.94	901.66	0.41	-4
4722-1729	69	18	RCP	901.56	901.03	0.77	-4
4718B-4718A	22	12	RCP	902.9	902.82	0.36	-4
4718A-4718	27	12	RCP	902.72	902.47	0.93	-3
4702-4701	140	36	RCP	900.03	899.19	0.6	-3
4701-1737	232	36	RCP	899.19	898.89	0.13	-5
4719-4702	176	30	RCP	900.23	900.03	0.11	-2
4710-4709	75	12	RCP	903.68	902.87	1.08	
4709-4708	65	12	RCP	902.87	902.1	1.19	-6
4711-4708	24	12	RCP	902.85	902.1	3.13	
4708-4701	61	15	RCP	902.1	899.19	2.21	-5
1729-1728	113	18	RCP	901.03	900.75	0.25	-6

RCP Pipe Totals:

12	237
15	114
18	1193
30	176
36	372

Total: 2092

SSD Totals:

Streets	2114
Lots	1261

Total: 3375

The length of the drain due to the changes described above is now **5467 feet**. It should be noted that the 15" RCP between structures 1729-1728 installed with section 1 was replaced with 18" RCP with this section.

The non-enforcement was approved by the Board at its meeting on September 22, 2008 and recorded under instrument # 2009049899.

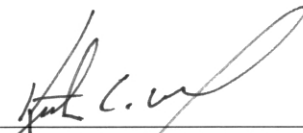
The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its August 10, 2009 meeting.

Bond-LC No: 5033247
Insured For: Storm Sewers
Amount: \$85,112.00
Issue Date: April 16, 2008

Bond-LC No: 5033250
Insured For: SSD
Amount: \$13,148.00
Issue Date: April 16, 2008

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

Sincerely,



 Kenton C. Ward, CFM
 Hamilton County Surveyor

KCW/slm

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, VERBALLY 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.
- IN ADDITION, EXCAVATION 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.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- 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 #1800081 0205 F, DATED FEBRUARY 19, 2003.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- THIS SITE DOES NOT CONTAIN ANY WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, CARMEL, IN, NATIONAL WETLANDS INVENTORY MAP DATED 1990.

CONSTRUCTION PLANS FOR SANCTUARY AT 116TH STREET SECTION FOUR A & B

4455 W. 121st STREET
CARMEL, IN

SHEET INDEX

SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C101	SITE PREPARATION / DEMOLITION PLAN
C102	SITE PLAN
C103	SITE GRADING PLAN
C104	UTILITY PLAN
C201-203	STREET PLAN & PROFILE SHEETS
C204-205	STREET DETAIL
C206	CARMEL PAVING & CURB POLICY
C301-303.303 A	STORM SEWER PLAN & PROFILE SHEETS
C304-306	STORM SEWER DETAIL SHEET
C307-C308	WATER QUALITY BIOSTRIP DETAIL SHEET
C401-403	SANITARY SEWER PLAN & PROFILE SHEETS
C404-405	SANITARY SEWER DETAILS & SPECIFICATIONS
C501-504	EROSION CONTROL PLAN & DETAIL SHEETS
C601	TRAFFIC CONTROL PLAN
C602	INTERSECTION DETAILS
C701	WATER MAIN PLAN
C702	WATER MAIN DETAIL SHEET

BENCHMARK INFORMATION

BM 800 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE; 0.2 MILE EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421, AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION, AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION; SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND; A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLE, STAMPED "800 54 1989".
ELEV.: 901.14 FEET (1929 DATUM)
ELEV.: 900.76 FEET (1988 DATUM)

PLANS PREPARED FOR:
PLATINUM PROPERTIES
9757 WESTPOINT DRIVE, SUITE 600
INDIANAPOLIS, IN 46256
(317) 863-2061 PHONE
(317) 290-4379 FAX
CONTACT PERSON: STEVE BROERMANN

PLANS PREPARED BY:
WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
(317) 846-8819 PHONE
(317) 849-0546 FAX
CONTACT PERSON:
JIM SHIELDS - PROJECT MANAGER
EMAIL: SHIELDS@WEIHE.NET
BRADY KUHN - SURVEYOR
EMAIL: KUHN@WEIHE.NET

LEGAL DESCRIPTION

PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 18 NORTH, RANGE 3 EAST OF THE SECOND PRINCIPAL MERIDIAN, HAMILTON COUNTY, INDIANA, DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE ALONG THE WEST LINE THEREOF SOUTH 00 DEGREES 00 MINUTES 35 SECONDS WEST (ASSUMED BASIS OF BEARINGS) XXX FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID WEST LINE SOUTH 00 DEGREES 00 MINUTES 35 SECONDS WEST 544.81 FEET TO THE NORTHEASTLY CORNER OF THE SANCTUARY AT 116TH STREET SECTION ONE AS PER PLAT THEREOF RECORDED AS INSTRUMENT NO. XX-XXXXX IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA; THENCE THE FOLLOWING COURSES (1) COURSES ALONG THE NORTHERLY LINE OF SAID SANCTUARY AT 116TH STREET SECTION ONE: (1) THENCE NORTH 85 DEGREES 27 MINUTES 01 SECOND EAST 238.85 FEET; (2) THENCE NORTH 48 DEGREES 24 MINUTES 10 SECONDS EAST 85.29 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE NORTHEASTERLY THE RADIUS OF WHICH BEARS NORTH 48 DEGREES 24 MINUTES 10 SECONDS EAST 479.02 FEET; (3) THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 03 DEGREES 45 MINUTES 55 SECONDS 47.92 FEET; (4) THENCE SOUTH 47 DEGREES 19 MINUTES 45 SECONDS EAST 36.35 FEET; (5) THENCE NORTH 42 DEGREES 31 MINUTES 31 SECONDS EAST 28.00 FEET; (6) THENCE SOUTH 47 DEGREES 19 MINUTES 45 SECONDS EAST 5.46 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHEASTERLY THE RADIUS OF WHICH BEARS NORTH 42 DEGREES 31 MINUTES 31 SECONDS EAST 11.00 FEET; (7) THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 93 DEGREES 48 MINUTES 21 SECONDS 18.01 FEET TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE SOUTHEASTERLY THE RADIUS OF WHICH BEARS SOUTH 51 DEGREES 08 MINUTES 05 SECONDS EAST 29.00 FEET; (8) THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 03 DEGREES 45 MINUTES 55 SECONDS 47.92 FEET; (9) THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 03 DEGREES 45 MINUTES 55 SECONDS 47.92 FEET; (10) THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15 DEGREES 38 MINUTES 36 SECONDS 28.94 FEET; (11) THENCE SOUTH 47 DEGREES 19 MINUTES 45 SECONDS EAST 9.08 FEET; (12) THENCE SOUTH 31 DEGREES 41 MINUTES 09 SECONDS EAST 58.00 FEET; (13) THENCE NORTH 51 DEGREES 18 MINUTES 51 SECONDS EAST 150.45 FEET; (14) THENCE SOUTH 31 DEGREES 41 MINUTES 09 SECONDS EAST 116.00 FEET TO WESTERLY LINE OF THE SANCTUARY AT 116TH STREET SECTION TWO AS PER PLAT THEREOF RECORDED AS INSTRUMENT NO. XX-XXXXX IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA; THENCE THE FOLLOWING COURSES ALONG THE WESTERLY LINE OF SAID SANCTUARY AT 116TH STREET SECTION TWO: (1) THENCE NORTH 58 DEGREES 18 MINUTES 51 SECONDS EAST 142.34 FEET; (2) THENCE SOUTH 60 DEGREES 43 MINUTES 34 SECONDS EAST 124.99 FEET; (3) THENCE NORTH 79 DEGREES 19 MINUTES 56 SECONDS EAST 108.37 FEET; (4) THENCE NORTH 47 DEGREES 39 MINUTES 39 SECONDS EAST 133.13 FEET; (5) THENCE NORTH 10 DEGREES 05 DEGREES 47 MINUTES 48 SECONDS EAST 78.96 FEET; (6) THENCE NORTH 15 DEGREES 05 DEGREES 47 MINUTES 48 SECONDS EAST 78.96 FEET; (7) THENCE NORTH 48 DEGREES 45 MINUTES 17 SECONDS WEST 111.79 FEET; (8) THENCE NORTH 10 DEGREES 19 MINUTES 43 SECONDS WEST 92.98 FEET; (9) THENCE NORTH 00 DEGREES 03 MINUTES 23 SECONDS WEST 298.33 FEET; (10) THENCE SOUTH 89 DEGREES 56 MINUTES 37 SECONDS WEST 9.07 FEET; (11) NORTH 00 DEGREES 03 MINUTES 23 SECONDS WEST 178.88 FEET; (12) THENCE SOUTH 89 DEGREES 56 MINUTES 37 SECONDS WEST 9.07 FEET; (13) THENCE CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY SOUTH 89 DEGREES 56 MINUTES 37 SECONDS WEST 236.77 FEET; (14) THENCE CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY SOUTH 89 DEGREES 56 MINUTES 37 SECONDS WEST 40.71 FEET; THENCE SOUTH 00 DEGREES 03 MINUTES 23 SECONDS EAST 250.05 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEASTERLY THE RADIUS OF WHICH BEARS SOUTH 00 DEGREES 03 MINUTES 23 SECONDS EAST 771.00 FEET; THENCE EASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00 DEGREES 09 MINUTES 23 SECONDS 2.21 FEET; THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00 DEGREES 09 MINUTES 23 SECONDS 2.21 FEET; THENCE SOUTH 79 DEGREES 19 MINUTES 45 SECONDS EAST 231.00 FEET; THENCE SOUTH 25 DEGREES 51 MINUTES 57 SECONDS WEST 151.86 FEET; THENCE SOUTH 71 DEGREES 59 MINUTES 57 SECONDS WEST 151.20 FEET; THENCE NORTH 42 DEGREES 46 MINUTES 03 SECONDS WEST 178.97 FEET; THENCE SOUTH 79 DEGREES 19 MINUTES 45 SECONDS WEST 128.14 FEET; THENCE SOUTH 32 DEGREES 19 MINUTES 36 SECONDS WEST 108.49 FEET; THENCE NORTH 76 DEGREES 31 SECONDS WEST 128.14 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 23 SECONDS WEST 178.97 FEET; THENCE NORTH 76 DEGREES 31 SECONDS WEST 128.14 FEET; THENCE SOUTH 32 DEGREES 19 MINUTES 36 SECONDS WEST 108.49 FEET; THENCE NORTH 76 DEGREES 31 SECONDS WEST 128.14 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 23 SECONDS WEST 178.97 FEET; THENCE NORTH 76 DEGREES 31 SECONDS WEST 128.14 FEET; THENCE SOUTH 32 DEGREES 19 MINUTES 36 SECONDS WEST 108.49 FEET; THENCE NORTH 76 DEGREES 31 SECONDS WEST 128.14 FEET; CONTAINING 14.67 ACRES, MORE OR LESS.

OPERATING AUTHORITIES:

CITY OF CARMEL FIRE DEPARTMENT
TWO CIVIC SQUARE
CARMEL, INDIANA 46032
GARY HOYT
317/571-2600

CITY OF CARMEL ONE CIVIC SQUARE
CARMEL, INDIANA 46032
PLANNING DIRECTOR: MATT GRIFFIN
317/571-2417
DEPT. OF ENGINEERING: DICK HILL
317/571-2441
ASST. BUILDING COMMISSIONER: JIM BLANCHARD
317/571-2444

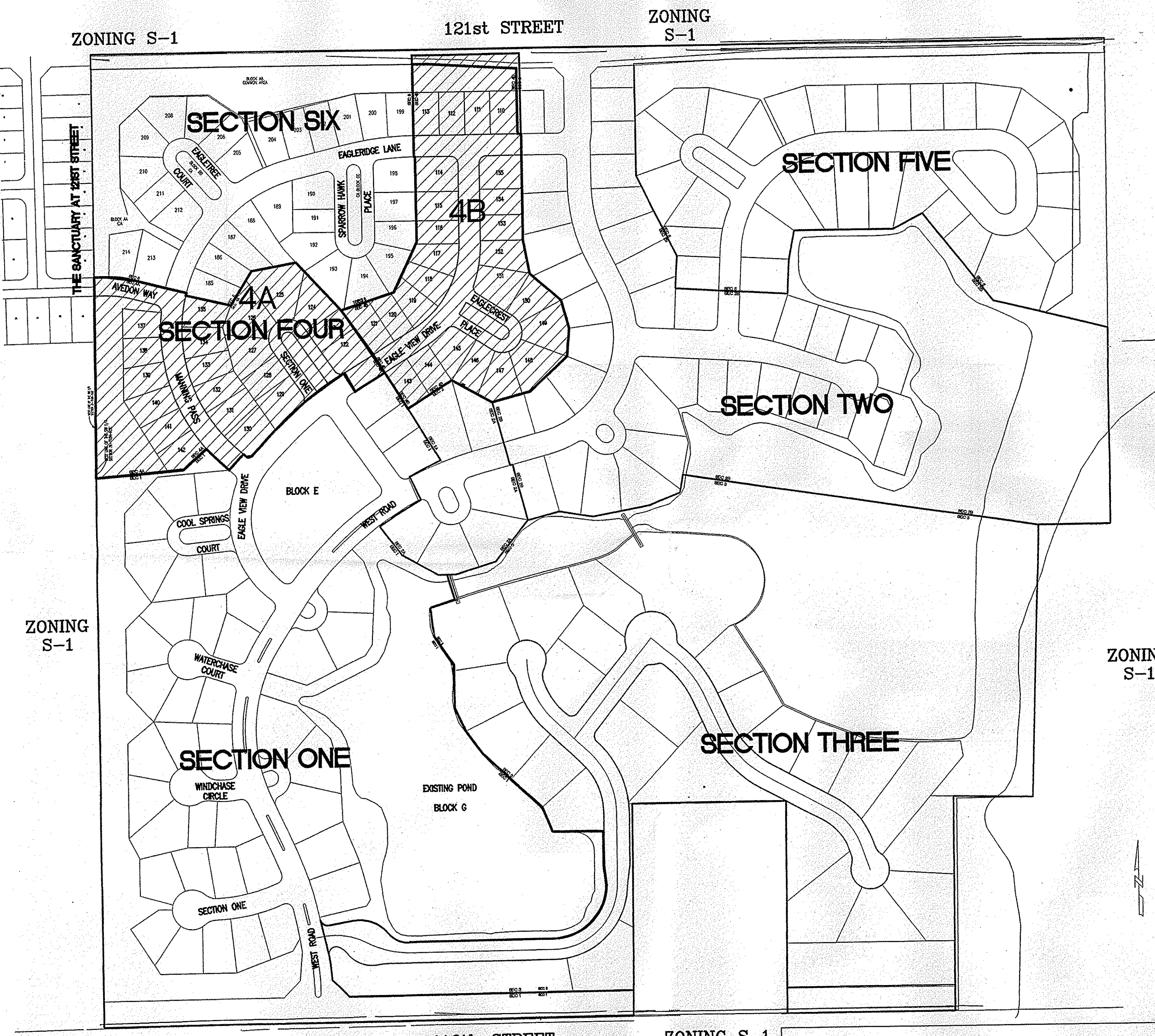
VECTREN
P.O. BOX 1700
NOBLESVILLE, INDIANA 46061-1700
CHUCK WILSON
317/776-5535

CITY OF CARMEL WATER DEPARTMENT
130 1ST AVENUE S.W.
CARMEL, INDIANA 46032
PAUL PAGE
317/571-2442

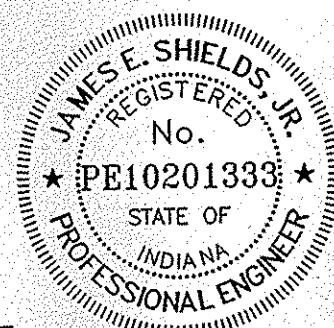
HAMILTON COUNTY SURVEYOR'S OFFICE
ONE HAMILTON SQUARE, SUITE 188
HAMILTON COUNTY JUDICIAL CENTER
NOBLESVILLE, INDIANA 46060
GREG HOYES
317/776-8495

CLAY TOWNSHIP REGIONAL WASTE DISTRICT
10701 N. COLLEGE AVE., SUITE A
INDIANAPOLIS, INDIANA 46280
RYAN HARTMAN
317/844-9200

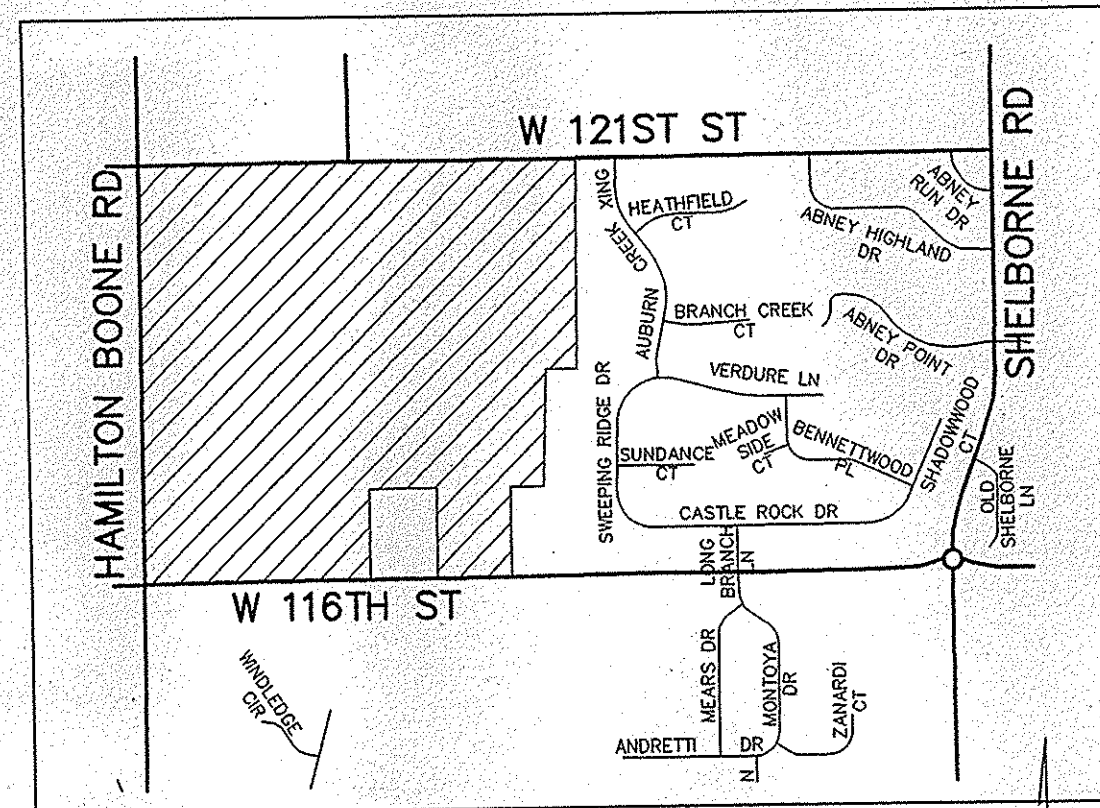
AT&T
5858 NORTH COLLEGE
INDIANAPOLIS, INDIANA 46220
JEFF RICE
317/252-4274



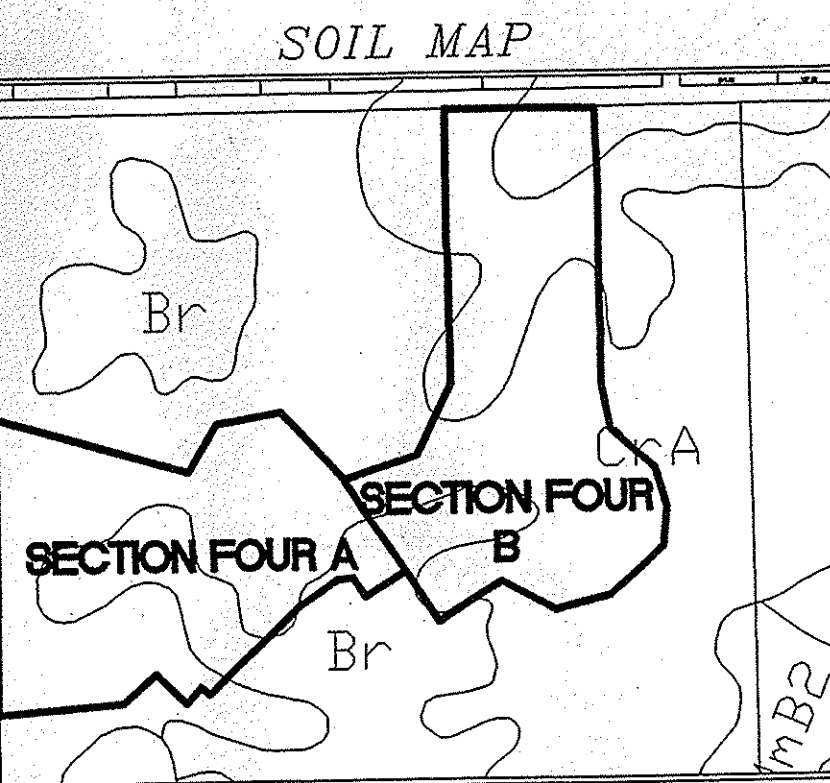
**SECTION 4A ONLY
RECORD DRAWING**
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
1/5/08
JAMES E. SHIELDS, JR. P.E. 10201333



Plan Certification Note:
Site Plan drawings and site topographic drawings were prepared by Cripe Architects and Engineers and The Schneider Corporation for Indiana Land Development Corporation.
Final drawings were prepared by Weihe Engineers, Inc. and James E. Shields, Jr. Final construction plans are those plans containing a final revision date after 03/02/07. Weihe Engineers, Inc. and James E. Shields, Jr. accept full responsibility for all engineering work in these plans.



SITE LOCATION MAP



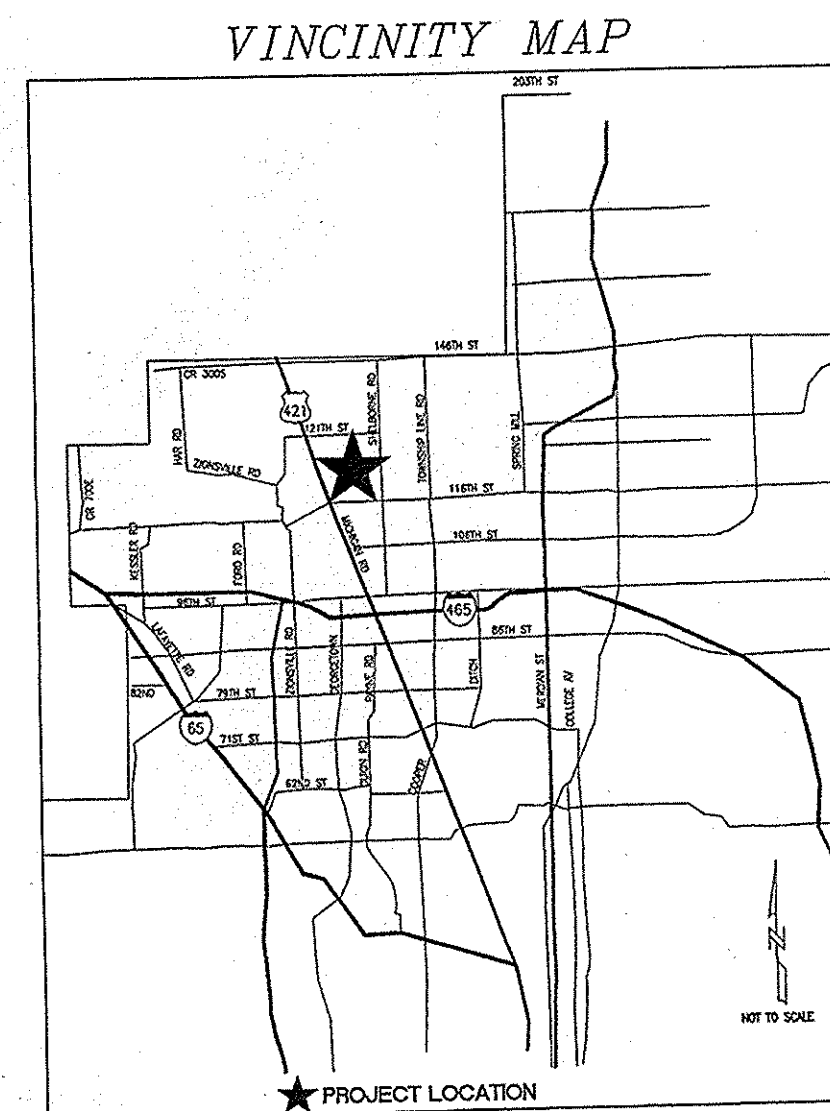
SOIL MAP



HOLEY MOLEY SAYS
"DIG SAFELY"
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC 8-1-26.
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

SITE DESIGN:
ACRES 14.6745
LOTS 45
UNITS / ACRE 3.06
CURRENT ZONING S-1
DESIGN SPEED 30mph

STREETS:
EAGLEVIEW DRIVE 798.60
EAGLECRUN WAY 425.20
EAGLECREST PLACE 410.49
MANNING PASS 520.93
AVEDON WAY 222.65
TOTAL: 2377.87



VICINITY MAP

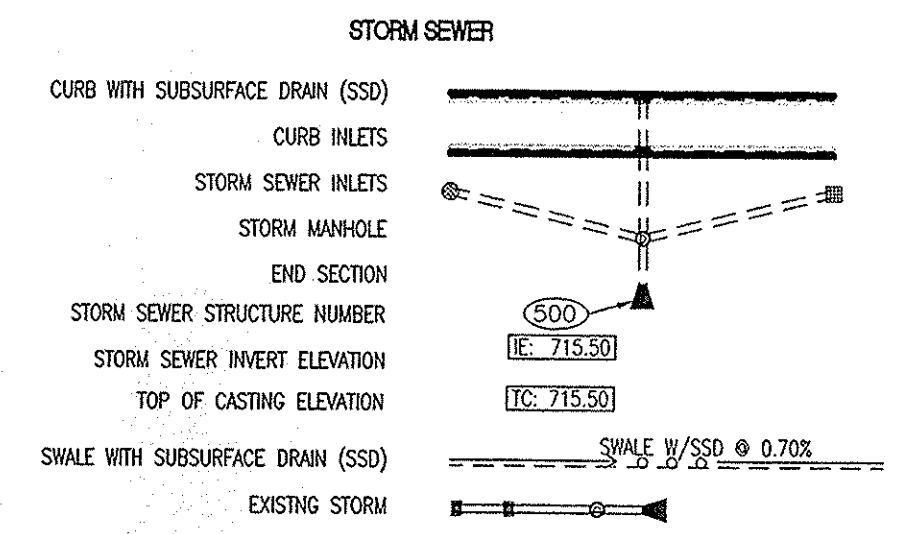
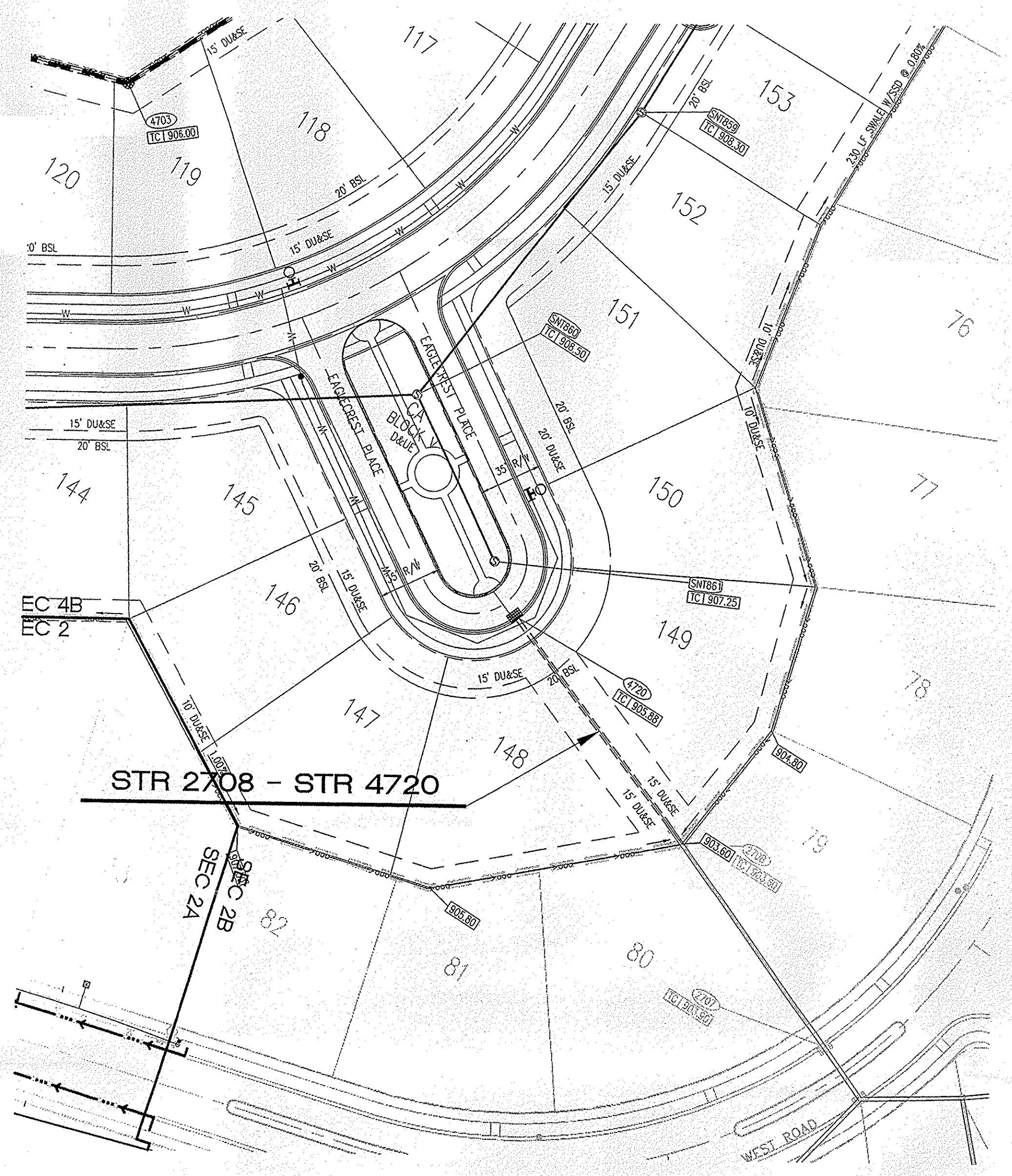
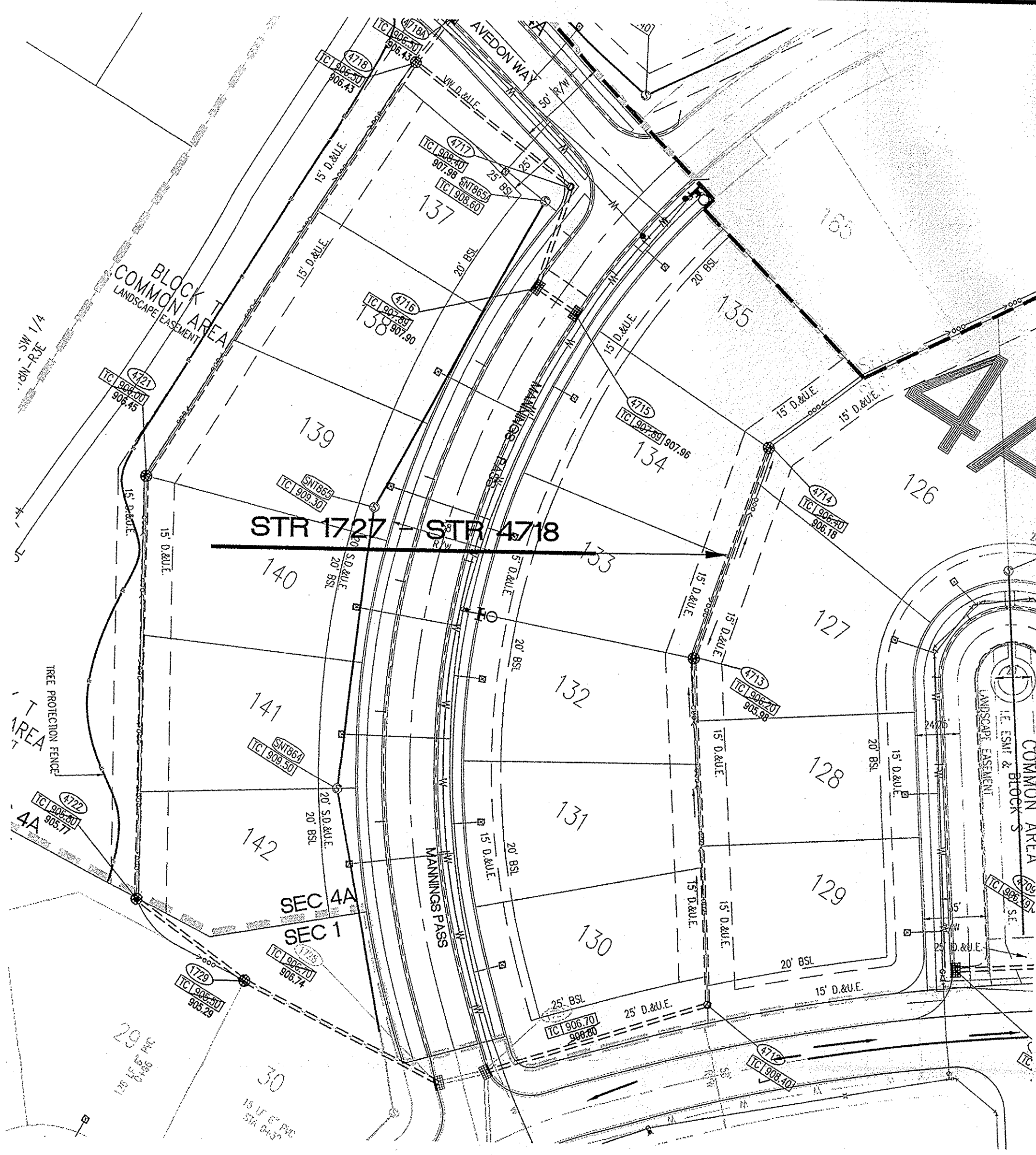
WEIHE ENGINEERS INC.
317.846.6611
317.843.0546
FAX 317.843.0546
TOLL FREE 800.452.6408
10505 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
WWW.WEIHE.NET
ALLAN WEIHE, P.E. I.S. - PRESIDENT
CIVIL ENGINEERS LAND SURVEYORS LANDSCAPE ARCHITECTS

PROJECT NO. W06-0883
DATE: 3-2-07
BY: JES
CHECKED BY: JES
DATE: 3-2-07

REVISIONS AND ISSUES:
DATE: 7-14-07
BY: JES
REVISIONS TO SHOW GRADING AND SANITARY SEWER LINES
DATE: 8-16-07
BY: JES
MINOR REVISIONS TO ALL SHEETS
DATE: 9-10-07
BY: JES
REVISIONS TO SHOW SANITARY SEWER LINES
DATE: 11-14-07
BY: JES
REVISIONS TO SHOW SANITARY SEWER LINES
DATE: 11-14-07
BY: JES

JAMES E. SHIELDS, JR. P.E. 10201333

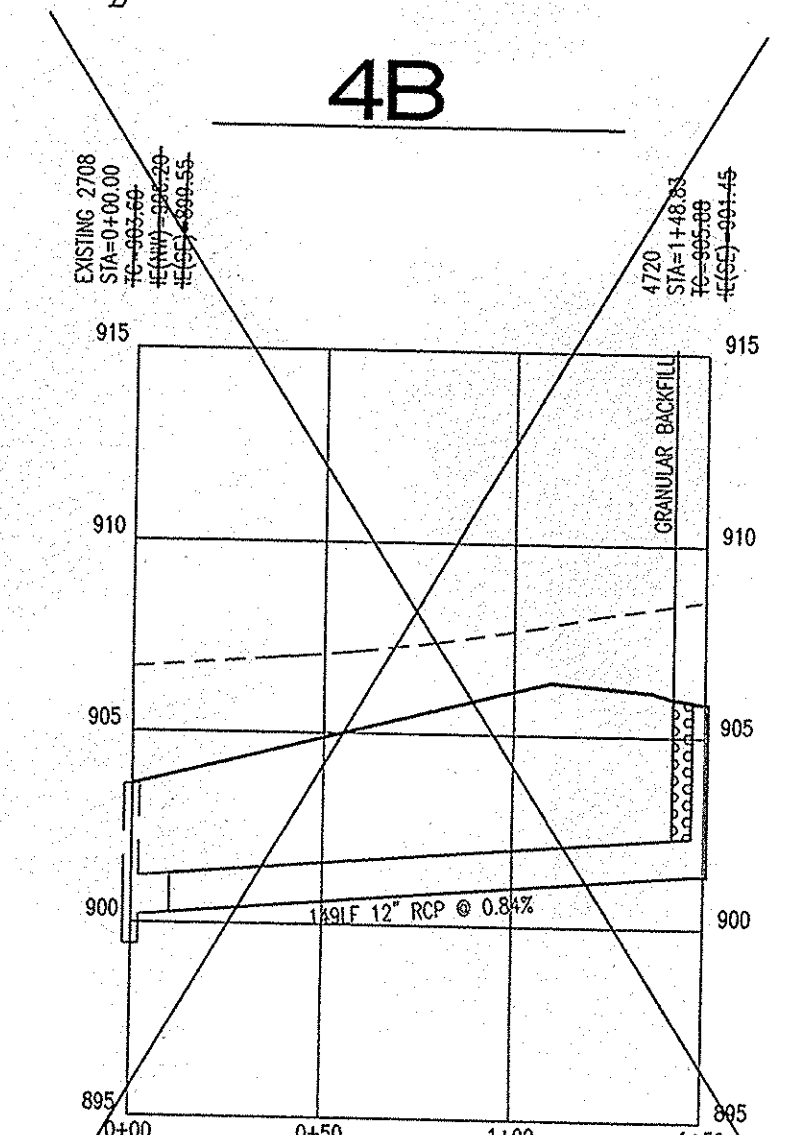
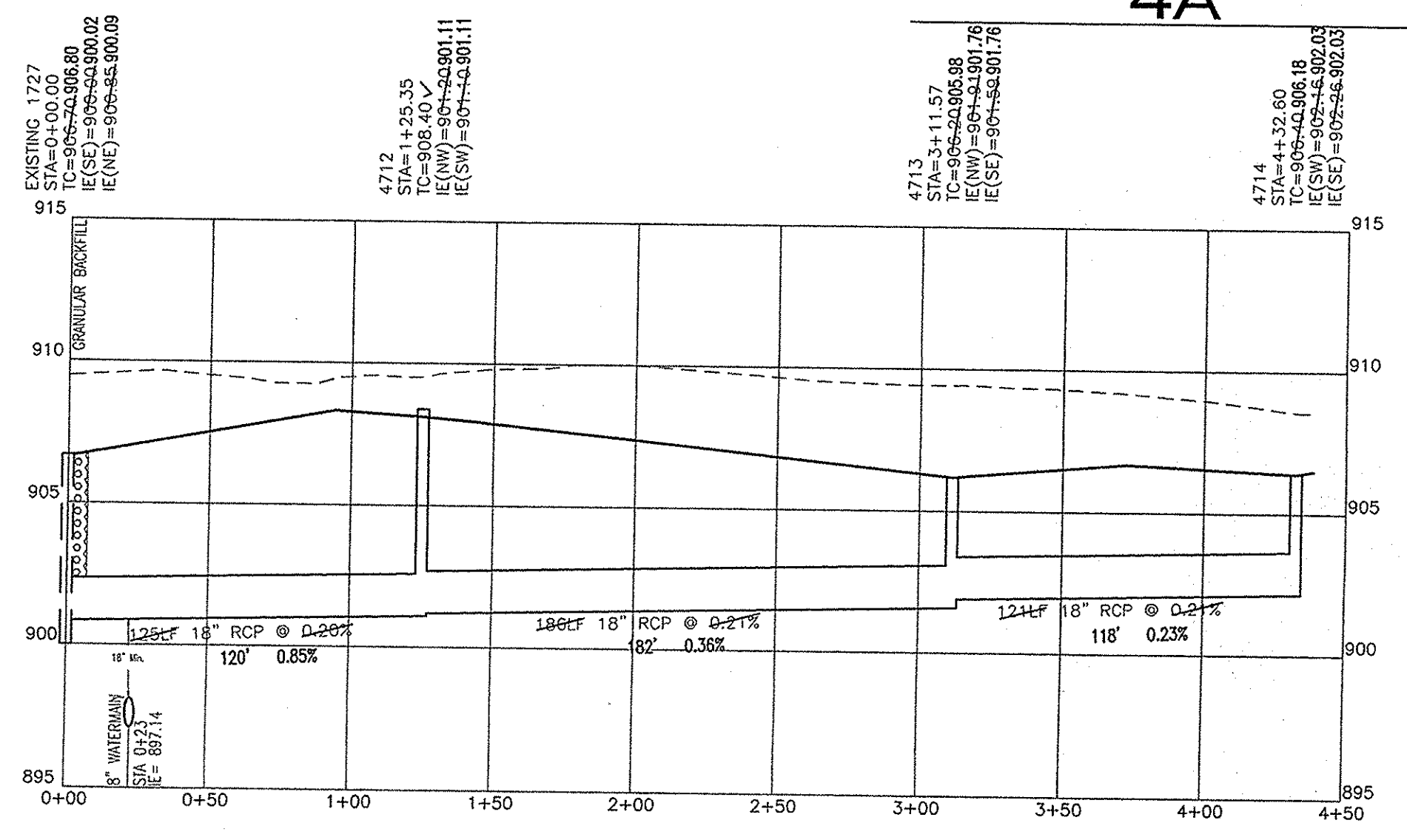
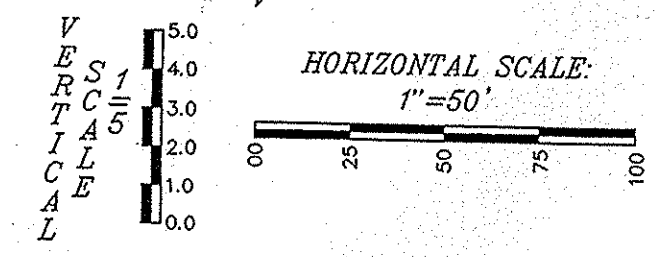
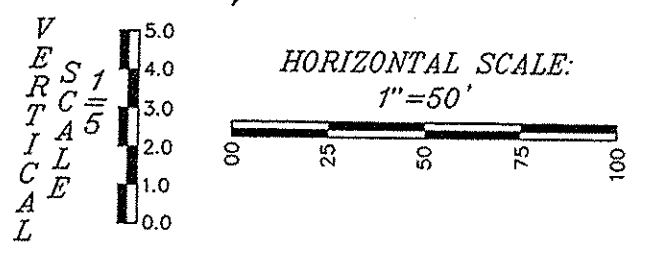
PREPARED FOR:
**THE SANCTUARY AT 116TH STREET
SECTION FOUR A & B**
PLATINUM PROPERTIES
TITLE SHEET
SHEET NO. **C001**
PROJECT NO. **W06-0883**



- 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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 - THERE SHALL BE NEITHER WATER VALVES NOR MANHOLES WITHIN THE PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATHS.

MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

For installation of Storm Mains, Water Mains, Sanitary Mains, Water Service Laterals, Sanitary Service Laterals under City streets, regardless of jurisdiction of the utility, the minimum cover from the top of the installed pavement to the top of the installed pipe shall be the pavement section thickness (all bituminous and aggregate material above the subgrade) plus 1'-0", but under no circumstances shall the cover along any part of the pipe from the final pavement elevation to the top of the pipe be less than 2.5-feet. If the standard practice of the utility that has jurisdiction over the installation has a more stringent cover requirement, the more stringent requirement shall govern. Cover heights for reinforced concrete pipe storm sewer that are less than those required will be evaluated on a case by case condition and approved only with written permission by the city engineer.



**SECTION 4A ONLY
RECORD DRAWING**

STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
11/8/08
JAMES E. SHIELDS, JR. P.E. 10201333



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WWW.WEIHENET

ALLAN H. WEIHE, P.E., L.S. - PRESIDENT
CIVIL ENGINEERS LAND SURVEYORS LANDSCAPE ARCHITECTS

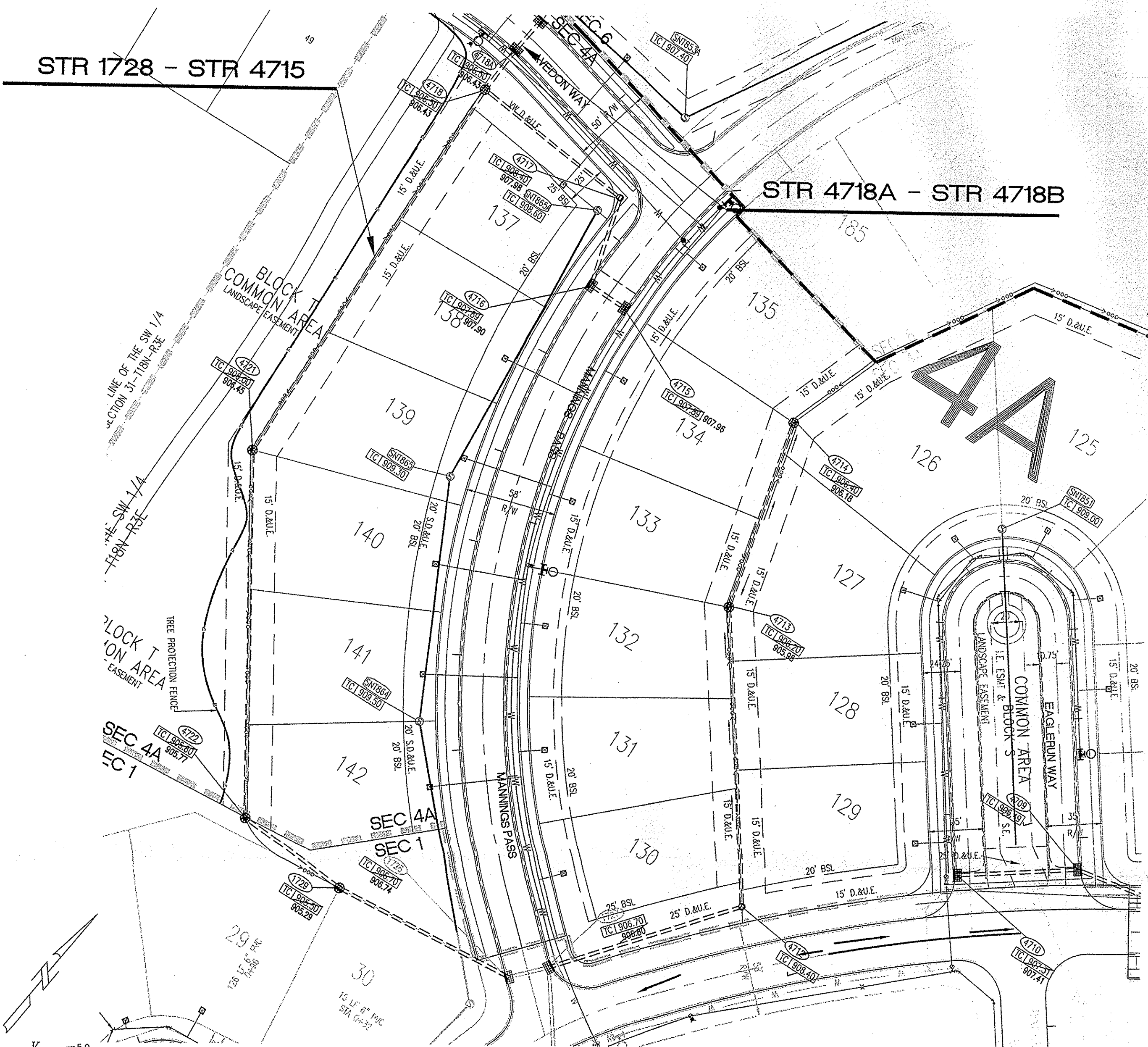
PROJECT NO.	W06-0883
DWG. NAME	RECORD DRAWING
DESIGNED BY	J.E.S.
CHECKED BY	J.E.S.
DATE	11/8/08

THE SANCTUARY AT 116TH STREET
SECTION FOUR A & B
PLATINUM PROPERTIES
STORM SEWER PLAN & PROFILE SHEET
A part of the South Half of Section 31, Township 18 North, Range 3 East, Hamilton County, Indiana

SHEET NO. **C303**
PROJECT NO. W06-0883

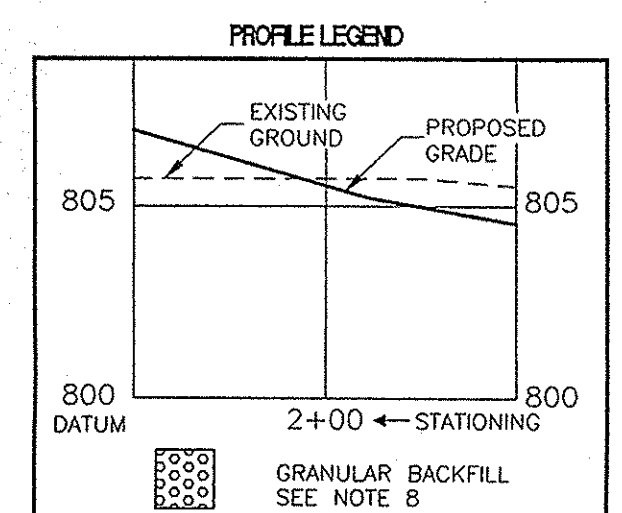
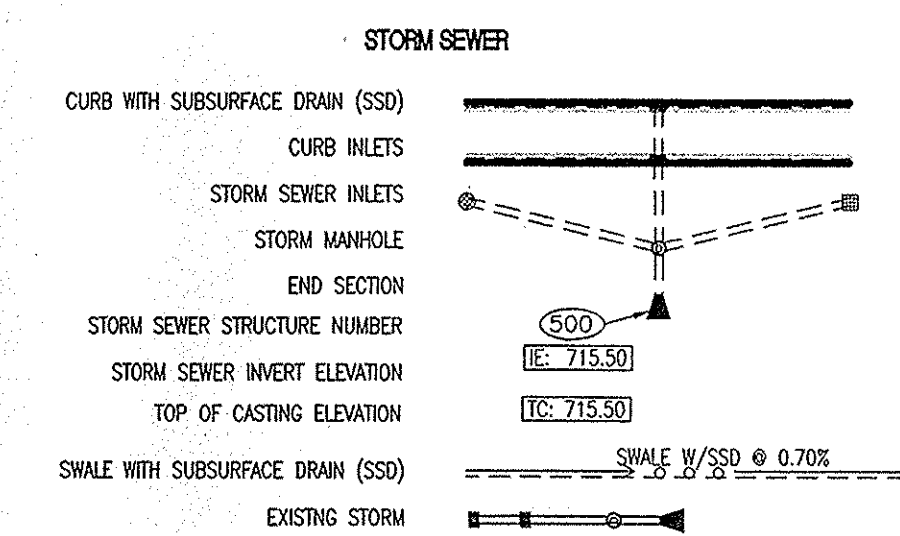
STR 1728 - STR 4715

STR 4718A - STR 4718B



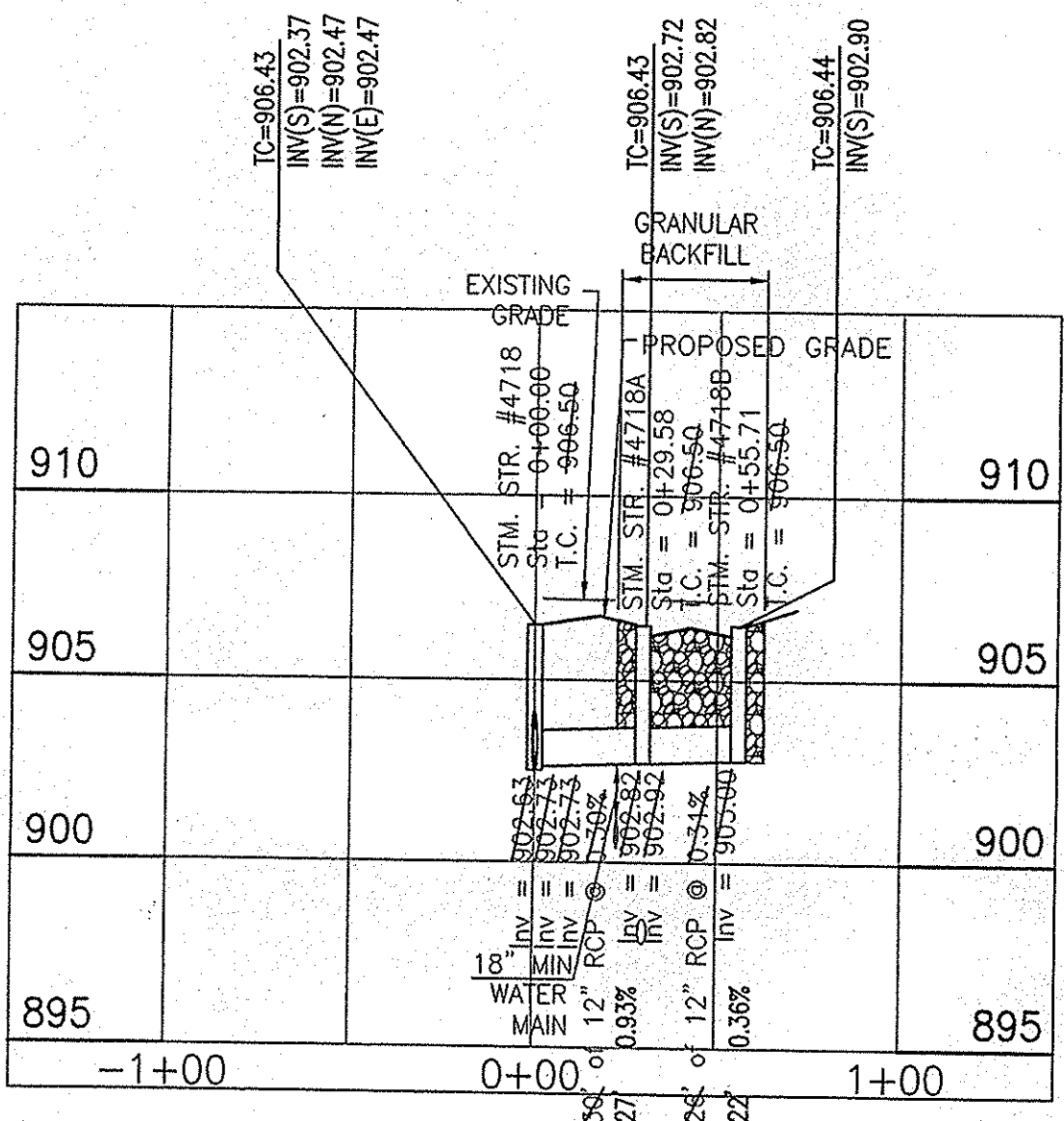
4A

4B



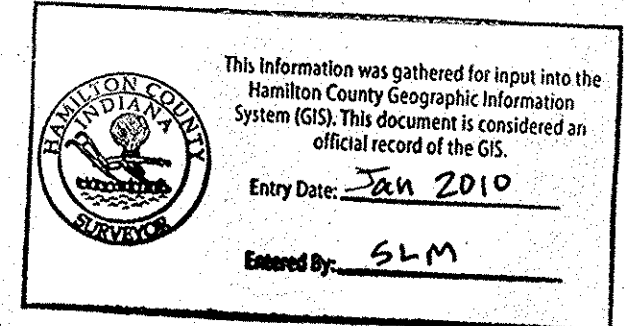
STORM SEWER PLAN AND PROFILE NOTES

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STR 4718B - STR 4718

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

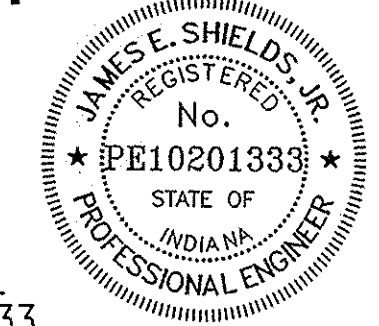


MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

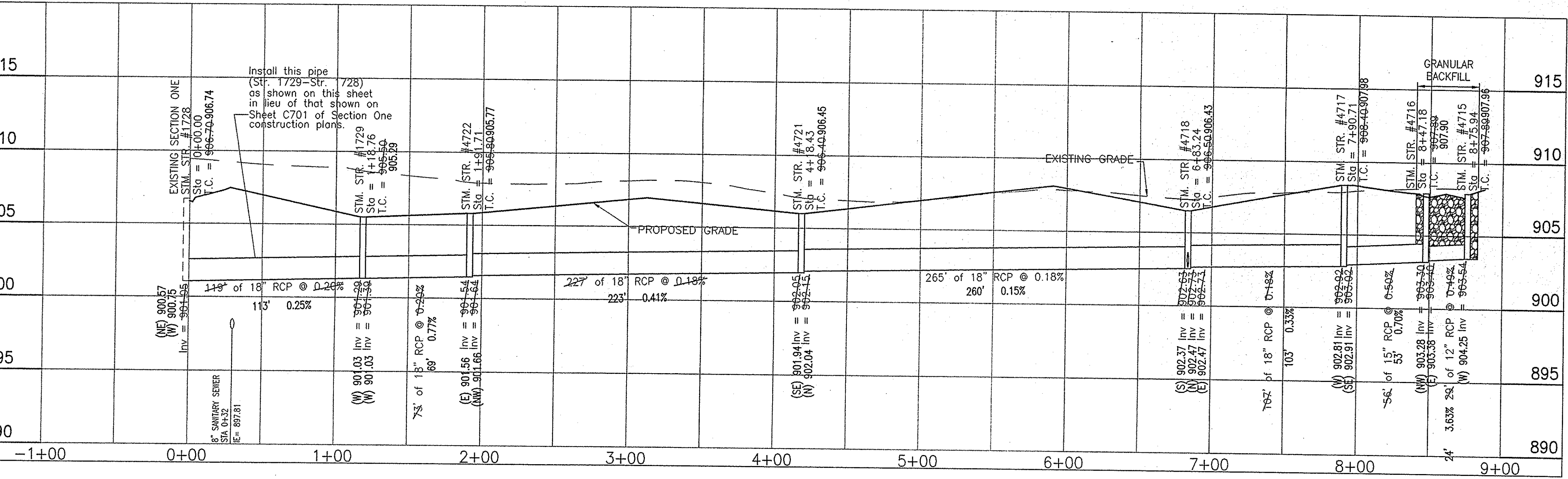
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SECTION 4A ONLY
RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY

11/5/08
 J. Shields
 JAMES E. SHIELDS, JR. P.E. 10201333



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STR 1729 - STR 4715

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VERT. SCALE: 1"=5'

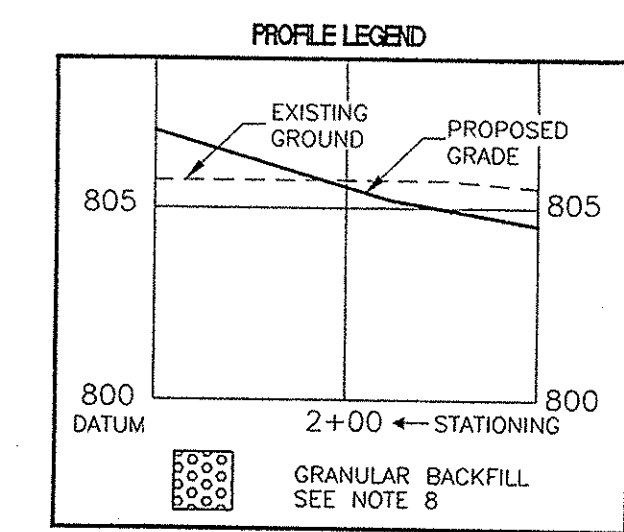
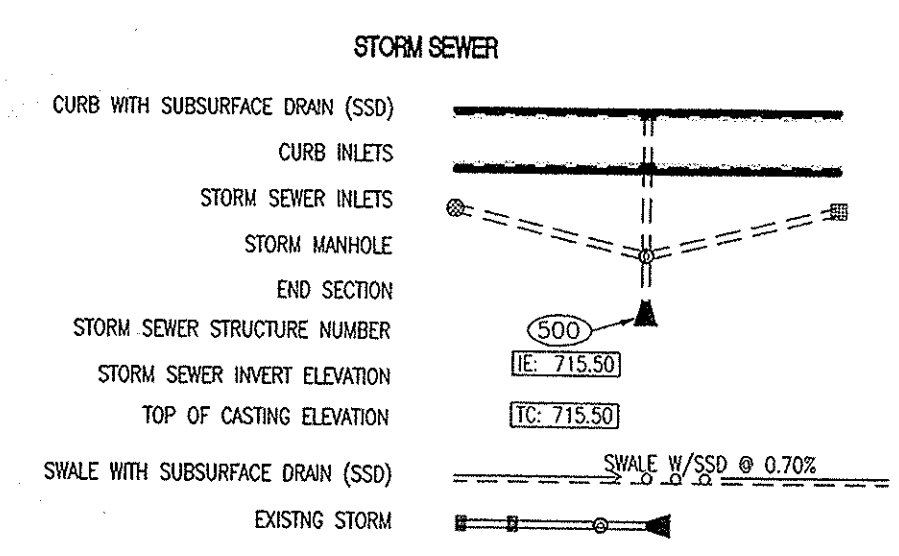
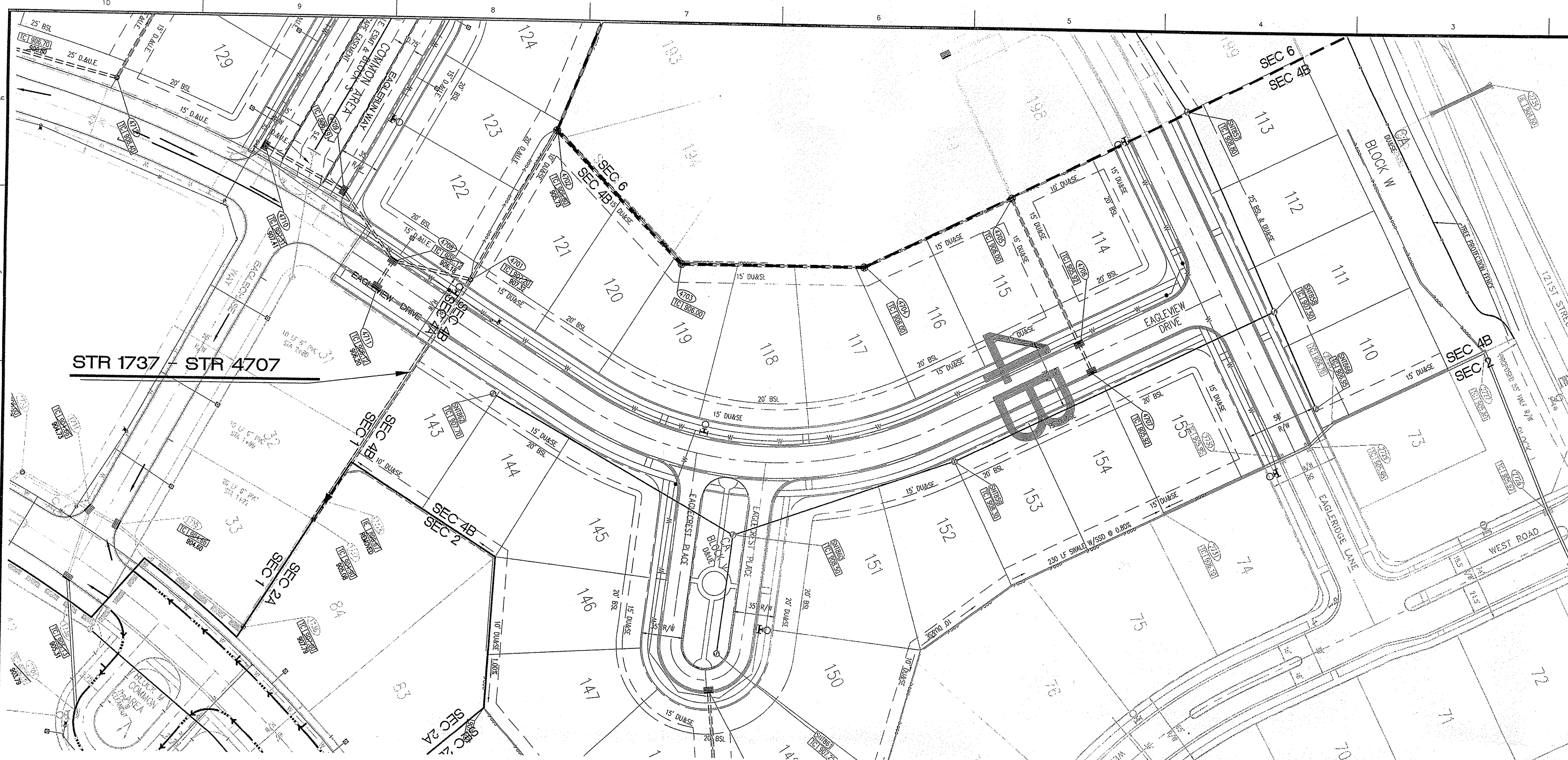
WEIHE ENGINEERS INC.
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 ALLAN H. WEIHE, P.E., L.S. - PRESIDENT
 CIVIL ENGINEERS LAND SURVEYORS LANDSCAPE ARCHITECTS

PROJECT NO.	W06-0883
DWG NAME	SECTION 4A ONLY
DATE	11-5-08
DESIGNED BY	J. Shields
DRAWN BY	J. Shields
CHECKED BY	J. Shields
DATE	11-5-08

PREPARED FOR:
THE SANCTUARY AT 116TH STREET
SECTION FOUR A & B
 PLATINUM PROPERTIES
 STORM SEWER PLAN & PROFILE SHEET
 A part of the South Half of Section 31, Township 18 North, Range 3 East, Hamilton County, Indiana.

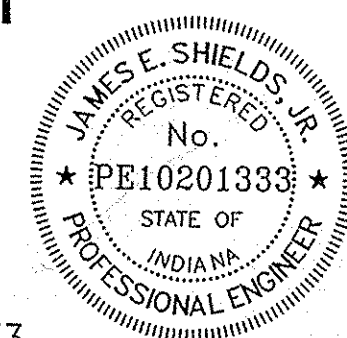
SHEET NO.
C303A

PROJECT NO.
 W06-0883

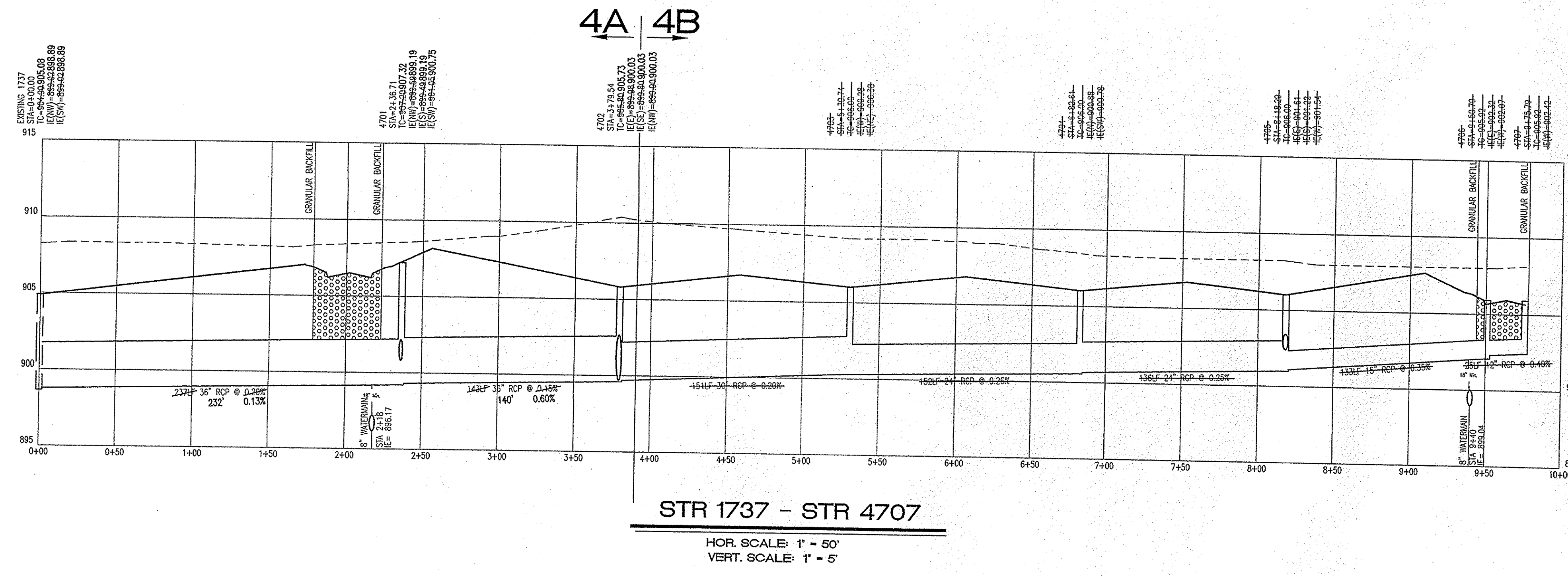


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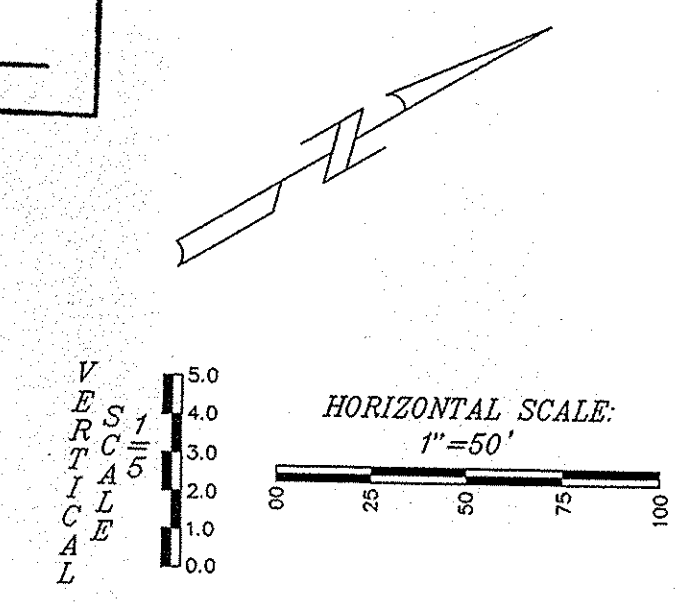
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This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Jan 2010
Entered By: SLM



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ALLAN H. WEIHE, P.E., L.S. - PRESIDENT
LAND SURVEYORS - LANDSCAPE ARCHITECTS
CIVIL ENGINEERS

PROJECT NO.	W06-0883
DWG NAME	SECTION 4A ONLY
DESIGNED BY	JES
DRAWN BY	JES
CHECKED BY	JES
DATE	11-19-08

REVISIONS AND ISSUES

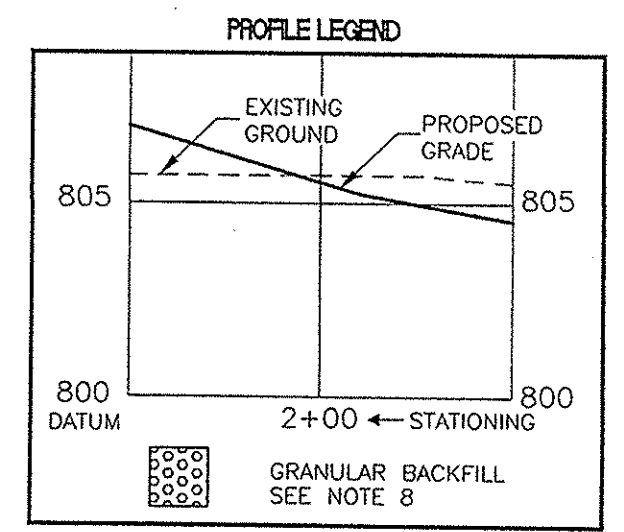
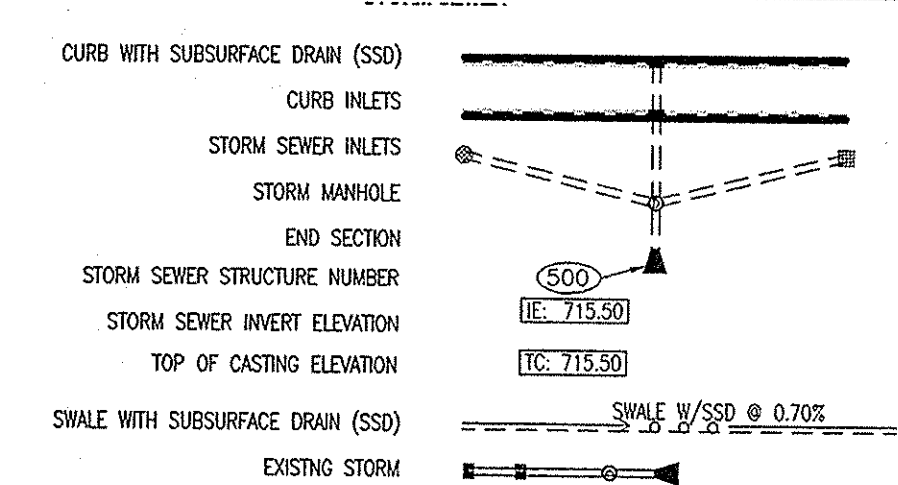
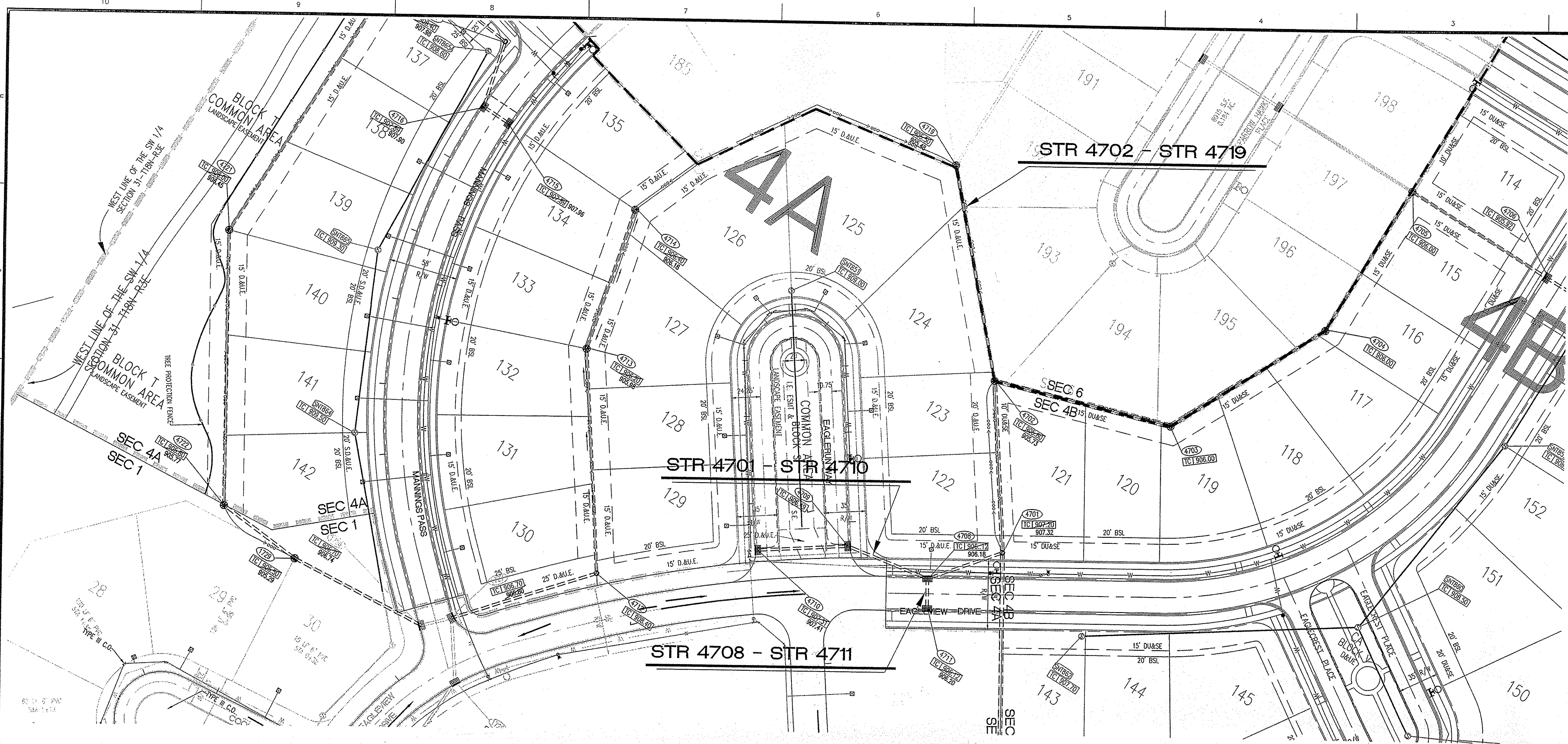
DATE	BY	DESCRIPTION
5-17-07	BBB	REVISIONS PER COMMENTS & HHSO REVIEW
7-10-07	GGC	REVISIONS PER COMMENTS & HHSO REVIEW
8-20-07	GGC	REVISIONS PER COMMENTS & HHSO REVIEW
10-11-07	GGC	REVISIONS PER COMMENTS & HHSO REVIEW
10-22-08	GGC	REVISIONS PER COMMENTS & HHSO REVIEW

JAMES E. SHIELDS, JR. P.E. 10201333

PREPARED FOR:
**THE SANCTUARY AT 116TH STREET
SECTION FOUR A & B**
PLATINUM PROPERTIES
STORM SEWER PLAN & PROFILE SHEET
A part of the South Half of Section 31, Township 18 North, Range 3 East, Hamilton County, Indiana

SHEET NO.
C301

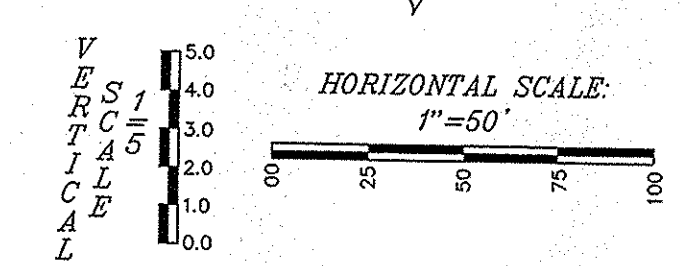
PROJECT NO.
W06-0883



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 GROUTED, 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 (T.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 PER DETAIL D-23 ON SHEET C306.
- REFER TO DETAIL D-23, SHEET C306 FOR TRENCHING, BACKFILL AND COVER REQUIREMENTS.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
- THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
 - REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT.
 - AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK 4,000 PSI CONCRETE COLLAR WITH 4x4.10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
 - ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.
- TOP OF CASTING (TC) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER A STRUCTURE. WHEN A STRUCTURE IS NOT A CURB INLET, TC SHALL INDICATE TOP OF CURB WHEN STRUCTURE IS A CURB INLET.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL EXISTING UTILITIES: THE ASSUMED DEPTH IS THE INDUSTRY STANDARD DEPTH FOR THOSE UTILITIES MEASURED FROM THE TOPOGRAPHIC ELEVATIONS.
- THERE SHALL BE NEITHER WATER VALVES NOR MANHOLES WITHIN THE PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATHS.

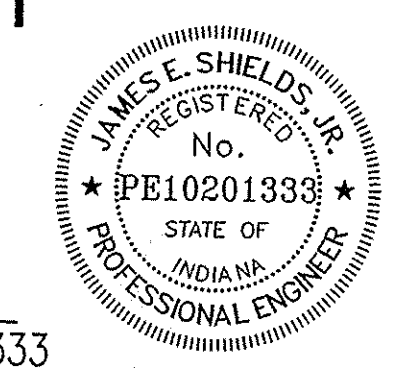
MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY
 For installation of Storm Mains, Water Mains, Sanitary Mains, Water Service Laterals, Sanitary Service Laterals under City streets, regardless of jurisdiction of the utility, the minimum cover from the top of the installed pipe shall be the pavement section thickness (all bituminous and aggregate material above the subgrade) plus 1'-0", but under no circumstances shall the cover along any part of the pipe from the final pavement elevation to the top of the pipe be less than 2.5-feet. If the standard practice of the utility that has jurisdiction over the installation has a more stringent cover requirement, the more stringent requirement shall govern. Cover heights for reinforced concrete pipe storm sewer that are less than those required will be evaluated on a case by case condition and approved only with written permission by the city engineer.



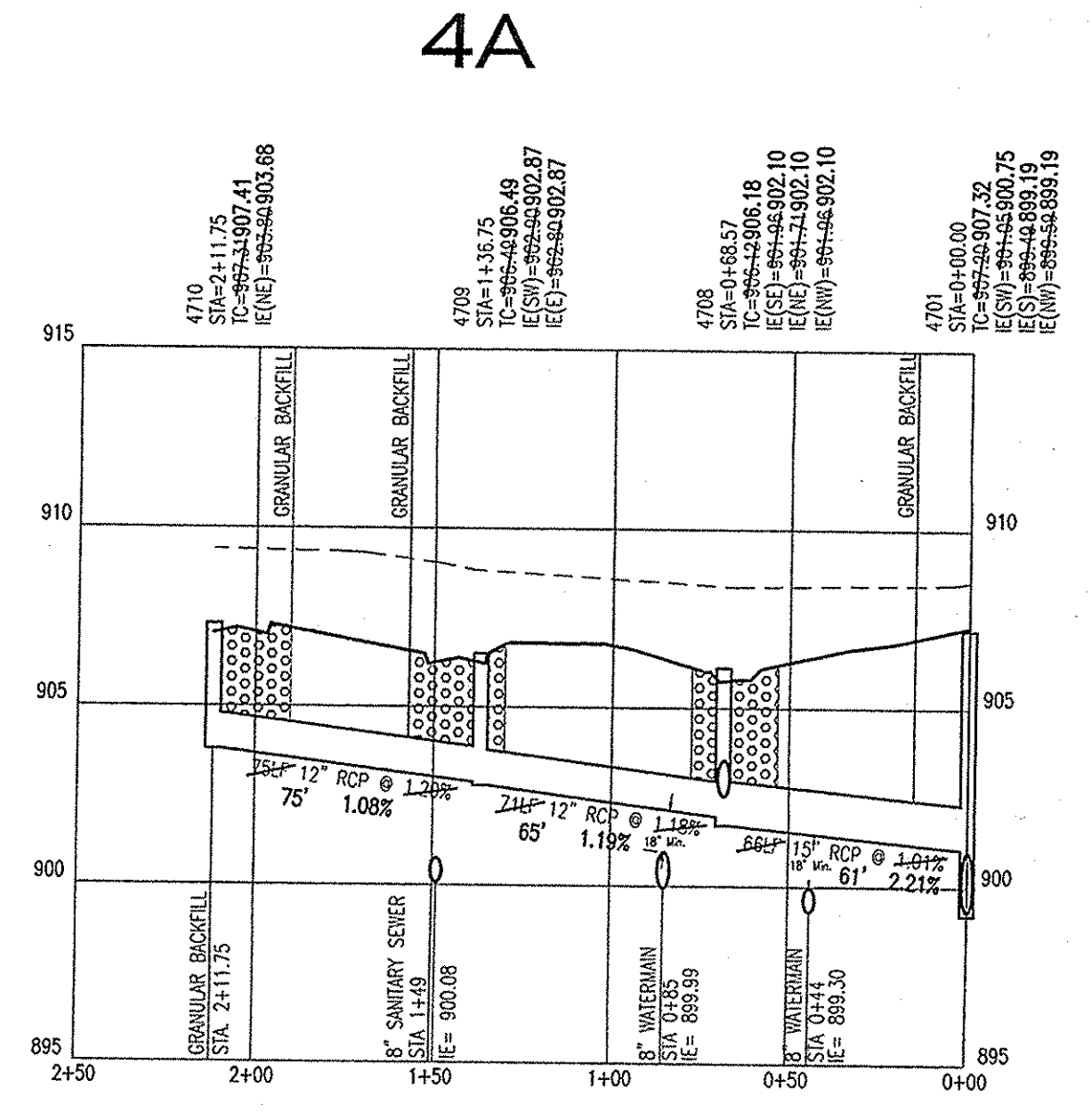
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: Jan 2010
 Entered by: SLM

**SECTION 4A ONLY
 RECORD DRAWING**

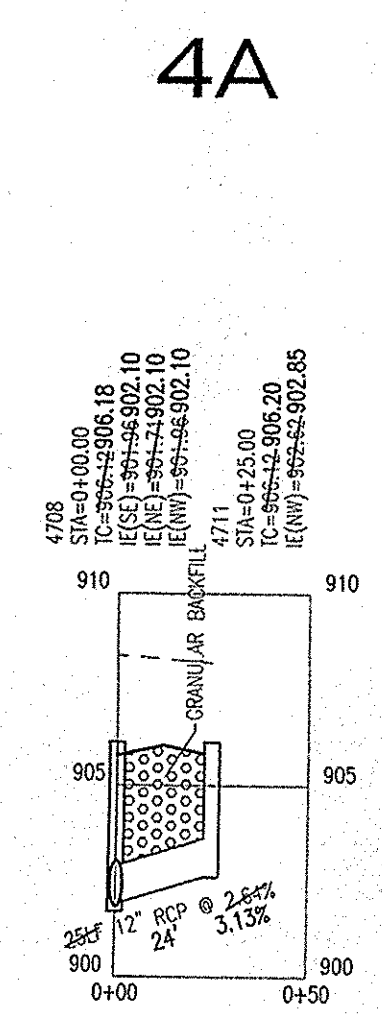
STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 11/8/08
 JAMES E. SHIELDS, JR., P.E. 10201333



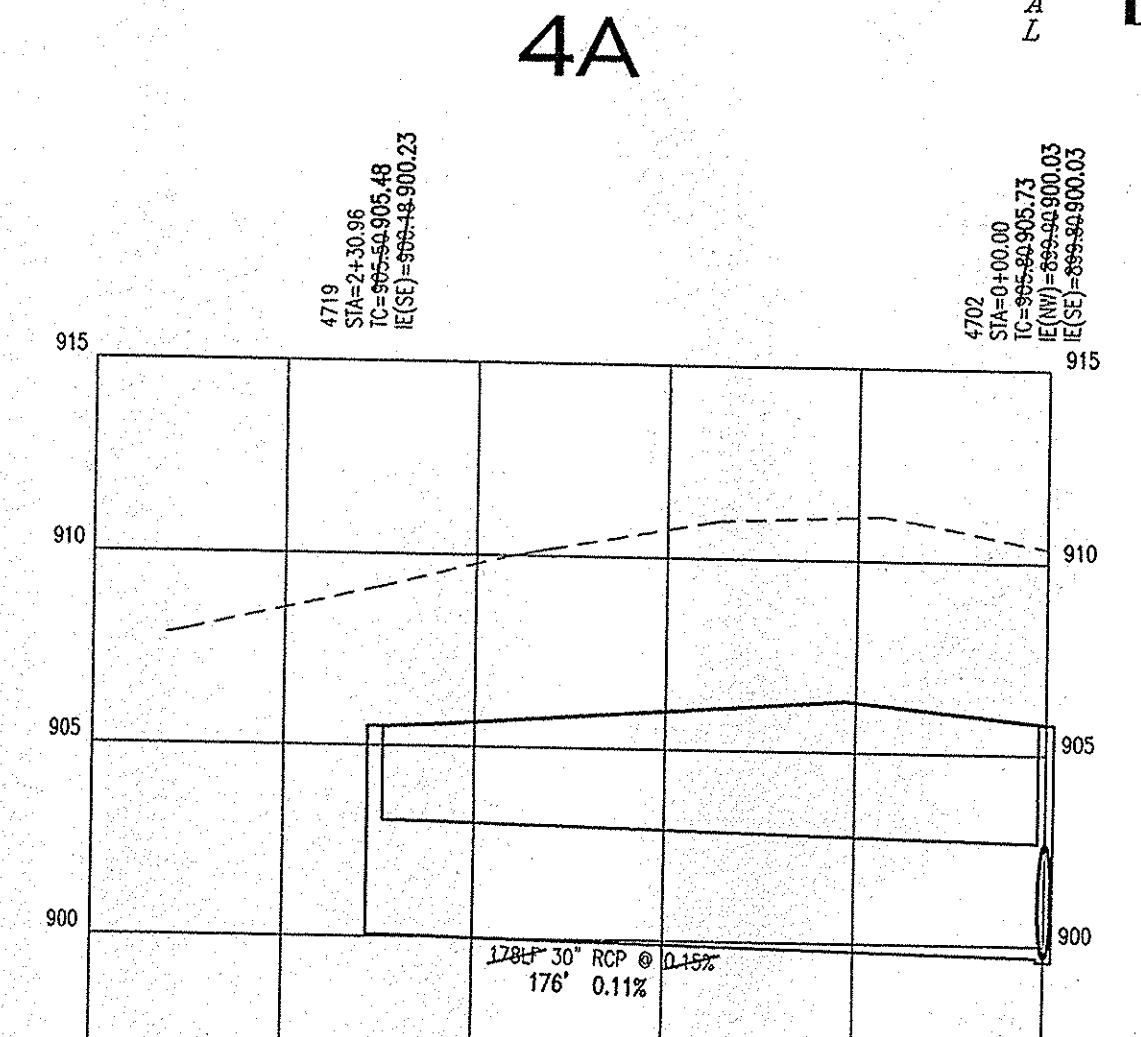
Plan Certification Note:
 Site Plan drawings and site topographic drawings were prepared by Cripe Architects and Engineers and the Schneider corporation for Indiana Land Development Corporation.
 Final drawings were prepared by Weihe Engineers, Inc. and James E. Shields, Jr. Final construction plans are those plans containing a final revision date after 03/02/07. Weihe Engineers, Inc. and James E. Shields, Jr. accept full responsibility for all engineering work in these plans.



STR 4701 - STR 4710
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



STR 4708 - STR 4711
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



STR 4702 - STR 4719
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

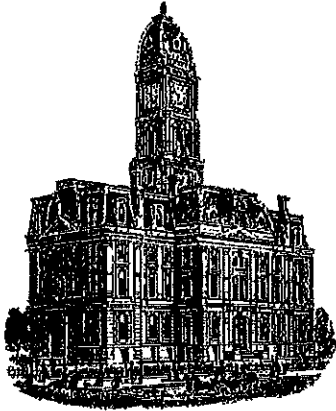
WEIHE ENGINEERS INC.
 10505 NORTH COLLEGE AVENUE
 INDIANAPOLIS, INDIANA 46280
 WWW.WEIHE.NET
 317.846.6611
 FAX 317.843.0546
 TOLL FREE 800.452.6408
 ALLAN H. WEIHE, P.E., L.S. - PRESIDENT
 CIVIL ENGINEERS LAND SURVEYORS LANDSCAPE ARCHITECTS

PROJECT NO.	W06-0883
DWG. NAME	STORM SEWER PLAN AND PROFILE
DESIGNED BY	JAMES E. SHIELDS, JR.
DRAWN BY	JAMES E. SHIELDS, JR.
CHECKED BY	JAMES E. SHIELDS, JR.
DATE	11-8-08

REVISIONS AND ISSUES:
 REVISIONS FOR CROSSINGS & MINOR REVISIONS TO ALL SHEETS
 DATE: 11-8-08
 BY: JES
 CHECKED BY: JES
 REVISIONS FOR CITY ENGINEER-FAILEY COMMENTS
 DATE: 11-8-08
 BY: JES
 CHECKED BY: JES

PREPARED FOR:
THE SANCTUARY AT 116TH STREET
 SECTION FOUR A & B
 PLATINUM PROPERTIES
 STORM SEWER PLAN & PROFILE SHEET
 A part of the South Half of Section 31, Township 18 North, Range 3 East, Hamilton County, Indiana

SHEET NO.
C302
 PROJECT NO.
 W06-0883



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

August 31, 2017

Re: Long Branch: The Sanctuary at 116th Street Section 4B

Attached are as-built, certificate of completion & compliance, and other information for The Sanctuary at 116th Street Section 4B. 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 August 1, 2008. The report was approved by the Board at the hearing held September 22, 2008. (See Drainage Board Minutes Book 11, Pages 320-321) The original report outlined all of section 4 but due to the economic downturn it was built in two sections. This section contains 245 feet of 12" RCP, 277 feet of 15" RCP and 3,751 feet of 6" SSD. The length of the drain due to the changes described above is now **4,273 feet**.


The non-enforcement was approved by the Board at its meeting on September 22, 2008 and recorded under instrument #2017013933.

The following sureties were guaranteed by Philadelphia Indemnity Insurance Company and released by the Board on its August 28, 2017 meeting.

Bond-LC No: PB113281000068
Amount: \$194,857.84
For: Storm Sewers, SSD, & Monumentation
Issue Date: June 24, 2014

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

FILED
AUG 03 2017
OFFICE OF HAMILTON COUNTY SURVEYOR

To: Hamilton County Surveyor

Re: THE SANCTUARY AT 116th STREET SECTION 4B

I hereby certify that:

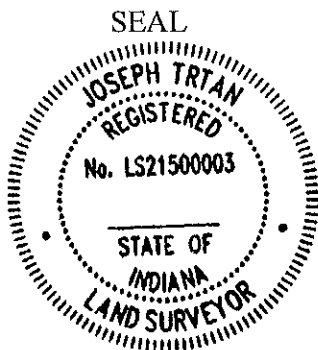
1. I am a Registered Land Surveyor or Engineer in the State of Indiana.
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage 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: Joe Trtan Date: 8/3/2017

Type or Print Name: JOSEPH TRTAN

Business Address: 10505 N. COLLEGE AVENUE
INDIANAPOLIS, IN 46280

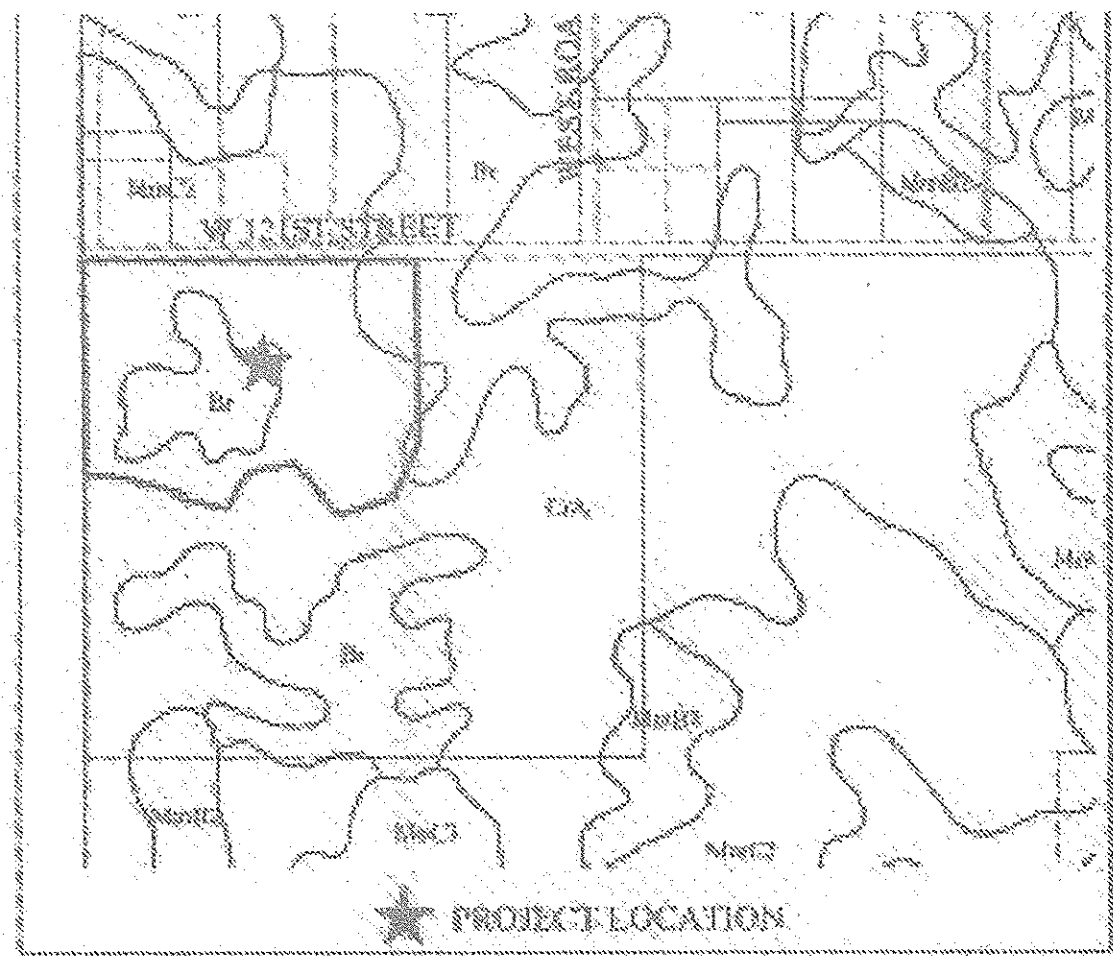
Telephone Number: 317-846-6611



INDIANA REGISTRATION NUMBER
LS 21500003

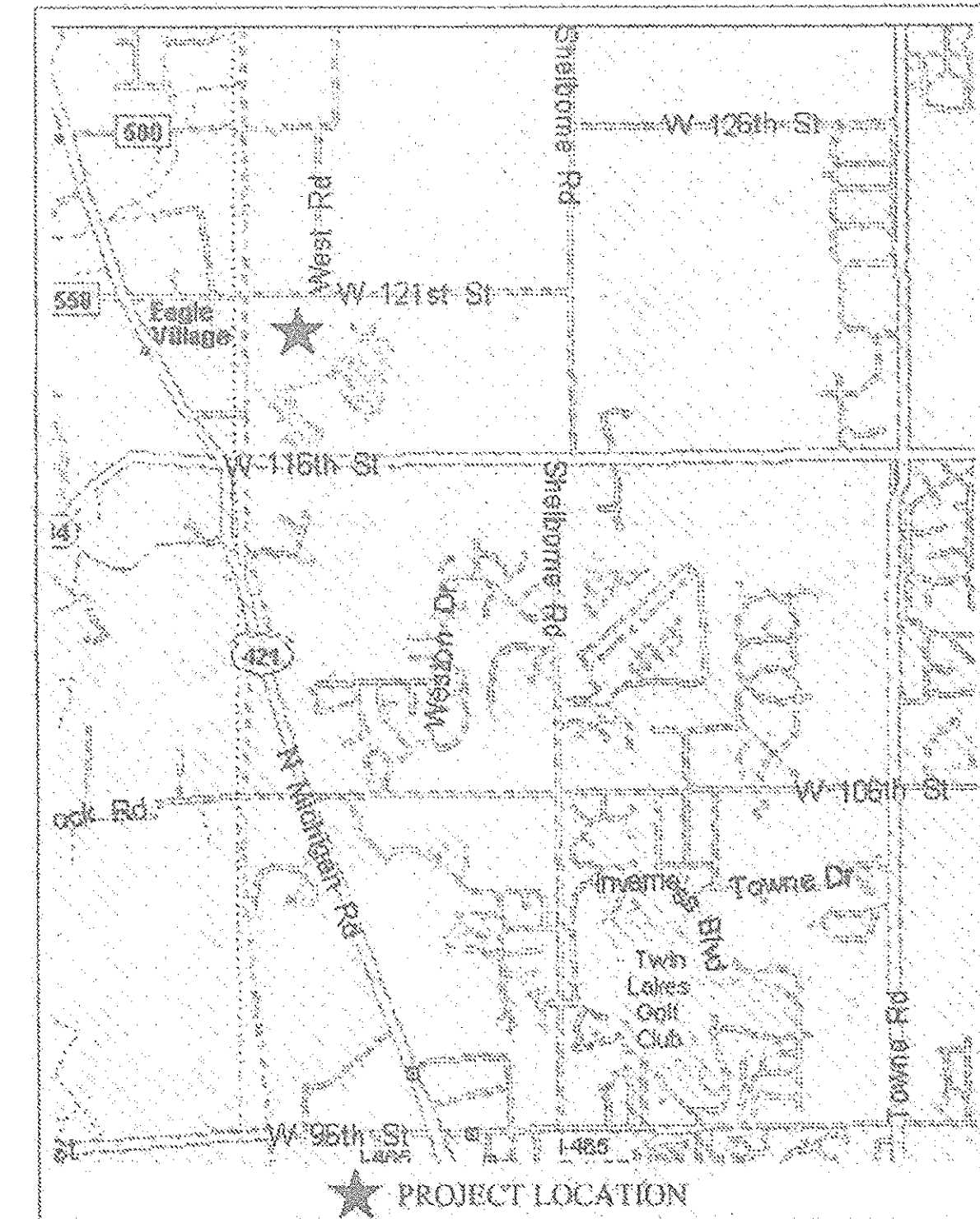
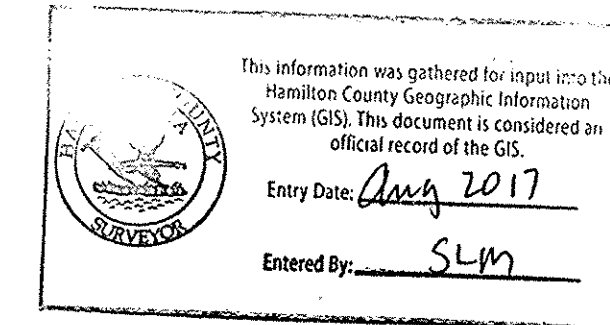
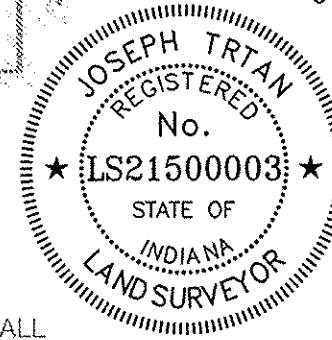
RECORD DRAWING CONSTRUCTION PLANS

FOR SANCTUARY AT 116TH STREET SECTION FOUR B 4455 W. 121ST STREET CITY OF CARMEL HAMILTON COUNTY, INDIANA SECTION 31, TOWN 18, RANGE 3



RECORD DRAWING
2-3-2017

JE T
JOSEPH TRTAN, LS21500003



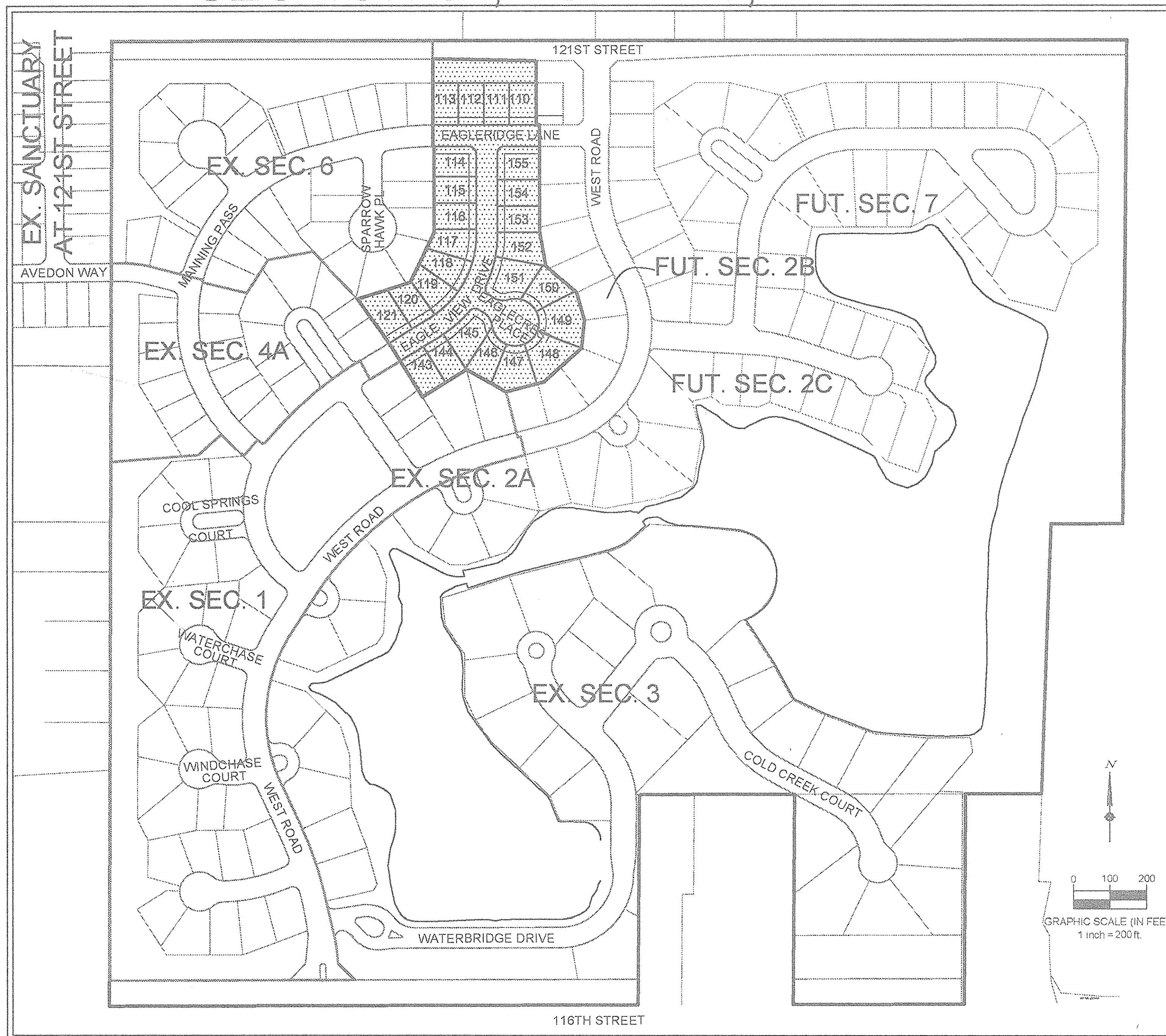
VICINITY MAP

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, VERBALLY 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.
- IN ADDITION, EXCAVATION 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.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- 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 #18057C0205F, DATED FEBRUARY 19, 2003. THEREFORE THERE ARE NO 100 YR. FLOODPLAINS, FLOODWAY FRINGES, OR FLOODWAYS ON THIS SITE.
- BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- THIS SITE DOES NOT CONTAIN ANY WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, CARMEL, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1990.
- DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL BE RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.
- NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

OPERATING AUTHORITIES

- | | |
|--|--|
| CITY OF CARMEL
ONE CIVIC SQUARE
CARMEL, IN 46032
ASSISTANT PLANNER: ANGIE CONN
317-571-2417
DEPT. OF ENGINEERING: GARY DUNCAN
317-571-2441 | HAMILTON COUNTY SURVEYOR'S OFFICE
ONE HAMILTON SQUARE, SUITE 188
HAMILTON COUNTY JUDICIAL CENTER
NOBLESVILLE, INDIANA 46060
GREG HOYES
317-776-8495 |
| CITY OF CARMEL FIRE DEPARTMENT
TWO CIVIC SQUARE
CARMEL, INDIANA 46032
CHRIS ELLISON
317-571-2600 | BRIGHTHOUSE NETWORKS
3030 ROOSEVELT AVE.
INDIANAPOLIS, IN 46218
JASON KIRKMAN
317-632-9077 EXT. 291 |
| CLAY TOWNSHIP REGIONAL WASTE DISTRICT
10701 N. COLLEGE AVENUE, SUITE A
INDIANAPOLIS, IN 46280-1098
RYAN HARTMAN
317-844-9200 | DUKE ENERGY
16475 SOUTHPOCK DRIVE
WESTFIELD, INDIANA 46074
SHIRELY HUNTER
317-896-6711 |
| CARMEL CITY UTILITIES
780 3RD AVENUE S.W.
CARMEL, INDIANA 46032
JOHN DUFFY
317-571-2443 | VECTREN ENERGY
P.O. BOX 1700
NOBLESVILLE, INDIANA 46061-1700
JOANIE CLARK
317-776-5532 |



SITE MAP

INDEX OF SHEETS

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STORMWATER POLLUTION PREVENTION PLAN	2-3
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STORM SEWER DETAILS	22-23
WATER MAIN DETAILS & SPECIFICATIONS	24
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ZONING AND SETBACK

- BUILDING SETBACK LINE REQUIREMENTS PER ZONING
ZONING: S-1/RESIDENCE-ROSO III WITH WAIVERS
FRONT YARD:
1. DWELLING WITH ATTACHED FRONT LOADING GARAGE: TWENTY (20) FEET FOR DWELLING; TWENTY-FIVE (25) FEET FOR GARAGE (UNLESS OTHERWISE NOTED ON PLAT)
2. DWELLING WITH ATTACHED SIDE-LOADING GARAGE: FIFTEEN (15) FEET FOR DWELLING; TWENTY-FIVE (25) FEET FOR GARAGE (UNLESS OTHERWISE NOTED ON PLAT)
3. DWELLING WITH ATTACHED REAR-LOADING, OR DETACHED, ALLEY ACCESS GARAGE: TEN (10) FEET FOR DWELLING (UNLESS OTHERWISE NOTED ON PLAT)
- SIDE YARD: ZERO (0) FEET*
REAR YARD: ZERO (0) FEET*
- MINIMUM BUILDING SEPARATION: SIX (6) FEET*
- NOTE: SIDE/REAR SETBACKS AND MINIMUM BUILDING SEPARATION SHALL BE INCREASED BY ONE (1) FOOT FOR EACH ADDITIONAL (1) FOOT A STRUCTURE IS RAISED ABOVE THE TWENTY-FIVE (25) FOOT HEIGHT STANDARD-WITH NO STRUCTURE EXCEEDING THIRTY-FIVE (35) FEET IN HEIGHT.

DESIGN DATA

TOTAL ACREAGE: 7.53 AC
NUMBER OF LOTS: 25
DENSITY: 3.32 LOTS/ACRE

STREET LENGTH:
EAGLERIDGE LANE: 450 LF
EAGLEVIEW DRIVE: 700 LF
EAGLECREST PLACE: 150 LF
TOTAL LENGTH: 1300 LF

SPEED LIMIT: 25 MPH

BENCHMARK INFORMATION

BM 800 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE. 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421. AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION. AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION. SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND. A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED "BOO 54 1980". ELEV. 900.78 FEET (1988 DATUM)

HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE

OWNER/DEVELOPER

SANCTUARY PROJECT 1, LLC
8534 YANKEE STREET
DAYTON, OH 45458
PH: (937) 435-8584
EMAIL: OAKES@CESOINC.COM
CONTACT: DAVID C. OAKES

ENGINEER

CESO, INC.
8534 YANKEE STREET
DAYTON, OH 45458
PH: (937) 435-8584
EMAIL: OAKES@CESOINC.COM

REVISIONS NO.	DATE	DESCRIPTION

APPROVAL PENDING
NOT FOR
CONSTRUCTION

SANCTUARY AT 116TH STREET
SECTION FOUR B
TITLE SHEET

INDIANA
CITY OF CARMEL

ISSUE: CONSTRUCTION
DATE: OCTOBER 2014
JOB NO.: 4431
DESIGN: JEE
DRAWN: JEE
CHECKED: TJV
SHEET NO. 1

CITY OF CARMEL COVER AND BACKFILL POLICY; 9-8-06

WATER AND SEWER UNDER PAVEMENT, SIDEWALK, PAVED AREAS AND WITHIN RIGHT-OF-WAY

BEDDING, HAUNCHING, INITIAL BACKFILL

BEDDING, HAUNCHING AND INITIAL BACKFILL REQUIREMENTS AND COMPACTION FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION.

FINAL BACKFILL

FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5-FEET OF PAVEMENT OR SIDEWALK OR OTHER PAVED AREAS AND FOR ALL INSTALLATIONS WITHIN CITY RIGHT-OF-WAY SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. THE MATERIAL SHALL BE APPROVED BY THE CITY OF CARMEL DEPARTMENT OF ENGINEERING AT TIME OF INSTALLATION. FINAL BACKFILL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUB-BASE OF THE PAVEMENT SHALL BE NO. 53 STONE MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5-FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

COVER HEIGHTS FOR REINFORCED CONCRETE PIPE STORM SEWER THAT ARE LESS THAN THOSE REQUIRED WILL BE EVALUATED ON A CASE BY CASE CONDITION AND APPROVED ONLY WITH WRITTEN PERMISSION BY THE CITY ENGINEER.

THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OF CARMEL IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS OR 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION, PRIOR TO BACKFILLING THE PIPE. THE CONTRACTOR IS INSTRUCTED TO AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH DESIGN PLANS AND AS APPROVED BY THE CITY OF CARMEL.

STORM SEWER PLAN AND PROFILE NOTES:

FULL DEPTH GRANULAR BACKFILL SHALL BE PER DETAIL 10-28 ON SHEET 23. REFER TO DETAIL 10-28, SHEET 23 FOR TRENCHING, BACKFILL AND COVER REQUIREMENTS. PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND DOES NOT INCLUDED END SECTIONS.

THERE SHALL BE NO FRAMES, CASTINGS, OR VALVE BOX EXTENSIONS IN THE STREET PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATH FOR ANY UTILITY INSTALLATIONS IN THE RIGHT-OF-WAY WITH THE EXCEPTION OF CURB INLET CASTINGS.

NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

RECORD DRAWING

STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
2-3-2017

JOSEPH TRIJAN, LS21500003

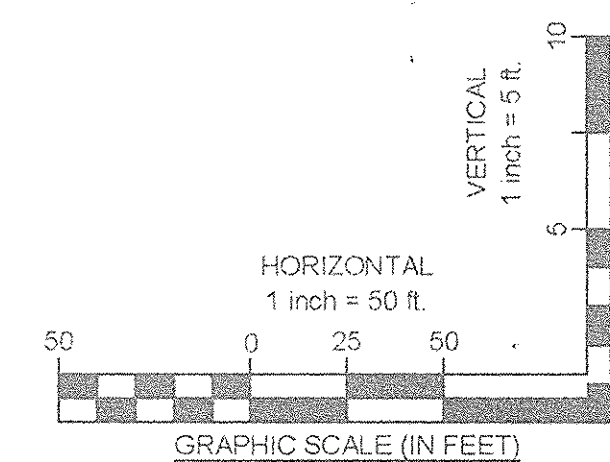
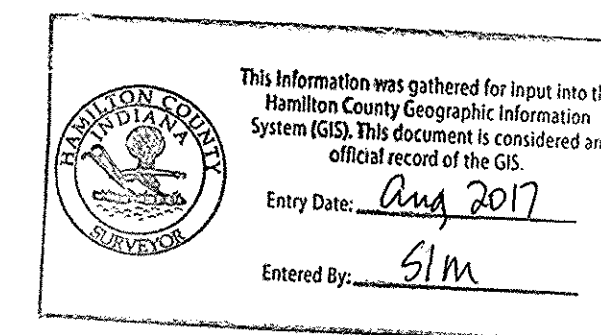


- ▲ AS-BUILT INFORMATION
- ✓ BUILT AS PLANNED

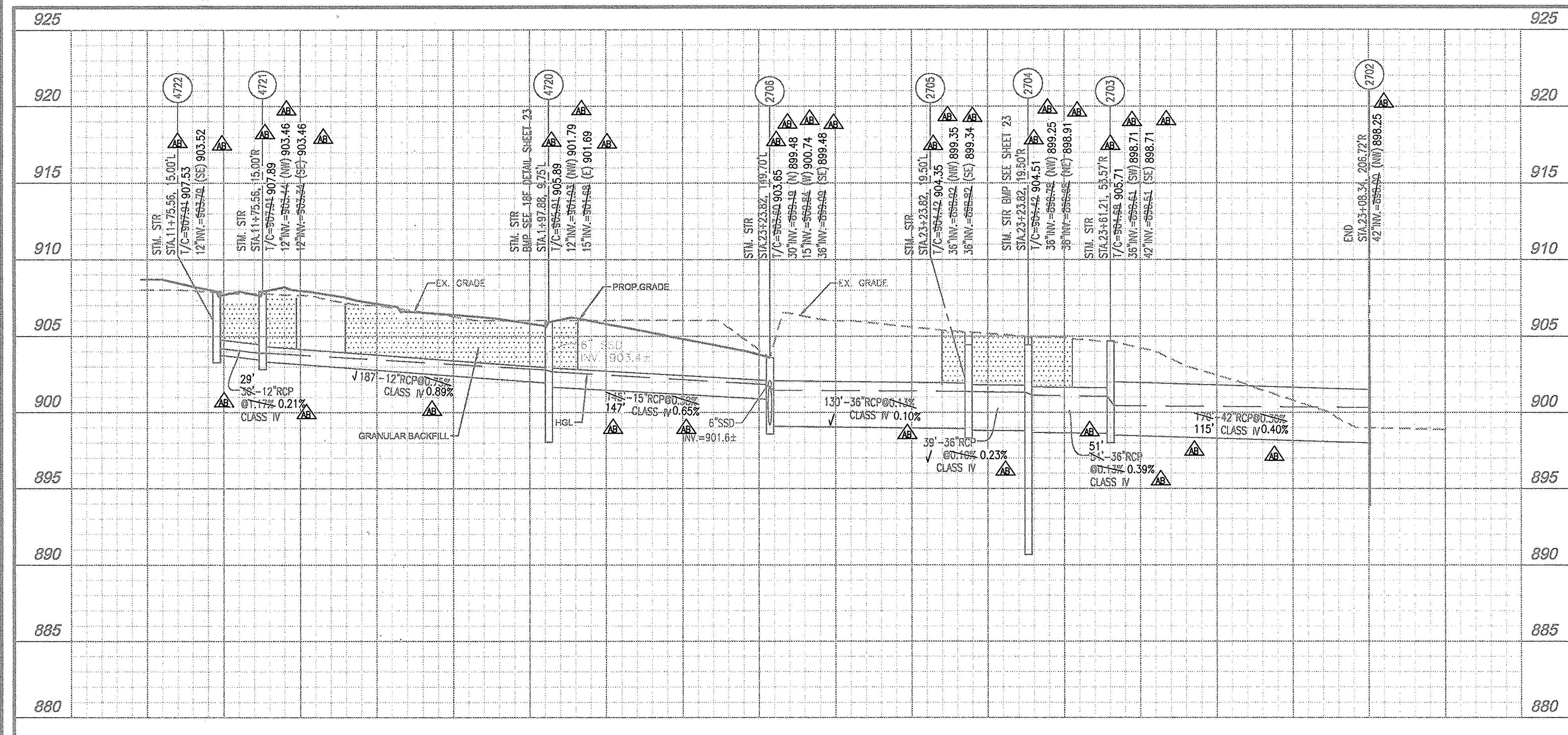
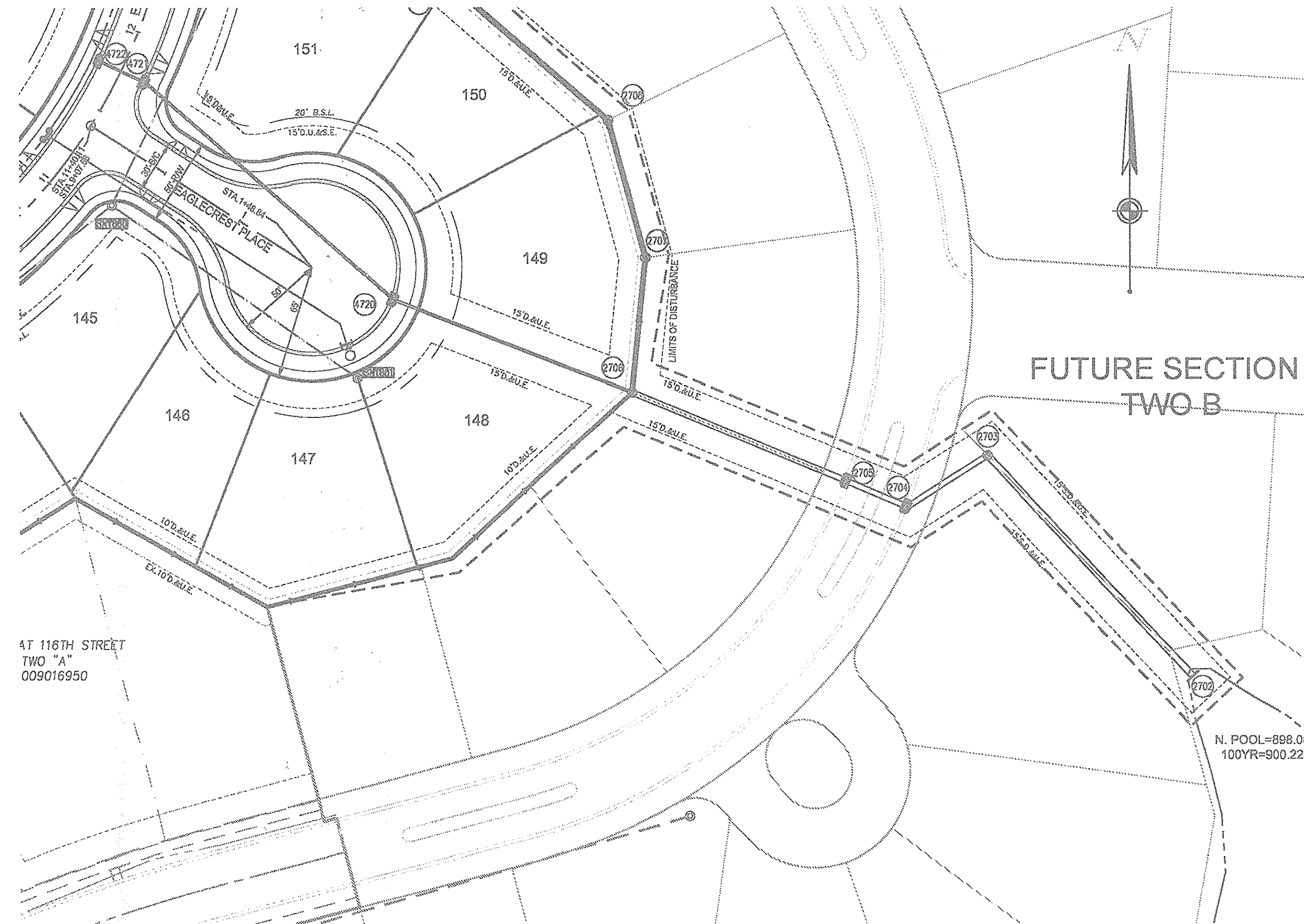
BENCHMARK INFORMATION

BM BOO 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE, 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421, AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION, AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION, SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND, A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED "BOO 54 1989" ELEV.: 900.76 FEET (1988 DATUM)

HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE



ISSUE: CONSTRUCTION
DATE: OCTOBER 2014
JOB NO.: 4431
DESIGN: JEE
DRAWN: JEE
CHECKED: TJV
SHEET NO. 20



STORM SEWER 4722 - 2702

GRANULAR BACKFILL

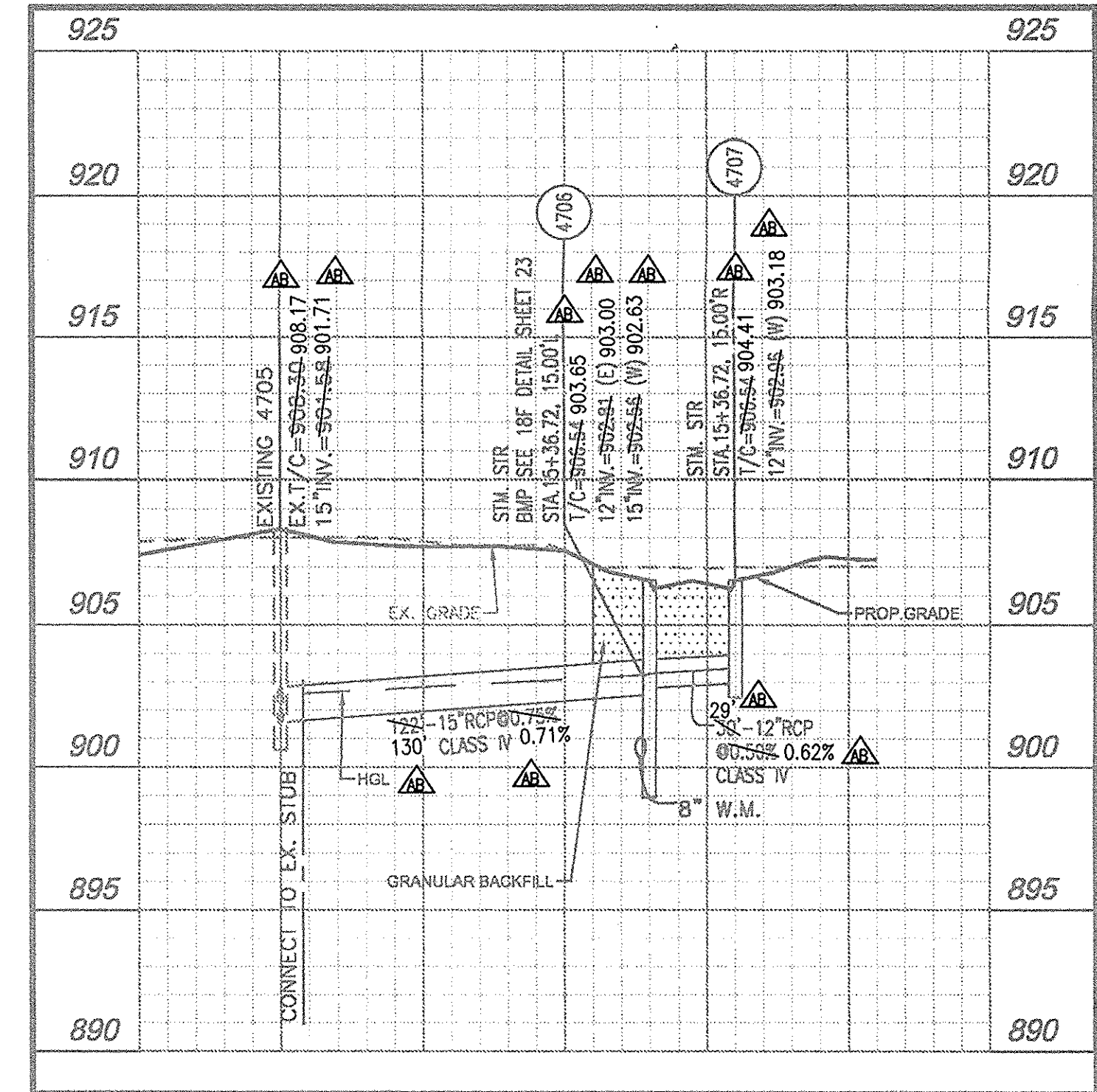
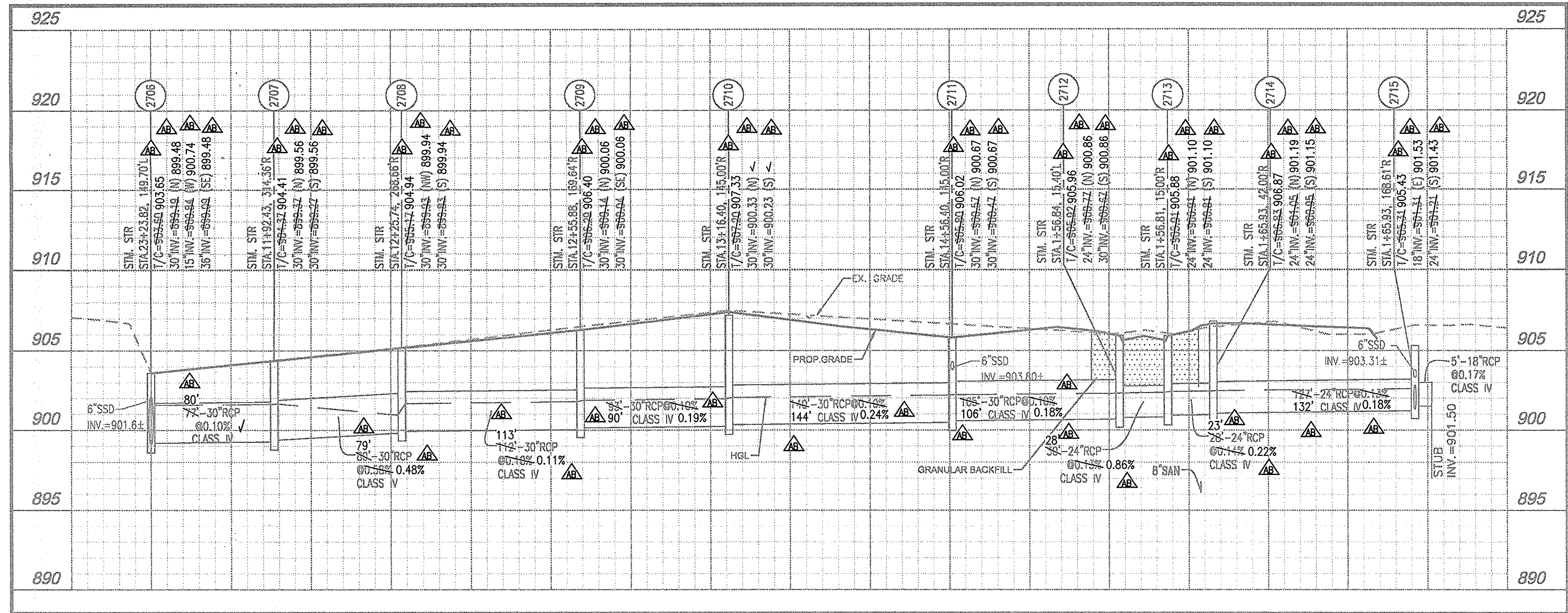
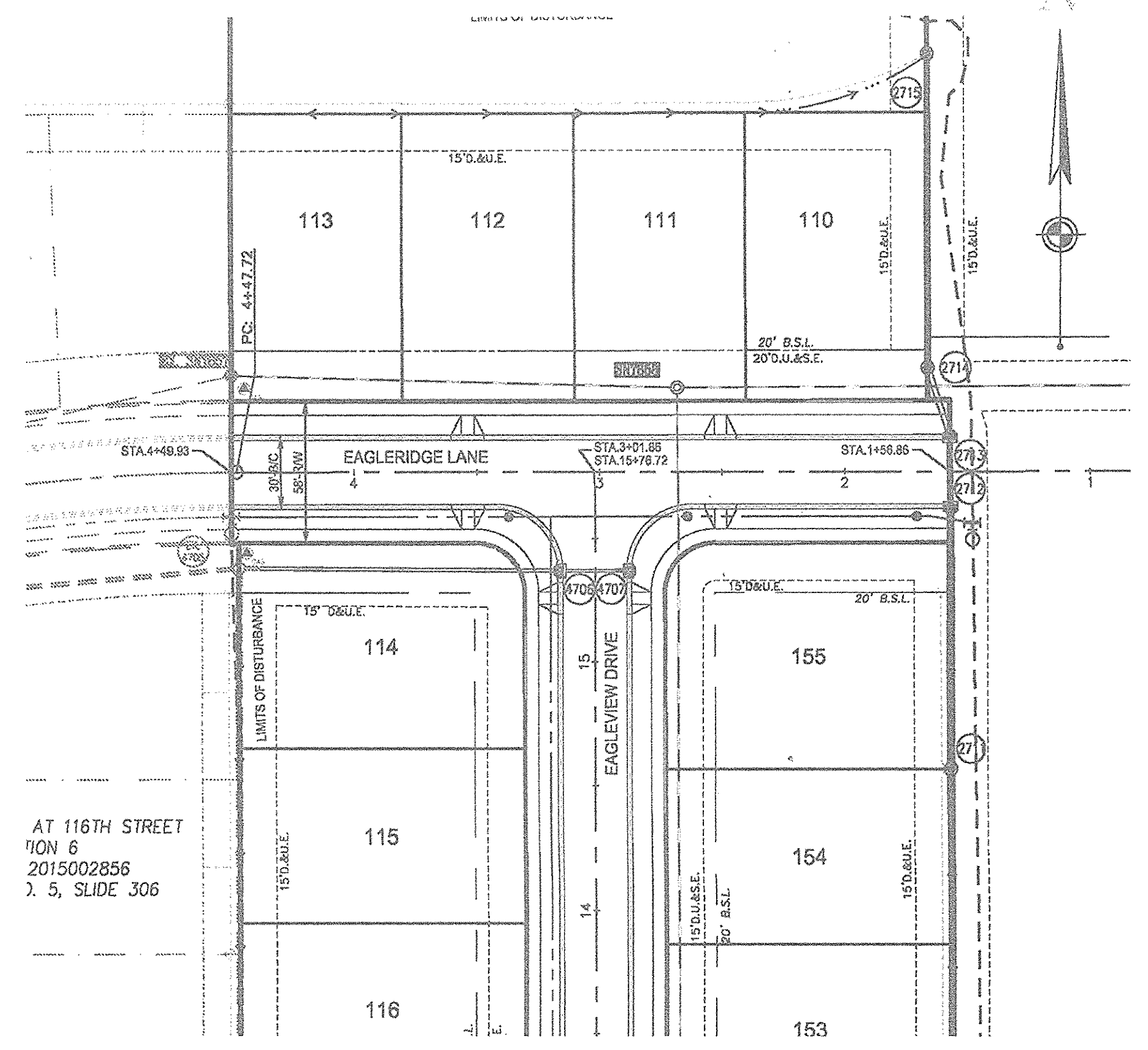
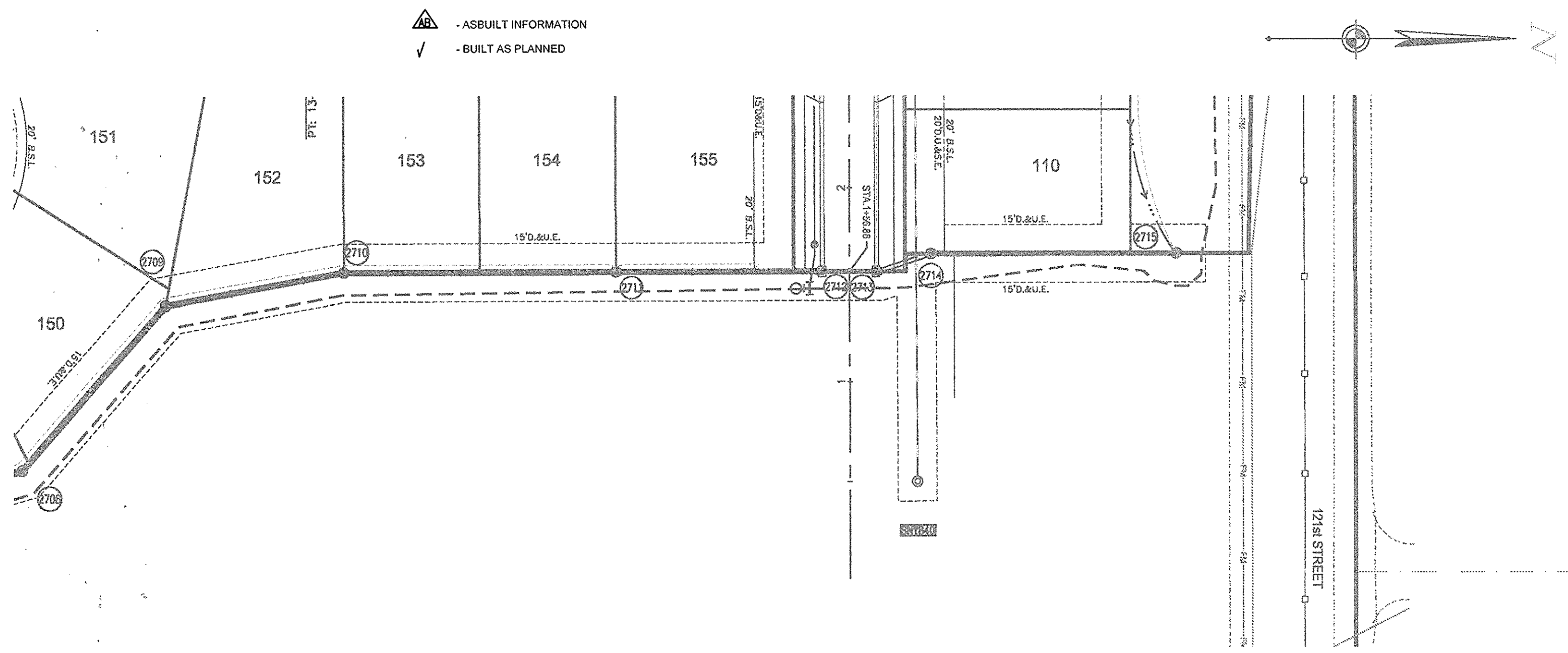
APPROVAL PENDING
NOT FOR CONSTRUCTION

SANCTUARY AT 116TH STREET
SECTION FOUR B

STORM SEWER PLAN AND PROFILE

INDIANA

CITY OF CARMEL



STORM SEWER 2706 - 2717

STORM SEWER 4705 - 4707

CITY OF CARMEL COVER AND BACKFILL POLICY; 9-8-06

WATER AND SEWER UNDER PAVEMENT, SIDEWALK, PAVED AREAS AND WITHIN RIGHT-OF-WAY

BEDDING, HAUNCHING, INITIAL BACKFILL

BEDDING, HAUNCHING AND INITIAL BACKFILL REQUIREMENTS AND COMPACTION FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION.

FINAL BACKFILL

FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5-FEET OF PAVEMENT OR SIDEWALK OR OTHER PAVED AREAS AND FOR ALL INSTALLATIONS WITHIN CITY RIGHT-OF-WAY SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. THE MATERIAL SHALL BE APPROVED BY THE CITY OF CARMEL DEPARTMENT OF ENGINEERING AT TIME OF INSTALLATION. FINAL BACKFILL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUB-BASE OF THE PAVEMENT SHALL BE NO. 55 STONE MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0". BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2'-5" FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

COVER HEIGHTS FOR REINFORCED CONCRETE PIPE STORM SEWER THAT ARE LESS THAN THOSE REQUIRED WILL BE EVALUATED ON A CASE BY CASE CONDITION AND APPROVED ONLY WITH WRITTEN PERMISSION BY THE CITY ENGINEER.

THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OF CARMEL, IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT-RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS OR 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION, PRIOR TO BACKFILLING THE PIPE. THE CONTRACTOR IS INSTRUCTED TO AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH DESIGN PLANS AND AS APPROVED BY THE CITY OF CARMEL.

STORM SEWER PLAN AND PROFILE NOTES:

FULL DEPTH GRANULAR BACKFILL SHALL BE PER DETAIL 10-28 ON SHEET 23. REFER TO DETAIL 10-28, SHEET 23 FOR TRENCHING, BACKFILL AND COVER REQUIREMENTS. PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND DOES NOT INCLUDE END SECTIONS.

THERE SHALL BE NO FRAMES, CASTINGS, OR VALVE BOX EXTENSIONS IN THE STREET PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATH FOR ANY UTILITY INSTALLATIONS IN THE RIGHT-OF-WAY WITH THE EXCEPTION OF CURB INLET CASTINGS.

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: Aug 2017

Entered By: SKM

BENCHMARK INFORMATION

BM 800 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE, 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421 AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION, SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND, A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED "B00 54 1989" ELEV. 900.78 FEET (1988 DATUM)

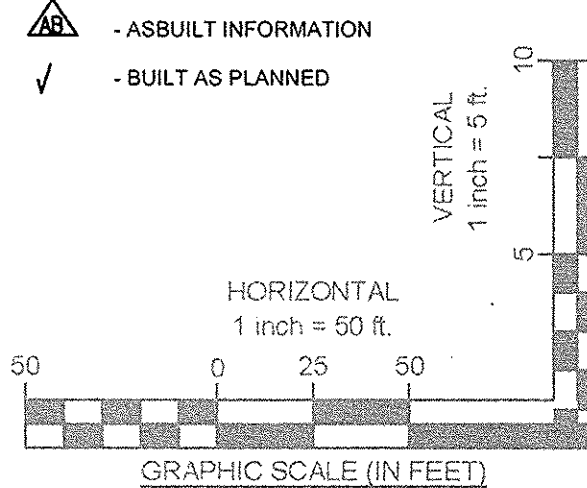
HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE

GRANULAR BACKFILL

RECORD DRAWING

STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
2-3-2017

JOSEPH TRTAN, LS21500003



REVISIONS NO.	DATE	DESCRIPTION

APPROVAL PENDING
NOT FOR
CONSTRUCTION

SANCTUARY AT 116TH STREET
SECTION FOUR B

STORM SEWER PLAN AND PROFILE

CITY OF CARMEL
INDIANA

CESQ
CREATION TO COMPLETION
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ISSUE:	CONSTRUCTION
DATE:	OCTOBER 2014
JOB NO.:	4431
DESIGN:	JEE
DRAWN:	JEE
CHECKED:	TJV
SHEET NO.:	21