



Kenton C. Ward, Surveyor Phone (317) 776-8495 Fax (317) 776-9628

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

To: Hamilton County Drainage Board

February 22, 2006

Re: J.W. Brendel Drain, Saddlebrook at Shelborne Arm

Attached is a petition filed by Leeds, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Saddlebrook at Shelborne Arm, J.W. Brendel 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	8,384 ft.	18" RCP	1,042 ft.	30" RCP	1,345 ft.
12" RCP	303 ft.	18" CMP	13 ft.	36" RCP	447 ft.
15" RCP	1,495 ft.	24" RCP	802 ft.	Twin 5'x7' CMP	16 ft.

The total length of the drain will be 13,847 feet.

With this development, the Oak Tree Drain will be intercepted at Structure 15 of the Stikeleather Relocation of the Oak Tree Drain (see my report approved by the Board on April 19, 1996, Minute Book 4, Page 237). Structure 15 of the Stikeleather Relocation is the same structure as Str. Ex-2 in the Saddlebrook at Shelborne plans. The drain to be removed is from Str. 15 to Str. 21 and Str. 21 to Str. 20, which will remove 842 feet of 8" PVC from the Oak Tree Drain.

The 16 feet of twin 5' x 7' CMP mentioned above extends the J.W. Brendel Drain from the current terminus per the 1934 legal description to the end of the existing pipes under Shelborne Road. The J.W. Brendel Drain is currently enclosed in 52 feet of twin 5'x7' CMP from the 1934 terminus to the east end of the culverts under Shelborne Road. With the Saddlebrook at Shelborne, the existing twin culverts will be extended upstream an additional 40 feet. All 108 feet of the twin 5'x 7' CMP culverts under Shelborne Road will become part of the J.W. Brendel Drain and will replace the existing open drain in that location.

The retention ponds located in Common Area Block "B" are to be considered part of the regulated drain. Pond maintenance shall include inlet, outlet, sediment removal and erosion control along the banks as part of the regulated drain. The maintenance of the ponds, such as mowing and aquatic vegetation control, will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the ponds were designed will be retained, thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines 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:

The SSD lines in the rear yard swales from Structure 744 to 747 across the north line of Lots 67 and 68 and the east line of Lots 66 and 67, 731 to 734 across the south line of Lots 33 to 39, 729 to 747 across the east side of Lots 65 to 62, and approximately 40 feet running south from Structure 743 across the east side of Lot 50.

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 roadway, \$65.00 per platted lot, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$2,732.20.

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

Agent: Madison Community Bank

Date: October 7, 2005

Number: 3256

For: Subsurface Drains Amount: \$84,348.00

Agent: Madison Community Bank

Date: October 7, 2005

Number: 3255

For: Erosion Control Amount: \$142,440.00

per 7, 2005 Date: October 7, 2005

Number: 3254 For: Storm Sewers Amount: \$374,520.00

Agent: Madison Community Bank

Parcels assessed for this drain may be assessed for the Long Branch Drain at sometime in the future.

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 attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Saddlebrook at Shelborne Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for October 23, 2006.

Kendon C. Ward, CFM Hamilton County Surveyor

KCW/pll

		(Revised 06/08/04)
STATE OF INDIANA)	
)	
COUNTY OF HAMILTO	И)	
TO: HAMILTON COUNTY Some Hamilton County Some Hamilton County Noblesville, IN. 46	urveyor nty Square, Suite 188	
In the matter of	Saddlebrook at Shelborne	Subdivision, Section
	Drain Petition.	
drainage will affect various County, Indiana. The generation	r of all lots in the land affected by the slots in Saddlebrook at Shelb ral route of such drainage shall be in s on file in the Surveyor's Office.	orne , a subdivision in Hamilton

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

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

believes the proposed improvements will:

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.

Adobe PDF Fillable Form

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

Bri Martine 4- State	
Signed	Signed
Michael H. Stiteleather Manger Printed Name	Printed Name
7//2/05 Date	Date
Signed	Signed
Printed Name	Printed Name
Date	Date

HAMILTON COUNTY DRAINAGE BOARD NOBLESVILLE, INDIANA

)

IN RE:	: Hamilton County, Indiana	_)
	PETITION FOR RELOCATION ANI	RECONSTRUCTION
	Leeds, LLC	(hereinafter Petitioner"),
hereby	petitions the Hamilton County Drainage Board	I for authority to relocate and improve a
section	n of the Oak Tree Regulated	Drain, and in support of
said pe	etition advises the Board that:	
1.	Petitioner owns real estate through which a po	rtion of theOak Tree Regulated
	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	Pak Tree Regulated Drain, as
	specifically shown on engineering plans and s	pecifications filed with the Hamilton
	County Surveyor.	
4.	The work necessary for the proposed relocation	on and reconstruction will be undertaken at
	the sole expense of the Petitioner and such wo	ork will result in substantial improvement to
	the Oak Tree Regulated Dr	ain, without cost to other property owners
	on the watershed of theOak Tree I	Regulated Drain.
5.	Proposed relocation and reconstruction will n	ot adversely affect other land owners within
	the drainage shed.	
6.	Petitioner requests approval of the proposed r	elocation and reconstruction under
	IC 36-9-27-52.5.	
V	WHEREFORE, Petitioner requests that an Orde	er issued from the Hamilton County
Draina	age Board authorizing relocation and reconstruc	tion of theOak Tree Regulated
Drain,	in conformance with applicable law and plans	and specifications on file with the Hamilton
County	y Surveyor. By:	Michael H. Sthelatter
	Signed	
	Michael Printed	H. Stikeleather Manyong Lews, LLC

Adobe PDF Fillable Form

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

J. W. Brendel Drain, Saddlebrook at Shelborne Section 1 Arm

On this 23rd day of October 2006, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the J. W. Brendel Drain, Saddlebrook at Shelborne Section 1 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

Aun a doll

Member

Jany D. Ruhn

Member

Attest: Signetto Mostrang

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF J. W. Brendle Drain, Saddlebrook at Shelborne Arm

NOTICE

Го	Whom	It	Мау	Concern	and:_	
					_	

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the J. W. Brendle Drain, Saddlebrook at Shelborne Arm on October 23, 2006 at 9:45 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

J. W. Brendel Drain, Saddlebrook at Shelborne Section 1 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on October 23, 2006 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

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Saddlebrook at Shelborne Section 1 and 2 Carmel, Indiana

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: huty	Mu Date:	10-12-07
Type or Print Name:	Christopher M. Wiseman	<u> </u>
Business Address:	7172 Graham Road	
· · · · · · · · · · · · · · · · · · ·	Indianapolis, IN 46250	
Telephone Number:	317-842-6777	<u>.</u>



INDIANA REGISTRATION NUMBER
PE 1050 4920





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

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

To: Hamilton County Drainage Board

September 5, 2008

Re: JW Brendle Drain: Saddlebrook at Shelborne Section 1

Attached are as-builts, certificate of completion & compliance, and other information for Saddlebrook at Shelborne Section 1. 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 February 22, 2006. The report was approved by the Board at the hearing held October 23, 2006. (See Drainage Board Minutes Book 9, Pages 515-517) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes:
735-725	122	15	RCP	899.66	898.56	0.9	1
705B-708	33	12	RCP	894.61	894.43	0.55	-2
708-707	28	15	RCP	899.98	894.43	0.28	-2
707-706	52	18	RCP	894.21	894.13	0.15	
705c-705	81	18	RCP	890.33	889.65	0.84	-1
705-704	28	18	RCP	889.59	889.19	1.43	-2
704-703	38	18	RCP	889.19	888.79	1.01	2
703-702	284	18	RCP	888.74	884.91	1.35	
718-717	73	12	RCP	899.98	899.61	0.51	1
717-716	17	12	RCP	899.61	899.54	0.42	2
716-715	28	12	RCP	899.54	899.31	0.81	-2
715-710	166	15	RCP	899.24	897.55	1.02	1
714-713	28	12	RCP	901.99	901.79	0.71	-2
713-712	162	15	RCP	901.79	900.57	0.75	-2
712-711	258	15	RCP	900.57	899.09	0.57	1
711-710	200	18	RCP	899.05	897.54	0.75	
710-709	204	24	RCP	897.54	896.46	0.53	-3
728-727	40	24	RCP	899.14	899.06	0.2	-1
727-726	28	24	RCP	899.06	899.02	0.14	-2
726-725	185	24	RCP	899.02	898.58	0.24	

725-724	193	30	RCP	898.58	898.12	0.22	3
724-723	137	30	RCP	898.1	897.64	0.34	2
723-722	96	30	RCP	897.64	897.14	0.52	1
722-760	91	30	RCP	897.14	896.8	0.38	
760-721	16	36	RCP	896.79	896.75	0.26	
721-720	29	36	RCP	896.62	896.7	0.28	2
720-719	177	36	RCP	896.66	896.18	0.27	-2
737-736	27	15	RCP	900.81	900.66	0.55	-3
736-728	32	15	RCP	900.66	900.33	1.03	2
734-733	161	15	RCP	899.76	898.97	0.49	1
733-732	27	24	RCP	898.94	898.33	2.22	-3
732-724	34	24	RCP	898.3	898.12	0.53	-1
731-730	214	18	RCP	900.36	899.87	0.23	-1
730-729	83	18	RCP	899.87	899.77	0.12	
729-728	145	24	RCP	899.77	899.16	0.42	1
747-746	153	30	RCP	899.24	898.88	0.24	-1
746-745	151	30	RCP	898.88	898.58	0.21	
745-744	183	30	RCP	898.58	898.45	0.07	3
744-743	108	30	RCP	898.43	898.08	0.32	
742-741	87	30	RCP	897.38	897	0.44	
741-740	28	30	RCP	896.95	896.88	0.25	-2
743-742	125	30	RCP	898.15	897.41	0.59	
740-739	174	30	RCP	896.85	896.3	0.32	4
739-738	36	36	RCP	896.3	896.22	0.17	-12
759-758	119	12	RCP	890.06	888.61	1.22	-2
750-749	141	15	RCP	900.6	899.98	0.44	
748-766	20	24	RCP	899.9	899.85	0.25	
749-748	30	18	RCP	899.98	899.9	0.27	-
766-747	142	24	RCP	899.85	899.24	0.42	2
747-746	153	30	RCP	899.24	898.88	0.24	<u>-</u> -1
705b-705a	66	15	RCP	895.7	894.74	1.46	-3
705A-705	329	15	RCP	894.59	889.72	1.48	1
702-701	13	18	СМР	884.74	884.4	2.61	•

6" SSD Streets:

Homestretch	1646.5
Whispering	77-20
Pines	941
Winners Cir	665
x2	

Total: ____6505

RCP Pipe Totals:

	12	298
	15	1492
	18	1023
***	24	825
	30	1679

6" SSD Lots:

U SSD LUIS.	
33-39	763
66-68	585
62-65	387
69	40

Total: 1775

Other	
Drain:	
18" cmp	13
5x7 cmpa	140

The length of the drain due to the changes described above is now **14,008 feet**. It should be noted that the original JW Brendle open ditch was enclosed between Sta 85+87 to Sta 84+97. This was done with 140 feet of twin 5x7 cmpa under Shelborne Rd. Therefore, 50 feet of drain was added to the overall JW Brendle watershed.

The non-enforcement was approved by the Board at its meeting on October 23, 2006 and recorded under instrument #200600063999.

The following sureties were guaranteed by Madison Community Bank and released by the Board on its November 13, 2007 meeting.

Bond-LC No: 3254

Insured For: Storm Sewers

Amount: \$55, 800

Issue Date: October 8, 2006

Bond-LC No: 3256

Insured For: Sub-surface Drains

Amount: \$36,396.00

Issue Date: October 8, 2006

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

Sincerely,

Bond-LC No: 3255

Amount: \$47,480.00

Insured For: Erosion Control

Issue Date: October 8, 2006

Kent**O**n C. Ward, **C**FM Hamilton County Surveyor

KCW/slm

ONE CIVIC SQUARE CARMEL, IN 46032

JAMES BRAINARD, MAYOR

Ph. (317) 571-2403 FAX 317) 844-3498

OWNER.

LEEDS, LLC. MICHAEL STIKELEATHER

5300 HESSLER ROAD MUNCIE, INDIANA 47304

Ph. (765) 282-1010

FAX (765) 282-2218

ENGINEER:



Architects + Engineers

Solutions by Design Since 1937

7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250 (317) 842-6777 FAX (317) 841-4798

STORM RECORD DRAWING NOTES:

HORIZONTALY AND VERTICALY. THERE IS NO GUARANTEE THAT THE PIPE IS IN A STRAIGHT LINE BETWEEN THE STRUCTURES, HOWEVER FOR PURPOSES OF CALCULATION THIS IS ASSUMED. NOTE 2: ALL RECORD DRAWING ELEVATIONS SHOWN ARE WITHIN ±0.05 FEET ON HARD SURFACES AND

NOTE 3: ALL FIELD WORK FOR THE 'RECORD DRAWINGS' WAS COMPLETED ON THE 8TH DAY NOTE 4: DISTANCES BETWEEN STRUCTURES ARE TAKEN FROM THE FIELD LOCATION OF THE CASTING

DRAINS AS WELL AS ANY OTHER ITEMS SPECIFICALLY INCLUDED IN THE CONTRACT FOR SERVICES

TO THE FIELD LOCATION OF THE CASTING. NOTE 5: CALCULATED PERCENT GRADES ASSUME THAT ALL FIELD LOCATED INVERT SHOTS ARE PLUS OR MINUS 0.05 FOOT AND INVERTS MAY BE ADJUSTED WITHIN THESE LIMITS TO MEET MINIMUM PIPE GRADES. FURTHER, THE PIPE LENGTH IS TAKE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. IN CACULATING PERCENT GRADES THE PIPE LENGTH MAY BE SHORTENED BY 1 FOOT TO ASSIST IN MEETING MINIMUM PIPE GRADE. NOTE 6: ONLY STORM SEWER STRUCTURES, PIPES, LATERALS AND SUBSURFACE

ARE CONSIDERED A PART OF THESE 'RECORD DRAWINGS'. THIS FIRM EXCLUDES ANY OTHER ITEMS FROM BEING CONSIDERED 'A MATTER OF RECORD' PER THIS PLAN SET. LAST REVISION 1/20/05 CMQ

LEGAL DESCRIPTION

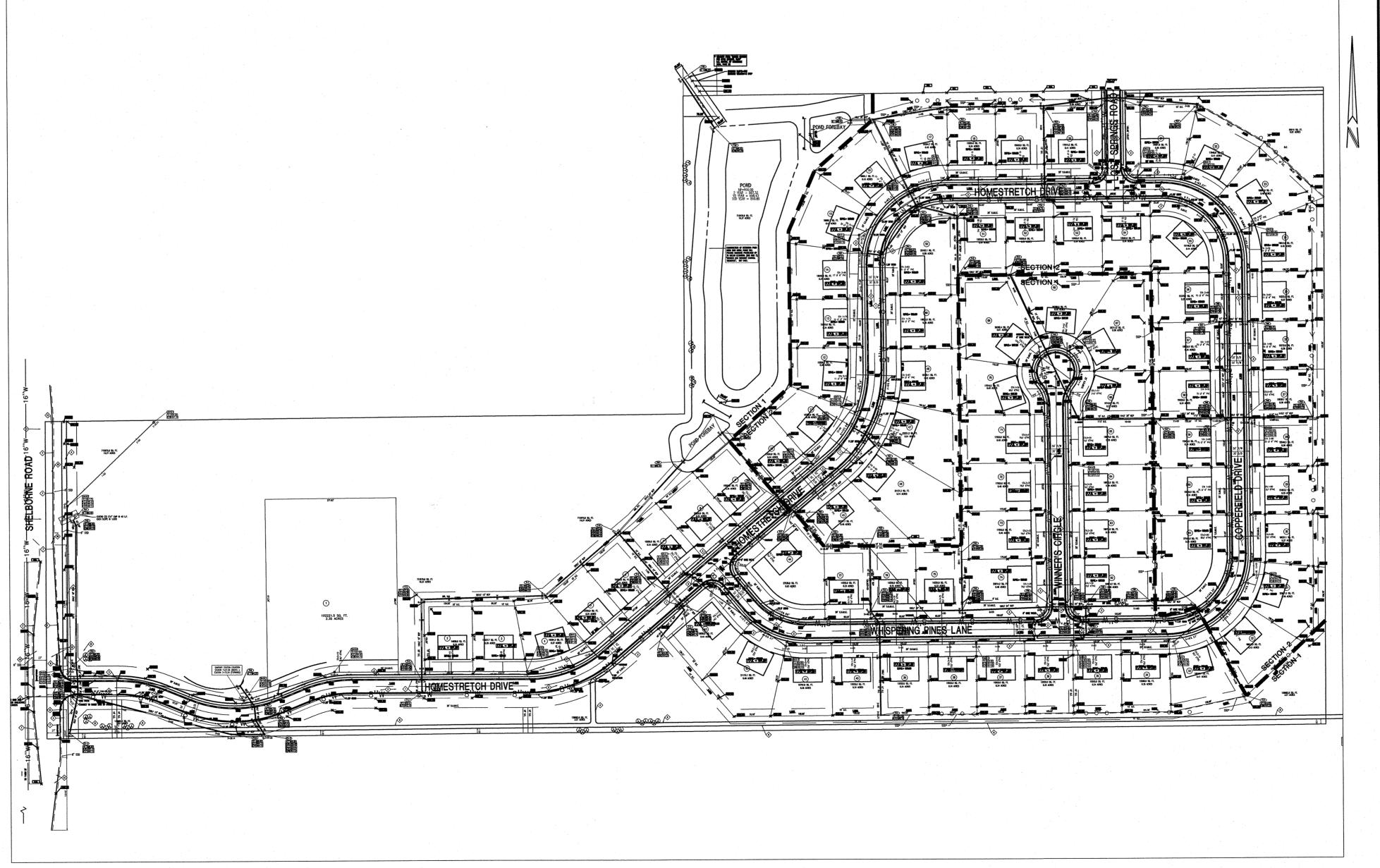
The following perimeter description was intended to lie entirely within land description of record per Instrument No. 9709729791 as recorded in the Office of the Recorder of Hamilton County, Indiana and more particularly described as

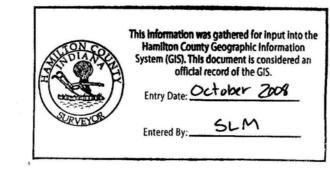
The North Half of the Southwest Quarter of Section 32, Township 18 North, Range 3 East, Excepting the North Half of the Northwest Quarter of the Southwest Quarter of Section 32, Township 18 North, Range 3 East, Clay Township, Hamilton County, Indiana, and being more particularly described as follows:

Commencing at the Northwest corner of the Southwest Quarter of said Section 32, thence North 89 degrees 27 minutes 59 seconds East (bearing based upon the State Plane Grid Bearings, Indiana East Zone, North American Datum[NAD] 83) 1327.22 feet along the North line of said Southwest Quarter section to the Point of Beginning; thence continuing, North 89 degrees 27 minutes 59 seconds East 1327.22 feet to the Northeast corner of said Southwest Quarter section; thence South 00 degrees 05 minutes 32 seconds West 1319.85 feet along the East line of said Southwest Quarter section to the Southeast corner of the North Half of said Southwest Quarter section; thence South 89 degrees 33 minutes 29 seconds West 2652.38 feet along the South line of the aforesaid North Half to the West line of said Southwest Quarter section; thence North 00 degrees 00 minutes 17 seconds East 657.79 feet along said West line to the Southwest corner of the North Half of the Northwest Quarter of the Southwest Quarter section; thence North 89 degrees 30 minutes 44 seconds East 1326.70 feet along the South line of the aforesaid North Half Quarter-Quarter section to the Southeast corner thereof; thence North 00 degrees 02 minutes 55 seconds East 658.86 feet along the East line of the aforesaid North Half Quarter-Quarter section to the Northeast corner of the aforesaid North Half Quarter-Quarter section and the Point of Beginning, containing 60.210 acres, more or less.

Subject to all easements, rights of way and restrictions of record.

RECORD DOCUMENTS **FOR** SADDLEBROOK AT SHELBORNE CARMEL, INDIANA SECTION ONE & TWO





SHADED AREA INDICATES FUTURE SECTION 2 DEVELOPMENT. NOTE: ALL EARTHWORK FOR SECTION 1 & 2 SHALL BE COMPLETED DURING SECTION 1 PROJECT DATA

INDEX DESCRIPTION

STORM SEWER PLAN & PROFILES STORM SEWER DETAILS

BENCHMARKS

Origin Benchmark: station - Lee 2 AZI, is located approximately 2.5 miles northeast of Zionsville; at the intersection of Shelborne Road and West 131st Street, in the Southeast quarter of the intersection; set in top of a concrete post, level with the roadway; a Department of Natural Resources brass control station tablet, stamped "LEE 2 AZI 1989" Elev. = 917.887 (N.G.V.D. 1929)

Site Benchmarks: Set a large Hinge Nail in the west side of a 36" Hickory located 300 feet to east of Control Point No. 200. (from the intersection of the south property line of the parcel at 11901 Shelborne Road and the centerline of said road North 435 feet+/- along the centerline of Shelborne Road then East 1230 feet+/- to a 36"

CONTACT CO. / PERSON FOR

AGENCY/CONTACT CINERGY-DEAN GROVES 581-3052 581-3031 VECTREN-CHUCK SHUPPERD 776-5597 776-5553 TELEPHONE SBC-JEFF RICE 252-4274 252-5000 632-5311 CABLE TV TIME WARNER-JEFF FARMER 632-9077 571-2642 CARMEL UTILITIES - PAUL PAGE WATER 571-2442 CLAY TOWNSHIP REGIONAL WASTE 844-9203 571-2426 CITY OF CARMEL-MICHAEL McBRIDE 571-2441 DRAINAGE - CITY 776-9628 - COUNTY CO. SURVEYOR-KENT WARD CITY OF CARMEL-MICHAEL McBRIDE 571-2441 571-2426 CITY OF CARMEL 571-2417 EROSION CONTOL 773-2181 SWCD-JOHN SOUTH CITY OF CARMEL-SCOTT BREWER 571-2417

URBAN FORESTER AT LEAST TWO FULL
WORKING DAYS BEFORE AT LEAST TWO FULL

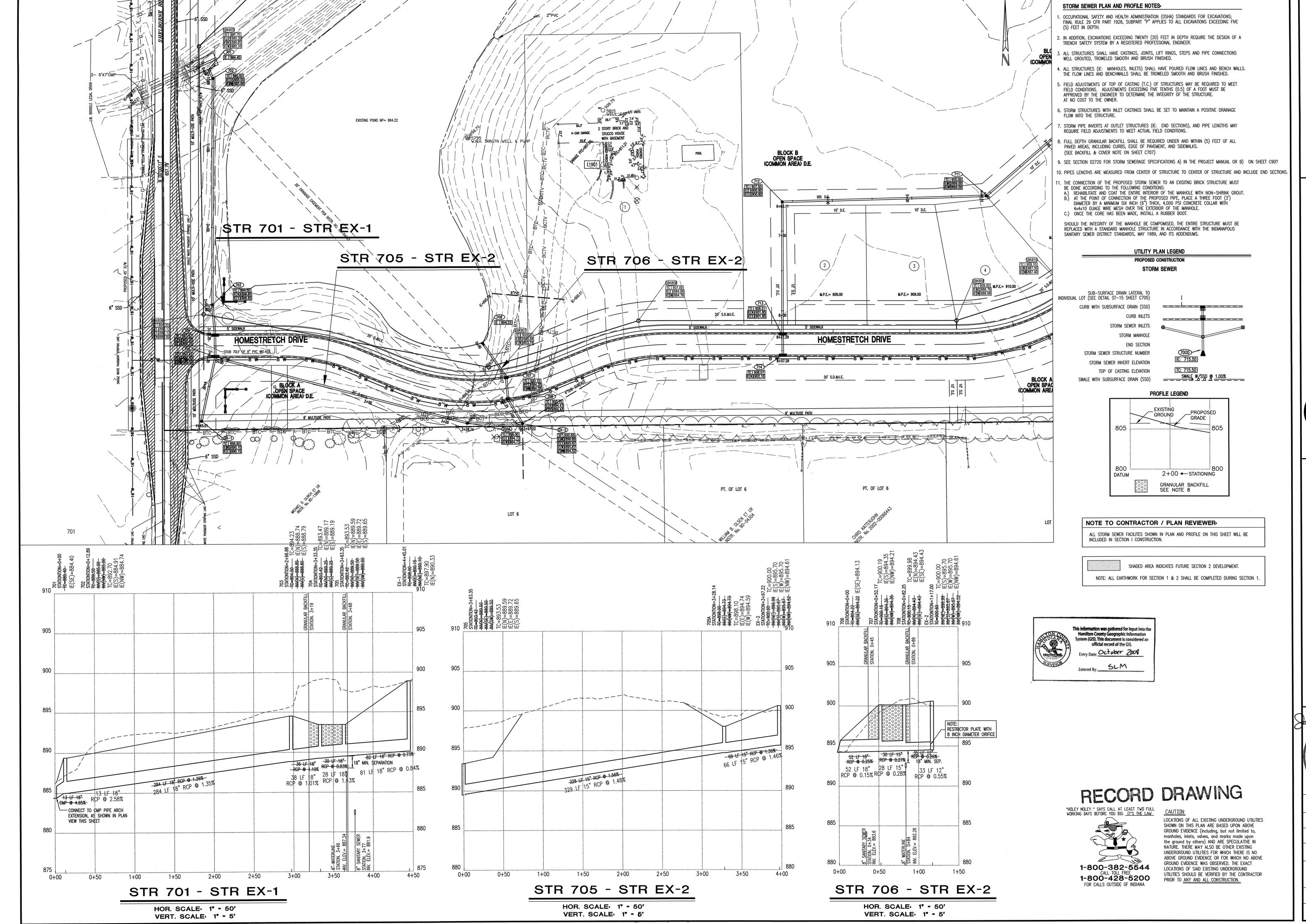
1-800-382-5544 1-800-428-5200 FOR CALLS OUTSIDE OF INDIANA

317-842-6777 FAX-841-4798 EXT. NO. PROJECT ENGR 626 PROJECT SURVEYOR CAD TECH.

DWG. TYPE FILE NUMBER

05-14-07

This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060



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SADDLEBROOK AT SHELBORNE

LEEDS, LLC

5300 HESSLER ROAD

MUNCIE, INDIANA 47304

Joseph O. Sharper

No. 15179 STATE OF

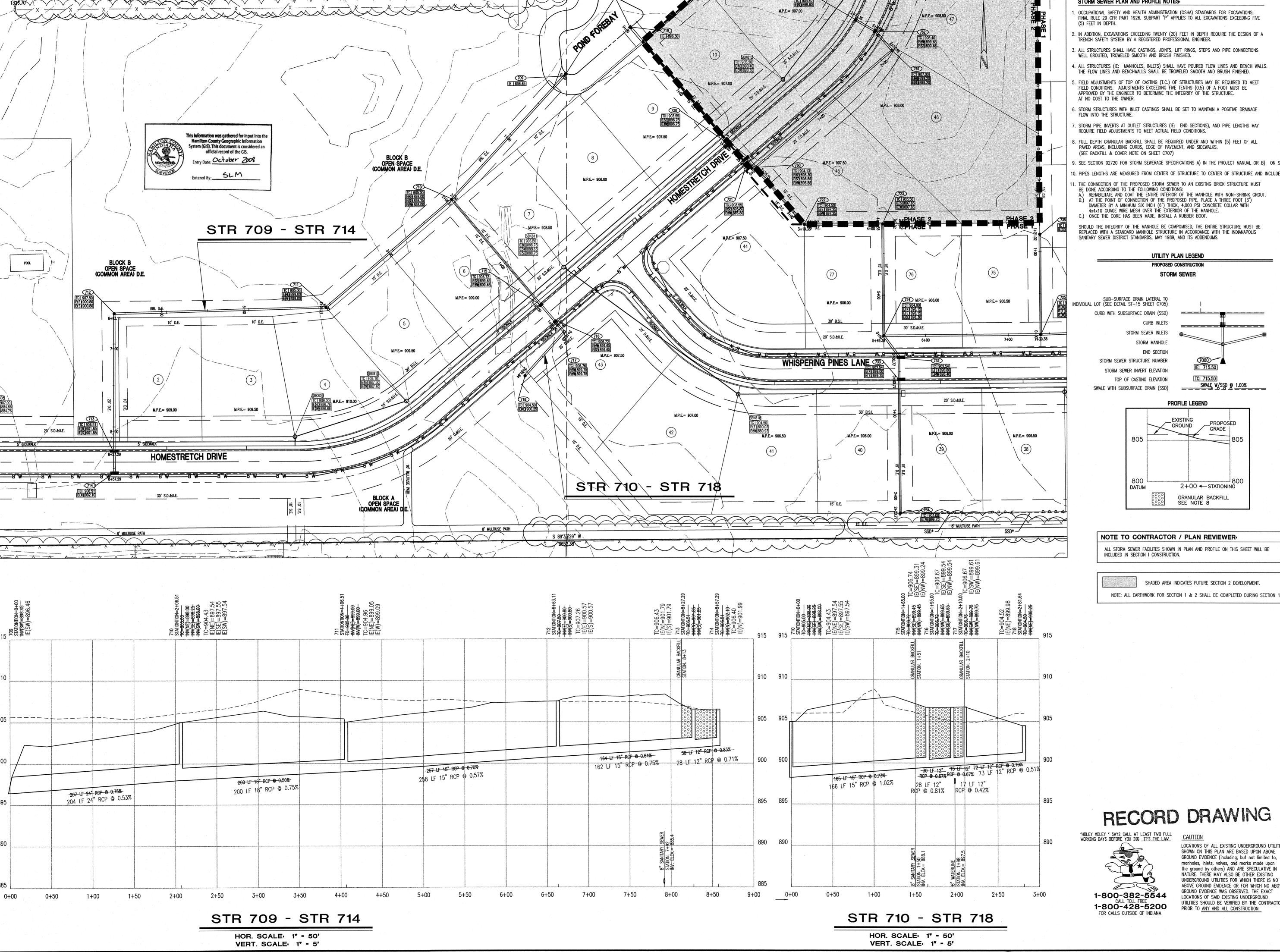
5-22-07 **AFERESTAD**

MRIGGS Quality Assurance: **D LACH**

C701

02/28/05

010463-20100



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

TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.

3. ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.

THE FLOW LINES AND BENCHWALLS 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

6. STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE

Y. STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.

8. FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.

(SEE BACKFILL & COVER NOTE ON SHEET C707) . SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C90?

PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.

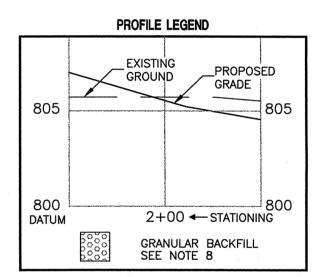
THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISITNG BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS: REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT. B.) AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4,000 PSI CONCRETE COLLAR WITH

4x4x10 GUAGE WIRE MESH OVER THE EXTERIIOR OF THE MANHOLE. ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.

SHOULD THE INTEGRITY OF THE MANHOLE BE COMPOMISED, THE ENTIRE STRUCTURE MUST BE REPLACED WITH A STANDARD MANHOLE STRUCTURE IN ACCORDANCE WITH THE INDIANAPOLIS SANITARY SEWER DISTRICT STANDARDS, MAY 1989, AND ITS ADDENDUMS.

> UTILITY PLAN LEGEND PROPOSED CONSTRUCTION STORM SEWER

SUB-SURFACE DRAIN LATERAL TO INDIVIDUAL LOT (SEE DETAIL ST-15 SHEET C705) CURB WITH SUBSURFACE DRAIN (SSD) STORM SEWER INLETS STORM MANHOLE END SECTION STORM SEWER STRUCTURE NUMBER STORM SEWER INVERT ELEVATION TC: 715.50 TOP OF CASTING ELEVATION _____SWALE W/SSD @ 1.00% SWALE WITH SUBSURFACE DRAIN (SSD)



NOTE TO CONTRACTOR / PLAN REVIEWER

ALL STORM SEWER FACILITES SHOWN IN PLAN AND PROFILE ON THIS SHEET WILL BE INCLUDED IN SECTION I CONSTRUCTION.

SHADED AREA INDICATES FUTURE SECTION 2 DEVELOPMENT.

RECORD DRAWING



1-800-382-5544 1-800-428-5200

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

05-14-07

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SADDLEBROOK AT SHELBORNE

SADDLEBROOK AT SHELBORNE

LEEDS, LLC

5300 HESSLER ROAD

MUNCIE, INDIANA 47304

No. 15179 STATE OF

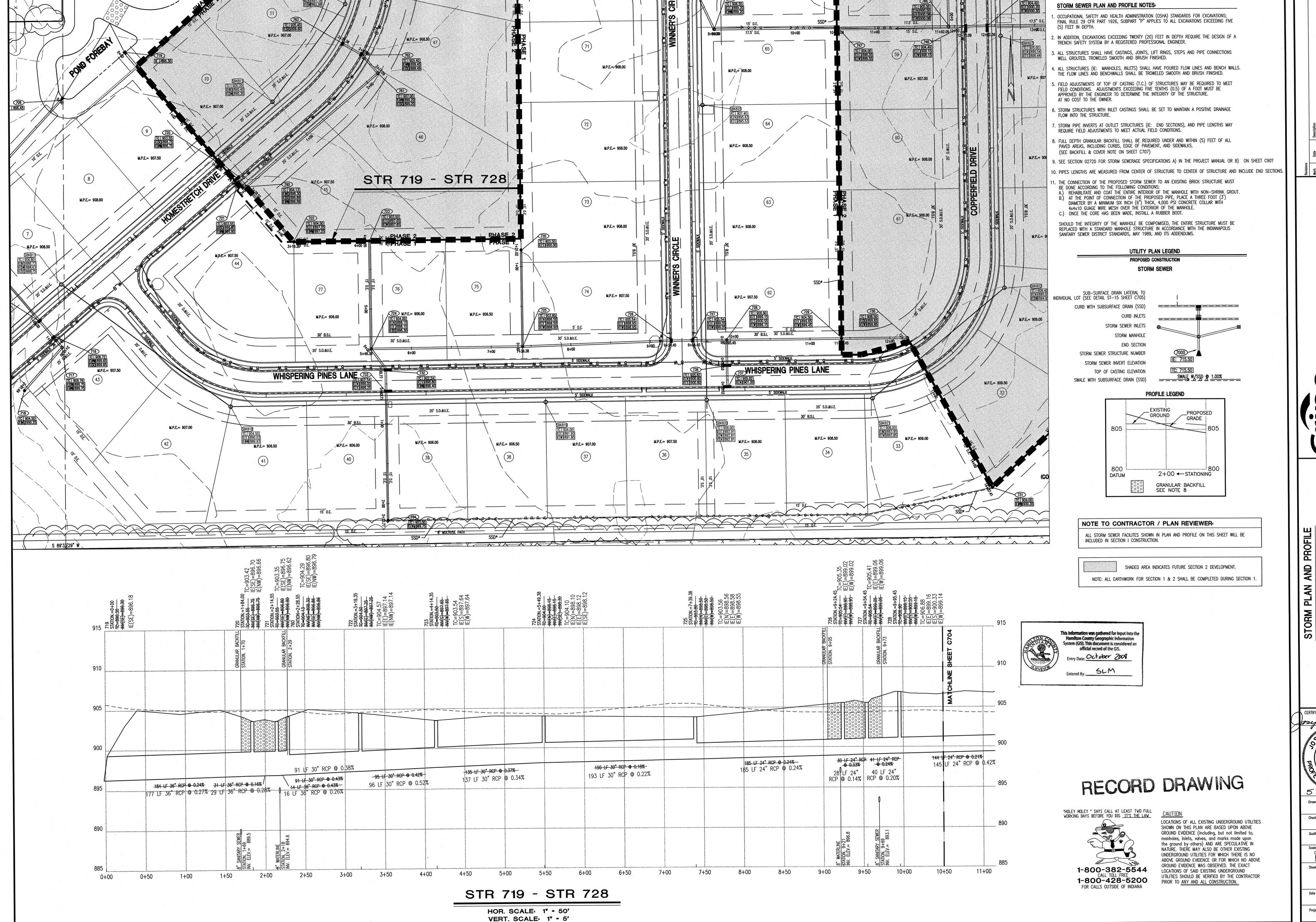
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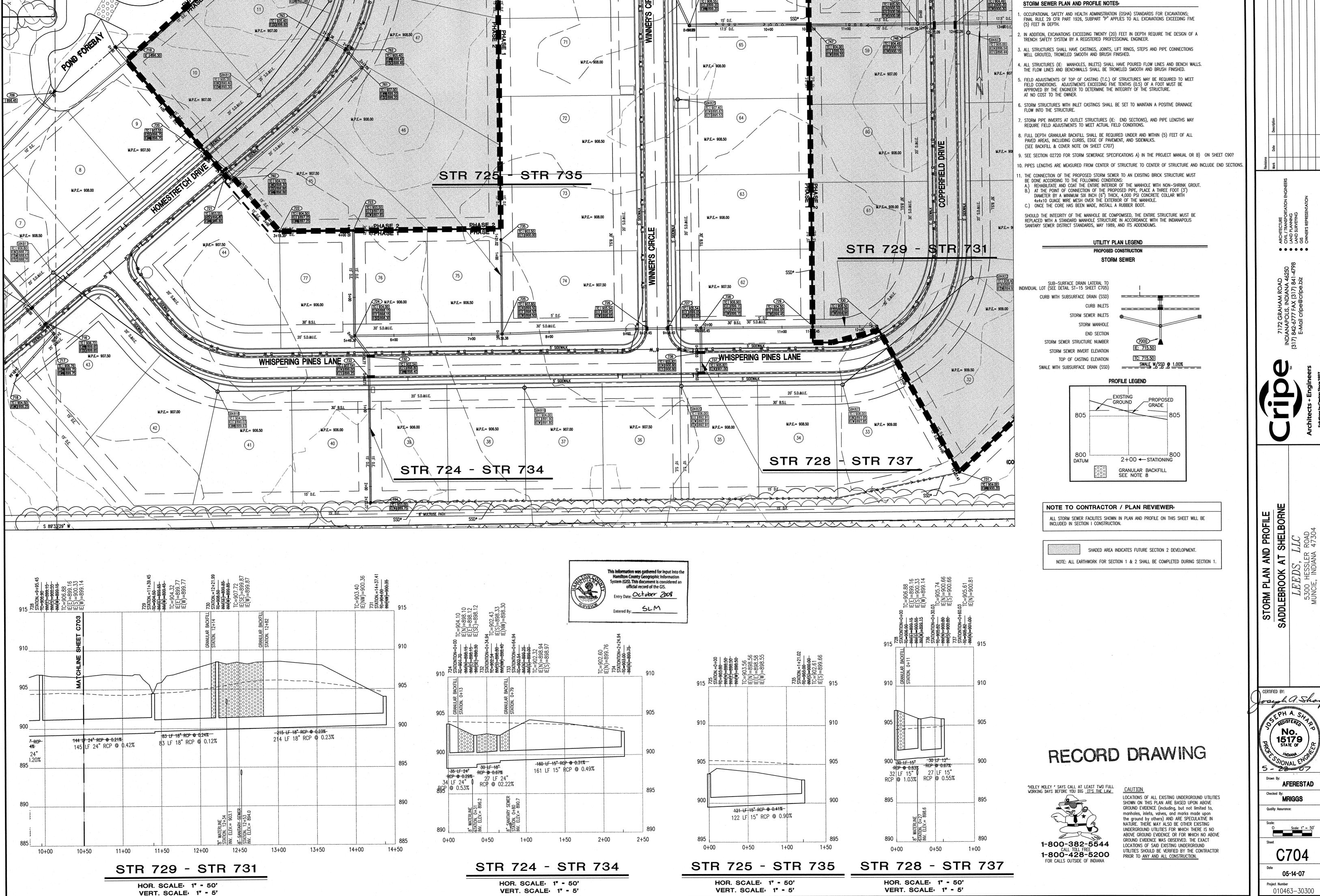


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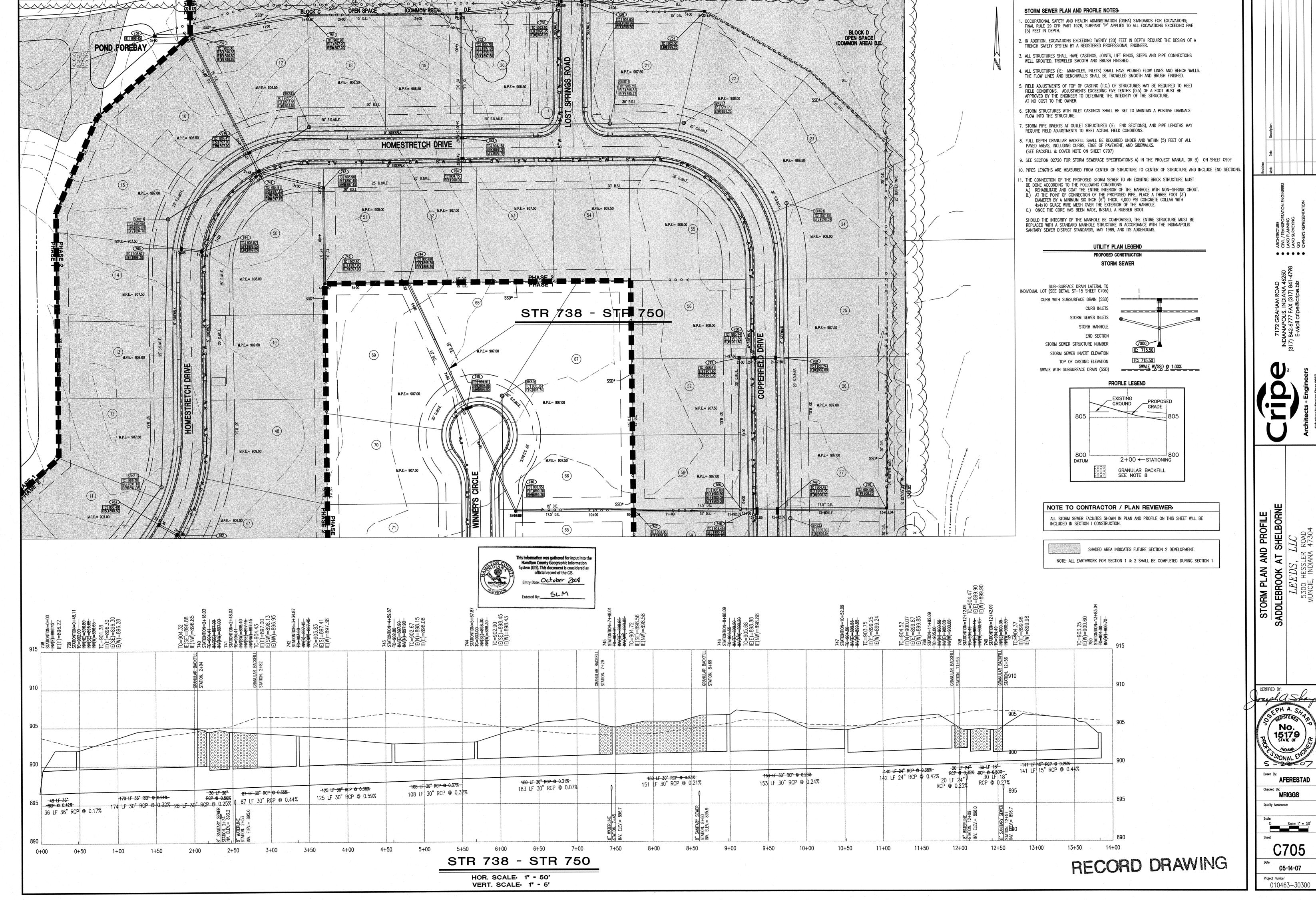
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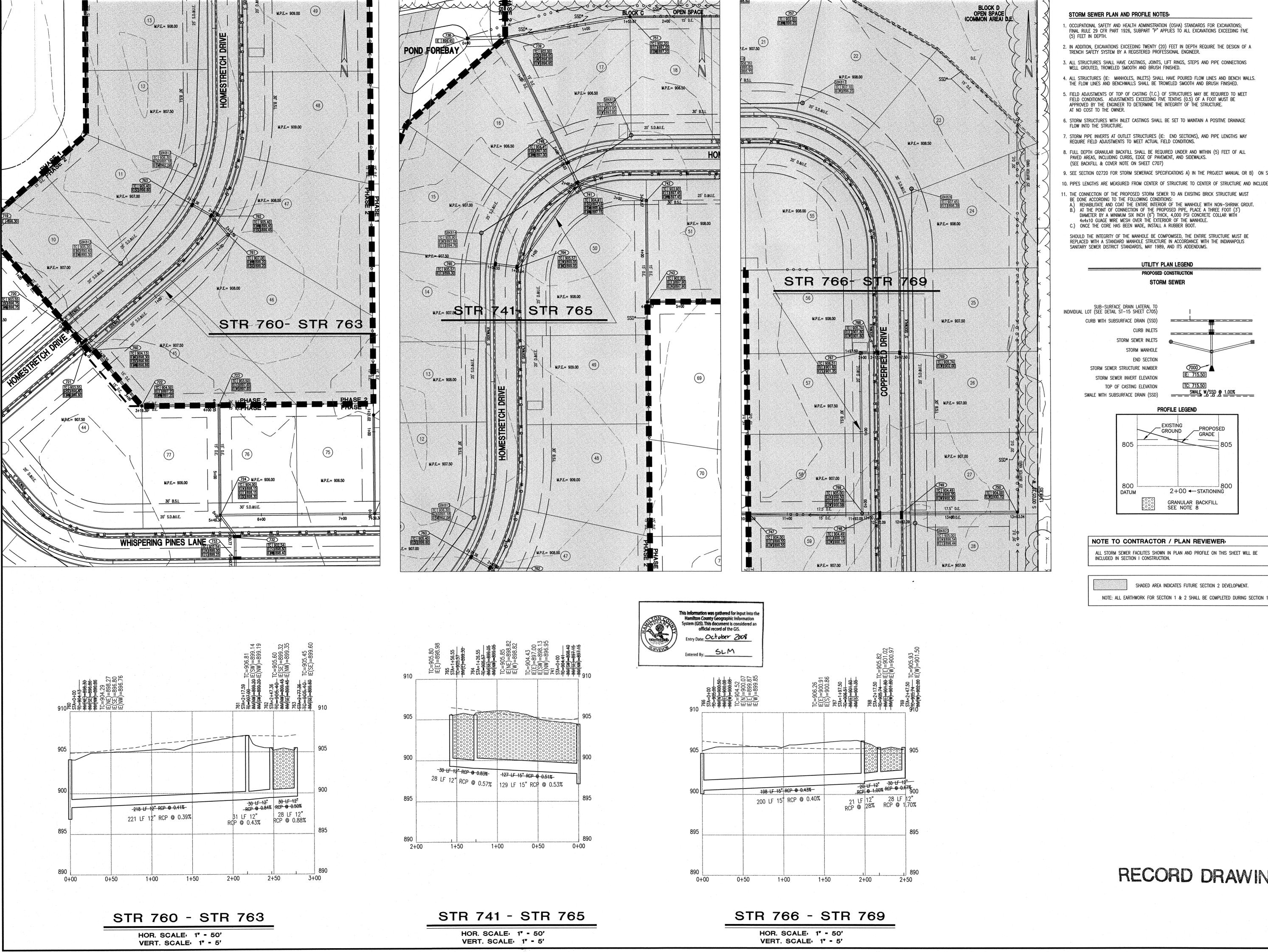
O Scale: 1" = 50

C705

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STORM SEWER PLAN AND PROFILE NOTES:

- 1. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE
- TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- 3. ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
- 4. ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
- 5. 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.
- 6. STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE
- 7. STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY
- REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
- 8. FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS. (SEE BACKFILL & COVER NOTE ON SHEET C707)
- 9. SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C90? 10. PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
- 11. 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.
- B.) 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
- 4x4x10 GUAGE WIRE MESH OVER THE EXTERIIOR OF THE MANHOLE. C.) ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.

SHOULD THE INTEGRITY OF THE MANHOLE BE COMPOMISED, THE ENTIRE STRUCTURE MUST BE REPLACED WITH A STANDARD MANHOLE STRUCTURE IN ACCORDANCE WITH THE INDIANAPOLIS SANITARY SEWER DISTRICT STANDARDS, MAY 1989, AND ITS ADDENDUMS.

> UTILITY PLAN LEGEND PROPOSED CONSTRUCTION STORM SEWER

CURB WITH SUBSURFACE DRAIN (SSD)

STORM SEWER INLETS STORM MANHOLE STORM SEWER STRUCTURE NUMBER STORM SEWER INVERT ELEVATION

END SECTION TOP OF CASTING ELEVATION SWALE WITH SUBSURFACE DRAIN (SSD)

SWALE W/SSD @ 1.00%

STATE OF THE PROPERTY OF THE P

PROFILE LEGEND GROUND GRADE 2+00 ← STATIONING DATUM

GRANULAR BACKFILL SEE NOTE 8

NOTE TO CONTRACTOR / PLAN REVIEWER.

ALL STORM SEWER FACILITES SHOWN IN PLAN AND PROFILE ON THIS SHEET WILL BE INCLUDED IN SECTION I CONSTRUCTION.

SHADED AREA INDICATES FUTURE SECTION 2 DEVELOPMENT.

RECORD DRAWING

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SADDLEBROOK AT SHELBORNE

LEEDS, LLC

5300 HESSLER ROAD

MUNCIE, INDIANA 47304

CERTIFIED BY:

Skarp

A. Skarp

Butter PH A. Skarp

Skarp

AFERESTAD

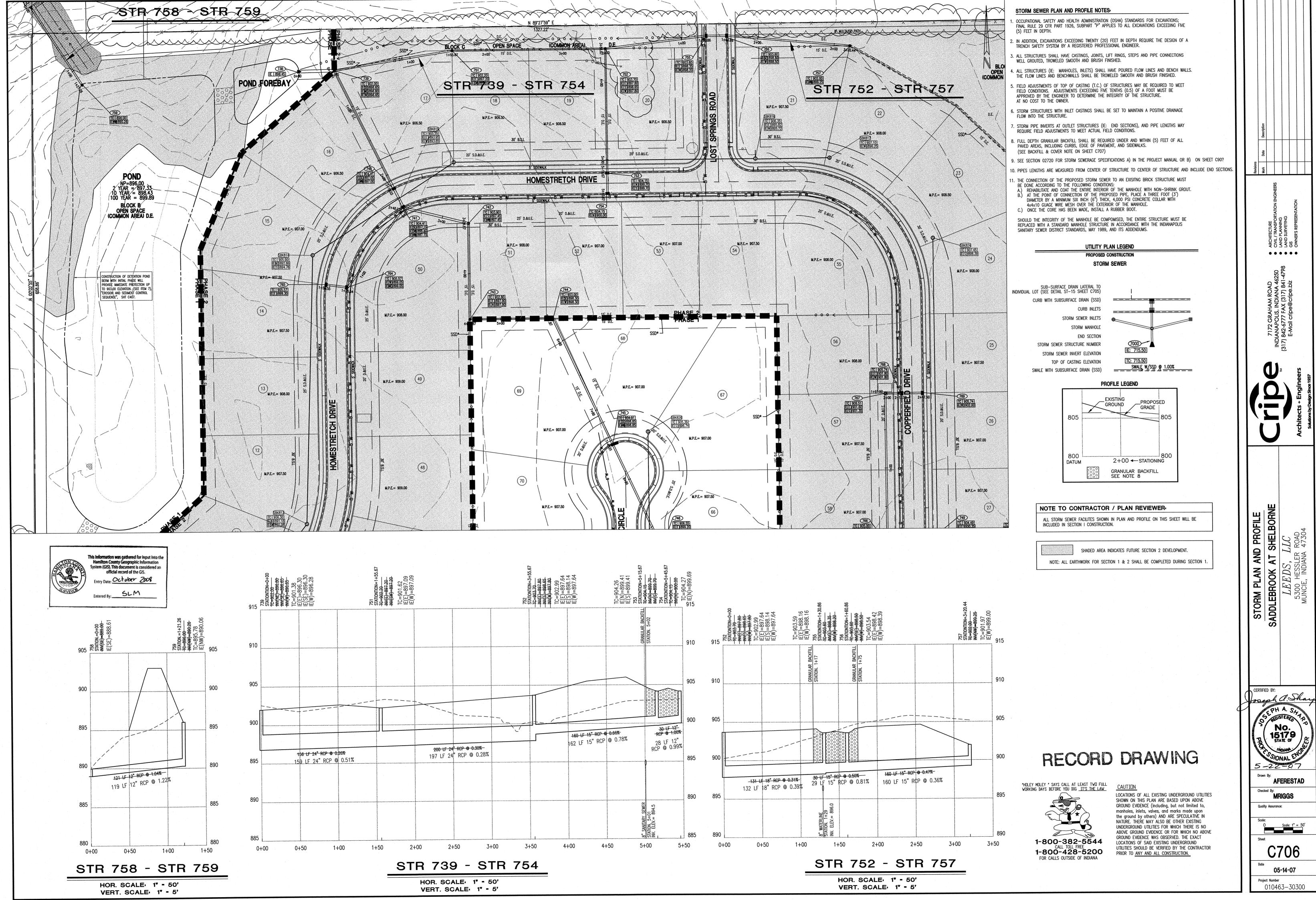
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O Scale: 1" = 50' C705A 05-14-07

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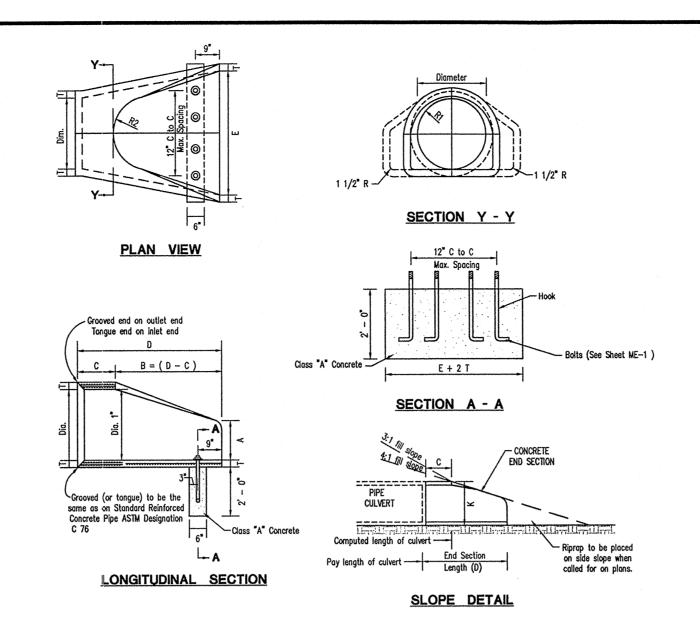
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 STORM PROFILES 02-22-05 [0:\2001\010463\20100\Cad\Engr\Profiles\Storm\S]



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1. CONCRETE IN THESE: END SECTIONS SHALL BE THE SAME GRADE AND STRENGTH AS SPECIFIED FOR REINFORCED CONCRETE PIPE, ASTM DESIGNATION C 76 CLASS & (as set out in the Standard Specie.) 3. REINFORCEMENT IN THE "B" PORTION SHALL HAVE A CROSS-SECTIONA AREA EQUAL TO THAT OF ONE LAYER OF STEEL IN THE "C" SECTION. The END of PIPE CULVERT SHALL BE PLACED IN THE CONCRETE END SECTION SO THAT THE FLOW LINES ARE FLUSH. THE JOINT SHALL BE COMPLETELY FILLED WITH MORTAR. 5. In 3:1 or 4:1 fill slope, change to the slope of the end section in a smooth, pleasing transition approximately 10'-0" in length. 6. VARIATIONS IN DIMENSIONS — THE THICKNESS OF THE CONCRETE, THE POSITION OF STEEL, AND THE INTERNAL DIAMETER OF THE PIPE SHALL CONFORM WITH THE VARIATIONS IN DIMENSIONS AS PROVIDED IN THE SPECIFICATIONS FOR REDIFFERENCED CONCRETE CULVERT, STORM DRAIN, AND SENER PIPE, ASTM DESIGNATION C 76.

DIMENSIONS OF PRECAST CONCRETE END SECTIONS

Concrete PIPE TO: Anchors shall be required on all congrete PIPE sections. The cost Thereof Shall be included in the Contract unit price per each for " PIPE END Sections."

PRECAST CONCRETE END SECTION NO SCALE

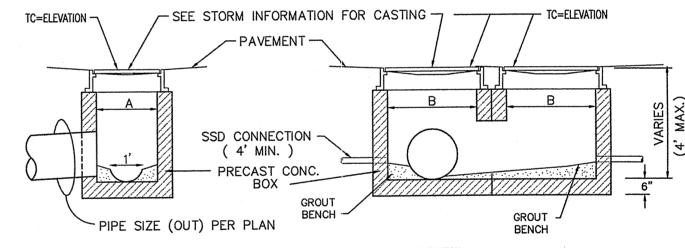
STORM SPECS CITY OF CARMEL BACKFILL AND COVER

BEDDING, HAUNCHING, AND INITIAL BACKFILL FOR ALL RCP INSTALLATIONS SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. BEDDING SHALL BE PLACED IN THE TRENCH BOTTOM SUCH THAT AFTER THE PIPE IS INSTALLED TO GRADE AND LINE, THERE REMAINS A 4 INCH MINIMUM DEPTH OF MATERIAL BELOW THE PIPE BARRLE AND A MINIMUM OF 3 INCHS BELOW THE BELL. FOR OPIPE SIZED 66 INCES AND LARGER, THE MINIMUM DEPTH OF MATERILA BELOW THE PIPE BARREL SHALL BE 6 INCHES. BEDDING SHALL BE PLACED TO BE UNIFORM AS POSSIBLE, BUT SHALL BE LOOSELY PLACED UNCOMPACTED MATERIAL UNDER THE MIDDLE THIRD OF THE PIPE PRIOR TO PLACEMENT OF THE PIPE. HAUNCHING AND INITIAL BACKFILL SHALL BE COMPACTED IN 8 INCH MAXIMUM LIFTS TO NOT LESS THAN 90% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERILA PLACED. THE BACKFILL SHALL BE BROUGHT UP EVENLY O BOTH SIDES OF THE PIPE FOR THE FULL LENGHT OF THE PIPE. HAUNCHING SHALL EXTEND TO THE SPRINGLINE OF THE PIPE.THE LIMIT OF INITIAL BACKFILL SHALL BE 6 INCHES ABOVE THE SPRINLINE. MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 18 INCHES.

FINAL BACKFILL FOR ALL RCP INSTALLATIONS UNDER AND WITHIN 5 FEET OF PAVEMENT (INCLUDING SIDEWALKS) SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT AND 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 EXCAVATION BELOW THE START OF THE AGGREGATE SUBBASE OF THE PAVEMENT SHALL BE No. 53 STONE MEETING THE MATERIAL REQUIREMENTS OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY.

FINAL BACKFILL FOR ALL RCP INSTALLATIONS GREATER THAN 5 FEET FROM ANY PAVEMENT SHALL BE CLEAN FILL MATERIAL FREE OF ROCKS LARGER THAN 6 INCHES IN DIAMETER, FROZEN LUMPS OF SOIL, WOOD OR OTHER EXTRANEOUS MATERIAL, COMPACTED IN 12 INCH MAXIMUM LIFTS TO NOT LESS THAT 90% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE EXCAVATION.

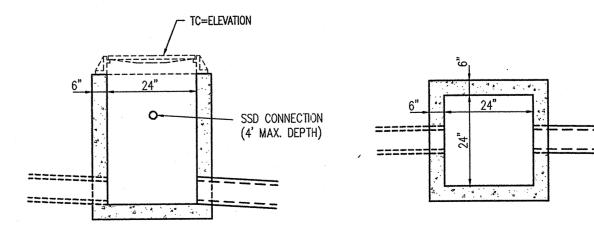
THESE INSTALLATIONS SHALL CONFORM WITH THE FOLLOWING MINIMUM COVER REQUIREMENTS: "FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS, REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE SUBGRADE) PLUS 1-0". IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT COVER REQUIRMENT SHALL GOVERN.



TC = TOP OF CASTING ELEVATION DOUBLE INLET DETAIL

ſ			Casting Schedule		
İ	EJIW	NEENAH	TYPE	USE	DIM
ŀ	7490-M1	R-3501-N	CURB INLET	LOW POINT	24" X 24
ŀ	7495-LH-RH	R-3501-TL-TR	CURB INLET	FLOW LEFT OR RIGHT	25" X 27
	-	R-3405	INLET	PARKING LOT	25" X 25
		R-2501	GRATE	PARKING LOT	24"ø
	6489	R-4342	DITCH GRATE	SWALES	24"ø
Ì					

* REQUIRES FLAT TOP WITH 24" OPENING



TC = TOP OF CASTING ELEVATION

PRECAST TYPE "A" INLET (ST-36) NO SCALE

RECORD DRAWING

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: October 2008

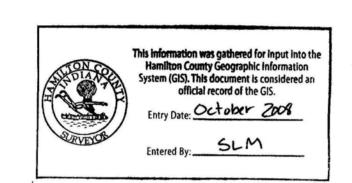
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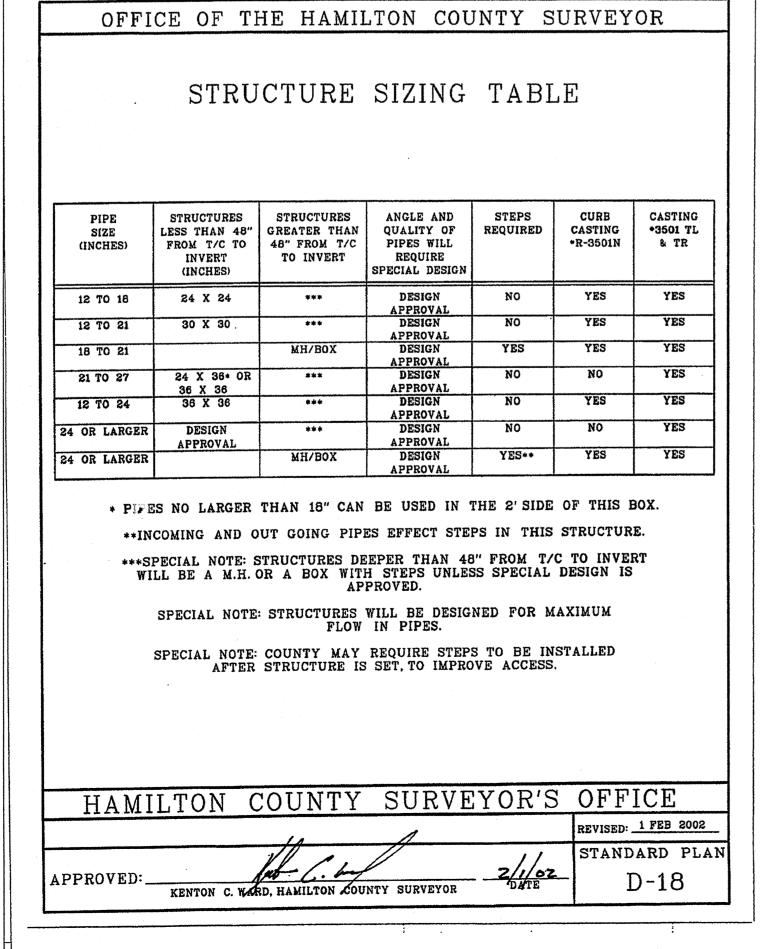
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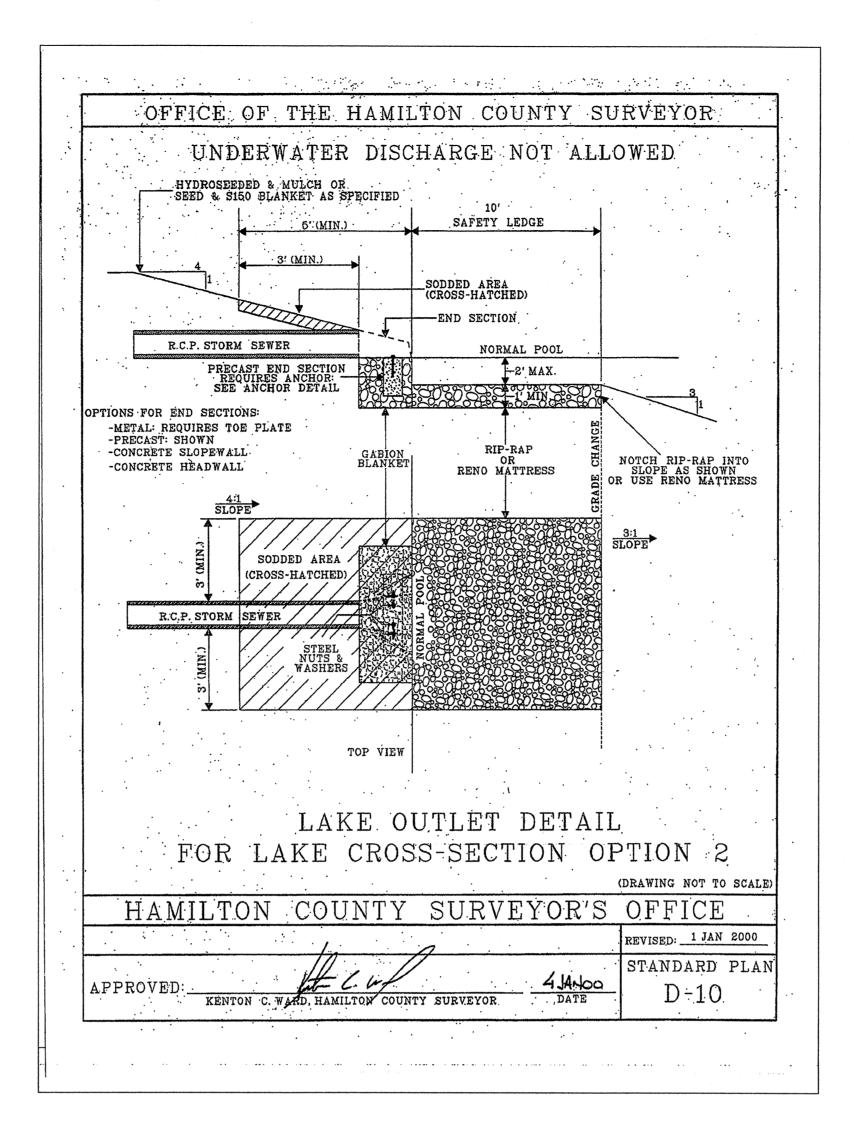
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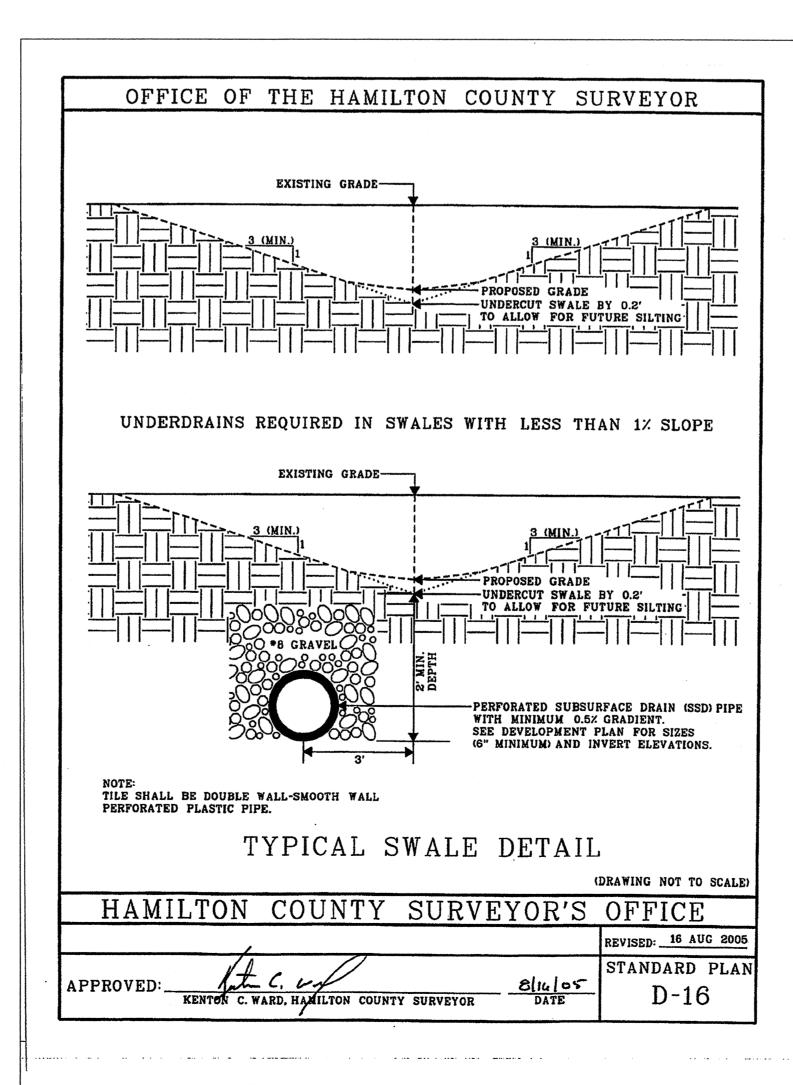
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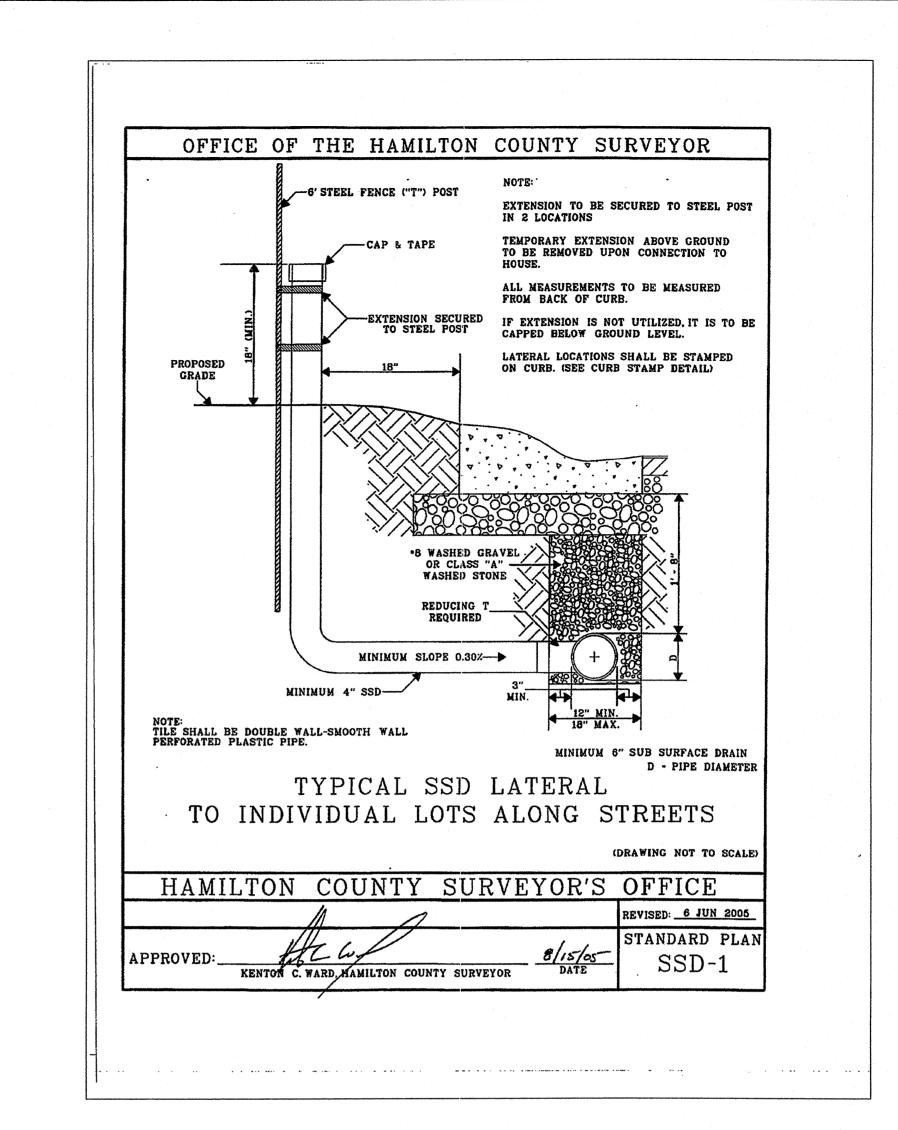
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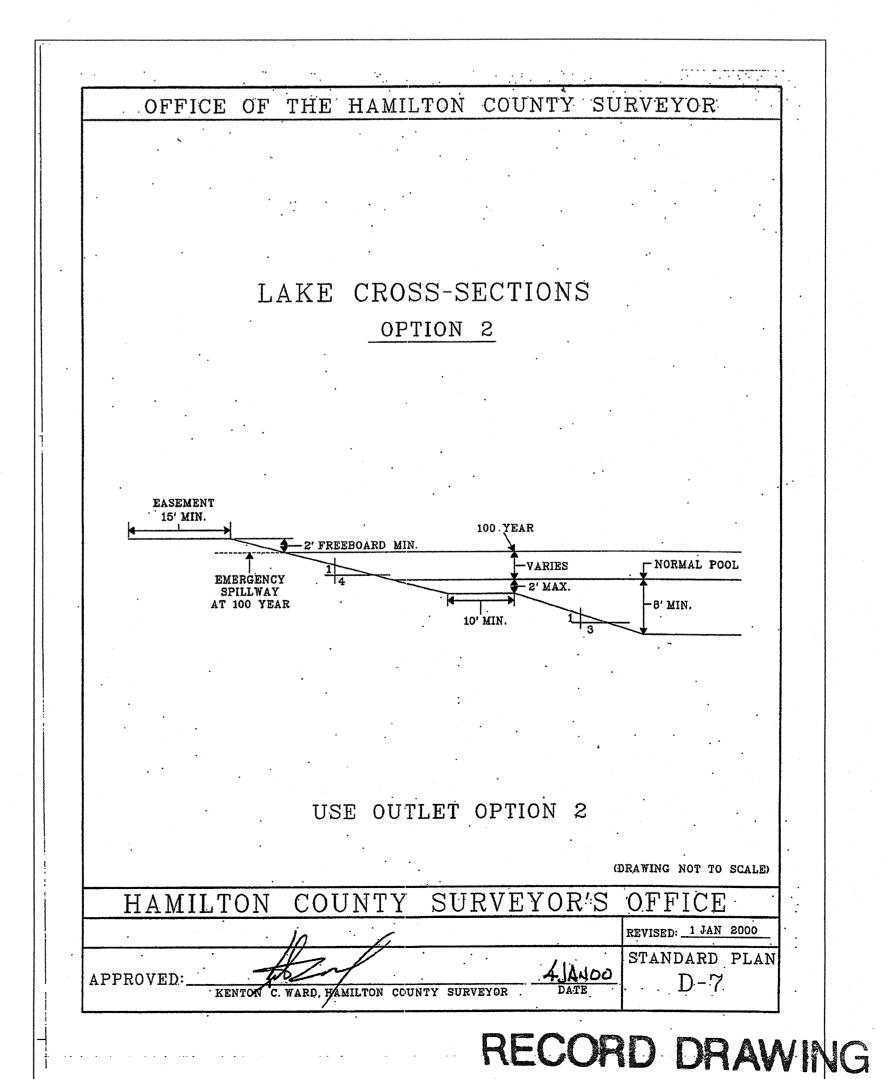












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Joseph a. Shain

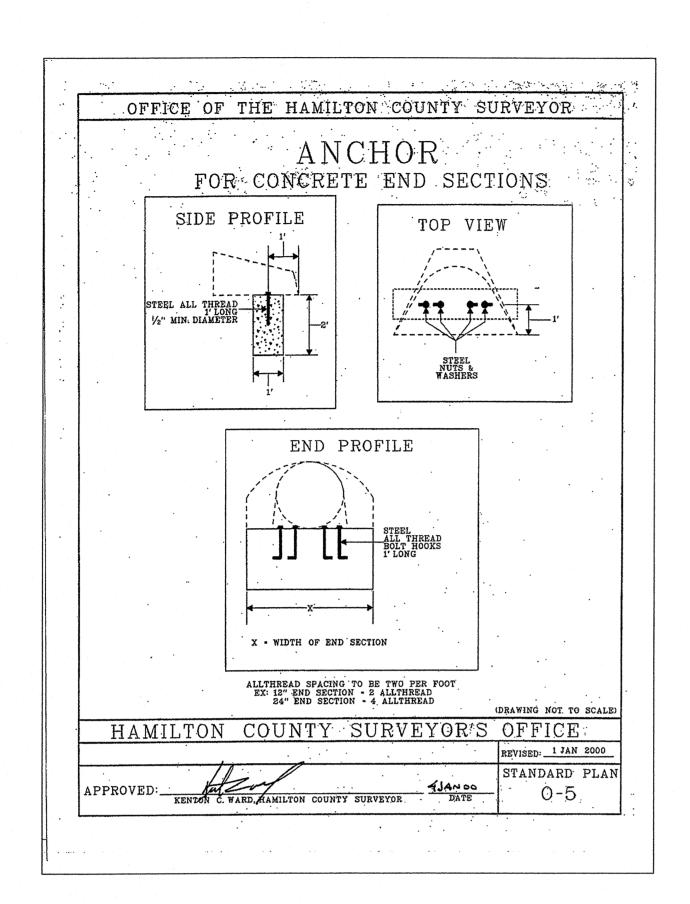
J SHARP

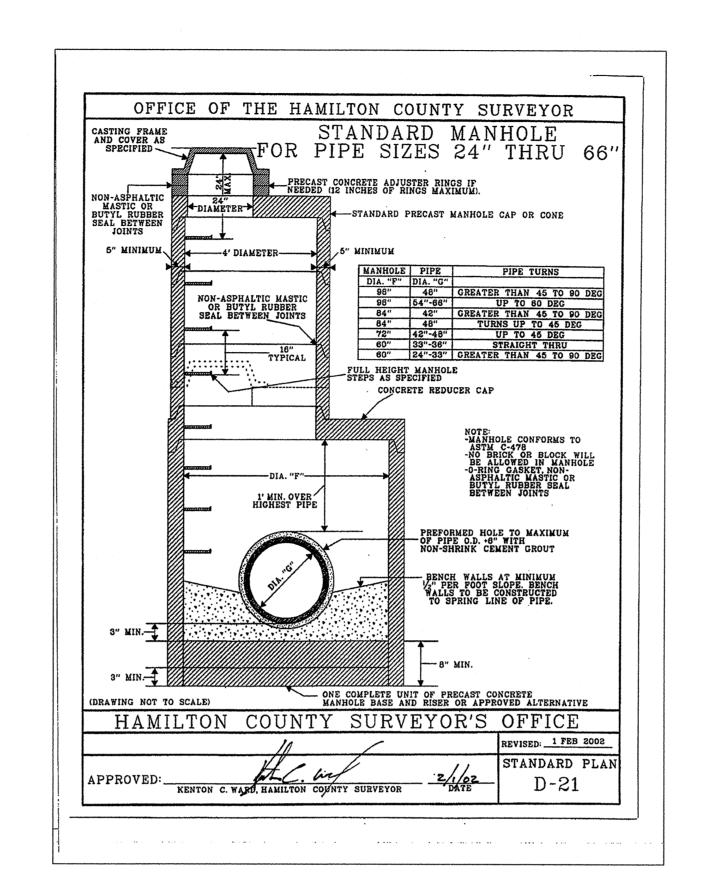
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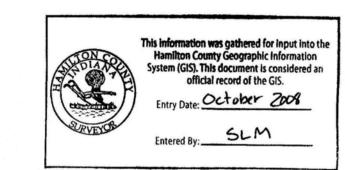
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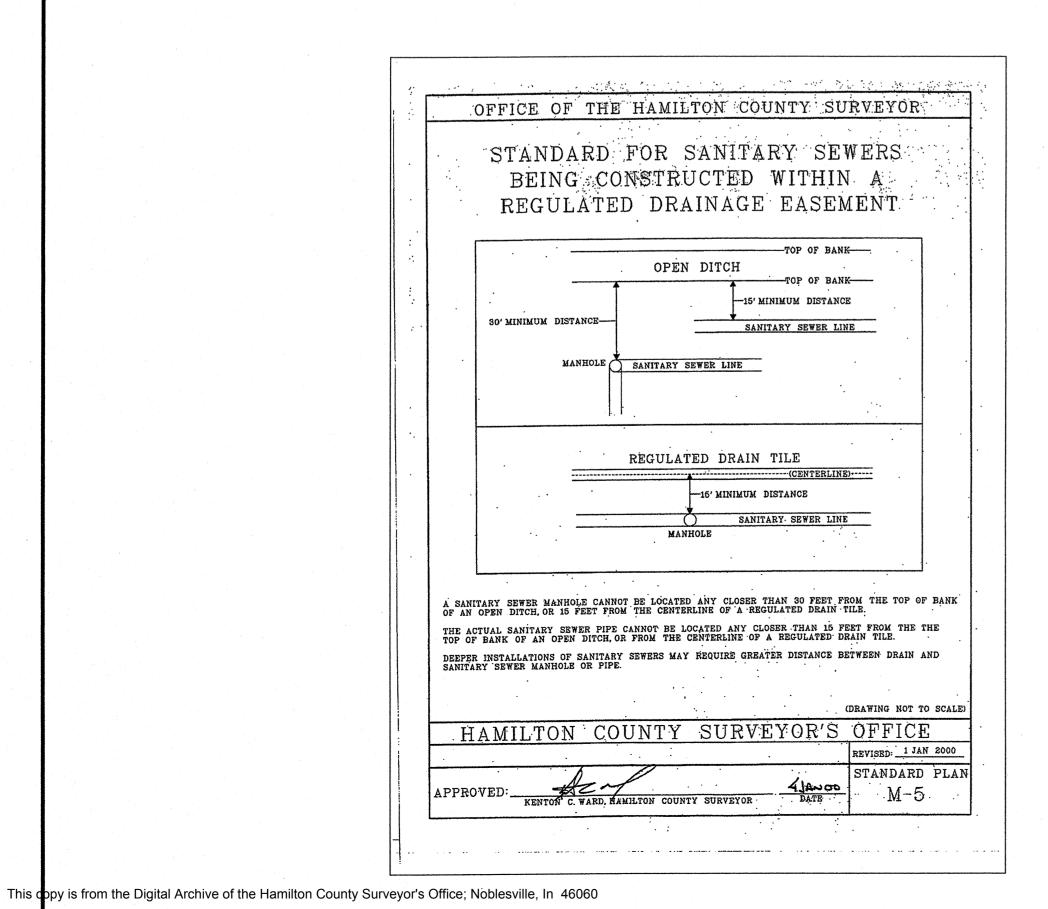
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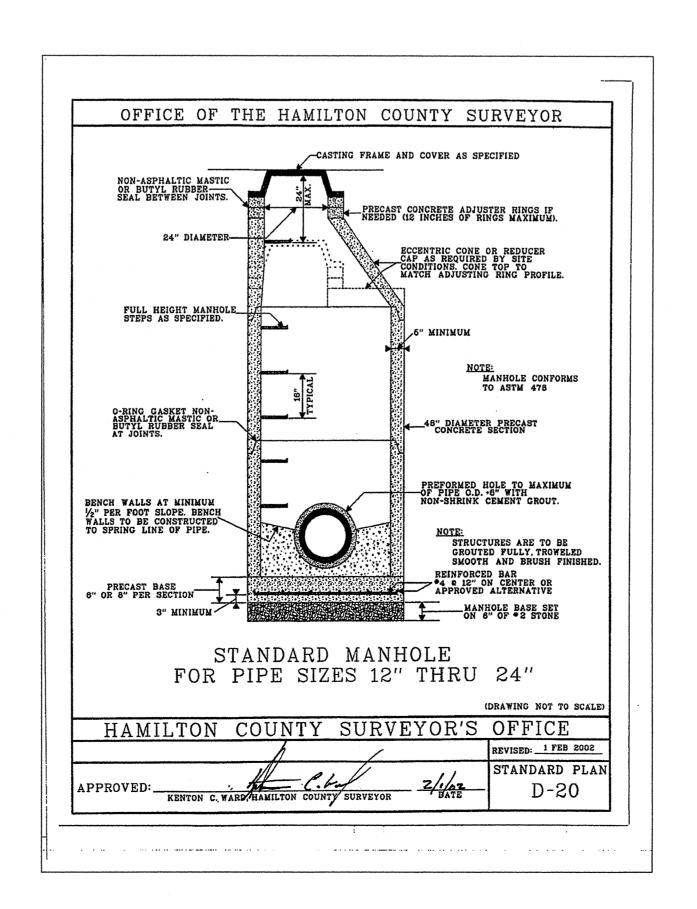
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·	TC /				Market di		UNTY SU		DIRECTION
	RIM	INV.	INV.	DEPTH	STR.	STR.	CASTING	PIPE	OF PIPE
STR. NO	1	IN	OUT	IN FEET	SIZE	TYPE	TYPE	SIZE	IN / OUT
EX-1	898.90	890.15	890.10	7.00	48"	D-20	R-4342	15", 18"	E / NE
EX-2	900.27	895.67	894.52	3.92	48"	D-20	R-4342	8", 15"	S/N
		896.99	895.67	3.10					NE / W
701			884.40		18"	ST-3A	END SECTION	18"	NW OUT
702	889.50	885.00	885.00	1.20	24"x36"	ST-36	R-4342	18"	S / NW
703	894.50	888.85	885.85	6.85	72"	D-20	R-4342	18"	S/N
704	893.41	889.25	889.25	2.36	72"	D-20	R-3501-N	18"	S/N
705	893.41	889.50	889.50	2.11	48"	D-20	R-3501-N	18"	S/N
705A	898.00	894.73	894.73	2.18	48"	D-20	R-4342	15"	E/W
706			894.22		18"	ST-3A	END SECTION	18"	NW OUT
707	900.15	894.35	894.35	3.99	24"x36"	ST-36	R-3501-TL	15",18"	S / NW
708	900.15	895.05	894.43	4.22	24"x36"	ST-36	R-3501-TR	8", 15"	SE / N
709	3331.3		896.45		24"	ST-3A	END SECTION	24"	SW OUT
710	905.00	898.00	898.00	4.69	48"	D-21	R-4342	18", 24"	
	300.00	898.25	000.00					15"	SE /NE
711	905.00	899.00	899.00	4.20	48"	D-20	R-4342	15", 18"	W / NE
712	907.50	900.80	900.80	5.20	48"	D-20	R-4342	15"	S/E
713	906.51	901.85	901.85	3.16	24"x36"	ST-31	R-3501-TL	12", 15"	, –
714	906.51	307.00	902.10	3.12	24"x36"	ST-31	R-3501-TR	12"	N OUT
715	906.72	899.45	899.45	5.77	24"x36"	ST-36	R-3501-TL	12", 15"	SE / NW
716	906.72	899.65	899.65	5.83	24"x36"	ST-36	R-3501-TR	12"	SE / NW
717	906.76	899.75	899.75	5.77	48"	D-20	R-4342	12"	SW / NW
718	904.50	033.73	900.25	3.01	48"	D-20	R-4342	12"	NE OUT
719	304.30		896.30	3.01	36"	ST-3A	END SECTION	36"	NW OUT
720	903.55	896.75	896.75	3.40	48"	D-21	R-3501-N	36"	SE / NW
721	903.55	896.80	896.80	3.35	48"	D-21	R-3501-N	36"	SE / NW
722	904.50	897.25	897.25	4.40	60"	D-21	R-4342	30"	E / NW
723	903.50	897.65	897.65	2.99	60"	D-21	R-4342	30"	S/W
724	904.00	898.15	898.15	1.64	60"	D-21	R-4342	30"	E/N
	30 1.00	898.30	000.10					24"	SE / N
725	903.80	898.50	898.50	2.44	48"	D-21	R-4342	24", 30"	
720	300.00	899.50	000.00					15"	N/W
726	905.54	898.95	898.95	4.28	48"	D-21	R-3501-N	24"	E/W
727	905.54	899.05	899.05	4.18	48"	D-21	R-3501-N	24"	E/W
728	906.90	899.15	899.15	5.44	48"	D-21	R-4342	24"	E/W
720	300.30	900.55	033.13	0.11	10	<u> </u>	N 1012	18"	S/W
729	904.50	899.65	899.45	2.74	48"	D-21	R-4342	18", 24"	E/W
				6.85	48"	D-20	R-4342	18"	SE / W
730	908.50	899.85	899.85		48"			18"	
731	904.00		900.35	1.35	40	D-20	R-4342	10	NW OUT
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	TC/RIM	INV.	INV.	DEPTH	STR.	STR.	CASTING	PIPE	DIRECTION OF PIPE	
STR. NO	,	IN.	OUT	IN FEET	SIZE	TYPE	TYPE	SIZE	IN / OUT	
732	902.54	898.80	898.40	0.80	48"	D-21	R-3501-N	18", 24	" S / NW	
733	902.54	899.25	899.00	0.71	24"x36"	ST-36		15", 18	" S / N	
734	903.00		899.75	1.75	48"	D-20	R-4342	15"	N OUT	
735	903.00		900.00	1.50	48"	D-20	R-4342	15"	S OUT	
736	905.82	900.80	900.80	3.52	24"x36"	ST-31	R-3501-TL	12", 15	" S / N	
737	905.82		901.00	3.58	24"x36"	ST-31	R-3501-TR	12"	N OUT	
738			896.45		36"	ST-3A	END SECTION	36"	W OUT	
739	902.00	896.65	896.65	0.95	60"	D-21	R-4342	36"	SE / W	
		896.80						24", 30		
740	904.41	897.00	897.00	4.01	60"	D-21	R-3501-N	30", 36	"SE / NW	
741	904.41	898.40	897.15	4.46	60"	D-21	R-3501-N	30"	SE / NW	
		897.15						15"	SW	
742	903.90	897.45	897.45	3.60	60"	D-21	R-4342	30"	S / NW	
743	902.80	897.90	897.90	2.05	60"	D-21	R-4342	30"	E/N	
744	903.00	898.30	898.30	1.85	60"	D-21	R-4342	30"	SE / W	
745	904.91	898.85	898.85	3.21	60"	D-21	R-3501-N	30"	SE / NW	
746	906.55	899.20	899.20	4.50	60"	D-21	R-4342	30"	E / NW	
747	903.50	899.55	899.55	1.10	60"	D-21	R-4342	24", 30	" E / W	
748	904.49	900.15	900.15	2.03	48"	D-20	R-3501-N	24"	E/W	
749	904.49	900.35	900.30	2.39	24"x36"	ST-36	R-3501-N	15", 18	" E /W	
750	904.00		900.70	1.30	48"	D-20	R-4342	15"	W OUT	
751	902.20	897.20	897.20	2.69	48"	D-21	R-4342	24"	E/W	
752	903.70	898.65	897.80	3.59	48"	D-21	R-4342	15", 24	" S / W	
		897.80						18"	E/W	
753	904.15	899.70	899.70	2.95	24"x36"	ST-36	R-3501-N	12", 15	" S / N	
754	904.15		900.00	2.91		ST-36	R-3501-N	12"	N OUT	
755	903.60	898.35	898.20	3.60	24"x36"	ST-36	R-3501-TR		" E / W	
756	903.60	898.50	898.50	3.60	24"x36"	ST-36	R-3501-TL	15"	E/W	
757	902.00		899.25	1.25	48"	D-20	R-4342	15"	W OUT	
758	889.00	889.00	898.00			ST-3A	END SECTION	12"	NW OUT	
759	896.00		890.26	5.74	48"	D-20	R-2560E	12"	NW OUT	
760	904.13	898.30	896.86	4.58	48"	D-21	R-1772	30"	NW /SE	
		896.86						12"	NE	
761	907.00	899.20	899.20	6.55	48"	D-21	R-1772	12"	NW / SW	
762	905.40	899.45	899.45	4.70	24"x36"	ST-36	R-3501-TL	12"	NW / SE	
763	905.40		899.60	4.55	24"x36"	ST-36	R-3501-TR	12"	SE	
764	905.57	899.05	899.05.	5.27	24"x36"	ST-36	R-3501-TR	12"	W / NE	
765	905.57		899.30	5.02	24"x36"	ST-36		12"	Ε	
766	905.00	900.50	900.08	3.25	48"	D-21	R-1772	24"	E/W	
		900.50						15"	N	
767	906.51	901.60	901.35	3.66	48"	D-21	R-1772	12"	E/S	
768	905.74	901.80	901.80	2.69	24"x36"	ST-36		12"	E/W	
769	905.74		902.00	2.49	24"x36"	ST-36	R-3501-TR	12"	W	
		ו ייי					VEYOR	210	OFFICE	
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		KENTON	C. MARD,	HAMILTON	COUNTY	SURVETO	T DH	•	די די	

ALL CASTINGS SHALL BE LABELED "DUMP NO WASTE - DRAINS TO WATERWAY" CONTRACTOR SHALL CONSTRUCT ALL STRUCTURES BASED ON DATA SHOWN ON THE PLAN AND PROFILE SHEETS IN THIS PLAN SET.

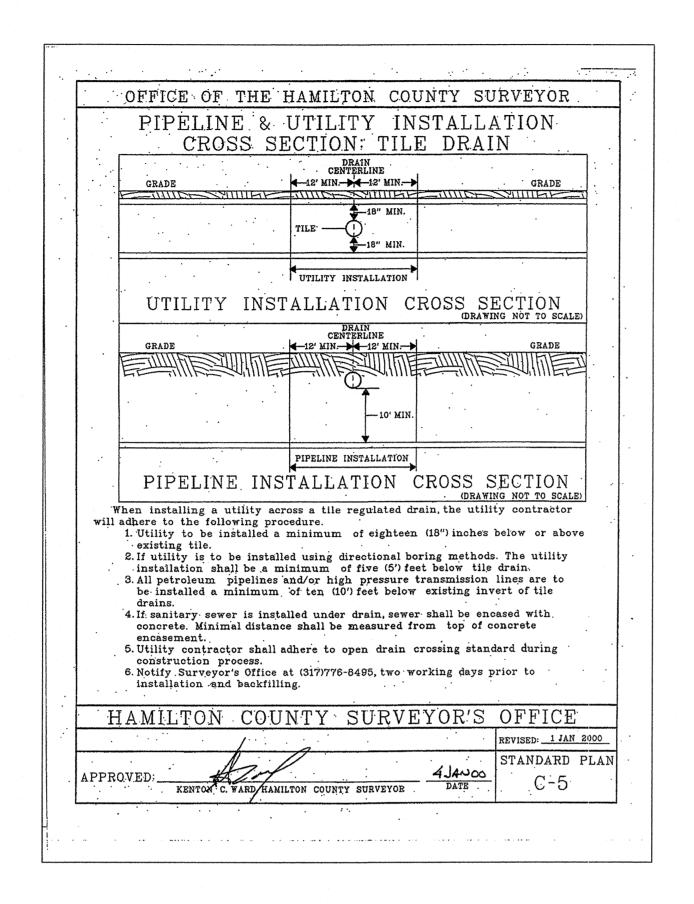
RECORD DRAWING

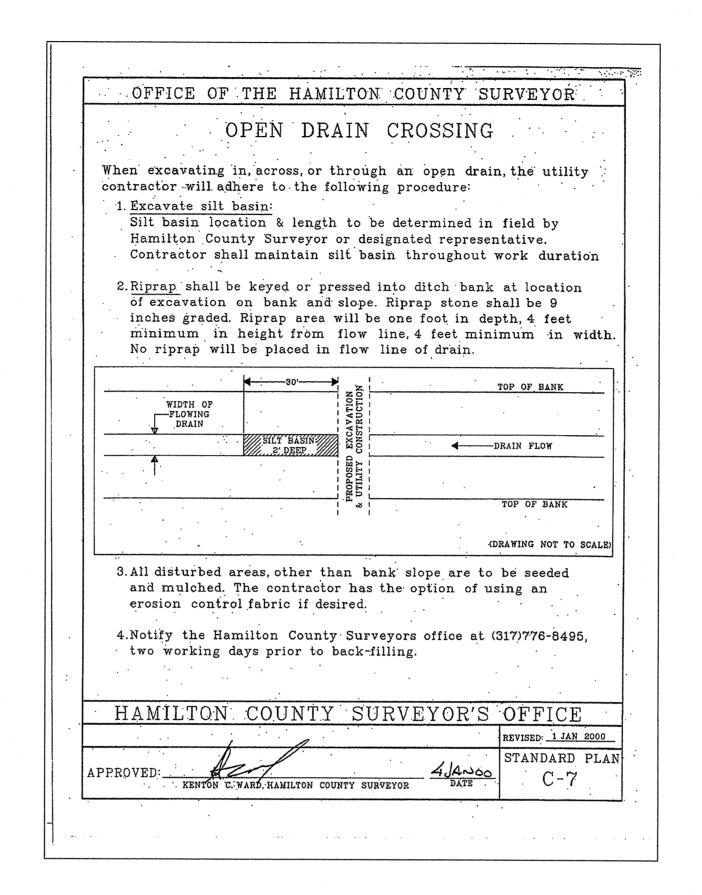
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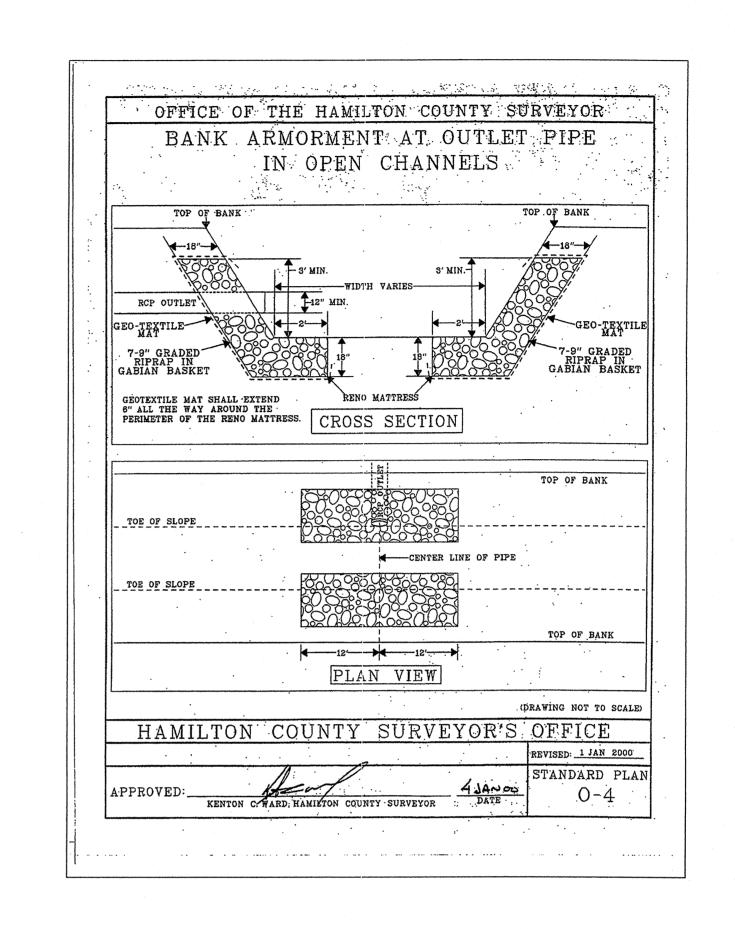
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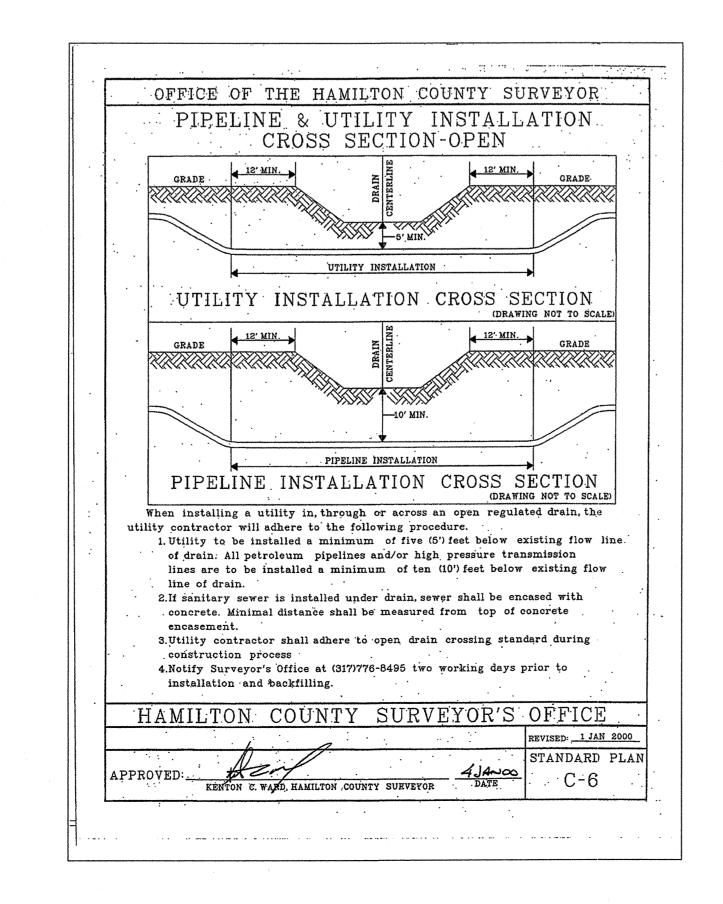
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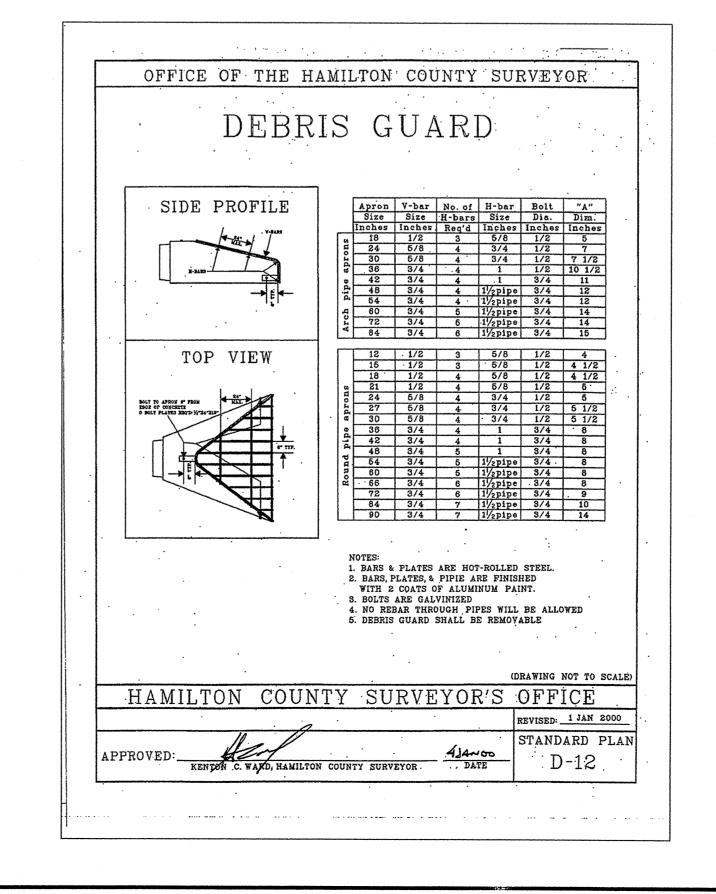


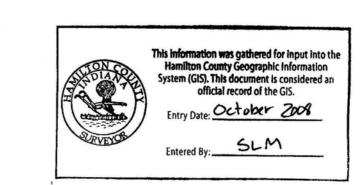






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RECORD DRAWING

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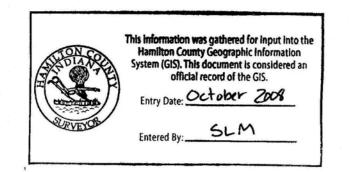
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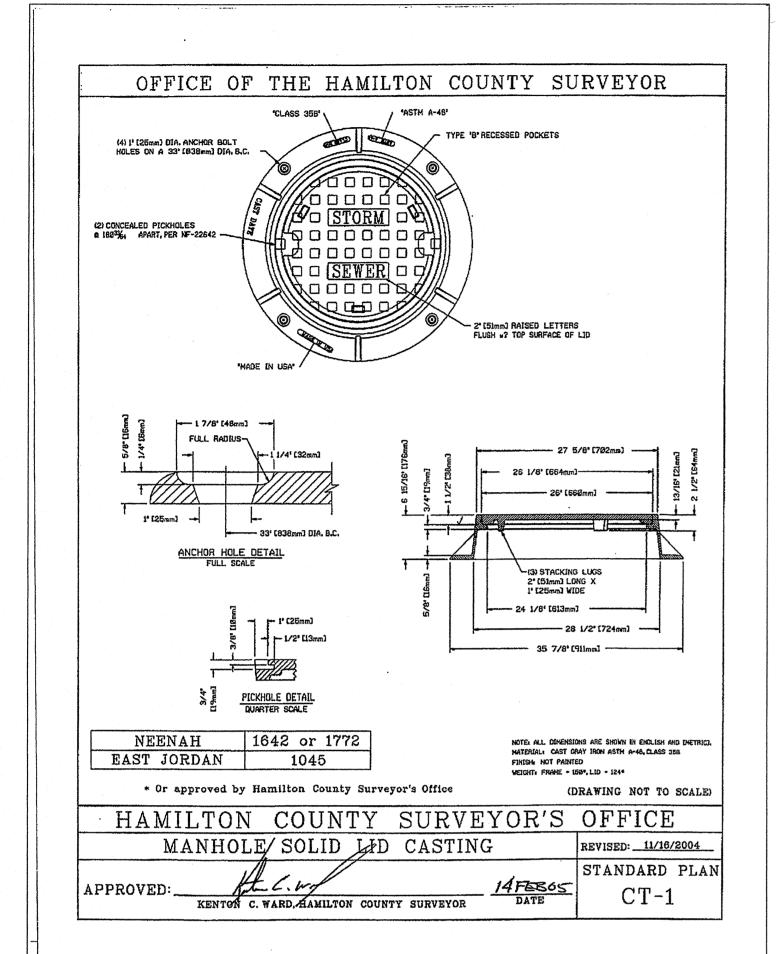
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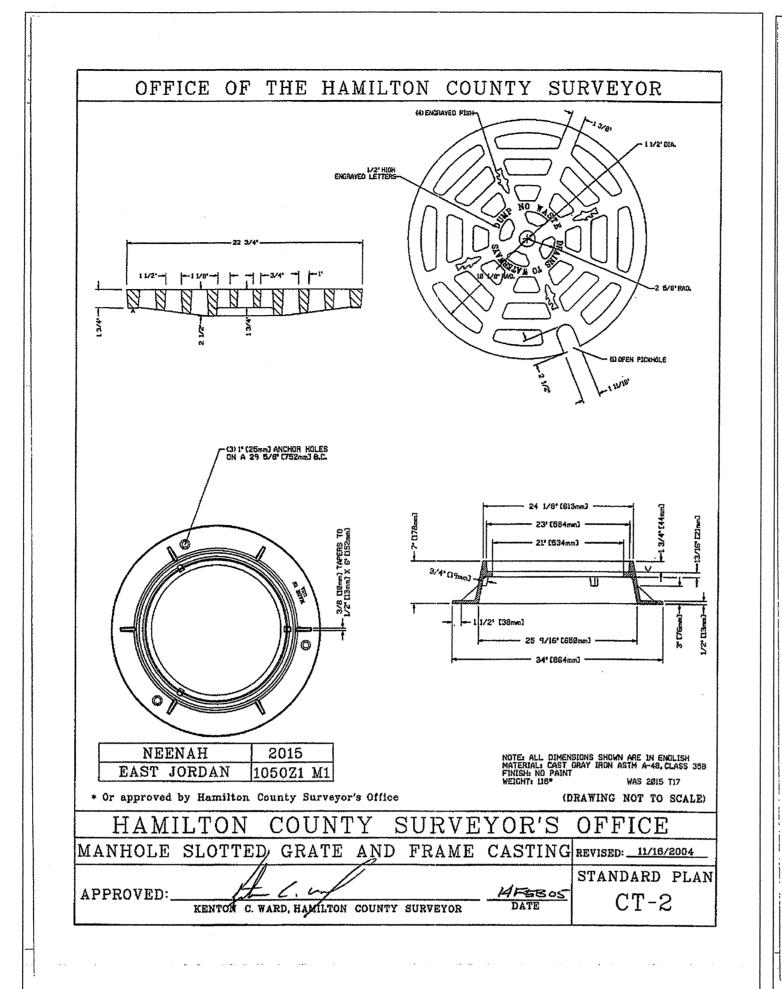
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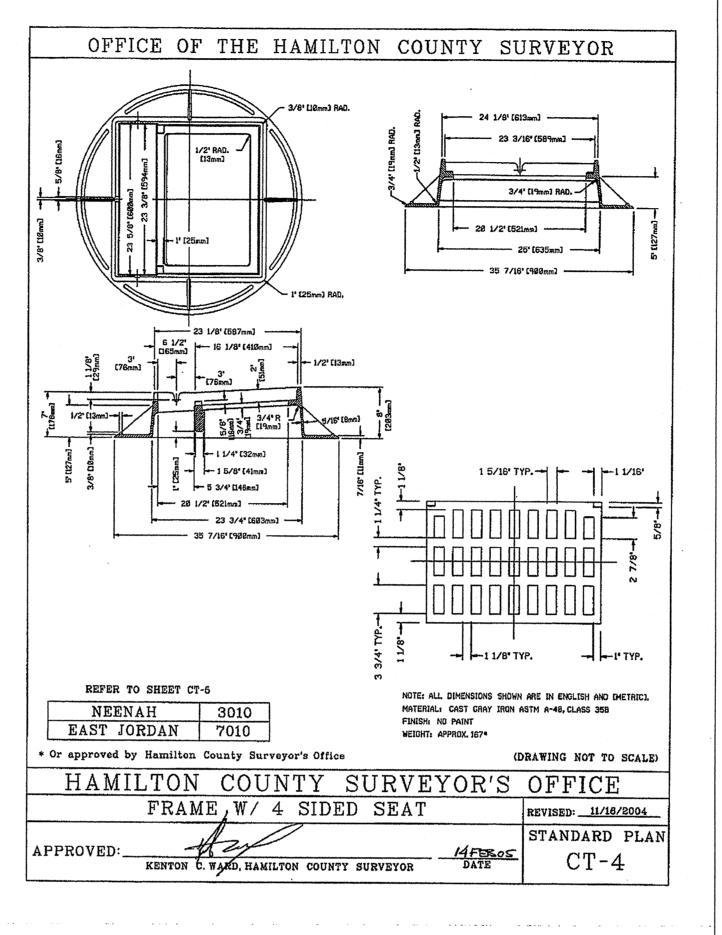
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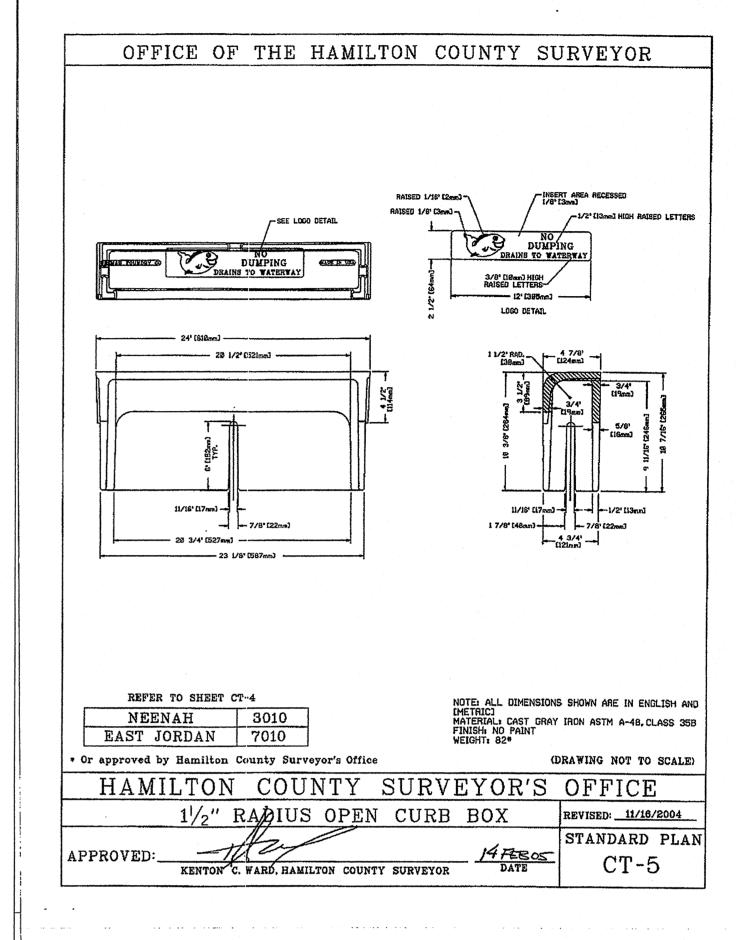
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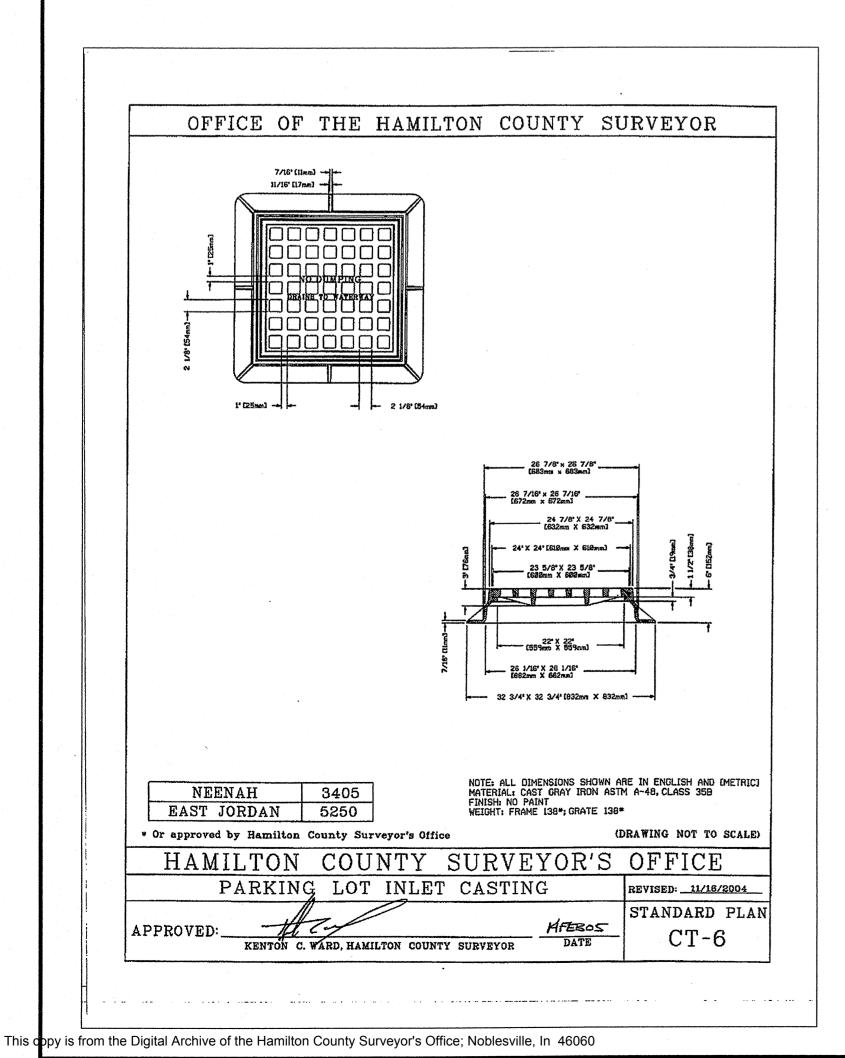


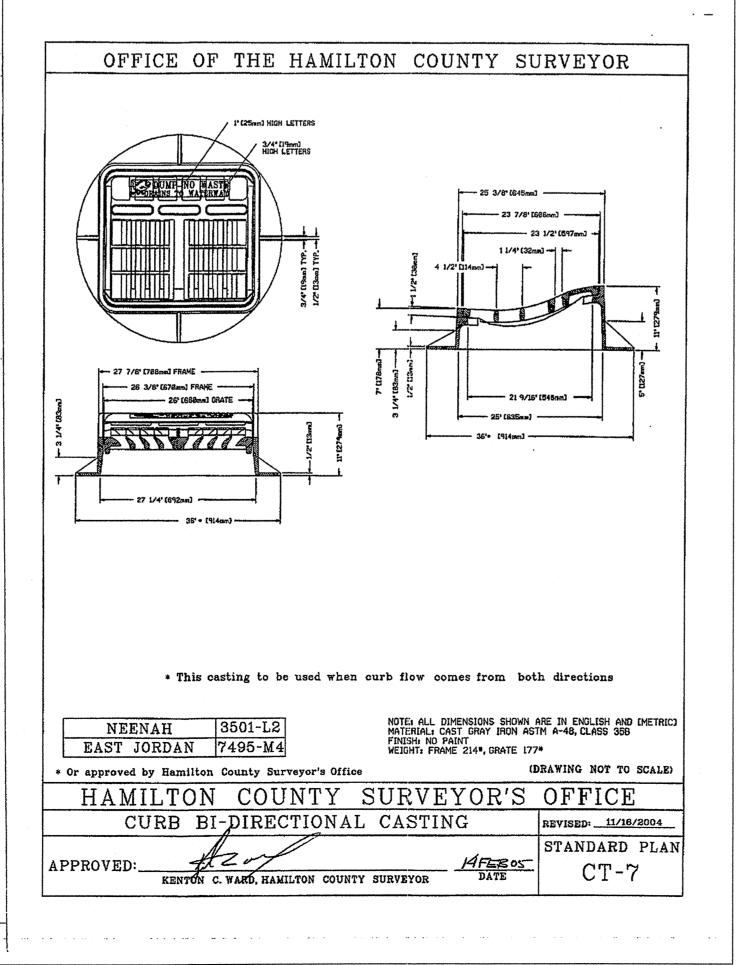


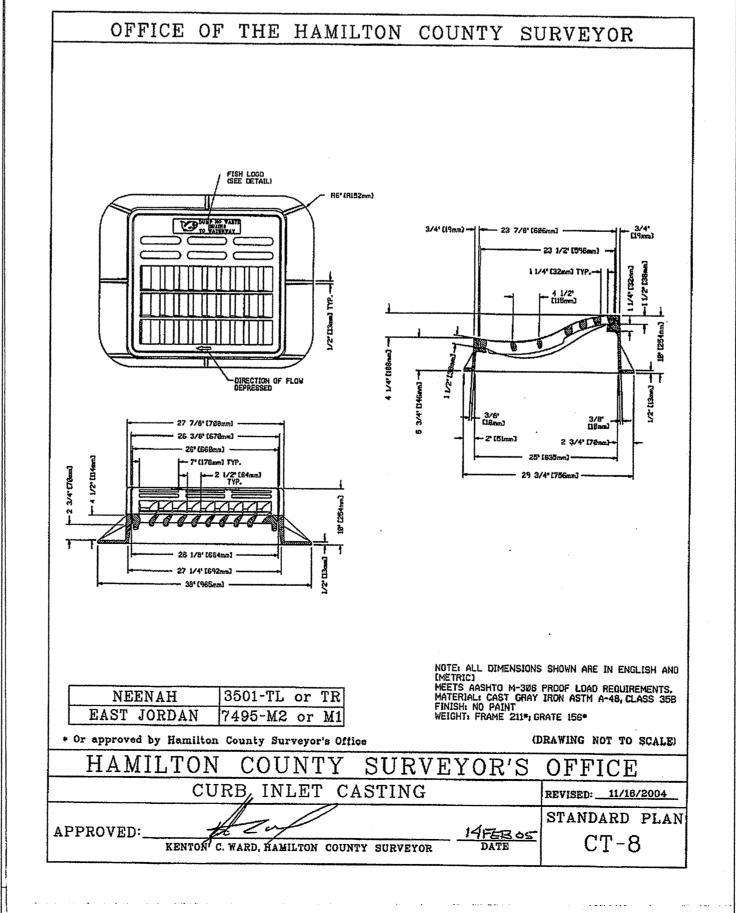


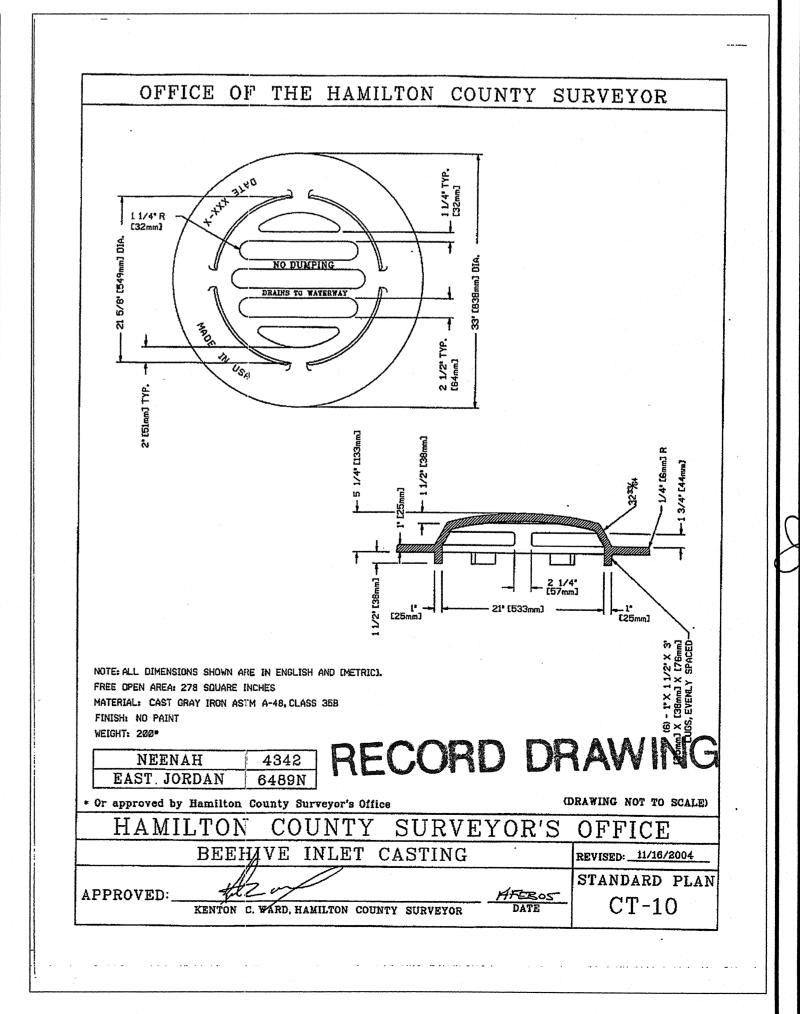


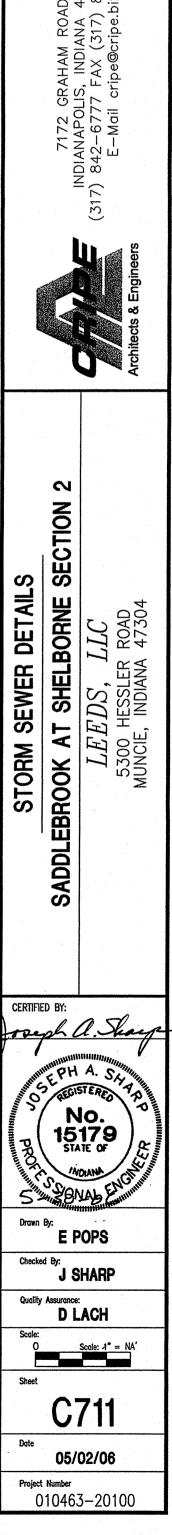




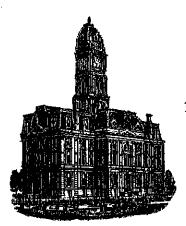








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Kenton C. Ward, CFM Surveyor of Hamilton County Phone (317) 776-8495 Fax (317) 776-9628 Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

Map Correction-Field Verification

Drain Number: 331 Drain Length: 14,008

Drain Name: JW Brendle: Saddlebrook at Shelborne **Change** + / - : -166

Date: 01-04-2017 New Length: 13,842

Verified By: SLM

Notes & Sketch:

The final report called out structure 746 to structure 747 twice in the final report (153ft of 15" RCP). Structure 702-701 consists of 13" RCP. However, this was totaled both as RCP and CMP.

Suzanne L. Mills GIS Specialist