

Drain: Anna Kendall Drain, E. M. Osborne Arm

Improvement-Arm: Maples at Springmill Section 2

Date Approved: January 28, 2008

Drain Input Checklist

- Create Regulated Drain Record in Posse _____
 - Drain Type
 - Outlet (Tab)
 - Outlet Attached
 - Location
 - Twp
 - Certification
 - Drain Number

- Enter Improvement Arm in Posse January 28, 2008
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)

- Scan Documents _____
 - Surveyor's Report
 - Engineer's Estimate
 - Bonds
 - Findings and Order
 - Petition

- Create Posse Inspection Job _____

- Enter into Watershed Summary Spreadsheet _____

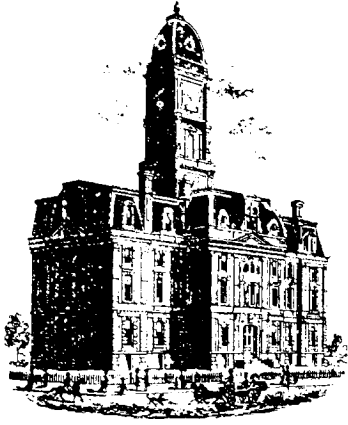
- Check for Vacation of Drain & Map Changes _____

- Check Drainage Easement Classification _____

- Sum drain length & Validate in GIS _____

- Enter New Watershed Length into Posse _____

- Create Boundary of Improvement in GIS _____



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

November 29, 2007

To: Hamilton County Drainage Board

Re: Anna Kendall Drain, E.M. Osborn Arm, Maples at Springmill Section 2 Reconstruction

Attached is a petition and plans for the proposed relocation of the E.M. Osborn Arm, Anna Kendall Drain. The relocation is being proposed by Skjodt Thomas and Associates, LLC. The proposal is to reconstruct and relocate Arm #4 of the E.M. Osborn Arm of the Anna Kendall Drain from approximately Sta. 3+70 to approximately Sta. 7+40 per the 1924 legal description. This is shown on sheet C200 of the plans for Maples at Springmill Section 2, by Stoepfelwerth and Associates, dated January 5, 2007 and having job number 51950SKJ-52.

This line will consist of the following:

12" RCP 522 feet

The relocation begins at Structure 58 of the Maples at Springmill Section 2 plans (approximately Sta. 3+70) to Structure 59, then turning south and ending at Structure 60 per the plans (approximately Sta. 7+40).

The total length of new tile shall be 522 feet. The 370 feet of original drain between approximately Sta. 3+70 and approximately Sta. 7+40 shall be vacated. This proposal will add an additional 152 feet to the drains total length.

The cost of the relocation is to be paid by Skjodt Thomas and Associates, LLC. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's property, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a public hearing with 30 day notice is not required for the petition.

The petitioner has provided the Performance Bond as follows:

Name of Bonding Co.: Bond Safeguard Insurance Company

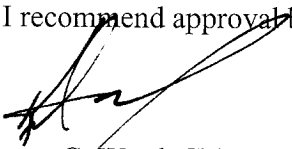
Bond Number: 5029296

Bond Date: August 28, 2007

Bond Amount: \$19,200.00

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 Maples at Springmill Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend approval by the Board at this time.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

REVISED JUNE 1997

IN RE: _____)
Hamilton County, Indiana)

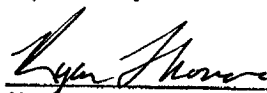
PETITION FOR RELOCATION AND RECONSTRUCTION

Skjodt Thomas & Associates, LLC (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Arm 4 of the E.M. Osborn on the Anna Kendall Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Arm 4 of the E.M. Osborn on the Anna Kendall 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 Arm 4 of the E.M. Osborn on the Anna Kendall Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Arm 4 of the E.M. Osborn on the Anna Kendall Drain, without cost to other property owners on the watershed of the Arm 4 of the E.M. Osborn on the Anna Kendall Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Arm 4 of the E.M. Osborn on the Anna Kendall Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.


Signed _____
Ryan Thomas
Printed _____



STOEPPELWERTH & ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoepfelwerth
President, CEO
Professional Engineer
Professional Land Surveyor

Curtis C. Huff
Vice President, COO
Professional Land Surveyor

R.M. Stoepfelwerth
Founder
Professional Engineer
Professional Land Surveyor

September 18, 2007

FILED

SEP 19 2007

OFFICE OF HAMILTON COUNTY SURVEYOR

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

Attention: Greg Hoyes

Re: Maples at Springmill, Section 2

Dear Mr. Hoyes:

On behalf of the developer Westfield Property Group, LLC, please accept this Engineer's Estimate for Maples at Springmill, Section 2.

Legal Drain Reconstruction	\$16,000.00
Bond for Reconstruction	\$19,200.00

If you have any questions please give William Bryant a call at (317) 577-3410.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.

David J. Stoepfelwerth, P.E.
Professional Engineer
No. 19358

Cc: Ryan Thomas

7965 East 106th Street
Fishers, Indiana
46038-2505

317.849.5935
Fax: 317.849.5942
www.Stoepfelwerth.com

WAB/meb
S:\51950S2\Blue_Book\Agency_Correspondence\
HamiltonCountySurveyorHoyesEE09-18-07.doc





HCDB 2007-0056 SUBDIVISION BOND

Bond No.: 5029296

Principal Amount: \$19,200.00

KNOW ALL MEN BY THESE PRESENTS, that we Westfield Property Group, 1202 E. 38th Street, Indianapolis, IN 46205 as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Avenue, Bldg. A-Suite 300, Lombard, IL 60148 an Illinois Corporation, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville, IN 46060, as Obligee, in the penal sum of Nineteen Thousand Two Hundred and 00/100 (Dollars) (\$19,200.00), lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Westfield Property Group has agreed to construct in Maples at Spring Mill 2 Subdivision, in Hamilton County, IN the following improvements:

Storm Sewer.

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

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

Signed, sealed and dated, this 28th day of August, 2007.

Westfield Property Group
Principal

Bond Safeguard Insurance Company
Surety

By: [Signature]

By: [Signature]
Irene Diaz, Attorney-in-Fact



POWER OF ATTORNEY
Bond Safeguard INSURANCE COMPANY

AO 52892

KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: James I. Moore, Irene Diaz, Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Peggy Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Joel E. Speckman, Heather A. Beck, Tariese M. Pisciotto its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$1,000,000.00, One Million Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

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

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7th day of November, 2001.



BOND SAFEGUARD INSURANCE COMPANY
BY *David E. Campbell*
David E. Campbell
President

ACKNOWLEDGEMENT

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

"OFFICIAL SEAL"
MAUREEN K. AYE
Notary Public, State of Illinois
My Commission Expires 09/21/09

Maureen K. Aye
Maureen K. Aye
Notary Public

CERTIFICATE

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

Signed and Sealed at Lombard, Illinois this 28th Day of August, 20 07



Donald D. Buchanan
Donald D. Buchanan
Secretary



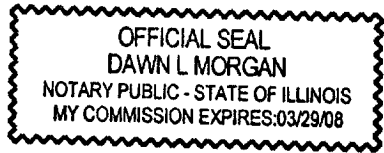
STATE OF ILLINOIS }
 }
COUNTY OF DU PAGE }

On August 28, 2007, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Irene Diaz, known to me to be Attorney-in-Fact of Bond Safeguard Insurance Company, the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

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

My Commission Expires March 29, 2008

Dawn L. Morgan
Notary Public





KCW

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 12, 2010

Re: Anna Kendall, Maples at Springmill Section 2 Relocation of EM Osborn Arm 4

Attached are as-builts, certificate of completion & compliance, and other information for Maples at Springmill Section 2 Relocation. 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 November 29, 2007. The report was approved by the Board at the hearing held January 28, 2008. (See Drainage Board Minutes Book 11, Pages 1-2)
The changes are as follows:

The 12" RCP was shortened from 522 to 507 feet. There was 26 feet of 12" PVC added during construction. Therefore, the length of the drain due to the changes described above is now **533 feet**. The original EM Osborn Arm 4 tile was vacated between Sta. 3+16 to Sta. 7+46.

The non-enforcement was approved by the Board at its meeting on January 28, 2008 and recorded under instrument #2008028389.

The following sureties were guaranteed by Bond Safeguard and released by the Board on its October 13, 2008 meeting.

Bond-LC No: 5029296
Insured For: Storm Sewers
Amount: \$19,200
Issue Date: August 28, 2007

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm



STOEPPELWERTH & ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoeppelwerth
President, CEO
Professional Engineer
Professional Land Surveyor

Curtis C. Huff
Vice President, COO
Professional Land Surveyor

R.M. Stoeppelwerth
Founder
Professional Engineer
Professional Land Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Maples at Springmill, Section 2

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.

Signature: *David J. Stoeppelwerth* Date: September 10, 2008

Type or Print Name: David J. Stoeppelwerth

Business Address: Stoeppelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL



INDIANA REGISTRATION NUMBER

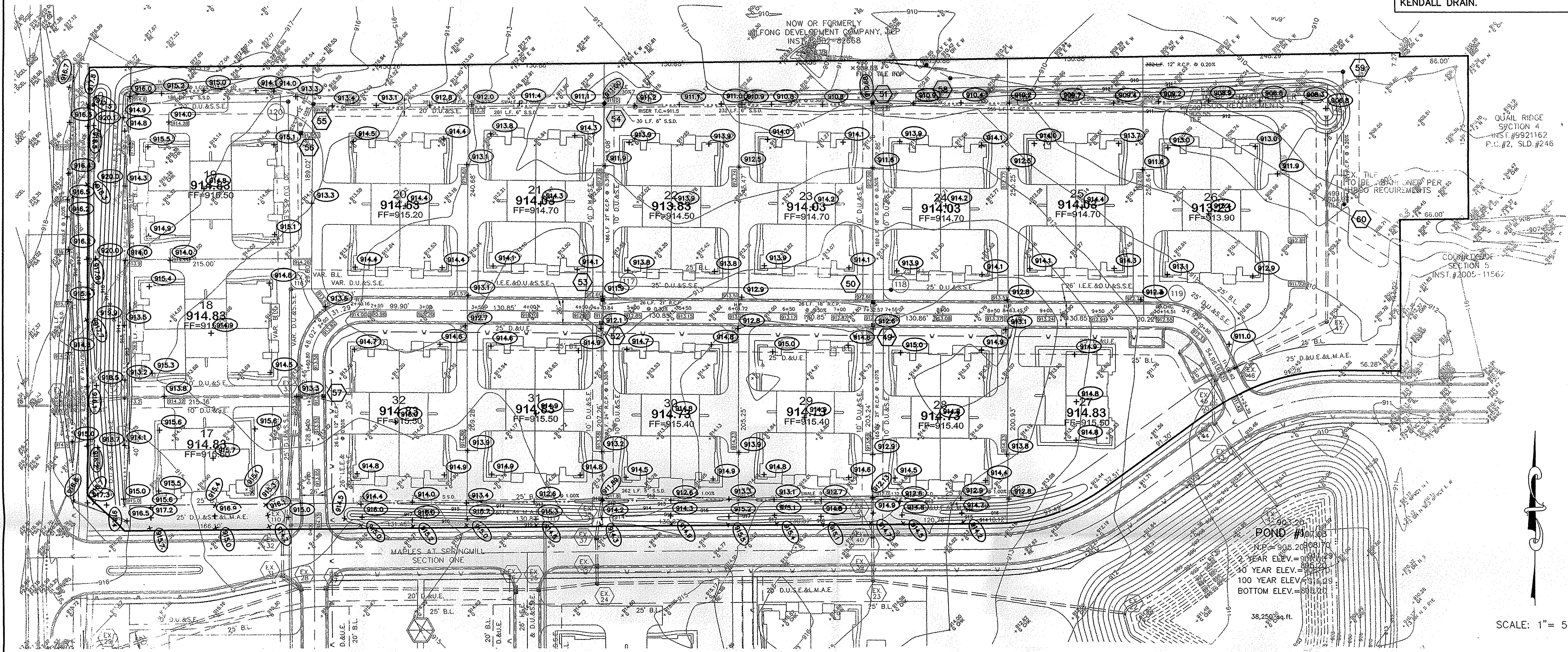
19358

7965 East 106th Street
Fishers, Indiana
46038-2505

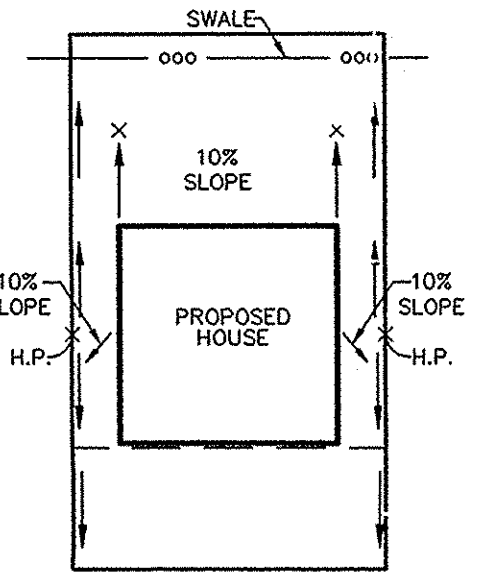
317.849.5935
Fax: 317.849.5942
www.Stoeppelwerth.com

SEP 10 2008

STR. 58-60 IS A REGULATED DRAIN RECONSTRUCTION AND MUST BE DONE TO HSCO STANDARDS AND UNDER THE INSPECTION REVIEW OF HCSO. THIS IS ARM 4 OF THE E.M. OSBORN ARM ON THE ANNA KENDALL DRAIN.



RECORD DRAWING



Dennis D. Olmstead
 DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012
 DATE 1/09/08
 ASBUILT GRADE ELEV.



BTM 1: CUT SQUARE IN TOP OF CURB IN SPRINGLAKE DRIVE 10'± E. FROM END OF EXISTING SECTION OF COUNTRYSIDE SUBDIVISION 125'± WEST OF CENTERLINE OF ENGLISH GREEN ON SOUTH SIDE OF ROAD 2.5'± NORTH OF HYDRANT
 ELEVATION = 910.89'
 BTM 2: RR SPIKE SET 1'± UP IN EAST SIDE OF A POWER POLE. 2ND POLE NORTH OF 169TH ON THE WEST SIDE OF SPRINGMILL ROAD. LINES ARE RUNNING NORTH AND SOUTH WITH A SERVICE SOUTHEAST TO ADDRESS #16903
 ELEVATION = 920.03'

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

- GENERAL NOTES:
- 5' CONCRETE WALK ACROSS THE FRONTAGE OF ANY COMMON AREAS TO BE INSTALLED BY THE DEVELOPER OR THEIR REPRESENTATIVE.
 - BLUE REFLECTORS SHALL BE INSTALLED IN THE CENTER LINE OF THE PAVEMENT TO MARK FIRE HYDRANTS PER THE TOWN OF WESTFIELD'S UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS.

ALL PADS SHOULD BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

STR. NO.	CURB INLET TYPE	T.	PRM	INVERT	DIRECTION
49	CURB INLET	912.74	907.92	N.S	
50	CURB INLET	912.74	908.00	N.S	
51	YARD INLET	910.65	908.58	S	
52	CURB INLET	912.74	907.15	N.S	
53	CURB INLET	912.74	907.23	N.S	
54	YARD INLET	912.74	907.79	W.S	
55	YARD INLET	913.50	910.03	SW,E	
56	STORM INLET	913.50	910.32	NE	
57	CURB INLET	913.55	909.36	W.S	
58	MANHOLE	910.90	905.36	E	
59	MANHOLE	910.90	905.18	W.S	
60	MANHOLE	908.96	905.18	N	

IF EXISTING FIELD TILES ARE ENCOUNTERED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERPETUATE THESE FIELD TILES INTO THE PROPOSED STORM SEWER SYSTEM. CONTRACTOR SHALL COORDINATE THESE CONNECTIONS WITH THE HAMILTON COUNTY'S SURVEYOR'S OFFICE AT 317-776-8495.

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: 12/30/2009
 Entered By: SLN

- LEGEND
- EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED SWALE
 - PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
 - BUILDING NUMBER
 - PAD ELEVATION
 - PAD SIZE: 78.10'x152.25'
 - M.E. MATCH EXISTING
 - H.P. HIGH POINT
 - L.P. LOW POINT
 - GR.CHG. GRADE CHANGE
 - MFF= MIN. FINISH FLOOR ELEV. FLOOR MUST BE (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE
 - PROPOSED 6" UNDERDRAINS (DOUBLE WALL SMOOTH)
 - EMERGENCY FLOOD ROUTING
 - PROPOSED WATERMAIN
 - SPECIAL DRAINAGE (FROM REAR OF LOT TO FRONT AROUND HOUSE.)

TYPICAL LOT DRAINAGE
 NOT TO SCALE

"HOLEY MOLEY" SAYS:

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

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

AS-BUILTS
 UPDATE DRAWS
 ADD LOT DIMS. SURROUNDING OWNERS
 ADD PATH AND CONTOURS
 REVISE PER AGENCY COMMENTS
 REVISE STORM CHART & WOODING
 REVISIONS

1/09/08
 12/27/07
 07/17/07
 7/10/07
 5/19/07
 5/10/07

DATE

MARK

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 David J. Stoepelwerth

CERTIFIED: 1/5/07

STOEPPELWERTH & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 7865 East 108th Street, Fishers, IN 46038-2005
 Phone: (317) 849-5935 Fax: (317) 849-5942
 Toll Free: (800) 728-6917

INDIANA

SITE DEVELOPMENT PLAN
 MAPLES AT SPRINGMILL
 SECTION 2

DRAWN BY: TWF
 CHECKED BY: WAB

SHEET NO.
C200
 S & A JOB NO.
 51950SKJ-S2

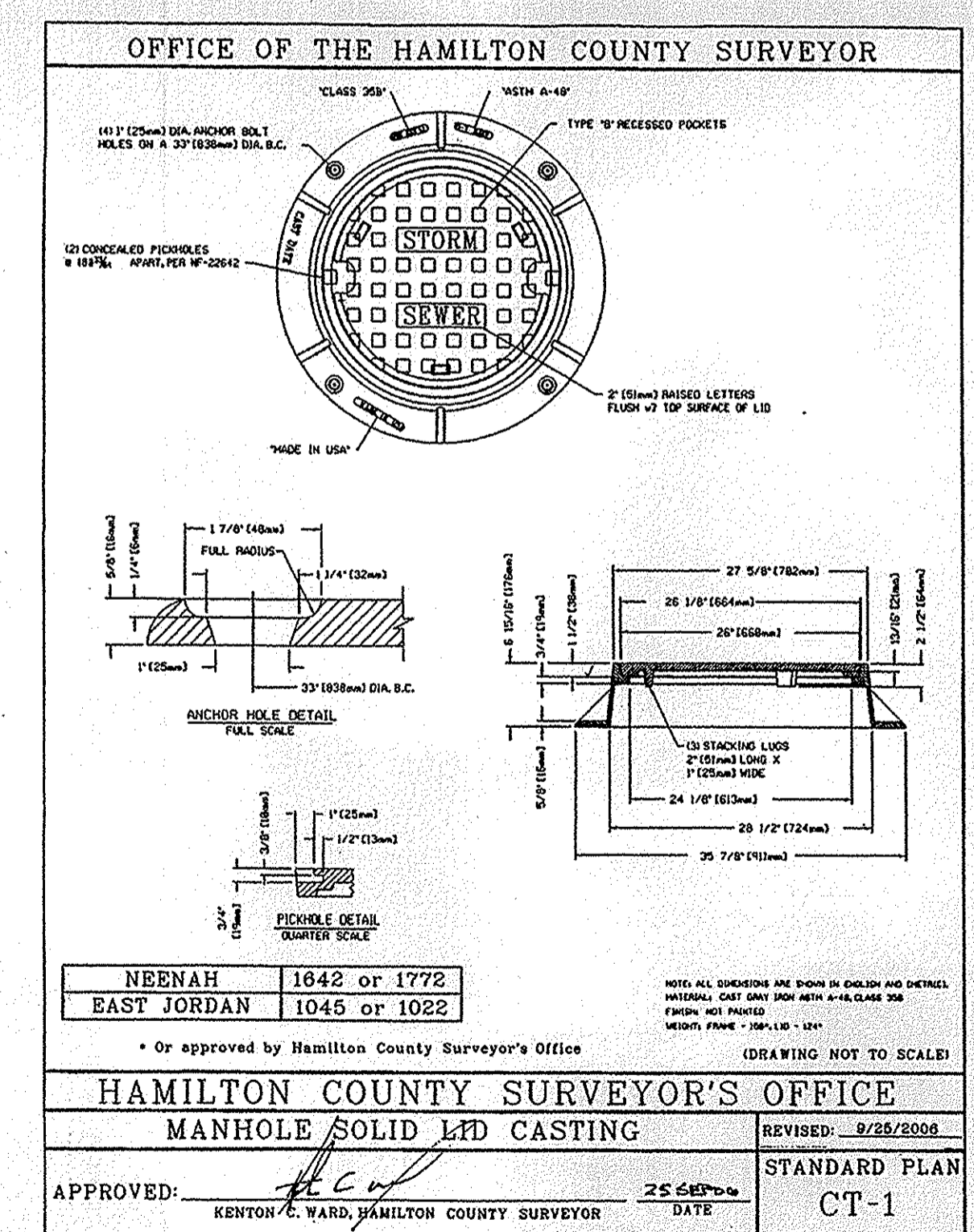
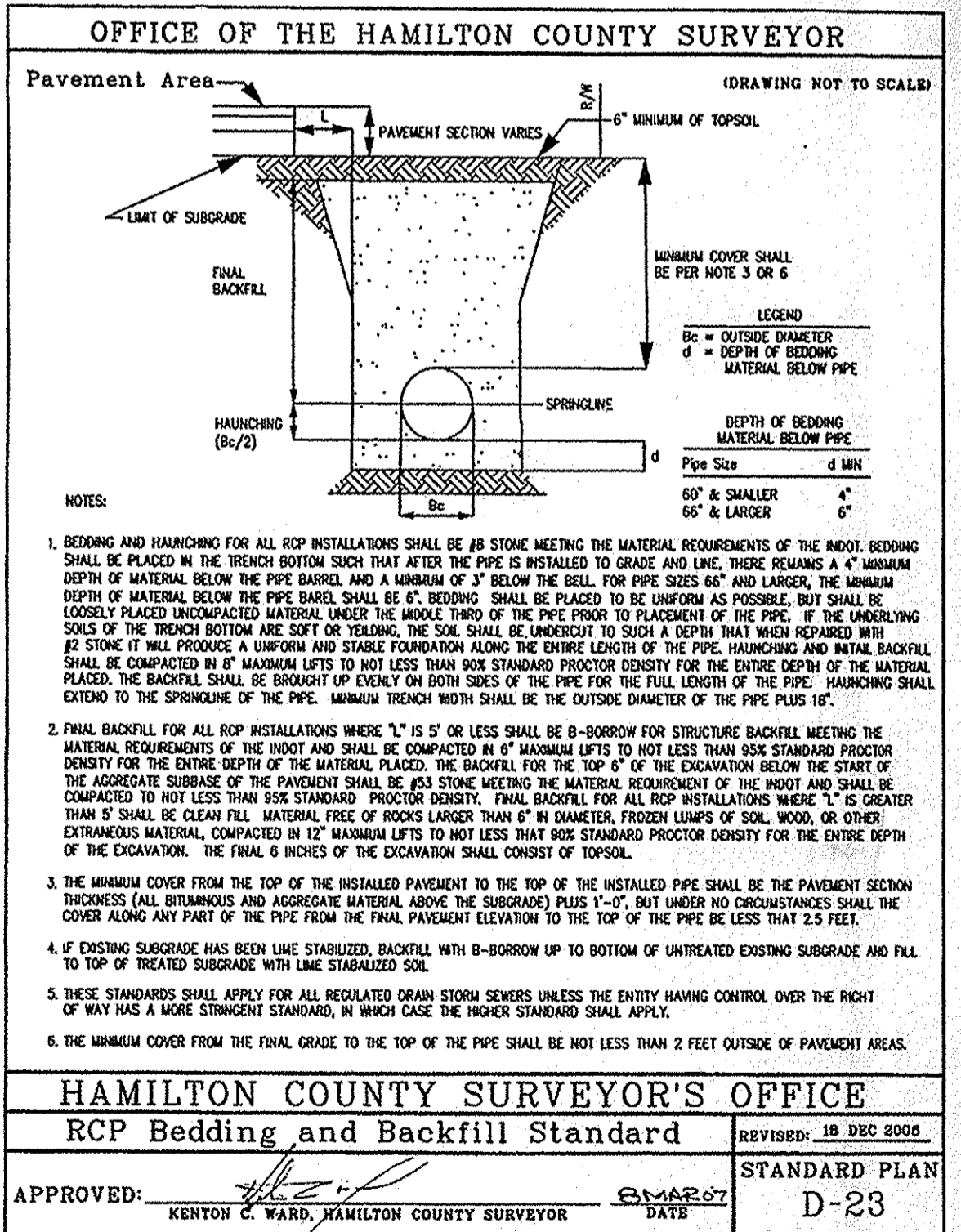
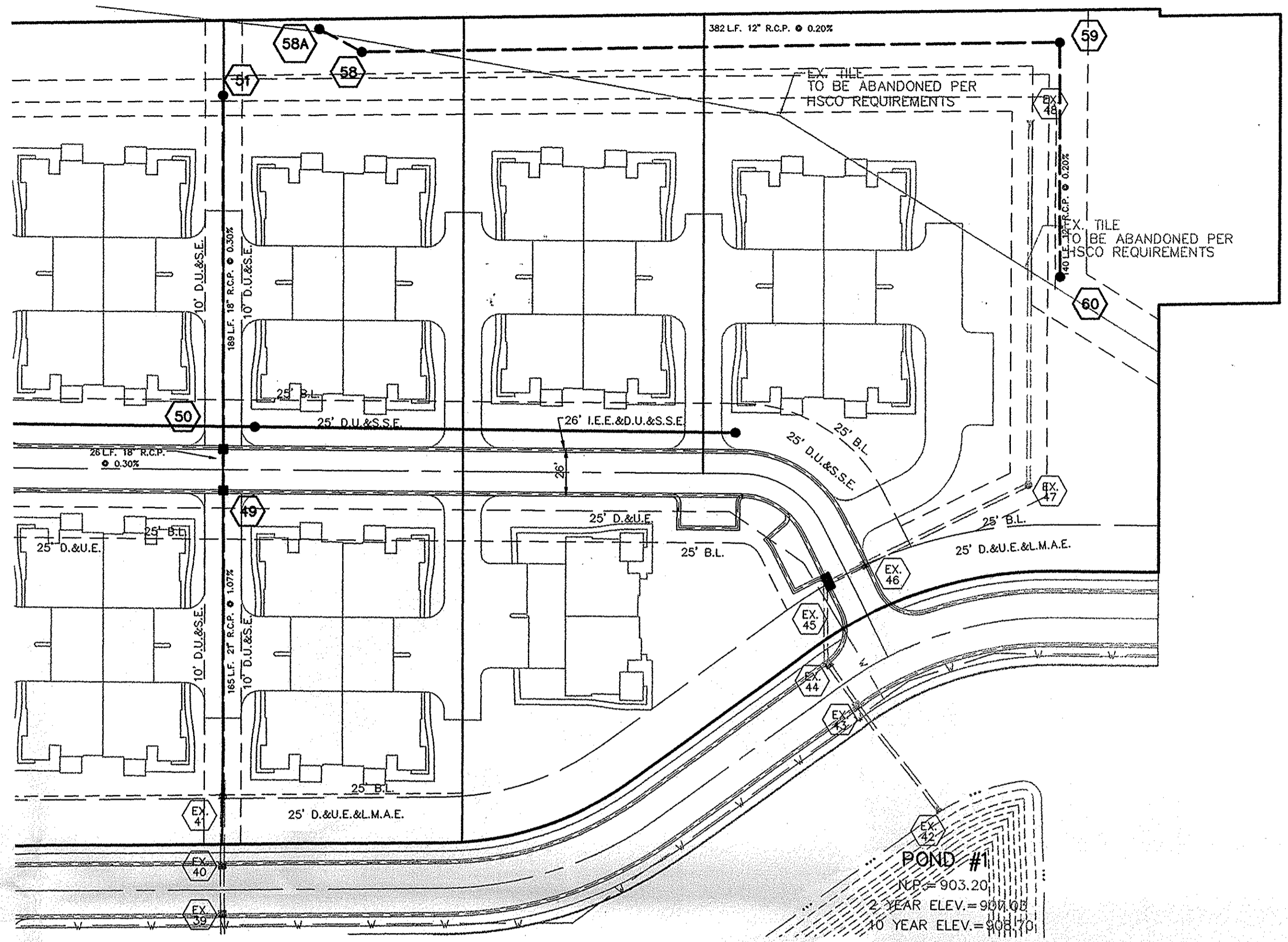
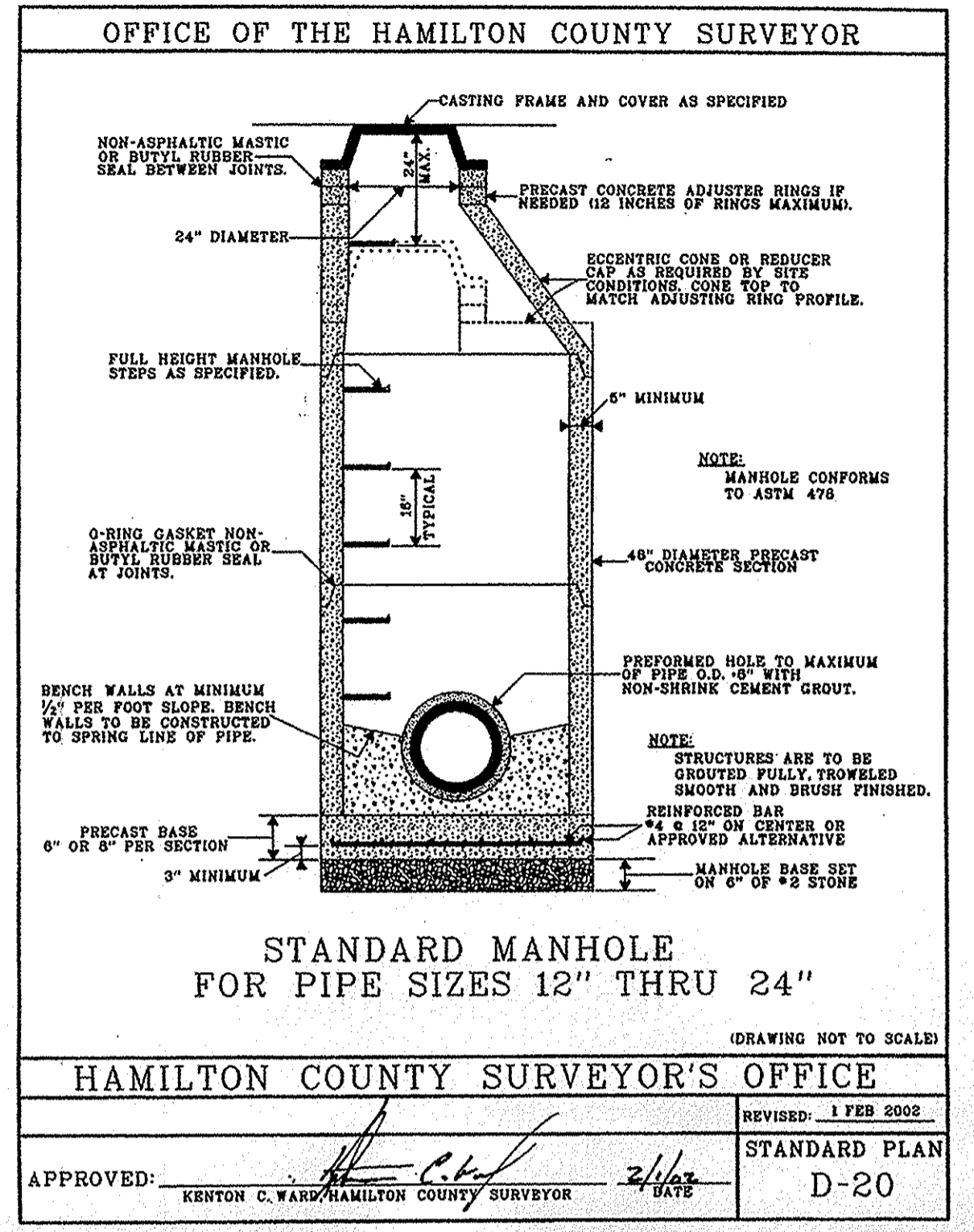
STR. 58-60 IS A REGULATED DRAIN RECONSTRUCTION AND MUST BE DONE TO HCSO STANDARDS AND UNDER THE INSPECTION REVIEW OF HCSO. THIS IS ARM 4 OF THE E.M. OSBORN ARM ON THE ANNA KENDALL DRAIN.

OFFICE OF THE HAMILTON COUNTY SURVEYOR

PIPE SIZE (INCHES)	STRUCTURES LESS THAN 45° FROM T/C TO INVERT (INCHES)	MAXIMUM NUMBER OF SIDES OF THE BOX WITH PIPES	MINIMUM ANGLE BETWEEN PIPES (ANGLE IN DEGREES)	STRUCTURES GREATER THAN 45° FROM T/C TO INVERT	CURB CASTING PER DETAIL CT-7 OR CT-8
12 TO 18	24 X 24 BOX	3	2 - 135	MANHOLE DETAIL D-20 OR NOTE 2	YES
18 TO 24	30 X 30 BOX	3	2 - 135	MANHOLE DETAIL D-20 OR NOTE 2	YES WITH BOX/MI LID
24 TO 30	24 X 30 ¹ OR 30 X 30 BOX	3	2 - 135	MANHOLE DETAIL D-20 OR NOTE 2	YES WITH BOX/MI LID
30 TO 36	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-25 OR NOTE 2	YES WITH BOX/MI LID
36 TO 42	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-30 OR NOTE 2	YES WITH BOX/MI LID
42 TO 48	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-35 OR NOTE 2	YES WITH BOX/MI LID
48 TO 54	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-40 OR NOTE 2	YES WITH BOX/MI LID
54 TO 60	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-45 OR NOTE 2	YES WITH BOX/MI LID
60 TO 72	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	MANHOLE DETAIL D-50 OR NOTE 2	YES WITH BOX/MI LID

NOTES:
 1 - UP TO 15" PIPE CAN BE INSTALLED IN 24" SIDE. ALL OTHER PIPES SHALL BE INSTALLED IN LONG SIDE OF BOX.
 2 - A BOX WITH STEPS WITH WRITTEN SPECIAL DESIGN APPROVAL FROM HCSO.
 3 - A PIPE INSTALLED IN THE CORNER OF A BOX COUNTS AS USING 2 SIDES OF THE BOX.
 4 - STRUCTURES SHALL BE DESIGNED FOR MAXIMUM FLOW THROUGH STRUCTURE.
 SPECIAL NOTE: ALL STRUCTURES REQUIRE 0.1% OF DROP ACROSS THE STRUCTURE (LOWEST INLET INVERT TO OUTLET INVERT).
 SPECIAL NOTE: ALL MANHOLES SHALL HAVE STEPS TO WITHIN A MAXIMUM OF 1 FOOT FROM BOTTOM OF STRUCTURE. INSPECTOR MAY REQUIRE STEPS TO BE INSTALLED OR MOVED AFTER STRUCTURE IS SET TO IMPROVE ACCESS.
 SPECIAL NOTE: IF CURB INLET STRUCTURE IS TO HAVE 2 FOOT SUMP, THEN THE STRUCTURE SHALL BE A MINIMUM OF A 48" MANHOLE OR A 3 FOOT BY 4 FOOT BOX.
 SPECIAL NOTE: DOUBLE INLET BOX STRUCTURES SHALL PROVIDE SUPPORT FOR ALL 4 SIDES OF THE CASTING.
 SPECIAL NOTE: ALL CASTINGS SHALL BE PER THE APPROVED CASTING DETAILS OR BY SPECIAL WRITTEN APPROVAL FROM HCSO.
 SPECIAL NOTE: NO "DOGHOUSE" STRUCTURES ARE ALLOWED.

HAMILTON COUNTY SURVEYOR'S OFFICE
 STORM STRUCTURE SIZING TABLE
 APPROVED: KENTON C. WARD, HAMILTON COUNTY SURVEYOR
 DATE: 3/26/07
 STANDARD PLAN D-18



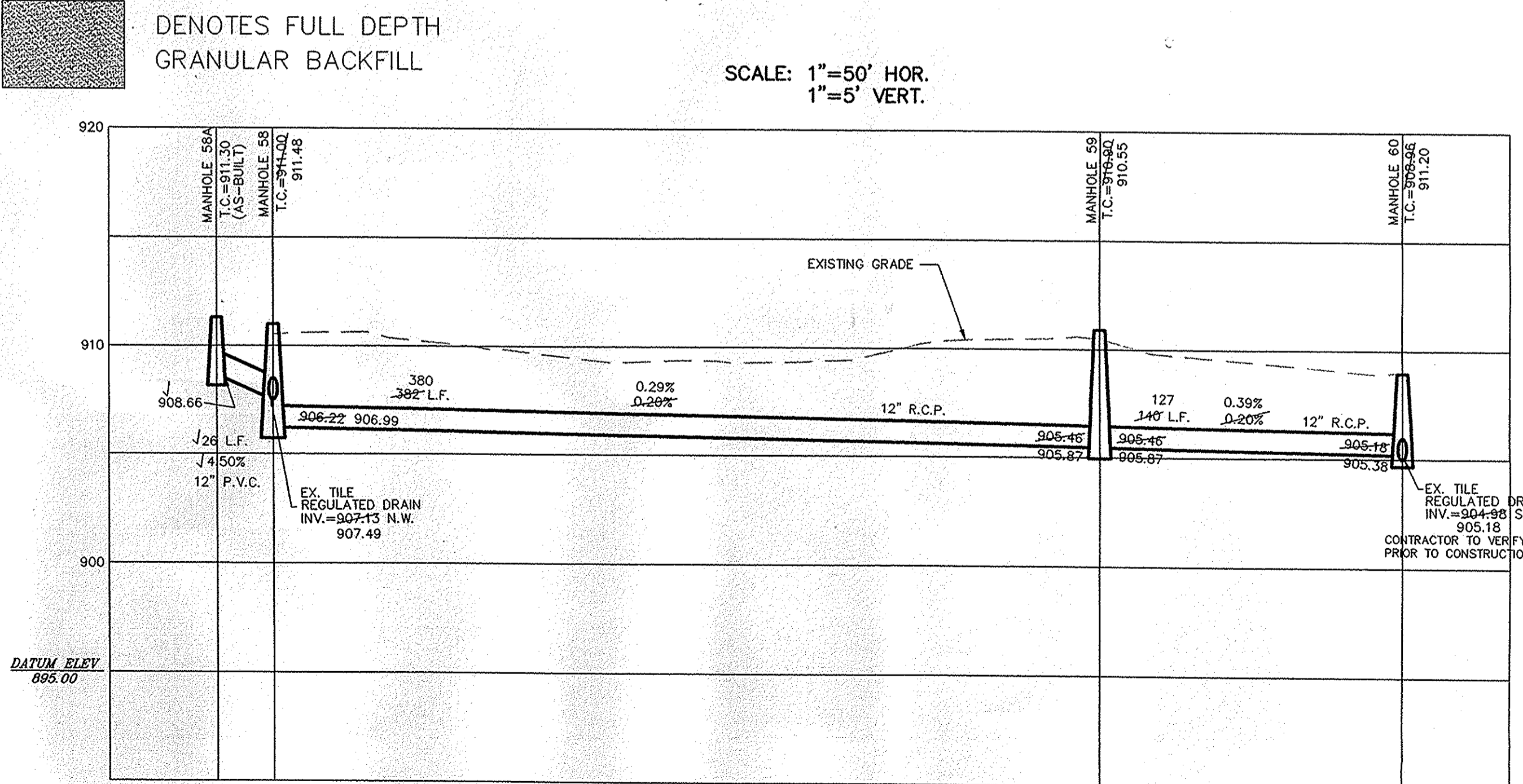
RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 DATE: 1/9/08



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: 12/30/2009
 Entered By: SLM

NOTE: ALL YARD INLETS ARE TO BE CONSTRUCTED AT A TOLERANCE OF +0.00' TO -0.20' OF PLAN GRADE.
 ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE- DRAINS TO WATERWAY"
 ALL STORM CROSSINGS IN RIGHT OF WAY WITH LESS THAN 30" COVER TO FINISH PAVEMENT GRADE WILL BE BACKFILLED WITH #8 STONE



STOEPPELWERTH & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 7965 East 106th Street, Fishers, IN 46038-2005
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CERTIFIED: 1/5/07

INDIANA
 WESTFIELD

STORM SEWER PLAN & PROFILE
 MAPLES AT SPRINGMILL
 SECTION 2

DATE: 1/9/08
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