



December 29, 2005

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

RE: Lion Creek Drain, Long Ridge Estates, Lacrosse Fields Arm

Attached is a petition filed by Boomerang Development, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Long Ridge Estates, Lacrosse Fields Arm, Lion Creek 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:

12" RCP 553 ft. 18" RCP 107 ft. 15" RCP 240 ft. Open Ditch 280 ft.

The total length of the drain will be 1,180 feet.

The open ditch listed above is that open ditch between Structure 904 and existing Lake #5 of Clayborne Section 3.

The existing lake (Lake #5) in Common Area Block "M" of Clayborne Section 3 and the swale along the north side of the fields are already part of the regulated drain per my report to the Board for Lion Creek, Clayborne Section 3 Arm dated October 11, 2005, approved by the Board on January 23, 2005..

The subsurface drains (SSD) under the curbs are not to be part of the regulated drain. The maintenance responsibility will be that of the property owner.

The area where the Lacrosse Fields are to be located is currently assessed to the Lion Creek Drain as Common Area Block "N" of Clayborne Section 3. With this report I recommend no changes to the current assessments.

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 Insurance Company

Date: October 19, 2005 Number: 5019346 For: Storm Sewers Amount: \$45,923.00 Agent: Bond Safeguard Insurance Company

Date: October 19, 2005 Number: 5019345 For: Erosion Control Amount: \$6,000.00

Parcels assessed for this drain may be assessed for the Little Eagle Creek 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 Clayborne Section 3 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for March 27, 2006.

Kenton C. Ward

Hamilton County Surveyor

KCW/llm

	(Revised 06/08/04)
STATE OF INDIANA)	
)	
COUNTY OF HAMILTON)	
,	
TO: HAMILTON COUNTY DRAINAGE BOARD	
% Hamilton County Surveyor	
One Hamilton County Square, Suite 188	
Noblesville, IN 46060-2230	
Y 13 70 4 4 7 70 13	
In the matter of Longridge Estates, Lacrosse Fields	Subdivision, Section
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 **Longridge Estates**, **Lacrosse Fields**, 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	Signed
Printed Name proposer August 12, 2005 Booners Deversences	Printed Name
Date	Date
Signed	Signed
Printed Name	Printed Name
Date	Date

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Lion Creek Drain, Long Ridge Estates, Lacrosse Fields Arm

On this **27th** day of March 2006, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Lion Creek Drain, Long Ridge Estates, Lacrosse Fields 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 Sepette Mostrey

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Longridge Estates Lacross Fields

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 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. Type or Print Name: <u>Jeffory W. Darling</u> Business Address: Stoeppelwerth & Associates, Inc. 9940 Allisonville Road, Fishers, Indiana 46038 Telephone Number:____(317) 849-5935 **SEAL** INDIANA REGISTRATION NUMBER 900017

EEF/jag
S:\47425LA\Blue_Book\Applications - Notice\CERTIFICATE OF COMPLETION AND COMPLIANCE008-03-06.doc





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 23, 2008

Drain: open ditch

Total:

265

265

Re: Lion Creek Drain: Long Ridge Estates, Lacrosse Fields Arm

Attached are as-builts, certificate of completion & compliance, and other information for Lacrosse Fields Arm. 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 December 29, 2005. The report was approved by the Board at the hearing held March 27, 2006. (See Drainage Board Minutes Book 9, Pages 137-138) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes:
900-901	101	12	RCP	913.28	910.15	3.1	-4
901-902	191	12	RCP	910.15	909.55	0.31	-1
902-903	221	15	RCP	909.55	909.12	0.19	
903-904	107	18	RCP	909.12	909.02	0.09	
907-902	128	12	RCP	910.33	909.83	0.39	
906-902	8	15	RCP	909.83	909.55	3.5	2
908-909	128	12	RCP	909.63	909.25	0.3	
903-908	14	15	RCP	909.25	909.12	0.93	1
					Other		

RCP Pipe Totals:

12	548
15	243
18	107

Total:

898

The length of the drain due to the changes described above is now 1163 feet.

The non-enforcement was approved by the Board at its meeting on March 27, 2006 and recorded under instrument # 200600019140.

The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its January 28, 2008 meeting.

Bond-LC No: 5019346 **Insured For:** Storm Sewers

Amount: \$45,923.00

Issue Date: October 19, 2005

Bond-LC No: 5019345

Insured For: Erosion Control

Amount: \$6,000.00

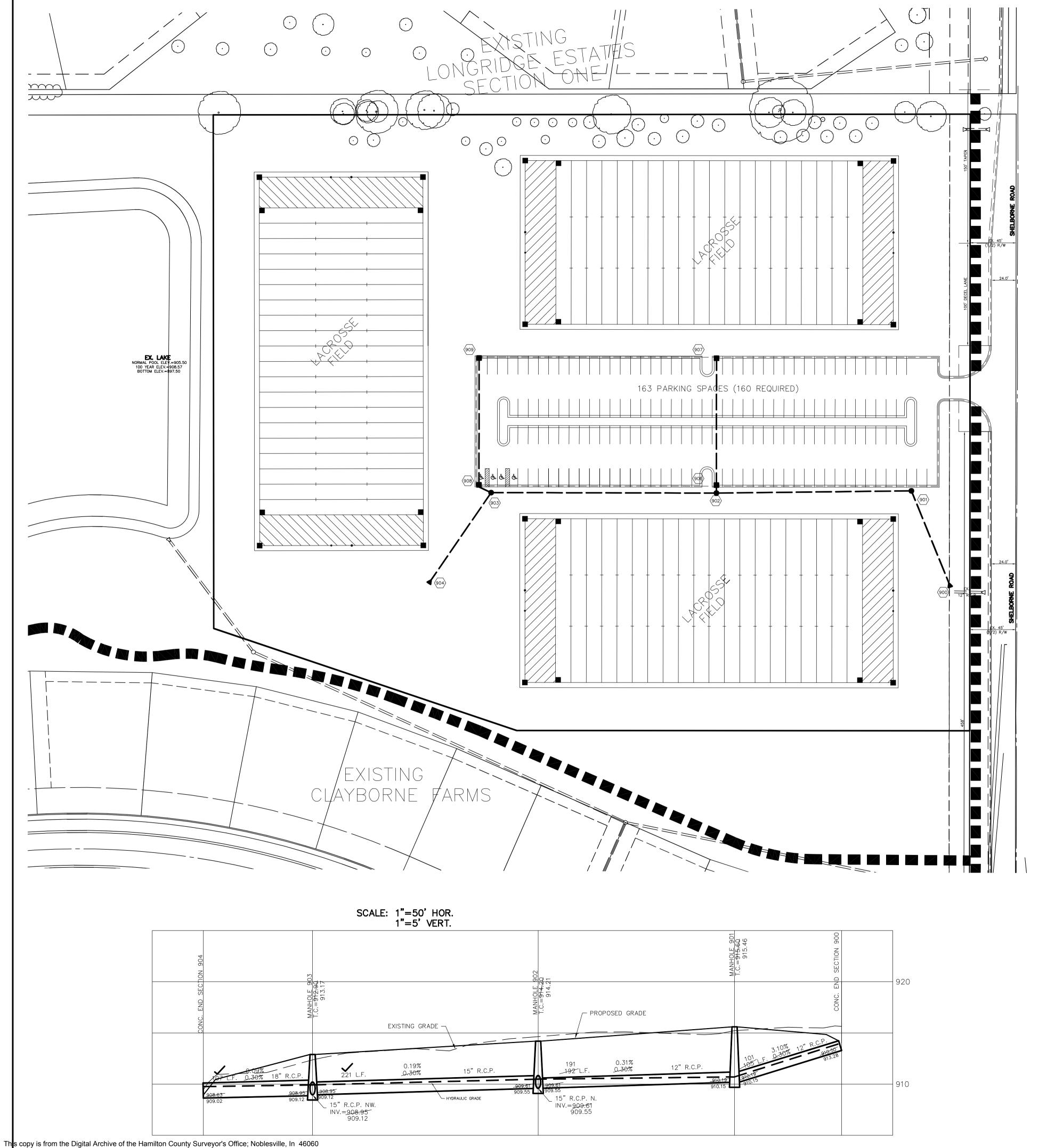
Issue Date: October 19, 2005

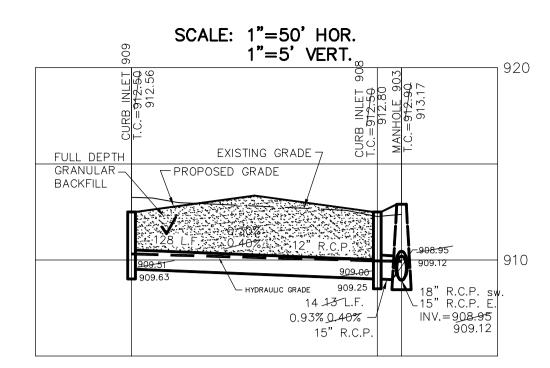
I recommend the Board approve the drain's construction as complete and acceptable.

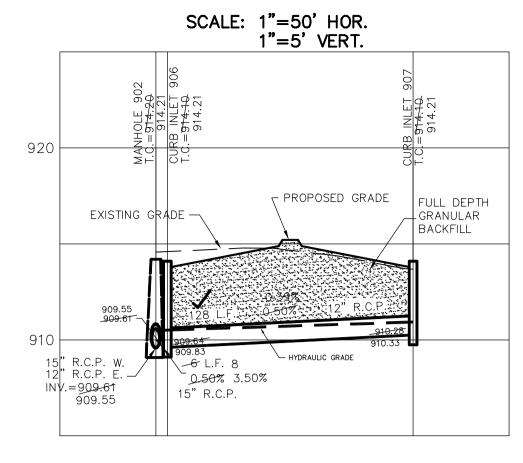
Sincerely,

Kenton C. Ward, CFM Hamilton County Surveyor

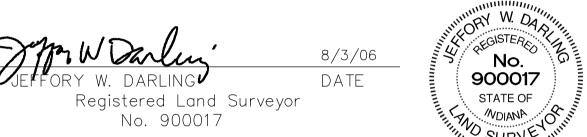
KCW/slm

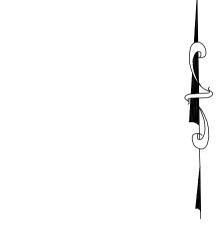




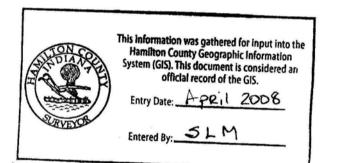


RECORD DRAWING





SCALE: 1"= 50'



CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"×24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"×30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"×36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or		MH/BOX	DESIGN	Yes**	Yes	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX ** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED. SPECIAL NOTE:
STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

CONSTRUCTION TOLERANCE FOR YARD INLETS WILL BE +0.0' TO -0.20'

"EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SÉWERS IS 18" OR LESS."

ALL MANHOLES TO BE CONSTRUCTED WITH ONE 4" RISER RING (NO MORE, NO LESS) TO ESTABLISH PLAN CASTING GRADE.

ALL EXISTING OFF-SITE DRAIN TILES THAT ARE NCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINS TO WATERWAY".

FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS, REGARDLESS OF THE 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". IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

SHEET NO.

CONSUI (317) 849

PROFIL

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SEWER

ESTATE! FIELDS

ONGRIDGE LACROSSE

C600

JOB NO. 47425LA