

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

October 18, 2007

TO: Hamilton County Drainage Board

RE: S.M. Smith Drain, Maple Village Section 2 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 Maple Village Section 2 Arm, S.M. Smith Drain to be located in Washington 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	6,580 ft.	24" RCP	234 ft.
12" HDPE	227 ft.	27" RCP	374 ft.
12" RCP	837 ft.	30" RCP	131 ft.
15" RCP	176 ft.	36" RCP	758 ft.
18" RCP	130 ft.		

The total length of the drain will be 9,447 feet.

With this project, the original S.M. Smith Drain between Sta. 18+25, which is the ending point of the reconstruction done for Maple Knoll Elementary, see my report dated April 7, 2005, hearing date January 23, 2006 (D.B. 9, pages 6 to 8), and approximately Sta. 5+00 will be vacated. The S.M. Smith Drain will temporarily be piped with the 12" HDPE pipe, listed above, from approximately Sta. 5+00 to Pond #3. This section of pipe will be vacated in the future when the future section of Maple Village is developed. Also, to be vacated with this project is 30 feet of 24" RCP from Str. 703 to Str. 711 per the report for the above mentioned Maple Knoll Elementary Relocation. This pipe was installed to pick up drainage from the area now being developed with this project and the drainage system will connect back into the same location as the pipe being vacated.

The retention ponds (Pond #2 and #3) located in Common Areas #4 and future common area is to be considered part of the regulated drain. Pond maintenance shall include the inlet(s), outlet(s) sediment removal and erosion control along the banks as part of the regulated drain. The maintenance of the retention pond (Pond #2 and #3) such as mowing and aquatic vegetation control will be the responsibility of the Homeowners Association. The Board however, will retain jurisdiction for ensuring the storage volume for which the pond was 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. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

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, with a \$65.00 minimum, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain/this section will be \$4,183.50.

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: May 3, 2007 Number: 5027032 For: Storm Drainage Amount: \$254,088.00

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 Maple Village Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 26, 2007.

Kenton C. Ward, CFM Hamilton County Surveyor

KCW/pl/

STATE OF INDIANA	A)	(100/06/04)
COUNTY OF HAMI	LION)	
% Hamilton Cou One Hamilton	DUNTY DRAINAGE BOARD nty Surveyor County Square, Suite 188 N. 46060-2230	
In the matter of	Maple Village	Subdivision, Section
Two	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 <u>Maple Village, Section 2</u>, 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.
- 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

R. BRASSENR not

Signed

Timothy J Printed Name

Signed

Printed Name

February 14, 2007

Date

Date

Signed

Signed

Printed Name

Printed Name

Date

Date



Maple Village Section 2 (AKA Sonoma) Engineers Estimate - Storm, Erosion Control & Monumentation Original: 4/30/07 By: NJR

Item	Unit	U	nit Cost	Quantities		Cost
Storm Drainage						
12" Pipe	LF	\$	23.06	760	¢	47 50
12" End Section	EA	\$	-	700	э \$	17,52
12" Trash Guard	EA	\$	-		э \$	-
15" Pipe	LF	\$	25.92	367	э \$	- 9,51
15" End Section	EA	\$	801.94	3	φ \$	2,40
15" Trash Guard	EA	\$	475.00	3	գ \$	2,40
18" Pipe	LF	\$		5	\$	1,42
18" End Section	EA	\$	-		\$	-
18" Trash Guard	EA	\$	-		\$	_
21" Pipe	LF	\$	-		\$	-
21" End Section	EA	Ś.	-		\$	-
21" Trash Guard	EA	\$	-		\$	-
24" Pipe	LF	\$	30.92	234	\$	7,23
24" End Section	ÉA	\$	982.30	2	\$	1,96
24" Trash Guard	EA	\$	475.00	2	\$	95
27" Pipe	LF	\$	-	0	\$	-
27" End Section	EA	\$		0	\$	-
27" Trash Guard	EA	\$	-		\$	-
30" Pipe	LF	\$	36.95	278	\$	10,27
30" End Section	EA	\$	1,335.98	1	\$	1,33
30" Trash Guard	EA	\$	475.00	1	\$	47
- 33" Pipe	LF	\$	-		\$	-
33" End Section	EA	\$	-		\$	-
33" Trash Guard	EA	\$	-		\$	-
36" Pipe	LF	\$	45.90	970	\$	44,52
36" End Section	EA	\$	1,395.98	2	\$	2,79
36" Trash Guard	EA	\$	475.00	2	\$	95
42" Pipe	LF	\$	-		\$	-
42" End Section	EA	\$	-		\$	-
42" Trash Guard	EA	\$	-		\$	-
48" Pipe	LF	\$	-		\$	-
48" End Section	EA	\$	-		\$	-
48" Trash Guard	EA	\$	-		\$	-
Standard Storm Manholes	EA	\$	1,967.30	11	\$	21,64
Large Storm Manholes & Double Inlets	EA	\$	-		\$	-
Storm Inlets	EA	\$	1,967.30	19	\$	37,37
Sand Backfill and Beding	TON	\$	9.10	340.00		3,09
Sub-tota	al				\$	163,48
Sub-surface Drains - under curb	LF	\$	5.66	6,670	\$	37,75
Sub-surface Drains - in swales	LF	\$		0,010	\$	
Sub-surface Drains - sump laterals	EA	\$	65.14	59	\$	3,84
Tota		Ψ	00.14	59	Գ \$	205,08
Monuments & Markers		-			7	
Lot Corner Monuments		¢	00.00	50.00	¢	F 0 (
	LOT	\$	90.00	59.00	\$	5,31
Street Centerline Monumentation	EA	\$	150.00	9.00	\$	1,35
Tota					\$	6,66
Erosion Control > Not Applicable - Property annexed by Tow by Westfield MS4 permit.	LS n of Westfield	and go	NA overned	NA	NA	L.
Tota	al				\$	-
Grand Tota	al				\$	211,74
er Hamilton County Ordinance - Bond Amo	unt			120%	- 2	254,08

BY: Timothy J. Walter, P.E. Indiana Registration No. 19900152

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9757 Westpoint Drive, Suite 600 Indianapolis, IN 46256



State of: ILLINOIS County of: DUPAGE

On May 3, 2007, before me, Melissa Schmidt, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Heather A. Beck, known to me to be Attorney-in-Fact for 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 on 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: June 23, 2008.

Notary



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF

S. M. Smith Drain, Maple Village Section 2 Arm

NOTICE

To Whom It May Concern and:_____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the S. M. Smith Drain, Maple Village Section 2 Arm on November 26, 2007 at 9:10 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

S. M. Smith Drain, Maple Village Section 2 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **November 26, 2007** 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

S. M. Smith Drain, Maple Village Section 2 Arm

On this 26th day of November, 2007, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the S. M. Smith Drain, Maple Village Section 2 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

Synette Mastruch Attest:

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Maple Village, 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.
- 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:)in , Chan	Date: October 25, 2007
Type or Print Name:	Dennis D. Olmstead - Stoe	ppelwerth & Associates, Inc.

Business Address: 7965 East 106th Street

Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900012





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

April 9, 2008

Re: Little Eagle Creek Drain: Maple Village Section 2

Attached are as-builts, certificate of completion & compliance, and other information for Maple Village Section 2. 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 October 18, 2007. The report was approved by the Board at the hearing held November 26, 2007. (See Drainage Board Minutes Book 10, Pages 514-515) The changes are as follows:

Up								
Structure:	Length:	Size	Material:	Invert:	Dn_Invert	Grade:	Changes(ft):	
706-705	31	12	RCP	917.58	917.4	0.58		
705-704	90	12	RCP	917.4	916.92	0.53		
704-703	28	36	RCP	914.53	914.43	0.36		
703-Ex	176	36	RCP	914.43	913.88	0.31	1	
708-707	109	12	RCP	915.92	914.66	1.16	-1	
707-704	107	36	RCP	914.66	914.53	0.12	1	
712-711	110	12	RCP	916.5	915.37	1.03		
711-710	133	36	RCP	915.37	915.2	0.13	2	
710-709	29	36	RCP	915.2	914.92	0.97	1	
709-707	129	36	RCP	914.92	914.66	0.2	1	
717-716	111	15	RCP	916.65	916.08	0.51		
716-714	131	30	RCP	916.08	915.78	0.23		
714-713	29	36	RCP	915.78	915.64	0.48	1	
713-711	128	36	RCP	915.64	915.37	0.21	-3	
718A-718	17	27	RCP	916.72	916.59	0.76	1	
718-716	130	27	RCP	916.08	916.59	0.39	-1	
715-714	51	12	RCP	916.52	915.78	1.45		
731-Ex	52	12	RCP	916.02	915.6	0.81	1	
730-Ex	39	12	RCP	915.17	914.85	0.82	-1	
729-Ex	38	12	RCP	915.06	914.22	2.21	-2	
743-742	36	12	RCP	915.44	915.4	0.11		
742-741	132	18	RCP	915.4	914.82	0.44	2	

699-700	125	27	RCP	916	915.63	0.3	_4
700-701	31	27	RCP	915.63	915.31	1.03	
701-702	61	27	RCP	915.31	914.82	0.8	-6
607-606	90	12	RCP	919.12	918.22	1	
605-605	50	12	RCP	918.22	917.61	1.22	-1
605-604	77	12	RCP	917.61	914.89	3.53	· · ·
697-696	59	15	RCP	917.35	916.21	1.93	-7
672A-672	15	24	RCP	916.57	916.49	0.53	-1
673-672	61	12	RCP	918.52	917.92	0.98	1
672-671	127	24	RCP	916.49	916.35	0.15	-4
671-670	28	24	RCP	916.35	916.01	1.04	
670-669	61	24	RCP	916.01	915.78	0.38	2
6" SSD Streets:			Other Drain:			RCP Pipe	
			12"				
Tilbury	679.5		HDPE	227		12	834
Wendover	511		Total:	227		15	170
Lichfield	476.5					18	132
Burntwood	1054					24	231
Kingsbridge	515					27	364
x2						30	131
Total:	6472					36	759
						Total:	2621

The length of the drain due to the changes described above is now 9320 feet.

The non-enforcement was approved by the Board at its meeting on November 26, 2007 and recorded under instrument #2007066457.

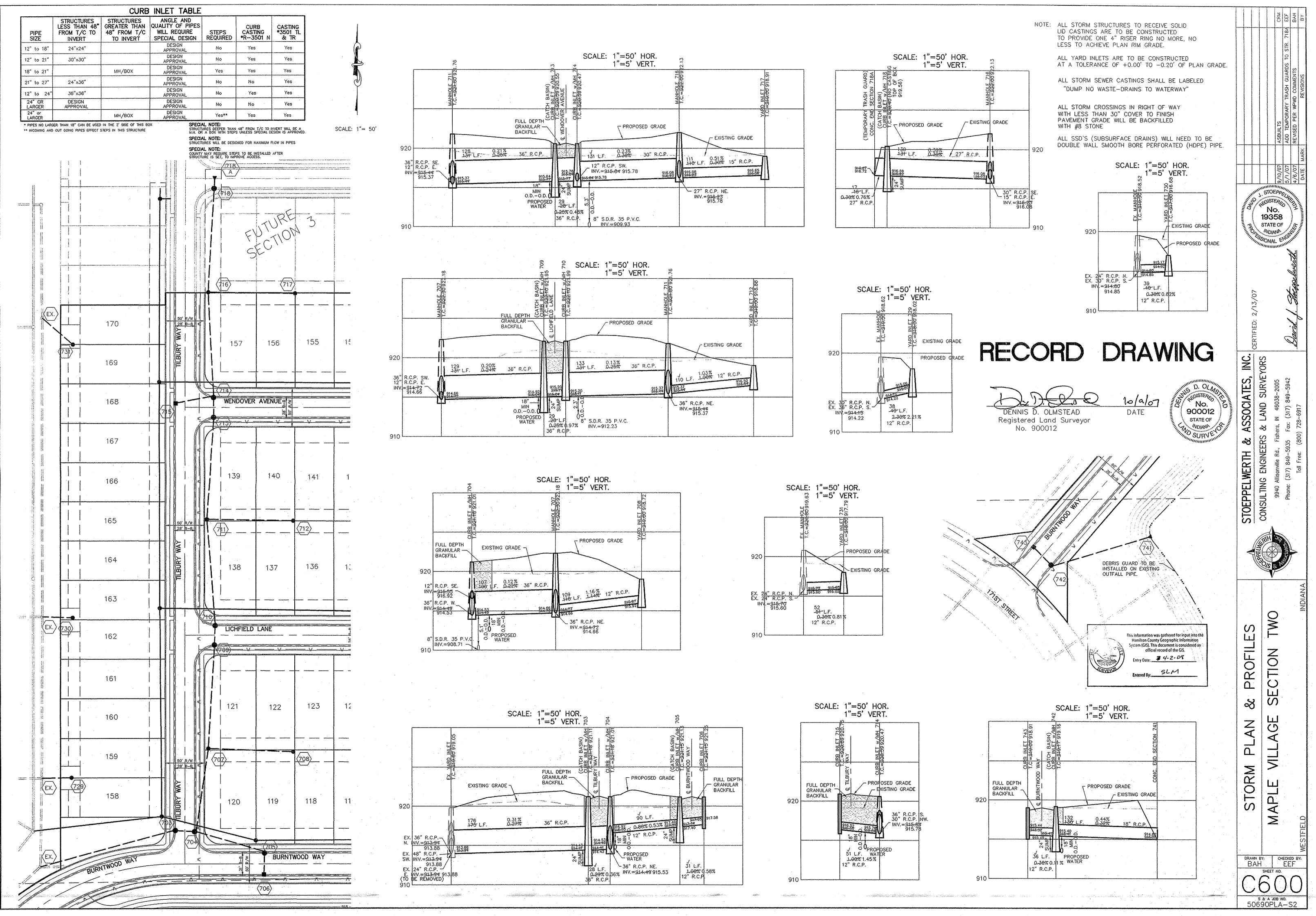
The following sureties were guaranteed by Bond Safeguard and released by the Board on its January 28, 2008 meeting.

Bond-LC No: 5027032 Insured For: Storm Sewers Amount: \$ 254,088 Issue Date: May 22, 2007

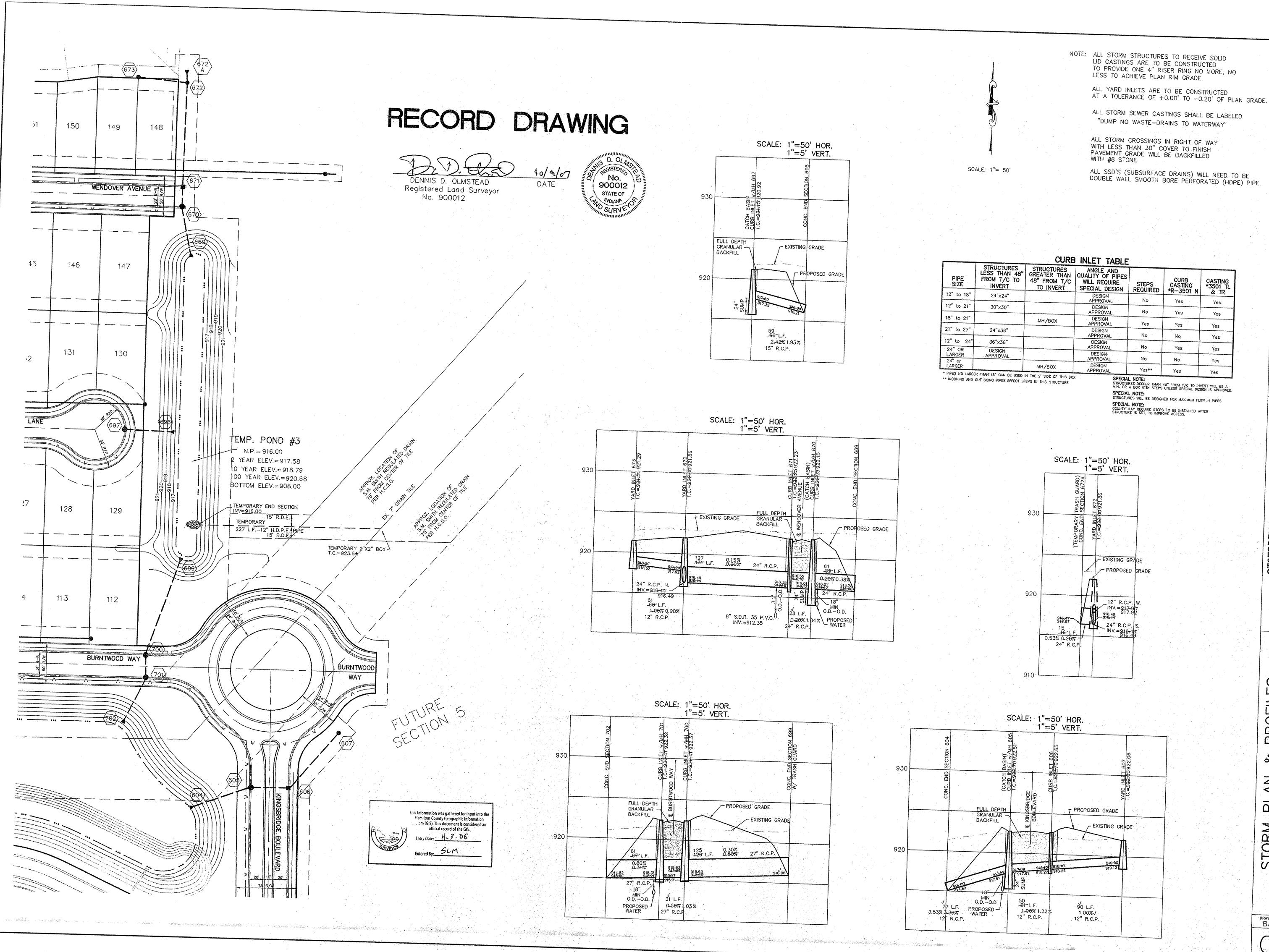
I recommend the Board approve the drain's construction as complete and acceptable.

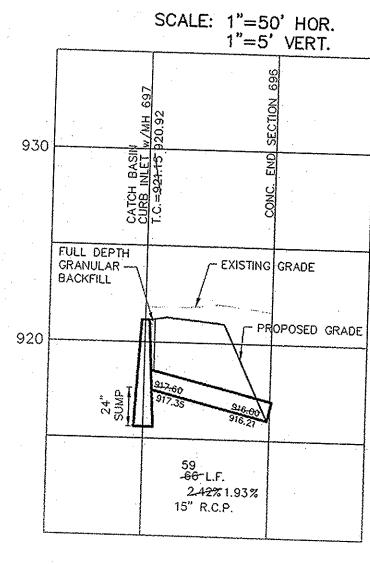
Sincerely,

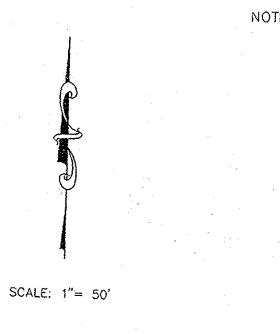
Kenton C. Ward, CFM Hamilton County Surveyor



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NOTE: ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.

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

	INLET	TAB	LE
RUCTURES	ANGLE	AND	·

LESS THAN 48" FROM T/C TO INVERT	GREATER THAN 48" FROM T/C TO INVERT	WILL REQUIRE	STEPS	CURB CASTING	CASTING *3501_TL
24"×24"		DESIGN			& TR
30"x30"		DESIGN	No		Yes
	мн/вох	DESIGN	Yes		Yes
24"×36"	>	DESIGN	No		Yes
36"x36"		DESIGN	No		······
DESIGN APPROVAL		DESIGN	No		Yes
	MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes
	LESS THAN 48" FROM T/C TO INVERT 24"x24" 30"x30" 24"x36" 24"x36" 36"x36" DESIGN	LESS THAN 48" GREATER THAN FROM T/C TO INVERT 24"x24" 30"x30" MH/BOX 24"x36" 36"x36" DESIGN APPROVAL	LESS THAN 48" GREATER THAN 48" FROM T/C INVERT QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN 24"x24" DESIGN APPROVAL 30"x30" DESIGN APPROVAL 24"x36" DESIGN APPROVAL 24"x36" DESIGN APPROVAL 36"x36" DESIGN APPROVAL DESIGN APPROVAL DESIGN APPROVAL 36"x36" DESIGN APPROVAL DESIGN APPROVAL DESIGN APPROVAL DESIGN APPROVAL DESIGN APPROVAL	LESS THAN 48" GREATER THAN 48" FROM T/C INVERT GREATER THAN 48" FROM T/C TO INVERT QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN STEPS REQUIRED 24"x24" DESIGN APPROVAL No 30"x30" DESIGN APPROVAL No 30"x30" DESIGN APPROVAL No 24"x24" DESIGN APPROVAL No 30"x30" DESIGN APPROVAL No 30"x30" DESIGN APPROVAL No 36"x36" DESIGN APPROVAL No DESIGN APPROVAL No No DESIGN APPROVAL No No MH /BOX DESIGN APPROVAL No	LESS THAN 48" FROM T/C TO INVERTGREATER THAN 48" FROM T/C TO INVERTQUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN APPROVALSTEPS REQUIREDCURB CASTING *R-3501 N24"x24"DESIGN APPROVALNoYes30"x30"DESIGN APPROVALNoYes24"x24"DESIGN APPROVALNoYes30"x30"DESIGN APPROVALNoYes24"x36"DESIGN APPROVALYesYes24"x36"DESIGN APPROVALNoNo36"x36"DESIGN APPROVALNoYesDESIGN APPROVALNoYesNoMH/BOXDESIGN APPROVALNoNoMH/BOXDESIGN APPROVALNoNoMH/BOXDESIGN APPROVALNoNoMH/BOXDESIGN APPROVALNoNoMH/BOXDESIGN APPROVALNoNo

SPECIAL NOTE: 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

