

**Drain:** SADDLE CREEK      **Drain #:** 295  
**Improvement/Arm:** SECTION 12  
**Operator:** JDH      **Date:** 6-21-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 2003

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH
- Digitize & Attribute Tile Drains \_\_\_\_\_
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch \_\_\_\_\_
- Stamp Plans \_\_\_\_\_
- Sum drain lengths & Validate \_\_\_\_\_
- Enter Improvements into Posse JDH
- Enter Drain Age into Posse [Signature]
- Sum drain length for Watershed in Posse [Signature]
- Check Database entries for errors \_\_\_\_\_

DRAIN: #295 SADDLE CREEK  
 IMPROVEMENT-ARM: SADDLE CREEK 12  
 HEARING DATE: Nov 24, 2003  
 DRAIN BOOK & PAGE: BK 7 pg 267-269

Installed 2003

FINAL REPORT CHECKLIST

- RELEASE BONDS 9-26-05
- NON-ENFORCEMENT ✓
- ENG CERT OF CC 2-23-06  
8-11-05
- ASBUILTS 8-11-05
- FIGURE PIPE LENGTHS ✓
- ENTER INTO GIS ✓
- WRITE FINAL REPORT 9-26-07
- ENTER INTO POSSE ✓ Do
- ENTER INTO GASB 34 SPREADSHEET ✓ Do
- SCAN SURVEYOR'S REPORTS ✓
- EMAIL WORD FILES TO LYNNETTE ✓
- COPIES OF REPORTS TO LYNNETTE \_\_\_\_\_

Chariots Whips

350 ✓	213 ✓
348 ✓	210 ✓
358 ✓	215 ✓
358 ✓	182 ✓
358 ✓	220 ✓
366 ✓	256 ✓
<u>350</u> ✓	232 ✓
178 ✓	236 ✓
154 ✓	295 ✓
165 ✓	358 ✓
168 ✓	260 ✓
<del>2</del>	317 ✓
	180 ✓
	180 ✓
	141 ✓
	142 ✓

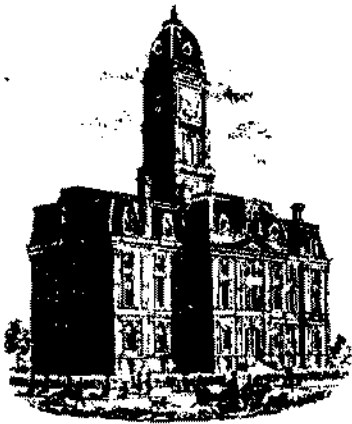
6432

Day Detention SSD

250 > CAS  
 652 > CAS  
 90  
 245 - CAL

SOZE,

- THE RELOCATION BEHIND LOTS 429, 430, 431 IS IN SEC. 12.
- I CALLED STOPPELWORTH 1-11-06 AND REQUESTED DIGITAL FORMAT & ECCC FOR THE RELOCATION.



SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*

*One Hamilton County Square*

*Noblesville, Indiana 46060-2230*

October 23, 2003

TO: Hamilton County Drainage Board

RE: Saddle Creek Drain ~~SEC 12~~

Attached is a petition filed by Ditch Road Properties, LLC. along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Saddle 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:

6" SSD	10,610 ft.	15" RCP	196 ft.
12" RCP	377 ft.	Open Ditch	30 ft.

The total length of the drain will be 11,213 feet.

The retention pond (lake #1) located in Common Area 6 and the dry basin in Common Area 5 are to be considered part of the regulated drain. The inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond and basin, such as mowing, will be the responsibility of the Homeowners Association. The Board will however retain jurisdiction for ensuring the storage volume for which the lake 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 and those main lines between lots or in rear yards. Only the main SSD lines which are located within the easement (right of way) are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows: in Common Areas 5 and 6, south side lot 452 and north side lot 453.

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 \$ 30.00 per platted lot, \$ 5.00 per acre for roadways, with a \$ 30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$ 2,277.60.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond/Letter of Credit are as follows:

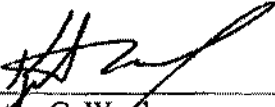
Agent: Gulf Insurance Company  
Date: August 21, 2003  
Number: B21879893  
For: Storm Sewers, Sub-surface Drain, Erosion Control  
Amount: \$170,888.00

Parcels assessed for this drain will be assessed for the O.F. Henley Drain.

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 Saddle Creek, Section 12 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 24, 2003.

  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Surveyor

KCW/pll



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

September 26, 2007

Re: Saddle Creek Drain: Saddle Creek Sec. 12

Attached are as-builts, certificate of completion & compliance, and other information for Saddle Creek Section 12. 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 23, 2003. The report was approved by the Board at the hearing held November 24, 2003. (See Drainage Board Minutes Book 7, Pages 267-269) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
829-828	293	12	RCP	905.73	904.53	0.41	
856B-856A	105	12	RCP	908.23	907.93	0.29	
856A-856	25	12	RCP	907.93	907.79	0.56	-7
856-855	30	15	RCP	907.79	907.65	1.04	
855-854	165	15	RCP	907.65	905.93	1.04	-1
854-854A	206	15	RCP	905.83	903.77	1	206
854A-854B	27	15	RCP	903.77	903.66	0.41	27
864-863	30	12	RCP	909.39	909.28	0.37	
863-862	184	12	RCP	909.28	906.94	1.27	-2
873-874	20	12	RCP	912.85	912.77	0.4	
865-866	157	15	RCP	907.43	906.96	0.3	
866-867	30	21	RCP	906.96	906.87	0.3	
867-868	152	24	RCP	906.87	906.41	0.3	
868-869	139	27	RCP	906.41	906	0.3	
872-871	30	15	RCP	907	906.88	0.4	
871-870	160	15	RCP	906.88	906	0.55	
861-860	30	15	RCP	907.2	907.08	0.4	
860-859	176	15	RCP	907.08	903	2.32	

**6" SSD Streets:**

Chariots Whisper	3216
x2	
<b>Total:</b>	<u>6432</u>

**6" SSD Lots:**

CA 5	250
CA 5	652
CA 5	90
CA 6	245

**RCP Pipe Totals:**

12	657
15	981
21	30
24	152
27	139

**Total:** 1237**Total:** 1959

\*Note: a portion of the asbuilt information is with Saddle Creek Section 10 & 11  
The length of the drain due to the changes described above is now **9628 feet**.

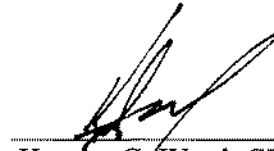
The non-enforcement was approved by the Board at its meeting on November 24, 2003 and recorded under instrument # 200400007712.

The following sureties were guaranteed by Gulf Insurance Company and released by the Board on its September 26, 2005 meeting.

**Bond-LC No:** B21879893**Insured For:** Storm Sewers, SSD, Erosion Control , Monuments**Amount:** \$170,888**Issue Date:** August 21, 2003

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

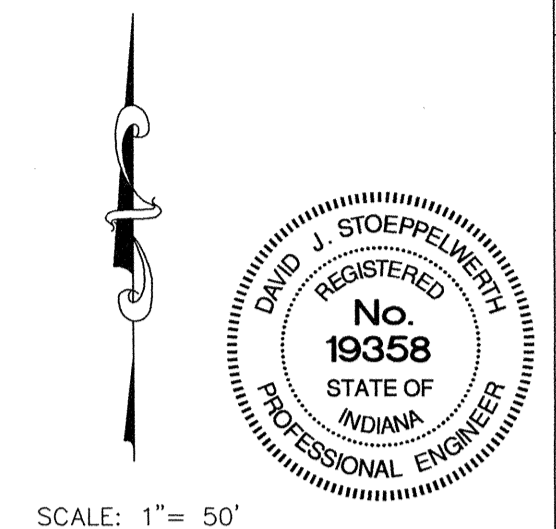
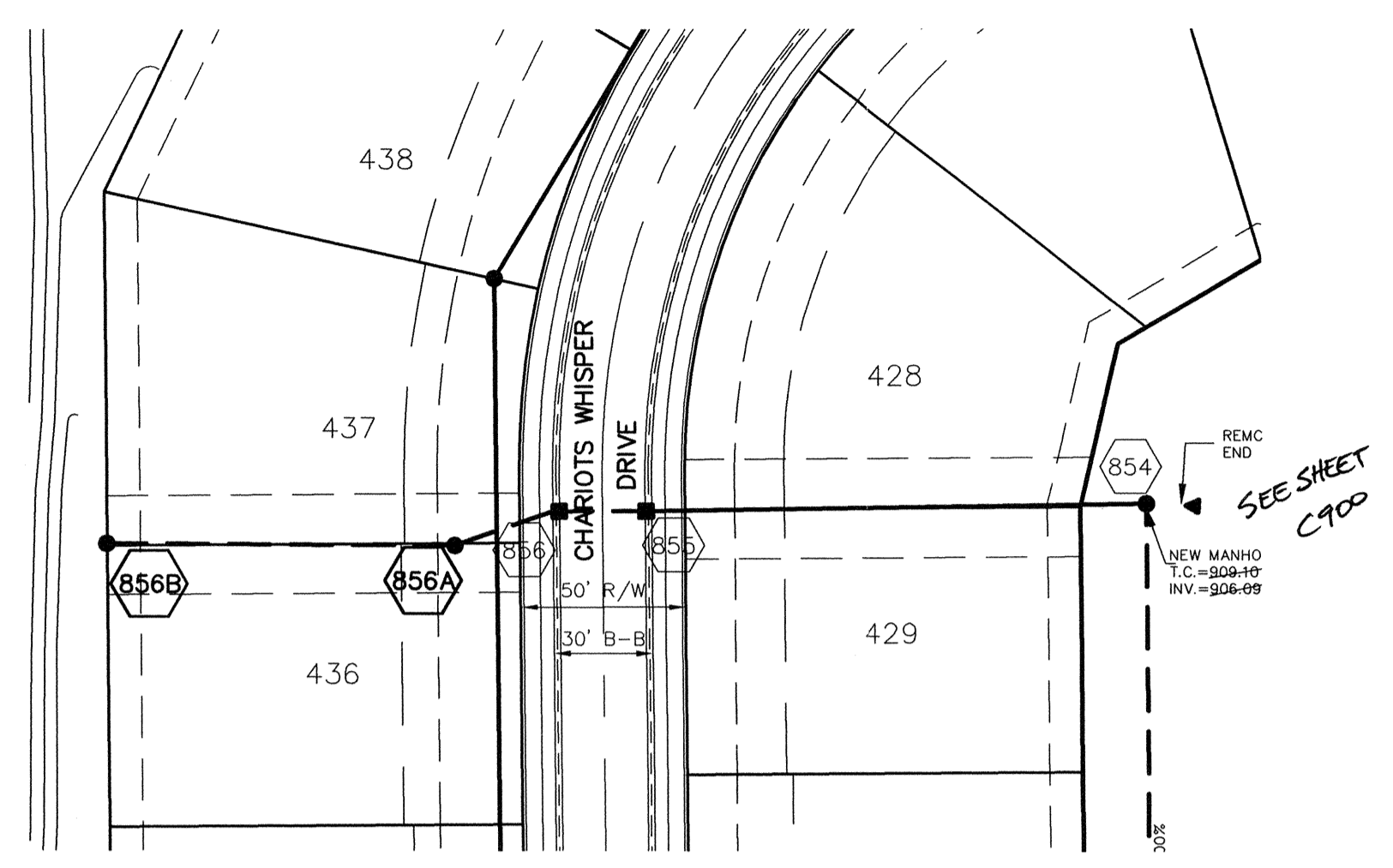
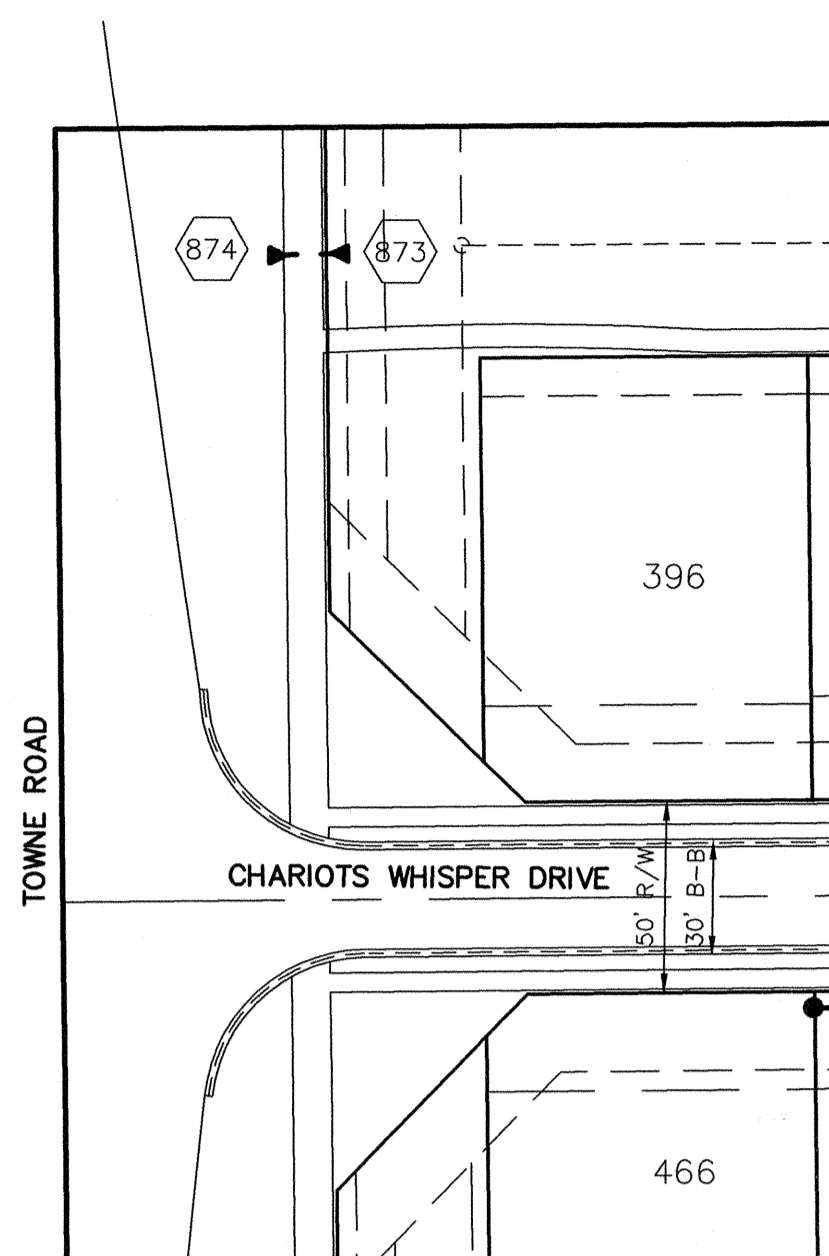
Sincerely,




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Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm



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"	2'x2'		DESIGN APPROVAL	No	Yes	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" or 27"	2'x3'*		DESIGN APPROVAL	No	No	Yes
24" or LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	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

**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.

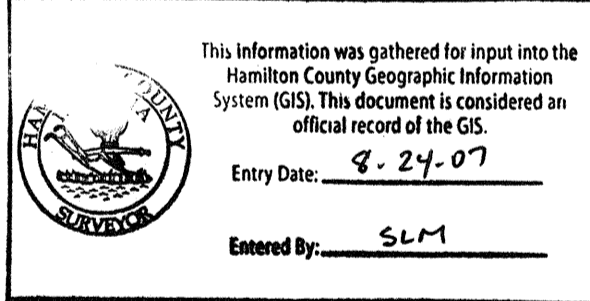
**SPECIAL NOTE:**  
 STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

**SPECIAL NOTE:**  
 COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

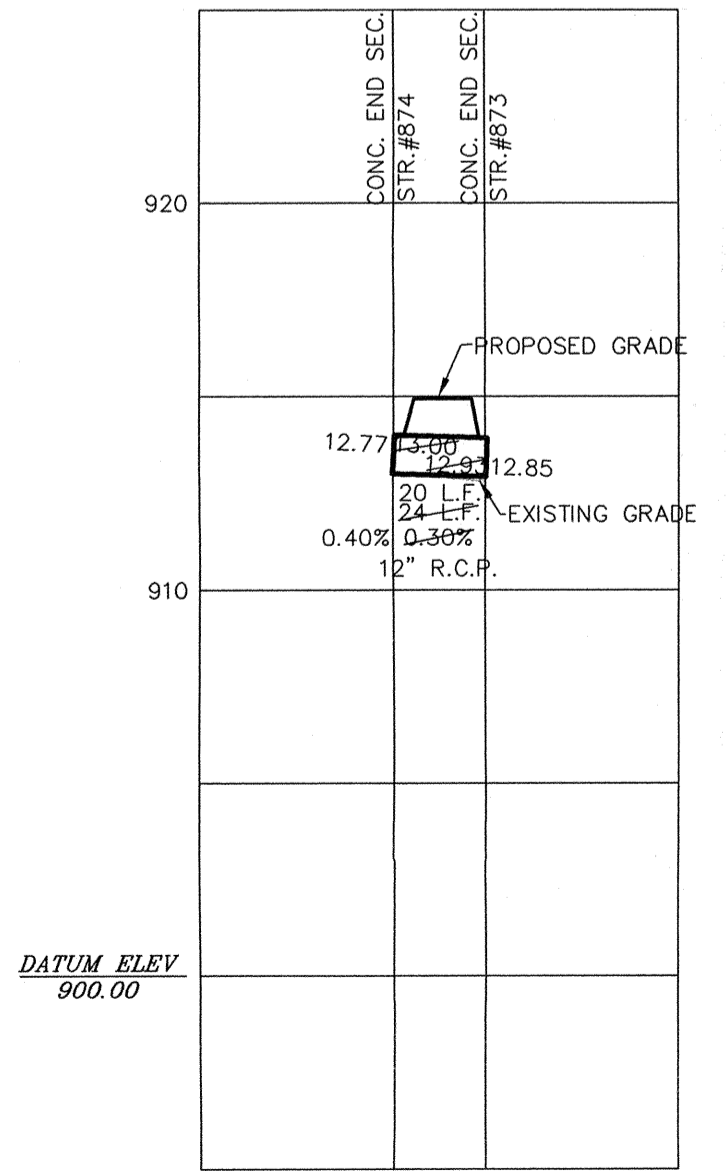
RECORD DRAWING

*Jeffery W. Darling*  
 JEFFERY W. DARLING  
 Registered Land Surveyor  
 No. 900017

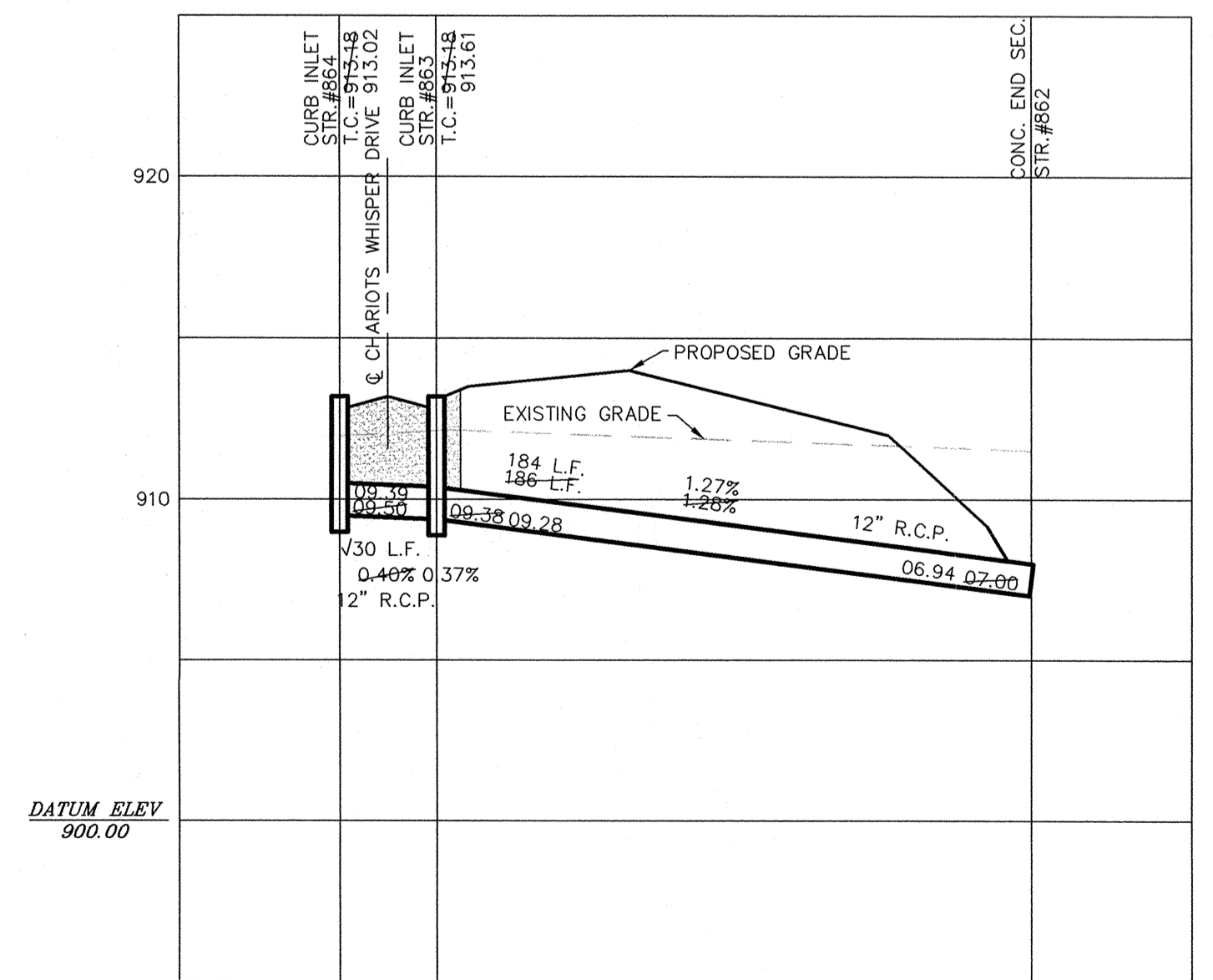
01/15/04  
 DATE



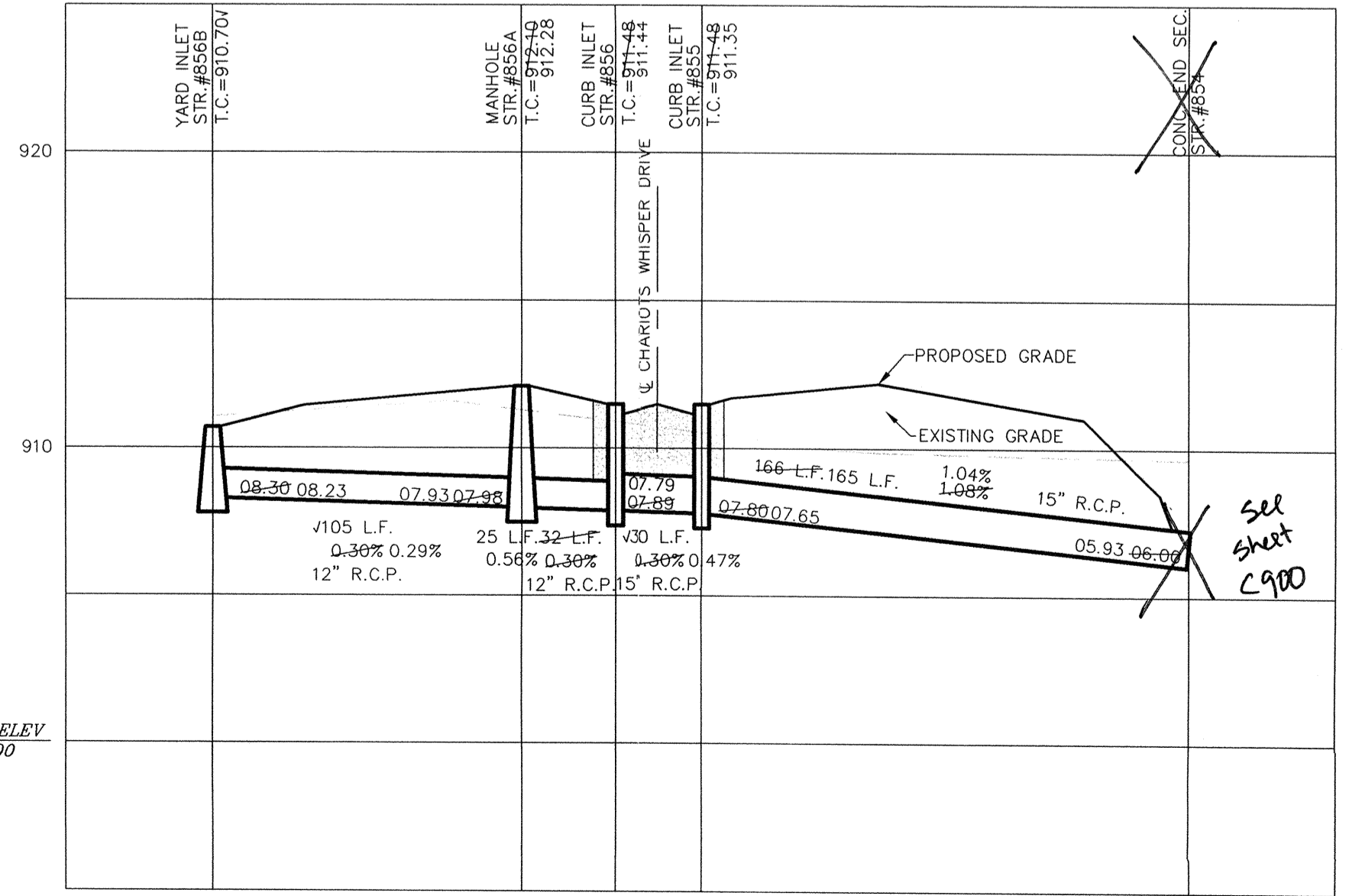
SCALE: 1" = 50' HOR.  
 1" = 5' VERT.



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



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



S:\06\1512\dwg\C600-STORM1.dwg, Layout1, 10/30/2006 9:46:16 AM, bbryant, 1:1

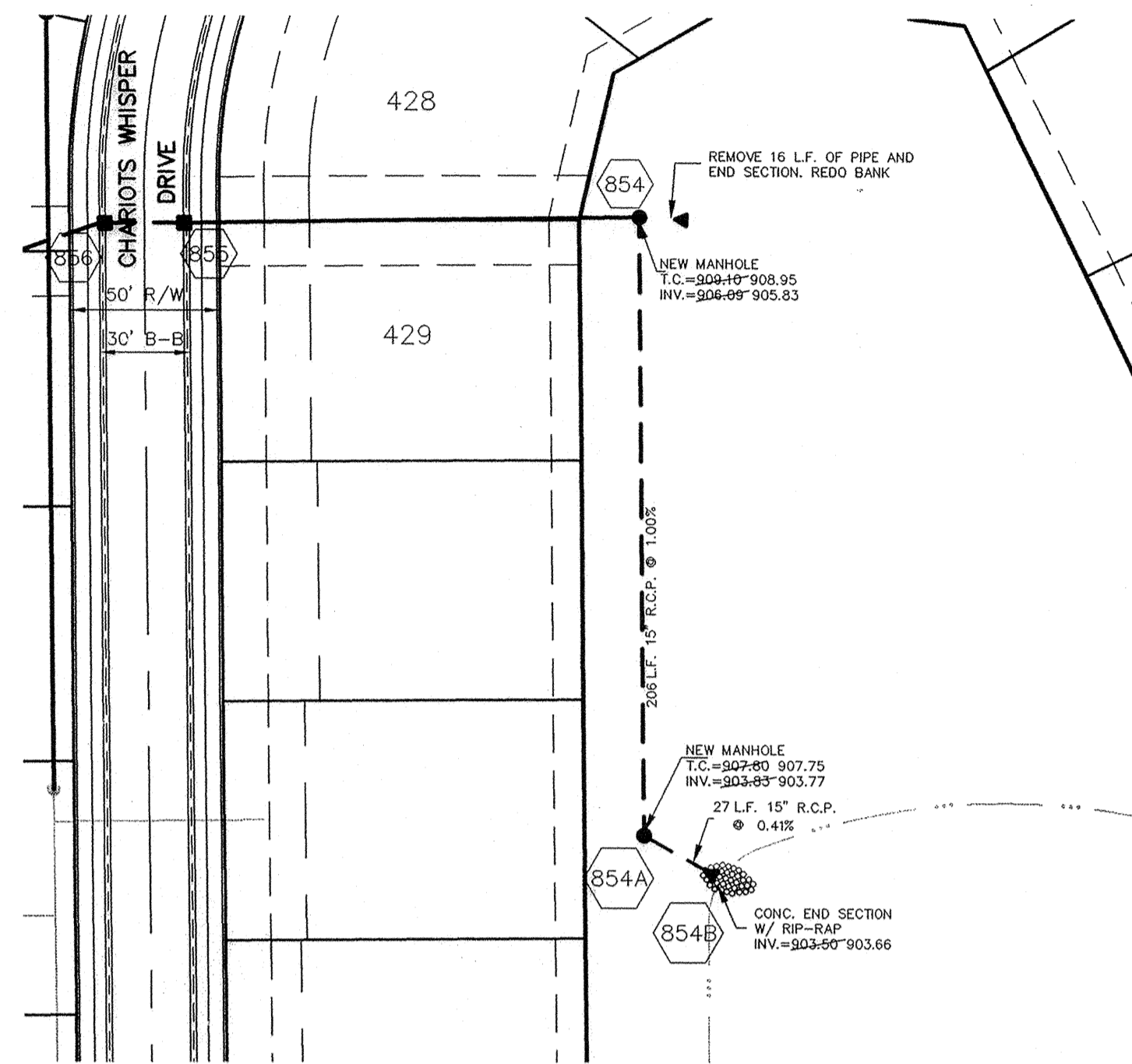
OWN BY: 3/12/03  
 TIME: 3:12/03  
 DRAWN BY: David J. Stappelweert  
 CHECKED BY: David J. Stappelweert  
 SCALE: 1" = 50'  
 DATE: 3/12/03  
 AS BUILT: 07/15/04  
 REVISIONS: 8/18/03

CERTIFIED: 3/12/03  
 David J. Stappelweert  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA

CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA

STORM SEWER PLAN & PROFILE  
 SADDLE CREEK SECTION 12  
 INDIANA  
 CARMEL

SHEET NO. C600  
 JOB NO. 42611



SCALE: 1" = 50'

DAVID J. STOEPPELWERTZ  
REGISTERED  
No. 19358  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE	DATE	DATE	DATE	DATE
8/10/05				

CERTIFIED: 8/10/05

David J. Stoeppelwertz

# RECORD DRAWING

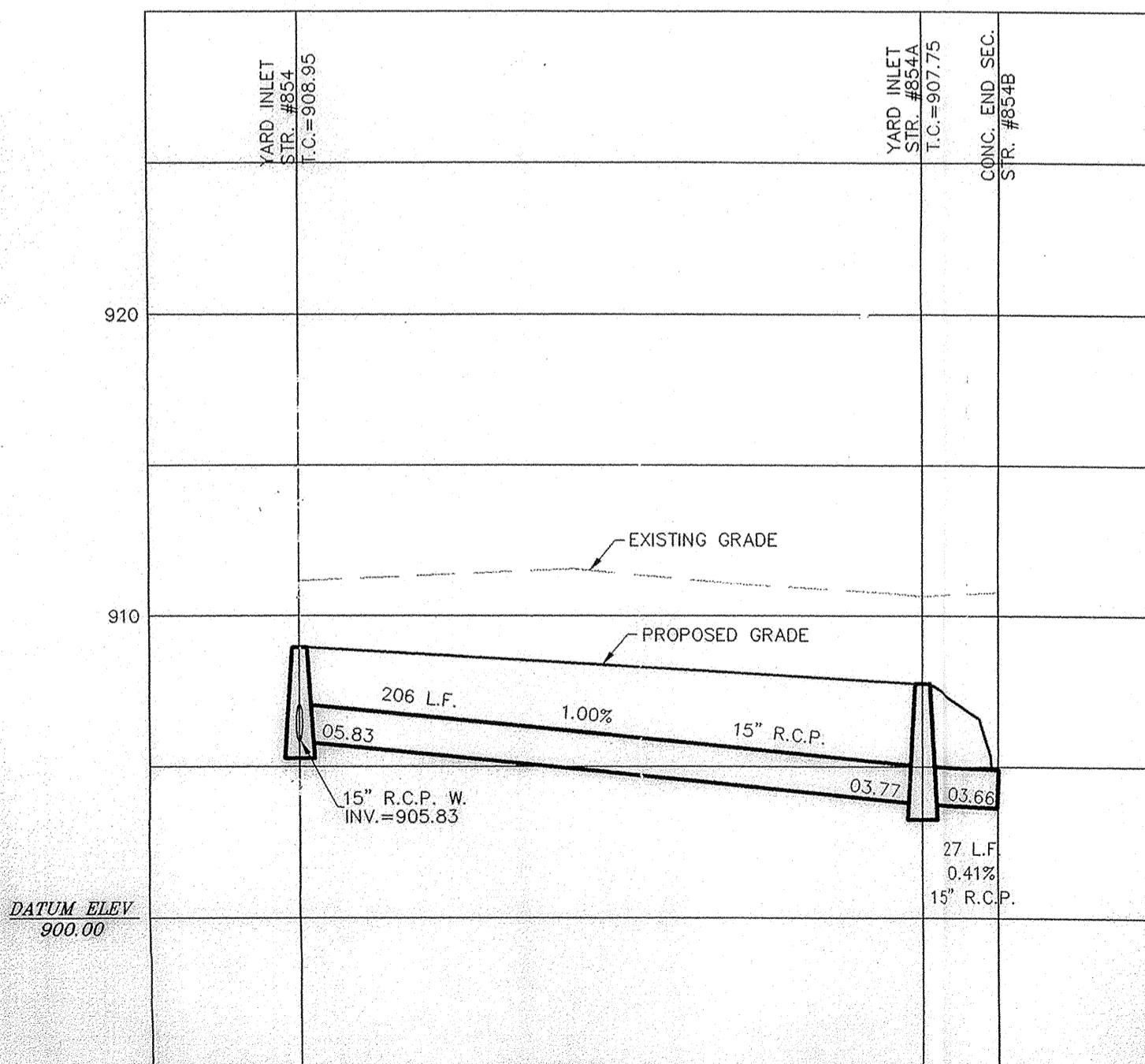
*Jeffery W. Darling*  
JEFFERY W. DARLING  
Registered Land Surveyor  
No. 900017

8/10/05  
DATE



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INDIANAPOLIS INDIANA

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



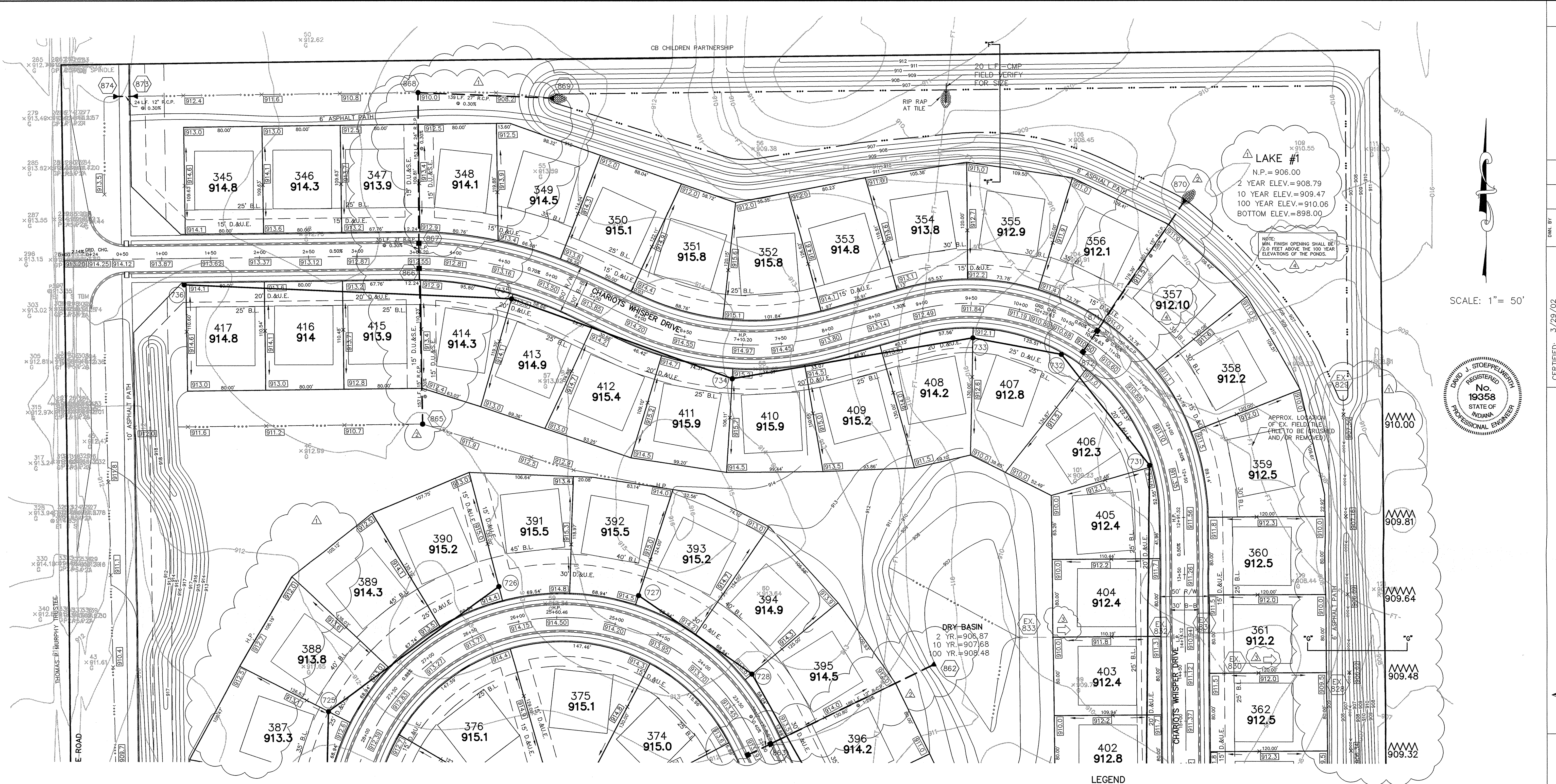
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.

Entry Date: 8-24-07  
Entered By: SLM

STORM SEWER PLAN & PROFILE  
SADDLE CREEK  
SECTION 12  
CARMEL INDIANA

SHEET NO. C900  
JOB NO. 42611

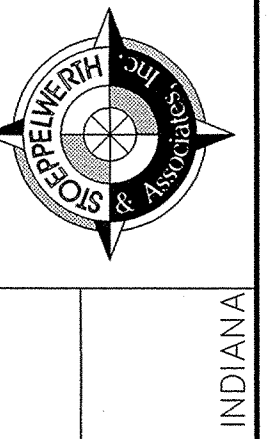




DATE	BY	REVISIONS
3/29/02	DAVID J. STOPPELWORTH	REV. GRADES & ADD STRIKE LINE INFO
9/25/02		ADD REVISION OF DDD SECTIONS, AND STRIKE INFO
7/2/02		ADDED FLOOD ROUTING
7/2/02		REV. PAD ELEVATIONS

CERTIFIED: 3/29/02  
 David J. Stoppelworth  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA

CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA



SITE DEVELOPMENT PLAN  
 SADDLE CREEK  
 SECTIONS 12  
 SHEET NO. 40 OF 40 SHEETS  
 JOB NO. 42611

SCALE: 1" = 50'



LAKE #1  
 N.P. = 906.00  
 2 YEAR ELEV. = 908.79  
 10 YEAR ELEV. = 909.47  
 100 YEAR ELEV. = 910.06  
 BOTTOM ELEV. = 898.00

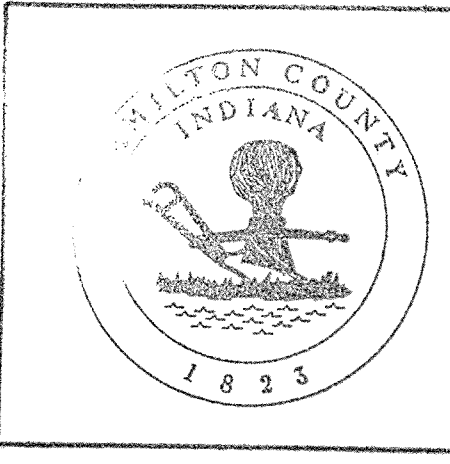
NOTE: MIN. FINISH OPENING SHALL BE 2/0 FEET ABOVE THE 100 YEAR ELEVATION OF THE POND.

APPROX. LOCATION OF EX. FIELD TILE FIELDS TO BE REMOVED AND/OR REMOVED

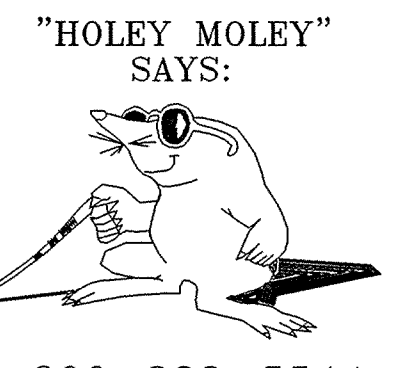
LEGEND

- 848 --- EXISTING CONTOUR
- 848 --- EXISTING SANITARY SEWER
- 848 --- EXISTING STORM SEWER
- 848 --- PROPOSED GRADE
- 848 --- PROPOSED CONTOUR
- 848 --- PROPOSED SANITARY SEWER
- 848 --- PROPOSED STORM SEWER
- 848 --- PROPOSED SWALE
- 848 --- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (UNLESS OTHERWISE NOTED)
- 35 LOT NUMBER
- 853.0 PAD ELEVATION
- ★ PAD SIZE 60'x60' (UNLESS OTHERWISE NOTED)
- EMERGENCY FLOOD ROUTE
- 4" S.S.D. TO LOT
- 6" S.S.D.
- 100 YEAR ELEVATION FLOOD ROUTING

THIS SHEET IS REFERENCE FOR EARTHWORK EXCAVATIONS ONLY.



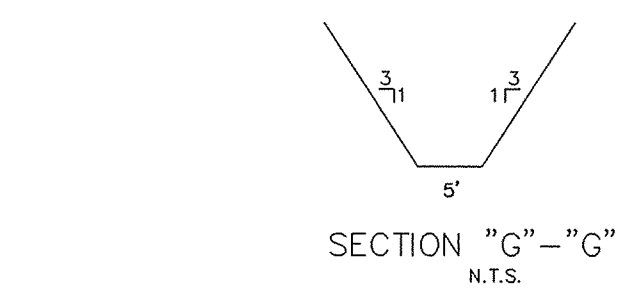
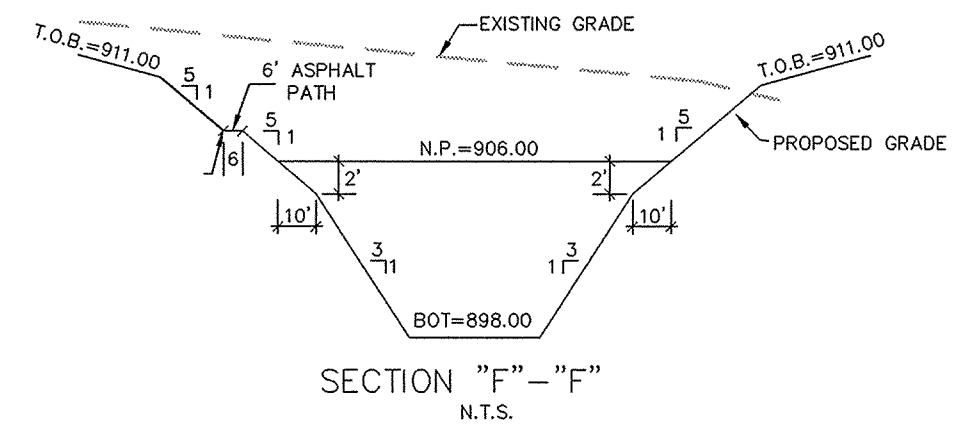
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 Entry Date: 10-28-04  
 Entered by: SLM



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, & 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 GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

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.

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

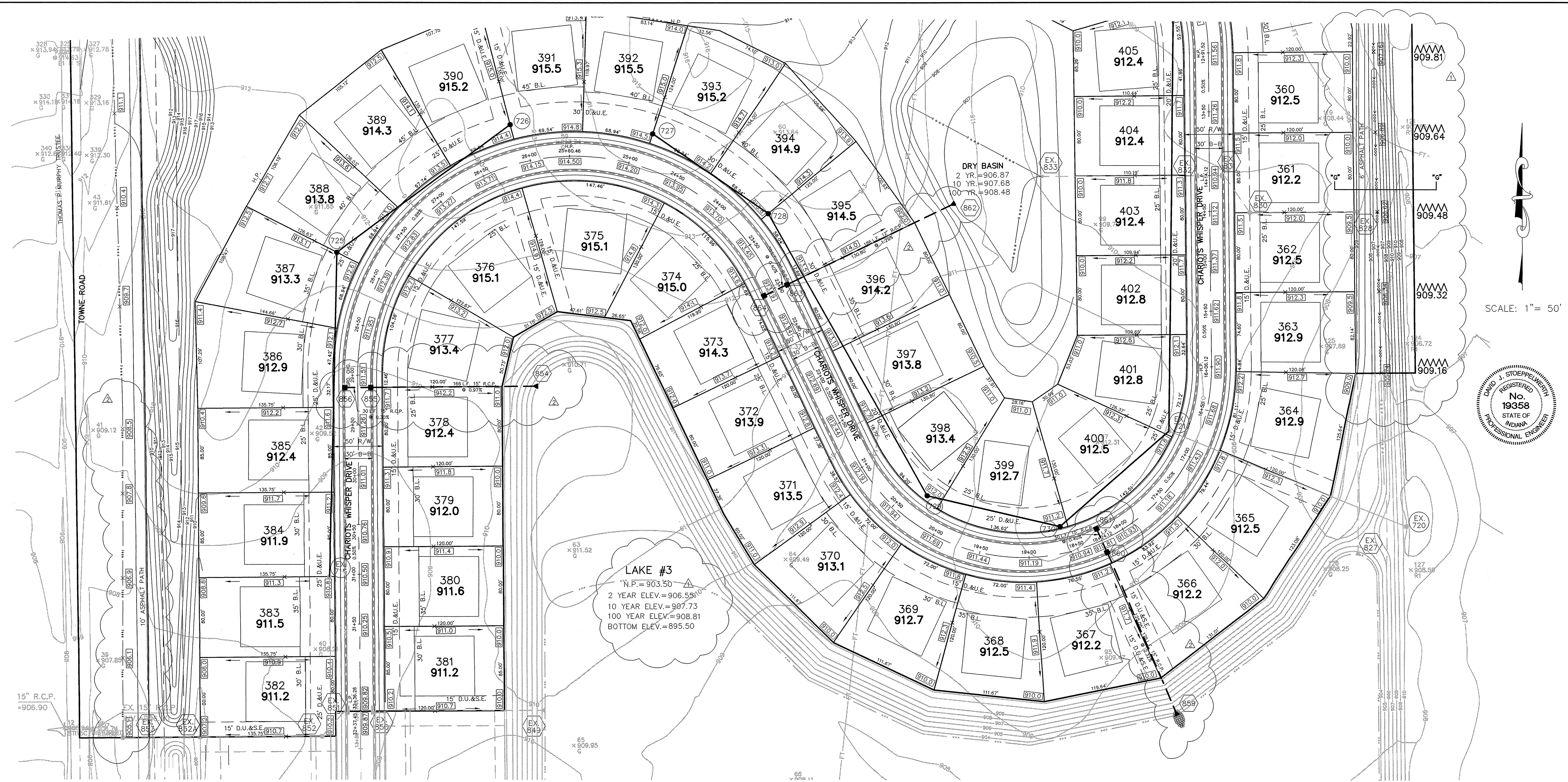


Sta. No.	Type	Inverts	Dir.
859	CONC. END SECTION	910.00	(NW)
860	CURB INLET	910.81	(NW/SE)
861	CURB INLET	910.81	(SE)
865	YARD INLET	911.40	(W)
866	CURB INLET	912.55	(N/SE)
867	CURB INLET	912.55	(N/SE)
868	YARD INLET	909.00	(S/E)
869	CONC. END SECTION	906.00	(W)
870	CONC. END SECTION	906.00	(CW)
871	CURB INLET	910.50	(SW/NE)
872	CURB INLET	910.50	(NE)

EARTHWORK:

- EXCAVATION
  - Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
  - Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
- REMOVAL OF TREES
  - All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
- PROTECTION OF TREES
  - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
  - In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
- REMOVAL OF TOPSOIL
  - All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
- UTILITIES
  - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
  - It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
- SITE GRADING
  - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
  - The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.10 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
  - The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM EARTHWORK



DATE	BY	REVISIONS
3/29/02	David J. Stappert	REV. GRADES & REMOVE DATA & LAKE INFO
4/2/02		REVISE STIM LENGTHS, CHG. GRADES, REMOVE STORM TWP

CERTIFIED: 3/29/02

CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA

**SITE DEVELOPMENT PLAN**  
**SADDLE CREEK**  
**SECTIONS 12**

INDIANA  
 CARMEL

SHEET NO. 9  
 OF 40 SHEETS  
 JOB NO. 42611

- EARTHWORK:**
- EXCAVATION**
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NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 10-28-04

Entered by: SLM

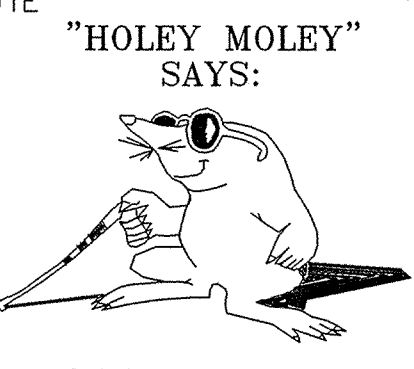
**STORM TABLE**

Str. No.	Type	To/Rm	Inverts	Dir.
859	CONC. END SECTION		903.00	(NW)
860	CURB INLET		910.81	907.08 (NW/SE)
861	CURB INLET		910.81	(SE)
865	YARD INLET		911.40	907.43 (N)
866	CURB INLET		912.55	906.96 (N/SE)
867	CURB INLET		912.55	906.87 (N/SE)
868	YARD INLET		909.00	906.41 (S/SE)
869	CONC. END SECTION		906.00	(W)
870	CONC. END SECTION		906.00	(SW)
871	CURB INLET		910.50	907.73 (SW/NE)
872	CURB INLET		910.50	907.85 (NE)

**LEGEND**

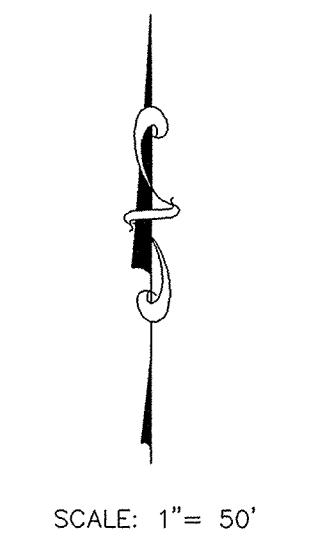
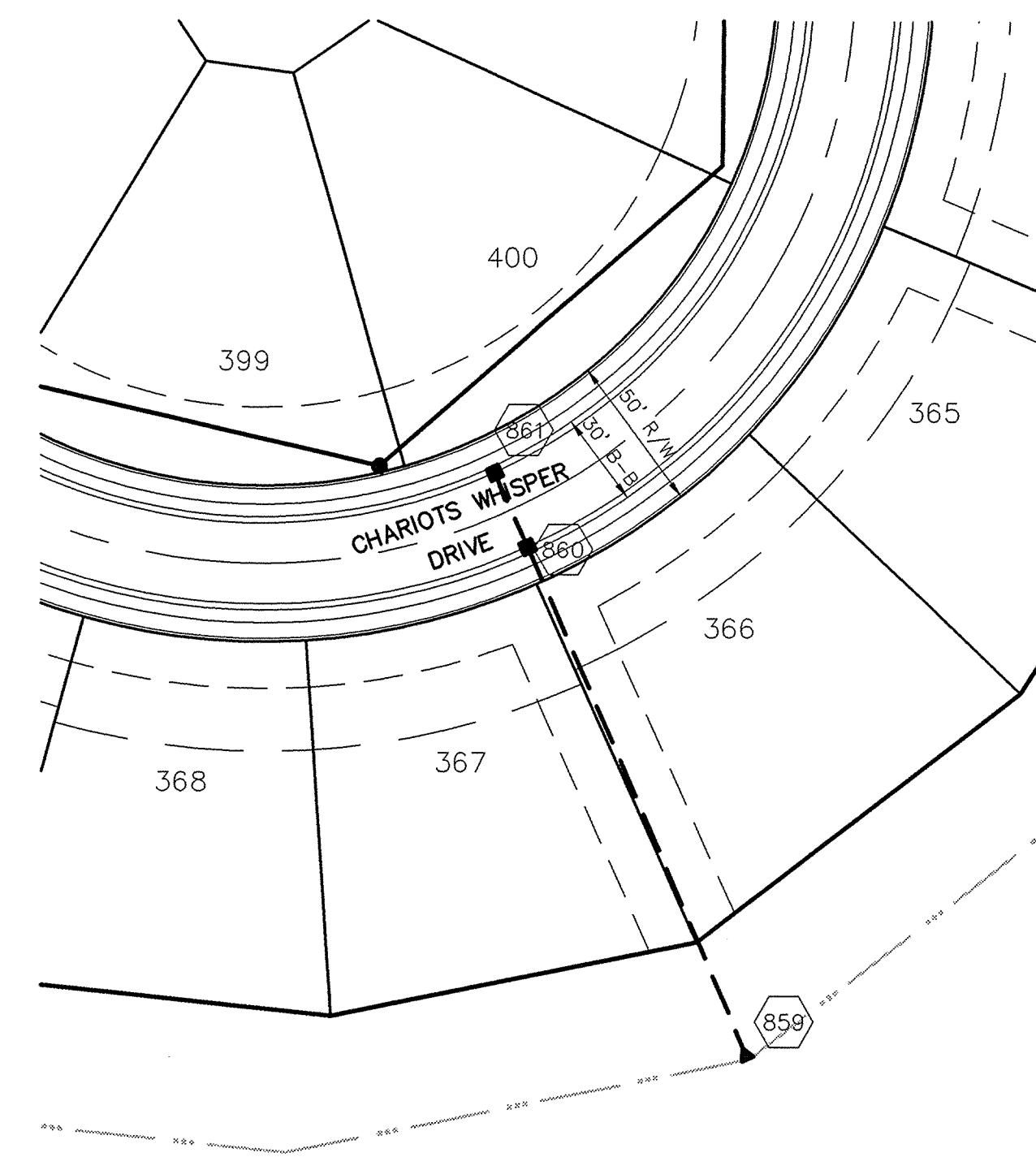
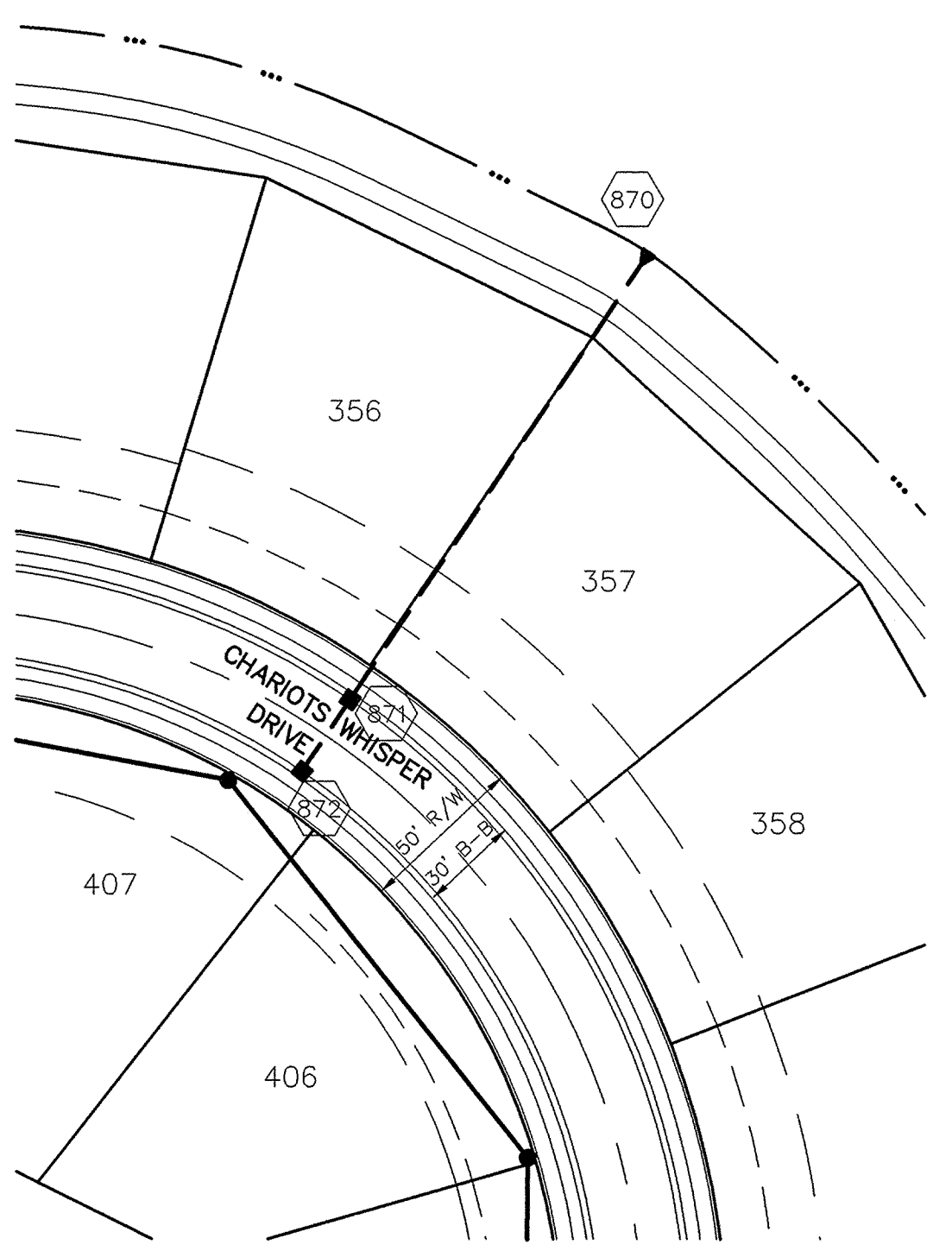
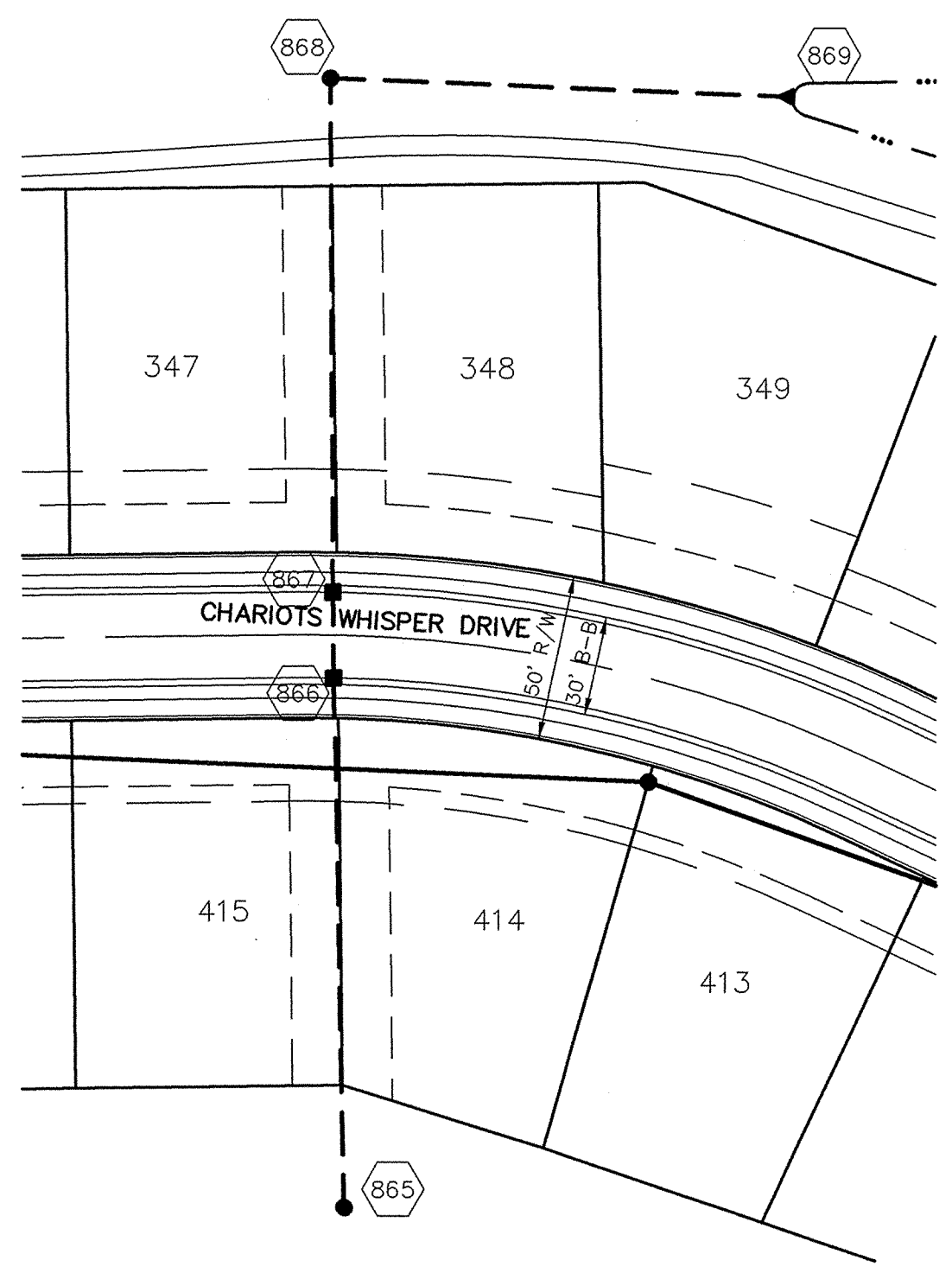
- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (UNLESS OTHERWISE NOTED)
- 35 LOT NUMBER
- 853.0 PAD ELEVATION
- ★ PAD SIZE 60'x60' (UNLESS OTHERWISE NOTED)
- EMERGENCY FLOOD ROUTE
- 4" S.S.D. TO LOT
- 6" S.S.D.
- 100 YEAR ELEVATION FLOOD ROUTING

THIS SHEET IS REFERENCE FOR EARTHWORK EXCAVATIONS ONLY.



**"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, & 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 GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.



**CURB INLET TABLE**

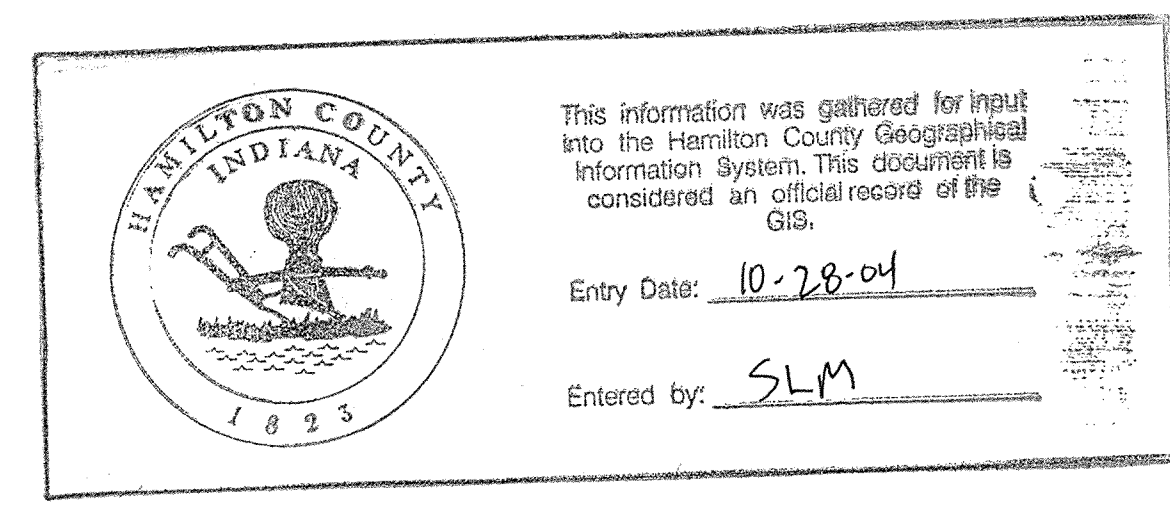
PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	2'x2'		DESIGN APPROVAL	No	Yes	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" or 27"	2'x3'*		DESIGN APPROVAL	No	No	Yes
24" or LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	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

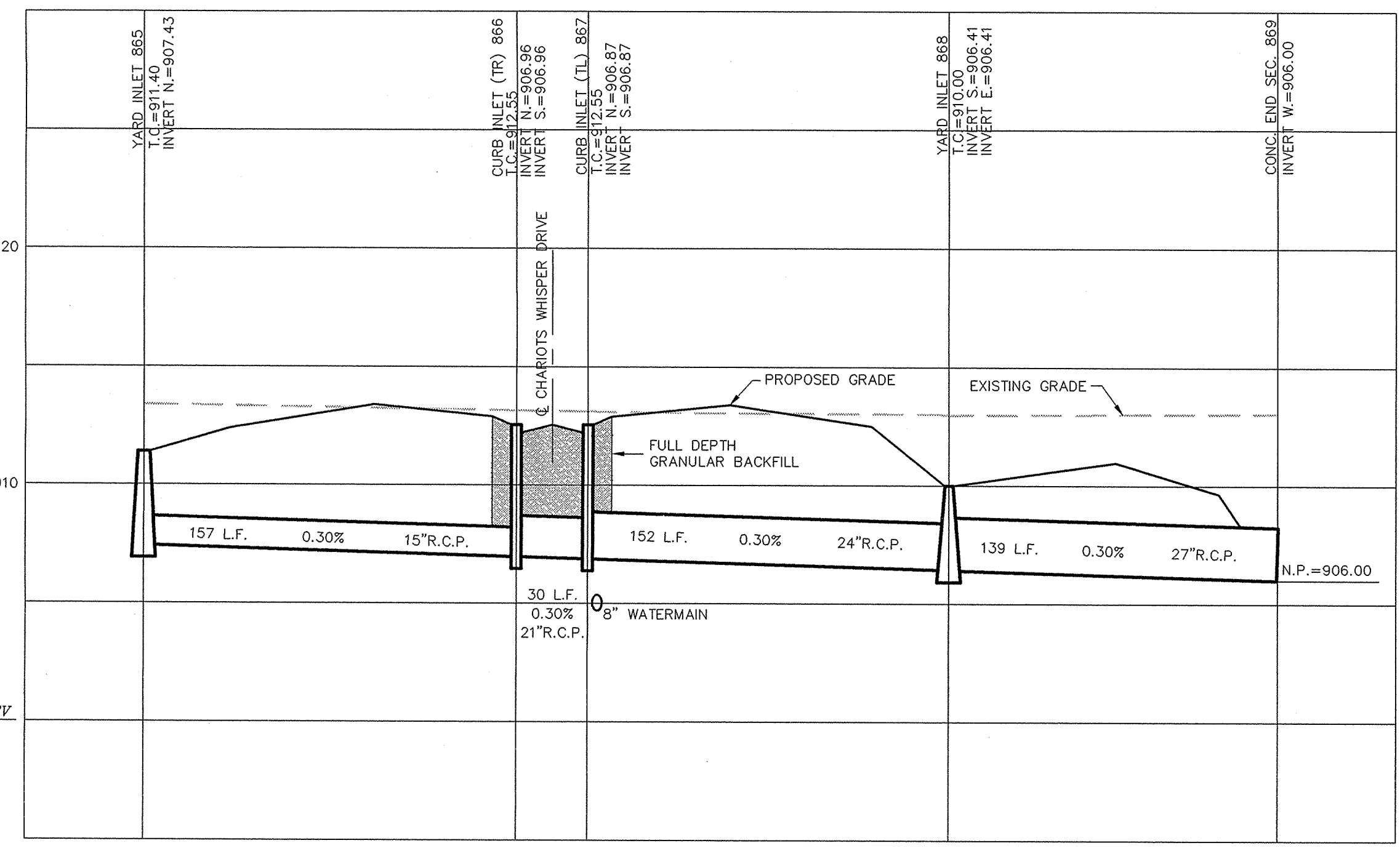
**SPECIAL NOTE:**  
 STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

**SPECIAL NOTE:**  
 STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

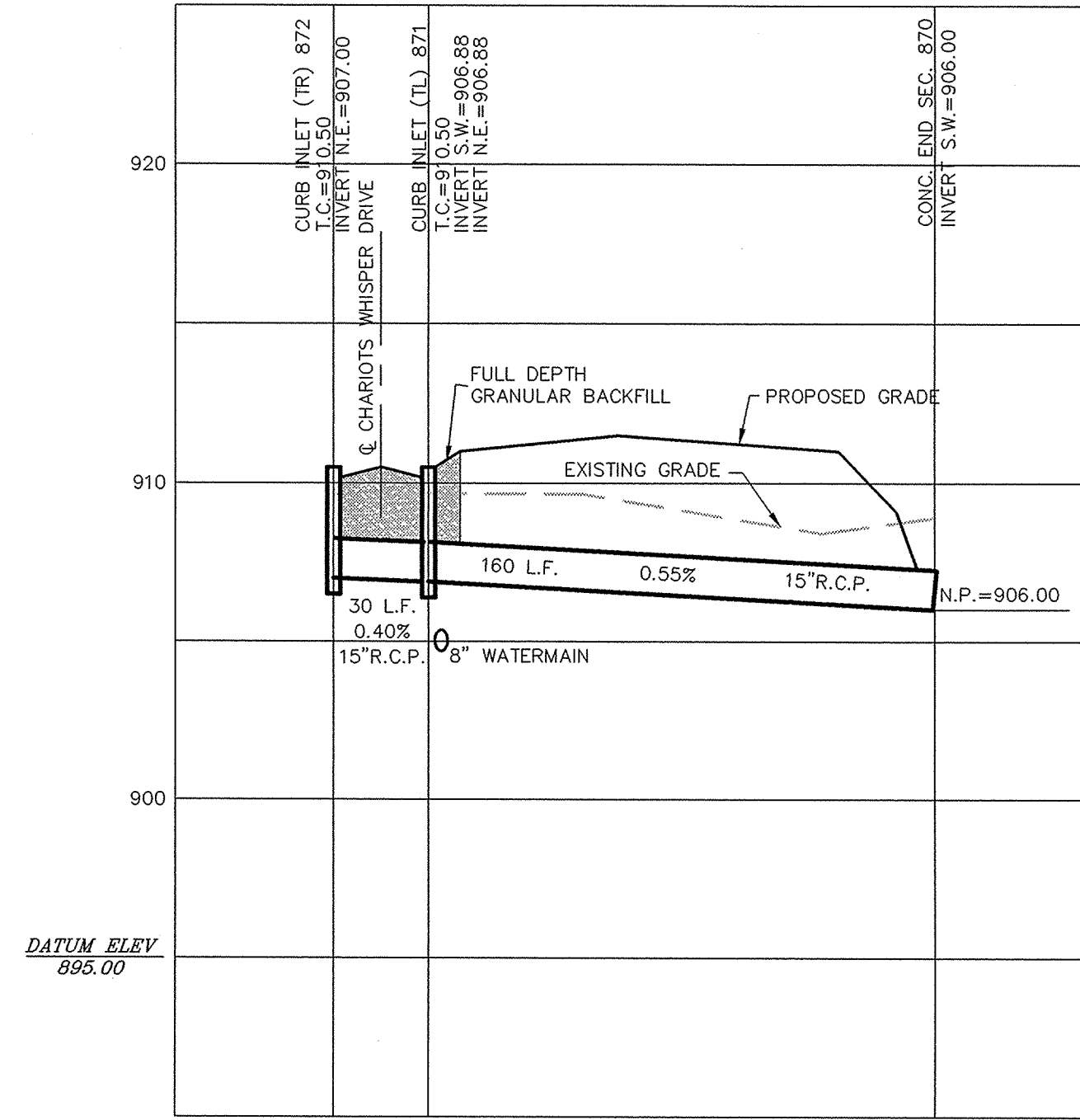
**SPECIAL NOTE:**  
 COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.



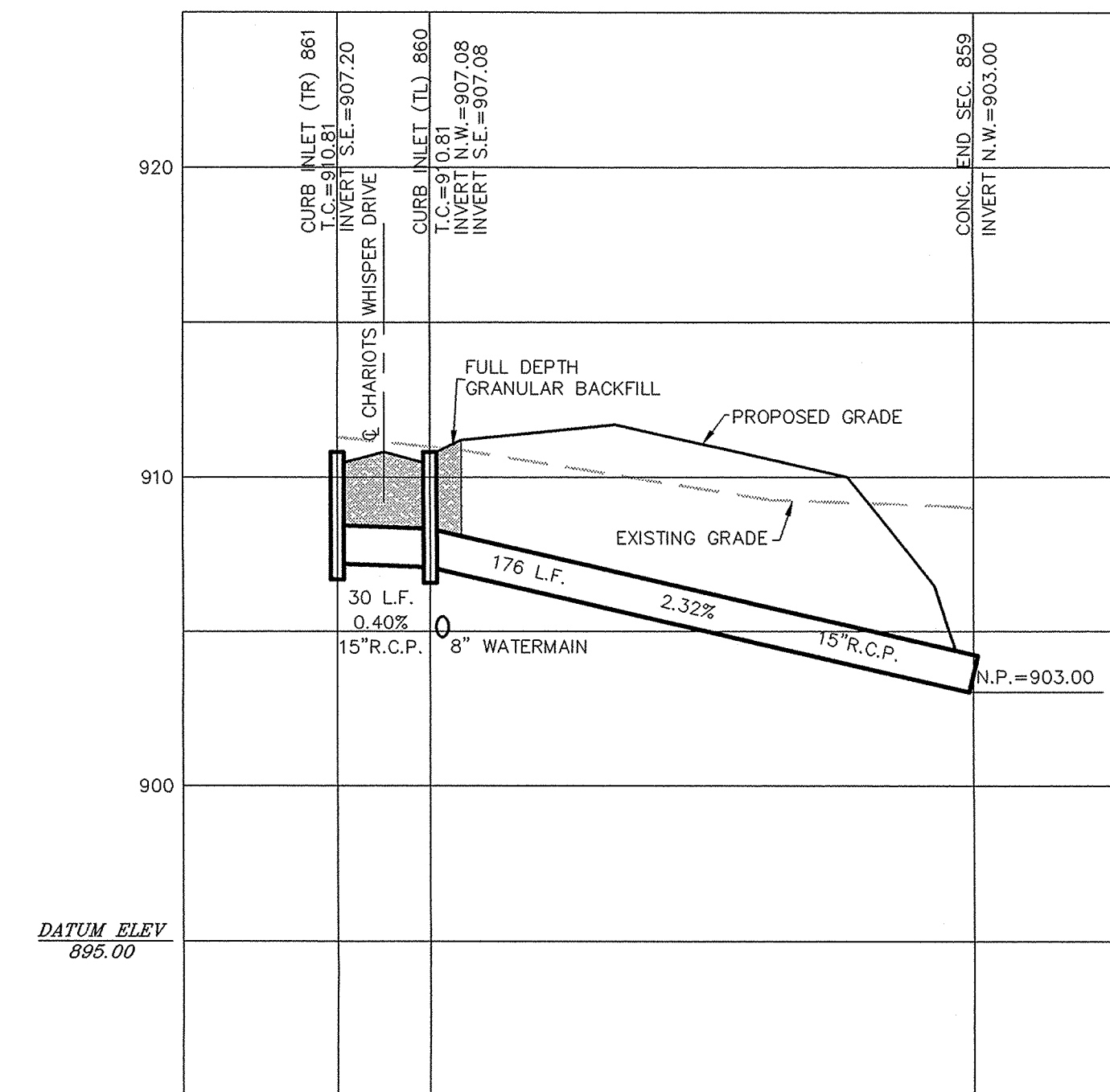
SCALE: 1"=50' HOR.  
 1"=5' VERT.



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

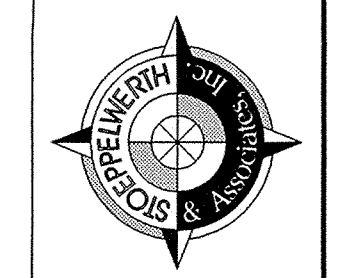


SCALE: 1"=50' HOR.  
 1"=5' VERT.



DATE	BY	REVISIONS
3/29/02	DAVID J. STOEPFELBERT	

CERTIFIED: 3/29/02  
 David J. Stoepfelbert  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA  
 CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5835 1-800-728-6917 FAX: (317) 849-5842  
 INDIANAPOLIS INDIANA



INDIANAPOLIS INDIANA  
**STORM SEWER PLAN & PROFILE**  
**SADDLE CREEK**  
**SECTIONS 12**  
 CARMEL INDIANA

FILED  
 DEC 23 2004  
 OFFICE OF HAMILTON COUNTY SURVEYOR  
 SHEET NO. 30A  
 OF 40 SHEETS  
 JOB NO. 42611