

**Drain:** OLIVER SHOEMAKER      **Drain #:** 42  
**Improvement/Arm:** CUMBERLAND PLACE SEC 1. RELOCATION  
**Operator:** J. L. WINGSTEN      **Date:** 6-15-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1998

### GIS Drain Input Checklist

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

**Gasb 34 Footages for Historical Cost  
Drain Length Log**

Drain-Improvement: OLIVER STEEMAKER - CUMBERLAND PLACE SEC. 1 RELOCATION

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	36"	761'	761'			
OPEN DITCH	-	890'	890'			

Sum: 1651' 1651' \$129,588.00

Final Report: 1651'

Comments:

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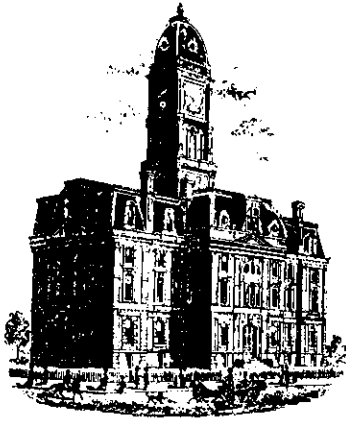
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SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 146*

*One Hamilton County Square*

*Noblesville, Indiana 46060-2230*

*June 4, 1999*

TO: Hamilton County Drainage Board

RE: Oliver Shoemaker Drain

Attached is a petition and plans for the proposed relocation of the Oliver Shoemaker Drain. The relocation is being proposed by Stafford Development for Cumberland Place, Section 1. The proposal is to reconstruct the drain from STA 21+00, which is the location the reconstruction for Woodberry Section 1 ended (see report dated January 8, 1999), to STA 32+00 which is located 250 feet West of the East section line of Section 19-T18N-R5E, which is also the centerline of Cumberland Road.

This line will consist of the following:

Open ditch – 890 feet      33" RCP – 335 feet      36" RCP – 432 feet

The open ditch listed above is the detention area South of Lots 30 - 55 in Cumberland Place, Section 1. This is between STR 19 and STR 4 as shown on the development plan.

The total length of new tile shall be 1,657 feet. The 1,100 feet of original drain between STA 21+00 and STA 32+00 shall be vacated. This proposal will add an additional 557 feet to the drains total length.

The cost of the relocation is to be paid by Stafford Development. Because the project is to be paid by the petitioner and is within the boundaries of the petitioners property, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a hearing is not required for the petition.

The petitioner has provided the Performance Bond as follows:

Name of Bonding Co.: Frontier Insurance Company

Bond #: 128826

Bond Date: September 30, 1998

Bond Amount: \$129,588.00

Bond Term (1 year max): Unspecified

I recommend approval by the Board at this time.

Sincerely,

Kenton C. Ward  
Hamilton County Surveyor

KCW/llm



SURVEYOR'S OFFICE

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*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

October 9, 2000

Re: Oliver Shoemaker Drain: Cumberland Place  
Sec.1 Relocation

Attached are as-builts, certificate of completion & compliance, and other information for Cumberland Place Sec. 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 June 4, 1999. The changes are as follows:

**Structure:            T.C.:    I.E.:    Pipe:    Length: Original Plans: Difference:**

1	817.96	812.56				
2	819.8	812.86	36	304		
2	819.8	812.86				
3	818.55	812.88	36	50		
3	818.55	812.88				
4		812.9	36	72		
19		813.97				
20	820.81	814.28	36	38	33"	
20	820.81	814.28				
21	822.4	814.85	36	83	33"-78	5
21	822.4	814.85				
22	822.4	815.2	36	81	33"-86	-5
22	822.4	815.2				
23	821.72	815.68	36	133	33"	

**RCP Pipe Totals:**

36	761
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**Other Drain:**

Open Ditch	890
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The 33" RCP was upsized in the field to 36".

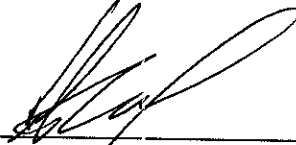
The length of the drain relocated due to the changes described above is now **1651 feet**. There was 1100 feet of the original Oliver Shoemaker drain vacated. Therefore, there was a net gain of drain totaling **551 feet**.

The non-enforcement was approved by the Board at its meeting on June 28, 1999 and recorded under instrument #9909938793.

The bond or letter of credits from Frontier Insurance Company number 128826; dated September 30, 1998; in the amount of \$129,588.00; was released October 9, 2000.

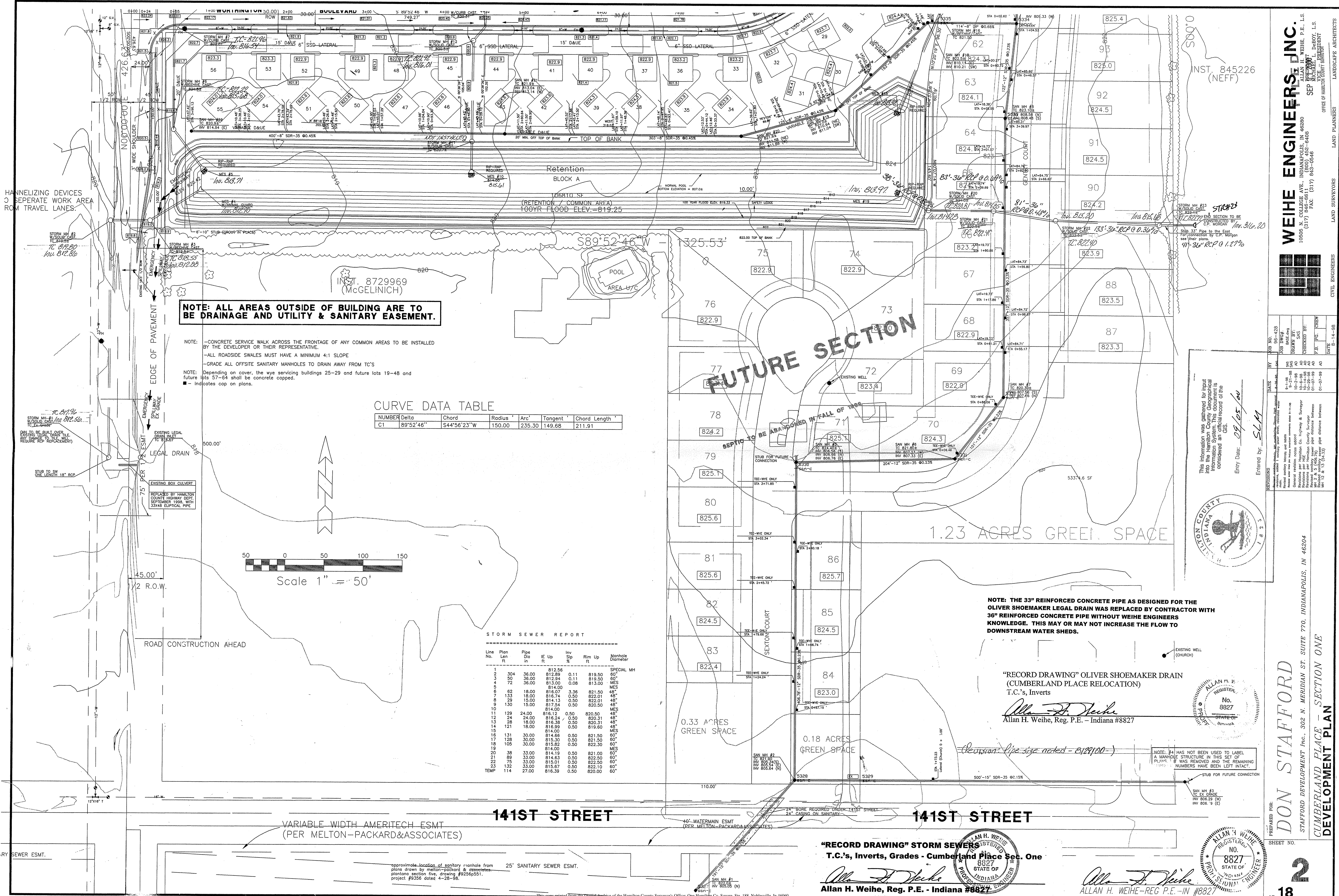
I recommend the Board approve the drains construction as complete and acceptable.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Ward', written over a horizontal line.

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

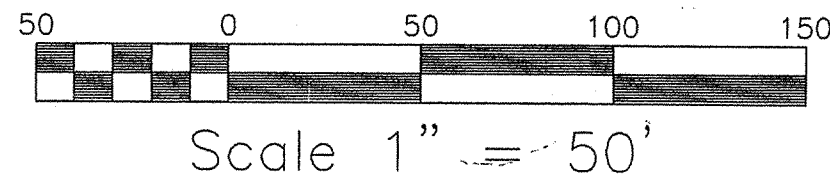


**NOTE: ALL AREAS OUTSIDE OF BUILDING ARE TO BE DRAINAGE AND UTILITY & SANITARY EASEMENT.**

NOTE: -CONCRETE SERVICE WALK ACROSS THE FRONTAGE OF ANY COMMON AREAS TO BE INSTALLED BY THE DEVELOPER OR THEIR REPRESENTATIVE.  
 -ALL ROADSIDE SWALES MUST HAVE A MINIMUM 4:1 SLOPE  
 -GRADE ALL OFFSITE SANITARY MANHOLES TO DRAIN AWAY FROM TC'S  
 NOTE: Depending on cover, the wye servicing buildings 25-29 and future lots 19-48 and future lots 57-64 shall be concrete copped.  
 ■ - Indicates cop on plans.

**CURVE DATA TABLE**

NUMBER	Delta	Chord	Radius	Arc	Tangent	Chord Length
C1	89°52'46"	S44°56'23"W	150.00	235.30	149.68	211.91



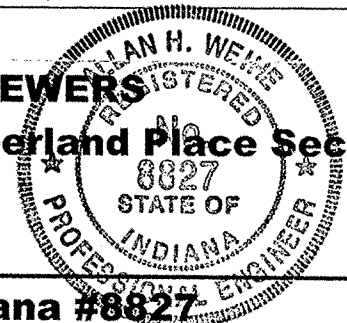
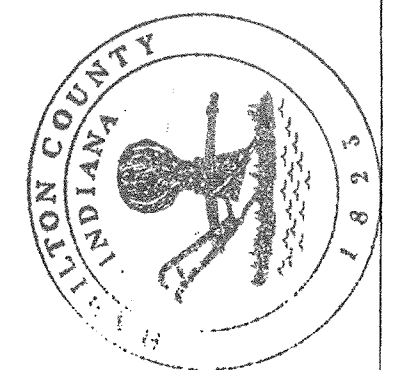
**STORM SEWER REPORT**

Line No.	Plan Len ft	Pipe Dia in	IE Up ft	Inv Slip	Rim Up ft	Manhole Diameter
2	304	36.00	812.89	0.11	819.50	SPECIAL MH
3	50	36.00	812.94	0.11	819.50	60"
4	72	36.00	813.00	0.08	813.00	MES
5	8	36.00	814.00			MES
6	62	18.00	816.07	3.36	821.50	48"
7	133	18.00	816.74	0.50	822.01	48"
8	29	15.00	814.13	0.50	822.01	48"
9	150	15.00	817.54	0.50	820.50	48"
10	129	24.00	814.00			MES
11	24	24.00	816.12	0.50	820.50	48"
12	24	24.00	816.24	0.50	820.31	48"
13	28	18.00	816.38	0.50	820.31	48"
14	121	18.00	816.99	0.50	819.60	48"
15	10	30.00	814.00			MES
16	131	30.00	814.88	0.50	821.50	60"
17	128	30.00	815.30	0.50	821.50	60"
18	105	30.00	815.82	0.50	822.30	60"
19	10	30.00	814.00			MES
20	38	33.00	814.19	0.50	821.00	60"
21	89	33.00	814.83	0.50	822.50	60"
22	75	33.00	815.01	0.50	822.50	60"
23	132	33.00	815.67	0.50	822.10	60"
TEMP	114	27.00	816.39	0.50	820.00	60"

**NOTE: THE 33" REINFORCED CONCRETE PIPE AS DESIGNED FOR THE OLIVER SHOEMAKER LEGAL DRAIN WAS REPLACED BY CONTRACTOR WITH 36" REINFORCED CONCRETE PIPE WITHOUT WEIHE ENGINEERS KNOWLEDGE. THIS MAY OR MAY NOT INCREASE THE FLOW TO DOWNSTREAM WATER SHEDS.**

**"RECORD DRAWING" OLIVER SHOEMAKER DRAIN (CUMBERLAND PLACE RELOCATION) T.C.'s, Inverts**

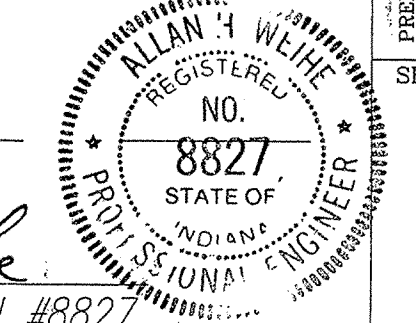
*Allan H. Weihe*  
 Allan H. Weihe, Reg. P.E. - Indiana #8827



**"RECORD DRAWING" STORM SEWERS T.C.'s, Inverts, Grades - Cumberland Place Sec. One**

*Allan H. Weihe*  
 Allan H. Weihe, Reg. P.E. - Indiana #8827

*Allan H. Weihe*  
 ALLAN H. WEIHE - REG. P.E. - IN #8827



**WEIHE ENGINEERS, INC.**  
 10605 N. COLLEGE AVE., INDIANAPOLIS, IN 46280  
 (317) 946-6600 FAX: (317) 843-0646

CIVIL ENGINEERS  
 LAND SURVEYORS  
 LAND PLANNERS  
 LANDSCAPE ARCHITECTS

NO.	DATE	BY	REVISIONS
1	09/15/00	SLM	Initial Design
2	10/20/00	SLM	Final Design
3	11/15/00	SLM	As-Built

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

Entry Date: 09/15/00  
 Entered by: SLM

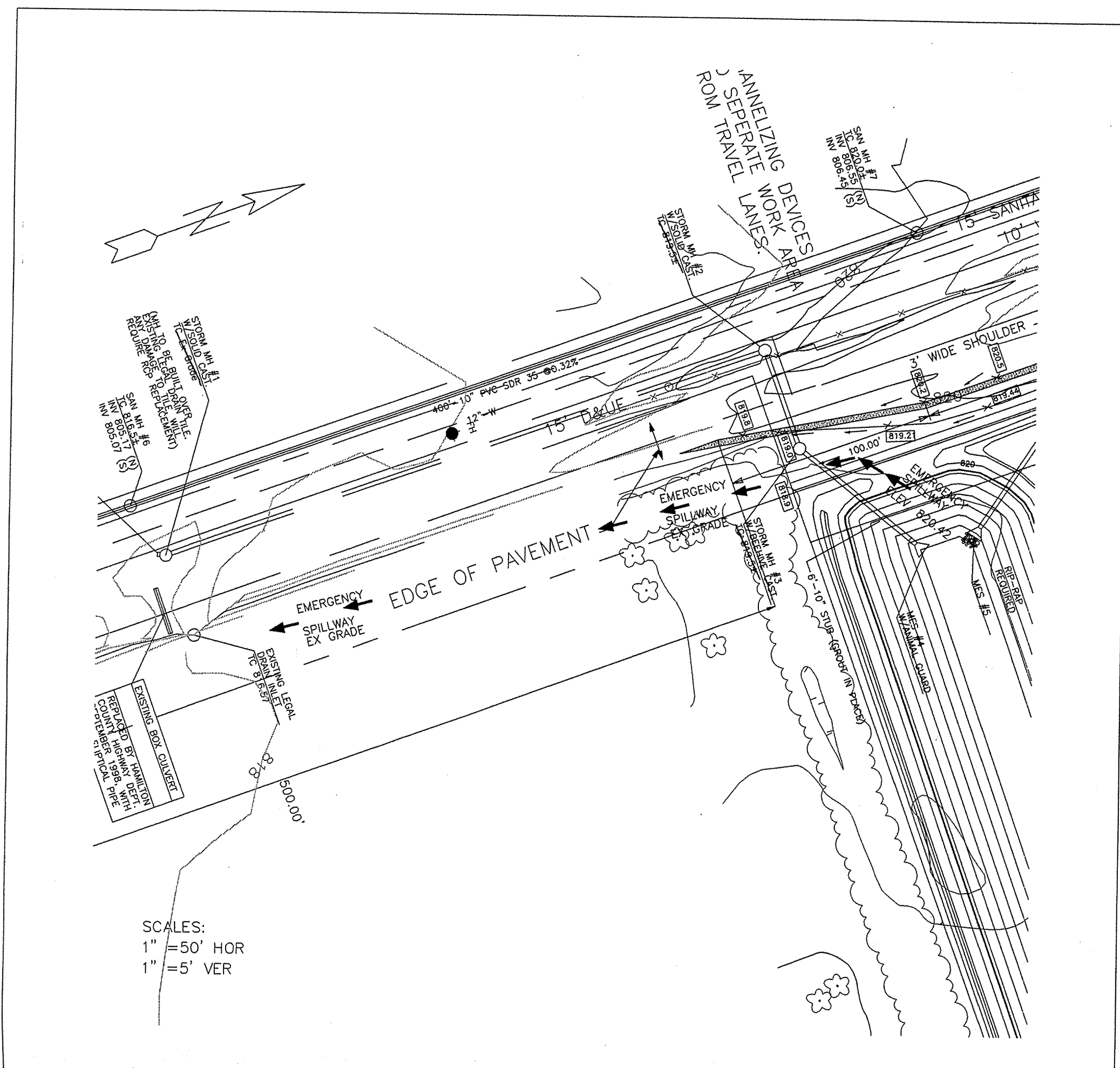
**DON STAFFORD**  
 STAFFORD DEVELOPMENT Inc., 302 N. MERIDIAN ST., SUITE 770, INDIANAPOLIS, IN 46204

**CUMBERLAND PLACE - SECTION ONE DEVELOPMENT PLAN**

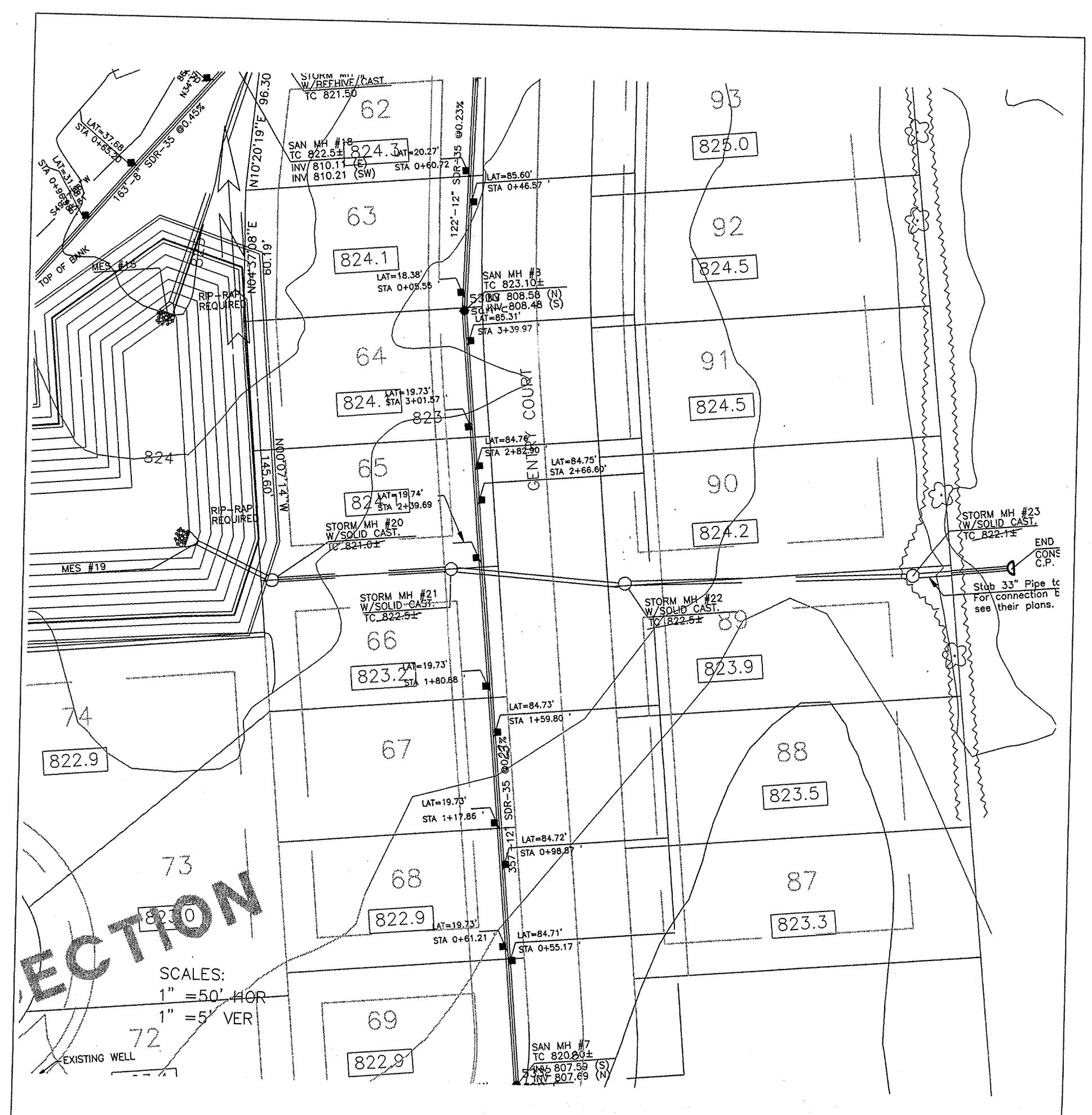
PREPARED FOR: SHEET NO. 2

GRADE ALL OFFSITE SANITARY MANHOLES TO DRAIN AWAY FROM T.C.'S

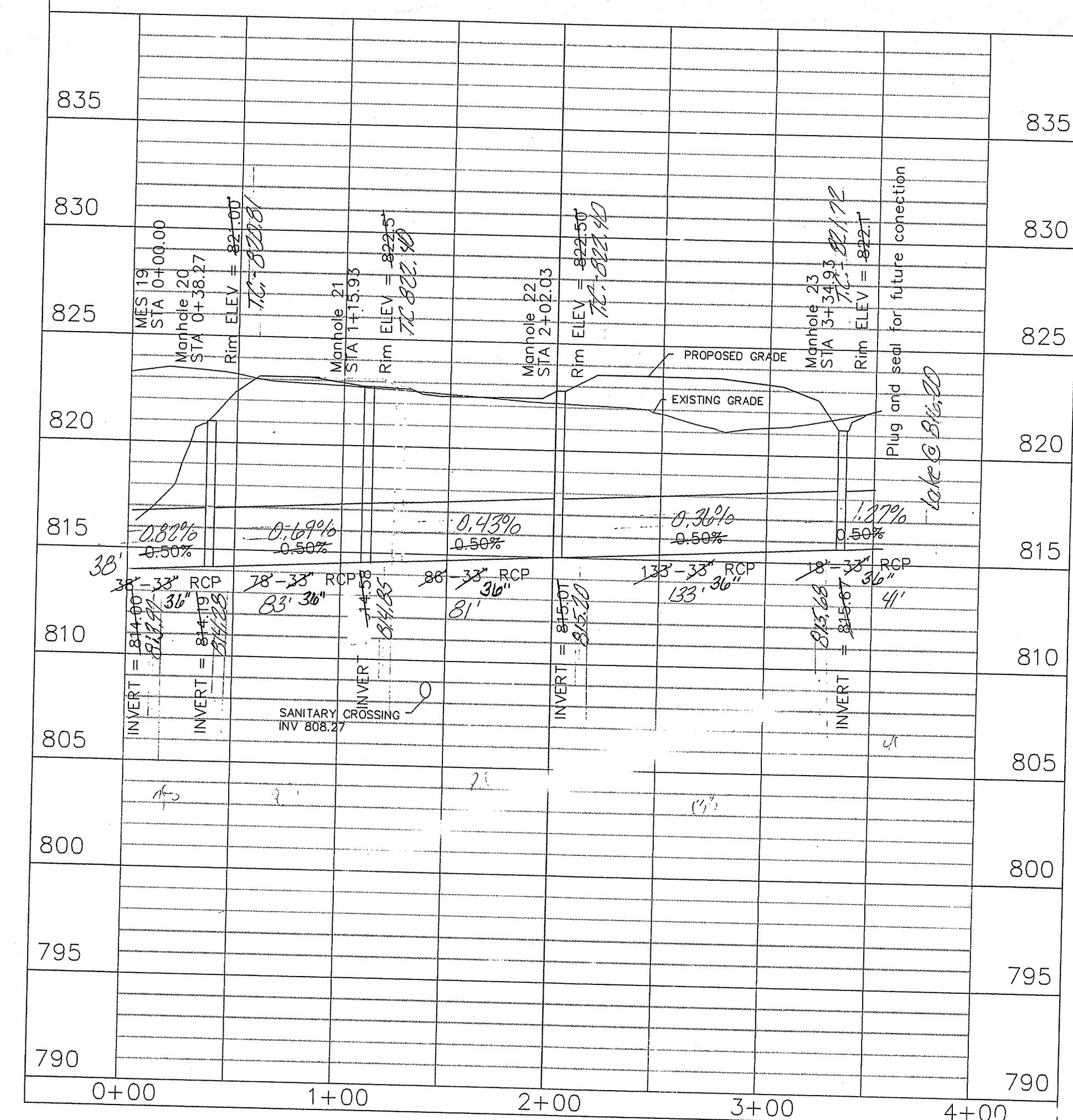
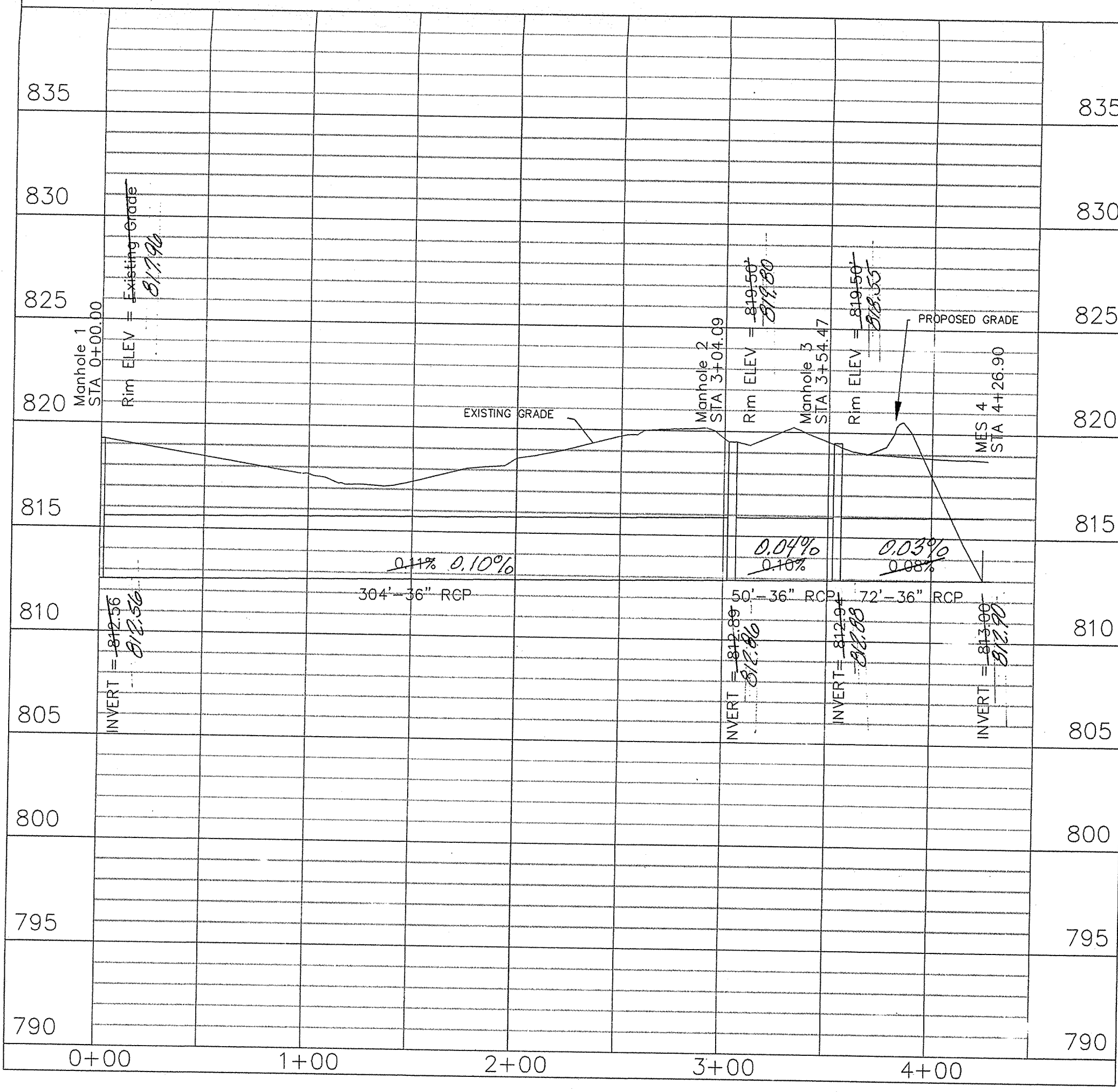
■ - INDICATES CAP ON PLANS



SCALES:  
1" = 50' HOR  
1" = 5' VER



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1" = 50' HOR  
1" = 5' VER

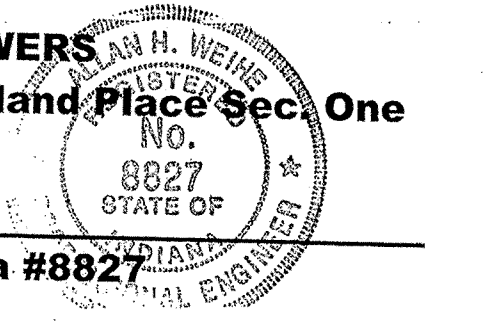
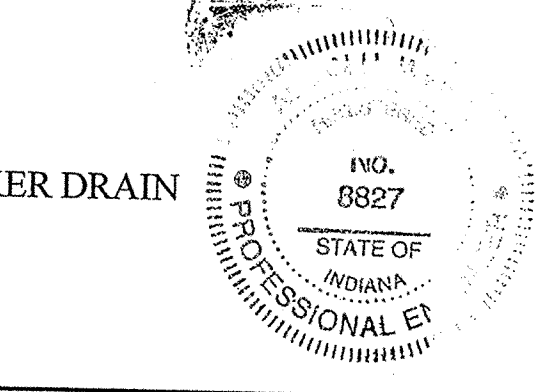


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"RECORD DRAWING" OLIVER SHOEMAKER DRAIN (CUMBERLAND PLACE RELOCATION) T.C.'s, Inverts, grades  
 Allan H. Weihe, Reg. P.E. - Indiana #8827

(Revised: 33" changed to 36" - 8/29/00)

"RECORD DRAWING" STORM SEWERS T.C.'s, Inverts, Grades - Cumberland Place Sec. One  
 Allan H. Weihe, Reg. P.E. - Indiana #8827



**WEIHE ENGINEERS, INC.**  
 10605 COLLEGE AVE., INDIANAPOLIS, IN 46240  
 (317) 551-6400  
 (317) 843-0546  
 SEP 01 2000  
 ALLAN H. WEIHE, P.E., I.S.  
 PRESIDENT  
 MICHAEL D. DADY, I.S.  
 VICE-PRESIDENT  
 LAND SURVEYORS  
 CIVIL ENGINEERS  
 LANDSCAPE ARCHITECTS

BY	DATE
DESIGNED BY	8-29-00
CHECKED BY	8-30-00
DATE	8-14-00

REVISIONS:  
 Revised existing invert elevations, manhole numbers, storm sewer inverts, proposed sanitary manhole and main.

PREPARED FOR:  
**DON STAFFORD**  
 STAFFORD DEVELOPMENT INC., 302 N. ME. DIAN ST. SUITE 770, INDIANAPOLIS, IN 46204  
**CUMBERLAND PLACE SECTION ONE**  
**STORM PLAN & PROFILE**

Allan H. Weihe  
 ALLAN H. WEIHE - REG. P.E. - IN #8827