Drain: RUSSELL SHUGGART ARAIN	Drain #:20
Improvement/Arm: HAZELOKUL W	1005 - SECTION 1
Operator: <i>JOH</i>	Date: 6-17-04
Drain Classification: Urban/Rural	Year Installed: 2000

GIS Drain Input Checklist

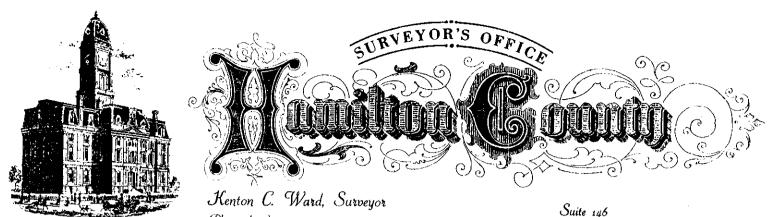
- Pull Source Documents for Scanning
- Digitize & Attribute Tile Drains
- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed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

NLA <u>IN</u> A10 NA 912

Gasb 34 Footages for Historical Cost Drain Length Log

		ength		· · · · · · · · · · · · · · · · · · ·	Barrie In Aver	(Gerbin)
Drain Type:	Size:	Longth SURJANNO PROVER	Length (DB Query)	Length Reconcile	Price:	
550	64	10,454.14		Ø		Cost:
RCP	12" 15"	1,286'	1,286'	Ø		
		1038'	1038'	ø		
	184	1,010'	1010'	òr		
·	214	69'	69'	Ø		
	244	965'	965'	ø		
	30"	202'	202'	8		
			·			
, 						
	Sum:	15,044,14	15044.14	ø	-	
inal Report:		-				
omments:						
 						
			· · · · · · · · · · · · · · · · · · ·			
		· · ·				
······································						·

Drain-Improvement: RUSSELL SHUGGART ORAIN - HALELDELL WOODS-SECTION 1



Nenton C. Ward, Surveyo Phone (317) 776-8495 Fax (317) 776-9628

One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

June 20, 2000

Re: Hazel Dell Woods Section 1 Arm, Russell Shugart Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Russell Shugart Drain, Hazel Dell Woods Section 1 Arm. 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	12,163	Ft	15″	RCP	1,075	Ft	24″	RCP	965	Ft
12″	RCP	1,286	Ft	18″	RCP	981	Ft	36"	RCP	144	Ft
12″	CMP	20	Ft	21″	RCP	69	Ft			_	

The total length of the drain will be 16,703 feet.

The retention ponds (lakes) A, B, C, D and E in Section 1 located in Common Areas B, C and E are not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) 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:

Rear of Lots 64-66, 67-69, Str. 762 (North), Str. 762 (South), 1-7, 12-15, 16-23, 25-27, 28-33, 50-58, 48-49, 47, 42-26, 59-61, 61-63 and 36-41.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally per the assessment schedule established for the Russell Shugart Drain. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$65.00 per lot, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$5,004.60.

Parcels assessed to this drain may be assessed for the Emily Vestal Drain at sometime in the future. This arm shall be assessed as part of the Russell Shugart Drain and not as a separate drain.

The offsite drainage for this development was done under the Russell Shugart Drain reconstruction. See my report dated June 12, 2000.

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. This request is for the reduction of the regulated drain easement to those widths as shown on the secondary plat for Hazel Dell Woods Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for July 24, 2000.

Kenton C. Ward Hamilton County Surveyor

KCW/kkw

***** • •



C. Wara, Survey Phone (317) 776-8495 Fax (317) 776-9628 Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

May 17, 2004

Re: Russell Shuggart Drain: Hazedell Woods Sec. 1

Attached are as-builts, certificate of completion & compliance, and other information for Hazeldell Woods 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 20, 2000. The report was approved by the Board at the hearing held July 24, 2000. (See Drainage Board Minutes Book 5, Pages 406-407) The changes are as follows:

Structure:		T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
	701		814.27				
	702	819.62	814.16	15	46	L	
	702	819.62	814.16				
	703	823.09	817.44	12	334		
	703	823.09	817.44				
	704		818.04	12	37		
	702	819.62	814.16				
	706	816.23	814.35	12	39		
	753		817.98				
	754	820.38	818.22	18	110	118	
	707		817.98				
	708	822.46	818.63	15	160		
· · · · · · · · · · · · · · · · · · ·	708	822.46	818.63				
	709	822.54	818.84	12	30		
	710		818				
	711	824.2	818.61	18	130		
	711	824.2	818.61				
	712	823.52	818.68	18	24		
	712	823.52	818.68				
	713	823.55	818.82	15	30		
	713	823.55	818.62				
	714		819.89	12	219		
	715		818.14				

	716	825	819.02	18	160		1
	716	825	819.02	10	100		
	710			15			
		824.97	819.15	15	30	<u></u>	· · · · ·
	717	824.97	819.15	40	404		
	718	822.09	819.99	12	131	· · · · · · · · · · · · · · · · · · ·	
	719		818.02			, , , , , , , , , , , , , , , , , , ,	
	720	824.56	818.18	18	41		
	720	824.56	818.18				
	721	827.59	818.69	18	154		
	721	827.59	818.69				· · · · · ·
	722	827.74	818.84	15			
	722	827.74	818.84				
· · ·	723		819.89	15	251		
	724		820.04			<u> </u>	
	725	824.76	820.31	24	29		· · · · · · · · · · · · · · · · · · ·
- <u>.</u> .	725	824.76	820.31				
	726	831.76	821.57	24	130		
	726	831.76	821.57				L
	727	831.35	822.32	24	73		
· · · · · · · · · · · · · · · · · · ·	727	831.35	822.32			<u></u>	
	728		825.96	24	369		
	729		816.05				
	730	821.47	816.67	24	108		
	730	821.47	816.67				
	731	823.04	816.88	24	72		
	731	823.04	816.88				
	732	822.17	817.26	24	86		
	732	822.17	817.26				
	733	821.49	817.45	24	20		
	733	821.49	817.45				
	734	821.72	817.77	24	59		
	734	821.72	817.77				
734A		822.19	818.09	24	19		
	734	821.72	817.77				
734B		821.44	818.14	15	33		1
700 4		004.05	040.05				
762A		824.35	813.95		407	Niek Den ente d	407
	764	820.16	815.76	30	187	Not Reported	187
	764	820.16	815.76				
	765		815.96	30	15	Reported as 36"	144
	735		816.02				
	736	821.08	816.23	18	37	Reported as 15"	
	736	821.08	816.23				
	737	821.66	817.14	12	95		<u> </u>
	737	821.66	817.14			,,, _,	
	738		818.01	12	219		·
	736	821.08	816.23				

739	821.64	816.81	18	145			.
739	821.64	816.81					
740	821.71	817.32	15	30			
740	821.71	817.32					
741	822.23	817.57	15	33			
741	822.23	817.57					
742	820.18	818.19	15	126			
743		818.37					
744	823.12	818.83	21	69			
744	823.12	818.83					
745	824.95	820.55	18	209			
745	824.95	820.55					
746	825.2	821.65	15	41			
746	825.2	821.65					
747	832.42	822.88	15	131			
747	832.42	822.88					
748	827.96	824.89	12	95			
745	824.95	820.55					
749	824.71	820.59	15	45			
749	824.71	820.59					
750	825.22	821.22	15	52			
744	823.12	818.83					
752	822.83	819.37	12	43			
744	823.12	818.83					
751	822.76	819.24	12	44			
6" SSD Streets:					6" SSD	Lots:	
Flinchum Way	2144				64-69		430
Bruce Blvd	1364.68				1-7		415
Linda Way	89.39				16-23		660
x2					25-33		607
Total:	7196.14				50-51		114
							

Ł	otal:	

RCP Pipe Totals:

	12	1286
	15	1038
	18	1010
	21	69
	24	965
	30	202
Total:		4570

1.1	
16-23	
25-33	
50-51	
42-47	

42-47	325
59-63	252
36-41	360
48-49	95
Total:	3258

Other Drain:	
12" CMP	20

The length of the drain due to the changes described above is now 15,044.14 feet.

The non-enforcement was approved by the Board at its meeting on July 24, 2000 and recorded under instrument #200000061202.

The following sureties were guaranteed by Fifth Third Bank and released by the Board on its January 28, 2002 meeting.

Bond-LC No: SB12288 Insured For: Storm Sewers Amount: \$202,214.00 Issue Date: August 21, 2000 Bond-LC No: SB12298 Insured For: Erosion Control Amount: \$38,500 Issue Date: August 21, 2000

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

Sincerely,

Kenton C. Ward, Hamilton County Surveyor

KCW/slm



Kenton C. Ward, CFM Surveyor of Hamilton County Phone (317) 776-8495 **To: Hamilton County Draipage Board**

Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230 **November 21, 2008**

Re: Russell Shuggart Drain: Hazedell Woods Sec. 1 (Revised Final Report)

Attached are as-builts, certificate of completion & compliance, and other information for Hazeldell Woods 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 20, 2000. The report was approved by the Board at the hearing held July 24, 2000. (See Drainage Board Minutes Book 5, Pages 406-407) The changes are as follows:

Structure:		T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
	701		814.27				
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	702	819.62	814.16				
	706	816.23	814.35	12	39	,	
	753		817.98				
	754	820.38	818.22	18	110	118	-8
	707		817.98				
	708	<u>8</u> 22.46	818.63	15	160		
	708	822.46	818.63				
	709	822.54	818.84	12	30		
	710		818				
	711	824.2	818.61	18	130		
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	712	823.52	818.68	18	24		
	712	823.52	818.68				
	713	823.55	818.82	15	30		
	713	823.55	818.62				
	714		819.89	12	219		

	715	ł	818.14				1
	716	825	819.02	18	160	·	<u>+</u>
	716	825	819.02	10	100		
·····	717	824.97	819.15	15	20		
	717	824.97	819.15	10	30		
	717	822.09	819.99	12	104		
	710	022.09	818.02	12	131		
	719	824.56			4.4		
	720	824.56	818.18	18	41		
	720		818.18	10	454		
	721	827.59	818.69	18	154		<u> </u>
	721	827.59	818.69	4.5			
		827.74	818.84	15	30		
	722	827.74	818.84	45	054		
	723		819.89	15	251		
	724	004 70	820.04				
	725	824.76	820.31	24	29		
	725	824.76	820.31				<u>_</u>
	726	831.76	821.57	24	130		_
	726	831.76	821.57				
	727	831.35	822.32	24	73		
	727	831.35	822.32				
	728		825.96	24	369		
	729		816.05				
	730	821.47	816.67	24	108		
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	731	823.04	816.88				
	732	822.17	817.26	24	86		
	732	822.17	817.26				
	733	821.49	817.45	24	20		
	733	821.49	817.45				
	734	821.72	817.77	24	59		
	734	821.72	817.77			·····	
734A		822.19	818.09	24	19		
	734	821.72	817.77			-	
7040							
734B		821.44	818.14	15	33		
762A		921 25	012 05				
	764	824.35 820.16	813.95		407	Net Denerite d	
<u> </u>			815.76	30	187	Not Reported	187
	764	820.16	815.76			Deneri la com	
	765		815.96	30	15	Reported as 36"	144
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		· · · · · · · · · · · · · · · · · · ·			
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744	823.12	818.83			
745	824.95	820.55	18	209	
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745	824.95	820.55			
749	824.71	820.59	15	45	
749	824.71	820.59			
750	825.22	821.22	15	52	
744	823.12	818.83			
752	822.83	819.37	12	43	
744	823.12	818.83			
751	822.76	819.24	12	44	

6" SSD Streets:

Flinchum Way		2144
Bruce Blvd		1364.68
Linda Way		89.39
	x2	
Total:		7196.14

RCP Pipe :

12	1286
15	1038
18	1010
21	69
24	965
30	202
	4570
	15 18 21 24 30

This fall it was discovered through field investigations and discussions with the drainage inspector for this project that the SSD was never installed in the rear of the lots. Also not installed was the 12" CMP. The original final report listed length of the drain at 15,044.14 feet. Due to the changes mentioned the length of drain is now **11,766.14 ft**.

The non-enforcement was approved by the Board at its meeting on July 24, 2000 and recorded under instrument #200000061202.

The following sureties were guaranteed by Fifth Third Bank and released by the Board on its January 28, 2002 meeting.

Bond-LC No: SB12288 Insured For: Storm Sewers Amount: \$202,214.00

Bond-LC No: SB12298 Insured For: Erosion Control Amount: \$38,500 Insured For: Storm Sewers Amount: \$202,214.00 Issue Date: August 21, 2000

Insured For: Erosion Control Amount: \$38,500 Issue Date: August 21, 2000

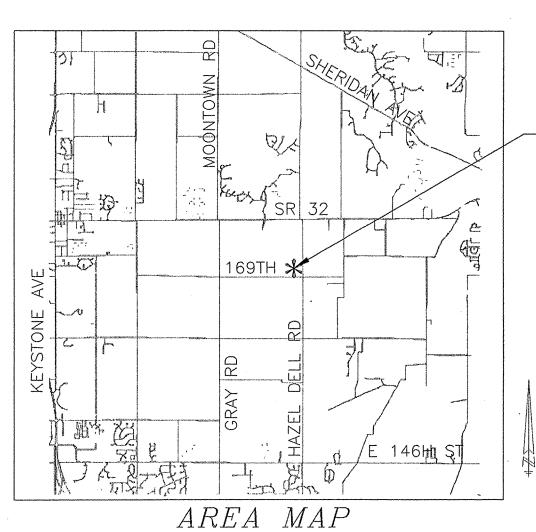
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

Kenton C. Ward, Hamilton County Surveyor

KCW/slm

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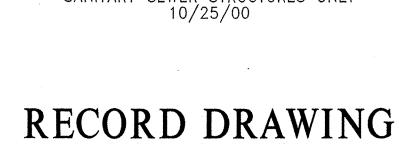


HAZEL DELL WOODS SECTION 1

	INDEX
SHEET NO	DESCRIPTION
1	TITLE SHEET
2-4	EXISTING CONDITIONS / DEMOLITION PLAN
5-7	DEVELOPMENT PLAN ,
8-11	STREET PLAN & PROFILE SHEETS
12,13.13A–18	STORM SEWER PLAN & PROFILE SHEETS
19–19A	OFFSITE SANITARY SEWER PLAN & PROFILE SHEETS
20-25	SANITARY SEWER PLAN & PROFILE SHEETS
26-28	EROSION CONTROL PLAN
29	TRAFFIC MAINTENANCE / ENTRANCE PLAN
30	TRAFFIC CONTROL PLAN
31	INTERSECTION DETAIL SHEET
32-33	DETAIL SHEET
34	SPECIFICATION SHEET
35	OFFSITE WATER MAIN PLAN
36-37	OFFSITE WATER MAIN PLAN & PROFILE
38-39	WATER MAIN PLAN
40	WATER MAIN DETAIL SHEET
41	WATER MAIN SPECIFICATION SHEET

REVISIONS

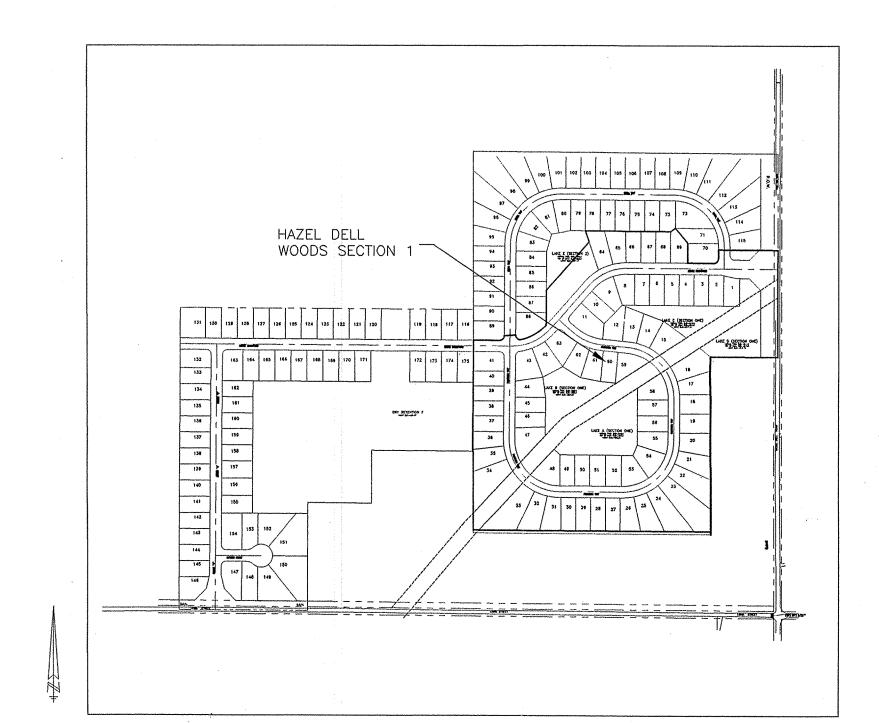
SHEET NO.	DESCRIPTION	DATE
ALL	MINOR REVISIONS PER T.A.C. REVIEW	4 /6 /00
ALL	MINOR REVISIONS	5 /1 /00
ALL	MINOR REVISIONS	5/5/00
ALL	MINOR REVISIONS - HAMILTON COUNTY HIGHWAY	5/22/00
ALL	REVISIONS PER HAMILTON COUNTY	6 /22 /00
5,6,19,19A,21	REVISIONS TO SANITARY	7 /12 /00
5,20,21	REVISIONS TO SANITARY	7 /20 /00
5,6,19-25	SANITARY SEWER AS-BUILTS	10 /25 /00
5,6,12,13,13A-18	STORM SEWER AS-BUILTS	10 / 31 / 00
35,38-39	WATER AS-BUILTS	11 /8 /00



STORM SEWER AS-BUILTS STORM SEWER STRUCTURES ONLY 10/31/00



CONSTRUCTION PLANS FOR HAZEL DELL WOODS SECTION 1

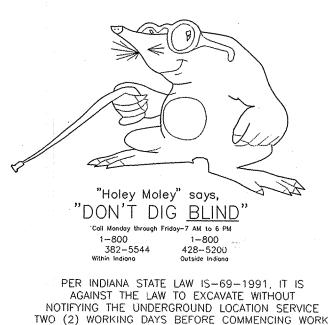


SITE LOCATION MAP

BENCHMARK

RECORD DRAWING SANITARY SEWER AS-BUILTS SANITARY SEWER STRUCTURES ONLY

2.5 miles west along the Central Indiana Railway from the station of Noblesville, in the SW angle of the crossing with Mill Creek Road, 55 feet west of the centerline of the road, 11 feet south of the south rail, 35 feet west of a fence corner, 9 feet north of the fence line, and about 2 fee higher than the track. A state survey standard disk, stamped "104" and set in the top of a concrete post flush with the ground. ELEVATION - 809.50 (NGVD 1929)



INDIANA STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS LATEST EDITION TO BE USED WITH THESE PLANS.

DESIGN DATA: TOTAL ACREAGE = $30.00 \pm ACRES$ NUMBER LOTS = 69DESIGN SPEED = 25 M.P.H. STREET LENGTH: BRUCE BOULEVARD 1465.04' FLINCHUM WAY 2288.43'

3,753.47'

TOTAL LENGTH:

BAY DEVELOPMENT CORP. 10415 N. COLLEGE AVE. INDIANAPOLIS, IN 46280 *TELEPHONE:* (317) 844-8844 CONTACT PERSON: URSELL COX

WEIHE ENGINEERS, INC. 10505 N. COLLEGE AVE. INDIANAPOLIS, IN 46280 *TELEPHONE:* (317) 846–6611 CONTACT PERSON: MAX MOUSER - ENGINEER PAUL MONKE - STAKING

Hamilton County Surveyor One Hamilton Square, Suite 146 Noblesville IN 46060 (317) 776-8495

Indiana Gas Company 15900 Allisonville Road Noblesville IN 46060 (317) 773-0430

Ameritech 5858 N College Ave. Indianapolis IN 46220 (317) 252-4267

Equilon Pipeline Company, LLC. P.O. Box 7 Zionsville, IN 46268 (317) 870-0122

NOTES: 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION. 2) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION

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HAMILTON COUNT

SHEET N

3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.

4) ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.

5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.

6) IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.

7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.

8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.

9) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.

10) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.

12) THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY -NATIONAL FLOOD INSURANCE PROGRAM, MAP #180082 0015E, DATED SEPTEMBER 24, 1982.

13) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.

14) THE SITE DOES NOT CONTAIN A WETLANDS AS ESTABLISHED BY THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE; NOBLESVILLE, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1989. 15) CONSTRUCTION DRAWINGS WILL BE SUBMITTED TO EQUILON FOR THEIR

APPROVAL BEFORE ANY CONSTRUCTION AROUND THE PIPELINE. 16) A 48 HOUR NOTICE MUST BE GIVEN TO APPROPRIATE ONE-CALL SYSTEM BEFORE CONSTRUCTION BEGINS. A EQUILON REPRESENTATIVE WILL BE PRESENT DURING ACTIVITY AROUND THE PIPELINE. R. E. (DICK) WADDELL, OPERATIONS SUPERVISOR EQUILON PIPELINE COMPANY LLC

P.O. BOX 7, ZIONSVILLE, INDIANA 46268 TELEPHONE (317) 870-0122

PLANS PREPARED FOR:

PLANS PREPARED BY:

OPERATING AUTHORITIES:

City of Noblesville Wastewater Utility 197 Washington Street Noblesville IN 46060 (317) 776-6353

> Insight Cablevision 15229 Stony Creek Way Noblesville IN 46060 (317) 776-0660

Harbor Water P.O. Box 1220 Indianapolis, IN 46206 (317) 263-6347

Hamilton County Highway Department 1717 Pleasant Street Noblesville IN 46060 (317) 773-7770

CINERGY/PSI ENERGY 100 S. MILL CREEK NOBLESVILLE, IN 46060 (800) 521-2232

Indianapolis Water Company/ Hamilton County Soil Conservation Service 925 Division Street Noblesville IN 46060 (317) 773-1406



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E		Pipeine Centerline per Workers	5			STC STRUCTURE NUMBER	ORM SEWE	R STRUC casting type	CTURE TOP		(700) INVERT
E		Pipeline Centerline per Market ale Pipeline Centerline per Market				701	CES	NONE	N/A		-814:00 814
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	oroximo	ine Cer.				703	MANHOLE	SOLID	823.30	823.09	<u>-817.65</u> 817
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II	roxim	<u>o</u> t.				700	1		010.50		01117 01
- -	APP					706	INLET	BEEHIVE	816.50	816.23	-814.17 814
口	and the second sec					707	CES	NONE	N/A		<u>-818.00</u> 817
T	19 ann					708		CURB (TL)	822.52	822.46	<u>-818.80-</u> 818
						709		CURB (TR)	822.52	822.54	<u>-818.95</u> 818
H	1					710	CES	NONE	N/A	001.00	<u>-818.00</u> 818
_						711		SOLID	824.00	824.20	- <u>818.65</u> 818
						712	MANHOLE	CURB (TR) CURB (TL)	823.52	823.52	<u>-818.77</u> 818
						713	MANHOLE CES	NONE	823:52 N/A	823.55	<u>-818.92</u> 818 -820.00 819
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			714	CES	NONE	N/A N/A		<u>-818:00</u> 818
	CANITADY		RUCTURE TAB		600	715	MANHOLE	CURB (TR)	825.01	825.00	- <del>818:80</del> 819
	SANHART	SEWER SH	NUCTURE TAD			717	MANHOLE	CURB (TL)	825.01	823.00	-818.95 809
-	STRUCTURE	TOP OF	INVERT	INVER	T	718	INLET	BEEHIVE	822.00	822.09	-819:61 819
	NUMBER	CASTING	(IN)	(OUT)		719	CES	NONE	N/A		-818.00- 818
-	901	<del>807.92</del> 808.10	794.70(N) EX. 794.14	793.11(E	) EX.	720	MANHOLE	SOLID	824.50	824.56	-818.17 818
	(EXISTING)		794.63(S) EX.			721	MANHOLE	CURB (TR)		827.59	- <del>818.82</del> 818
	(/	*****	793.22(W) EX.			722	MANHOLE	CURB (TL)	827.62	827.74	-818.95 818
	902	<u>808-96</u> - 808.82	Z <u>94.87(N</u> ,₩) 794.55	794.77(5)	794 45	723	CES	NONE	N/A		-820.00- 819
	V V 2.	<u> </u>				724	CES	NONE	N/A		-820.00 820
	903	811.43 812.10	802.73 802.40	Z95.54	795.66	725	MANHOLE	SOLID	824.40	824.76	-820.29 820
	904	<del>810.70</del> 810.56	804.11 804.15	804.01	804.05	726	MANHOLE	SOLID	831.60	831.76	-821.59 821
-	905	<del>818.60</del> 818.56	805.49 805.48	805.39	805.38	727	MANHOLE	SOLID	831.40	831.35	-822.32 822
	906	<u>818.50</u> 818.74		805.67	805.68	728	CES	NONE	N/A		-826.00 805
	907	824.80 824.85	an a sea an		807.02	729	CES	NONE	N/A		-816.00- 816
		822.30 822.64			812.22	730	MANHOLE	SOLID	821.50	821.47	-816.54 816
	908		812-30(SW) 812.32								
	909	-822.60 822.60	812.94 812.96	-812.84	812.86					,	
	910	-822.70 822.60			814.87					•	
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			817-1+(SF) 816 80		,0.000	T/				TTIO	l I

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## RECORD DRAWING STORM SEWER AS-BUILTS STORM SEWER STRUCTURES ONLY 10/31/00

1 0250

832.60 832.46 822.12 822.15 822.02 822.05 933 SANITARY SEWER NOTES:

10

1.) THIS PLAN IS INDICATING SANITARY SEWER LATERALS TO STOP NO CLOSER THAN 5 FEET FROM THE BUILDING LINE. AT NO TIME SHALL THE CONTRACTOR EXCAVATE PAST THE BUILDING LINE DURING INSTALLATION OF ANY UTILITIES. IF EXCAVATION IS REQUIRED PAST THE BUILDING LINE, MATERIAL SHALL BE REPLACED AND COMPACTED TO 95% STANDARD PROCTOR. THIS IS INTENDED TO PREVENT ANY STRUCTURAL SETTLING WITHIN THE BUILDABLE AREA OF ALL LOTS. SANITARY LATERALS ARE TO BE INSTALLED AT NO GREATER THAN 45 DECREPT ANGLE COMING FROM THE MAIN DEGREE ANGLE COMING FROM THE MAIN.

824-20 824.33

823.80 824.28

825.90 826.27

824.30 824.53 817.65

810.00 810.00 295.08

_810.50 810.75 Z95.66

812.50 812.68 296.24

828.40 828.47 812.12

827.50 827.41 812.76

825.10 825.43 814.28

824.30 824.17 814.90

824.30 824.15 815.52

824.70 824.68 816.15

824.50 824.57 N/A

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920 (DROP)

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817.11(SE) 816.89

N/A

N/A

817.00 817.12 809.59(H) 807.72 796.72(E) 796.54

<u>822.50</u> 822.58 810.93 810.88 810.83 810.78

<u>830.70</u> 831.00 818.92 819.00 818.82 818.90

<u>826.50</u> 826.55 820.23(N,₩) 820.37 820.13(5) 820.27

<del>835.50</del> 835.48 821.59(N;W) 821.69 821.49(E) 821.59

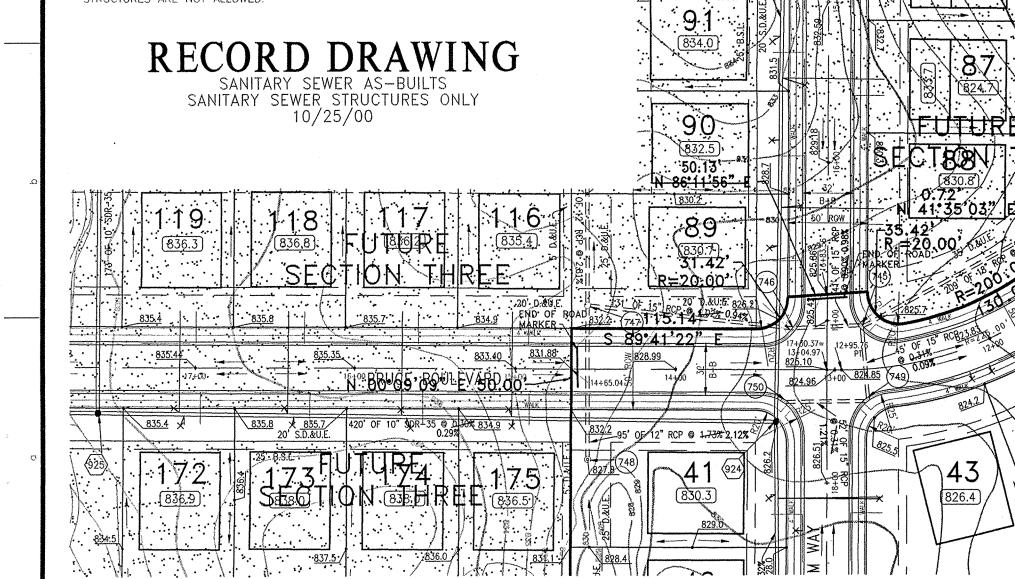
<u>-829-20</u> 829.20 | 811.71 (SE) 811.80 | 811.61 (SW)811.72 ₹.

796.82(W) 796.60

818.49(NW) 818.15

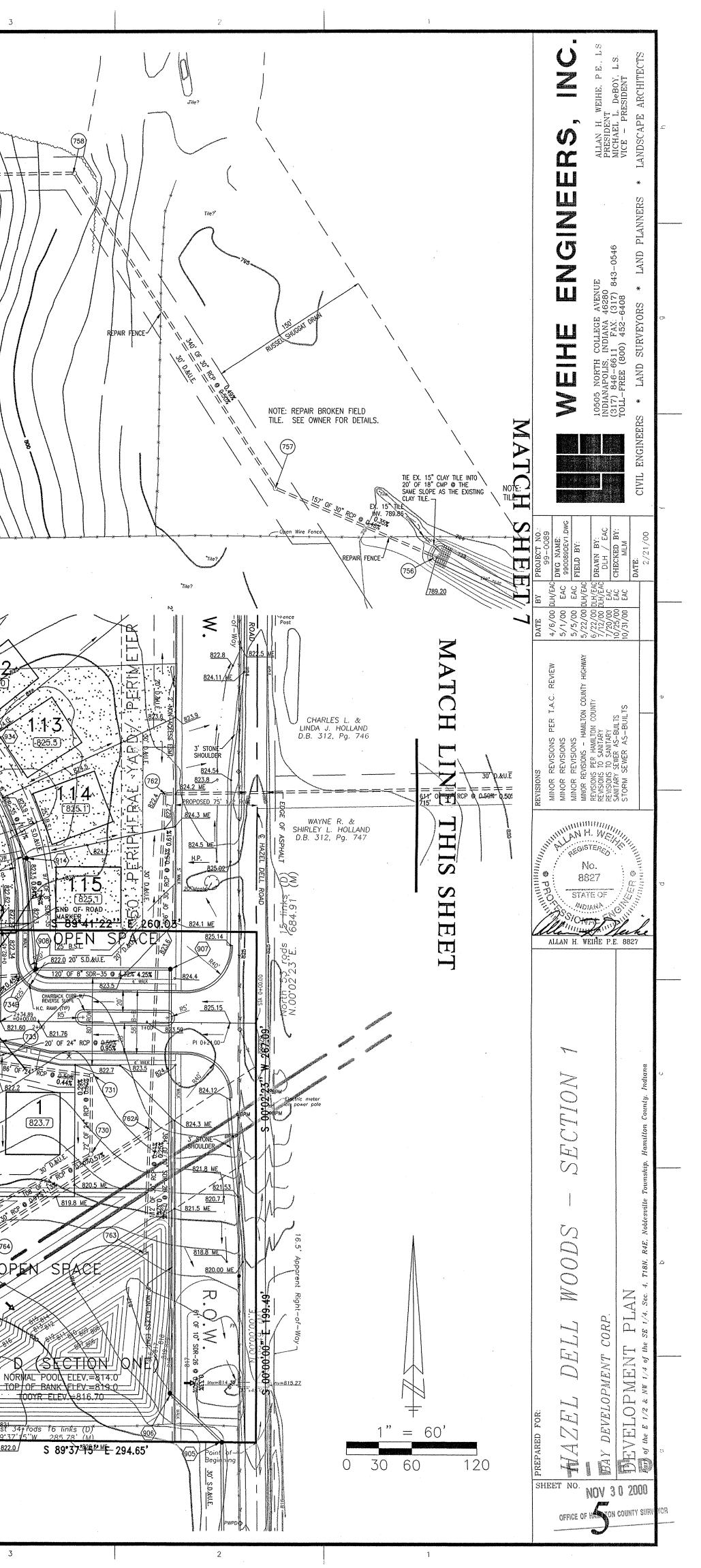
<u>815.84</u>

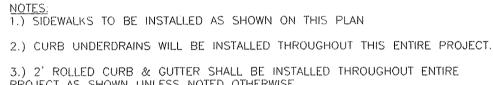
2.) ALL DROP STRUCTURES MUST BE AN OUTSIDE DROP. INSIDE DROP STRUCTURES ARE NOT ALLOWED.



	875 30' D.&U.E. ===================================		(76) 60' OF 30" RCP € 0.485 30' D.&U.E. 759)				
700 INVERT <u>-814.00-</u> 814.27 <u>-814.00-</u> 814.16 <u>-817.65-</u> 817.44 <u>-818.00-</u> 818.04 <u>-814.17-</u> 814.35 <u>-818.00-</u> 818.04 <u>-818.00-</u> 817.98 <u>-818.95-</u> 818.63 <u>-818.95-</u> 818.63 <u>-818.65-</u> 818.61 <u>-818.77-</u> 818.68 <u>-818.92-</u> 818.82 <u>-820.00-</u> 819.89 <u>-818.00-</u> 818.14	STRUCTURE ST	LE SOLID LE CURB (TR LE CURB (TR LE SOLID CURB (TL) NONE LE SOLID LE BEEHIVE NONE LE CURB (TL) LE CURB (TR	TOP OF CASTING 823.10 823.04 822.20 822.17 821.35 821.49 821.60 821.72 822.20 822.19 821.40 821.44 N/A 821.00 821.08 821.50 821.66 N/A 821.60 821.64 821.60 821.71 822.20 822.23 820.10 820.18		000.0 0 T.C. INV. RCP M.H. STR. D. & U.E.	LEGEND = RIGHT-OF-WAY LINE = STORM SEWER LINE = SWALE = SANITARY SEWER LINE = SANITARY SEWER LATER = FLOW DIRECTION = EXISTING SPOT ELEVAT = FLOW DIRECTION = EXISTING CONTOURS = PROPOSED ELEVATION = STORM BEEHIVE INLET = TOP OF CASTING = INVERT = REINFORCED CONCRETE = MANHOLE = STRUCTURE = DRAINAGE AND UTILITY	RAL ION E PIPE EASEMENT
- <u>818.80</u> 819.02 - <u>818.95</u> 809.15 - <u>819.61</u> 819.99 <u>818.00</u> 818.02 - <u>818.17</u> 818.18 <u>818.95</u> 818.69 <u>818.95</u> 818.84 <u>-820.00</u> 819.89 <u>820.29</u> 820.04 <u>820.29</u> 820.31 <u>-821.59</u> 821.57 <u>822.32</u> 822.32 <u>826.00</u> 805.96 <u>-816.00</u> 816.05 <u>-816.54</u> 816.67	744         MANHO           745         MANHO           746         MANHO           747         MANHO           748         INLET           749         MANHO           750         MANHO           751         INLET           752         INLET           753         CES           754         OUTLET           755         CES           756         CES           757         MANHO           758         MANHO           759         MANHO           760         MANHO           761         MANHO	LE CURB (TR LE CURB (TR LE SOLID BEEHIVE LE CURB (TL) LE CURB (TL) CURB (TL) CURB (TL) CURB (TL) CURB (TL) NONE (SEE DETAIL) (SEE DETAIL NONE (SEE DETAIL) (SEE DETAIL NONE NONE LE SOLID LE SOLID LE SOLID LE SOLID	) <u>825.00</u> 824.95 <u>825.20</u> 825.20 <u>832.50</u> 832.42 <u>827.80</u> 827.96 <u>824.80</u> 824.71 <u>825.20</u> 825.22 ) <u>822.75</u> 822.83 <u>N/A</u> <u>820.00</u> 820.38 <u>N/A</u> <u>N/A</u> <u>820.00</u> 820.38 <u>N/A</u> <u>820.30</u> 794.06 <u>800.30</u> 799.30 <u>813.30</u> 813.05 <u>821.30</u> 822.86	&20.51       820.55         .820.58       (E)       820.95         .824.82       (W)       821.65         .823.16       822.88         .824.80       824.89         .820.65       820.59         .820.81       821.22         .818.98       819.24	SAN H.C. M.E. STM S.S.D. S.S.P. S.S.P.(D.I.) S.S.P.(D.I.) S.S.P.(D.I.) S.S.P.(D.I.) S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.P. S.S.S.S.	<ul> <li>SANITARY, DRAINAGE, A EASEMENT</li> <li>SANITARY SEWER</li> <li>HANDICAP RAMP</li> <li>MATCH EXISTING GRADI</li> <li>SUBSURFACE DRAIN AND SUMP LINE</li> <li>STORM SEWER</li> <li>GRANULAR BACKFILL</li> <li>CONCRETE END SECTIO</li> <li>SUBSURFACE DRAIN</li> <li>SANITARY SEWER PIPE</li> <li>SANITARY SEWER PIPE</li> <li>NORMAL POOL ELEVATION</li> <li>TROPOSED PAD ELEVATION</li> <li>TYPICAL</li> <li>PROPOSED</li> <li>EXISTING</li> <li>BURIED PIPELINE MARI</li> <li>EMERGENCY FLOW DIRI</li> <li>AS-BUILT SUBSURFACE D</li> </ul>	E ON (DUCTILE IRON) ON TION DN KER ECTION ORAIN LATERAL
	The manho Tes CES	(SEE DETAIL) (SEE DETAIL LE SOLID NONE	) <u>814.00</u> 813.72 <u>820.20</u> 820.16 N/A 22" E 37 4.00" 15" D.&U.E. 5 66	20.1 820.3 821.0 820.8 15 D. 401 820.8 15 D. 401 800 000 000000000000000000000000000000	E 25.81	= FUTURE SECTIONS	
NORMAL POOL TOP OF BANK 1007R ELEV	ELEV. 818.0 ELEV. =823.0 308 308 308 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.	822.5 822.5 822.5 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 822.12 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3.) 2' ROLLED CURB & GUTTER SHALL BE INSTALLED THROUGHOUT ENTIRE PROJECT AS SHOWN UNLESS NOTED OTHERWISE.

4.) A HANDICAPPED RAMP IS TO BE INSTALLED AT ALL LOCATIONS WHERE A SIDEWALK IS SHOWN INTERSECTING A CURB & SHALL NOT BE INTERFERED WITH

BY STORM DRAINAGE INLETS.

5.) CONTRACTOR TO DESIGNATE SANITARY LATERAL ENDS WITH A WOODEN 2"X4" ABOVE GROUND PAINTED BRIGHT GREEN STAKE.

6.) ANY DRAINAGE TILE SYSTEM COMING ONTO HAZEL DELL WOODS DEVELOPMENT SHALL BE CONNECTED INTO THE PROPOSED DRAINAGE SYSTEM IN ORDER TO

MAINTAIN POSITIVE DRAINAGE FOR THE OFFSITE SYSTEM.

7.) THE LOWEST FLOOR ELEVATION RECEIVING GRAVITY SERVICE MUST BE A

MINIMUM OF ONE FOOT ABOVE THE TOP OF CASTING OF THE NEAREST SANITARY

MANHOLE, OR A GRINDER PUMP SHALL BE REQUIRED.

8.) THE FINISHED FLOOR ELEVATION SHALL BE 12" ABOVE THE PAD ELEVATION. 9.) TRASH GUARDS TO BE PLACED ON ALL CONCRETE END SECTIONS ACCEPTING

WATER AND ALL POND OUTLETS. 10.) NO UTILITY PEDESTALS TO BE INSTALLED OVER A STORM OR SANITARY

SEWER LINE. I.E. ELECTRIC. 11.) NO PLANTS OR TREES ARE TO BE PLACED WITHIN THE REGULATED DRAIN

EASEMENTS.

12.) FULL DEPTH GRANULAR BACKFILL IS REQUIRED FROM RIGHT-OF-WAY LINE TO RIGHT-OF-WAY LINE FOR ALL LATERALS. 13.) THERE SHALL BE NO CONNECTIONS MADE TO THE STREET SUBSURFACE DRAIN

### GENERAL NOTES:

LEGEND

----- = RIGHT-OF-WAY LINE

= SANITARY SEWER LINE

= FLOW DIRECTION

= STORM INLET = TOP OF CASTING

= INVERT

= MANHOLE

= STRUCTURE

EASEMENT

= SANITARY SEWER

= HANDICAP RAMP

= STORM SEWER

= TYPICAL

= RADIUS

= PROPOSED

= EXISTING

= EXISTING CONTOURS

= PROPOSED ELEVATION

= STORM BEEHIVE INLET

D. & U.E. = DRAINAGE AND UTILITY EASEMENT

S.D. & U.E. = SANITARY, DRAINAGE, AND UTILITY

= MATCH EXISTING GRADE

= SUBSURFACE DRAIN AND SUMP LINE

= GRANULAR BACKFILL

= SUBSURFACE DRAIN

= SANITARY SEWER PIPE

= CONCRETE END SECTION

S.S.P.(D.L) = SANITARY SEWER PIPE (DUCTILE IRON)

= NORMAL POOL ELEVATION

= PROPOSED PAD ELEVATION

MINIMUM PAD ELEVATION

= BURIED PIPELINE MARKER

= SANITARY SEWER MANHOLE

= EXISTING SPOT ELEVATION

= REINFORCED CONCRETE PIPE

= SANITARY SEWER LATERAL

= = = = STORM SEWER LINE

-----= SWALE

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BPM

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RCP

X = AS-BUILT SANITARY LATERAL LOCATION

X = AS-BUILT SUBSURFACE DRAIN LATERAL

= EMERGENCY FLOW DIRECTION

= FUTURE SECTIONS

0 30 60

1<u>/22'' W 280.00'</u>

(30, D.&U.E.

N 89'41'22" W 280.00

1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.

2) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LÓCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.

3) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE

CONSTRUCTION WITH ALL RESPECTIVE UTILITIES. 4) ALL QUANTITIES GIVEN ON THESE PRINTS OR IN THE SCOPE OF WORK SECTION

ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS. 5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL

EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.

6) IN ADDITION. EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.

7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.

8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.

9) BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION. 10) DO NOT STAKE HOMES FROM THESE PLANS, SEE PLOT PLANS FOR DETAILS OF

HOMES AND DIMENSIONS. 11) END OF ROAD MARKERS TO BE PLACED AT ALL STREET STUBS. 12) ALL STORM STRUCTURES DEEPER THAN 4' SHALL BE MANHOLE STRUCTURES.

13) NO TREES, SIGNS, STREET LIGHTING, LANDSCAPING OR OTHER SUCH AMENITIES SHALL BE PERMITTED WITHIN THE MEDIAN OR ANY OTHER RIGHT OF WAY.

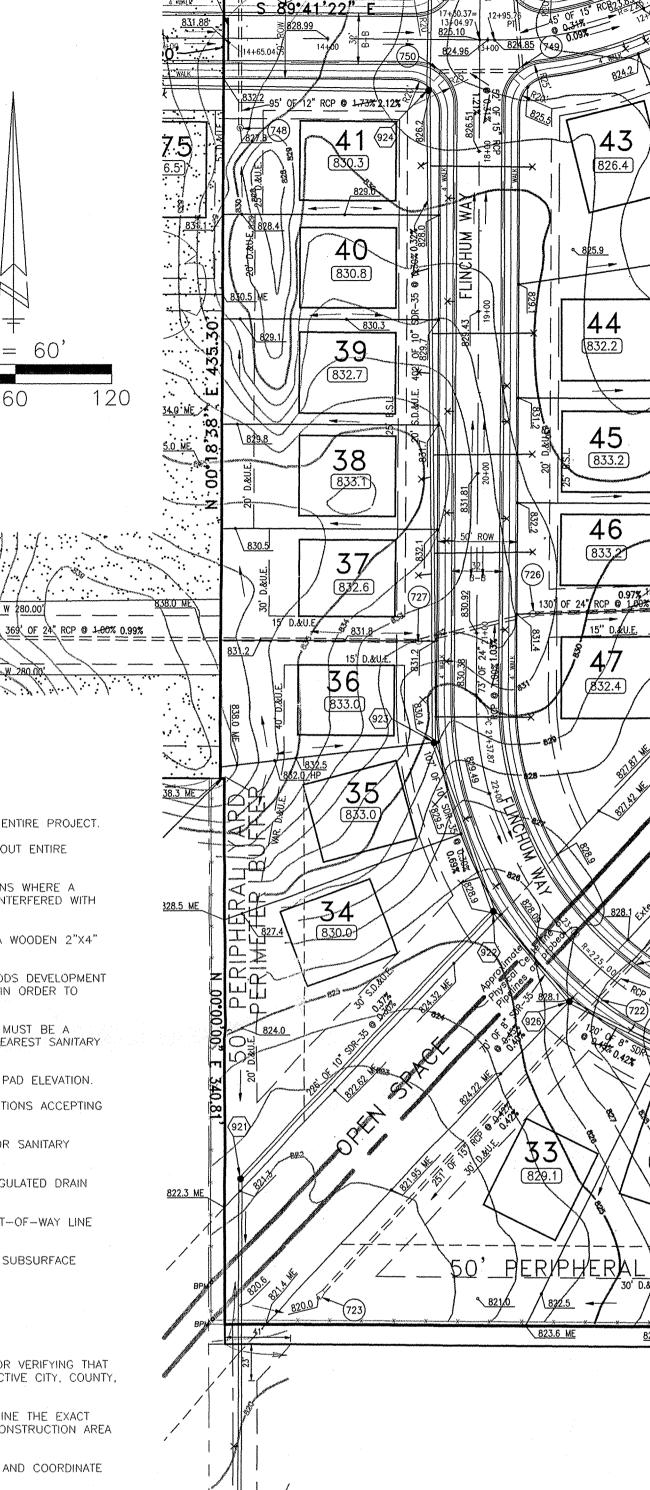
### **RECORD DRAWING** SANITARY SEWER AS-BUILTS SANITARY SEWER STRUCTURES ONLY

10/25/00

## **RECORD DRAWING**

STORM SEWER AS-BUILTS STORM SEWER STRUCTURES ONLY 10/31/00

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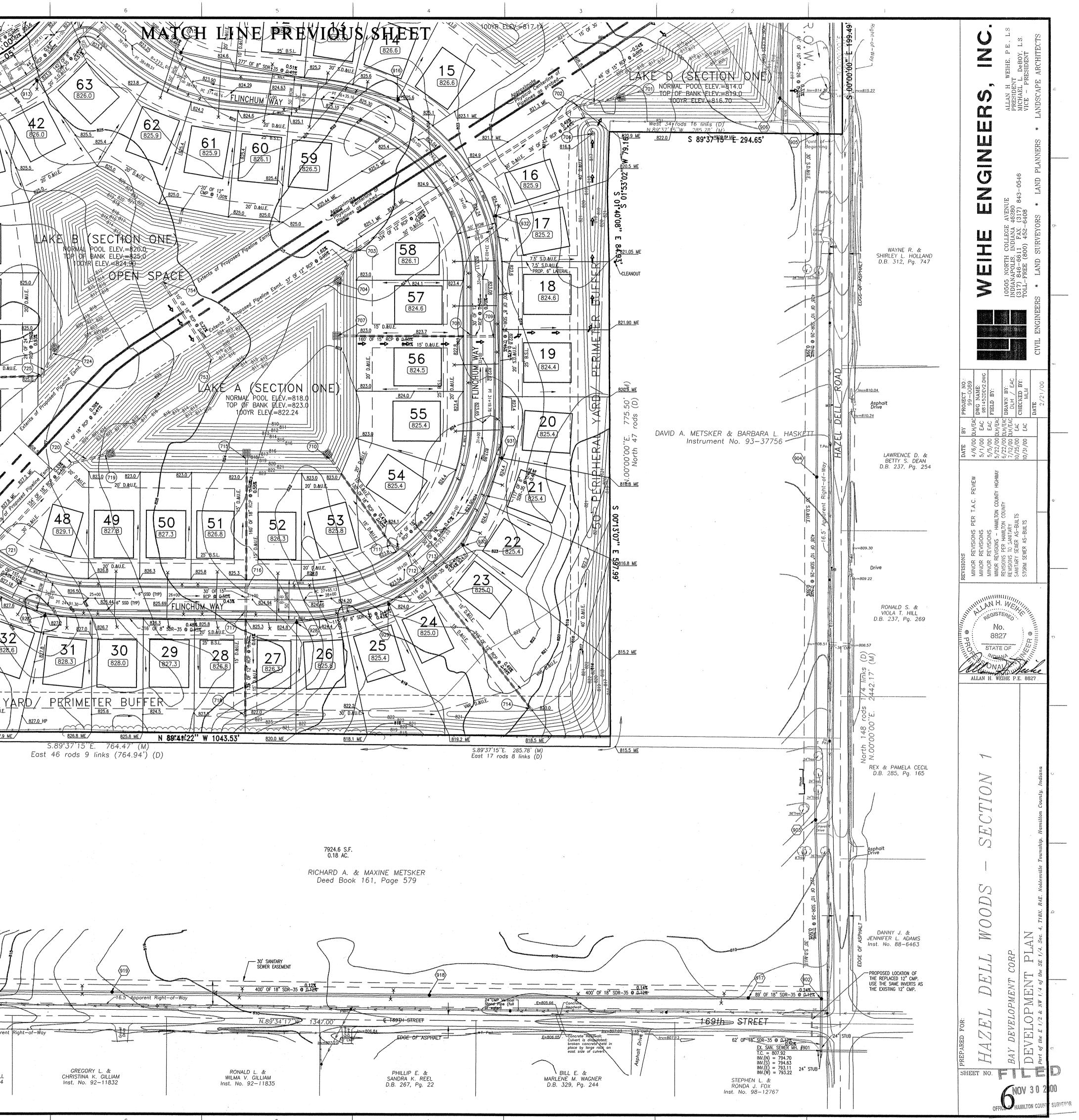
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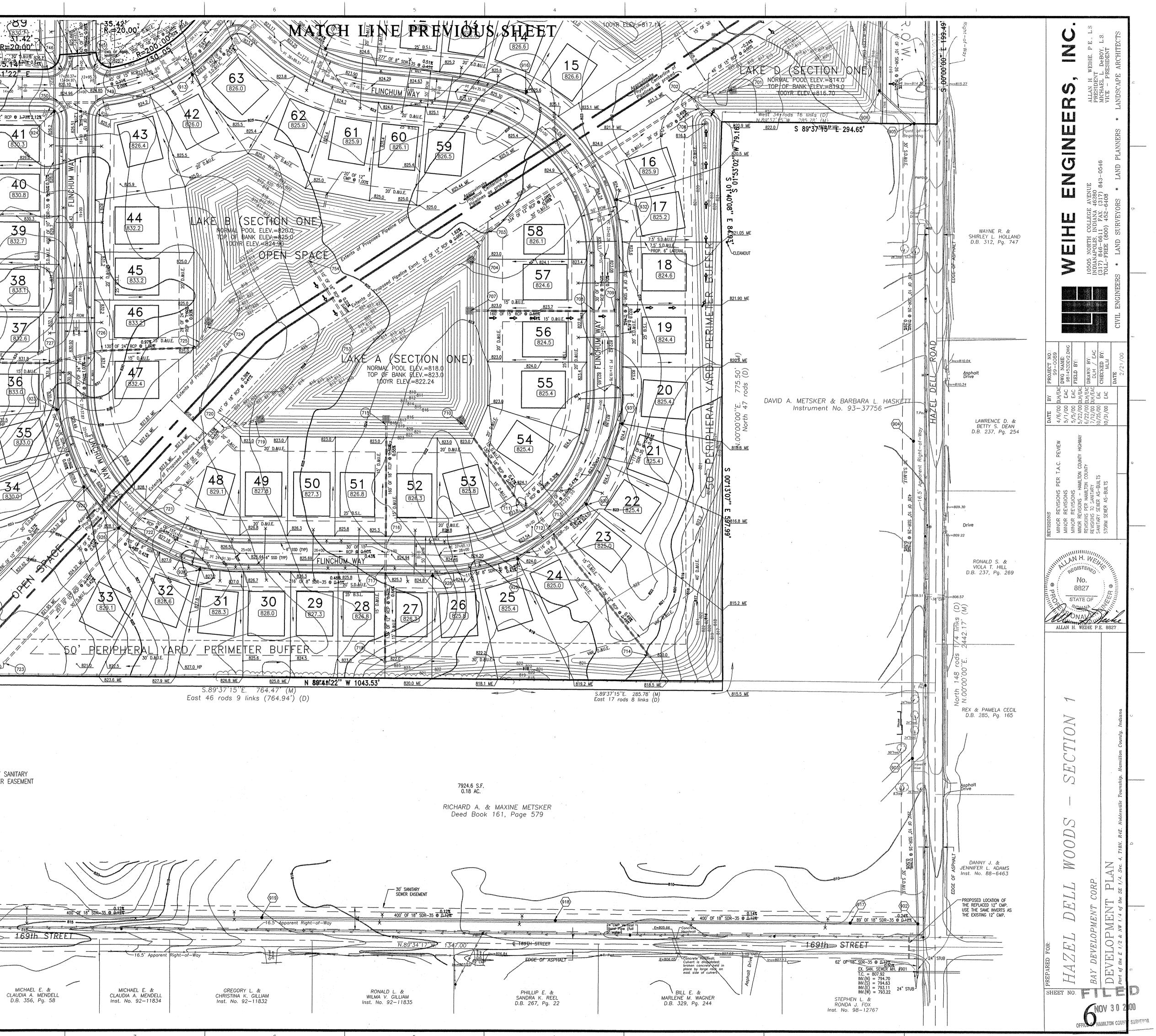
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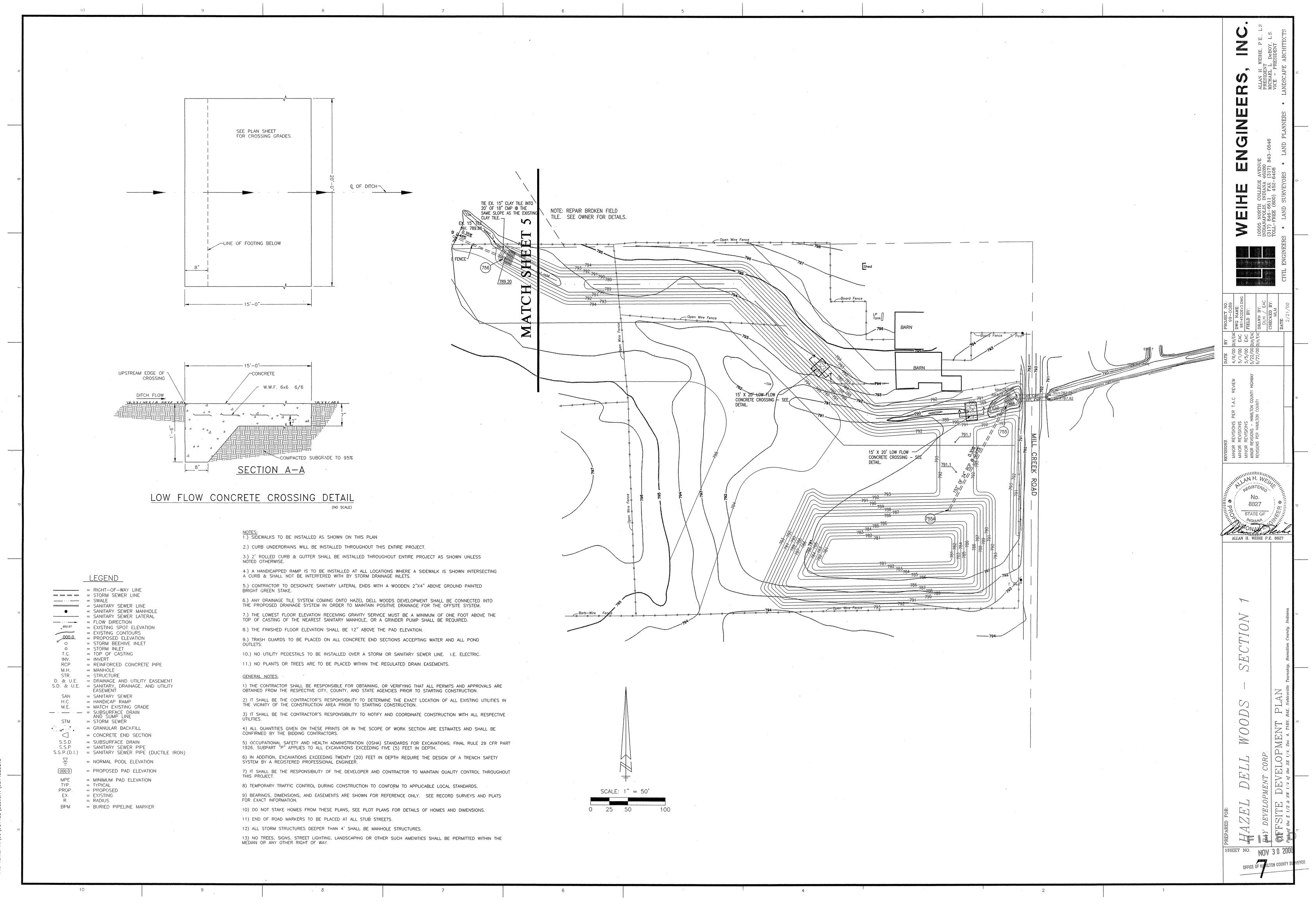
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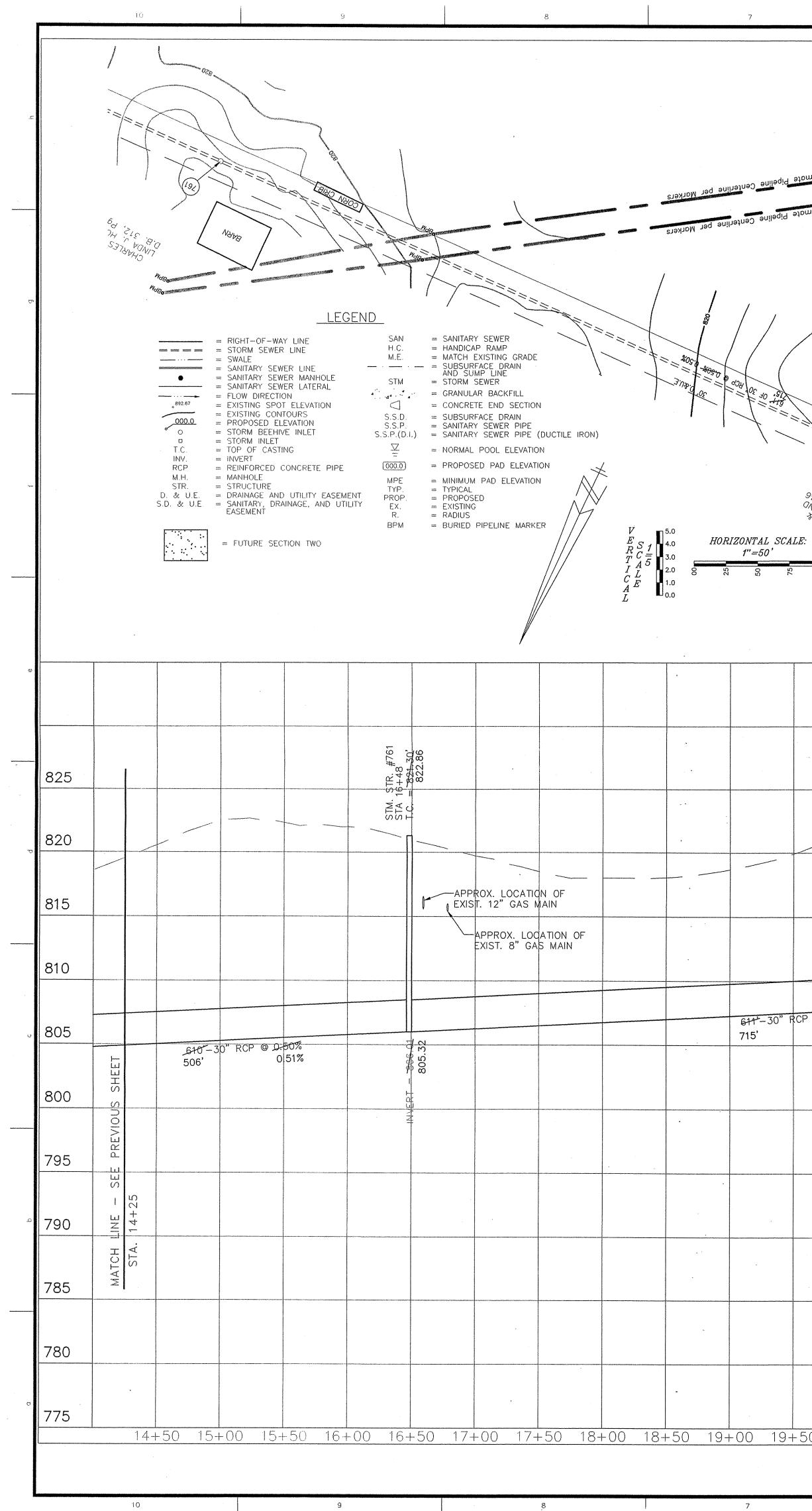
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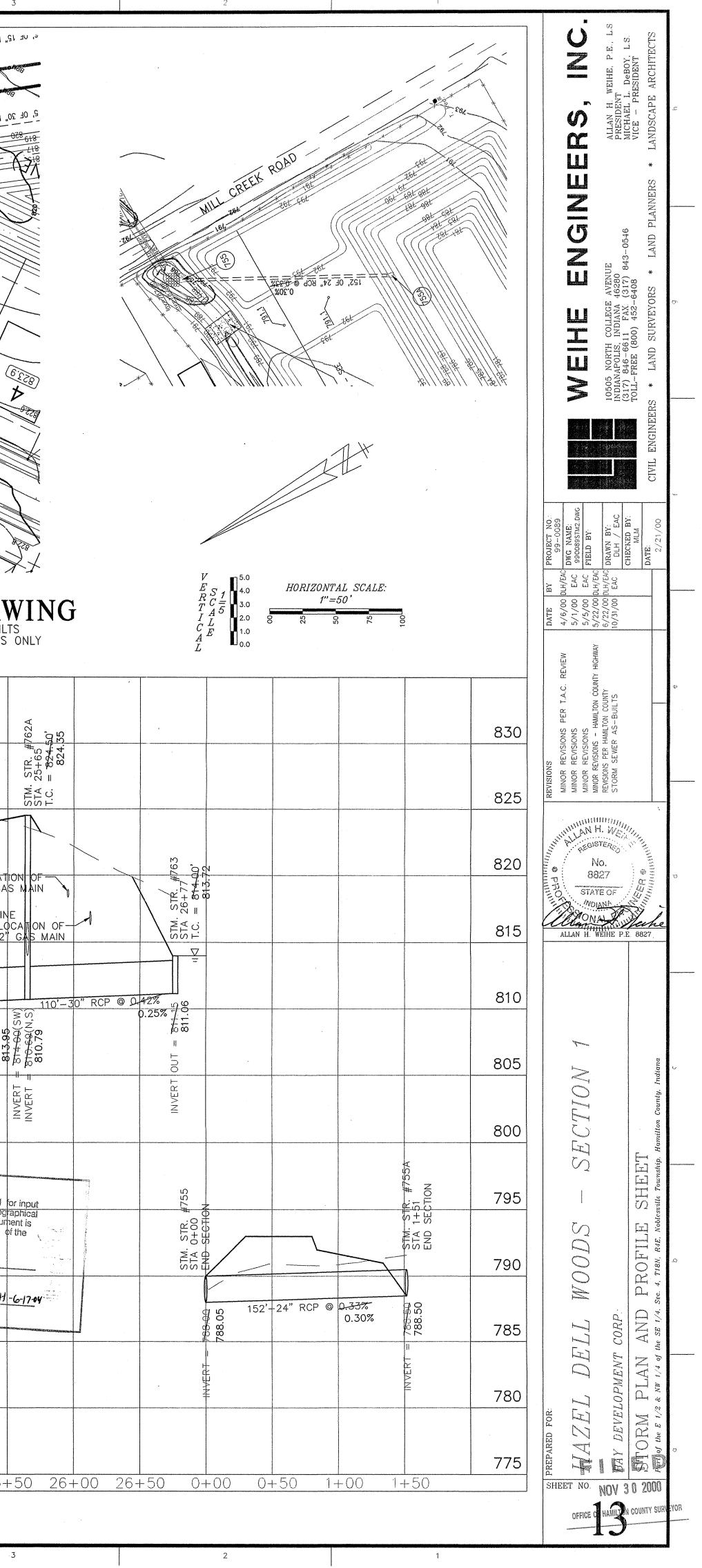
RECORD DRAWING STORM SEWER AS-BUILTS STORM SEWER STRUCTURES ONLY 10/31/00

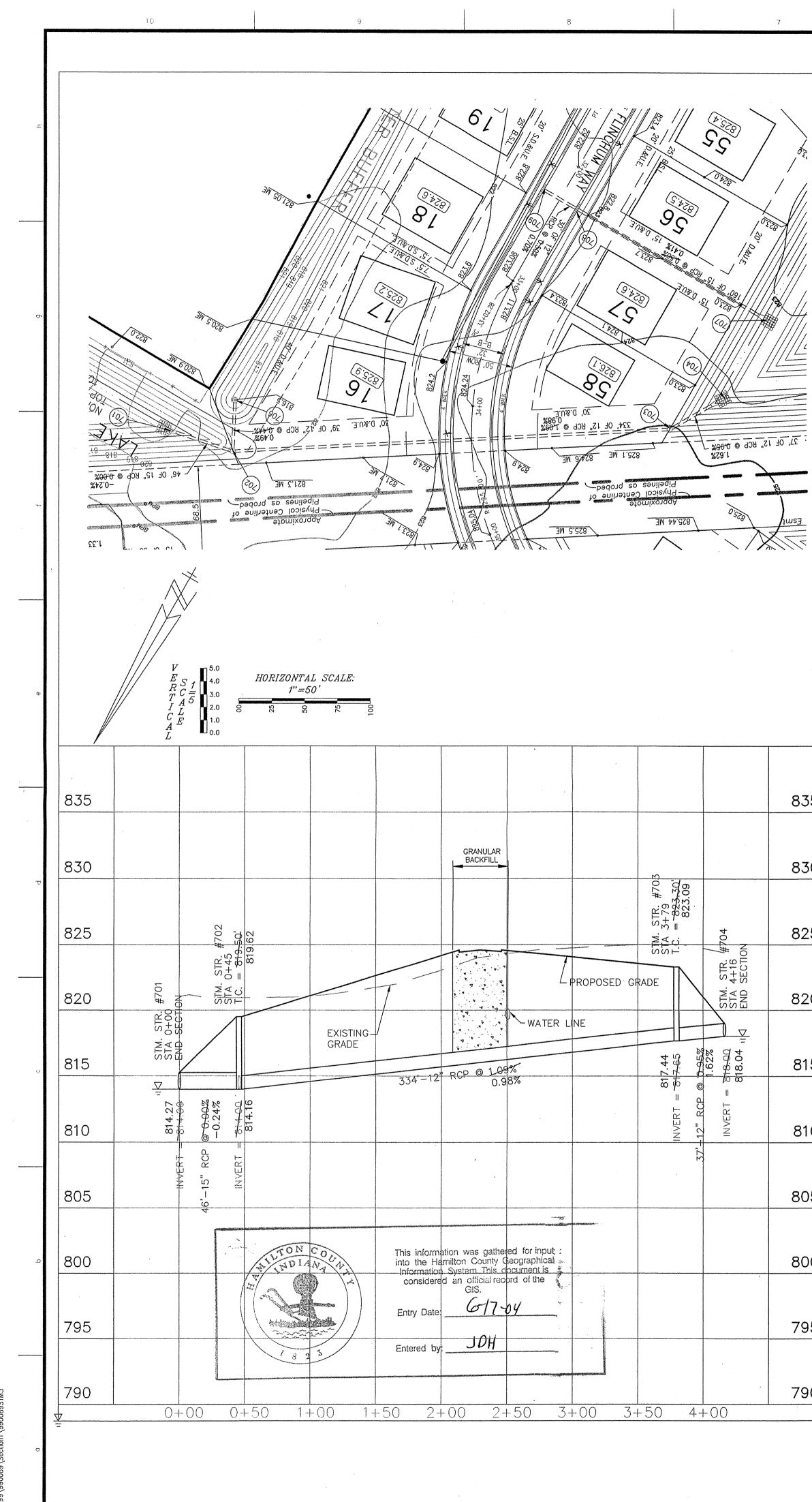
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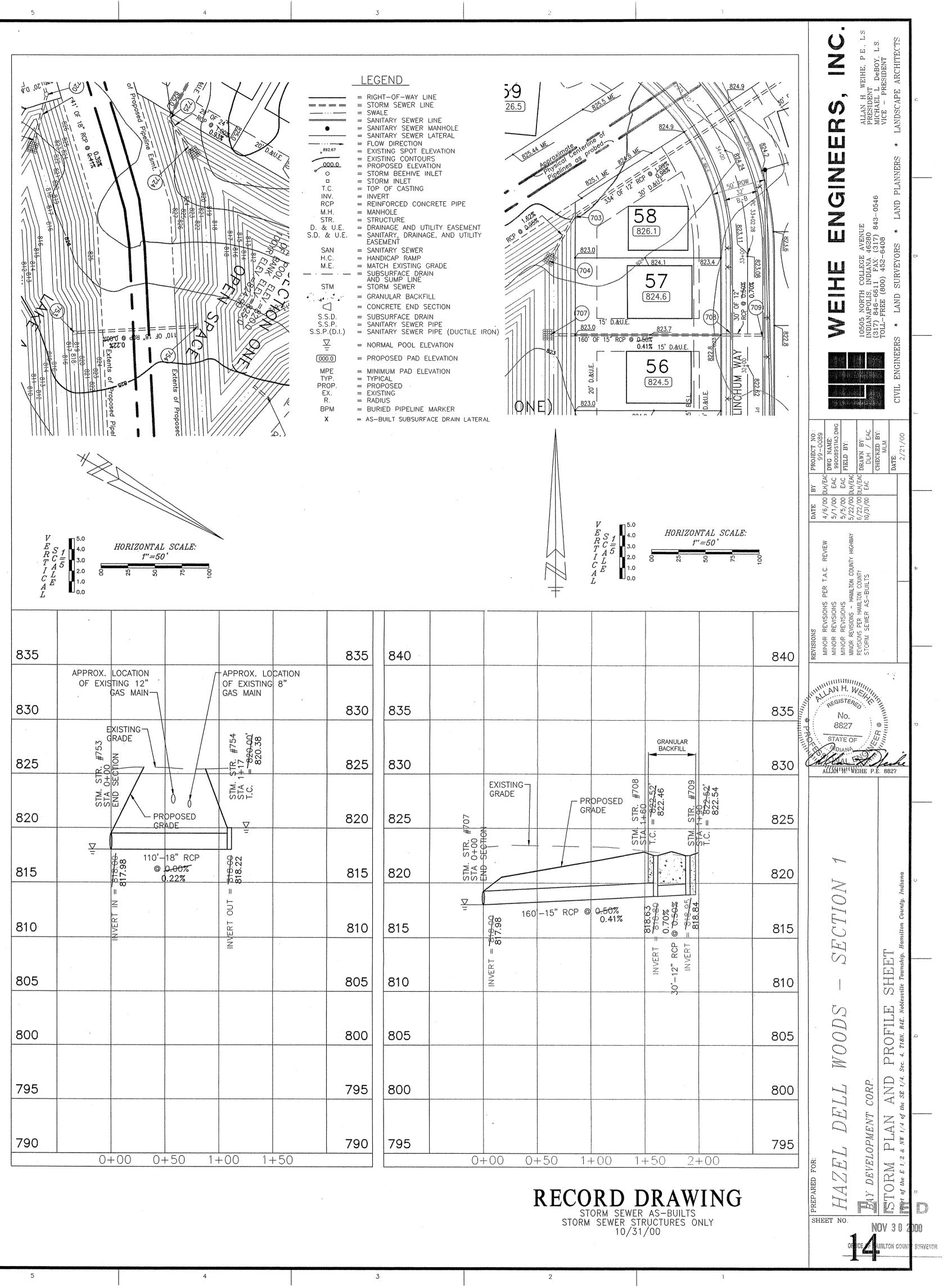
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7 500 A V SA 3 15' D.&U.E. 15' D.&U.E. 219'_OF_12" RCP @ 0.49% 15 D.&U.E. HORIZONTAL SCALE: 1"=50' 840 r 835 GRANULAR BACKFILL 830 STR. #71 1+30 = <u>824-00</u> 824.20 R. #71 +53 823.52 823.52 *71 -EXISTING GRADE ι μ μ ν μ T.C. 825 0 -PROPOSED GRADE -----T N N N KOF -7#=---24R ROC NOL STM. STA END N 4 1 STA. 820 -----219'-12" RCF @ <del>0.49%</del> 0.49% ₿ 88 2 819. 815 4 INVERT = 15" RCP INVERT = _ ∥ ∩ INVERT -18" RCF ∕— 8" SSP INV. = 815.15-----810 WATER LINE-805 800 -795 0 + 000+50 1 + 502+50 3+00 3+50 4+00 1+00 2+00

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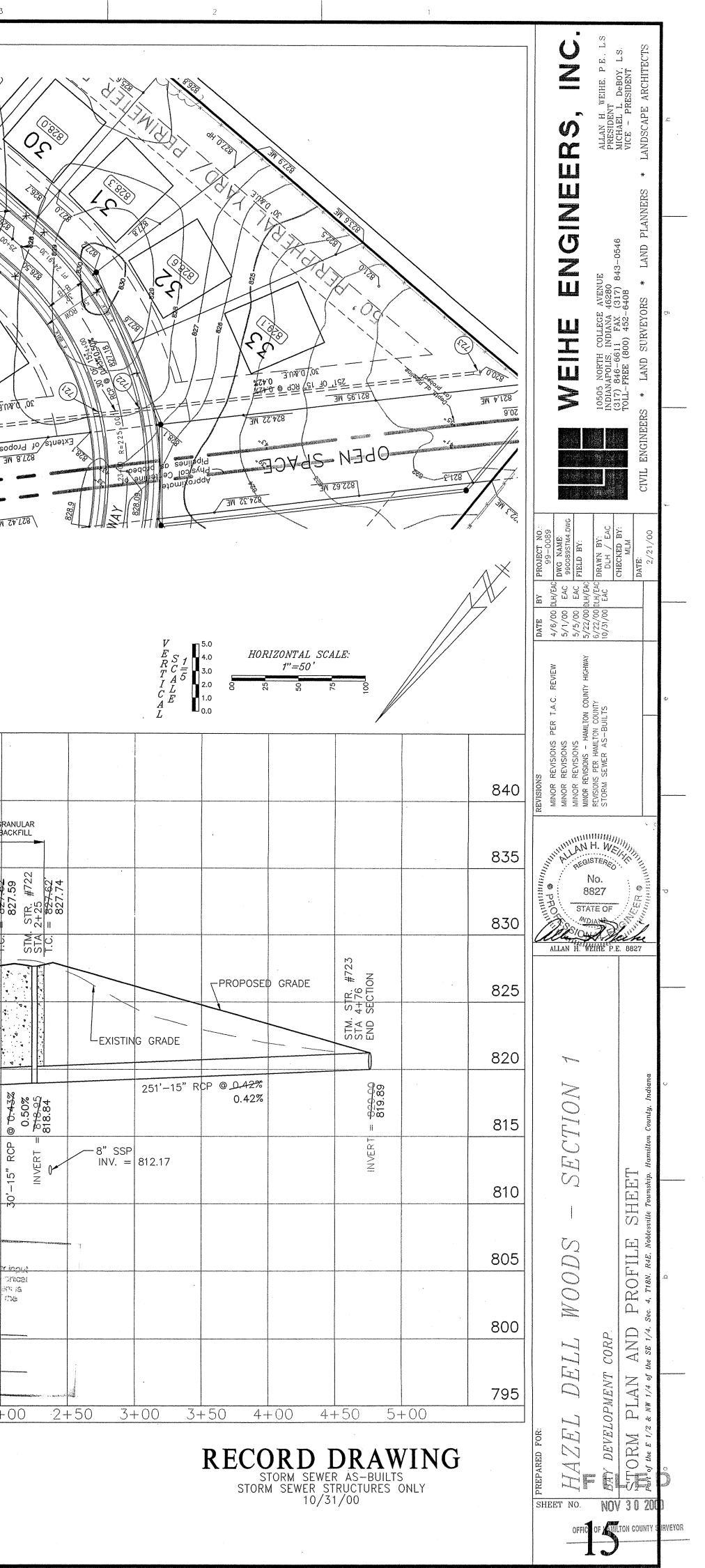
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FUTURE SECTION THREE C C C C C C C C C C C C C C C C C C	
	B30         B30
800 <td>Zentry Date:         G-17-09         OOM         OUM         OUM         OUM         OUM         OUM         OUM</td>	Zentry Date:         G-17-09         OOM         OUM         OUM         OUM         OUM         OUM         OUM

LEGEND = RIGHT-OF-WAY LINE = STORM SEWER LINE = SWALE SANITARY SEWER LINE
 SANITARY SEWER MANHOLE
 SANITARY SEWER LATERAL = FLOW DIRECTION= FLOW DIRECTION= EXISTING SPOT ELEVATION= EXISTING CONTOURS000.0 = PROPOSED ELEVATION = STORM BEEHIVE INLET = STORM INLET = TOP OF CASTING T.C. = INVERT INV = REINFORCED CONCRETE PIPE RCP M.H. = MANHOLE STR. = STRUCTURE D. & U.E. = DRAINAGE AND UTILITY EASEMENT S.D. & U.E. = SANITARY, DRAINAGE, AND UTILITY EASEMENT - 40, OL 12, BOD @ 0.00% -0.24% = SANITARY SEWER SAN 821.0 20, 0.8 JAG. = HANDICAP RAMP H.C. MANDICAP NAMP
 MATCH EXISTING GRADE
 SUBSURFACE DRAIN AND SUMP LINE
 STORM SEWER M.E. -----12, OF 30" ROP @ 1.33% STM = GRANULAR BACKFILL -----128 = CONCRETE END SECTION  $\triangleleft$ 181, OE 30, BCb @ 03454138 = = = 22502050/0 S.S.D. = SUBSURFACE DRAIN S.S.P. = SANITARY SEWER PIPE S.S.P.(D.I.) = SANITARY SEWER PIPE (DUCTILE IRON) X D8 29  $\nabla$ = NORMAL POOL ELEVATION 000.0 = PROPOSED PAD ELEVATION MPE TYP. = MINIMUM PAD ELEVATION = TYPICAL = PROPOSED ×??. PROP. = EXISTING EX. = RADIUS = BURIED PIPELINE MARKER ~ (1)4 104 200 - E -= AS-BUILT SUBSURFACE DRAIN LATERAL HORIZONTAL SCALE: 1"=50' 835 835 835 830 830 830 R. + 824. 824. S t STM. STA. 825 105 825 825 PROPOSED GRADE STM. STR. # STA 1+86 T.C. = 820.1 820.1 STM. STR. #765 STA 2+01 ND SECTION # 820 820 820 EXISTING GRADE . 815 815 815 187'-30" RCP @ 0.97% 815.76 815.76 815.82 242 1.33 815.96 815.96 810 810 810 813.9 0 N CP 805 805 805 800 800 800 795 795 795 790 790 790 -0+50 0+00 0+50 1+00 1+50 2+00

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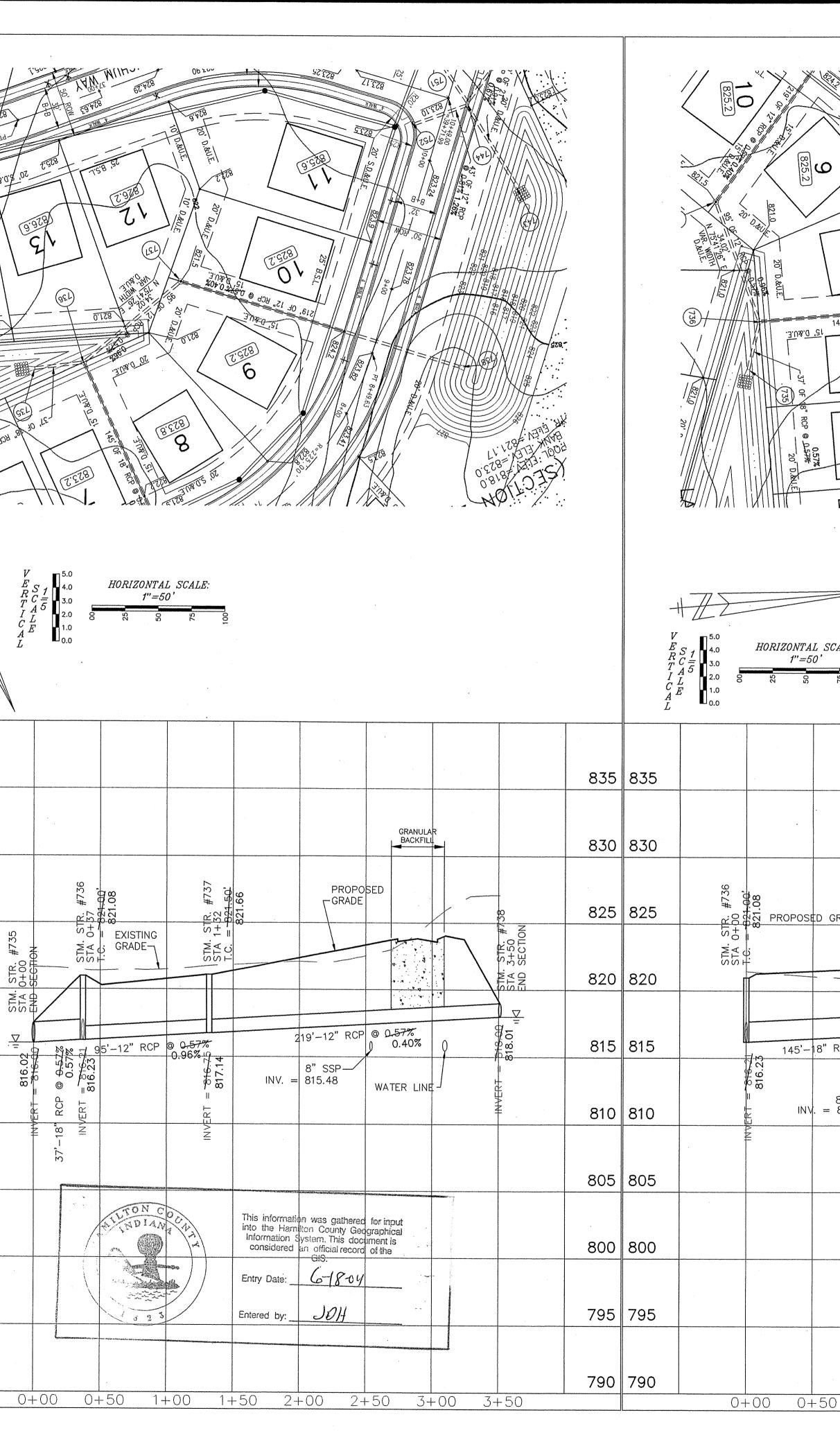
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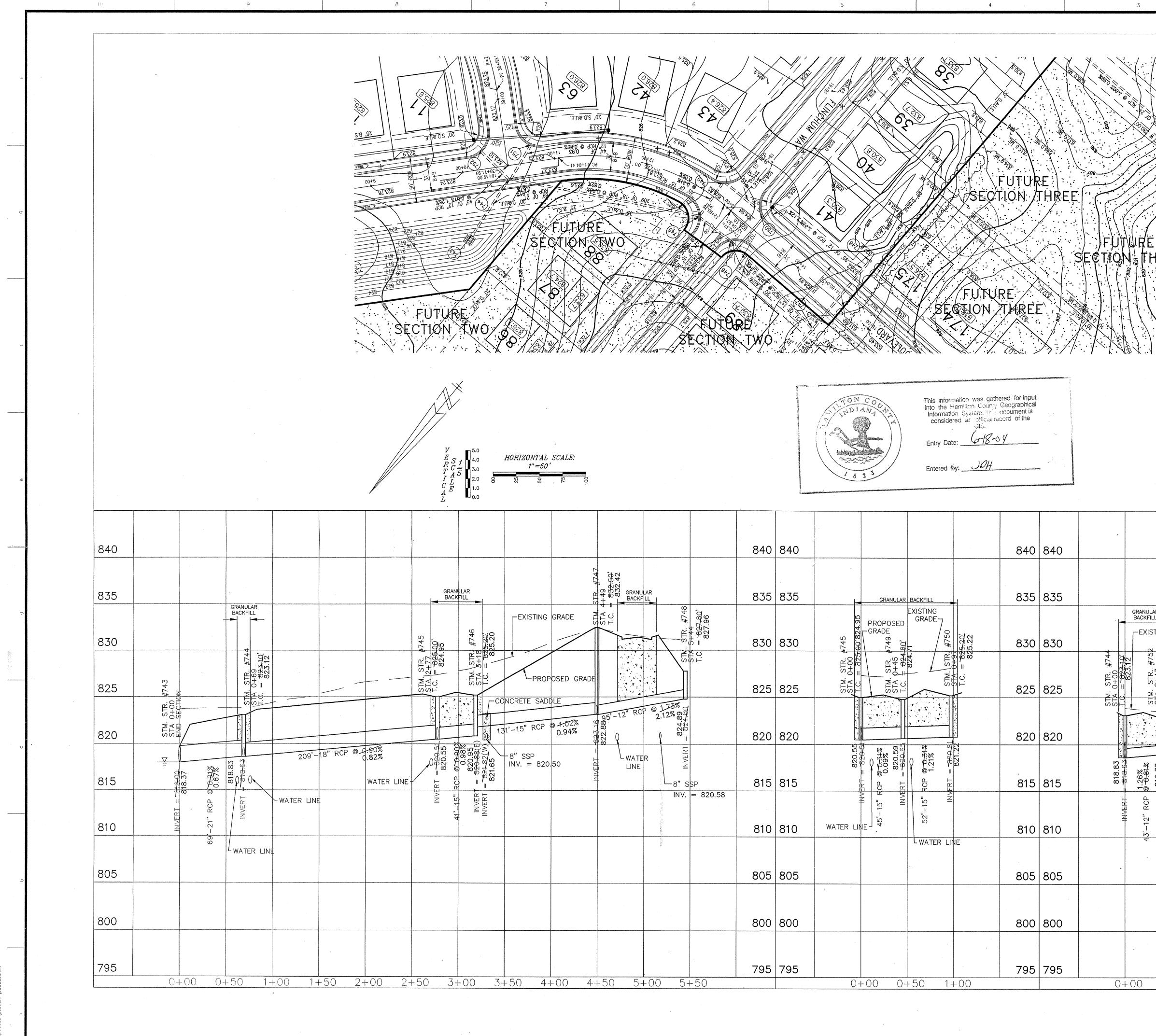
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$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	5 4 65 6 5 6 5 6 5 6 5 6 5 6 6 6 6	ESTING 125-06-18" REP @ 0.50% 125-06-18" REP @ 0.50% 125-06-18" REP @ 0.50% 125-06-18" REP @ 0.50% 124-3 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12-12 12-12		WEIHE ENGINEERS, INC. VEIHE ENGINEERS, INC. 10505 NORTH COLLEGE AVENUE 10505 NORTH
CALE:			835	REVISIONS     EVISIONS     PROJECT NO.:       MINOR REVISIONS PER T.A.C. REVIEW     4/6/00     DLH/EAC     99-0089       MINOR REVISIONS     FR T.A.C. REVIEW     4/6/00     DLH/EAC     99-0089       MINOR REVISIONS     FRVISIONS     5/1/00     EAC     9900895TM6.DWG       MINOR REVISIONS     HAMILTON COUNTY HIGHWAY     5/5/00     DLH/EAC     9900895TM6.DWG       MINOR REVISIONS     HAMILTON COUNTY HIGHWAY     5/22/00     DLH/EAC     9900895TM6.DWG       REVISIONS FER HAMILTON COUNTY     5/22/00     DLH/EAC     DRAW     BY:       STORM SEWER AS-BUILTS     10/31/00     EAC     DLH/EAC     DLH/EAC       MILM     2/21/00     EAC     DLH/EAC     DLH/EAC
BACKFILL     BACKFILL       BACKFILL     B	821. STA 2+07 T.C. = 82 T.C. = 82	© 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	NO. BB27 STATE OF ALLAN H. WEIHE P.E. 8827
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	2+00 2+50 <b>ECORD I</b> STORM SEWER STORM SEWER STF 10/31	3+00 3+50 <b>DRAWING</b> AS-BUILTS RUCTURES ONLY /00	790	PREPARED FOR: HAZEL DELL PAY DEVELOPMENT CORP BAY DEVELOPMENT CORP POST OF NOV OLEICIOL HANTLON CORP. POST OF NOV POST OF NOV P

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ANULAR CKFILL EXISTING	CRADE	8 <u>3</u> 5	835	EXISTING	GRANULAR BACKFILL ROPOSED GRADE		835	and a state of the	NO. 8827	NELITE ED DE	COMPARING ST
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RCP 0-20% 819.37 ERT = 819.37		815	815	818.83			815		SECTION		<b>E</b> •
43'-12" RCP INVERT		810	810		4'-12"		810		Š		SHEET
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