

Drain: CANAL PLACE DRAIN -317
Improvement: WEATHERSTONE -SECTION 2
Operator: JDH
Date: 10-10-03
YR OF CONST. 1999

GIS Drain Input Checklist

- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JRH 10-10
- Digitize & Attribute SSD JRH 10-13
- Digitize & Attribute Open Ditch N/A
- Sum drain lengths & Validate JRH 10-13
- Enter Improvements into Posse JRH 10-13
- Enter Drain Age into Posse JRH 10-21
- Sum drain length for Watershed in Posse JRH 10-21
- Stamp Plans JRH 10-13
- Pull Source Documents for Scanning JRH 10-13

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

Drain-Improvement: CANAL PLACE DRAIN - WEATHERSTONE - SECTION 1

Drain Type:	Size:	Length (Source Docs)	Length (Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	7858'	7858'	∅		
RCP	12"	1036.23'	936.23'	-100		
	15"	1157.56	1097.56	-60		
	18"	1053.01	1053.15	+14		
	21"	604.22	604.22	∅		
	24"	1123	1123	∅		
	27"	705.23	705.23	∅		
	30"	659.8	659.8	∅		

Sum: 14,197.05 14,037.19

Final Report: _____



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

To: Hamilton County Drainage Board

August 3, 1999

Re: Canal Place Drain, Weatherstone Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Weatherstone Arm, Canal Place Drain. 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 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	7,554 ft	18"	RCP	1,060 ft	27"	RCP	756 ft
12"	RCP	802 ft	21"	RCP	610 ft	30"	RCP	688 ft
15"	RCP	1,127 ft	24"	RCP	1,129 ft			

The Total length of the drain will be ^{12,176}6,172 feet.

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 \$50.00 per lot, \$5.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,256.50.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 - 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 easement widths as shown on the secondary plat for Weatherstone as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 27, 1999.



Kenton C. Ward
Hamilton County Surveyor

KCW/llm

TO: HAMILTON COUNTY DRAINAGE BOARD
% Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of Weatherstone Subdivision, *Arm to*
~~Section~~ Canal Place 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 Weatherstone, 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 for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

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 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.

Allen E Rosenberg

Signed

Allen E. Rosenberg

Printed Name

Signed

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE

Marina Limited Partnership

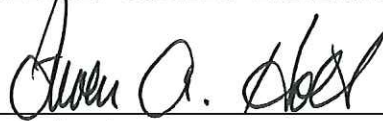
FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE
Canal Place Drain, Weatherstone Arm

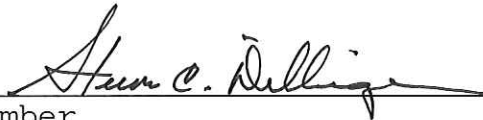
On this *27th day of September 1999*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Canal Place Drain, Weatherstone Arm*.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest:



CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: Hamilton County Surveyor

FROM: Paul I. Cripe, Inc.

SUBJECT: Weatherstone Subdivision

I hereby certify that

- 1) I am familiar with the plans and specifications for the above referenced project,
- 2) I have personally observed the completion of the above referenced project, and
- 3) To the best of my knowledge, information and belief, the above referenced project has been performed and completed in conformity with all plans and specifications, except as shown on "Record Drawings"

Signature Joseph A. Sharp Date 5-25-2000

Type or Printed Name Joseph A. Sharp

Business Address 7172 Graham Road
Indianapolis, IN 46250

Telephone (317) 842-6777

Seal Indiana Registration Number
15179

FILED

MAY 25 2000

OFFICE OF HAMILTON COUNTY SURVEYOR

ADM:t1
1/13/84



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

To: Hamilton County Drainage Board

October 10, 2003

Re: Canal Place Drain: Weatherstone Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Weatherstone Sec. 1 Arm. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated August 3, 1999. The report was approved by the Board at the hearing held September 27, 1999. (See Drainage Board Minutes Book 5, Pages 222-223)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
715	833.13	828.13				
714	833.97	824.87	18	429.66	433	-3.34
714	833.97	824.87				
713A	830.07	823.97	18	60.75	63	-2.25
713A	830.07	823.97				
713	830.08	819.98	18	267.18	267	0.18
713	830.08	819.98				
712	827.06	813.81	21	123.93	128	-4.07
712	827.06	813.81				
711	826.89	813.29	24	78.03	70	8.03
711	826.89	813.27				
710	822.96	811.78	27	130.61	135	-4.39
710	822.96	811.58				
709	820.23	810.18	27	131.51	135	-3.49
709	820.23	810.18				
708	819.01	809.61	27	59.06	53	6.06
708	819.01	809.61				
707	811.82	807.22	27	154.44	159	-4.56
750	823.45	815.75				
710	822.98	811.83	12	181.76	50	131.76
710	822.98	811.68				
751	822.95	818.95	12	110.99	110	0.99
712	827	814				

752	826	820	12	Not	Constructed	-100
733	832.97	829.92				
732	835.25	828.95	12	306.76	305	1.76
732	835.25	828.95				
731	837.42	827.97	15	129.3	130	-0.7
731	837.42	827.97				
730	837.73	826.98	15	104.8	106	-1.2
730	837.73	826.88				
729	837	826.05	18	104.14	106	-2
729	837	826.05				
728	833.76	825.01	18	191.42	191	0.42
728	833.76	824.71				
727	825.88	821.13	21	393.24	392	1.24
727	825.88	821.08				
726	824.76	820.53	21	36.96	44	-7.04
726	824.76	820.53				
725	824.65	820.05	21	28.32	20	8.32
725	824.65	820.05				
724	825.56	819.46	21	21.77	26	-4.23
724	825.56	818.86				
723	824.99	818.14	24	123.19	119	4.19
723	824.99	818.14				
722	822.28	816.33	24	153.72	161	-7.28
722	822.28	816.33				
721A	821.55	814.5	24	83.99	85	-1.01
721A	821.55	814.5				
721	823.42	813.87	24	67.57	67	0.57
738	828.68	823.94				
737	828.27	823.55	12	61.08	60	1.08
737	828.27	823.52				
736	828.12	822.92	12	31.31	23	8.31
736	828.12	822.9				
735	828.71	822.21	15	32.72	38	-5.28
735	828.71	822.06				
724	825.56	819.36	15	193.01	194	0.99
723	825	818				
734	823.5	819	15	Not	Constructed	-60
724	825.56	819.36				
740	827.98	821.03	15	136.37	137	-0.63
740	827.98	821.08				
741	830.12	821.57	15	85.55	85	0.55
741	830.12	821.67				
742	825.97	822.17	15	115.66	114	1.66
740	827.98	822.03				
743	827.34	823.09	12	62.11	60	2.11
728	833.76	825.11				
744	835.45	829.75	15	153.12	157	-3.88
744	835.45	829.75				

745	835.48	830.53	12	32.96	29	
745	835.48	830.53				
746	835.52	830.87	12	58.49	52	6.49
748	835.82	832.17				
747	836.2	831.47	12	48.15	42	6.15
747	836.2	831.47				
747A	836.39	831.34	15	26.5		
747A	836.39	831.34				
730	837.73	826.93	15	120.53	144	-23.47
748	835.82	832.17				
749	836.22	832.52	12	42.62	43	-0.38
707	812	807.22				
706	807		27	229.61	86	143.61
706	807					
705	811.9		30	319	320.38	-1.38
705	811.9					
704	811.98		30	41.8	38.35	3.45
704	811.98					
703	811.92		30	24	35.35	-11.35
703	811.92					
702	805.49		30	165.5	155.58	9.92
702	805.49					
701		784.88	30	109.5	135.95	-26.45
721	823.15	813.5				
720	821.1	806	24	176		
720	821.1	806				
719	820.23	805	24	26.4	29	2.6
719	820.23	805				
718	811.61	801.9	24	200.7	203	2.3
718	811.61	801.9				
717		784.77	24	213.4	219	5.6

6" SSD Streets:

Saddlestone Dr	1514.84
Hawkstone Dr	750.2
Ash Stone Ct	501.11
Stonegate Dr	865.17
Farmstead Dr	145.69
Ash Stone Culdesac	77.38
Hawkstone Dr Culdesac	74.57
x2	

Total: 7858

RCP Pipe Totals:

12	936.23
15	1097.56
18	1053.15
21	604.22
24	1123
27	705.23
30	659.8

Total: 6179.19

The length of the drain due to the changes described above is now **14,037.19 feet.**

The non-enforcement was approved by the Board at its meeting on September 27, 1999 and recorded under instrument #200000004039.

The bonds or letter of credits from Fifth Third Bank, number SB11667 and SB11665; dated July 1, 1999; in the amount of \$302,708 for storm sewers and ssd, and \$40,000 for erosion control; was released August 28, 2000.

I recommend the Board approve the drain's 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

Asbuilt Structures

Project: Canal Place - Weatherstone Arm
 Engineering Project #: Cripe 81100-20804

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

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
715	833.13	828.13				
714	833.97	824.87	18	429.66	433	-3.34
714	833.97	824.87				
713A	830.07	823.97	18	60.75	63	-2.25
713A	830.07	823.97				
713	830.08	819.98	18	267.18	267	0.18
713	830.08	819.98				
712	827.06	813.81	21	123.93	128	-4.07
712	827.06	813.81				
711	826.89	813.29	24	78.03	70	8.03
711	826.89	813.27				
710	822.96	811.78	27	130.61	135	-4.39
710	822.96	811.58				
709	820.23	810.18	27	131.51	135	-3.49
709	820.23	810.18				
708	819.01	809.61	27	59.06	53	6.06
708	819.01	809.61				
707	811.82	807.22	27	154.44	159	-4.56
750	823.45	815.75				
710	822.98	811.83	12	181.76	50	131.76
710	822.98	811.68				
751	822.95	818.95	12	110.99	110	0.99
712	827	814				
752	826	820	12	100		
733	832.97	829.92				
732	835.25	828.95	12	306.76	305	1.76
732	835.25	828.95				
731	837.42	827.97	15	129.3	130	-0.7
731	837.42	827.97				
730	837.73	826.98	15	104.8	106	-1.2
730	837.73	826.88				
729	837	826.05	18	104	106	-2
729	837	826.05				
728	833.76	825.01	18	191.42	191	0.42
728	833.76	824.71				
727	825.88	821.13	21	393.24	392	1.24
727	825.88	821.08				
726	824.76	820.53	21	36.96	44	-7.04
726	824.76	820.53				
725	824.65	820.05	21	28.32	20	8.32
725	824.65	820.05				
724	825.56	819.46	21	21.77	26	-4.23
724	825.56	818.86				
723	824.99	818.14	24	123.19	119	4.19
723	824.99	818.14				
722	822.28	816.33	24	153.72	161	-7.28

712
NEW
DATA ←

707
T.C.
NEW
DATA ←

712
OLD
DATA ←

752
NOT
INSTALLED ↓

NOTE: NO T.C. OR INU. FOR 707A

722	822.28	816.33				
721A	821.55	814.5	24	83.99	85	-1.01
721A	821.55	814.5				
721	823.42	813.87	24	67.57	67	0.57
738	828.68	823.94				
737	828.27	823.55	12	61.08	60	1.08
737	828.27	823.52				
736	828.12	822.92	12	31.31	23	8.31
736	828.12	822.9				
735	828.71	822.21	15	32.72	38	-5.28
735	828.71	822.06				
724	825.56	819.36	15	193.01	194	0.99
723	825	818				
734	823.5	819	15	60		
724	825.56	819.36				
740	827.98	821.03	15	136.37	137	-0.63
740	827.98	821.08				
741	830.12	821.57	15	85.55	85	0.55
741	830.12	821.67				
742	825.97	822.17	15	115.66	114	1.66
740	827.98	822.03				
743	827.34	823.09	12	62.11	60	2.11
728	833.76	825.11				
744	835.45	829.75	15	153.12	157	-3.88
744	835.45	829.75				
745	835.48	830.53	12	32.96	29	
745	835.48	830.53				
746	835.52	830.87	12	58.49	52	6.49
748	835.82	832.17				
747	836.2	831.47	12	48.15	42	6.15
747	836.2	831.47				
747A	836.39	831.34	15	26.5		
747A	836.39	831.34				
730	837.73	826.93	15	120.53	144	-23.47
748	835.82	832.17				
749	836.22	832.52	12	42.62	43	-0.38
707	812	807.22				
706	807		27	* 229.61	86	143.61
706	807					
705	811.9		30	319	320.38	-1.38
705	811.9					
704	811.98		30	41.8	38.35	3.45
704	811.98					
703	811.92		30	24	35.35	-11.35
703	811.92					
702	805.49		30	165.5	155.58	9.92
702	805.49					
701		784.88	30	109.5	135.95	-26.45
721	823.15	813.5				
720	821.1	806	24	176		
720	821.1	806				
719	820.23	805	24	26.4	29	2.6

NOT
INSTALLED

707
T.C
OLD
DATA
706
UP
INU
825.62

NOTE: NO T.C OR INU FOR 707A

* LENGTH OF 75' FROM 707 TO 707A
LENGTH OF 154.61 FROM 707A TO 706

719	820.23	805				
718	811.61	801.9	24	200.7	203	2.3
718	811.61	801.9				
717		784.77	24	213.4	219	5.6

6" SSD Streets:

Saddlestone Dr	1514.84
Hawkstone Dr	750.2
Ash Stone Ct	501.11
Stonegate Dr	865.17
Farmstead Dr	145.69
Ash Stone Culdesac	77.38
Hawkstone Dr Culdesac	74.57
x2	

Total: 7858

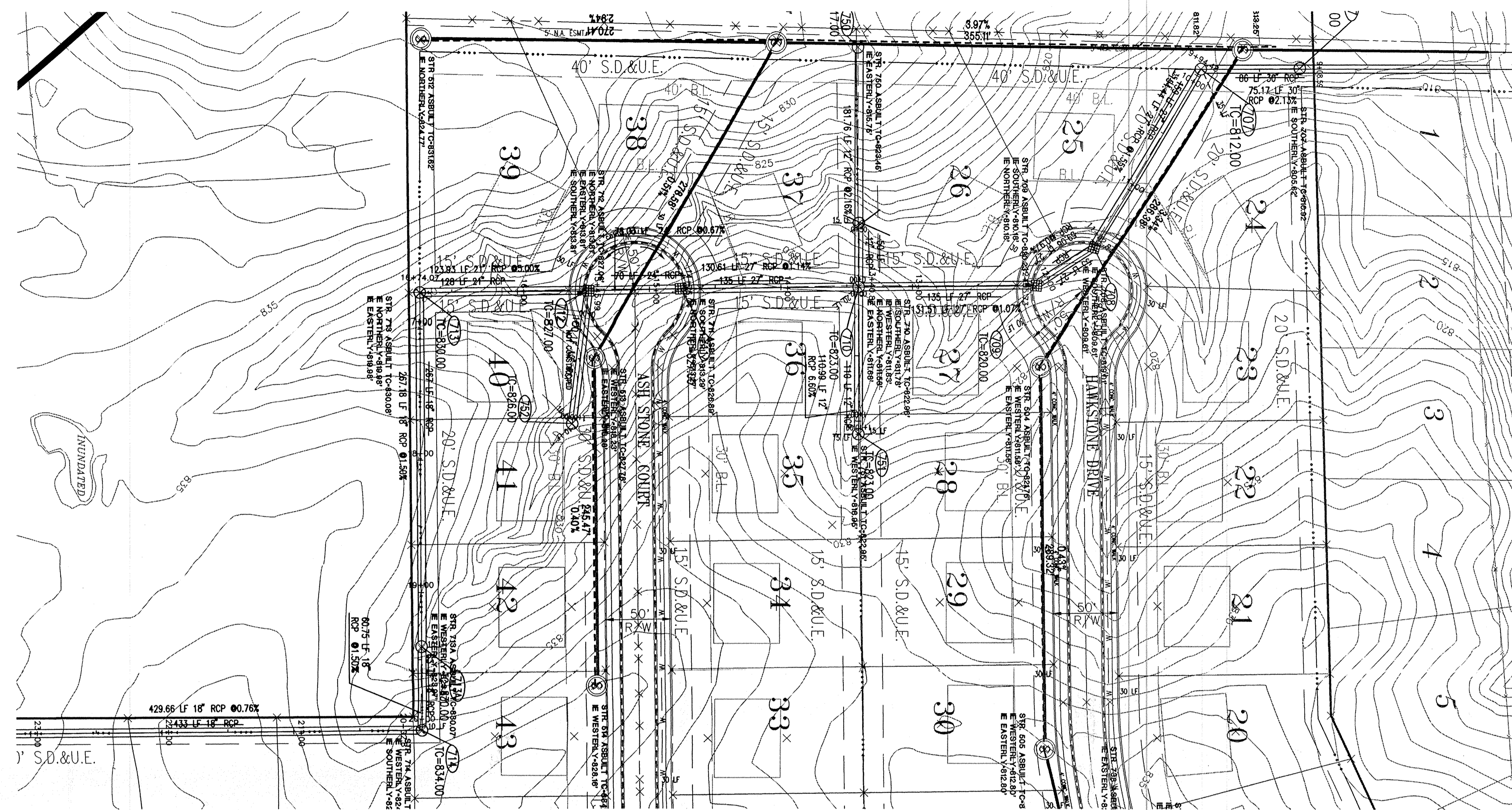
RCP Pipe Totals:

12	1036.23
15	1157.56
18	1053.01
21	604.22
24	1123
27	705.23
30	659.8

Total: 6339

Total Length of Drain:

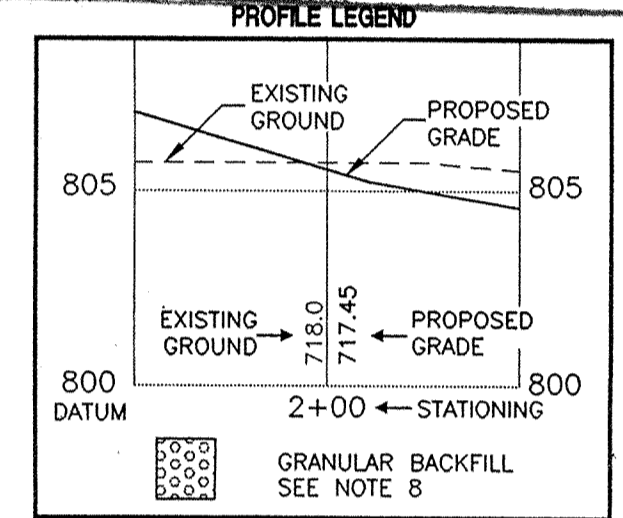
14,197



- STORM SEWER PLAN AND PROFILE NOTES:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE PAIRED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CASTING (T.O.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 0270 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C902.
 - PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.

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: 10-13-03
Entered by: JPH

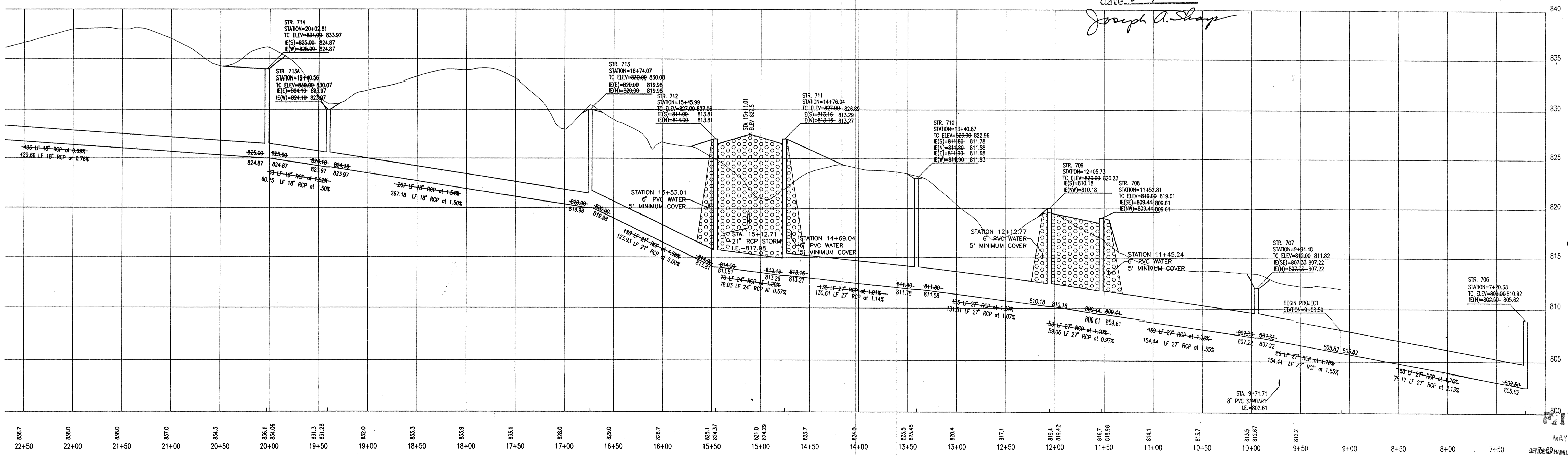


1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

CAUTION
LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE ON 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.

AS BUILT

date 3.9.00
Joseph A. Sharp



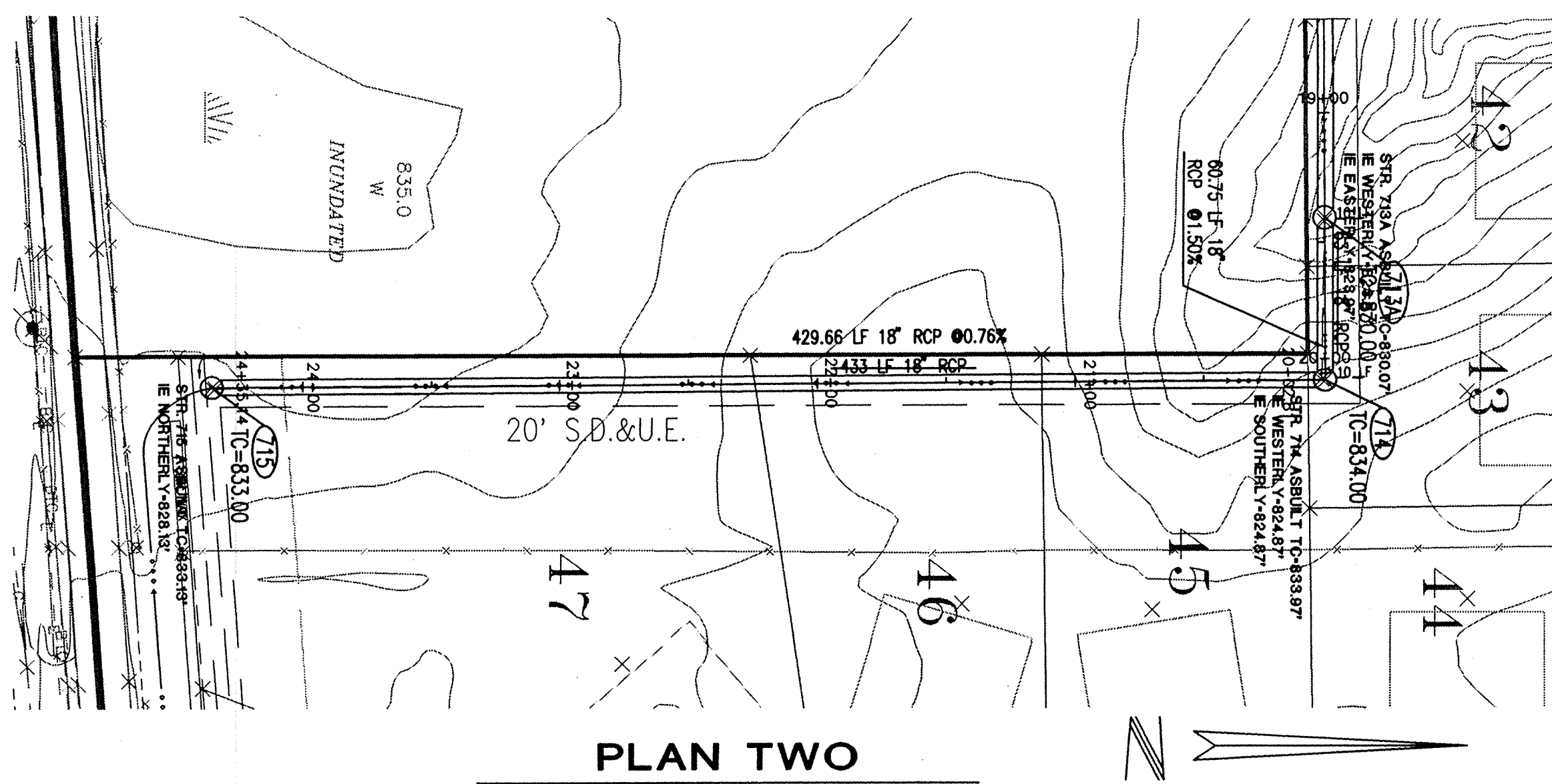
Revision	Mark	Date	Description
07-02-99	PP		REVISION: PIPE GRADE.

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(317) 841-4798
842-6777
E-Mail: picrife@picrife.com

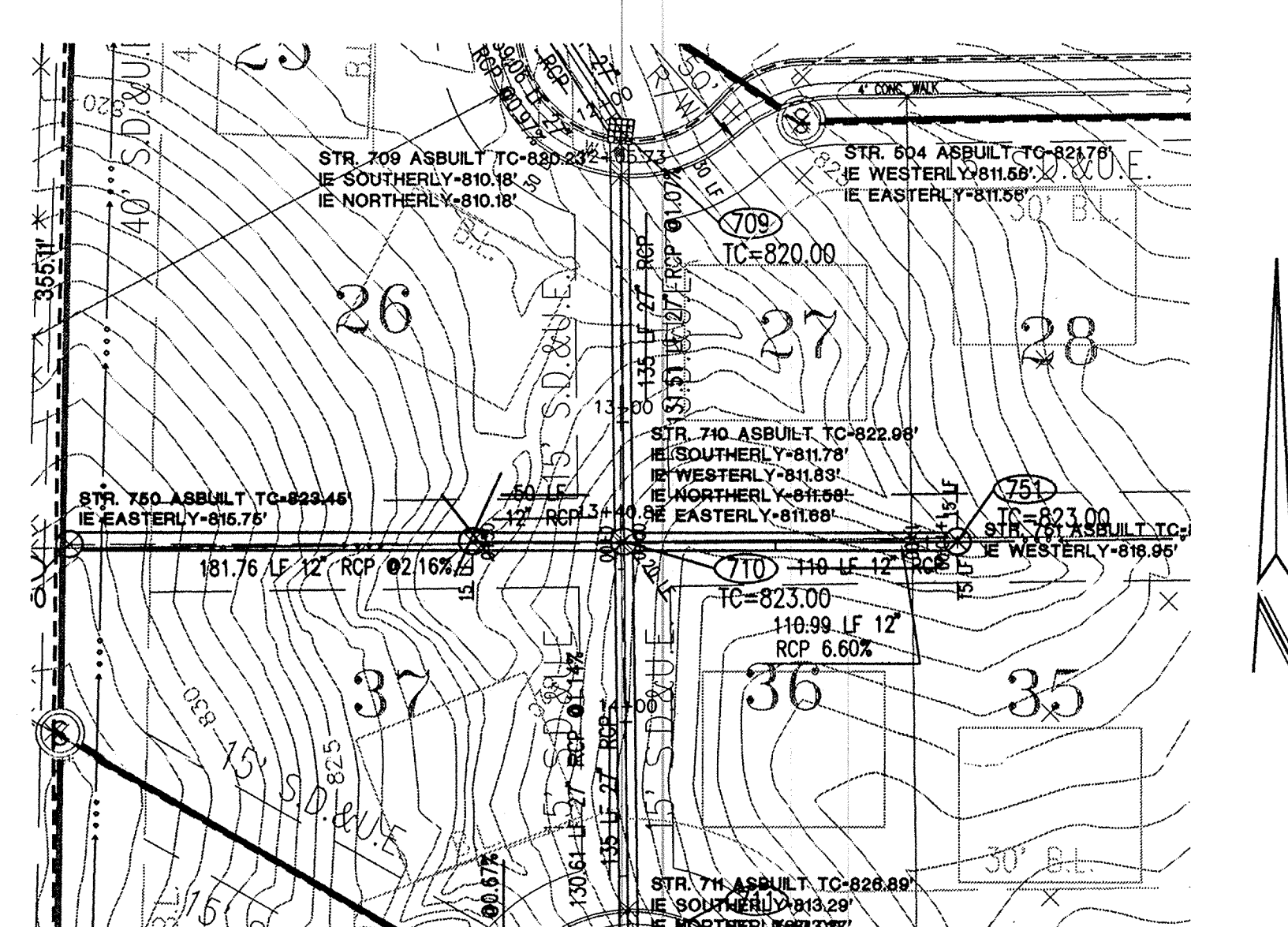
STORM PLAN AND PROFILE
WEATHERSTONE
MARINA LIMITED PARTNERSHIP
11691 FALL CREEK RD.
INDIANAPOLIS, IN 46256
PHONE: 846-0270
FAX: 846-0786

CERTIFIED BY:
JOSEPH A. SHARP
REGISTERED PROFESSIONAL ENGINEER
No. 15179
STATE OF INDIANA

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Checked By:
Quality Assurance:
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PROJECT NUMBER: 81100-20804

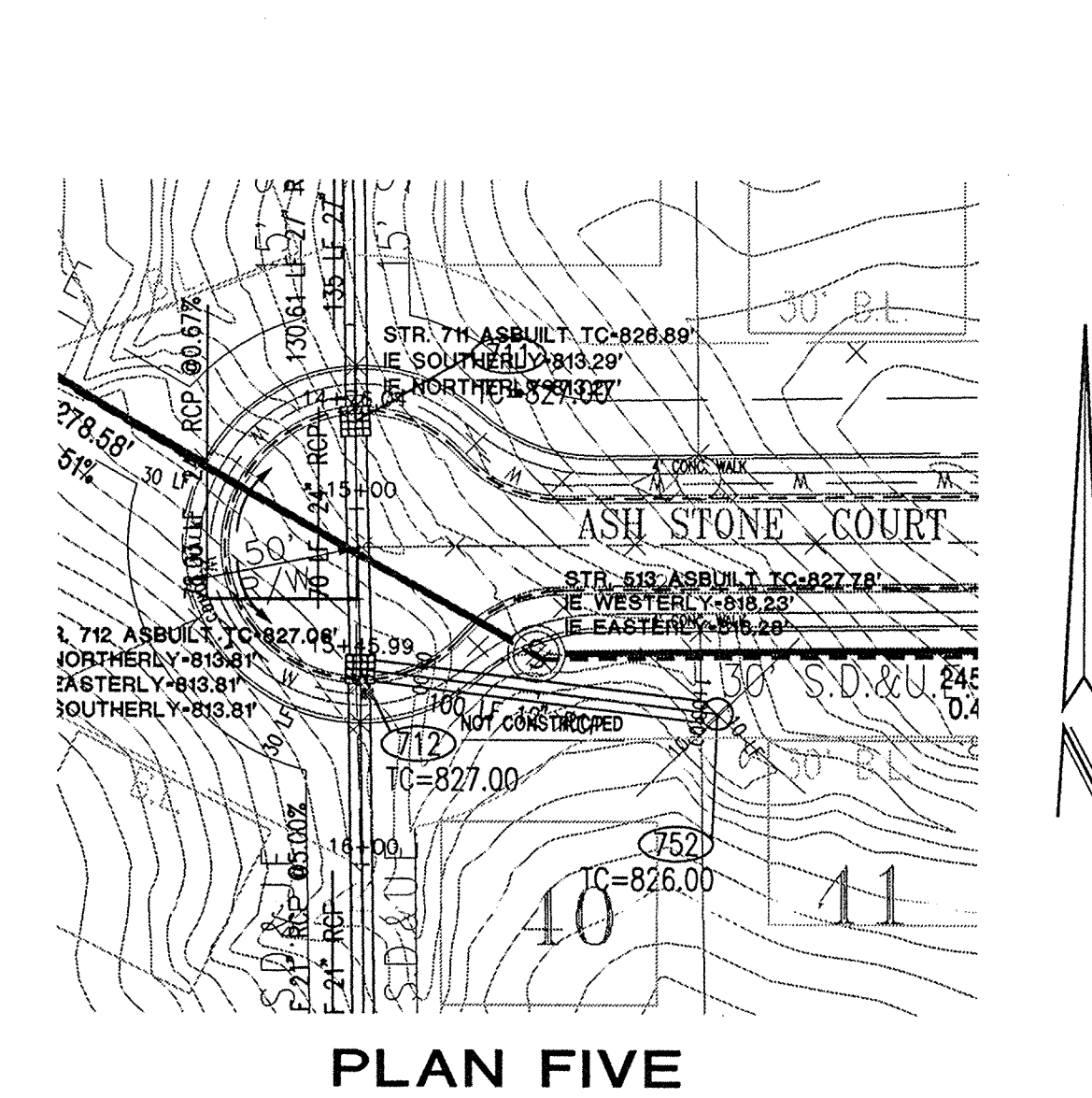


PLAN TWO



PLAN THREE

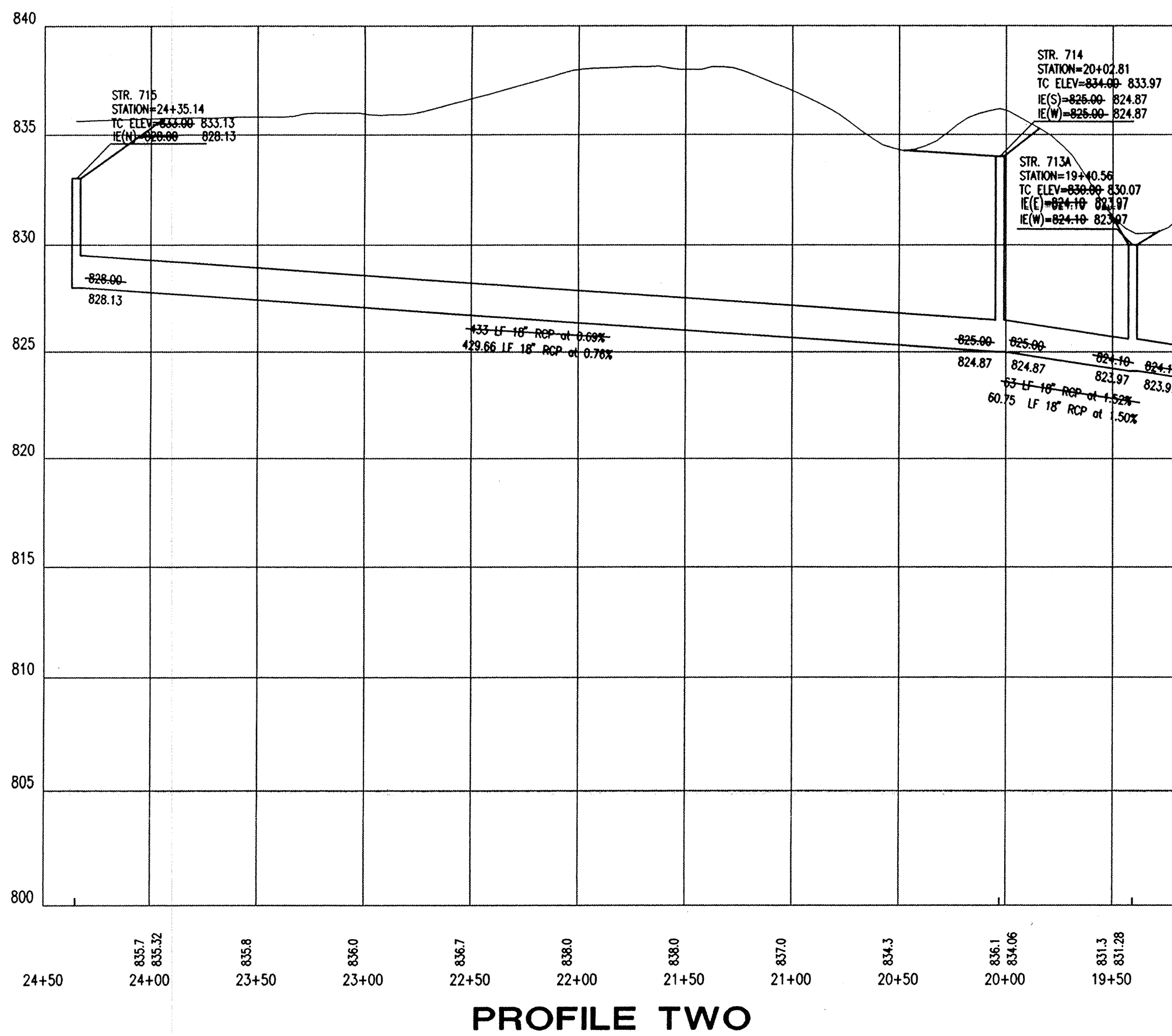
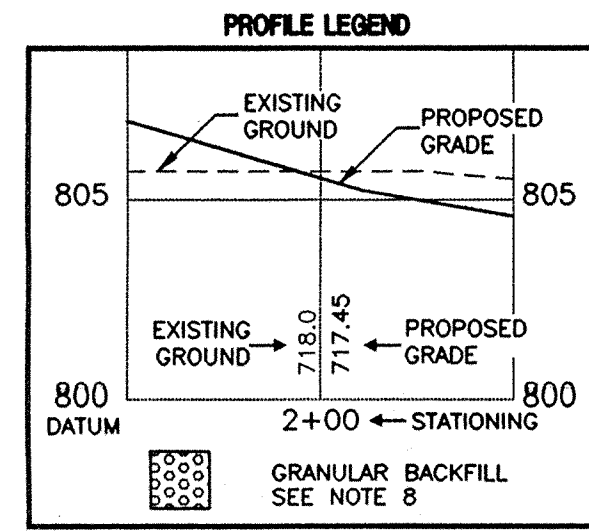
PLAN FOUR



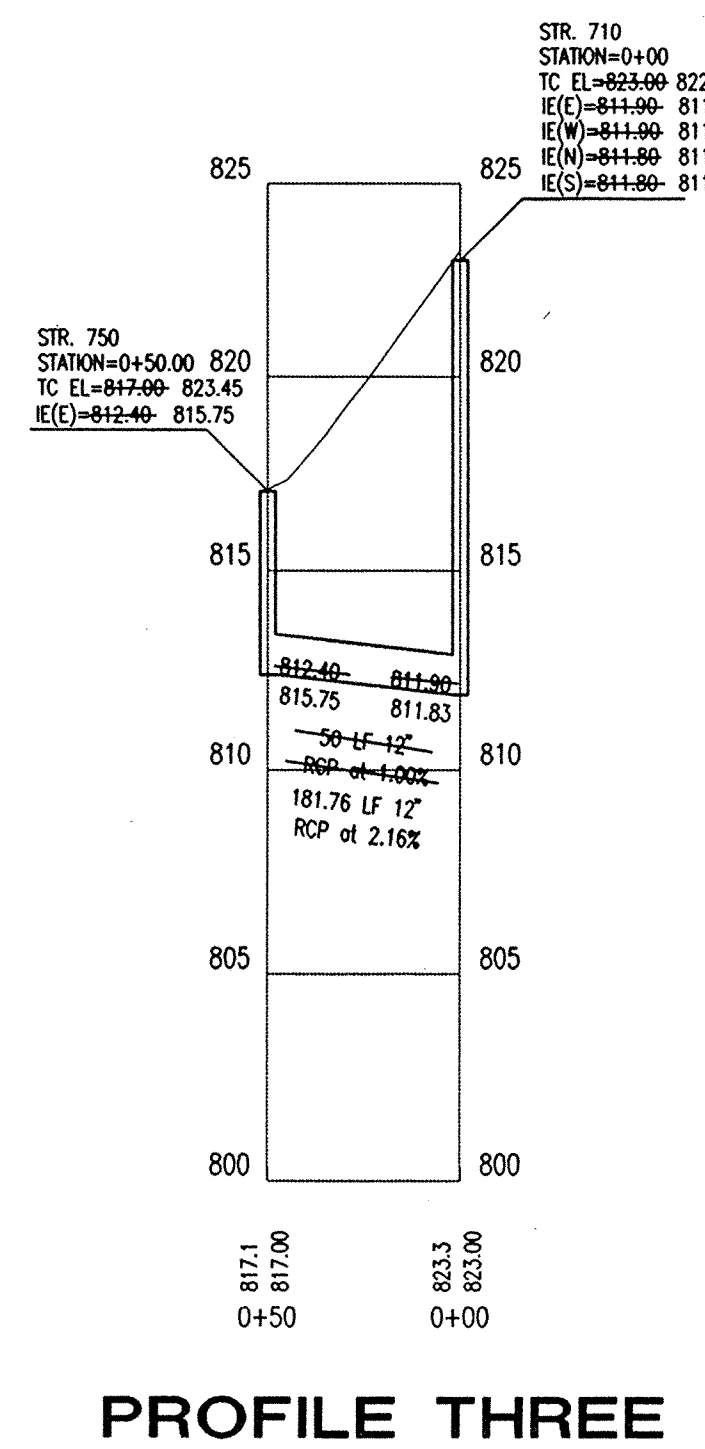
PLAN FIVE

STORM SEWER PLAN AND PROFILE NOTES:

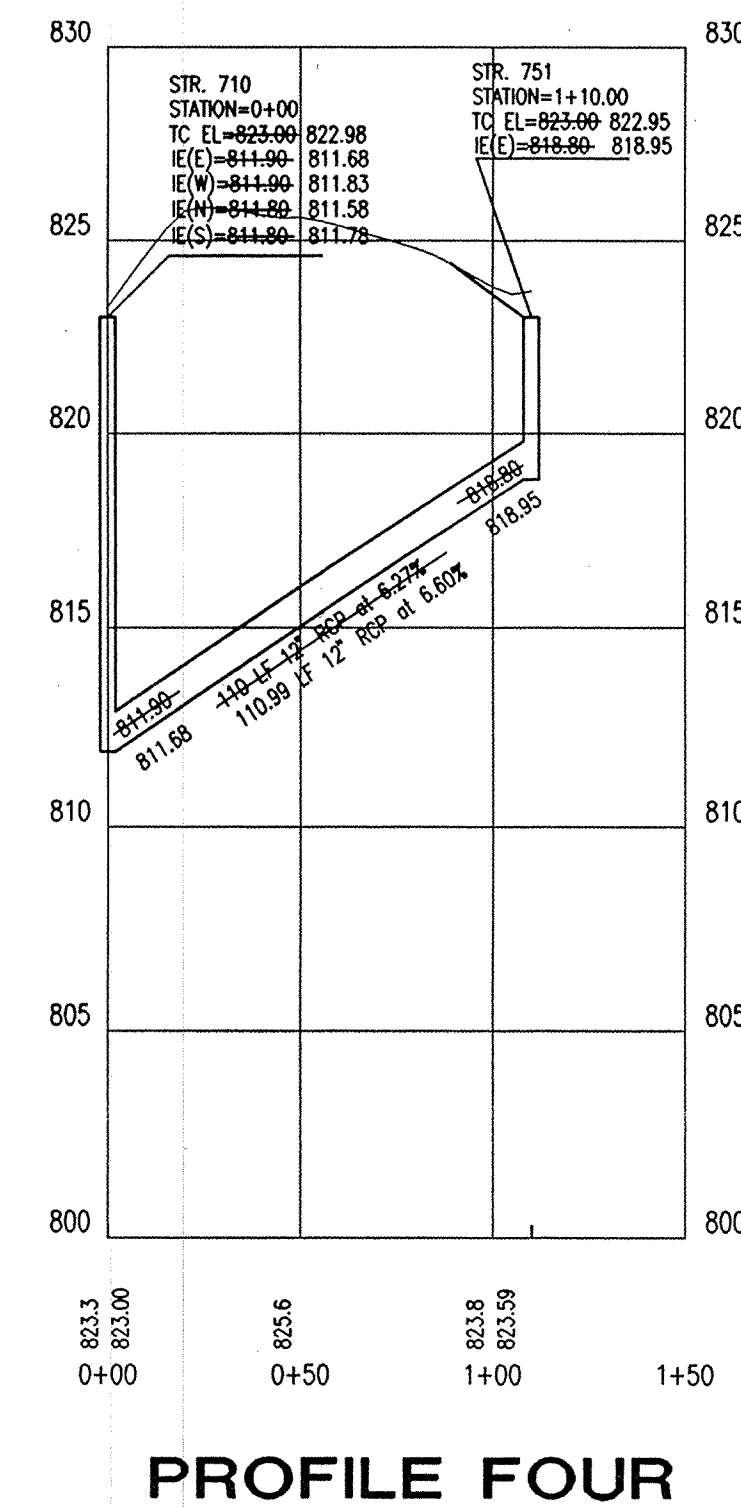
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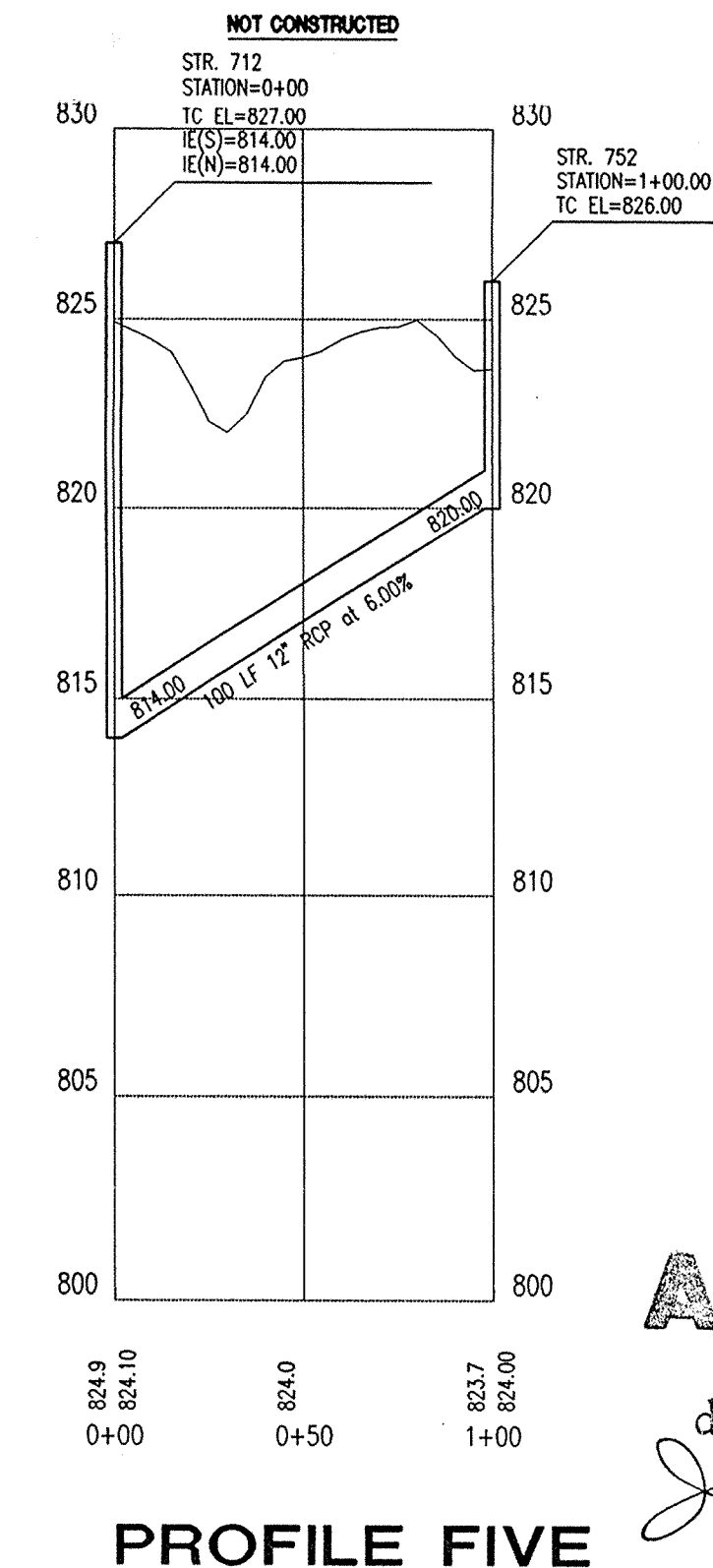
PROFILE TWO



PROFILE THREE



PROFILE FOUR



PROFILE FIVE

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CAUTION

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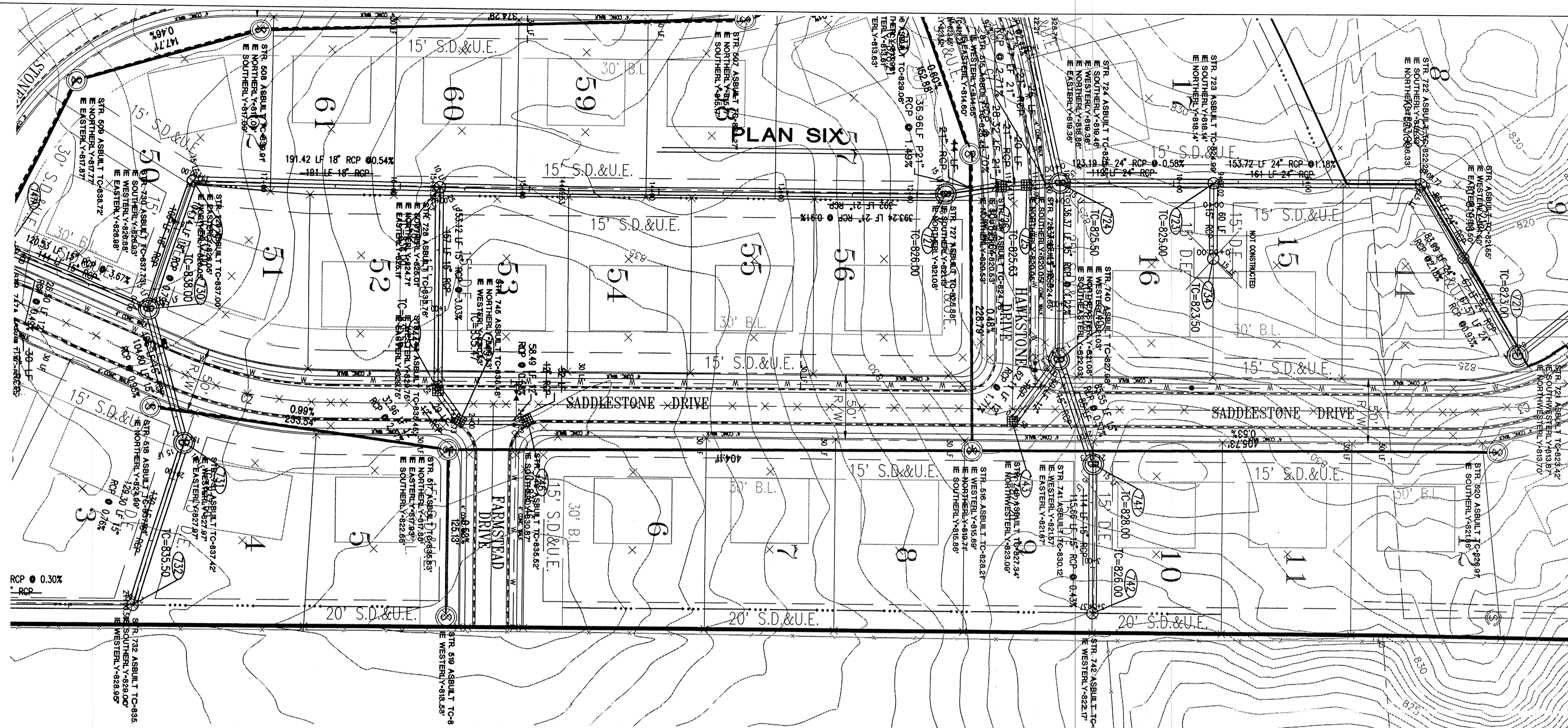
Architects, Engineers, Planners, Environmental Consultants, Transportation Engineers, Land Planners, Land Surveyors

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 WEATHERSTONE
 MARINA LIMITED PARTNERSHIP
 11691 FALL CREEK RD.
 INDIANAPOLIS, IN 46256
 PHONE: 845-0270 FAX: 845-0766

CERTIFIED BY: *Joseph A. Sharp*
JOSEPH A. SHARP
 REGISTERED PROFESSIONAL ENGINEER
 No. 15179
 STATE OF INDIANA

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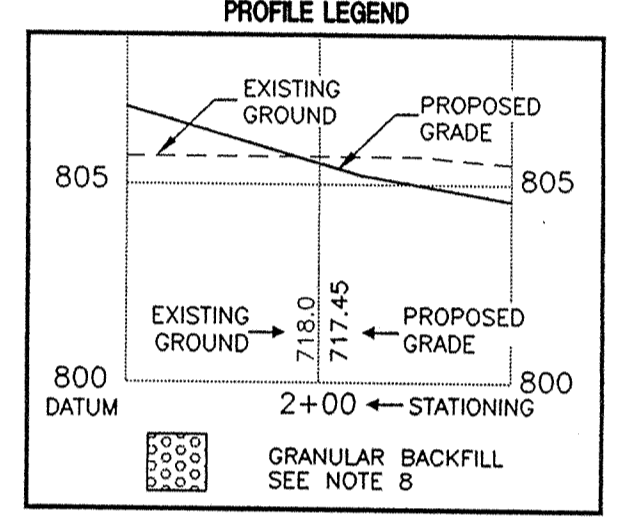


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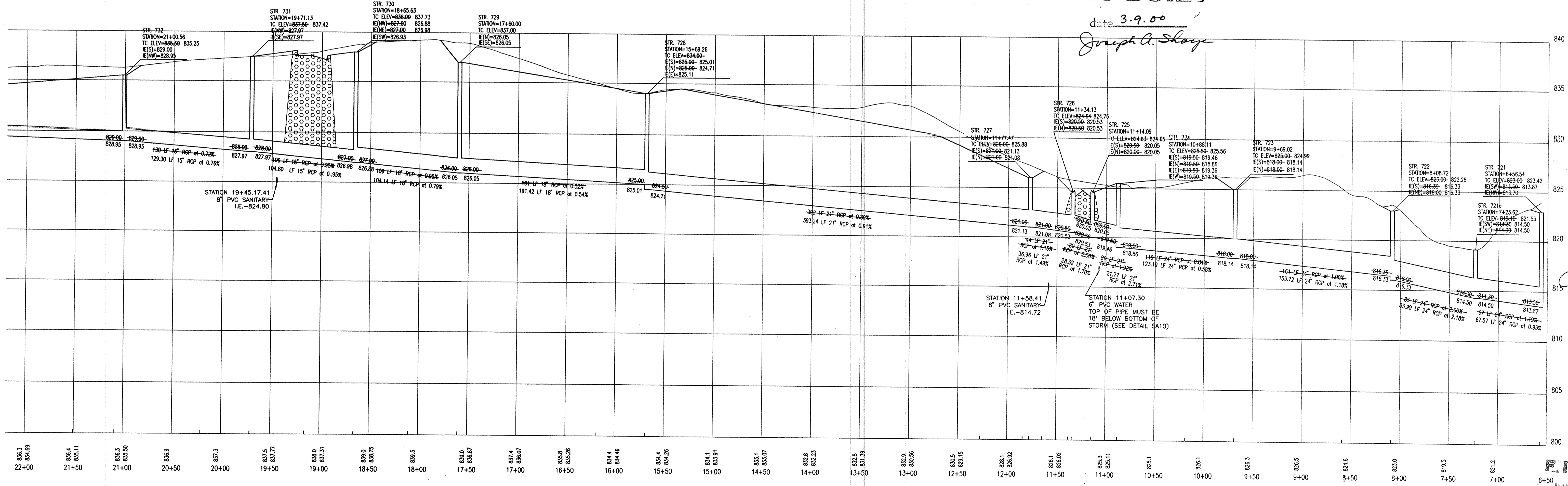


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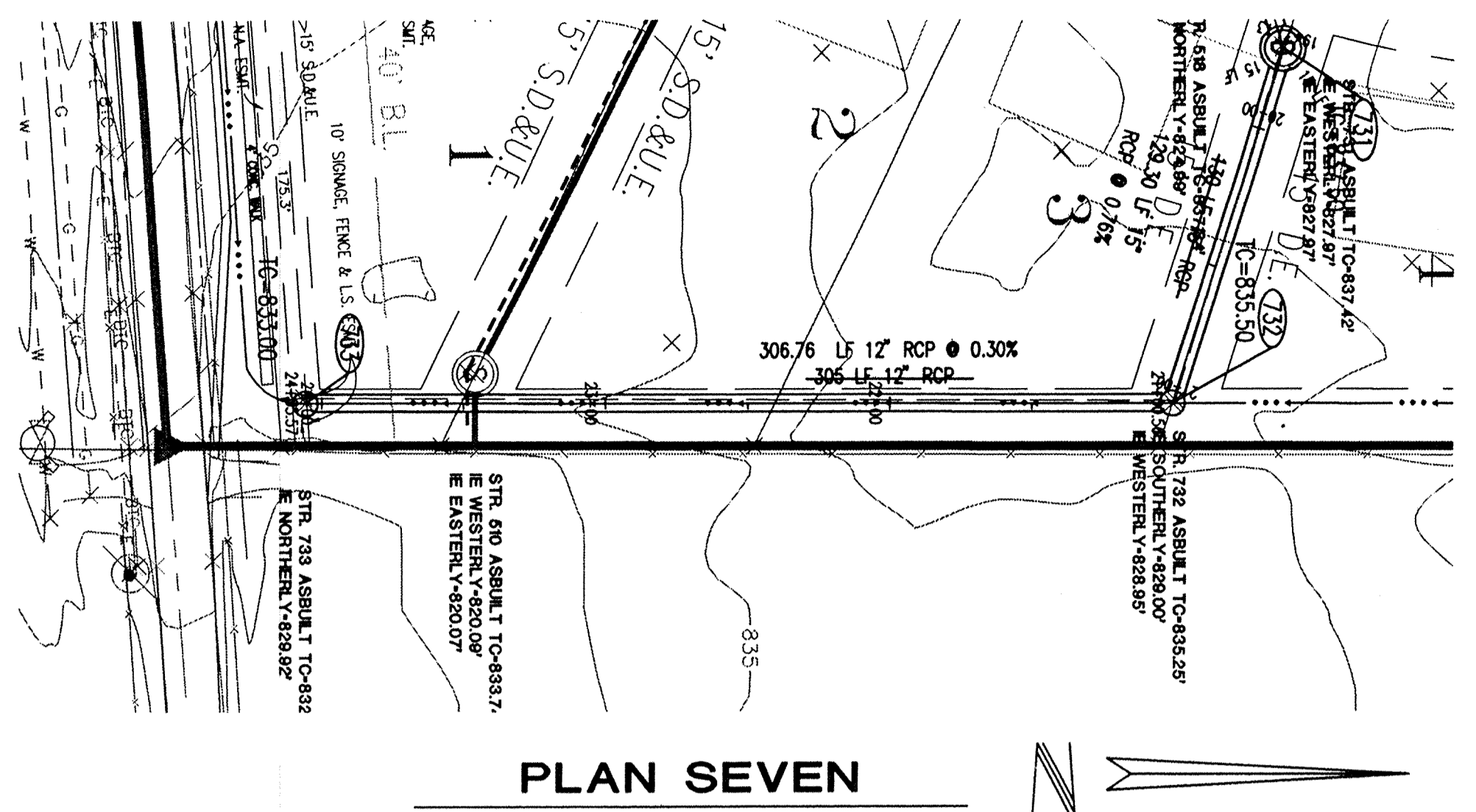
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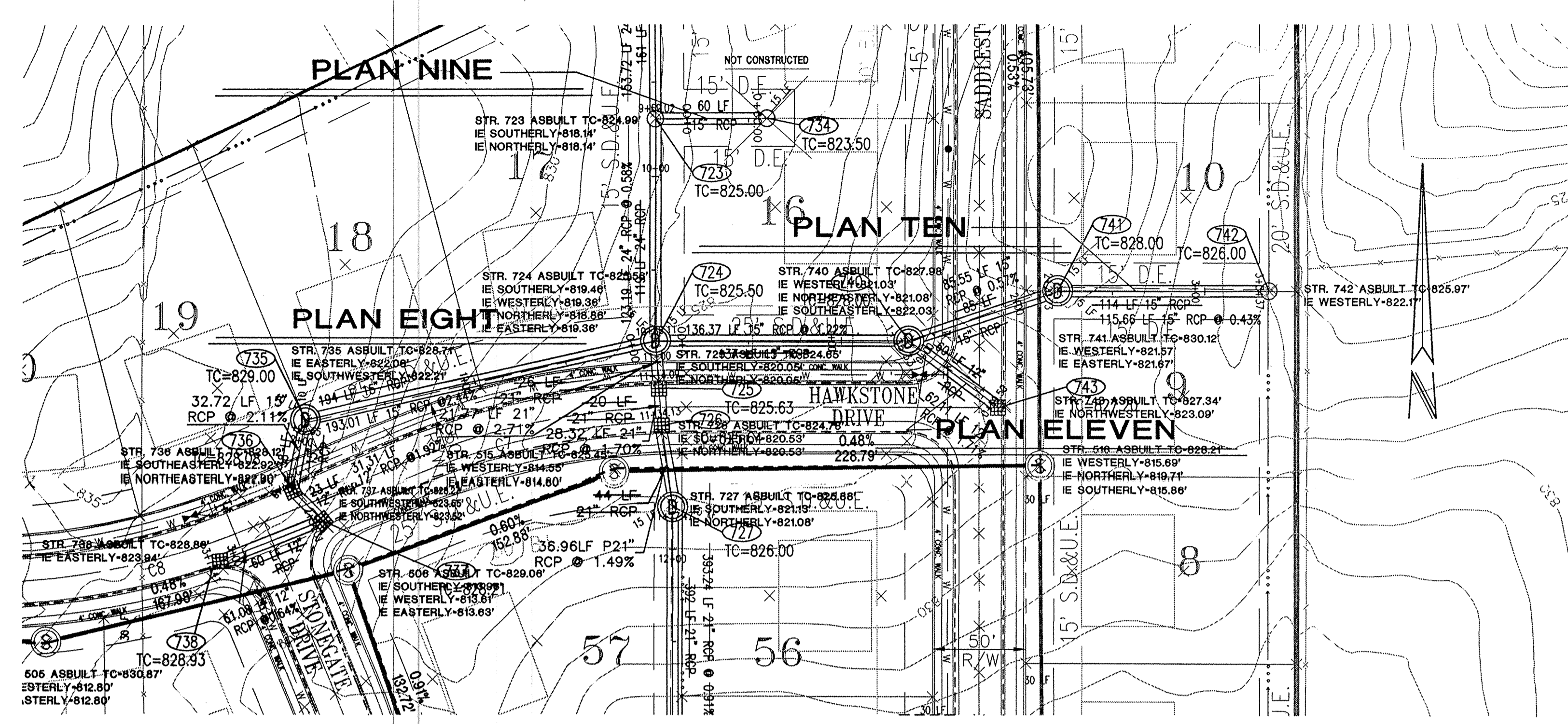
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REGISTERED PROFESSIONAL ENGINEER
No. 15179
STATE OF INDIANA

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PLAN SEVEN



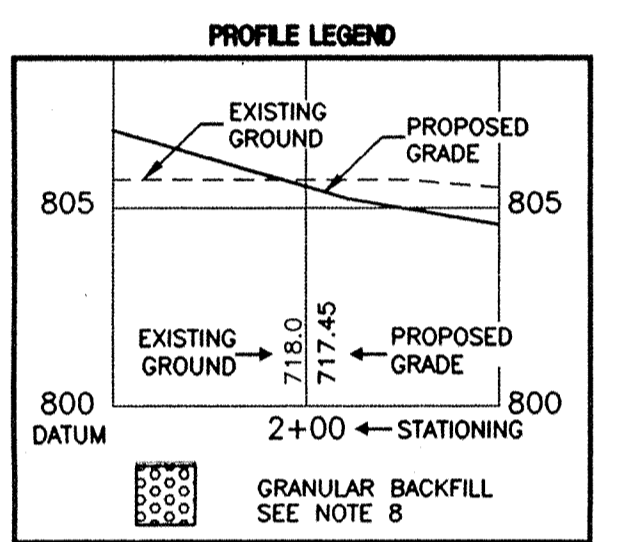
PLAN NINE

PLAN EIGHT

PLAN TEN

PLAN ELEVEN

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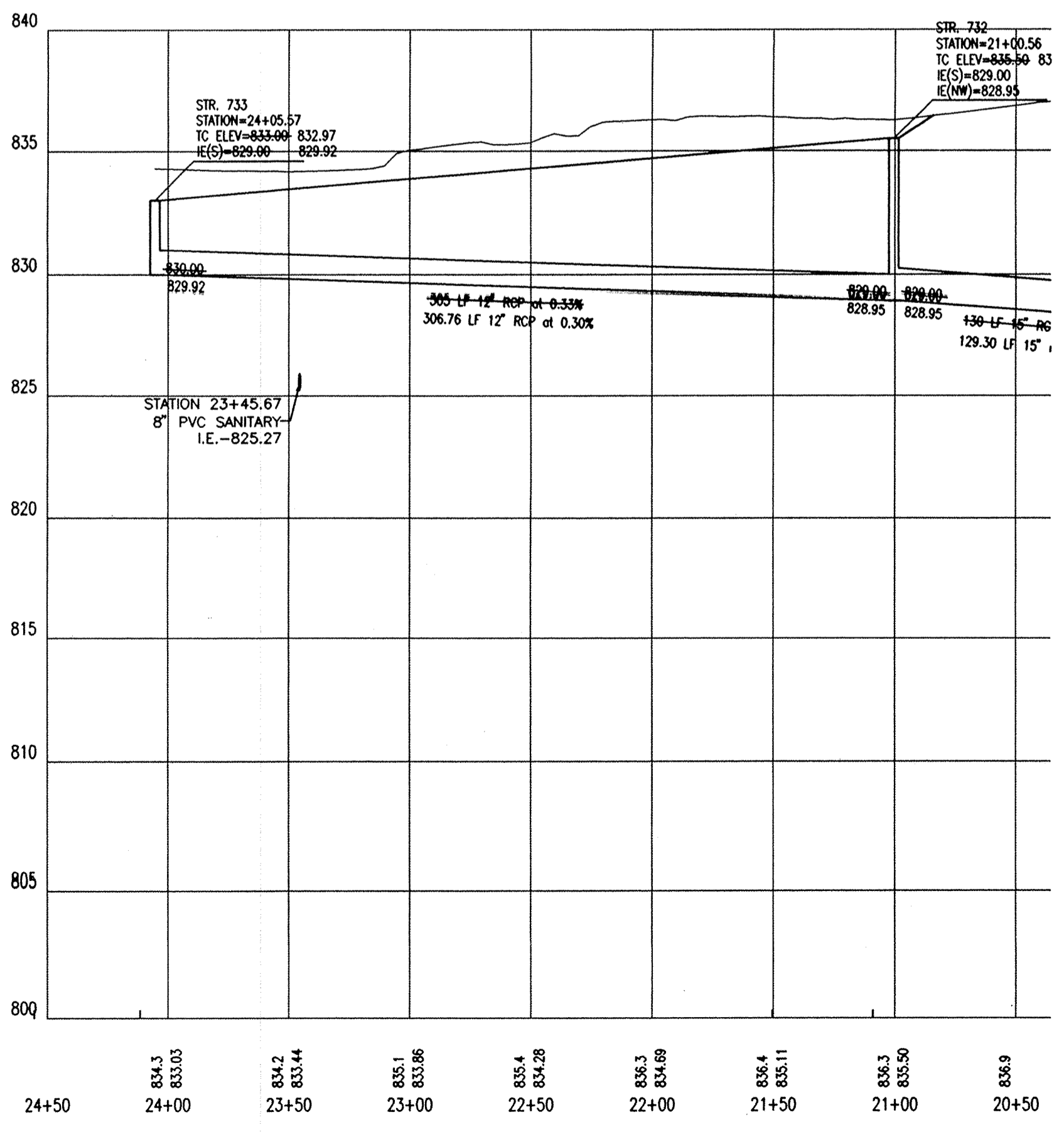
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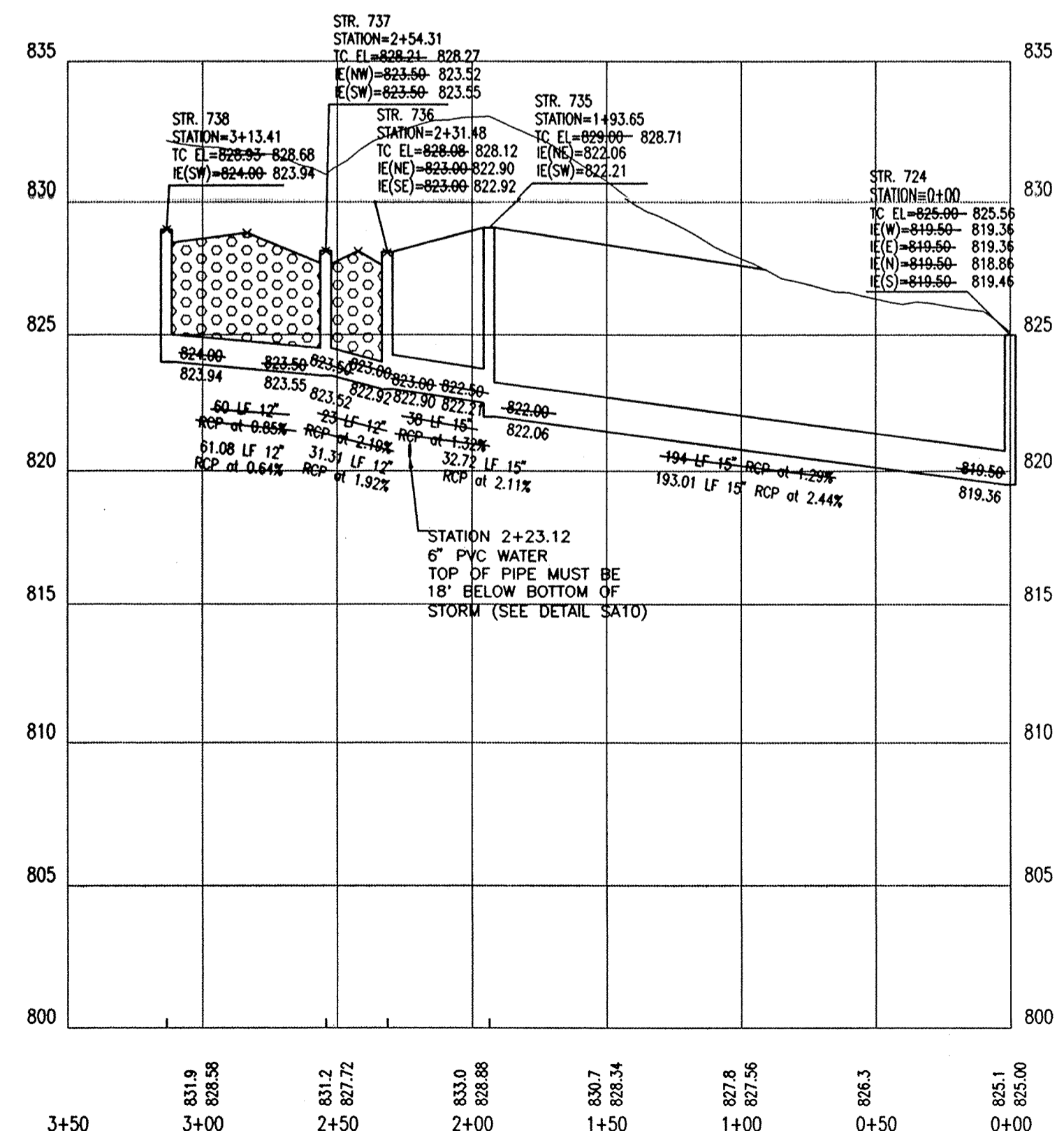
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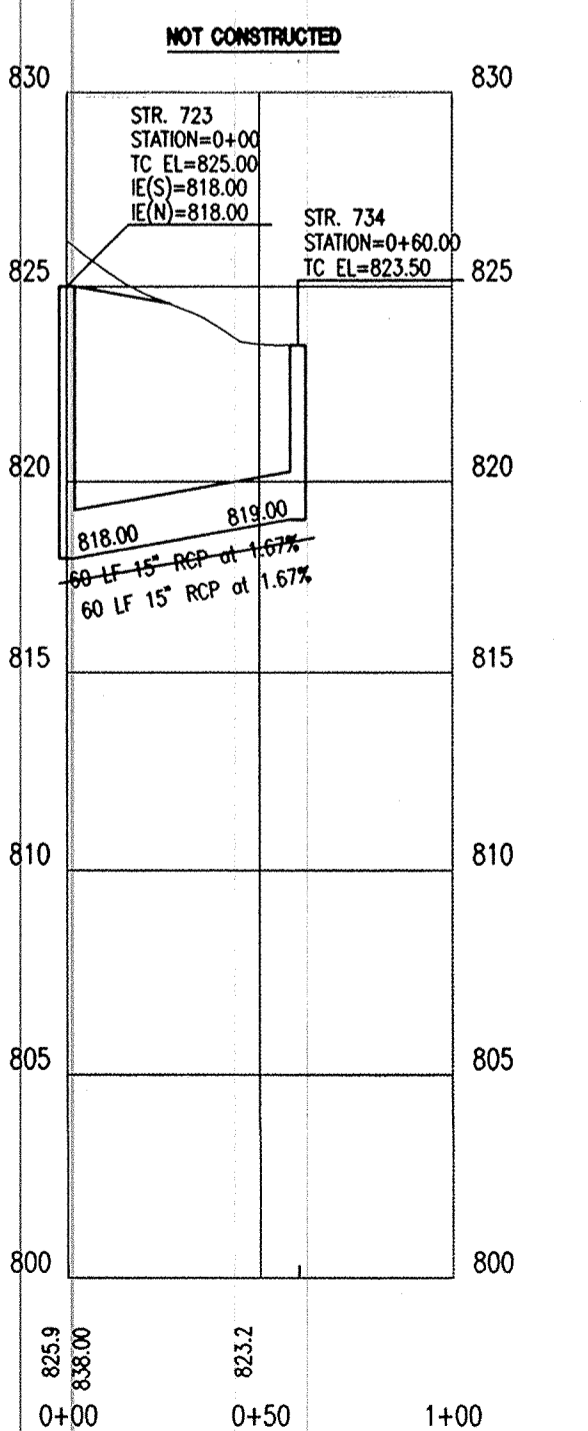
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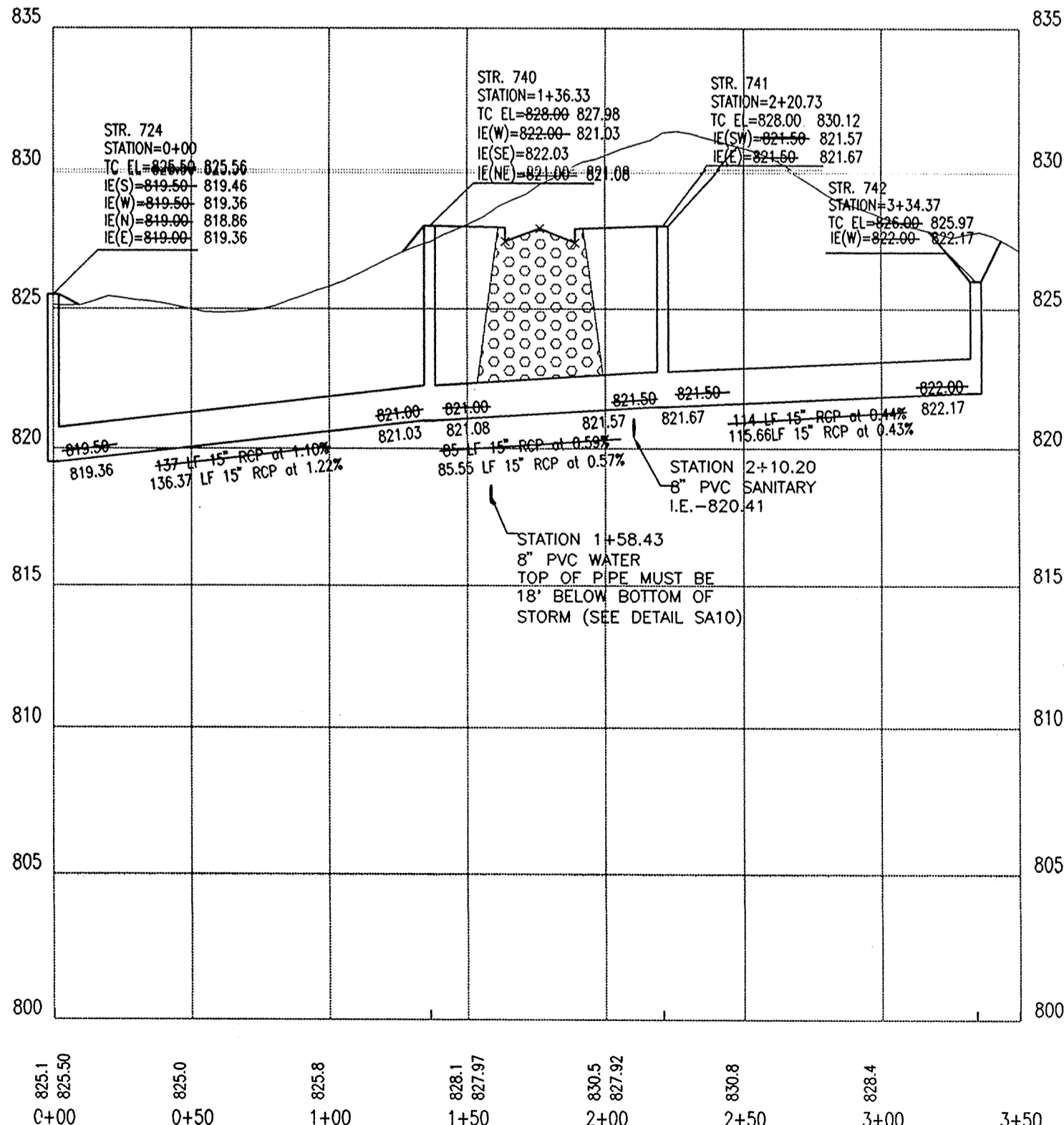
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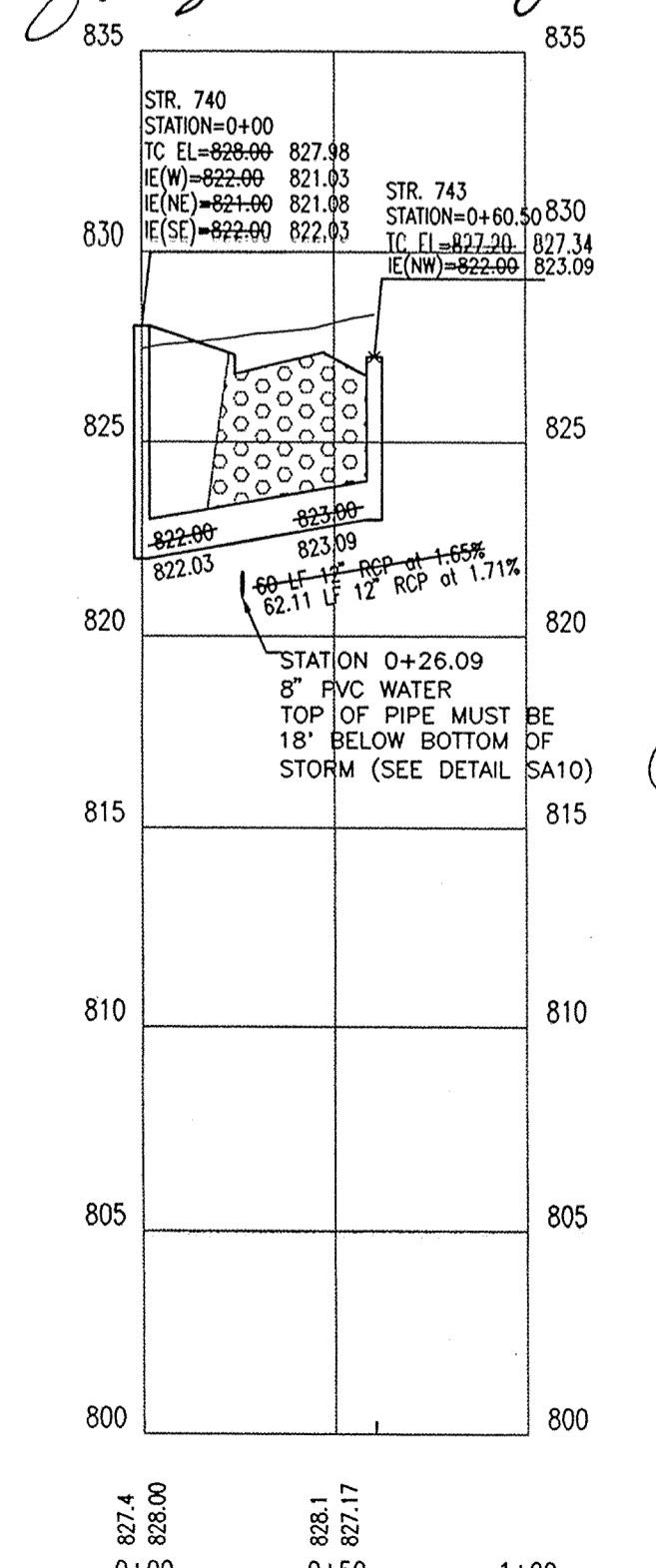
PROFILE EIGHT



PROFILE NINE



PROFILE TEN



PROFILE ELEVEN

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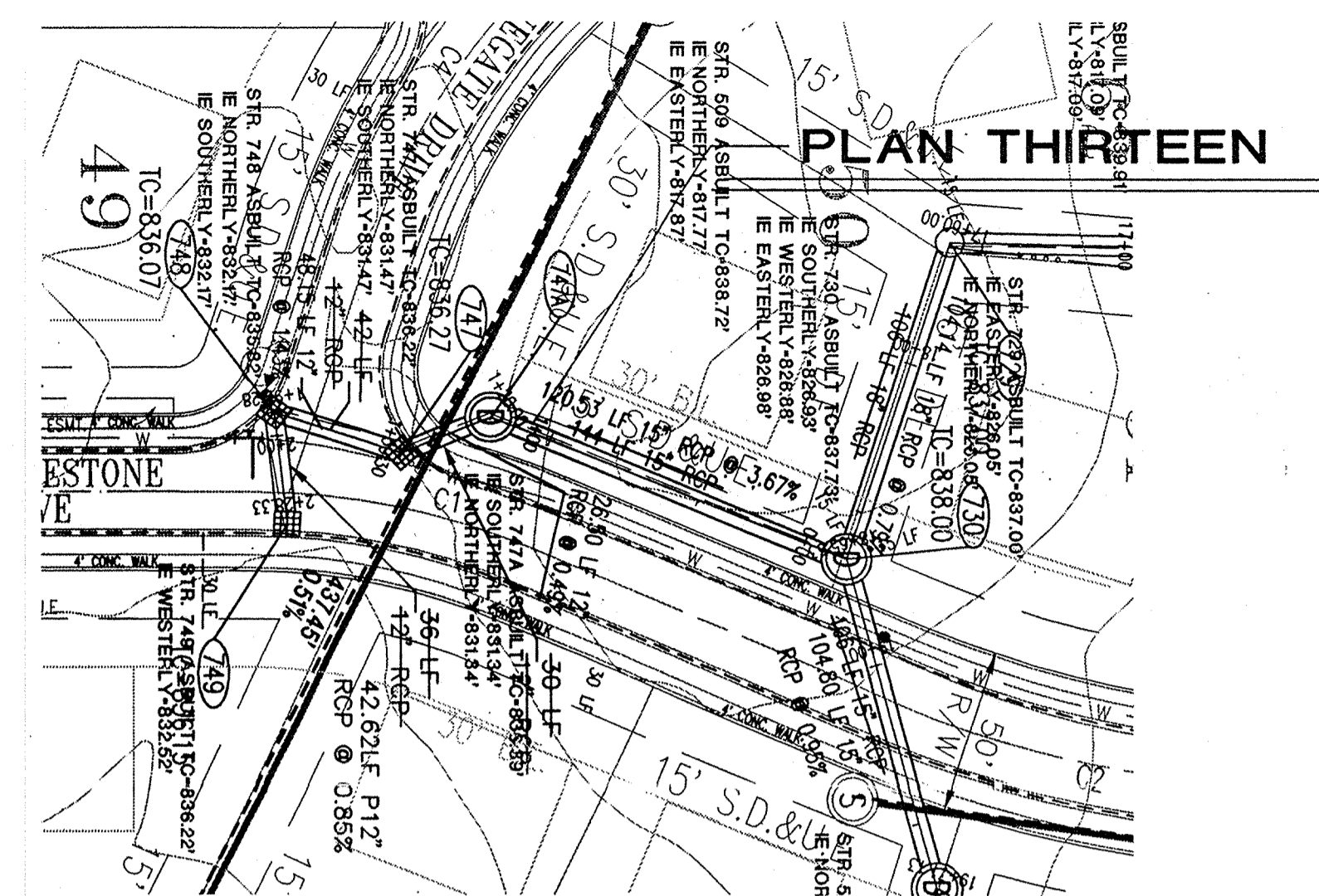
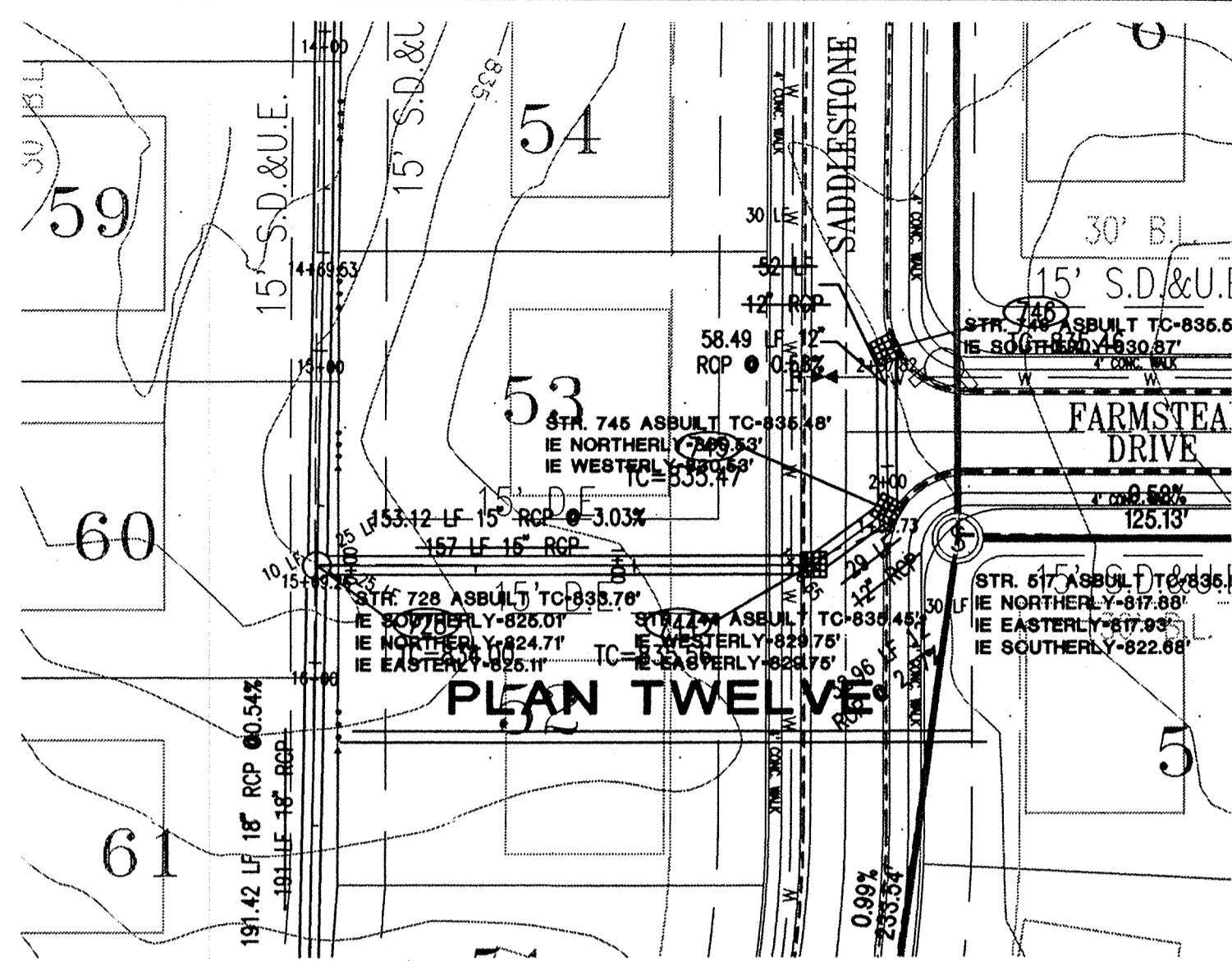
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WEATHERSTONE
MARINA LIMITED PARTNERSHIP
11691 FALL CREEK RD.
INDIANAPOLIS, IN 46256
PHONE: 845-0270 FAX: 845-0766

CERTIFIED BY:
Joseph A. Sharp
JOSEPH A. SHARP
REGISTERED PROFESSIONAL ENGINEER
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STATE OF INDIANA

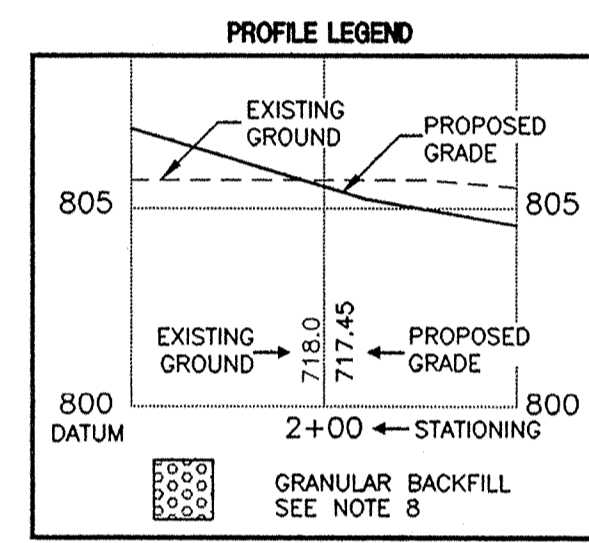
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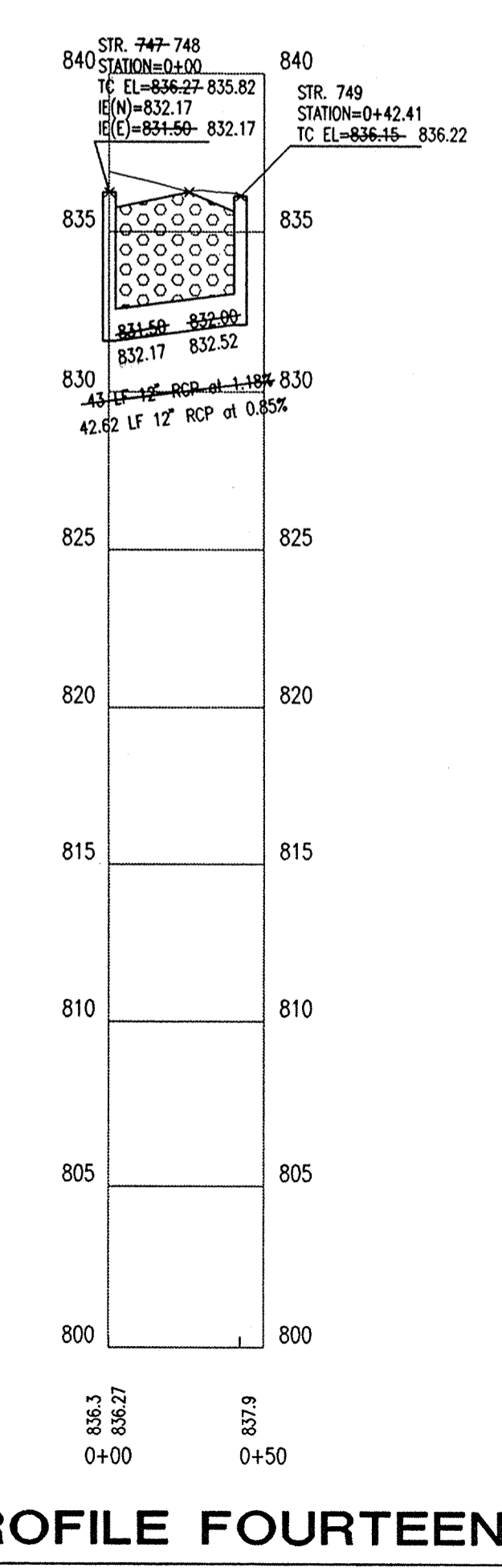
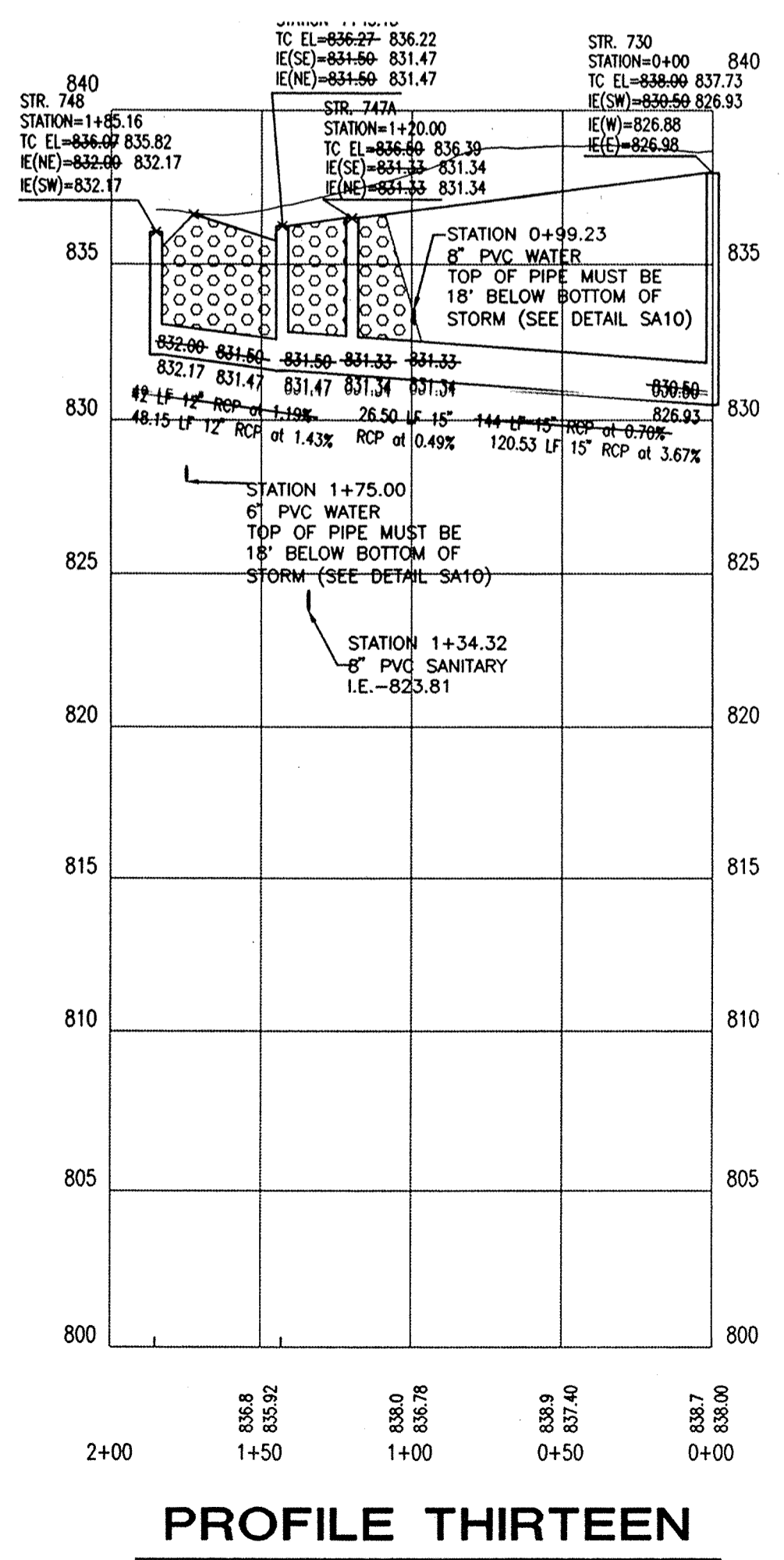
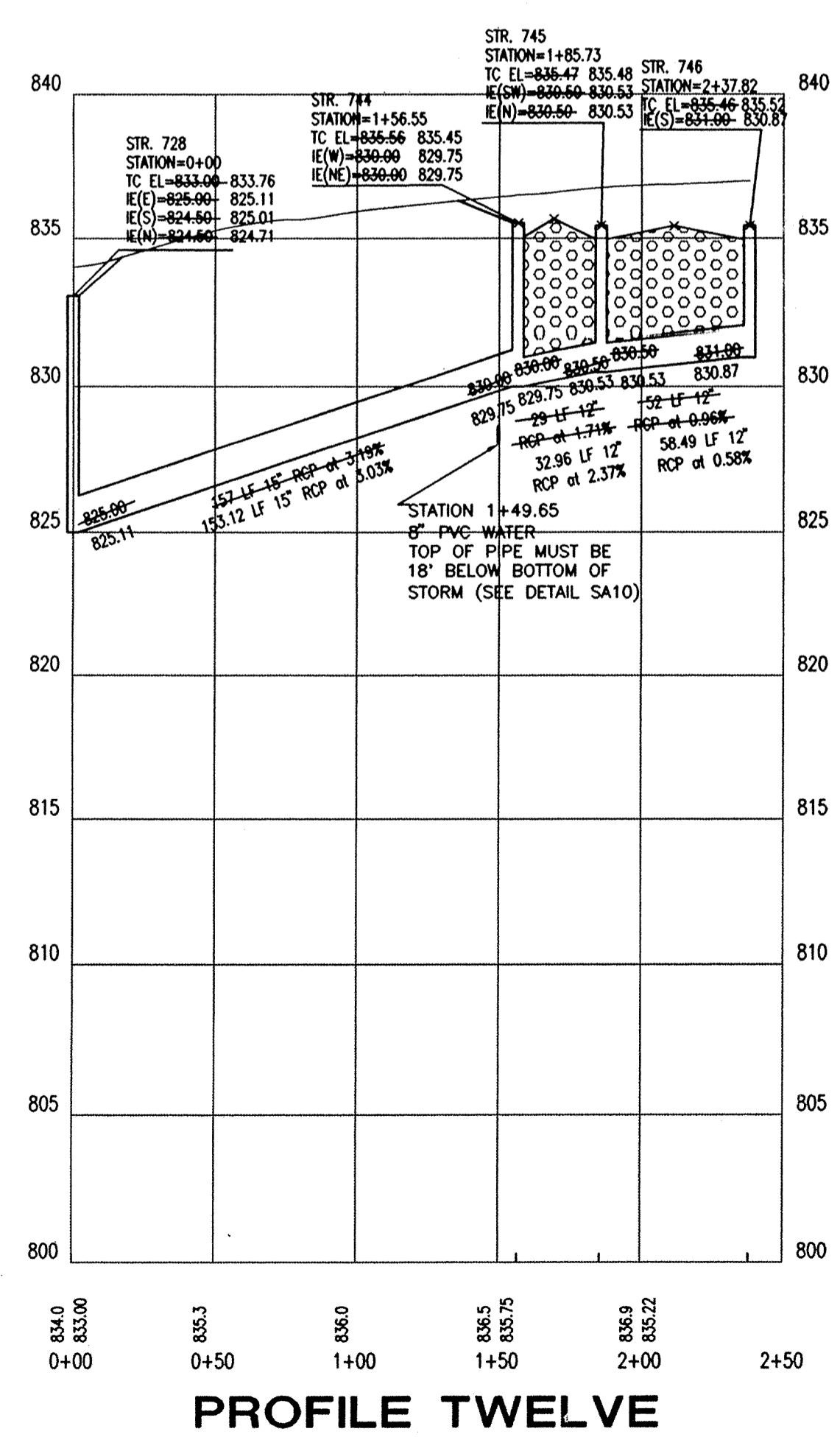
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date 3-9-00
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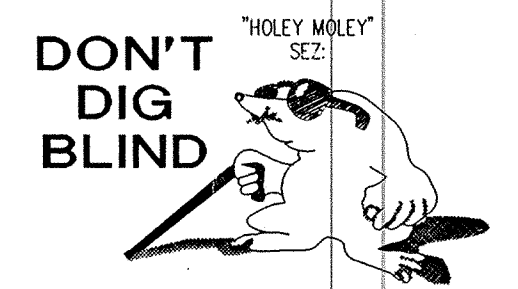
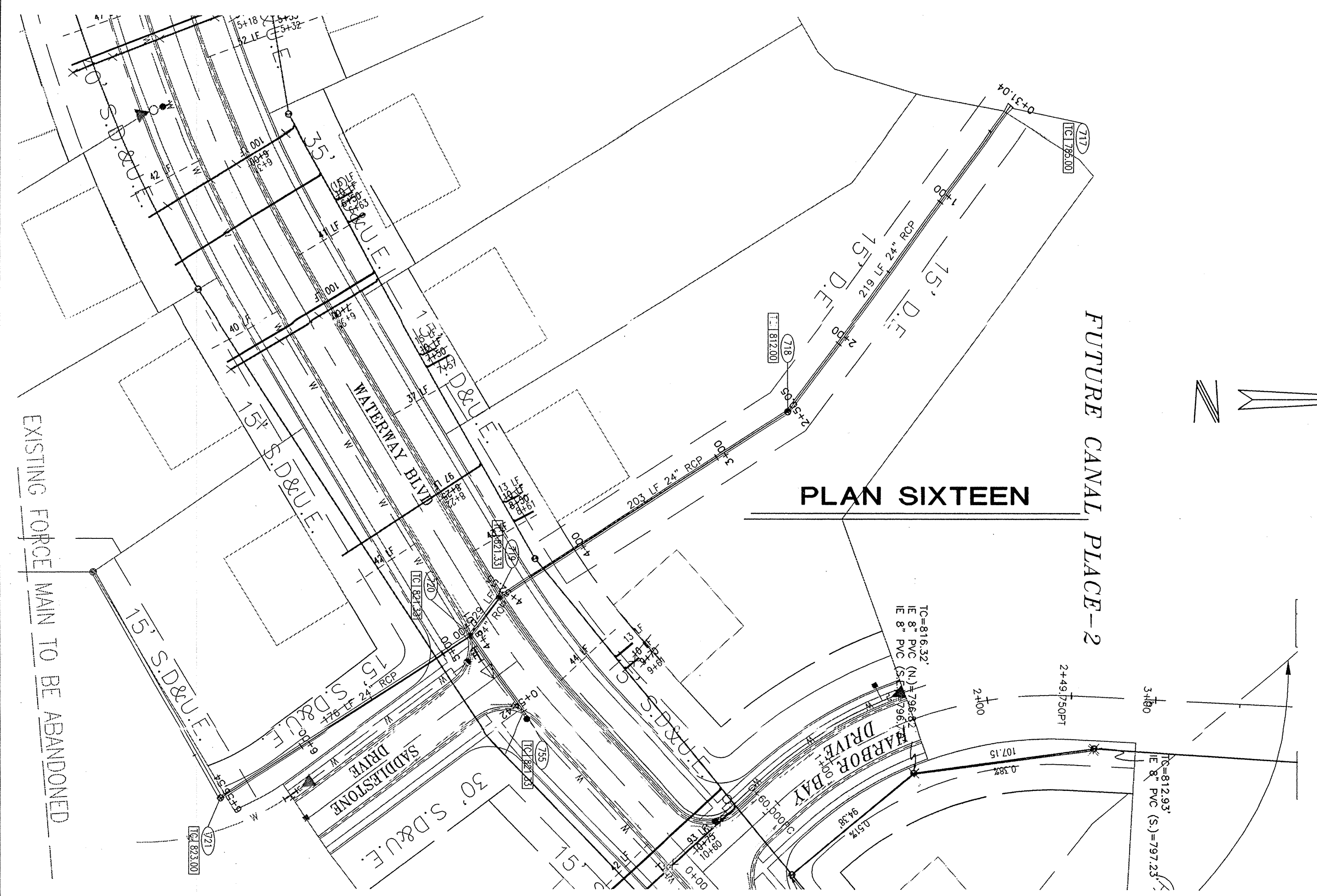
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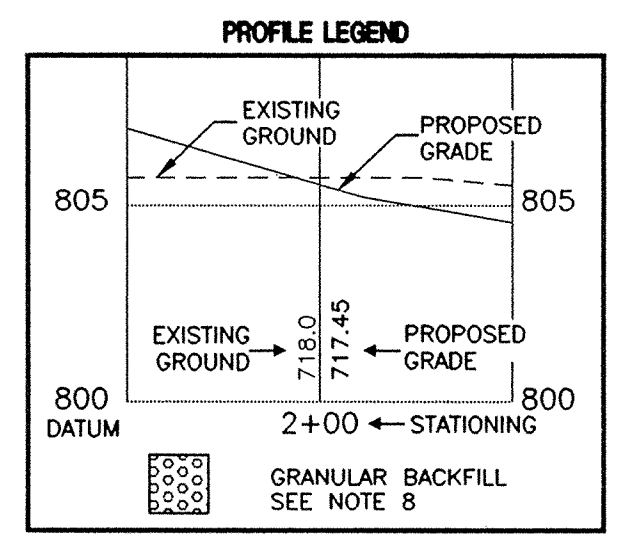
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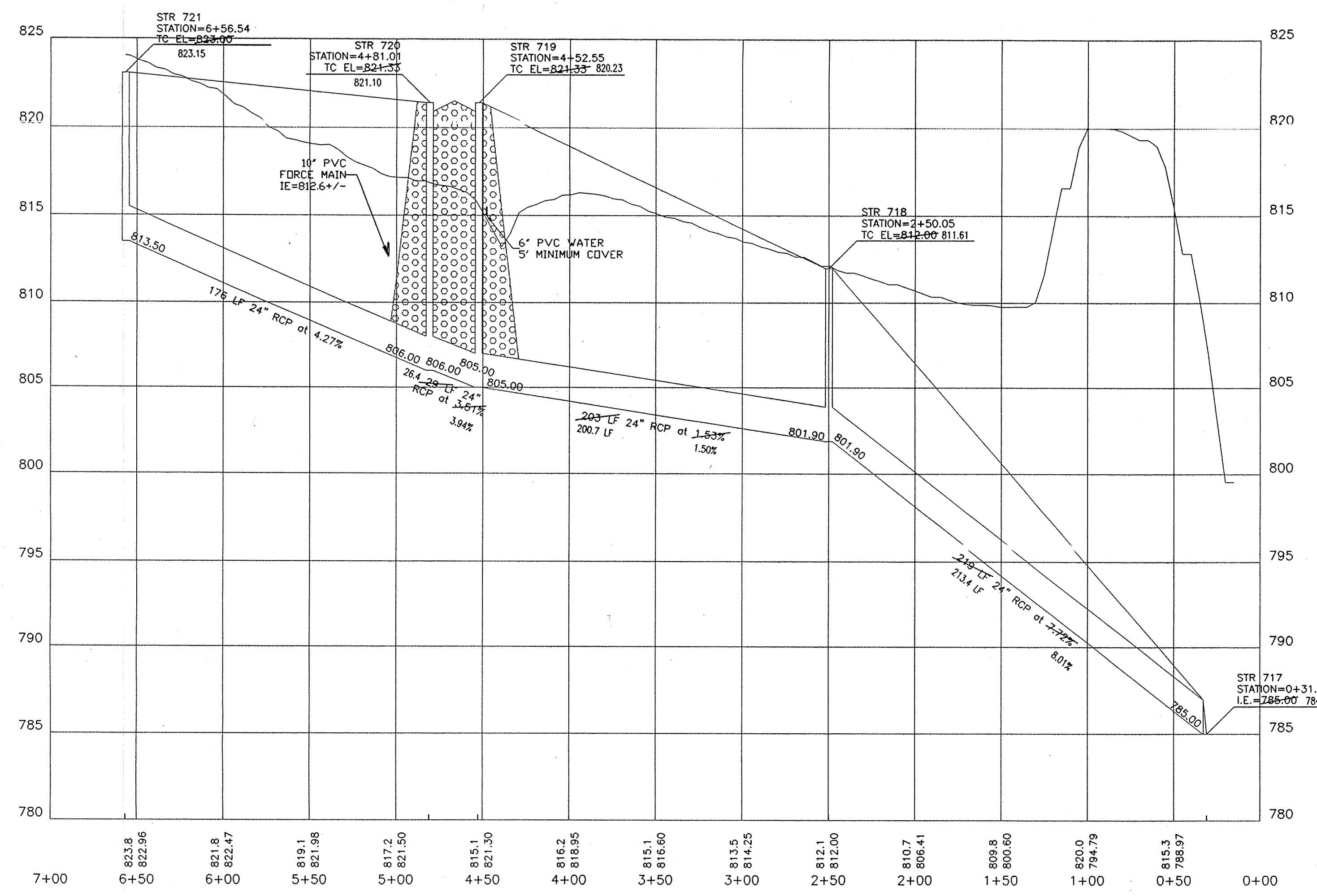


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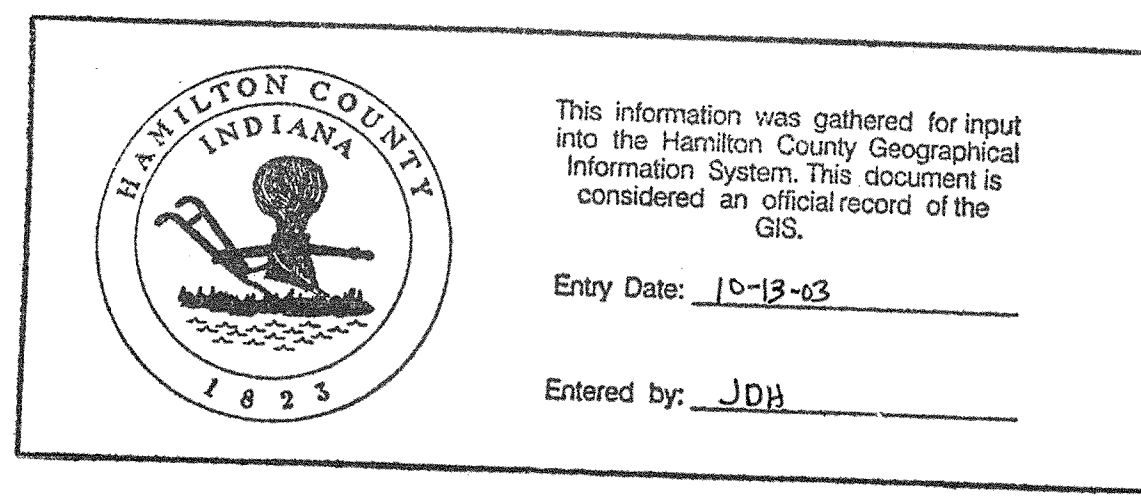


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PROFILE SIXTEEN

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Joseph A. Shays
Certified 5.25.00



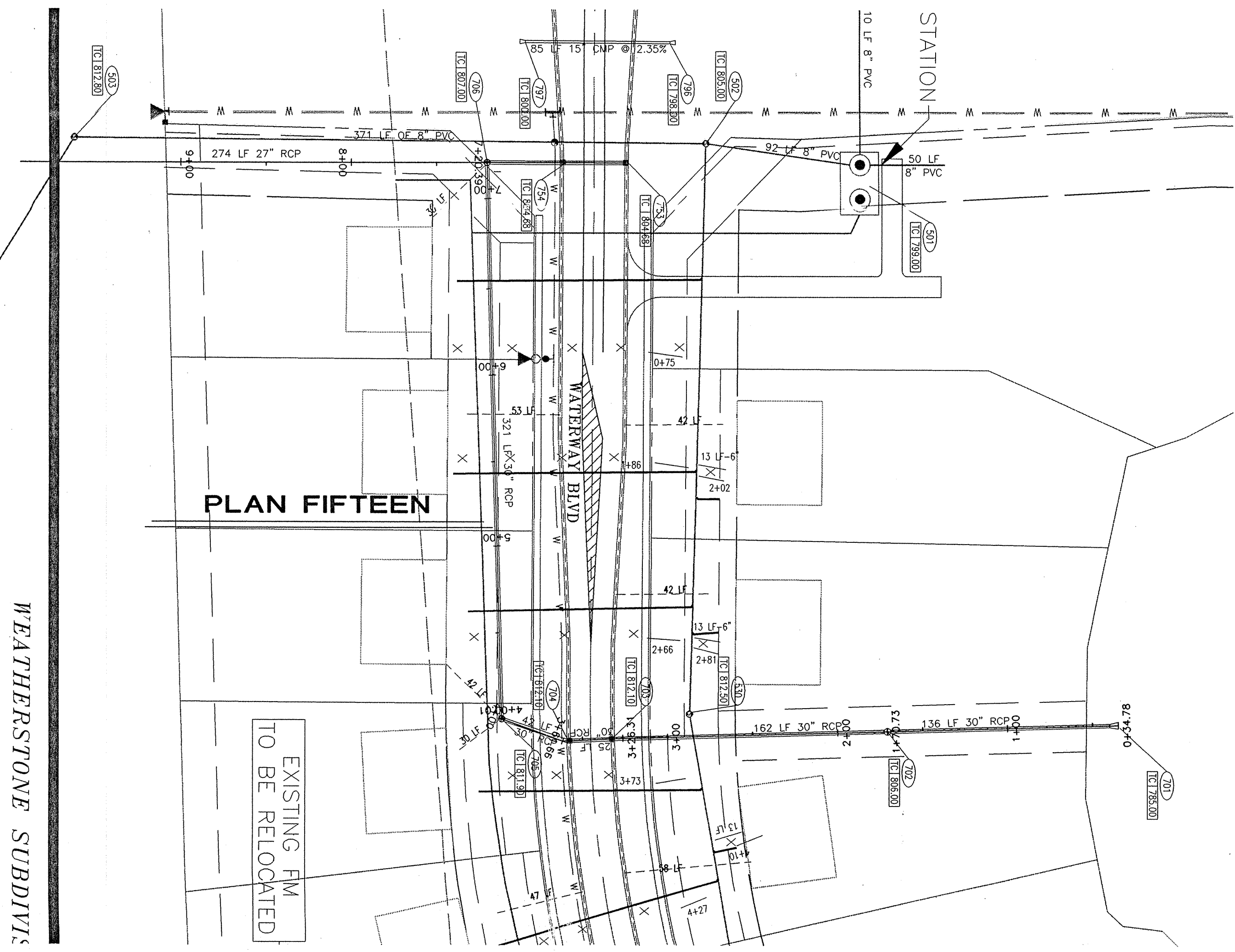
**NOTE: FOR REFERENCE ONLY.
NOT INCLUDED IN CONSTRUCTION
AS A BID ITEM FOR
CANAL PLACE.**

Architects	PAUL I. CRIFE, INC.
Engineers	7172 CRAWFORD ROAD
Environmental Consultants	INDIANAPOLIS, INDIANA 46250
Transportation Engineers	842-6777 FAX (317) 841-4738
Land Surveyors	E-Mail at pcrife@pcrife.com

OFFSITE STORM PLAN AND PROFILE
WEATHERSTONE
MARINA LIMITED PARTNERSHIP
11691 FALL CREEK RD.
INDIANAPOLIS, IN 46256
PHONE: 845-0270 FAX: 345-0706

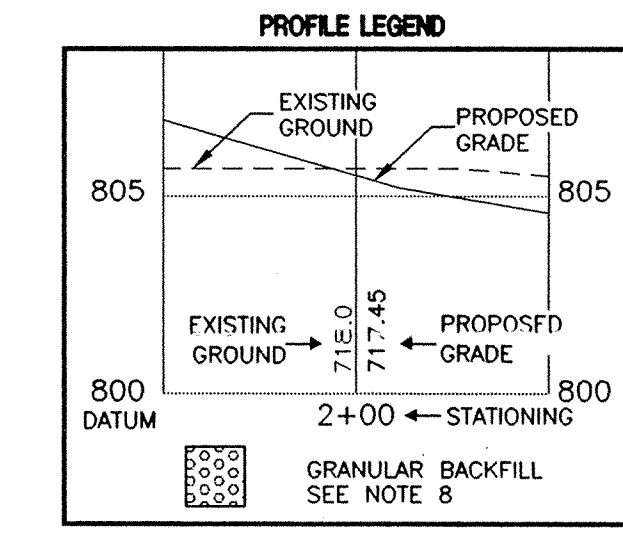
CERTIFIED BY: *Joseph A. Shays*
 REGISTERED PROFESSIONAL ENGINEER
 No. 15179
 STATE OF INDIANA

Drawn By: _____
 Checked By: _____
 Quality Assurance: _____
 Scale: 0 _____ Scale: 1" = 50'
FILED
 MAY 25 2000 C707
 OFFICE OF HAMILTON COUNTY SURVEYOR
 05-21-99
 Project Number: 81100-20804

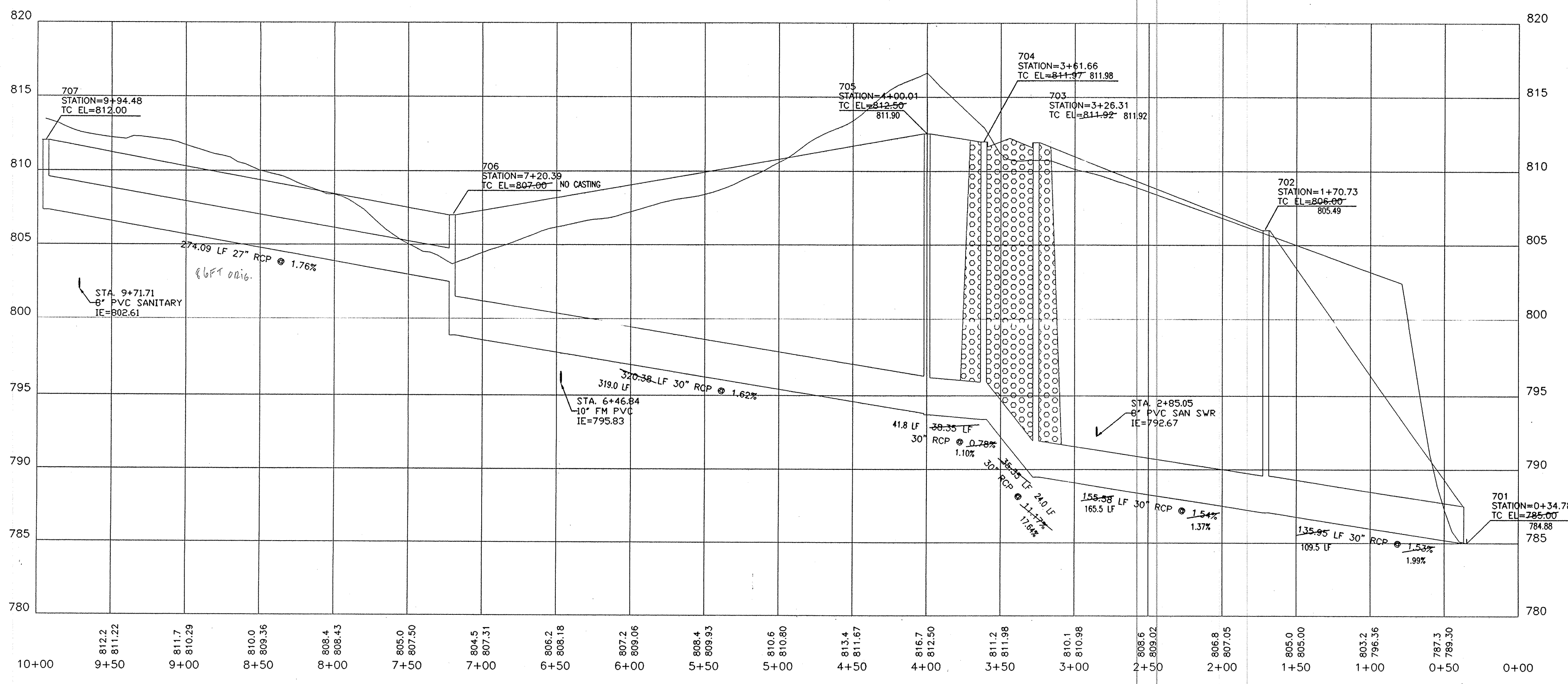


DON'T DIG BLIND
 "HOLEY MOLEY" SEZ
 CAUTION
 LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER 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.

1-800-382-5544
 CALL TOLL FREE
1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA



- STORM SEWER PLAN AND PROFILE NOTES:**
- 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.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUDED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (E. MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INVERTS AT OUTLET STRUCTURES (E. END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C90?
 - PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.

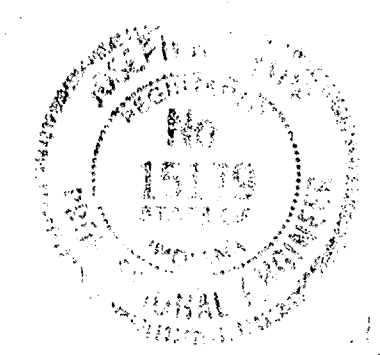


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This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 10-13-03
 Entered by: JDH

RECORD DRAWING
 Certified 5.25.00
 Joseph A. Shapp



Revision	Date	Description
1	07-02-99	REVISE PIPE GRADE AND PROPOSED GRADE

PAUL I. CRIFE, INC.
 ARCHITECTS
 ENGINEERS
 ENVIRONMENTAL CONSULTANTS
 TRANSPORTATION ENGINEERS
 LAND SURVEYORS

7172 GRAHAM ROAD
 INDIANAPOLIS, INDIANA 46250
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 E-Mail at pcrife@pcricrife.com

OFFSITE STORM PLAN AND PROFILE
 WEATHERSTONE
 MARINA LIMITED PARTNERSHIP
 11691 FALL CREEK RD.
 INDIANAPOLIS, IN 46236

CERTIFIED BY:
 JOSEPH A. SHAPP
 REGISTERED PROFESSIONAL ENGINEER
 No. 15179
 STATE OF INDIANA

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