

**Drain:** SPRINGS OF CAMBRIDGE DRAIN      **Drain #:** 262  
**Improvement/Arm:** SPRINGS OF CAMBRIDGE - SECTION 1  
**Operator:** JOH      **Date:** 6-30-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1993

### GIS Drain Input Checklist

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

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

Drain-Improvement: SPRINGS OF CAMBRIDGE DRAIN - SPRINGS OF CAMBRIDGE - SECTION A

Drain Type:	Size:	Length <small>SURVEYOR'S REPORT</small>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	7045	7045	Ø		
RCP	12"	441'	319'	-122'		
	15"	515'	480'	-35'		
	18"	671	828'	+157		
	21"	48'	48'	Ø		
OPEN DITCH		1,220'	1,220	Ø		

Sum: 9940' 9,940' Ø

Final Report: \_\_\_\_\_

Comments:

SR AND AD DISCREP FOR 12", 15", AND 18" RCP LENGTHS.

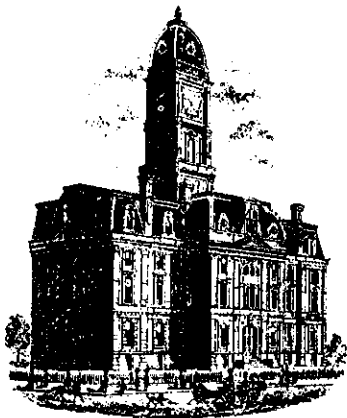
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

December 16, 1993

TO: Hamilton County Drainage Board

RE: Springs of Cambridge Drain-Section 1

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for Section 1 of the Springs of Cambridge Drain. I have reviewed the submittals and petitions 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:

Open Ditch	1220ft	15" RCP	520ft
6" SSD	5969ft	18" RCP	685ft
12" RCP	441ft	21" RCP	50ft

The total length of the drain will be 8885 feet.

The open ditch shown above is that which runs across Lot 24 and Block A, which is also known as Bill's Branch (North). Other portions are from the outlet STR. 700 to the above mentioned Bill's Branch (North); from outlet STR 708 to same creek between Lot 11 and 24; and the open ditch downstream of outlet STR. 720 and 715 in the rear of Lots 7,8,9 and 10.

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

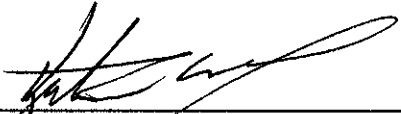
follows: REAR LOTS 13,14,16,20,22 and 23.

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 damage will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per 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 \$ 1171.95 .

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 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 Springs of Cambridge, Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for February 1994.

  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Drainage Board

KCW/no

NBD Bank, N.A.  
One Indiana Square  
Indianapolis, Indiana 46266

**IRREVOCABLE LETTER OF CREDIT NUMBER SB036329**

November 3, 1993gt

**BENEFICIARY**

Hamilton County Commissioners &  
Hamilton County Drainage Board  
Courthouse  
Noblesville, IN 46060

**APPLICANT**

The Marina Limited Partnership  
20999 Hague Road  
Noblesville, IN 46060

Expiration date: December 31, 1994      Amount USD 169,517.00

We hereby issue in your favor this irrevocable letter of credit, which is available against the following documents:

Drafts drawn at sight on NBD Bank N.A., Indianapolis, Indiana bearing the clause "Drawn under irrevocable letter of credit number SB036329 dated November 3, 1993."

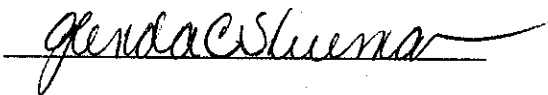
Certification by the Hamilton County Commissioners and Hamilton County Drainage Board of Noblesville, Indiana, for non-compliance with the specifications required for storm sewers in The Springs of Cambridge sub-division, Sections I and II, by The Marina Limited Partnership, such certification may not antedate the Letter of Credit; and

Certification by the Hamilton County Commissioners and Hamilton County Drainage Board of Noblesville, Indiana, that funds under this Letter of Credit will be used to bring the storm sewers into compliance in accordance with the specifications referenced.

We hereby engage with you drawers and/or bona fide holders that drafts drawn and negotiated in conformity with the terms of this letter of credit will be duly honored on presentation and that drafts accepted within the terms of this credit will be duly honored at maturity.

Except so far as otherwise expressly stated, this documentary credit is subject to the Uniform Customs and Practice for Documentary Credits, (1983 Revision) International Chamber of Commerce Publication No. 400.

Regards,



SUM OF USD 169,517.00



CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: The Springs of Cambridge Subdivision, Section One  
Regulated Drain

I hereby certify that:

- 1.) I am a Registered Land Surveyor in the State of Indiana,
- 2.) I am familiar with the plans and specifications for the above referenced subdivision,
- 3.) I have personally observed and supervised the completion of the Drainage Facilities for the above referenced subdivision, and
- 4.) To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature: Joseph A. Sharp Date: October 9, 1995

Type or Printed Name: Joseph A. Sharp

Business Address: 7172 Graham Road

Indianapolis, IN 46250

Telephone: (317) 842-6777

INDIANA REGISTERED NUMBER

S0076





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

October 11, 1996

TO: Hamilton County Drainage Board

RE: Springs of Cambridge Drain-Section 1 Arm

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Springs of Cambridge Drain Arm Section 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 December 16, 1993. The changes are as follows:

STR	705	to	704	12"	RCP	shortened	from	235'	to	234	feet	✓
STR	704	to	702	12"	RCP	lengthened	from	120'	to	122	feet	✓
STR	701	to	700	18"	RCP	shortened	from	80'	to	75	feet	✓
STR	719	to	718	12"	RCP	shortened	from	58'	to	57	feet	✓
STR	716	to	715	15"	RCP	lengthened	from	105'	to	103	feet	✓
STR	712	to	711	15"	RCP	lengthened	from	115'	to	116	feet	✓
STR	711	to	710	18"	RCP	shortened	from	132'	to	130	feet	✓
STR	710	to	709	18"	RCP	lengthened	from	138'	to	139	feet	✓
STR	709	to	708	18"	RCP	shortened	from	90	to	85	feet	✓
STR	725	to	724	15"	RCP	shortened	from	195'	to	192	feet	✓
STR	724	to	723	18"	RCP	shortened	from	35'	to	33	feet	✓
STR	721	to	720	21"	RCP	shortened	from	50'	to	48	feet	✓
STR	717	to	716	15"	RCP	shortened	from	60'	to	59	feet	✓
STR	722	to	721	18"	RCP	shortened	from	150'	to	149	feet	✓

There was an addition of 6" SSD across Lots 27 through 36 that totaled 1,076 feet.

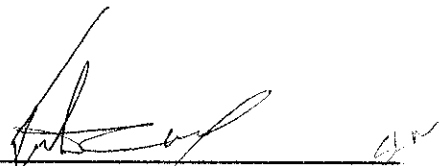
The total length of the drain due to the changes described above is now 9,940 feet.

Page #2

The non-enforcement was approved by the Board at its meeting March 28, 1994.

The bond or letter of credit from NBD Bank, number SB 03-66329, dated November 19, 1993, in the amount of \$169,517.00, has expired.

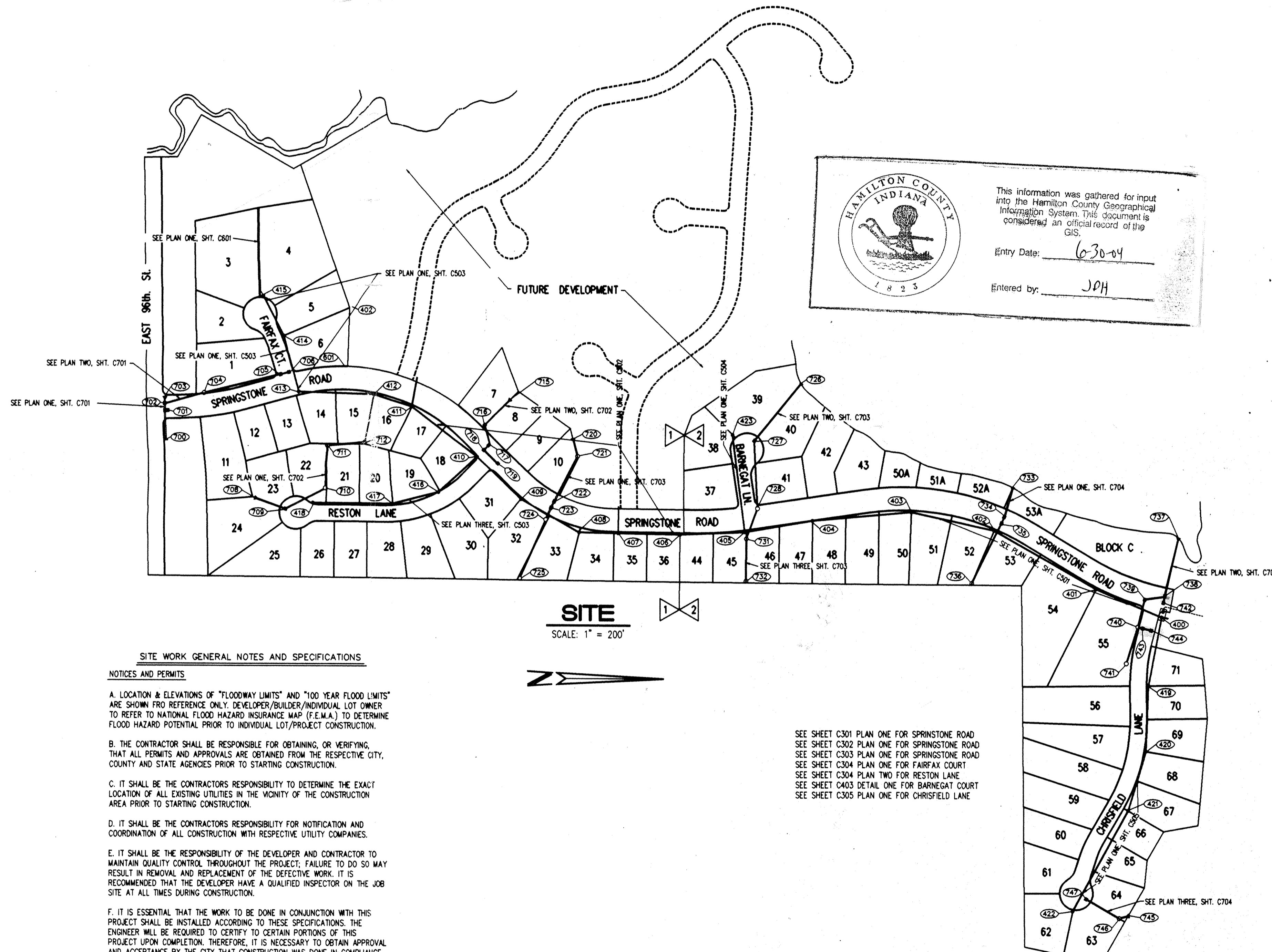
I recommend the Board approve the drains construction as complete and acceptable.

  
Kenton C. Ward  
Hamilton County Surveyor

KCW/no



# CONSTRUCTION PLANS FOR THE SPRINGS OF CAMBRIDGE SUBDIVISION SECTIONS ONE AND TWO

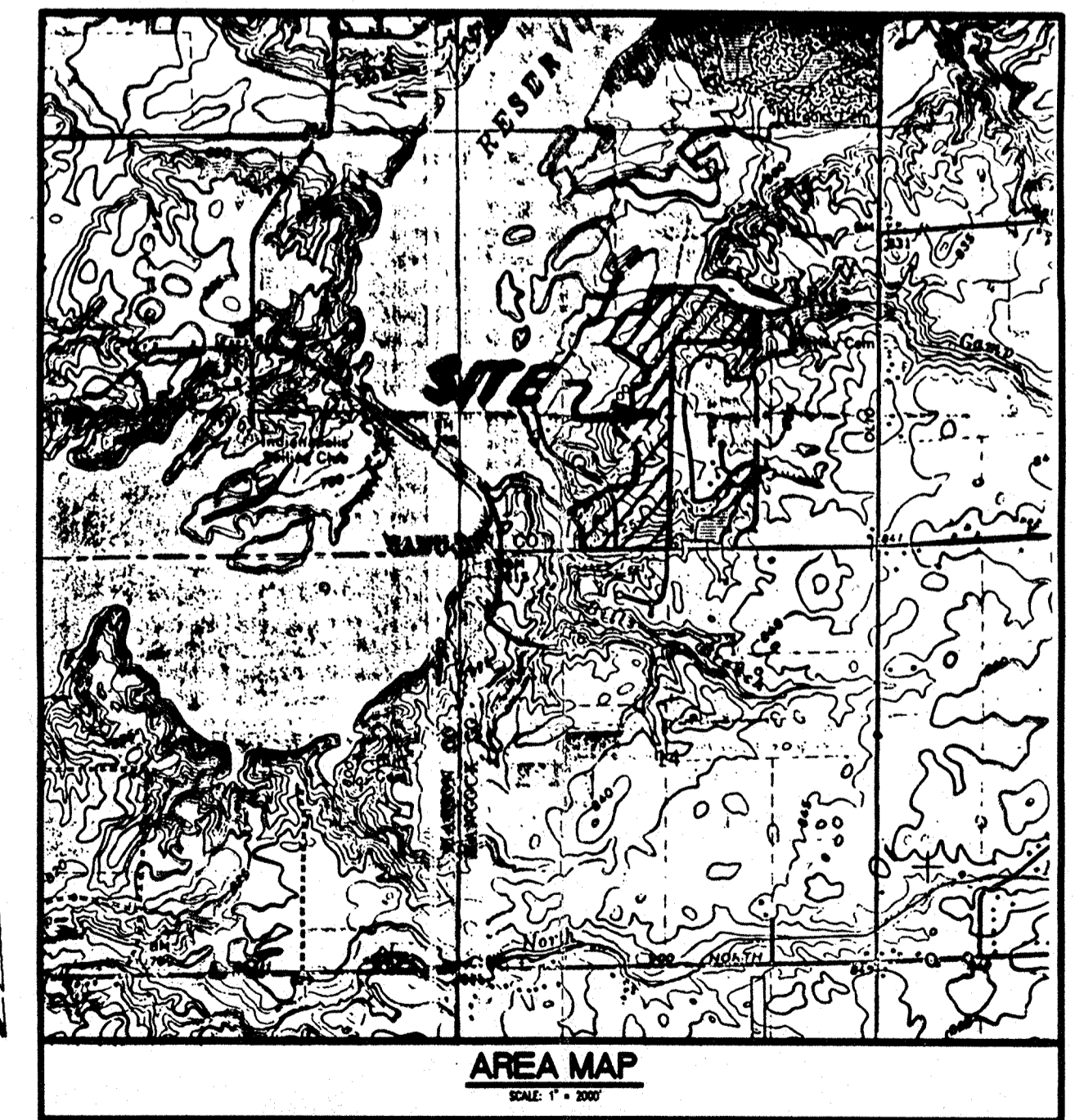


HAMILTON COUNTY INDIANA  
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
Entry Date: 6-30-04  
Entered by: JPH

**DON'T DIG BLIND**  
"HOLEY MOLEY" SEZ.  
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 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.

**REVISED PRINT  
DATE NOV 12 1993**



INDEX	
SHT	DESCRIPTION
CS	COVER SHEET
C201	SITE DEVELOPMENT PLAN (SOUTH HALF)
C202	SITE DEVELOPMENT PLAN (NORTH HALF)
C203	EROSION CONTROL PLAN
C204	EROSION DETAILS & SPECIFICATIONS
C301	STREET PLAN & PROFILE
C302	STREET PLAN & PROFILE
C303	STREET PLAN & PROFILE
C304	STREET PLAN & PROFILE
C305	STREET PLAN & PROFILE
C401	ENTRANCE DETAIL
C402	STREET INTERSECTION DETAILS
C403	CUL-DE-SAC DETAIL (BARNEGAT LANE)
C404	CUL-DE-SAC DETAILS
C501	SANITARY SEWER PLAN & PROFILE
C502	SANITARY SEWER PLAN & PROFILE
C503	SANITARY SEWER PLAN & PROFILE
C504	SANITARY SEWER PLAN & PROFILE
C505	SANITARY SEWER PLAN & PROFILE
C601	FORCE MAIN PLAN & PROFILE
C701	STORM SEWER PLAN & PROFILE
C702	STORM SEWER PLAN & PROFILE
C703	STORM SEWER PLAN & PROFILE
C704	STORM SEWER PLAN & PROFILE
C801	STANDARD DETAILS
C802	STANDARD DETAILS
C901	STANDARD SPECIFICATIONS
C902	STANDARD SPECIFICATIONS

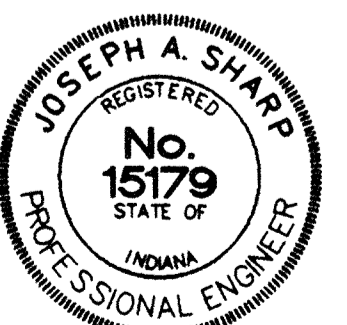
**BENCHMARKS**  
BM MAR 91  
IN HAMILTON COUNTY @ BEST RESERVOIR, 450' S.E. FROM THE N.W. END OF DAM, 18' S.W. OF A SEARCH LIGHT, 14' ABOVE THE CONCRETE SPILLWAY, 11.5' N.E. FROM STEPS, A STD. IN FLOOD CONTROL & WATER RESOURCES COMM. BRONZE BENCH MARK TABLET, STAMPED "MAR 91 1956". ELEVATION = 798.621  
A STANDARD INDIANA FLOOD CONTROL & WATER RESOURCES COMMISSION BRONZE TABLET SET ON THE TOP OF THE SOUTHWEST BRIDGE SEAT OF FLORIDA ROAD OVER FALL CREEK ELEVATION = 793.16

**REVISIONS**  
06/04/93 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS. PLUS IN HOUSE CONSTRUCTION PLAN ENGINEERING REVIEW.  
08/08/93 REVISED ALL SHEETS PER HAMILTON CO. HIGHWAY COMMENT LETTER DATED 06/18/93  
09/27/93 REVISED STREET GRADES ALONG SPRINGSTONE RD. AND EFFECTED INTERSECTIONS PER FIELD CHANGES ALL SHEETS. REVISED STREET NAME FROM WATERVIEW TO SPRINGSTONE. REVISED FLOW OF SANITARY SEWER PER REVISIONS BY ENGINEER. ELIMINATED FORCE MAIN & LIFT STATION SOUTH END.  
11/12/93 REVISED SHEETS C201 & C202, C401, C701 & C802 PER HAMILTON CO. HIGHWAY & SURVEYORS OFFICE COMMENT LETTERS DATED 11/09/93  
4-5-94 AS BUILT SAN. LATERALS PER HARVEY CONSTR. NOTES FOR SEC. ONE SHTS. C502 & C503  
4-19-94 AS BUILT SAN. LATERALS PER HARVEY CONSTR. NOTES FOR SEC. TWO SHTS. C501, C504 & C505  
5-2-94 AS BUILT SAN. & STORM SEWERS SHTS. C501-C505 & C701-C704

**SITE WORK GENERAL NOTES AND SPECIFICATIONS**  
**NOTICES AND PERMITS**  
A. LOCATION & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO INDIVIDUAL LOT/PROJECT CONSTRUCTION.  
B. 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.  
C. 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.  
D. IT SHALL BE THE CONTRACTORS RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH RESPECTIVE UTILITY COMPANIES.  
E. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THE PROJECT. FAILURE TO DO SO MAY RESULT IN REMOVAL AND REPLACEMENT OF THE DEFECTIVE WORK. IT IS RECOMMENDED THAT THE DEVELOPER HAVE A QUALIFIED INSPECTOR ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.  
F. IT IS ESSENTIAL THAT THE WORK TO BE DONE IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE SPECIFICATIONS. THE ENGINEER WILL BE REQUIRED TO CERTIFY TO CERTAIN PORTIONS OF THIS PROJECT UPON COMPLETION. THEREFORE, IT IS NECESSARY TO OBTAIN APPROVAL AND ACCEPTANCE BY THE CITY THAT CONSTRUCTION WAS DONE IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.  
G. ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.  
H. 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.  
I. IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.  
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.

SEE SHEET C301 PLAN ONE FOR SPRINGSTONE ROAD  
SEE SHEET C302 PLAN ONE FOR SPRINGSTONE ROAD  
SEE SHEET C303 PLAN ONE FOR SPRINGSTONE ROAD  
SEE SHEET C304 PLAN ONE FOR FAIRFAX COURT  
SEE SHEET C304 PLAN TWO FOR RESTON LANE  
SEE SHEET C403 DETAIL ONE FOR BARNEGAT COURT  
SEE SHEET C305 PLAN ONE FOR CHRISFIELD LANE

**DEVELOPED BY:**  
**MARINA LIMITED PARTNERSHIP**  
11691 FALL CREEK ROAD  
INDIANAPOLIS INDIANA 46256



CERTIFIED BY:  
*Joseph A. Sharp*  
11-10-93 DATE

REVISIONS	DATE	DESCRIPTION
09/08/93 REVISED SITE LEGEND PER REVISION IN PLANS		
09/27/93 REVISED P&E & STRUCTURES 713.71-729 & 730 FROM SITE LEGEND PER PLAN REVISIONS		
REVISED WATERVIEW ROAD TO SPRINGSTONE ROAD, REVISED SEWER LAYOUT & STR./FS		

**PAUL I. CRIFE, INC.**  
7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777

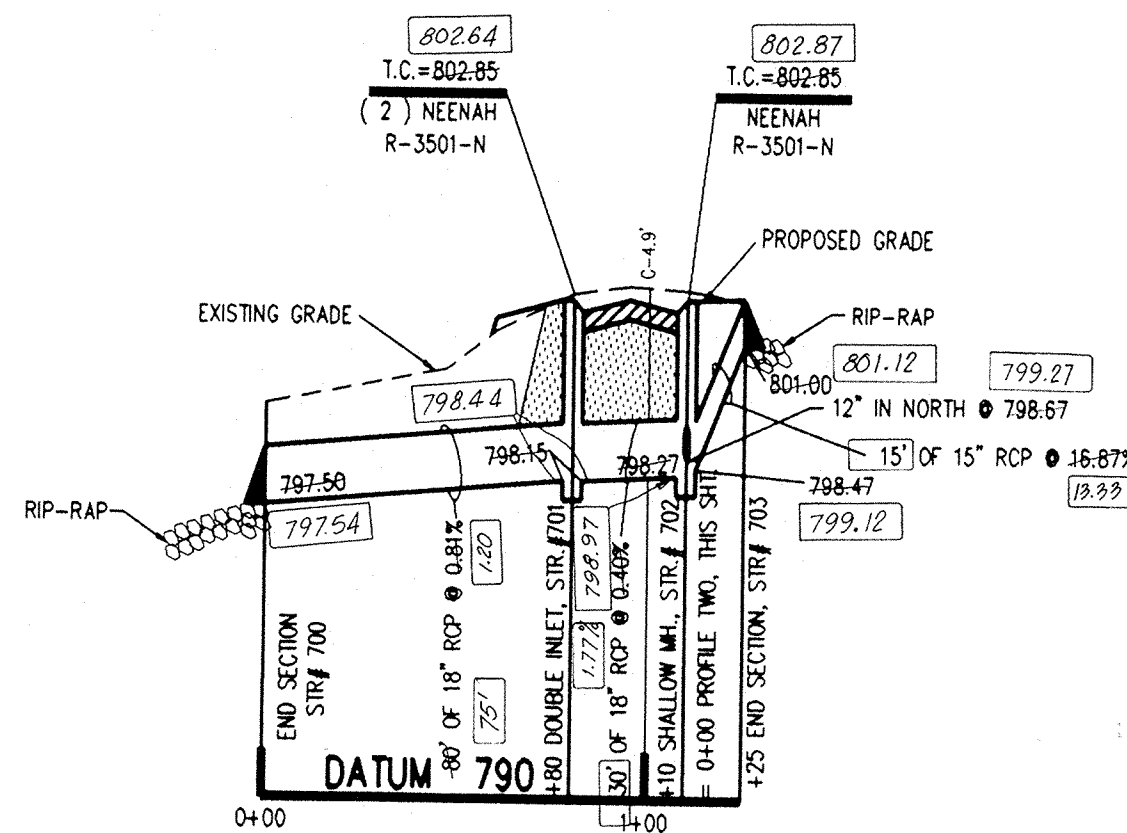
CONCEPT CHK: [ ]  
DRAWN BY: *RF*  
SCALE: AS NOTED  
DATE: 06/04/93  
CLIENT: MARINA LIMITED PARTNERSHIP  
ENG. CHK: [ ]  
DRFTNG. CHK: [ ]  
DRAWING TITLE: COVER SHEET

RECORD DRAWING  
NOV 10 1993  
OFFICE OF HAMILTON COUNTY SURVEYOR

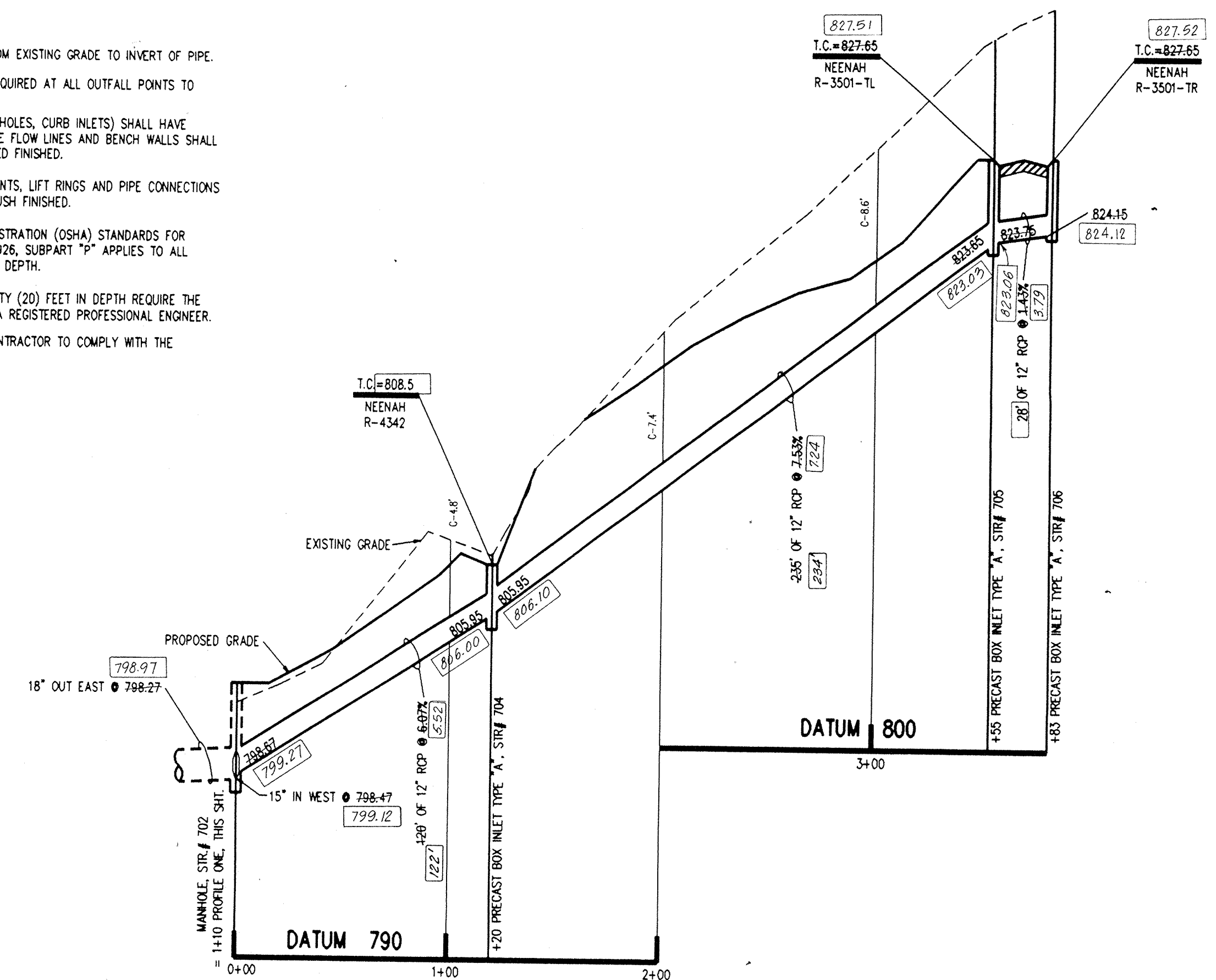
DWG. TYPE	FILE NUMBER	SHEET:
	11BE #297	CS
JOB NUMBER		
81100-21000		



- NOTES:
- CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
  - FIELD ADJUSTMENT BY ENGINEER MAY BE REQUIRED AT ALL OUTFALL POINTS TO INSURE PROPER OUTFALL CONDITIONS.
  - ALL STORM DRAINAGE STRUCTURES (IE MANHOLES, CURB INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND HAVE A BRUSHED FINISH.
  - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  - 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.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.



**PROFILE ONE**



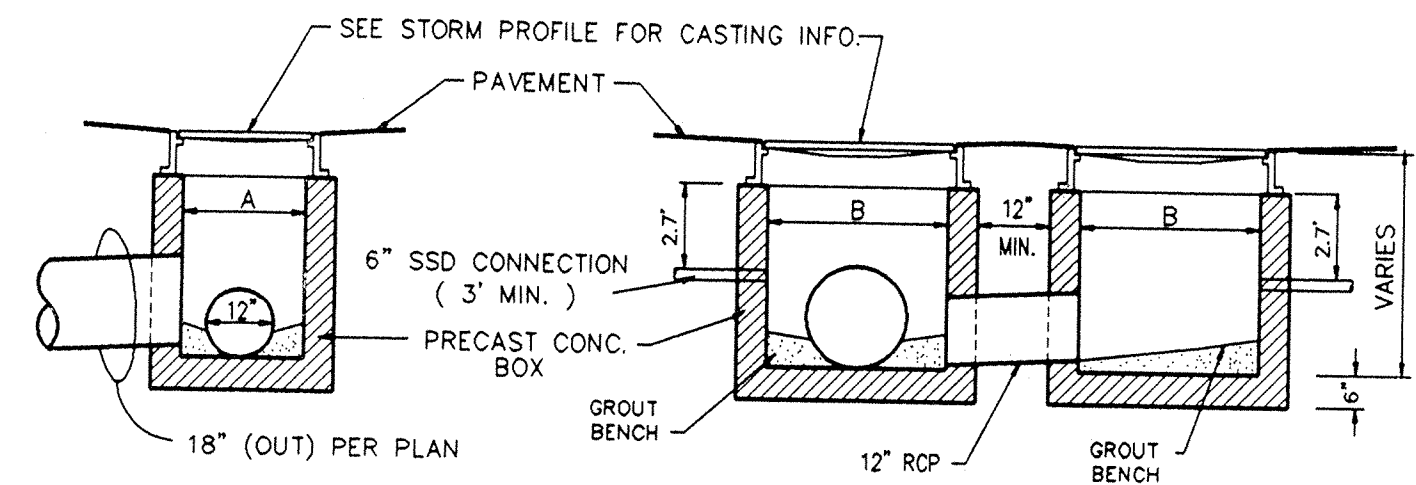
**PROFILE TWO**

Hamilton County Indiana  
1823

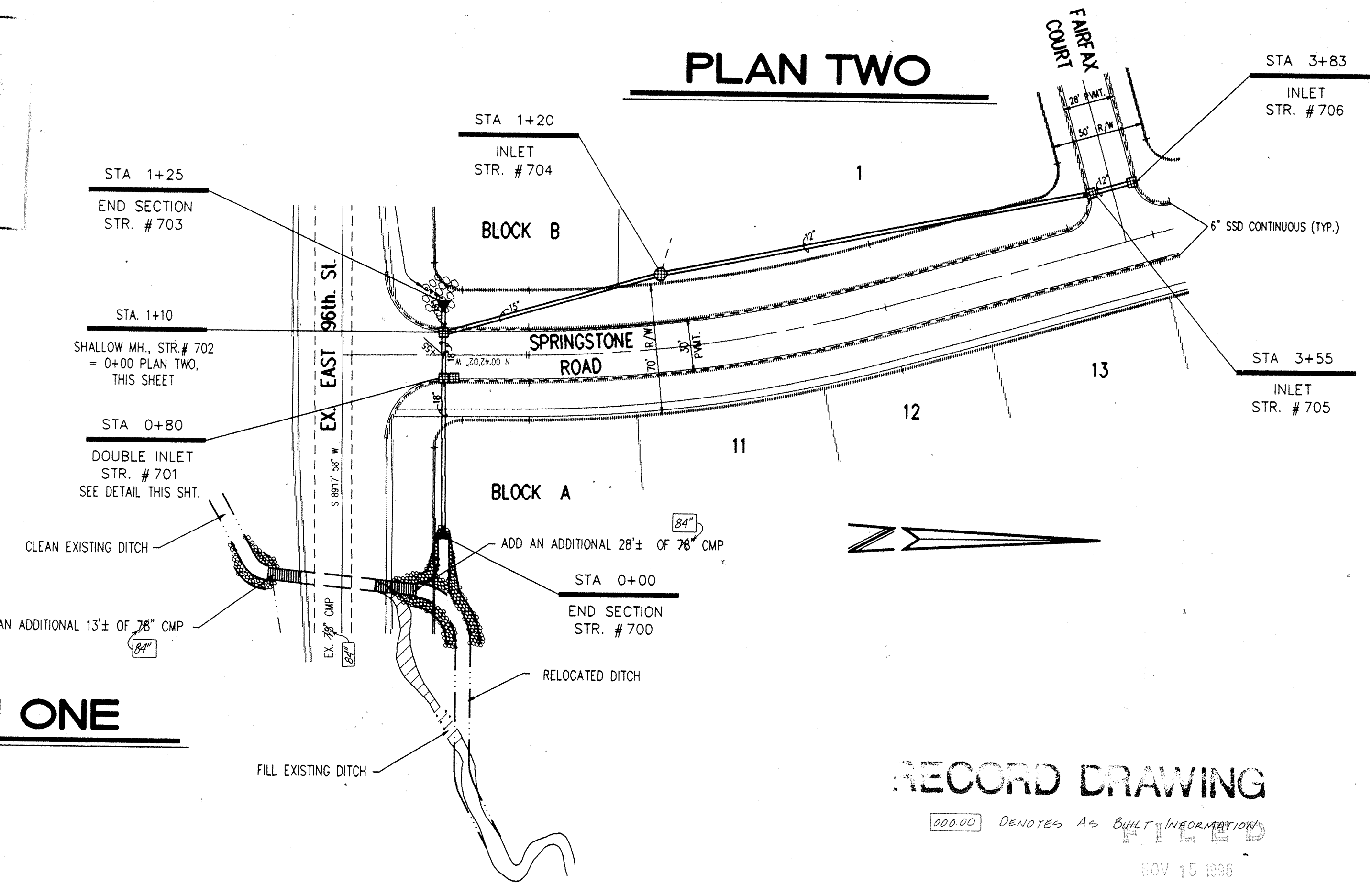
This information was gathered for input into the Hamilton County Geographic Information System. This document is considered an official record of the GIS.

Entry Date: 6-30-04  
Entered by: JDB

EJW	NEENAH	TYPE	USE	A	B
1022-1 HD	R-1772-A	MANHOLE	GRADED AREAS	24"	24"
1022-3 HD	R-1772-C	MANHOLE	TRAFFIC AREAS	24"	24"
7490-M1	R-3501-N	ROLL CURB	LOW POINTS	24"	24"
7495-LH-RH	R-3501-TL-TR	ROLL CURB	FLOW LEFT OR RIGHT	25"	27"
6489	R-4342	DITCH GRATE	SWALES	23"	23"

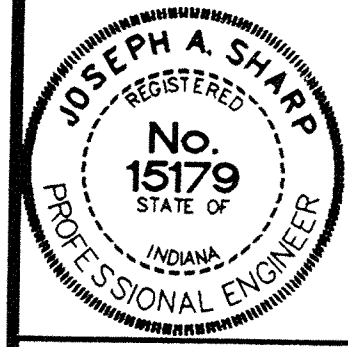


**DOUBLE INLET STR. #701**  
NO SCALE



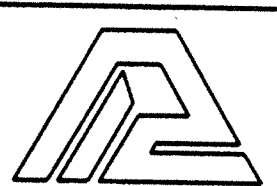
**PLAN ONE**

**PLAN TWO**



CERTIFIED BY:  
*Joseph A. Sharp*  
8.6.93 DATE

REVISIONS	
06/04/93 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY REVIEW PLUS IN HOUSE CONSTRUCTION PLAN ENGINEERING REVIEW	09/27/93 REVISED STREET NAME OF WATERVIEW TO SPRINGSTONE
08/06/93 ELIMINATED PLAN & PROFILE THREE PER STREET GRADE REVISIONS	11/12/93 REVISED CMP PIPE SIZE
REVISED PLAN & PROFILE TWO PER STREET GRADE REVISIONS	5-2-94 AS BUILT STORM SEWERS B.T.



**PAUL I. CRIFE, INC.**  
7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK:  
ENG. CHK:

DRAWN BY:  
DRFTNG. CHK:

SCALE:  
DRAWING TITLE:

DATE:  
06/04/93

CLIENT:  
MARINA LIMITED PARTNERSHIP

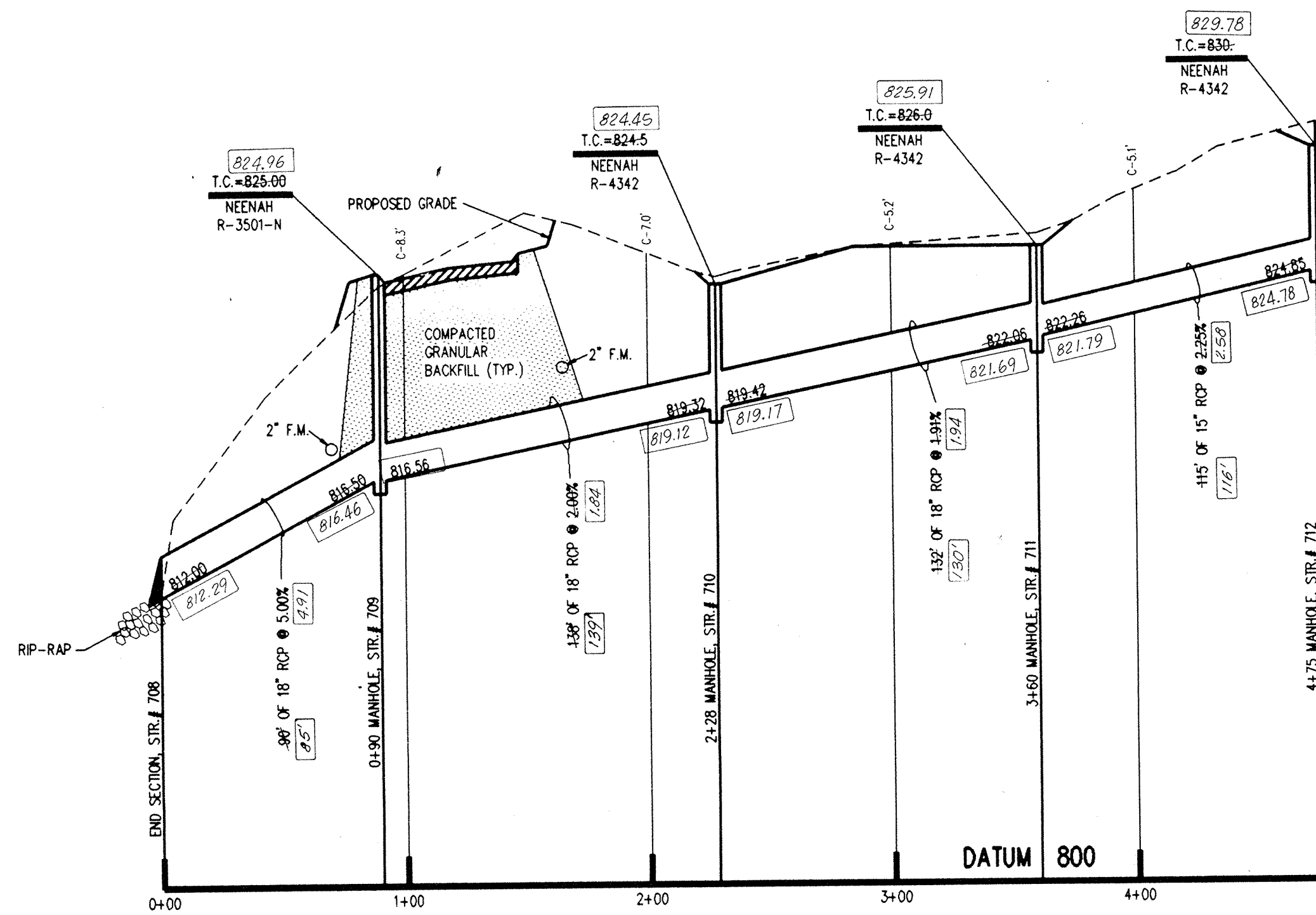
DWG. TYPE	FILE NUMBER	SHEET:
		<b>C701</b>

**STORM SEWER PLAN & PROFILE**

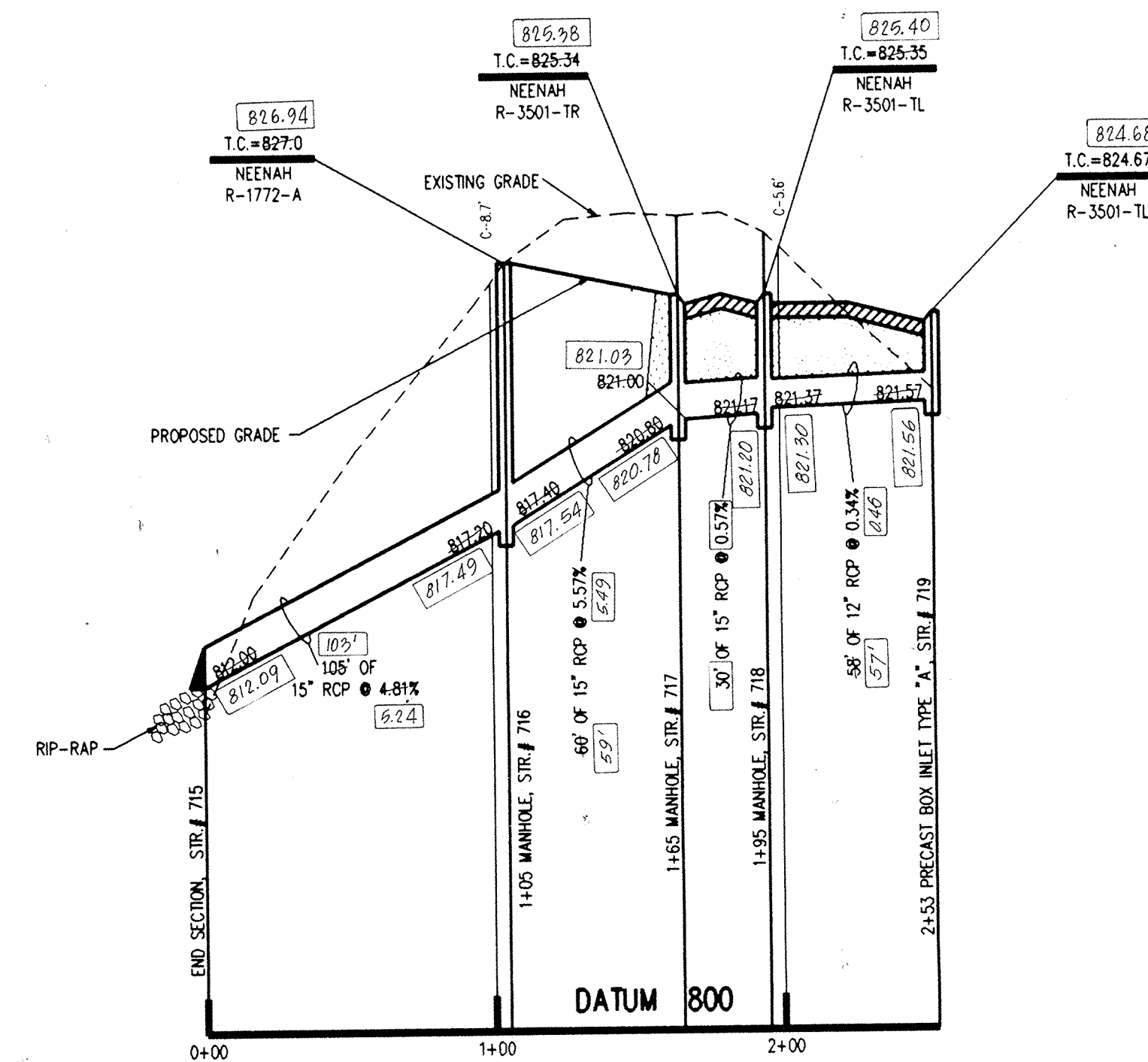
**RECORD DRAWING**  
NOV 15 1995

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

JOB NUMBER  
81100-21000



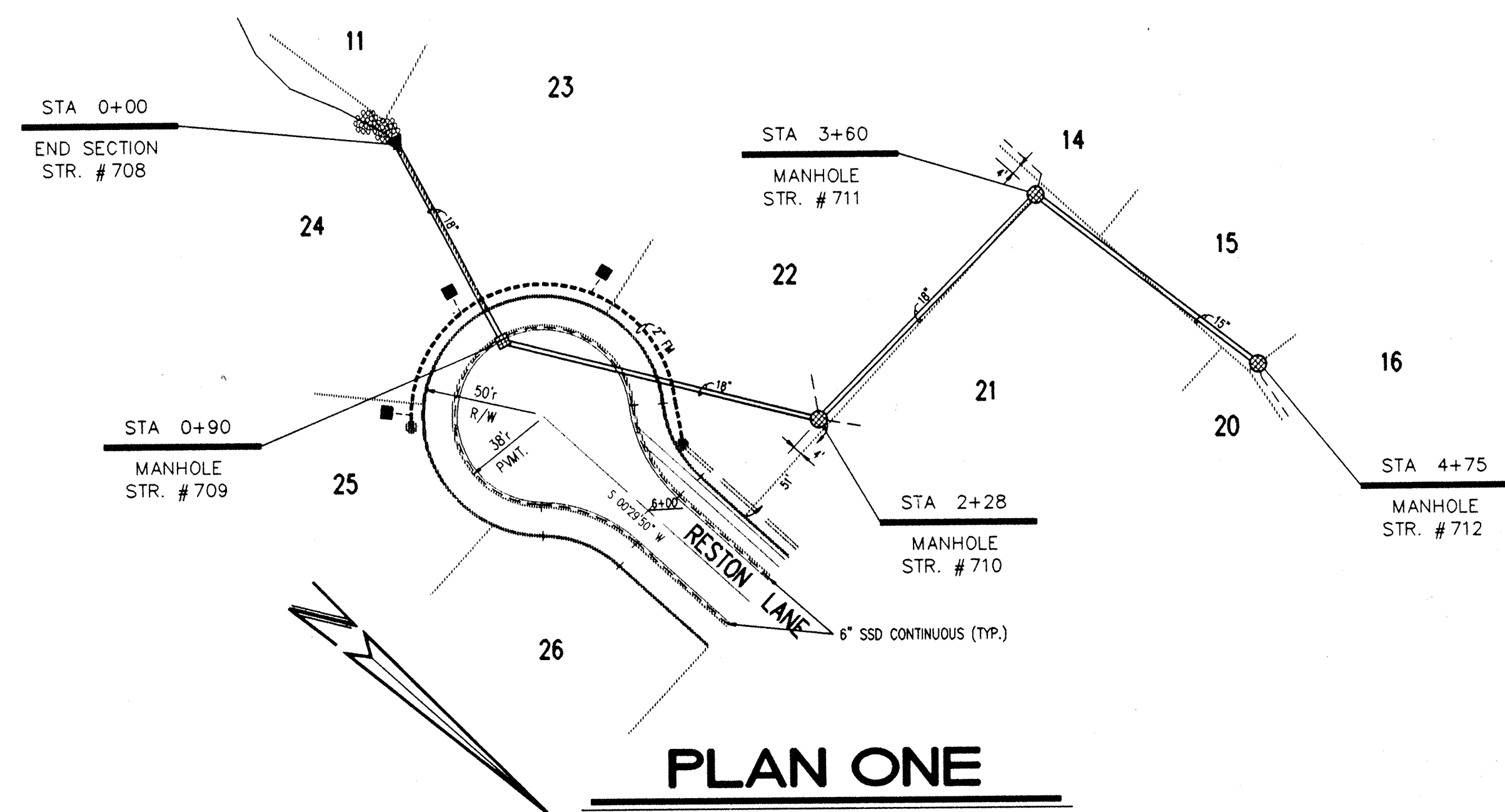
**PROFILE ONE**




**PROFILE TWO**

**DON'T DIG BLIND**  
 "HOLEY MOLEY"  
 SEZ:  
  
 1-800-382-5544  
 CALL TOLL FREE  
 1-800-428-5200  
 FOR CALLS OUTSIDE OF INDIANA

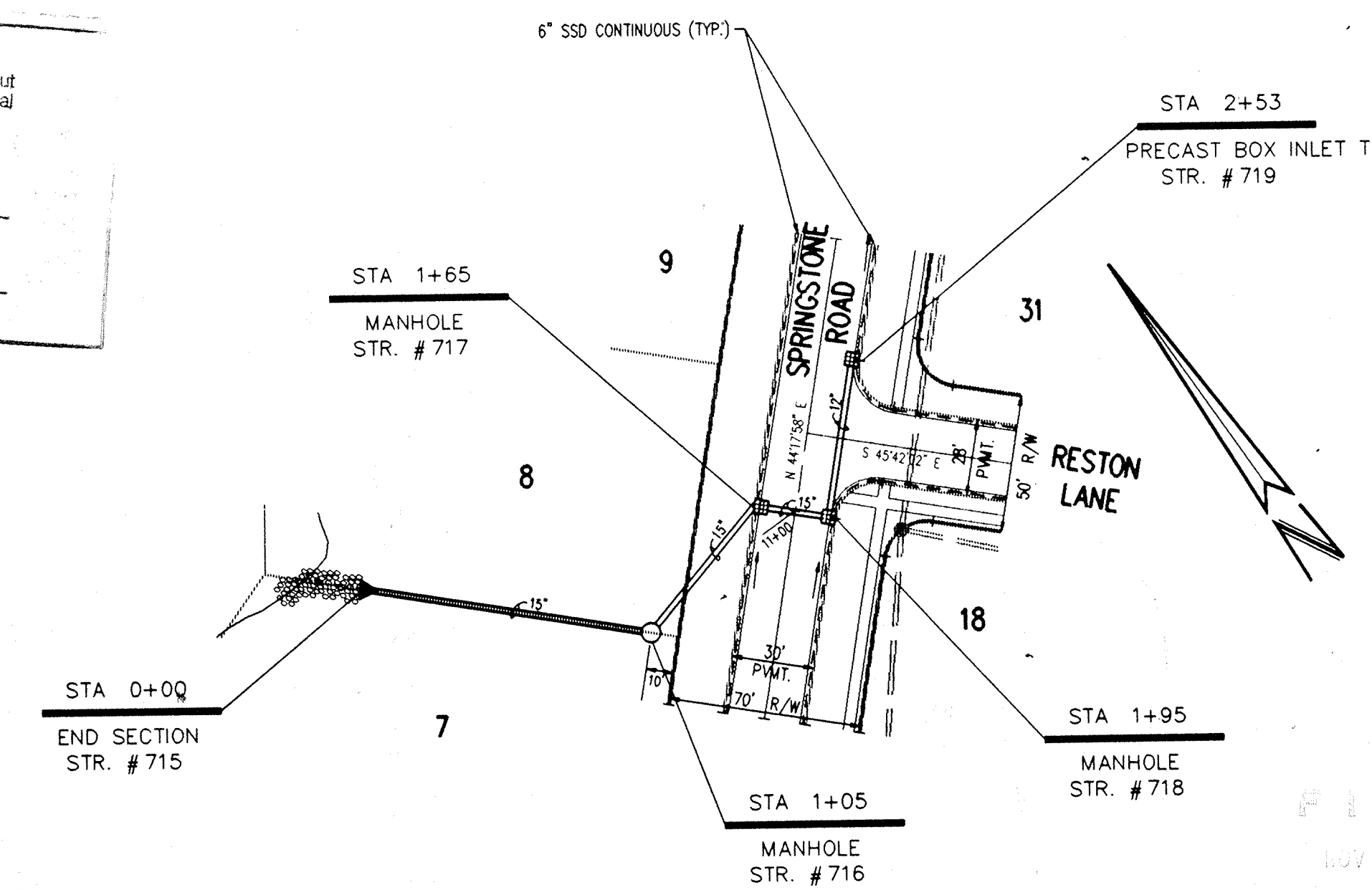
**CAUTION**  
 LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES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



**PLAN ONE**

**HAMILTON COUNTY INDIANA**  
  
 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: 6-30-04  
 Entered by: JPH

- NOTES:**
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
  2. FIELD ADJUSTMENT BY ENGINEER MAY BE REQUIRED AT ALL OUTFALL POINTS TO INSURE PROPER OUTFALL CONDITIONS.
  3. ALL STORM DRAINAGE STRUCTURES (IE: MANHOLES, CURB INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND HAVE A BRUSHED FINISH.
  4. ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  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.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.



**PLAN TWO**

**RECORD DRAWING**

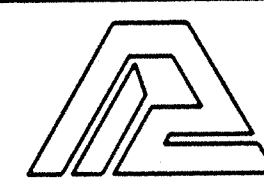
000.00 DENOTES AS BUILT INFORMATION

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO



CERTIFIED BY:  
 Joseph A. Sharpe  
 8-6-93 DATE

REVISIONS	
06/04/93 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS	11/12/93 REVISED STR #716 TO PER FIELD ADJUSTMENT
PLUS IN HOUSE CONSTRUCTION PLAN ENGINEERING REVIEW	5-2-94 AS BUILT STORM SEWERS BT
06/06/93 REVISED PER STREET GRADE REVISIONS STR #S 713 & 714	
09/27/93 REVISED PER STREET GRADE REVISIONS ELIMINATED PIPE & STR #S 713 & 714	



**PAUL I. CRIFE, INC.**  
 7172 GRAHAM ROAD  
 INDIANAPOLIS, INDIANA 46250  
 (317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

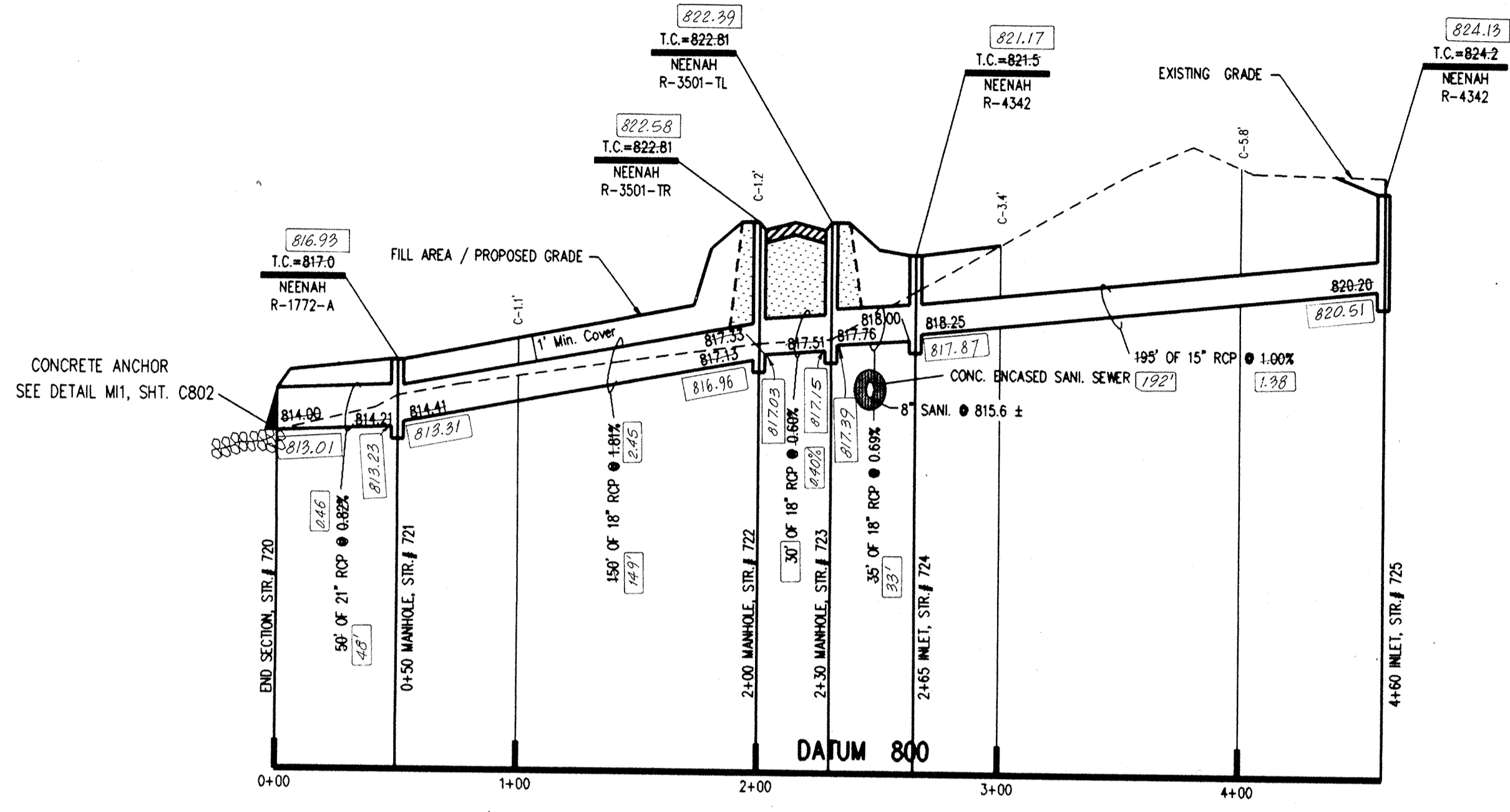
CONCEPT CHK:  
 DRAWN BY: RFS  
 ENG. CHK:  
 DRFTNG. CHK:

SCALE: HORIZ. 1"=50'  
 VERT. 1"=5'  
 DATE: 06/04/93  
 CLIENT: MARINA LIMITED PARTNERSHIP

DRAWING TITLE: STORM SEWER PLAN & PROFILE

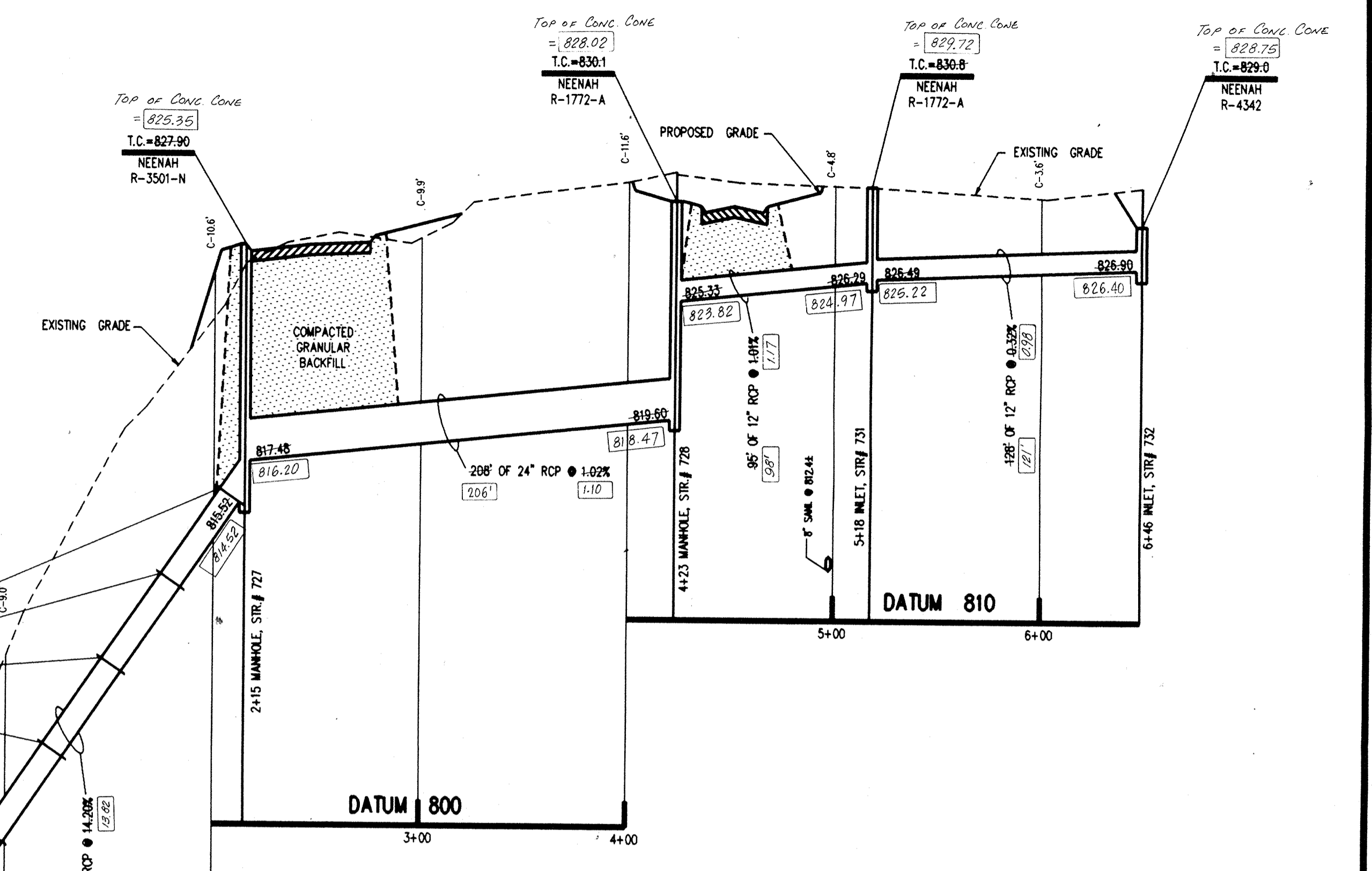
DWG. TYPE	FILE NUMBER	SHEET:
		C702
JOB NUMBER		
81100-21000		



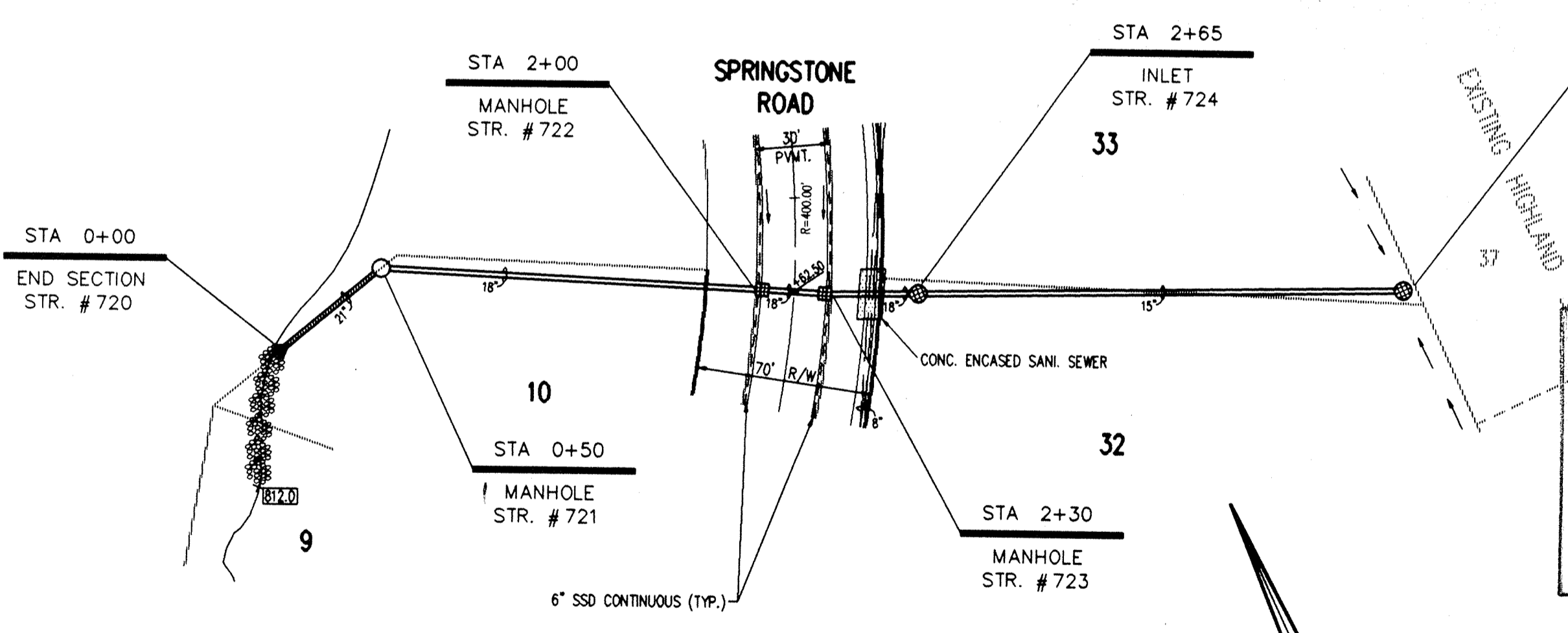


**PROFILE ONE**

- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
  2. FIELD ADJUSTMENT BY ENGINEER MAY BE REQUIRED AT ALL OUTFALL POINTS TO INSURE PROPER OUTFALL CONDITIONS.
  3. ALL STORM DRAINAGE STRUCTURES (E. MANHOLES, CURB INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND HAVE A BRUSHED FINISH.
  4. ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.



**PROFILE TWO**



**PLAN ONE**

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

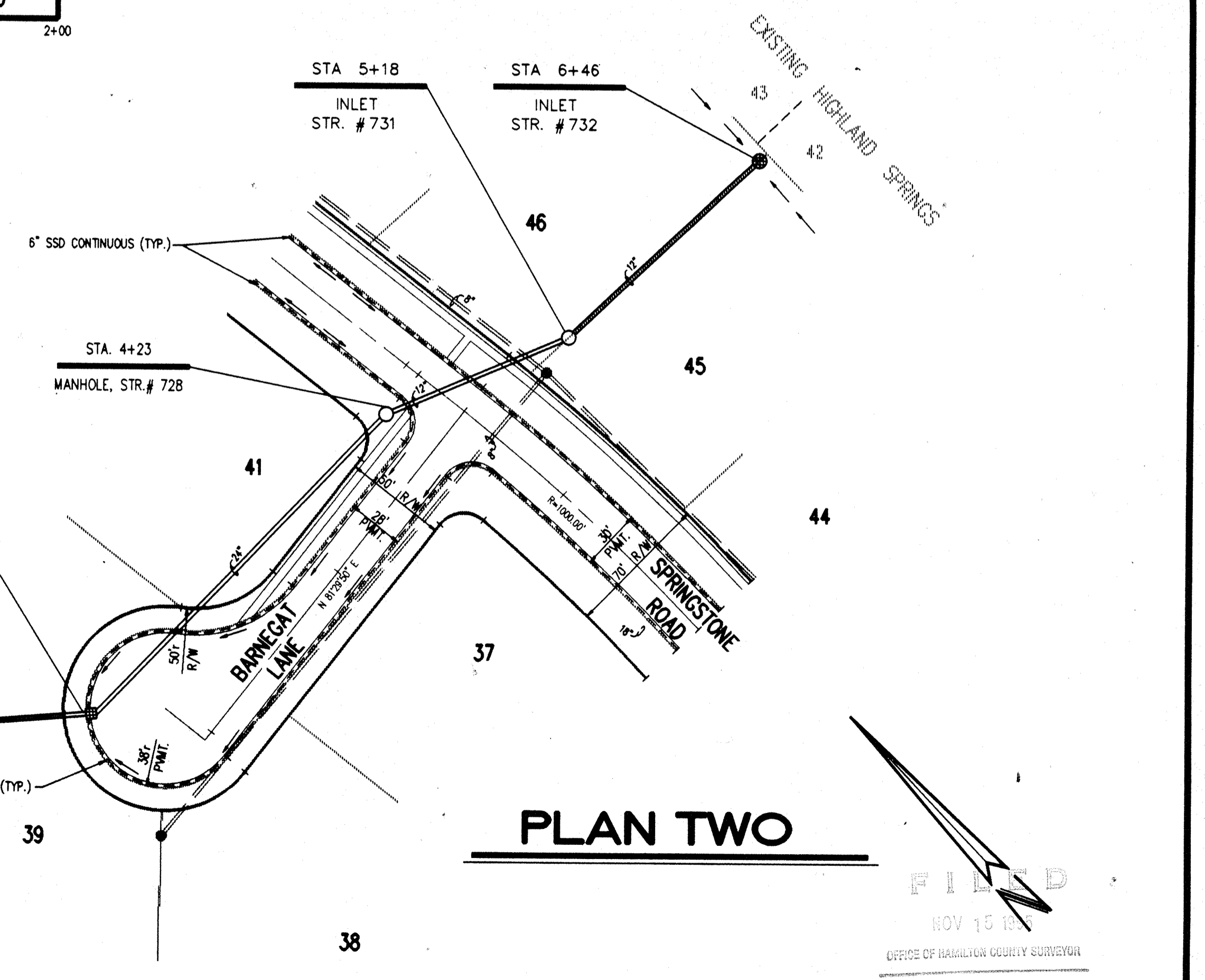
Entry Date: 6-30-04

Entered by: JPH

**RECORD DRAWING**

STA 0+00 END SECTION STR. # 726

100.00 DENOTES AS BUILT INFORMATION



**PLAN TWO**



CERTIFIED BY: Joseph A. Sharp, 8.6.03 DATE

REVISIONS	
06/04/03 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS	09/27/03 ELIMINATED PLAN & PROFILE THREE, REVISED PLAN & PROFILE TWO
PLUS IN HOUSE CONSTRUCTION PLAN ENGINEERING REVIEW	PER SPRINGSTONE RD. & BARNEGET LANE GRADE REVISIONS
08/06/03 REVISED T.C.'S STR. # 728 PROFILE TWO, THIS SHT. REVISED PLAN & PROFILE	REVISED SANITARY SEWER CROSSINGS PER PLAN REVISIONS, ELIMINATED PM
THREE PER STREET GRADE REVISIONS, ELIMINATED STREET INLETS & STORM PIPE ALIGNMENT	2-2-04 AS BUILT STORM SEWERS



**PAUL I. CRIFE, INC.**  
7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK: DRAWN BY: RF  
ENG. CHK: DRAFTING CHK:

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

DATE: 06/04/03

CLIENT: MARINA LIMITED PARTNERSHIP

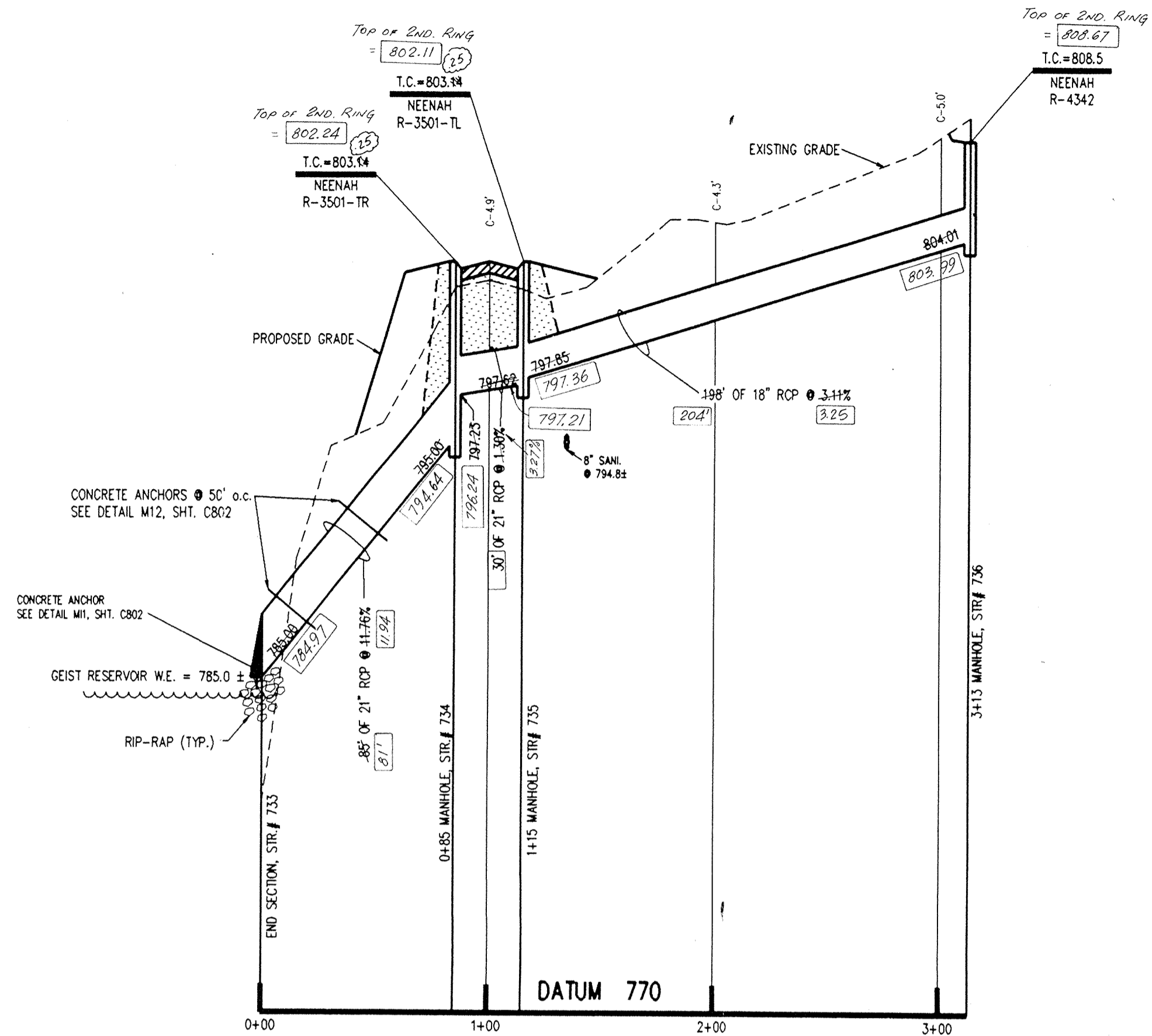
DWG. TYPE: FILE NUMBER: JOB NUMBER: 81100-21000

SHEET: C703

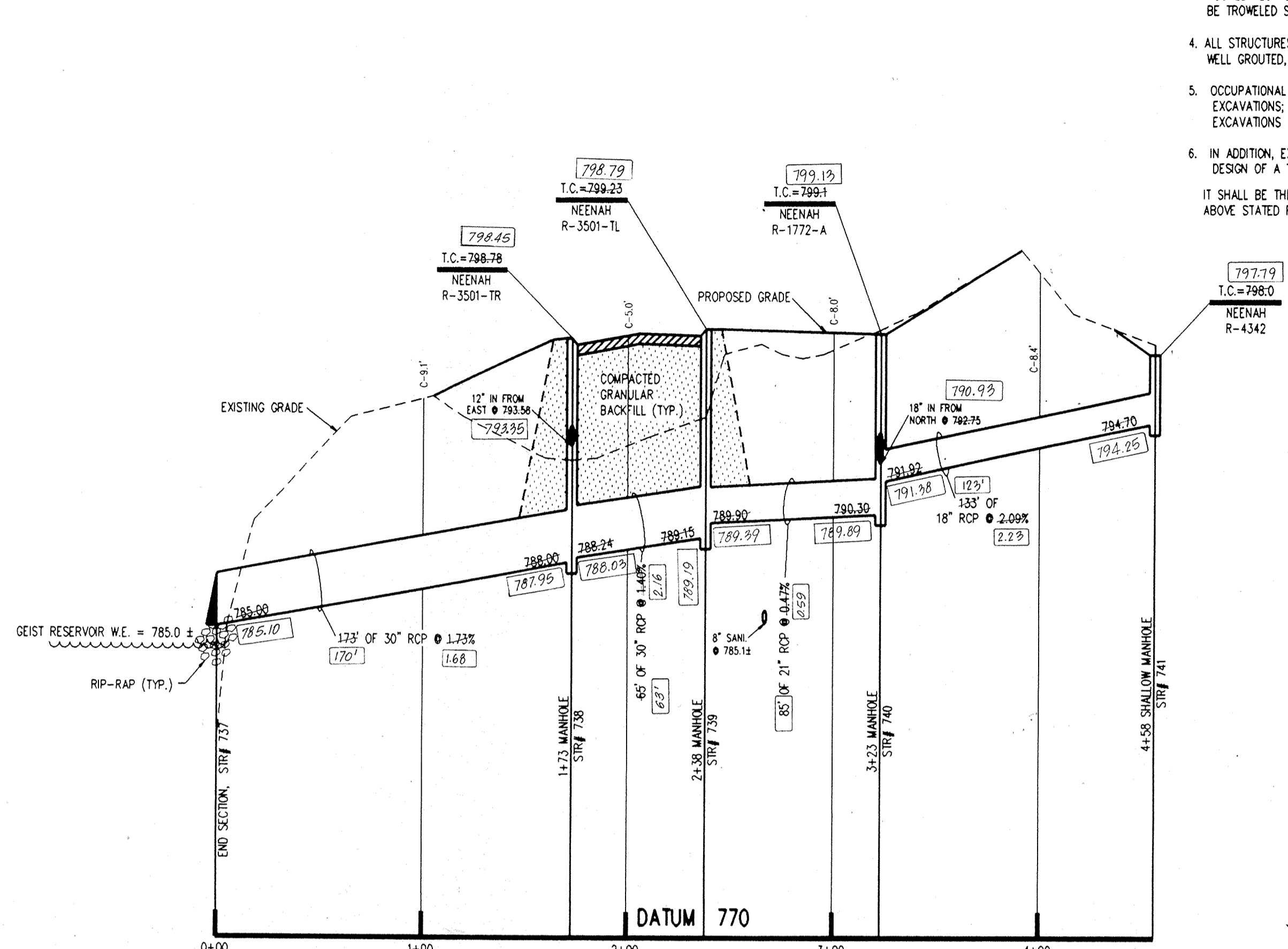
**STORM SEWER PLAN & PROFILE**

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

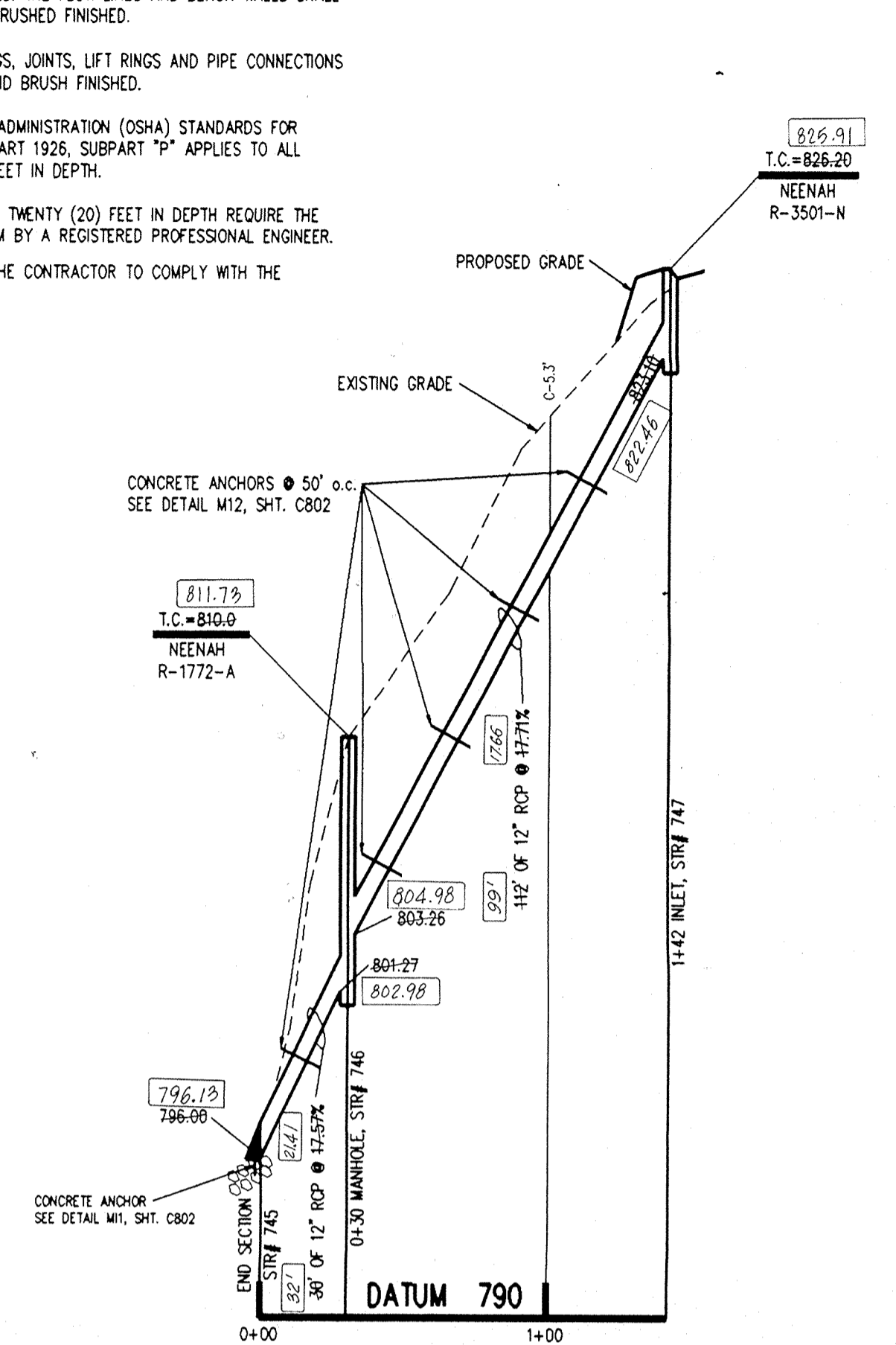
- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
  2. FIELD ADJUSTMENT BY ENGINEER MAY BE REQUIRED AT ALL OUTFALL POINTS TO INSURE PROPER OUTFALL CONDITIONS.
  3. ALL STORM DRAINAGE STRUCTURES (IE: MANHOLES, CURB INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND HAVE A BRUSHED FINISH.
  4. ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.



**PROFILE ONE**



**PROFILE TWO**




**PROFILE THREE**

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: 6-30-04

Entered by: JPH



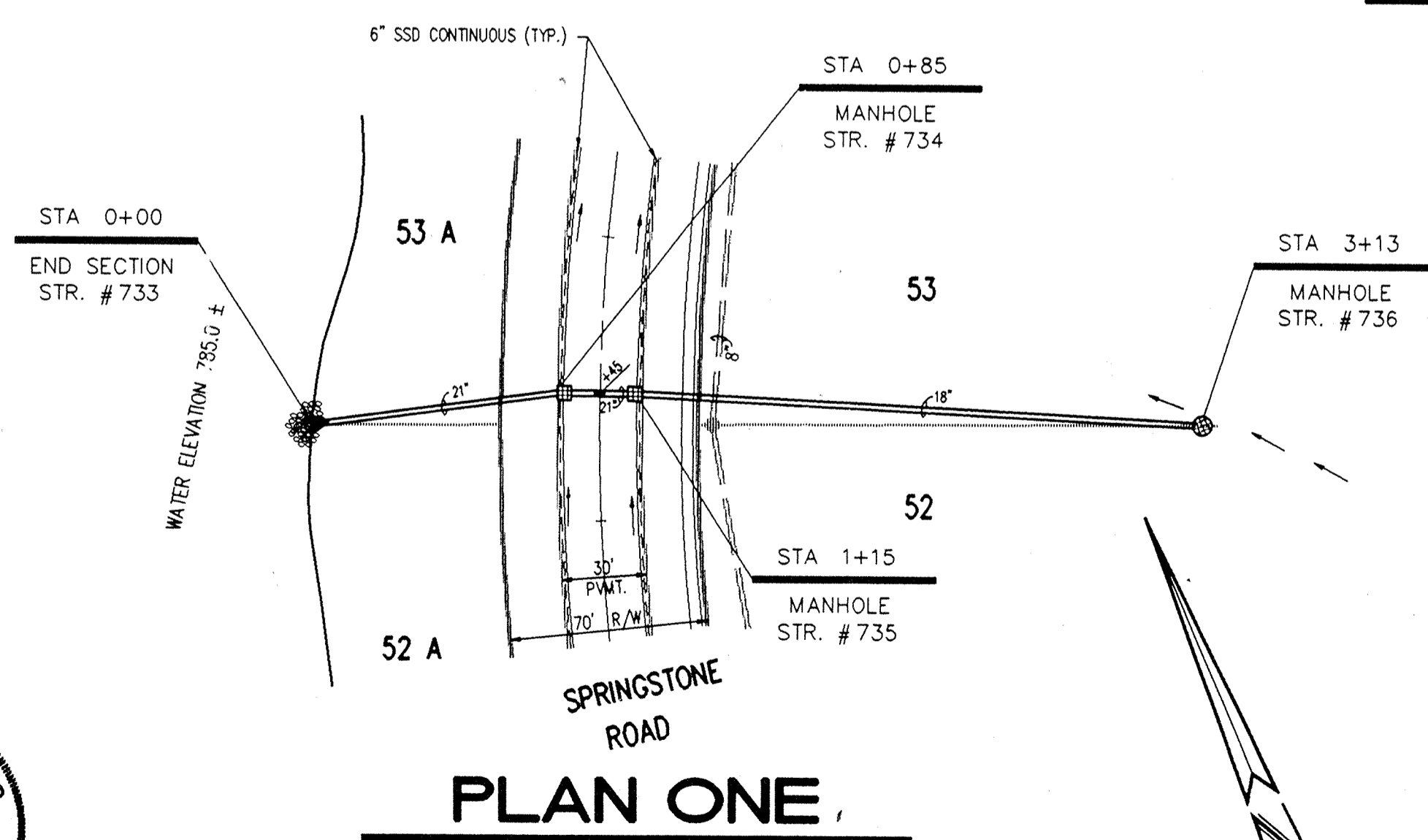
NOTE # 2  
 10' OF 18" RCP @ 1.50%  
 I.E. STR. #743 = 792.90  
 I.E. STR. #740 = 792.75  
 GRAN. BACKFILL REQ'D.  
 (NO PROFILE SHOWN)

NOTE # 3  
 36' OF 15" RCP @ 0.89%  
 I.E. STR. #744 = 793.42  
 I.E. STR. #743 = 793.10  
 GRAN. BACKFILL REQ'D.  
 (NO PROFILE SHOWN)

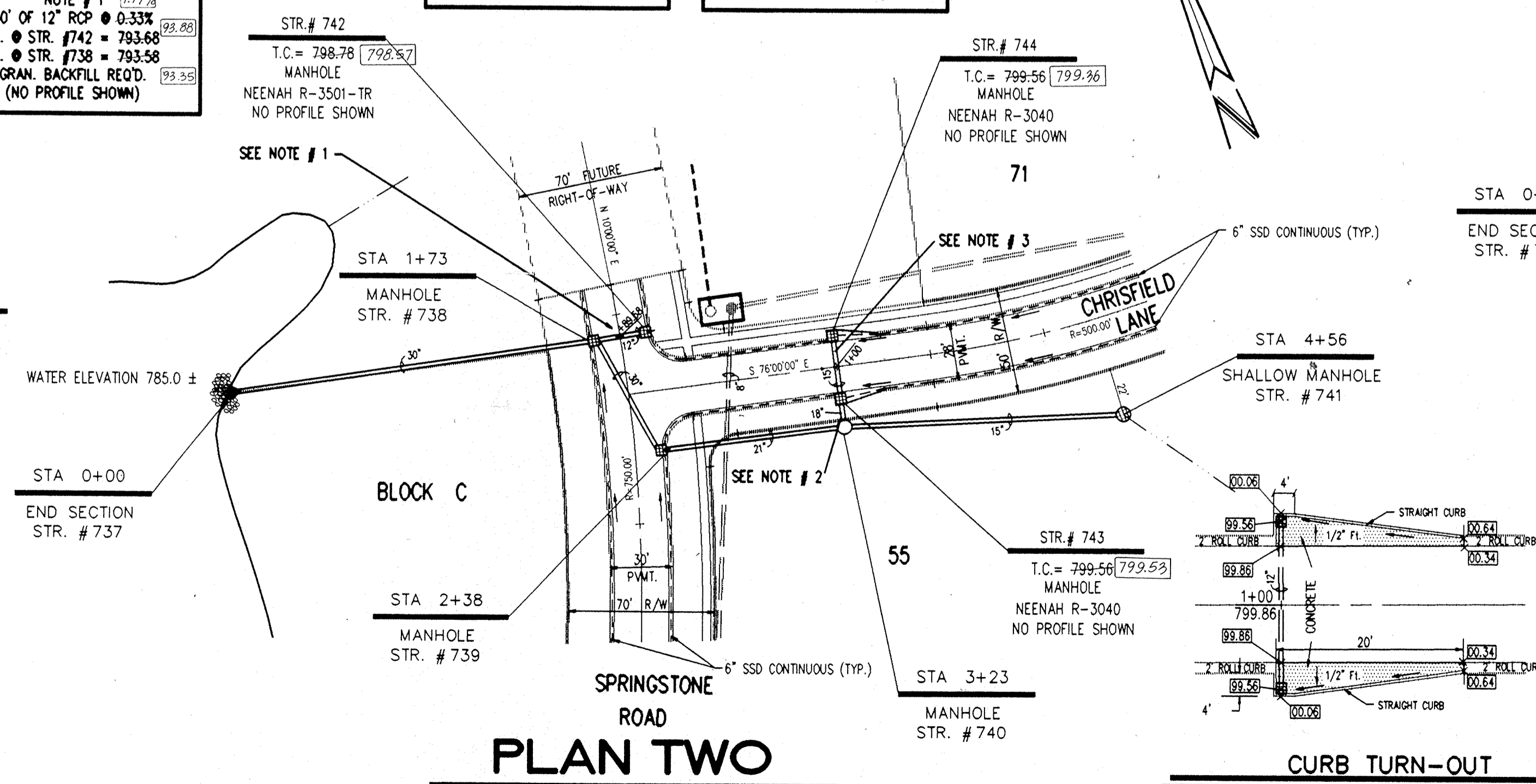
NOTE # 1  
 30' OF 12" RCP @ 0.33%  
 I.E. STR. #742 = 793.68  
 I.E. STR. #738 = 793.58  
 GRAN. BACKFILL REQ'D.  
 (NO PROFILE SHOWN)

**RECORD DRAWING**

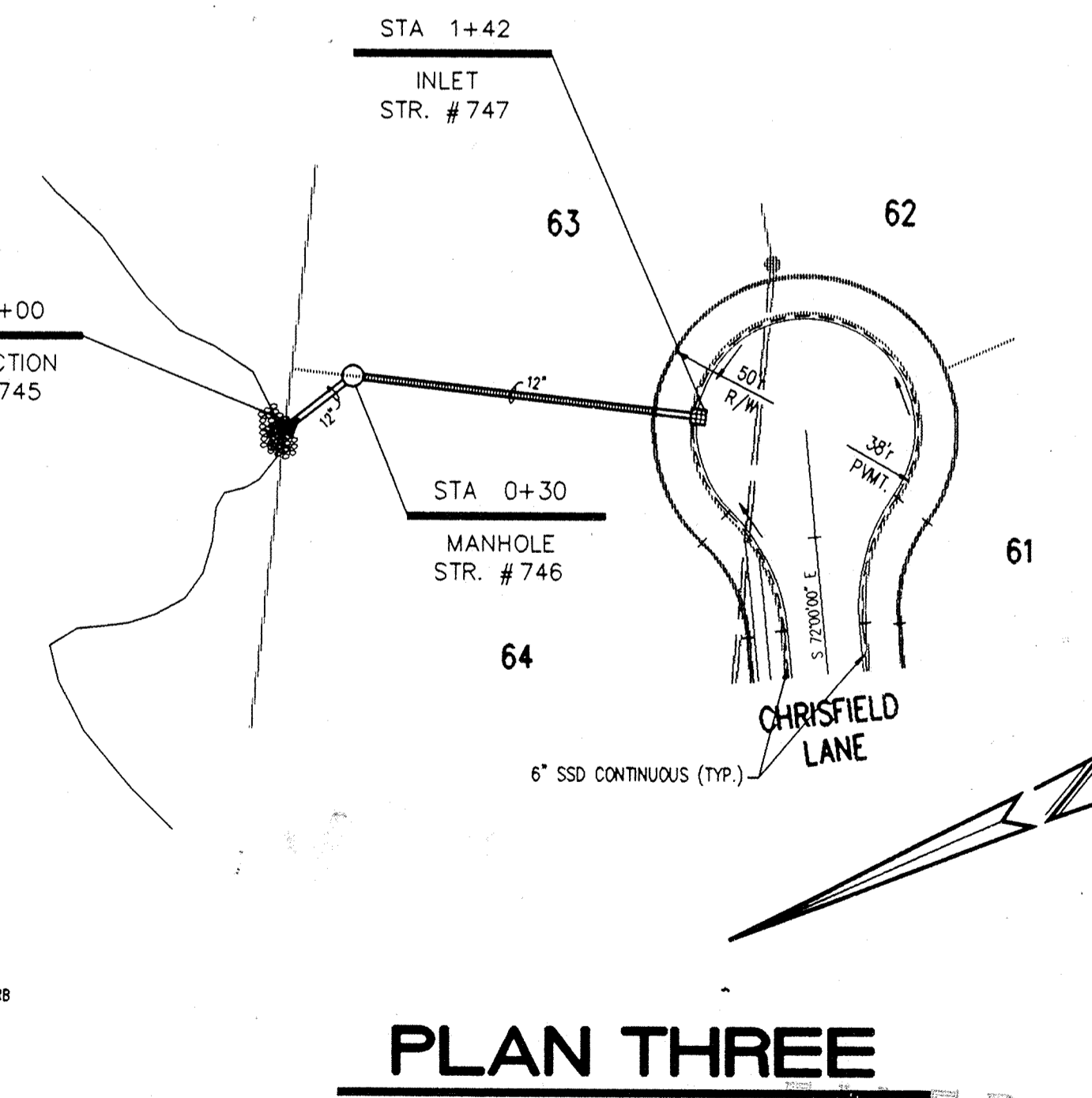
000.00 DENOTES AS BUILT INFORMATION



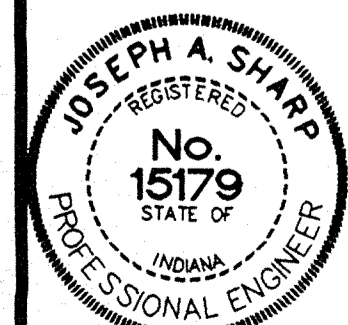
**PLAN ONE**



**PLAN TWO**

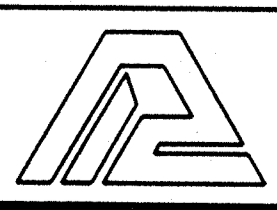


**PLAN THREE**



CERTIFIED BY:  
 Joseph A. Sharp  
 8.6.93 DATE

REVISIONS	
06/04/93 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS.	09/27/93 REVISED PLAN & PROFILE ONE & TWO PER STREET GRADE REVISIONS.
PLUS IN HOUSE CONSTRUCTION PLAN ENGINEERING REVIEW.	IN FIELD REVISED CURB TURN-OUT DETAIL PER REVISIONS.
08/06/93 REVISED CURB TURN-OUT DETAIL & PIPE LENGTH & T.C. PLAN & PROFILE TWO	REVISED PIPE ELEVATIONS STR 734 - 736 PER SEWER DIRECTION CHANGE.
BETWEEN STR. # 740 & 741 PER STREET GRADE REVISIONS.	REVISED SANITARY SEWER CROSSINGS PER SEWER CHANGES.



**PAUL I. CRIFE, INC.**  
 7172 GRAHAM ROAD  
 INDIANAPOLIS, INDIANA 46250  
 (317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK: DRAWN BY: RJS  
 ENG. CHK: DRFTNG. CHK:

SCALE: HORIZ. 1"=50'  
 VERT. 1"=5'  
 DATE: 06/04/93  
 CLIENT: MARINA LIMITED PARTNERSHIP

DWG. TYPE: FILE NUMBER: SHEET: C704

JOB NUMBER: 81100-21000

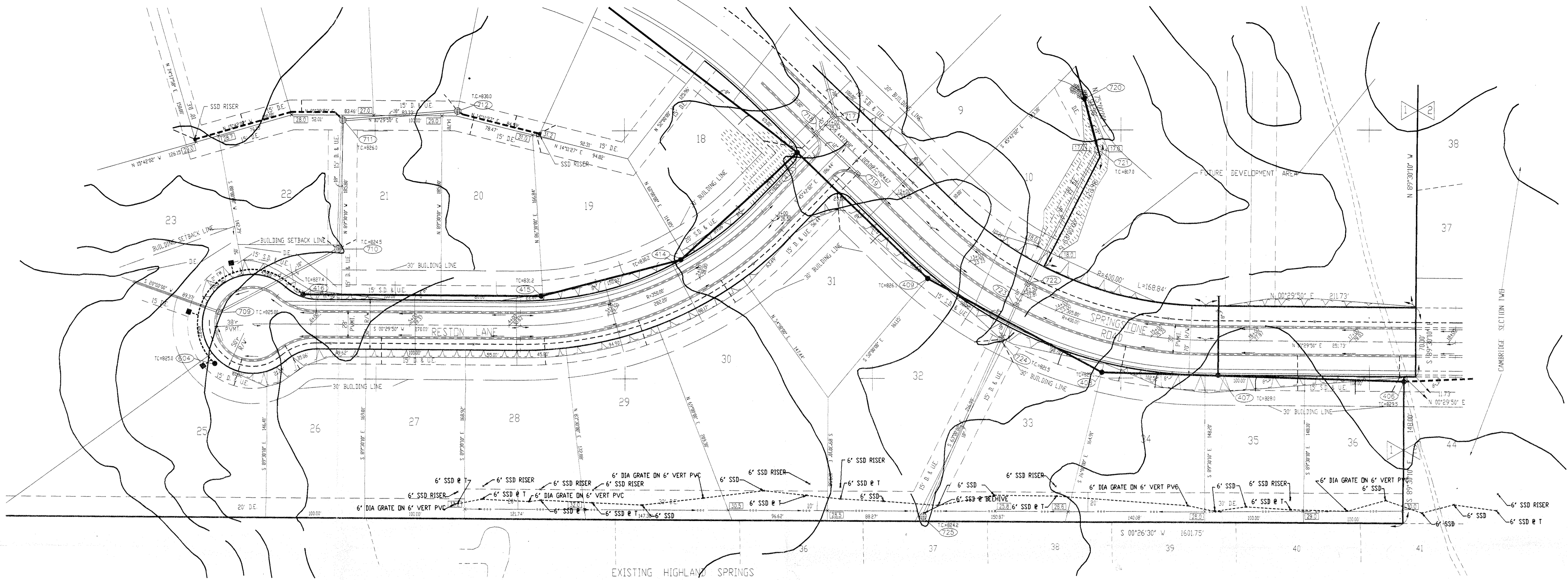
**STORM SEWER PLAN & PROFILE**

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

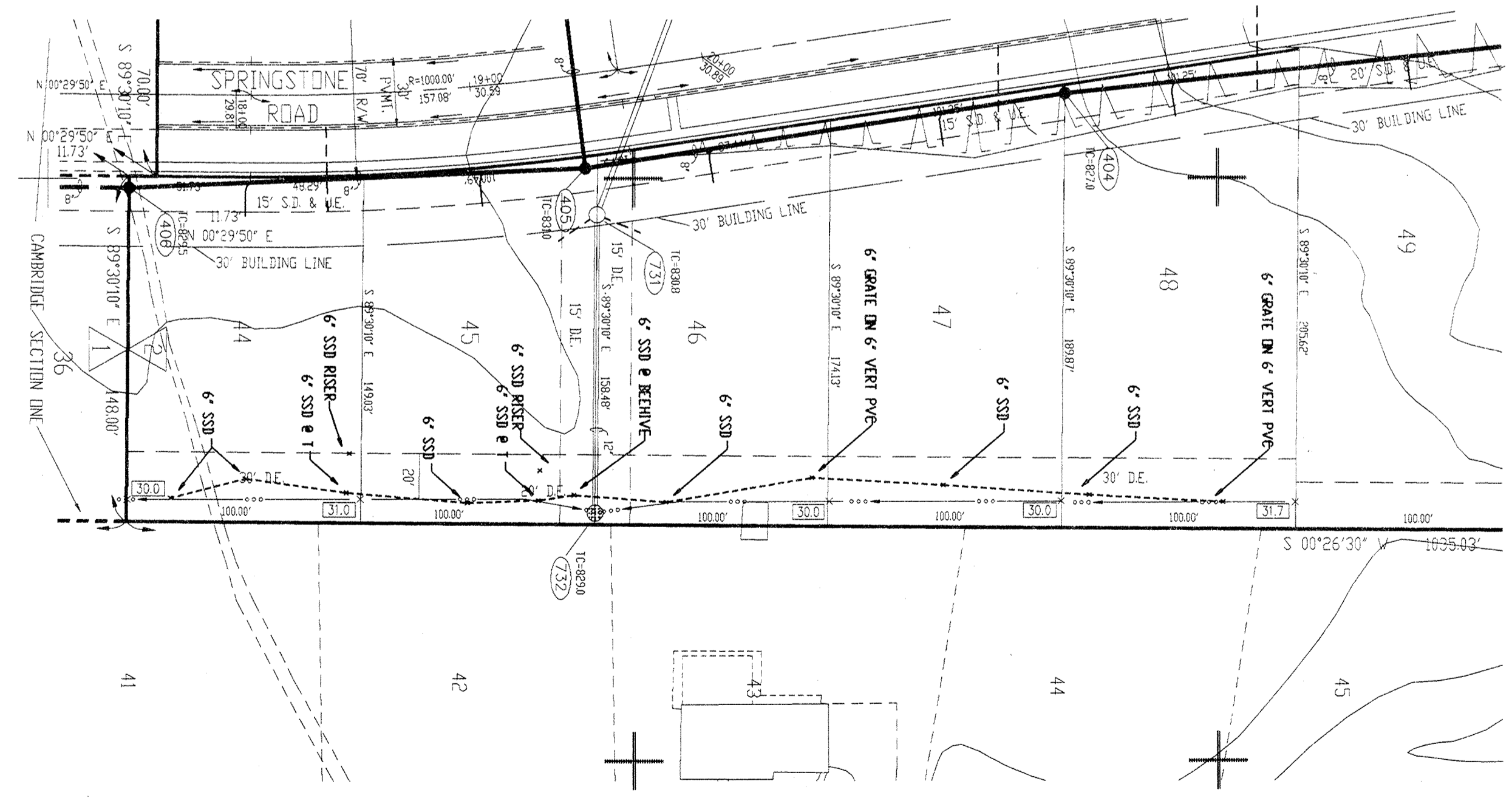
REV 15 1995

11/2/93 REVISED TO ELEV STR. 734 & 735 PER STR. C-33  
 8/26/94 REVISIONS  
 5-2-94 AS BUILT STORM SEWERS B.T.






PLAN ONE



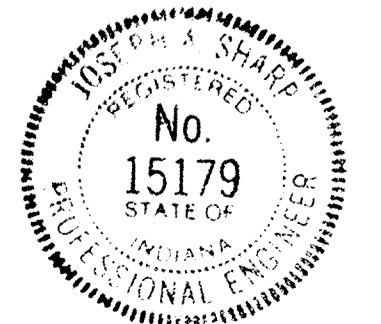
PLAN TWO


 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: 6-30-04  
 Entered by: JOK

**FILED**  
 AUG 26 1996  
 OFFICE OF HAMILTON COUNTY SURVEYOR

**DON'T DIG BLIND**  
  
 "HOLEY MOLEY"  
 1-800-382-5544  
 CALL TOLL FREE  
 1-800-428-5200  
 FOR CALLS OUTSIDE OF INDIANA

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, UTILITY MARKS, UTILITY RECORDS 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.



**RECORD DRAWING**

CERTIFIED BY:  
*Joseph A. Shay*  
 1-3-96 DATE

REVISIONS	REVISIONS



**PAUL I. CRIFE, INC.**  
 7172 GRAHAM ROAD  
 INDIANAPOLIS, INDIANA 46250  
 317-842-6772

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY CONTROL CHECK:  
 DATE:

DATE: 01-03-96  
 SCALE: 1"=50'

DRAWING TITLE:  
**SITE DEVELOPMENT PLAN  
 SSD AS BUILTS**

DWG. TYPE	FILE NUMBER	SHEET:

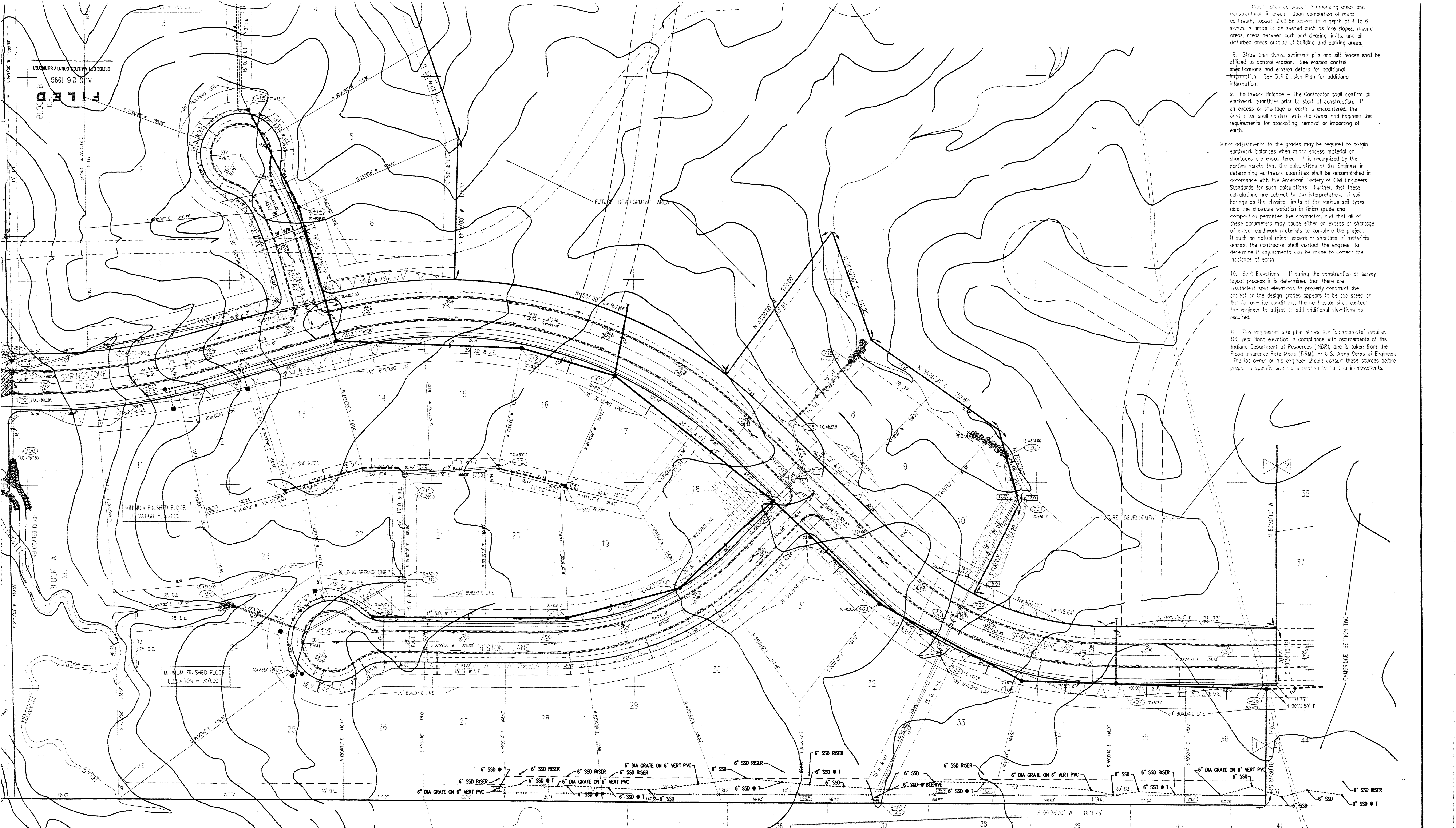
**C201A**

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO









8. Straw bale dams, sediment pits and silt fences shall be utilized to control erosion. See erosion control specifications and erosion details for additional information. See Soil Erosion Plan for additional information.
9. Earthwork Balance - The Contractor shall confirm all earthwork quantities prior to start of construction. If an excess or shortage of earth is encountered, the Contractor shall confirm with the Owner and Engineer the requirements for stockpiling, removal or importing of earth.
- Minor adjustments to the grades may be required to obtain earthwork balances when minor excess material or shortages are encountered. It is recognized by the parties hereto that the calculations of the Engineer in determining earthwork quantities shall be accomplished in accordance with the American Society of Civil Engineers Standards for such calculations. Further, that these calculations are subject to the interpretations of soil borings as the physical limits of the various soil types, also the allowable variation in finish grade and compaction permitted the contractor, and that all of these parameters may cause either an excess or shortage of actual earthwork materials to complete the project. If such an actual minor excess or shortage of materials occurs, the contractor shall contact the engineer to determine if adjustments can be made to correct the imbalance of earth.
- 10] Spot Elevations - If during the construction or survey process it is determined that there are insufficient spot elevations to properly construct the project or the design grades appears to be too steep or flat for on-site conditions, the contractor shall contact the engineer to adjust or add additional elevations as required.
11. This engineered site plan shows the "approximate" required 100 year flood elevation in compliance with requirements of the Indiana Department of Resources (IDR), and is taken from the Flood Insurance Rate Maps (FIRM), or U.S. Army Corps of Engineers. The lot owner or his engineer should consult these sources before preparing specific site plans relating to building improvements.

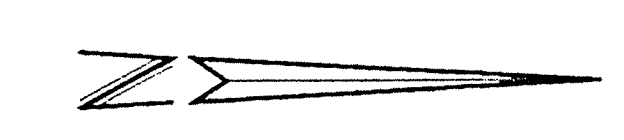
FILED  
AUG 26 1996  
OFFICE OF HAMILTON COUNTY SURVEYOR

MINIMUM FINISHED FLOOR ELEVATION = 810.00

MINIMUM FINISHED FLOOR ELEVATION = 810.00



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: 6-30-04  
Entered by: JON



THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

CERTIFIED BY:	06/04/93 REVISED PLANS PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS	09/27/93 REVISED GRADES ALONG SPRINGSTONE ROAD (FORMERLY WATERWAY RD)	<b>PAUL I. CRIFE, INC.</b> 7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250 (317) 842-6777	• CIVIL ENGINEERING	CONCEPT CHK:	DRAWN BY:	SCALE:	DATE:	CLIENT:	DWG. TYPE	FILE NUMBER	SHEET: <b>C201</b>
	DATE:	06/04/93 REVISED PLANS PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS LETTER DATED 06/04/93		PER FIELD CHANGES, REVISED P&T & CONNECTING STRUCTURES 7/28/2004 7/31/2004	• LAND SURVEYING	ENG CHK:	DRFTNG. CHK:	1" = 50'	06/04/93	MARINA LIMITED PARTNERSHIP		
	06/29/93 REVISED LIFT STATION LAYOUT FOR MANUFACTURE COMMENTS	11/21/93 REVISED PER H.C. SURVEYORS COMMENT LETTER DATED 11/09/93		• ARCHITECTURE	DRAWING TITLE:			SITE DEVELOPMENT PLAN ( SECTION ONE )			JOB NUMBER	
	12/26/93 REVISED EASEMENTS PER HAMILTON CO. SURVEYOR LOTS 24, 11, 12 & 13	11/23/93 REVISED TO SURE # 761 LOT # PER FIELD REVISION		• LAND PLANNING							81100-21000	

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office, One Hamilton Co. Square, Ste. 188, Noblesville, In 46060