



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

January 7, 1994

TO: Hamilton County Drainage Board

Re: Springs of Cambridge Drain-Section 2

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 2 the Springs of Cambridge 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 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	5368ft	18" RCP	341ft	30" RCP	238ft
12" RCP	395ft	21" RCP	200ft	Open Ditch	650ft
15" RCP	36ft	24" RCP	423ft		

The total length of the drain will be 7651 feet.

The open ditch shown above is that portion of swales serving as regulated drainage outlets from Highland Springs Lots 49 and 80. These swales run across the rear of Lots 62 and 63 and across Lots 55, 56, 57 in Springs of Cambridge Drain-Section 2.

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 \$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 \$_____.

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 easement widths as shown on the secondary plat for Springs of Cambridge Section 2 as recorded in the office of the

Hamilton County Recorder.

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



Kenton C. Ward
Hamilton County Surveyor

KCW/no

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: The Springs of Cambridge Subdivision, Section Two
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

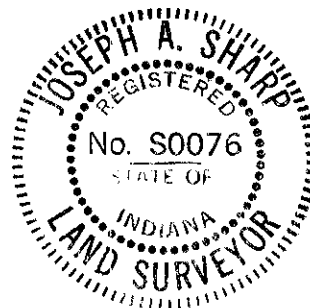
Business Address: 7172 Graham Road

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

To: Hamilton County Drainage Board

May 28, 1997

**Re: Springs of Cambridge - Sec. 2 arm
Revised Report**

Attached are as-builts, certificate of completion & compliance, and other information for Springs of Cambridge Sec. 2. 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 January 7, 1994. The changes are as follows:

Structure 732-731 12" RCP shortened from 128' feet to 121' feet.
Structure 731-728 12" RCP lengthened from 95' feet to 98' feet.
Structure 728-727 24" RCP shortened from 208' feet to 206' feet.
Structure 727-726 24" RCP shortened from 215' feet to 205' feet.
Structure 747-746 12" RCP shortened from 112' feet to 99' feet.
Structure 746-745 12" RCP lengthened from 30' feet to 32' feet.
Structure 741-740 18" RCP shortened from 133' feet to 123' feet.
Structure 739-738 30" RCP shortened from 65' feet to 63' feet.
Structure 738-737 30" RCP shortened from 173' feet to 170' feet.
Structure 736-735 18" RCP lengthened from 198' feet to 204' feet.
Structure 734-733 21" RCP shortened from 85' feet to 81' feet.
There was 440' feet of 6" SSD added across the rear of lots 44-48.

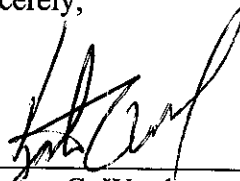
The length of the drain due to the changes described above is now **8,051 feet**.

The non-enforcement was approved by the Board at its meeting on March 28, 1994 and recorded under instrument #9418647.

The bond or letter of credit from NBD, number SB 036329, dated November 13, 1993, in the amount of \$169,517.00, has expired.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kerton C. Ward", written over a horizontal line.

Kerton C. Ward,
Hamilton County Surveyor

KCW/slm



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

January 22, 1997

Re: Springs of Cambridge - Sec. 2 arm

** See Revised Report*

Attached are as-builts, certificate of completion & compliance, and other information for Springs of Cambridge Sec. 2. 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 January 7, 1994. The changes are as follows:

Structure 732-731 12" RCP shortened from 128' feet to 121' feet.
Structure 731-728 12" RCP lengthened from 95' feet to 98' feet.
Structure 728-727 24" RCP shortened from 208' feet to 206' feet.
Structure 727-726 24" RCP shortened from 215' feet to 205' feet.
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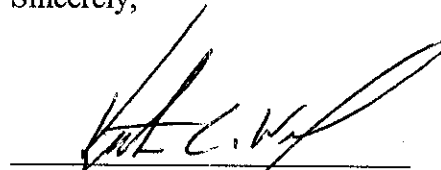
The length of the drain due to the changes described above is now **7,611 feet**.

The non-enforcement was approved by the Board at its meeting on March 28, 1994 and recorded under instrument #9418647.

The bond or letter of credit from NBD, number SB 036329, dated November 13, 1993, in the amount of \$169,517.00, has expired.

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

Sincerely,



Keaton C. Ward,
Hamilton County Surveyor

KCW/slm



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 2 Arm

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Springs of Cambridge Drain Arm Section 2. 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 January 7, 1994. The changes are as follows:

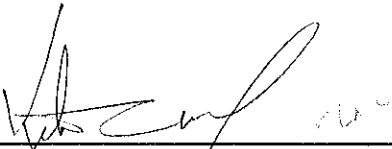
STR	732	to	731	12"	RCP	shortened	from	128'	to	121	feet
STR	731	to	728	12"	RCP	lengthened	from	95'	to	98	feet
STR	728	to	727	24"	RCP	shortened	from	208'	to	206	feet
STR	727	to	726	24"	RCP	shortened	from	215'	to	205	feet
STR	747	to	746	12"	RCP	shortened	from	112'	to	99	feet
STR	746	to	745	12"	RCP	lengthened	from	30'	to	32	feet
STR	741	to	740	18"	RCP	shortened	from	133'	to	123	feet
STR	739	to	738	30"	RCP	shortened	from	65'	to	63	feet
STR	738	to	735	30"	RCP	shortened	from	173	to	170	feet
STR	736	to	735	18"	RCP	lengthened	from	198'	to	204	feet
STR	734	to	733	21"	RCP	shortened	from	85'	to	81	feet

The total length of the drain due to the changes described above is now 7,611 feet.

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 036329, dated November 19, 1993, in the amount of \$169,517.00, has expired.

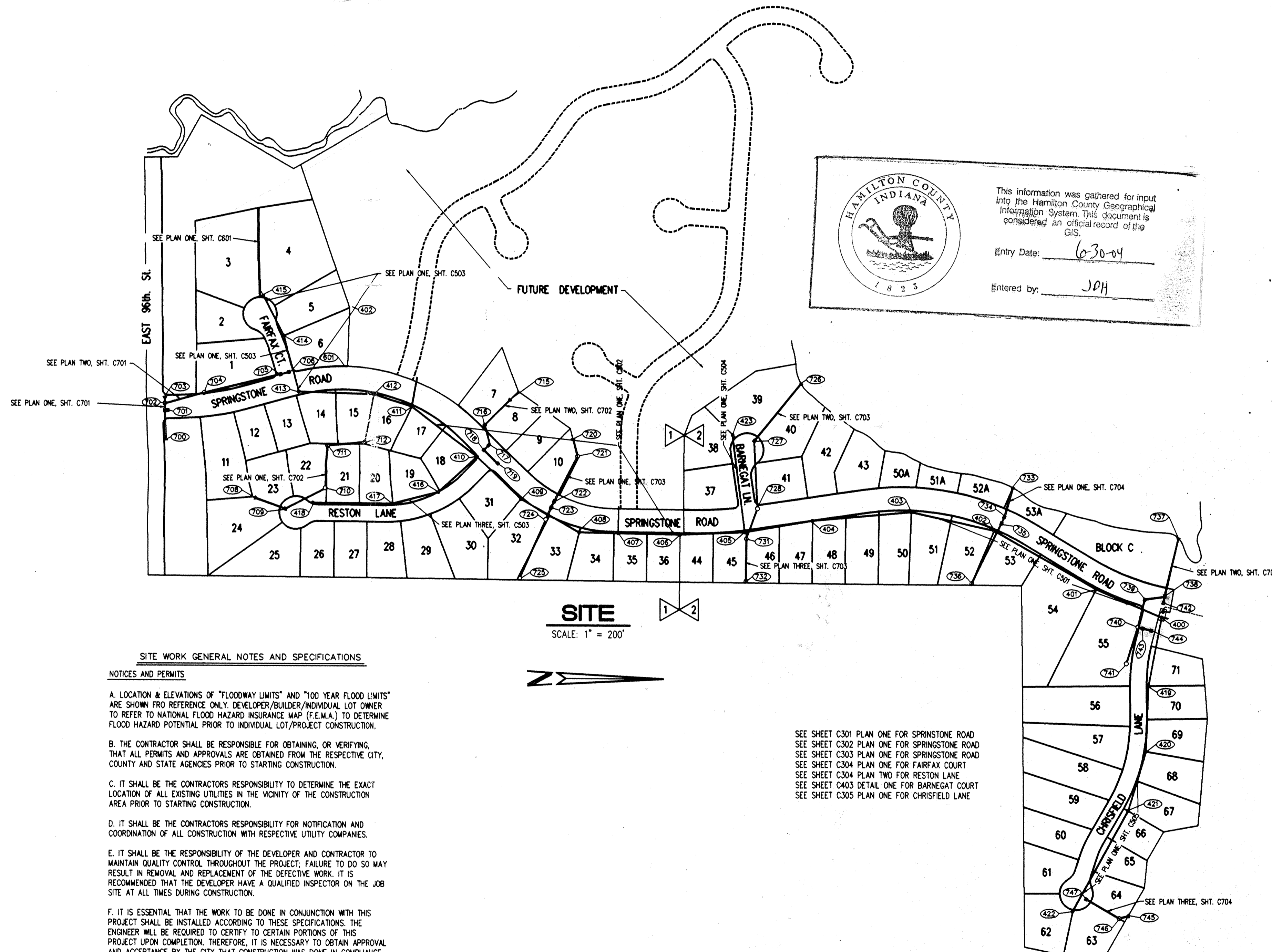
I recommend the Board approve the drains construction as complete and acceptable.

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

Kenton C. Ward
Hamilton County Surveyor

KCW/no

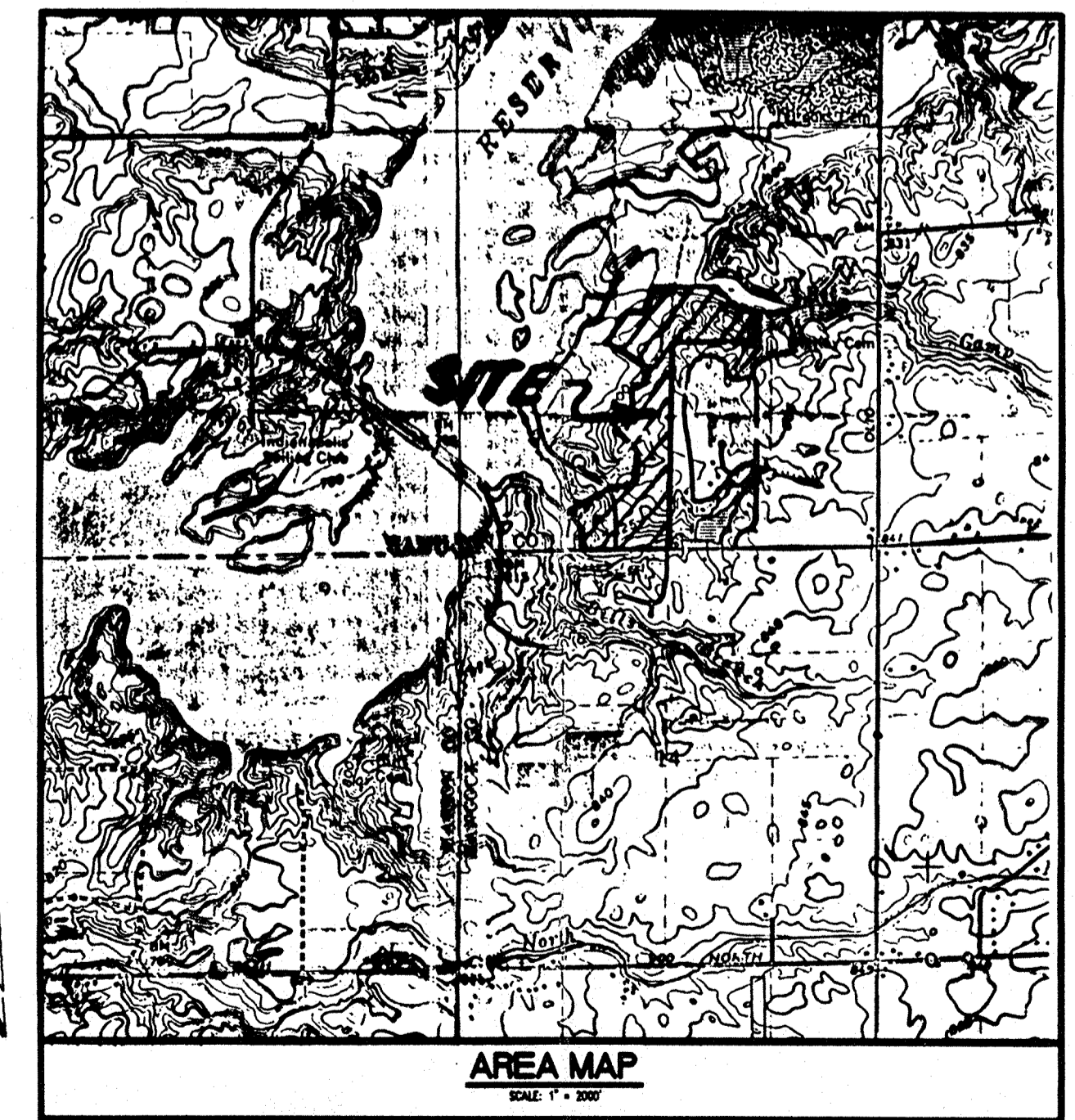
CONSTRUCTION PLANS FOR THE SPRINGS OF CAMBRIDGE SUBDIVISION SECTIONS ONE AND TWO



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.
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

**REVISED PRINT
DATE NOV 12 1993**



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 CONTRACTOR'S 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 CONTRACTOR'S 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.

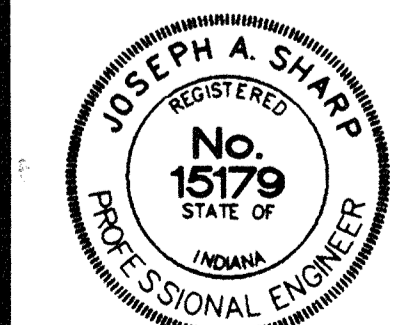
SEE SHEET C301 PLAN ONE FOR SPRINGSTONE ROAD
SEE SHEET C302 PLAN ONE FOR SPRINGSTONE ROAD
SEE SHEET C303 PLAN ONE FOR SPRINGSTONE ROAD
SEE SHEET C304 PLAN ONE FOR FAIRFAX COURT
SEE SHEET C304 PLAN TWO FOR RESTON LANE
SEE SHEET C403 DETAIL ONE FOR BARNEGAT COURT
SEE SHEET C305 PLAN ONE FOR CHRISFIELD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

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

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



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

REVISIONS
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

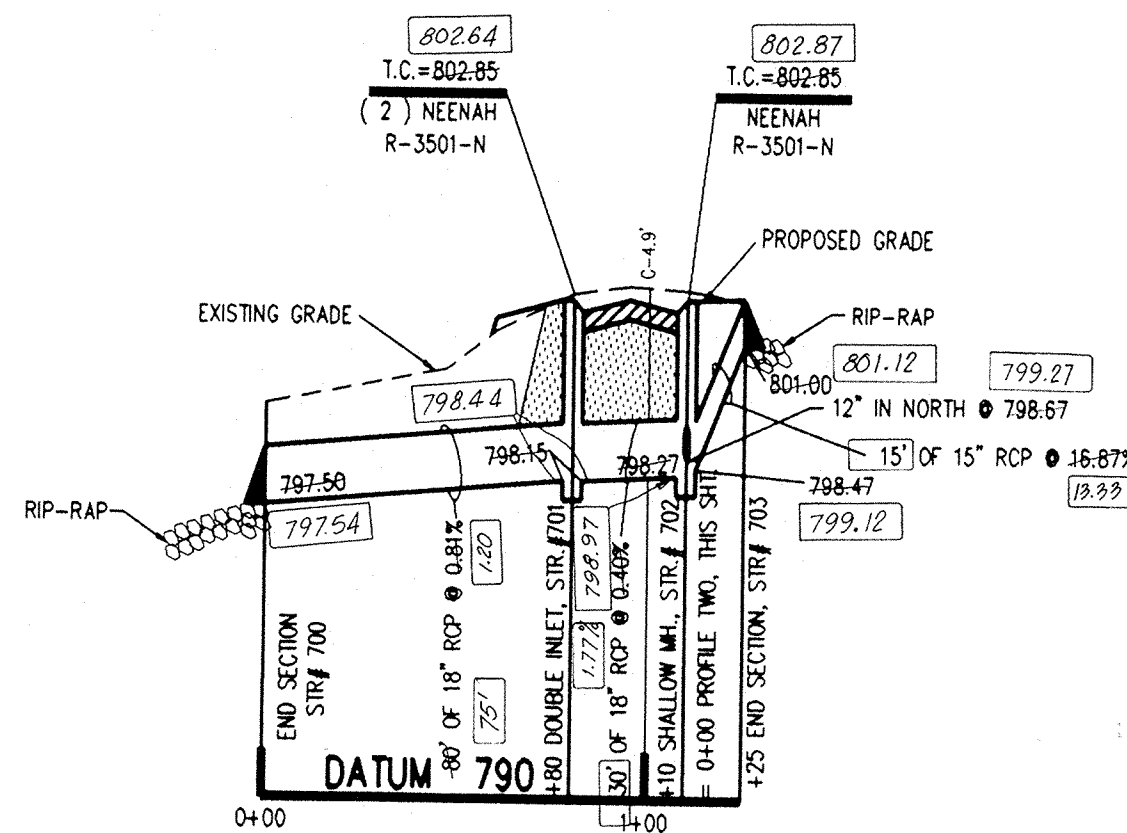
PAUL I. CRIFE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777

• CIVIL ENGINEERING
• LAND SURVEYING
• ARCHITECTURE
• LAND PLANNING

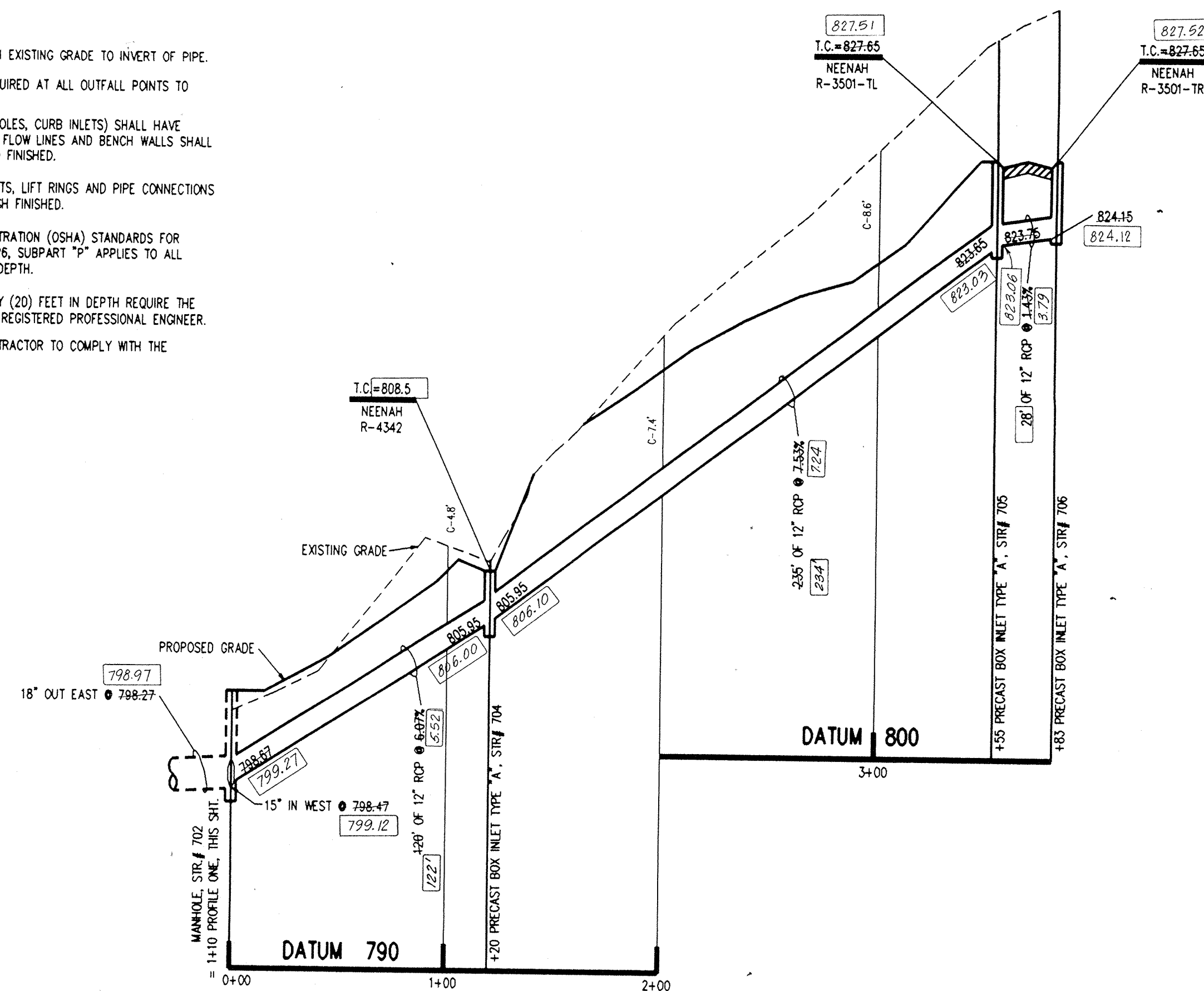
CONCEPT CHK: _____
DRAWN BY: *RF*
SCALE: AS NOTED
DATE: 06/04/93
CLIENT: MARINA LIMITED PARTNERSHIP
ENG. CHK: _____
DRFTNG. CHK: _____
DRAWING TITLE: COVER SHEET

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.
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- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.

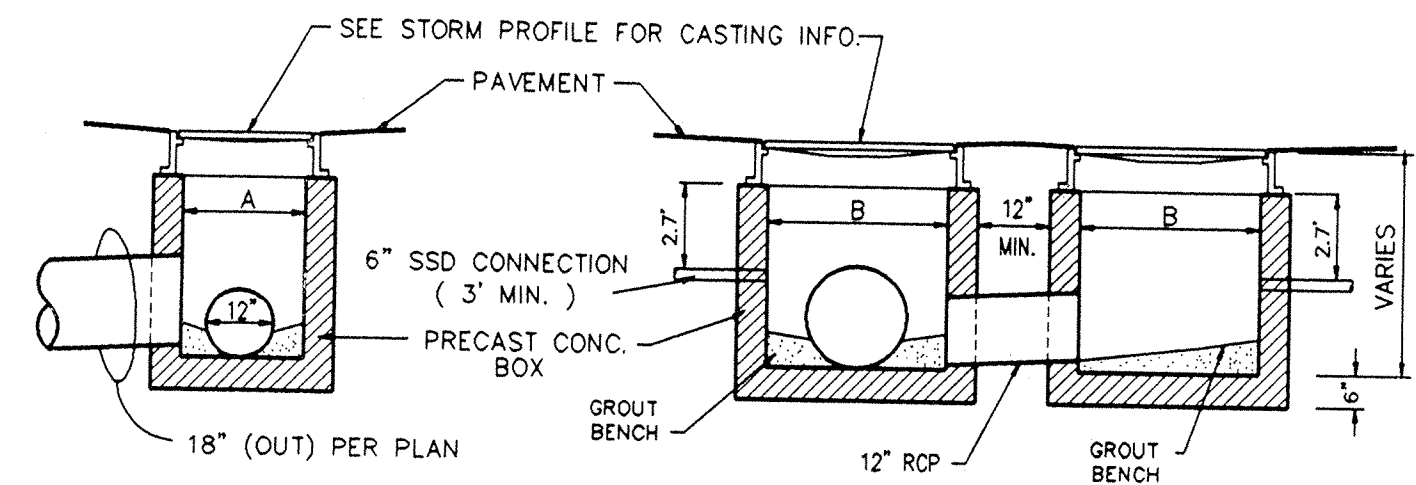


PROFILE ONE



PROFILE TWO

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"



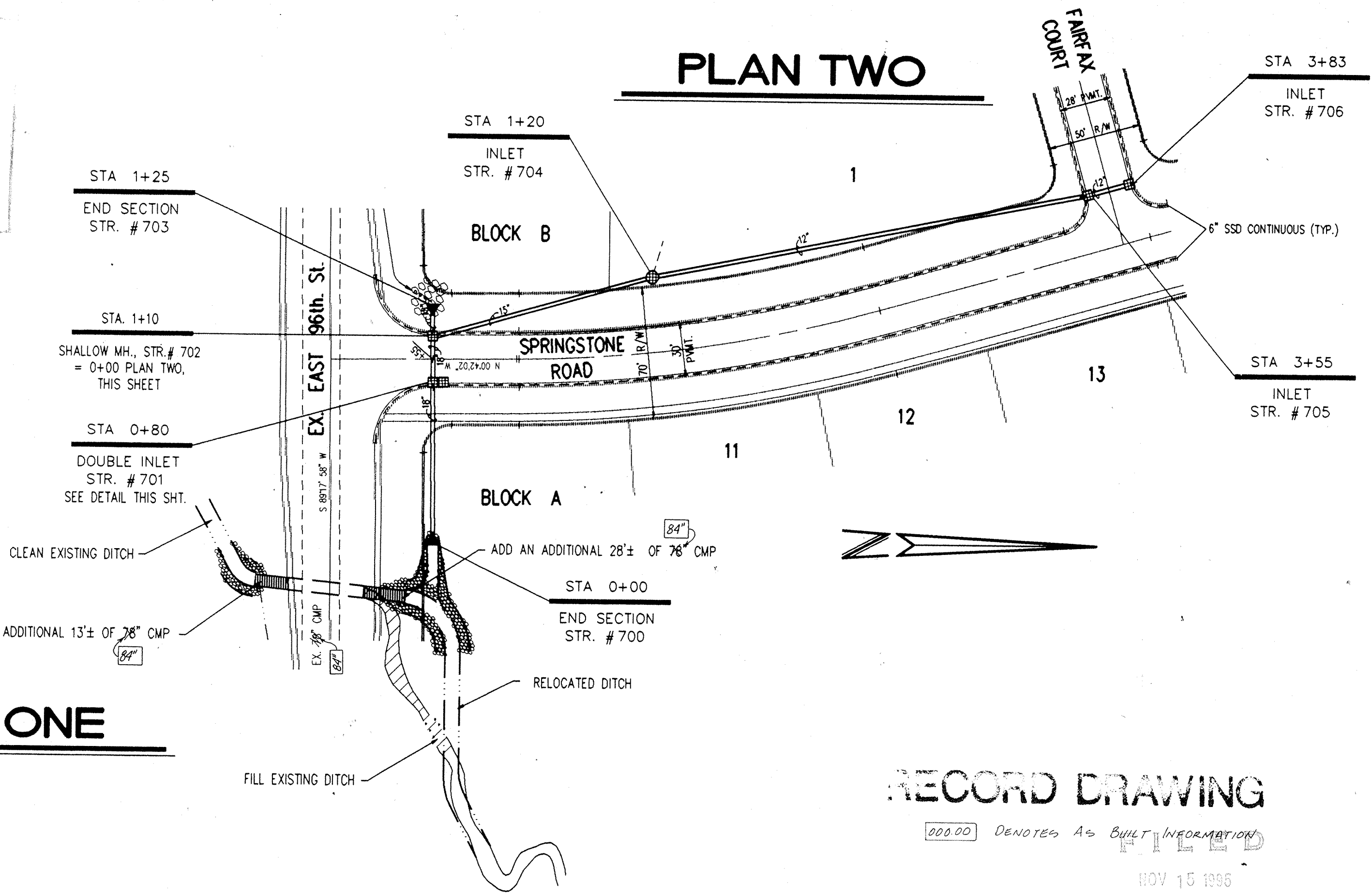
DOUBLE INLET STR. #701
NO SCALE

HAMILTON COUNTY INDIANA

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: JDH

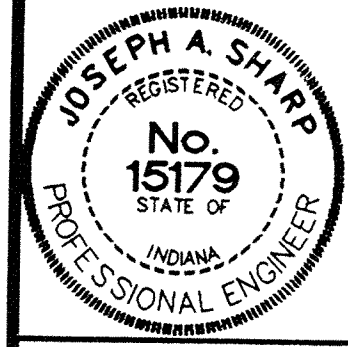


PLAN TWO

PLAN ONE

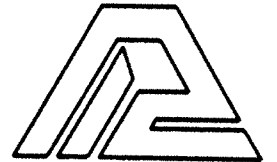
RECORD DRAWING

NOV 15 1995



CERTIFIED BY:
Joseph A. Sharp
8.6.93 DATE

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



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

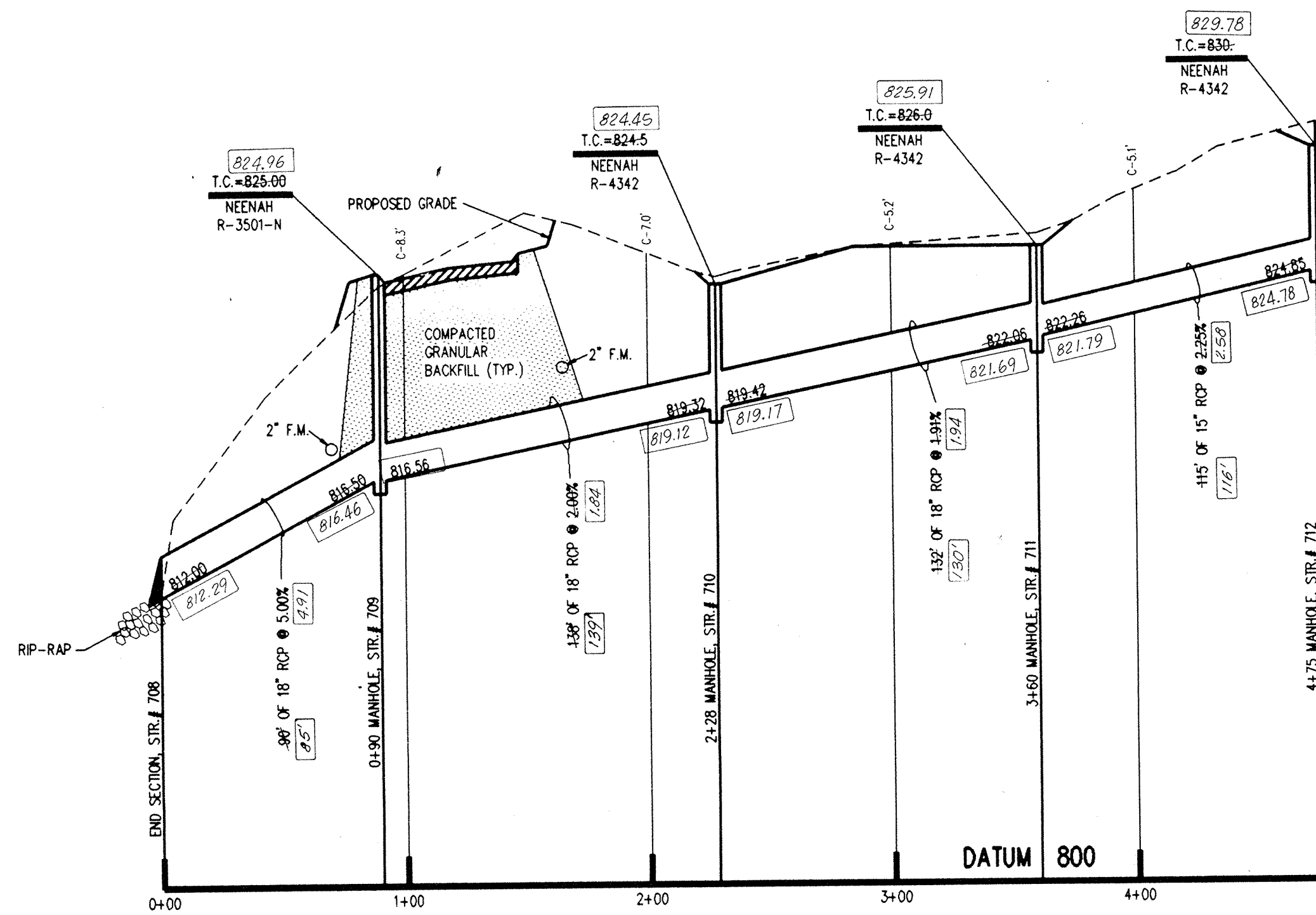
CLIENT:
MARINA LIMITED PARTNERSHIP

DWG. TYPE	FILE NUMBER	SHEET:
		C701

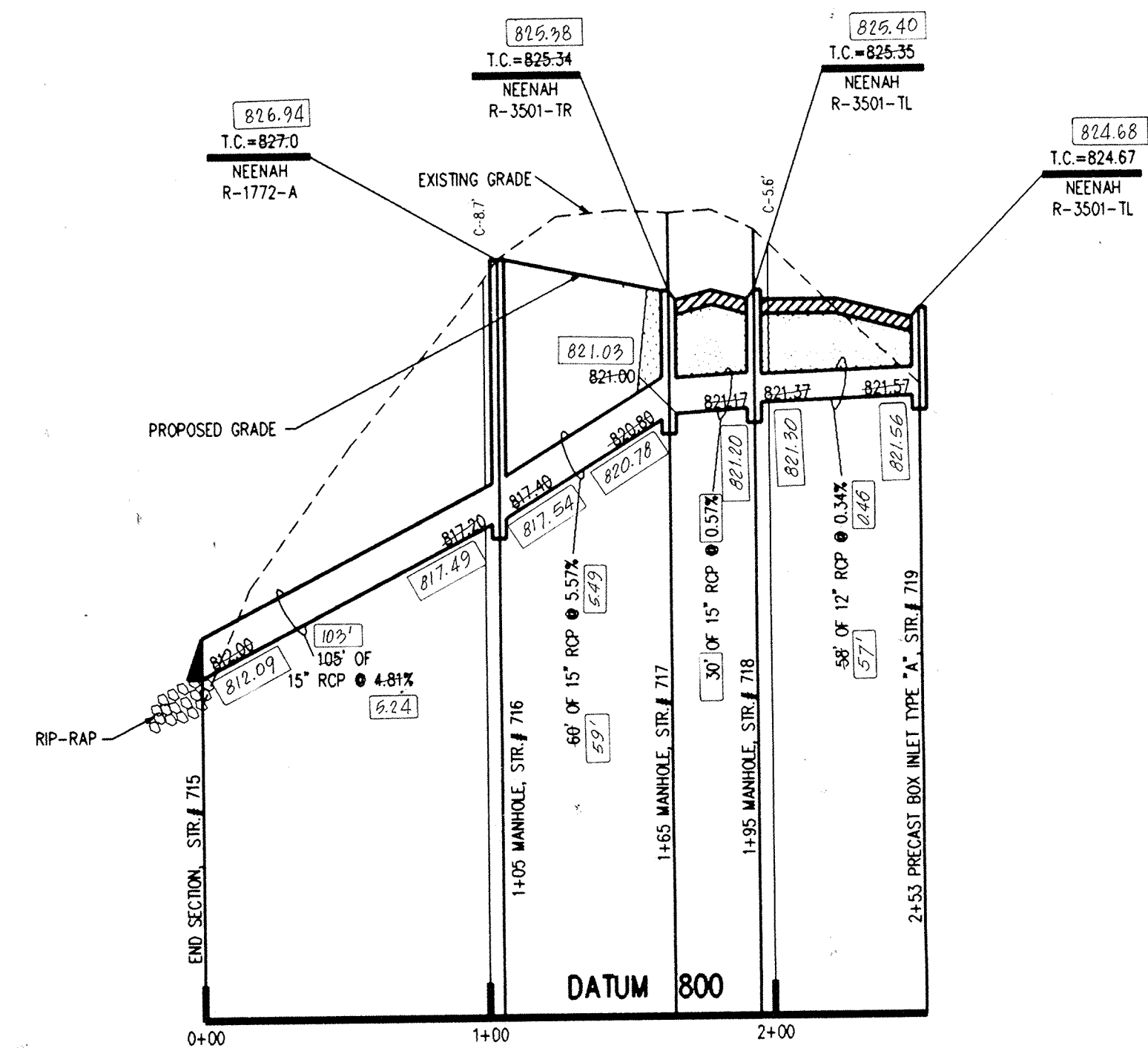
STORM SEWER PLAN & PROFILE

JOB NUMBER
81100-21000

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO



PROFILE ONE

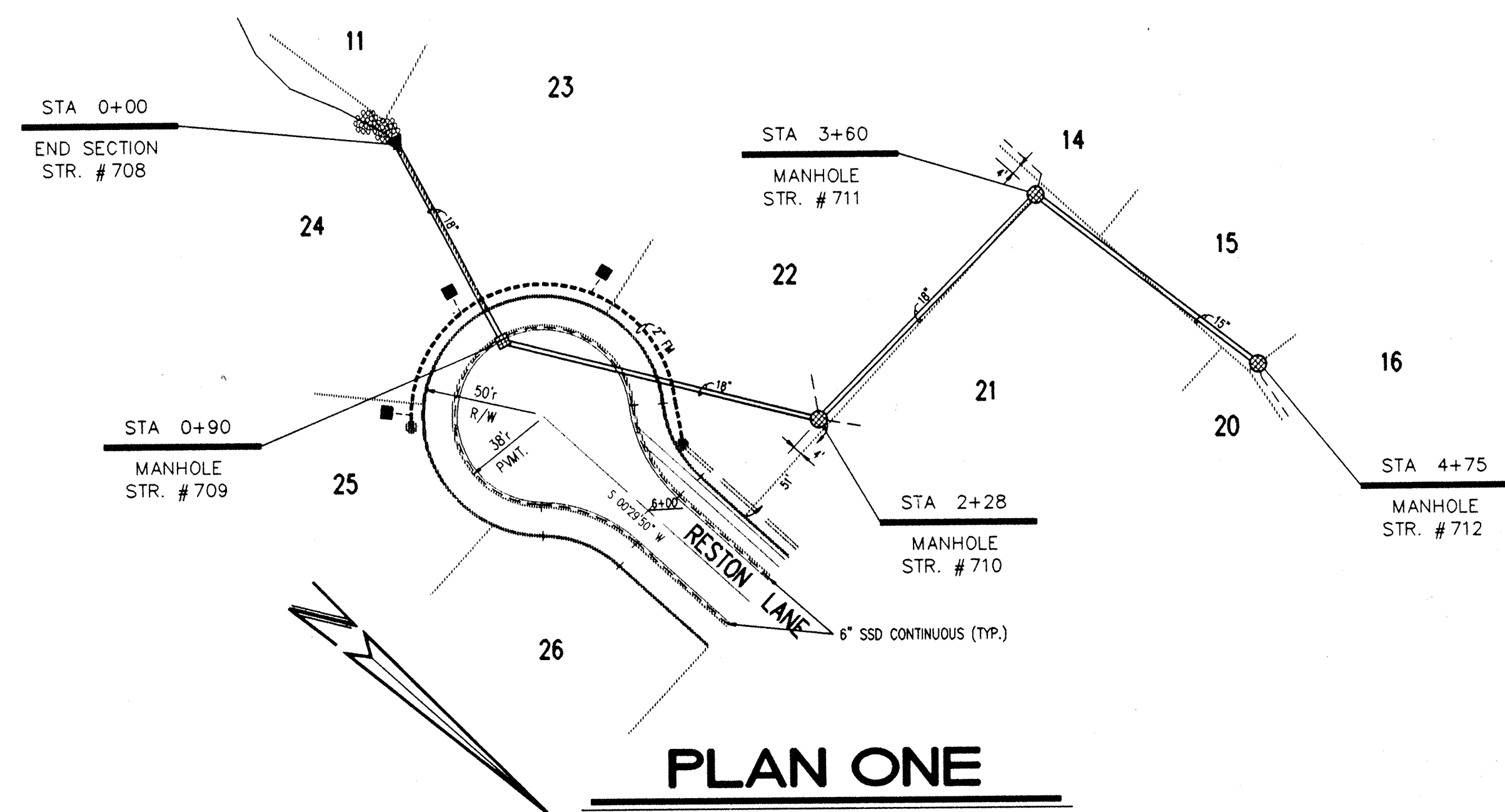


PROFILE TWO


DON'T DIG BLIND
 "HOLEY MOLEY" SEZ:

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

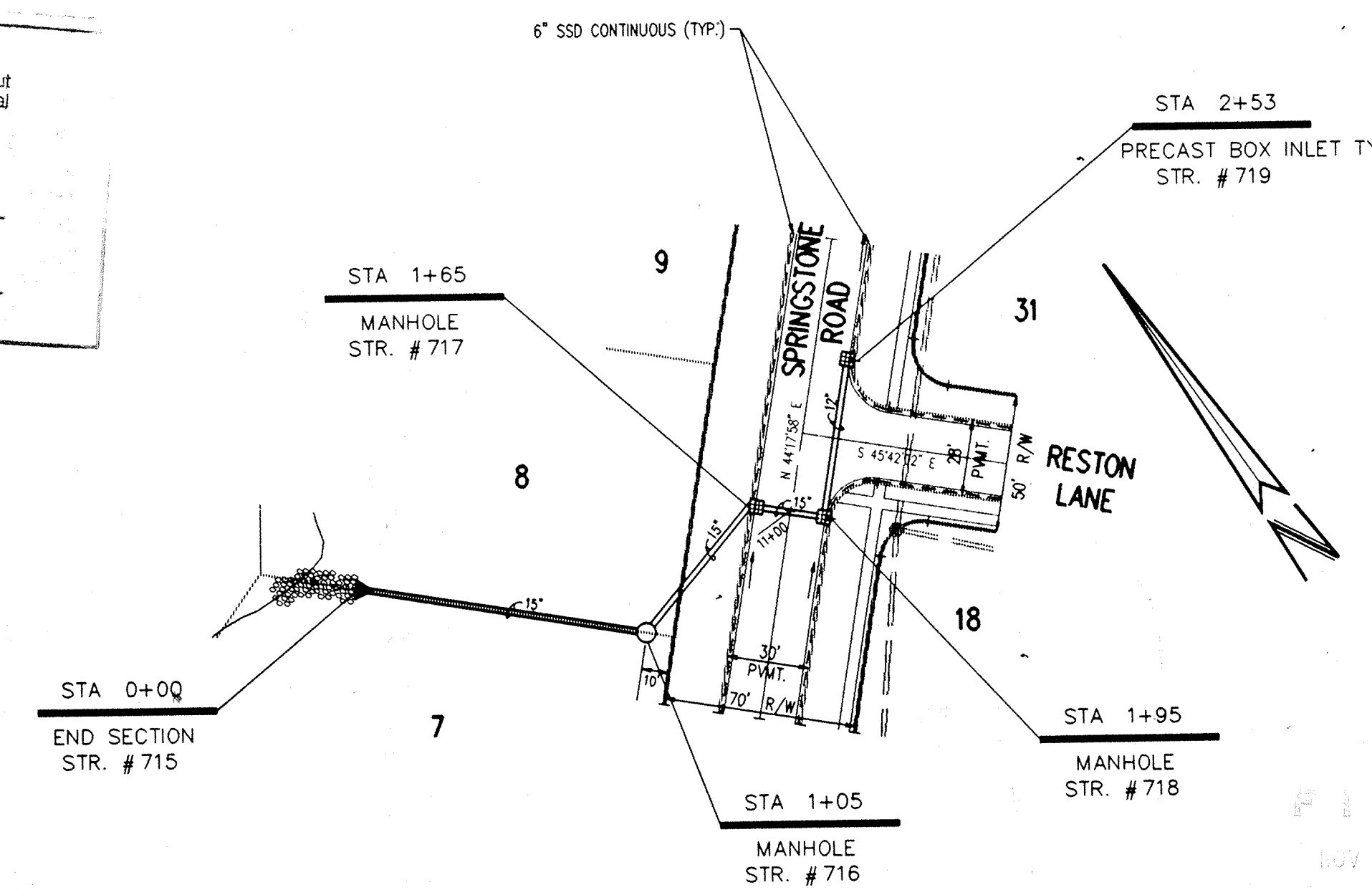
CAUTION
 LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR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

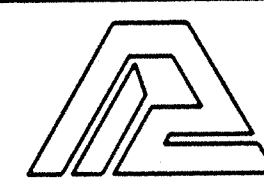
000.00 DENOTES AS BUILT INFORMATION

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	



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 (317) 842-6777

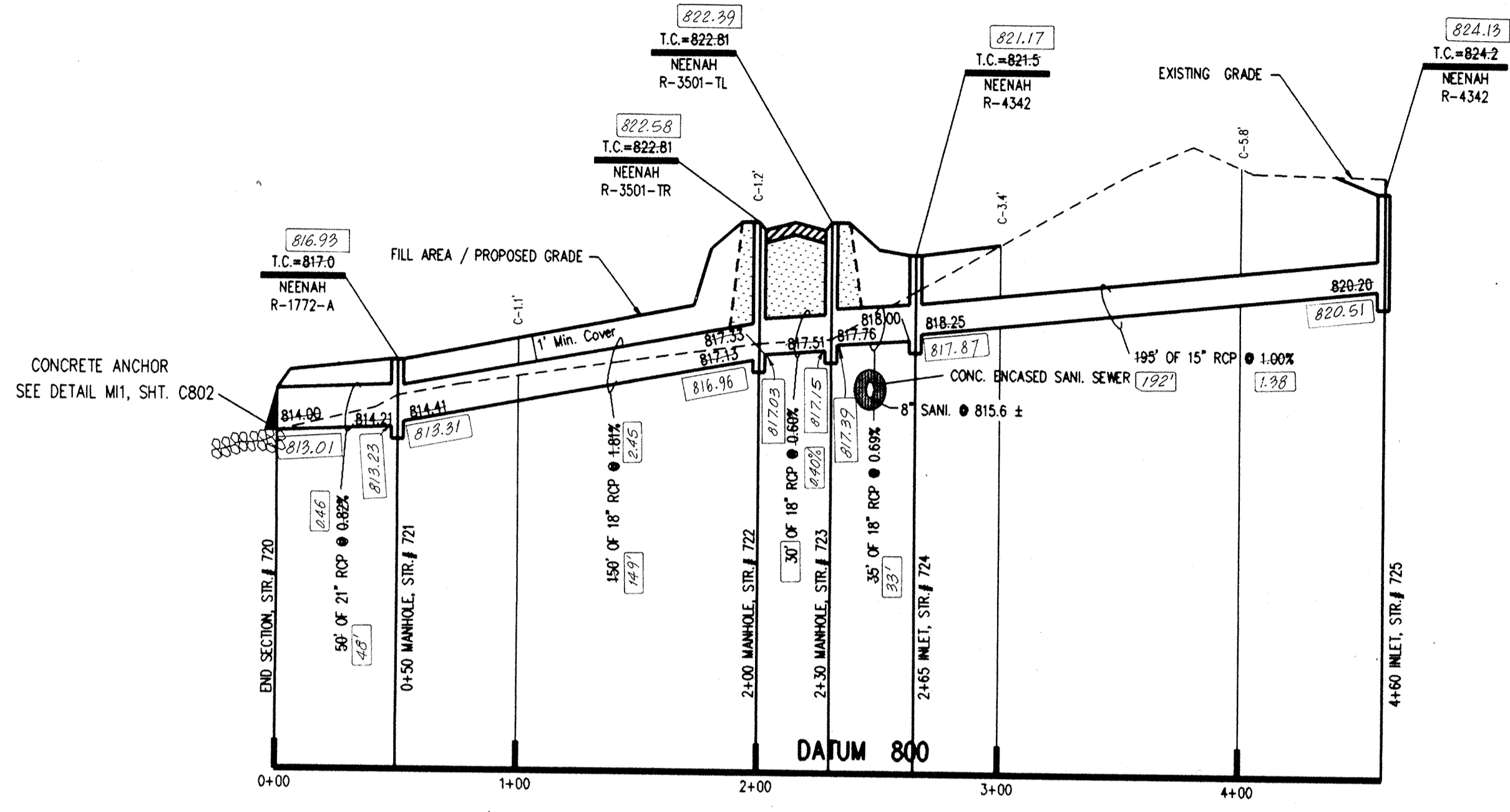
- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

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

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

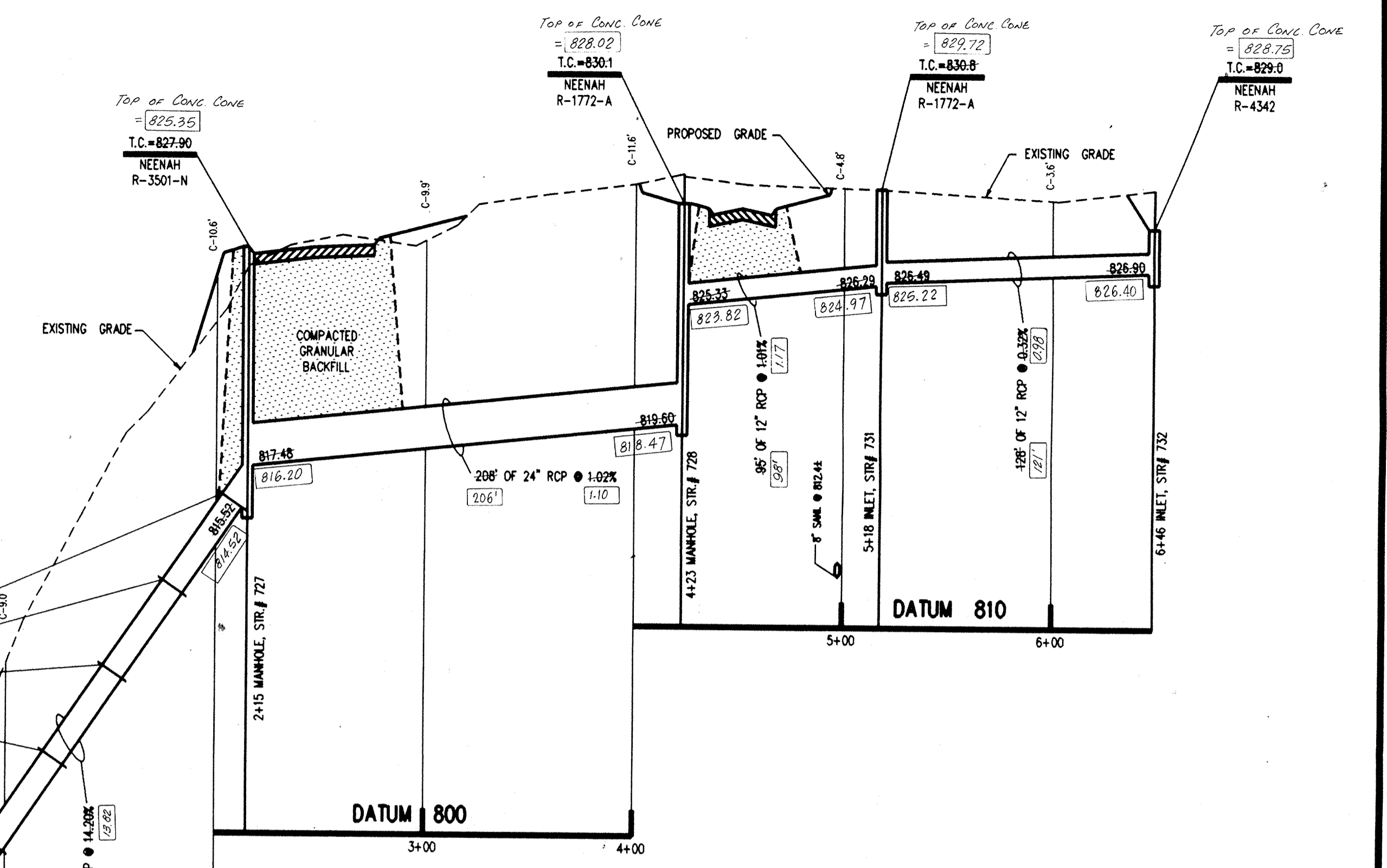
DRAWING TITLE: STORM SEWER PLAN & PROFILE

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

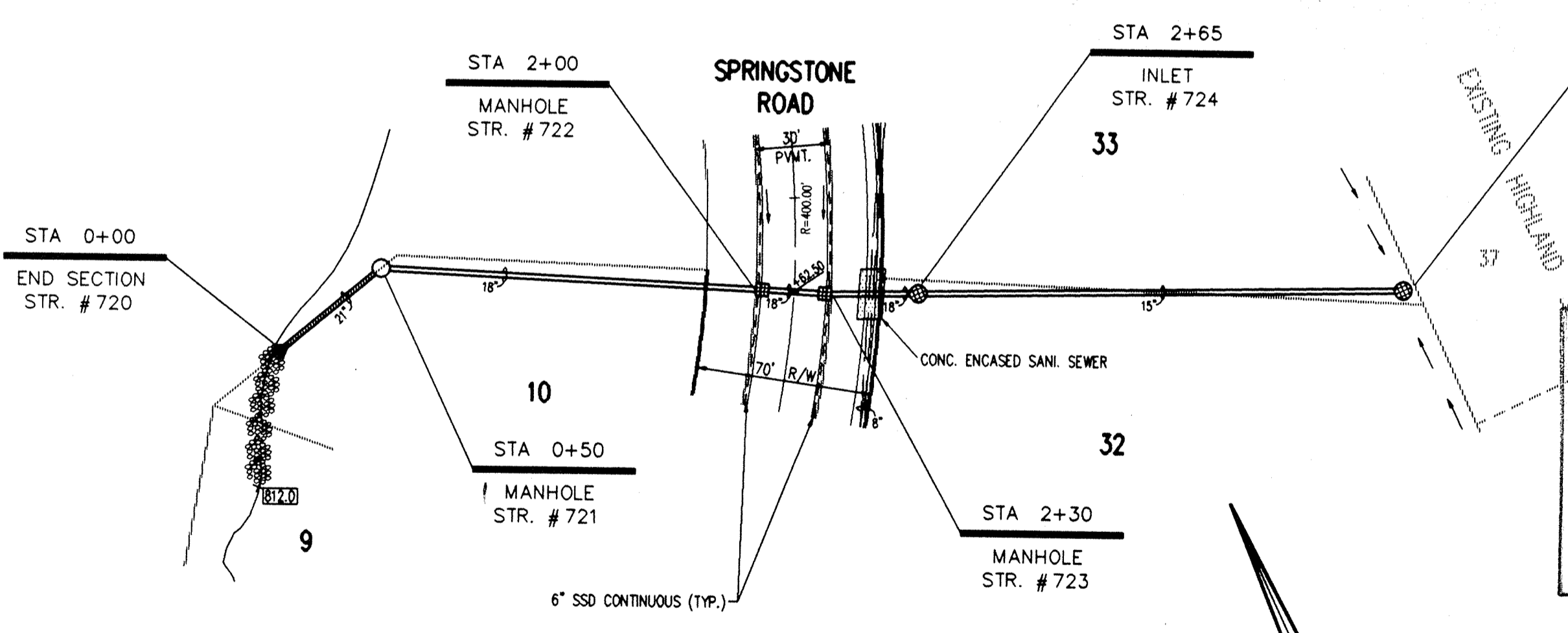


PROFILE ONE

- 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.
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PROFILE TWO

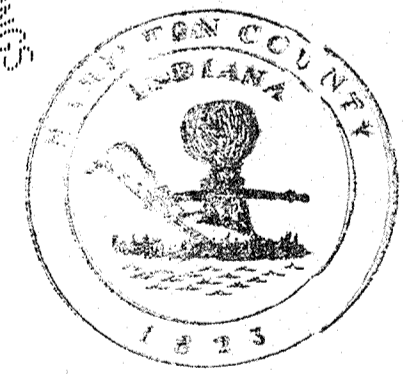
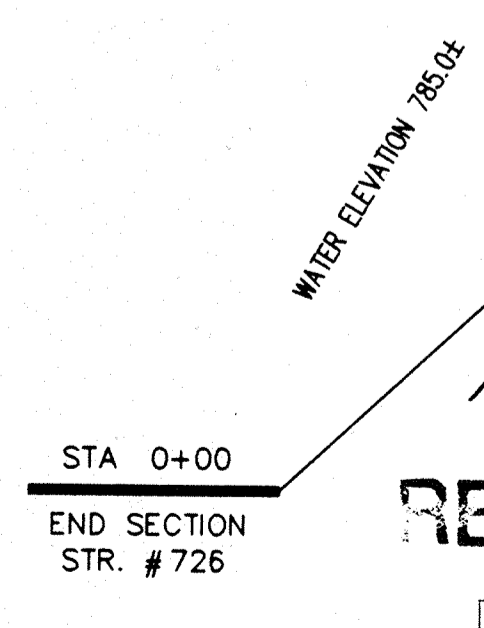


PLAN ONE

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

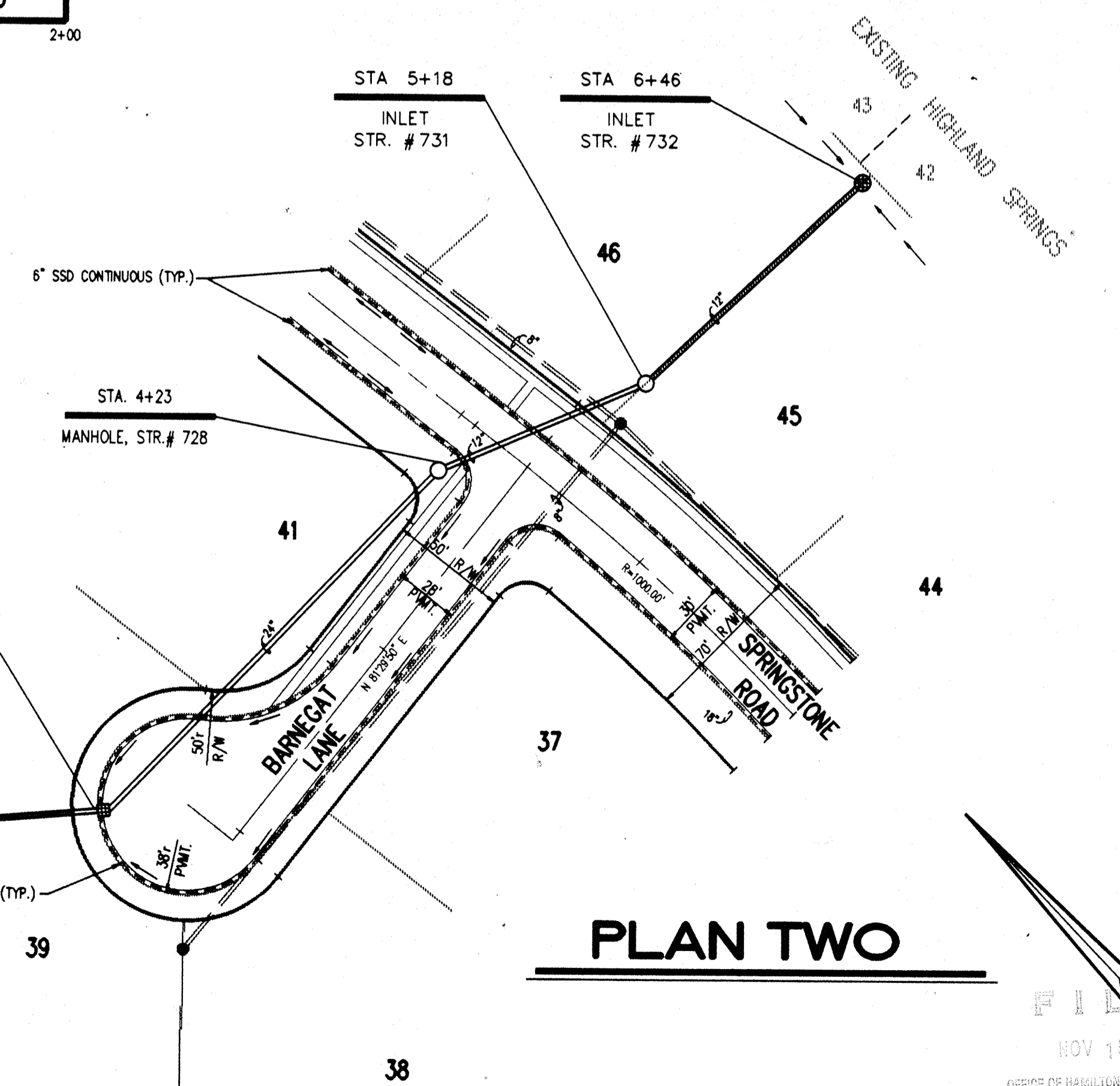
Entry Date: 6-30-04

Entered by: JDH

RECORD DRAWING

100.00 DENOTES AS BUILT INFORMATION

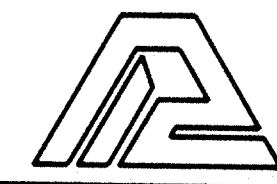


PLAN TWO



CERTIFIED BY: Joseph A. Sharp
DATE: 8.6.03

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.#'S 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	3-2-04 AS BUILT STORM SEWERS



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(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	SHEET:
		C703

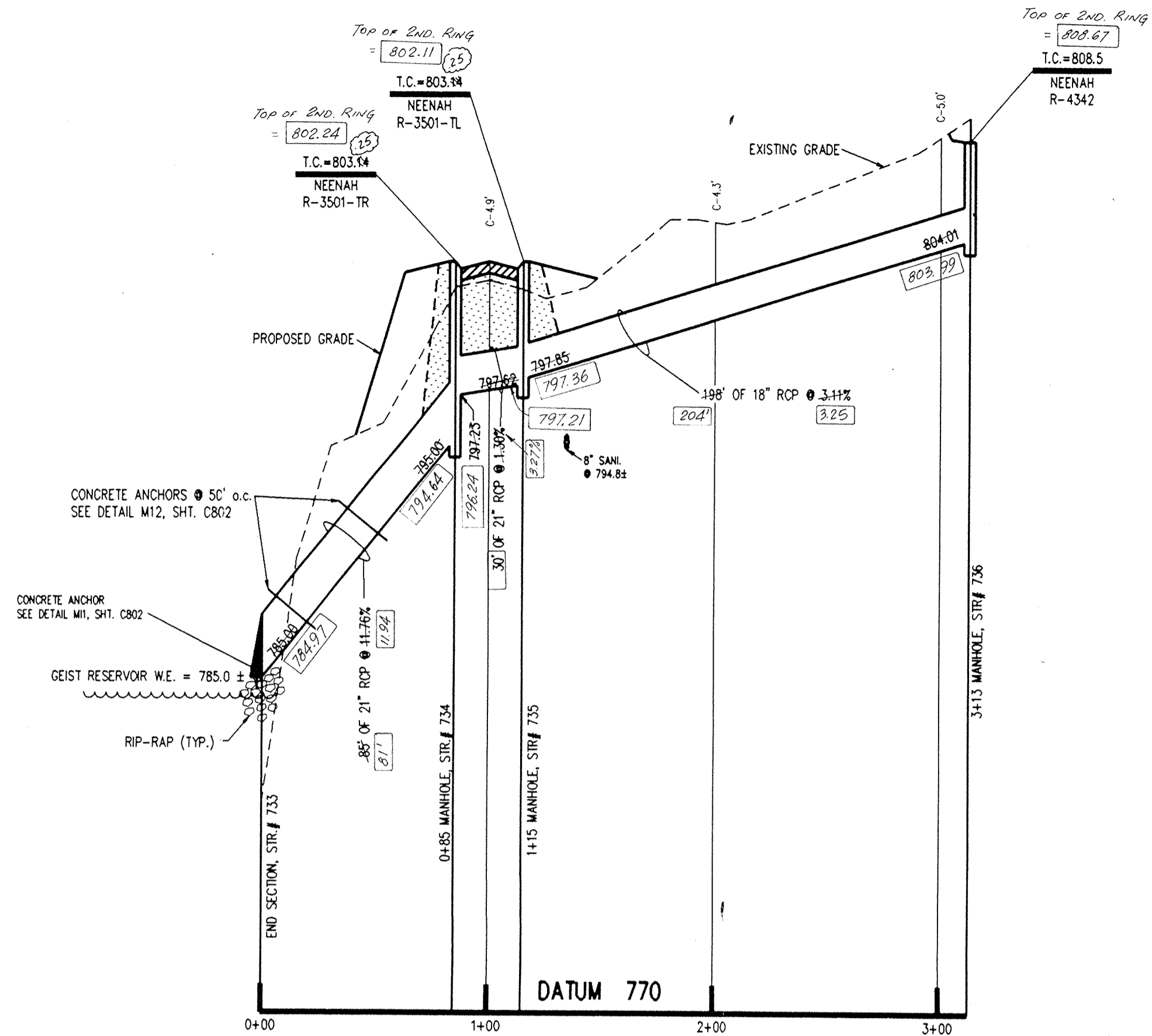
STORM SEWER PLAN & PROFILE

JOB NUMBER: 81100-21000

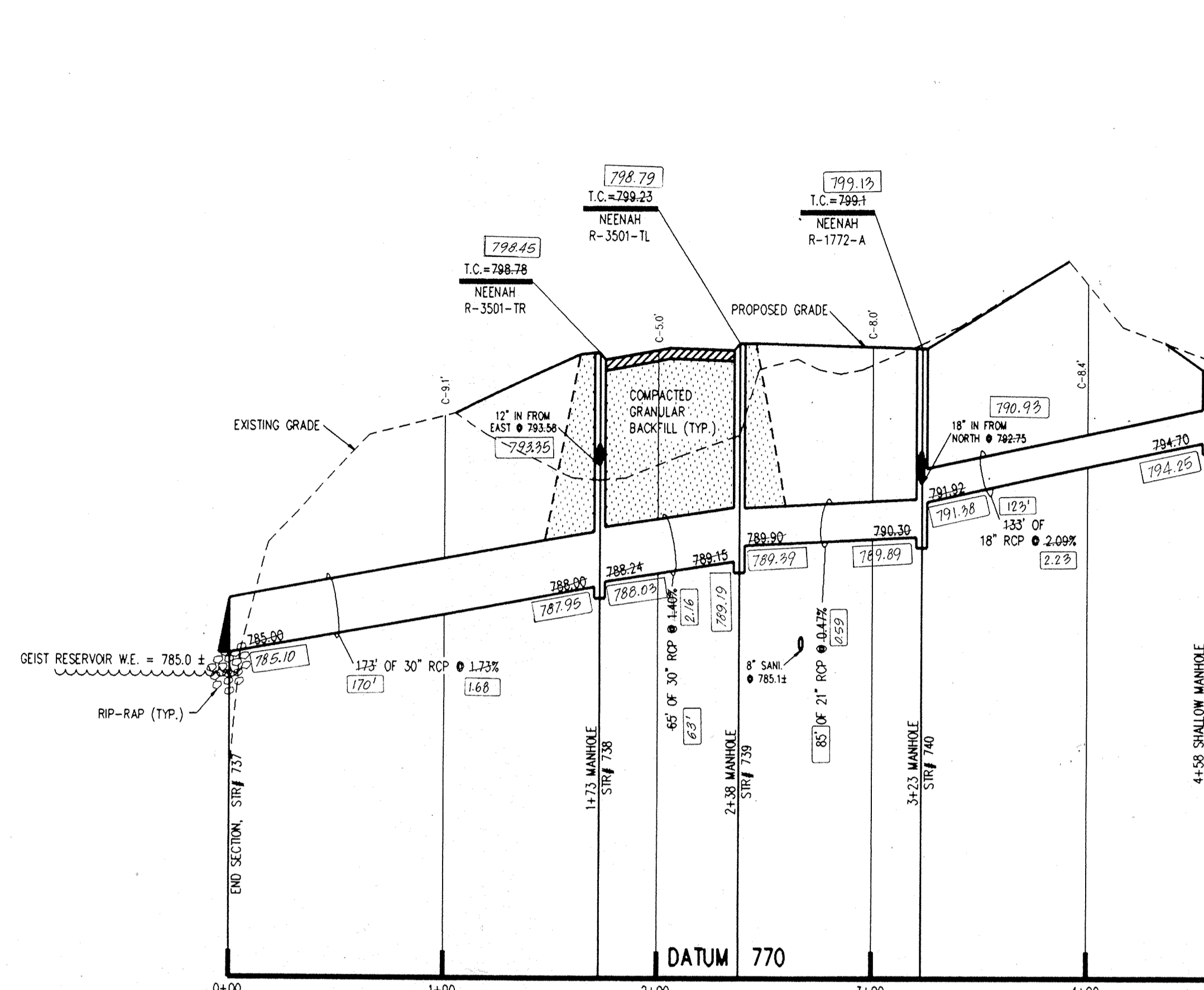
THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

FILED
NOV 15 2004
OFFICE OF HAMILTON COUNTY SURVEYOR

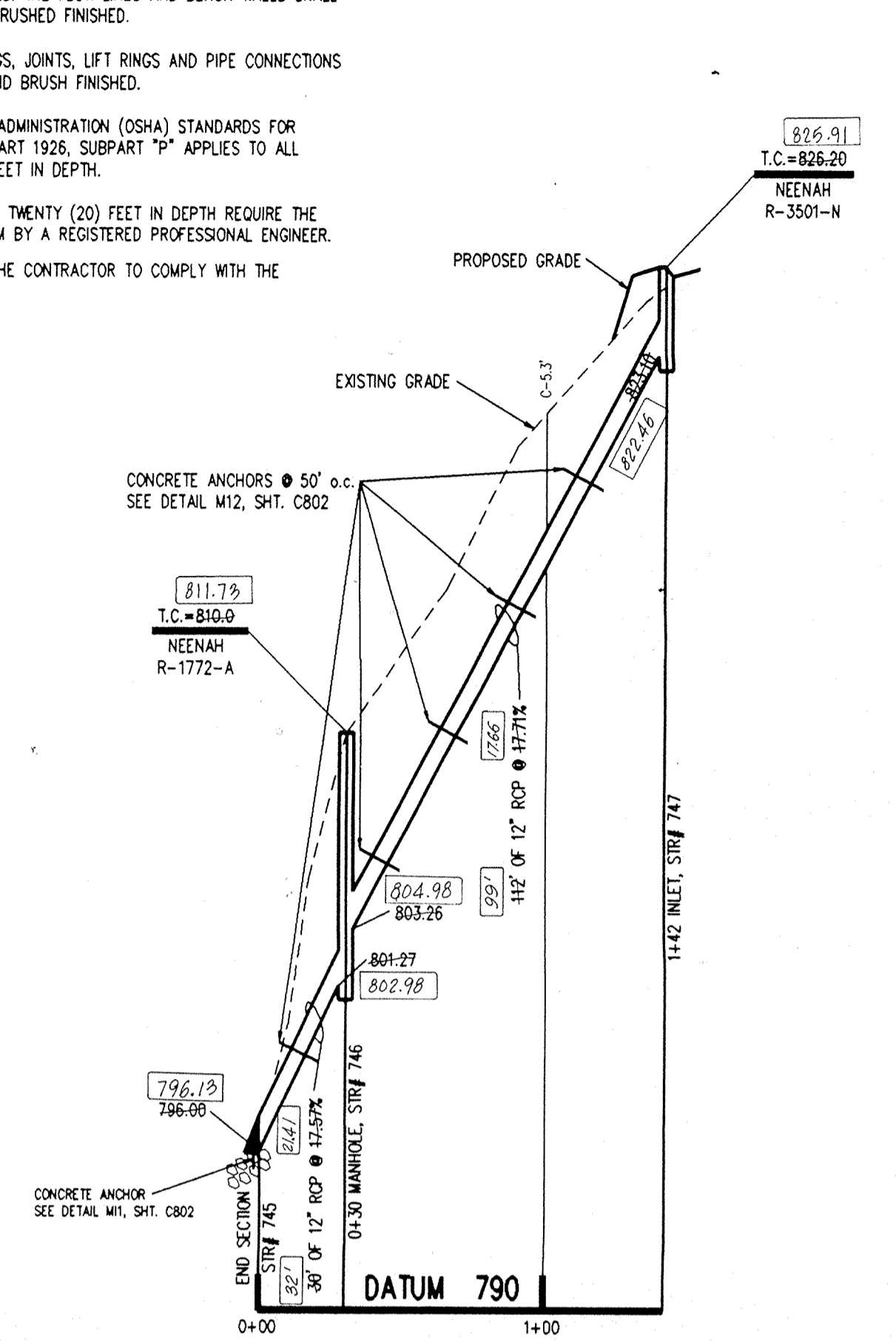
- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
 2. FIELD ADJUSTMENT BY ENGINEER MAY BE REQUIRED AT ALL OUTFALL POINTS TO INSURE PROPER OUTFALL CONDITIONS.
 3. ALL STORM DRAINAGE STRUCTURES (IE: MANHOLES, CURB INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND HAVE A BRUSHED FINISH.
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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.

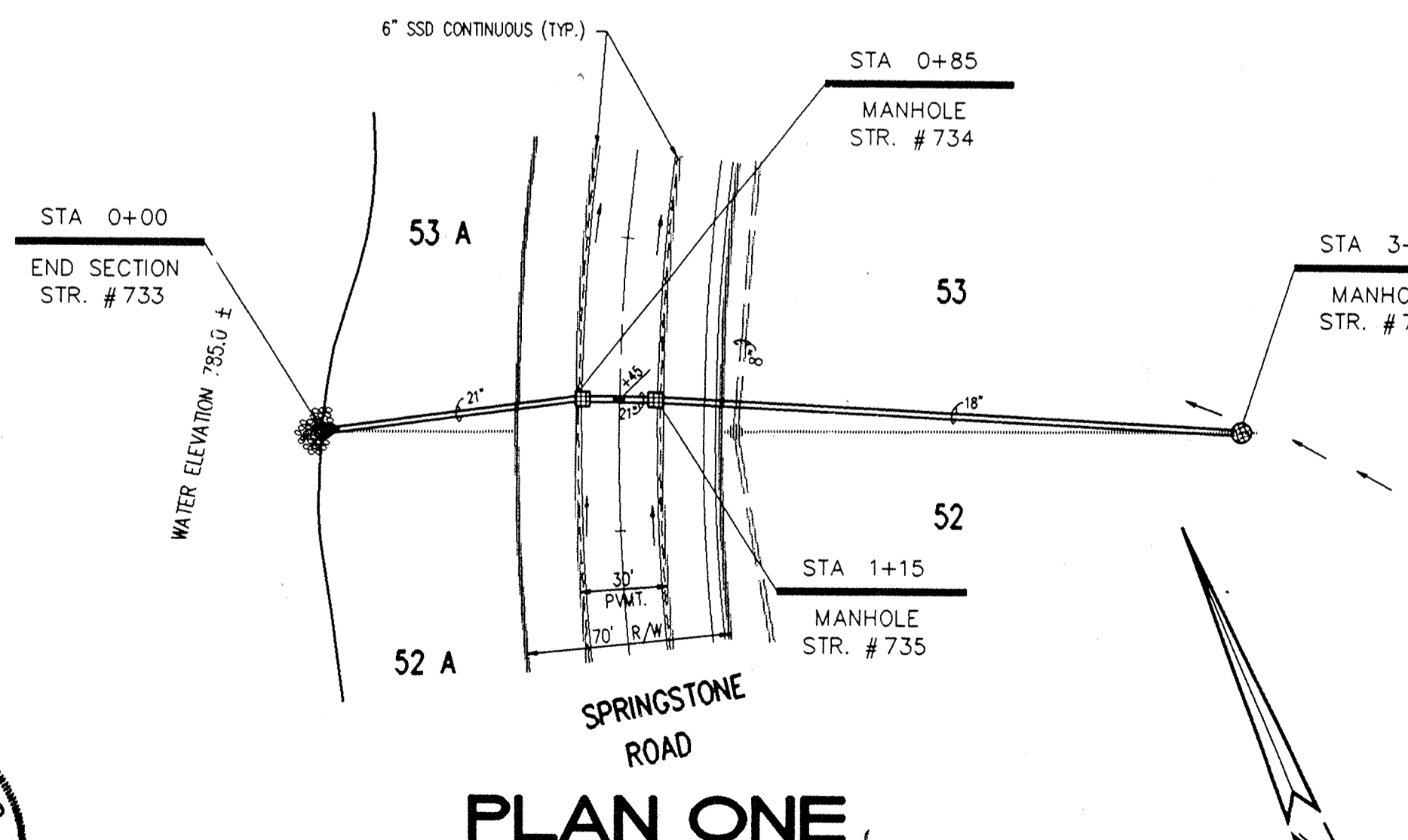
Entered by: JPH

Entered Date: 6-30-04

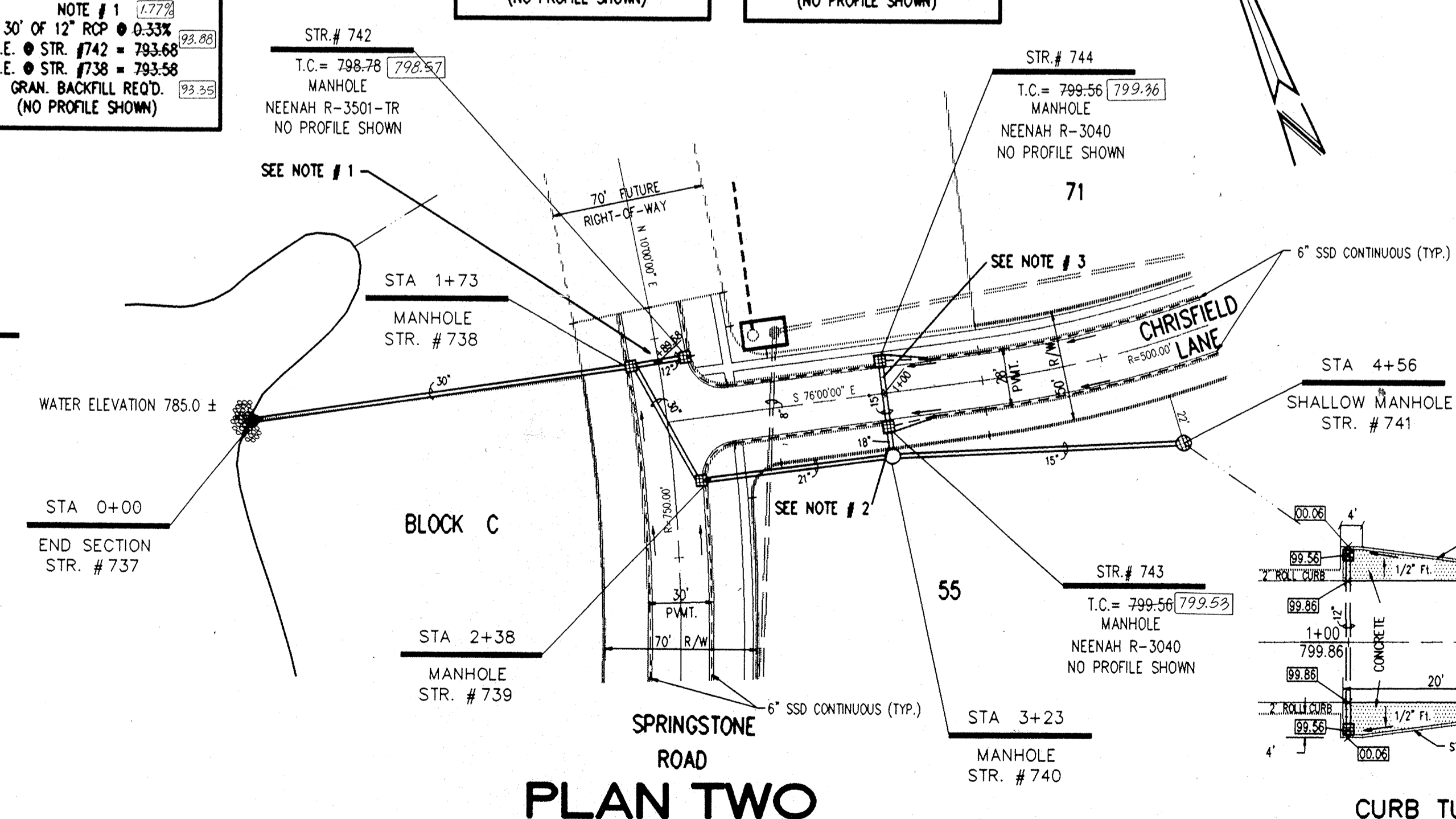


- NOTE # 1** 30' OF 12" RCP @ 0.33%
 I.E. STR. #742 = 793.68
 I.E. STR. #738 = 793.58
 GRAN. BACKFILL REQ'D. (NO PROFILE SHOWN)
- NOTE # 2** 10' OF 18" RCP @ 1.50%
 I.E. STR. #743 = 792.90
 I.E. STR. #740 = 792.75
 GRAN. BACKFILL REQ'D. (NO PROFILE SHOWN)
- NOTE # 3** 36' OF 15" RCP @ 0.89%
 I.E. STR. #744 = 793.42
 I.E. STR. #743 = 793.10
 GRAN. BACKFILL REQ'D. (NO PROFILE SHOWN)

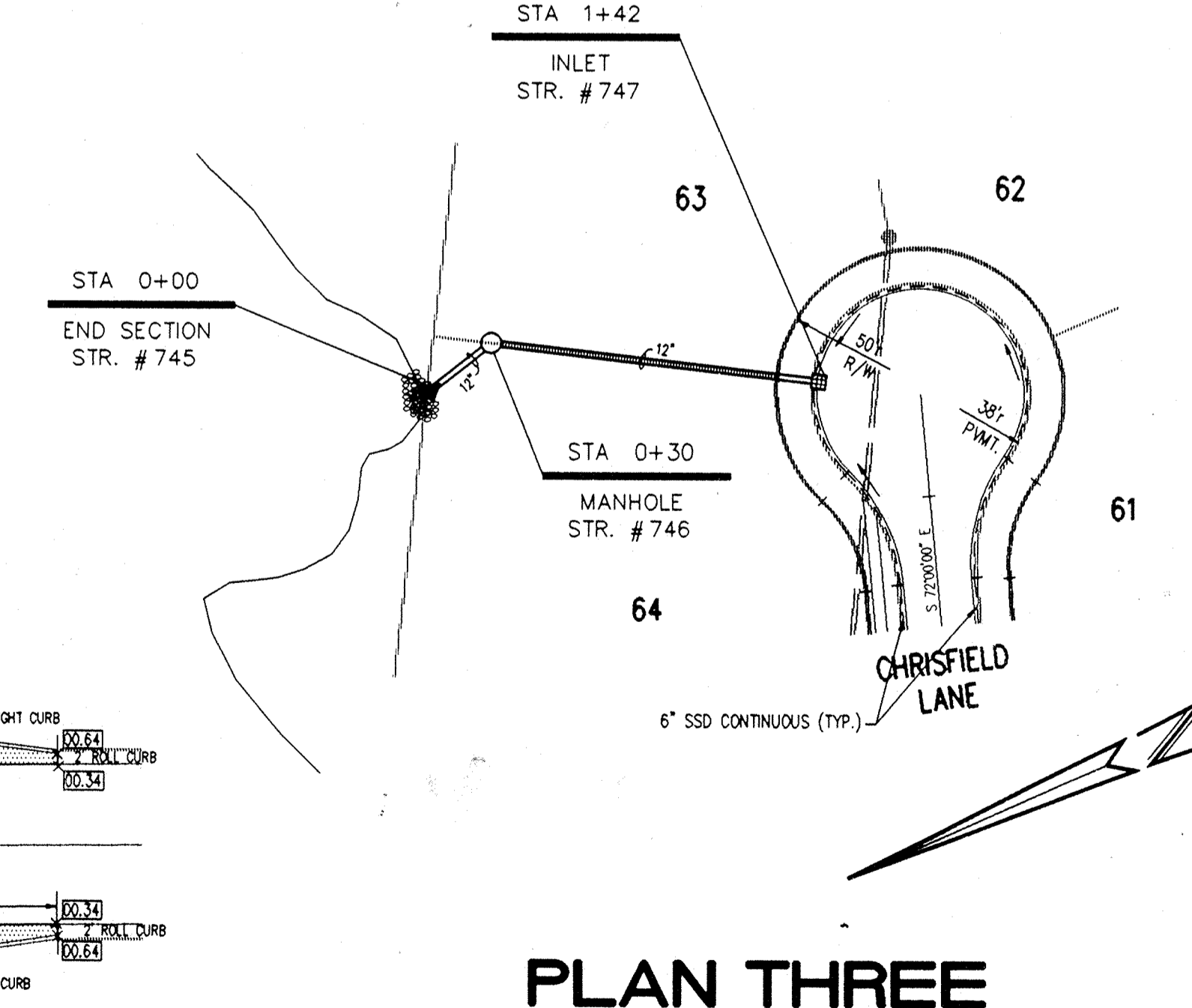
RECORD DRAWING
 000.00 DENOTES AS BUILT INFORMATION



PLAN ONE



PLAN TWO

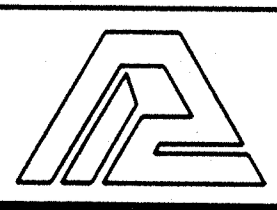


PLAN THREE



CERTIFIED BY:
Joseph A. Sharp
 8.6.93 DATE

REVISIONS	
06/04/03 REVISED PER HAMILTON CO. SURVEYOR & HIGHWAY COMMENTS.	09/27/03 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.
08/06/03 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.



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- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK: _____
 ENG. CHK: _____
 DRAWN BY: RS
 DRFTNG. CHK: _____

SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'
 DATE: 06/04/03
 DRAWING TITLE: **STORM SEWER PLAN & PROFILE**

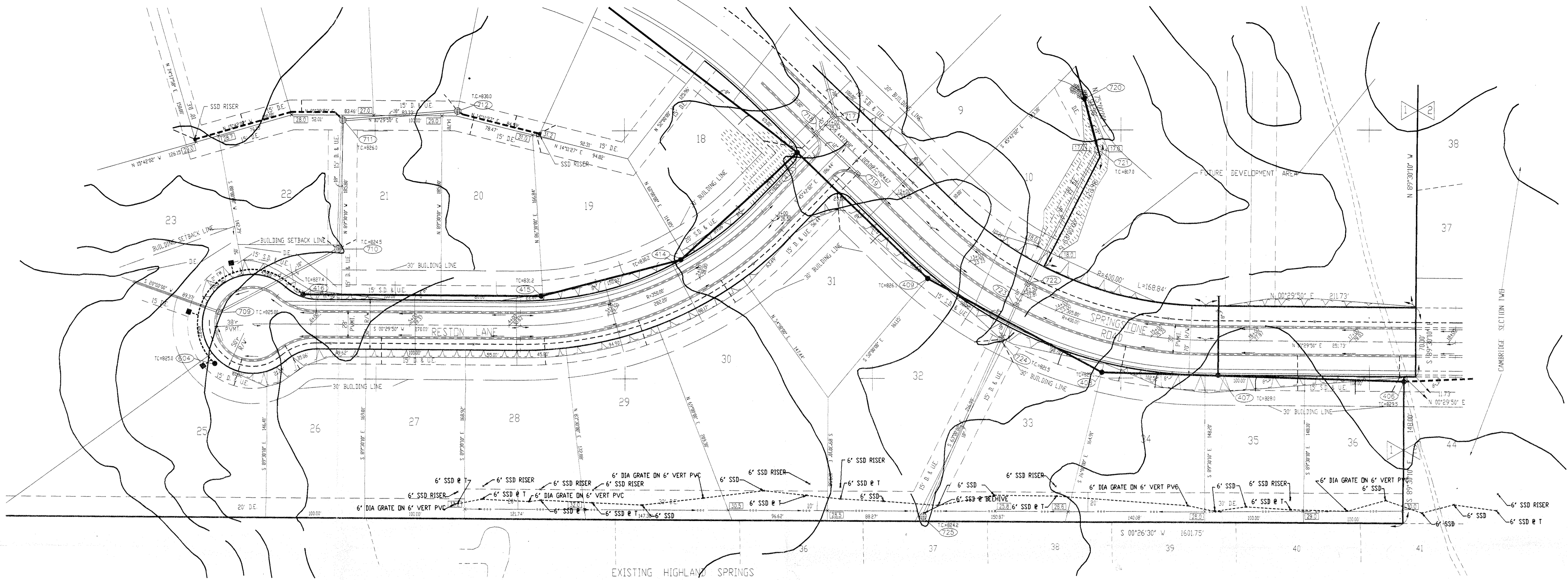
CLIENT: **MARINA LIMITED PARTNERSHIP**

DWG. TYPE	FILE NUMBER	SHEET:
		C704
JOB NUMBER		
81100-21000		

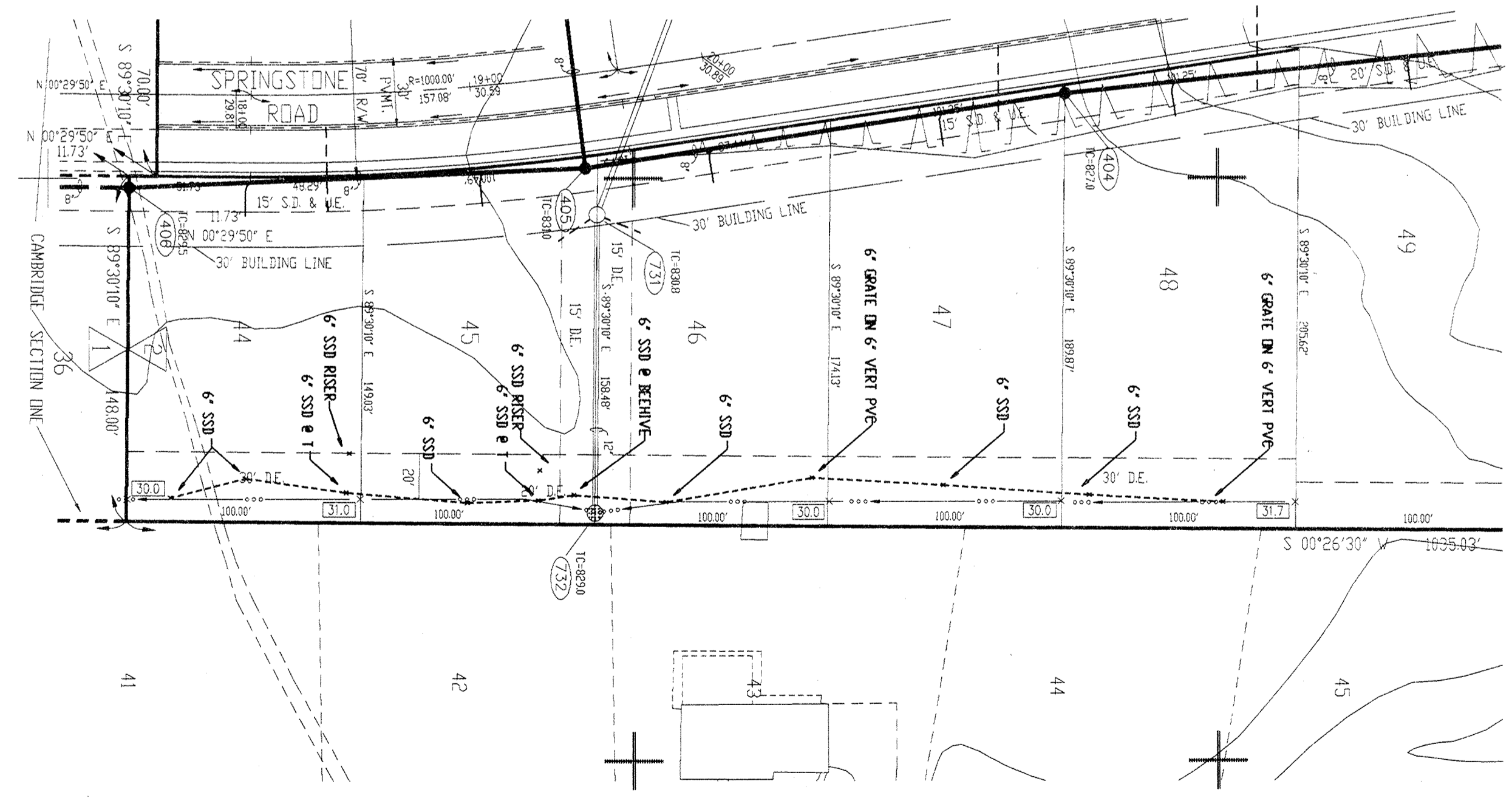
THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO

REV 15 1995


11/2/03 REVISED TO ELEV STR. 734 & 735 PER STR. C-33
 8-2-94 AS BUILT STORM SEWERS B.T.



PLAN ONE



PLAN TWO

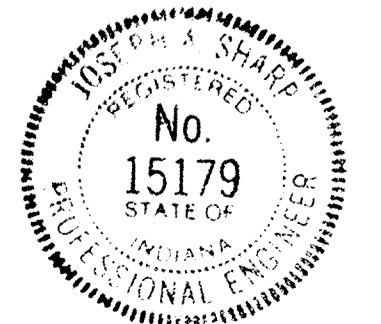

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 Entry Date: 6-30-04
 Entered by: JOK

FILED
AUG 26 1996
OFFICE OF HAMILTON COUNTY SURVEYOR

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 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, MARKS 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 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:

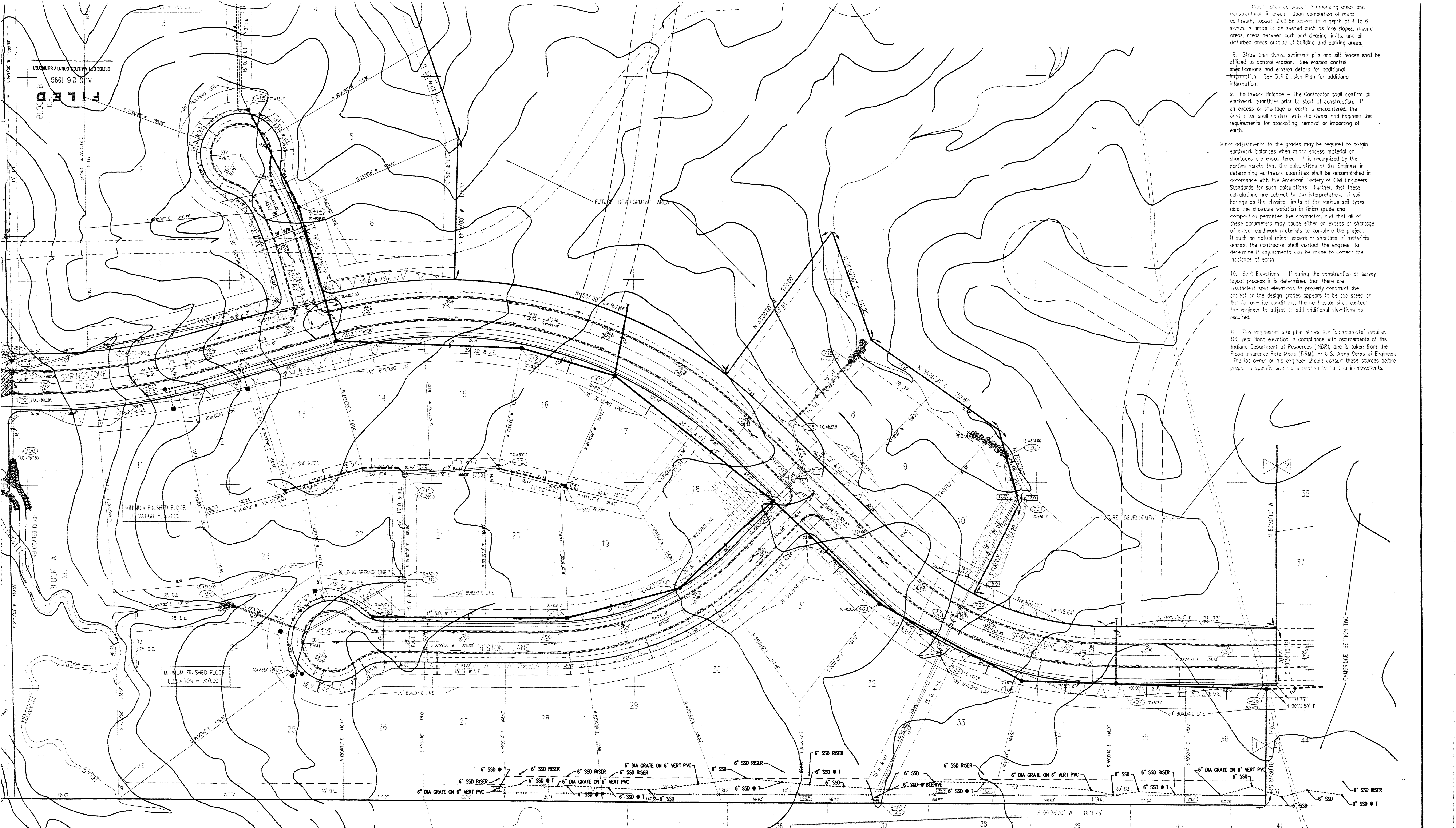
DATE: 01-03-96
SCALE: 1"=50'

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.

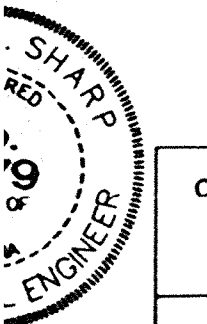


This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

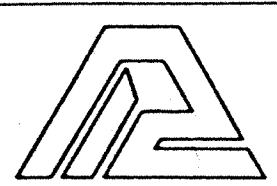
Entry Date: 6-30-04

Entered by: JON

THE SPRINGS OF CAMBRIDGE SECTIONS ONE & TWO



CERTIFIED BY:	09/27/93 REVISED PLANS PER HAMILTON CO. SUPERVISOR & HIGHWAY COMMENTS	09/27/93 REVISED GRADES ALONG SPRINGSTONE ROAD (FORMERLY WATERWAY RD)
DATE:	06/26/93 REVISED PLANS PER HAMILTON CO. HIGHWAY COMMENTS LETTER DATED 06/26/93	PER FIELD CHANGES, REVISIONS, PPT & CORRECTING STRUCTURES 728,730 & 731,734
	06/29/93 REVISED LIFT STATION LAYOUT PER MANUFACTURE COMMENTS	REVISED SANITARY SEWER DIRECTION, PIPE LOCATIONS & STRU'S ALSO LAYOUT
	12/26/93 REVISED EASEMENTS PER HAMILTON CO. SUPERVISOR LOTS 24, 11, 12 & 13	11/22/93 REVISED PER H.C. SUPERVISOR COMMENT LETTER DATED 11/09/93
		11/22/93 REVISED TO S.W. 7' PER LOT # PER FIELD REVISION
		11/22/93 REVISED EASEMENTS & ADDED MIN. F.F.E. PER HAMILTON CO. SUPERVISOR
		11/09/93 ADDED SSD "AS BUILT" LOCATIONS



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- CIVIL ENGINEERING
- LAND SURVEYING
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- LAND PLANNING

CONCEPT CHK:	DRAWN BY:	SCALE:	DATE:	CLIENT:
ENG CHK:	DRAFTING CHK:	1" = 50'	06/04/93	MARINA LIMITED PARTNERSHIP
DRAWING TITLE:		SITE DEVELOPMENT PLAN (SECTION ONE)		

DWG. TYPE	FILE NUMBER	SHEET:
		C201
JOB NUMBER		
81100-21000		

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