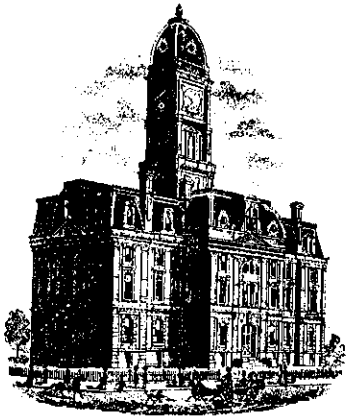


Drain: BRIDGEWATER DRAIN **Drain #:** 245
Improvement/Arm: BRIDGEWATER - SECTION 2
Operator: JDH **Date:** _____
Drain Classification: Urban/Rural **Year Installed:** 1992

GIS Drain Input Checklist

- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDH 11-3
- Digitize & Attribute SSD JDH 11-3
- Digitize & Attribute Open Ditch JDH 11-3
- Sum drain lengths & Validate JDH 11-3
- Enter Improvements into Posse JDH 11-3
- Enter Drain Age into Posse July 11-6
- Sum drain length for Watershed in Posse July 11-6
- Stamp Plans JDH 11-3
- Pull Source Documents for Scanning JDH 11-3

Qcd summary OK ✓ sln 11-24-2003



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

One Hamilton County Square, Ste. 146

~~776-9628~~ 776-8495

942 Maple Avenue

Noblesville, Indiana 46060 September 24, 1992

TO: Hamilton County Drainage Board

RE: Bridgewater Drain, Section 2 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Bridgewater Drain, Section 2 Arm. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

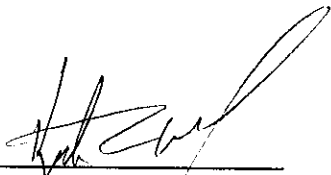
Open Ditch	120ft	18" RCP	300ft
6" SSD	1980ft		
12" RCP	238ft		
15" RCP	253ft		

The total length of the drain will be 2391 feet.

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 or 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 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 assessment for the drain this section will be \$750.00.

I recommend a hearing be set for November 1992. If hearing is approved, I recommend the Board approve the attached non-enforcement request for this section of Bridgewater. I also recommend to the Board that this drain be classified as an Urban Drain.



Kenton C. Ward
Hamilton County Surveyor

KCW/sh

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of BRIDGEWATER Subdivision,
Section TWO 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 BRIDGEWATER SEC. TWO, 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 Engineers 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.

3. The Petitioner agrees to request in writing to the County 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.

X Allen E Rosenberg
 Signed

ALLEN ROSENBERG
 Printed Name

 Signed

 Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE _____

Irrevocable Letter of Credit

INB National Bank
One Indiana Square
Indianapolis, Indiana 46266



INB

Date: July 28, 1992lc

SWIFT Address: INBI US 44	Telex Number 205615	Phone: 266-6153	INB NO. SB 035867	Credit Number Advising Bank No.
Advising Bank			Applicant The Marina Limited Partnership 20999 Hague Road Noblesville, IN 46060	
Beneficiary Hamilton County Commissioners & Hamilton County Drainage Board Court House Noblesville, IN 46060			Amount USD 29,420.00	
			Expiration Date August 3, 1994	

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

Drafts drawn at— sight

on INB National Bank, Indianapolis, Indiana

bearing the clause: "Drawn under Irrevocable letter of credit No. **SB 035867**

Other documents:

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 Bridgewater Subdivision, Section 2, 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 drawn under this Letter of Credit will be used to bring the storm sewers into compliance in accordance with the specifications referenced.

RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT

Special Conditions:

HAMILTON COUNTY BOARD OF COMMISSIONERS

BY: Steven C. Dellinger

DATED: 5/23/94

ATTEST: Barbara J. ...
HAMILTON COUNTY AUDITOR

ATTEST: Barbara J. ...
HAMILTON COUNTY AUDITOR - acting

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

Steven C. Dellinger
Steven C. Dellinger
William R. Karne
DATE AUG. 3, 1992

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

The amount of each draft must be endorsed on the reverse of this credit by the negotiating bank.

The Advising Bank is requested to notify the beneficiary without adding their confirmation.

Very truly yours,

Kathleen M. Hatcher

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office: One Hamilton Co. Square, Ste. 188, Noblesville, In 46060
Place/date/name/signature of advising bank.

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)

S.M. OF ...

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: COUNTY SURVEYOR'S OFFICE, HAMILTON COUNTY
ATTN: Mr. Kenton Ward
FROM: Paul I. Cripe, Inc., Engineers
SUBJECT: Bridgewater Subdivision, Section Two

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 December 13, 1993
Type or Printed Name Joseph A. Sharp
Business Address 7172 Graham Road
Indianapolis, IN 46250
Telephone (317) 842-6777

Seal _____ Indiana Registration Number 15179



ADM:t1
1/13/84



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

July 23, 1996

TO: Hamilton County Drainage Board

RE: Bridgewater Drain-Section 2

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Bridgewater Drain-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 September 24, 1992. The changes are as follows:

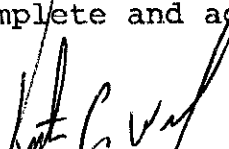
STR	710 to 709	12" RCP	lengthened from	48'	to	52 feet
STR	709 to 708	12" RCP	shortened from	190'	to	189 feet
STR	707 to 706	15" RCP	lengthened from	25'	to	30 feet
STR	705 to 704	15" RCP	lengthened from	200'	to	201 feet
STR	704 to 703	18" RCP	lengthened from	70'	to	71 feet
STR	703 to 702	18" RCP	lengthened from	80'	to	83 feet
STR	702 to 701	18" RCP	lengthened from	150'	to	151 feet

The length of the drain due to the changes described above is now 2,905 feet.

The non-enforcement was approved by the Board at its meeting on November 16, 1992.

The Bond or Letter of Credit from INB National Bank, number 035867, dated July 28, 1992, in the of amount of \$29,420.00, has expired.

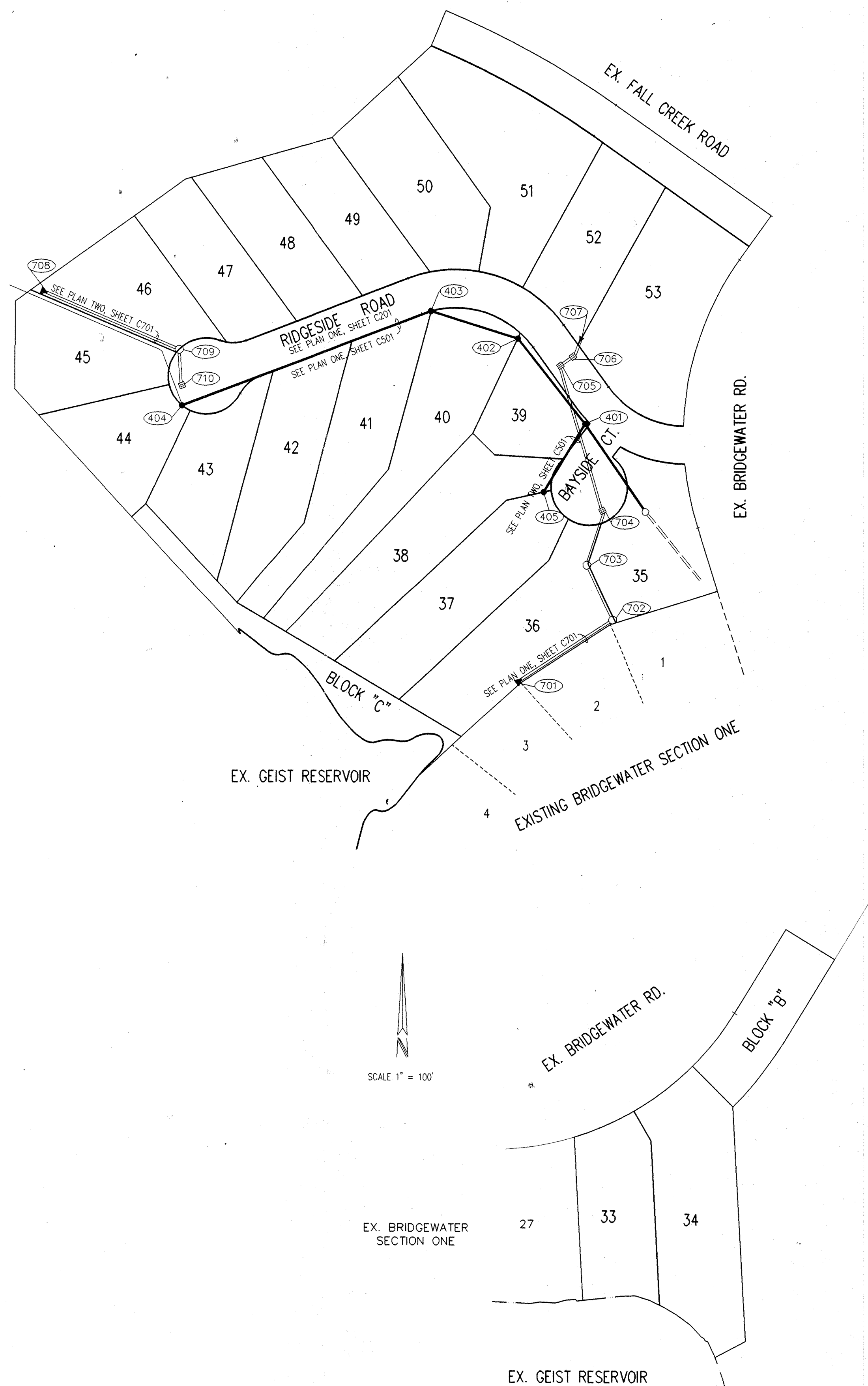
I recommend the Board approve the drains construction as complete and acceptable.


Kenton C. Ward
Hamilton County Surveyor
KCW/no

CONSTRUCTION PLANS FOR BRIDGEWATER SECTION TWO

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 "F" 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.



DEVELOPED BY:

MARINA LTD. PARTNERSHIP
20999 HAGUE ROAD
NOBLESVILLE, IN 46060

DESIGN DATA

STREET NAME	LENGTH
RIDGESIDE ROAD	750' ±
BAYSIDE COURT	105' ±

DENSITY = 1.57± LOTS PER ACRE

INDEX

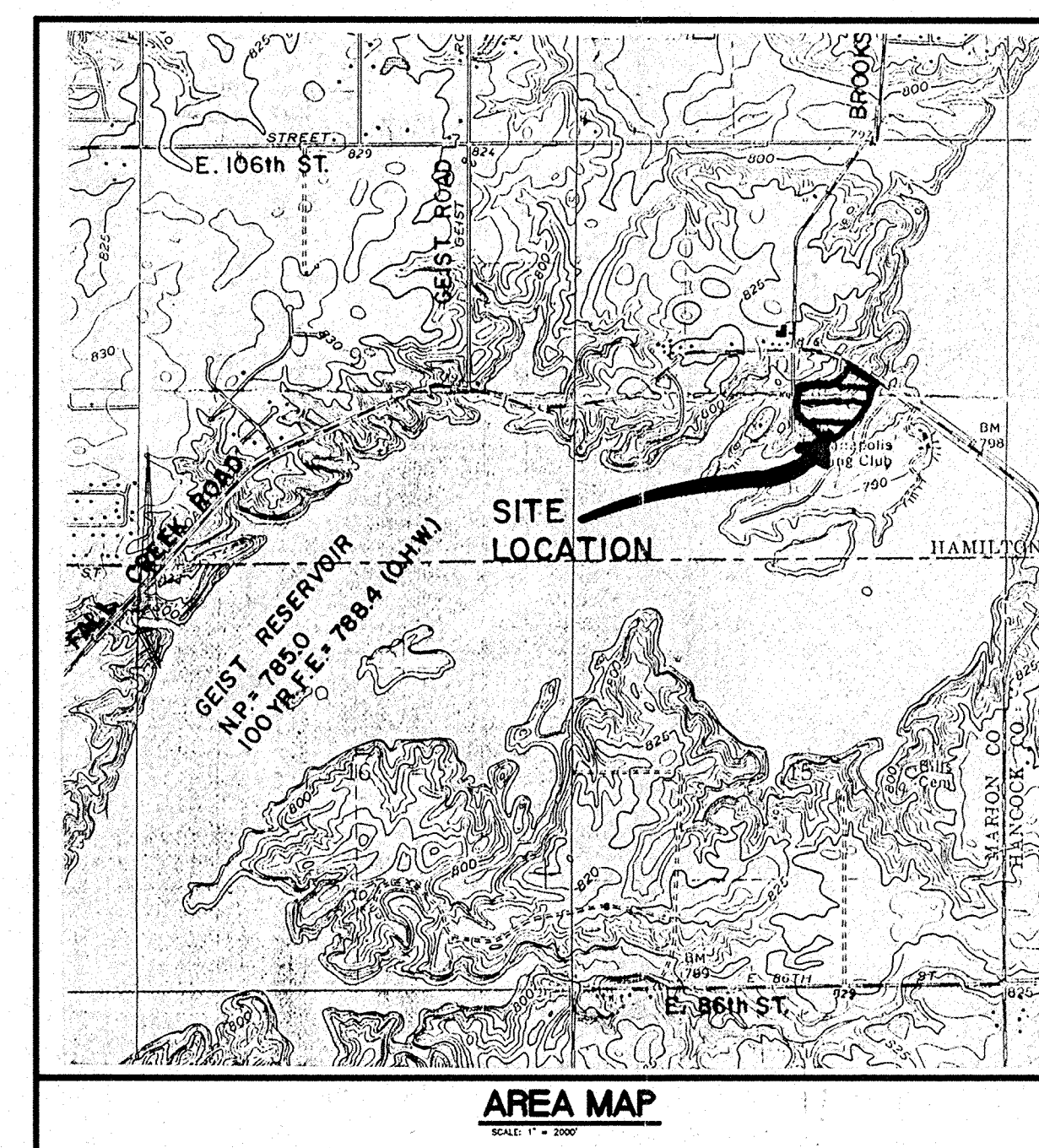
SHT	DESCRIPTION
CS	COVER SHEET
C201	SITE DEVELOPMENT PLAN
C202	EROSION CONTROL PLAN
C301	STREET PLAN & PROFILE
C401	STREET DETAILS
C402	STREET DETAIL
C501	SANITARY SEWER PLAN & PROFILE
C701	STORM SEWER PLAN & PROFILE
C801	STANDARD DETAILS
C901	STANDARD SPECIFICATIONS
	STANDARD SPECIFICATIONS

BENCHMARKS

TBM - CUT "B" AT LIFT STATION SOUTH SIDE OF FALL CREEK RD.
AT RICK'S DOCKSIDE
ELEV. = 792.66

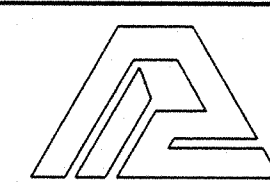
REVISIONS

07/27/92 REVISED PER COUNTY COMMENTS
8/24/92 REVISED ENTRANCE ALIGNMENT PER COUNTY COMMENTS
11/05/92 ADDED SANITARY SEWER AS-BUILTS SHEET C501
3/18/93 ADDED STORM SEWER AS-BUILTS SHEET C701
05/04/93 ADDED LOT LINES AS-BUILTS



CERTIFIED BY:
Joseph A. Sharp
07/08/92 DATE

REVISIONS



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

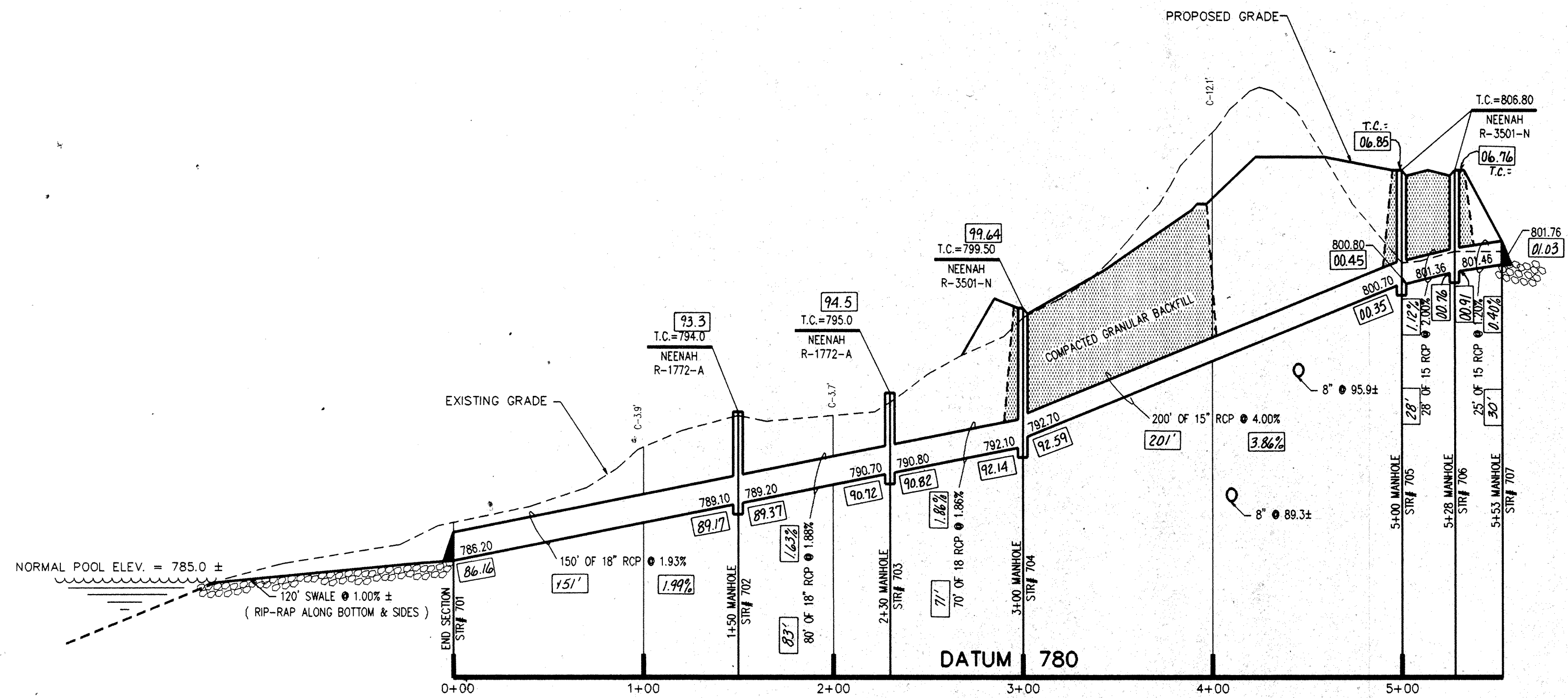
- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK:
DRAWN BY: *RP*
ENG. CHK: *JS*
DRFTNG. CHK: *RS*

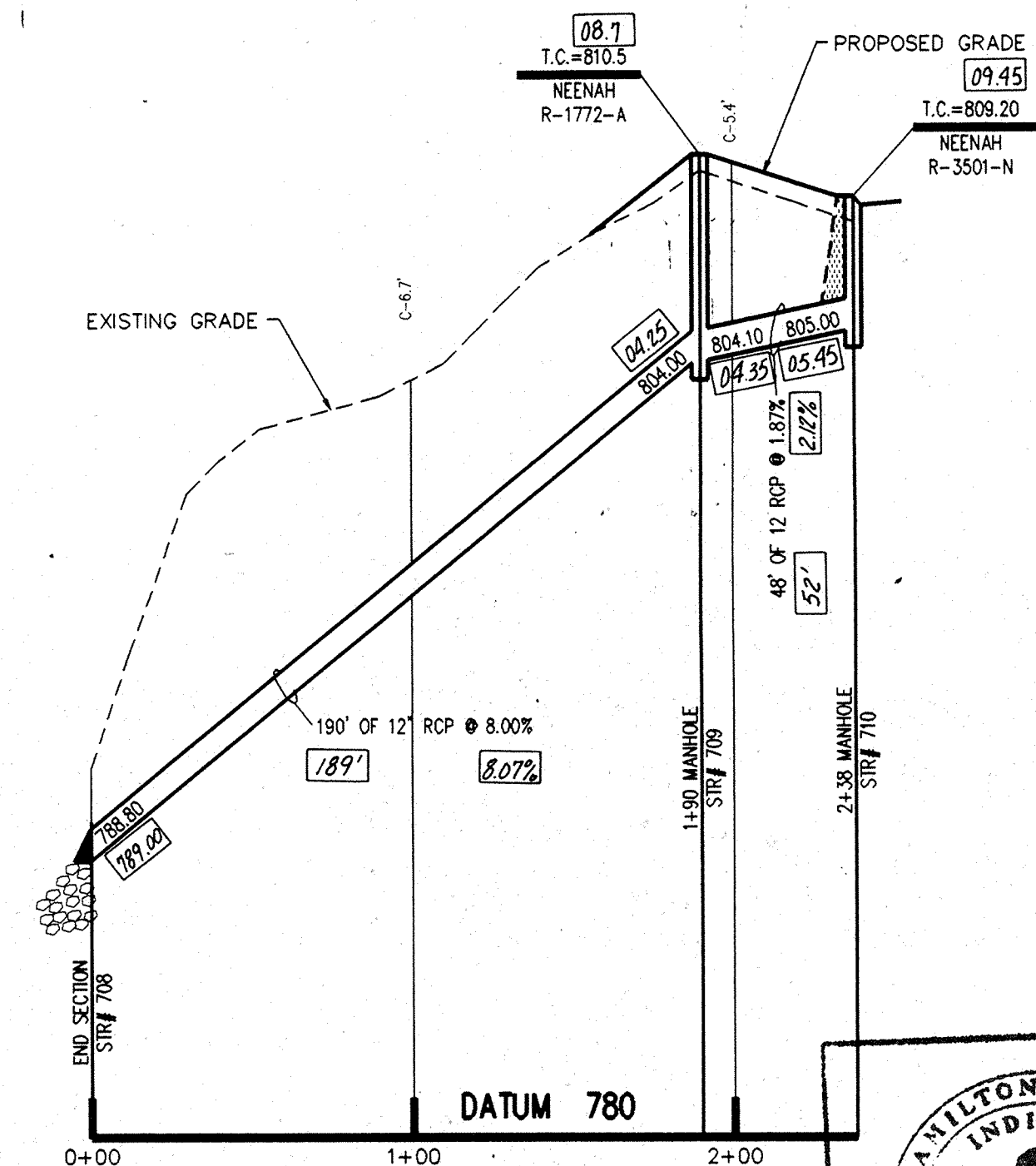
SCALE: AS NOTED
DATE: 7/08/92
DRAWING TITLE: COVER SHEET

CURT: MARINA LTD. PARTNERSHIP

DWG. TYPE	FILE NUMBER	SHEET:
		CS
JOB NUMBER		
8 0 1 0 8 - 2 0 2 2 0		



PROFILE ONE



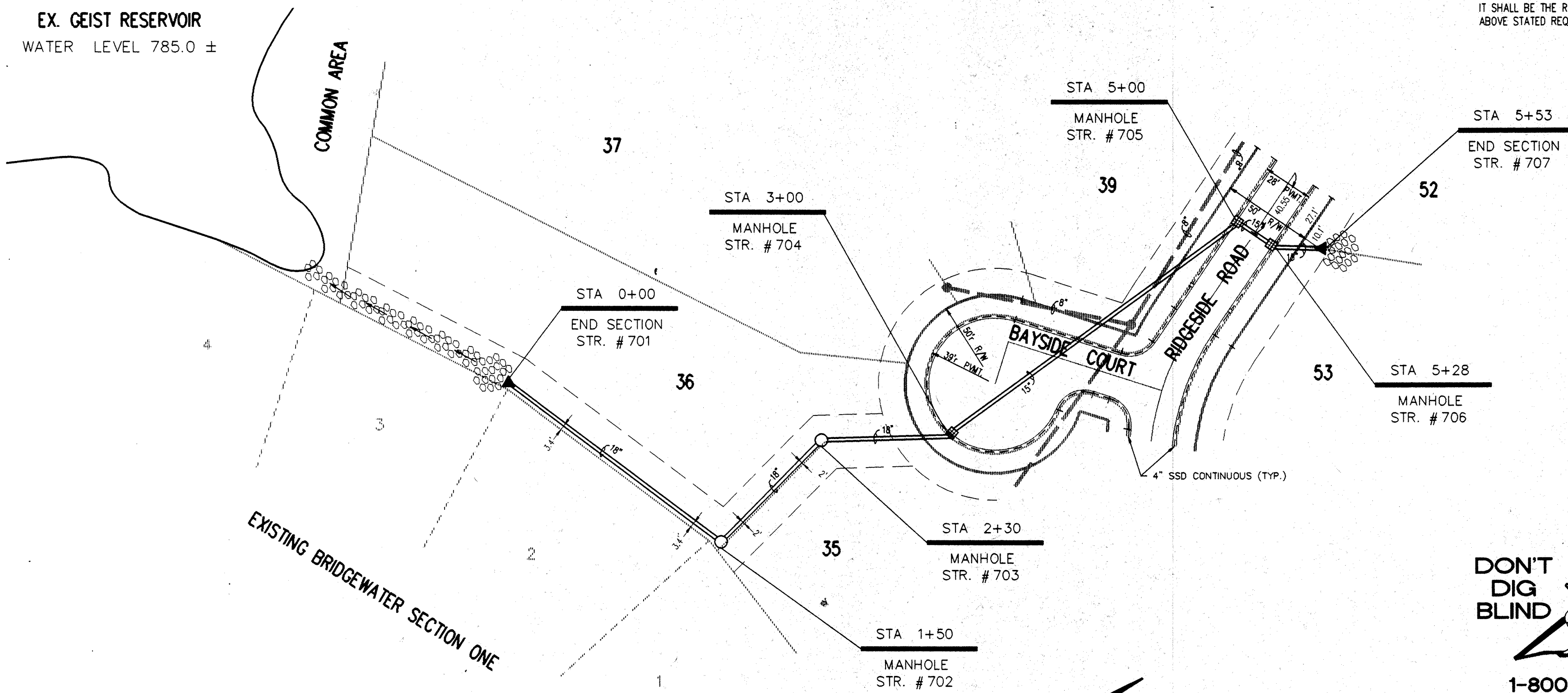
PROFILE TWO



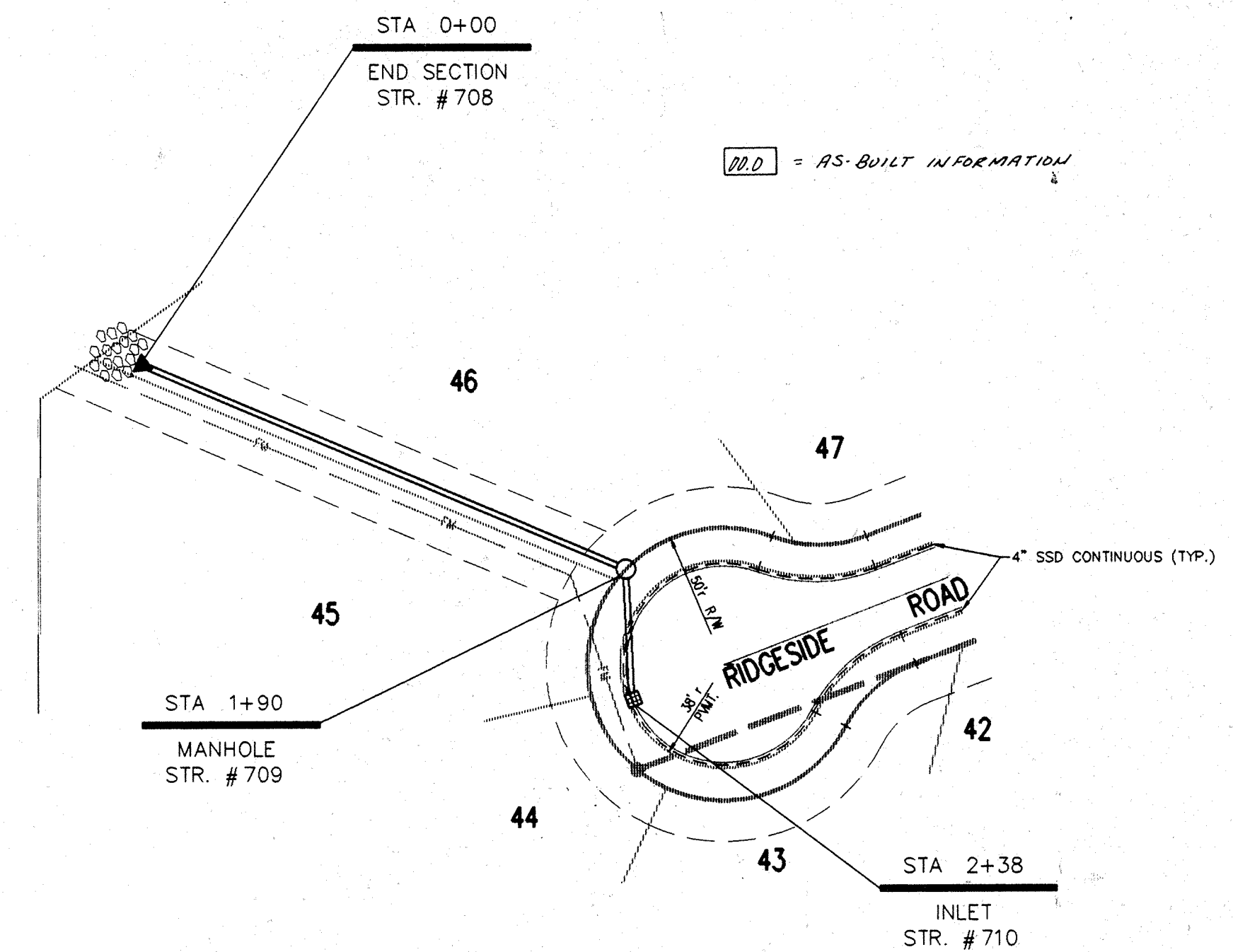
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 11-3-03
 Entered by: JDH

- 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 (I.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 T 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.

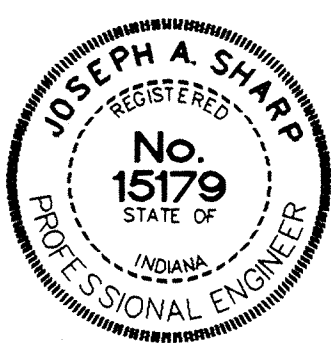
STORM SEWER "AS-BUILTS"
CERTIFIED THIS 9th DAY OF Mar. 1993
Joseph A. Sharp



PLAN ONE



PLAN TWO



CERTIFIED BY: <i>Joseph A. Sharp</i> 07/08/92 DATE	REVISIONS 07/27/92 REVISED PER COUNTY COMMENTS 8/5/92 REVISED ENTRANCE ALIGNMENT PER COUNTY COMMENTS 3/19/93 REVISED STORM AS-BUILT INFO	PAUL I. CRIFE, INC. 7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250 (317) 842-6777	CIVIL ENGINEERING LAND SURVEYING ARCHITECTURE LAND PLANNING	CONCEPT CHK: [Signature]	DRAWN BY: [Signature]	SCALE: HORIZ. 1"=50' VERT. 1"=5'	DATE: 7/8/92	CLIENT: MARINA LTD. PARTNERSHIP	DWG. TYPE FILE NUMBER	SHEET: C701
	DRAWING TITLE: STORM SEWER PLAN & PROFILE			JOB NUMBER 801108-20220						

STANDARD SPECIFICATIONS

Paul I. Cripe, Inc. Last Revision Date: 11-2-92

SECTION 0100 - GENERAL CONDITIONS

- 1. The Indiana Department of Highways, Standard Specifications 1989, are the basic materials and reference specification... 2. These specifications are themselves, or when combined with the American Institute of Architects (AIA Document A201) General Conditions of the contract for construction shall be considered as part of the contract.

SECTION 0210 - SITE CLEARING

- 1. Scope of Work: Clearing and grubbing shall consist of cutting, removal and disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated), and other material on the project site... 2. All debris generated from the clearing operations stated in Item 1 shall be removed and legally disposed of off the project site, unless a "Bury-Pit" approved by the Construction Manager, can be utilized in an area where it shall not be beneath building areas and/or pavement areas...

SECTION 0220 - STRIPPING

- 1. The Contractor shall remove all topsoil in the areas to be occupied by roads, parking areas, walks buildings and designated future building fill areas. Topsoil shall be removed to a depth of six (6) inches or deeper, if necessary, to remove vegetation matter where required. See Soils Report for approximate topsoil thickness... 2. Topsoil shall be kept separated from suitable fill materials and shall not be used as fill under pavement and building areas.

SECTION 02220 - EARTHWORK

- 1. Scope of Work: The work required under this section consists of all excavating, filling, rough grading, backfilling and related items necessary to complete the work indicated on the drawings and described in the specifications... 2. In general, the items of work to be performed under this section shall include: fill compaction and rough and finish grading of entire site as indicated on the drawings including subgrade preparation and grading for streets, building pads, parking lots, walks and general cut and fill.

SECTION 02010 - QUALITY OF WORK

- 1. Perform all work in the most workmanlike manner and according to the best standard practices. All work shall be free from faults and defects in workmanship... 2. Contractor shall be responsible for quality control of the work and shall maintain quality control over suppliers, manufacturers, products, services, site conditions and workmanship to produce work of specified quality... 3. All workmanship shall comply with the Occupational Safety and Health Administration Standards.

SECTION 02010 - DEMOLITION

- 1. Scope of Work: The Contractor shall excavate, demolish, remove and dispose of the debris generated from the demolition of the following items: A. Building walls B. Foundations C. Pavement and Curb (concrete, asphalt and brick) D. Concrete slabs E. Utilities (i.e. gas, electric, telephone, water and cable TV) F. Underground tanks and septic tanks

- 3. The Contractor shall be required to demolish and remove designated foundation walls, retaining walls, curbing, concrete slabs, paving, tanks, structures, pipes, manholes as shown on the Contract Documents, and as may be all existing basement floor slabs that are not removed by the work shown on the drawings... 4. The Contractor shall coordinate with the gas, electric, telephone, water and cable TV utilities for disconnection of all utilities. Utility relocation and removal shall be included in the price of the demolition bid by the Contractor.

SECTION 02010 - DEMOLITION

- 1. Scope of Work: Clearing and grubbing shall consist of cutting, removal and disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated), and other material on the project site... 2. All debris generated from the clearing operations stated in Item 1 shall be removed and legally disposed of off the project site, unless a "Bury-Pit" approved by the Construction Manager, can be utilized in an area where it shall not be beneath building areas and/or pavement areas...

SECTION 02010 - DEMOLITION

- 1. Scope of Work: The Contractor shall excavate, demolish, remove and dispose of the debris generated from the demolition of the following items: A. Building walls B. Foundations C. Pavement and Curb (concrete, asphalt and brick) D. Concrete slabs E. Utilities (i.e. gas, electric, telephone, water and cable TV) F. Underground tanks and septic tanks

- 6. Contractor will be compensated for excavation, replacement and disposal of unsuitable soil materials based on the volume of excavation, time and the contract unit price of the specified fill... 7. Perform earthwork operations to establish required elevations and dimensions within the following tolerances, except that no tolerance will be permitted that would allow a greater depth than indicated on footings and foundations or a lesser thickness than indicated for paving, paving base courses and concrete floor slabs-on-grade.

SECTION 02010 - DEMOLITION

- 1. Scope of Work: Clearing and grubbing shall consist of cutting, removal and disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated), and other material on the project site... 2. All debris generated from the clearing operations stated in Item 1 shall be removed and legally disposed of off the project site, unless a "Bury-Pit" approved by the Construction Manager, can be utilized in an area where it shall not be beneath building areas and/or pavement areas...

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- 1. Scope of Work: The Contractor shall excavate, demolish, remove and dispose of the debris generated from the demolition of the following items: A. Building walls B. Foundations C. Pavement and Curb (concrete, asphalt and brick) D. Concrete slabs E. Utilities (i.e. gas, electric, telephone, water and cable TV) F. Underground tanks and septic tanks

- 11. Compaction of Subgrade: The first 6 inches below the subgrade shall be compacted to at least 95% of the maximum dry density as determined by the provisions of AASHTO T-99... 12. Acceptance of Subgrade: The placing of the stone base constitutes that the paving contractor has accepted the condition of the subgrade and accepts full responsibility for maintaining the grade elevations and contours indicated on the Drawings. Subgrade shall be inspected and tested by the appropriate governmental agency prior to pavement construction.

SECTION 02010 - DEMOLITION

- 1. Scope of Work: Clearing and grubbing shall consist of cutting, removal and disposal of all trees, down timber, brush, projecting roots, stumps, rubbish, boulders, broken concrete, fencing (as designated), and other material on the project site... 2. All debris generated from the clearing operations stated in Item 1 shall be removed and legally disposed of off the project site, unless a "Bury-Pit" approved by the Construction Manager, can be utilized in an area where it shall not be beneath building areas and/or pavement areas...

SECTION 02010 - DEMOLITION

- 1. Scope of Work: The Contractor shall excavate, demolish, remove and dispose of the debris generated from the demolition of the following items: A. Building walls B. Foundations C. Pavement and Curb (concrete, asphalt and brick) D. Concrete slabs E. Utilities (i.e. gas, electric, telephone, water and cable TV) F. Underground tanks and septic tanks

- 6. Conduit shall be required for all crossings under pavement areas. Contractor shall coordinate with the utility for the location and installation. Conduit shall be at least 4" PVC Schedule 40 or approved equal... 7. Existing storm sewers, sanitary sewers, water mains, gas mains, electric ducts, telephone ducts, steam mains and other underground structures and their house connections have been shown on the plans according to the best available information. The exact location and protection of these facilities and structures, their support and maintenance in operation during construction (in cooperation with the proper authorities of the utility involved), is the express responsibility of the Contractor in the performance of his contract and in the preparation of his bid.

SECTION 0220 - STORM SEWERS

- 1. Scope of Work: The work under this section includes all storm sewers, storm sewer inlets, and related items, including excavating and backfilling, necessary to complete the work shown on the drawings... 2. Standard specifications of City of Noblesville and Indiana Dept. of Highways Standard Specifications shall apply for all work and materials. Pipe shall be installed in accordance with Section 715... 3. All storm sewer pipe shall be reinforced concrete pipe conforming to ASTM Designation C-76 Class III, unless otherwise noted, in accordance with Section 906. Joints shall conform to ASTM 423 listed below and approved.

SECTION 02730 - SANITARY SEWERS

- 1. Scope of Work: The work under this section includes all sanitary sewers, manholes, castings, denouts, testing, permits, governmental inspections and approvals, fees, surveying layout, and related items, including excavation, backfill, grout fill, and dewatering necessary to complete the work shown on the drawings... 2. Specifications of Hamilton Southeastern Sanitary District for design and construction of sanitary sewer shall govern for all installation and materials... 3. Sanitary sewer pipe shall be "Armo-Truss-Pipe" conforming to ASTM D-2680 or PVC in accordance with ASTM D-3034 (S.D.R. 35) and ASTM 2321. Minimum cell classification for PVC and PVC Truss pipe shall be 12454-B or 12454-C... 4. For all sanitary sewer joints, the Contractor shall use gasket type joints with blue joints shall be allowed.

SECTION 02910 - SOIL EROSION CONTROL SEQUENCE

- The following is a list in sequence of construction activities to control soil erosion: 1. Contractor shall install sediment traps and straw bale filters, as shown... 2. Mass grade the site (sides of swales, mounds and ponds to be graded) with 1-1/2" diameter steel wad secured at head of pin. Wood stakes should be 1"x3" nominal stock cut in a triangular shape. Stakes should be 9' to 18' long depending on soil density. Longer anchors are required for loose soils.

SECTION 02910 - SOIL EROSION CONTROL SEQUENCE

- 1. Scope of Work: The work under this section includes all sanitary sewers, manholes, castings, denouts, testing, permits, governmental inspections and approvals, fees, surveying layout, and related items, including excavation, backfill, grout fill, and dewatering necessary to complete the work shown on the drawings... 2. Specifications of Hamilton Southeastern Sanitary District for design and construction of sanitary sewer shall govern for all installation and materials... 3. Sanitary sewer pipe shall be "Armo-Truss-Pipe" conforming to ASTM D-2680 or PVC in accordance with ASTM D-3034 (S.D.R. 35) and ASTM 2321. Minimum cell classification for PVC and PVC Truss pipe shall be 12454-B or 12454-C... 4. For all sanitary sewer joints, the Contractor shall use gasket type joints with blue joints shall be allowed.

SECTION 02730 - SANITARY SEWERS

- 1. Scope of Work: The work under this section includes all sanitary sewers, manholes, castings, denouts, testing, permits, governmental inspections and approvals, fees, surveying layout, and related items, including excavation, backfill, grout fill, and dewatering necessary to complete the work shown on the drawings... 2. Specifications of Hamilton Southeastern Sanitary District for design and construction of sanitary sewer shall govern for all installation and materials... 3. Sanitary sewer pipe shall be "Armo-Truss-Pipe" conforming to ASTM D-2680 or PVC in accordance with ASTM D-3034 (S.D.R. 35) and ASTM 2321. Minimum cell classification for PVC and PVC Truss pipe shall be 12454-B or 12454-C... 4. For all sanitary sewer joints, the Contractor shall use gasket type joints with blue joints shall be allowed.

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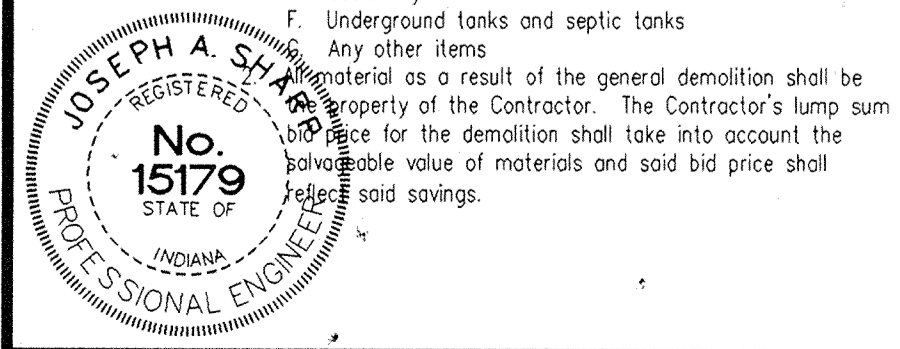
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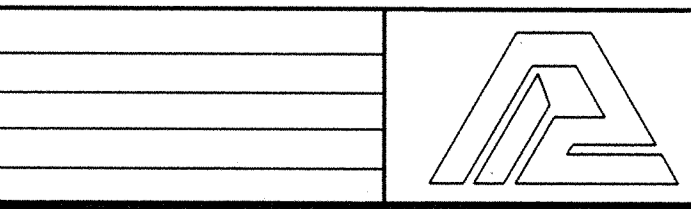
BRIDGEWATER SECTION TWO

Table with columns: DWG. TYPE, FILE NUMBER, SHEET, JOB NUMBER. Values: 80108-210220, C901



CERTIFIED BY: [Signature] DATE: 07/08/92

Table with columns: REVISIONS, NO., DESCRIPTION. Contains 3 revision entries.



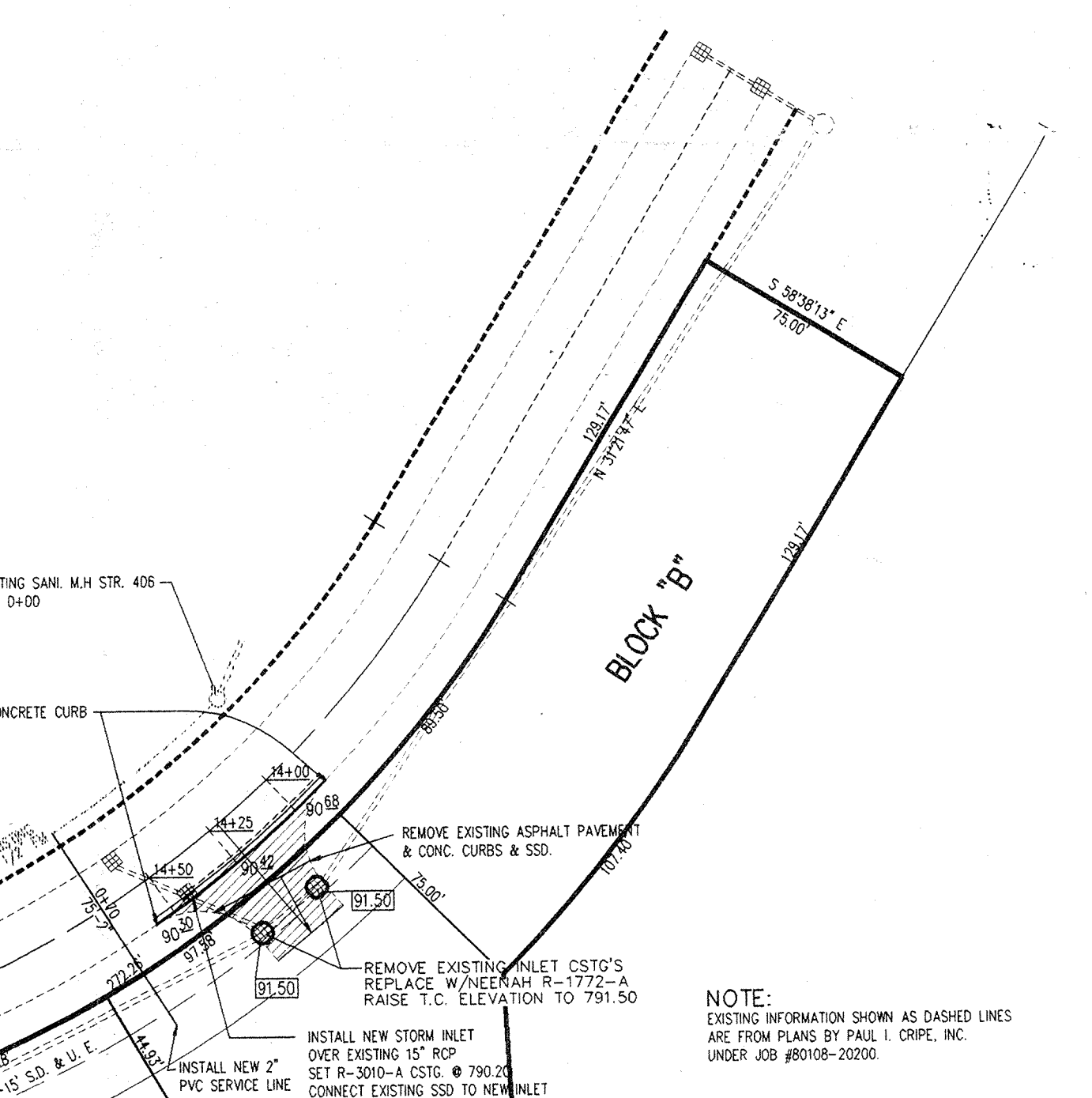
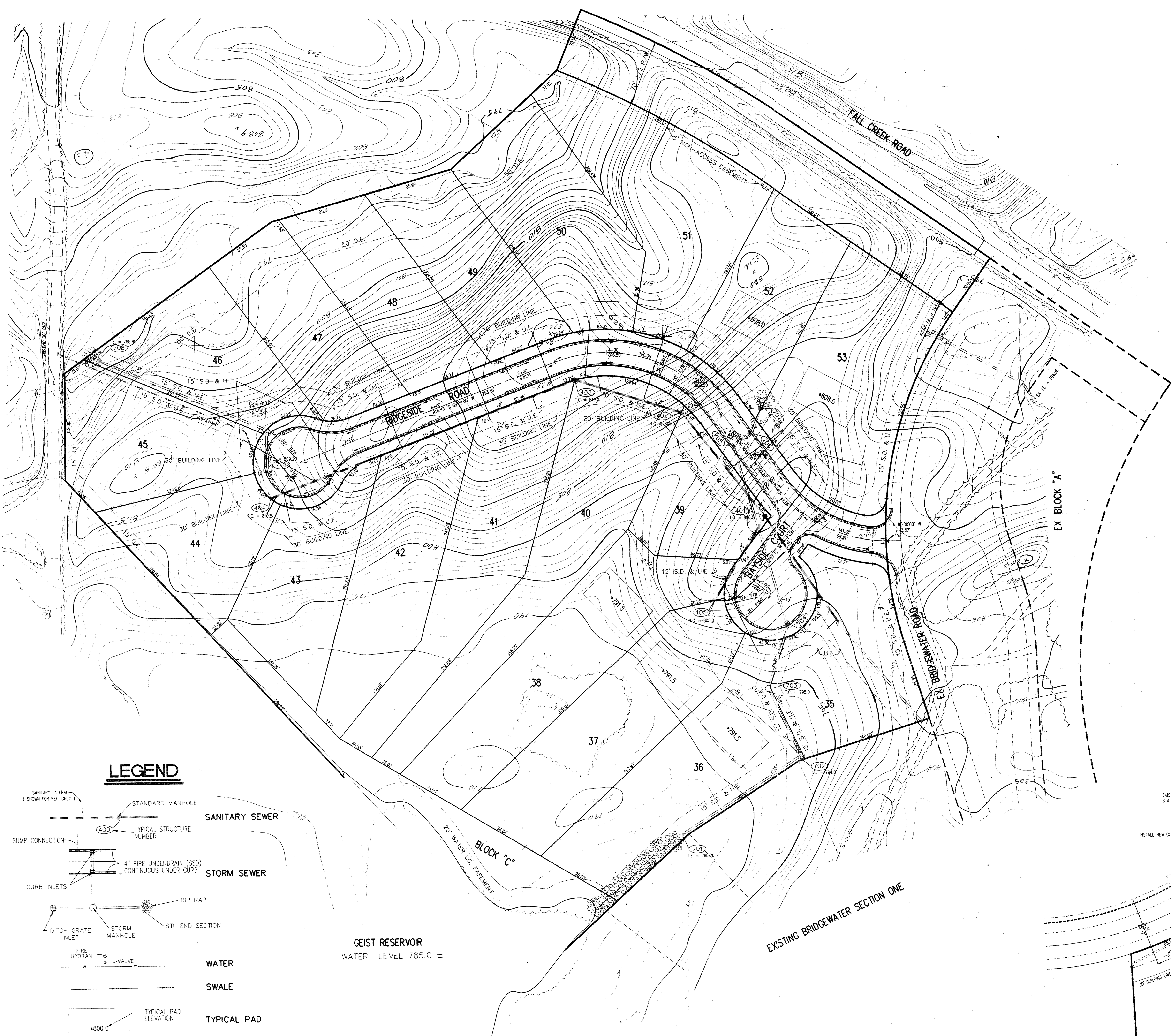
PAUL I. CRIFE, INC. 7172 GRAHAM ROAD, INDIANAPOLIS, INDIANA 46250 (317) 842-6777

- CIVIL ENGINEERING ENG. CHK: [initials]
LAND SURVEYING
ARCHITECTURE TECH. CHK: [initials]
LAND PLANNING

DRAWN BY: [initials] SCALE: NONE DATE: 07/08/92 CLIENT: MARINA LTD. PARTNERSHIP
DRAFTING: [initials] DRAWING TITLE: STANDARD SPECIFICATIONS

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

- GRADING NOTES**
- Elevations noted at centerline of street are top of curb elevations at that respective station.
 - See Street Plan & Profile sheet for additional grades on street areas.
 - It is the intent of these plans to use all excess fill material onsite. Borrow pits in construction fill areas may be utilized to obtain suitable fill material and waste topsoil.
 - Topographic and planimetric information from photographic compilation by others. Accuracy has not been totally confirmed by Paul I. Cripe, Inc. Typical aerial photogrammetric mapping accuracy is to within one-half contour interval. Any discrepancies shall be reported to the Engineer. The outside photogrammetric consultant shall be solely responsible for the accuracy of aerial mapping. Topographic mapping prepared by Mid States Eng. Dated FEB. 12, 1979.
 - Building pad areas designated for fill for future buildings shall be constructed of suitable fill material and compacted per specifications. All fill areas for building areas are to be stripped of topsoil prior to placement of fill.
 - Contractor shall preserve existing trees wherever possible. Owner and owner's representative shall be consulted for clearing limits. Clearing limits shall consist of all trees within street areas, utility installation limits and out and fill areas. Cleared trees may be buried onsite at the discretion of the owner's representative.
 - All topsoil shall be placed in mounding areas and nonstructural fill areas. Upon completion of mass earthwork, topsoil shall be spread to a depth of 4 to 6 inches in areas to be seeded such as lake slopes, mound areas, areas between curb and clearing limits, and all disturbed areas outside of building and parking areas.
 - Stow 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.
 - 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.
 - Spot Elevations - If during the construction or survey layout 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.
 - This engineered site plan does not disclose the required 100 year flood elevation or wetland restrictions in compliance with requirements of the Indiana Department of Resources (IDNR), the U.S. Army Corps of Engineers or the Flood Insurance Rate Maps (FIRM). The lot owner or his engineer should consult these sources before preparing specific site plans relating to building improvements.



Certified
AS BUILT
 date 7-7-94
Joseph A. Sharp

Hamilton County
 Indiana
 1823

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: 11-3-03
 Entered by: JDH

- NOTES**
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
 - WATER MAINS ARE SHOWN FOR REFERENCE ONLY. INSTALLATION OF WATER MAINS BY: INDIANAPOLIS WATER CO. BUILDING CONNECTIONS TO BE MADE BY BUILDING PLUMBER.



CERTIFIED BY:
Joseph A. Sharp
 DATE: 07/08/92

REVISIONS
07/07/92 REVISED PER COUNTY COMMENTS
8/25/92 REVISED ENTRANCE ALIGNMENT PER COUNTY COMMENTS

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

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

CONCEPT CHK:	DRAWN BY: R??	SCALE: 1" = 50'	DATE: 7/08/92	CLIENT: MARINA LTD. PARTNERSHIP
ENG. CHK:	DRFTNG. CHK:	DRAWING TITLE: SITE DEVELOPMENT PLAN		
DWC. TYPE				FILE NUMBER
JOB NUMBER				SHEET: C201
8 0 1 0 8 - 2 0 2 2 0				