

Drain: CRUICED CREEK DRAIN **Drain #:** 250
Improvement/Arm: ENGLISH OAKS
Operator: JOH **Date:** 12-4-03
Drain Classification: Urban/Rural **Year Installed:** 2000

GIS Drain Input Checklist

- Pull Source Documents for Scanning JPA 12-4
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JPA 12-4
- Digitize & Attribute SSD JPA 12-4
- Digitize & Attribute Open Ditch JPA 12-4
- Stamp Plans JPA 12-4
- Sum drain lengths & Validate JPA 12-4
- Enter Improvements into Posse JPA 12-4
- Enter Drain Age into Posse * Done
- Sum drain length for Watershed in Posse * Done -- split between two drains.
- Check Database entries for errors JPA 12-4

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

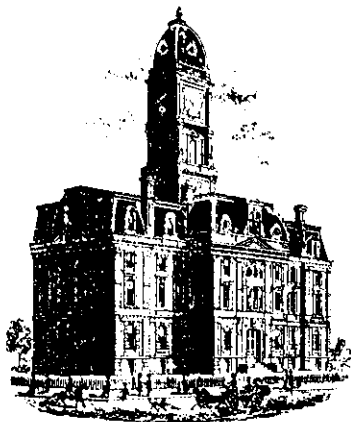
Drain-Improvement: CROOKED CREEK DRAIN - ENGLISH OAKS

					If Applicable	
Drain Type:	Size:	Length (SURVEYOR'S REPORT)	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	2,823'	2,823'	Ø		
RCP	12"	28'	28'	Ø		
	15"	1,062.99'	1,062.99'	Ø		
	18"	132.62'	132.62'	Ø		
OPEN DITCH		65'	65'	Ø		

Sum: 4,111.61' 4,111.61' Ø

Final Report: _____

Comments:



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

October 18, 2000

Re: Crooked Creek Drain, English Oaks Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the English Oaks Arm, Crooked Creek 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	2,717 ft	18" RCP	133 ft
12" RCP	28 ft	Open Ditch	65 ft
15" RCP	1,063 ft		

The total length of the drain will be 4,006 feet.

The retention pond (pond #1) located at the rear of Lots 2-5 and 7-8 is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The offsite drainage facilities are regulated to the eastside of the existing 15" RCP culvert under Shelbourne Road. The pipe under Shelbourne Road will not become part of the regulated drain. The portion of open drain is from structure 725 to the eastside of the pipe under Shelbourne.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines which are located within the easement/right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows: Rear of Lots 4-6 and the underdrain crossing the open space from Callowell Court to Pond #1.

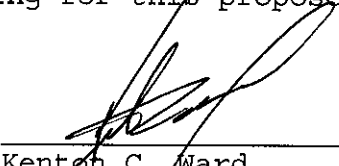
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$480.00.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those widths as shown on the secondary plat for English Oaks as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 27, 2000.

KCW/kkw



Kenton C. Ward
Hamilton County Surveyor

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of English Oaks Subdivision,
Section _____ 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 English Oaks, 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.

FILED
DEC 18 2000
OFFICE OF HAMILTON COUNTY SURVEYOR

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.


Signed _____

Craig von Deylen
Printed Name _____

Signed _____

Printed Name _____

RECORDED OWNER(S) OF LAND INVOLVED

DATE

12/14/07

FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Crooked Creek Drain, English Oaks Arm

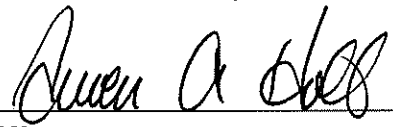
On this *27th day of November 2000*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Crooked Creek Drain, English Oaks Arm*.

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

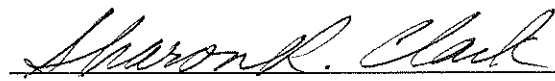
HAMILTON COUNTY DRAINAGE BOARD



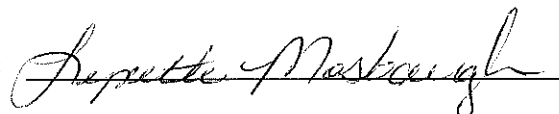
President



Member



Member

Attest: 

OFFICE OF

HAMILTON COUNTY DRAINAGE BOARD



Notice of Hearing to Establish Annual Assessments For The Periodic
Maintenance of The Crooked Creek Drain.
English Oaks Arm

Deylen Development
9595 Valparaiso Ct.
Indianapolis, IN 46268

You are hereby notified that the maintenance report of the County Surveyor and the schedule of assessments made by the Drainage Board have been filed and are available for public inspection in the office of the County Surveyor.

The Surveyor has estimated that the annual cost of periodically maintaining the drain is \$480.00 and that the schedule shows you are the owner of the following lands:

Description of Land	Acres in Tract	Acres Benefit'd	Maint. Assmt.	% of Total
Sec. <u>5</u> , Twp. <u>17</u> , Range <u>3</u> <u>English Oaks Ct, Corsham Cir,</u>	<u>4.40 Ac</u>	<u>4.40 Ac</u>	<u>\$30.00</u>	<u>6.25%</u>
<u>Stratton Cir, Callowwell Ct.</u>	<u>9 Parcels</u>	<u>9 Parcels</u>	<u>\$270.00</u>	<u>56.25%</u>
<u>Lots 1 thru 8 & 27 @ \$30/each</u>	<u>5 Parcels</u>	<u>5 Parcels</u>	<u>\$150.00</u>	<u>31.25%</u>
<u>Blks B thru F</u>	<u>3.23 Ac</u>	<u>2.23 Ac</u>	<u>\$ 30.00</u>	<u>6.25%</u>
<u>Blk A</u>				

A hearing will be held by the Drainage Board in Commissioner's Court at 9:05 A.M. on November 27, 2000, on the Surveyor's maintenance report and the schedule of assessments. The law requires that objections must be written and filed not less than five (5) days before the above hearing on the ground that benefits assessed are excessive. Written evidence in support of objections may also be filed. The failure of any owner to file an objection constitutes a waiver of his right to thereafter object on such ground to any final action of the Board. On or before the hearing date the Surveyor or any owner of lands named in the schedule of assessments may cause written evidence to be filed in support of or in rebuttal to any objection filed.

HAMILTON COUNTY DRAINAGE BOARD

THIS IS NOT A BILL. If approved by the Board, you will receive a Drainage Assessment Statement after costs have been certified to the County Auditor.

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF
Crooked Creek Drain, English Oaks Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Crooked Creek Drain, English Oaks Arm on November 27, at 9:05 A.M. in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: *Kimberly Walker*

ONE TIME ONLY


BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE
Crooked Creek Drain, English Oaks Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest:



ONE TIME ONLY

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: English Oaks Subdivision

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.

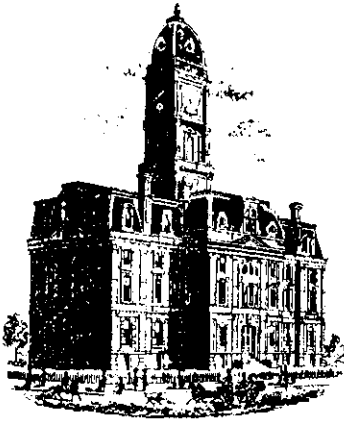
Signature: Joseph A. Sharp Date: 8-12-03

Type or Printed Name: Joseph A. Sharp

Business Address: 7172 Graham Road
Indianapolis, IN 46250

Telephone: (317) 842-6777

INDIANA REGISTERED NUMBER
LS 80040076



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

December 3, 2003

Re: Crooked Creek Drain: English Oaks Arm

Attached are as-builts, certificate of completion & compliance, and other information for English Oaks. 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 October 18, 2000. The report was approved by the Board at the hearing held November 27, 2000. (See Drainage Board Minutes Book 5, Pages 507-508)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
714	900.93	897.6					
715	901.14	897.4	15	69.65	-0.2		
715	901.14	897.4					
716	893.9	893.9	15	192.26	-0.2		
717	901.08	897.8					
718	900.94	897.7	12	28	-0.21		
718	900.94	897.6					
719	900.57	897.2	15	199.08	-0.2		
719	900.57	897.2					
720		896.9	18	132.62	-0.2		
723		896.9					
724	898.97	896.9	15	22	-0.2		
724	898.97	896.8					
725		895	15	580	-0.33		

6" SSD Streets:

Callowell Ct	531
English Oaks Ct	65
Corsham Cir	355
Stratton Cir	279
x2	1230

Total: 2460

RCP Pipe Totals:

12	28
15	1062.99
18	132.62

Total: 1223.61

Other Drain:	
Open Ditch	65

6" SSD Lots:

Lots 4-6 & CA	363
Total:	363

Total: 65

The length of the drain due to the changes described above is now **4111.61 feet**.

The non-enforcement was approved by the Board at its meeting on November 27, 2000 and recorded under instrument #2001-00002890.

The following sureties were guaranteed by Developers Surety and Indemnity Company and released by the Board on its August 25, 2003 meeting.

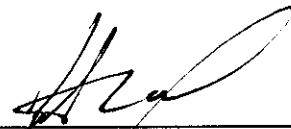
Bond-LC No: 266
Insured For: Storm Sewers
Amount: \$52,300
Issue Date: June 23, 2000

Bond-LC No: 265
Insured For: Erosion Control
Amount: \$8,740
Issue Date: June 22, 2000

Bond-LC No: 267
Insured For: Sub Surface Drains
Amount: \$42,685
Issue Date: June 23, 2000

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

Sincerely,



Keifton C. Ward,
Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Drain: Crooked Creek #250
 Improvement-Arm: English Oaks
 Engineer: Paul I Cripe
 Asbuilt Project #: 0990478-20000

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
714	900.93	897.6					
715	901.14	897.4	15	69.65	-0.2		
715	901.14	897.4					
716	893.9	893.9	15	192.26	-0.2		
717	901.08	897.8					
718	900.94	897.7	12	28	-0.21		
718	900.94	897.6					
719	900.57	897.2	15	199.08	-0.2		
719	900.57	897.2					
720		896.9	18	132.62	-0.2		
723		896.9					
724	898.97	896.9	15	22	-0.2		
724	898.97	896.8					
725		895	15	580	-0.33		

6" SSD Streets:

Callowell Ct	531
English Oaks Ct	65
Corsham Cir	355
Stratton Cir	279
x2	1230
Total:	2460

6" SSD Lots:

Lots 4-6 & CA	363
Total:	363

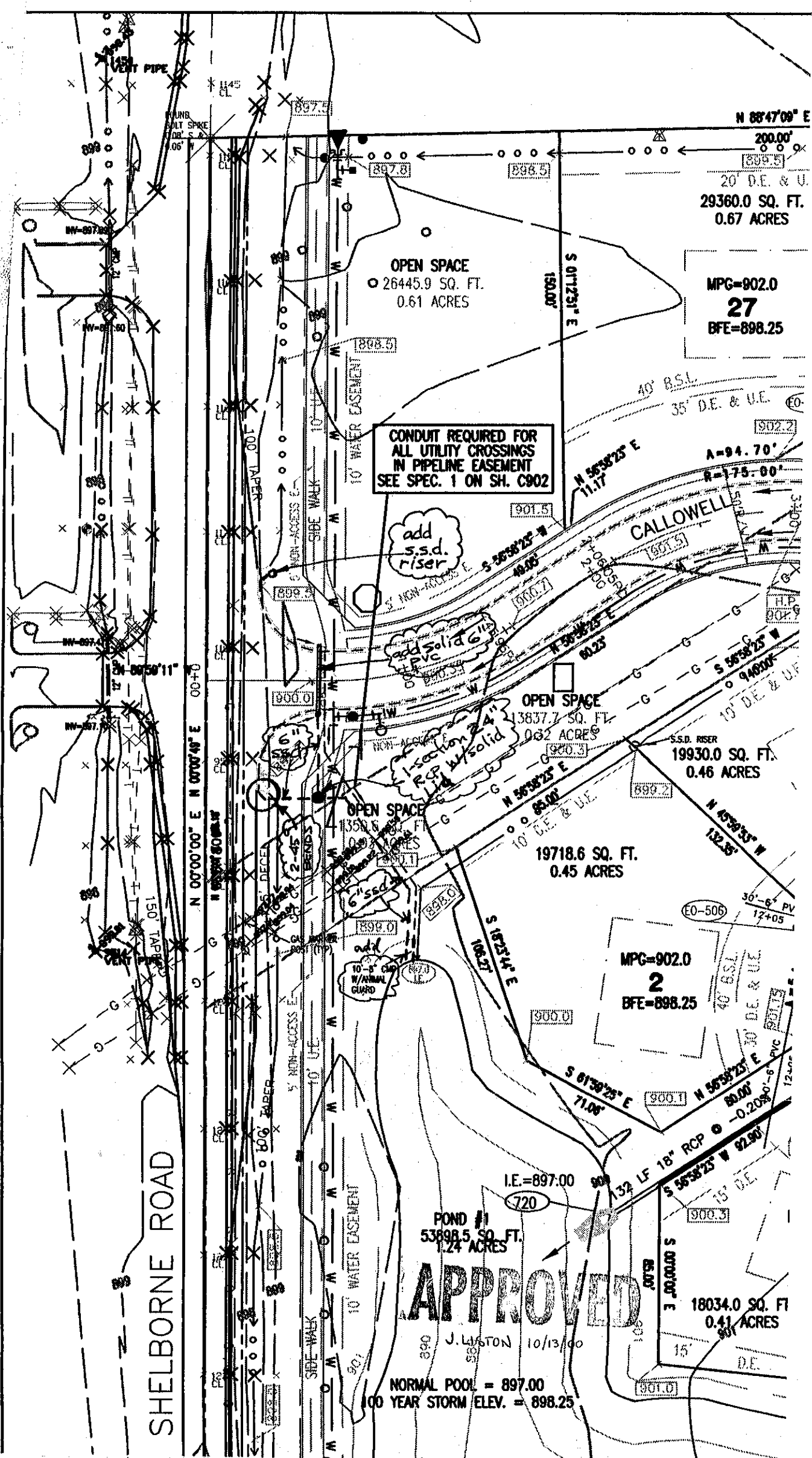
RCP Pipe Totals:

12	28
15	1062.99
18	132.62
Total:	1223.61

Other Drain:

Open Ditch	65
Total:	65

Drain Total: 4111.61



N 88°47'09" E
200.00'
20' D.E. & U.
29360.0 SQ. FT.
0.67 ACRES

MPG=902.0
27
BFE=898.25

CONDUIT REQUIRED FOR ALL UTILITY CROSSINGS IN PIPELINE EASEMENT SEE SPEC. 1 ON SH. C902

add s.s.d. riser

add solid 6" PVC

1 section 24" RCP w/ solid Lid

add 10'-5" W/ W/ MAN GUARD

OPEN SPACE
13837.7 SQ. FT.
0.32 ACRES

S.S.D. RISER
19930.0 SQ. FT.
0.46 ACRES

19718.6 SQ. FT.
0.45 ACRES

MPG=902.0
2
BFE=898.25

POND #1
53898.5 SQ. FT.
1.24 ACRES

APPROVED

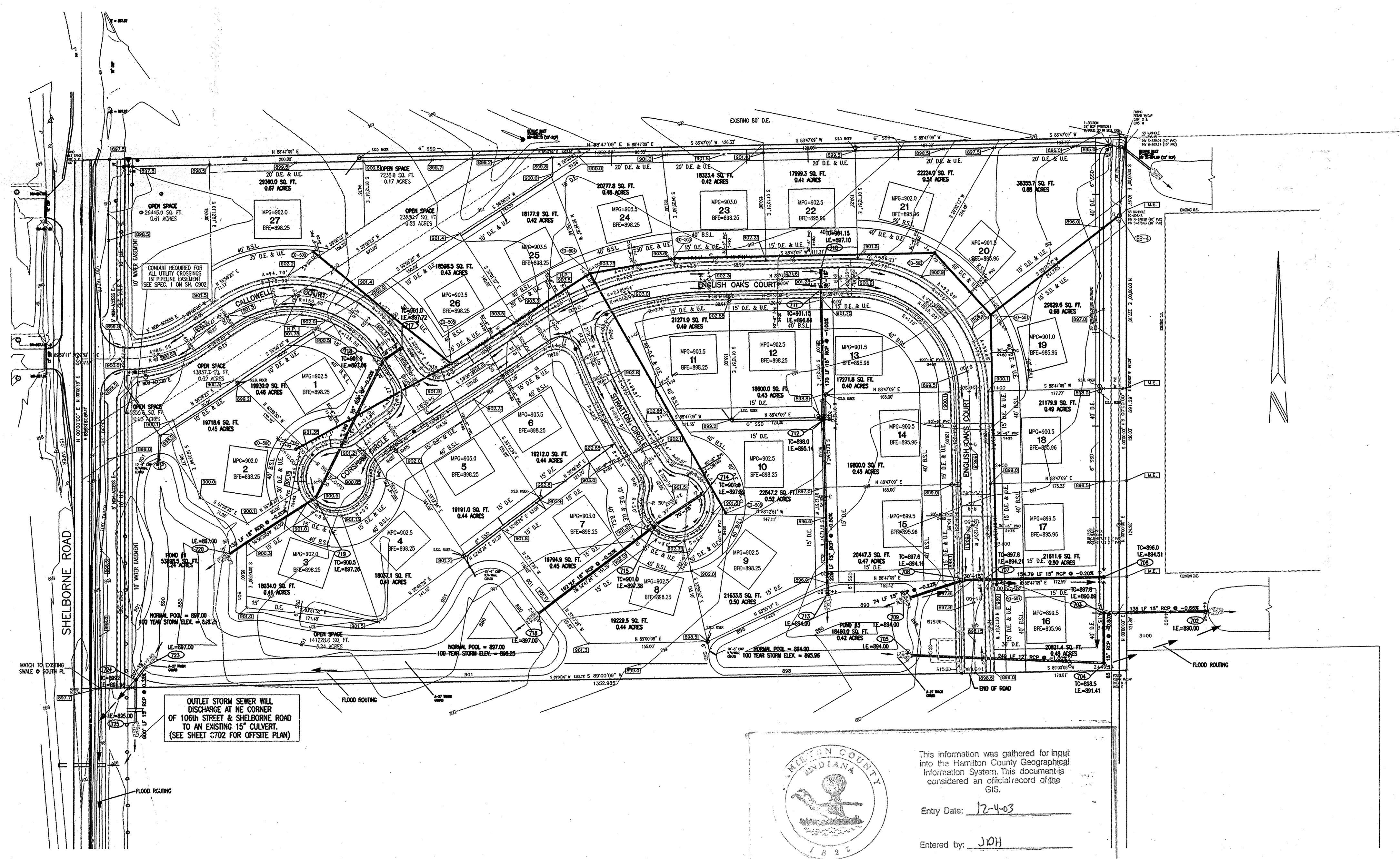
J. LUSTON 10/13/00

NORMAL POOL = 897.00
100 YEAR STORM ELEV. = 898.25

CONSTRUCTION PLANS FOR ENGLISH OAKS

Developer:
Deylen Development

Site Engineers / Surveyors
Paul I. Cripe Inc.



INDEX

SHT	DESCRIPTION
CS	COVER SHEET
C101	MAP SHEET
C102	EXISTING CONDITIONS PLAN
C201	SITE DEVELOPMENT PLAN
C203	EROSION CONTROL PLAN
C204	EROSION CONTROL PLAN
C205	ENTRANCE DETAIL/TRAFFIC MAINTENANCE
C301	STREET PLAN & PROFILE
C302	STREET PLAN & PROFILE
C501	SANITARY PLAN & PROFILE
C502	SANITARY PLAN & PROFILE
C503	SANITARY DETAILS
C701	STORM PLAN & PROFILE
C702	STORM PLAN & PROFILE
C703	STORM DETAILS
C801	WATERMAIN PLAN
C901	STANDARD DETAILS
C902	STANDARD SPECIFICATIONS

BENCHMARKS

B.M. - RIM OF SANITARY M.H. LOCATED 6' NORTH AND 9' WEST OF THE NORTHEAST CORNER OF SUBJECT TRACT. ELEV. = 898.15

B.M. - TOP OF RAILROAD SPIKE IN CENTER OF SHELBORNE RD. (NORTH WEST CORNER, S.W. 1/4, SEC. 5-17-3) 1331.8' NORTH OF THE NORTHWEST CORNER OF SUBJECT TRACT. ELEV. = 904.39

CONTACT CO. / PERSON FOR

NAME	PHONE NO.	FAX NO.
OWNER	DEYLEN DEVELOPMENT	823-2411 879-9387
DEVELOPER	DEYLEN DEVELOPMENT	823-2411 879-9387
POWER	ENERGY/PSI	800-521-2232
GAS	INDIANA GAS CO.	800-666-3096
TELEPHONE	AMERITECH	352-4258 252-5000
CABLE	TIME WARNER CABLE	972-9700
WATER	INDPLS. WATER CO.	327-5772 263-6400
CO.SURVEYOR	KENT WARD	776-8495 776-9628
PLANNING	TERRY JONES	571-2426
TRAFFIC	HAM CITY HWY	773-7770 776-9614
SANITARY	CLAY TWP. RWD	844-9200
DRAINAGE	HAM CO SURV	776-8495 776-9628
EROSION	HAM CO SWCD	773-1406 776-1101

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

PAUL I. CRIFE TEAM 317-842-6777 FAX-841-4798

PROJECT MANAGER	BRIAN NEWMAN	649
PROJECT ENGINEER	JOE SHARP	675
PROJECT SURVEYOR	DENNIS SINGER	635
PROJECT LAND PLANNER	JOE SHARP	675
ENGINEERING ASSOCIATE	RUDY TAVAREZ	720
QUALITY ASSURANCE	TOM SCHELLENBERGER	622

DWG. TYPE: FILE NUMBER: EXT. NO. 8-22-00

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: 12-4-03
Entered by: JOH

DESIGN SPEED 25 M.P.H.

PAUL I. CRIFE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777 FAX (317) 841-4798
E-Mail: picrife@picrife.com

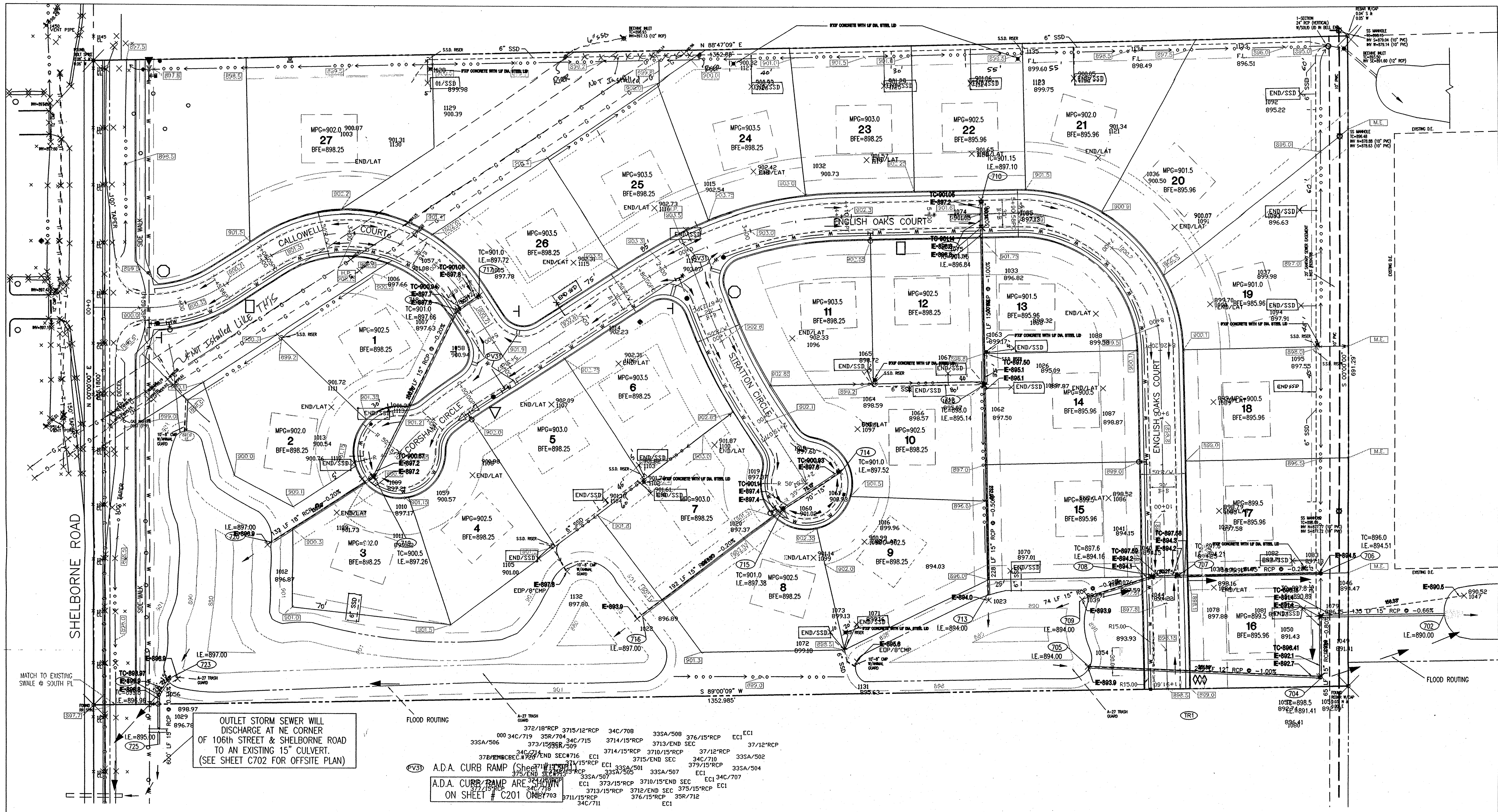
COVER SHEET
English Oaks Subdivision
DEYLEN DEVELOPMENT
9595 VALPARAISO COURT
INDIANAPOLIS, IN 46268
PHONE: 823-2411

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

Drawn By: Checked By: Quality Assurance: Scale: 1" = 400'

FILE CS
JUL 17 2003 8:22:00
099478-20000

This copy is from the Digital Archive of the Hamilton County Surveyor's Office, Noblesville, IN 46060



OUTLET STORM SEWER WILL DISCHARGE AT NE CORNER OF 106th STREET & SHELBERNE ROAD TO AN EXISTING 15" CULVERT. (SEE SHEET C702 FOR OFFSITE PLAN)

FLOOD ROUTING

372/18" RCP	3715/12" RCP	34C/708	33SA/508	376/15" RCP	EC1	37/12" RCP
000 34C/719	35R/704	34C/715	3714/15" RCP	3713/END SEC	3715/END SEC	3712" RCP
33SA/506	373/15" RCP	33A/509	3714/15" RCP	3710/15" RCP	3712" RCP	33SA/502
34C/710	3715/END SEC	34C/710	3715/END SEC	379/15" RCP	33SA/504	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	
372/18" RCP	3715/12" RCP	34C/711	33SA/507	EC1	34C/707	

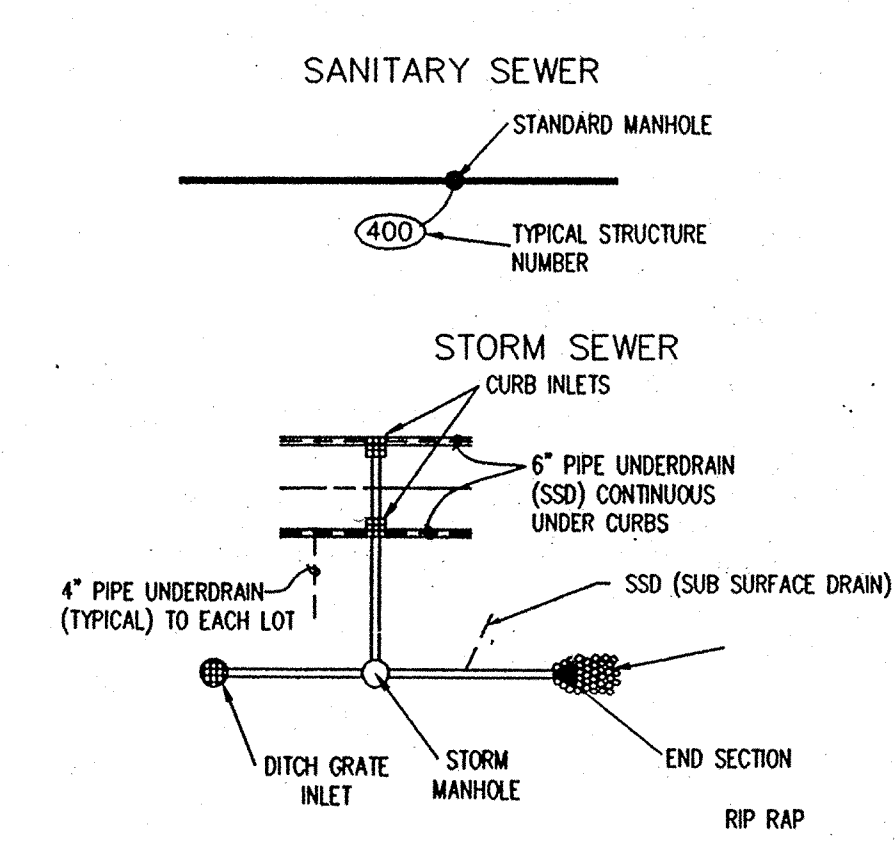
- GRADING NOTES:**
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
 - ALL TOPSOIL SHALL BE PLACED IN MOUNDING AREAS AND NONSTRUCTURAL FILL AREAS. UPON COMPLETION OF MASS EARTHWORK, TOPSOIL SHALL BE SPREAD TO A DEPTH OF FOUR TO SIX (4 TO 6) INCHES IN AREAS TO BE SEEDING SUCH AS LAKE SLOPES, MOUND AREAS, AREAS BETWEEN CURBS AND CLEARING LIMITS, AND ALL DISTURBED AREAS OUTSIDE OF BUILDING AND PARKING AREAS.
 - STRAW BALE DAMS, SEDIMENT PITS AND SILT FENCES SHALL BE UTILIZED TO CONTROL EROSION. SEE EROSION CONTROL PLAN FOR ADDITIONAL INFORMATION.
 - EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO MAJOR EARTHWORK, WITHIN THE PROPOSED CONSTRUCTION LIMITS.
 - THE BASE FLOOR ELEVATION (BFE) FOR THIS PROJECT HAS BEEN DETERMINED TO BE 788.40 FEET. THE MINIMUM FINISHED FLOOR ELEVATION INCLUDING BASEMENTS, MUST BE TWO (2) FEET ABOVE THE BFE.
 - SEE STREET PLAN & PROFILE SHEET FOR ADDITIONAL GRADES ON STREET.
 - THE INTENT OF THESE PLANS IS TO USE ALL EXCESS FILL MATERIAL ONSITE. BORROW PITS IN NONSTRUCTURAL FILL AREAS MAY BE UTILIZED TO OBTAIN SUITABLE FILL MATERIAL AND TO DISPOSE OF TOPSOIL.
 - BUILDING PAD AREAS AND STREETS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPLETED PER SPECIFICATIONS. ALL FILL AREAS FOR BUILDING AREAS AND STREETS 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 BE SET BY ALL TREES WITHIN STREET RIGHT-OF-WAY, UTILITY INSTALLATION LIMITS AND CUT FILL LIMITS.
 - 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 THE 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 ALLOWABLE VARIATION IN FINISH GRADE AND 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 GRADES - 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 APPEAR TO BE TOO STEEP OR FLAT FOR ONSITE CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY TO ADJUST OR ADD ADDITIONAL ELEVATIONS AS REQUIRED.
- THE MINIMUM PAD GRADE (MPG) IS THE FINISHED GRADE ELEVATION ADJACENT TO THE BUILDING, TEN (10) FEET AWAY FROM THE BUILDING. THE ELEVATION SHALL BE SIX (6) INCHES LESS THAN THE MPG TO INSURE PROPER DRAINAGE AWAY FROM THE BUILDING. ELEVATIONS AT THE SIDE YARDS PROVIDES FOR PROPER DRAINAGE TO THE STREET OR YARD SWALES. IT IS IMPORTANT THAT THESE ELEVATIONS BE PROPERLY CONSTRUCTED AND MAINTAINED FOR PROPER DRAINAGE. IF THESE ELEVATIONS ARE NOT MAINTAINED, PROPER DRAINAGE OR MAINTENANCE OF GRADES AS SHOWN ON THESE PLANS.
- TOPOGRAPHIC AND PLANNING INFORMATION FROM PHOTOGRAPHIC COMPILATION BY OTHERS. ACCURACY HAS NOT BEEN TOTALLY CONFIRMED BY PAUL I. CRIFE, INC. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.

THE HOMEOWNER, BUILDER OR HIS REPRESENTATIVE MUST HAVE A PLOT PLAN PREPARED AND SEALED BY A PROFESSIONAL ENGINEER THAT MEETS ALL THE REQUIREMENTS OF THE PLANNING JURISDICTIONS, FEDERAL AND STATE REQUIREMENTS, LOCAL UTILITIES, COVENANTS AND ANY OTHER ENCUMBRANCES. THIS PLAN, AMONG OTHER THINGS, SHALL CONSIDER FLOOR LEVELS, STORM ROUTINGS, AND MINIMUM FLOOR ELEVATIONS. GRAVITY SEWER SHALL NOT BE CONSIDERED FOR LOWER LEVELS. PAUL I. CRIFE, INC. SHALL BE HELD HARMLESS IF THESE REQUIREMENTS ARE NOT MET.

ANY CONSTRUCTION BELOW THE 100 YEAR FLOOD ZONE "X" REQUIRES PERMIT FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). ANY CONSTRUCTION IN FLOODWAY REQUIRES PERMIT FROM INDIANA DEPARTMENT OF NATURAL RESOURCES (IDNR).

NO PAD - MEANS THIS IS A HEAVILY WOODED LOT AND NO PAD FILL REQUIRED BY THE DEVELOPER.
MPG - (MINIMUM PAD GRADE) MEANS THE DEVELOPER IS TO FILL THE PAD AREA TO THE GRADE SHOWN ON PLANS.
BFE - (BASE FLOOR ELEVATION) MEANS THE 100 YEAR FLOOD ELEVATION.



Subsurface Drain Location
RECORD DRAWING
July 31, 2001
Joseph A. Sharp



- NOTE:**
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY REFLECT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
 - TOPOGRAPHIC AND PLANNING INFORMATION FROM PHOTOGRAPHIC COMPILATION BY OTHERS. ACCURACY HAS NOT BEEN TOTALLY CONFIRMED BY PAUL I. CRIFE, 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 PHOTOGRAMMETRIC MAPPING. TOPOGRAPHIC MAPPING PREPARED BY:

LEGEND

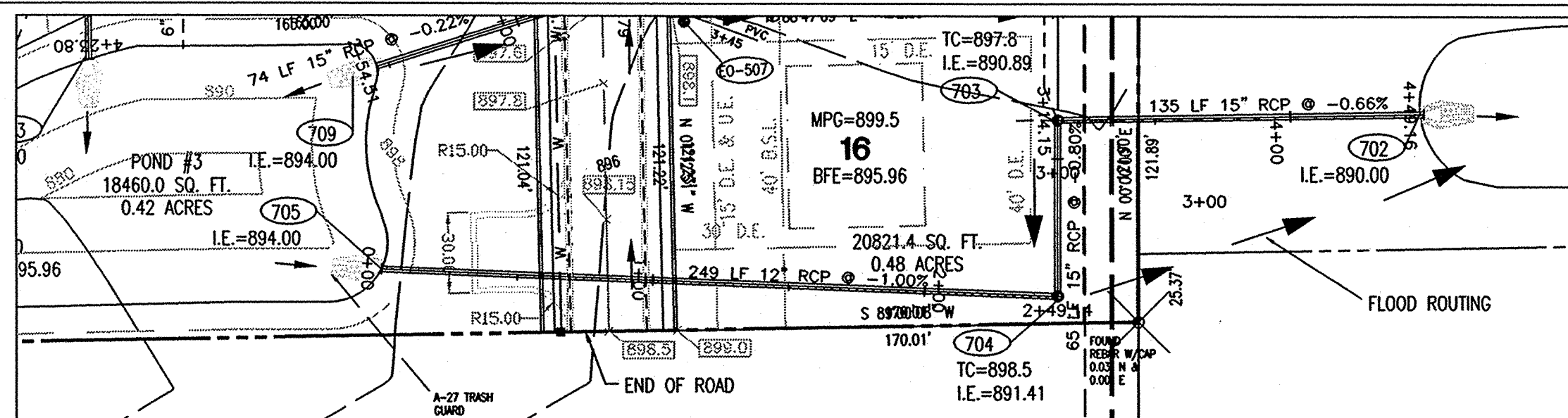
TRAFFIC MAINTENANCE

	- STOP
	- YIELD
	- SPEED LIMIT
	- STREET NAME
	- END OF ROAD

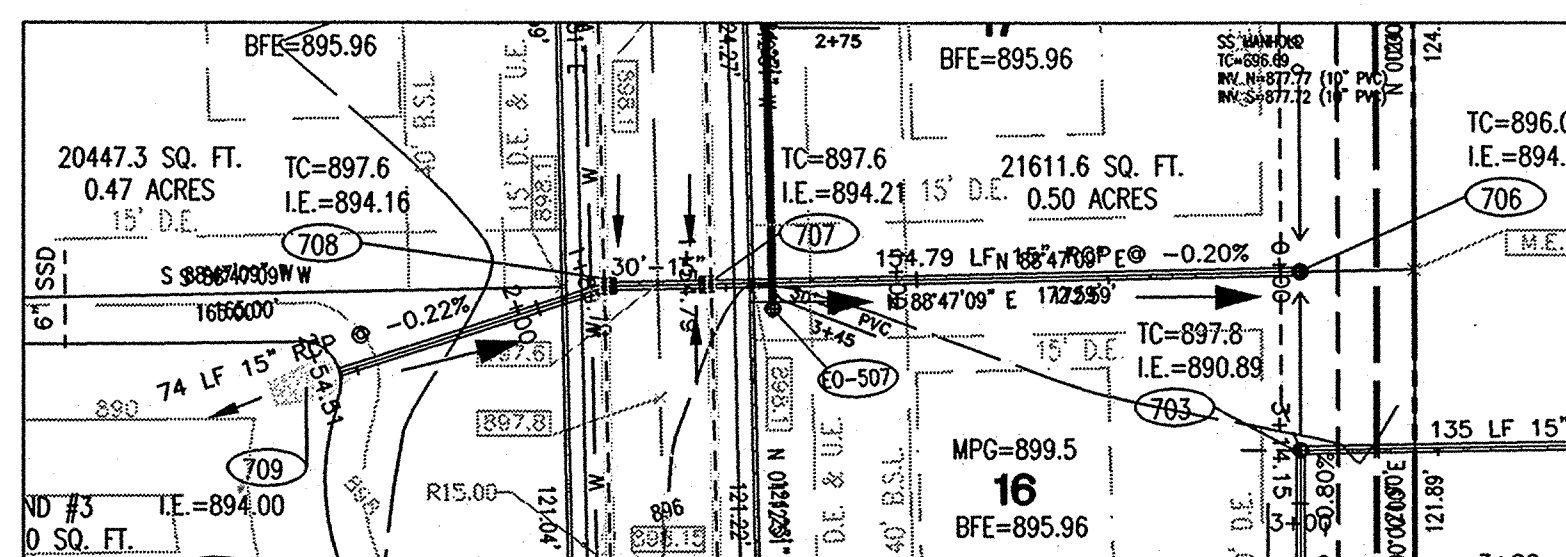
PAUL I. CRIFE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777 FAX (317) 841-4798
E-Mail at pcrife@pcrife.com

SITE DEVELOPMENT PLAN
English Oaks Subdivision
DEYLEN DEVELOPMENT
9595 VALPARAISO COURT
INDIANAPOLIS, IN 46268
PHONE: 879-4387

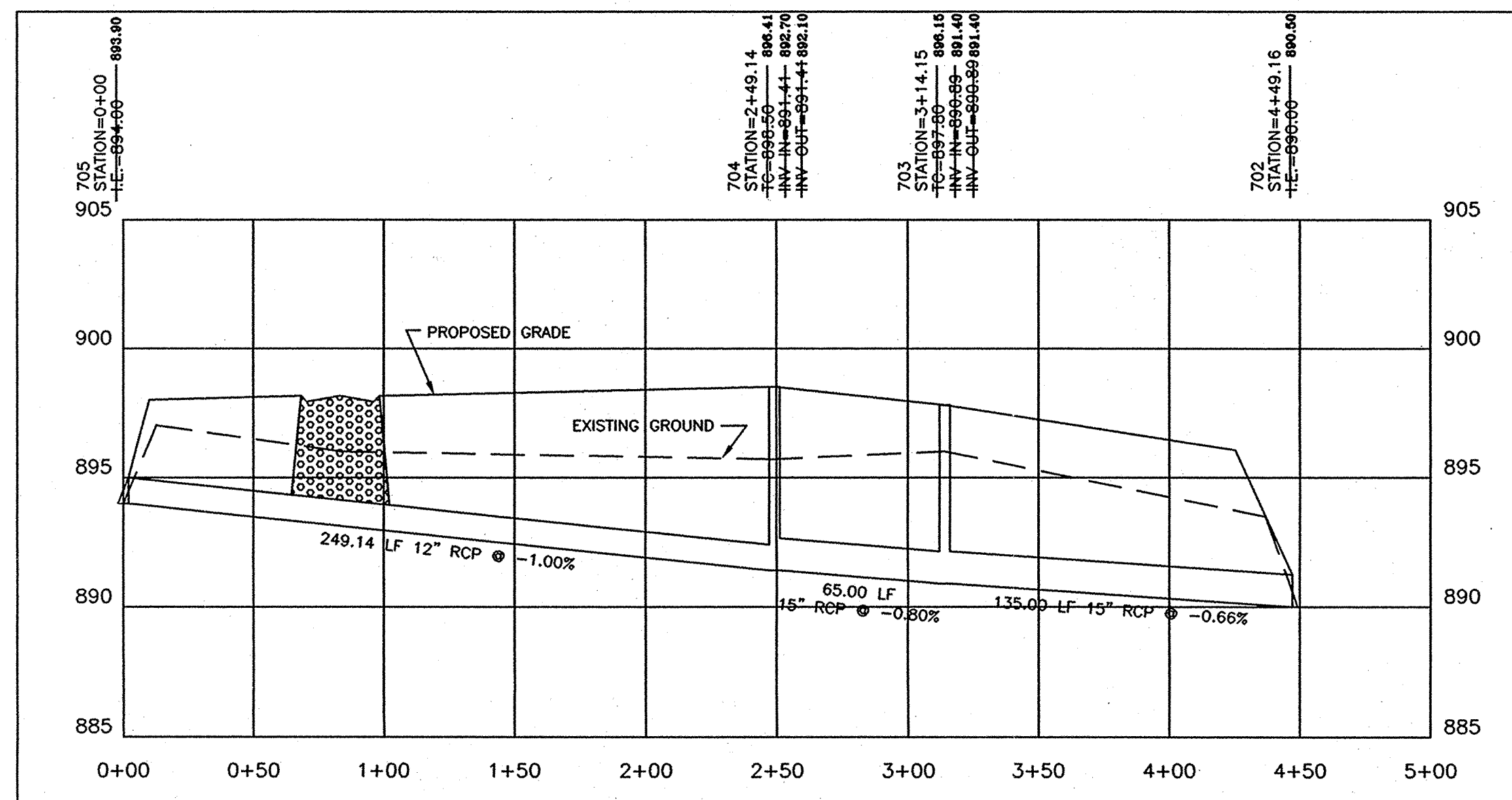
CERTIFIED BY: _____
Date: _____
Scale: 1" = 50'
FILED C201
JUL 17 2003 09-22-00
OFFICE OF HAMILTON COUNTY ENGINEER



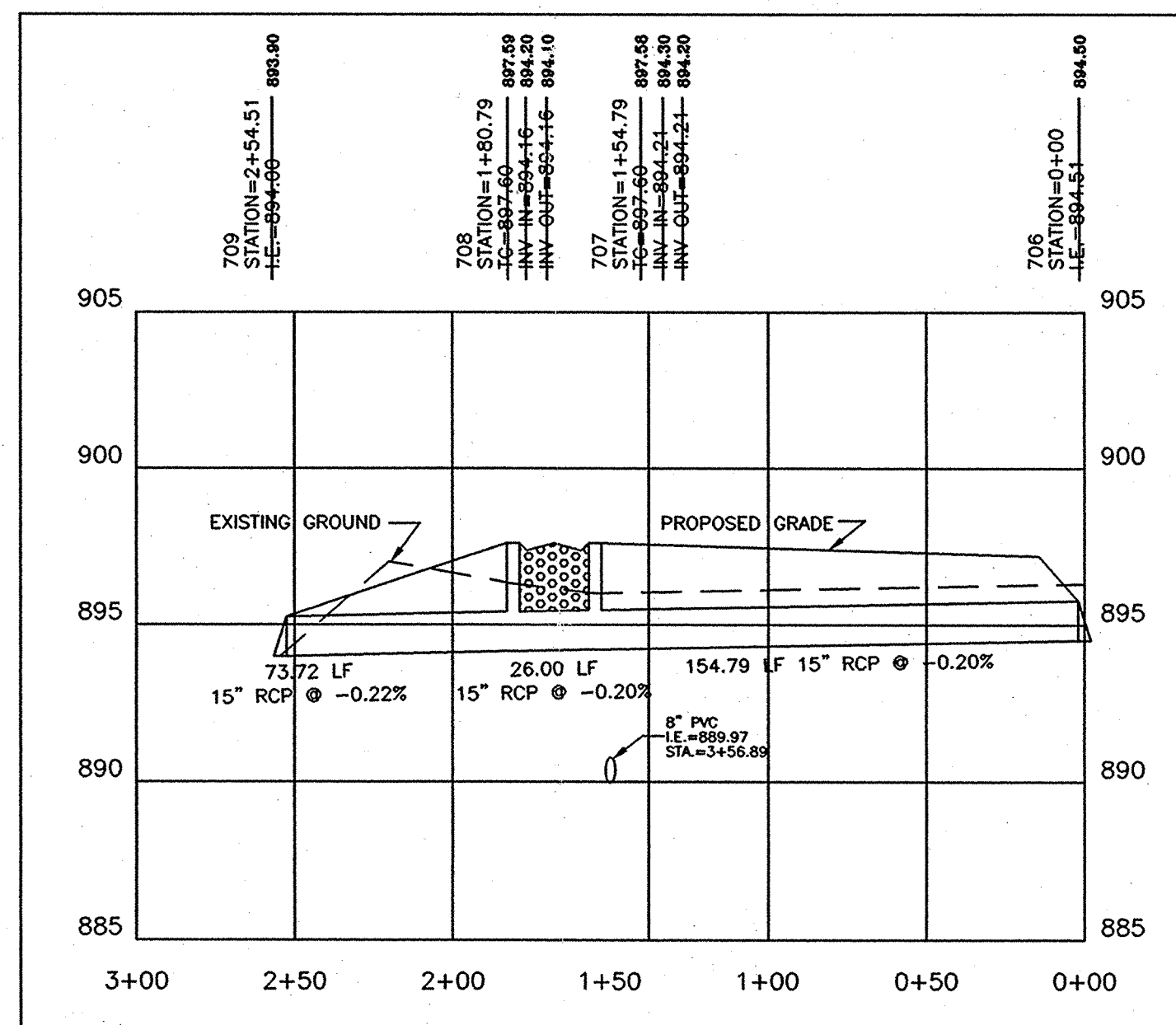
PLAN ONE



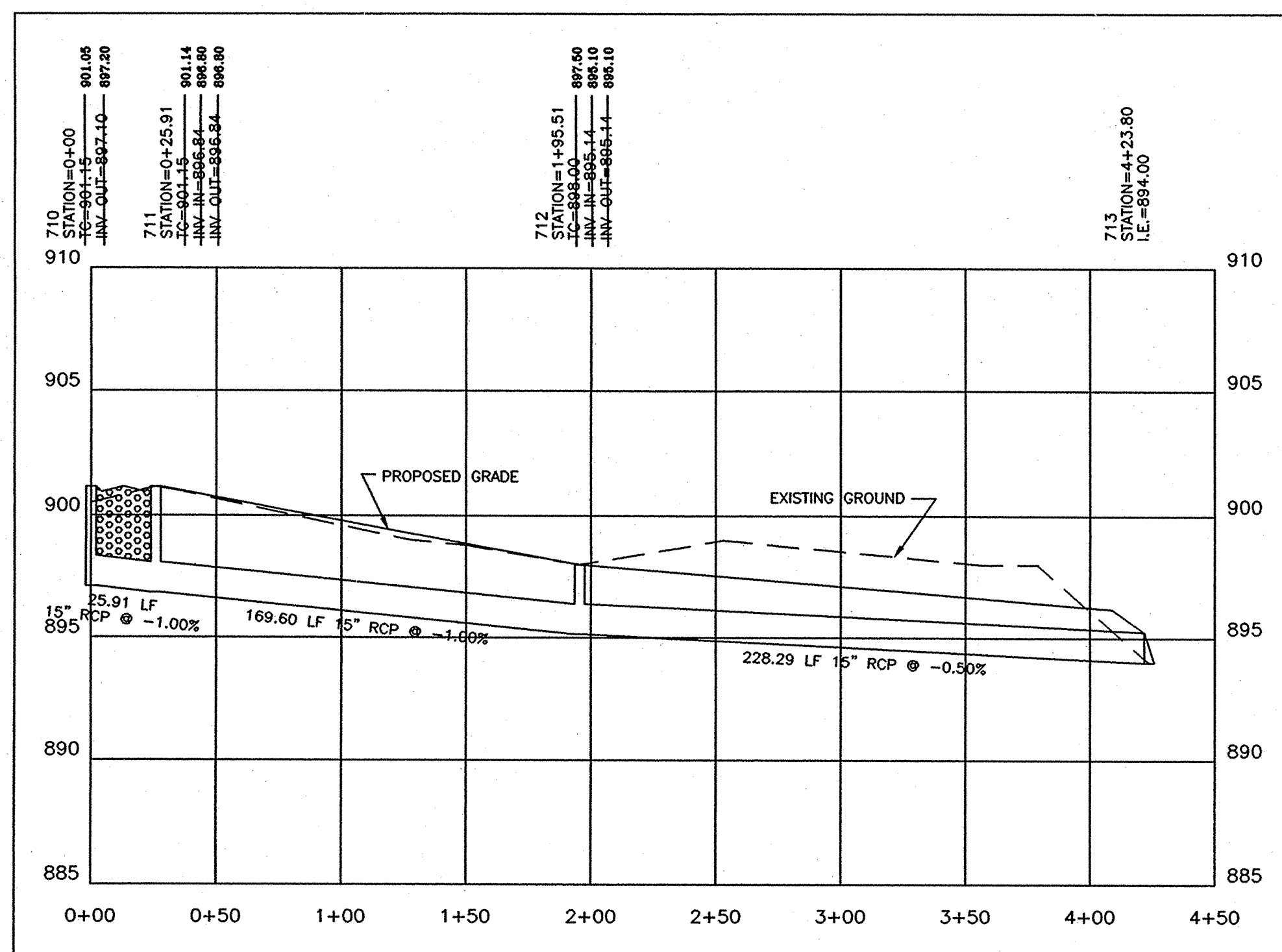
PLAN TWO



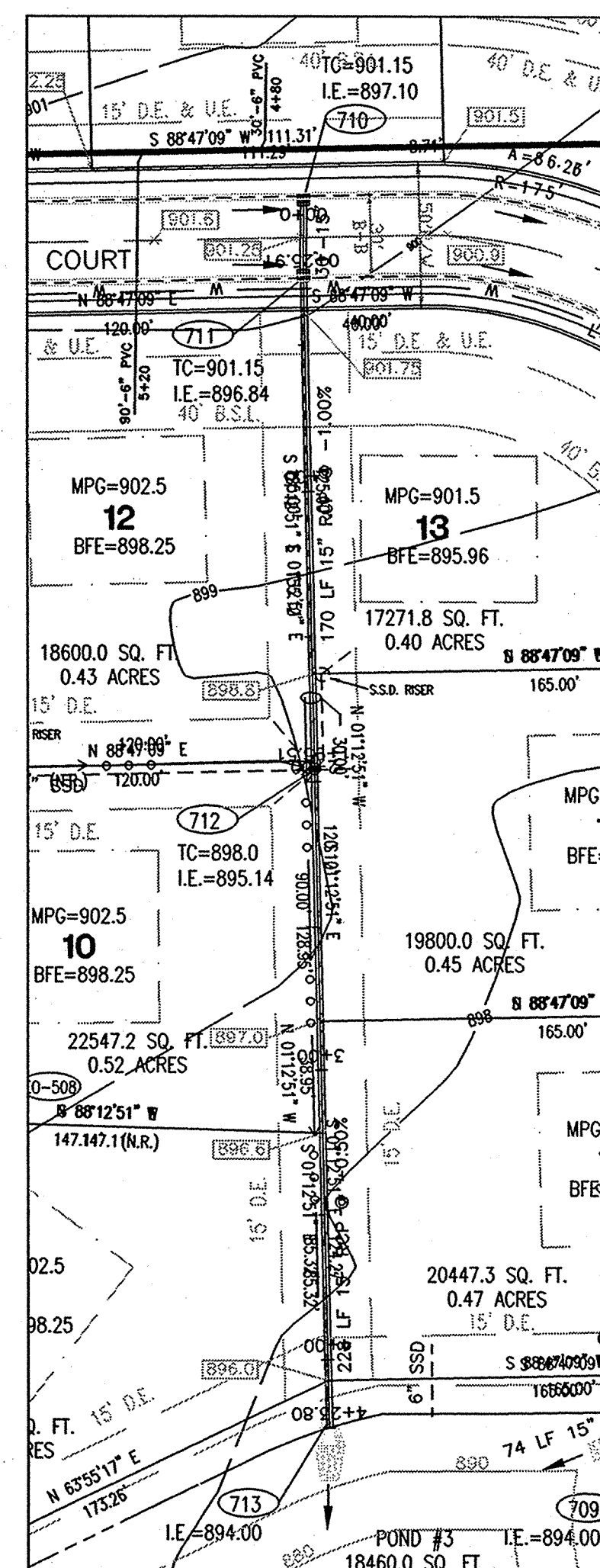
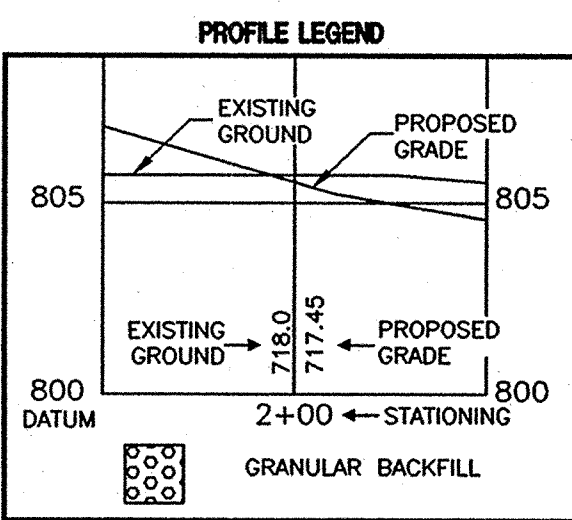
PROFILE ONE



PROFILE TWO



PROFILE FOUR



PLAN FOUR

RECORD DRAWING



Certified 07-25-01
Joseph A. Shay

STORM SEWER PLAN AND PROFILE NOTES:

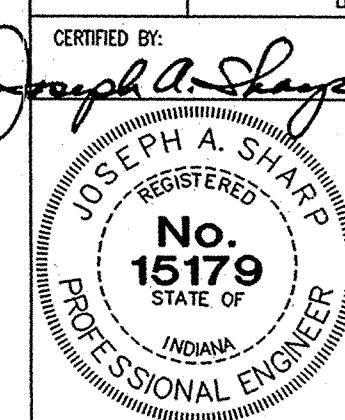
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUDED, TROWELED SMOOTH AND BRUSH FINISHED.
- ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHMALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
- FIELD ADJUSTMENTS OF TOP OF CASTINGS (I.E.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE.
- STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
- STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
- FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
- SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C907
- THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
A) REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT.
B) AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4000 PSI CONCRETE COLLAR WITH 4x410 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
C) ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.



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.

STORM PLAN AND PROFILE
English Oaks Subdivision
DEYLEN DEVELOPMENT
9595 VALPARAISO COURT
INDIANAPOLIS, IN 46268



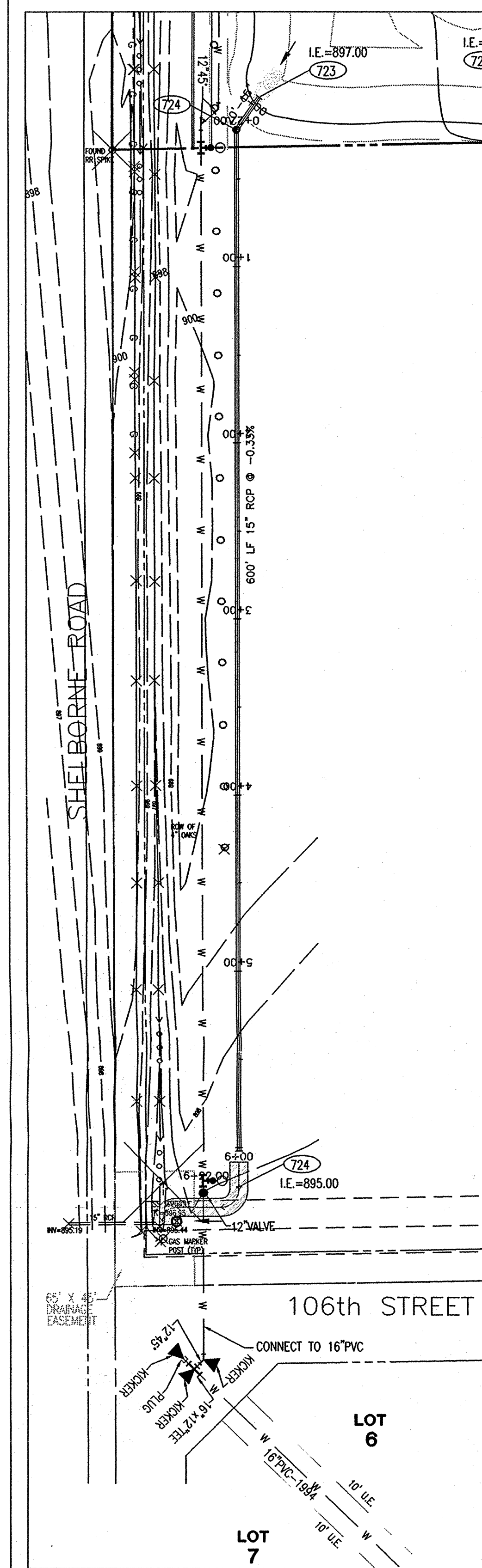
Drawn By:
Checked By:
Quality Assurance:
Scale: 1" = 40'
Sheet: C701
Date: 08-22-00
Project Number: 17 0990478-20000

Revision	Date	Description
1	05/05/00	REVISED

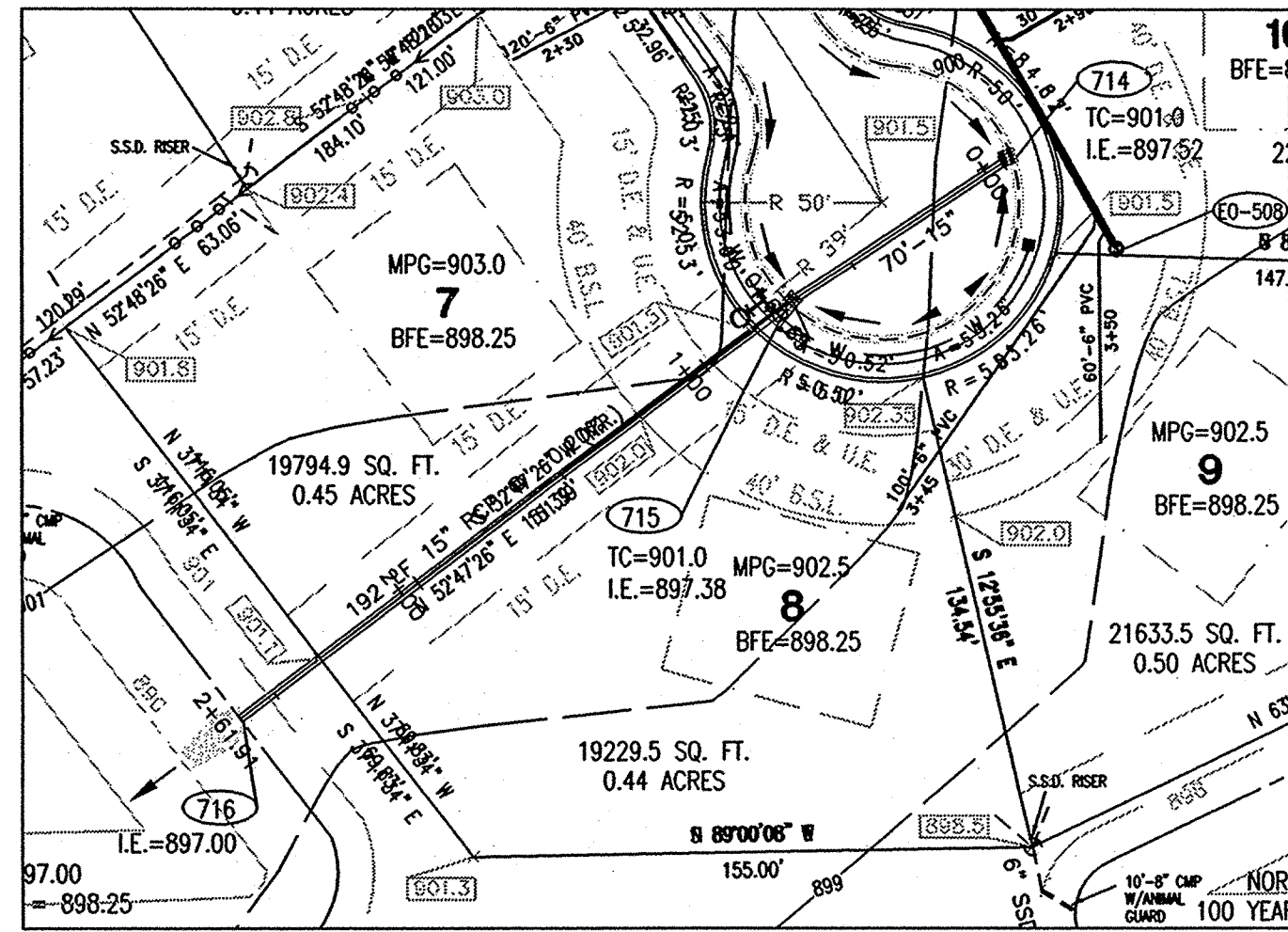
ARCHITECTS
ENGINEERS
ENVIRONMENTAL CONSULTANTS
TRANSPORTATION ENGINEERS
LAND SURVEYORS

PAUL I. CRIFE, INC.
7172 GRAHAM ROAD, #350
INDIANAPOLIS, IN 46250
(317) 841-4798
E-Mail: paul@picrife.com

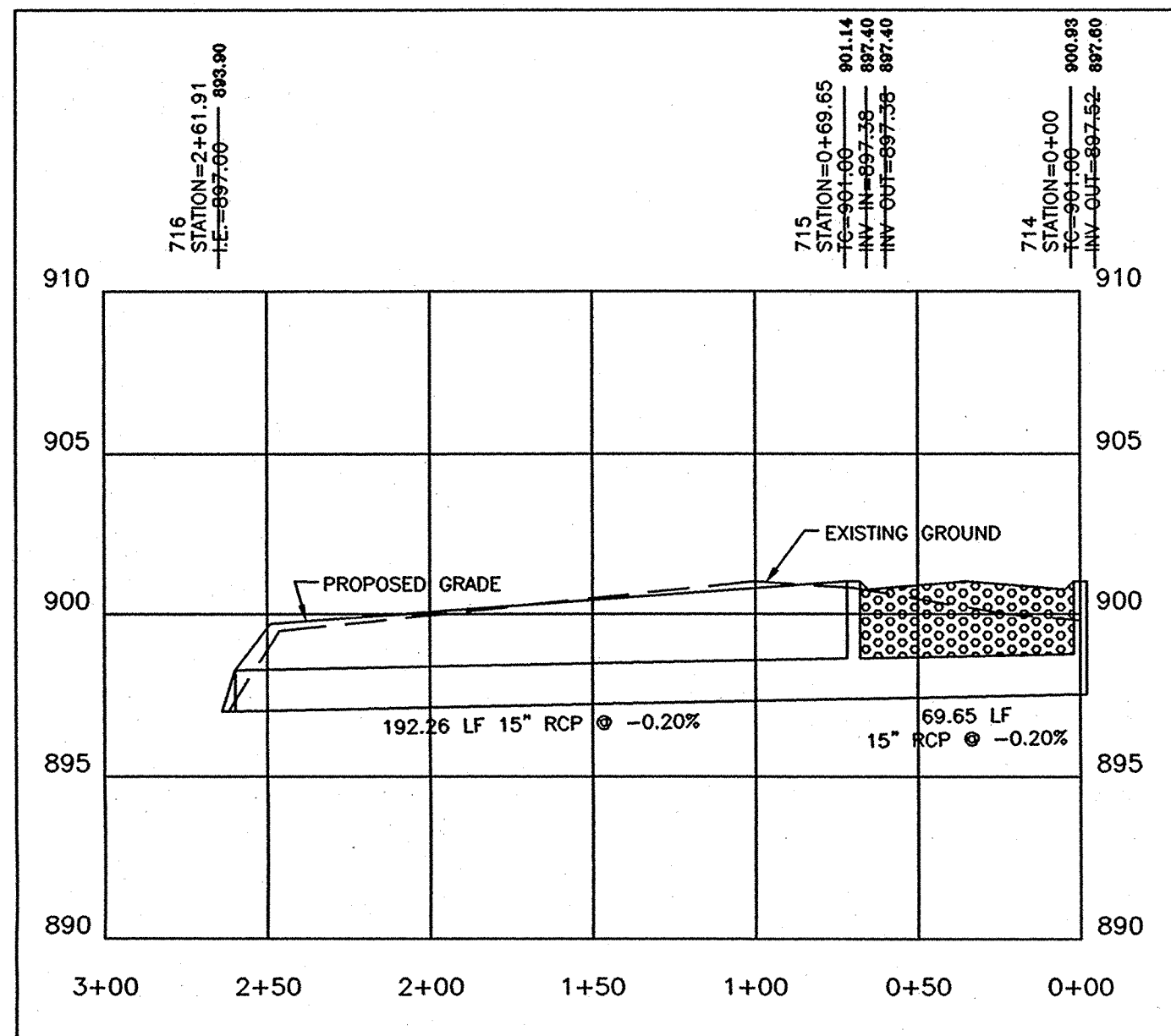




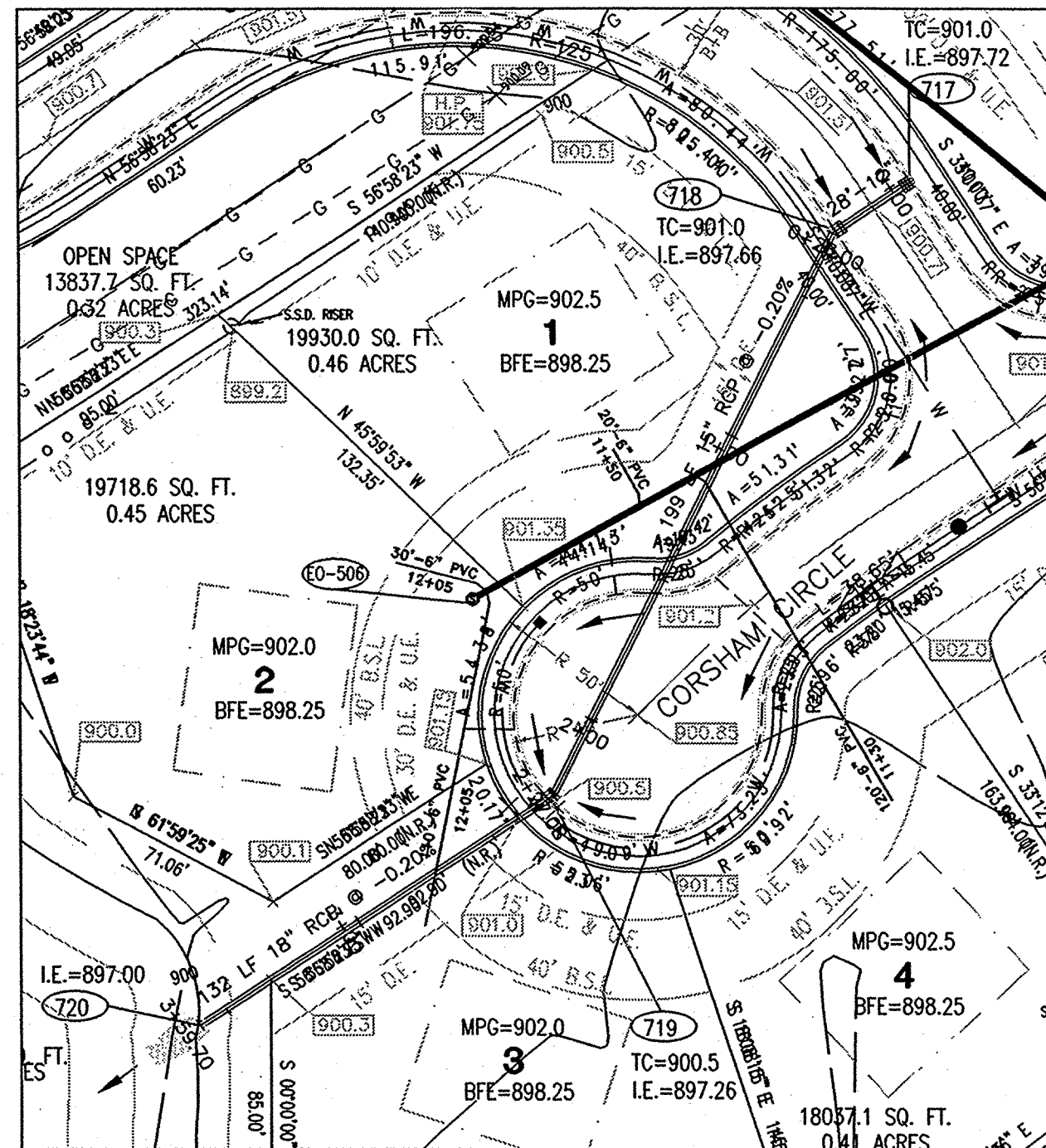
OFFSITE PLAN



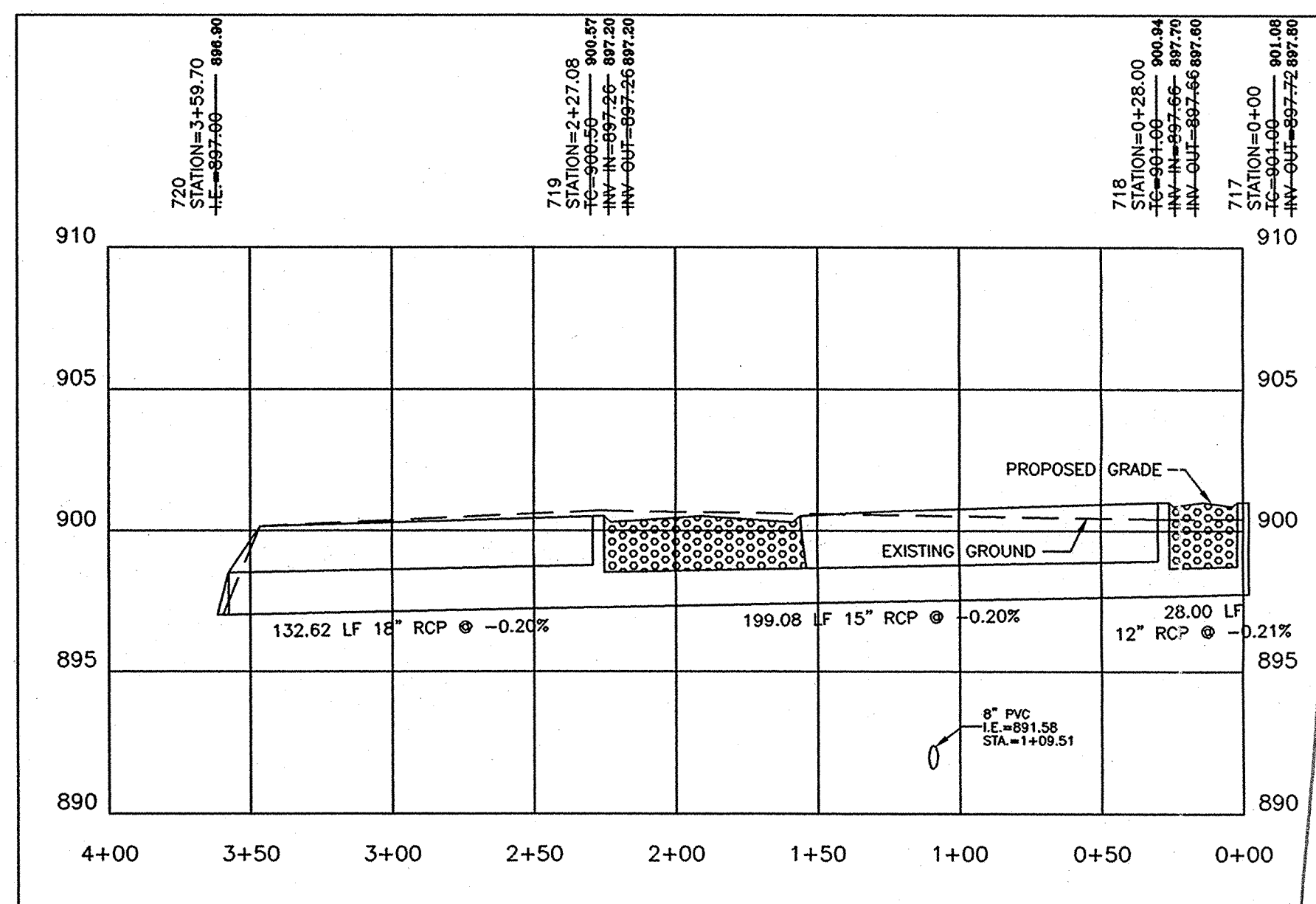
PLAN ONE



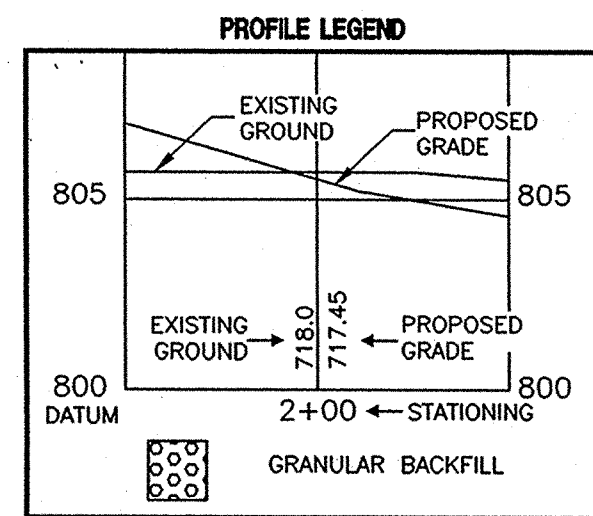
PROFILE ONE



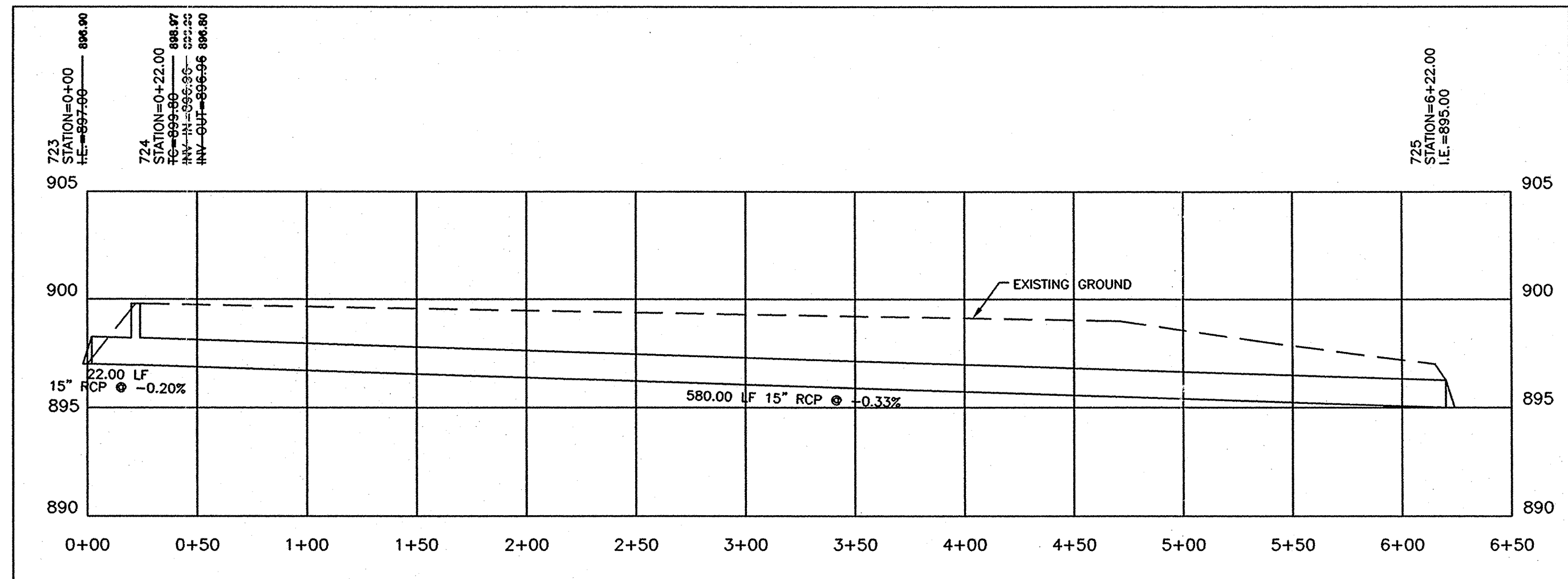
PLAN TWO



PROFILE TWO



HAMILTON COUNTY INDIANA
 This information was prepared into the public domain and is considered public information.
 Entry Date: 12-4-03
 Entered by: JDH



OFFSITE PROFILE

- STORM SEWER PLAN AND PROFILE NOTES:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE Poured FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 02720 FOR STORM SEWER SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C90?
 - PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
 - THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
 - REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINKING GROUT.
 - AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4,000 PSI CONCRETE COLLAR WITH 4x4x10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
 - ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.

RECORD DRAWING
 Certified 07-25-01
 Joseph A. Sharp
 REGISTERED PROFESSIONAL ENGINEER
 No. 15179
 STATE OF INDIANA

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

PAUL I. CRIFE, INC.
 7172 GRAHAM ROAD
 INDIANAPOLIS, INDIANA 46250
 (317) 842-6777 FAX (317) 841-4798
 E-Mail at picripe@picripe.com

STORM PLAN AND PROFILE
 English Oaks Subdivision
 DEYLEN DEVELOPMENT
 9696 VALPARAISO COURT
 INDIANAPOLIS, IN 46268
 PHONE: 831-2411 FAX: 879-4387

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

Drawn By:
 Checked By:
 Quality Assurance:
 Scale: 1" = 50'
 Sheet: **C702**
 Date: 09-22-00
 Project Number: 1 D990478-20000