

Drain: RJ CRAIG **Drain #:** 38
Improvement/Arm: PHASE I RELOCATION - SUNBEAM DEV. USA PKWY
Operator: J. LIVINGSTON **Date:** 11-26-03
Drain Classification: Urban/Rural **Year Installed:** 1989

GIS Drain Input Checklist

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



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 February 16, 1989

TO: Hamilton County Drainage Board

RE: R.J. Craig Drain

Attached are Petitions for the reconstruction of the R.J. Craig Drain from Sunbeam Development Corporation, D.B. Mann Development Company and Trammel-Crow Company. Each petition relates to an individual segment of the drain. I believe each petition is in order and have addressed each below.

The request from D.B. Mann Development Company concerns the portion of the drain between 106th Street and the Norfolk-Southern Railroad. The project begins at approximately STA 52+20 of the 1951 reconstruction and ends at approximately STA 4120 of the 1951 reconstruction. The existing open ditch will not be involved in the project except beginning and ending points and removal of the obstructions in the open ditch. The project consists of a cutoff ditch 1159 feet in length, 15 feet in bottom width, 2:1 side slopes and an average 6 feet in depth.

The purpose of the channel is to provide flow capacity within the flood plain for flood events. This is necessary because of the fill being done within the floodway for building pads. In effect this is compensated volumes of fill and excavation in order to keep the existing capacity within the floodway. This was designed by Melto¹Packard and Associates in conjunction with the Division of Water at Indiana Department of Natural Resources. This channel should become part of the drain for future maintenance. Approval shall be contingent upon final approval of IDNR. If approved a Performance Bond for 100% of this construction cost be submitted and released upon final approval by the Surveyor and submittal of "As Built" Drawings.

32
The request from Sunbeam Development consists of the relocation of a portion of the drain and the vacation of Arm #1 as described in the 1899 Viewers Report for the R.J. Craig Drain, I believe it to be acceptable. The vacation of Arm #1 will be necessary for the construction of the USA Funds Building. The vacation will not be detrimental to the remainder of the drainage shed for Arm #1. The storm sewer system for the Sunbeam tract and USA Funds will be constructed so as to handle this area. The vacation of Arm #1 will consist of 1423 feet and should be immediate upon approval of this report at the March Drainage Board meeting.

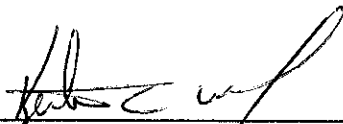
The relocation and reconstruction of the R.J. Craig Drain will begin at approximately STA 30+00 of the 1899 Views Report. The proposed route of the new drain shall be along the East proposed Right-of-Way line of Lantern Road with the centerline of the new storm sewer 35 feet from the centerline of the road. The storm sewer will consist of 3400 feet of 36" RCP and 1350 feet of 54" RCP. An arm, Arm #1, consisting of 670 feet of 21" RCP will be constructed running East from STA 5+50 of this project to approximate STA 70+70 of the 1899 drain. The total length of the relocated drain shall be 5420 feet. The length of drain as described in the 1899 report from STA 81+00 to STA 30+00 shall be vacated. The total length to be vacated shall be 5100 feet.

The relocation shall be in Phases. Phase One shall consist of STA 0 to STA 5+50 of the relocation and Arm #1 of the relocation. Vacation of the 1899 description between STA 81+00 and STA 70+70 shall be included with this Phase. Phase 2 shall be the remainder of the proposed relocation which shall include the vacation of STA 70+70 to STA 30+00 of the 1899 Drain. For each Phase I recommend that the petitioner submit a Performance Bond or Letter of Credit for 100% of the estimate. The Surety for Phase One should be submitted within 15 days of approval and shall be for a one year period. Phase One should be completed one year from date of approval. Phase Two shall commence no later than one year from date of approval and shall have submitted surety as described above prior to commencing of work. Phase two shall be completed within 2 years of approval. Surety for both phases is to be released upon final inspection by the Surveyor and submittal of "As Built" Drawings.

34
The request from Trammel-Crow Company is for the vacation of the R.J. Craig Drain from STA 0 to STA 30+00 as described in the 1899 Viewers Report. This request is based upon the reconstruction of the Margaret O'Brien Drain. The proposed reconstruction of the O'Brien Drain has been planned and upon review I believe it will benefit the existing acreage now served by the Craig Drain, by improving

the drainage situation. At this time the reconstruction of the O'Brien Drain has not been set for hearing. However, I hope that such a hearing can be set for April or May of this year. I recommend the vacation of this section of the R.J. Craig Drain be contingent upon final approval of the Margaret O'Brien Drain reconstruction and final acceptance of the construction of the proposed O'Brien Drain relocation.

Upon review of the various plans and existing drainage shed, I recommend to the Board that the drainage shed for the R.J. Craig remain as it is. Changes would only be made for the section on the Crow property and those changes should only be initiated upon final acceptance of the Margaret O'Brien reconstruction/relocation.



Kenton C. Ward
Hamilton County Surveyor

KCW/no



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

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Suite 146

One Hamilton County Square

Noblesville, Indiana 46060-2230

March 4, 1998

To: Hamilton County Drainage Board

**Re: R J Craig Drain: Phase I Relocation -
Sunbeam Dev. USA Parkway**

Attached are as-builts, certificate of completion & compliance, and other information for R J Craig Drain: Phase I Relocation - Sunbeam Dev. USA Parkway. 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 February 16, 1989. The changes are as follows:

Structure: T.C.: I.E.: Pipe: Length:

ES #1		793.54		
MH # 2	801.22	793.82	54" RCP	25'
MH # 2	801.22	793.82		
MH # 3	812.13	800.63	54" RCP	405'
MH # 3	812.13	800.63		
MH # 4	811.56	800.76	54" RCP	264'
MH # 4	811.56	800.76		
MH # 5	808.9		21" RCP	15'
MH # 4	811.56	800.76		
MH # 4A		801.14	36" RCP	25'
MH # 5	808.9			
MH # 6	805.95	801.15	21" RCP	350'
MH # 6	805.95	801.15		
MH # 7	805.97	801.97	21" RCP	389'
MH # 7	805.97	801.97		
ES #8		802.39	21" RCP	20'

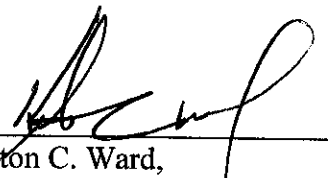
The length of the drain due to the changes described above is now 1493' feet. This length includes the construction of the new Arm #1 to the drain. The Craig legal drain was vacated as described in the 1899 Viewers Report from station 81+00 to 70+70. Arm # 1 as described in the 1899 Viewers Report was vacated and this vacation totaled 1423 feet. **Therefore, the net loss of drain totaled 960 feet.**

A non-enforcement was not requested.

The bond or letter of credit from Sunbeam Development was not obtained.

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Project: RJ CRAIG RELOCATION PHASE I: SUNBEAM DEV.-USA PARKWAY

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

ES #1		793.54				
MH # 2	801.22	793.82	54" RCP	25'		
MH # 2	801.22	793.82				
MH # 3	812.13	800.63	54" RCP	405'		
MH # 3	812.13	800.63				
MH # 4	811.56	800.76	54" RCP	264'		
MH # 4	811.56	800.76				
MH # 5	808.9		21" RCP	15'		
MH # 4	811.56	800.76				
MH # 4A		801.14	36" RCP	25'		
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MH # 6	805.95	801.15	21" RCP	350'		
MH # 6	805.95	801.15				
MH # 7	805.97	801.97	21" RCP	389'		
MH # 7	805.97	801.97				
ES #8		802.39	21" RCP	20'		

6" SSD Streets:

Total: 0

6" SSD Lots:

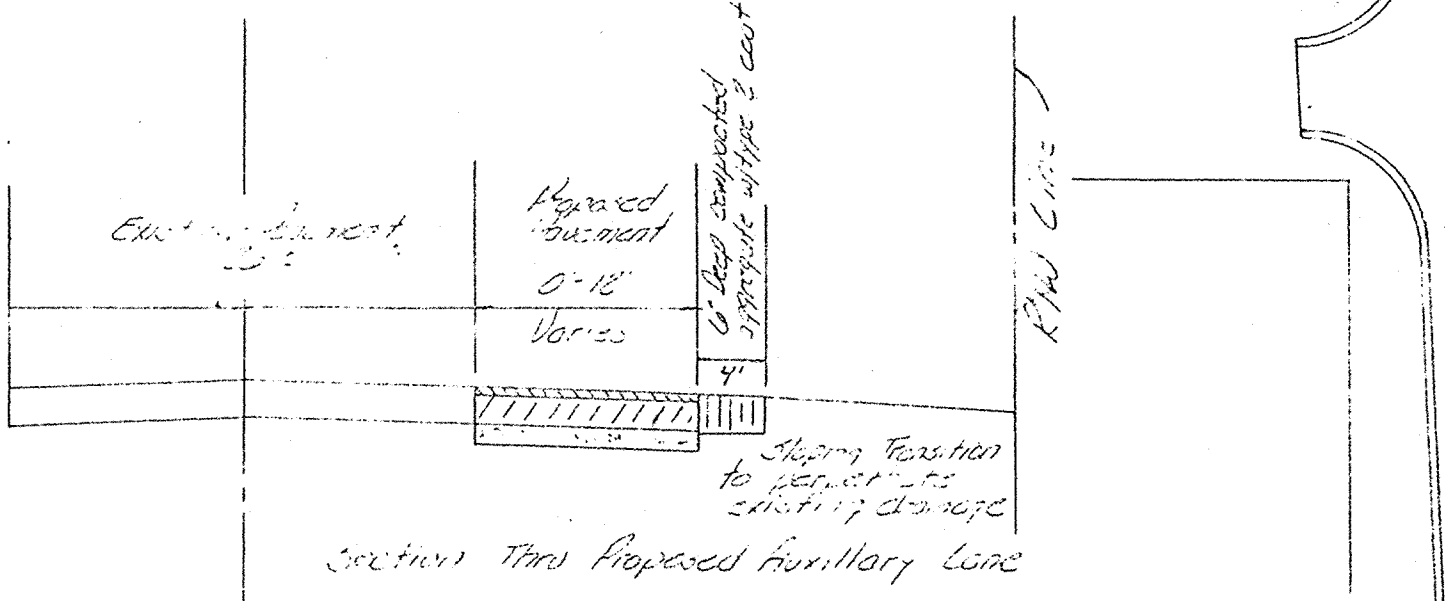
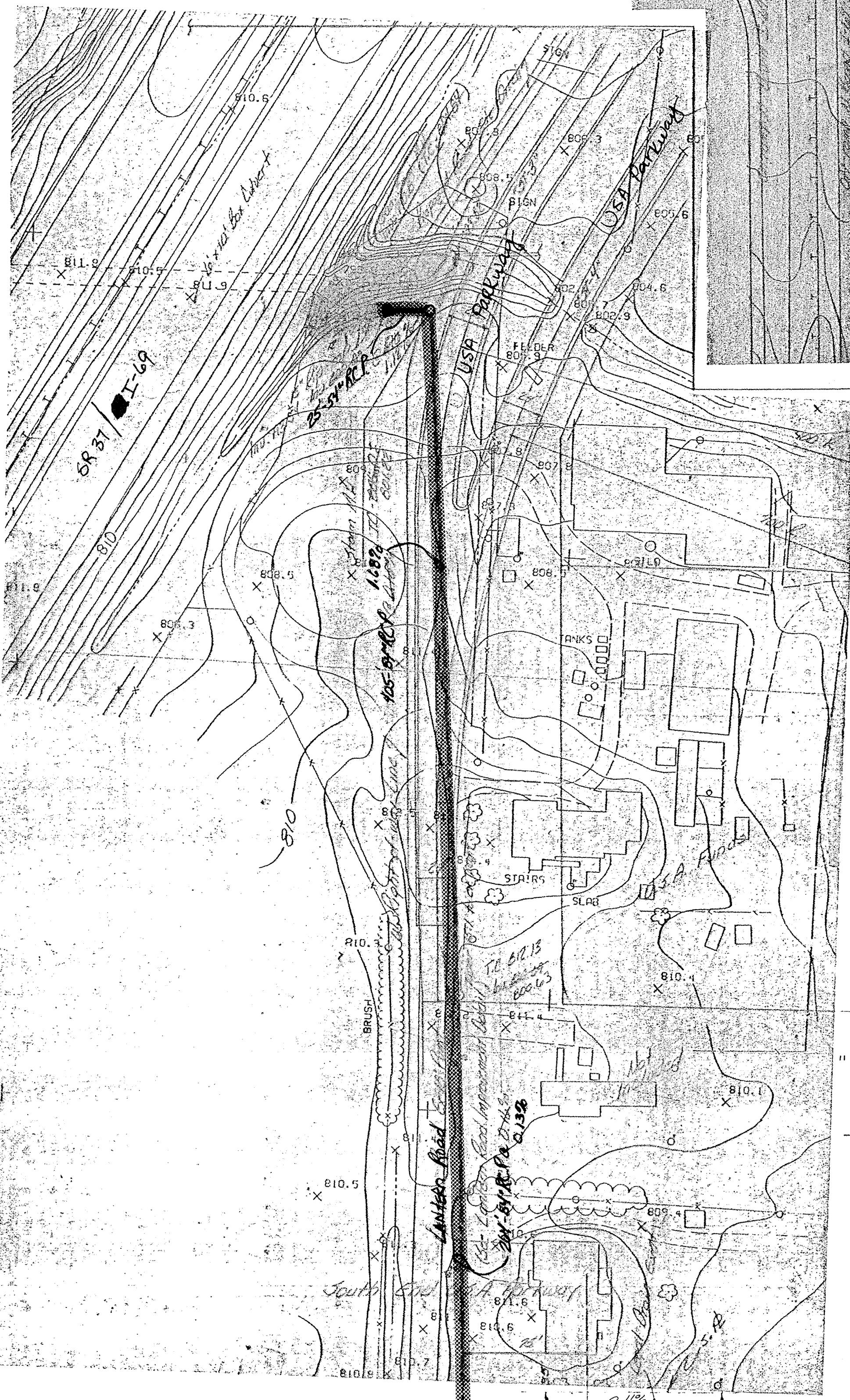
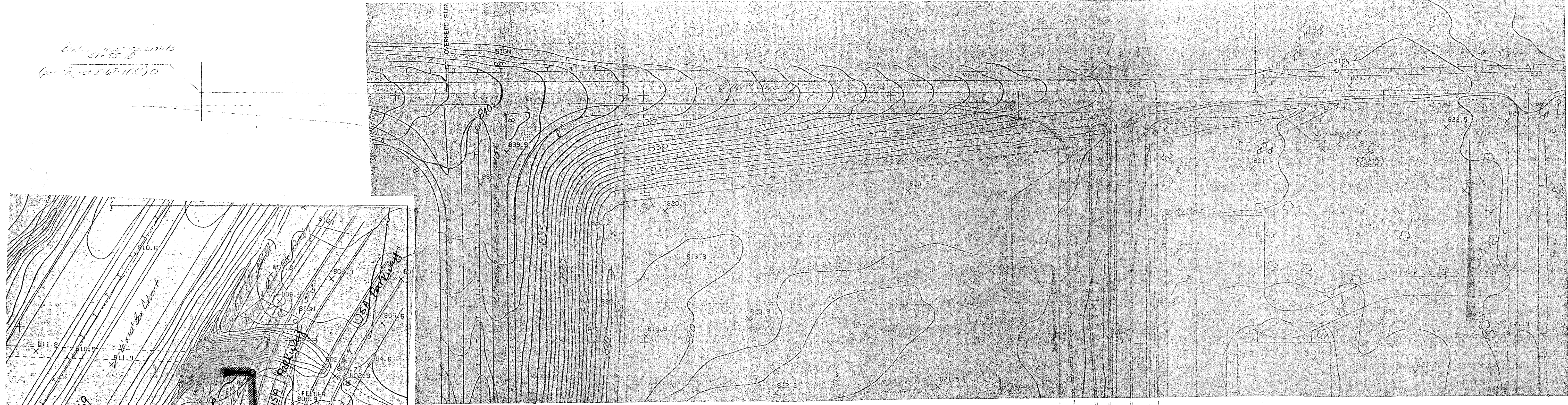
Total: 0

RCP Pipe Totals:

21" RCP	774'
36" RCP	25'
54" RCP	694'

Other Drain:

Total Length of Drain: 1493'



1" bituminous surface
 3-3" (lifts) bituminous base
 on 6" compacted aggregate
 (adequately drained)
 or
 8" reinforced concrete
 on 6" compacted aggregate
 (adequately drained)



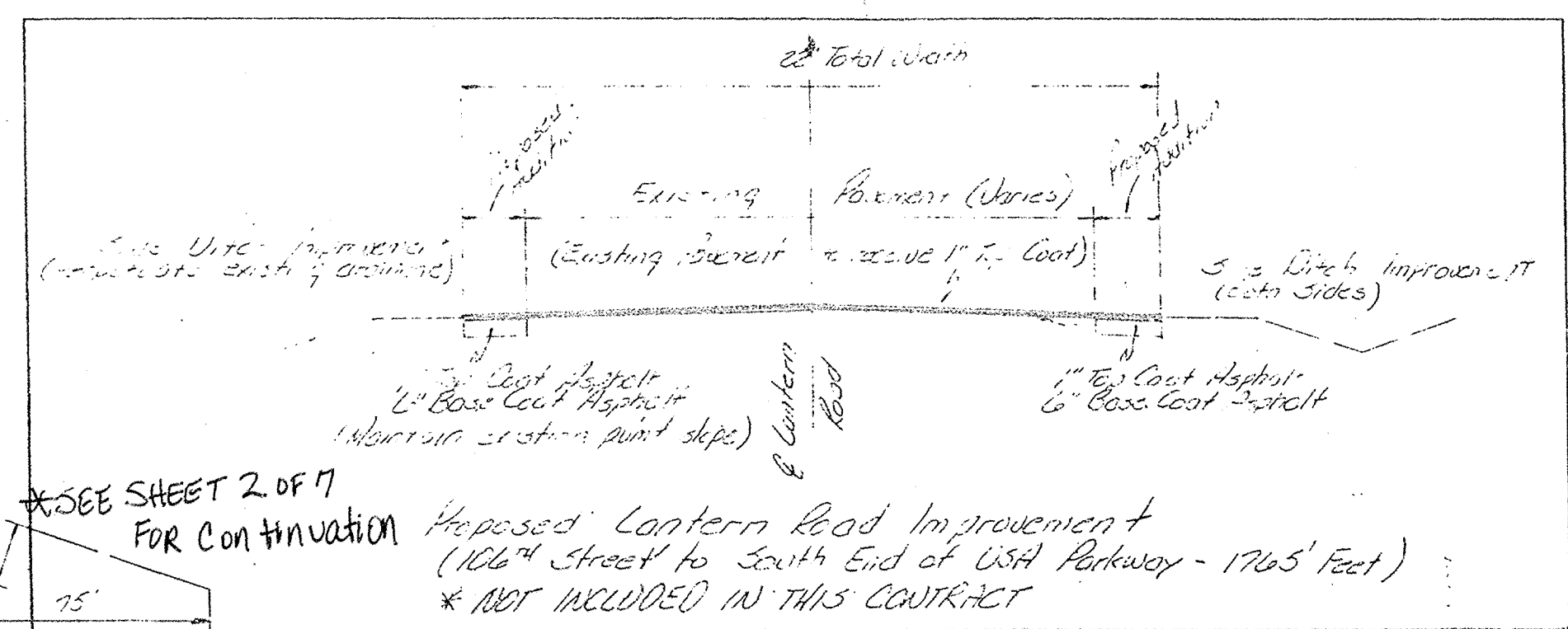
"RECORD DRAWING"
 R. J. CRAIG LEGAL STORM SYSTEM
 12-3-90
 Allan H. Weihe
 ALLAN H. WEIHE, Reg. P.E. INDIANA 8827

It shall be the responsibility of each contractor to verify all existing utilities and conditions pertaining to his phase of work. It shall also be the contractor's responsibility to contact the owners of the various utilities before work is started. The contractor shall notify in writing the owners or the engineer of any changes, errors, or omissions found on these plans before work is started or resumed.

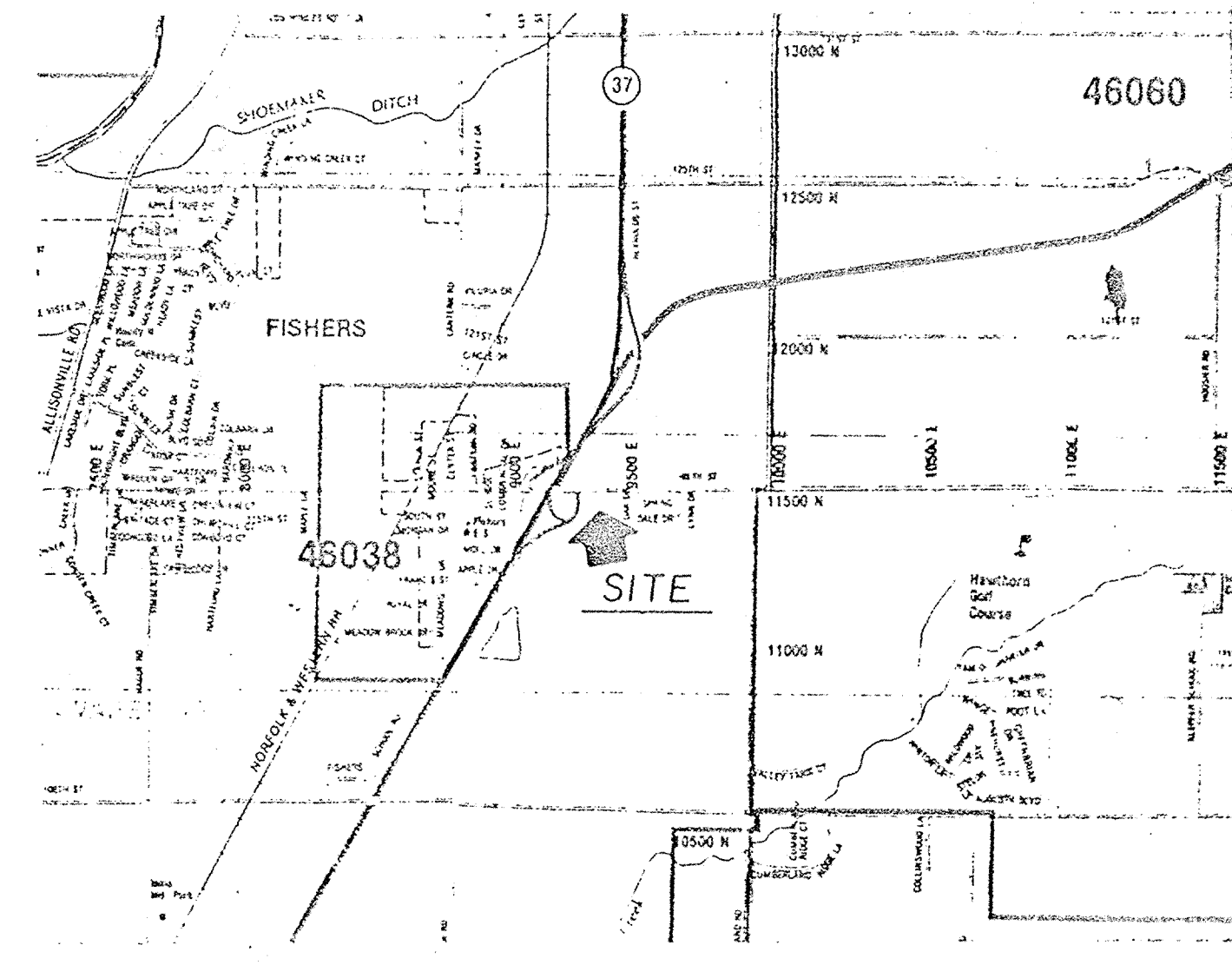
All disturbed areas shall be seeded for erosion control.
 Street construction beyond state right-of-way shall be in accordance with the Town of Fishers specifications.

Perpetuate existing drainage.

Proposed pavement shall be sloped equal to that of existing pavement.



Proposed Lantern Road Improvement
 (106' Street to South End of USA Parkway - 1765' Feet)
 * NOT INCLUDED IN THIS CONTRACT



SITE LOCATION MAP

HAMILTON COUNTY GIS

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: 11-26-03
 Entered by: [Signature]

Allan H. Weihe
 ALLAN H. WEIHE, Reg. P.E., INDIANA 8827

WEIHE ENGINEERS INC.
 10505 NORTH COLLEGE AVENUE
 INDIANAPOLIS, INDIANA 46260
 (317) 846-6611

LAND SURVEYORS
 CIVIL ENGINEERS
 LAND PLANNERS

DATE BY: 11/26/03
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 11/26/03

REVISIONS:
 1. [Signature] 11/26/03
 2. [Signature] 11/26/03

SUNBEAM Development Corporation
 5875 Castle Creek Parkway N., Drive
 Indianapolis, Indiana 46250

USA Parkway - Entrance Details: RJ CRAIG LEGAL DRAIN

SHEET NO. 14
 OF 19