

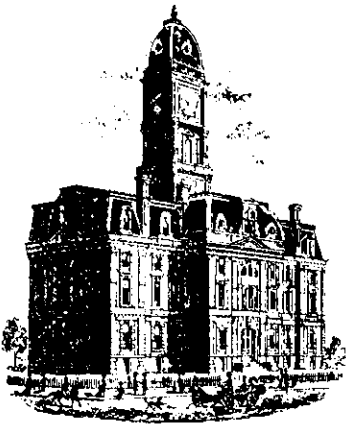


Drain: OVERMAN - HARVEY Drain #: 32
Improvement/Arm: VILLAGE OF MT. CARMEL - SECTION 10
Operator: J. LIVINGSTON Date: 5-18-04
Drain Classification: Urban/Rural Year Installed: 2003

GIS Drain Input Checklist

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



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

June 23, 2003

Re: Village of Mount Carmel, Section 10 Arm, Overman Harvey Drain

Attached is a petition filed by Elliott Wright Group along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Village of Mount Carmel, Section 10 Arm, Overman Harvey Drain to be located in Clay Township. 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	850 ft	18" RCP	46 ft	30" RCP	747 ft
12" RCP	890 ft	21" RCP	122 ft		
15" RCP	242 ft	24" RCP	348 ft		

The total length of the drain will be 3,245 feet.

The retention pond (lake) located in Common Area "A" is 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 subsurface drains (SSD) to be part of the regulated drain are those located under 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 \$3.00 per acre for common areas and platted lots, \$3.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$240.00.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties, which are in the form of a Performance Bond/Letter of Credit are as follows:

Agent: Bond Safeguard Insurance Company
Date: April 25, 2003
Number: 5004799
For: Storm Drain
Amount: \$62,973.80

Parcels assessed for this drain may be assessed for the Wheeler & Beals or Cool Creek Drain at sometime in the future.

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 Village of Mount Carmel Section 10 as recorded in the office of the Hamilton County Recorder.

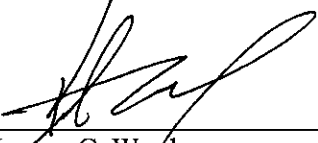
Also to be included are portions of the storm sewer system installed with the improvements of 146th Street. Village of Mount Carmel Section 10 utilizes this system as its outlet. This system is shown on Sheets 6 and 7 of the plans prepared by American Consulting Engineers, Inc. for Hamilton County. This is for project HCHD PR-97-0006 and the plans are file stamped March 18, 1999. This portion of the drain shall consist of those structures and portions of drain between the following structures:

Str. 37 to 33; Str. 36 to 34; Str. 34A to 34; Str. 35 to 34; Str. 34 to 32; Str. 31 to 32; Str. 30 to 32; Str. 32 to 33; Str. 27 to 28; Str. 28 to 29; Str. 33 to 29; Str. 29 to 24; Str. 26 to 23; Str. 25 to 22; Str. 22 to 23; Str. 23 to 24; Str. 24 to 21; Str. 15 to 16; Str. 16 to 17; Str. 17 to Outlet.

Structure 21 connects the system with the existing regulated drain which was constructed as Village Farms Section 18 Arm to the Overman-Harvey Drain. This portion of the system is a 30" RCP which outlets into the lake for Village Farms.

Also to be a portion of the drain are the pair of inlets and pipe sections installed at Adios Pass along the south right of way for 146th Street in the Village of Mount Carmel Section 8. This is the portion between Str. 12 to Str. 13 and Str. 13 to Str. 14.

I recommend the Board set a hearing for this proposed drain for July 28, 2003.



Kerton C. Ward
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of Vilage of Mount Carmle Subdivision,
Section Ten (10) 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 village of Mount Carmel, 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

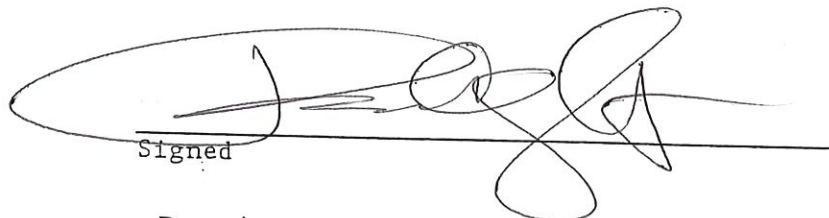
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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.


Signed

Parvin C. Wright
Printed Name


Signed

William B. Elliott
Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE April 16, 2003

FILED

APR 22 2003

OFFICE OF HAMILTON COUNTY SURVEYOR

FINDINGS AND ORDER.

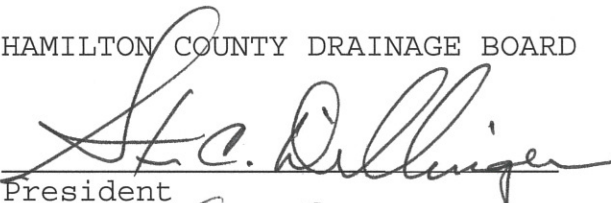
CONCERNING THE MAINTENANCE OF THE

Overman Harvey Drain, Village of Mount Carmel Section 10 Arm

On this *28th day of July, 2003*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Overman Harvey Drain, Village of Mount Carmel Section 10 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.

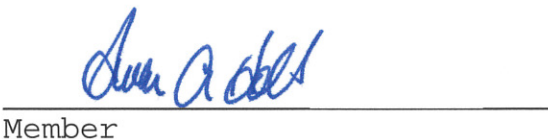
HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest: 

HCDB-2003-00031

SUBDIVISION PERFORMANCE BOND

Bond # 5004799

KNOW ALL MEN BY THESE PRESENTS, that we Crossmark Construction, Inc. and Elliott Wright Group, 599 Industrial Drive, Suite 318, Carmel, IN 46032 as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Avenue, Suite 300, Bldg. A, Lombard, IL 60148 authorized to do business in the State of Indiana, as Surety are held firmly bound unto Hamilton County Surveyor, One Hamilton Square, Suite 188, Noblesville, IN 46060 as Oblige, in the penal sum of Sixty Two Thousand Nine Hundred Seventy Three and 80/100

----- (\$ 62,973.80)
for the payment of which sum well and truly to be made, we bind ourselves, our heirs, administrators, executors, successors and assigns, jointly and severally firmly by these present;

WHEREAS, the above bounden Principal has been granted approval by the above named Oblige for village of Mount Carmel, Section 10, Storm Drainage

NOW, THEREFORE, the condition of the obligation is such, that if the said Principal shall complete the above improvements in accordance with the plans and specifications prepared by _____, and shall indemnify and save harmless the Oblige from all costs and damages which it may suffer by reason of failure to do so, and fully reimburse and repay Oblige any outlay and expense which it may incur in making good any such default, then this obligation shall be null and void, otherwise to remain in full force and effect.

THE FOREGOING OBLIGATION, however, is limited by the following express conditions, the performance of which shall be a condition precedent to any rights of claims or recovery hereunder:

1. Upon the discovery by the Oblige, or by the Oblige's agent or representative, of any act or omission that shall or might involve a loss hereunder, the Oblige shall endeavor to give written notice thereof with the fullest information obtainable at the time to the Surety.
2. Legal proceedings for recovery hereunder may not be brought unless begun within twelve (12) months from the date of the discovery of the act or omission of the Principal on account of which claim is made.
3. The Principal shall be made a party to any suit or action for recovery hereunder, and no judgment shall be rendered against the Surety in excess of the penalty of this instrument.
4. No right of action shall accrue hereunder to or for the use or benefit of anyone other than the Oblige, and the Oblige's right hereunder may not be assigned without the written consent of the Surety.

SIGNED, SEALED AND DATED this 25th Day of April, 2003
Crossmark Construction, Inc. and Elliott Wright Group

Bond Safeguard Insurance Company

By: Kayser & Lucidan
By: [Signature]

By: Deborah M. Roth
Deborah M. Roth, Attorney-in-Fact


CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Village of Mt. Carmel
Tenth Section

I hereby certify that:

1. I am a Registered ~~Land Surveyor~~ Engineer 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.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature:  Date: 12-15-03

Type or Print Name: James Shinneman

Business Address: Weihe Engineers, Inc.

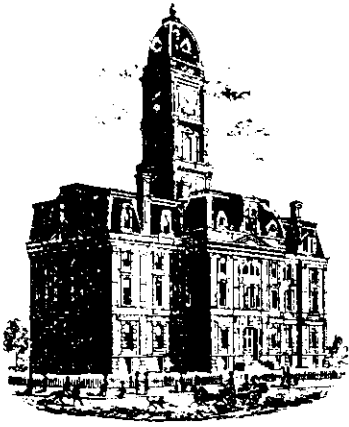
10505 N. college Ave., Indianapolis, IN 46280

Telephone Number: 317-846-6611

SEAL

INDIANA REGISTRATION NUMBER

10200392



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 14, 2005

Re: Overman-Harvey Drain: Village of Mt. Carmel Section 10 & 146th St. Offsite

Attached are as-builts, certificate of completion & compliance, and other information for Village of Mt. Carmel. 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 June 23, 2003. The report was approved by the Board at the hearing held July 28, 2003. (See Drainage Board Minutes Book 7, Pages 119-121)
The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:
13-12	221	12	RCP	881.87	881.1	0.4
12-11	148	12	RCP	881.1	880.43	0.45
11-10	143	15	RCP	880.43	879.87	0.39
10-9	48	15	RCP	879.87	879.5	0.77
8-7	266	15	RCP	880.87	880.21	0.25
7-6	24	15	RCP	880.21	880.01	0.83
6-5	56	15	RCP	880.01	879.55	0.82
3-2	122	21	RCP	879.83	879.43	0.33
2-4	51	15	RCP	879.43	879.42	0.02
2-1	250	24	RCP	879.43	878.4	0.41
15-14	24	12	RCP	882.23	881.33	0.38
14-11	23	12	RCP	881.33	880.43	3.91
33-29	26	30	RCP	876.8	876.72	
29-24	459	30	RCP	876.62	875.11	
24-503*	262	30	RCP	875	874.16	
32-33	94	30	RCP			
27-28	66	12	RCP			
29-29	9	12	RCP			
37-33	75	12	RCP			
36-34	35	12	RCP			
34-32	56	18	RCP			
35-34	7	12	RCP			

1-32	15	24	RCP			
15-16	65	12	RCP			
16-17	63	12	RCP			
17-End of Pipe	16	12	RCP			
25-22	15	12	RCP			
22-23	68	12	RCP			
26-23	17	12	RCP			
23-24	13	12	RCP			
* Was structure 21						

6" SSD

Streets:

John Paul Way	522.5
TotalX2:	<u>1045</u>

RCP Pipe Totals:

12	865
15	588
18	56
21	122
24	265
30	841
Total:	<u>2737</u>

The length of the drain due to the changes described above is now **3,782 feet**. This footage is for Village of Mt. Carmel Section 10 and the offsite constructed with 146th St. It should be noted that this does not include those facilities constructed across Adios Pass (Village of Mt. Carmel Sec. 8). These structures (12,13,14) were addressed in the final report given to the Board for 146th St. dated June 13, 2005. The attached plans for 146th Street do reflect all the information that is listed above. This information was obtained through a field investigation.

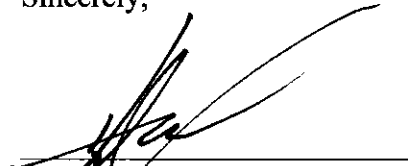
The non-enforcement was approved by the Board at its meeting on July 28, 2003 and recorded under instrument #200300093799.

The following sureties were guaranteed by Bond Safeguard Insurance Co and released by the Board on its September 12, 2005 meeting.

Bond-LC No: 5004799
Insured For: Storm Sewers
Amount: \$62,973.80
Issue Date: April 25, 2003

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

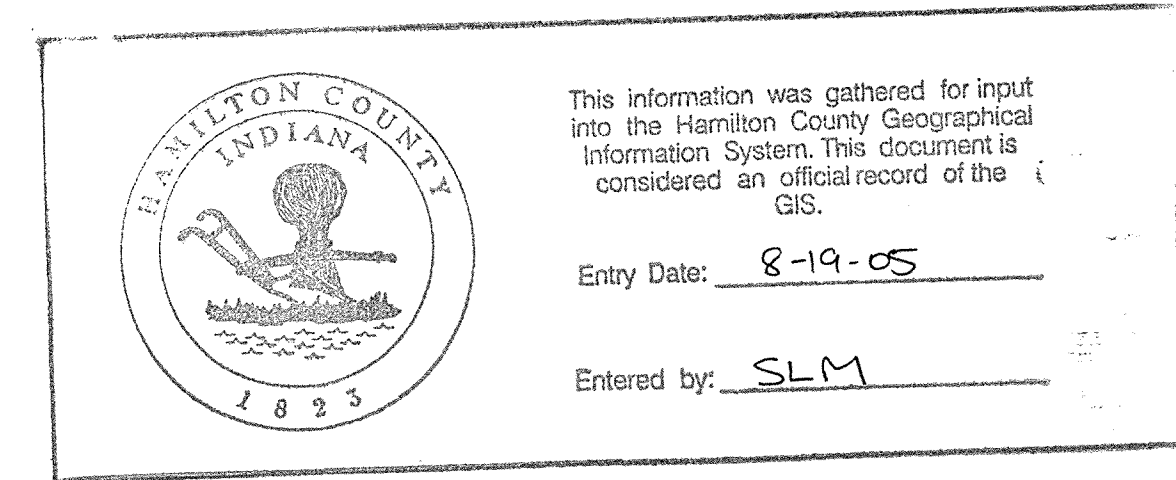
CONSTRUCTION PLANS FOR VILLAGE OF MOUNT CARMEL TENTH SECTION VILLAGE DRIVE NORTH CARMEL, INDIANA

PLANS PREPARED FOR:

ELLIOTT WRIGHT GROUP
597 INDUSTRIAL DRIVE, SUITE 104
CARMEL, INDIANA 46032
TELEPHONE: (317) 846-3798
FAX: (317) 846-3796
CONTACT PERSON: CHUCK WRIGHT

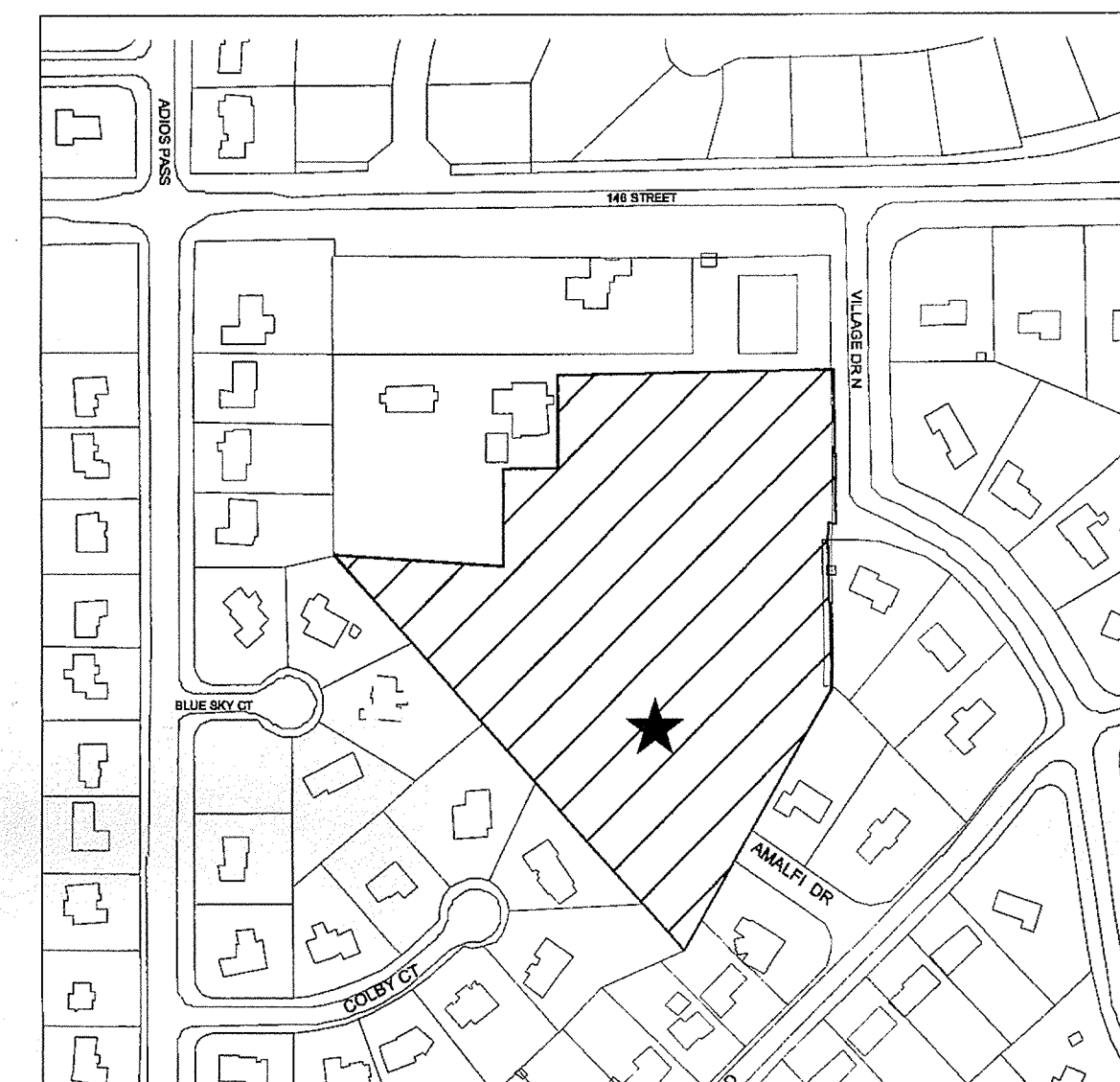
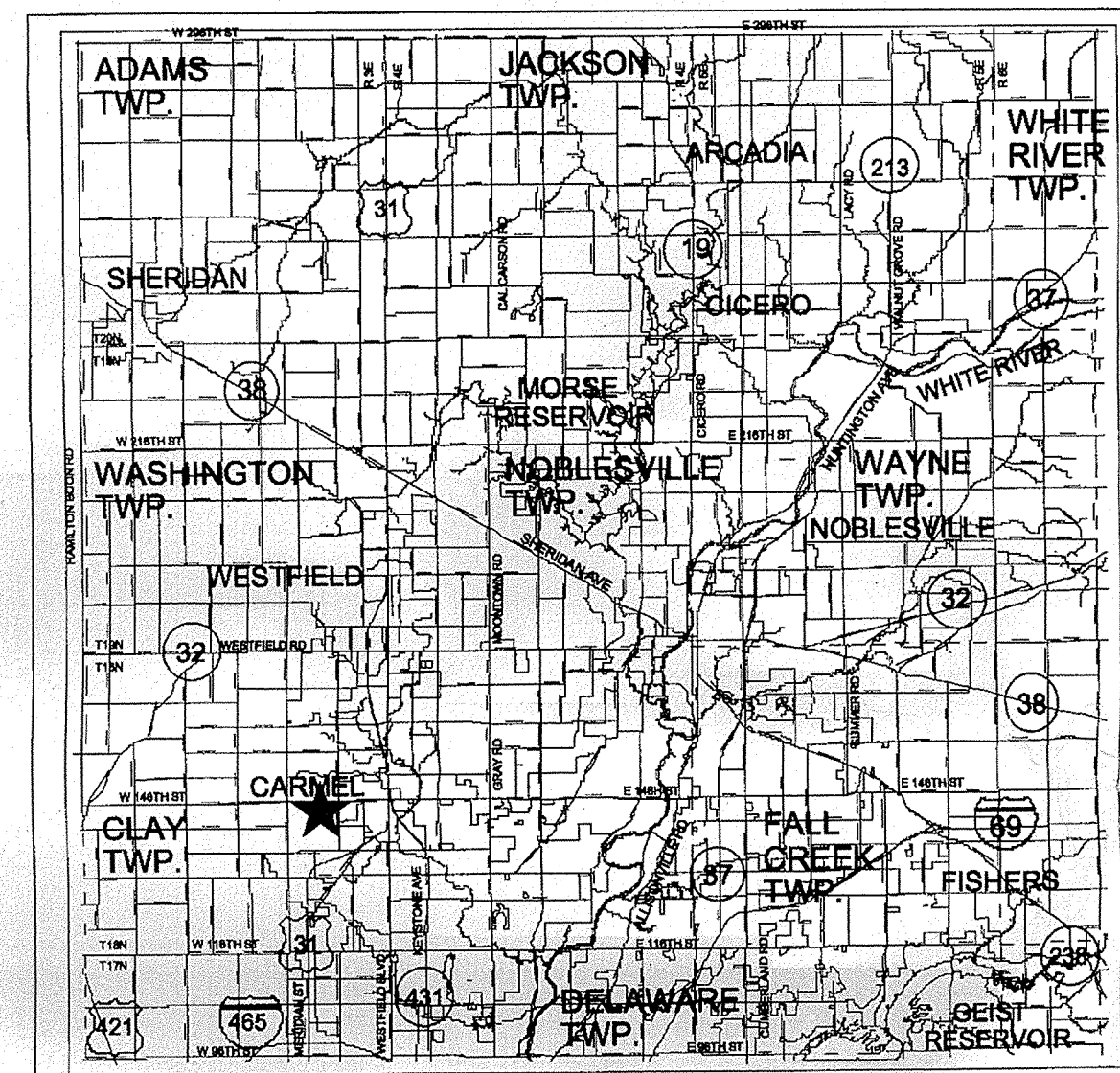
PLANS PREPARED BY:

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
CONTACT PERSON: DARRELL PHILLIPS



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS/DEMOLITION PLAN
3	SITE DEVELOPMENT PLAN
4	STREET PLAN AND PROFILE
5	STORM PLAN AND PROFILE
6	STORM PLAN AND PROFILE
7	SANITARY PLAN AND PROFILE
8	EROSION CONTROL PLAN
9	EROSION CONTROL DETAIL SHEET
10	SITE WATER PLAN
11	SITE CONSTRUCTION DETAILS
12	SPECIFICATIONS SHEET



RECORD DRAWING
WATER AS-BUILTS
WATER STRUCTURES ONLY
12/15/03

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
12/15/03

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
12/15/03

Call 1-800-382-5544
2 WORKING DAYS
BEFORE YOU DIG.



"IT'S THE LAW"
INDIANA UNDERGROUND PROTECTION SERVICE, INC.

INDIANA STATE DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS LATEST EDITION TO BE
USED WITH THESE PLANS.

BENCHMARK

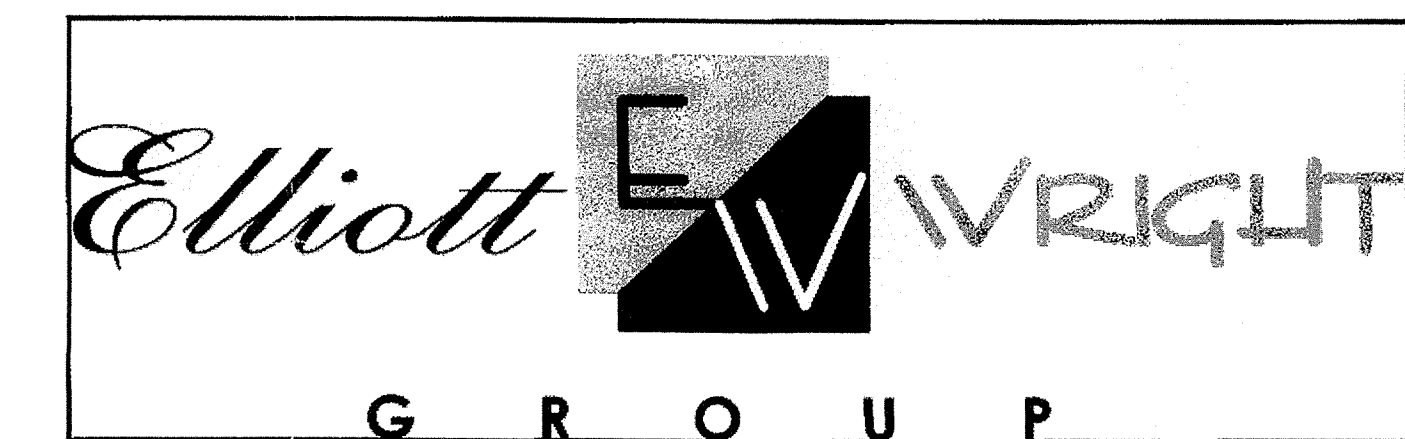
RAILROAD SPIKE IN THE SOUTH SIDE OF A POWER POLE PER AMERICAN CONSULTING ENGINEERS SURVEY CONTROL PLAT FOR 146TH STREET (JOB 97-614). (TBM #28)
ELEVATION = 884.33 (NAVD 1988)

TEMPORARY BENCHMARK

THE NORTHWEST BASE BOLT ON A LIGHT STANDARD ON THE EAST SIDE OF AN ASPHALT DRIVE AT OUR LADY OF MOUNT CARMEL CATHOLIC CHURCH, BEING DIRECTLY EAST OF THE BUILDING, AND APPROXIMATELY 20 FEET SOUTH OF A 21" MAPLE TREE. (ESTABLISHED IN WEIHE ENGINEERS, INC. JOB W00-895)
ELEVATION = 883.60

GENERAL NOTES:

- 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.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- 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, EXCAVATION 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 DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- THE DESCRIBED REAL ESTATE DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE AS PLOTTED BY SCALE ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 180081 0207 F, DATED FEBRUARY 19, 2003.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- WETLANDS ARE NOT SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, CARMEL, IND. NATIONAL WETLANDS INVENTORY MAP DATED 1990.



REVISIONS

SHEET NO.	DESCRIPTION	DATE
1,3,5,6,7,10	STORM SEWER, SANITARY SEWER & WATER LINE AS-BUILTS	12/15/03

OPERATING AUTHORITIES:

INDIANA GAS COMPANY
POST OFFICE BOX 1700
NOBLESVILLE IN 46060
TELEPHONE: (317) 776-5597

OFFICE OF FIRE CHIEF
2 CIVIC SQUARE
INDIANAPOLIS, INDIANA 46220
TELEPHONE: (317) 571-2600

CARMEL POLICE DEPARTMENT
3 CIVIC SQUARE
CARMEL, IN 46032
TELEPHONE: (317) 571-2500

HAMILTON CO. SHERIFF DEPARTMENT
18100 CUMBERLAND ROAD
INDIANAPOLIS, IN 46206-1595
TELEPHONE: (317) 773-1872

CARMEL COMMUNICATIONS DEPARTMENT
31 FIRST AVE. N.W.
CARMEL, IN 46032
TELEPHONE: (317) 571-2580

CARMEL/CLAY SCHOOLS
5201 EAST 131ST STREET
CARMEL, IN 46032
TELEPHONE: (317) 844-9961

OFFICE OF CITY ENGINEER
1 CIVIC SQUARE
CARMEL, IN 46032
TELEPHONE: (317) 571-2414

CINERGY
1441 SOUTH GULFORD
CARMEL, IN 46032
TELEPHONE: (800) 521-2232

CARMEL CLAY PARKS & RECREATION
1 CIVIC SQUARE
CARMEL, IN 46032
TELEPHONE: (317) 848-7275

CITY OF CARMEL
WATER-WASTEWATER UTILITIES
130 FIRST AVE. S.W.
CARMEL, IN 46032
TELEPHONE: (317) 571-2648

CITY OF CARMEL
WATER-WASTEWATER UTILITIES
PAT RIGDON - SEWER INSPECTOR
130 FIRST AVE. S.W.
CARMEL, IN 46032
TELEPHONE: (317) 716-3943

HAMILTON COUNTY SURVEYOR
ONE HAMILTON COUNTY SQUARE, SUITE 146
NOBLESVILLE IN 46060
TELEPHONE: (317) 776-8495

HAMILTON COUNTY SOIL & WATER CONSERVATION DISTRICT
925 DIVISION STREET, ROOM 301
NOBLESVILLE IN 46060
TELEPHONE: (317) 773-1432

HAMILTON COUNTY HIGHWAY DEPARTMENT
1717 PLEASANT STREET
NOBLESVILLE IN 46060
TELEPHONE: (317) 773-7770

WEIHE ENGINEERS, INC.
10505 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE: (800) 432-6468

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS

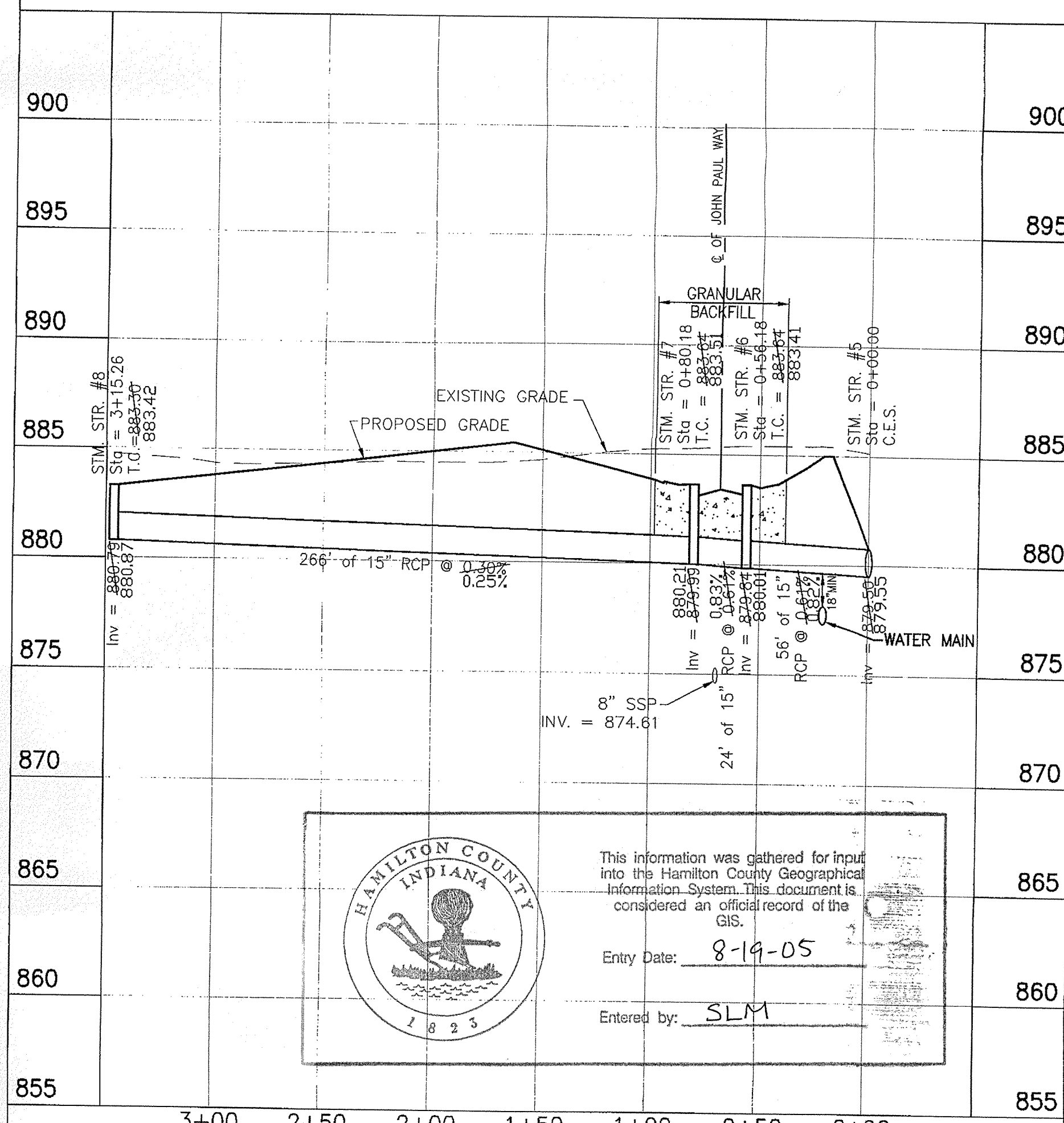
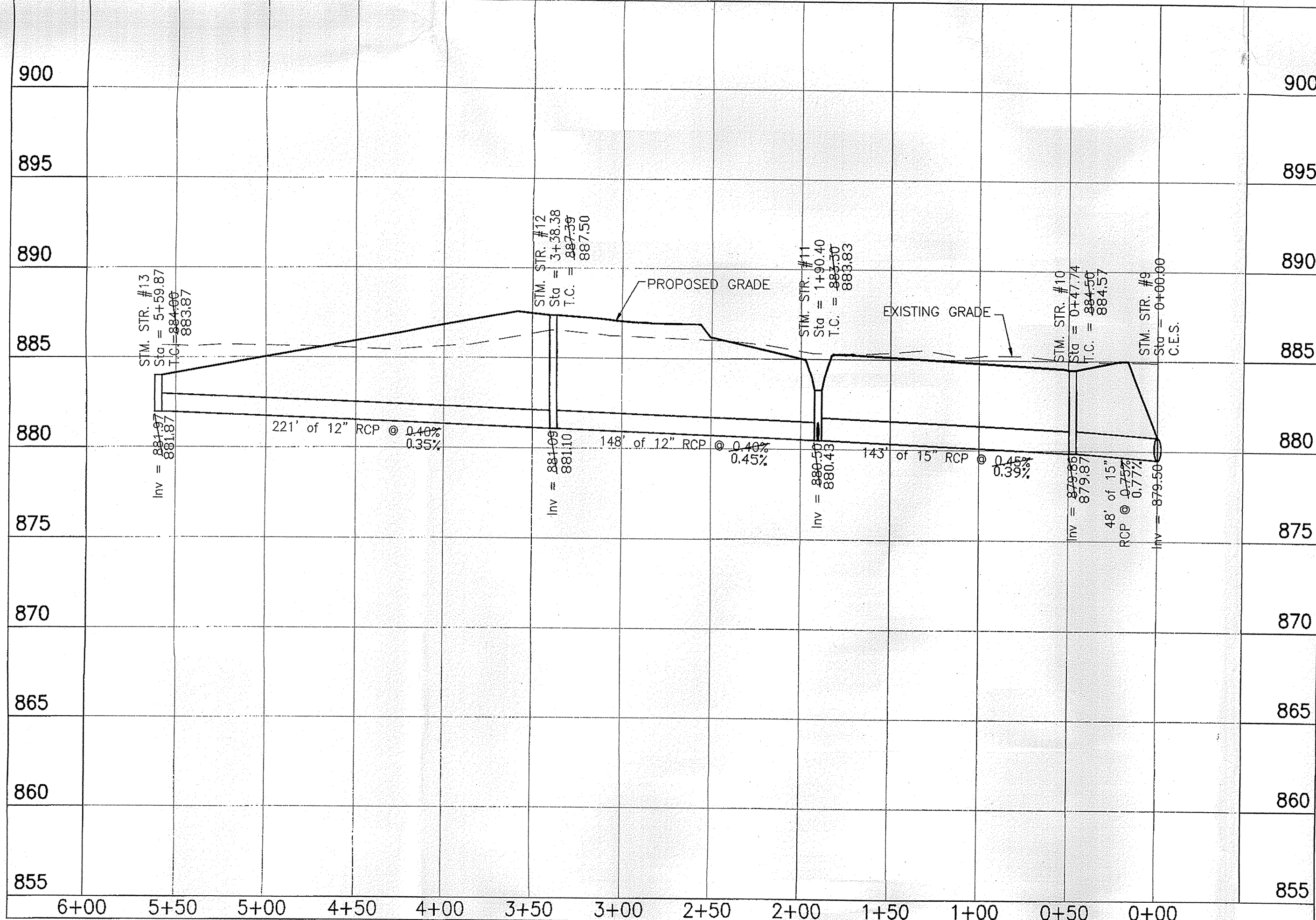
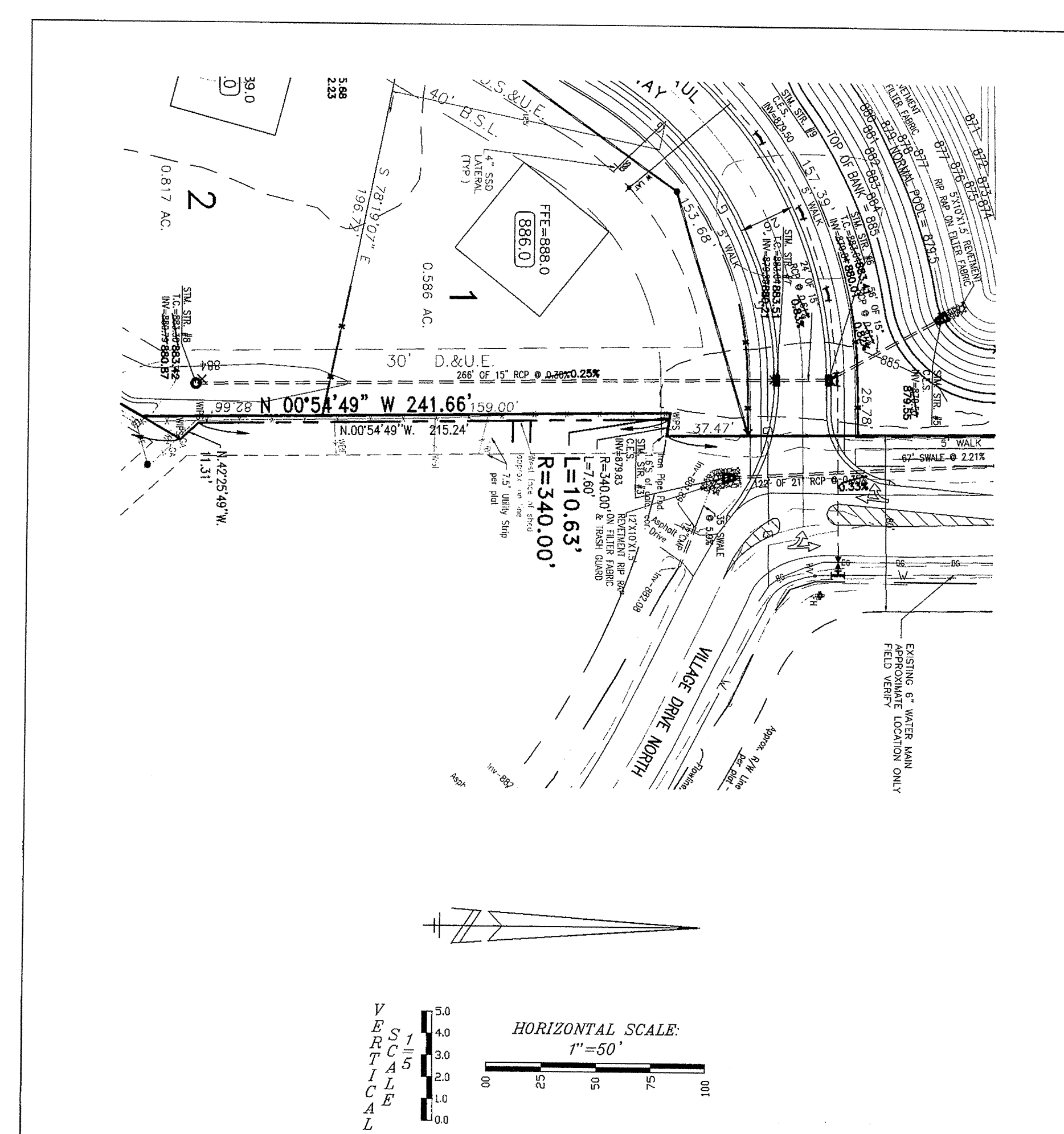
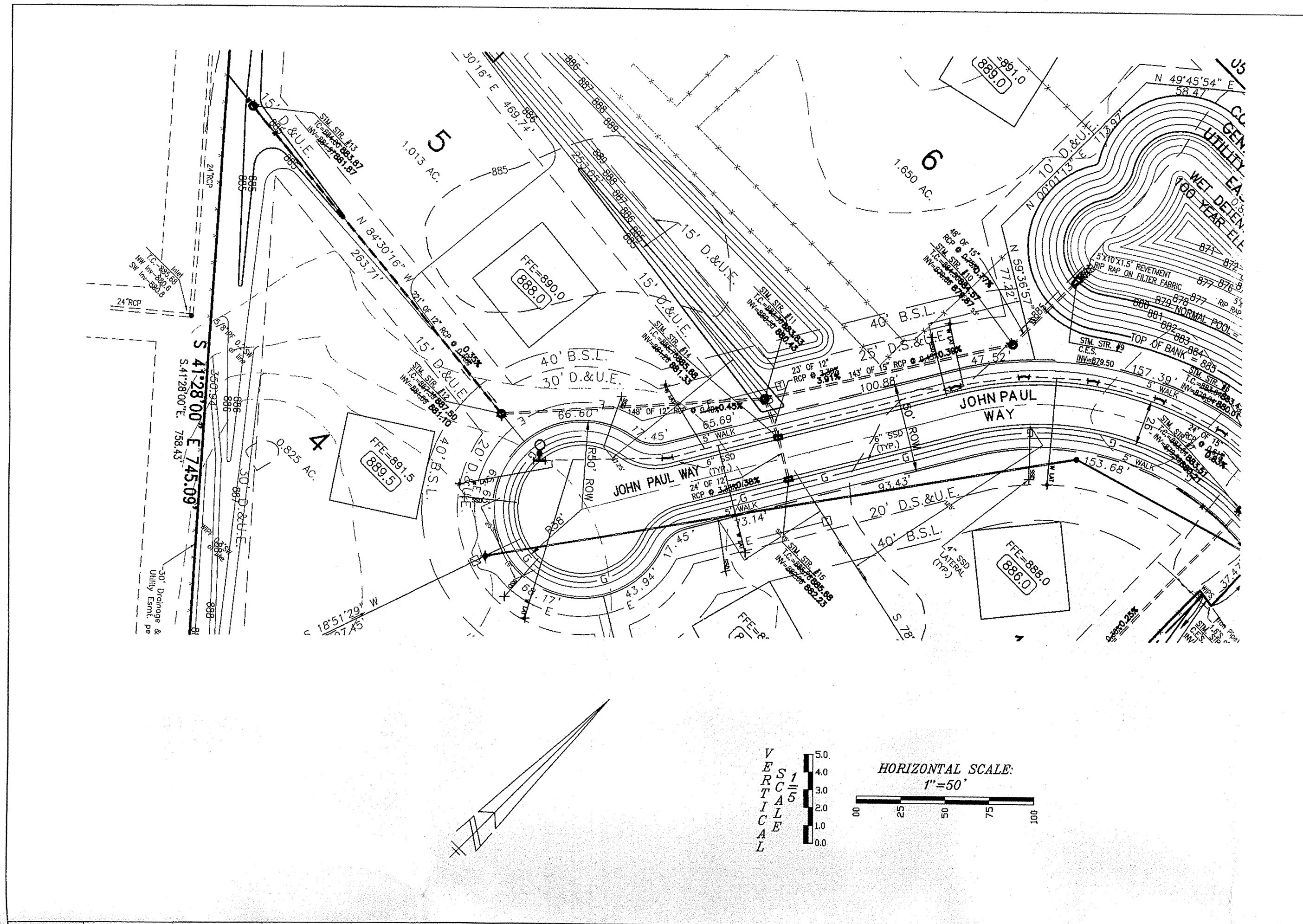
PROJECT NO.: W02-0740
DATE: 04/30/2003
DRAWN BY: JAS
CHECKED BY: JAS
FIELD BY: JAS
DESIGNED BY: JAS
DATE: 04/30/2003
DRAWN BY: JAS
CHECKED BY: JAS
FIELD BY: JAS
DESIGNED BY: JAS

JAMES K. SHINNEMAN
REGISTERED
NO. 10200392
STATE OF INDIANA
PROFESSIONAL ENGINEER

JAMES K. SHINNEMAN P.E. 10200392

PREPARED FOR:
**VILLAGE OF MOUNT CARMEL
TENTH SECTION**
ELLIOTT WRIGHT GROUP
TITLE SHEET
Part of the Worksheet 1/4 of Section 23, Township 18 North, Range 2 East, Clay Township, Hamilton County, Indiana

SHEET NO.
1
PROJECT NO.
W02-0740



- LEGEND**
- A— = Aerial Utility Lines
 - B— = Buried Electric Lines
 - T— = Buried Telephone Lines
 - G— = Buried Gas Lines
 - = Power Pole
 - = Power Pole with Transformer
 - △ = Guy Anchor
 - ⊕ = Telephone Pedestal
 - ⊙ = Telephone Manhole
 - ⊖ = Electric Meter
 - ⊞ = Electrical Transformer
 - ⊕ = Gas Meter
 - ⊞ = Gas Pipeline Marker
 - ⊖ = Water Valve
 - ⊞ = Water Meter
 - ⊞ = Underdrain
 - ⊞ = Sanitary Sewer Service
 - ⊞ = Fire Hydrant
 - ⊞ = Yard Light
 - ⊞ = Mailbox
 - ⊞ = Air Conditioner
 - ⊞ = Cleanout
 - ⊞ = Inlet
 - ⊞ = Survey Control Point
 - RWMF = Right-of-Way Marker Found
 - WPS = 5/8" Rebar with WEIHE cap set 8/14/02
 - WBF = Wood Board Fence
 - SRF = Split Rail Fence
 - CLF = Chain-Link Fence
 - C.C. = Certificate of Correction
- All fencing is wood board fence, unless otherwise noted.
Areas around existing buildings are not included.

WEIHE ENGINEERS, INC.
 10305 NORTH COLLEGE AVENUE
 INDIANAPOLIS, INDIANA 46280
 (317) 946-6611 FAX: (317) 943-0546
 TOLL-FREE: (800) 652-6608

ALLAN H. WEIHE
 REGISTERED CIVIL ENGINEER
 REGISTERED LAND SURVEYOR
 PRESIDENT

CIVIL ENGINEERS • LAND SURVEYORS • LANDSCAPE ARCHITECTS

DATE	BY	PROJECT NO.	DWG. NO.	FIELD BY	DRAWN BY	CHECKED BY	DATE
12/15/03	JAS	W02-0740	5	JAS	JAS	JAS	05/19/2003



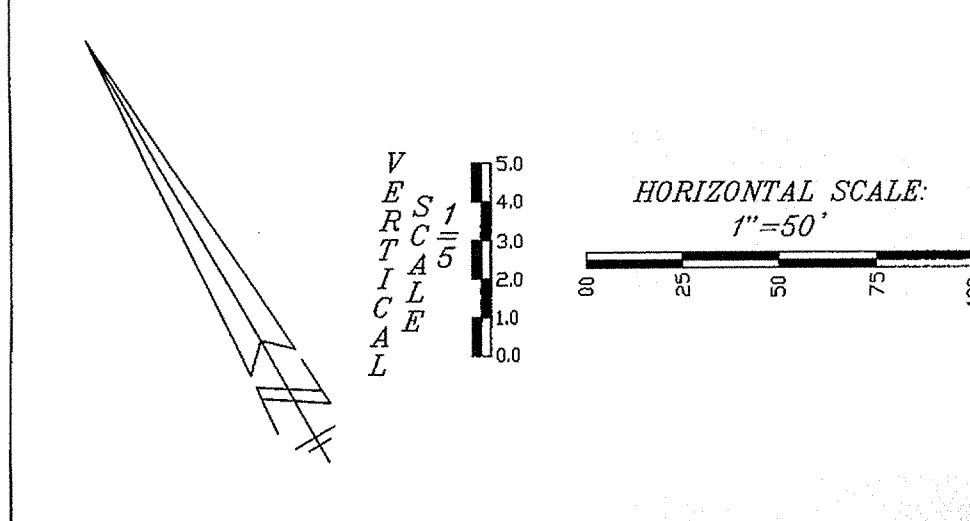
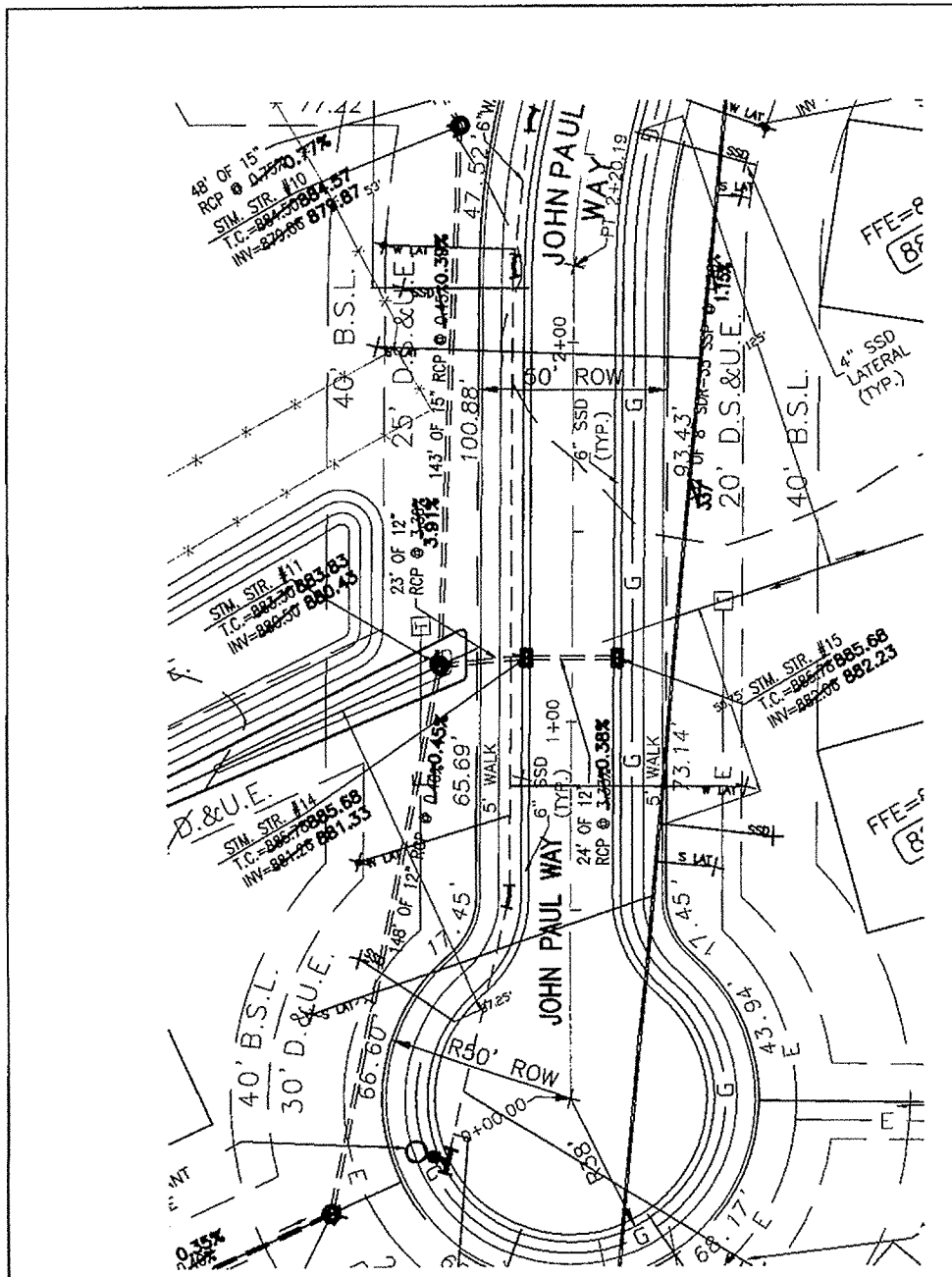
PREPARED FOR:
VILLAGE OF MOUNT CARMEL
TENTH SECTION
 ELLIOTT WRIGHT GROUP
STORM PLAN AND PROFILE

Part of the information on this drawing was prepared by Hamilton County, Indiana.

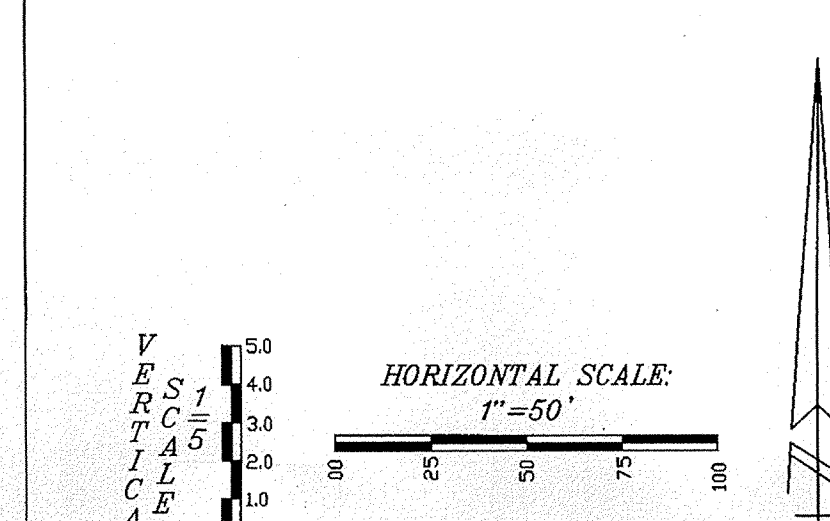
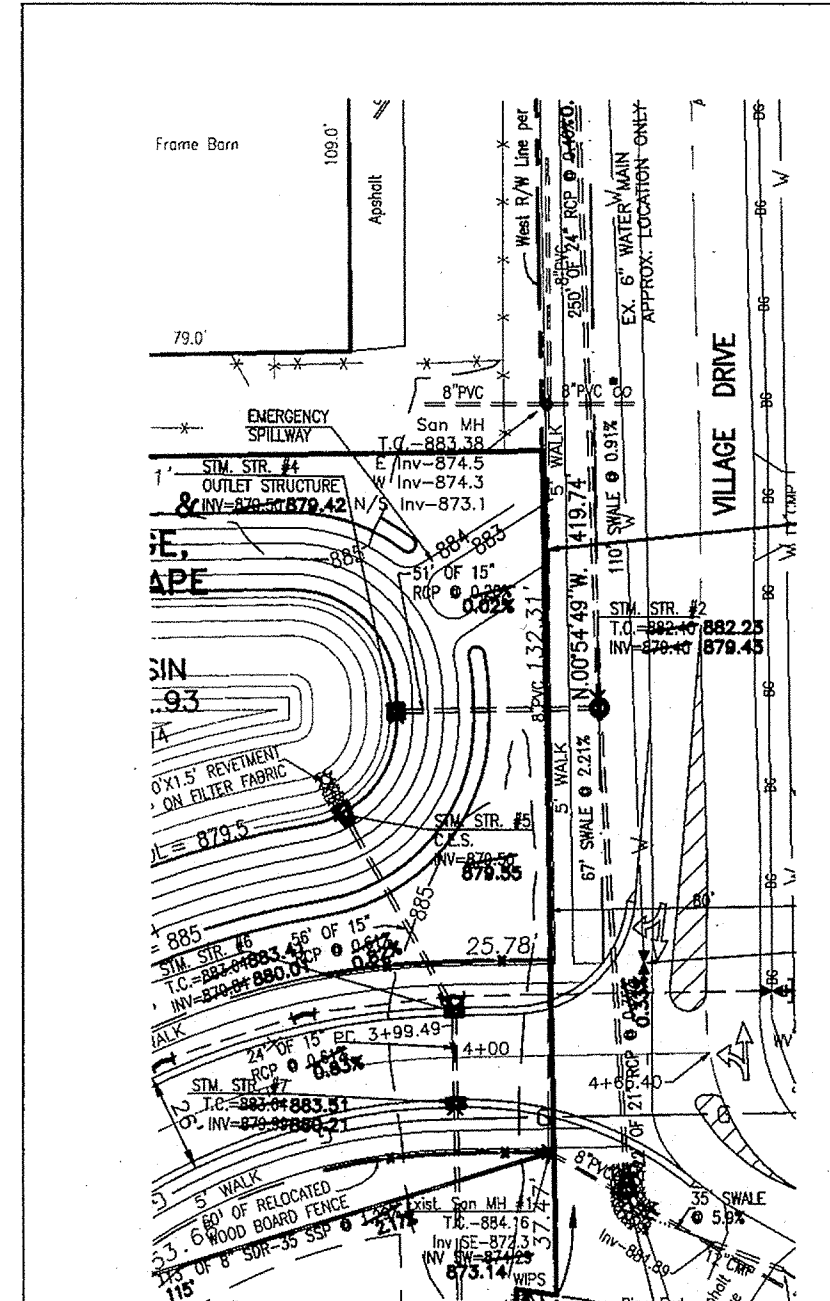
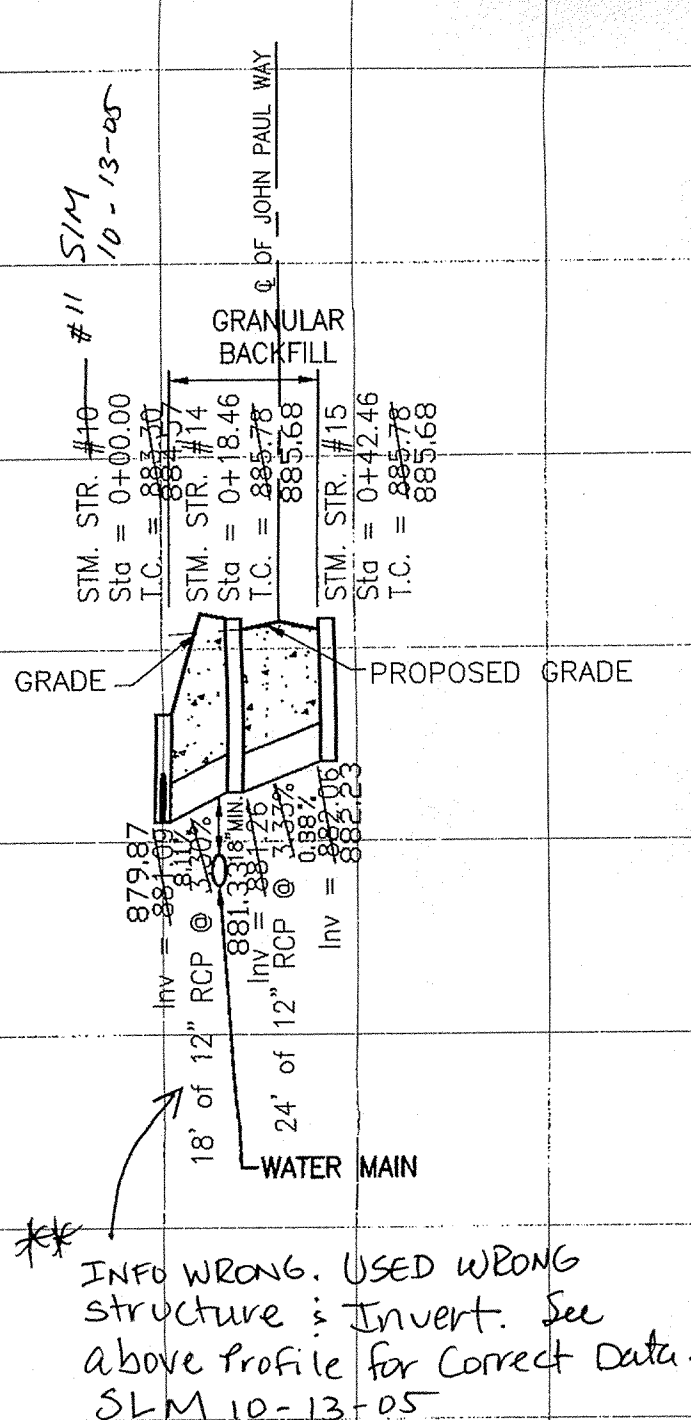
RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 12/15/03

SHEET NO.
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 PROJECT NO.
W02-0740

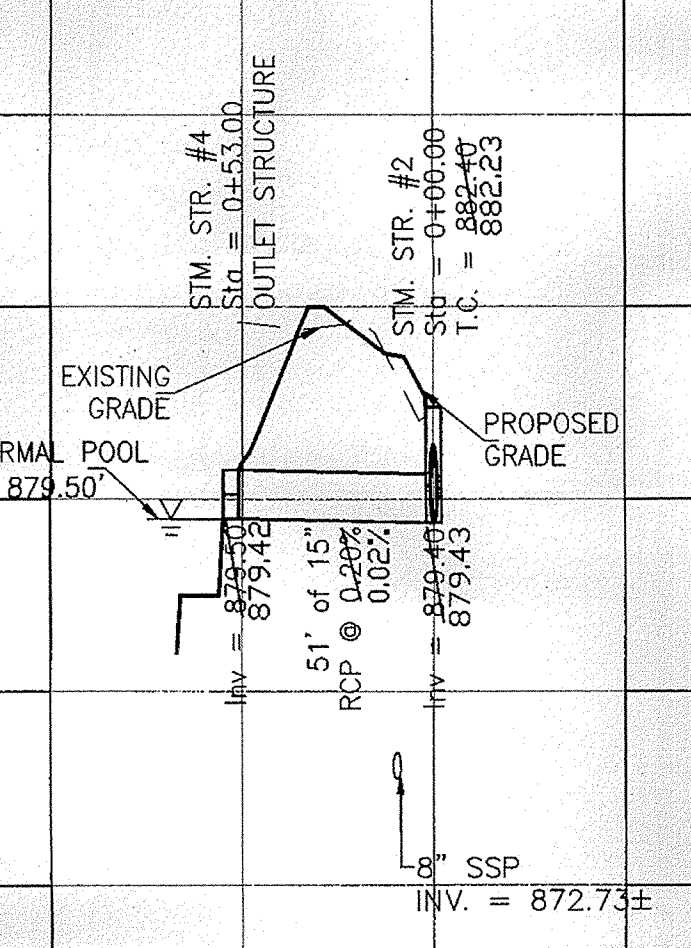
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 PLOTTED BY: jms



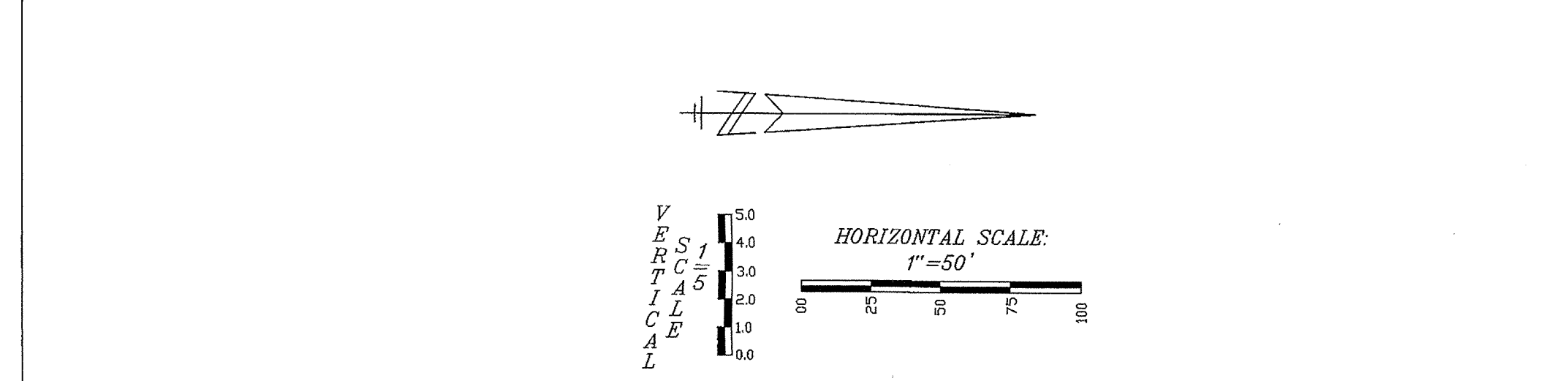
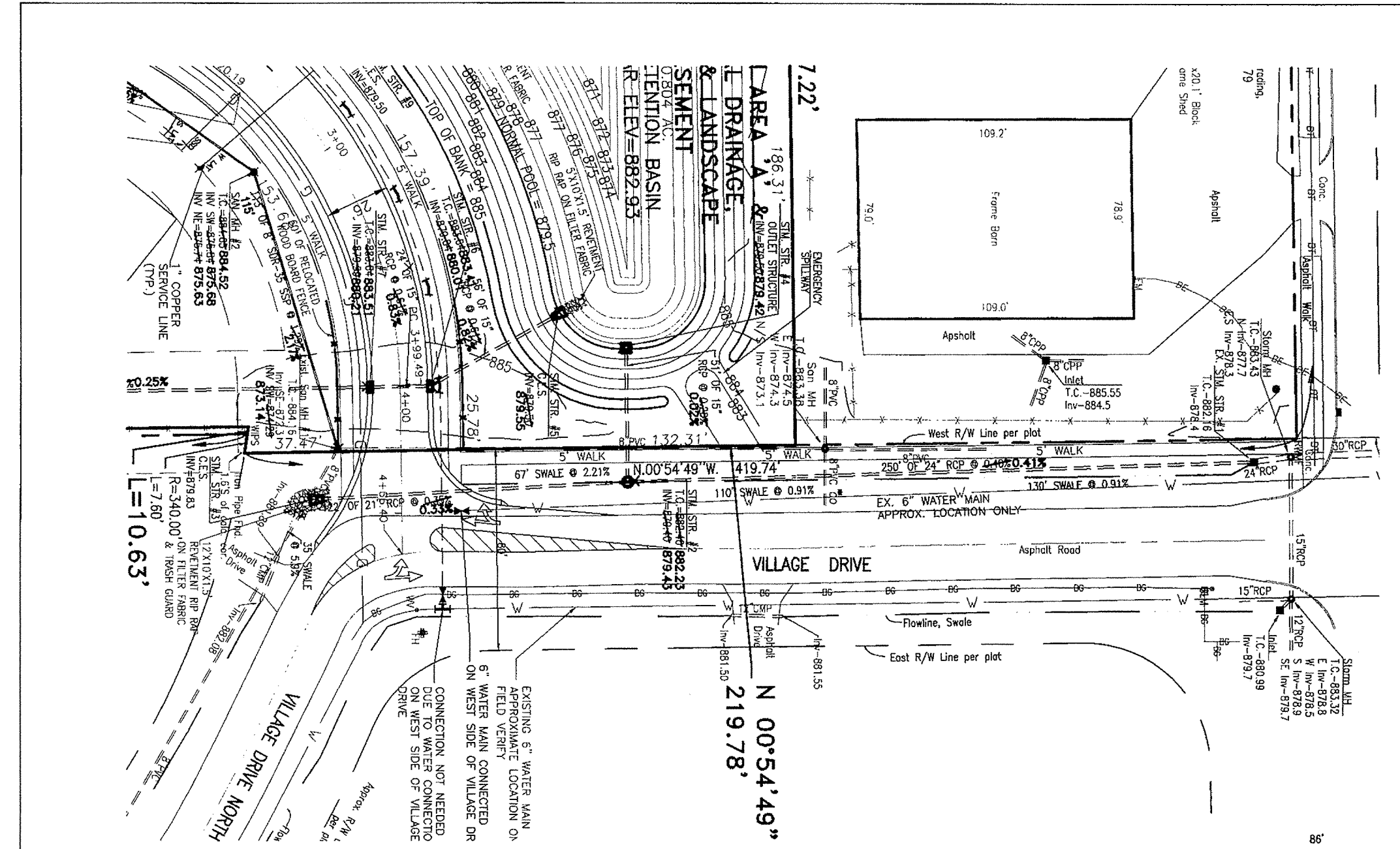
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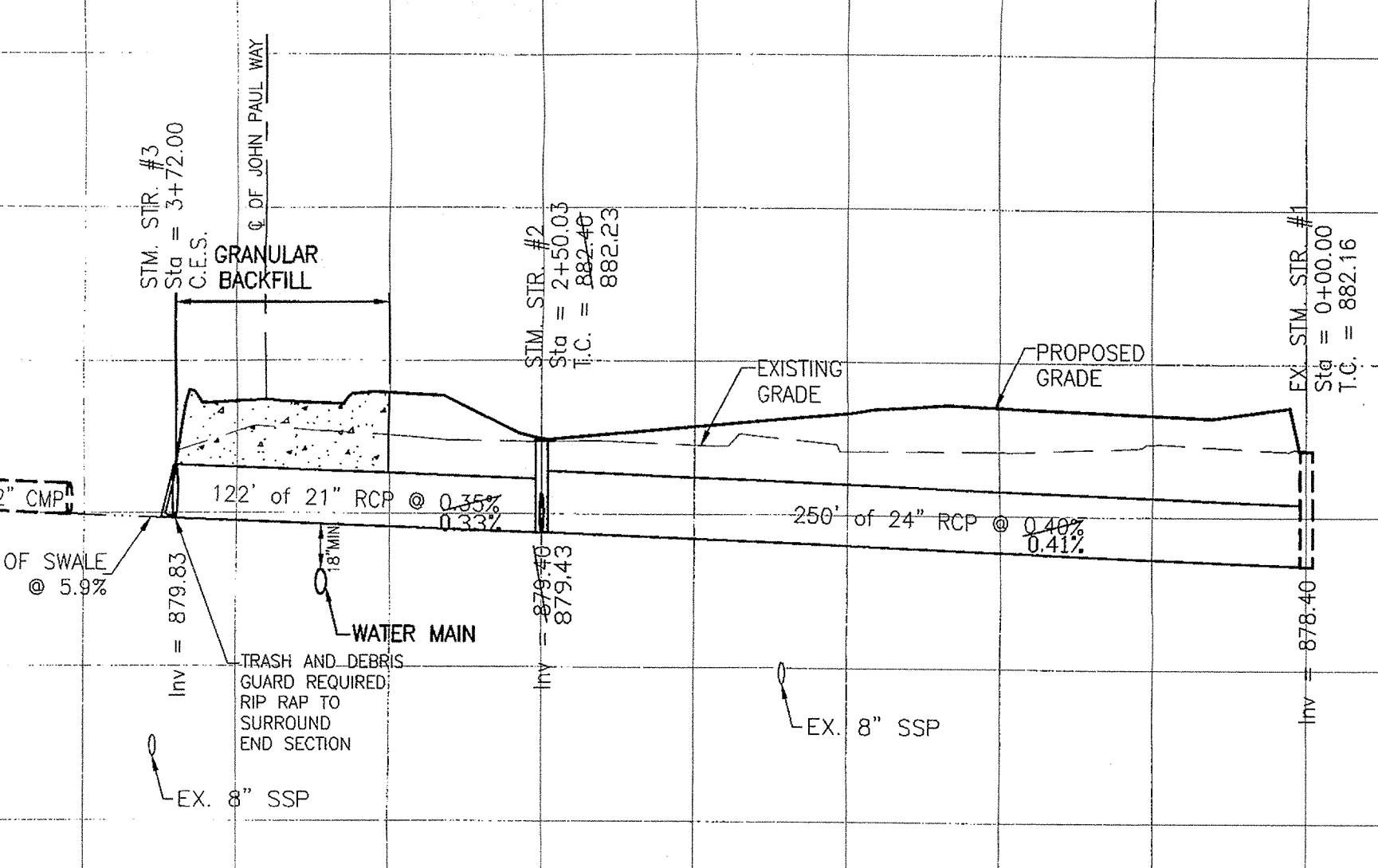
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- LEGEND**
- Aerial Utility Lines
 - Buried Electric Lines
 - Buried Telephone Lines
 - Buried Gas Lines
 - Power Pole
 - ◆ Power Pole with Transformer
 - ▲ Guy Anchor
 - Telephone Pedestal
 - Telephone Manhole
 - ⊕ Electric Meter
 - ⊕ Electrical Transformer
 - ⊕ Gas Meter
 - ⊕ Gas Pipeline Marker
 - ⊕ Water Valve
 - ⊕ Water Meter
 - ⊕ Underdrain
 - ⊕ Sanitary Sewer Service
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 - CLF = Chain-Link Fence
 - C.C. = Certificate of Correction
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Areas around existing buildings are not included.
- AS-BUILT WATER MAIN LATERAL
 - AS-BUILT SUB-SURFACE DRAIN



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HAMILTON COUNTY INDIANA

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Entry Date: 8-19-05

Entered by: SLM

WEIHE ENGINEERS, INC.

10505 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6011 FAX: (317) 843-8346
TOLL-FREE: (800) 452-0468

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS

PROJECT NO.:	W02-0740
DATE:	01/27/03
BY:	JAS
CHECKED BY:	JAS
DATE:	3/27/03
BY:	JAS
CHECKED BY:	JAS
DATE:	7/27/03
BY:	JAS
CHECKED BY:	JAS
DATE:	4/29/03
BY:	JAS
CHECKED BY:	JAS
DATE:	5/16/03
BY:	SR
CHECKED BY:	SR
DATE:	5/17/03
BY:	SR
CHECKED BY:	SR
DATE:	04/20/2003

REVISIONS:

1. 01/27/03 JAS CAMEL TAC

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RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
12/15/03

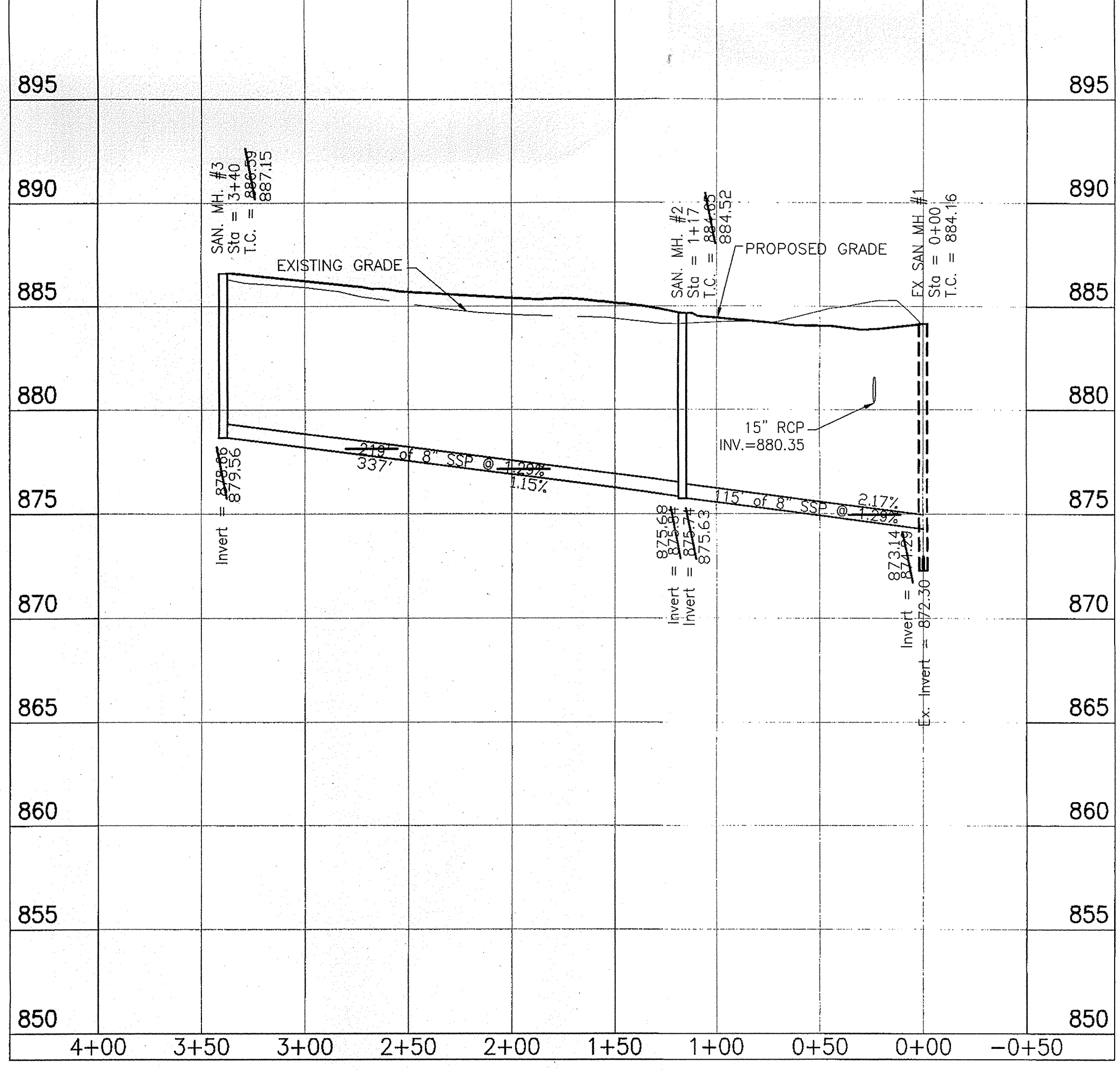
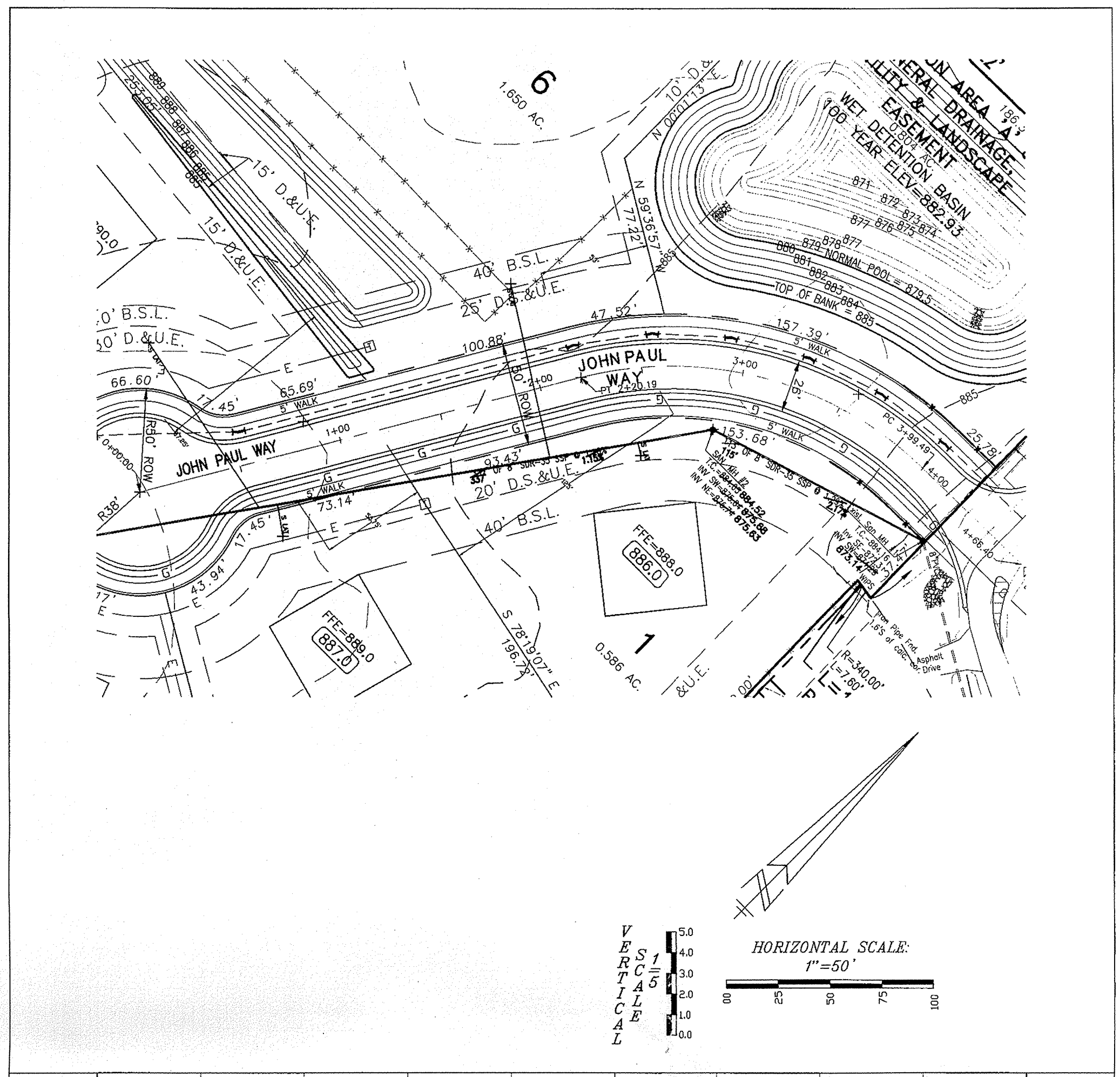
PREPARED FOR:
VILLAGE OF MOUNT CARMEL
TENTH SECTION
ELLIOTT WRIGHT GROUP

STORM PLAN AND PROFILE

PROJECT NO.
W02-0740

6

LOCATION: H:\2002\W020740\A\RECORD DRAWING\20145611-AS-BUILTS.dwg
DATE/TIME: January 22, 2004 - 11:25am
PLOTED BY: jws



NOTE:
ALL SANITARY LATERALS WITHIN THE RIGHT-OF-WAY ARE REQUIRED TO HAVE FULL DEPTH GRANULAR BACKFILL.

LATERAL LOCATION TABLE

LOT #	NEAREST DOWNSTREAM MANHOLE	STATIONING
1	2	36' 38"
2	2	84' 39"
3	2	209' 215"
4	2	209' 225"
5	2	223' 338"
6	2	223' 338"

AS-BUILT SANITARY LATERAL

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: 8-19-05
Entered by: SLM

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
12/15/03

WEIHE ENGINEERS, INC.
1005 NORTH COLLEGE AVENUE
MOUNTAIN VIEW, INDIANA 46041
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE (800) 552-6408

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

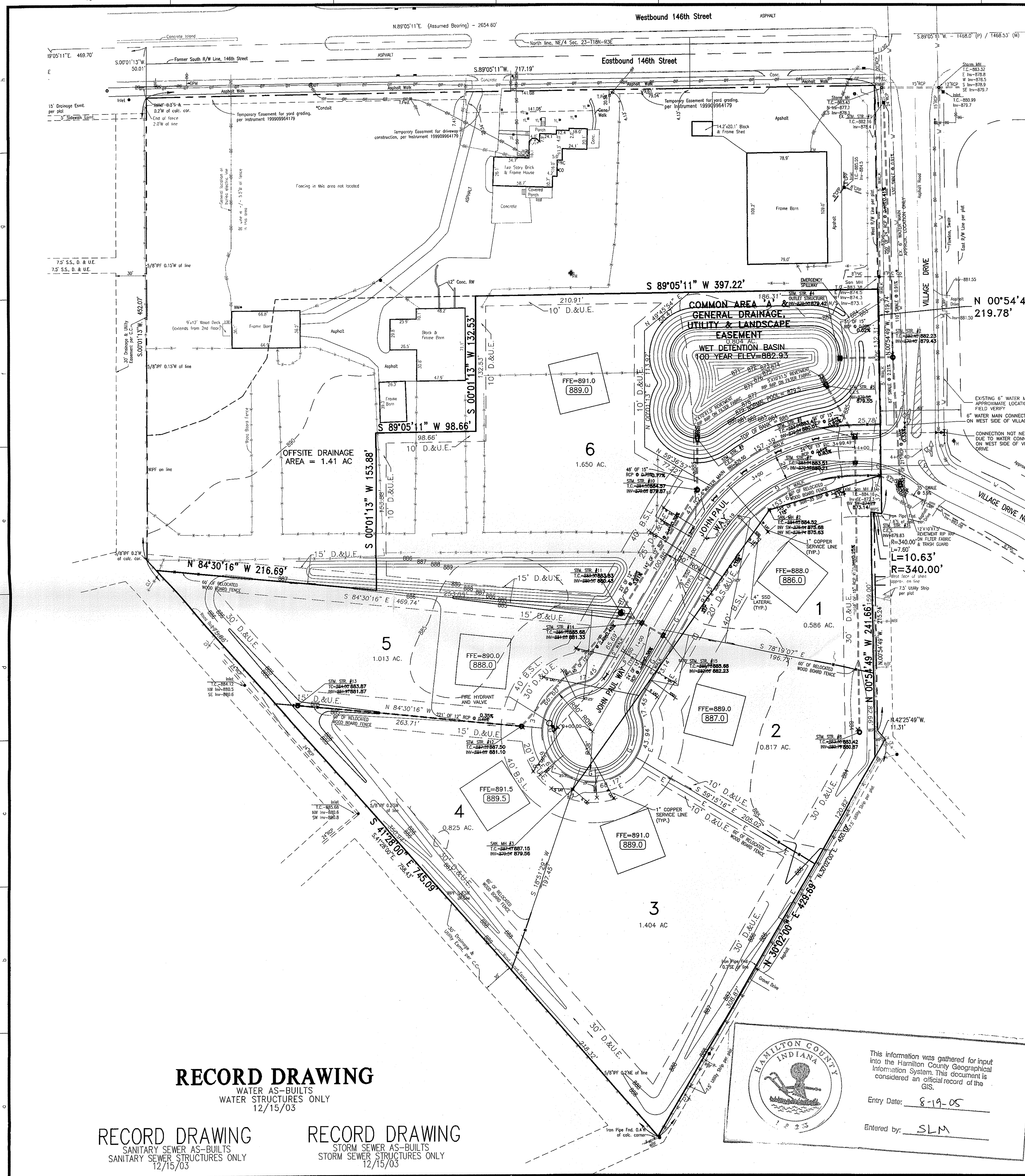
PROJECT NO. W02-0740
DATE: 04/20/2003

JAMES K. SHINNEMAN
REGISTERED PROFESSIONAL ENGINEER
NO. 10200392
STATE OF INDIANA

PREPARED FOR:
VILLAGE OF MOUNT CARMEL
TENTH SECTION
ELLIOTT WRIGHT GROUP
SANITARY PLAN AND PROFILE
Part of the Recordset 1/4 of Section 25, Township 16 North, Range 3 East, City Township, Hamilton County, Indiana

SHEET NO. **7**
PROJECT NO. W02-0740

LOCATION: MOUNTAIN VIEW, INDIANA
 DRAWING: SANITARY SEWER AS-BUILTS
 DATE: 08/19/05
 PLOTTED BY: SLM



**CITY OF CARMEL UTILITY
PIPE INSTALLATION**

All work shall be in the best practices of the water utility industry and the American Water Works Association, and in accordance with all applicable Federal, State, and local codes and regulations.

Furthermore:

- 1) Any damage done to the City of Carmel Utility's system by the Contractor or his affiliates shall immediately be repaired, to the satisfaction and direction of the City of Carmel Utility by the Contractor at his own expense.
- 2) Should the Contractor propose to depart from the specifications contained herein, he shall submit samples and/or specifications of such alternatives to the City of Carmel Utility before proceeding.
- 3) No work shall be performed under conditions which in the opinion of the City of Carmel Utilities would adversely affect the quality of the finished job.
- 4) The Contractor shall conduct his work so as not to interfere with the present operation of the existing City of Carmel Utility's water/sanitary sewer system. If any work interference is encountered between the City of Carmel Utility and the Contractor, the City of Carmel Utility will receive priority in scheduling.

**CITY OF CARMEL WATER UTILITY
Developer Installed Water Mains**

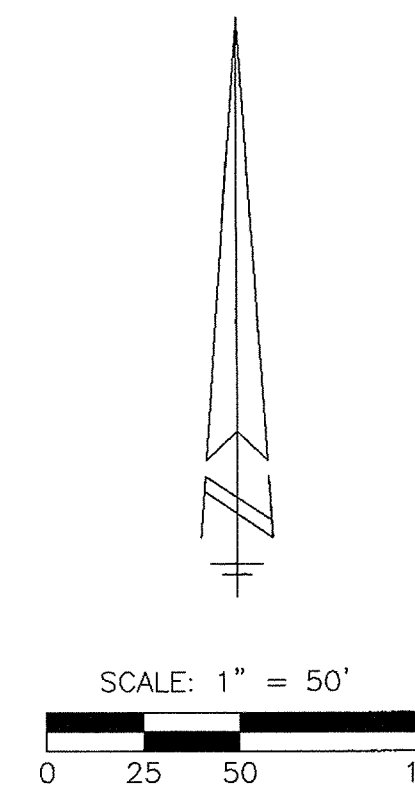
- 1) Contractors shall call City of Carmel Utility for an on-site pre-construction meeting before work begins. Contractor must have approved plans on-site and all materials to be used must be approved by a City of Carmel Utility inspector.
- 2) Contractor will allow inspection by City of Carmel Utility inspectors during the construction of the water main extension and will honor the City of Carmel Utility's request for field changes in main extensions related to location, workmanship and materials as they relate to City of Carmel Utility standards and specifications.
- 3) The Contractor will have water main extensions pressure tested per City of Carmel Utility specifications and witnessed by City of Carmel Utility's inspector.
- 4) The Contractor will conduct the disinfection of water main extension, with direct supervision by a City of Carmel Utility Operator.
- 5) Only after the water main extension passes the City of Carmel Utility's laboratory testing, and two (2) sets of AS-BUILT plans have been turned in to the City of Carmel Utility, will the water be turned on by the City of Carmel Utility.

CITY OF CARMEL UTILITY STANDARDS NOTES:

- 1) Absolutely no Kennedy Fire Hydrants or Valves are allowed.
- 2) Only Tyler Valve Boxes are allowed.
- 3) Ductile Iron Pipe in lengths of 20 feet is the only length allowed.
- 4) Posi-Caps or the equivalent are required on all water valve installations.

GENERAL UTILITY NOTES:

1. VERIFY LOCATION OF ALL PROPOSED UTILITIES (WATER, SANITARY, STORM, GAS, ELECTRIC, TELEPHONE AND CABLE) WITH RESPECTIVE UTILITY COMPANY OR GOVERNMENTAL AGENCY BEFORE BEGINNING ANY UNDERGROUND UTILITY INSTALLATIONS. COORDINATE ALL UNDERGROUND UTILITY INSTALLATIONS AND WORK BY RESPECTIVE UTILITY COMPANIES.
2. NOTIFY RESPECTIVE UTILITY COMPANY OR GOVERNMENTAL AGENCY FOR REQUIRED INSPECTIONS BEFORE BEGINNING WORK.



LEGEND

- Aerial Utility Lines
- Buried Electric Lines
- Buried Telephone Lines
- Buried Gas Lines
- Power Pole
- Power Pole with Transformer
- Guy Anchor
- Telephone Pedestal
- Telephone Manhole
- Electric Meter
- Electrical Transformer
- Gas Meter
- Gas Pipeline Marker
- Water Valve
- Water Meter
- Underdrain
- Sanitary Sewer Service
- Fire Hydrant
- Yard Light
- Mailbox
- Cleanout
- Inlet
- Survey Control Point
- Right-of-Way Marker Found
- 5/8" Rebar with WEHE cap set 8/14/02
- 5/8" Rebar with WEHE cap found
- Wood Board Fence
- Split Rail Fence
- Chain-Link Fence
- Certificate of Correction

All fencing is wood board fence, unless otherwise noted.
Areas around existing buildings are not included.

WEIHE ENGINEERS, INC.
1065 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE (800) 452-4688

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	01/21/03	JAS	MINOR REVISIONS TO ALL SHEETS PER CHANGE LOG
2	03/07/03	JAS	MINOR REVISIONS TO SANITARY PER CITY OF CARMEL UTILITY
3	04/23/03	JAS	MINOR REVISIONS PER HAMILTON CO. SURVEYOR AND HAMILTON COUNTY ENGINEER
4	07/29/03	MISCOR	MINOR REVISIONS PER HAMILTON COUNTY ENGINEER AND HAMILTON COUNTY SURVEYOR
5	07/29/03	OKR	MINOR REVISIONS PER CITY OF CARMEL UTILITY
6	07/29/03	SR	MINOR REVISIONS PER CITY OF CARMEL UTILITY

PROJECT NO.: W02-0740
DWG. NAME: DEBRIS GUARD
DATE PLOTTED: 12/15/03
DRAWN BY: JAS
CHECKED BY: JAS

JAMES K. SHINNEMAN
REGISTERED PROFESSIONAL ENGINEER
NO. 10200392
STATE OF INDIANA

OFFICE OF THE HAMILTON COUNTY SURVEYOR

DEBRIS GUARD

SIDE PROFILE

TOP VIEW

Approx. Size	V-bar Size	No. of V-bars	Bolt Size	"A" Dia
18	1/2"	3	3/8"	1/2"
24	5/8"	4	3/4"	1/2"
30	5/8"	4	3/4"	7/16"
36	3/4"	4	1"	10/16"
42	3/4"	4	1"	11/16"
48	3/4"	4	1 1/2"	3/4"
54	3/4"	4	1 1/2"	3/4"
60	3/4"	5	1 1/2"	3/4"
66	3/4"	5	1 1/2"	3/4"
72	3/4"	6	1 1/2"	3/4"
78	3/4"	6	1 1/2"	3/4"
84	3/4"	7	1 1/2"	3/4"
90	3/4"	7	1 1/2"	3/4"

NOTES:
1. BARS & PLATES ARE HOT-ROLLED STEEL.
2. BARS, PLATES & PIPES ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
3. BOLTS ARE GALVANIZED
4. NO REBAR THROUGH PIPES WILL BE ALLOWED
5. DEBRIS GUARD SHALL BE REMOVABLE

HAMILTON COUNTY SURVEYOR'S OFFICE
APPROVED: KENTON C. WARD, HAMILTON COUNTY SURVEYOR
DATE: 4/14/00
STANDARD PLAN D-12

NOTE: NO VALVES WILL BE PERMITTED UNDER PAVEMENT.

NOTE: ALL WATER LATERALS TO BE 1.0" K COPPER WITH STREET SIDE ANGLE VALVE

CAUTION!
THE 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 OTHER) 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 SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

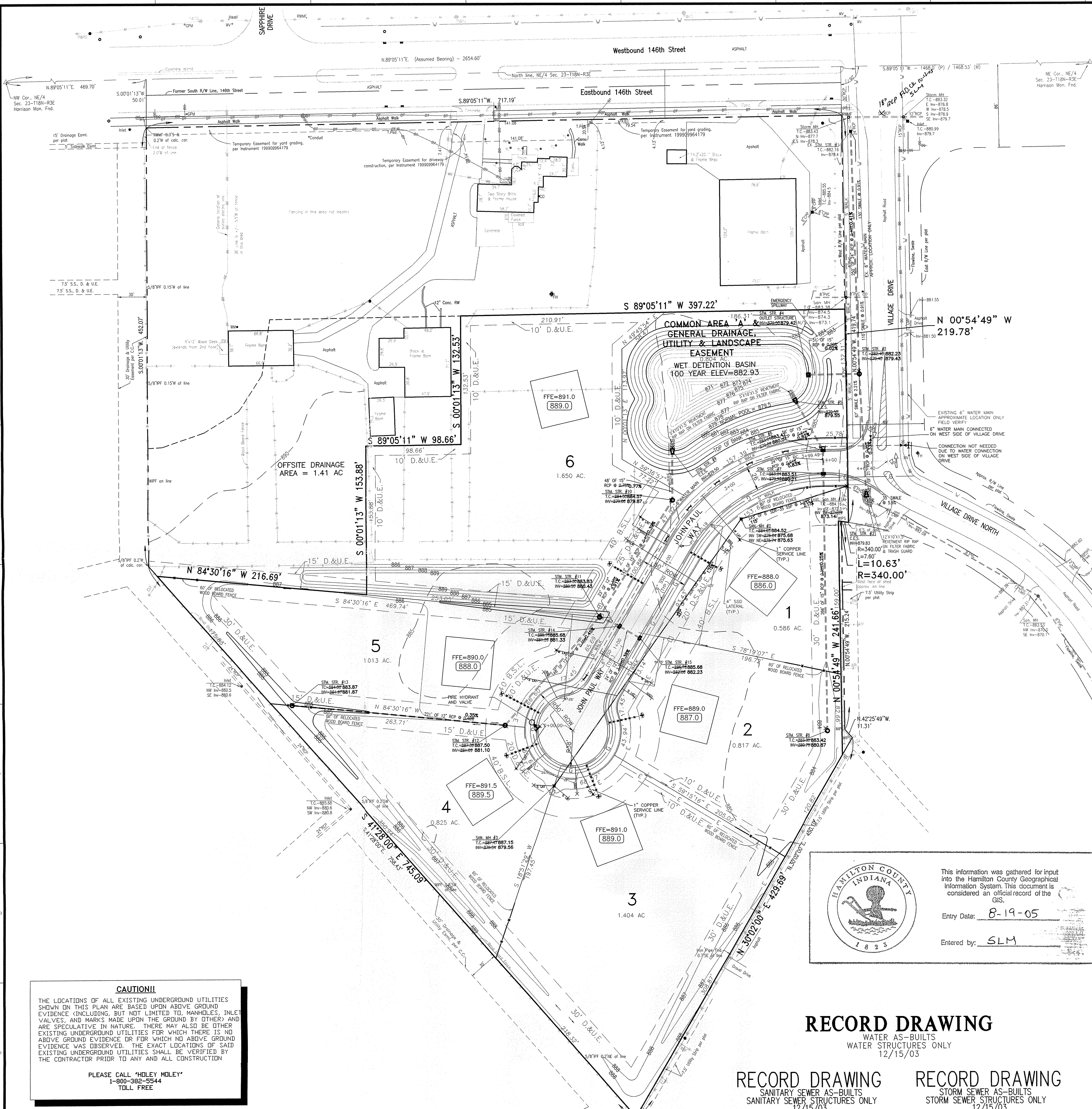
PLEASE CALL "HOLEY MOLEY"
1-800-382-5544
TOLL FREE

RECORD DRAWING
WATER AS-BUILTS
WATER STRUCTURES ONLY
12/15/03

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
12/15/03

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
12/15/03

PREPARED FOR: **VILLAGE OF MOUNT CARMEL TENTH SECTION**
ELLIOTT WRIGHT GROUP
SITE UTILITY/WATER PLAN
SHEET NO. **10**
PROJECT NO. W02-0740



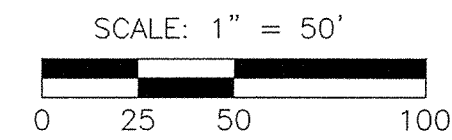
STORM SEWER STRUCTURE TABLE				
STRUCTURE NUMBER	STRUCTURE TYPE	CASTING	TOP OF CASTING	INVERT
STM STR #1	EX INLET	BEEHIVE	882.16	878.40
STM STR #2	INLET	BEEHIVE	882.10	879.43
STM STR #3	C.E.S.		882.00	879.83
STM STR #4	INLET	OUTLET STR.	882.00	879.42
STM STR #5	C.E.S.		882.00	879.55
STM STR #6	INLET	CURB	883.41	880.01
STM STR #7	INLET	BEEHIVE	883.51	880.21
STM STR #8	INLET	BEEHIVE	883.27	880.87
STM STR #9	C.E.S.		883.00	879.50
STM STR #10	INLET	BEEHIVE	884.50	879.87
STM STR #11	INLET	BEEHIVE	883.00	880.43
STM STR #12	MANHOLE	SOLID	884.00	881.10
STM STR #13	INLET	BEEHIVE	884.00	881.87
STM STR #14	INLET	CURB	885.68	881.33
STM STR #15	INLET	CURB	885.68	882.23

SANITARY SEWER STRUCTURE TABLE			
STRUCTURE NUMBER	TOP OF CASTING	INVERT (IN)	INVERT (OUT)
SAN MH #1	884.16	873.14	872.30
SAN MH #2	884.52	875.68	875.63
SAN MH #3	885.68	875.68	875.63

THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OF CARMEL IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT/RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION.

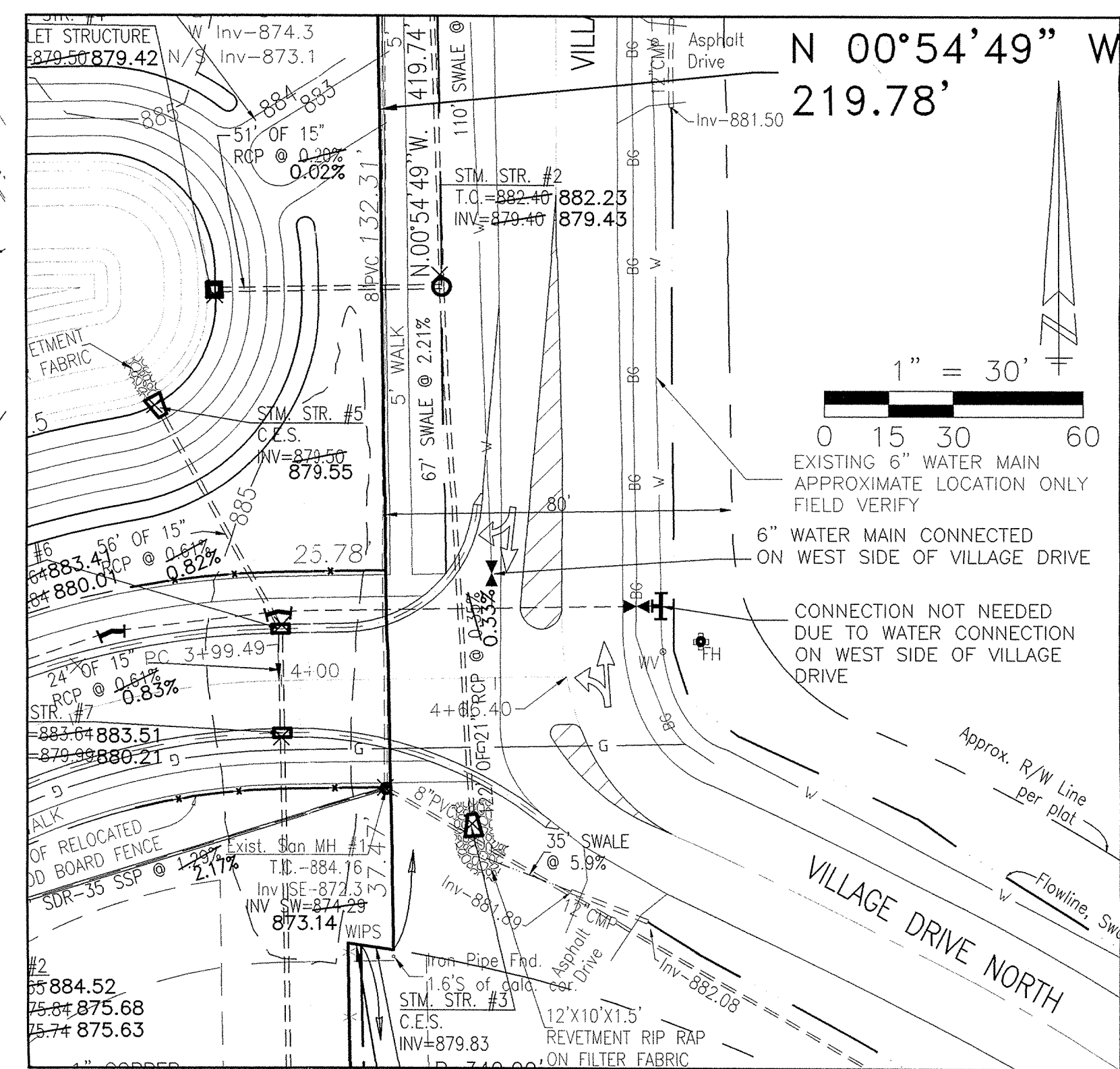
*THE CONTRACTOR SHALL FIELD CHECK EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH THE DESIGN PLANS.

- LEGEND**
- = Aerial Utility Lines
 - o-o- = Buried Electric Lines
 - x-x- = Buried Telephone Lines
 - = Buried Gas Lines
 - ☉ = Power Pole
 - ☉+ = Power Pole with Transformer
 - ☉A = Guy Anchor
 - ☉P = Telephone Pedestal
 - ☉E = Electric Meter
 - ☉T = Telephone Manhole
 - ☉M = Electric Meter
 - ☉G = Gas Meter
 - ☉H = Gas Pipeline Marker
 - ☉V = Water Valve
 - ☉W = Water Meter
 - ☉U = Underdrain
 - ☉S = Sanitary Sewer Service
 - ☉F = Fire Hydrant
 - ☉L = Yard Light
 - ☉M = Manhole
 - ☉AC = Air Conditioner
 - ☉C = Cleanout
 - ☉ = Inlet
 - TP = Survey Control Point
 - RWMF = Right-of-Way Marker Found
 - WIPS = 5/8" Rebar with WEHE cap set 8/14/02
 - WIPF = 5/8" Rebar with WEHE cap found
 - WBF = Wood Board Fence
 - SRF = Split Rail Fence
 - CLF = Chain-Link Fence
 - C.C. = Certificate of Correction



BENCHMARK
RAILROAD SPIKE IN THE SOUTH SIDE OF A POWER POLE PER AMERICAN CONSULTING ENGINEERS SURVEY CONTROL PLAT FOR 146TH STREET (JOB 97-614), (TBM #28)
ELEVATION = 884.33 (NAVD 1988)

TEMPORARY BENCHMARK
THE NORTHWEST BASE BOLT ON A LIGHT STANDARD ON THE EAST SIDE OF AN ASPHALT DRIVE AT OUR LADY OF MOUNT CARMEL CATHOLIC CHURCH, BEING DIRECTLY EAST OF THE BUILDING, AND APPROXIMATELY 20 FEET SOUTH OF A 21" MAPLE TREE, (ESTABLISHED IN WEIHE ENGINEERS, INC. JOB W00-895)
ELEVATION = 883.60



HAAMILTON 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: 8-19-05
Entered by: SLM

RECORD DRAWING
WATER AS-BUILTS
WATER STRUCTURES ONLY
12/15/03

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
12/15/03

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
12/15/03

INTERSECTION DETAIL

CAUTION!!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLET 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 SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION

PLEASE CALL "HOLEY MOLEY"
1-800-382-5544
TOLL FREE

WEIHE ENGINEERS, INC.
1806 NORTH COLLIER AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE (800) 452-6488

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

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DATE: 01/17/03
JOB NO: W02-0740
DRAWN BY: JLS
CHECKED BY: JLS
DATE: 04/30/03

MINOR REVISIONS TO ALL SHEETS PER CARMEL I.A.C. PERMANENT RECORDS
MINOR REVISIONS TO SANITARY PER CARMEL UTILITIES DEPARTMENT PERMANENT RECORDS
MINOR REVISIONS PER HAMILTON COUNTY SURVEYOR AND UNDERGROUND CONNECTION AND CURB TAPER REVISIONS PER CITY OF CARMEL
SANITARY, STORM SEWER & WATER AS-BUILTS

REGISTERED PROFESSIONAL ENGINEER
NO. 10200392
STATE OF INDIANA
James K. Shinneman P.E. 10200392

PREPARED FOR:
VILLAGE OF MOUNT CARMEL
TENTH SECTION
ELLIOTT WRIGHT GROUP
DEVELOPMENT LAYOUT PLAN

Part of the northwest 1/4 of Section 23, Township 18 North, Range 3 East, City Township, Hamilton County, Indiana

SHEET NO. 3

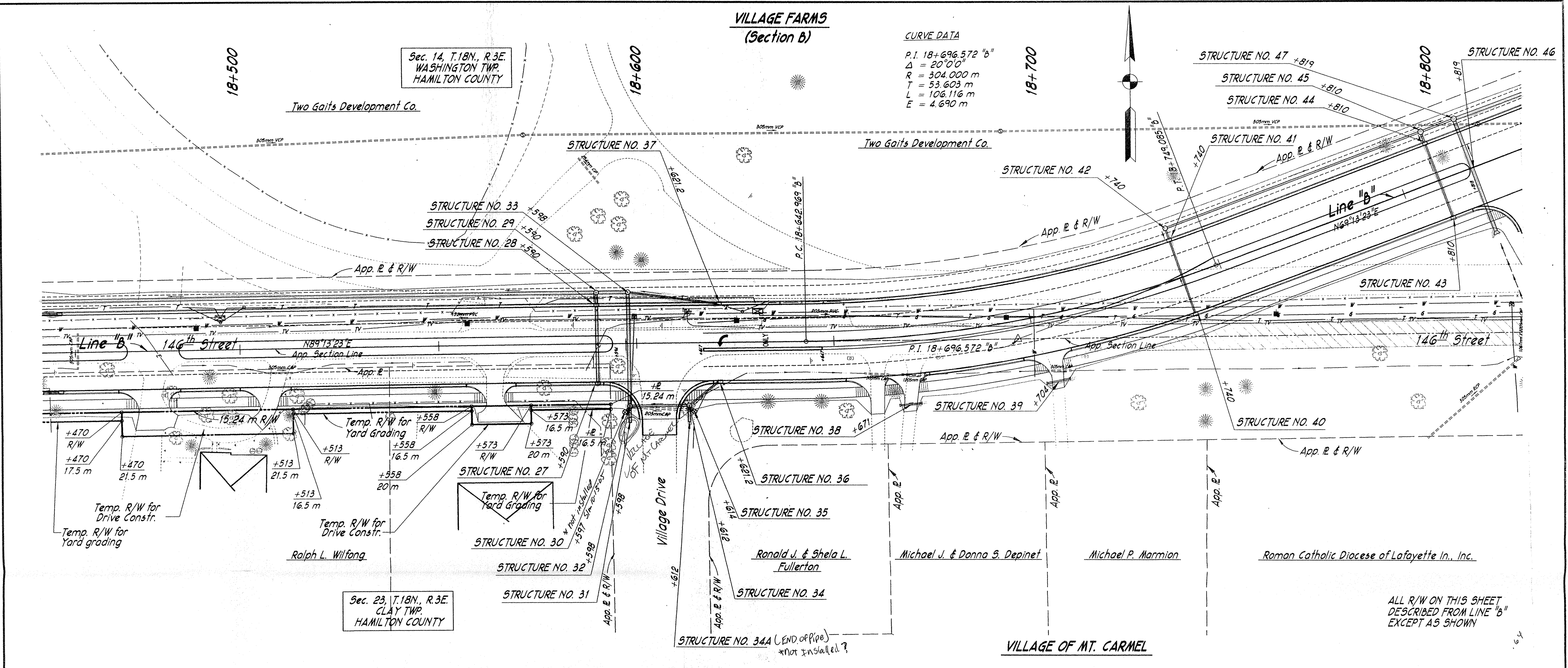
PROJECT NO. W02-0740

VILLAGE FARMS
(Section B)

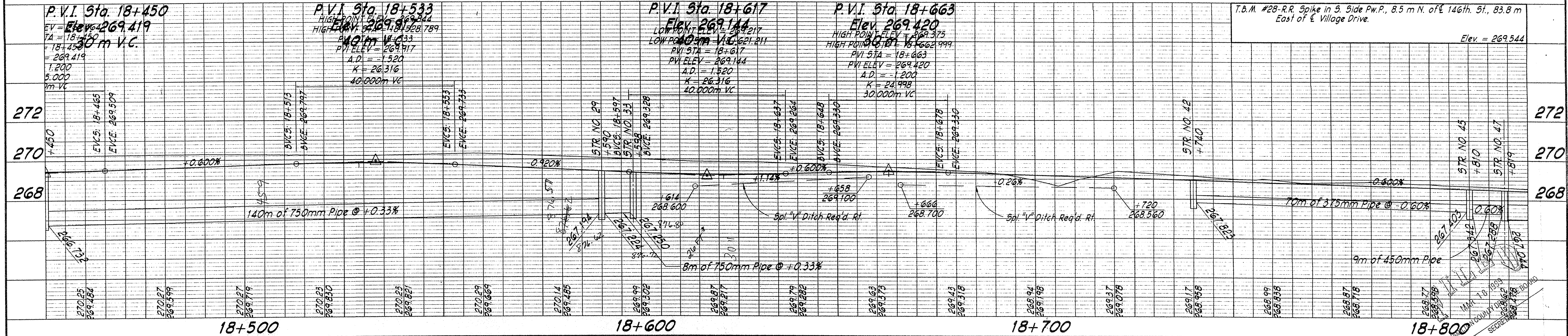
CURVE DATA
 P.I. 18+696.572 "b"
 $\Delta = 20^{\circ}0'0"$
 R = 304.000 m
 T = 53.603 m
 L = 106.116 m
 E = 4.690 m

Sec. 14, T.18N., R.3E.
 WASHINGTON TWP.
 HAMILTON COUNTY

Sec. 23, T.18N., R.3E.
 CLAY TWP.
 HAMILTON COUNTY



ALL R/W ON THIS SHEET DESCRIBED FROM LINE "b" EXCEPT AS SHOWN

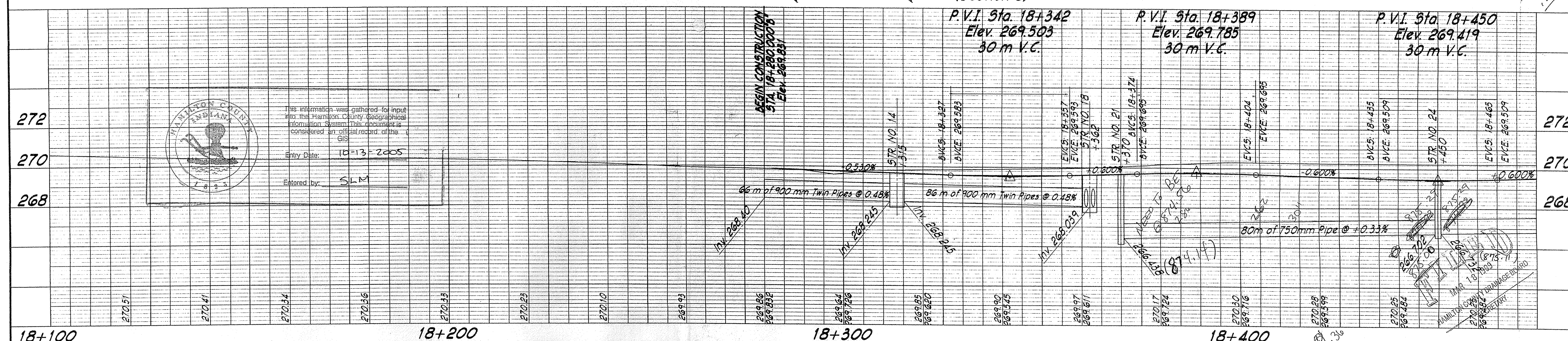
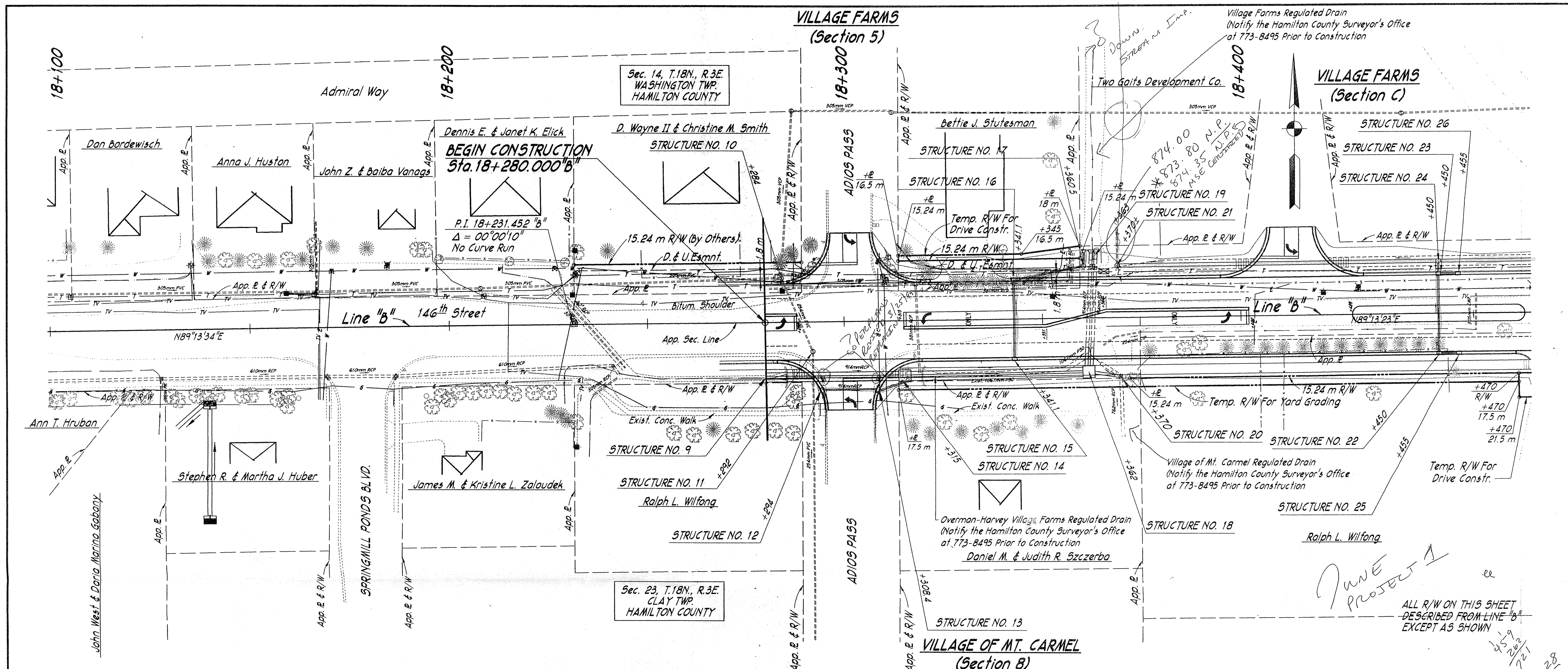


This information was gathered for input into the Hamilton County Geographical Information System (GIS) and is considered an official record of this GIS.

Entry Date: 10-13-05
 Entered by: SLM

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	HAMILTON COUNTY HIGHWAY DEPARTMENT	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED:	DRAWN:	CHECKED:	CHECKED:			1:500	DESIGNATION
					PLAN AND PROFILE	VERTICAL SCALE	
						1:100	
					SURVEY BOOK	SHEETS	
					CONTRACT	7 of	
							PROJECT

This copy is from the Digital Archive of the Hamilton County Surveyors Office, One Hamilton Co. Square, Ste. 188, Noblesville, IN



<p>This information was gathered for input into the Hamilton County Geographic Information System. This document is considered an official record of the GIS.</p> <p>Entry Date: 10-13-2005</p> <p>Entered by: SLM</p>		<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: W.E.H. DRAWN: W.A.W.</p> <p>CHECKED: P.D.G. CHECKED: W.E.H.</p>		<p>HAMILTON COUNTY HIGHWAY DEPARTMENT</p> <p>PLAN AND PROFILE</p>		<p>HORIZONTAL SCALE 1:500 BRIDGE FILE</p> <p>VERTICAL SCALE 1:100 DESIGNATION</p> <p>SURVEY BOOK _____ SHEETS 6 of _____</p> <p>CONTRACT _____ PROJECT</p> <p>HCHD PR-97-0006</p>	
--	--	--	--	---	--	---	--

DWG FILE: J:\97\97-614\97614R10
 PLOT SCALE: 1:500
 PLOT ORIGIN: 15872.31, 15064.34

SPELLCHK:
 EDIT DATE: 03/16/99 09:34:59
 EDITED BY: WAW - S104

* IF CONTRACTOR ELECTS TO USE METAL PIPE THICKNESS AS SHOWN BELOW ARE TO BE USED.

STRUCTURE DATA

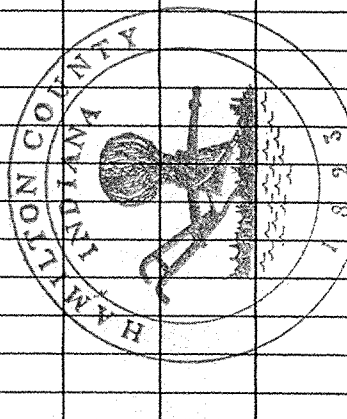
* IF CONTRACTOR ELECTS TO USE METAL PIPE THICKNESS AS SHOWN BELOW ARE TO BE USED.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	HCHD PR-97-0006	1998		

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE mm	GROUP	DESCRIPTION SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITH- IN EACH GROUP	LENGTH		FLOW LINE		CONCRETE CLASS "A"	"B" BORROW FOR STR. BACKFILL	METHOD	GAGES OR THICKNESS		VELOCITY	RIPRAP	PIPE END SECTION	REINF. STEEL	CONNECT TO STRUCTURE NO.	REMARKS	
								meters	SKREW	COVER	UP				DOWN	STEEL*							ALUM.*
											STREAM				STREAM	ELEV.							ELEV.
9	LINE "B"				900			64													14	Twin Pipes - Remove Headwall in Place	
10	18+280	X					Manhole in Place (San.)																Adjust Casting to Grade
11	18+284		X				Manhole in Place (San.)																Adjust Casting to Grade
12	18+292		X				Inlet Type B-15	15															
13	18+309		X				Catch basin Type C-15	4															
14	18+319	X			900		Sp'l. M.H. W/Type 4 Casting	96															
15	18+341.1	X			300	12"	Inlet Type B-15	19.5	4A														
16	18+341.1	X			300	12"	Catch basin Type C-15	17	5S														
17	18+360.5	X			300	12"	Manhole Type C-4	3	10'														
18	18+362	X			900		Sp'l. Manhole W/Type 4	11															
19	18+363	X			900			4															
20	18+370	X			750		Inlet in Place	7															
21	18+370	X					Manhole in Place (Storm)																
22	18+450	X			300	12"	Inlet Type B-15	19.5	4A														
23	18+450	X			300	12"	Catch basin Type C-15	2	4.5'														
24	18+450	X			750	30"	Manhole Type D-4	80	24"														
25	18+455	X			300	12"	Inlet Type B-15	4	13'														
26	18+455	X			300	12"	Inlet Type B-15	4	13'														
27	18+590	X			300	12"	Inlet Type B-15	19.5	4A														
28	18+590	X			300	12"	Catch basin Type C-15	2	4.5'														
29	18+590	X			750	30"	Manhole Type D-4	140	45"														
30	18+597	X			300	12"	Catch basin Type E-7	1.5	5'														
31	18+598	X			600	24"	Pipe	2	4.5'														
32	18+598	X			600	24"	Manhole Type D-4	28	91"														
33	18+598	X			750	30"	Manhole Type D-4	8	24"														
34	18+612	X			450	18"	Manhole Type C-4	14	44"														
35	18+614	X			300	12"	Catch basin Type E-7	1.5	5'														
36	18+621.2	X			300	12"	Catch basin Type B-15	9	24"														
37	18+621.2	X			300	12"	Catch basin Type B-15	22	72"														
38	18+671	X			300		Pipe	6															
39	18+704	X			300		Pipe	6															
40	18+740	X			300		Inlet Type B-15	19.5															
41	18+740	X			375		Catch basin Type C-15	2.5															
42	18+740	X			375		Manhole Type C-4	70															
43	18+810	X			300		Inlet Type B-15	19.5															
44	18+810	X			375		Catch basin Type C-15	2.5															
45	18+810	X			450		Manhole Type C-4	9															
46	18+819		X		750		Pipe	30															
47	18+819	X			750		Sp'l. M.H. W/Type 4 Casting	50															
48	18+831	X			300		Pipe	16															
49	18+860	X			300		Inlet Type B-15	19.5															
50	18+860	X			300		Catch basin Type C-15	8.5															
51	18+869	X			1050		Sp'l. Manhole W/Type 4	5.5															
52	18+910	X			375		Inlet Type B-15	19.5															
53	18+910	X			375		Catch basin Type C-15	2.5															
54	18+910	X			900		Sp'l. M.H. W/Type 4 Casting	41															
55	18+914	X			300		Inlet Type B-15	3.5															
56	18+914	X			300		Inlet Type B-15	3.5															

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Entry Date: 12/13/05
Entered by: SLM



STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE mm	GROUP	DESCRIPTION SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITH- IN EACH GROUP	LENGTH		FLOW LINE		CONCRETE CLASS "A"	"B" BORROW FOR STR. BACKFILL	METHOD	THICKNESS		VELOCITY	RIPRAP	PIPE END SECTION	REINF. STEEL	CONNECT TO STRUCTURE NO.	REMARKS	
								meters	SKREW	COVER	UP				DOWN	STEEL*							ALUM.*
											STREAM				STREAM	ELEV.							ELEV.
57	LINE "B"				900		Sp'l. Manhole W/Type 4	8															
58	18+918	X			450		Pipe	32															
59	18+923.5		X																				
60	18+975		X		300		Inlet Type B-15	23															
61	18+975	X			300		Catch basin Type C-15	2.5															
62	18+975	X			750		Sp'l. M.H. W/Type 4 Casting	57															
63	19+026	X			750		Manhole Type D-4	51															
64	19+080	X			300		Inlet Type B-15	26															
65	19+080	X			300		Catch basin Type C-15	2															
66	19+080	X			300		Manhole Type C-4	18.5															
67	19+220	X			300		Inlet Type B-15	19.5															
68	19+220	X			300		Inlet Type C-15	7															
69	19+220	X			300		Catch basin Type F-7	66															
70	19+285	X			300		Inlet Type B-15	19.5															
71	19+285	X			300		Catch basin Type C-15	2.5															
72	19+285	X			375		Manhole Type C-4	79															
73	19+364	X			300		Inlet Type C-15	19.5															
74	19+364	X			300		Catch basin Type C-15	2.5															
75	19+364	X			525		Manhole Type C-4	52															
76	19+368	X			300		Catch basin Type E-7	18															
77	19+416.3	X			300		Inlet Type B-15	18.5															
78	19+416.3	X			300		Catch basin Type C-15	2.5															
79	19+416.3	X			525		Manhole Type C-4	42															
80	19+458	X			525		Manhole Type C-4	67															
81	19+490	X					Manhole in Place (San.)																
82	19+525	X			300		Inlet Type B-15	18.5															
83	19+525	X			300		Catch basin Type C-15																
84	19+525	X			600		Manhole Type C-4	78															
85	19+590	X			300		Inlet Type B-15	11.5															
86	19+590	X			300		Inlet Type B-15	11.5															
87	19+602.7	X			300		Inlet Type C w/Neenah Casting	18.5															
88	19+602.7	X			300		Catch basin Type C-15																
89	19+602.7	X			600		Manhole Type C-4	102															
90	19+611	X					Manhole in Place (San.)																
91	19+705	X			300		Catch basin Type B-15	18.5															
92	19+705	X			300		Catch basin Type C-15	3															
93	19+705	X			750		Manhole Type D-4	75															
94	19+705	X			300		Catch basin Type E-7	3.5															
95	19+726	X					Manhole in Place (Tete.)																