

SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

August 15, 2008

To: Hamilton County Drainage Board

RE: Village of West Clay Drain, 131st Street – Towne Road to Ditch Road Reconstruction

Attached are petition, plans, and other information for the proposed reconstruction of the Village of West Clay Drain, for the 131st Street project from Towne Road to Ditch Road. The reconstruction was petitioned by the City of Carmel. During this construction several arms of the Village of West Clay Drain will be affected. Those changes are as follows:

Village of West Clay Drain

Village of West Clay Drain – Section 6003 and Commercial Area Arm: The project will place a new structure about 24 feet east of existing Str. 773 per the plans for Village of West Clay – Pettigru Drive, prepared by Schneider Engineering, having Job Number 1238-6001, and date of 3/01/05. This will provide a new outlet point for the roadway storm sewer system. Thus, no footage change will be made to the Village of West Clay – Section 6003 and Commercial Area Arm. This is shown on Sheet 6 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

Village of West Clay Drain – Section 5003 Arm: The project will replace the 117 feet of 18” RCP from Str. 800 to Str. 801 and to Str. 801A with 140 feet of 18” RCP and 28 feet of 12” RCP. The new drain begins at Str. 108A, then to Str. 108, then to Str. 106, and ending at the end section at Hornbeck Pond in Village of West Clay, on parcel 17-09-28-00-50-033.000, owned by Brenwick TND Communities, LLC. The project will place a new structure (Str. 20) about 98 feet east of existing Str. 643 per the plans for the Village of West Clay – Section 5003, prepared by Schneider Engineering, having Job Number 1238-5003, and date of 12/22/03. The project will also place a new structure (Str. 25) about 54 feet west of Str. 641 per the plans mentioned above. Then the 54 feet of 15” RCP between the new Str. 25 and Str. 641 will be replaced with 54 feet of 18” RCP. Also, the project will place a new structure (Str. 31) about 84 feet east of existing Str. 640 per the VOWC –Section 5003 plans. Thus, a net increase of 51 feet will be added to the Village of West Clay – Section 5003 Arm. This is shown on Sheets 7, 8, and 15 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

Village of West Clay Drain – Section 5001 Arm: The project will remove 10 feet of 12” RCP from Str. 640A to Str. 640B per the plans for Village of West Clay – Section 5001, prepared by Schneider Engineering, having Job Number 1238-5001, and date of 3/01/04. Thus, 10 feet will be removed from the Village of West Clay – Section 5001 Arm. This is shown on Sheet 8 of the plans prepared by Crossroad Engineers, PC., having City of Carmel project number 06-09, and dated April 1, 2008.

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Village of West Clay Drain – Section 10012 Arm: The project will remove 49 feet of 12” RCP from Str. A684 to Str. 713 per the plans for Village of West Clay – Section 10012, prepared by Schneider Engineering, having Job Number 1238-10012, and date of 11/30/04. The drain will be replaced with 49 feet of 12” RCP from Str. 45 to Str. 44 as shown on the road plans. Thus, no footage change will be made to the Village of West Clay – Section 10012 Arm. This is shown on Sheet 9 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

Village of West Clay Drain – Section 10006 Arm: The project will remove Str. A654 and 10 feet of 15” RCP, per the plans for Village of West Clay – Section 10006, prepared by Schneider Engineering, having Job Number 1238-10006, and date of 08/21/98. New Str. 51D will be placed in the curb line at the end of the pipe being removed. Thus, 10 feet will be removed from the Village of West Clay – Section 10006 Arm. This is shown on Sheet 10 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

Village of West Clay Drain – Section 9001 Arm: The project will place a new structure (Str. 51A) about 45 feet south of existing Str. 639, per the plans for Village of West Clay – Section 9001, prepared by Schneider Engineering, having Job Number 1238-9001, and date of 01/05/05. The 18 feet of 12” RCP south of the new Str. 51A to existing Str. 638 and 28 feet of 12” RCP from existing Str. 638 to existing Str. A654 will be removed. The drain will be replaced with 48 feet of 18” RCP from Str. 51A to Str. 54, 91 feet of 24” RCP from Str. 54 to Str. 56, 48 feet of 24” RCP from Str. 56 to Str. 55, and 52 feet of 24” RCP from Str. 55 to Str. 57A. The connection of the new drain back to Str. 57A (also known as Str. A652) will be on parcel 17-09-28-00-03-030.000, owned by Brenwick TND Communities, LLC. Also to be added to the drain is 197 feet of 12” RCP from Str. 56 to Str. 60, 63 feet of 12” RCP from Str. 60 to Str. 61A, and 115 feet of 12” RCP from Str. 61A to Str. 64B. Thus, a net increase of 568 feet will be added to the Village of West Clay – Section 9001 Arm. This is shown on Sheets 10 and 11 of the plans prepared by Crossroad Engineers, PC., having City of Carmel project number 06-09, and dated April 1, 2008.

Village of West Clay Drain – Section 10009 Arm: The project will remove 20 feet of 12” RCP from Str. A714 to Str. A713 and 65 feet of 12” RCP from Str. A713 to Str. A712, per the plans for Village of West Clay – Section 10009, prepared by Schneider Engineering, having Job Number 1238-10009, and date of 08/21/98. The drain will be replaced with 48 feet of 12” RCP from Str. 73 to Str. 72 per the road plans, 4 feet of 12” RCP from Str. 72 to Str. 71, and 40 feet of

15" RCP from Str. 71 to Mill Pond on parcel 17-09-28-00-05-012.000, owned by Brenwick TND Communities, LLC. Also to be added to the drain is 68 feet of 12" RCP from Str. 64A to Str. 64 per the road plans, 48 feet of 12" RCP from Str. 64 to Str. 63, 4 feet of 12" RCP from Str. 63 to Str 62, 205 feet of 12" RCP from Str. 62 to Str. 65, 24 feet of 12" RCP from Str. 67A to Str. 67, 48 feet of 12" RCP from Str. 67 to Str. 66, 4 feet of 12" RCP from Str. 66 to Str. 65, 203 feet of 15" RCP from Str. 65 to Str. 68, and 280 feet of 15" RCP from Str. 68 to Str. 71. Thus, a net increase of 891 feet will be added to the Village of West Clay – Section 10009 Arm. This is shown on Sheets 11 and 12 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

The road project will add 1,520 feet to the Village of West Clay Drain and all affected arms.

The cost of the reconstruction is to be paid by the City of Carmel.

The easements for the drain shall lie within the Right of Way and be measured at 20 feet per half from the centerline of the tile drain. The easement in the platted areas of Village of West Clay, are as shown on the secondary plats for Section 6003B (PC 4, slide 264), Section 5002 (PC 3, slide 709), Section 5001 (PC 3, slide 606), Section 10005 (PC 2, slide 297), Section 10006 (PC 2, slide 304), Section 15003 (PC 4, slide 94), Section 10009 (PC 2, slide 371), Section 9006A (PC 3, slide 290), Section 9001 (PC 3, slide 751), and Section 10012 (PC 3, slide 752), all as recorded in the office of the Hamilton County Recorder. The affected areas within the Village of West Clay are all in common areas that are owned by Brenwick TND Communities LLC. The common areas are designated as Drainage Easements. The easement for parcel 17-09-29-00-20-001.000, owned by Mark Boone and platted as Mulligan's Place (PC 1, slide 583), shall be the platted 15' Drainage and Utility Easement that is shown on the secondary plat. The easement for the non-platted parcels shall be measured at 15 feet from the centerline of the structure or tile as set out in IC 36-9-27-33. The parcels impacted by easement are as follows:

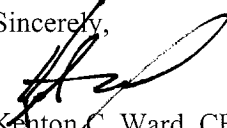
<u>Parcel</u>	<u>Owner</u>
17-09-28-00-00-017.001	Stephen & Robbin Schneider
17-09-28-00-00-018.000	Joseph Condes
17-09-28-00-00-019.000	Matthew & Penny Tom
17-09-28-00-00-020.000	Michael & Stephanie Corby
17-09-28-00-00-021.000	John & Tracy Wolfe

This project will not result in any changes to the assessment roll for the Village of West Clay Drain.

I believe that no damages will result to landowners by the reconstruction of this drain. Therefore, damages for all tracts shall be set at \$0.00.

I recommend the Board set a hearing for this proposed drain for November 24th, 2008.

Sincerely,


Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

**Gasb 34 Asset Price &
Drain Length Log**

Drain-Improvement: 131st St. Road Improvements (Towne Rd to Ditch Rd)

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	12"	905			\$7.25 lf	6561.25
RCP	15"	613			\$9.50lf	5823.50
RCP	18"	242			\$10.50lf	2541.00
RCP	24"	191			\$18.00lf	3438.00

Sum: 1951 \$18,363.75

Final Report: _____

Comments:
It should be noted that the Surveyor's Report calls out 1520 feet of additional drain for the watershed. However
This footage also reflects that pipe that replaced existing drain.

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: Village of West Clay Drain, Project No. 06-09)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

The City of Carmel (One Civic Square, Carmel, IN 46032) (hereinafter "Petitioner"),
hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a
section of the Village of West Clay Drain, and in support of
said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Village of West Clay
Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains,
sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and
reconstruction of a portion of the Village of West Clay Drain, as
specifically shown on engineering plans and specifications filed with the Hamilton
County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at
the sole expense of the Petitioner and such work will result in substantial improvement to
the Village of West Clay Drain, without cost to other property owners
on the watershed of the Village of West Clay Drain.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County
Drainage Board authorizing relocation and reconstruction of the Village of West Clay
Drain, in conformance with applicable law and plans and specifications on file with the Hamilton
County Surveyor.

M. T. McBride
Signed

MICHAEL T. McBRIDE
Printed

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

*Village of West Clay Drain,
131st Street - Towne Road to Ditch Road Reconstruction*

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Village of West Clay Drain, 131st Street - Towne Road to Ditch Road Reconstruction** on **November 24, 2008**, at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed 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: Lynette Mosbaugh

ONE TIME ONLY

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF **Village of West Clay Drain, 131st Street -
Towne Road to Ditch Road Reconstruction**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **November 24, 2008** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Steven A. Holt
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
*Village of West Clay Drain, 131st Street-Towne Road to Ditch Road
Reconstruction*

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Village of West Clay Drain, 131st Street-Towne Road to Ditch Road Reconstruction* came before the Hamilton County Drainage Board for hearing on *November 24, 2008*, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

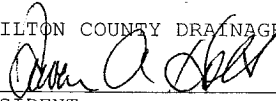
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the *Village of West Clay Drain, 131st Street-Towne Road to Ditch Road Reconstruction* be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD



PRESIDENT



Member



Member

ATTEST:


Executive Secretary

KCW



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Hamilton County

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Suite 188
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Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

April 25, 2012

Re: Village of West Clay Drain: 131st St. – Towne Rd to Ditch Rd Reconstruction

Attached are as-builts, certificate of completion & compliance, and other information for 131st St. – Towne Rd to Ditch Rd Reconstruction. 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 August 15, 2008. The report was approved by the Board at the hearing held November 24, 2008. (See Drainage Board Minutes Book 11, Pages 399-402) The changes are as follows:

Proposed Structure 34 was not installed. There was 990 feet of 12" RCP installed, 597 feet of 15" RCP installed, 232 feet of 18" RCP installed, and 179 feet of 24" RCP installed. The length of the drain due to the changes described above is now **1,998 feet**. It should be noted that 438 feet of existing drain was removed. Therefore, 1,560 feet of drain was added to the watersheds overall length.

Non-enforcements were not requested for this project. A surety was not posted as the project was paid for by the City of Carmel.

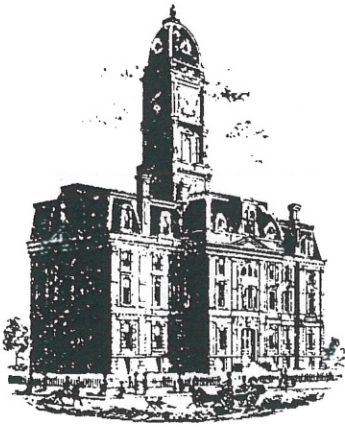
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

Emailed
Trent Newport
on 8-19-2011
Second email on
8-29-2011



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* Deleted
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3

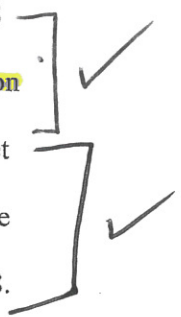
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The cost of the reconstruction is to be paid by the City of Carmel.

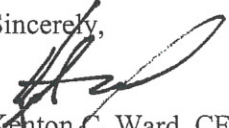
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I recommend the Board set a hearing for this proposed drain for November 24th, 2008.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

CITY OF CARMEL PROJECT NO. 06-09

131ST STREET ROAD IMPROVEMENTS TOWNE ROAD TO DITCH ROAD

ASBUILT PLANS

HONORABLE JAMES BRAINARD, MAYOR



OWNER
CITY OF CARMEL
ONE CIVIC SQUARE
CARMEL, INDIANA 46032
(317) 571-2400

TOPOGRAPHIC SURVEY BY:
CROSSROAD ENGINEERS
3417 SHERMAN DRIVE
BEECH GROVE, INDIANA 46107
(317) 780-1555

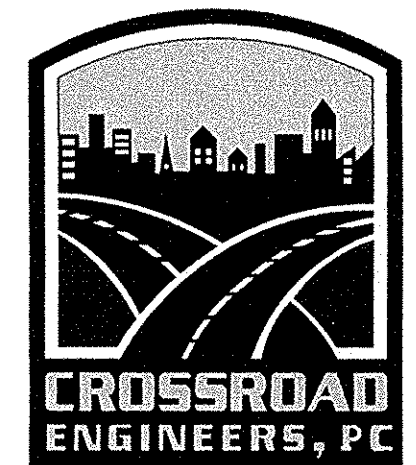
HOLEY MOLEY SAYS
"DON'T DIG BLIND"



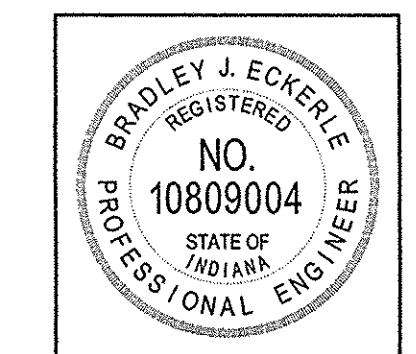
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE
1-800-382-5544

PER INDIANA STATE LAW IS-69-1991,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

PLANS PREPARED BY:



Transportation &
Development Consultants
3417 SHERMAN DR. BEECH GROVE, IN 46107 (317) 780-1555



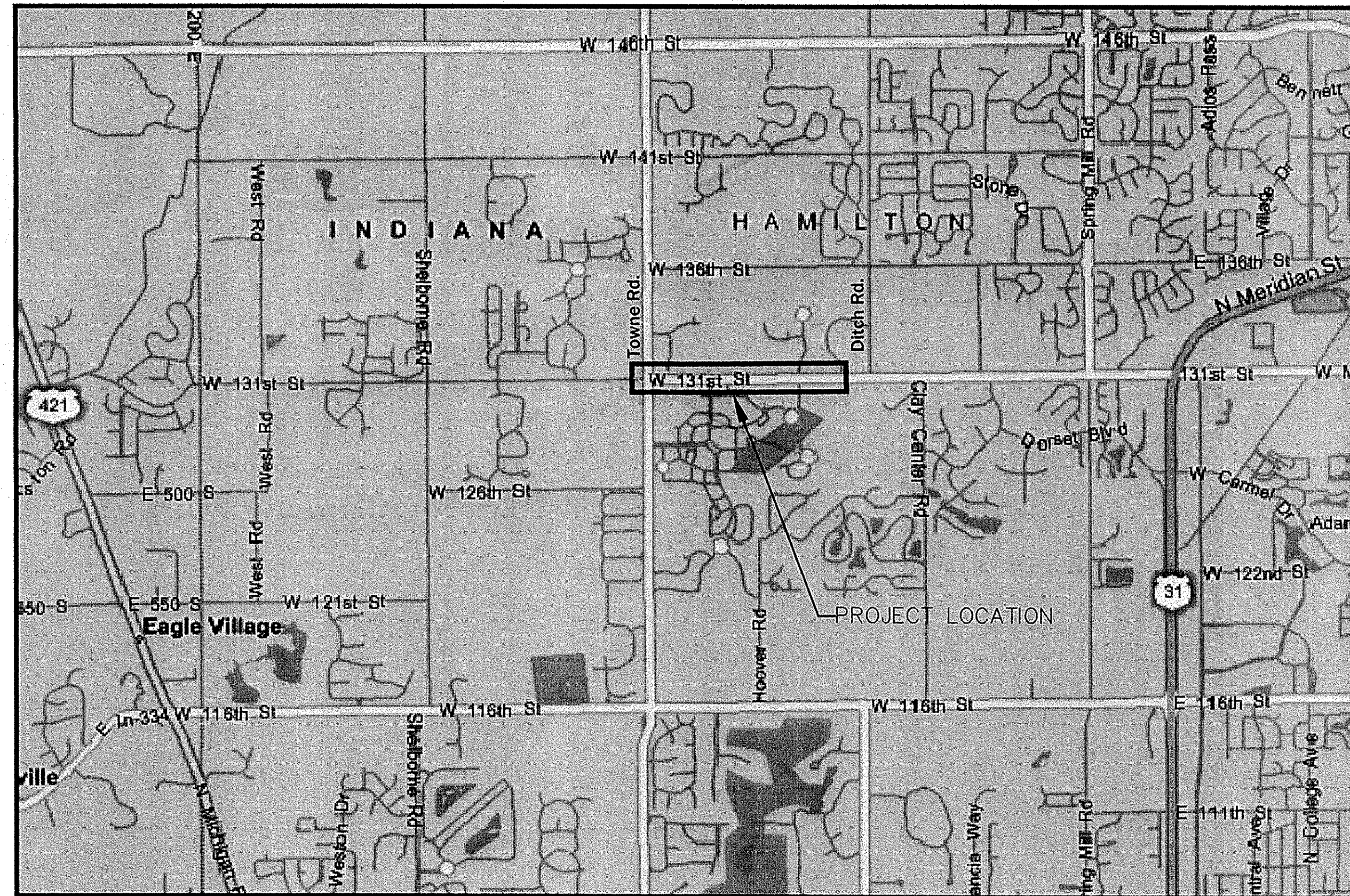
Bradley J. Eckerle 04-01-08
CERTIFIED BY DATE

DESIGNED: BE CHECKED: JV
DRAWN: TB CHECKED: BE

CONSTRUCTION
DOCUMENTS

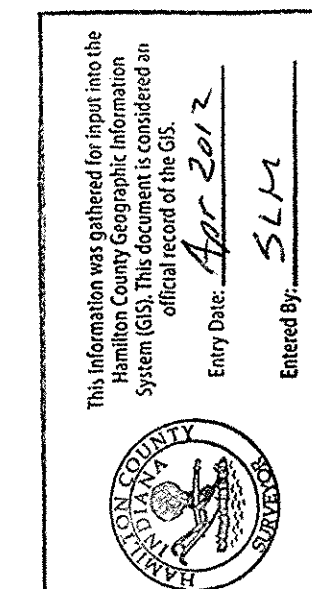
INDEX OF DRAWINGS	SHEET NO.
TITLE SHEET & INDEX	1
ROAD PLAN & PROFILES	6-16

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2008, INDOT
SUPPLEMENTAL SPECIFICATIONS.



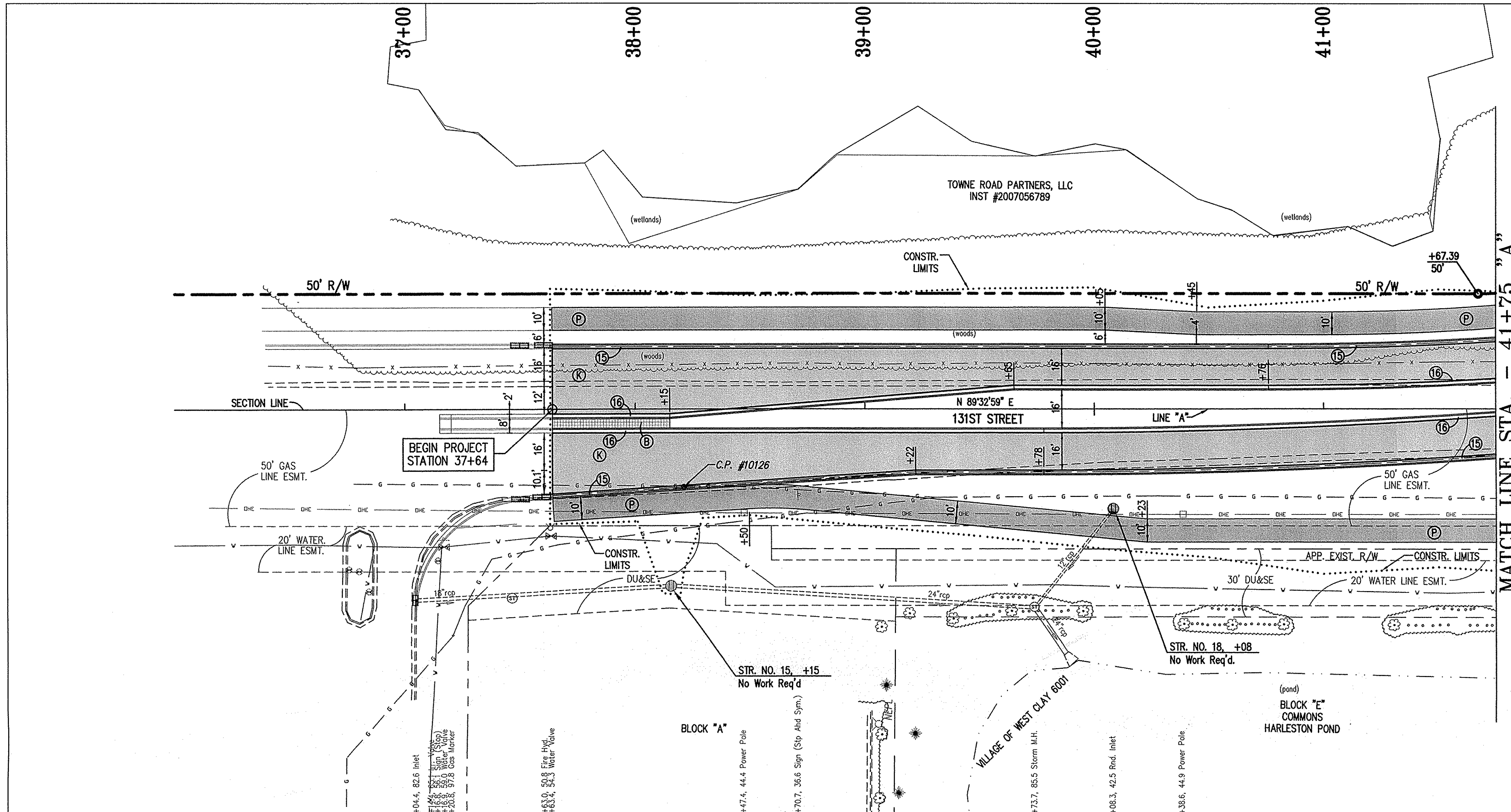
LOCATION MAP
NOT TO SCALE

PROJECT LETTING DATE: 04-25-2008



NO.	DATE	REVISIONS	BY	APPR.
1	4/21/08	ADDENDUM 1 ITEMS - SHEETS 7, 27, 44, 49, 64	B.E.	J.V.

PROJECT NO. 06-09 - 131ST STREET ROAD IMPROVEMENTS

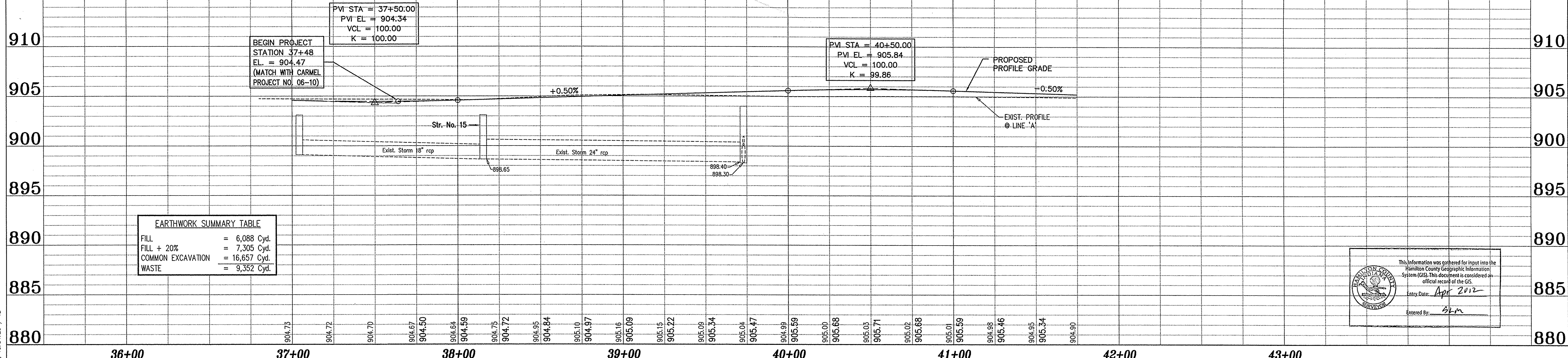


- PROPOSED**
- (A) COLORED & JOINTED CONC., 7"
 - (B) COLORED & JOINTED CONC., 4"
 - (C) PCCP FOR APPROACHES, 6"
 - (D) CONCRETE SIDEWALK, 4"
 - (E) CONC. CURB RAMP, TYPE 'C'
 - (F) CONC. CURB RAMP, TYPE 'G'
 - (G) CONC. CURB RAMP, TYPE 'H'
 - (H) CONC. CURB RAMP, TYPE 'L'
 - (I) CONC. CENTER CURB, TYPE 'D'
 - (J) BITUMINOUS PAVEMENT
 - (K) BITUMINOUS PAVEMENT (INCIDENTAL)
 - (L) ASPHALT PATH
 - (M) MILLING AND RESURFACE
 - (N) EQUIVALENT TO SURFACE IN PLACE
 - (O) PROTECT TREE
 - (P) BARRIER CURB AT TRUCK APRON
 - (Q) COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - (R) COMBINED CONC. CURB & GUTTER, TYPE III
 - (S) ROLL CURB, MODIFIED
 - (T) COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - (U) SODDING
 - (V) ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)
- EXISTING**
- (1) STORM INLETS
 - (2) STORM MANHOLE
 - (3) SANITARY MANHOLE
 - (4) SANITARY CLEANOUT
 - (5) GAS LINE
 - (6) GAS VALVE
 - (7) GAS METER
 - (8) WATER LINE
 - (9) WATER VALVE
 - (10) FIRE HYDRANT
 - (11) WATER METER
 - (12) SPRINKLER
 - (13) IRR. VALVE
 - (14) ELECTRIC LINE
 - (15) OVERHEAD ELECTRIC LINE
 - (16) ELECTRIC BOX
 - (17) POWER POLE / (RISER)
 - (18) LIGHT & POWER POLE
 - (19) MAILBOX
 - (20) LIGHT & POWER POLE W/RISER
 - (21) GUY WIRE
 - (22) LIGHT POLE
 - (23) FIBER OPTIC LINE
 - (24) TELEPHONE LINE
 - (25) TELEPHONE RISER
 - (26) TELEPHONE MANHOLE
 - (27) CABLE TV LINE
 - (28) CABLE TV BOX
 - (29) UTILITY MANHOLE
 - (30) WOOD FENCE
 - (31) WIRE FENCE
 - (32) CHAINLINK FENCE
 - (33) IRON FENCE
 - (34) IRON PIN
 - (35) SIGN
 - (36) FLAG POLE
 - (37) BUSH
 - (38) TREE
 - (39) TRUNK
 - (40) DECIDUOUS TREE
 - (41) CONIFEROUS TREE
- ASBUILT**
- (1) 6" UNDERDRAIN

ALL R/W AND TOPO FROM LINE "A"

TBM #37518
RR Spike ±1' up on Power Pole #838-6235 Located Apprx. 800' E of Towne Rd. on N side of 131st St. Station 51+69.94 "A", 17.72 Lt., Elev. = 904.13

BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989" About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929

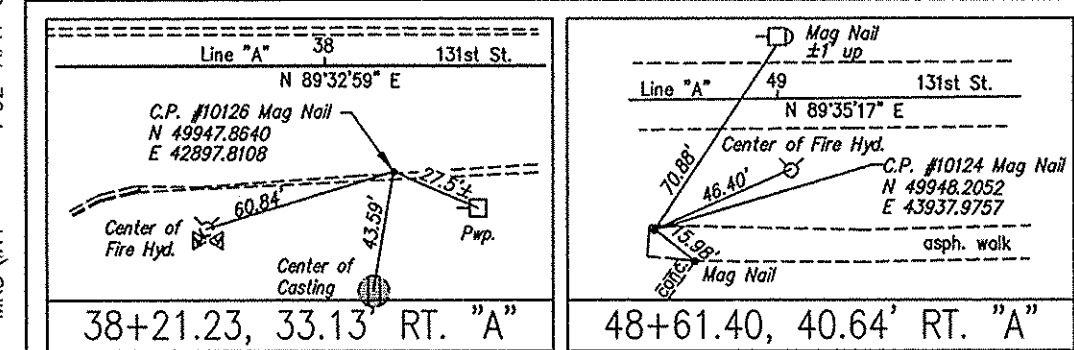


EARTHWORK SUMMARY TABLE

FILL	= 6,088 Cyd.
FILL + 20%	= 7,305 Cyd.
COMMON EXCAVATION	= 16,657 Cyd.
WASTE	= 9,352 Cyd.

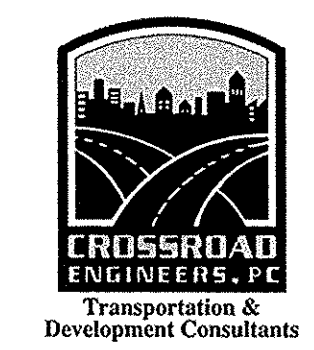
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Apr 2012
Entered By: skm

REFERENCES: MASTER PLAN, Legend, DIRECTORY PATH: R:\Active\Carmel\131st Street\TOWNE-DITCH\Coord PLANS\



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

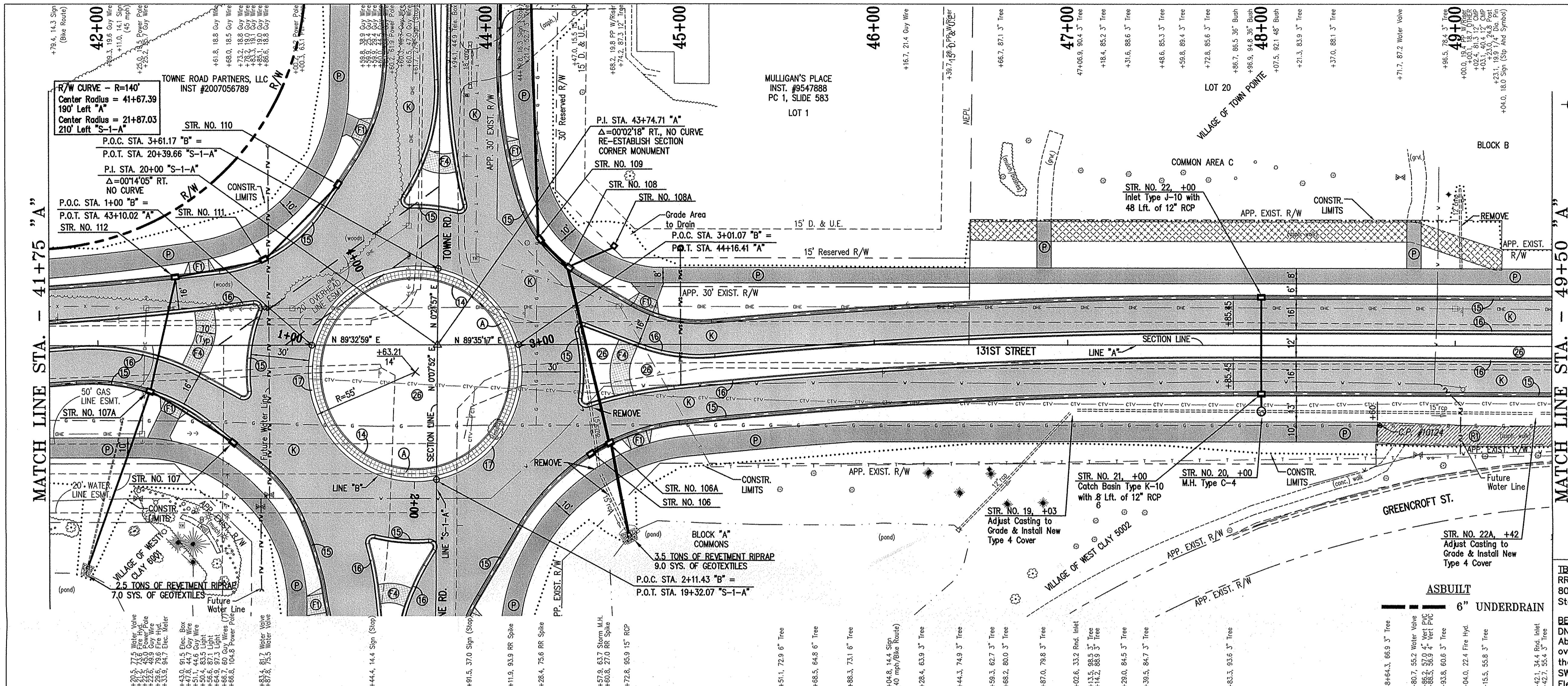
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CHECKED: _____ LAS
CHECKED: _____



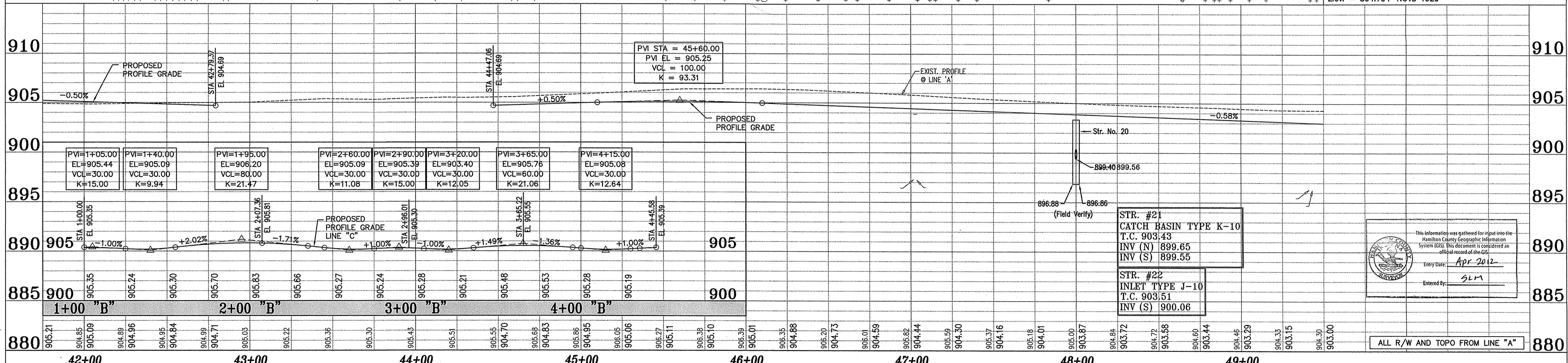
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: B.E.	DRAWN: T.B.	
CHECKED: J.V.	CHECKED: B.E.	

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	6 of 76
CONTRACT	PROJECT
	06-09



- LEGEND**
EXISTING
- STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS VALVE
 - GAS METER
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - IRR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - ELECTRIC METER
 - POWER POLE / (RISER)
 - LIGHT & POWER POLE
 - LIGHT & POWER POLE W/RISER
 - FIBER OPTIC LINE
 - TELEPHONE LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
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 - IRON PIN
 - SIGN
 - FLAG POLE
 - MAILBOX
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
- PROPOSED**
- (A) COLORED & JOINTED CONC., 7"
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 - (G) CONC. CURB RAMP, TYPE 'H'
 - (H) CONC. CURB RAMP, TYPE 'L'
 - (I) CONC. CENTER CURB, TYPE 'D'
 - (J) BITUMINOUS PAVEMENT
 - (K) BITUMINOUS PAVEMENT (INCIDENTAL)
 - (L) ASPHALT PATH
 - (M) MILLING AND RESURFACE
 - (N) EQUIVALENT TO SURFACE IN PLACE
 - (O) PROTECT TREE
 - (P) BARRIER CURB AT TRUCK APRON
 - (Q) COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - (R) COMBINED CONC. CURB & GUTTER, TYPE III
 - (S) ROLL CURB, MODIFIED
 - (T) COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - (U) SODDING
 - (V) ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)
- BENCHMARK**
DNR Control Station Tablet Stamped "HAM 61 1989"
About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road.
Elev. = 864.794' NGVD 1929

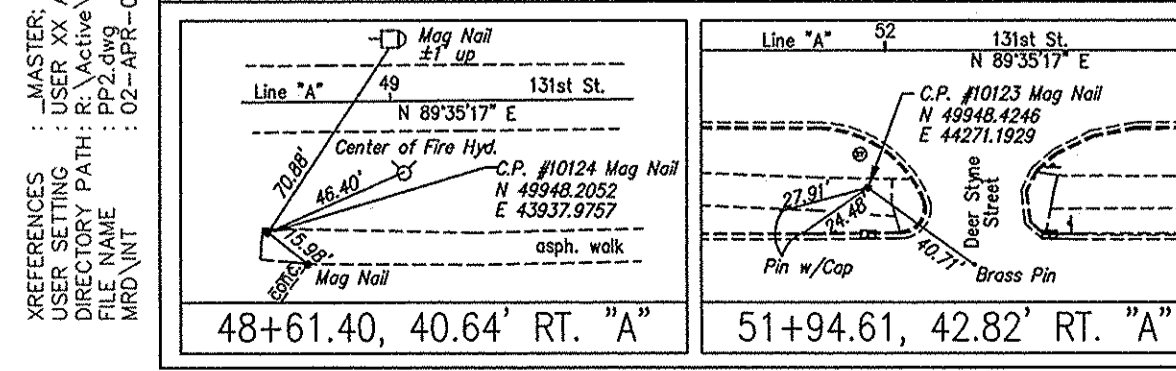


IBM #37518
RR Spike ±1' up on Power Pole #838-6235 Located Apprx. 800' E of Towne Rd. on N side of 131st St. Station 51+69.94 "A", 17.72 Lt., Elev. = 904.13

BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989"
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Elev. = 864.794' NGVD 1929

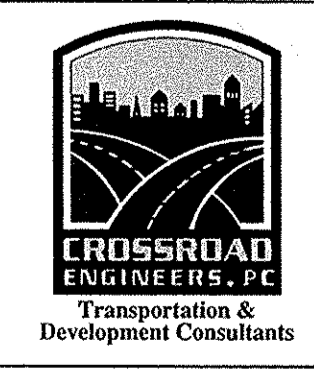
ALL R/W AND TOPO FROM LINE "A"

This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Apr 2012
Entered By: SLM



ASBUITS COMPLETED BY:
CrossRoad Engineers P.C.

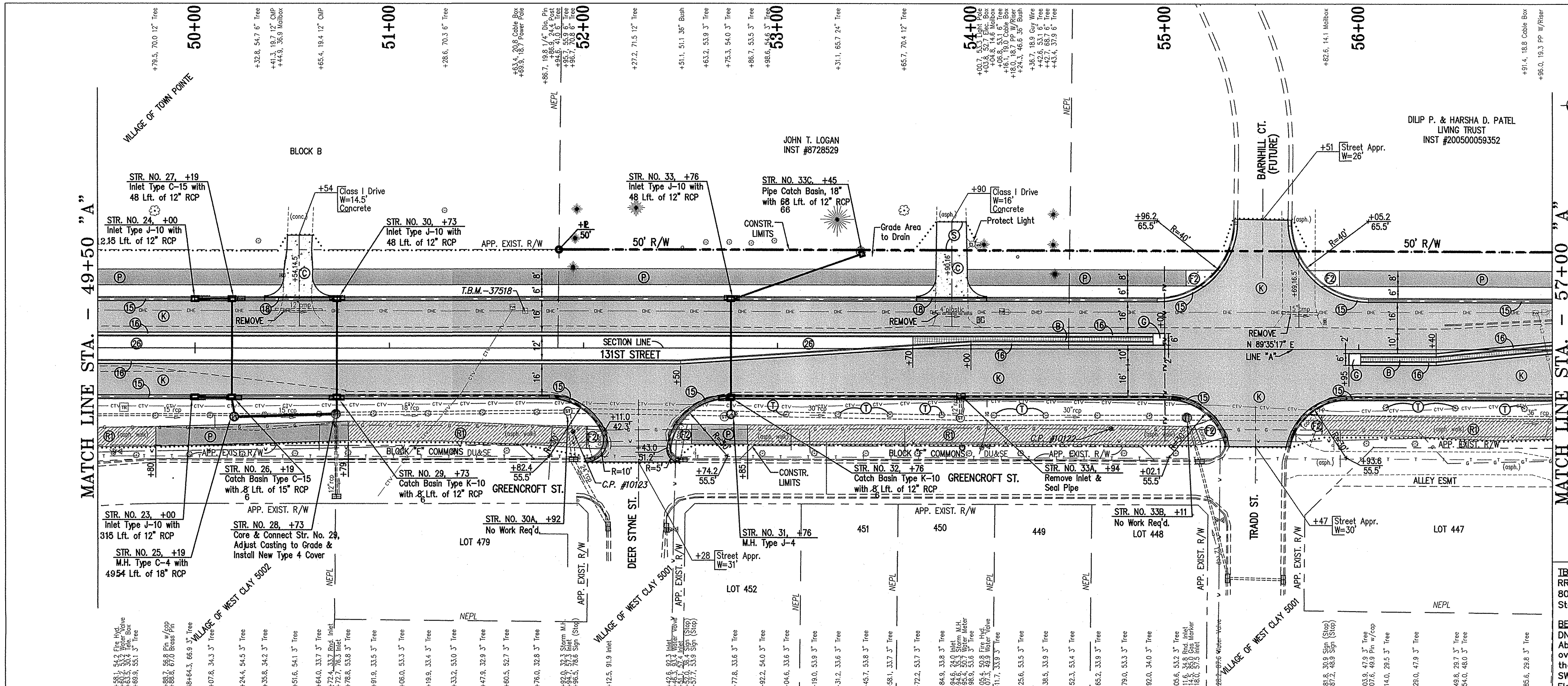
DRAWN: BTS
CHECKED: LAS
CHECKED:



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: B.E.	DRAWN: T.B.	
CHECKED: J.V.	CHECKED: B.E.	

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	7 of 76
CONTRACT	PROJECT
	06-09



LEGEND

EXISTING

- STORM INLETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- GAS VALVE
- GAS METER
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SPRINKLER
- IRR. VALVE
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- WIRE FENCE
- CHARLINK FENCE
- IRON FENCE
- IRON PIN
- SIGN
- FLAG POLE
- BUSH
- TREE TRUNK
- DECIDUOUS TREE
- CONIFEROUS TREE

PROPOSED

- COLORED & JOINTED CONC., 7"
- COLORED & JOINTED CONC., 4"
- PCOP FOR APPROACHES, 6"
- CONCRETE SIDEWALK, 4"
- CONC. CURB RAMP, TYPE 'C'
- CONC. CURB RAMP, TYPE 'G'
- CONC. CURB RAMP, TYPE 'H'
- CONC. CURB RAMP, TYPE 'L'
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- BITUMINOUS PAVEMENT
- BITUMINOUS PAVEMENT (INCIDENTAL)
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- ROLL CURB, MODIFIED
- COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
- SODDING
- ASPHALT REMOVAL

(See Typical Sheet for Additional Details)

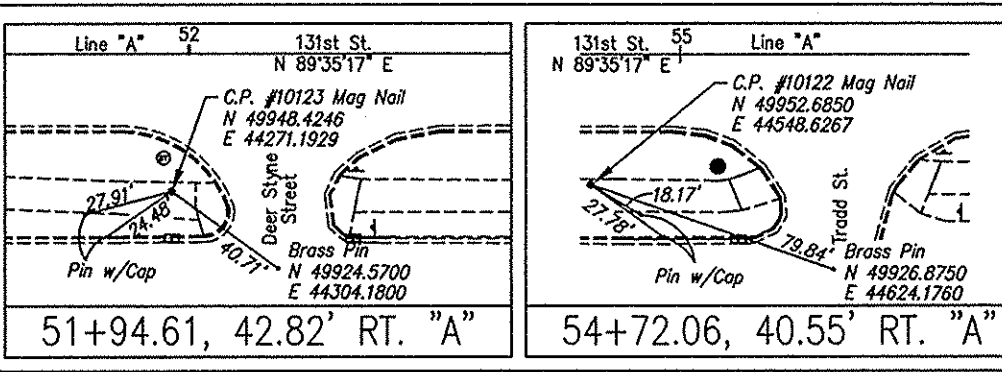
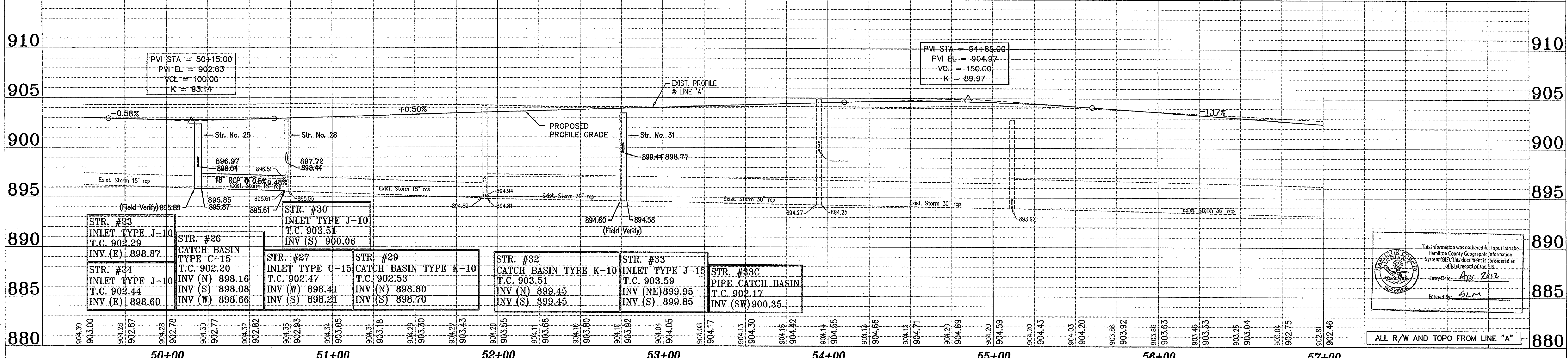
ASBUILT

- 6" UNDERDRAIN

MATCH LINE STA. - 57+00 "A"

IBM #37518
RR Spike ±1' up on Power Pole #638-6235 Located Apprx. 800' E of Towne Rd. on N side of 131st St. Station 51+69.94 "A", 17.72 Lt., Elev. = 904.13

BENCHMARK
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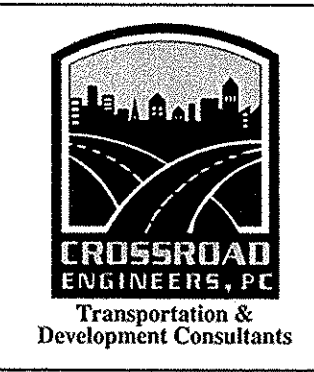


ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: _____ **BTS**

CHECKED: _____ **LAS**

CHECKED: _____



RECOMMENDED FOR APPROVAL

DESIGN ENGINEER: _____ DATE: _____

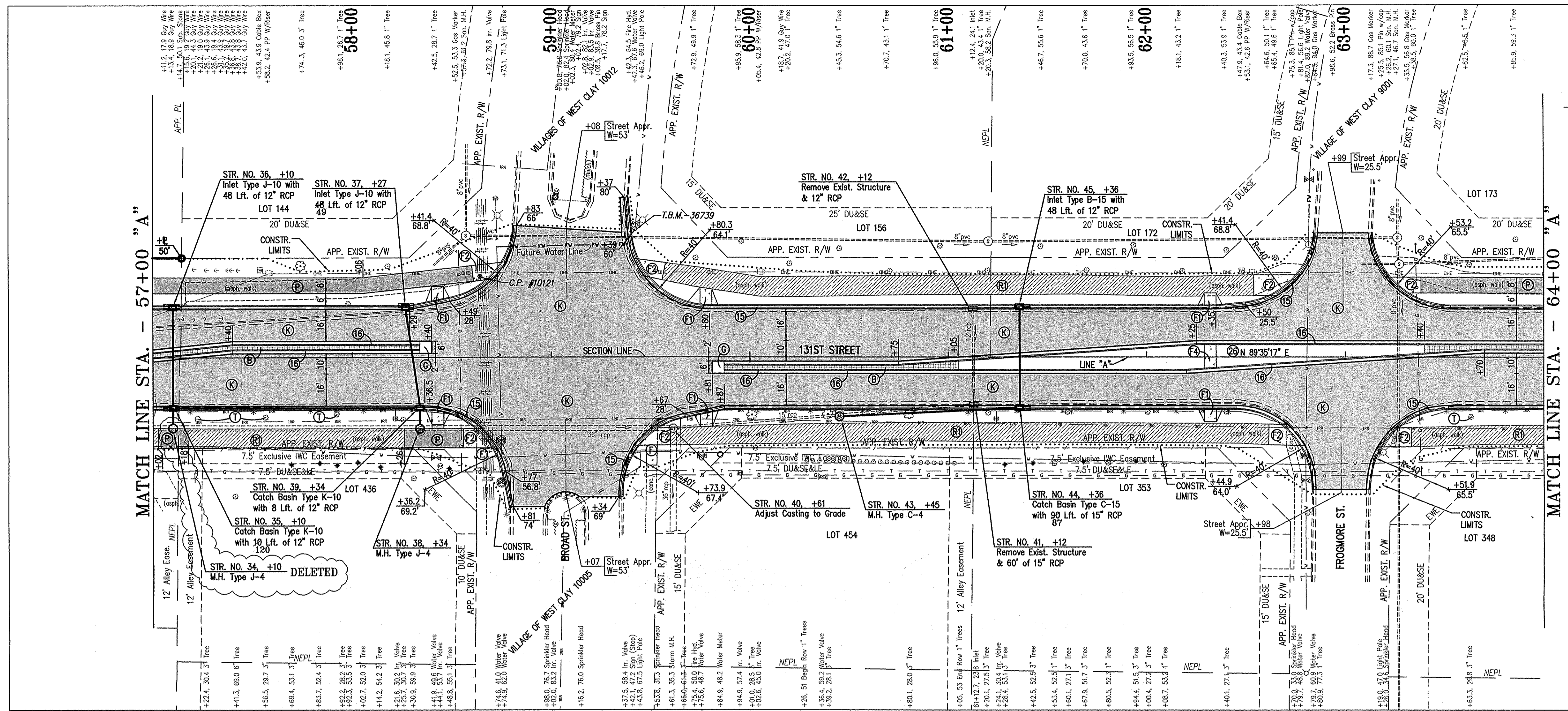
DESIGNED: B.E. DRAWN: T.B.

CHECKED: J.V. CHECKED: B.E.

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
LINE "A"

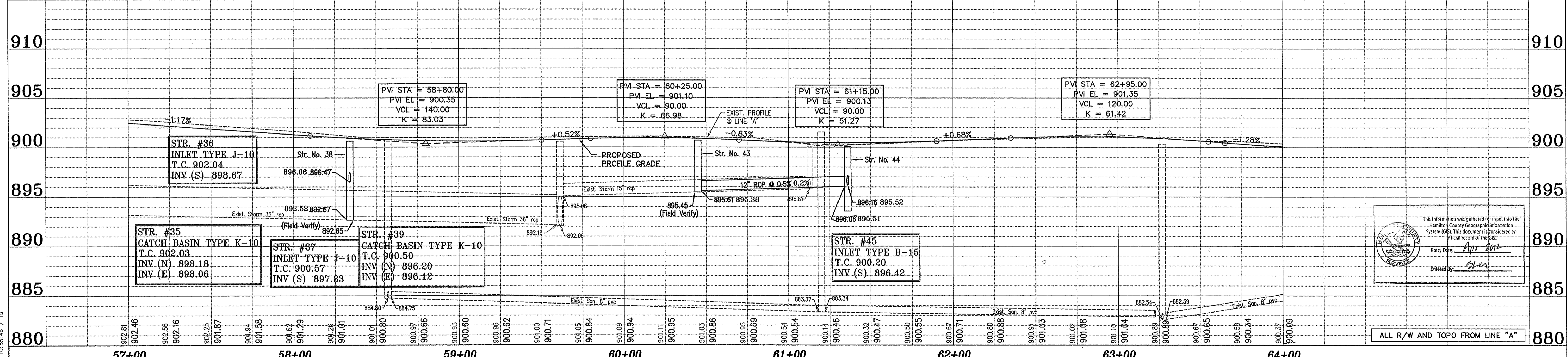
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	8 of 76
CONTRACT	PROJECT
	06-09



- LEGEND**
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - GAS METER
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - IRR. VALVE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / RISER
 - LIGHT & POWER POLE
 - MAILBOX
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 - FIBER OPTIC LINE
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 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PIN
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
- PROPOSED**
- ① COLORED & JOINTED CONC., 7"
 - ② COLORED & JOINTED CONC., 4"
 - ③ PCOP FOR APPROACHES, 6"
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 - ⑤ CONC. CURB RAMP, TYPE 'c'
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 - ⑦ CONC. CURB RAMP, TYPE 'h'
 - ⑧ CONC. CURB RAMP, TYPE 'l'
 - ⑨ CONC. CENTER CURB, TYPE 'D'
 - ⑩ BITUMINOUS PAVEMENT
 - ⑪ BITUMINOUS PAVEMENT (INCIDENTAL)
 - ⑫ ASPHALT PATH
 - ⑬ MILLING AND RESURFACE
 - ⑭ EQUIVALENT TO SURFACE IN PLACE
 - ⑮ PROTECT TREE
 - ⑯ BARRIER CURB AT TRUCK APRON
 - ⑰ COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - ⑱ COMBINED CONC. CURB & GUTTER, TYPE III
 - ⑲ ROLL CURB, MODIFIED
 - ⑳ COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - ㉑ SODDING
 - ㉒ ASPHALT REMOVAL
- ASBUILT**
- 6" UNDERDRAIN

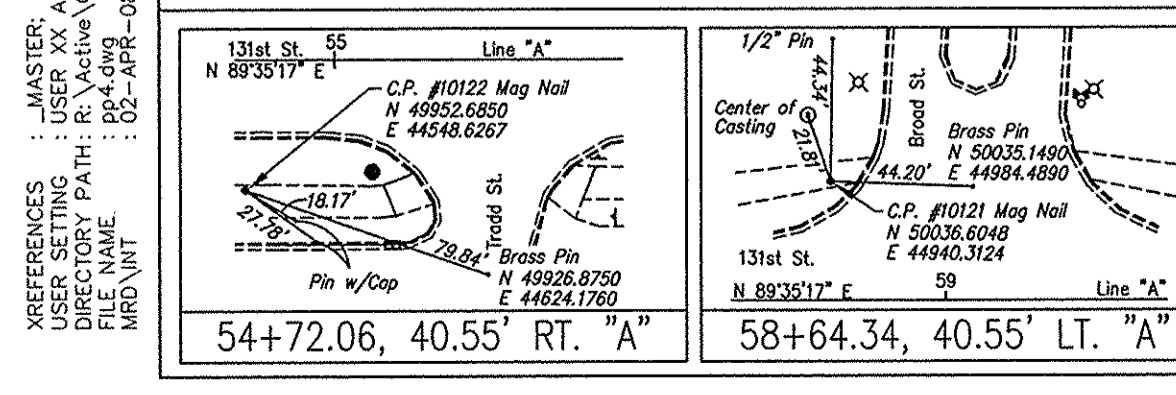
IBM #36739
 S SE Bolt on Fire Hydrant Located at the NE Quad. of Broad St. and 131st St.
 Station 59+42.46 "A", 63.98 Lt., Elev. = 902.48

BENCHMARK
 DNR Control Station Tablet Stamped "HAM 61 1989"
 About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road.
 Elev. = 864.794' NGVD 1929



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ALL R/W AND TOPO FROM LINE "A"



ASBUILTS COMPLETED BY:
 CrossRoad Engineers P.C.

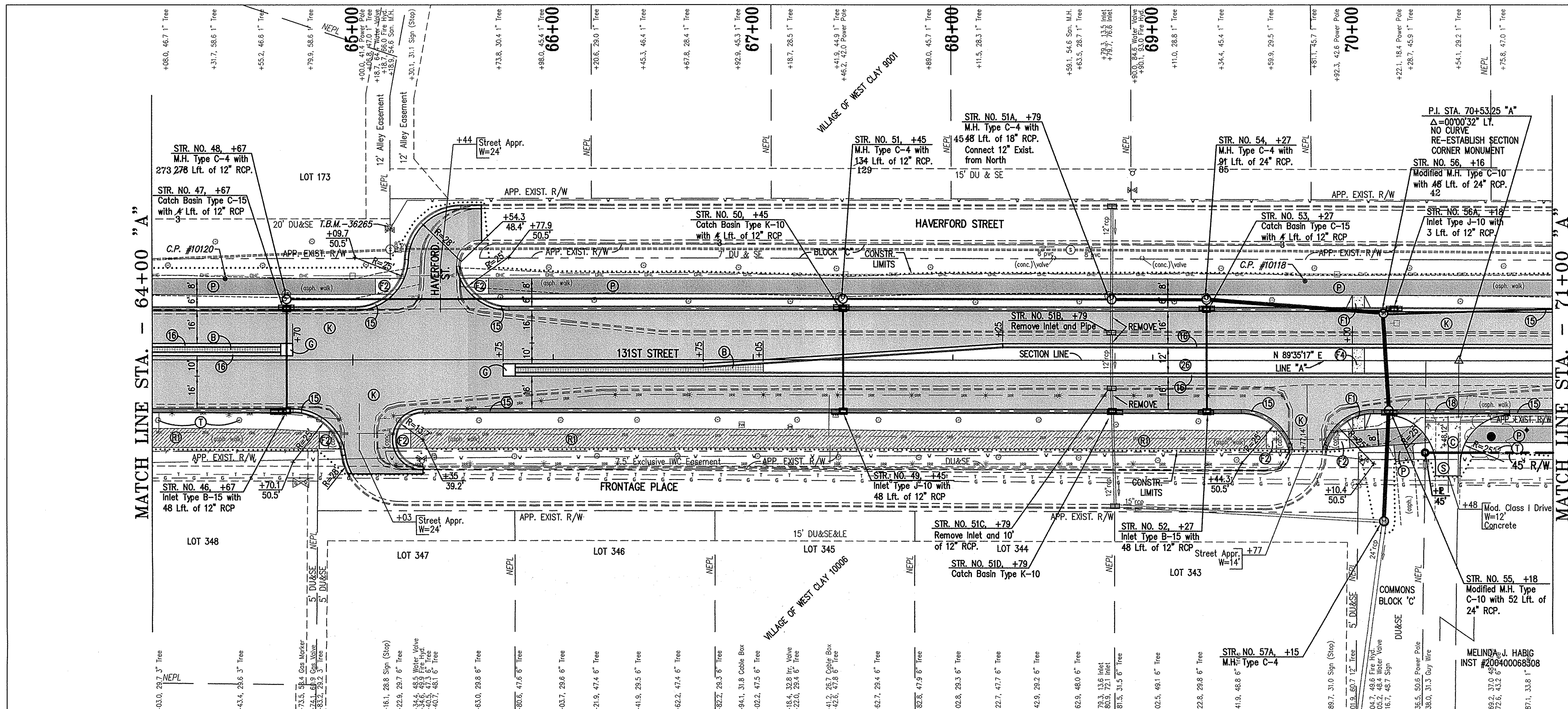
DRAWN: BTS
 CHECKED: LAS



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: B.E.	DRAWN: T.B.	
CHECKED: J.V.	CHECKED: B.E.	

CITY OF CARMEL
 131ST STREET
 TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	9 of 76
CONTRACT	PROJECT
	06-09



LEGEND

EXISTING

- STORM INLETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- GAS VALVE
- GAS METER
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- WATER VALVE
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- WATER METER
- SPRINKLER
- IRR. VALVE
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- ELECTRIC BOX
- POWER POLE / RISER
- LIGHT & POWER POLE
- MAILBOX
- GLY WIRE
- LIGHT POLE
- FIBER OPTIC LINE
- TELEPHONE LINE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- CABLE TV LINE
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- WOOD FENCE
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PROPOSED

- COLORED & JOINTED CONC., 7"
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- ROLL CURB, MODIFIED
- COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
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- ASPHALT REMOVAL

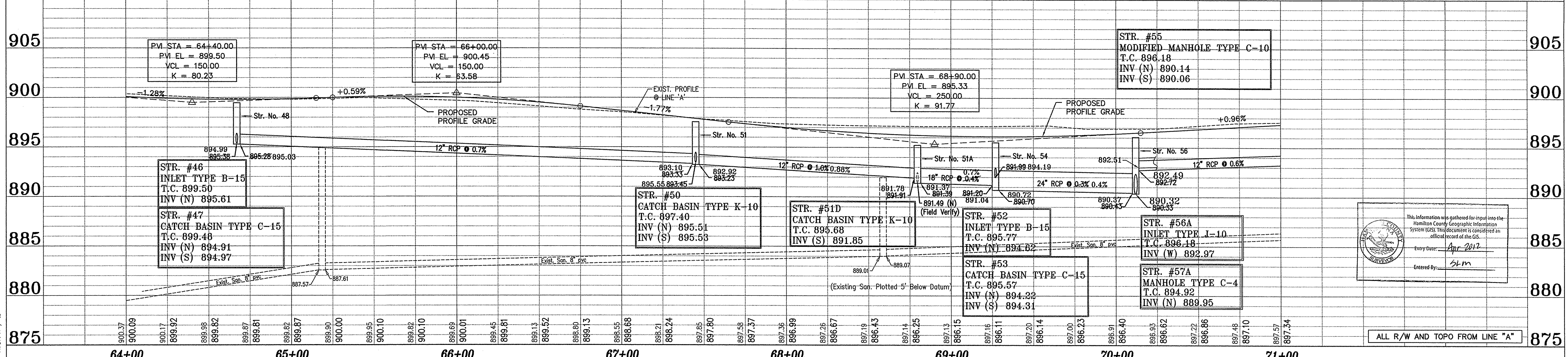
(See Typical Sheet for Additional Details)

ASBUILT

- 6" UNDERDRAIN

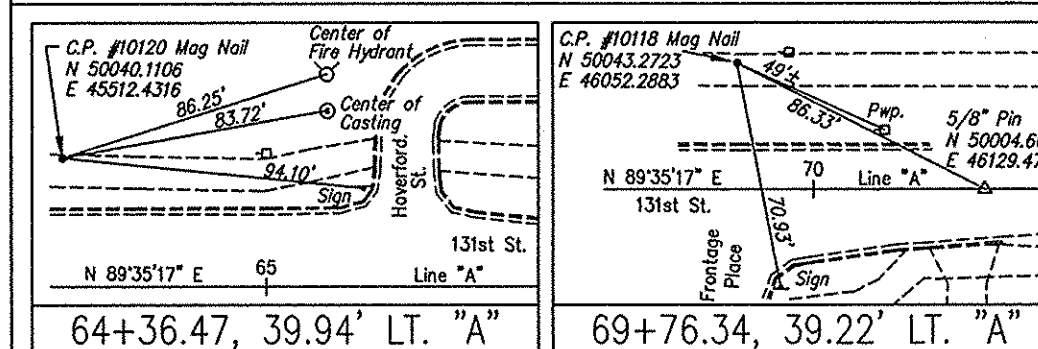
IBM #36265
 S SE Bolt of Fire Hydrant Located Apprx. 220' E of the CL of Frogmore St. & Apprx. 65' N of the CL of 131st St. Station 65+19.02 "A", 65.82 Lt. Elev. = 902.19

BENCHMARK
 DNR Control Station Tablet Stamped "HAM 61 1989"
 About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929



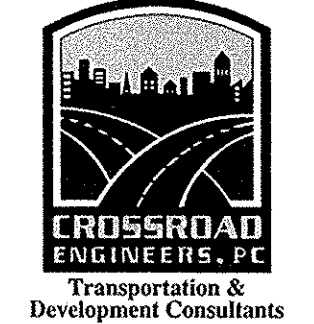
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: Apr 2012
 Entered By: [Signature]

REFERENCES : MASTER: TELK - Legend;
 USER SETTING: USER XX ALL
 DUCATION PATH: R:\Active\Comme\131st Street\TOWNE-DITCH\Coal\PLANS\131ST ST
 MBR: VNT : 02-24PR-08, 11:07:41 / b



ASBUILTS COMPLETED BY:
 CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS
CHECKED:

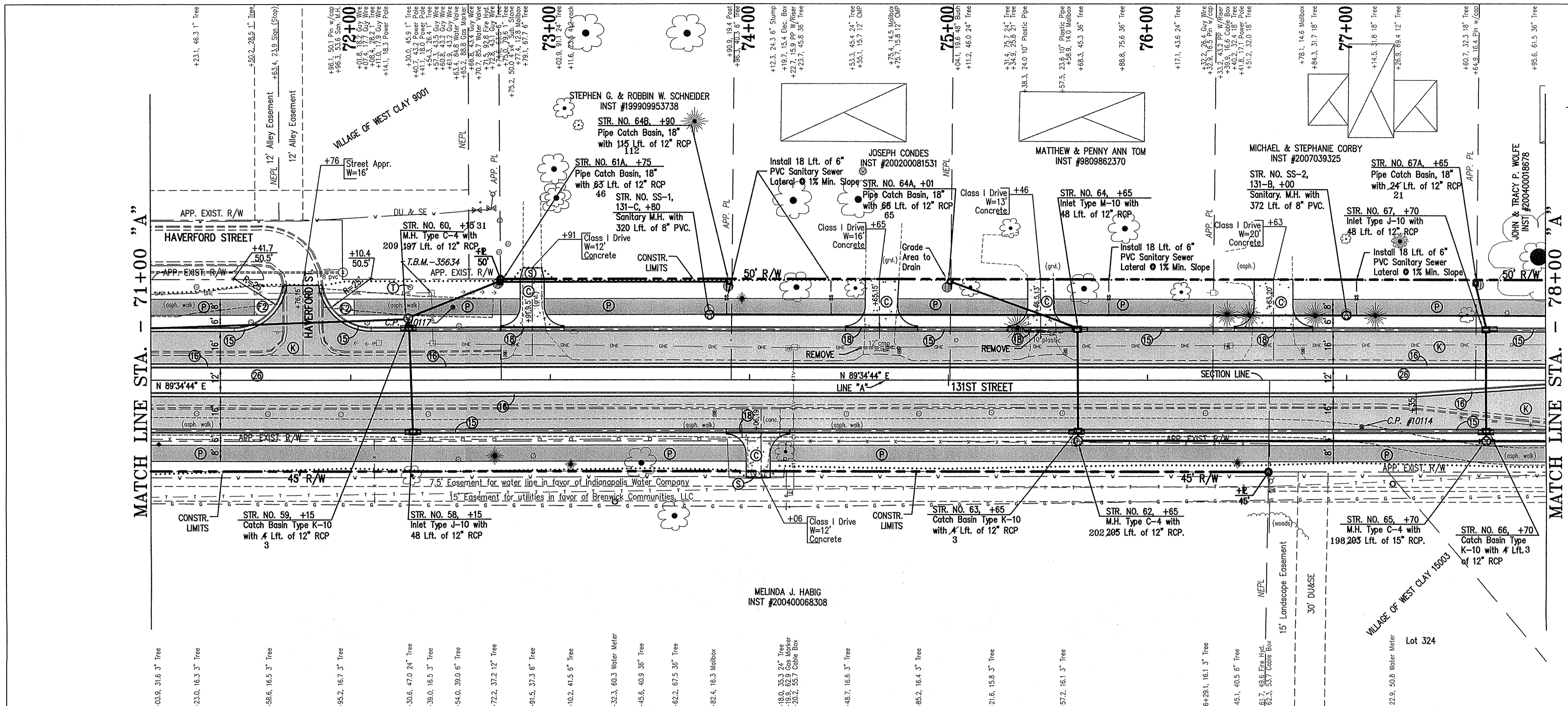


RECOMMENDED FOR APPROVAL

DESIGNED: B.E.	DRAWN: T.B.
CHECKED: J.V.	CHECKED: B.E.

CITY OF CARMEL
 131ST STREET
 TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

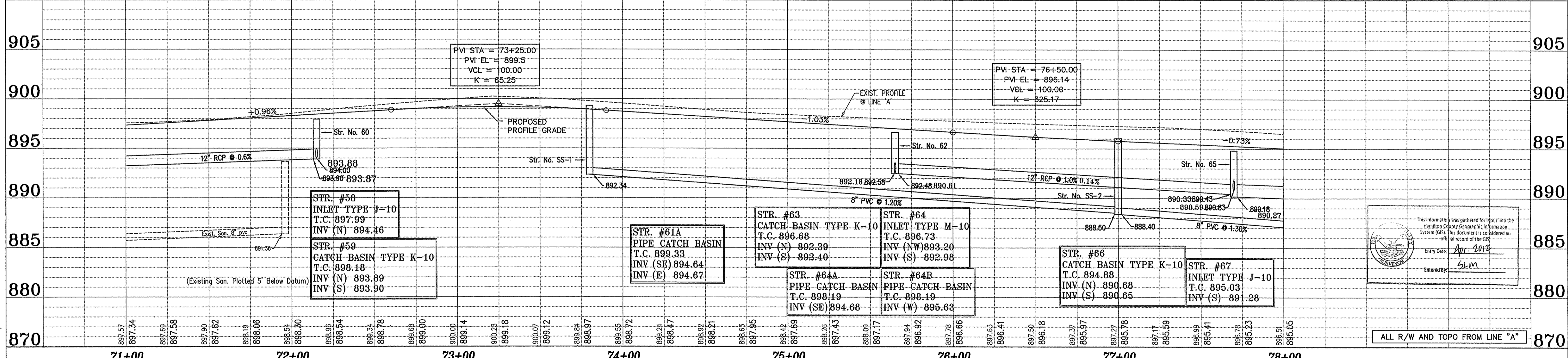
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	10 of 76
CONTRACT	PROJECT
	06-09



- ### LEGEND
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - WATER METER
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - MFR. VALVE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / (RISER)
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/RISER
 - CITY WIRE
 - LIGHT POLE
 - FIBER OPTIC LINE
 - TELEPHONE LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PIN
 - SIGN
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
- PROPOSED**
- Ⓐ COLORED & JOINTED CONC., 7"
 - Ⓑ COLORED & JOINTED CONC., 4"
 - Ⓒ PCOP FOR APPROACHES, 6"
 - Ⓓ CONCRETE SIDEWALK, 4"
 - Ⓔ CONC. CURB RAMP, TYPE 'C'
 - Ⓕ CONC. CURB RAMP, TYPE 'G'
 - Ⓖ CONC. CURB RAMP, TYPE 'H'
 - Ⓗ CONC. CURB RAMP, TYPE 'L'
 - Ⓘ CONC. CENTER CURB, TYPE 'D'
 - Ⓜ BITUMINOUS PAVEMENT
 - Ⓝ BITUMINOUS PAVEMENT (INCIDENTAL)
 - Ⓟ ASPHALT PATH
 - Ⓠ MILLING AND RESURFACE
 - Ⓡ EQUIVALENT TO SURFACE IN PLACE
 - Ⓢ PROTECT TREE
 - Ⓣ BARRIER CURB AT TRUCK APRON
 - Ⓤ COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - Ⓡ COMBINED CONC. CURB & GUTTER, TYPE III
 - Ⓦ ROLL CURB, MODIFIED
 - Ⓧ COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - Ⓨ SODDING
 - Ⓩ ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)
- ASBUILT**
- 6" UNDERDRAIN

TBM #35634
RR Spike ±1' up on Power Pole Located Approx. 800' West of the CL of Dumbarton & Approx. 43' N of CL of 131st St. Station 72+40.99 "A", 42.58 Lt., Elev. = 899.84

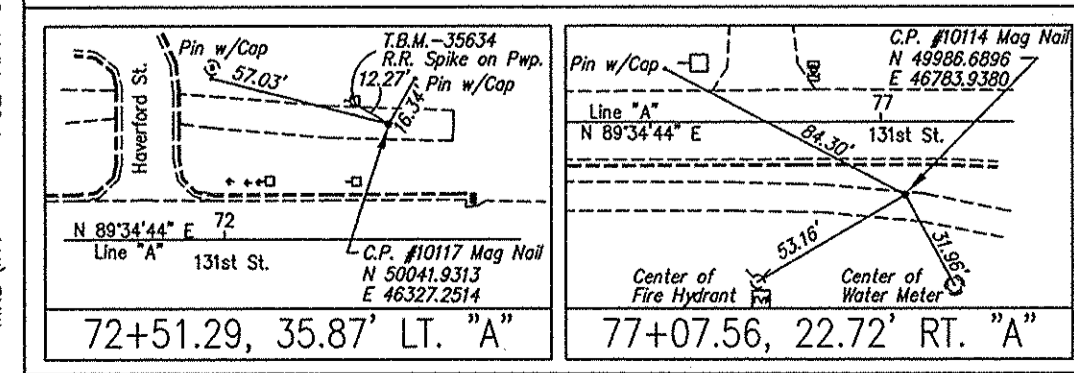
BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989" About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Apr 2012
Entered By: SLM

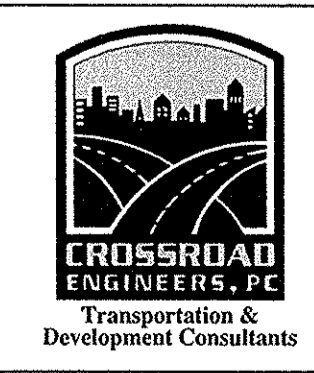
ALL R/W AND TOPO FROM LINE "A"

PROJECT: TBM #35634
 USER: J.A.L.
 DIRECTORY PATH: R:\Active\Comma\131st Street\131st Street\DWG\PLANS\PLANS
 FILE NAME: 02-24-08_11:15:11 / TB



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS
CHECKED:

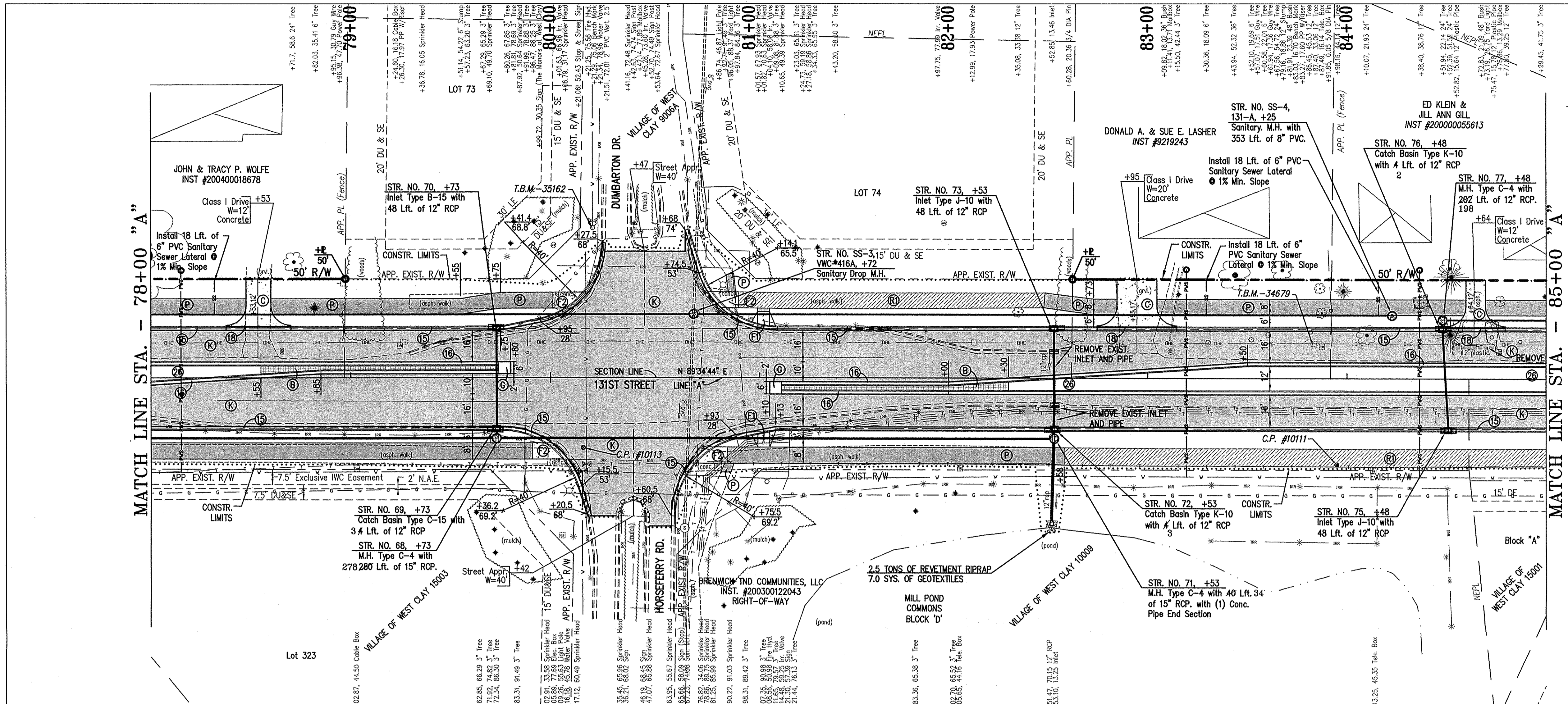


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: B.E.	DRAWN: T.B.	
CHECKED: J.V.	CHECKED: B.E.	

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	11 of 76
CONTRACT	PROJECT
	06-09



LEGEND

EXISTING

- STORM INLETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- GAS VALVE
- GAS METER
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SPRINKLER
- IRR. VALVE
- ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- ELECTRIC BOX
- POWER POLE / RISER
- LIGHT & POWER POLE
- MAILBOX
- GUY WIRE
- LIGHT POLE
- FIBER OPTIC LINE
- TELEPHONE LINE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- CABLE TV LINE
- CABLE TV BOX
- UTILITY MANHOLE
- WOOD FENCE
- WIRE FENCE
- CHAINLINK FENCE
- IRON FENCE
- SIGN
- FLAG POLE
- BUSH
- TREE TRUNK
- DECIDUOUS TREE
- CONIFEROUS TREE

PROPOSED

- ④ COLORED & JOINTED CONC., 7"
- ⑤ COLORED & JOINTED CONC., 4"
- ⑥ PCOP FOR APPROACHES, 6"
- ⑦ CONCRETE SIDEWALK, 4"
- ⑧ CONC. CURB RAMP, TYPE 'c'
- ⑨ CONC. CURB RAMP, TYPE 'g'
- ⑩ CONC. CURB RAMP, TYPE 'h'
- ⑪ CONC. CURB RAMP, TYPE 'l'
- ⑫ CONC. CENTER CURB, TYPE 'd'
- ⑬ BITUMINOUS PAVEMENT
- ⑭ BITUMINOUS PAVEMENT (INCIDENTAL)
- ⑮ ASPHALT PATH
- ⑯ MILLING AND RESURFACE
- ⑰ EQUIVALENT TO SURFACE IN PLACE
- ⑱ PROTECT TREE
- ⑲ BARRIER CURB AT TRUCK APRON
- ⑳ COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
- ㉑ COMBINED CONC. CURB & GUTTER, TYPE III
- ㉒ ROLL CURB, MODIFIED
- ㉓ COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
- ㉔ SODDING
- ㉕ ASPHALT REMOVAL

(See Typical Sheet for Additional Details)

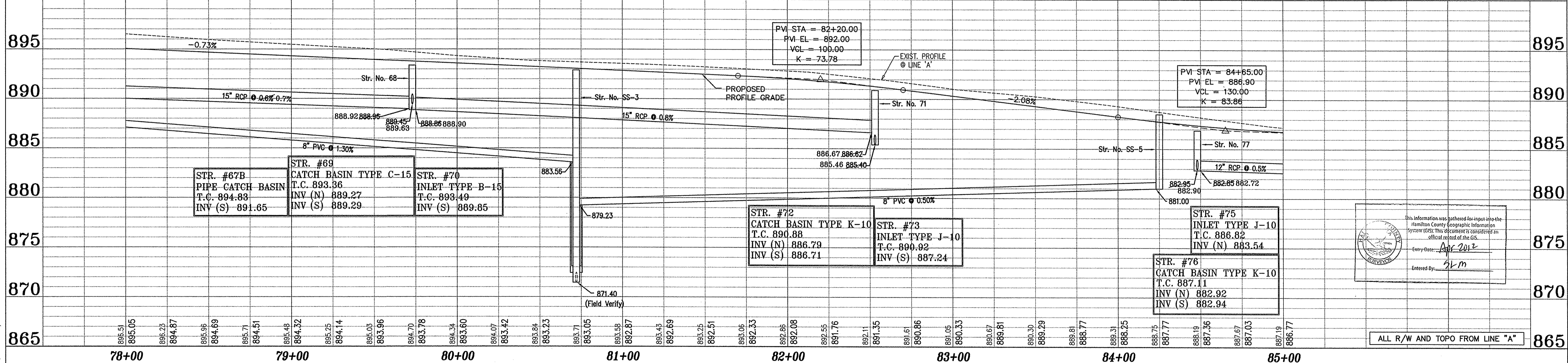
ASBUILT

—— 6" UNDERDRAIN

TBM #35162
S SE Bolt on Fire Hydrant Located at the NW Quadrant of Dumbarton and 131st St. Approx. 75' N of 131st St. CL Station 80+21.29 "A", 75.06 Lt., Elev. = 895.38

TBM #34679
RR Spike ±1' up on Power Pole Located Approx. 335' East of Dumbarton Dr. on 131st St. Station 83+83.03 "A", 16.70 Lt., Elev. = 889.47

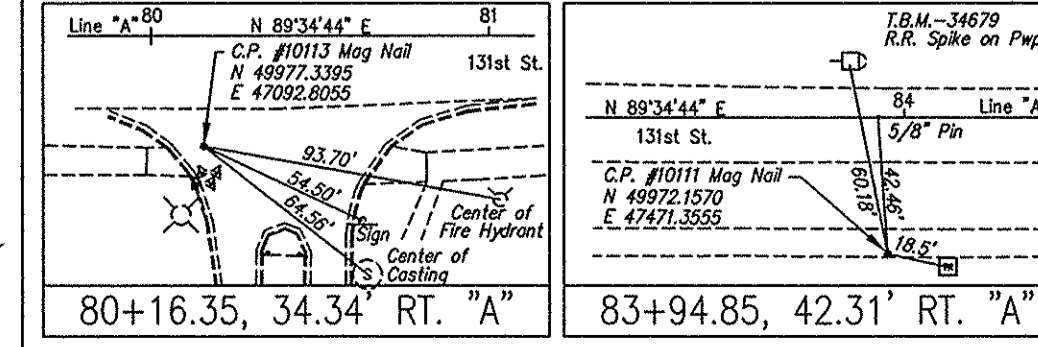
BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989" About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Apr 2012
Entered By: JLM

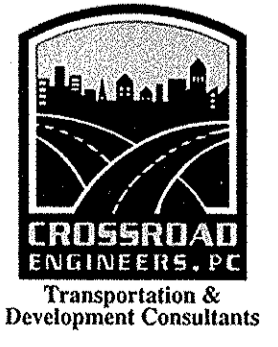
ALL R/W AND TOPO FROM LINE "A"

REFERENCES: MAYER, TBLK, Legend, TBLK-son, USER SETTINGS: USER XX ALL, USER SETTINGS: DIRECTORY PATH: R:\Active\Correl\131st Street\TOWNE-DITCH\Coord\PLANS\INFO\INT : 02-APP-08, 11:22:42 / b



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS
CHECKED:

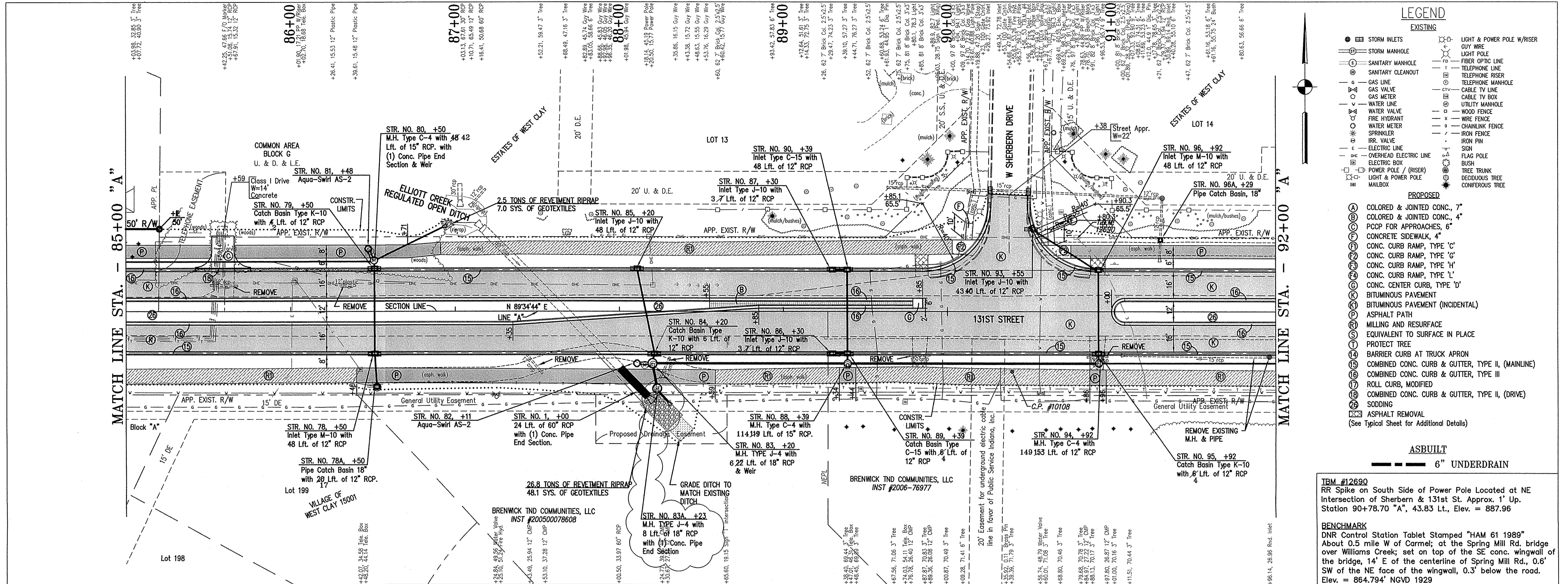


RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

DESIGNED: B.E. DRAWN: T.B.
CHECKED: J.V. CHECKED: B.E.

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

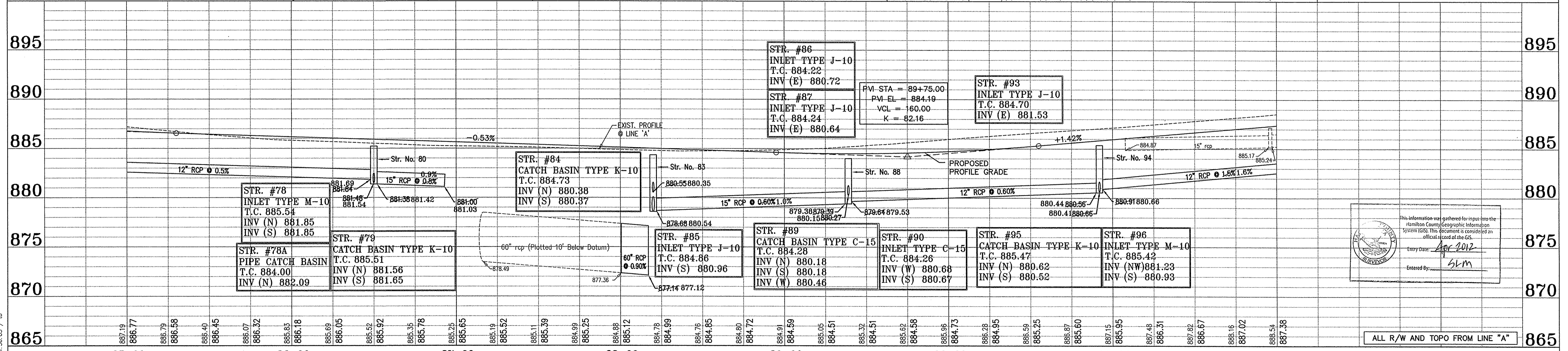
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	12 of 76
CONTRACT	PROJECT
	06-09



- LEGEND**
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - GAS METER
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - RR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / RISER
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/RISER
 - GUY WIRE
 - FIBER OPTIC LINE
 - TELEPHONE LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PIN
 - SION
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
- PROPOSED**
- COLORED & JOINTED CONC., 7"
 - COLORED & JOINTED CONC., 4"
 - PCOP FOR APPROACHES, 6"
 - CONCRETE SIDEWALK, 4"
 - CONC. CURB RAMP, TYPE 'C'
 - CONC. CURB RAMP, TYPE 'G'
 - CONC. CURB RAMP, TYPE 'H'
 - CONC. CURB RAMP, TYPE 'L'
 - CONC. CENTER CURB, TYPE 'D'
 - BITUMINOUS PAVEMENT
 - BITUMINOUS PAVEMENT (INCIDENTAL)
 - ASPHALT PATH
 - MILLING AND RESURFACE
 - EQUIVALENT TO SURFACE IN PLACE
 - PROTECT TREE
 - BARRIER CURB AT TRUCK APRON
 - COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - COMBINED CONC. CURB & GUTTER, TYPE III
 - ROLL CURB, MODIFIED
 - COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - SODDING
 - ASPHALT REMOVAL
- ASBUILT**
- 6" UNDERDRAIN

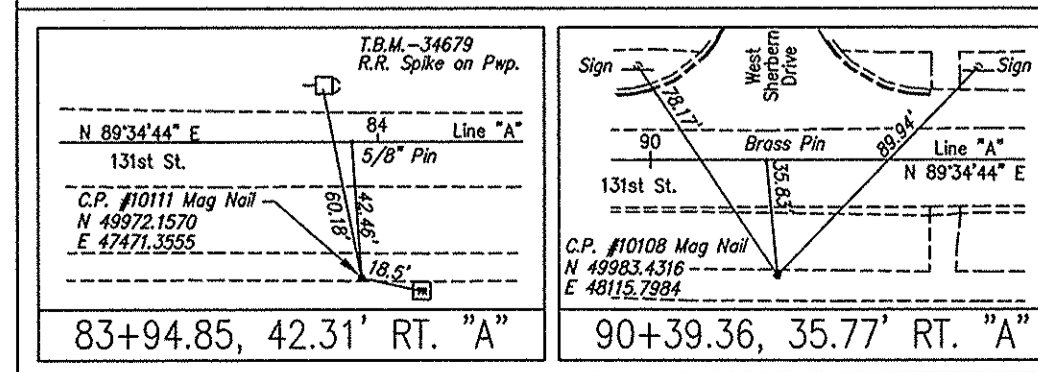
ITEM #12690
RR Spike on South Side of Power Pole Located at NE Intersection of Sherbern & 131st St. Approx. 1' Up. Station 90+78.70 "A", 43.83 Lt., Elev. = 887.96

BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989" About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: Apr 2012
Entered By: slm

REFERENCES: MASTER: blk_ _legend.dwg
USER SETTING: USER XX, ALL
DIRECTORY PATH: R:\Active\Corma\131st Street\TOWNE-DITCH\CON\PLANS\
FILE NAME: 1:05-SPR-08_11:38:05 / b



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS

CROSSROAD ENGINEERS, P.C.
Transportation & Development Consultants

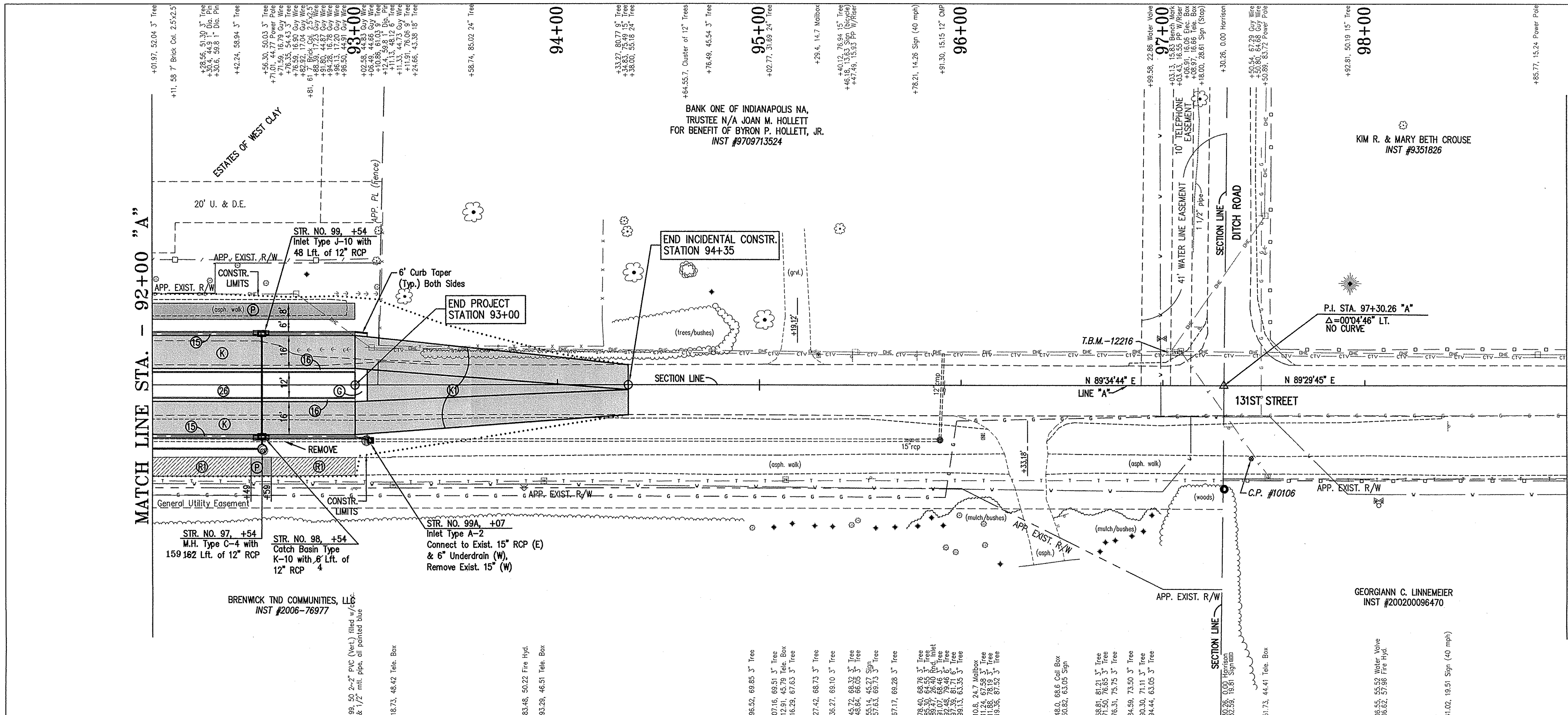
RECOMMENDED FOR APPROVAL

DESIGNED: B.E. DRAWN: T.B.
CHECKED: J.V. CHECKED: B.E.

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
LINE "A"

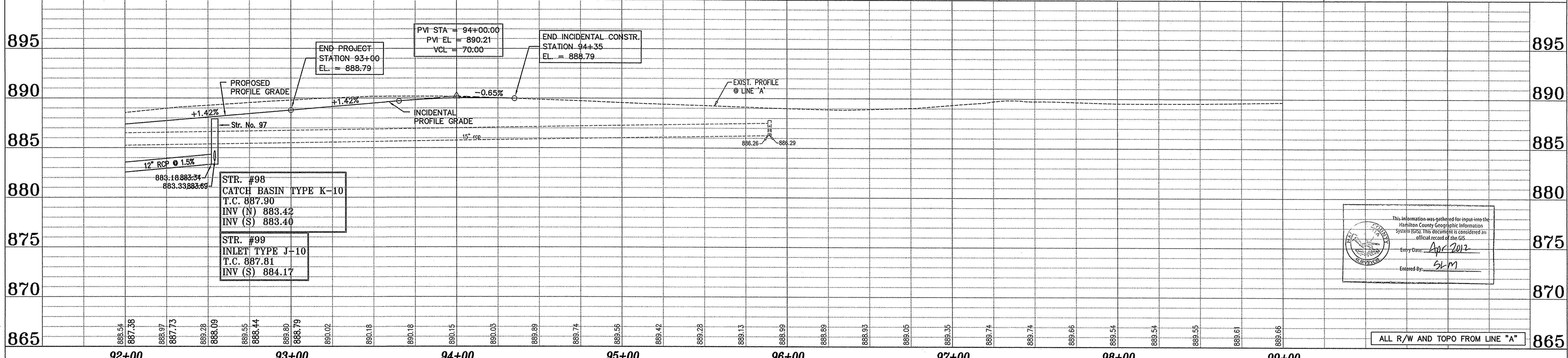
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	13 of 76
CONTRACT	PROJECT
	06-09



- ### LEGEND
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - GAS METER
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - IRR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / (RISER)
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/RISER
 - QUI WIRE
 - FIBER OPTIC LINE
 - TELEPHONE LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PIN
 - SIGN
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
- PROPOSED**
- (A) COLORED & JOINTED CONC., 7"
 - (B) COLORED & JOINTED CONC., 4"
 - (C) PCOP FOR APPROACHES, 6"
 - (D) CONCRETE SIDEWALK, 4"
 - (E) CONC. CURB RAMP, TYPE 'C'
 - (F) CONC. CURB RAMP, TYPE 'G'
 - (G) CONC. CURB RAMP, TYPE 'H'
 - (H) CONC. CURB RAMP, TYPE 'L'
 - (I) CONC. CENTER CURB, TYPE 'D'
 - (J) BITUMINOUS PAVEMENT
 - (K) BITUMINOUS PAVEMENT (INCIDENTAL)
 - (L) ASPHALT PATH
 - (M) MILLING AND RESURFACE
 - (N) EQUIVALENT TO SURFACE IN PLACE
 - (O) PROTECT TREE
 - (P) BARRIER CURB AT TRUCK APRON
 - (Q) COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - (R) COMBINED CONC. CURB & GUTTER, TYPE III
 - (S) ROLL CURB, MODIFIED
 - (T) COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - (U) SODDING
 - (V) ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)
- ASBUILT**
- 6" UNDERDRAIN

IBM #12680
RR Spike on South Side of Power Pole Located at NE Intersection of Sherman & 131st St. Approx. 1' Up, Station 90+78.70 "A", 43.83 Lt., Elev. = 887.96

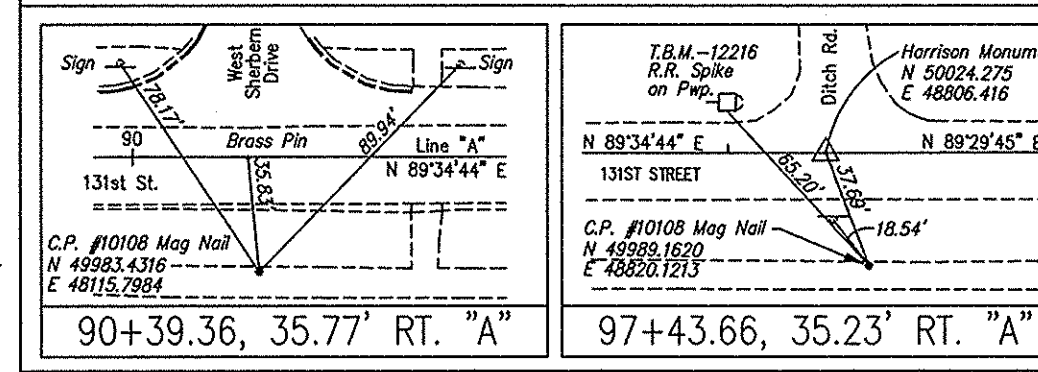
BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989" About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge over Williams Creek; set on top of the SE conc. wingwall of the bridge, 14' E of the centerline of Spring Mill Rd., 0.6' SW of the NE face of the wingwall, 0.3' below the road. Elev. = 864.794' NGVD 1929



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: April 2012
Entered By: SLM

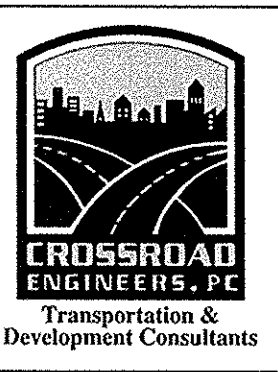
ALL R/W AND TOPO FROM LINE "A"

REFERENCES: MAPS: TBC, Jsgand; USER SETTINGS: USER XX ALL; DIRECTORY PATH: R:\Active\Comma\131st Street\TOWNE-DITCH\Coord\PLANS; DATE: 02-27-08, 11:39:10 / TB



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS
CHECKED: LAS

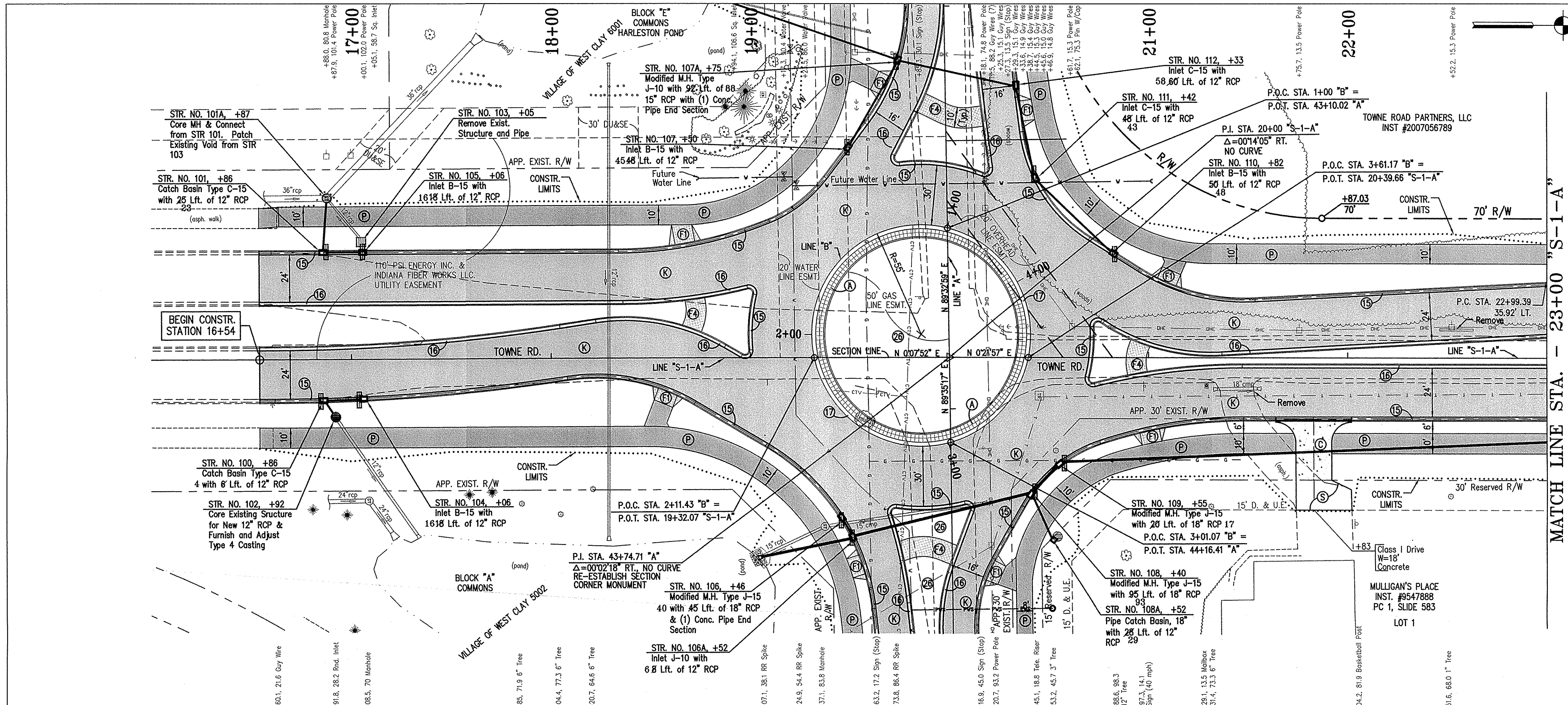


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: B.E.	DRAWN: T.B.	
CHECKED: J.V.	CHECKED: B.E.	

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	14 of 76
CONTRACT	PROJECT
	06-09



LEGEND

EXISTING

- STORM INLETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- GAS VALVE
- GAS METER
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SPRINKLER
- IRR. VALVE
- ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- ELECTRIC BOX
- POWER POLE / (RISER)
- LIGHT & POWER POLE
- MAILBOX
- LIGHT & POWER POLE W/RISER
- GUY WIRE
- LIGHT POLE
- FIBER OPTIC LINE
- TELEPHONE LINE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- CABLE TV LINE
- CABLE TV BOX
- UTILITY MANHOLE
- WOOD FENCE
- WIRE FENCE
- CHAINLINK FENCE
- IRON FENCE
- IRON PIN
- SIGN
- FLAG POLE
- BUSH
- TREE TRUNK
- DECIDUOUS TREE
- CONIFEROUS TREE

PROPOSED

- COLORED & JOINTED CONC., 7"
- COLORED & JOINTED CONC., 4"
- PCCP FOR APPROACHES, 6"
- CONCRETE SIDEWALK, 4"
- CONC. CURB RAMP, TYPE 'C'
- CONC. CURB RAMP, TYPE 'G'
- CONC. CURB RAMP, TYPE 'H'
- CONC. CURB RAMP, TYPE 'L'
- CONC. CENTER CURB, TYPE 'D'
- BITUMINOUS PAVEMENT
- BITUMINOUS PAVEMENT (INCIDENTAL)
- ASPHALT PATH
- MILLING AND RESURFACE
- EQUIVALENT TO SURFACE IN PLACE
- PROTECT TREE
- BARRIER CURB AT TRUCK APRON
- COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
- COMBINED CONC. CURB & GUTTER, TYPE III
- ROLL CURB, MODIFIED
- COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
- SODDING
- ASPHALT REMOVAL

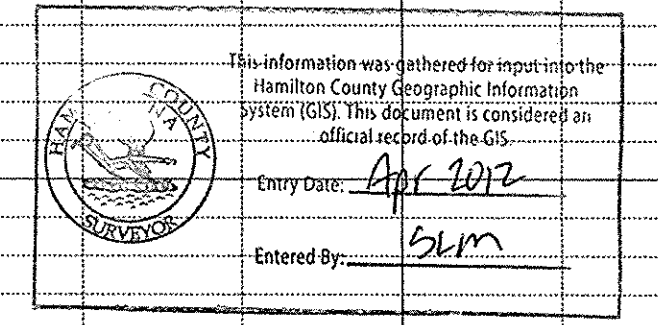
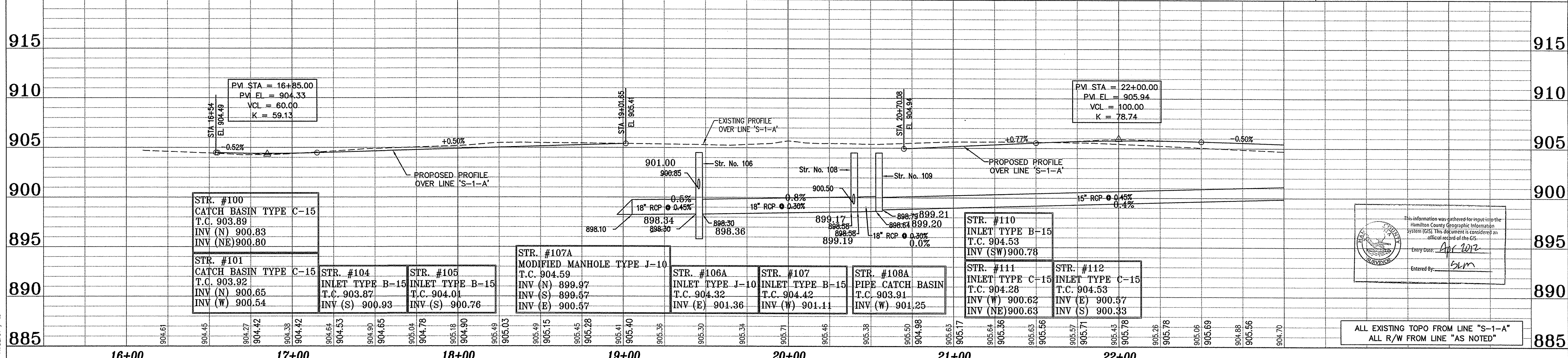
(See Typical Sheet for Additional Details)

ASBUILT

6" UNDERDRAIN

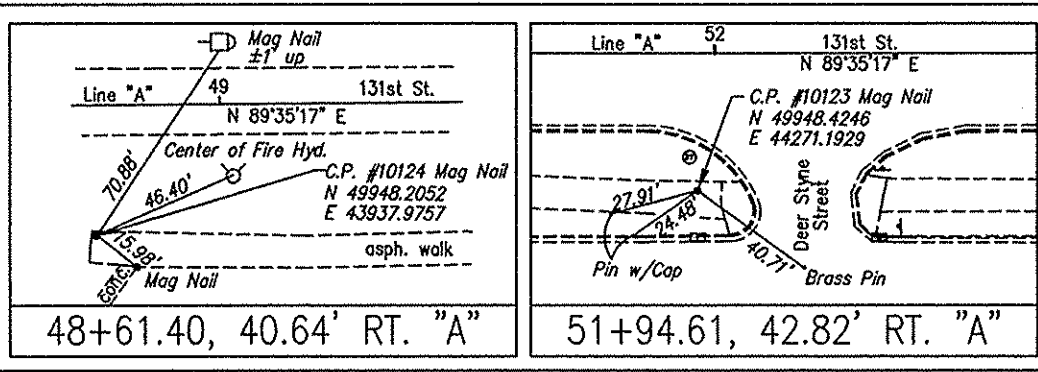
TBM #2
 RR Spike ±1' up on South Side Power Pole# 838 6213
 Located on the N Side of 131st St. about 600' E of Ditch Rd.
 Station 103+32.95 "A", 113.48 Lt., Elev. = 885.79

BENCHMARK
 DNR Control Station Tablet Stamped "HAM 61 1989"
 About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge
 over Williams Creek; set on top of the SE conc. wingwall of
 the bridge, 14' E of the centerline of Spring Mill Rd., 0.6'
 SW of the NE face of the wingwall, 0.3' below the road.
 Elev. = 864.794' NGVD 1929



ALL EXISTING TOPO FROM LINE "S-1-A"
 ALL R/W FROM LINE "AS NOTED"

REFERENCES: TOWN OF CARMEL, INDIANA
 TOWN ENGINEER: JAMES W. BROWN, III
 TOWN SUPERVISOR: JAMES W. BROWN, III
 DIRECTOR OF PUBLIC WORKS: JAMES W. BROWN, III
 PROJECT NO.: 02-146-028, 11:52:01 / 15



ASBUILTS COMPLETED BY:
 CrossRoad Engineers P.C.

DRAWN: BTS
 CHECKED: LAS
 CHECKED:



RECOMMENDED FOR APPROVAL

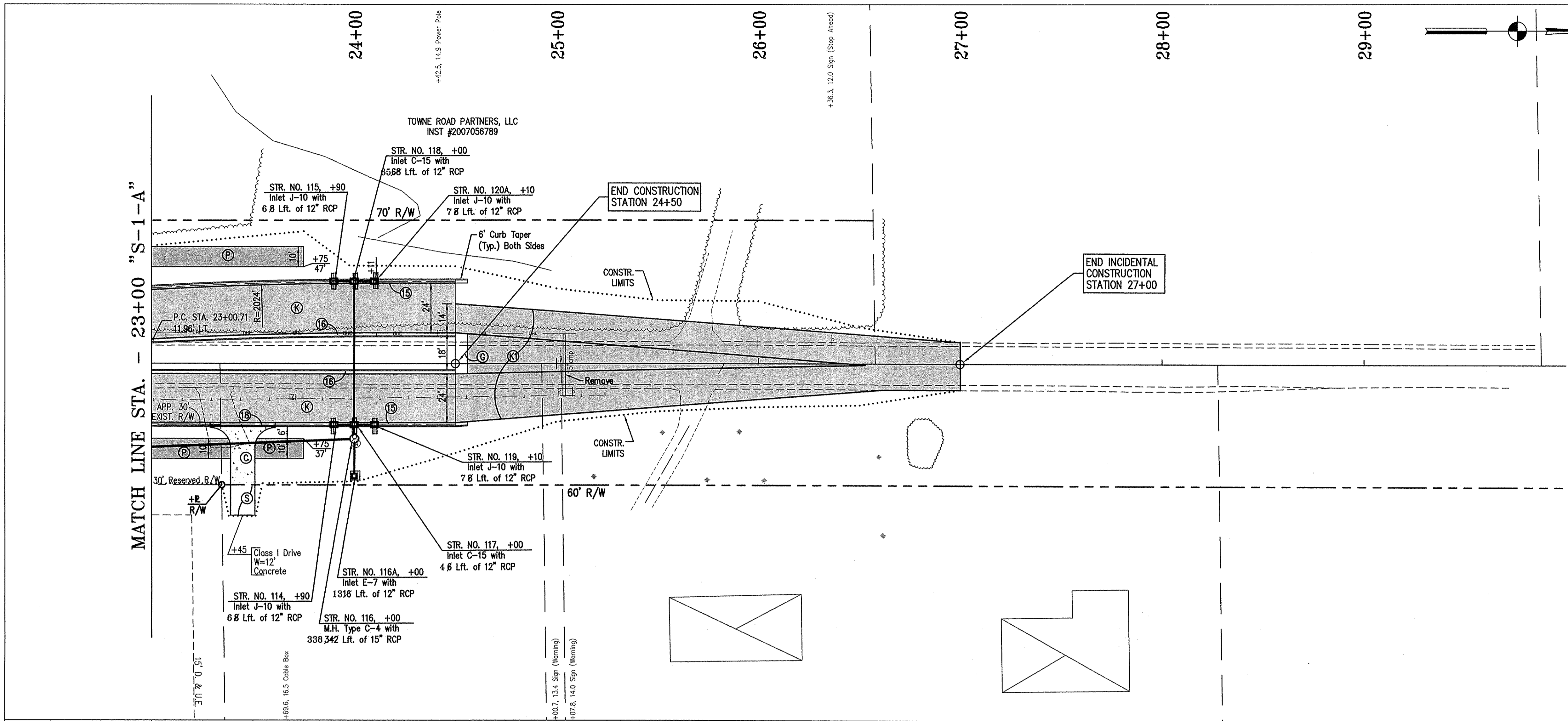
DESIGN ENGINEER: _____ DATE: _____

DRAWN: T.B.
 CHECKED: B.E.

CITY OF CARMEL
 131ST STREET
 TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
 LINE "S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	15 of 76
CONTRACT	PROJECT
	06-09



- LEGEND**
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - IRR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / (RISER)
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/RISER
 - GUY WIRE
 - FIBER OPTIC LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PIN
 - SIGN
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONIFEROUS TREE

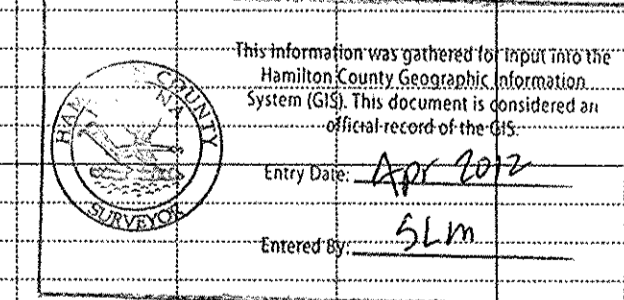
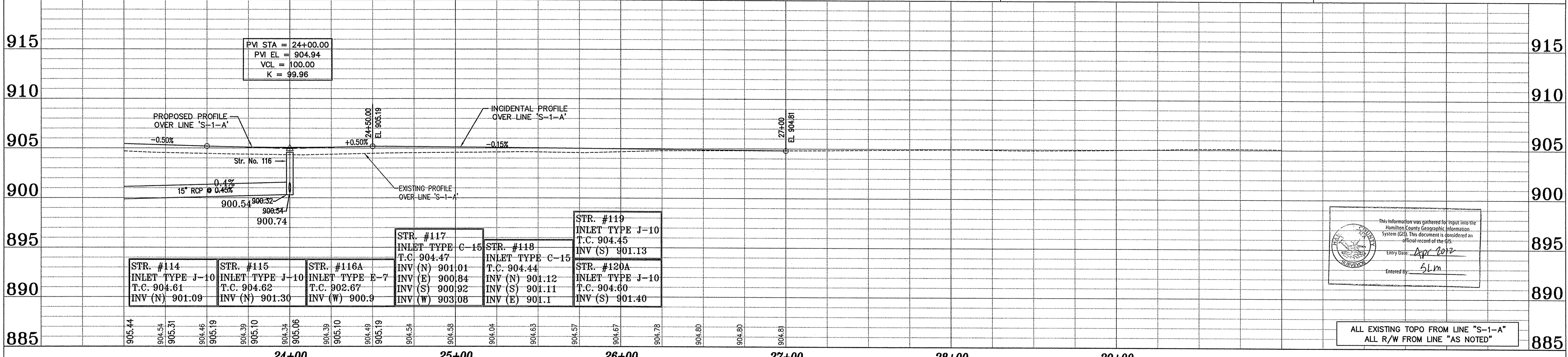
- PROPOSED**
- Ⓐ COLORED & JOINTED CONC., 7"
 - Ⓑ COLORED & JOINTED CONC., 4"
 - Ⓒ PCCP FOR APPROACHES, 6"
 - Ⓓ CONCRETE SIDEWALK, 4"
 - Ⓔ CONC. CURB RAMP, TYPE 'C'
 - Ⓕ CONC. CURB RAMP, TYPE 'G'
 - Ⓖ CONC. CURB RAMP, TYPE 'H'
 - Ⓗ CONC. CURB RAMP, TYPE 'L'
 - Ⓘ CONC. CENTER CURB, TYPE 'D'
 - Ⓚ BITUMINOUS PAVEMENT
 - Ⓛ BITUMINOUS PAVEMENT (INCIDENTAL)
 - Ⓜ ASPHALT PATH
 - Ⓝ MILLING AND RESURFACE
 - Ⓟ EQUIVALENT TO SURFACE IN PLACE
 - Ⓠ PROTECT TREE
 - Ⓡ BARRIER CURB AT TRUCK APRON
 - Ⓢ COMBINED CONC. CURB & GUTTER, TYPE II, (MAINLINE)
 - Ⓣ COMBINED CONC. CURB & GUTTER, TYPE III
 - Ⓤ ROLL CURB, MODIFIED
 - Ⓡ COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - Ⓚ SODDING
 - Ⓛ ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)

ASBUILT

— 6" UNDERDRAIN

IBM #2
RR Spike ±1' up on South Side Power Pole# 838 6213
Located on the N Side of 131st St. about 600' E of Ditch Rd.
Station 103+32.95 "A", 113.48 Lt., Elev. = 885.79

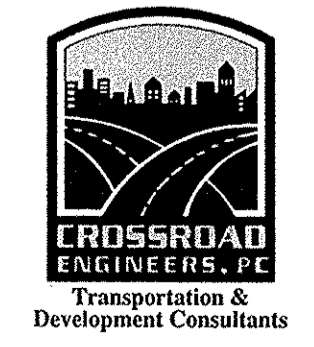
BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 1989"
About 0.5 mile W of Carmel; at the Spring Mill Rd. bridge
over Williams Creek; set on top of the SE conc. wingwall of
the bridge, 14' E of the centerline of Spring Mill Rd., 0.6'
SW of the NE face of the wingwall, 0.3' below the road.
Elev. = 864.794' NGVD 1929



ALL EXISTING TOPO FROM LINE "S-1-A"
ALL R/W FROM LINE "AS NOTED"

ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: LAS
CHECKED:



RECOMMENDED FOR APPROVAL

DESIGN ENGINEER: _____ DATE: _____

DESIGNED: B.E. DRAWN: T.B.
CHECKED: J.V. CHECKED: B.E.

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.

PLAN AND PROFILE
LINE "S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	16 of 76
CONTRACT	PROJECT
	06-09

REFERENCES: MASTER: TELK..._legend...
 USER SETTING: USER XY ALL...
 DIRECTORY PATH: R:\Active\Comm\131st Street\TOWNE-DITCH\CON\PLANS\
 FILE NAME: 102-APR-08_12:04:07 / b