

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 21, 2008

To: Hamilton County Drainage Board

RE: Elliott Creek Drain, 131st Street – Towne Road to Ditch Road Reconstruction

Attached are petition, plans, and other information for the proposed reconstruction of the Elliott Creek 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 Elliott Creek Drain will be affected. Those changes are as follows:

Elliott Creek Drain

Elliott Creek Drain – Village of Towne Pointe Arm: The project will remove 48 feet of 12” RCP between Str. 49 and the end section, per the plans for The Village of Towne Pointe, prepared by BCA Group, LLC, and date of 2/12/03. Thus, 48 feet of drain will be removed from the Elliott Creek Drain – Village of Towne Pointe Arm. This is shown on Sheet 7 of the plans prepared by Crossroad Engineers, PC., having City of Carmel Project Number 06-09, and dated April 1, 2008.

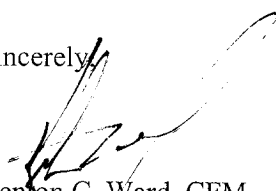
Elliott Creek Drain – The Estates at Clay West Arm: The project will place a new structure about 12 feet north of existing Str. 707, per the plans for The Estates at Clay West, prepared by Paul I. Cripe, Inc., having Job Number 000389-20000, and date of 9/01/00, and remove 12 feet of 12” RCP. The new structure is Str. 96A per the road plans. Also, the project will remove 140 feet (70 feet each side) of SSD at the entrance to The Estate at Clay West Subdivision. Thus, 152 feet of drain will be removed from the Elliott Creek Drain – The Estates at Clay West Arm. This is shown on Sheet 13 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 remove 200 feet of the Elliott Creek Drain and all affected arms.

The cost of the reconstruction is to be paid by the City of Carmel. Because the project is to be paid by the petitioner and is being completed within the right of way owned by the City of Carmel, the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a hearing with 30 day notice is not required for the petition.

I recommend the Board approve the project at this time.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: Elliott Creek Drain, Carmel Project No. 06-09)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

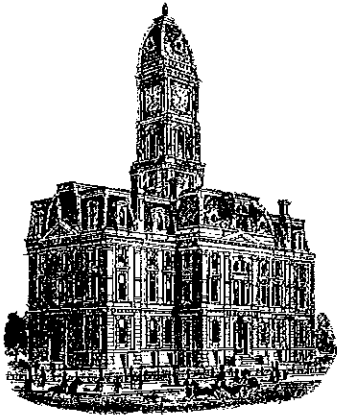
The City of Carmel (One Civic Square, Carmel, IN 46032) (hereinafter "Petitioner"),
hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a
section of the Elliott Creek Drain, and in support of
said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Elliott Creek
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 Elliott Creek 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 Elliott Creek Drain, without cost to other property owners
on the watershed of the Elliott Creek Drain.

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


Signed

MICHAEL T. McBRIDE
Printed



KCW

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Phone (317) 776-8495
Fax (317) 776-9628

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

To: Hamilton County Drainage Board

January 27, 2015

Re: Elliott Creek Drain -131st St Reconstruction (Ditch to Towne Rd)

Attached are as-builts, certificate of completion & compliance, and other information for 131st Street 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 21, 2008. The report was approved by the Board at the hearing held September 8, 2008. (See Drainage Board Minutes Book 11, Pages 307-308) The changes are as follows:

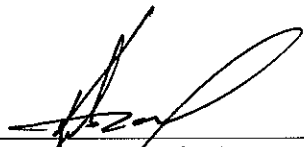
The Estates at Clay West Arm had 154' of drain removed with this project. This consisted of 140 feet of 6" SSD and 14 feet of 12" RCP being removed and a new inlet structure being installed (96A).

The changes to the Village of Towne Pointe arm were outlined in my final report to the board dated September 16, 2009 (See Drainage Board Minutes Book 12, Pages 277-278).

The project was paid for by the City of Carmel and all the work was completed within the road right of way.

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

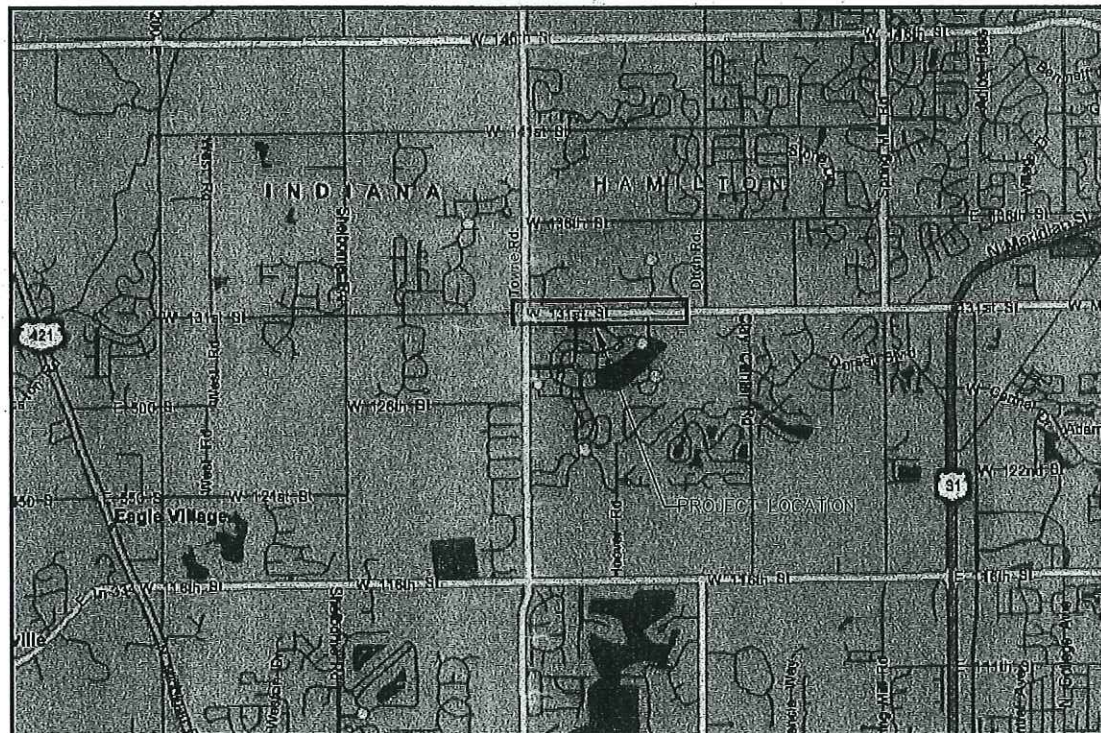
CITY OF CARMEL PROJECT NO. 06-09 ***131ST STREET ROAD IMPROVEMENTS TOWNE ROAD TO DITCH ROAD***

ASBUILT PLANS

HONORABLE JAMES BRAINARD, MAYOR

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

REFERENCES: NOT
DIRECTOR'S PATH: BUREAU OF PUBLIC WORKS
DATE: 04-25-2008



This information was prepared for input into the Hamilton County Geographic Information System (GIS) and is not intended for use in any other manner. Date: Apr 2012



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"



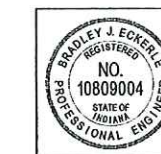
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL THE PRO

PER INDIANA STATE LAW IS-63-1501,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

PLANS PREPARED BY:



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



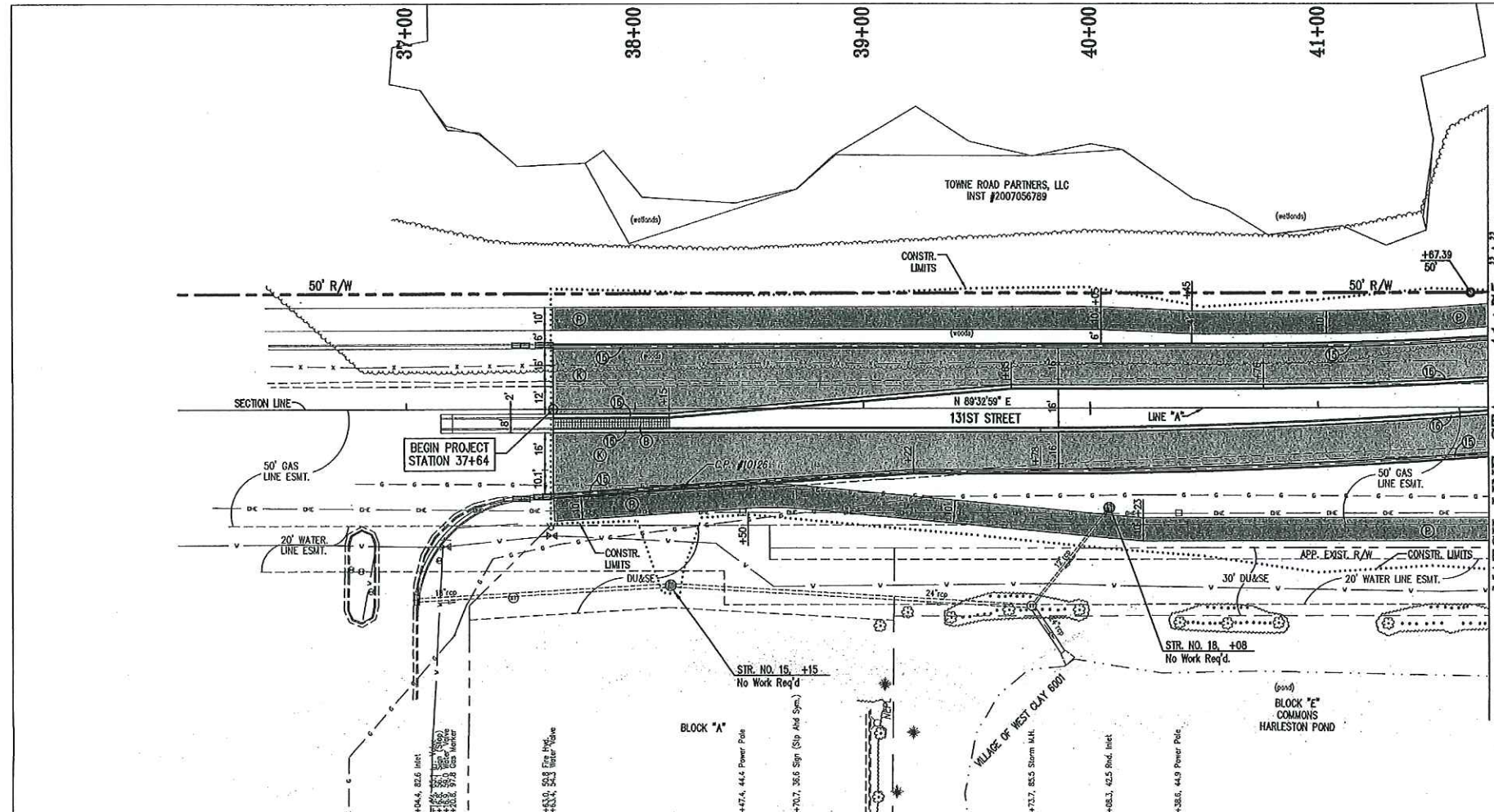
Bradley J. Eckert 04-01-08
CERTIFIED BY DATE

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

**CONSTRUCTION
DOCUMENTS**

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

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

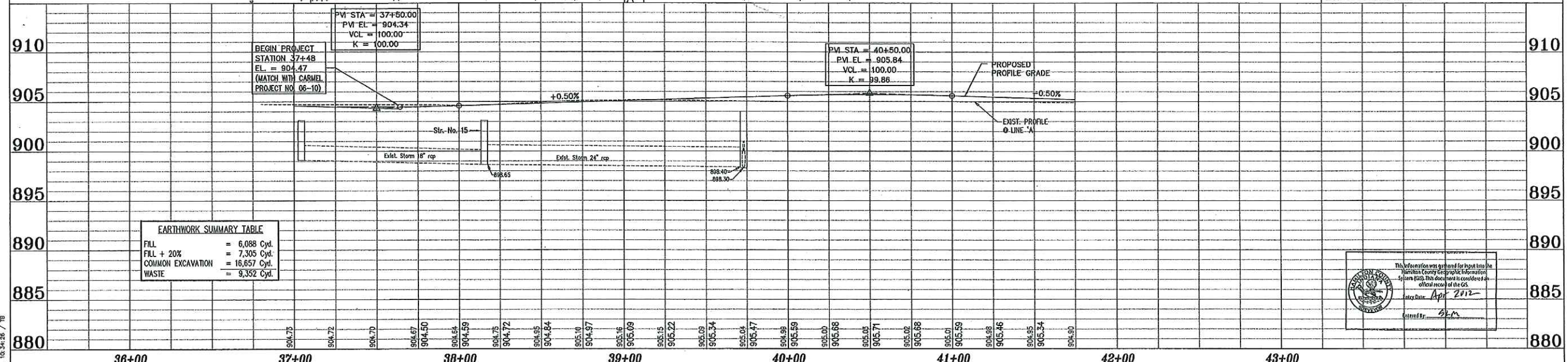


- PROPOSED**
- ① COLORED & JOINTED CONC., 7"
 - ② COLORED & JOINTED CONC., 4"
 - ③ PCOP FOR APPROACHES, 6"
 - ④ CONCRETE SIDEWALK, 4"
 - ⑤ CONC. CURB RAMP, TYPE 'C'
 - ⑥ CONC. CURB RAMP, TYPE 'G'
 - ⑦ CONC. CURB RAMP, TYPE 'H'
 - ⑧ CONC. CURB RAMP, TYPE 'L'
 - ⑨ CONC. CENTER CURB, TYPE 'D'
 - ⑩ BITUMINOUS 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
- (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
 - ⑳ MANHOLE
 - ㉑ LIGHT & POWER POLE W/RISER
 - ㉒ GUY WIRE
 - ㉓ TRIPPER OPTIC LINE
 - ㉔ TELEPHONE LINE
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 - ㉖ TELEPHONE MANHOLE
 - ㉗ CABLE TV LINE
 - ㉘ UTILITY MANHOLE
 - ㉙ WOOD FENCE
 - ㉚ WIRE FENCE
 - ㉛ CHAINLINK FENCE
 - ㉜ ROLL FENCE
 - ㉝ ROLL FENCE
 - ㉞ SIGN
 - ㉟ FLAG POLE
 - ㊱ BUSH
 - ㊲ TREE TRUNK
 - ㊳ DECIDUOUS TREE
 - ㊴ CONIFEROUS TREE
- ASBUILT**
- ① 6" UNDERDRAIN

ALL R/W AND TOPO FROM LINE "A"

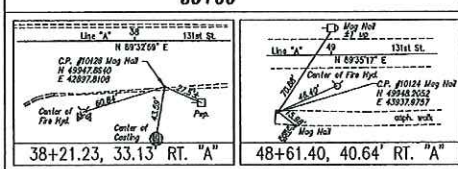
TBM #37518
RR Spike ±1' up on Power Pole #638-6235 Located Approx. 800' E of Towne Rd. on N side of 131st St. Station 51+69.94 "A", 17.72 Lt., Elev. = 904.13

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.



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: _____ **BIS**

CHECKED: _____ **IAS**

CHECKED: _____



RECOMMENDED FOR APPROVAL

DESIGN ENGINEER: _____ DATE: _____

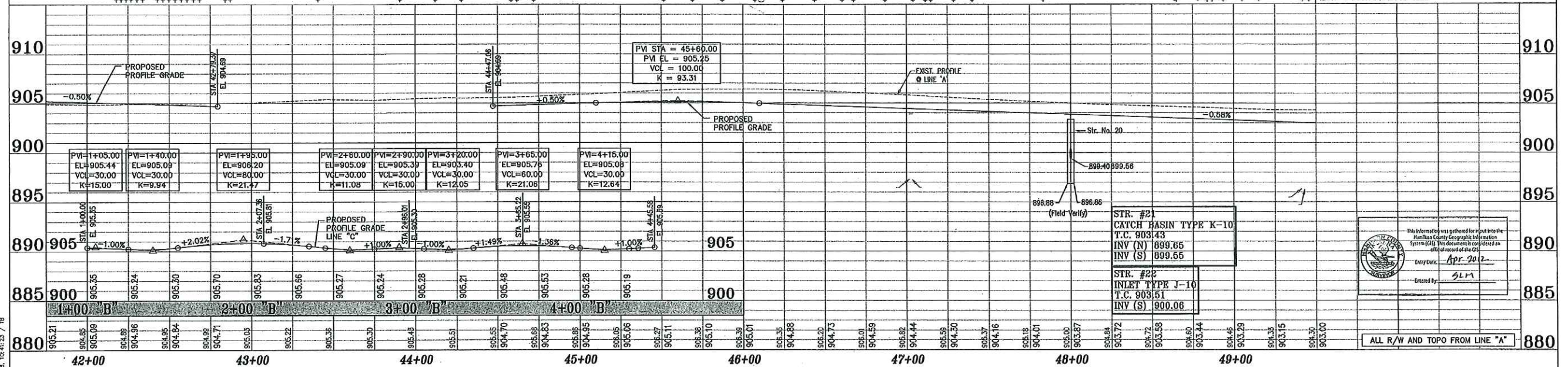
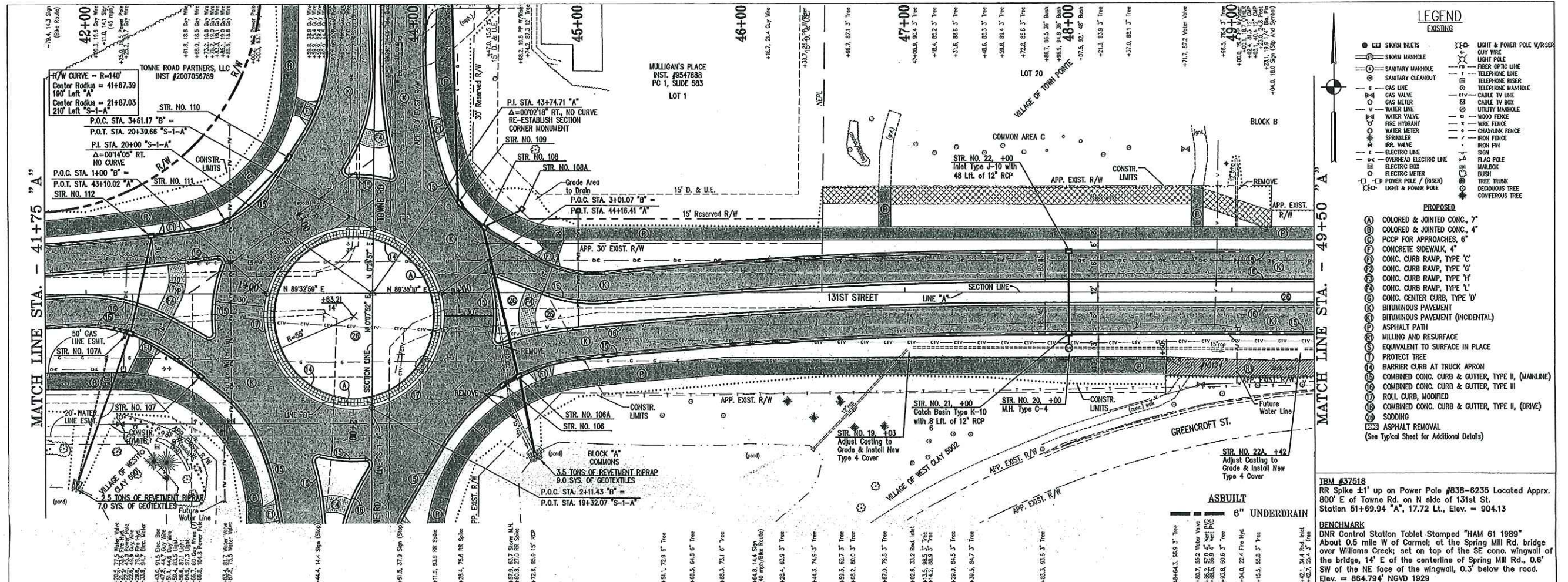
DESIGNED: B.E. DRAWN: T.B.

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

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

PLAN AND PROFILE
LINE "A"

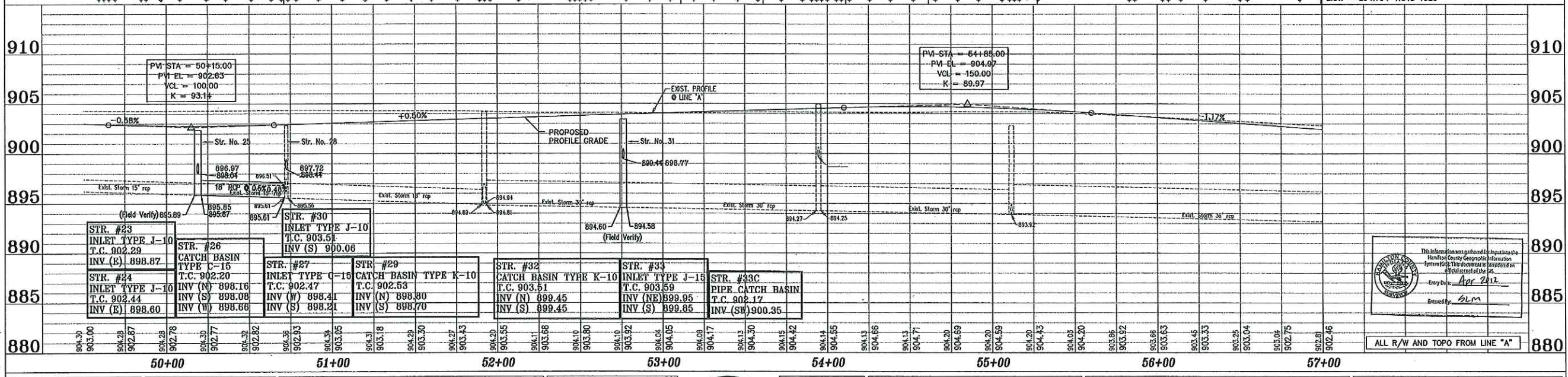
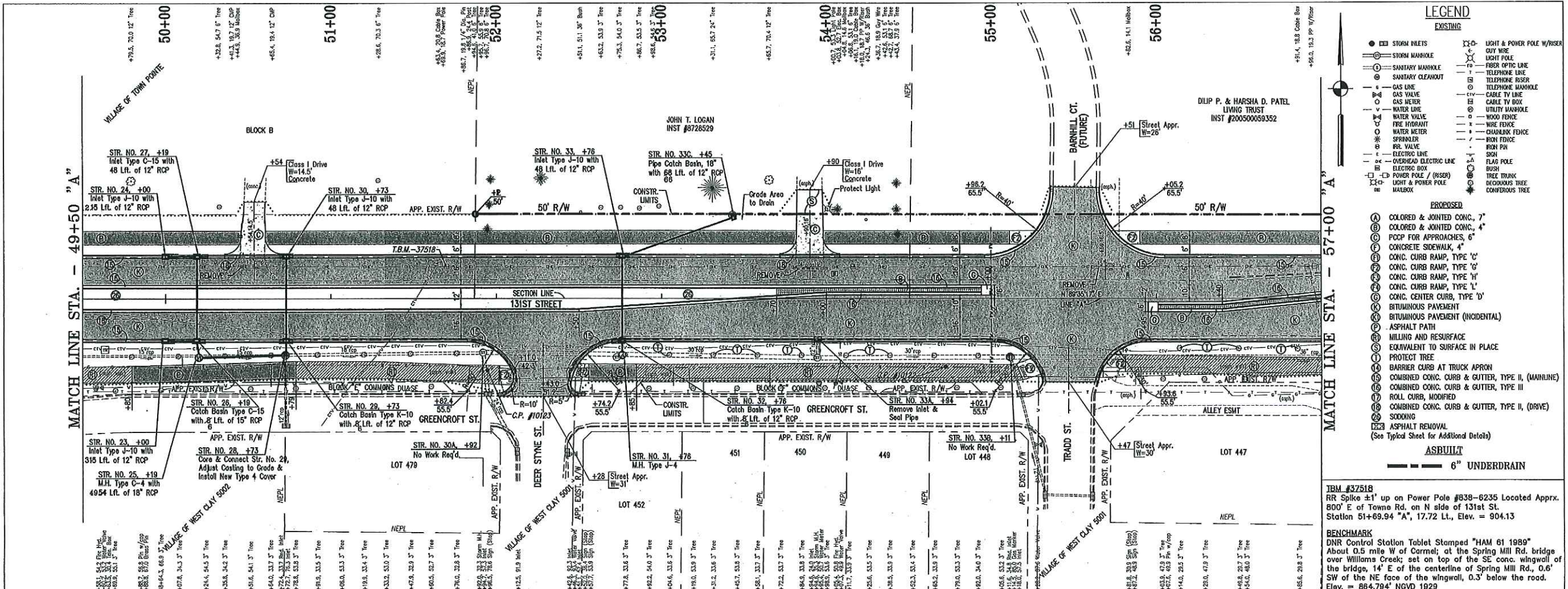
HORIZONTAL SCALE	1"=30'	BRIDGE FILE	N/A
VERTICAL SCALE	1"=5'	DESIGNATION	
SURVEY BOOK		SHEETS	6 of 76
CONTRACT		PROJECT	06-09



<p>ASBUILTS COMPLETED BY: CrossRoad Engineers P.C.</p> <p>DRAWN: <u> </u> BLS CHECKED: <u> </u> LAS CHECKED: <u> </u></p>	<p>CITY OF CARMEL 131ST STREET TOWNE RD. TO DITCH RD.</p> <p>PLAN AND PROFILE LINE "A"</p>	<p>HORIZONTAL SCALE 1"=30'</p> <p>VERTICAL SCALE 1"=5'</p> <p>SURVEY BOOK CONTRACT</p> <p>BRIDGE FILE N/A DESIGNATION</p> <p>SHEETS 7 of 76 PROJECT 06-09</p>
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REVISIONS: 1. DATE: 04/20/22 BY: Jspenc
2. DATE: 04/20/22 BY: Jspenc
3. DATE: 04/20/22 BY: Jspenc
4. DATE: 04/20/22 BY: Jspenc
5. DATE: 04/20/22 BY: Jspenc
6. DATE: 04/20/22 BY: Jspenc
7. DATE: 04/20/22 BY: Jspenc
8. DATE: 04/20/22 BY: Jspenc
9. DATE: 04/20/22 BY: Jspenc
10. DATE: 04/20/22 BY: Jspenc

This information was gathered for use in the Hamilton County Geographic Information System (GIS). This document is considered an official record of the City of Carmel.
Date: Apr 20 22
Entered by: SLM



Station	Structure	Invert (N)	Invert (S)	Invert (W)
50+00	STR. #23 INLET TYPE J-10	898.87		
50+00	STR. #24 INLET TYPE J-10	898.60		
50+00	STR. #26 CATCH BASIN TYPE C-15	898.16	898.08	898.68
50+00	STR. #27 INLET TYPE C-15	898.41	898.21	
50+00	STR. #29 CATCH BASIN TYPE K-10	898.90	898.70	
50+00	STR. #30 INLET TYPE J-10	903.51	900.06	
50+00	STR. #32 CATCH BASIN TYPE K-10	899.45	899.45	
50+00	STR. #33 INLET TYPE J-15	899.95	899.85	
50+00	STR. #33C PIPE CATCH BASIN	902.17	900.35	

REFERENCES: MASTER: TELK - Japane
 DISCREPANCY: B.V. (Carmel) Street, TOWN-DCR-Cad/PLANS
 FILE NAME: 02-10-08-08 / TB

ASBUITS COMPLETED BY:
 CrossRoad Engineers P.C.

DRAWN: BLS
 CHECKED: LAS
 CHECKED:

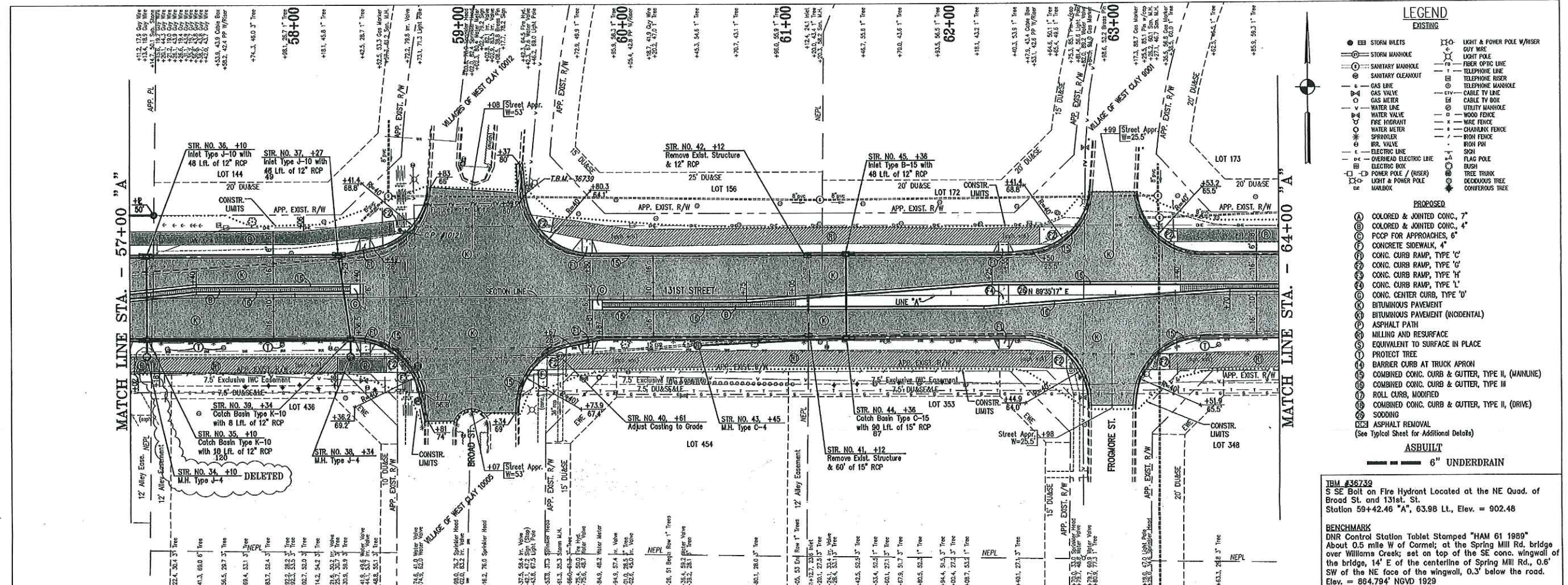
CrossRoad
 ENGINEERS P.C.
 Transportation &
 Development Consultants

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"

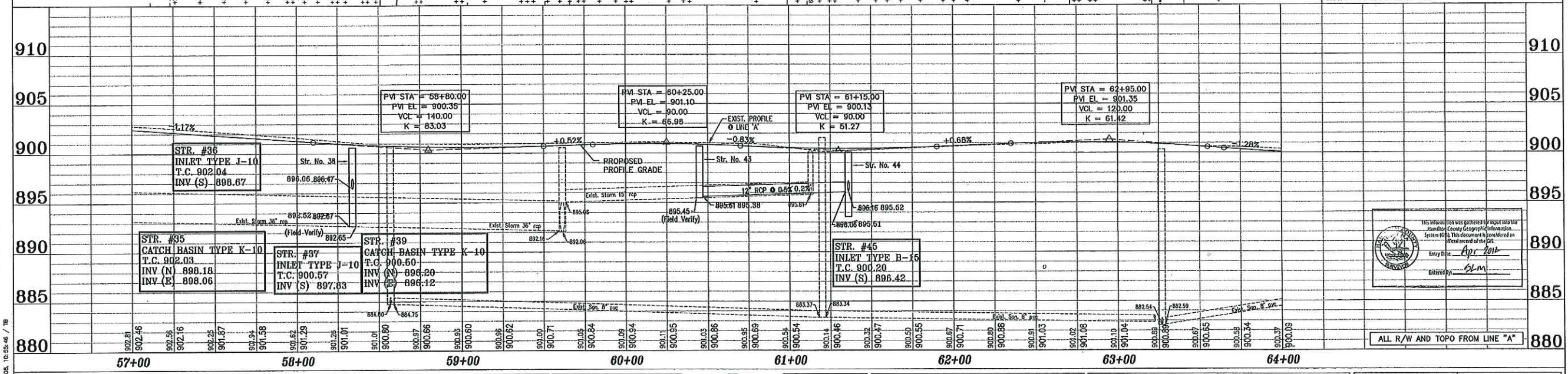
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VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
CONTRACT	8 of 76
	PROJECT
	06-09



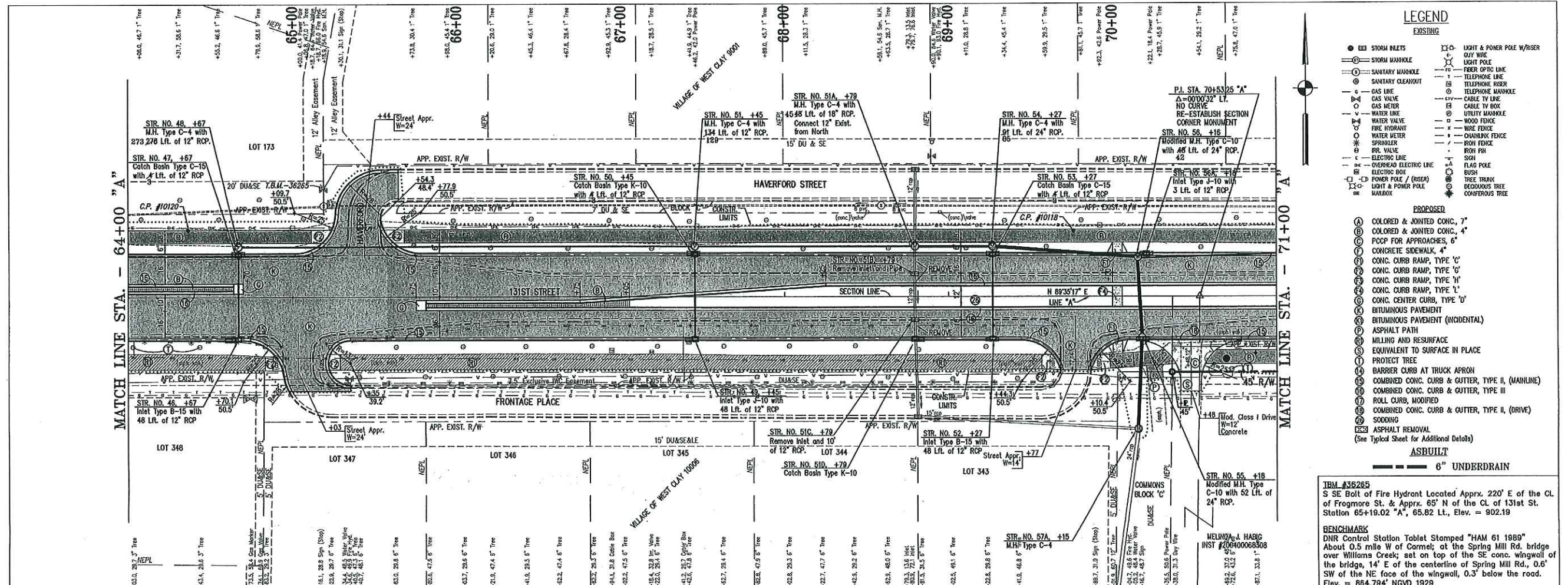
- EXISTING**
- SEE STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - IRV. VALVE
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 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / (SSER)
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/WASER
 - LIGHT POLE
 - FIBER OPTIC LINE
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 - TELEPHONE RISER
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 - WOOD FENCE
 - WIRE FENCE
 - CHAINLINK FENCE
 - IRON FENCE
 - IRON PAIL
 - SIGN
 - FLAG POLE
 - BUSH
 - TREE TRUNK
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 - CONIFEROUS TREE
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 - Ⓑ COLORED & JOINTED CONC., 4"
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 - Ⓩ ROLL CURB, MODIFIED
 - Ⓩ COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - Ⓩ SODDING
 - Ⓩ ASPHALT REMOVAL
- ASBUILT**
- 6" UNDERDRAIN

TBM #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 Corneli, 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



<p>ASBUILTS COMPLETED BY: CrossRoad Engineers P.C.</p> <p>DRAWN: _____ CHECKED: _____ CHECKED: _____</p>	<p>CrossRoad ENGINEERS P.C. Transportation & Developmental Consultants</p>	<p>RECOMMENDED FOR APPROVAL</p> <table border="1"> <tr> <td>DESIGNED: B.E.</td> <td>DRAWN: T.B.</td> </tr> <tr> <td>CHECKED: J.V.</td> <td>CHECKED: B.E.</td> </tr> </table>	DESIGNED: B.E.	DRAWN: T.B.	CHECKED: J.V.	CHECKED: B.E.	<p>CITY OF CARMEL 131ST STREET TOWNE RD. TO DITCH RD. PLAN AND PROFILE LINE "A"</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=30'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td></td> <td>9 of 76</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td></td> <td>06-09</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=30'	N/A	VERTICAL SCALE	DESIGNATION	1"=5'		SURVEY BOOK	SHEETS		9 of 76	CONTRACT	PROJECT		06-09
DESIGNED: B.E.	DRAWN: T.B.																							
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SURVEY BOOK	SHEETS																							
	9 of 76																							
CONTRACT	PROJECT																							
	06-09																							



LEGEND
EXISTING

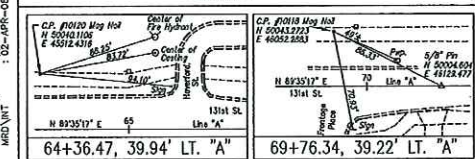
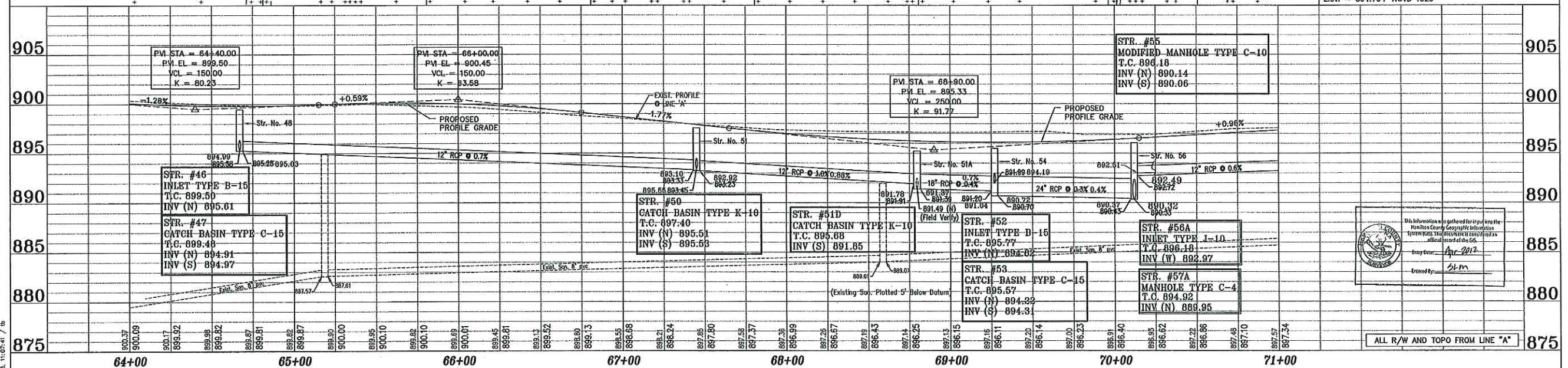
- STORM INLETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- WATER LINE
- FIRE HYDRANT
- WATER METER
- SPRINKLER
- IRR. VALVE
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- POWER POLE / (R/SER)
- LIGHT & POWER POLE
- MARKBOX
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- CABLE TV LINE
- UTILITY MANHOLE
- WOOD FENCE
- WIRE FENCE
- CHAINLINK FENCE
- ROOF FENCE
- ROOF PVI
- SIGN
- FLAG POLE
- BUSH
- TREE TRUNK
- DECADUOUS TREE
- CONIFEROUS TREE

- PROPOSED**
- COLORED & JOINTED CONC., 7"
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 - COMBINED CONC. CURB & GUTTER, TYPE II, (DRIVE)
 - SODDING
 - ASPHALT REMOVAL
- (See Typical Sheet for Additional Details)

ASBUILT
6" UNDERDRAIN

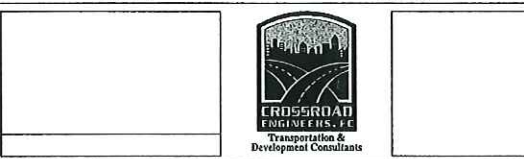
IBM #36285
S SE Bolt of Fire Hydrant Located Apprx. 220' E of the CL of Frogmore St. & Apprx. 85' N of the CL of 131st St. Station 65+19.02 "A", 65.82 Lt., Elev. = 902.19

BENCHMARK
DNR Control Station Tablet Stamped "HAM 61 989"
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ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BJS
CHECKED: LAS



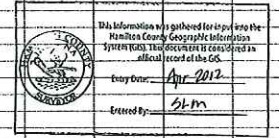
RECOMMENDED FOR APPROVAL

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

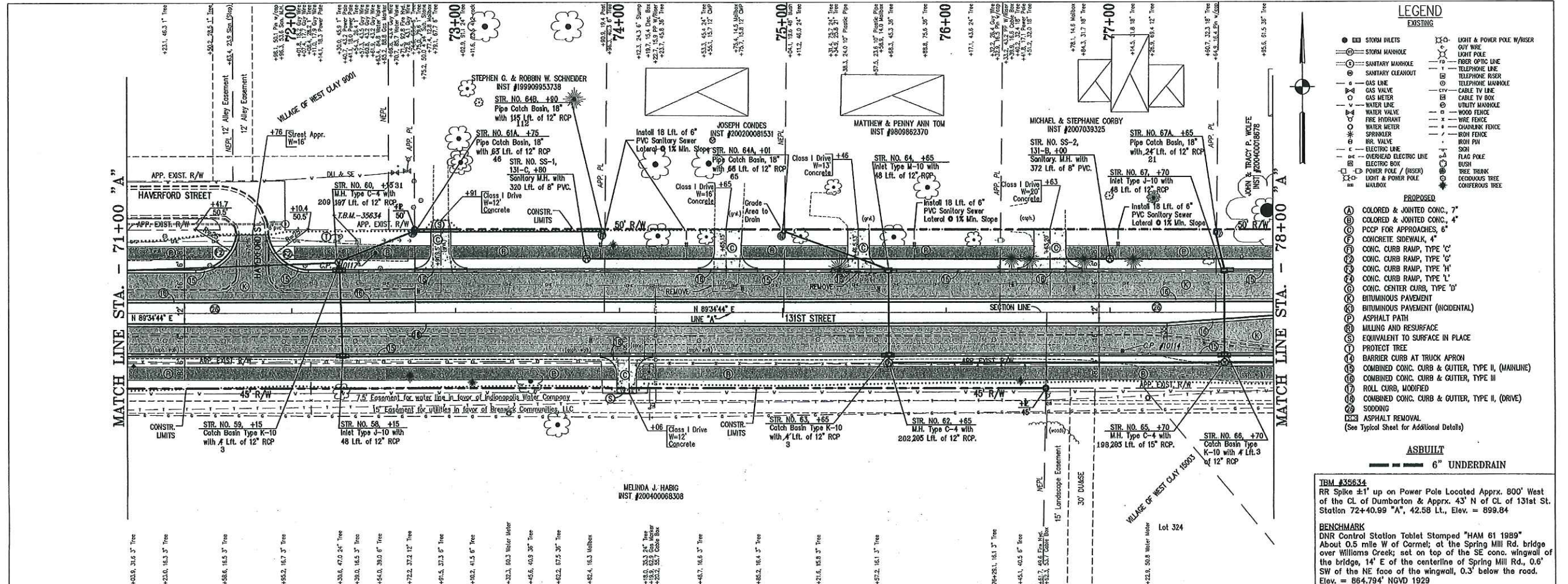
CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

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

REFERENCES : MATTERS, TRAC, _legends_
USER SETTING : USER CK ALL
DIRECTOR PATH : C:\Users\Comet\131st Street\TOWNE-DRCH\Cont\PLANS\
MID INT : 02-23PR-08, 11/07/14 / B



ALL R/W AND TOPO FROM LINE "A"



LEGEND

EXISTING

- STORM DRETS
- STORM MANHOLE
- SANITARY MANHOLE
- SANITARY CLEANOUT
- GAS VALVE
- GAS METER
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SPRINKLER
- INS. VALVE
- ELECTRIC LINE
- ELECTRIC BOX
- POWER POLE / RISER
- LIGHT & POWER POLE
- MALIBOX
- LIGHT & POWER POLE W/ RISER
- OUT 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 FENCE
- SKI
- FLAG POLE
- BUSH
- TREE TRUNK
- DECIDUOUS TREE
- CONIFEROUS TREE

PROPOSED

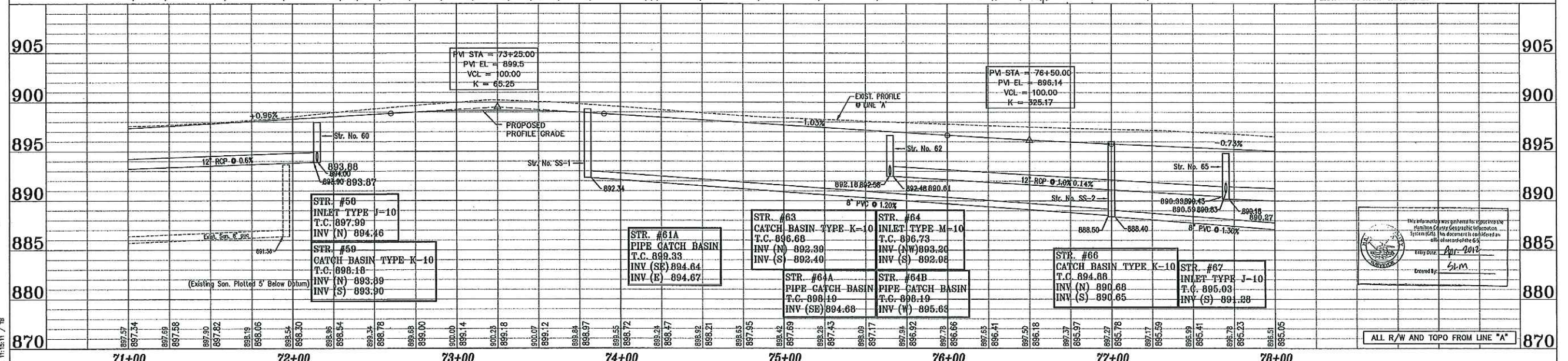
- COLORED & JOINTED CONC., 7"
- COLORED & JOINTED CONC., 4"
- PCCP FOR APPROACHES, 6"
- CONCRETE SIDEWALK, 4"
- CONC. CURB RAMP, TYPE 'C'
- CONC. CURB RAMP, TYPE 'G'
- CONC. CURB RAMP, TYPE 'H'
- CONC. CURB RAMP, TYPE 'L'
- CONC. CENTER CURB, TYPE 'D'
- BITUMINOUS PAVEMENT
- BITUMINOUS PAVEMENT (INCIDENTAL)
- 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

ASBUILT

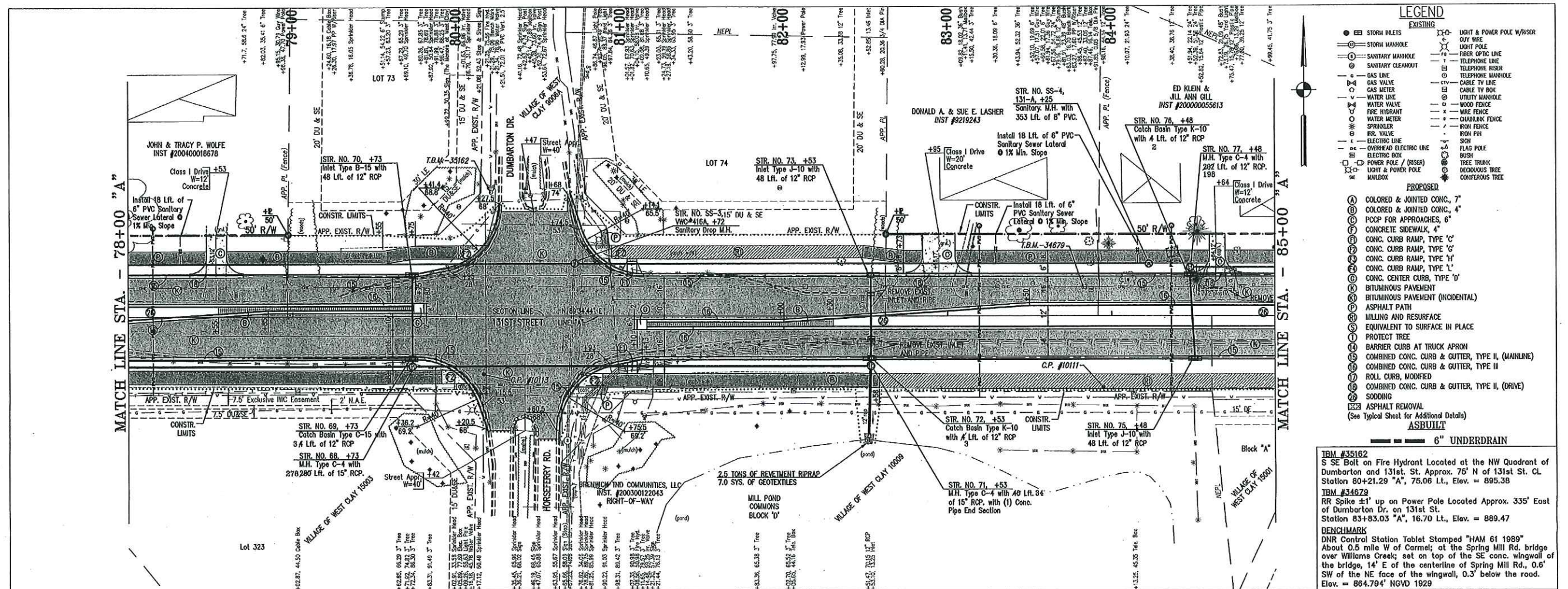
- 6" UNDERDRAIN

TBM #35634
RR Spike ±1' up on Power Pole Located Apprx. 800' West of the CL of Dumbarton & Apprx. 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



<p>72+51.29, 35.87' LT. "A"</p> <p>77+07.56, 22.72' RT. "A"</p>	<p>ASBUILTS COMPLETED BY: CrossRoad Engineers P.C.</p> <p>DRAWN: _____ BITS</p> <p>CHECKED: _____ LAS</p>	<p>CrossRoad ENGINEERS P.C. Transportation & Developmental Consultants</p>	<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: B.E. DRAWN: T.B.</p> <p>CHECKED: J.V. CHECKED: B.E.</p>	<p>CITY OF CARMEL 131ST STREET TOWNE RD. TO DITCH RD.</p> <p>PLAN AND PROFILE LINE "A"</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1"=30'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1"=5'</td> <td></td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td></td> <td>11 of 76</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td></td> <td>06-09</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1"=30'	N/A	VERTICAL SCALE	DESIGNATION	1"=5'		SURVEY BOOK	SHEETS		11 of 76	CONTRACT	PROJECT		06-09
HORIZONTAL SCALE	BRIDGE FILE																				
1"=30'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1"=5'																					
SURVEY BOOK	SHEETS																				
	11 of 76																				
CONTRACT	PROJECT																				
	06-09																				

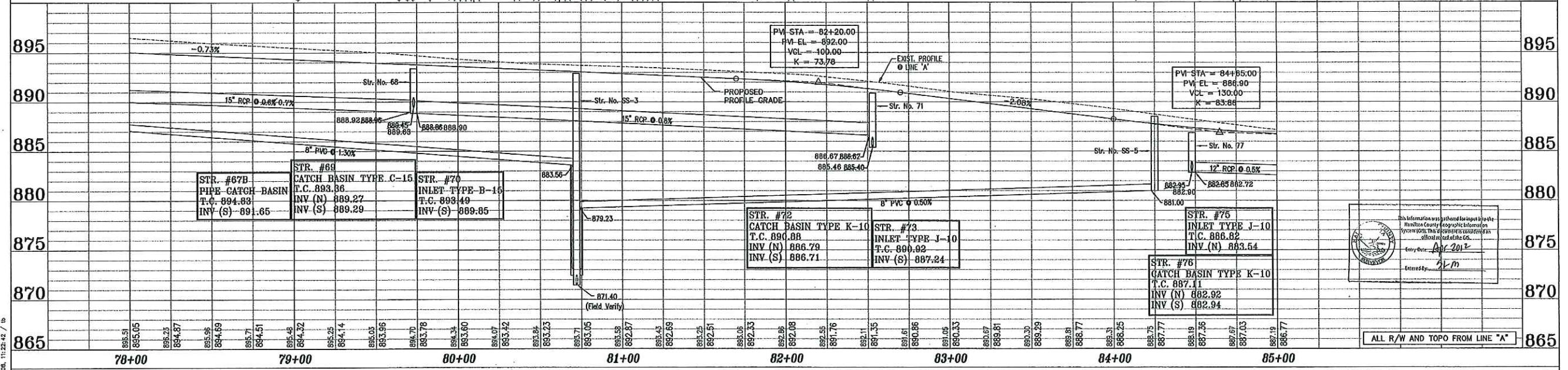


- ### LEGEND
- EXISTING**
- STORM INLETS
 - STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - GAS METER
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - RR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / (B/S/S)
 - LIGHT & POWER POLE
 - MAILBOX
 - LIGHT & POWER POLE W/USER
 - OUT WIRE
 - FIBER OPTIC LINE
 - TELEPHONE LINE
 - TELEPHONE RISER
 - TELEPHONE MANHOLE
 - CABLE TV LINE
 - CABLE TV BOX
 - UTILITY MANHOLE
 - WOOD FENCE
 - WIRE FENCE
 - CHAIRBACK FENCE
 - IRON FENCE
 - IRON FISH
 - 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 (NOODENTAL)
 - (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 II
 - (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

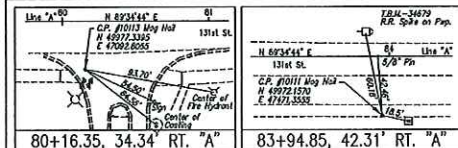
TBM #35162
S SE Bolt on Fire Hydrant Located at the NW Quadrant of Dumbarton and 131st St. Approx. 75' N of 131st St. CL Station 80+21.29 "A", Elev. = 895.38

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



REFERENCES: JAMISON, T.B.K., Legend, "TEL-0-001"
DIRECTOR, PLAN, & Vertical Curve, 131st Street, Towne Rd. to Ditch, Hamilton Co., Indiana
DATE: 11/28/04



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

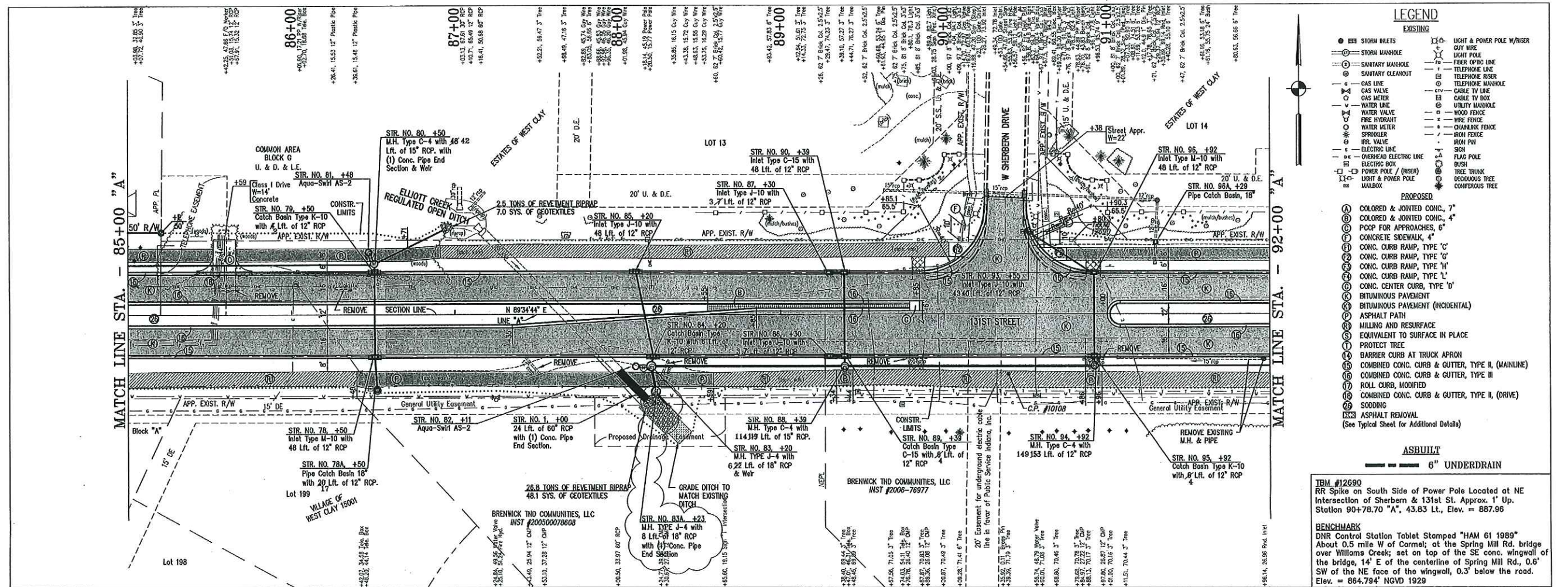
DRAWN: _____ BTS
CHECKED: _____ IAS
CHECKED: _____



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 BREEZES
- STORM MANHOLE
- SANITARY CLEANOUT
- GAS LINE
- GAS VALVE
- GAS METER
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SPROKELER
- IRR. VALVE
- ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- ELECTRIC BOX
- POWER POLE / (HSE)
- LIGHT & POWER POLE
- MANHOLE
- LIGHT & POWER POLE W/ RISER
- LIGHT POLE
- FIBER OPTIC LINE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- 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"
- ⓒ POOP 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 (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

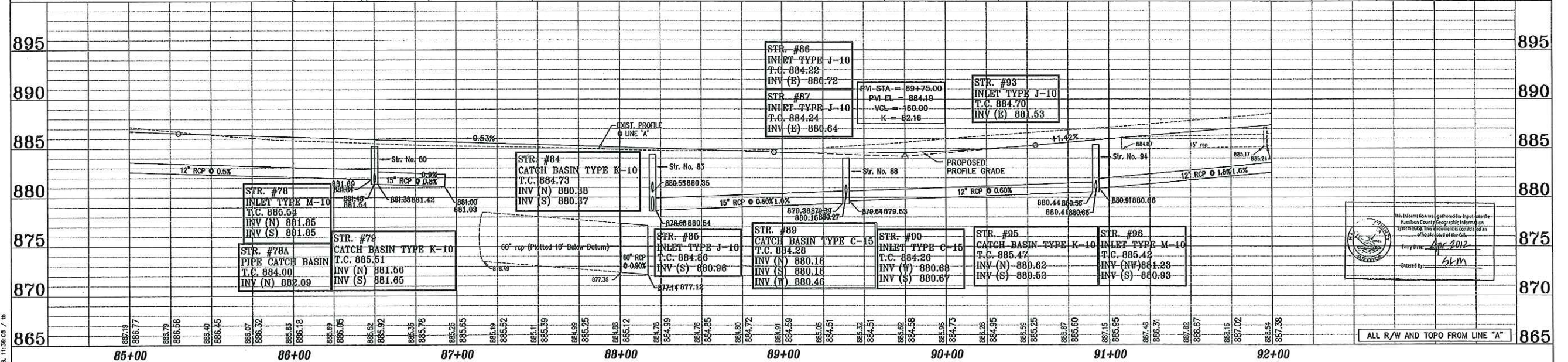
(See Typical Sheet for Additional Details)

ASBUILT

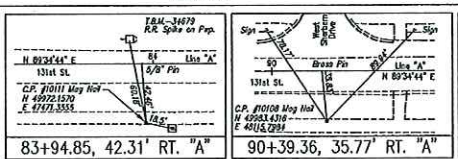
- 6" UNDERDRAIN

TRM #12690
RR Spike on South Side of Power Pole Located at NE Intersection of Sherrin & 131st St. Approx. 1' Up. Station 90+70.70 "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. = 884.794' NGVD 1929



REFERENCES: MASTER: TELCO_1999m.dwg
USER: SETTING PLAN
FILE NAME: 131st Street Sewer Line - Ditch (Coul) PLAN.dwg
DATE: 11/26/03 / B



ASBUILTS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BTS
CHECKED: IAS
CHECKED:



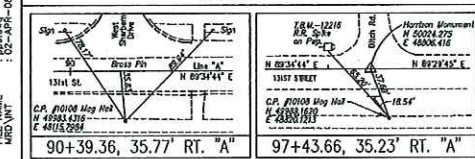
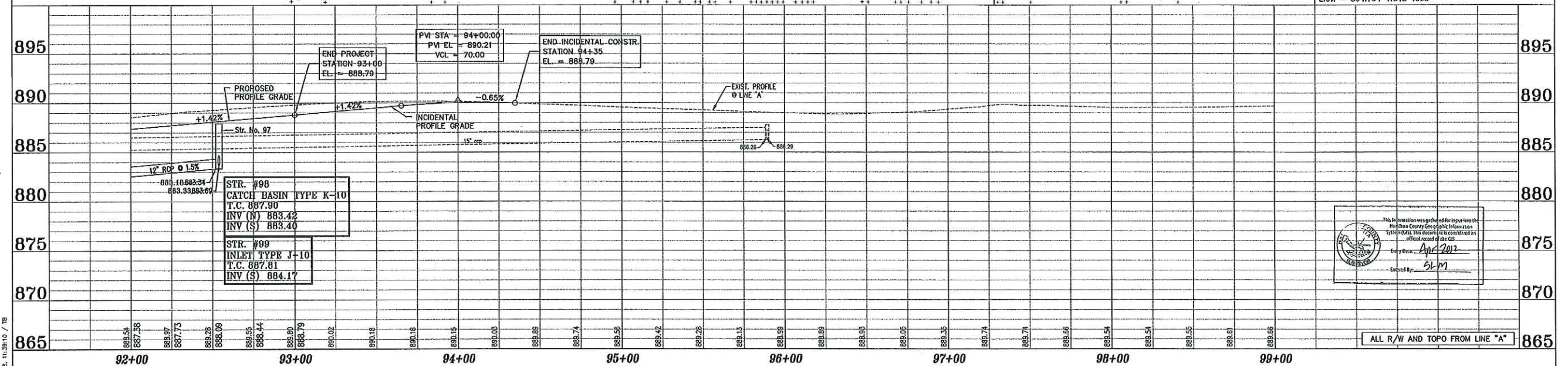
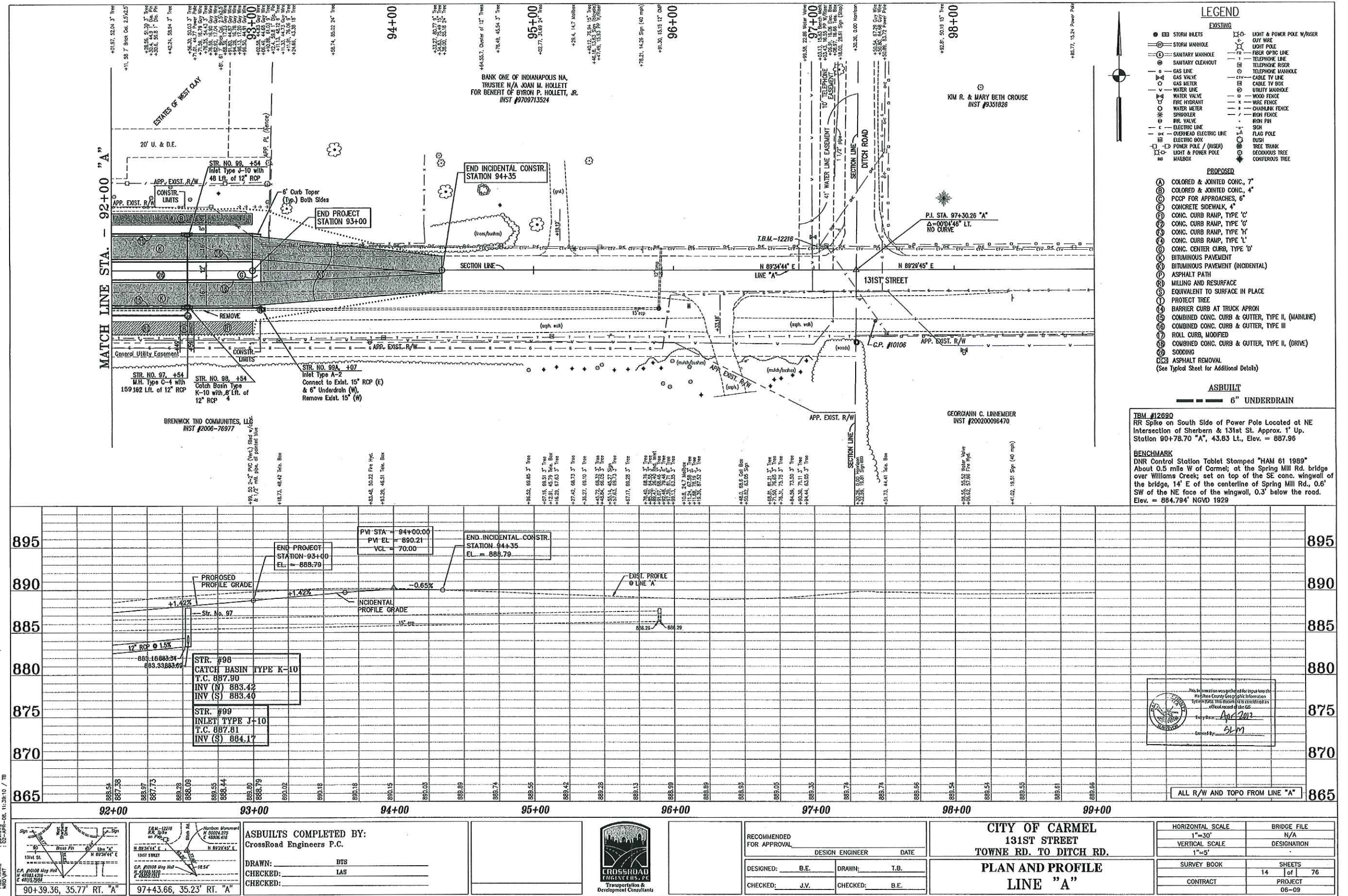
RECOMMENDED FOR APPROVAL

DESIGN ENGINEER	DATE
B.E.	T.B.

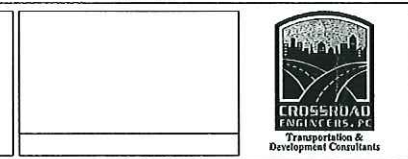
DESIGNED: B.E. DRAWN: T.B.
CHECKED: J.V. CHECKED: B.E.

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

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



ASBUILTS COMPLETED BY:
 CrossRoad Engineers P.C.
 DRAWN: _____ BTS
 CHECKED: _____ LAS



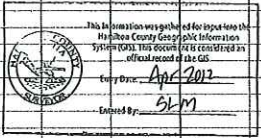
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: B.E.	DRAWN: T.B.				
CHECKED: J.V.	CHECKED: B.E.				

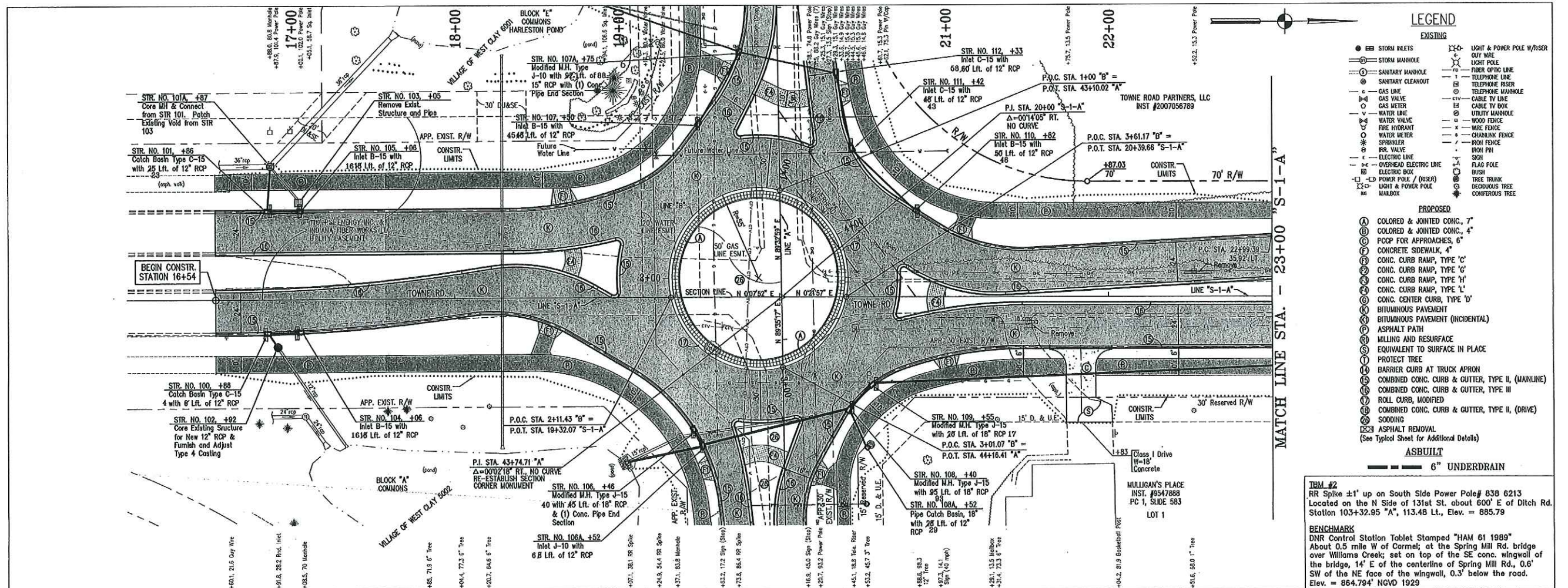
CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "A"

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

TBM #12690
 RR Spike on South Side of Power Pole Located at NE Intersection of Sherburn & 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. = 884.794' NGVD 1929

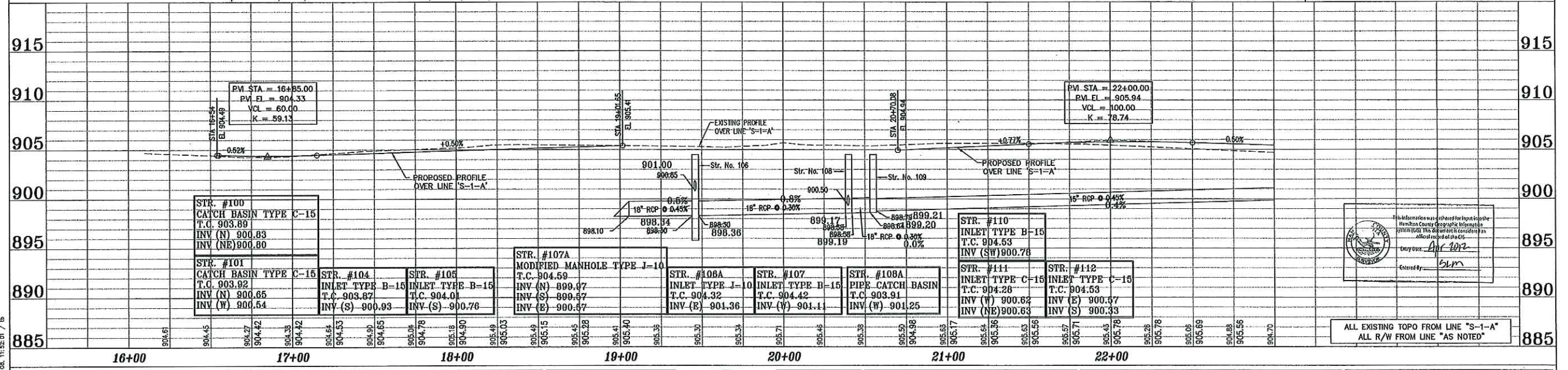




- LEGEND**
- EXISTING**
- STORM MANHOLE
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - GAS LINE
 - GAS VALVE
 - GAS METER
 - WATER LINE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER
 - RR. VALVE
 - ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE
 - ELECTRIC BOX
 - POWER POLE / RISER
 - LIGHT & POWER POLE
 - MANHOLE
 - LIGHT & POWER POLE W/ RISER
 - CUT 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 PVI
 - SKRI
 - FLAG POLE
 - BUSH
 - TREE TRUNK
 - DECIDUOUS TREE
 - CONTOUR TREE
- PROPOSED**
- (A) COLORED & JOINTED CONC., 7"
 - (B) COLORED & JOINTED CONC., 4"
 - (C) PCPP 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
- 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.
Stallon 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



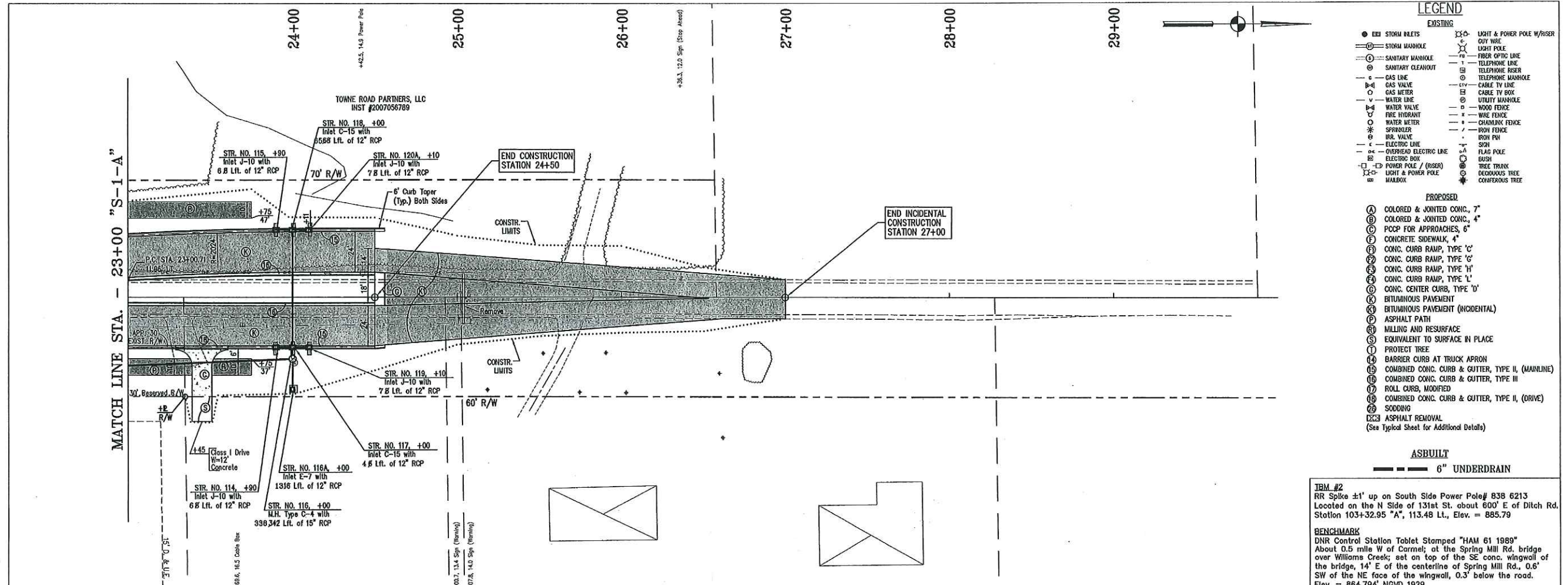
ASBUITS COMPLETED BY:
CrossRoad Engineers P.C.

DRAWN: BIS
CHECKED: LAS

CrossRoad
ENGINEERS P.C.
Transportation &
Development Consultants

CITY OF CARMEL
131ST STREET
TOWNE RD. TO DITCH RD.
PLAN AND PROFILE
LINE "S-1-A"

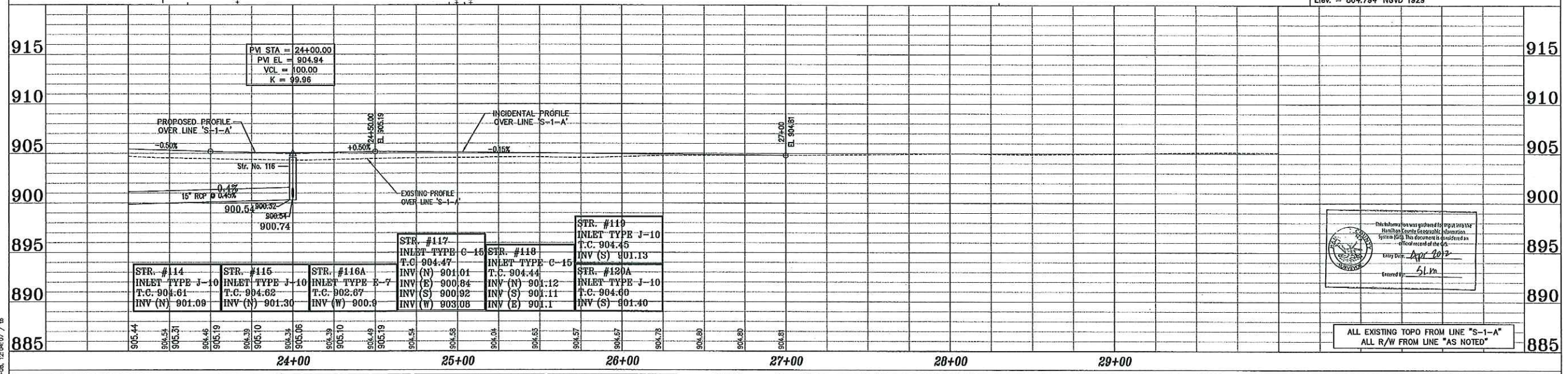
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	15 of 76
CONTRACT	PROJECT
	06-09



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



REFERENCES : MASTER: TBLK - Jeneve
USER SETTING : USER: ALL
FILE NAME : 82-APP-08-131st Street/Towne-Ditch(Cor)PLANS
MRD UNIT : 82-APP-08-131st Street/Towne-Ditch(Cor)PLANS

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 "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