



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: J.W. Brendel Drain, 131st Street – Towne Road to Shelborne Road Reconstruction

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

J.W. Brendel Drain

J.W. Brendel Drain – Carmel Street Department Main Facility Arm: The project will place a new structure (Str. 15) about 50 feet east of existing Str. 734 per the plans for Carmel Street Department Main Facility, prepared by Cripe, having job number 990488-10100, and date of 11/1/02. This will provide a new outlet point for the roadway storm sewer system. The 33 feet of 12" RCP between Str. 734 and the end section (Str. 734A) will be removed. Another new structure (Str. 21) was placed 30 feet west of Str. 733 on the Cripe plans. At Structure 731 of the Cripe plans, the 42 feet of 12" RCP was removed and replaced in place with 40 feet of 15" RCP. Thus, 35 feet of drain was removed from the J.W. Brendel – Carmel Street Department Main Facility Arm. This is shown on Sheets 7 and 8 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Aberdeen Bend Arm: The project will remove 136 feet (68 feet each side) of SSD at the entrance to Aberdeen Bend Subdivision. Thus, 136 feet of drain was removed from the J.W. Brendel – Aberdeen Bend Arm. This is shown on Sheet 8 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Hayden Run Section 1 Arm: The project will remove 184 feet (92 feet each side) of SSD at the entrance to Hayden Run Subdivision. Thus, 184 feet of drain was removed from the J.W. Brendel – Hayden Run Section 1 Arm. This is shown on Sheet 9 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Shelborne Park Section 1 Arm: The project will remove 180 feet (90 feet each side) of SSD at the entrance to Shelborne Park Subdivision. Also, Structure 805 of the drain will be removed. A new structure (Structure 37A) will be installed 8 feet to the northeast of the current location of Structure 805 and 8 feet of 12" RCP will be removed. To be added to the drain is 212 feet of 12" RCP from Structure 46 to Structure 47 and then to an end section to outlet at the lake in Hayden Run Section 1. This pipe is the emergency overflow conveyance from the system upstream of the road project, across the right of way, to the downstream drain system. Thus, a net increase of 24 feet will be added to the J.W. Brendel – Shelborne Park Section 1 Arm. This is shown on Sheet 9 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Arm 1: The project will remove 42 feet of the 14" tile from Station 0+00 to Station 0+42 per the 1909 legal description. A new breather will be set at the new location of the end of the tile. To be added to the drain is 114 feet of 24" x 38" elliptical RCP from Structure 55 to an end section at the southern right of way line of 131st Street. This pipe is the emergency overflow conveyance from the system upstream of the road project, across the right of way, to the downstream drain system. Thus, a net increase of 72 feet will be added to the J.W. Brendel – Arm 1. This is shown on Sheet 11 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Lakes at Hayden Run Section 1 Arm: The project will remove 230 feet (115 feet each side) of SSD at the entrance to Lakes of Hayden Run Subdivision. Thus, 230 feet of drain was removed from the J.W. Brendel – Lakes of Hayden Run Section 1 Arm. This is shown on Sheet 13 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

J.W. Brendel Drain – Village of West Clay 6001 Relocation: This portion affected in the tile portion of the main drain and the subsequent Village of West Clay 6001 Relocation per my report dated December 6, 2006, and approved by the Board on January 22, 2007. The project will remove 217 feet of 15" RCP from Structure 613 to Structure 615, per the plans for Village of West Clay Section 6001 by Schneider Engineering, having Project Number 1238.6001 and dated 3/1/05. This section of drain will be replaced with 221 feet of 18" RCP and 19 feet of 12" RCP, starting at Structure 79, then to Structure 77, then Structure 74, then Structure 70, and ending at Structure 71. Also, Structure 78 will be placed south 9 feet of existing Structure 614 per the plans listed above, which will remove 9 feet of 27" RCP. Thus, a net increase of 14 feet will be added to the J.W. Brendel Drain – Village of West Clay 6001 Relocation. This is shown on Sheets 13 and 14 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

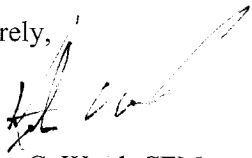
J.W. Brendel Drain: A new Structure (Structure 80) will be set at Sta. 3+40, per the 1909 legal description, on the main drain, and 56 feet of 27" RCP will replace the existing 12" tile to the new relocated Structure 78. The old tile from Sta. 3+40 to Sta. 3+76 will be vacated. Thus, a net increase of 20 feet will be added to the J.W. Brendel Drain. This is shown on Sheet 14 of the plans prepared by Farrar, Garvey & Associates, a division of Clark Dietz, Inc., having City of Carmel Project Number 06-10, and dated April 14, 2008.

The road project will remove 455 feet of the J.W. Brendel 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

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

Drain-Improvement: 131st Street Reconstruction from Towne to Shelborne Rd

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	15"	40			\$9.50 LF	\$380.00
RCP	12"	212			\$7.25 LF	\$1537.00
ERCP	24" X 38"	114			\$52.25 LF	\$5,956.50
RCP	18"	221			\$10.50 LF	\$2,320.50
RCP	12"	19			\$7.25 LF	\$137.75
RCP	27"	56			\$21.30	\$1,192.80

Sum: 662 \$11,524.55

Final Report: _____

Comments:

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: 131st St. from Shelborne Rd. to Towne Rd.)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

Clark Dietz, Inc. and the city of Carmel (hereinafter "Petitioner"),
hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a
section of the J.W. Brendle Drain, and in support of
said petition advises the Board that:

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

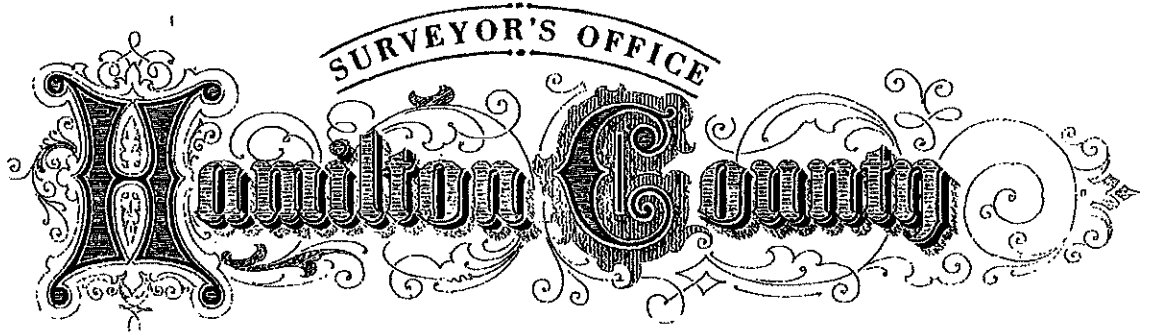
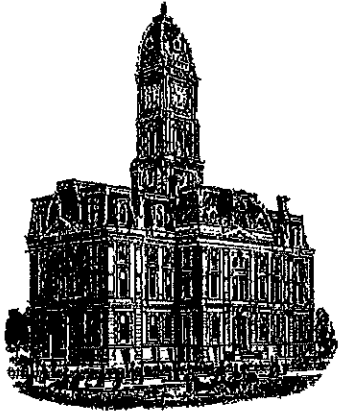
WHEREFORE, Petitioner requests that an Order issued from the Hamilton County
Drainage Board authorizing relocation and reconstruction of the J.W. Brendle
Drain, in conformance with applicable law and plans and specifications on file with the Hamilton
County Surveyor.


Signed

Mike McBride, P.E.

Printed

klw



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

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

To: Hamilton County Drainage Board

June 14, 2017


Re: JW Brendle Drain: 131st Street -Towne Rd to Shelborne Rd Reconstruction

Attached are as-built information and other information for 131st Street – Towne Rd to Shelborne 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 September 8, 2008. (See Drainage Board Minutes Book 11, Pages 306-307) The changes are as follows: the 15” RCP was removed from the project. The 12” RCP was shortened from 231 feet to 54 feet. The 24”x38” ERCP was shortened from 114 feet to 108 feet. The 18” RCP was lengthened from 221 feet to 401 feet. The 27” was shortened from 56 feet to 54 feet. The length of the drain due to the changes described above is now **617 feet**. The project removed 1,117 feet of existing drain. Thus, the project shortened the overall length of drain by 500 feet.

A non-enforcement was not requested as all work was done within existing right of way or drainage easement. The project was paid for by the City of Carmel and thus, no surety was required.

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

13st Street from Towne to Shelborne – As-built (BR 2017)

Sheet 7

Structure 15 – West invert = 909.68 (#1018)
East invert = 909.64 (#1019)
TC N. Rim = 917.38 (#1017)
Pipe sizes 24"Ø R.C.P. E/W ,12"Ø R.C.P. South = 910.65 (#1020)

Sheet 8

Structure between 21 and 15 -

West invert = 909.50 (#1034)
East invert = 909.52 (#1035)
TC = 917.69 (#1032)
Pipe sizes 24"Ø West, 24"Ø East, 12"Ø North = 910.12 (#1033)

Structure 21 - West invert = 909.50 (#1023)
East invert = 909.49 (#1022)
TC = 916.52 (#1021)
Pipe sizes 24"Ø West, 30"Ø East, 24"Ø SW = 910.19 (#1024)

(Exist. 731)

Structure 28 - West invert = 909.04 (#1026)
East invert = 909.06 (#1027)
South invert = 909.13 (#1028)
TC = 914.00 (#1025)
Pipe sizes 30"Ø West, 30"Ø East, 12"Ø South

Structure 26 - North invert = 910.64 (#1031)
TC/Gutter = 914.61 (#1030)
Pipe size and length from 28 to 26 39 Lin. Ft. 12"Ø R.C.P.

Sheet 9

Structure 37A - North invert = 907.58 (#1037)
TC = 914.83 (#1036)
Pipe size 12"Ø R.C.P.

Sheet 10

Structure 46 - South invert = 906.48 (#1039)
TC = 908.87 (#1038)

Structure 47 - North invert = 906.14 (#1041)
South invert = 906.15 (#1042)
TC = 908.34 (#1040)
Pipe size and length from 46 to 47 99.80 Lin. Ft. 18"Ø R.C.P.

(47E)

End Section - Invert = 902.93 (#1043)
Pipe size and length from 47 to end section 92.15 Lin. Ft. 18"Ø R.C.P.

Sheet 11

Structure 55 – Invert = **902.43 (#1047)**

End Section - Invert = **901.93 (#1046)**

Pipe size and length from 55 to end section **108 Lin. Ft. 24" x 38"**

Tile breather - location n Rim = **902.30 (#1045) Inv. = 899.31 (#1044)**

Sheet 13

Structure 71 - North invert = **899.72 (#1053)**

TC = **905.10 (#1048)**

Structure 70 - South invert = **898.91 (#1051)**

East Invert = **898.88 (#1050)**

TC = **905.10 (#1048)**

Pipe size and length from 71 to 70 **15 Lin. Ft. 12"Ø R.C.P.**

West Invert = 898.93 (#1049)

Sheet 14

Structure 74 - West invert = **898.62 (#1059)**

East Invert = **898.62 (#1060)**

TC = **904.33 (#1057)**

Pipe size and length from 70 to 74 **66 Lin. Ft. 18"Ø R.C.P.**

12"Ø North = 898.64 (#1058)

Structure 77 - West invert = **898.29 (#1062)**

East invert = **898.30 (#1063)**

TC = **903.51 (#1061)**

Pipe size and length from 74 to 77 **102.7 Lin. Ft. 18"Ø R.C.P.**

12"Ø North = 898.26 (#1064)

(Exist. 613)

Structure 79 - West invert = **898.29 (#1069)**

TC = **903.67 (#1068)**

Pipe size and length from 77 to 79 **39.9 Lin. Ft. 18"Ø R.C.P.**

27"Ø North = 898.08 (#1071) 12"Ø Southeast = 898.14 (#1070)

Structure 78 - South invert = **898.38 (#1074)**

North East invert = **898.37 (#1073)**

TC = **903.96 (#1072)**

Pipe size and length from 79 to 78 **51.4 Lin. Ft. 27"Ø R.C.P.**

Structure 80 - South West invert = **898.91 (#1076)**

TC = **902.44 (#1075)**

Pipe size and length from 78 to 80 **54 Lin. Ft. 27"Ø R.C.P.**

Sheet 15

Structure 94 - West invert = **898.54 (#1084)**

East invert = **898.42 (#1085)**

TC = **904.80 (#1082)**

Pipe sizes **18"Ø West = 18"Ø East**

HAMILTON COUNTY BOARD OF COMMISSIONERS
INST. #2003-00025256

105+00

SEC. 29, T18N, R3E
CLAY TOWNSHIP
HAMILTON CO.

NOTE:
MATCH WITH 131st ST. & SHELBORNE RD.
(STA. _____ ROUNDABOUT PROJECT)

BEGIN PROJECT
STA. 108+50.00"PR-A" =
STA. 108+50.21"A", 11.92' LT.
[Monument, Type B Req'd.]

NOTE:
IF SHELBORNE & 131st ST. ROUNDABOUT NOT UNDER CONSTRUCTION BY THE END OF THIS PROJECT, SEE DETAIL FOR TEMPORARY PAVEMENT TIE-BACK TO EXISTING 131st ST.

+50 STR. No. 15
M.H. C-4 & 6" of 24" Pipe Req'd.
(Construct Over & Connect to Ex. Pipe)

+50 STR. No. 16
C.B. M-10 & 25' of 12" Pipe Req'd.

P.O.T. 101+99.15"PR-A" =
P.O.T. 102+00.00"A", 40.72' LT.

P.O.T. 100+00.00"A"

FREDERICK W. & CHERI J. ORTH, JR.
INST. #2004-00037257

COUNTRY VIEW ESTATES
INST. #1999-09917517
PC 2, SLIDE 241

C.A. #1
Var. D.U. & L.S.E.
SECONDARY PLAT ABERDEEN BEND
INST. #2005-00066134
PC 3, SLIDE 739

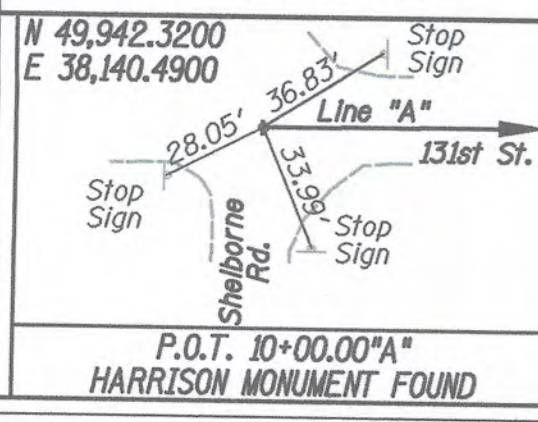
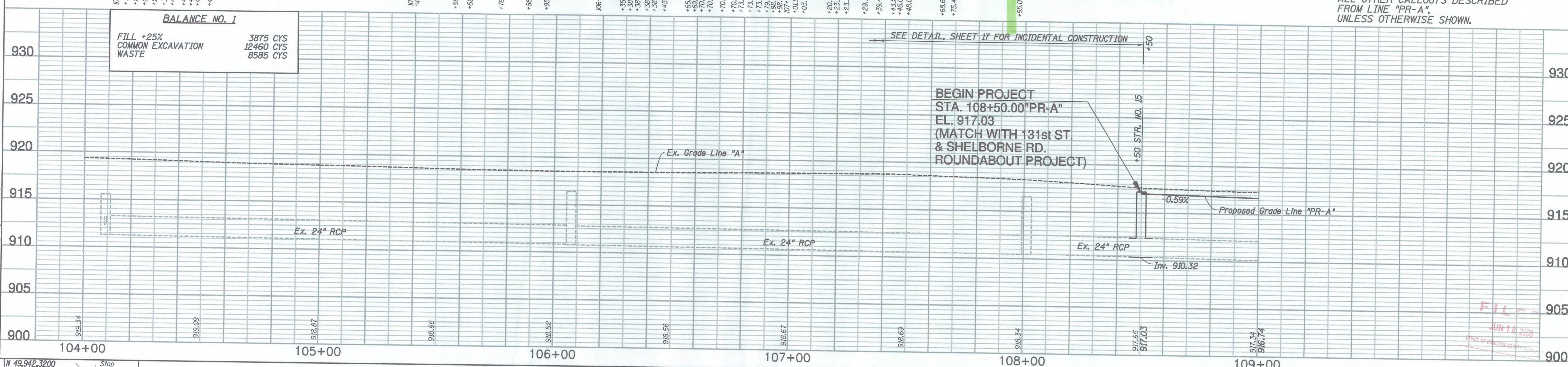
LEGEND

- (G) Recreation Path
165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate Type "B" on 5" Compacted Aggregate #53 Base on Compacted Subgrade
- (K) HMA Pavement
165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 06, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade
- (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
- (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
- (22) Decorative Colored / Patterned Concrete (6" Thickness)
- (26) Sodding

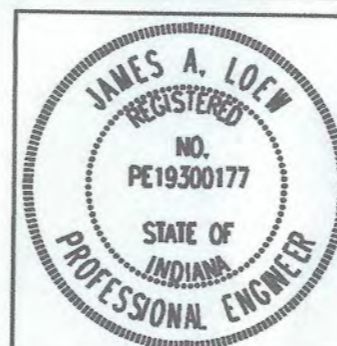
MATCH LINE STA. 109+00 SEE NEXT SHEET

ALL R/W & TOPOGRAPHY CALLOUTS DESCRIBED FROM LINE "A", EXCEPT AS SHOWN.

ALL OTHER CALLOUTS DESCRIBED FROM LINE "PR-A", UNLESS OTHERWISE SHOWN.



TBM #1 DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER TABLE STAMPED
"LEE 2 1989" AND "AZ 1"
PUBLISHED ELEVATION UNKNOWN.
STA. 100+23.25"A", 20.18' RT., EL. 917.99



RECOMMENDED FOR APPROVAL
DESIGNED: JAL DRAWN: MP
CHECKED: MK CHECKED: MK

CITY OF CARMEL
PLANNING & DESIGN
131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	7 of 78
	PROJECT CARMEL 06-10

Farrar, Garvey & Associates
a Division of Clark Dietz, Inc.
8900 Reptone Crossing, Suite 900
Indianapolis, IN 46240
(317) 844-9900 FAX (317) 844-9158

added by
Outlet permit
2/20/06
cccc05

SEC. 29, T18N, R3E
CLAY TOWNSHIP
HAMILTON CO.

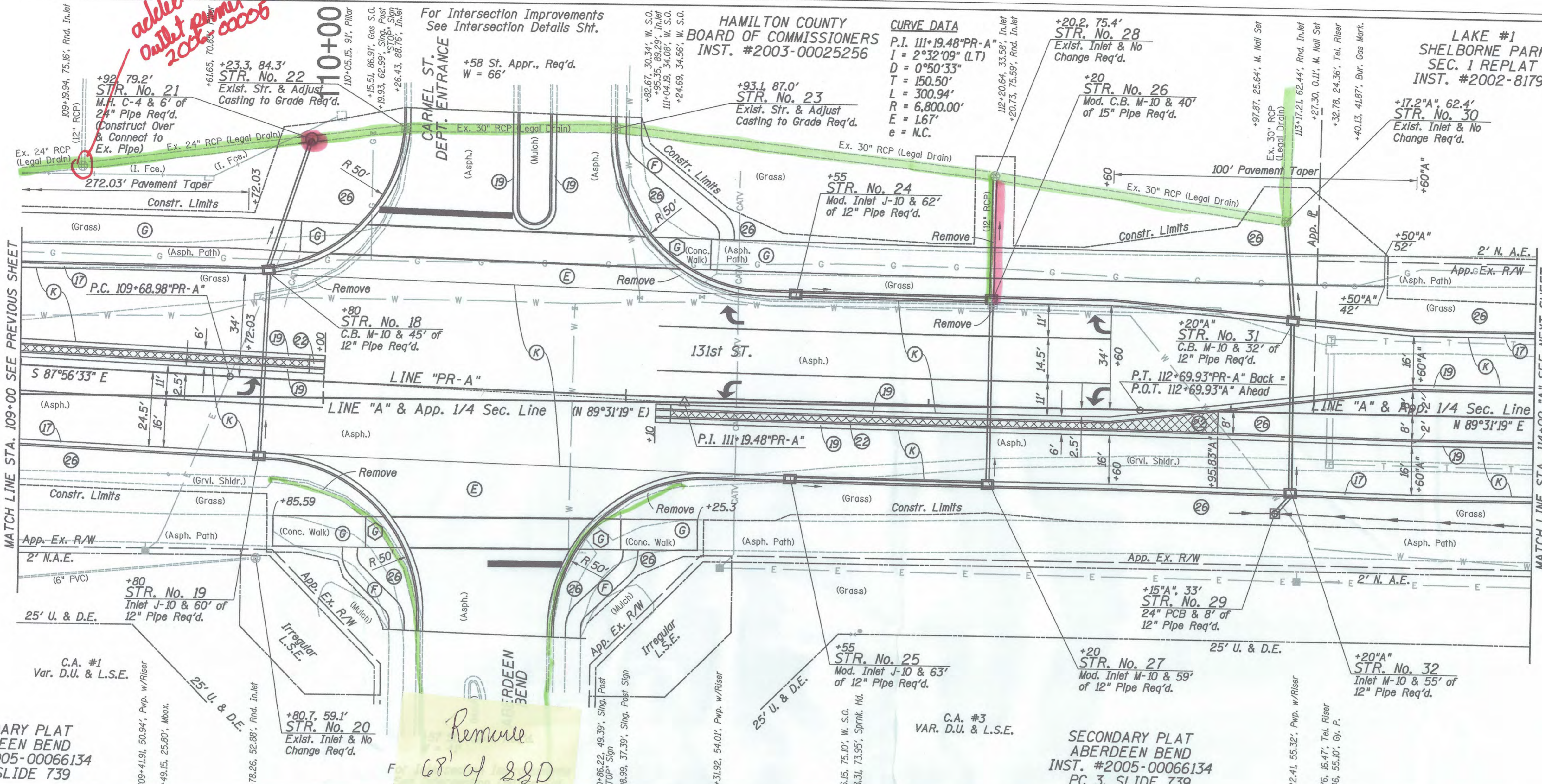
LAKE #1
SHELBORNE PARK
SEC. 1 REPLAT
INST. #2002-81795

HAMILTON COUNTY
BOARD OF COMMISSIONERS
INST. #2003-00025256

CURVE DATA
P.I. 111+19.48*PR-A
I = 2°32'09" (LT)
D = 0°50'33"
T = 150.50'
L = 300.94'
R = 6,800.00'
E = 1.67'
e = N.C.

LEGEND

- (E) HMA For Approaches, Type C (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 06, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (F) Sidewalk, Concrete, 4 in
- (G) Recreation Path (165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate Type "B" on 5" Compacted Aggregate #53 Base on Compacted Subgrade)
- (K) HMA Pavement (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 06, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
- (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
- (22) Decorative Colored / Patterned Concrete (6" Thickness)
- (26) Sodding
- (Hexagon) Concrete Curb Ramp (Decorative Colored & Stamped) (Type Is Indicated By Letter Inside Hexagon)



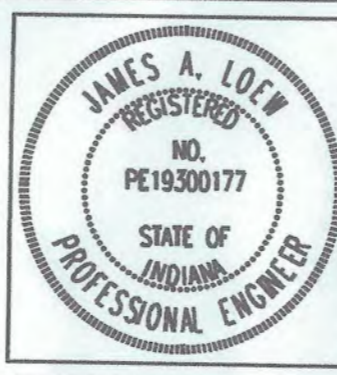
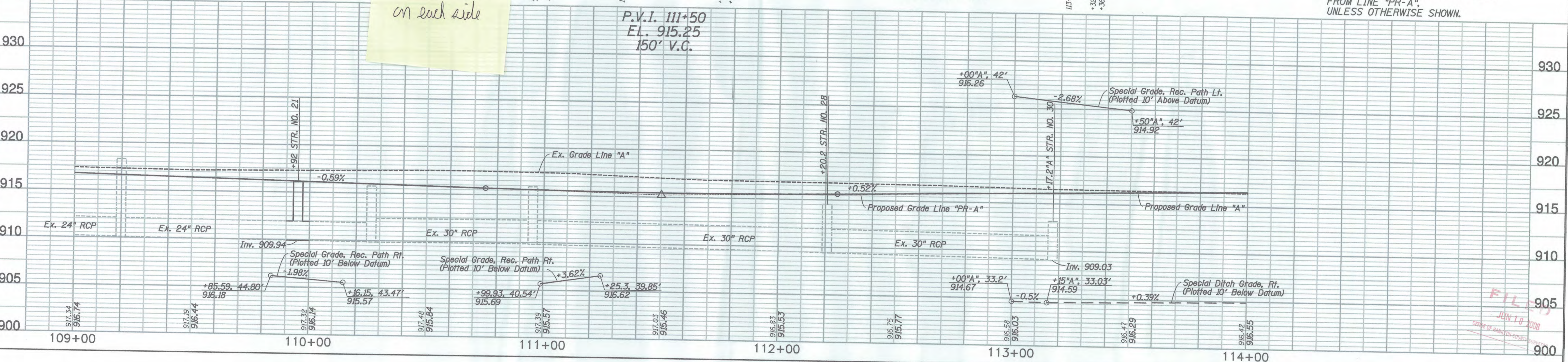
SECONDARY PLAT
ABERDEEN BEND
INST. #2005-00066134
PC 3, SLIDE 739

SECONDARY PLAT
ABERDEEN BEND
INST. #2005-00066134
PC 3, SLIDE 739

ALL R/W & TOPOGRAPHY CALLOUTS
DESCRIBED FROM LINE "A",
EXCEPT AS SHOWN.

ALL OTHER CALLOUTS DESCRIBED
FROM LINE "PR-A",
UNLESS OTHERWISE SHOWN.

Remove
68' of 88D
on each side



RECOMMENDED FOR APPROVAL
DESIGNED: JAL
CHECKED: MK
DRAWN: MP
CHECKED: MK
DATE: 04-14-08

CITY OF CARMEL
PLAN & PROFILE
131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	8 of 78
	PROJECT
	CARMEL 06-10

FILED
JUN 10 2008
DEPT. OF PUBLIC WORKS

Farrar, Garvey & Associates
a Division of Clark Dietz
8900 Keystone Crossing, Suite 900
Indianapolis, IN 46240
(317) 844-8900 FAX (317) 844-9138

LAKE #1
SHELBORNE PARK
SEC. 1 REPLAT
INST. #2002-81795

115+00

SEC. 29, T18N, R3E
CLAY TOWNSHIP
HAMILTON CO.

+60
STR. No. 35
Inlet M-10 & 63' of
12" Pipe Req'd.

+50, 42.9'
STR. No. 34
24" P.C.B. & 14' of
12" Pipe Req'd.

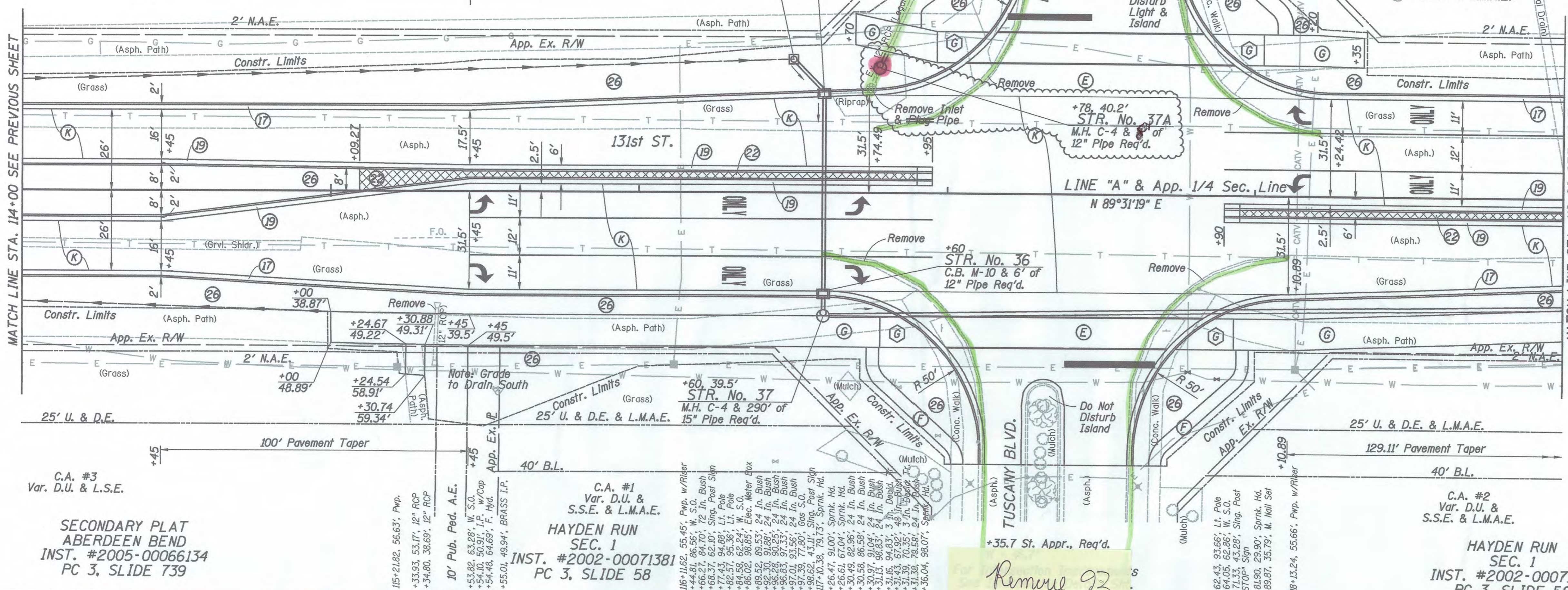
Remove 90
feet of 22.5
on each side

LAKE #1
SHELBORNE PARK
SEC. 1 REPLAT
INST. #2002-81795

C.A. #2
Var. D.U. &
S.S.E. & L.M.A.E.

LEGEND

- (C) PCCP For Approaches, 6" on 6" Compacted Aggregate, No. 53, Base
- (E) HMA For Approaches, Type C (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on 385#/Syd HMA Intermediate, Type C, 0G, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (F) Sidewalk, Concrete, 4 in
- (G) Recreation Path (165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate, Type C, 19.0mm on 5" Compacted Aggregate #53 Base on Compacted Subgrade)
- (K) HMA Pavement (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 0G, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
- (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
- (22) Decorative Colored / Patterned Concrete (6" Thickness)
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- (Hexagon) Concrete Curb Ramp (Decorative Colored & Stamped) (Type is Indicated by Letter Inside Hexagon)



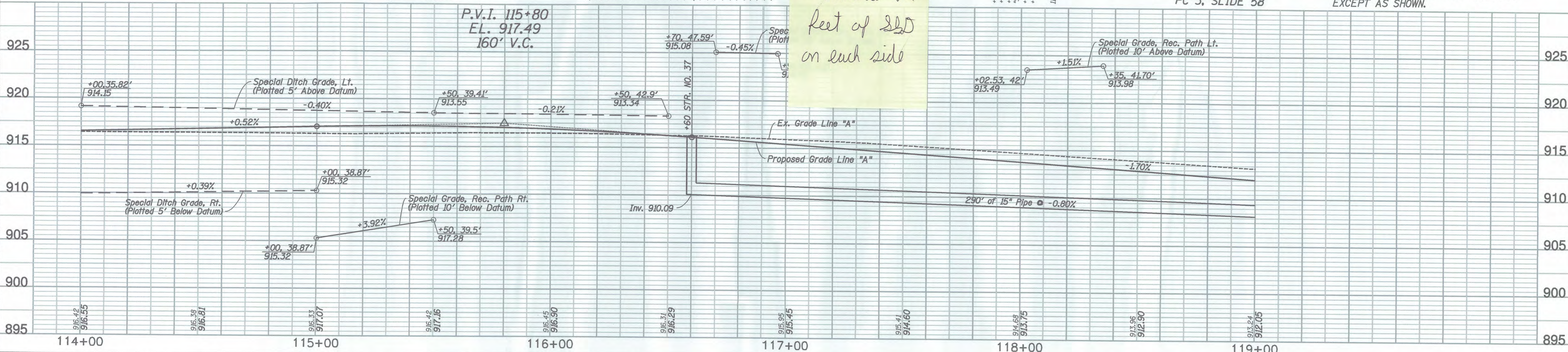
SECONDARY PLAT
ABERDEEN BEND
INST. #2005-00066134
PC 3, SLIDE 739

P.V.I. 115+80
EL. 917.49
160' V.C.

Remove 92
feet of 22.5
on each side

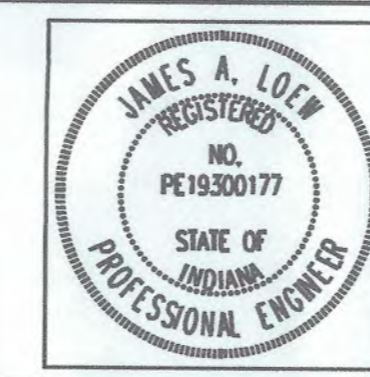
HAYDEN RUN
SEC. 1
INST. #2002-00071381
PC 3, SLIDE 58

ALL R/W DESCRIBED FROM LINE "A",
EXCEPT AS SHOWN.



REVISION NO. 1 (5-2-08)
- Added C-4 Manhole at Sta. 116+78"A", 40.2' Lt.

TBM #2 N. NE. BOLT ON FIRE HYDRANT
STA. 115+54.64"A", 64.20' RT., EL. 917.01

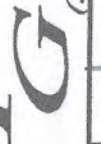


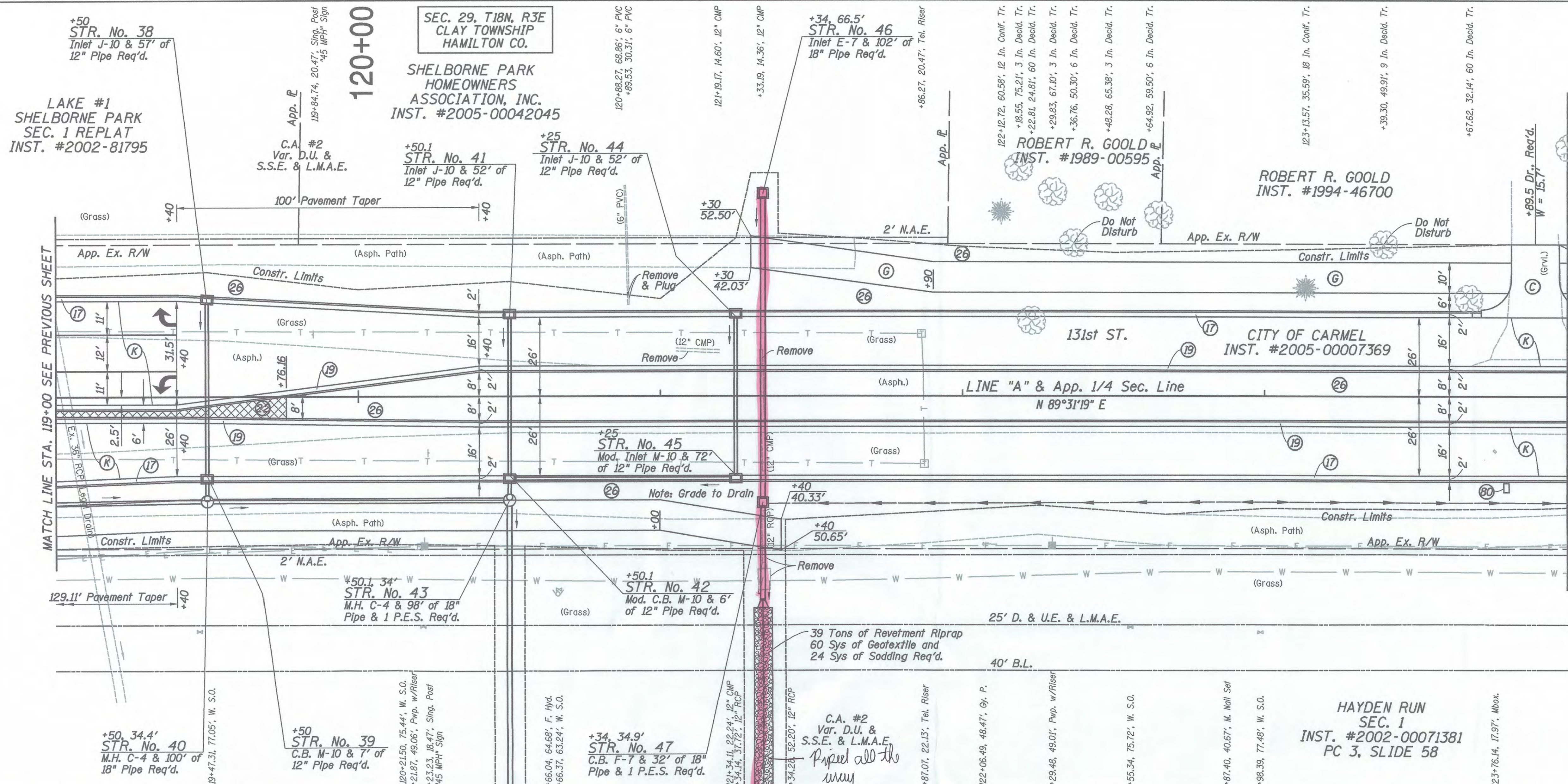
RECOMMENDED FOR APPROVAL
DESIGNED: JAL DRAWN: MP
CHECKED: MK CHECKED: MK

CITY OF CARMEL
PLAN & PROFILE
131st STREET

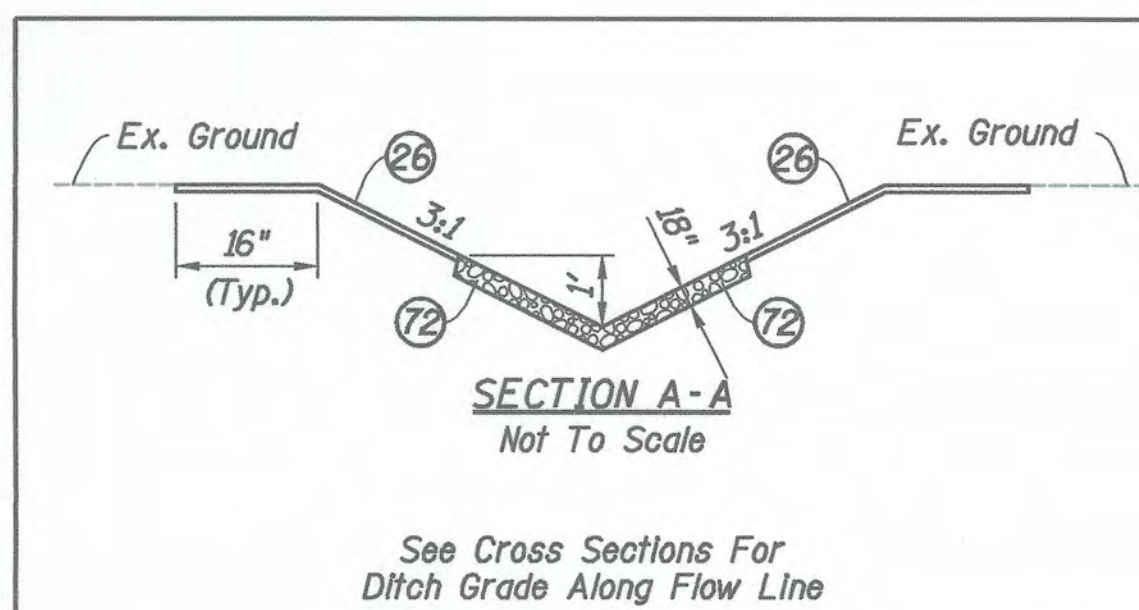
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	9 of 78
	PROJECT
	CARMEL 06-10

Farrar, Garvey & Associates
 a Division of Clark Dietz, Inc.
 8900 Keystone Crossing, Suite 900
 Indianapolis, IN 46240
 (317) 844-8900 FAX (317) 844-9158

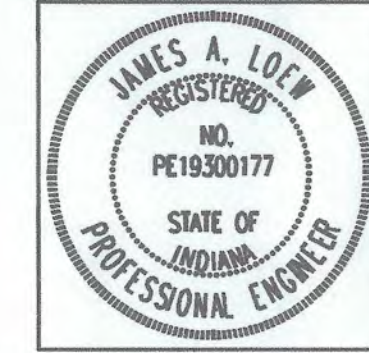
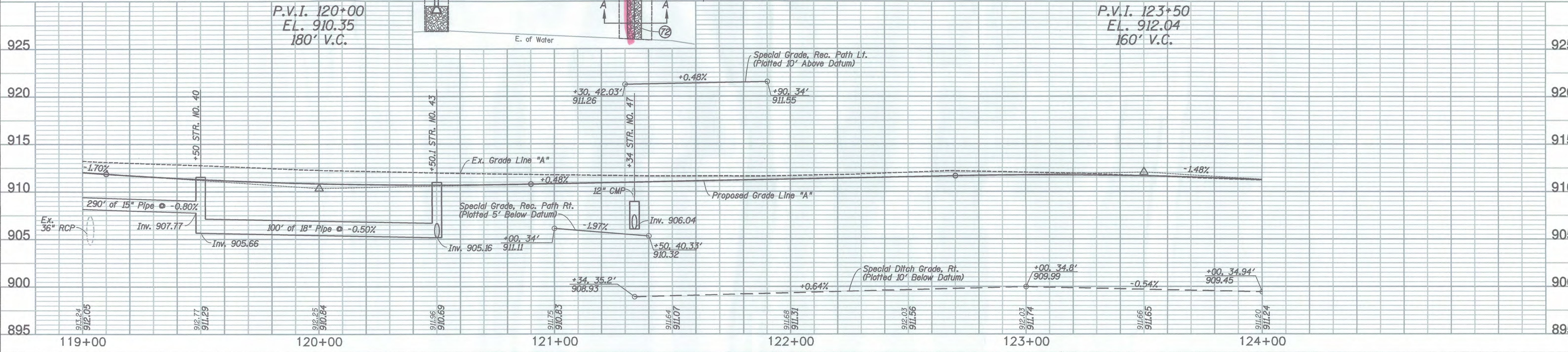




- LEGEND**
- (C) PCCP For Approaches, 6" on 6" Compacted Aggregate, No. 53, Base
 - (G) Recreation Path
165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate Type "B" on 5" Compacted Aggregate #53 Base on Compacted Subgrade
 - (K) HMA Pavement
165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 06, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade
 - (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
 - (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
 - (22) Decorative Colored / Patterned Concrete (6" Thickness)
 - (26) Sodding
 - (72) Riprap, Revetment
 - (80) Mailbox Assembly, Single



ALL R/W DESCRIBED FROM LINE "A", EXCEPT AS SHOWN.



RECOMMENDED FOR APPROVAL
 James A. Lovv
 DESIGN ENGINEER DATE 04-14-08

DESIGNED: JAL DRAWN: MP
 CHECKED: MK CHECKED: MK

CITY OF CARMEL
 PLAN & PROFILE
 131st STREET

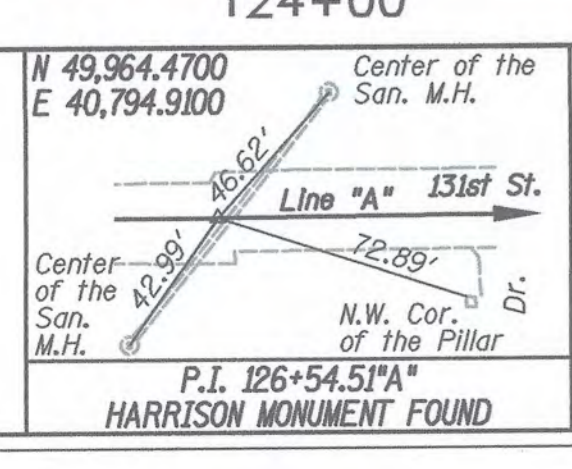
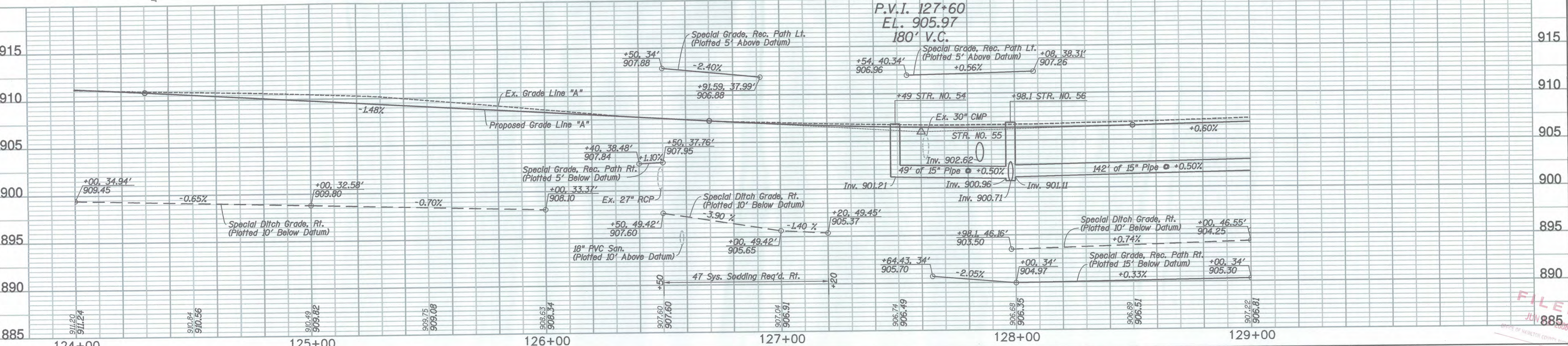
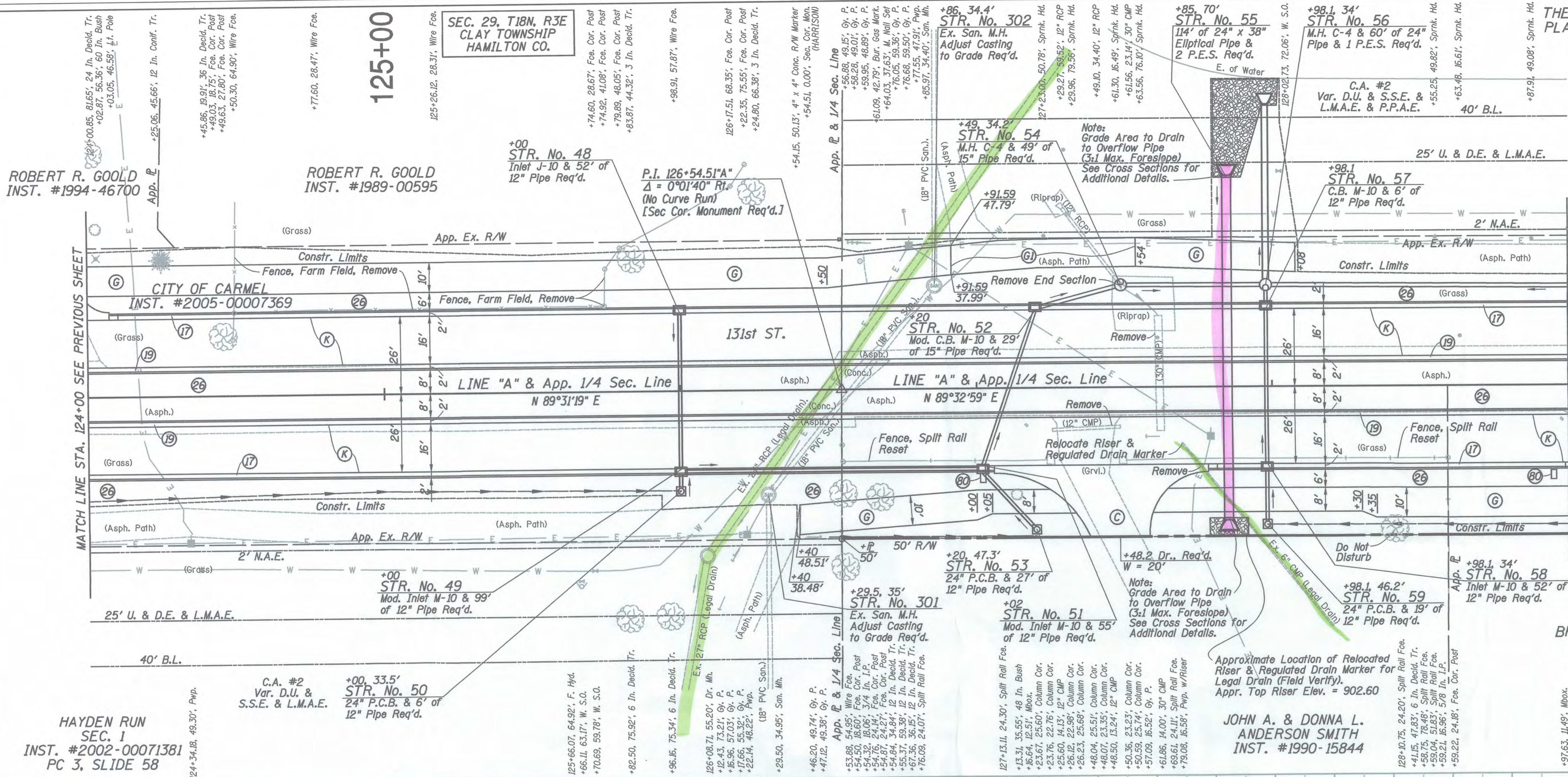
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	10 of 78
	PROJECT
	CARMEL 06-10



THE LAKES AT HAYDEN RUN
PLAT CABINET 3, SLIDE 69

LEGEND

- (C) PCCP For Approaches, 6" on 6" Compacted Aggregate, No. 53, Base
- (G) Recreation Path
165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate Type "C" on 5" Compacted Aggregate #53 Base on Compacted Subgrade
- (GI) Resurface Recreation Path
110#/Syd HMA Surface Type "B"
- (K) HMA Pavement
165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, 0G, 19.0mm on Compacted Subgrade
- (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
- (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
- (26) Sodding
- (80) Mailbox Assembly, Single



TBM #3 N. NW. BOLT ON FIRE HYDRANT STA. 125+65.97" A", 64.54' RT., EL. 911.52



RECOMMENDED FOR APPROVAL: *James A. Loew* 04-14-08
DESIGN ENGINEER DATE

DESIGNED: JAL DRAWN: MP
CHECKED: MK CHECKED: MK

CITY OF CARMEL

PLAN & PROFILE
131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	11 of 78
	PROJECT
	CARMEL 06-10

Farar, Garvey & Associates
 a Division of Clark, Inc.
 8900 LeFlore Road, Suite 900
 Indianapolis, IN 46240
 (317) 844-8900 FAX (317) 844-9158
Clark Dietz
 ENGINEERS

FILED
JUN 8 2008
OFFICE OF HAMILTON COUNTY CLERK

THE LAKES AT HAYDEN RUN
PLAT CABINET 3, SLIDE 69

C.A. #2
Var. D.U. & S.S.E. &
L.M.A.E. & P.P.A.E.

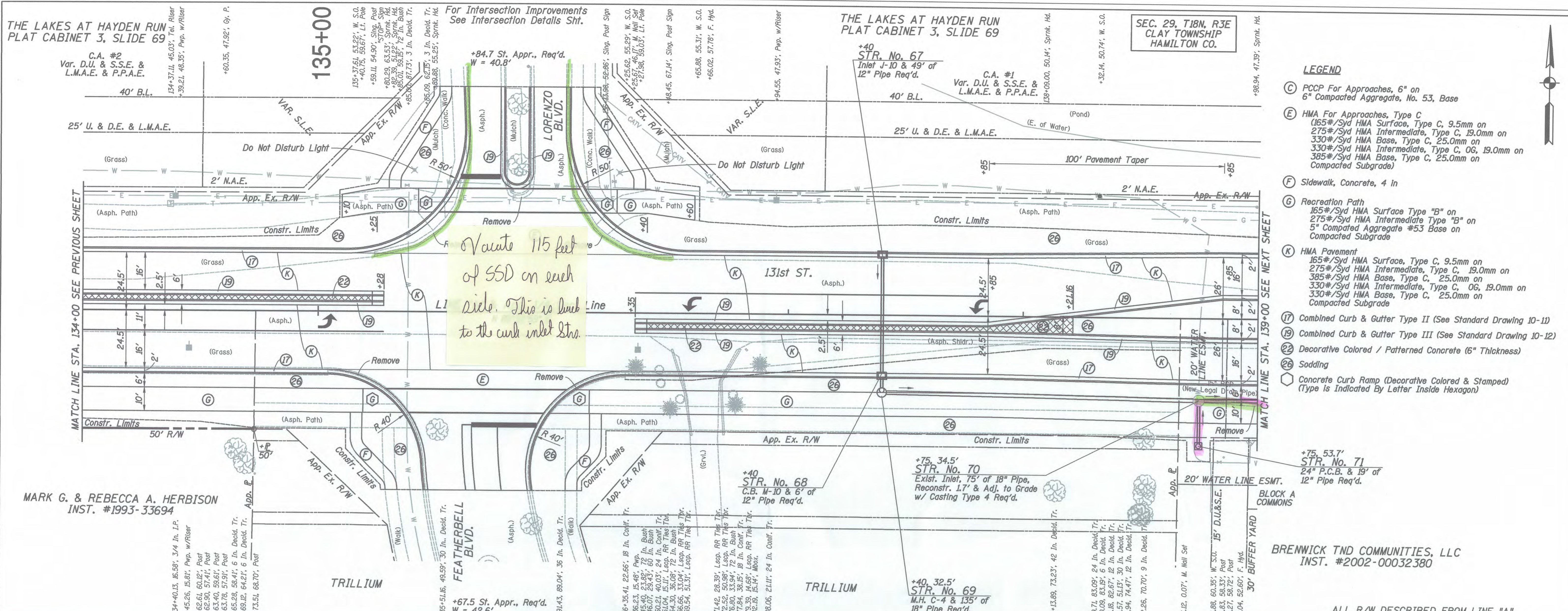
THE LAKES AT HAYDEN RUN
PLAT CABINET 3, SLIDE 69

C.A. #1
Var. D.U. & S.S.E. &
L.M.A.E. & P.P.A.E.

SEC. 29, T18N, R3E
CLAY TOWNSHIP
HAMILTON CO.

LEGEND

- (C) PCCP For Approaches, 6" on 6" Compacted Aggregate, No. 53, Base
- (E) HMA For Approaches, Type C (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, OG, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (F) Sidewalk, Concrete, 4 in
- (G) Recreation Path (165#/Syd HMA Surface Type "B" on 275#/Syd HMA Intermediate Type "B" on 5" Compacted Aggregate #53 Base on Compacted Subgrade)
- (K) HMA Pavement (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on 330#/Syd HMA Intermediate, Type C, OG, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
- (17) Combined Curb & Gutter Type II (See Standard Drawing 10-11)
- (19) Combined Curb & Gutter Type III (See Standard Drawing 10-12)
- (22) Decorative Colored / Patterned Concrete (6" Thickness)
- (26) Sodding
- (Hexagon) Concrete Curb Ramp (Decorative Colored & Stamped) (Type is Indicated by Letter Inside Hexagon)

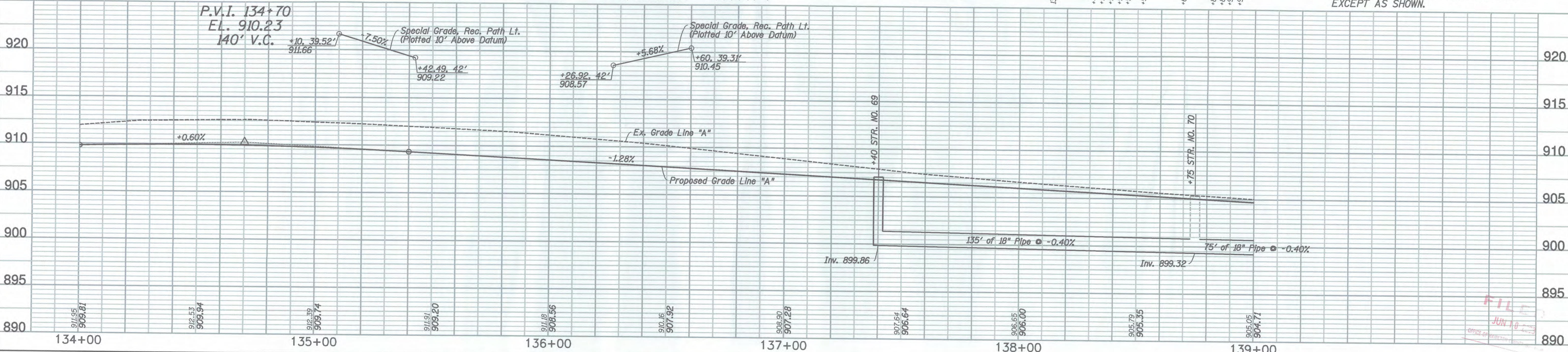


Vacate 115 feet of SSD on each side. This is back to the curb inlet str.

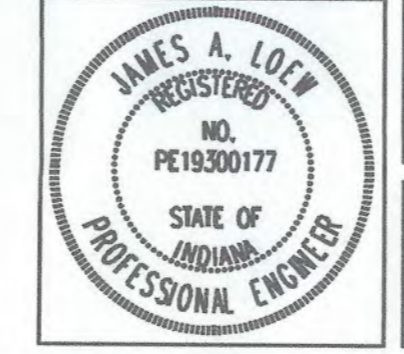
MARK G. & REBECCA A. HERBISON
INST. #1993-33694

BRENNICK TND COMMUNITIES, LLC
INST. #2002-00032380

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DESIGN ENGINEER DATE

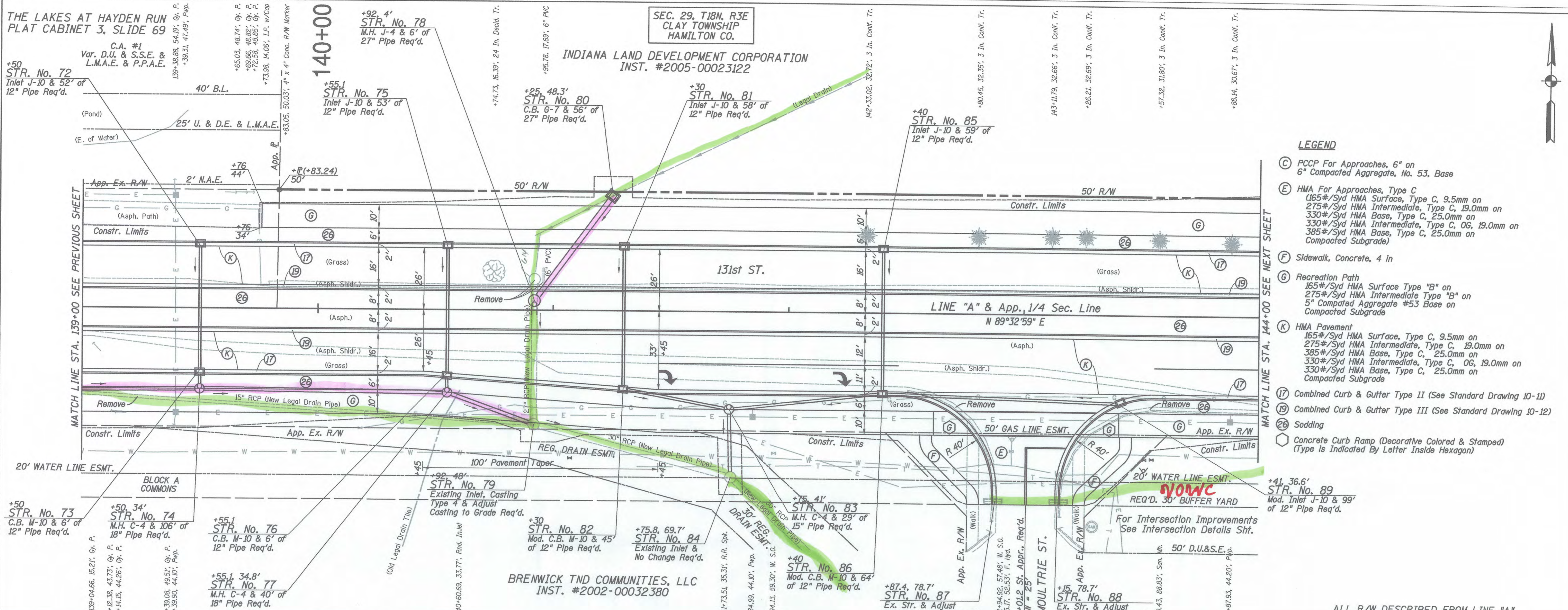
DESIGNED: JAL DRAWN: MP
CHECKED: MK CHECKED: MK

CITY OF CARMEL

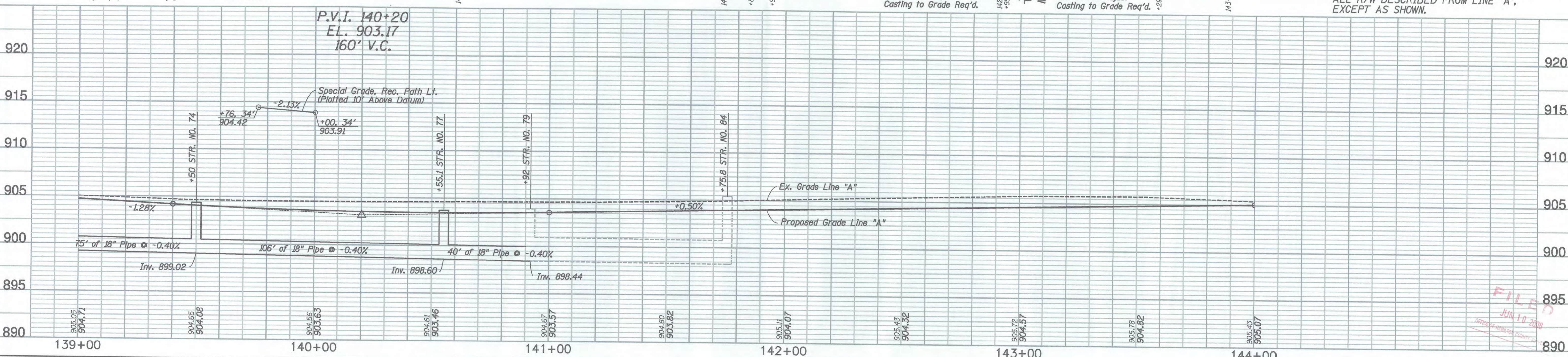
PLAN & PROFILE
131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	13 of 78 PROJECT
	CARMEL 06-10

FILE
JUN 10

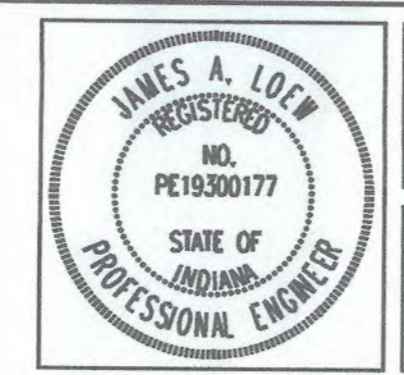


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 - (E) HMA For Approaches, Type C (165#/Syd HMA Surface, Type C, 9.5mm on 275#/Syd HMA Intermediate, Type C, 19.0mm on 330#/Syd HMA Base, Type C, 25.0mm on 385#/Syd HMA Intermediate, Type C, 06, 19.0mm on 385#/Syd HMA Base, Type C, 25.0mm on Compacted Subgrade)
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 - (26) Sodding
 - (Hexagon) Concrete Curb Ramp (Decorative Colored & Stamped) (Type Is Indicated By Letter Inside Hexagon)



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 (317) 844-8000 FAX (317) 844-9158



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CITY OF CARMEL

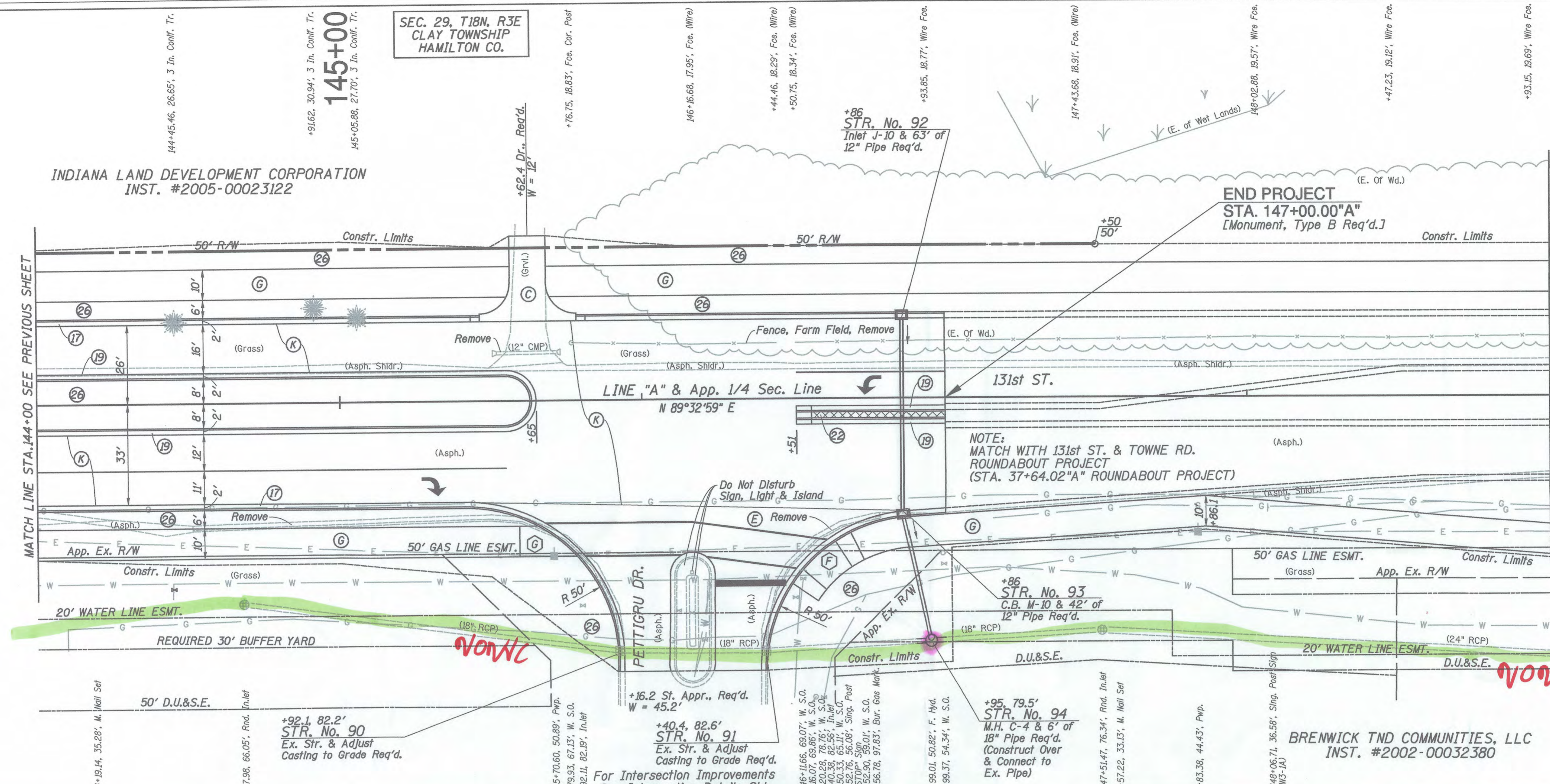
PLAN & PROFILE
 131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
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SURVEY BOOK	SHEETS
CONTRACT	14 of 78
	PROJECT CARMEL 06-10

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 JUN 10 2008
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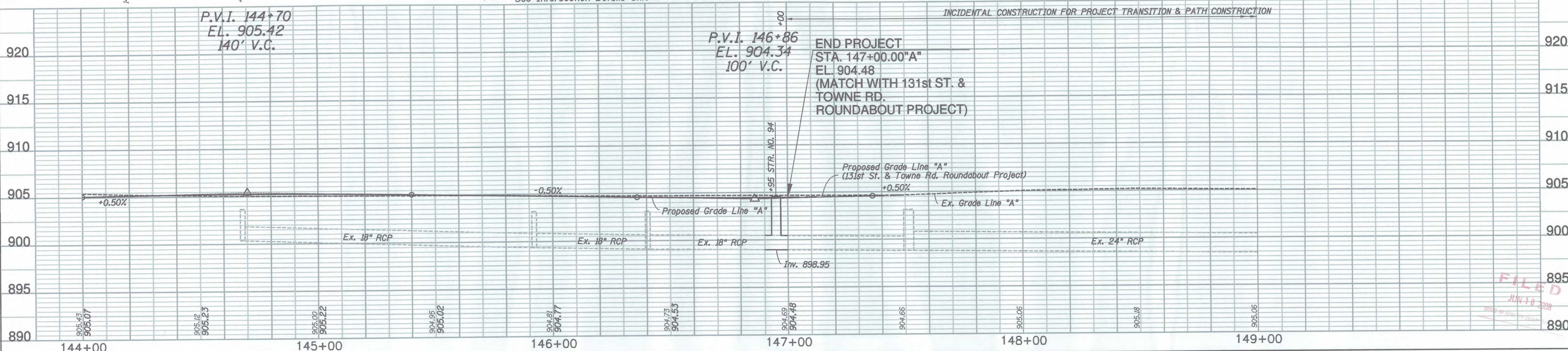
SEC. 29, T18N, R3E
 CLAY TOWNSHIP
 HAMILTON CO.

145+00
 3 In. Conif. Tr.
 +91.62, 30.94', 3 In. Conif. Tr.
 +45+05.88, 27.70', 3 In. Conif. Tr.



- LEGEND**
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JAMES A. LOEW
 REGISTERED
 NO. PE18300177
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
James A. Loew 04-14-08
 DESIGN ENGINEER DATE

DESIGNED: JAL DRAWN: MP
 CHECKED: MK CHECKED: MK

CITY OF CARMEL

PLAN & PROFILE
 131st STREET

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	15 of 78
	PROJECT
	CARMEL 06-10