

Kenton C. Ward, CFM
Surveyor of Hamilton County
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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

November 9, 2015

To: Hamilton County Drainage Board

Re: Anna Kendall Drain, Goodrich Brothers Arm, U.S. 31 Reconstruction - Revised

This report is a revised report to replace the previous Surveyor's Report dated February 5, 2013 and approved by the Drainage Board on April 22, 2013 (DB Minute Book 14, Pages 569-570).

Attached are petition, plans, and other information for the proposed reconstruction of the Goodrich Brothers Arm of the Anna Kendall Drain, for the U.S. 31 Road Project. The reconstruction was petitioned by the Indiana Department of Transportation. During the road reconstruction, the Anna Kendall Drain, Goodrich Brothers Arm will be affected and those changes are as follows:

Goodrich Brothers Arm

The project will reconstruct a portion of Anna Kendall Drain, Goodrich Brothers Arm. The reconstruction will start by placing a new manhole approximately 75 feet east of existing structure 501, per the original 1905 legal description. The new drain shall begin at the new manhole, Str. 7703A, then 171 feet of 15" RCP to new Str. 7703B, then 371 feet of 15" RCP to new Str. 7703C, then 396 feet of 15" RCP to new Str. 7703D, then 396 feet of 15" RCP to new Str. 7703E, and then 407 feet of 15" RCP to a new end section discharging to the Anna Kendall Drain about Sta. 137+86. The existing Arm 1 of the Goodrich Brothers Arm, from existing Str. 100 to Str. 101, along with Str. 500 on the main line, which is within the west Right of Way for U.S. 31, shall be removed. This is as shown on sheets 41-A, 42-A, 43-A, 77-A, 79-A, 80-A, 92-A, and 93-A of the U.S. 31 Construction plans having project number 1298685, contract number IR-35602, and dated May 29, 2013.

The total length of new drain shall be 1,741 feet. The 577 feet of original drain between Sta. 7+60 and Sta. 11+65 of the main drain, which runs under U.S. 31, and Sta. 0+00 and Sta. 1+72 of Arm 1 shall be vacated. This proposed reconstruction will result in an additional 1,164 feet to the total length of the Goodrich Brothers Arm.

The responsibility of the original tile from Sta. 7+60 to Sta. 11+65 under the approach ramps to the U.S. 31 Bridge over S.R. 32 will be that of Indiana Department of Transportation.

The cost of the reconstruction is to be paid by the Indiana Department of Transportation.

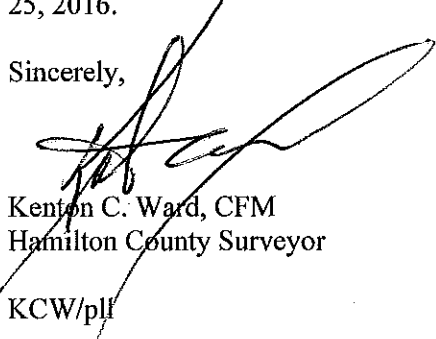
Since the petitioner is the Indiana Department of Transportation and is being performed under public bid process, no bond is required for the relocation/reconstruction work.

The easement for this drain shall remain the existing statutory 75' from the centerline of the tile, as per IC 36-9-27-33, or the western ROW line of U.S. 31, which is about 45' west of the center line of the tile in the narrowest spot. This will change or add easement on the following parcels:

<u>Parcel</u>	<u>Owner</u>
09-09-01-01-02-005.000	CSX Transportation, Inc.
09-09-01-02-01-016.000	City of Noblesville
Westfield Business Park Court ROW	City of Westfield
U.S. 31 ROW	Indiana Department of Transportation

I recommend the Board set a hearing for this proposed drain reconstruction for January 25, 2016.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/plf

Anna Kendall #284, Goodrich Brothers Arm

U.S. 31 Reconstruction

*No change in current maintenance assessment.

*Cost of reconstruction to be paid by INDOT.

Will add 1741' of new drain and vacate 405' of original drain from Sta. 7+60 to 11+65 and 175' of Arm 1 from Sta. 0+00 to 1+72. The easement will remain 75' from center of tile on each side of ditch or the western ROW line of US31 which is about 45' west of center line of tile in the narrowest spot.

Hearing: 01/25/16

Parcel	Owner	Description	Benefit	MntAsmt	RecAsmt	Percent of Total
99-99-99-99-99-999.002	Indiana Department Of Transportation	S1 T18 R3 US31 ROW	n/a	*	*	25.00%
99-99-99-99-99-999.010	City of Westfield	S1 T18 R3 Westfield Business Park Ct	n/a	*	*	25.00%
09-09-01-02-01-016.000	City of Noblesville	S1 T18 R3 0.50 Ac	n/a	*	*	25.00%
09-09-01-01-02-005.000	CSX Transportation Inc.	S1 T18 R3 0.10 Ac	n/a	*	*	25.00%

Memorandum

Date: November 4, 2015
To: Hamilton County Drainage Board
From: Greg Hoyes
RE: INDOT – Goodrich Brothers Arm Revision

This memorandum is to outline the timeline of the review and approval of the Goodrich Brothers Arm Reconstruction and why INDOT/CHA is requesting a major revision to the previously approved reconstruction report.

2010 to 2012 – Many meetings and preliminary information regarding the overall US 31 project and the Goodrich Reconstruction, which became known as Drain Permit Reference Number 20.

August 6, 2012 – Petition for reconstruction of Anna Kendall and Goodrich Brothers Arm submitted to our office.

August 20, 2012 – Construction plan and Drainage Calculation submitted for review.

February 5, 2013 – Surveyor’s Report written for Drain Reconstruction.

March 11, 2013 – Report present to Drainage Board and hearing date set.

April 22, 2013 – Reconstruction hearing held and approved by the Drainage Board.

2013 to 2015 – Discovered contractor did not bid form plan set our office reviewed and the pipe was not replaced under US 31. Progress meetings attended and options reviewed to continue drainage under US 31.

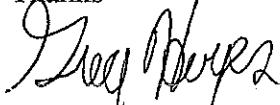
September 8, 2015 – Plan submitted by CHA to reroute drainage along west side of US 31 to Anna Kendall Drain.

September 14, 2015 – Revised plans and new petition submitted to our office.

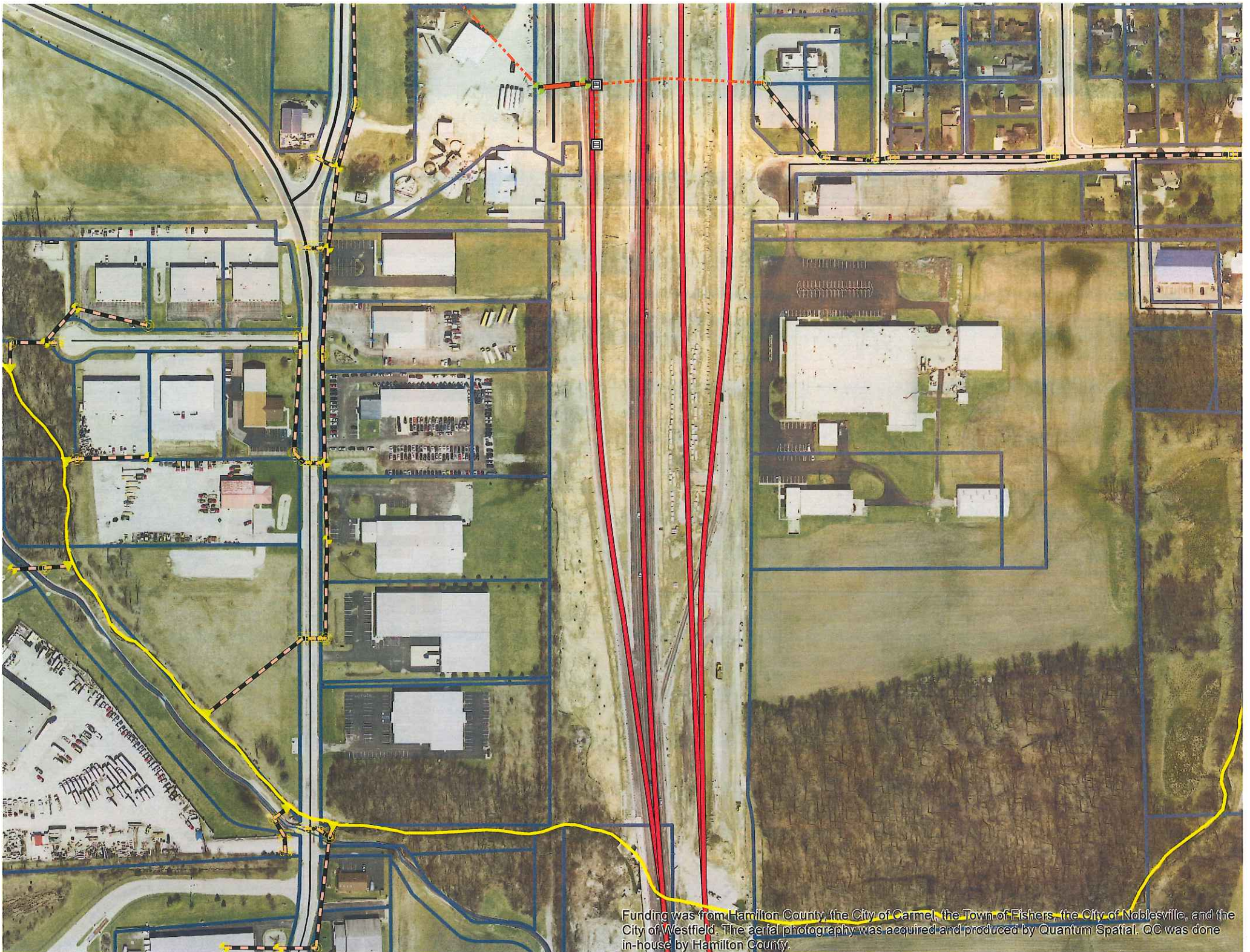
October 11, 2015 – Final plans submitted with drainage enclosed in a pipe all the way to Anna Kendall Drain.

October 29, 2015 – Revised Reconstruction Report drafted for Drainage Board to request hearing for January 25, 2016.

Thanks

A handwritten signature in black ink, appearing to read "Greg Hoyes". The signature is written in a cursive style with a large initial "G".

Greg Hoyes, AC, CFM, CPESC
Plan Reviewer



Funding was from Hamilton County, the City of Carmel, the Town of Fishers, the City of Noblesville, and the City of Westfield. The aerial photography was acquired and produced by Quantum Spatial. QC was done in-house by Hamilton County.