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February 2, 2015

To: Hamilton County Drainage Board

Re: Hunters Knoll Drain – US 31 Reconstruction

Attached are petition, plans, and other information for the proposed reconstruction of the Hunters Knoll Drain for the U.S. 31 Road Project. The reconstruction was petitioned by the Indiana Department of Transportation. This particular report will cover the improvements made at 136th Street and US 31.

During the road reconstruction the following arms of the Hunters Knoll Drain were affected: Hunters Knoll Sec. 1, Townhomes at Hunters Creek Arm, Beeson Medical Facility Extension Arm, 136th Street Path Reconstruction Arm. The changes are as follows:

Townhomes at Hunters Creek Arm

The project will reconstruct a portion of Hunters Knoll Drain, Townhomes at Hunters Creek Arm. The reconstruction will start at Str. 100B, which in an end section that discharges to the ROW. The new drain begins at this point.

The new open ditch starts at the same location of the old open ditch, then continue for 22 feet to the end of new Str. 412, which is 280 feet of 7' x 4' Concrete box, as shown in the US 31 road plans. The drain then exits the concrete box as 43 feet of open ditch. The end of the open ditch then outlets into the existing elliptical CMP. This is as shown on sheets 36 and 53 of the U.S. 31 Segment 4 construction plans having project number 1296427, contract number IR-34750, and dated July 23, 2012. The total length of new drain shall be 345 feet.

The 345 feet of original drain, as describe in the final report of the Townhomes at Hunters Creek Arm, shall be vacated from Structure 100B to the west end of an existing elliptical CMP under Rohrer Rd. Therefore, this proposed reconstruction will result in no change in length to the Townhomes at Hunters Creek Arm.

Beeson Medical Facility Extension Arm

The changes will occur where the new Round-a-bout is to be constructed and along the West Right of Way of US 31. This is as shown on sheets 32, 48, 60, 65, and 68 of the U.S. 31 Segment 4 construction plans having project number 1296427, contract number IR-34750, and dated July 23, 2012.

The project will reconstruct a portion of the Beeson Medical Facility Extension Arm. The reconstruction will start at a point 139 feet downstream of original Str. 101, where they will remove 65 feet of 15" RCP, which will empty into the new drain with 10 feet of open ditch to Str. 4526. Str. 4526 is 160 feet of 36" RCP that discharges into 224 feet of Open Drain, then back to pipe at Str. 4522, which is 19 feet of 30" RCP to Str. 4523, then 106 feet of 48" RCP to Str. 4523a, then 33 feet of 48" RCP to Str. 4523b, then 294 feet of 48" RCP to Str. 4552, then 233 feet of open ditch, terminating at the north end of Str. 411, which is the approximate current terminus of the original drain. This is as shown on sheets 32, 48, 60, 65, and 68 of the U.S. 31 Segment 4 construction plans having project number 1296427, contract number IR-34750, and dated July 23, 2012. The total length of new drain shall be 1079 feet.

The 1,013 feet of original drain from the above mentioned project starting point to the terminus point as describe in the report of the Beeson Medial Facility Extension Arm shall be vacated. This consists of removing 65 feet of 15" RCP and 948 feet of open ditch. Therefore, this proposed reconstruction will result in 66 feet of additional drain to the total length.

136th Street Path Reconstruction Arm

The changes will occur where the new Round-a-bout is to be constructed. This is as shown on sheets 32, 48, 60, 65, and 68 of the U.S. 31 Segment 4 construction plans having project number 1296427, contract number IR-34750, and dated July 23, 2012.

The project will remove the following lengths of drain: the first segment is at existing Str. 5 to existing Str. 4. This segment consisted of 39 feet of 12" RCP; the second segment is 22 feet of 38 x 57 EMP that tied into existing Str. 5 from the Northeast; the third segment removed is 8 feet of 12" RCP entering into existing Str. 5 from the East.

The total length of new drain shall be 0 feet. The 69 (61 per original report to Board) feet of original drain as describe above and in the final report of the 136th Street Path Reconstruction Arm shall be vacated. This proposed reconstruction will result in a total removal of the existing 136th Street Path Reconstruction Arm.

Hunters Knoll Section 1 Arm

The changes will occur where the new Round-a-bout is to be constructed. This is as shown on sheets 32, 48, 60, 65, and 68 of the U.S. 31 Segment 4 construction plans having project number 1296427, contract number IR-34750, and dated July 23, 2012.

The project will remove the following lengths of drain: first segment is from existing Str. 105 to existing Str. 104 consisting of 26 feet of 12" RCP; the second segment is existing Str. 104 to existing Str. 103 consisting of 30 feet of 12" RCP; the third segment is from existing Str. 123 to the end of the 8' of existing 12" RCP installed with the 136th Street Path Reconstruction. This third segment consisted of 95 feet of 12" RCP; the forth segment is the existing 65 feet of 15"

RCP between existing structures 101-102 This is the pipe under Eglin Drive ; the final segments of drain being removed are two runs of existing 6" SSD consisting of 428 feet. The first run follows the west side of Eglin Dr. and ties into existing Str. 104. The second run exists in the waterway between structures 103 to 123.

The total length of new drain shall be 0 feet. The 644 feet of original drain as describe in the final report of the Hunters Knoll Section 1 Arm shall be vacated. This proposed reconstruction will result in a reduction of 644 feet to the total length to the Hunters Knoll Section 1 Arm.

Project Summary:

The total change to the Hunters Knoll Drain length is a reduction of 639 feet as a sum of all the changes to the Townhomes at Hunters Creek Arm, Beeson Medical Facility Extension Arm, 136th Street Path Reconstruction Arm, and the Hunters Knoll Section 1 Arm.

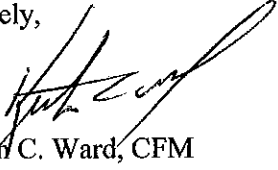
The cost of the reconstruction is to be paid by the Indiana Department of Transportation. Since the petitioner is the Indiana Department of Transportation and is being performed under public bid process, no bond is required for the relocation/reconstruction work.

The easement for the new drain to be constructed as the U.S. 31 Improvement Arm will be statutory 75' from the centerline of the tile or the top of bank of the open ditch within the Right of Way, as per IC 36-9-27-33, but not exceeding the platted drainage easement for Meridian North Medical Subdivision as recorded in Plat Cabinet 3, Slide 226 in the Office of the Hamilton County Recorder. Work will be completed in the easement of the following parcels:

<u>Parcel</u>	<u>Owner</u>
Eglin Drive ROW	City of Carmel
136 th Street ROW	City of Carmel
Rohrer Road ROW	City of Carmel
U.S. 31 ROW	Indiana Department of Transportation

I recommend the Board set a hearing for this proposed drain reconstruction for March 23, 2015.

Sincerely,


Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

Hunters Knoll Drain #215

US 31 Reconstruction

Hearing: 03/23/15

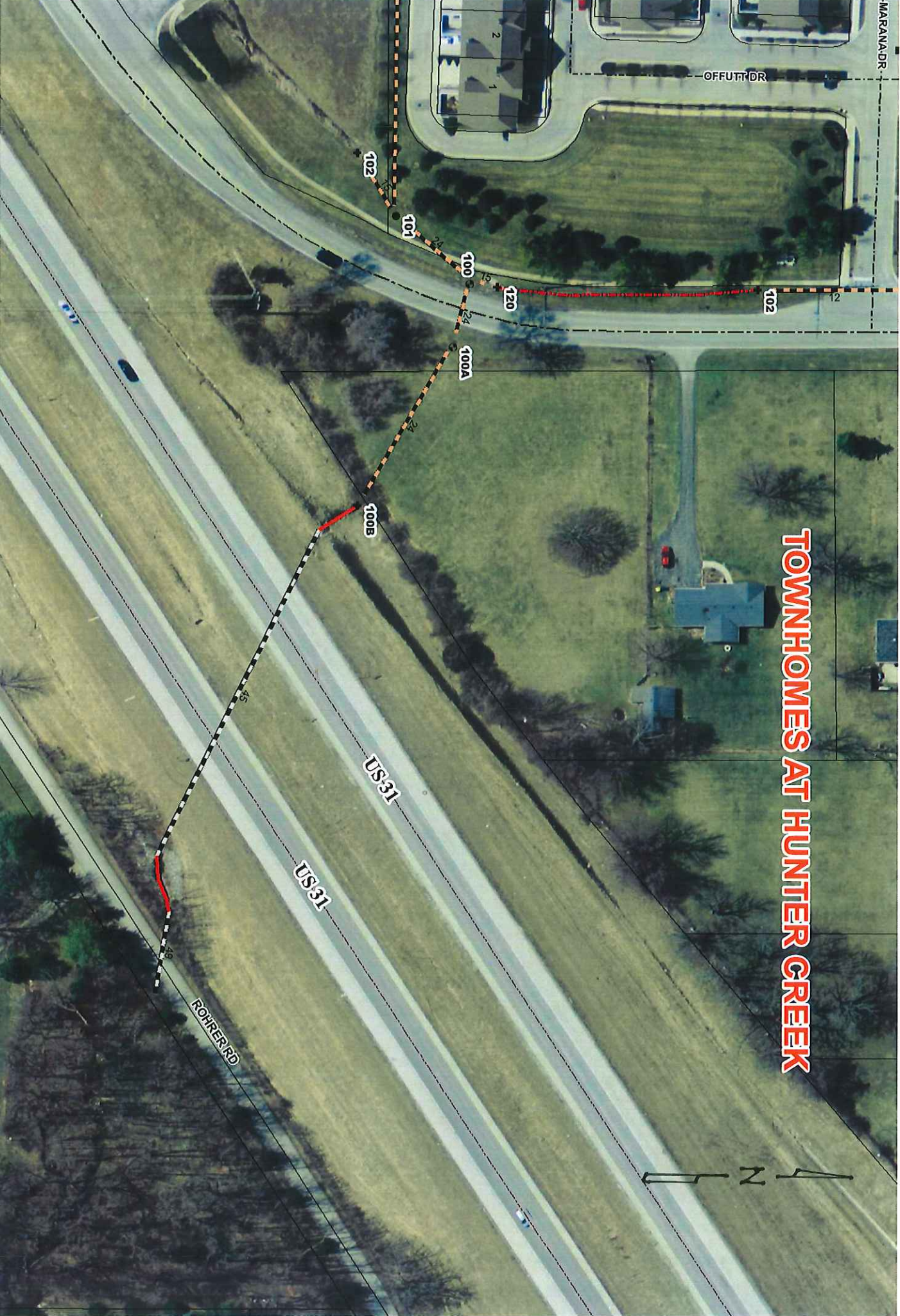
*Reconstruction cost to be paid by Indiana Dept. of Transportation

*No change in current maintenance assessment.

Footage	Added	Removed	Total
Townhomes at Hunters Creek	345	345	0
Beeson Medical Facility	1079	1013	66
136th Street Path	0	61	-61
Hunters Knoll Sec. 1	<u>0</u>	<u>644</u>	<u>-644</u>
Total:	1424	2063	-639

Parcel	Owner	Description	Road	Benefit	MntAsmt	Reconst
99-99-99-99-999.002	Indiana Department Of Transportation	S24 T18 R3 US 31	Road	*	*	*
99-99-99-99-999.005	City Of Carmel, Dept. of Administration	S24 T18 R3 Eglin Dr, 136th & Rohrer	Road	*	*	*

TOWNHOMES AT HUNTER CREEK



SLM 2-3-2015

Photo: 2013