

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

March 20, 2015

To: Hamilton County Drainage Board

Re: Reconstruction of the Jesse DeVaney Arm of Taylor Creek
2-Stage Ditch between 256th Street and Cal Carson Road

Attached are the construction plans and petition for reconstruction of the Jesse DeVaney Arm of Taylor Creek between 256th Street and Cal Carson Road in Jackson Township. The construction plans were prepared by DLZ (DLZ Project No. 1363-0915-90) for the Hamilton County Highway Department as project Hamilton County Highway Department PB-13-0003.

The Board of Commissioners of Hamilton County petitioned the Hamilton County Drainage Board for reconstruction of the drain on January 26, 2015 (see Hamilton County Drainage Board Minutes Book 16, page 83).

Reconstruction Project

The Hamilton County Highway Department plans to install new bridges at 256th Street, SS #32028 (Bridge 303) and Cal Carson Road SS #32059 (Bridge 304). The Highway Department has asked to widen the existing Jesse DeVaney Arm of the Taylor Creek Open Drain and construct a 2-stage channel between the new bridge structures in order to provide adequate drainage at these intersections. The proposed drain reconstruction will allow the proposed bridges at 256th and Cal Carson to be smaller and will not overtop the roadway during a 100-year storm event (see Hamilton County Drainage Board Minutes Book 15, pages 369-37, pages 409-410 and pages 422-423).

The proposed drain reconstruction includes constructing a 2-stage channel along the alignment of the existing channel from Station 0+00 per the above referenced plan on the south side of 256th Street to Station 13+08 per the above referenced plan on the east side of Cal Carson Road. These stations correspond to the original 1903 description of DeVaney Drain as Station 67+00 and Station 00+08.

The 2-stage channel will have a 20 foot wide base (flow line) and will match the existing flow line of the open channel. To meet IDEM requirements there will be a low flow notch in the base of channel that is one foot (1') deep and two feet (2') wide. The 2-stage channel will have a 2:1 slope to the top of bank on the north side. The south side of the 2-stage channel will slope 2:1 from the bottom of the channel up a height of one foot (1') to a 8.5' wide shelf at the 2-stage channel. From the shelf the side will slope at 2:1 to top of bank. The total length of the 2-stage channel is 1,308 linear feet to be constructed within the existing regulated drain easement. There will not be additional regulated drain length added with this reconstruction, only width.

Included with this project will be two (2) rock chutes, approximately 150 LF of 9" to 12" rip rap slope stabilization, 5 silt basins and 1 inlet and pipe structure.

The cost estimate prepared by DLZ for this work is as follows:

<u>Item Description</u>	<u>Units</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Bid Amount</u>
Construction Survey	LS	1	\$ 601.35	\$ 3,899.89
Mobilization & Demobilization	LS	1	\$1,202.69	\$ 7,799.78
Clearing Right of Way	LS	1	\$ 721.61	\$ 4,679.87
Excavation, Channel	CYS	7,768	\$ 12.32	\$ 95,701.76
Temporary Construction Entrance, #2 Stone	TON	128	\$ 19.42	\$ 2,485.76
Temporary Sediment Basin	Each	5	\$1,000.00	\$ 5,000.00
Temporary Silt Fence	LFT	205	\$ 1.52	\$ 311.60
Erosion Control Blanket	SYS	8,683	\$ 3.50	\$ 30,390.50
Rock Chute, Riprap, Revetment	TON	84	\$ 34.22	\$ 2,874.48
Rock Chute, Geotextiles	SYS	79	\$ 2.70	\$ 213.30
Outlet Pipe Riprap, Revetment	TON	145	\$ 34.22	\$ 4,961.90
Outlet Pipe, Geotextiles	SYS	168	\$ 2.70	\$ 453.60
Bank Armourment, Riprap, Revetment	TON	93	\$ 34.22	\$ 3,182.46
Bank Armourment, Geotextiles	SYS	131	\$ 2.70	\$ 353.70

Fertilizer	TON	1	\$1,000.00	\$ 1,000.00
CMP Drop Structure	EACH	1	\$1,362.00	\$ 1,362.00
Gabions, Metallic Coating	CYS	68	\$ 57.00	\$ 3,876.00
Mulching Material	TON	3	\$ 300.00	\$ 900.00
Pipe, Type 3, Circular, 12 IN., CMP	LFT	60	\$ 35.00	\$ 2,100.00
Taylor Creek Seed Mixture, Temporary	LBS	78	\$ 1.80	\$ 140.40
Taylor Creek Seed Mixture, Permanent	LBS	187	\$ 3.68	<u>\$ 688.16</u>
		Subtotal		\$172,375.16
		15% Contingency		<u>\$ 25,856.27</u>
		Total Cost		\$198,231.43

All of the construction cost will be paid for by the Hamilton County Highway Department as part of the bridge projects.

All of the reconstruction of the drain will occur on property owned by John & Barbara Chamness, Parcel No. 03-02-20-00-00-017.000.

The drain reconstruction project will be constructed by the Hamilton County Highway Department and will be inspected by the engineer of record, DLZ. The landowner on the affected parcel, John Chamness wants the export materials from the 2-stage channel reconstruction. The Hamilton County Highway Department will stock pile this soil on the Chamness property outside the regulated drain easement. Hamilton County Highway Department will obtain the right of entry from John Chamness for this work. Mr. Chamness will obtain all regulatory permits for the disposition of the spoil piles from the Army Corps of Engineers, IDEM, IDNR or other required permits at no expense to Hamilton County.

I have made a personal inspection of the land described above. Upon doing so I believe that the drain is practical, will improve public health, benefit a public highway and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited.

On May 12, 2014 the Drainage Board decided to do all the work proposed for the project within the existing drainage easement of 75 feet from top of bank on each side of the drain (see Hamilton County Drainage Board Minutes Book 15, pages 409-410). The existing easement is described in the attached easement description, Exhibit "A", and plat, Exhibit "B", as prepared by DLZ. No additional easements are required for the project. I believe no damages will result to the landowner. Damages are set at zero (0).

I recommend that the Board set a hearing for this proposal for April 27, 2015.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
*Taylor Creek Drain, Jesse DeVaney Arm, 2 Stage Ditch Reconstruction
between 256th Street & Cal Carson Road*

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Taylor Creek Drain, Jesse DeVaney Arm, 2 Stage Ditch Reconstruction between 256th Street & Cal Carson Road* came before the Hamilton County Drainage Board for hearing on *April 27, 2015*, 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 *Taylor Creek Drain, Jesse DeVaney Arm, 2 Stage Ditch Reconstruction between 256th Street & Cal Carson Road* 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

EXHIBIT "A"

Easement Description

A part of the Southeast Quarter of Section 20, a part of the Southwest of Section 21 and a part of the Northeast Quarter of Section 29 all in Township 20 North, Range 4 East, of the Second Principal Meridian, in Jackson Township, Hamilton County, Indiana marked EXHIBIT "B, attached herewith and made a part of this description by reference, described as follows:

Commencing at the Northeast corner of said Northeast Quarter of Section 29; thence along the North line thereof South 89 degrees 10 minutes 53 seconds West (basis of bearings is said North line of said Northeast Quarter of said Section 29 as shown on a certain Location Control Route Survey Plat recorded in Instrument number 2014000252 in the Office of the Recorder of the County and State aforesaid) 779.43 feet to the POINT OF BEGINNING designated point "818" on said Easement Plat; thence South 02 degrees 33 minutes 24 seconds West 8.27 feet to point "819" as shown on said Easement Plat; thence South 15 degrees 53 minutes 01 seconds East 11.76 feet to point "820" as shown on said Easement Plat; thence South 07 degrees 16 minutes 07 seconds West 20.89 feet to point "821" as shown on said Easement Plat; thence South 86 degrees 08 minutes 49 seconds West 185.14 feet to point "822" as shown on said Easement Plat; thence North 07 degrees 09 minutes 33 seconds West 50.40 feet to said North line designated point "823" on said Easement Plat; thence continuing North 07 degrees 09 minutes 33 seconds West 28.53 feet to point "824" as shown on said Easement Plat; thence North 17 degrees 14 minutes 21 seconds East 32.06 feet to point "825" as shown on said Easement Plat; thence North 02 degrees 50 minutes 51 seconds West 45.45 feet to point "826" as shown on said Easement Plat; thence North 03 degrees 19 minutes 43 seconds East 65.19 feet to point "827" as shown on said Easement Plat; thence North 18 degrees 34 minutes 25 seconds East 104.84 feet to point "828" as shown on said Easement Plat; thence North 68 degrees 27 minutes 06 seconds East 71.61 feet to point "829" as shown on said Easement Plat; thence North 41 degrees 08 minutes 26 seconds East 19.02 feet to point "830" as shown on said Easement Plat; thence North 32 degrees 26 minutes 48 seconds East 37.46 feet to point "831" as shown on said Easement Plat; thence North 30 degrees 03 minutes 28 seconds East 42.12 feet to point "832" as shown on said Easement Plat; thence North 23 degrees 24 minutes 10 seconds East 103.96 feet to point "833" as shown on said Easement Plat; thence North 88 degrees 42 minutes 33 seconds East 100.56 feet to point "834" as shown on said Easement Plat; thence North 79 degrees 05 minutes 06 seconds East 42.15 feet to point "835" as shown on said Easement Plat; thence North 84 degrees 48 minutes 06 seconds East 51.52 feet to point "836" as shown on said Easement Plat; thence North 78 degrees 14 minutes 45 seconds East 44.02 feet to point "837" as shown

on said Easement Plat; thence North 78 degrees 36 minutes 27 seconds East 52.39 feet to point "838" as shown on said Easement Plat; thence North 81 degrees 45 minutes 55 seconds East 46.03 feet to point "839" as shown on said Easement Plat; thence North 69 degrees 47 minutes 10 seconds East 41.52 feet to point "840" as shown on said Easement Plat; thence North 87 degrees 27 minutes 55 seconds East 66.70 feet to point "841" as shown on said Easement Plat; thence North 81 degrees 53 minutes 36 seconds East 45.35 feet to point "842" as shown on said Easement Plat; thence North 78 degrees 32 minutes 01 seconds East 55.00 feet to point "843" as shown on said Easement Plat; thence North 87 degrees 11 minutes 10 seconds East 50.69 feet to point "844" as shown on said Easement Plat; thence North 81 degrees 10 minutes 28 seconds East 41.08 feet to point "845" as shown on said Easement Plat; thence North 75 degrees 55 minutes 14 seconds East 42.13 feet to point "846" as shown on said Easement Plat; thence North 68 degrees 18 minutes 46 seconds East 45.24 feet to point "847" as shown on said Easement Plat; thence North 73 degrees 46 minutes 30 seconds East 57.17 feet to point "848" as shown on said Easement Plat; thence North 76 degrees 26 minutes 08 seconds East 9.06 feet to the East line of said Southeast Quarter of Section 20; thence continuing North 76 degrees 26 minutes 08 seconds East 34.45 feet to point "850" as shown on said Easement Plat; thence South 22 degrees 42 minutes 31 seconds East 195.92 feet to point "851" as shown on said Easement Plat; thence South 66 degrees 01 minutes 01 seconds West 67.38 feet to point "852" as shown on said Easement Plat; thence South 73 degrees 32 minutes 15 seconds West 59.19 feet to point "853" as shown on said Easement Plat; thence South 84 degrees 30 minutes 16 seconds West 70.41 feet to point "854" as shown on said Easement Plat; thence North 84 degrees 52 minutes 53 seconds West 44.60 feet to point "855" as shown on said Easement Plat; thence South 81 degrees 08 minutes 43 seconds West 42.84 feet to point "856" as shown on said Easement Plat; thence South 82 degrees 36 minutes 32 seconds West 47.32 feet to point "857" as shown on said Easement Plat; thence South 75 degrees 49 minutes 34 seconds West 42.10 feet to point "858" as shown on said Easement Plat; thence South 72 degrees 31 minutes 39 seconds West 42.34 feet to point "859" as shown on said Easement Plat; thence South 67 degrees 39 minutes 35 seconds West 61.83 feet to point "860" as shown on said Easement Plat; thence North 78 degrees 11 minutes 24 seconds West 71.74 feet to point "861" as shown on said Easement Plat; thence South 78 degrees 17 minutes 17 seconds West 30.90 feet to point "862" as shown on said Easement Plat; thence South 77 degrees 27 minutes 52 seconds West 51.49 feet to point "863" as shown on said Easement Plat; thence South 80 degrees 30 minutes 08 seconds West 53.18 feet to point "864" as shown on said Easement Plat; thence South 79 degrees 19 minutes 21 seconds West 53.81 feet to point "865" as shown on said Easement Plat; thence South 89 degrees 36 minutes 18 seconds West 43.93 feet to point "866" as shown on said Easement Plat; thence South 40 degrees 50 minutes 37 seconds West 11.19 feet to point "867" as shown on said Easement Plat; thence South 29 degrees 14 minutes 00 seconds West 47.49 feet to point "868" as shown on said

Easement Plat; thence South 33 degrees 09 minutes 14 seconds West 61.32 feet to point "869" as shown on said Easement Plat; thence South 43 degrees 24 minutes 59 seconds West 67.39 feet to point "870" as shown on said Easement Plat; thence South 51 degrees 53 minutes 04 seconds West 33.25 feet to point "871" as shown on said Easement Plat; thence South 28 degrees 10 minutes 06 seconds West 5.45 feet to point "872" as shown on said Easement Plat; thence South 09 degrees 06 minutes 44 seconds West 21.60 feet to point "873" as shown on said Easement Plat; thence South 12 degrees 34 minutes 42 seconds East 38.18 feet to point "874" as shown on said Easement Plat; thence South 04 degrees 52 minutes 48 seconds West 17.78 feet to point "875" as shown on said Easement Plat; thence South 06 degrees 09 minutes 32 seconds East 21.30 feet to point "876" as shown on said Easement Plat; thence South 05 degrees 14 minutes 54 seconds West 25.97 feet to the POINT OF BEGINNING, and containing 5.501 acres, more or less.

This description was prepared by DLZ Indiana, LLC for the Hamilton County Highway Department, as part of Project HCHD PB-13-0003 on February 27, 2015.



Alan Brent Cleveland
Registered Land Surveyor, Number LS80880007
Within the State of Indiana



This plat was prepared from information obtained from the Recorder's Office and other sources which were not necessarily checked by a field survey. Its sole purpose is for graphic representation and in no way is to be construed as a Boundary Survey.

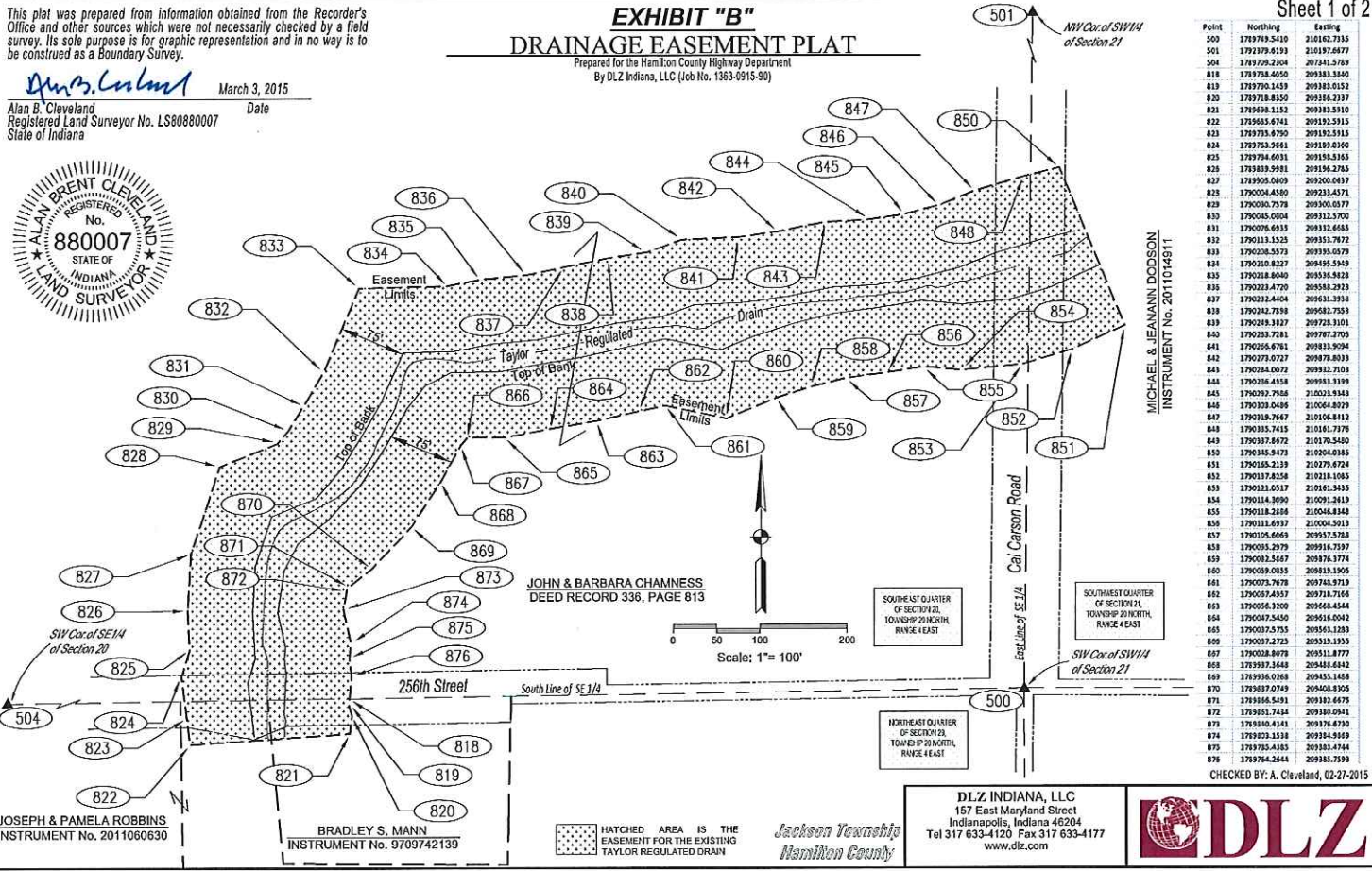
Alan B. Cleveland March 3, 2015
 Alan B. Cleveland Date
 Registered Land Surveyor No. LS80880007
 State of Indiana



EXHIBIT "B"

DRAINAGE EASEMENT PLAT

Prepared for the Hamilton County Highway Department
 By DLZ Indiana, LLC (Job No. 1363-0915-90)



Sheet 1 of 2

Point	Northing	Easting
500	1789749.5410	210162.7135
501	1789779.6139	210197.6977
504	1789758.2504	207241.8788
818	1789738.4050	209183.8840
819	1789730.1459	209183.0152
820	1789718.8550	209186.2137
821	1789586.1152	209183.8100
822	1789685.6741	209192.5915
823	1789735.8790	209192.5915
824	1789753.9061	209189.6100
825	1789794.6031	209195.5105
826	1789819.9811	209196.2753
827	1789905.0409	209200.6437
828	1790004.4580	209233.4371
829	1790010.7578	209300.0377
830	1790045.0804	209312.5000
831	1790076.6913	209312.6655
832	1790113.1525	209353.7872
833	1790208.5573	209355.0579
834	1790210.8227	209495.5949
835	1790218.8040	209516.8828
836	1790231.1700	209588.2923
837	1790232.4404	209611.3938
838	1790242.7838	209682.7553
839	1790249.3917	209728.3101
840	1790263.7281	209787.0705
841	1790266.6761	209811.5094
842	1790273.0727	209878.8033
843	1790284.0072	209912.7103
844	1790281.8538	209913.1199
845	1790292.7268	210023.9343
846	1790303.0496	210064.8079
847	1790319.7667	210106.8412
848	1790335.7413	210161.7176
849	1790357.6872	210178.5450
850	1790345.9473	210204.0385
851	1790365.2139	210279.6724
852	1790317.8126	210218.1085
853	1790323.0517	210161.3435
854	1790314.3090	210091.2819
855	1790318.2806	210046.8348
856	1790311.6937	210004.5013
857	1790326.6069	209957.5788
858	1790305.2979	209916.7937
859	1790282.5867	209876.3774
860	1790289.0835	209819.1905
861	1790273.7678	209748.9719
862	1790267.8557	209718.2666
863	1790264.3200	209684.4544
864	1790247.5450	209616.0242
865	1790237.5755	209561.1283
866	1790231.2725	209519.1935
867	1790238.8678	209511.8777
868	1789937.3648	209488.4842
869	1789916.0268	209485.1458
870	1789887.0749	209408.8105
871	1789816.5491	209382.6475
872	1789651.7414	209380.0941
873	1789840.4341	209376.4730
874	1789803.1538	209384.9869
875	1789785.4185	209383.4744
876	1789754.2544	209385.7939

JOSEPH & PAMELA ROBBINS
 INSTRUMENT No. 2011060630

BRADLEY S. MANN
 INSTRUMENT No. 9709742139

HATCHED AREA IS THE
 EASEMENT FOR THE EXISTING
 TAYLOR REGULATED DRAIN

Jackson Township
 Hamilton County

DLZ INDIANA, LLC
 157 East Maryland Street
 Indianapolis, Indiana 46204
 Tel 317 633-4120 Fax 317 633-4177
 www.dlz.com



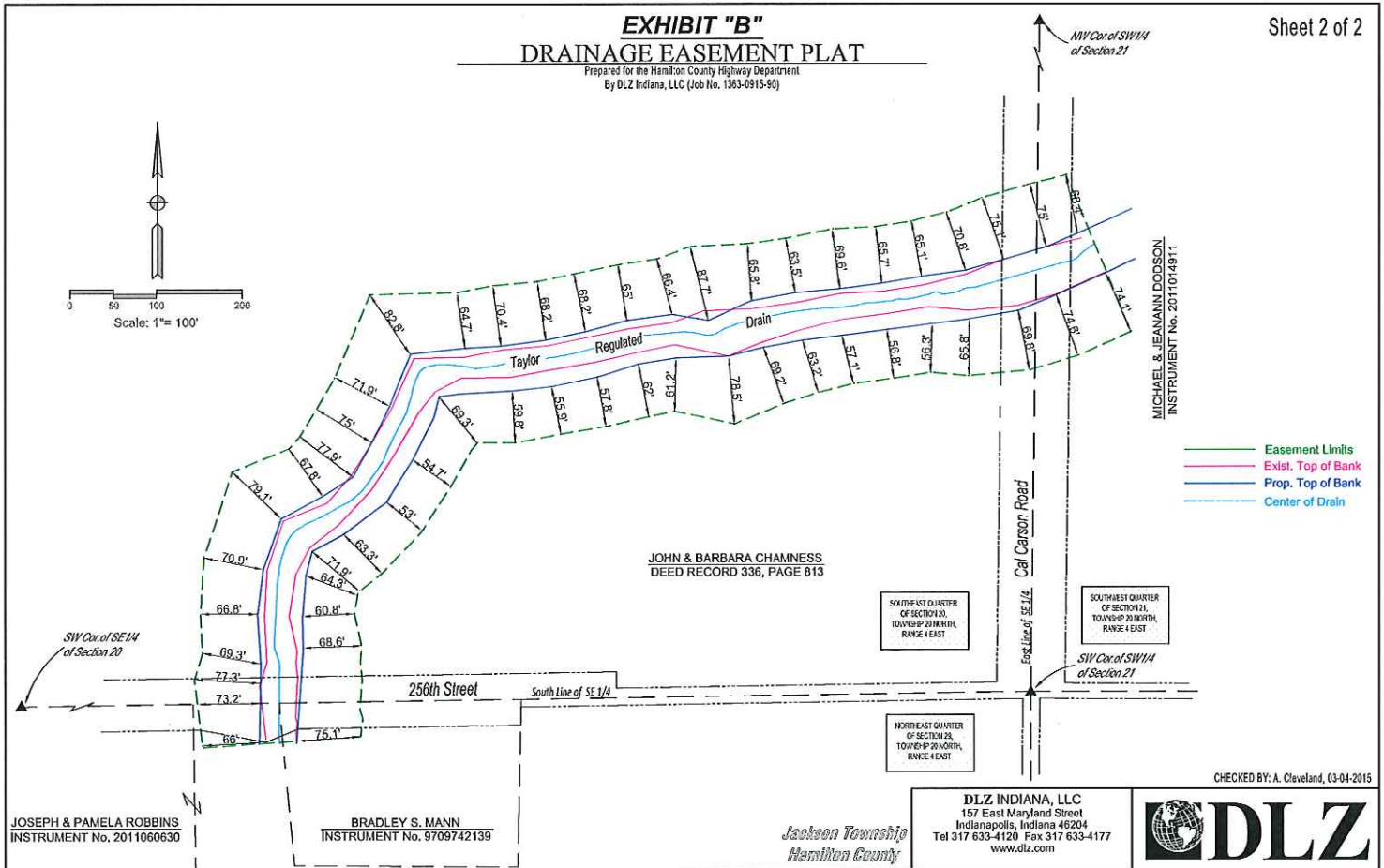
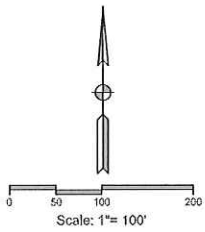
CHECKED BY: A. Cleveland, 02-27-2015

EXHIBIT "B"

DRAINAGE EASEMENT PLAT

Prepared for the Hamilton County Highway Department
By DLZ Indiana, LLC (Job No. 1363-0915-90)

Sheet 2 of 2



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

*Taylor Creek Drain, Jesse DeVaney Arm Reconstruction
2-Stage Ditch between 256th Street & Cal Carson Road*

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 **Taylor Creek Drain, Jesse DeVaney Arm Reconstruction, 2-Stage Ditch between 256th Street & Cal Carson Road** on **April 27, 2015 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 **Taylor Creek Drain, Jesse DeVaney Arm, 2-
Stage Ditch between 256th Street & Cal Carson Road**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **April 27, 2015** 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 C. Dillinger
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY