



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

October 11, 2011

To: Hamilton County Drainage Board

Re: Spring Mill Run Drain, 106th and Ditch Road RAB Reconstruction

Attached is a petition and plans for the proposed reconstruction of the Springmill Run Drain. The reconstruction is being proposed by the Hamilton County Highway Department. The proposal is to reconstruct the drain to provide drainage for the 106th Street and Ditch Road Round-a-bout. The reconstruction is as shown per plans by First Group Engineering, Inc., having Job No. PR-99-0001, and last revised date of September 24, 2009.

The reconstruction will remove Structure 151 of the Laurel Ridge Arm of the Springmill Run Drain and replace it with Structure 16 on the road plans. The project will also place Structure 15, a B.M.P. unit, approximately 36 feet downstream of Structure 16 on the Laurel Ridge Arm. The BMP at Structure 15 (Aqua-swirl) shall be maintained as part of the regulated drain.

The project will also add the following new drain lengths to provide drainage for the new round-a-bout intersection:

12" RCP	395 ft.	24" RCP	192 ft.
15" RCP	208 ft.	6" SSD	137 ft.
18" RCP (twin)	147 ft.		

The total length of new drain shall be 1,079 feet. None of the original drain shall be vacated. This proposal will add 1,079 feet to the drain's total length.

The cost of the reconstruction was paid by the Hamilton County Highway Department.

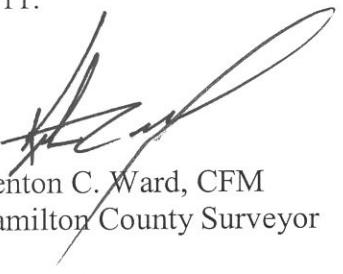
The Hamilton County Highway Department was not required to provide surety.

This reconstruction will remove 1.26 acres of road assessment for Ditch Road from the Thomas Hussey Regulated Drain and add 5.64 acres of road assessment for Ditch Road and 106th Street to the Spring Mill Run Regulated Drain. This will result in a remove of \$12.60 from the Thomas Hussey Annual Maintenance Fund and an increase of \$56.40 to the Spring Mill Run Annual Maintenance Fund. These changes apply to the current owner of the Right of Way, which is the City of Carmel.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

The easement for this drain will be the existing right of way for 106th Street and Ditch Road.

I recommend the Board set a hearing for this proposed drain for November 28, 2011.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

Gasb 34 Asset Price &
Drain Length Log

Drain-Improvement: Springmill Run: 106th & Ditch Rd RAB Reconstruction

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	12	395	398	0	\$7.25 If	2863.75
RCP	15	208	208	0	\$9.50 If	1976.00
RCP	18	294*	294	0	\$10.50 If	3087.00
RCP	24	192	192	0	\$18.00 If	3456.00
SSD	6	137	137	0	\$2.00 If	274.00

Sum: 1079 _____ \$11,656.75

Final Report: 1079

Comments:

*Twin Pipes

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Springmill Run Drain,
106th and Ditch Road RAB Reconstruction

On this **28th day of November, 2011**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Springmill Run Drain, 106th and Ditch Road RAB Reconstruction**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest:



STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Springmill Run Drain, 106th and Ditch Road RAB Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Springmill Run Drain, 106th and Ditch Road RAB Reconstruction** came before the Hamilton County Drainage Board for hearing **on November 28, 2011**, 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.

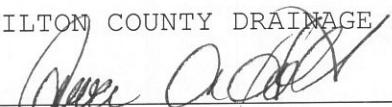
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

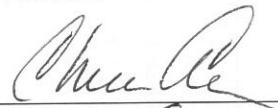
The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

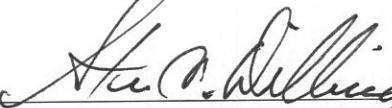
Wherefore, it is ORDERED, that the proposed Reconstruction of the **Springmill Run Drain, 106th and Ditch Road RAB Reconstruction** be and is hereby declared established.

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: 
Fayette Masbaugh
Executive Secretary

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

*Springmill Run Drain,
106th and Ditch Road RAB Reconstruction*

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 **Springmill Run Drain, 106th and Ditch Road RAB Reconstruction** on **November 28, 2011**, at **9:15 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 **Springmill Run Drain, 106th and Ditch Road**
RAB Reconstruction

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **November 28, 2011** 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.

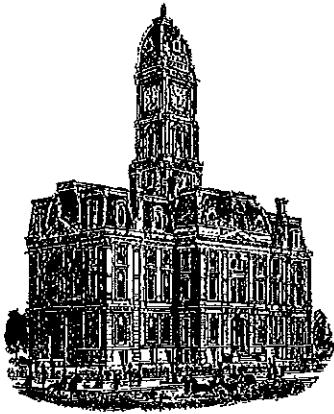
The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

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 A. Holt
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY



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

To: Hamilton County Drainage Board

December 4, 2015

Re: Springmill Run Drain: 106th & Ditch Roundabout

Attached are plans, and other information for the 106th & Ditch Roundabout. 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 there were no significant changes made to the drainage plans submitted with my report for this drain dated October 11, 2011. (See Drainage Board Minutes Book 14, Pages 32-34) Therefore, the length of the drain remains at **1079 feet**.

A non-enforcement was not required as the easement, as outlined in my original report to the Board, will be the existing right of way for 106th Street and Ditch Road. The project was paid for by the Hamilton County Highway Department, therefore sureties were not required.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kenton C. Ward".

Kenton C. Ward, CFM
Hamilton County Surveyor



"IT'S THE LAW"
CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

STATE OF INDIANA
INDIANA STATE LAW 108-1-26
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

CONSTRUCTION PLANS FOR HCHD PROJECT No. PR-99-0001 106TH ST. & DITCH RD. ROUNDABOUT CLAY TOWNSHIP

Board Of Commissioners
Hamilton County, Indiana

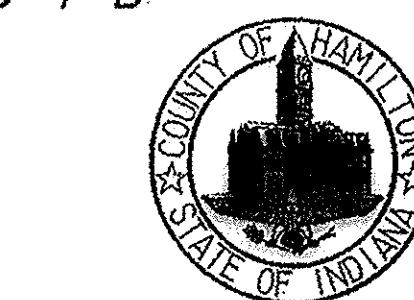
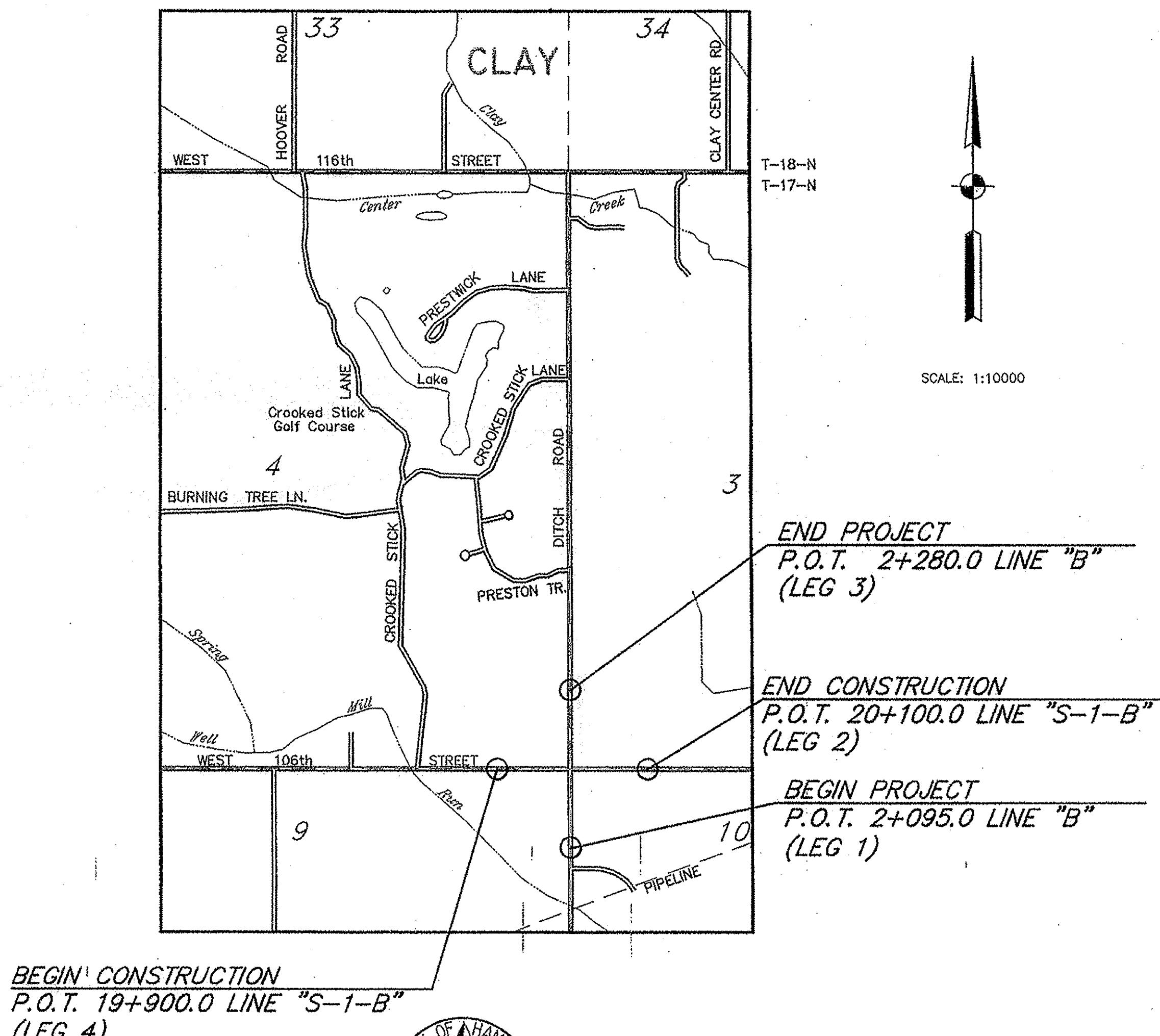
TRAFFIC DATA		DITCH ROAD	106th STREET
A.A.D.T. (1998)		4300 V.P.D.	6000 V.P.D.
A.A.D.T. (2020 PROJECTED)		6700 V.P.D.	9400 V.P.D.
D.H.V. (1998)		426 V.P.H.	595 V.P.H.
DIRECTIONAL DISTRIBUTION		50 %	50 %
TRUCKS		2% D.H.V.	2% A.A.D.T.

DESIGN DATA	
DESIGN SPEED (URBAN SINGLE LANE)	35 km/h. (15 M.P.H.)
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

UTILITIES	
<u>TELEPHONE</u>	<u>WATER</u>
AT&T 5858 N. COLLEGE AVE. INDIANAPOLIS, IN 46220 GREG CAMMACK (317) 252-5134	INDPLS. WATER CO. INC. P.O. BOX 1220 1220 WATERWAY BLVD. INDIANAPOLIS, IN 46206 DALE KOCH (317) 263-6446
TIME WARNER TELECOM 4625 WEST 86TH STREET INDIANAPOLIS, IN 46268 LARRY BENSON (317) 713-8900	CITY OF CARMEL WATER 3450 W 131ST AVE WESTFIELD, IN 46074 STEVE COOK (317) 733-2849
<u>GAS</u>	<u>CABLE</u>
INDIANA GAS CO. INC./VECTREN 16000 N. ALLISONVILLE RD. NOBLESVILLE, IN 46061-1700 DON PERDUE (317) 776-5534	COMCAST CABLE 5330 EAST 65TH STREET INDIANAPOLIS, IN 46220 JIM PAYTON (317) 841-3687
<u>ELECTRIC</u>	<u>BRIGHTHOUSE NETWORKS</u>
INDPLS. POWER & LIGHT CO. 3600 N. ARLINGTON AVENUE INDIANAPOLIS, IN 46218-1807 RHONDA WILLIAMS (317) 261-5203	3030 ROOSEVELT AVENUE INDIANAPOLIS, IN 46218 JOE EVANS (317) 339-9075

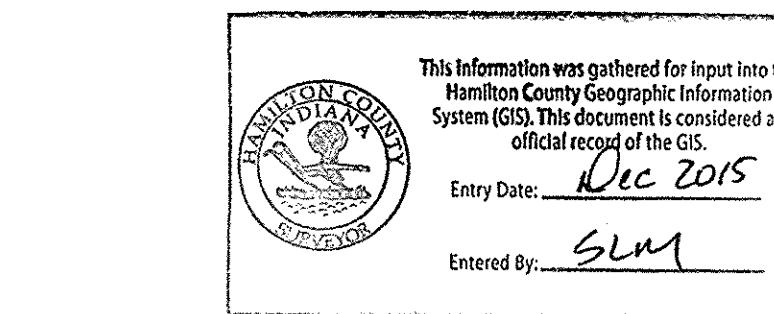
INDEX	
SHT. NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2-3	TYPICAL CROSS SECTIONS
4	MAINTENANCE OF TRAFFIC
5-8	PLAN AND PROFILE
9-10	GEOMETRIC DETAILS
11	POND DETAIL
12	TEMPORARY EROSION & SEDIMENT CONTROL
13	PAVEMENT MARKINGS
14-16	SIGNING & LIGHTING PLANS
17	APPROACH TABLE AND STRUCTURE DATA
18	UNDERDRAIN TABLE
19-31	CROSS SECTIONS

HAMILTON COUNTY HIGHWAY DEPARTMENT
STANDARD SPECIFICATIONS DATED 1998
AND
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2010
TO BE USED WITH THESE PLANS.



ALL IN R-3-E, CLAY TOWNSHIP,

HAMILTON COUNTY



This information was gathered for input into the
Hamilton County Geographic Information
System (GIS). This document is considered an
official record of the GIS.
Entry Date: Dec 2015
Entered By: SLW

Board Of Commissioners

Ben A. Holt 8-24-2009 Date
Steven A. Holt, President

Christine Altman 8-24-2009 Date
Christine Altman, Member

Steven C. Dillinger 8-24-2009 Date
Steven C. Dillinger, Member

Attest

Dawn Coverdale 8-24-2009 Date
Dawn Coverdale, County Auditor

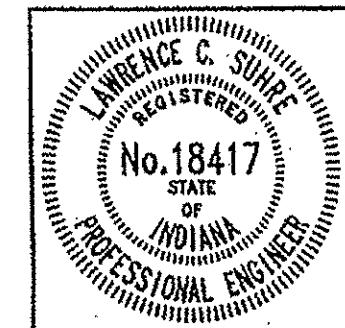
County Highway Engineer

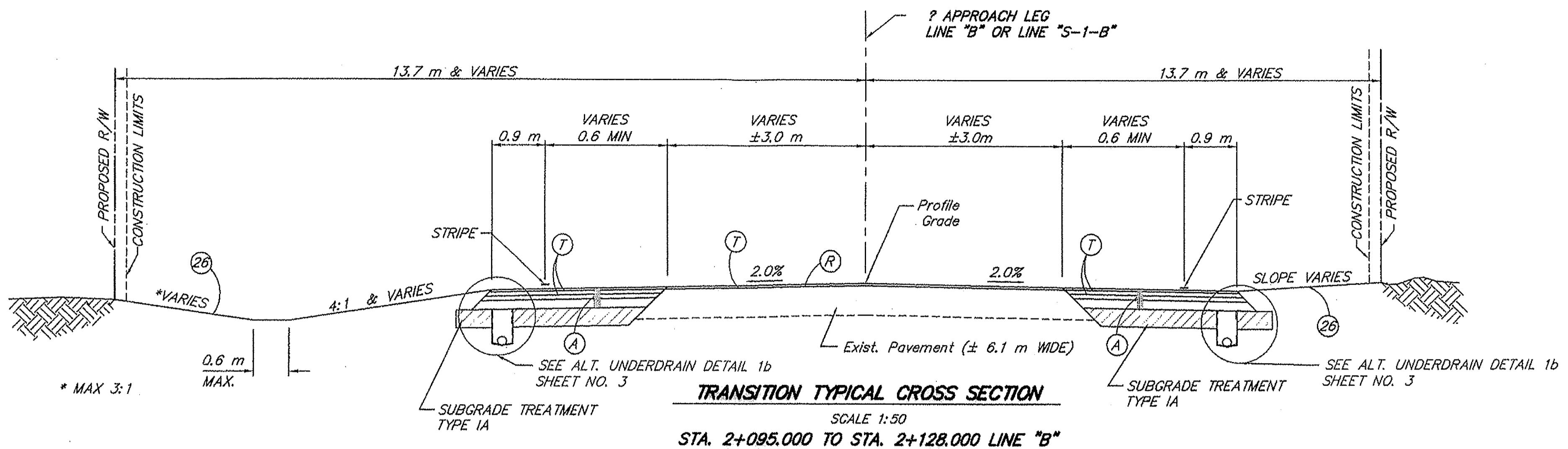
James W. Neal 8/24/09 Date
James W. Neal, PE

THESE PLANS PREPARED BY:
FIRST GROUP ENGINEERING INC.
CONSULTING ENGINEERS

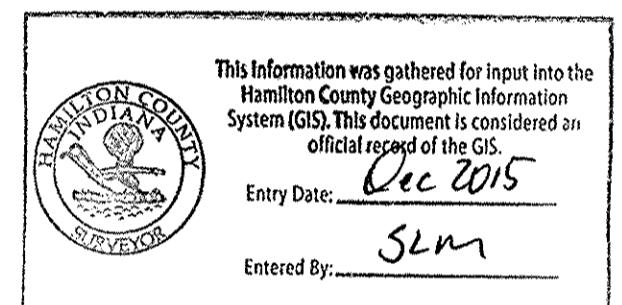
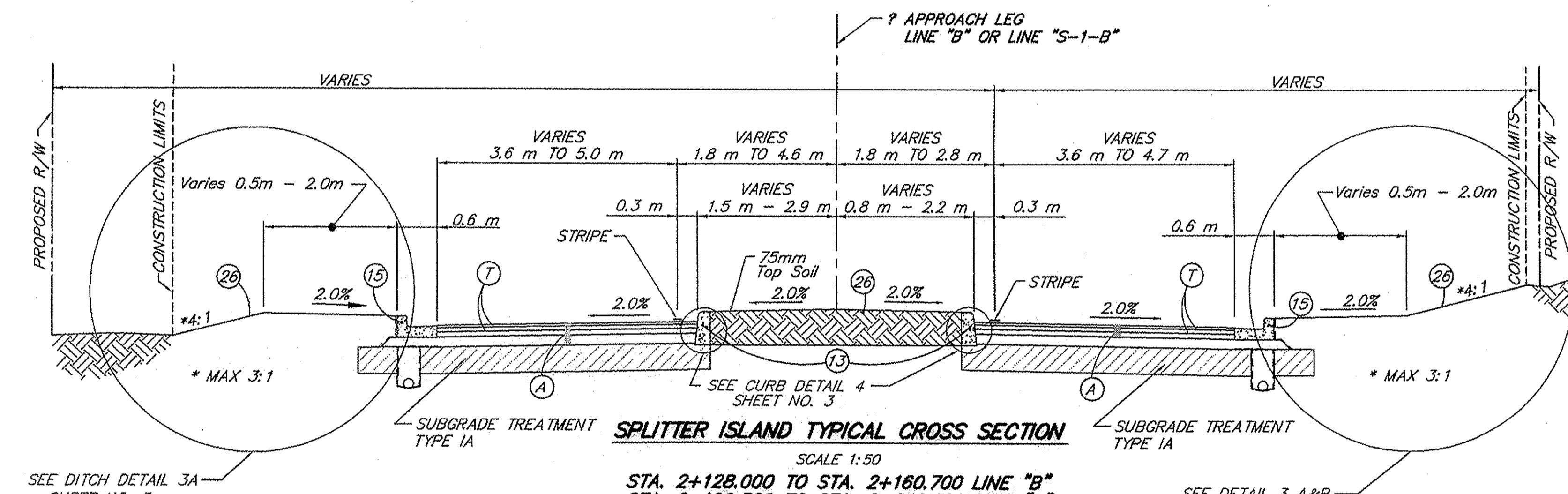
5925 LAKESIDE BLVD, INDIANAPOLIS, IN 46278
PH. (317) 290-9549 FAX. (317) 290-9560

CERTIFIED *Zachariah C. Lubin* DATE 8/25/09





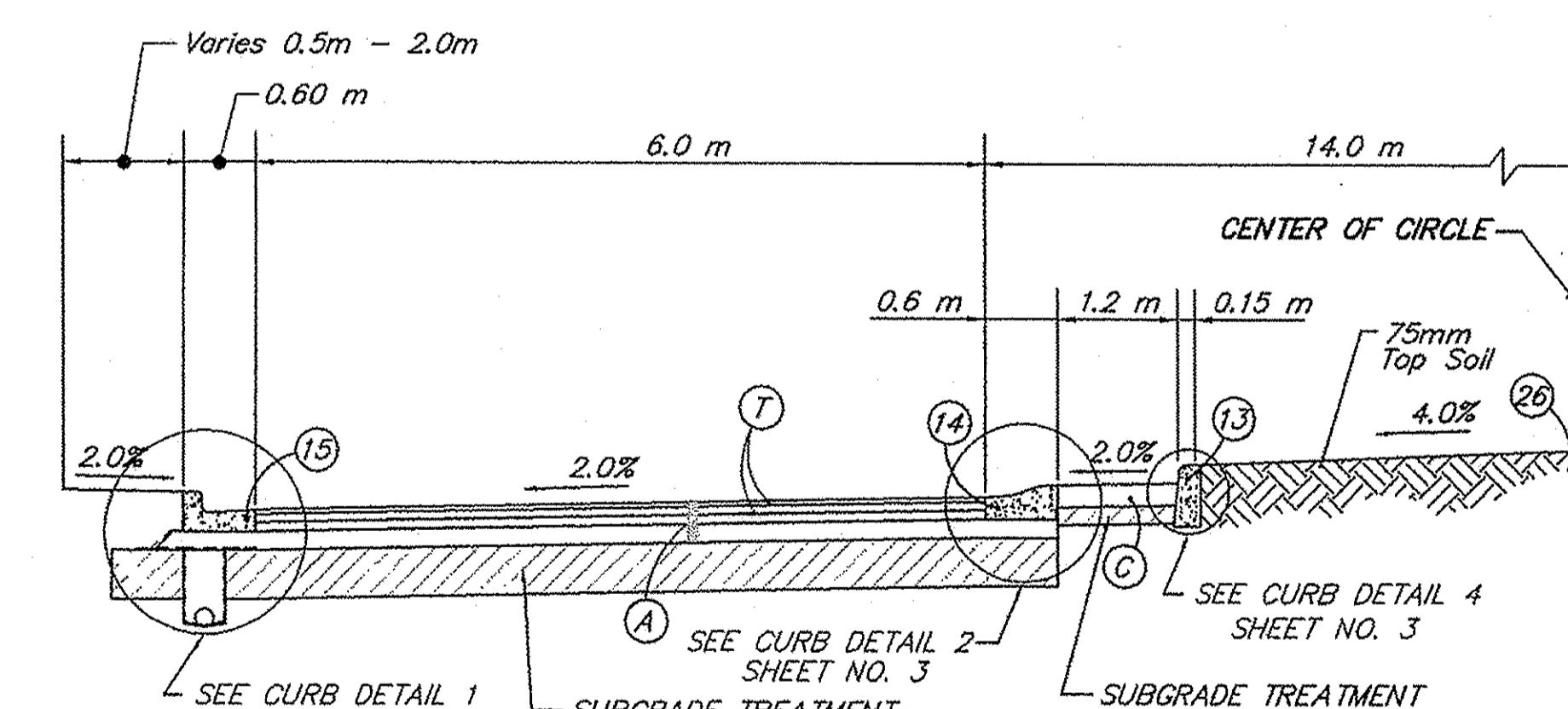
EARTHWORK TABLE		
LINE	"CUT"	"FILL"
"B"	435 m ³	730 m ³
"S-1-B"	397 m ³	729 m ³
POND "B"	29 m ³	122 m ³
TOTAL	861 m ³	(+25%) 1977 m ³
WET "B"	86 m ³	(+25%) 30 m ³



SPLITTER ISLAND TYPICAL CROSS SECTION

SCALE 1:50

STA. 2+128.000 TO STA. 2+160.700 LINE "B"
STA. 2+199.300 TO STA. 2+240.000 LINE "B"
STA. 19+140.000 TO STA. 19+980.700 LINE "S-1-B"
STA. 20+019.300 TO STA. 20+060.000 LINE "S-1-B"

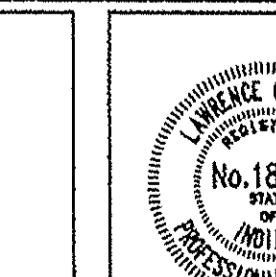


TYPE IA

CIRCULATORY ROADWAY TYPICAL CROSS SECTION

SCALE 1:50
STA. 2+160.700 TO STA. 2+199.300 LINE "B"
STA. 19+980.700 TO STA. 20+019.300 LINE "S-1-B"

- ## LEGEND
- (A) 90 kg/m² QC/QA HMA, 2, 70 SURFACE, 9.5mm, ON
150 kg/m² QC/QA HMA, 2, 70 INTERMEDIATE, 19.0mm, ON
180 kg/m² QC/QA HMA, 2, 64 BASE, 25.0mm, ON
150 mm COMPACTED AGGREGATE, NO. 53, BASE
SUBGRADE TREATMENT TYPE EA
 - (C) PCCP, 180 mm (STAMPED)
SUBGRADE TREATMENT TYPE III
 - (C₁) PCCP, 225 mm
SUBGRADE TREATMENT TYPE IIIA
 - (F) 100 mm CONCRETE SIDEWALK
 - (D) CENTER CURB, D, CONCRETE
 - (R) ASPHALT, MILLING 38 mm
90 kg/m² QC/QA HMA, 2, 70 SURFACE, 9.5mm
 - (Rx) CURB RAMP (X DESIGNATES TYPE)
 - (T) ASPHALT MATERIAL FOR TACK COAT
 - (13) CONCRETE BARRIER CURB, 150 mm
 - (14) CONCRETE ROLL CURB, 600 mm
 - (15) CONCRETE CURB AND GUTTER, 600 mm
 - (16) CURB TURNOUT
 - (26) SODDING (NURSERY)

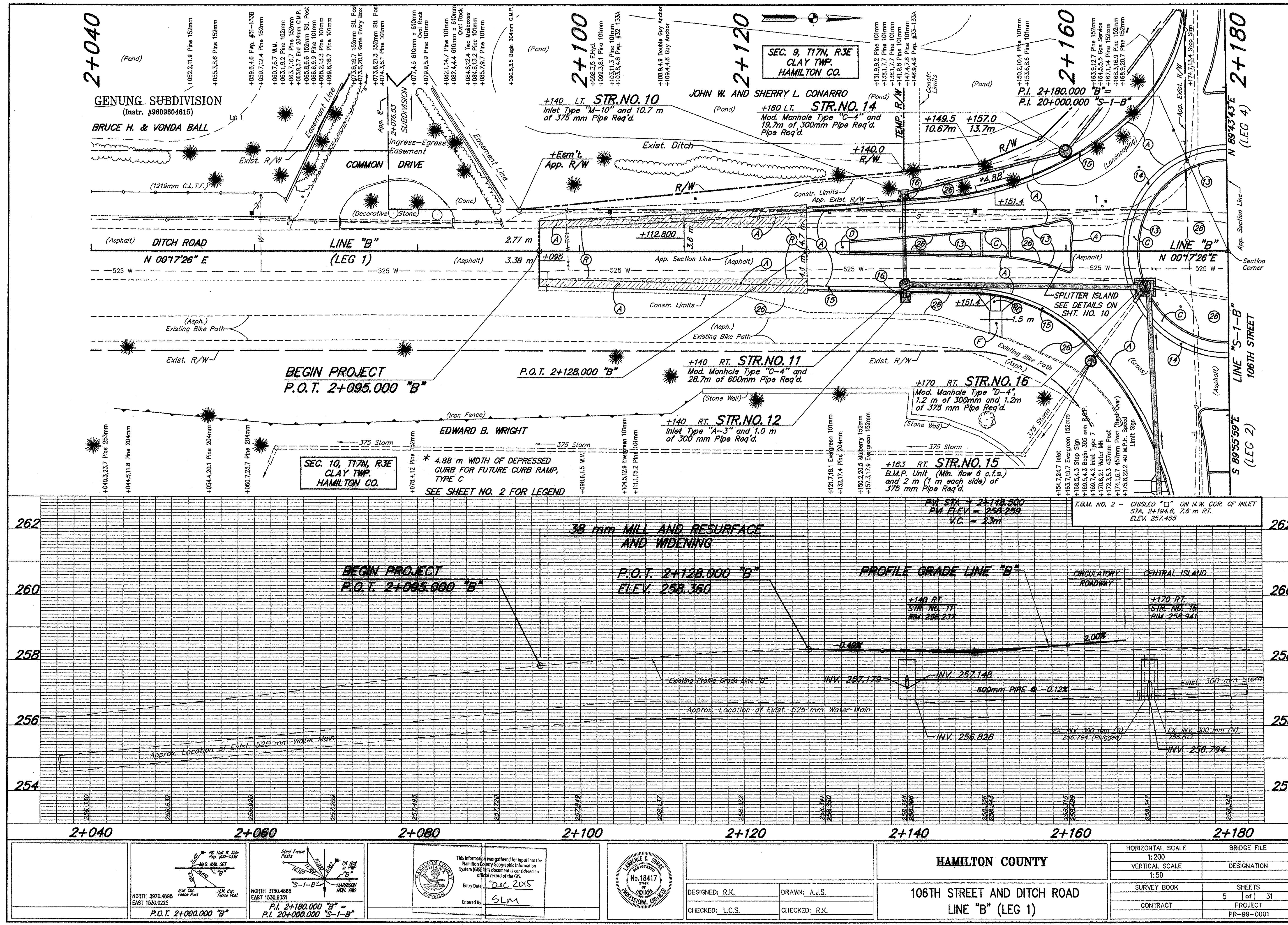


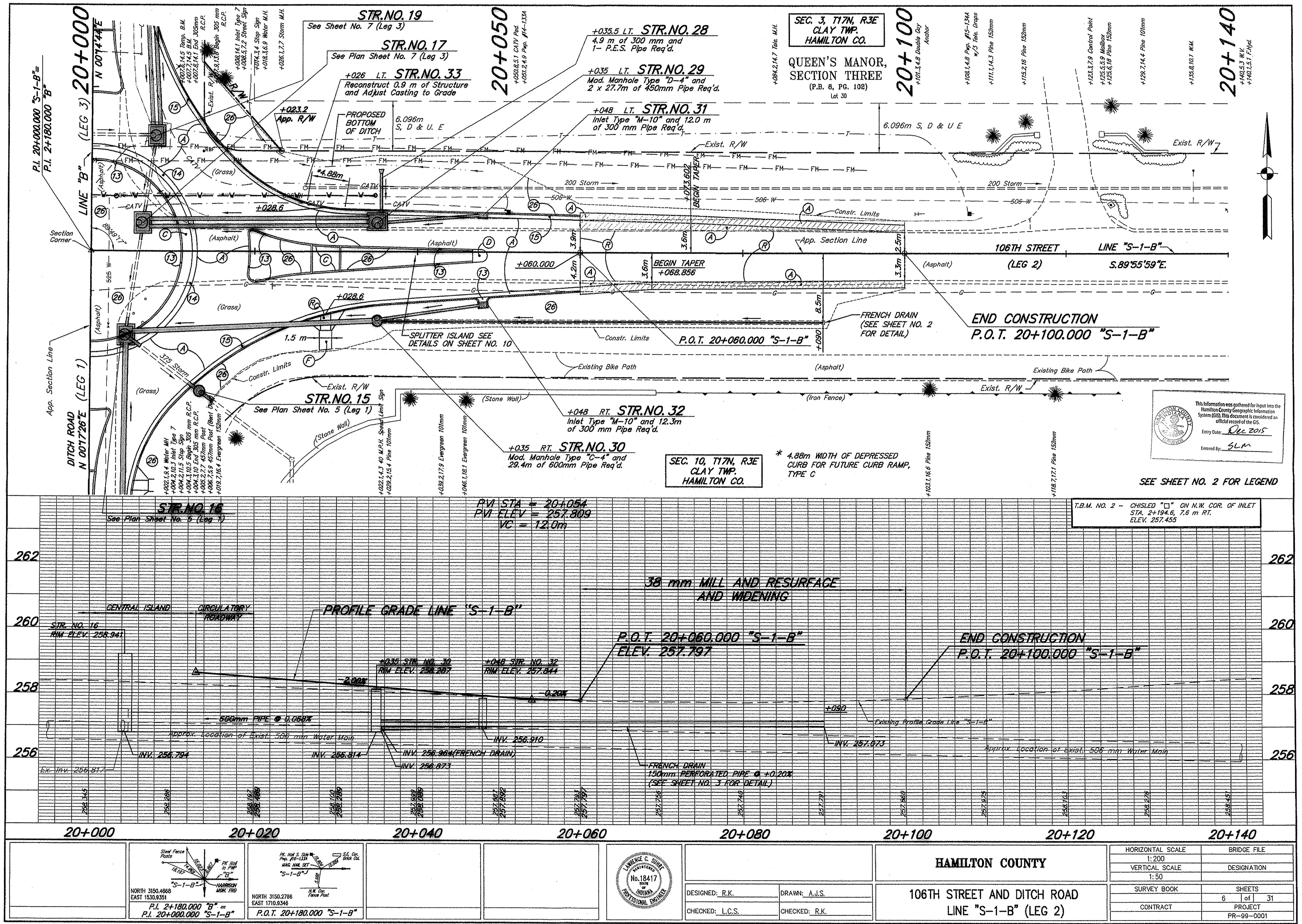
DESIGNED: <u>R.K.</u>	DRAWN: <u>A.</u>
CHECKED: <u>L.C.S.</u>	CHECKED: <u></u>

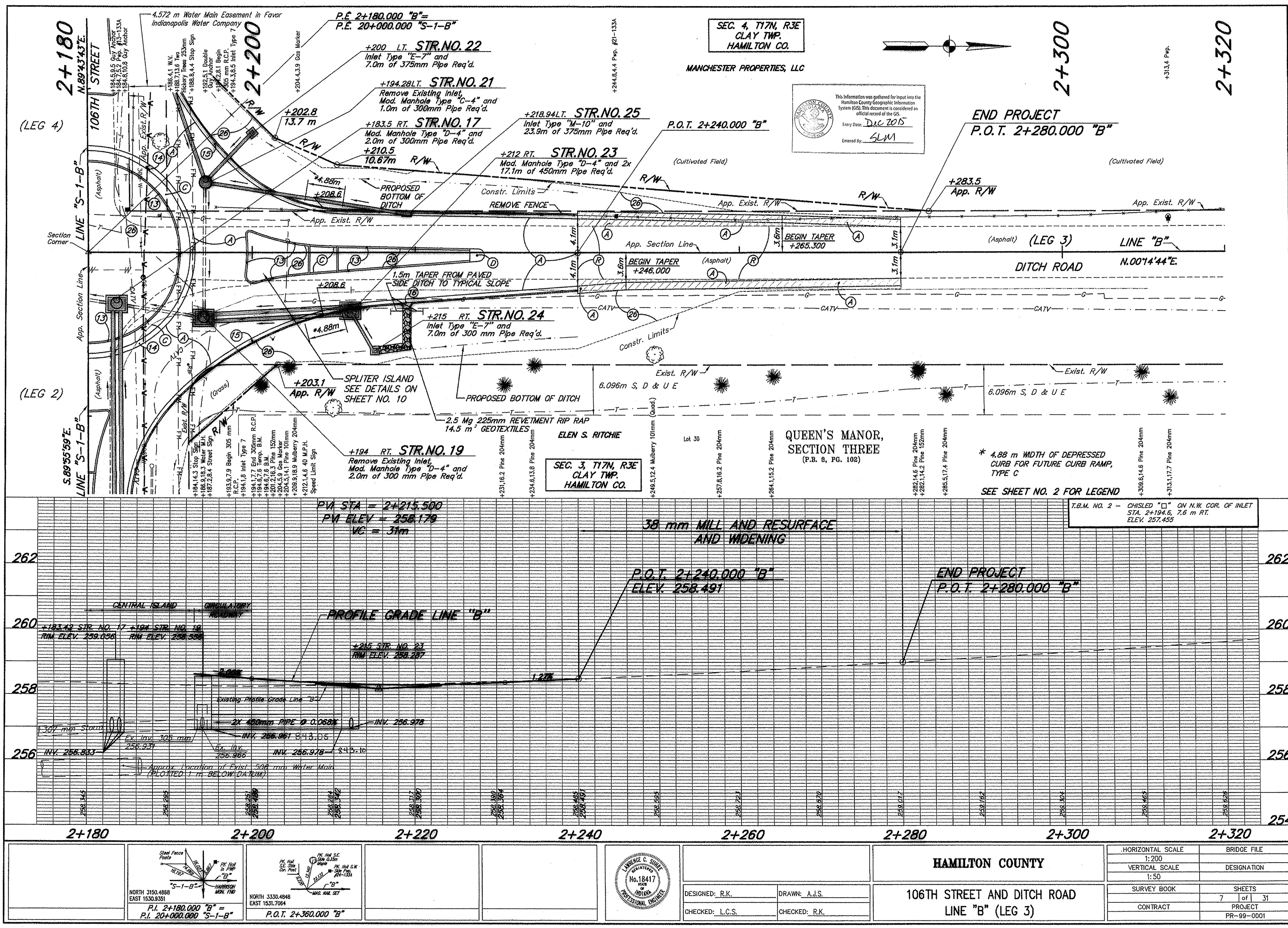
HAMILTON COUNTY

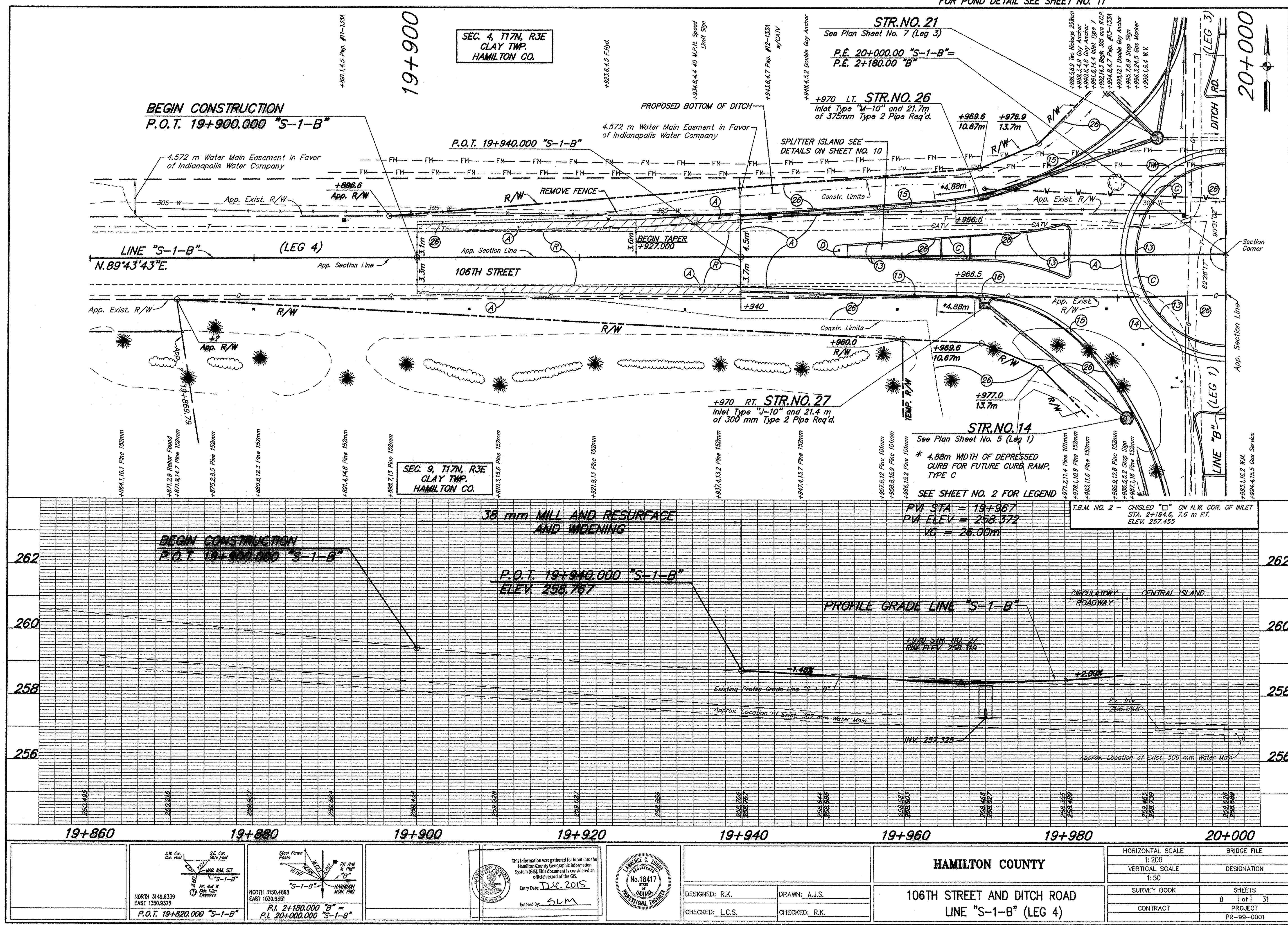
106TH STREET AND DITCH ROAD
TYPICAL CROSS SECTIONS

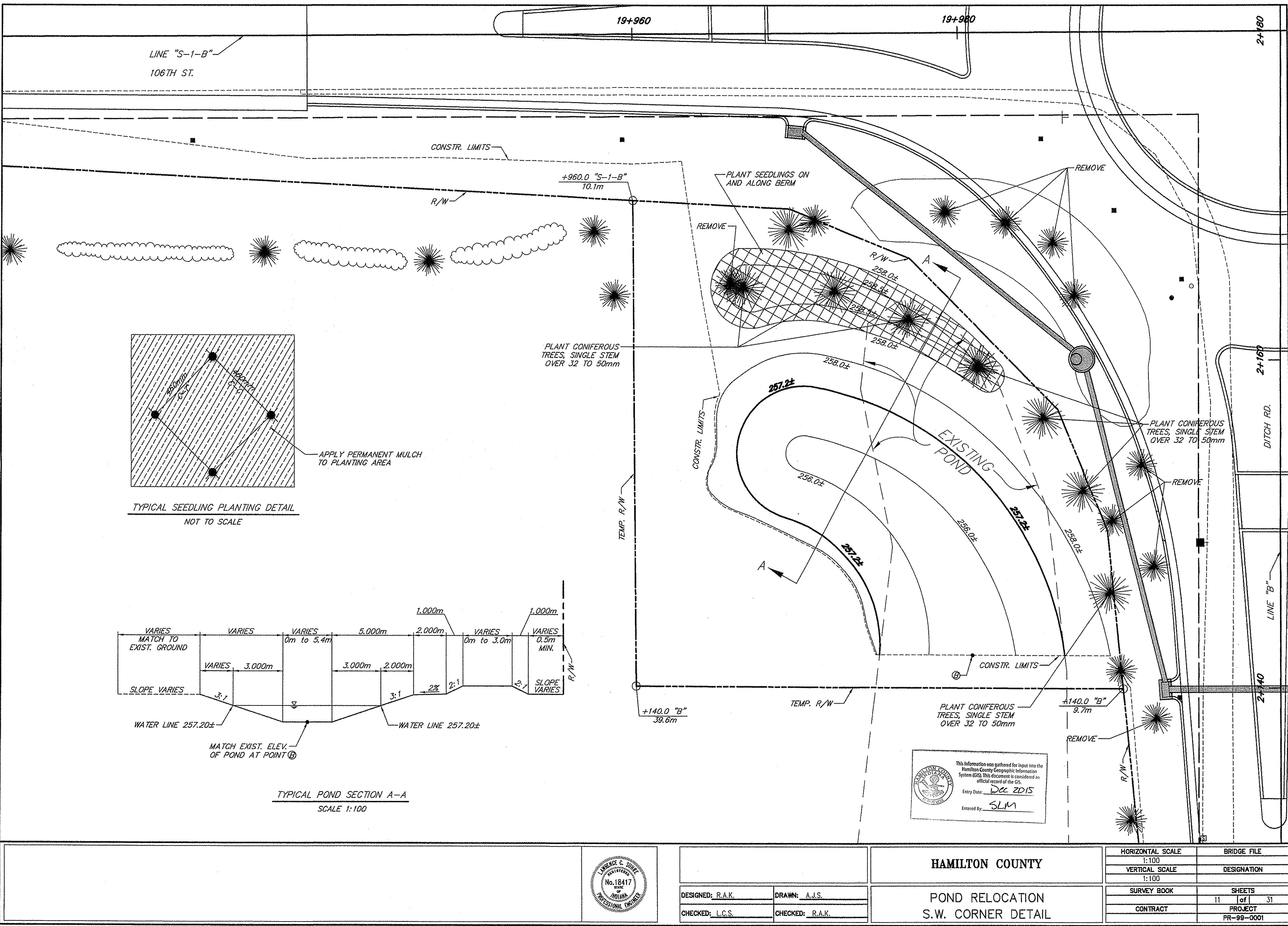
HORIZONTAL SCALE AS NOTED	BRIDGE FILE
VERTICAL SCALE AS NOTED	DESIGNATION
SURVEY BOOK	SHEETS
	2 of 31
CONTRACT	PROJECT
	PR-99-0001

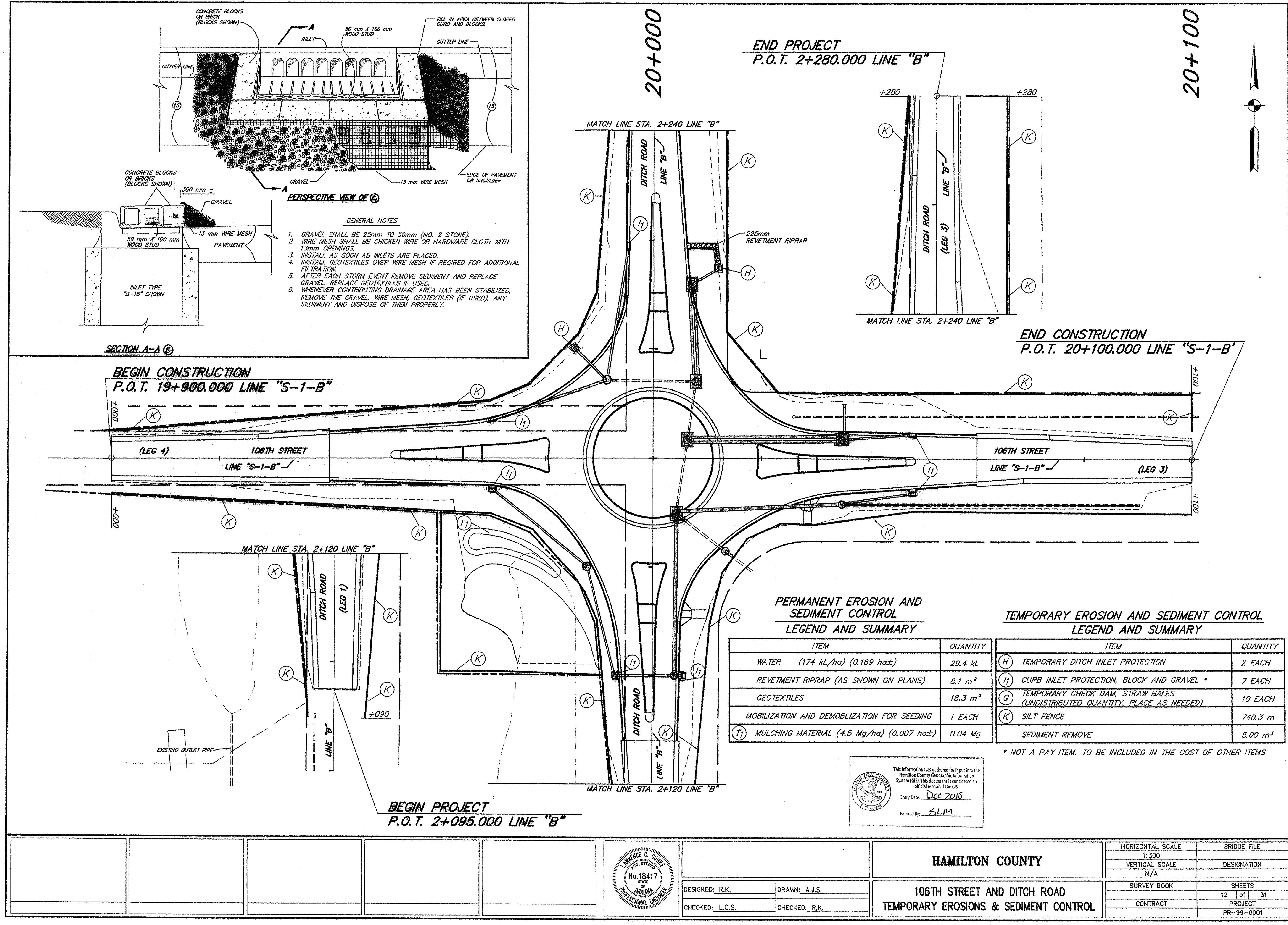


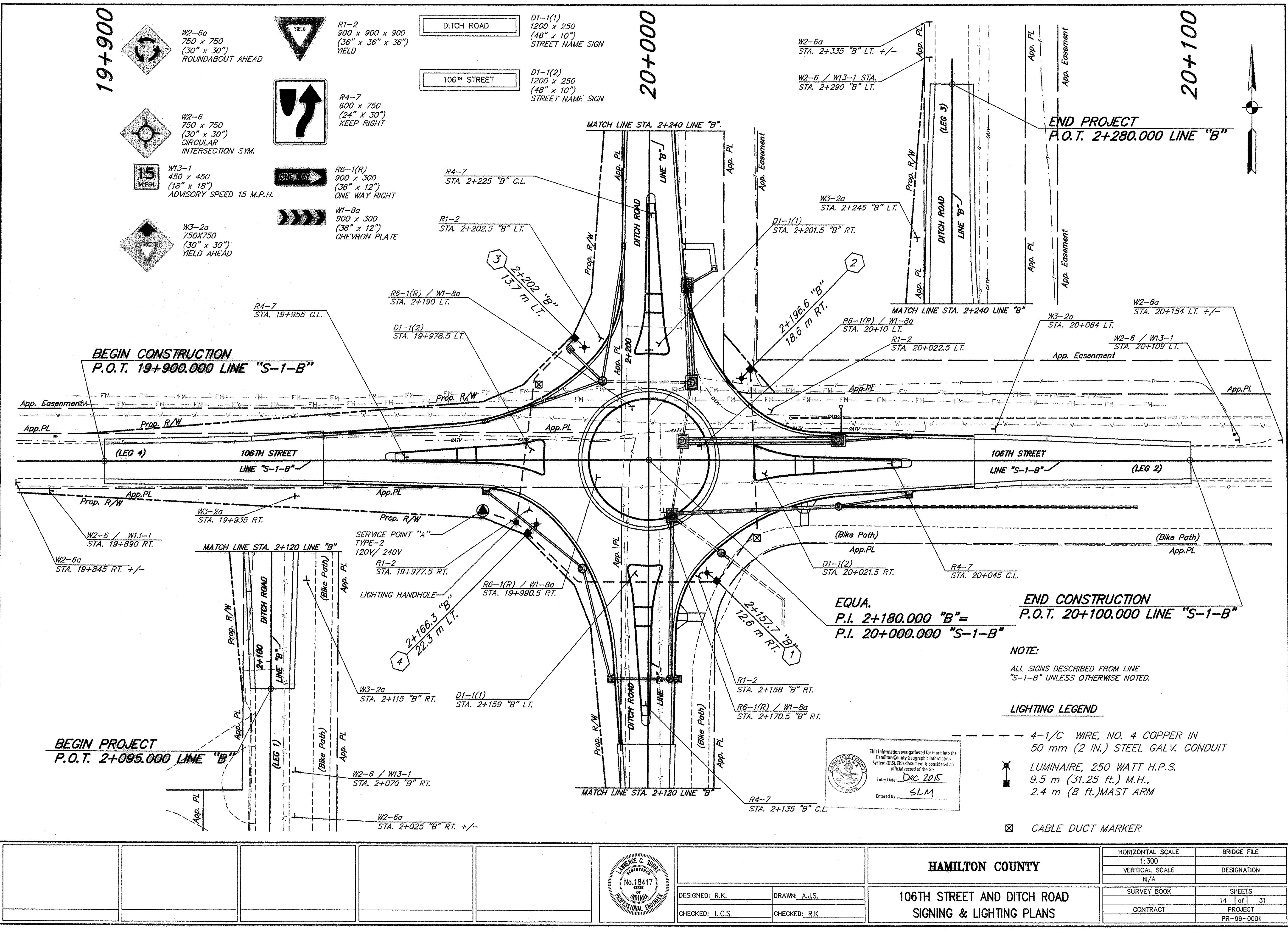












SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	DISTANCE BEYOND R/W LINE	RADII	GRADE (LESS THAN 10% NOT SHOWN)	EXCAVATION m ³	QC/QA HMA				HMA TYPE A SURFACE 9.5 mm, MAINLINE kg/m ²	HMA TYPE A INTERMEDIATE 19.0 mm, MAINLINE kg/m ²	HMA BASE TYPE A 25.0 mm, SHOULDER kg/m ²	PCCP FOR APPROACHES PCCP (STAMPED)	SUBGRADE TREATMENT TYPE: III m ² m ² m ² m ²	ASPHALT MATERIAL FOR: PRIME COAT Mg TACK COAT Mg SEAL COAT Mg TYPE 2 Mg TYPE 5 Mg Mg Mg	COMPACTED AGGREGATE FOR BASE, SIZE NO. 53 102mm 150mm 250mm 300mm	PAVEMENT REMOVAL m ²	SURFACE MILLING ASPHALT 3 m ²									
								2, 70		2, 64																			
								SURFACE 9.5 mm, MAINLINE kg/m ²	INTERMEDIATE 19.0 mm, MAINLINE kg/m ²	BASE 25.0 mm, SHOULDER kg/m ²	kg/m ²																		
		"W" m	"L" m	"R" m	%	%	CUT +25%	FILL Mg	90 Mg	150 Mg	180 Mg	60 Mg	120 Mg	180 Mg	225mm m ²	180mm m ²	III m ²	III m ²	JA m ²	PRIME COAT Mg	TACK COAT Mg	SEAL COAT Mg	TYPE 2 Mg	TYPE 5 Mg	PAVEMENT REMOVAL m ²	SURFACE MILLING ASPHALT 3 m ²			
LINE "B"																													
POND TOTALS								29	153																				
MAINLINE TOTALS								832	1443	325	387																		
ASFALT PAVEMENT REMOVAL (8")								305	381																				
TOTALS								1166	1977	325	387																		
** INCLUDED IN MAINLINE QUANTITIES																													
BORROW	1686 m ³																												
WET EXCAVATION POND TOTALS * (NOT INCLUDED IN OTHER TOTALS)	86*	30*																											

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	PIPE SIZE	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKREW	FLOW LINE UP STREAM	DOWN STREAM	SERVICE LIFE	COVER	STRUCTURE BACKFILL TYPE	pH	GATED BOX END SECTION	SAFETY METAL END SECTION	REMARKS	STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	PIPE SIZE	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKREW	FLOW LINE UP STREAM	DOWN STREAM	SERVICE LIFE	COVER	STRUCTURE BACKFILL TYPE	pH	GATED BOX END SECTION	SAFETY METAL END SECTION	REMARKS
LINE "B"																																					
9 DELETED																																					
10 2+140.0 X																																					
					</																																

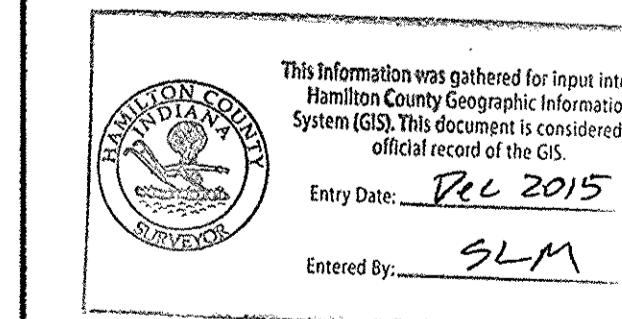
UNDERDRAIN TABLE

UNDERDRAIN PIPE

Underdrain Pipe Limits	Type 4 Pipe				Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. _____	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	OUTLET PIPE	Remarks
	100 mm (m)	150 mm (m)	Geotextile for Underdrains (m2)	Aggregate for Underdrains (m3)							
LEG 1 RT.											
2+095		44.5	155.8	9.4	0.20%	257.080	N				HIGH POINT
2+139.5						256.991	N	11	256.986	1	LOW POINT
2+140.5		24.9	87.2	5.3	1.03%	257.268	N	11	257.265	1	LOW POINT
2+163.5						257.524	N				HIGH POINT
LEG 1 LT.											
2+095		44.5	155.8	9.4	0.20%	257.080	N				HIGH POINT
2+139.5						256.991	Y	11	256.960	2	CROSSES ROADWAY
2+168.7		30.9	108.2	6.5	0.54%	257.525	N				HIGH POINT
2+140						257.357	N	10	257.352	1	LOW POINT
LEG 2 RT.											
20+016.9		21.3	74.6	4.7	1.76%	257.525	N				HIGH POINT
20+035						257.150	N	29	257.145	2	
20+036.5		11.3	39.6	2.5	0.20%	257.150	N				
20+047.8						257.120	N	31	257.115	2	LOW POINT
20+048.5		51.5	180.3	10.9	0.20%	257.120	N	31	257.115		LOW POINT
20+100						257.223	N				HIGH POINT
LEG 2 LT.											
20+011.1		44.2	154.7	9.3	0.20%	257.640	N				HIGH POINT
20+024.1						257.550	N				INSTALLED OVER PIPE
20+024.1		23.9	83.7	5.3	1.91%	257.550	N				INSTALLED OVER PIPE
20+048						257.060	N	32	257.055	2	LOW POINT
20+048		52.0	55.5	11.0	0.20%	257.060	N	32	257.055	2	LOW POINT
20+100						257.164	N				HIGH POINT
COLUMN 1											
SUB TOTALS		349.0	1095.4	74.3	X	X	X	X	13	9.0	

Summary of Underdrain Quantities

Pipe, Type 4, Circular, 150 mm..... 750 m
 Pipe, Underdrain Outlet, 150 mm..... 15 m
 (Additional 6 m added for elbows and connectors)
 Aggregate for Underdrains..... 136 m³
 Geotextiles for Underdrains..... 2498 m²
 Structure Backfill 4 m³
 Video Inspection for Underdrains..... 1000 m



UNDERDRAIN TABLE

UNDERDRAIN PIPE

Underdrain Pipe Limits	Type 4 Pipe				Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. _____	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	OUTLET PIPE	Remarks
	100 mm (m)	150 mm (m)	Geotextile for Underdrains (m2)	Aggregate for Underdrains (m3)							
LEG 3 RT.											
2+191.2		22.4	78.4	4.7	1.10%	257.524	N				HIGH POINT
2+210.6						257.276	N	23	257.273		LOW POINT
2+213.5		66.5	232.8	14.0	0.96%	257.276	N	23	257.273		LOW POINT
2+280						257.892	N				HIGH POINT
LEG 3 LT.											
2+197.2		6.0	21.0	1.3	0.20%	257.612	N				HIGH POINT
2+202.8						257.600	N				INSTALLED OVER PIPE
2+202.8		15.5	54.3	3.3	0.32%	257.600	N				INSTALLED OVER PIPE
2+218.3						257.240	N	25	257.235		LOW POINT
2+219.7		60.3	211.1	12.7	1.46%	257.240	N	25	257.235		LOW POINT
2+280						258.120	N				HIGH POINT
LEG 4 RT.											
19+900		70	245.0	2.7	1.31%	258.400	N				HIGH POINT
19+970						257.480	N	27	257.475	2	LOW POINT
19+970		15.0	52.5	3.2	0.30%	257.480	N	27	257.475	2	LOW POINT
19+983.1						257.525	N				HIGH POINT
LEG 4 LT.											
19+900		70.0	245	14.7	1.46%	258.500	N				HIGH POINT
19+970						257.490	N	26	257.488		LOW POINT
19+970		20.4	71.4	4.3	0.20%	257.490	N	26	257.488	2	LOW POINT
19+988.4						257.531					HIGH POINT
FRENCH DRAIN ON LEG 2 RT.											
20+035.5		54.5	190.8	24.6	0.20%	256.964	N	30	256.964		LOW POINT
20+090						257.073	N				HIGH POINT
COLUMN 2											
SUB TOTALS		400.6	1402.3	60.9	X	X	X	X	6	0.0	