Drain:	Pebble Brook Drain								
Improvement-Arm:	Little Chicago Road Improvement Phase I								
Date Approved:	June 9, 2008								
Dr	rain Input Checklist								
Create Regulated Drain Record in	Posse								
Drain Type									
Outlet (Tab)									
Outlet Attached									
Location									
Twp									
Certification									
Drain Number									
 Enter Improvement Arm in Posse (Construction Amount = Storm Dr Scan Documents 	rains, Erosion Control, Sub-surface drain & Earthwork)								
Surveyeen ² a Dan out	П								
Surveyor's Report Engineer's Estimate									
Notices	П								
Findings and Order	П								
Petition									
Create Posse Inspection Job									
Enter into Watershed Summary Sp	oreadsheet								
Check for Vacation of Drain & Ma	ap Changes								
Check Drainage Easement Classifi	ication								
Sum drain length & Validate in GI									
• Enter New Watershed Length into	Posse								
Create Boundary of Improvement	in GIS								





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

June 6, 2008

To: Hamilton County Drainage Board

Re: Pebble Brook Drain, Little Chicago Road Improvement Phase 1 Project

Attached are asbuilts, plans, and other information for the Little Chicago Road Improvement Phase 1 project as done by the City of Noblesville. An inspection of the drainage facilities for this project has been made and the facilities were found to be complete and acceptable.

This report will serve as an initial and final report for this construction. This road project began north of State Road 32 and continued north to a point south of State Road 38. The project area is delineated on the asbuilt by the Donahue & Associates plans and file stamped dated November 8, 2007. During this construction the Pebble Brook Drain was affected. The changes are as follows:

#191 Pebble Brook Drain:

Pebble Brook Section 1: The improvements for Little Chicago Road at Sandbrook Drive removed the existing drain running between Structures 110, 111, 112, 113 as shown of the plans prepared by Schneider Engineering Corp., record drawing dated May 25, 1988, Sheet R-1. This removed 58 feet of 12" RCP. Also removed was an existing headwall- Structure 115. The existing tile was outleted into new box culvert structure (Structure 166). Structure 109-112 is an 18" RCP and it was shortened by 15 feet. This is shown on Sheets 11 and 12 on the Donahue plans.

Pebble Brook Section 2: The improvements for Little Chicago Road at Fairway Drive removed the existing drain shown on the plans prepared by Schneider Engineering Corp., Record Drawings dated May 25, 1988, Sheet R-4 and plan prepared by Paul I. Cripe Inc. Job No. 81348-00200 dated December 6, 1983, Sheet No. 8, running between Structures 120, 121, 122, 123 and 124. Also, a structure (196A) was set on the existing 15" RCP between Structures 119 to 123. These changes removed 75 feet of 12" RCP and 35 feet of 15" RCP. The improvements for Little Chicago Road also removed the existing outlet for Pebble Brook Section 2 which consisted of 955 feet of open ditch, 780 feet of 6" SSD and 173 feet of 4" SSD. Structure 129 was removed and existing 12" CMP and 4" SSD into new Structure 183B. This added 32 feet of 12" CMP. This is shown on Sheets 11 and 12 on the Donahue plans.

<u>Pebble Brook Relocation – 1994:</u> The improvements for Little Chicago Road removed the existing 58 feet of dual 72" RCP in the old right of way shown on plans prepared by MSE Surveying, Job No. 121-3706 dated January 16, 1998. This was the conduit for the open ditch crossing Little Chicago Road. These pipes were replaced by Structure 166 which consists of a 16' x 6' concrete box culvert as shown on Sheet 11 of the Donahue plans.

The new drainage structures will be regulated as a result of this project are as follows: 217A, 217B, 214, 215, 213B, 213A, 213B, 204B, 204A, 204B, 196B, 193, 195B, 195A, 190, 189B, 189A, 185B, 185A, 184, 183B, 183A, 181B, 181A, 179B, 179A, 177, 173B, 173A, 171, 169, 167, 166, 163, 155, 154, 153.

12" RCP - 64	12.2 ft.	18" RCP - 31 ft.	30" RCP - 296 ft.
12" CMP -	32 ft.	21" RCP - 48 ft.	36" RCP - 317 ft.
15" RCP -	68 ft.	27" RCP – 440 ft.	16' x 6' Box Culvert – 144 ft.

The total length of new drain is 2,018.2 feet. The length of Pebble Brook Drain removed was 2,207 feet. Therefore, this project removed 188.8 feet from the drain's overall length.

Upon approval of the reconstruction, I recommend the Board approve the drain's construction as complete and acceptable.

The work was completed within the right of way owned by the City of Noblesville and paid for by the City. Therefore, the project falls under the requirements as set out in IC 36-9-27-52.5. I recommend the Board approve the project at this time.

Sincerely.

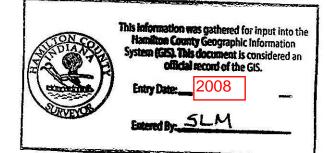
Kenton C. Ward, CFM Hamilton County Surveyor

KCW/pll

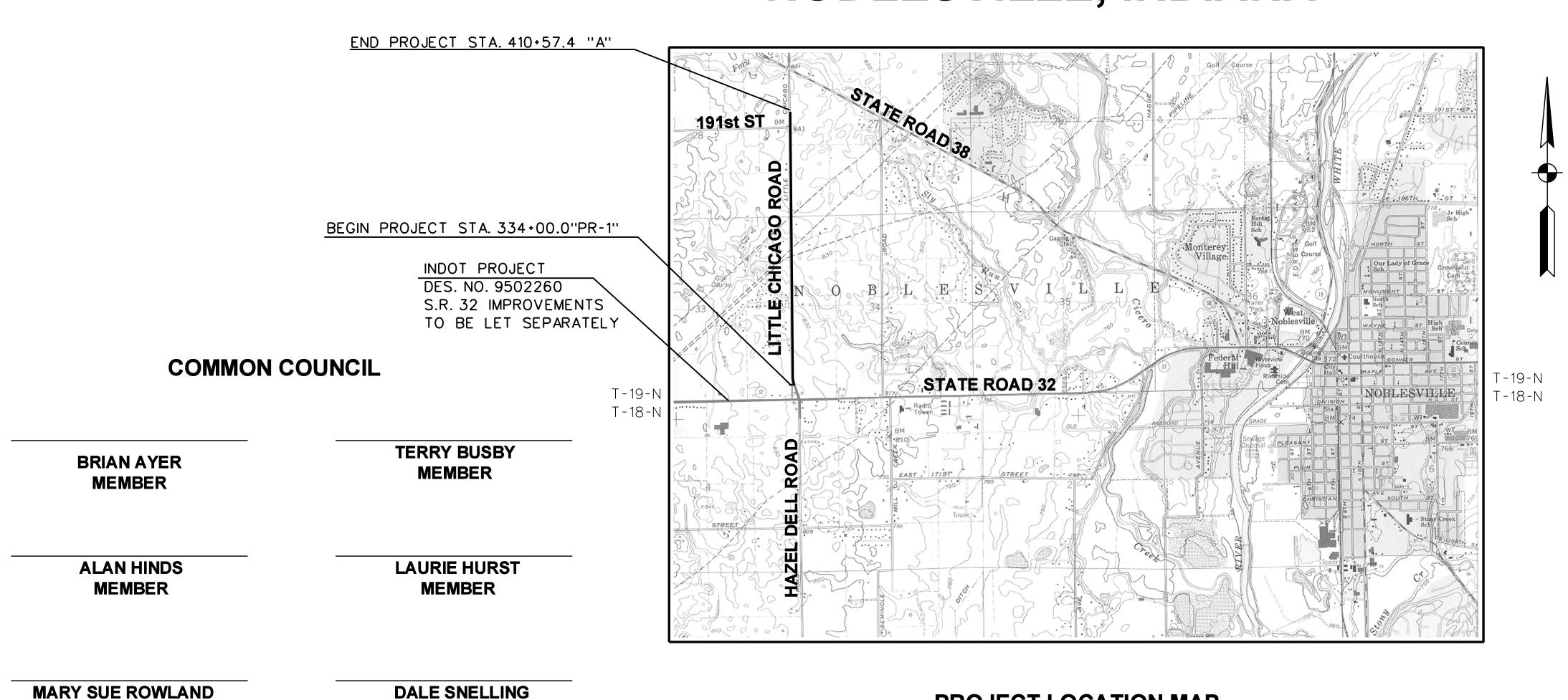
OF NOBLESVILLE

CITY OF NOBLESVILLE LITTLE CHICAGO ROAD IMPROVEMENTS PHASE I STATE ROAD 32 TO 191ST STREET

TRAFFIC DATA	LITTLE						
INHEFIC DHIH	CHICAGO RD.	S.R. 32	191ST ST.				
A.A.D.T. (2002)	5000	17500	600				
A.A.D.T. (2022)	6500	26600	800				
D.H.V. (2022)	610	3050	90				
DIRECTIONAL DISTRIBUTION	50/50	50/50	51/49				
TRUCKS % D.H.V.	3%	6%	1%				
% A.A.D.T.	3%	6%	1%				
E.S.A.L.	2,000,000	7,500,000	250,000				
DESIGN DATA							
DESIGN SPEED	45 mph	55 mph	30 mph				
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)	3R (NON-FREEWAY				
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR	PRINCIPAL ARTERIAL	MINOR COLLECTOR				
RURAL/URBAN	RURAL	RURAL	RURAL				
TERRAIN	LE VEL	LE VEL	LE VEL				
ACCESS CONTROL	NONE	NONE	NONE				



NOBLESVILLE, INDIANA



MAYOR

HONORABLE JOHN DITSLEAR

THE BOARD OF PUBLIC WORKS AND SAFETY

LAWRENCE J. STORK MEMBER

JACK E. MARTIN MEMBER

CLERK-TREASURER

JANET S. JAROS

NOBLESVILLE CITY ATTORNEY

MICHAEL A. HOWARD

NOBLESVILLE CITY ENGINEER

KEVIN A. JUMP, P.E.



MEMBER

101 WEST OHIO STREET, SUITE 820, INDIANAPOLIS, INDIANA 46204 PHONE: 317.267.8200 FAX: 317.267.8201



PROJECT LOCATION MAP

HAMILTON COUNTY

SCALE

CERTIFIED BY	DESIGN	I ENGINEER	DATE	
DESIGNED:	RBA	DRAWN:	RBA	
CHECKED:	BR	CHECKED:	BR	

CITY OF NOBLESVILLE
LITTLE CHICAGO ROAD - PHASE I

STATE ROAD 32 TO 191st STREET

	HURIZUNTAL SCALE	DRIDGE FILE
	N/A	N/A
	VERTICAL SCALE	DESIGNATION
	N/A	N/A
$\overline{}$		
	SURVEY BOOK	SHEETS
	N/A	1 of 87
	CONTRACT	PROJECT
	NI / A	LITTLE CHICAGO BOAD

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MEMBER

KATHIE STRETCH

MEMBER

GENERAL NOTES

All earth shoulders, median areas, and cut or fill slopes shall be plain or mulch seeded except where sodding is specified.

Post lengths are approximate. The contractor shall determine the post lengths required to assure that the signs are installed with the mounting height being in accordance with the Indiana Manual of Uniform Traffic ControlDevices.

Unless otherwise noted in these plans, the contractor shall furnish and install all material required for the complete installation of the signs and sign supports.

Sheet signs and posts shall not be ordered until the exact number of signs and length of each post has been determined upon field investigation.

All signs shall be marked for identification. The marking material shall be either scotch Lite, seibulite, reflexite or approved equal. The indentifying message shall consist of Noblesville and the month and year the sign is installed. The message copy shall consist of black or white lettering on the white or black background respectively and be of a minimum of 1" in height. The marking for sheet signs shall be placed in the lower corner closest to the center line of the road. The marking shall not be covered by the sign's support after installation of the sign.

Stop sign shall not be removed unil the new one is at the job site and ready to be installed. Signs shall be seen by travel motorists at all times.

COORDINATION OF DRAWINGS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS: The contract documents which are listed in the agreement are intended to be complementary and to describe and provide for complete work. A requirement appearing in one is binding as though occuring in all. In case of discrepancy, the following order of precedence will apply:

1. Documents appearing within the project manual, including the special provisions. 2. Project drawings as listed in agreement.

3. Standard Specifications as published by the Indiana Department of Transportation, 1999, including Supplements effective of the Bid Date.

PRESENCE OF UTILITIES: Existing utilities shown on plans are approximate in accordance with available records and physical evidence. Other utilities may also be present. Exact locations and elevations are to be determined by contractor. Locator services shall be contacted prior to work.

USE OF INDOT STANDARD SPECIFICATIONS: Materials, workmanship, measurements and payments shall be as required by the INDOT Standard Specifications unless specifically modified by the plans or Special Provisions.

DEWATERING: No separate payment shall be made for any dewatering activities as may be required to complete the work of this contract. Dewatering shall be conducted at the Contractor's expense as necessary to complete the work in a satisfactory manner, and the cost of dewatering shall be included in the other items of the Contract.

Payment for "Clearing Right-of-Way" shall include all miscellaneous removals noted on the plans or implied by the work required on the plans, unless a unit price pay item has been designated for that work. Work included in "Clearing Right-of-Way" shall include, but not be limited to, headwalls, stumps, trees, fences and existing pipes and structures.

	REVISIONS											
NO.	SHEET	DATE	REVISED									
_												

UTILITIES

TELEPHONE Ameritech 5858 N. College Avenue Indianapolis, IN 46220 (317) 252-5143

20905 Hague Road

(765)983-4506

(765)423-3088

(317) 776-8495

John Foster

Verizon

Cinergy 100 S. Mill Creek Rd Noblesville, IN 46060 (765) 454-6181 Attn: Mr. Mark LaBarr Attn: Mr. Dave Musall

ELECTRIC

CABLE TV Insight Communications Noblesville, IN 46060 15229 Stone Creek Way Attn: JoAnn Anthony

Noblesville, IN 46060 (317) 776-4495 Attn: Mr. Timothy Gipson

COUNTY REGULATED DRAINS Hamilton County Surveyor's Office Mike Kole, Suite 188 One Hamilton County Square Noblesville, IN 46060-2230

<u>GAS</u> Vectren/Indiana Gas P.O. Box 1700 Noblesville, IN 46061 (317) 776-5534 Attn: Mr. Don Perdue **PIPELINES**

Panhandle Eastern Pipe Line 9371 Zionsville Road Indianapolis, IN 46268 (317) 733-3232 Attn: Mr. Mark Wood

SANITARY SEWER City of Noblesville

Wastewater Utility Dept. 197 W. Washington Street Noblesville, IN 46060 (317) 776-6353 Attn: Mr. Dennis Tyner

<u>WATER</u>

Indianapolis Water Company 1220 Waterway Boulevard Indianapolis, IN 46206 (317) 263-6429 Attn: Mr. Phil Mechan

	INDEX									
SHEET NO.	DESIGNATION									
1	TITLE SHEET									
2	INDEX									
3	TYPICAL CROSS SECTIONS									
4	MEDIAN AND SPECIAL PAVING DETAILS									
5-8	MAINTENANCE OF TRAFFIC									
9-14	PLAN AND PROFILES									
15-18	SIGN AND PAVEMENT MARKINGS									
19-20	SIGN SUMMARY SHEET									
21-24	LANDSCAPING PLANS									
25-28	IRRIGATION SYSTEM PLANS									
29	IRRIGATION SYSTEM DETAILS									
30-31	LIGHTING SERVICE PLAN & DETAILS									
32	MISCELLANEOUS QUANTITIES TABLE									
33	ROAD SUMMARY OF QUANTITIES TABLE									
34-36	UNDERDRAIN TABLE									
37	SPECIAL STORM AND SANITARY STRUCTURE DETAILS									
38-39	STRUCTURE DATA TABLE									
40-87	CROSS SECTIONS									

\triangle	R/W Monument & Property Corner	9	0.5 in Preformed Joint Filler
44	Panel Sign	<u>(3)</u>	Combined Curb and Gutter, B (sloped curb)
<u> </u>	Sheet Sign	14	Modified Combined Concrete Curb And Gutter
	Mail Box	(15)	Reverse Sloped Combined Concrete Curb And Gutter
	O.H. Guy Wire	<u>16</u>	Concrete Curb (Barrier)
	·	26)	Sodding
- →	Guy Wire	ⓒ	Concrete Curb Ramp (Type Designated By Symbol)
	Post	$\bigcirc B$	Stenciled Concrete Per SpecialProvisions
•	Water Meter	<u>(C1)</u>	6 in Cement Concrete Pavement For Driveways (Class I) or Path Crossing
θ	Gas Meter	(c3)	6 in Cement Concrete Pavement For Driveways On 8 in
© 00©0	Typical Manholes: C-Communications, E-Elec.,	(3)	Compacted Aggregate Type "O" No. 53's (Class III)
	L- Traffic Signal/Lighting,	Q 4	165 lb/Sys_ HMA Type B Surface 9.5mm on 275 lb/Sys
	S-Sanitary/Storm, T-Tele.	O	HMA Type B Intermediate 19.0mm on 8 in Compacted Aggregate Base. No. 53 (Public Road Approaches)
ū	Detector Housing	\overline{F}	Concrete Sidewalk (Varies width to match existing)
	Curb Inlet	<u> </u>	
■-	Power Pole	(K3)	Full Depth HMA Mainline Pavement for City/County Roads (See Typical Cross Section)
,	Telephone Pole		Special Median Tip Landscaping Treatment with Plantings
	Light Pole		(See Sheet 4 and Landscaping Details)
	Signal Strain Pole	(2)	Special Low Maintenance Median with Plantings (See Sheet 4 and Landscaping Details)
0	Signal Post with Mast Arm		
\bowtie	Water Valve	(M) (P1)	Multi-use Path Pavement (See Typical Cross Section)
\bowtie	Gas Valve	_	Full Depth HMA for Patching
IBT	Telephone Booth	(R1)	Mill and Resurface per Typical Cross Section
<u></u>	Fire Hydrant	R3	Wedge & Level Course per Plans and Typical Cross Sections
•	Soil Boring	<u>(\$1)</u>	HMA Shoulder Pavement per Typical Cross Section
(OH T,)	•	₹ <u>`</u>	Mulched Seeding, Crown-Vetch (In Addition to Rural or Urban Mix, Per Standard Specifications)
(UG T.)	Underground Telephone Line	(S_R)	Mulched Seeding, Rural (See Special Provisions)
(OH E.)	Overhead Electric Line	(I)	Mulched Seeding, Urban Mix (See Special Provisions)
(UG E.)	Underground Electric Line	, w	
(OH CBL.)	Overhead Cable T.V.	\nearrow	Trees Rushes
	Telephone Pedestal	<u>()</u> له	Trees, Bushes
(12" WATER)	Water Line	$\bigcap_{i \in \mathcal{A}} (i)$	Vegetation Boundary
(8" GAS)	Gas Line	W.	
=======================================	Typical Existing Pipes	XXX	Pine



1111111	RECOMMENDED FOR APPROVAL	DESIGN	ENGINEER	DATE
	DESIGNED:	RBA	DRAWN:	RBA
	CHECKED:	BR	CHECKED:	BR

HORIZONTAL SCALE CITY OF NOBLESVILLE LITTLE CHICAGO ROAD - PHASE I VERTICAL SCALE SURVEY BOOK N/A **INDEX AND GENERAL NOTES**

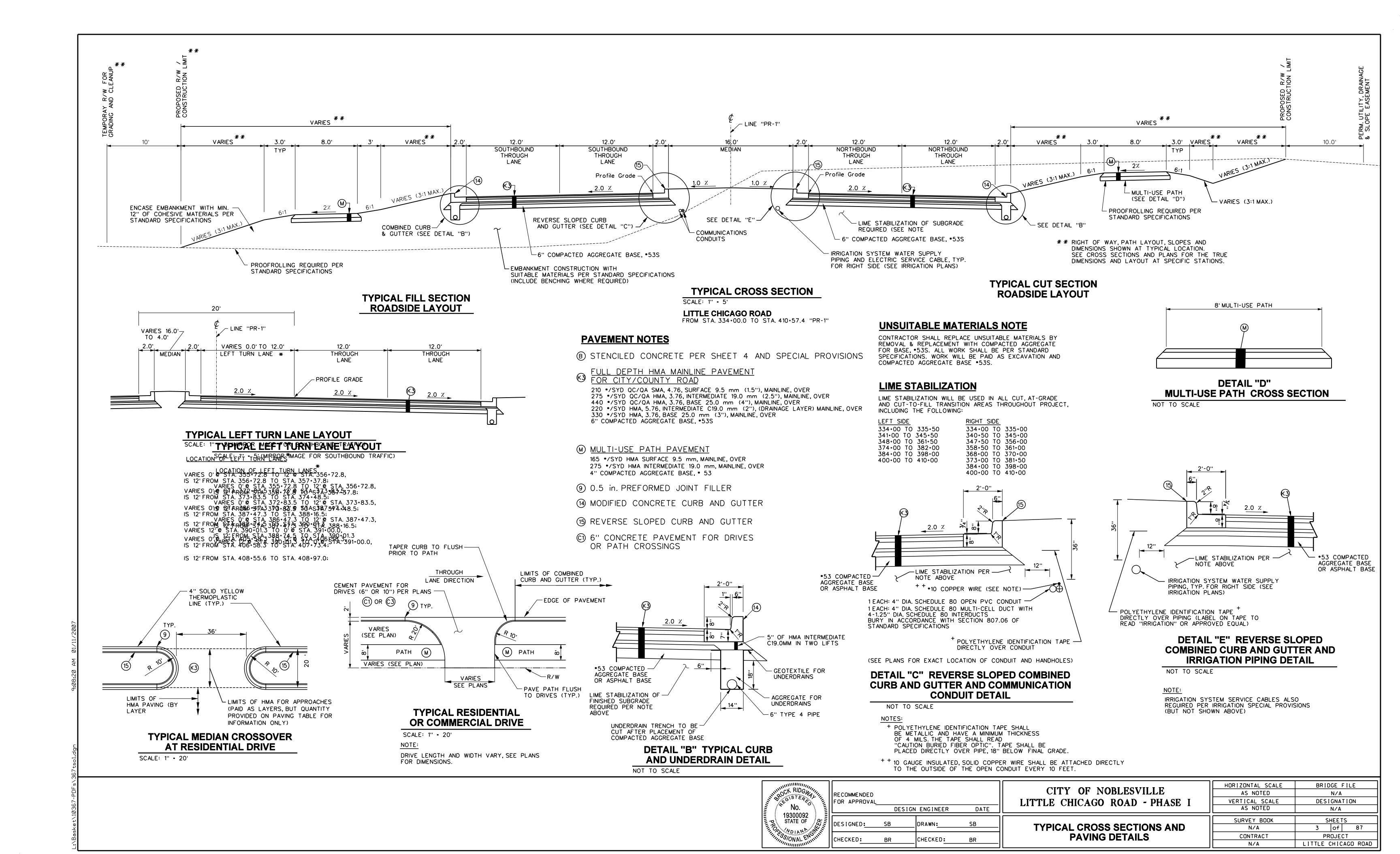
2 of 87 CONTRACT PROJECT LITTLE CHICAGO ROAD

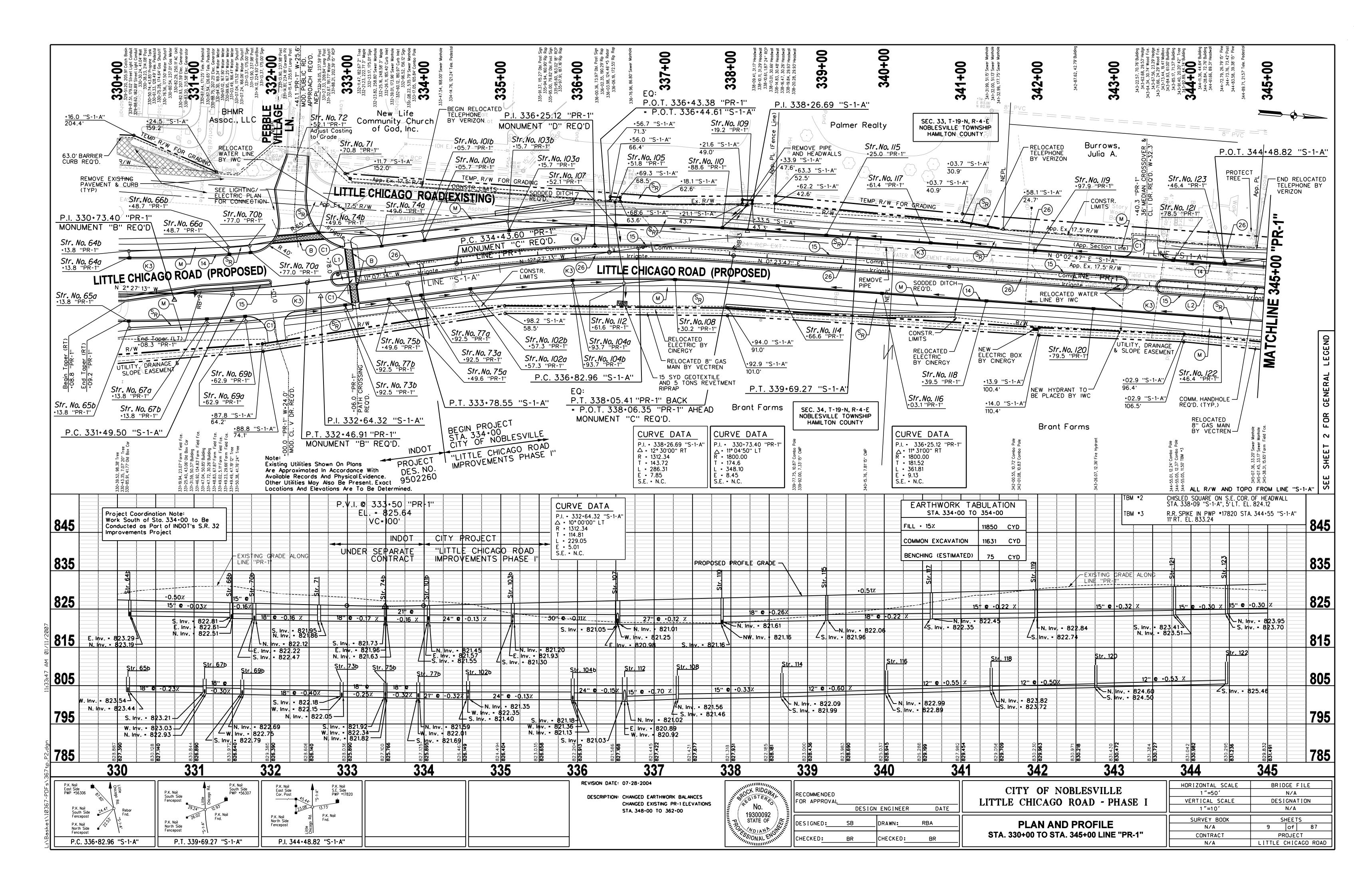
BRIDGE FILE

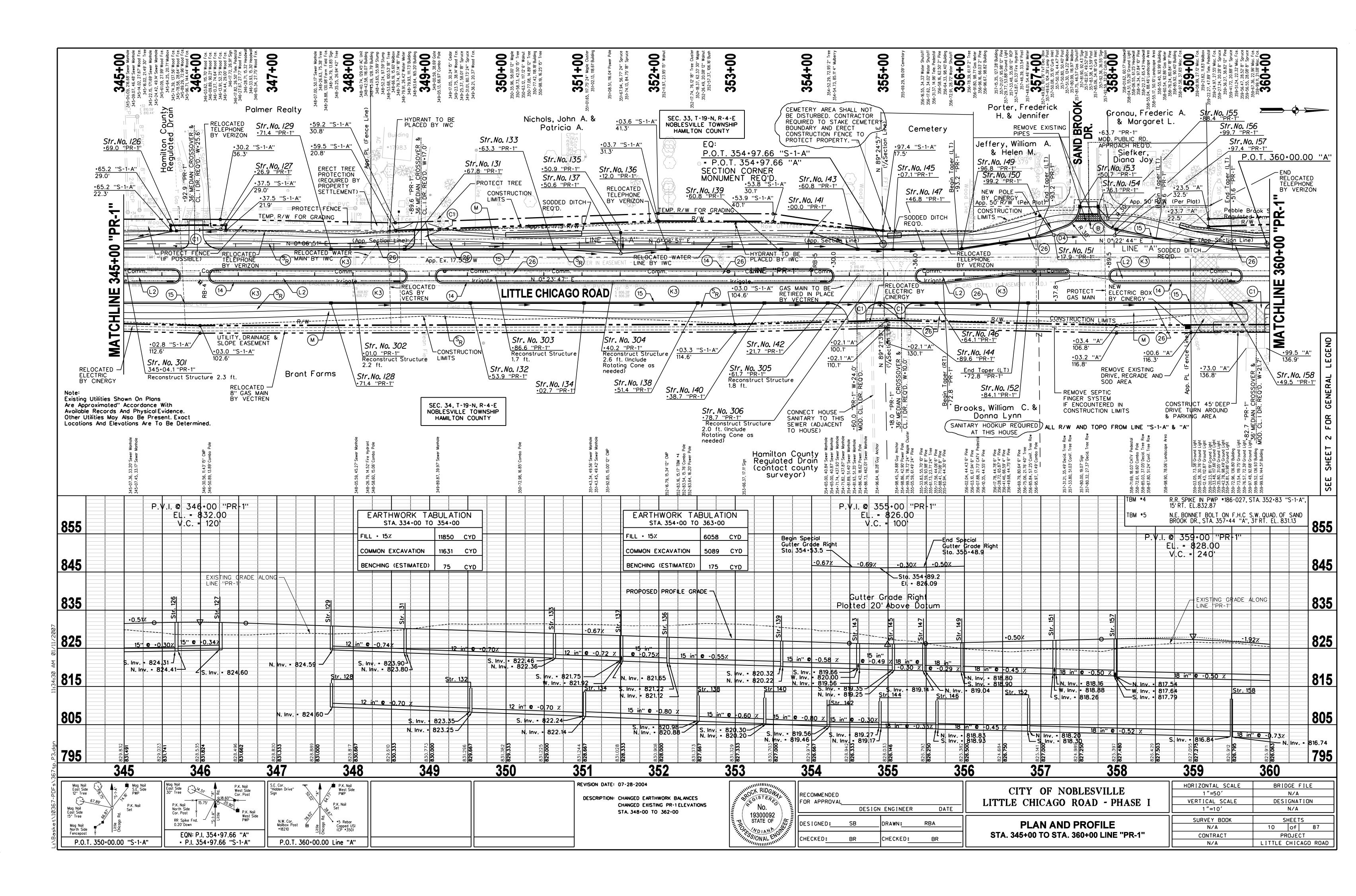
DESIGNATION N/A

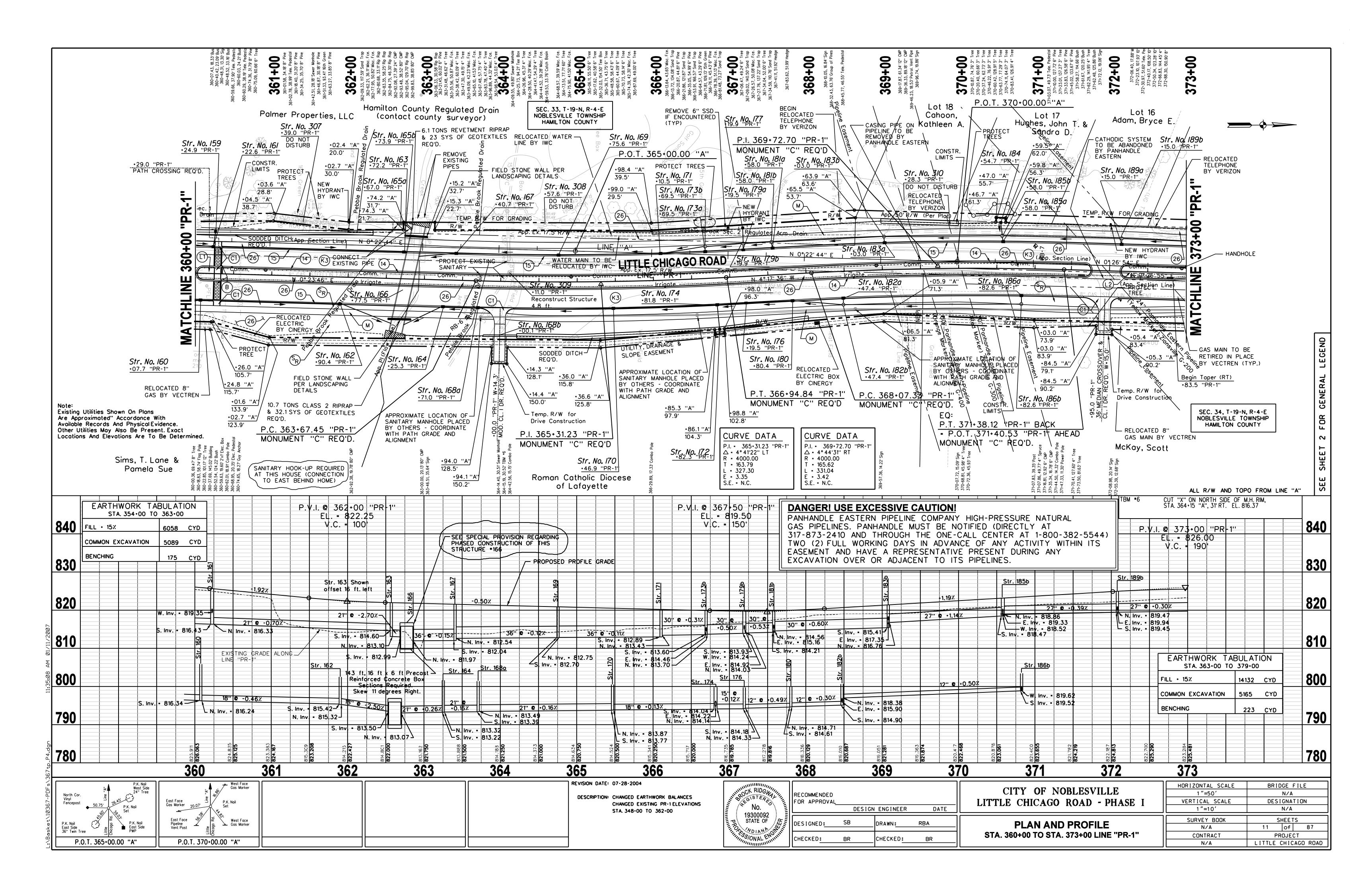
SHEETS

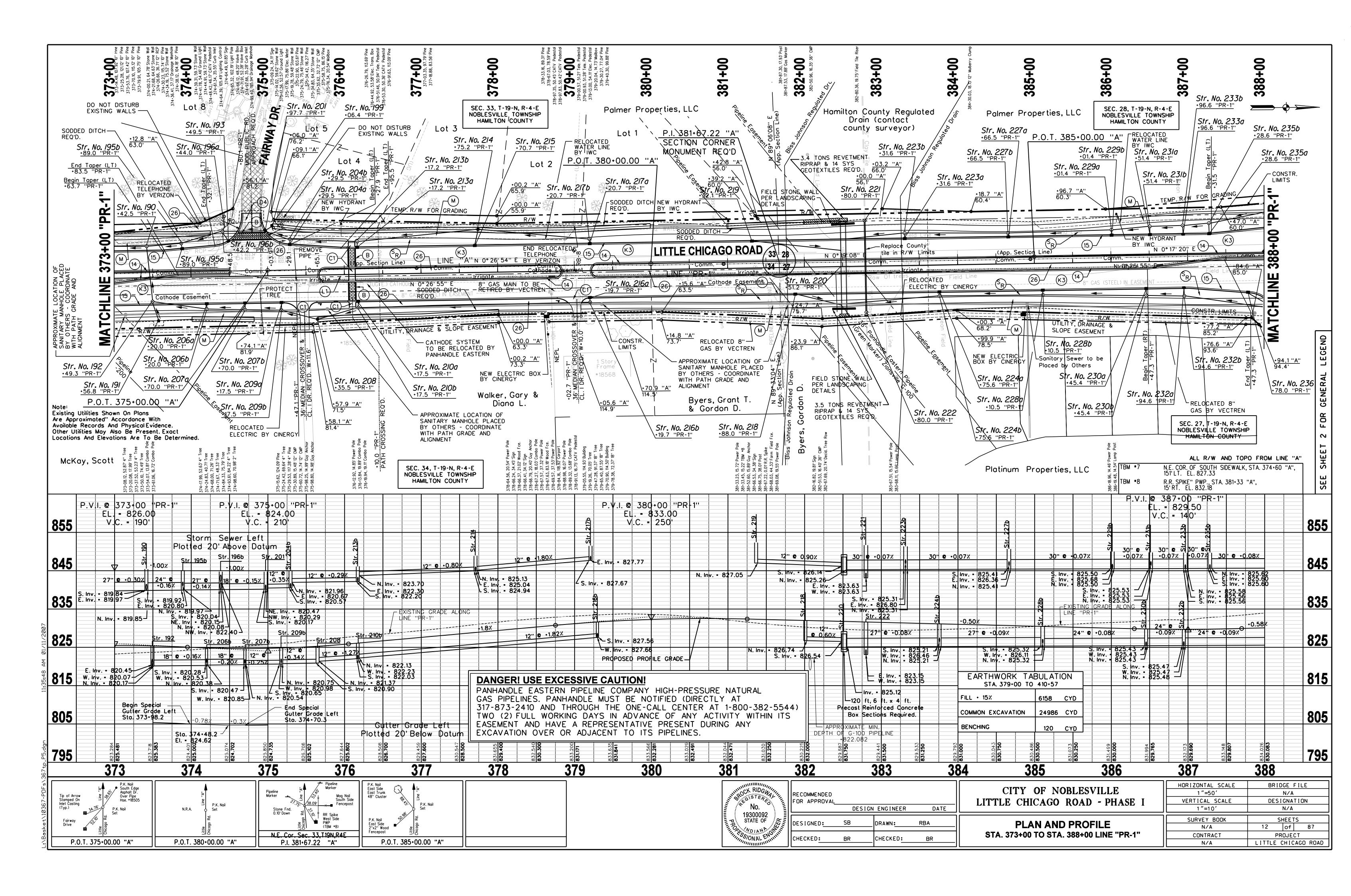
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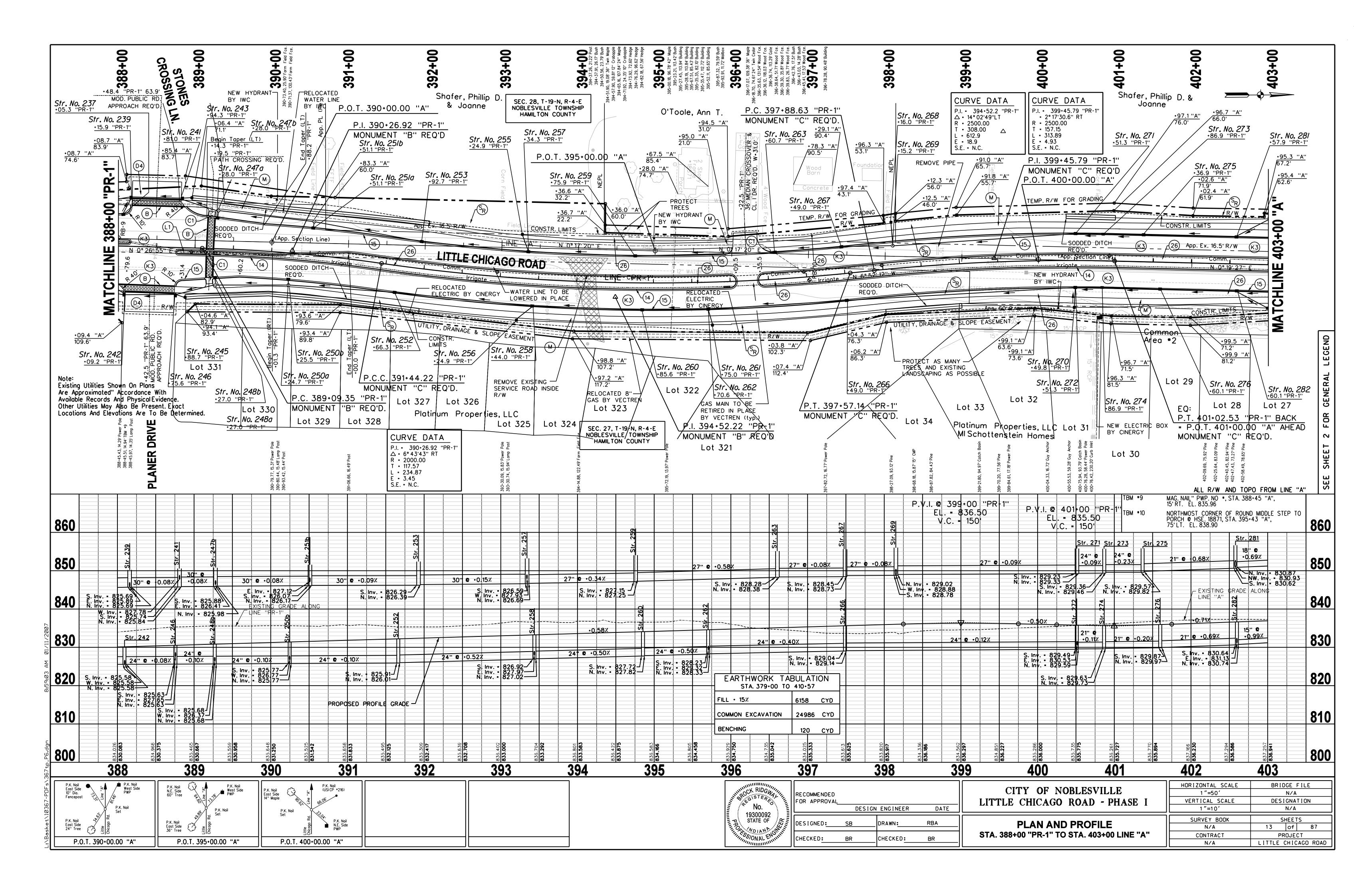


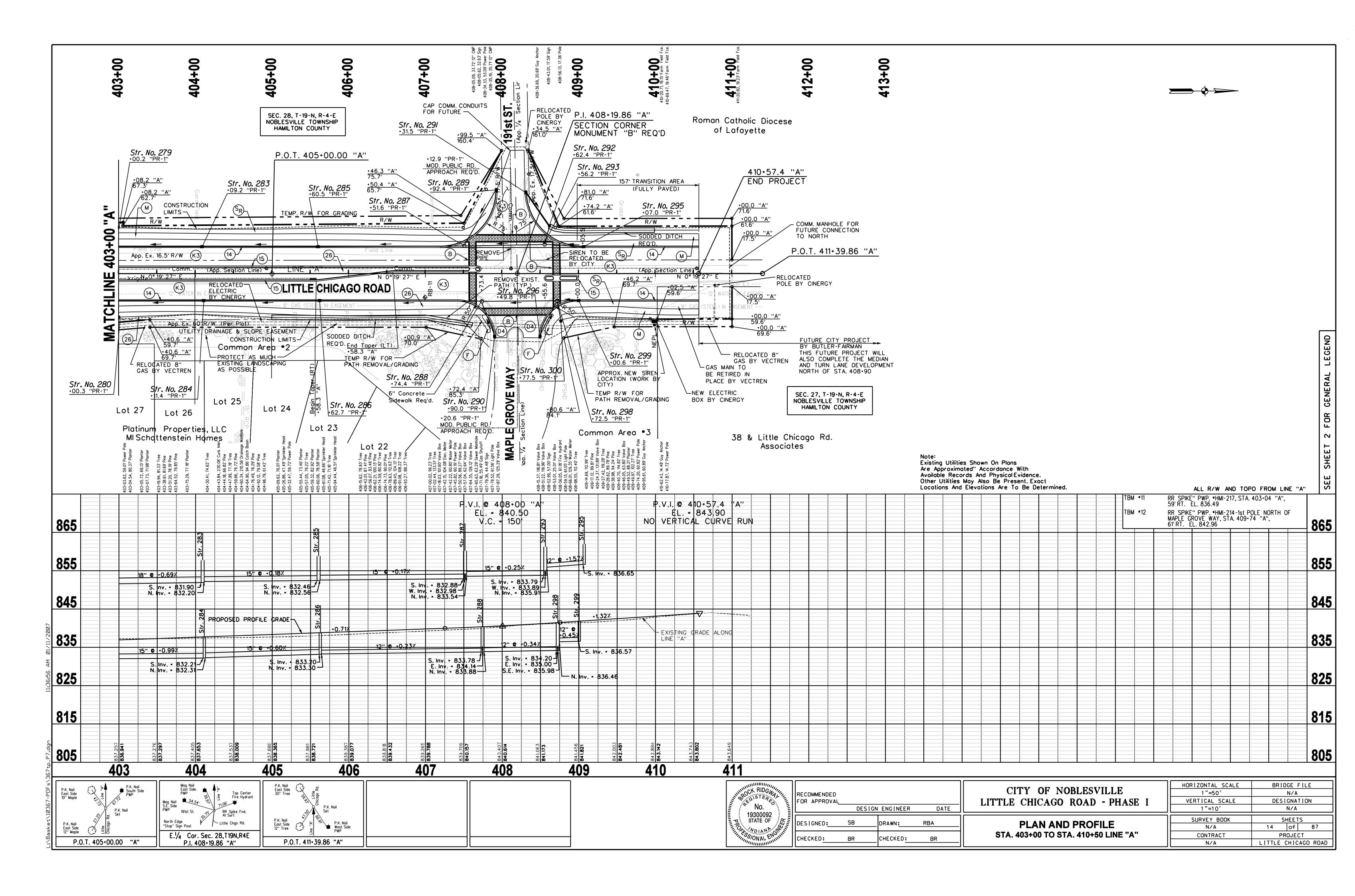






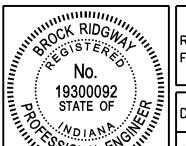






-			-			•		1		JTC					1	<u> </u>	1 . '	· ~ '			1	1	T
STRUCTURE NUMBER	LOCATION	LEFT Z	CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LEN			DOWN STREA		SITE DESIGNATION		BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL	REVETMENT RIPRAP	GEOTEXTILES	ST.	PIPE END SECTION	GRATED BOX END SECTION	SAFETY METAL END SECTION		REMARKS
101a	334+05.7	x	++	in 12	CL. V RCP	Inlet J-10	ft 9.1	1	ft ELE 7 821.			N	7	1	cyd 3.8	ton	sys	cyd	ŁA.	TYPE SLOPE E	ABLOPEEA	101b	
1016 101b	334+05.7	$\frac{\hat{x}}{x}$	$\dagger\dagger$	24	CL. III RCP	Manhole C-4	108.1	2	.3 821.				7	1	68.6							103t	
102a	334+57.3	>		12	CL. V RCP	Inlet J-10 Mod.	3.5	_	.8 822				7	1	1.5							102t	
102ь	334+57.3	<u> </u>	44	24	CL. III RCP	Manhole C-4	129.5		.0 821.				7	1	94.7							104t	
103a	335+15.7 335+15.7	X 	++	12 30	CL. V RCP	Inlet J-10 Manhole J-4	9.2 137.3	-	.0 822 .8 821.				7	1 1	3.6 100.0							103t)
103b 104a	335+93.7	^ ,	+	12	CL. V RCP	Inlet J-10	3.9		.8 821.			_	7	1	1.7							104	<u> </u>
104b	335+93.7	1	$\overline{}$	24	CL. III RCP	Manhole C-4	63.0	_	.4 821				7	1	43.5							112	
105	336+51.8	Х	П	15	CL. V RCP	C. B. Pipe, 24"	26.6	1	.1 821.			N	7	1	7.8							107	
107		X .	$\frac{1}{\cdot}$	36	CL. V RCP	Manhole J-4	72.8		7 820				7	1	64.3							112	
108	337+30.2 338+19.2	\\\	+	15 12	CL. III RCP PVC SDR-35	Inlet J-10 Catch Basin E-7	63.4 42.2	-	.4 821. .3 821.				7	1 1	39.3 12.7	1						112 110	ASTM D3034 SDR-
109 110	337+88.6	$\frac{1}{x}$	++	27	CL. III RCP	Manhole J-10	136.2	2					7	1 1	113.1							107	ASTM USUS4 SUR-
112	336+61.6	7	1	36	CL. V RCP	Manhole J-4	27.2		.0 820				7	1	26.3	5	15		1			-	OUTLET TO SWAL
114	338+66.6	>		15	CL. III RCP	Inlet J-10	131.0	_	.3 821.				7	1	79.4							108	
115	339+25.0	<u> </u>	,	18	CL. III RCP	Manhole C-4	132.8	_	.3 821.				7	1	90.5	-						110	
116 117	340+03.1 340+61.4	x >		12 18	CL. III RCP	Inlet J-10 Inlet J-10	133.5 133.4		.4 822 .5 822				7	1	73.9 96.9							114 115	
118	341+39.5	^ ,	+	12	CL. III RCP	Inlet J-10	133.4		.4 823				7	1	72.9					+++	+ +	116	
119	341+97.9	X	廿	15	CL. III RCP	Inlet J-10	133.5	3	.8 822	74 822.4	15 50	N	7	1	96.0							117	
120	342+79.5	>	41	12	CL. III RCP		137.0			50 823.8			7	1	72.7							118	
121	343+78.5 344+46.4	<u> </u>	+	15 12	CL. III RCP	Inlet J-10	177.6			41 822.8 46 824.6			7	1	139.1 85.0		\vdash				+ +	119 120	
122 123	344+46.4	x >	+	15	CL. III RCP	Inlet J-10 Inlet J-10	163.9 64.9			70 823.			7	1	52.4					+++	+	120	
126	345+69.0	x	 	15	CL. III RCP	Manhole C-7	122.1			31 823.9			7	1	99.4						1	123	
127	346+26.9	x	\coprod	15	CL. III RCP	Manhole C-7	55.0	3	.0 824	60 824.	41 50	N	7	1	38.0							126	
128	347+71.4	> >	41	12	CL. III RCP	Inlet J-10	179.5			60 823.			7	1 1	106.1							132	
129	347+71.4 378+67.8	X	++	12 12	CL. III RCP	Inlet J-10 Inlet J-10	93.4 192.5			59 823.9 80 822.4			7	1 1	55.4 118.1	1				+++	+	131 133	
131 132	349+53.9	* ,	+	12	CL. III RCP	Inlet J-10	145.8			25 822.2			7	1	86.2		\vdash				+ +	134	
133	350+63.3	<u>x</u> '		12	CL. III RCP	Inlet J-10	84.3	4	.0 822	36 821.7	'5 50	N	7	1	52.8							137	
134	351+02.7	>	口	15	CL. III RCP	Inlet J-10	145.7			14 820.9	98 50	N	7	1	98.2							138	
135	351+50.9	X	\prod	12	CL. III RCP	·	23.9		.8 822		50		7	1	15.3							137	
136	352+12.0 351+50.6	$\frac{x}{x}$	++	15 15	CL. III RCP	Inlet J-10 Manhole C-4	145.8 57.9		.9 821. .8 821.		32 50 22 50		7	1	100.8 39.5	1						139 136	
137 138	352+51.4	^ ,	+	15	CL. III RCP	Inlet J-10	84.3			88 820.	30 50	N	7	1	59.2						+ +	140	
139	353+60.8	X		15	CL. III RCP	Inlet J-10	97.0		.9 820	22 819.6	6 50	N	7	1	66.4							143	
140	353+38.7	<u> </u>	4	15	CL. III RCP	Inlet J-10	80.0		.1 820	20 819.5	6 50	N	7	1	58.0							142	
141	354+00.0	<u> </u>	$\frac{1}{\cdot}$	12	CL. III RCP	•	62.4		.9 820	50 820.0	00 50	N N	7	1	47.0							143	
142 143	354+21.7 354+60.8	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4	15 15	CL. III RCP	Inlet J-10 Inlet J-10	64.5 42.9		.9 819. .8 819.	56 819.2	7 50 5 50	N	7	1 1	46.1 29.2						+ +	145	
144	354+89.6	^ ,	+	18	CL. III RCP	Manhole C-15	71.1		.0 819.	17 818.9	3 50	N	7	1	57.4	 						146	
145		X		18	CL. III RCP		36.3		.9 819.	25 819.1	4 50	N	7	1	28.1							147	
146	355+64.1	<u> </u>	$\langle $	18	CL. III RCP		117.0		.5 818.	83 818.3	50 50	N	7	1	111.6							152	
147	355+46.8 355+96.8	X	++	18 18	CL. III RCP	Manhole C-10 Manhole C-10	47.1 118.9		.2 819. .6 818.	04 818.9 80 818.3	90 <u>50</u> 26 <u>50</u>	N	7	1	39.5 105.4	<u> </u>						149 151	
149 150	356+99.2	$\frac{x}{y}$	++	12	CL. III RCP	C. B. Pipe, 24"	28.6		.3 819.	00 818.8	88 50	N	7	1 1	26.9							151	
151		$\frac{\hat{x}}{x}$	$\dagger \dagger$	18	CL. III RCP	Manhole C-4	75.5		.4 818	16 817.7	² 9 50	N	7	1	81.2							157	
152	356+84.1	>		18	CL. III RCP		262.4		.7 818.	20 816.8	34 50	N	7	1	310.4							158	
153	357+50.7	X	+	12	CL. V RCP	Inlet J-10	21.2	_	0 824		17 50		7	1	5.1							154	
154 155		X X	++	12 15	CL. V RCP	Manhole C-10 Manhole C-4	16.5		.1 824. .7 821.	07 823. ¹ 48 821. ²	98 50 27 50		7	1 1	4.2 7.3						+ +	155 Ex.	
155 156		$\frac{x}{x}$	++	12	CL. III RCP	Inlet J-10	5.1		.1 817.6				7	1	5.1					++	+ +	157	
157	357+97.4	x		18	CL. III RCP	Manhole C-4	222.5	6	.2 817.5	4 816.4	3 50		7	1	262.2							161	
158	359+49.5	>	\Box	18	CL. III RCP		55.2		.6 816.7		4 50	N	7	1	70.3							160	
159	360+24.9 360+07.7	X	+	12	CL. III RCP	C. B. Pipe, 24"	17.6		.1 819.5			_	7	1 1	11.6 181.0						+ +	161	
160 161	360+07.7	<u> </u>	4+	18 21	CL. III RCP	Manhole C-10 Manhole C-10	179.7 247.6		.0 816.2 .0 816.3				7 7	1 1	266.5					++	+ +	163	
162	361+90.4	^ ,	+	18	CL. III RCP	Manhole C-10	72.9		.1 815				7	1	66.2						+ +	166	
163	362+72.2	Х	廿	21	CL. III RCP	Manhole C-10	4.1	5	.3 813.	0 812.9	9 50		7	1	4.6							166	
164	363+25.3	<u> </u>	41	21	CL. III RCP	Manhole C-10	59.1		.9 813.2		7 50	N	7	1	61.8							166	
65a 65h	362+67.0	X 	++	18	CL. III RCP	Pipe Extension	10.0		.8 811.7		_	_	7	1 1	9.2 11.7	-	\vdash					165b	
65b 166	362+73.9 362+77.5	X	 	18 16' × 6'	CL. III RCP PRECAST	Manhole C-4 Box Culvert	14.0		.1 811.4 .1 810				7	1 1	319.1	16 2	55.0				+ +	-	PEBBLEBROOK DR
167		${x}$	†^†	36	CL. III RCP	Manhole J-10	50.6		.2 812.0				7	1	83.5	10.0	33.0				+ +	166	. LUBELDROOK DR
68a	363+71.0)	_	21	CL. III RCP	Manhole C-10	42.7	4	.7 813.	9 813.3	2 50	N	7	1	43.7							164	
68b	364+00.0	<u> </u>	41	24	3	Pipe	44.0		.3 813.9				7	2	6.8				2			16.7	
169 170	364+75.6 365+46.9	<u> </u>	+	36 21	CL. III RCP	Manhole J-10 Manhole C-10	131.0 174.4		.7 812.1 .5 813.1		.	_	7	1 1	197.8 151.8					+++	+ +	167 1680	1
170 171	366+10.5	<u> </u>	++	36	CL. III RCP	Manhole U-10	130.8		.8 812.8				7	1 1	167.0	+				++	+ +	169	
172	366+82.3	<u>^</u>	 	18	CL. III RCP	C. B. Pipe, 24"	30.3	_	.0 814.2				7	1 1	12.8						<u> </u>	174	
73a	366+69.5	x	\prod	15	CL. III RCP	Inlet J-10	3.7	2	.5 814.6	814.4	6 50	N	7	1	1.8							173t	
73b	366+69.5	x -	\prod	30	CL. III RCP		55.4		.3 813.6		_ + ~~	_	7	1	48.1	<u> </u>				\perp		171	
174	366+81.8 367+19.5	<u> </u>		18	CL. III RCP		133.1		.8 814.0 .8 814.		. "		7 -	1 .	86.1 18.2	-	 				+ +	170 174	
176 177	367+19.5	<u> </u>	++	15 15	CL. III RCP CL. V RCP	C. B. Pipe, 24"	17.1		.6 814.				7 7	1 1	7.1	+				+++	+ +	179t	
177 179a	367+19.5	$\frac{1}{x}$	++	12	CL. V RCP CL. III RCP	Manhole C-15	5.1		.2 815.0		_ 	_	7	1	1.9	+					+ +	1796	
179b	367+19.9	X		30	CL. W RCP	Manhole J-4	46.1	1,	.7 813.9	3 813.7	0 50		7	1	34.2							173t	
180	367+80.4	>	П	12	CL. III RCP	Inlet J-10	57.5	2	.9 814.	814.3	3 50	N	7	1	27.0							176	
181a	367+58.0	x	+	12	CL. III RCP	Inlet J-10	5.3		5 814		_ +		7	1	1.9							181b	
82a	367+58.0 368+47.4	X >	+	30 12	CL. V RCP	Manhole J-4 Inlet J-10	33.1 5.6	1.	5 814.	21 814.0 07 815.9		N	7	1 1	22.0	1	\vdash				+ +	1826	
82b	368+47.4	\rac{\rac{\rac{\rac{\rac{\rac{\rac{	++	12	CL. III RCP		63.4	2	.9 814.9	0 814.7	1 50	IN	7	1	37.9	+						180	
U /		17	vi l	٠-	UL. III KUP		5.3			8 817.3	1 30	1 11	. /	1 1	1.4	1						,	

STRUCTURE DATA																									
NUMBER	LOCATIO	RICHT Z		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW)	UP STREAM		SERVICE	SITE	Hd	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL	REVETMENT RIPRAP	GEOTEXTILES	CL, ST	PIPE END SECTION		RATED IX END ICTION		SAFETY METAL END SECTION	CONNECT TO STR.	REMARKS
33b	369+03.0	x	in 30	CL. V RCP	Manhole J-4	ft 143.6	;	ft 1.2	ELEV. 815.41	ELEV. 814.56	50	N	7	1	cyd 87.4	ton	sys	cyd	EA.	I TPE	SLUPE	LAS	SLOPEEA	181b	
84	370+54.7	X	12	CL. V RCP	C. B. Pipe, 24"	14.1		0.7	818.55	818.52	50	N	7	1	4.0									185b	
35a 35b	370+58.0 370+58.0	X	12	CL. V RCP	Inlet J-10 Mod. Manhole J-4	4.8 150.8	+	1.2 0.3	819.37 818.47	819.33 816.76	50 50	N N	7	1	1.3 61.4									185b 183b	
36a	370+82.6	X	12	CL. V RCP	Inlet J-10 Mod.	8.3		1.3	819.66	819.62	50	N	7	1	2.1									186b	
86b	370+82.6 372+15.0	X	12 12	CL. III RCP	Manhole C-4 Inlet J-10	228.9 4.8		2.1	819.52 820.00	818.38 819.94	50 50	N N	7	1	92.9 1.8									182b 189b	
89a 89b	372+15.0	X	27	CL. V RCP	Manhole J-4	152.8	-	0.6	819.45	818.86	50	N	7	1	69.2									185b	
190	373+42.5	X	27	CL. V RCP	Manhole J-4	123.9		1.2	819.84	819.47	50	N	7	1	65.4									189b	
191 192	373+56.8 373+49.3	X	18 x 27	CL. V RCP	C. B. Pipe, 24" Manhole J-4	23.2 68.6	+	1.6 1.3	820.50 820.07	820.45 819.97	50 50	N N	7	1	9.4 37.0									192 190	
193	374+70.0	х	18	CL. V RCP	Manhole C-15	31		1.8	820.27	820.17	50	N	7	1	4.5									196b	
95a 95b	373+89.0 373+89.0	X	12	CL. V RCP	Inlet J-10 Manhole C-4	3.0 41.3	$\frac{1}{1}$	1.5 1.5	820.87 819.92	820.80 819.85	50 50	N N	7	1	1.2 20.8									195b 190	
956 96a	374+36.5	x	15	CL. V RCP	Pipe Extension	8.0		1.2	822.45	822.40		N	7	1	3.5									196b	
96b	374+36.5 375+29.5	X	21 12	CL. V RCP	Manhole C-4 C.B. Pipe, 24''	16	$\vdash \vdash$	1.3	820.07 820.90	819.97 820.65	50	N	7	1	24.3									195b	
199	373+29.5	X	12	CL. V RCP	C.B. Fipe, 2+	1 16	\vdash	1.6	820.90	820.65	50	N	7	1	3.4									204b	
04a	375+29.5	х	12	CL. V RCP	Inlet J-10	5		1.6	820.72	820.67	_	N	7	1	1.6									204b	
04b 06a	375+29.5 374+20.0	X	18	CL. V RCP	Manhole C-4 Inlet J-10	56 5.9	\vdash	1.4	820.57 820.58		50 50	N N	7	1	10.9 1.8									193 206b	
06b	374+20.0	x	18	CL. V RCP	Manhole C-4	67.7		1.9	820.28	820.17	50	N	7	1	33.1									192	
07a	374+70.0	X	12	CL. V RCP	Manhole C-15	7.4			820.92			N	7	1	2.4							\blacksquare		207b	
<u>07ь</u> 208	374+70.0 375+35.5	X	18 12	CL. V RCP CL. III RCP	Manhole C-4 Manhole C-7	46.1 44.7	+	1.8 3.0	820.47 820.90	820.38		N N	7	1 1	19.9 23.7									206ь 209ь	
09a	375+17.5	Х	12	CL. V RCP	Inlet J-10 Mod.	9.0		1.0	821.07	820.98	50	N	7	1	2.2									209ь	
09b	375+17.5	X	12 12	CL. III RCP	Manhole C-4 Inlet J-10	43.4		1.3	820.65 822.36	820.54		N	7	1	18.0 1.8									207ь 210ь	
10a 10b	376+17.5 376+17.5	X	12	CL. V RCP	Manhole C-4	51.8	$\forall t$	1.7	822.03			N N	7	1	19.3									208	
13a	376+17.2	х	12	CL. V RCP	Inlet J-10 Mod.	4.8		1.3		822.30	50	N	7	1	1.4									213b	
13b 214	376+17.2 377+75.2	X	12	CL. V RCP	Manhole C-4 Manhole C-7	83.8 156.3	+	1.6 0.6	822.20 824.94	821.96		N N	7	1	27.6 52.8									204b 213b	
215	377+70.7	x	12	CL. V RCP	Inlet J-10 Mod.	19.2		1.3		825.04		N	7	1	6.2									214	
16a	379+19.7	Х	12	CL. V RCP	Inlet J-10 Mod.	3.2		1.3		827.66		N	7	1	0.9									216b	
16b 17a	379+19.7 379+20.7	X	12	CL. V RCP	Manhole C-4 Inlet J-10 Mod.	298.5 4.7		1.8		822.13 827.77		N N	7	1	110.6 1.5									210ь 217ь	
17b	379+20.7	X	12	CL. III RCP	Manhole C-4	143.5		2.2	827.67	825.13	50	N	7	1	54.5									214	
218	381+88.0	X	12	CL. III RCP	Inlet J-10	32.0	-		826.74			N	7	1	19.2 60.5									220 220	
219 220	381+32.1 382+51.2	 	12 (6' x 4'	PRECAST	Inlet J-10 Box Culvert	120.0		2.8 1.2	827.05 824.60	826.14 824.43		N N	7	1	154.3	6.9	28.0							220	
221	382+80.0	>	< 15	CL. III RCP	Manhole C-4	117.7		3.7	823.36	823.15	50	N	7	1	60.0									222	
	382+80.0 383+31.6	>	15 12	CL. III RCP	Manhole C-4 Inlet J-10	0.0 4.3	$\vdash \vdash$	3.4 1.8	823.15 827.08	823.15 826.80		N N	7	1	0.0 1.5									Exist. 223b	Connect d/s to Exi
	383+31.6	$\frac{1}{x}$	30	CL. V RCP	Manhole J-10	75.6	H	2.0	825.31				7	1	59.2							Bliss			gulated Drain
	383+75.6	X	12	CL. V RCP	Inlet J-10	3.2			826.86			N	7	1	1.2									224b	
	383+75.6 384+66.5	X X	27 12	CL. III RCP	Manhole J-10 Inlet J-10	119.5 3.4	\vdash	1.8	825.21 826.41	825.12 826.36		N N	7	1	92.8							Bliss		n Rec 227b	julated Drain
	384+66.5	X	30	CL. V RCP	Manhole J-10	130.8		1.6	825.41	825.31	50	N	7	1	96.3									223b	
	385+10.5	X	12	CL. V RCP	Inlet J-10	3.6 131.0	\sqcup	1.8	826.19	826.11		N	7	1	1.3 93.5									228b	
	385+10.5 386+01.4	X	12	CL. V RCP	Manhole J-10 Inlet J-10	4.0	+		825.32 825.73			N N	7	1	1.7									224b 229b	
	386+01.4	X	30	CL. V RCP	Manhole J-10	131.0		1.6	825.50	825.41	50	+	7	1	94.1									227b	
	386+45.4 386+45.4	X	12 24	CL. V RCP	Inlet J-10 Manhole C-10	6.2	$\frac{1}{1}$		825.52 825.43			N N	7	1	2.5 76.2									230b 228b	
	386+51.4	x ^	12	CL. V RCP	Inlet J-10 Mod.	7.7			825.78			N	7	1	3.3									231b	
	386+51.4	X	30	CL. V RCP	Manhole J-10	46.2			825.53			N	7	1	35.1 3.0									229b	
	386+94.6 386+94.6	X X	12 24	CL. V RCP	Inlet B-15 Mod. Manhole C-10	7.6 45.5	\vdash		825.54 825.47			N N	7	1	24.7									232b 230b	
33a	386+96.6	х	12	CL. V RCP	Inlet B-15 Mod.	8.3		1,4	825.75	825.56	50	N	7	1	3.5									233b	
	386+96.6 387+28.6	X	30	CL. V RCP	Manhole J-10 Inlet J-10 Mod.	38.9 10.7	\vdash		825.56 825.77			N N	7	1	29.5 4.6									231b 235b	
	387+28.6	x	12 30	CL. V RCP	Manhole J-10	30.3	\forall		825.60			N	7	1	22.6									233b	
	387+78.0	X	12	CL. V RCP	Inlet J-10	36.6			826.05			N	7	1	15.6									242	
	388+05.3 388+15.9	X	12 30	CL. V RCP	Inlet J-10 Manhole J-10	22.5 85.4			826.22 825.69			N N	7	1	9.2 65.7									239 235b	
	388+81.0	X	30	CL. III RCP	Manhole J-10	63.7		2.0	825.74	825.69	50	N	7	1	52.8									239	
	388+09.2	X	24	CL. III RCP	Manhole C-10	113.0	$\vdash \vdash$		825.58 828.21				7	1	69.6 3.1									232b 241	
-	388+94.3 388+88.7	^ x	12 12	CL. V RCP	C. B. Pipe, 24" C. B. Pipe, 24"	10.9	+		827.99			N N	7	1	3.0									241	
246	388+75.6	X	24	CL. III RCP	Manhole C-10	64.2	\Box	2.5	825.63	825.58	50	N	7	1	45.4									242	
	389+28.0 389+28.0	X	12 30	CL. V RCP	Inlet J-10 Manhole J-10	6.1 48.3	++		826.46 825.88			N N	7	1 1	2.3 35.7									247b 241	
	389+27.0	X	12	CL. V RCP	Inlet J-10	6.2		1.8	826.50	826.37	50	N	7	1	2.4									248b	
	389+27.0	X	24	CL. III RCP	Manhole C-10	51.2			825.68			N	7	1	34.6									246	
	390+24.7 390+25.5	X	12 24	CL. V RCP	Inlet J-10 Manhole C-10	91.0	$\vdash \vdash$	1.8	827.13 825.77			N N	7	1	1.9 68.6							\dashv		250b 248b	
:51a	390+51.1	X	12	CL. V RCP	Inlet J-10	6.8		1.8	827.16	827.12	50	N	7	1	3.1									251b	
51b	390+51.1	X	30	CL. III RCP	Manhole J-10	121.8			826.07			N	7	1	98.5 110.9							\Box		247b	
	391+66.3 391+92.7	X	30	CL. III RCP	Manhole C-10 Manhole J-10	135.5 139.9	+ +	2.8	825.91 826.29			N N	7	1	125.9									250b 251b	
255	393+24.9	X	12	CL. III RCP	C. B. Pipe, 24"	21.6		2.7	830.70	827.93	50	N	7	1	10.3									257	
	393+24.9	X	12	CL. V RCP	C. B. Pipe, 24" Manhole J-10	26.2 136.6		1.0	832.10 826.59	827.97	50 50		7	1	9.4 118.0									258 253	
		X	30	CL. III RCP	Mannale !-!!!					1 1 1 2 1 1 1 1 1		1 12.									_				



RECOMMENDED FOR APPROVAL	DES I GN	I ENGINEER	DATE
DESIGNED:	SB	DRAWN:	SB
CHECKED:	BR	CHECKED:	BR

CITY OF NOBLESVILLE LITTLE CHICAGO ROAD - PHASE	Ι					
STRUCTURE DATA						

HORIZONTAL SCALE N/A VERTICAL SCALE DESIGNATION N/A SURVEY BOOK SHEETS N/A CONTRACT PROJECT N/A LITTLE CHICAGO ROAD									
VERTICAL SCALE N/A SURVEY BOOK N/A SHEETS N/A CONTRACT PROJECT		HORIZONTAL SCALE	BRID	GE F	ILE				
N/A N/A SURVEY BOOK SHEETS N/A 38 of 87 CONTRACT PROJECT		N/A	N/A						
SURVEY BOOK SHEETS N/A 38 of 87 CONTRACT PROJECT		VERTICAL SCALE	DESIGNATION						
N/A 38 of 87 CONTRACT PROJECT		N/A	N/A						
N/A 38 of 87 CONTRACT PROJECT	=					_			
CONTRACT PROJECT		SURVEY BOOK	SHEETS						
		N/A	38	of	87				
N/A LITTLE CHICAGO ROAD		CONTRACT	PR	OJEC	T				
		N/A	LITTLE CHICAGO ROAD						
	_					Ξ			

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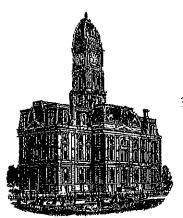
							ST	RUC'	TU	R	E	D	A	TA										
NUMBER	LOCATION	 - <u>-</u>	RIGHI	SIZE	: TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	8	W LINE DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	Hd	3ACKFILL METHOD	"B" BORROW FOR STR. BACKFILL	REVETMENT RIPRAP	GEOTEXTILES	CONCRETE CLASS A FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION	S	SAFETY METAL END ECTION	CONNECT TO STR.		REMARKS
Z			집	:	PIPE		ft	ft ELEV.	ELEV.		DE.		ш -		문 ton	sys	pka STI	F ^	TYPE SLOPE					
	394+75.9	X		in 27	CL. III RCP	Manhole J-10	136.6	2.8 827.15	826.69			7	1	cyd 119.5	ton	393	Суб	LA.	TIPE SLOPE	ABL	-OPEIE/	257		
	394+85.6 395+75.0		X X	24	CL. III RCP	Manhole C-10 C. B. Pipe, 24"	140.6 19.1	2.7 827.72 2.7 830.90	1	50 50		7	1	107.2 10.7	+	<u> </u>				+		258 262		
2	395+70.6		X	24	CL. III RCP	Manhole C-10	83.2	2.8 828.23	827.82	50	N	7	1	63.5								260		
	396+60.7 397+49.0	X	$\frac{1}{x}$	27 24	CL. III RCP	Manhole J-10 Manhole C-10	179.2 177.9	2.8 828.28 2.7 829.04				7	1	161.0 139.8	+					+		259 262		
7	397+49.0	X		27	CL. III RCP	Manhole J-10	84.1	3.0 828.45	828.38	50	N	7	1	80.8								263		
	398+16.0 398+15.2	X		18 27	CL. V RCP	C. B. Pipe, 24" Manhole J-10	63.5	1.0 829.70 3.1 828.78				7	1	16.0 63.4	+	1						269 267		
0	400+49.8		X	12	CL. V RCP	C. B. Pipe, 24"	23.6	1.0 833.50	830.53	50	N	7	1	8.4								272		
	400+51.3 400+51.3	X 	×	27 24	CL. III RCP	Manhole J-10 Manhole C-10	235.3 295.6	2.8 829.23 2.8 829.49		50 50		7	1	219.5 230.3	+	<u> </u>				+		269 266		
3	400+86.9	X		24	CL. III RCP CL. III RCP	Manhole C-15	32.6	2.9 829.36	829.33	50	N	7	1	25.5								271		
	400+86.9 401+36.9	X	×	21 24	CL. III RCP	Manhole C-15 Manhole C-10	31.7 49.3	2.8 829.63 2.8 829.57				7 7	1	22.3 37.2								272 273		
6	401+60.1	;	X	21	CL. III RCP	Manhole C-10	72.1	2.7 829.87		50 50		7	1	49.3						\perp		274		
	403+00.2 403+00.3		x	21 15	CL. V RCP	C. B. Pipe, 24" C. B. Pipe, 24"	48.0 42.7	1.0 832.75	831.13	50		7	1	27.5 17.4								281 282		
1	402+57.9 402+60.1	X	$\frac{1}{x}$	21	CL. III RCP	Manhole C-10 Manhole C-10	118.0 97.0	2.8 830.62 2.7 830.64		50 50		7	1	80.1 65.6	<u> </u>					\perp		275 276		
3	404+09.2	X		18	CL. III RCP	Manhole C-10	148.3	2.8 831.90	830.87	50	N	7	1	91.1						\perp		281		
	404+11.4 405+60.5	;	X	15 15	CL. III RCP	Inlet J-10 Inlet J-10	148.3 148.3	2.8 832.21 2.8 832.46				7	1	85.7 90.6	1					+		282 283		
6	405+62.7		X	15	CL. III RCP	Inlet J-10	148.3	2.7 833.20	832.31	50	N	7	1	80.9						\pm		284		
	407+51.6 407+74.4	X	×	15 12	CL. III RCP	Manhole C-10 Manhole C-10	187.6 208.2	3.5 832.88 3.0 833.78				7	1	140.1 124.5	+					+	+	285 286		
9	407+92.4	X		15	CL. III RCP	Inlet J-10	81.3	2.8 833.56	832.98	50	N	7	1	55.2						#		287		
	407+90.0 408+31.5	:	×	12 12	CL. III RCP	Inlet J-10 Inlet J-10	45.8 51.1	2.8 834.32 2.8 834.28				7	1	25.3 27.3						+	-	288 292		
2	408+62.4	X		12	CL. III RCP	Manhole C-7	21.9	3.6 833.94	833.89	50	N	7	1	15.3								293		
	408+56.2 409+07.0	X	+	15 12	CL. III RCP	Manhole C-10 Inlet J-10	100.8 47.4	3.9 833.79 2.8 836.65				7	1	79.7 22.9	+					+		287 293		
6	408+49.8		X	12	CL. V RCP	Inlet J-10	47.9	1.7 835.98	835.30	50	N	7	1	22.7								298		
	408+72.5 409+00.6		X X	12 12	CL. III RCP	Manhole C-10 Inlet J-10	94.4	4.0 834.20 2.5 836.57				7	1	68.4 11.3	+					+		288 298		
0	408+77.5] ;	X	12	CL. III RCP	C. B. Pipe, 24"	24.4	4.6 835.23				7	1	17.5								298	December of MU 2.71	HEEE EDECIAL DROVICIONE!
	345+04.1	X.				Existing Manhole									+					+		1	Reconstruct MH 2.3' Reconstruct MH 2.2'	"SEE SPECIAL PROVISIONS"
	348+01.0 349+86.6	 ,	x x			Existing Manhole Existing Manhole	+ +													+			Reset Casting to N.W. Reconstruct MH 1.7'	"SEE SPECIAL PROVISIONS" "SEE SPECIAL PROVISIONS"
4	351+40.2	>	×			Existing Manhole																	Reconstruct MH 2.6' Reset Casting to E.	"SEE SPECIAL PROVISIONS"
	354+61.7	 	X			Existing Manhole									+					+			Reconstruct MH 1.8' Reconstruct MH 2.0	"SEE SPECIAL PROVISIONS" "SEE SPECIAL PROVISIONS"
	354+78.7		<u>* </u>			Existing Manhole Existing Manhole														\perp		-	Reset Casting to W.	
-	361+39.0 364+57.6	x				Existing Manhole																	Do Not Disturb Do Not Disturb	"SEE SPECIAL PROVISIONS" "SEE SPECIAL PROVISIONS"
	364+11.0		X			Existing Manhole Existing Pipe																	Reconstruct MH 4.8' Do Not Disturb	"SEE SPECIAL PROVISIONS"
	369+28.3	$\frac{1}{1}$				Existing Tipe																	Bo Not Bistaib	
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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

Map Correction-Field Verification

Drain Number: 330

Drain Length: 2018.2

Drain Name: Pebble Brook: Little Chicago Rd

2007 Rd Improvements

Change +/-:-83

Date: 12-30-2016

New Length: 1935.2

Verified By: SLM

Notes & Sketch:

The footage between structures 196A and 196B should have remained with Pebble Brook Sec. 2 Drain. Also, the extension footage of the 12" CMP between existing structures 128 to new structure 183.

Suzanne L. Mills **GIS Specialist**