PROJECT	DESIGNATION
1401280	1401280
CONTRACT	ROAD PLANS
R-37909	-

INDIANA DEPARTMENT OF TRANSPORTATION

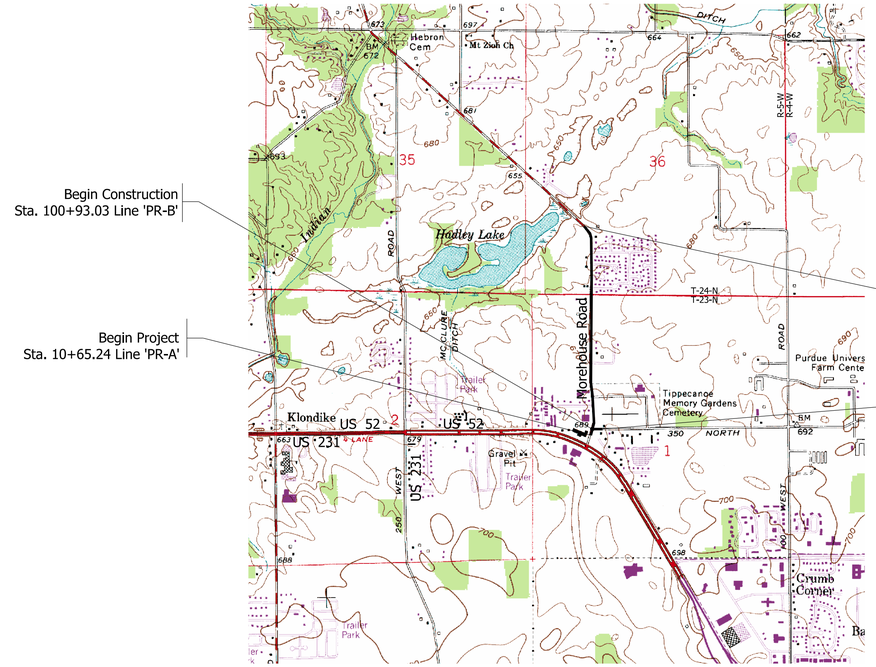
PFC PLANS
REVISED
JANUARY, 2020

RIGHT OF WAY PLANS

ROUTE: MOREHOUSE ROAD

PROJECT NO. 1401280 P.E.
1401280 R/W (X)
1401280 CN

Road Reconstuction Along Morehouse Road From .1 Miles South of CR350N to Morehouse Court
Section 1 and 36 , T-23-N and T-24-N, R-5-W, Wabash Township,Tippecanoe County, Indiana



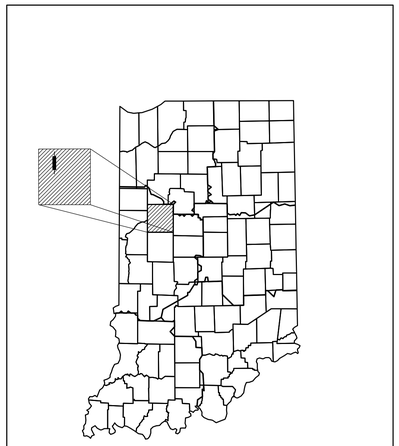
SCALE: 1" = 1,500'

TRAFFIC DATA

		Morehouse Road	CR 350 N
A.A.D.T.	(2023)	6,680 V.P.D.	6,515 V.P.D.
A.A.D.T.	(2043)	8,152 V.P.D.	7,947 V.P.D.
D.H.V	(2043)	815 V.P.H.	795 V.P.H.
DIRECTIONAL DISTRIBUTION		50%	50%
TRUCKS		3% A.A.D.T.	3% A.A.D.T.
		10% D.H.V.	10% D.H.V.

DESIGN DATA

DESIGN SPEED	40 M.P.H.	40 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR	MAJOR COLLECTOR
RURAL/URBAN	URBAN	URBAN
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE



PROJECT LOCATION SHOWN BY
TIPPECANOE COUNTY

LATITUDE: 40°28'02"N LONGITUDE: 86°56'21"W

HUC: 05120108030020

ROADWAY LENGTH: 0.849 MI.
TOTAL LENGTH: 0.930 MI.
MAX. GRADE: 3.14 %

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:
DLZ INDIANA, LLC
157 EAST MARYLAND STREET
INDIANAPOLIS, INDIANA 46204
(317)633-4120

ROAD PLANS
-
DESIGNATION
1401280

SURVEY BOOK	SHEETS
ELECTRONIC	1 of 22
CONTRACT	PROJECT
R-37909	1401280

X:\Projects\GFL\2017\1763\121290\Civil\Full Civil\Dwg\1212CV01.dgn

UTILITIES

TELEPHONE
Frontier
2211 W. Washington St.
Fairmount, IN 46928
Chuck McKean
(219) 476-5109

TELEPHONE
Metronet
3701 Communications Way
Evansville, In. 47715
Kori Nellis
(812) 253-2196

SEWER AND WATER
American Suburban Utilities, Inc.
Oakwood Business Plaza
3350 W. 250 N.
West Lafayette, IN 47906
Tammy Grandstaff
(765) 463-3856

GAS
Centerpoint Energy
Steven Neal
(765) 449-5673

LIGHTS, SEWER, STORM WATER
City of West Lafayette
500 South River Road
West Lafayette, IN 47906
Victor Van Allen
(765) 775-5145

CABLE
Comcast
1002 E Center Road,
Kokomo, IN, 46902
Buddy Cabiness
Buddy_Cabiness@comcast.com

ELECTRIC
Duke Energy
1619 W Deffenbaugh Street
Kokomo, IN, 46902
Christina Girod
(317) 896-6726

ELECTRIC
Tipmont REMC
Glen Logan
(765) 401-6147

WATER
IN American Water
153 N. Emerson Avenue
Greenwood, IN 46902
Jacquelyne Byland
(317) 807-2462

COMMUNICATIONS
Smithville Telephone
Joe Bryniarski
(812) 935-2262

INDEX

SHEET NO.	SUBJECT
1	TITLE
2	INDEX
3-6	LOCATION CONTROL ROUTE SURVEY PLAT
7-8	TYPICAL SECTIONS
9	ROUNDABOUT LAYOUT AND GEOMETRICS
10	PLAT NO. 1
11-21	PLAN AND PROFILE
22	APPROACH TABLE

REVISIONS

SHEET NO.	DATE	REVISED

X:\Projects\GFL\2017\1763\1212290\Civil\Full Civil\Dwg\1212501.dgn

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 | DRAWN: DPH 02/2020

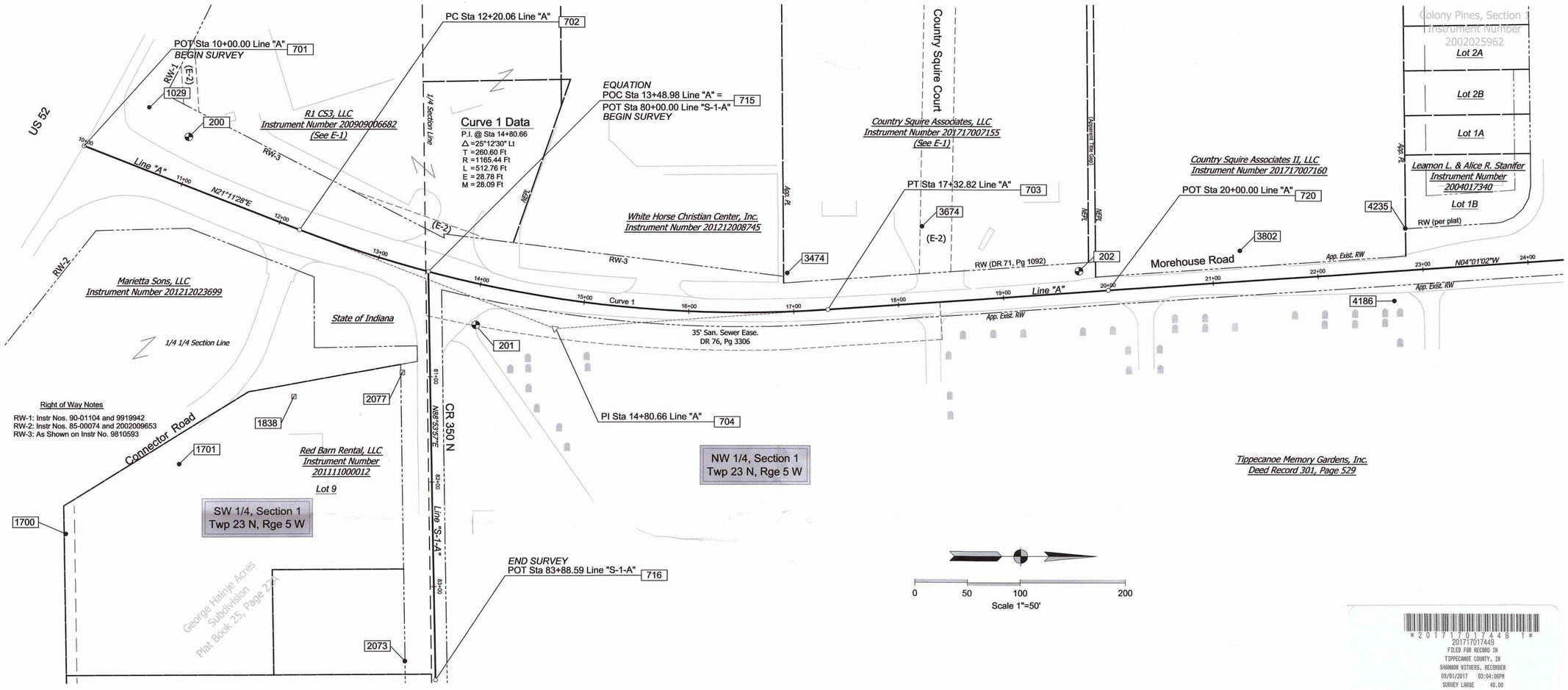
CHECKED: DSB 02/2020 | CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX

SCALE	ROAD PROJECT
NONE	--
	DESIGNATION
	1401280

SURVEY BOOK	SHEETS
ELECTRONIC	2 of 22
CONTRACT	PROJECT
R-37909	1401280



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- EASEMENT LINE
- APPARENT EXISTING RIGHT OF WAY
- 000 = SURVEY POINT NUMBER
- (000)= SECTION CORNER NUMBER
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- NRA = NO REFERENCES AVAILABLE
- NORA = NO OTHER REFERENCES AVAILABLE
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- NMF = NO MONUMENT FOUND
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- O.U. = ORIGIN UNKNOWN
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- = ALIGNMENT POINT
- = ILLINOIS SURVEY GRANT CORNER
- = RANDOM SURVEY CONTROL MARKER
- = FOUND SURVEY / TITLE MONUMENT
- = FOUND R/W MARKER
- = CEMETERY MARKER

Utility Information

TELEPHONE
Verizon
8001 W. Jefferson Blvd
South Bend, IN 46804
(260) 461-22588 phone
(260) 436-6182 fax

WATER
Indiana American Water
1007 Happy Hollow Rd
West Lafayette, IN 47906
(800) 492-8373 phone

GAS
Vectren
2345 E. Main Street
Danville, IN 46122
(317) 718-3639 phone

ELECTRIC
Duke Energy
1619 Defenbaugh Street
Kokomo, IN 46902
(812) 375-5828 phone

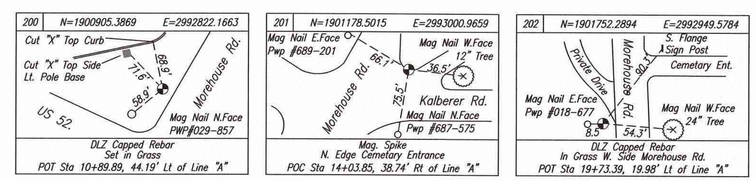
CABLE
Insight Communications
325 Creasy Lane
Lafayette, IN 47905
(800) 342-5533 phone

SEWER
City of West Lafayette
500 S. River Road
West Lafayette, IN 47906
(765) 775-5145 phone

Easement Notes

E-1: Sanitary Sewer Easement Recorded as Instrument Number 9619559
E-2: Utility Easement Recorded as Instrument Number 2002040547

Point	Station	Offset	Northing	Easting	Remarks
	Line "A"				
701	10+00.00	0.00	1900805.5992	2992830.8695	NMS
702	12+20.06	0.00	1901010.7787	2992910.4164	NMS
703	17+32.82	0.00	1901513.7099	2992986.3596	NMS
704	14+76.44	28.78 R	1901253.7537	2993004.6164	NMS
715	13+48.98	0.00	1901133.3124	2992950.2820	NMS
720	20+00.00	0.00 R	1901780.2353	2992967.6414	NMS
1029	10+44.53	56.82 L	1900867.6543	2992793.9922	7/8" Rebar Found Flush (O.U.)
3474	16+95.31	36.83 L	1901474.8590	2992951.5824	1" IPF 3" B/S (O.U.)
3674	18+27.44	73.09 L	1901602.9777	2992906.8174	Mag Nail w/ T-Bird Washer Found
3802	21+27.52	29.26 Lt	1901905.3948	2992929.5179	3/4" I Pin Flush
4186	22+71.07	28.14 R	1902052.6136	2992976.7252	5/8" Rebar w/ T-Bird Cap Found Flush
4235	22+85.93	39.98 L	1902062.6583	2992907.7289	5/8" Rebar w/ Lauer Cap Found Flush
	Line "S-1-A"				
508	80+71.65	2.78 R	1901131.9141	2993021.9685	NMF at Section Corner (NMS)
715	80+00.00	0.00	1901133.3124	2992950.2820	NMS
716	83+88.59	0.00	1901140.7778	2993338.8008	NMS
1700	82+42.59	348.95 R	1900789.0883	2993199.5351	1" I. Pin Found 2" B/S (O.U.)
1701	81+78.09	239.94 R	1900896.8357	2993132.9489	1" I. Pin Found 7" A/S (O.U.)
1838	81+15.94	129.79 R	1901005.7714	2993068.6986	R/W Marker
2073	83+70.13	28.85 R	1901111.5761	2993320.8939	5/8" Rebar w/ Fisher Cap Found Flush
2077	80+95.34	26.31 R	1901108.8340	2993046.1133	R/W Marker



The Within Plat of Survey was prepared for the Commissioners of Tippecanoe County, Indiana by Alan B. Cleveland

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.

Alan B. Cleveland

Alan B. Cleveland

2017170174491
2017170174491
FILED FOR RECORD IN
TIPPECANOE COUNTY, IN
SHANNON WITHERS, RECORDER
02/01/2017 03:04:08PM
SURVEY LARGE 40.00

Wabash Township
Tippecanoe County

DLZ
157 EAST MARYLAND STREET
INDIANAPOLIS, INDIANA 46204
(317) 633-4120
acleveland@dlz.com

LOCATION CONTROL ROUTE SURVEY PLAT

COUNTY: Tippecanoe | ROUTE: Morehouse Road

Location Control Route Survey
Prepared for the County Board of Commissioners of Tippecanoe County, Indiana

Survey Started: June 1, 2017 Survey Completed: August 24, 2017

DRAWN BY: CAD | CHKD BY: AS | DLZ Proj. No.: 1763-1212-90 | SHEET NO. 1 OF 4

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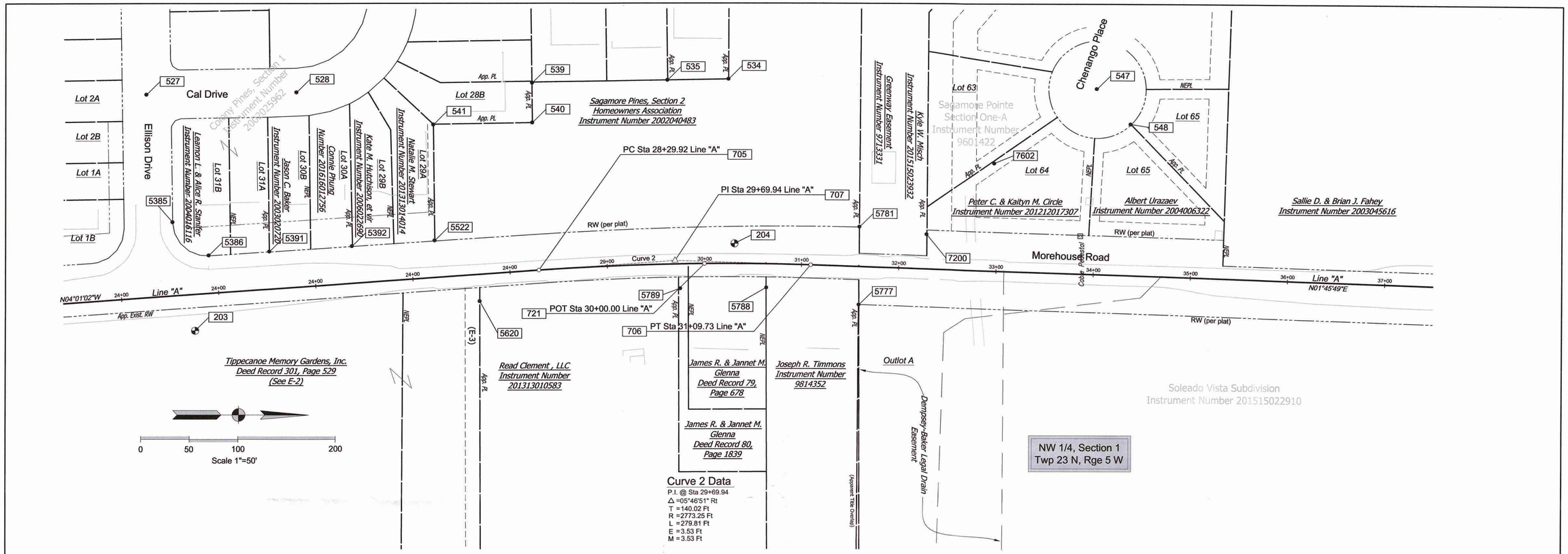

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- ● = FOUND SURVEY / TITLE MONUMENT
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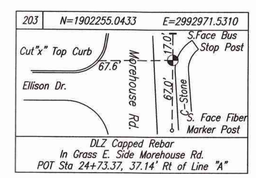
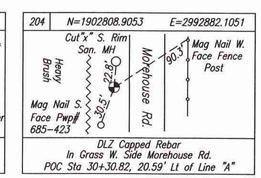
- = CEMETERY MARKER

Point	Station	Offset	Northing	Easting	Remarks
	Line "A"				
527	24+39.85	208.67 L	1902204.3815	2992728.6650	Mag Nail Found Flush (O.U.)
528	25+93.65	200.19 L	1902358.3978	2992726.3524	Mag Nail Found Flush (O.U.)
534	30+24.27	189.89 L	1902802.3021	2992712.7931	5/8" Rebar w/ Lauer Cap Found Flush
535	29+65.48	189.43 L	1902739.5034	2992713.9234	5/8" Rebar w/ Lauer Cap Found Flush
539	28+35.31	192.82 L	1902600.3628	2992716.7496	5/8" Rebar Found 2" B/S (O.U.)
540	28+32.93	152.09 L	1902600.6275	2992757.5576	5/8" Rebar Found Flush (O.U.)
541	27+31.61	157.21 L	1902499.0345	2992759.5583	5/8" Rebar w/ Couts Cap Found Flush
547	33+97.37	190.81 L	1903181.1337	2992722.1325	1/2" Iron Pin Found 3" B/S (O.U.)
548	34+33.35	155.73 L	1903216.0116	2992758.3007	5/8" Rebar Found 4" B/S (O.U.)
705	28+29.92	0.00	1902608.1170	2992909.4989	NMS
706	31+09.73	0.00	1902887.7563	2992903.9986	NMS
707	29+69.83	3.53 L	1902747.7978	2992899.6891	NMS
721	30+00.00	0.00 R	1902778.0371	2992902.7919	NMS
5385	24+57.64	75.86 L	1902231.4394	2992859.9110	5/8" Rebar Found Flush (O.U.)
5386	24+92.38	39.13 L	1902268.6656	2992894.1077	5/8" Rebar Found Flush (O.U.)
5391	25+54.80	38.83 L	1902330.9561	2992890.0355	5/8" Rebar Found Flush (O.U.)
5392	26+39.86	38.28 L	1902415.8379	2992884.6260	5/8" Rebar w/ Lauer Cap Found Flush
5522	27+24.98	38.06 L	1902500.7708	2992878.8859	5/8" Rebar Found Flush (O.U.)
5620	27+66.97	27.41 R	1902547.2370	2992941.2569	5/8" Rebar w/ Starr Cap Found Flush
5777	31+60.46	39.00 R	1902937.2578	2992944.5382	5/8" Rebar w/ Vester Cap Found Flush (O.U.)
5781	31+58.59	41.08 L	1902937.8499	2992864.4424	5/8" Rebar w/ Couts Cap Found Flush
5788	30+64.05	24.35 R	1902841.7350	2992927.3204	1" Crimped Pipe 2" B/S (O.U.)
5789	29+74.71	25.11 R	1902753.2009	2992928.2368	1" Crimped Pipe Flush (O.U.)
7200	32+27.76	35.78 L	1903006.8329	2992871.8635	7/8" Rebar Found 1" B/S (O.U.)
7602	32+94.63	110.95 L	1903075.9812	2992798.7936	5/8" Rebar Found 12" B/S (O.U.)
8745	37+65.36	35.63 L	1903544.1652	2992888.5682	7/8" Rebar Found Flush (O.U.)
8829	37+76.35	135.24 R	1903549.8932	2993059.6946	5/8" Rebar Found Flush (O.U.)





Easement Notes

E-3: 15' Electric Easement Recorded as Instrument Number 201717001396

Wabash Township
Tippecanoe County

The Within Plat of Survey was prepared for the Commissioners of Tippecanoe County, Indiana by Alan B. Cleveland

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Alan B. Cleveland

DLZ
157 EAST MARYLAND STREET
INDIANAPOLIS, INDIANA 46204
(317) 633-4120
acleveland@dlz.com

LOCATION CONTROL ROUTE SURVEY PLAT

COUNTY: Tippecanoe | ROUTE: Morehouse Road

Location Control Route Survey
Prepared for the County Board of Commissioners of Tippecanoe County, Indiana

Survey Started: June 1, 2017 Survey Completed: August 24, 2017

DRAWN BY: CAD CHKD BY: AS | DLZ Proj. No.: 1763-1212-90 | SHEET NO. 2 OF 4

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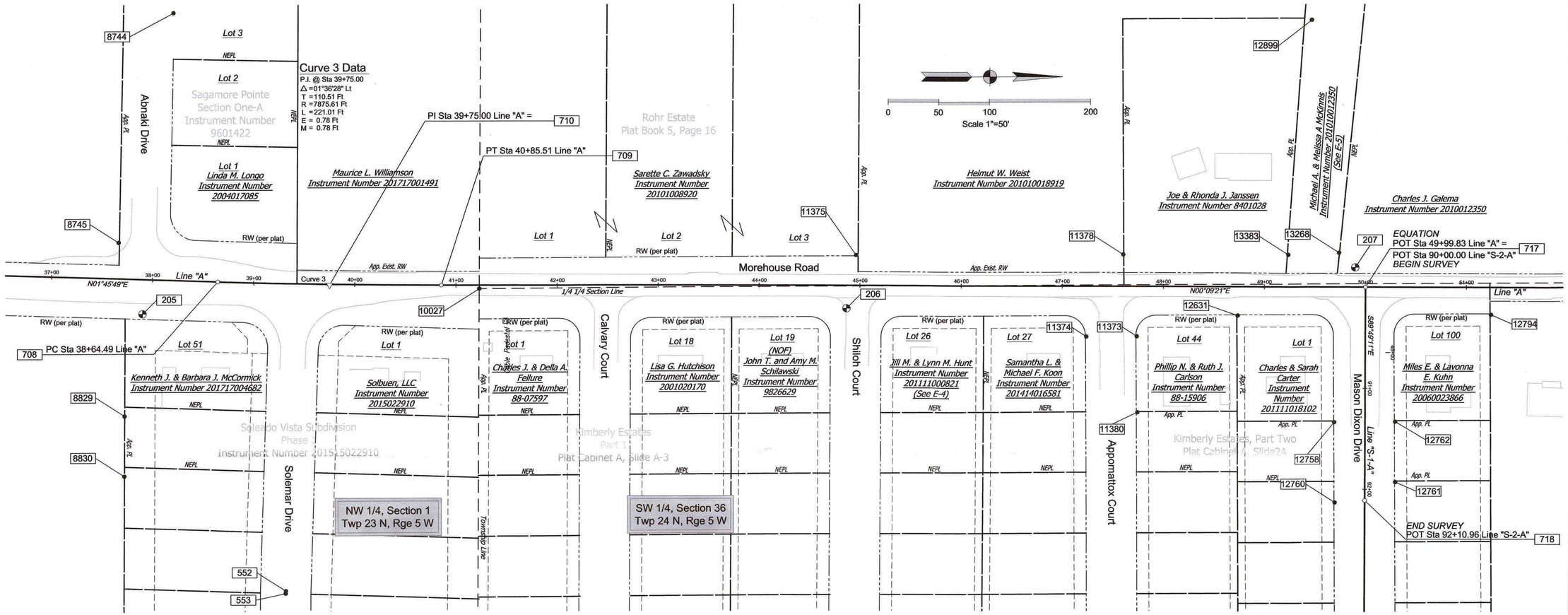

C24+A20:	Station	Offset	Northing	Easting	Remarks
	Line "A"				
708	38+64.49	0.00	1903642.1585	2992927.2275	NMS
709	40+85.51	0.00	1903863.1344	2992930.9291	NMS
710	39+75.00	NA	1903752.6205	2992930.6287	NMS
8744	38+12.57	264.04 L	1903598.3910	2992661.7141	7/8" Rebar Found 4" B/S (O.U.)
8745	37+65.36	35.63 L	1903544.1652	2992888.5682	7/8" Rebar Found Flush (O.U.)
8829	37+76.35	135.24 R	1903549.8932	2993059.6946	5/8" Rebar w/ T-Bird Cap Found Flush
8830	37+77.90	195.26 R	1903549.5965	2993119.7279	5/8" Rebar w/ T-Bird Cap Found Flush
10027	41+22.99	3.52 R	1903900.6046	2992934.5479	Mag Nail w/ T-Bird Washer Found Flush
11373	47+73.72	49.26 R	1904551.2063	2992982.0565	1/2" Iron Pin Found 5" B/S (O.U.)
11374	47+23.80	49.66 R	1904501.2934	2992982.3233	1/2" Iron Pin Found 10" B/S (O.U.)
11375	44+95.96	30.12 L	1904273.6655	2992901.9250	1" Iron Pin Found Flush (O.U.)
11378	47+60.12	31.34 L	1904537.8320	2992901.4214	1/2" Iron Pin Found Flush (O.U.)
11380	47+74.53	124.24 R	1904551.8155	2993057.0381	1/2" Iron Pin Found 3" B/S (O.U.)
12631	48+73.63	28.51 R	1904651.1803	2992961.5781	1/2" Iron Pin Found 1" B/S (O.U.)
12758	49+69.28	133.31 R	1904746.5371	2993066.6421	1/2" Iron Pin Found 2" B/S (O.U.)
12760	49+70.19	213.04 R	1904747.2322	2993146.3754	1/2" Iron Pin Found 2" B/S (O.U.)
12761	50+29.99	192.73 R	1904807.0941	2993126.2239	1/2" Iron Pin Found Flush (O.U.)
12762	50+29.63	132.67 R	1904806.8912	2993066.1649	1/2" Iron Pin Found 2" B/S (O.U.)
12899	49+45.83	264.04 L	1904724.1760	2992669.2270	5/8" Rebar w/ 10INASE Cap Found Flush
13268	49+73.57	33.94 L	1904751.2821	2992899.4043	5/8" Rebar w/ Starr Cap found Flush
13383	49+23.44	31.72 L	1904701.1503	2992901.4880	1/2" Iron Pipe Found Flush (O.U.)
	Line "S-2-A"				
718	92+10.96	0.00	1904776.7870	2993144.3721	NMS
12758	91+33.32	30.49 R	1904746.5371	2993066.6421	1/2" Iron Pin Found 2" B/S (O.U.)
12760	EOS(92+10.96) + 2.10'	29.55' Rt	1904747.2322	2993146.3754	1/2" Iron Pin Found 2" B/S (O.U.)
12761	91+92.72	30.25 L	1904807.0941	2993126.2239	1/2" Iron Pin Found Flush (O.U.)
12762	91+32.66	29.86 L	1904806.8912	2993066.1649	1/2" Iron Pin Found 2" B/S (O.U.)

LEGEND

-x——x——x——EXISTING FENCE
— — — — — EASEMENT LINE
——— — — — APPARENT EXISTING RIGHT OF WAY
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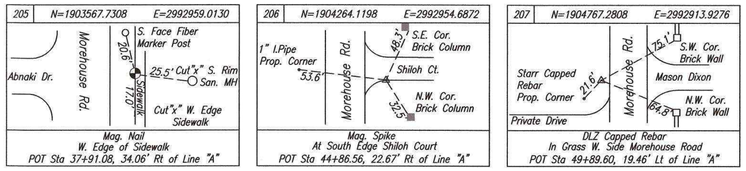
▨ = FOUND R/W MARKER
▙ = CEMETERY MARKER

Easement Notes

E-4: Electric Easement Recorded as Instrument Number 201515018469
E-5: Electric Easement Recorded as Instrument Number 201010015335



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LOCATION CONTROL ROUTE SURVEY PLAT

COUNTY: Tippecanoe | ROUTE: Morehouse Road

Location Control Route Survey
Prepared for the County Board of Commissioners of Tippecanoe County, Indiana

Survey Started: June 1, 2017 Survey Completed: August 24, 2017

DRAWN BY: CAD CHKD BY: AS | DLZ Proj. No.: 1763-1212-90 | SHEET NO. 3 OF 4

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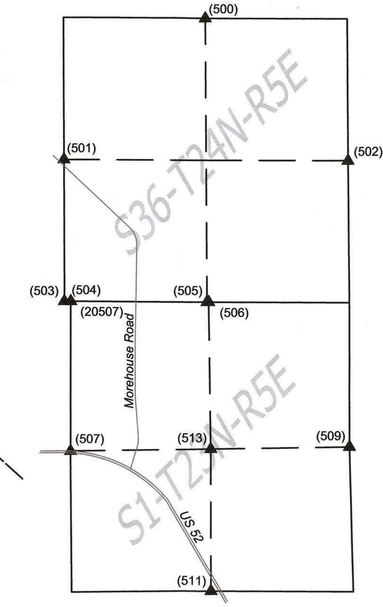
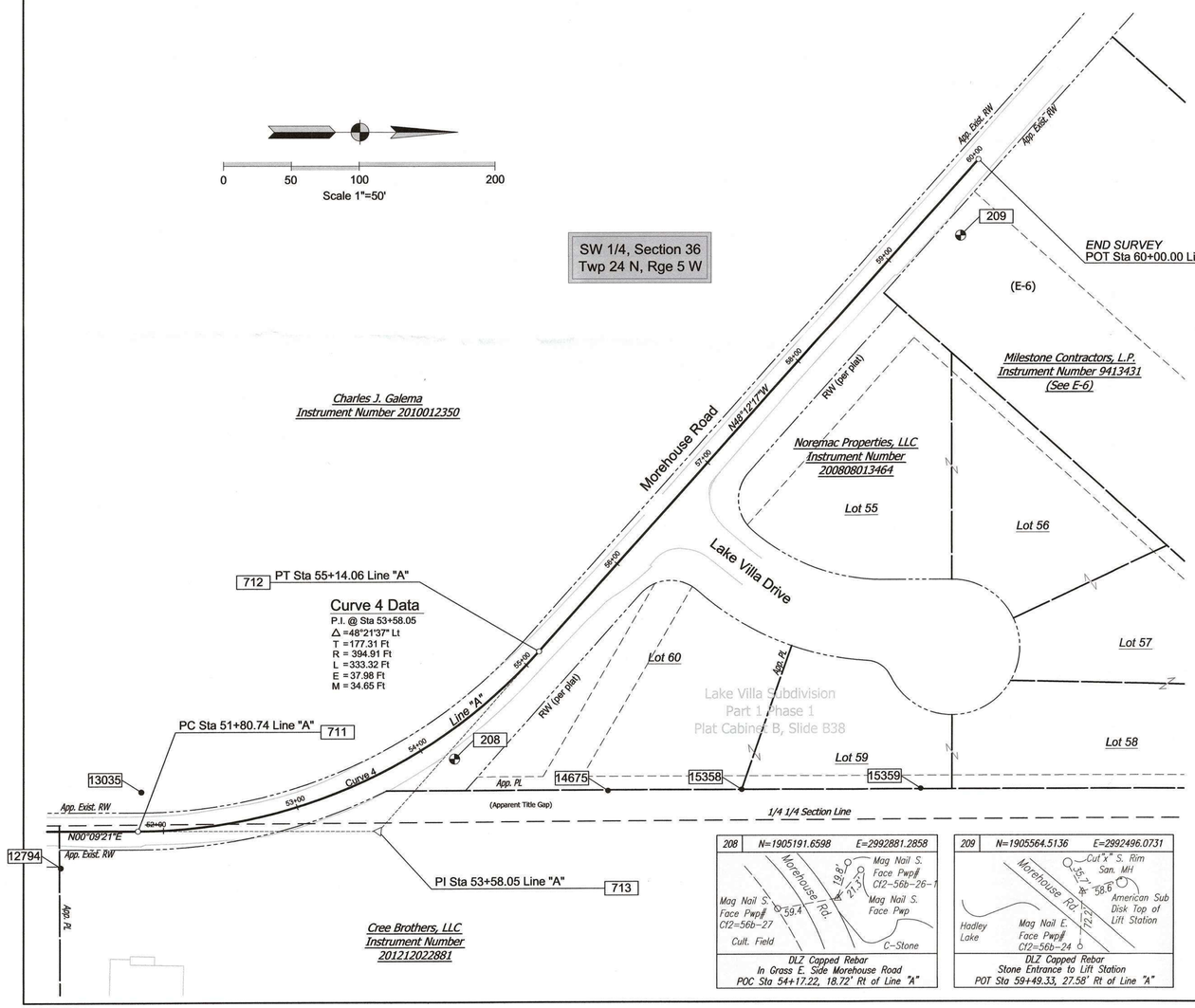
Section Corner Table			
Point	Northing	Easting	Remarks
500	1909186.7650	2994225.7730	Berntsen Marker Flush Per C. Ties
501	1906551.5736	2991597.6783	Berntsen Marker 6" B/S Per C. Ties
502	1906528.4790	2996888.3883	Berntsen Marker Flush Per C. Ties
503	1903907.0001	2991608.1673	Berntsen Marker Flush Per C. Ties
504	1903906.8384	2991727.7808	Concrete Corner Post per Co. Ties
505	1903893.9052	2994263.0401	Berntsen Marker Flush Per C. Ties
506	1903893.7302	2994293.9558	Berntsen Marker 12" B/S Per C. Ties
507	1901111.2523	2991725.1401	Steel Pin 3" B/S per Co. Ties
509	1901190.1532	2996921.7812	Berntsen Marker 12" B/S Per C. Ties
511	1898511.1171	2994342.8428	Berntsen Marker Flush Per C. Ties
20507	1903906.8384	2991727.7808	Calculated Corner (See Report)

Point	Station	Offset	Northing	Easting	Remarks
	Line "A"				
711	51+80.74	0.00	1904958.3684	2992933.9063	NMS
712	55+14.06	0.00	1905253.8563	2992802.1955	NMS
713	53+47.40	37.98 R	1905135.6815	2992934.3882	NMS
724	60+00.00	0.00 L	1905577.7186	2992439.9161	NMS
12794	51+23.93	27.04 R	1904901.4806	2992960.7967	1/2" Iron Pin Found 4" B/S (O.U.)
13035	51+83.28	28.71 L	1904960.7965	2992905.1966	5/8" Rebar w/ GRW Cap Found Flush
14675	54+80.56	108.21 R	1905304.7640	2992904.8920	3/4" Iron Pin Found 2" B/S (O.U.)
15358	55+37.57	179.41 R	1905403.2710	2992904.2440	3/4" Rebar w/ Fisher Cap Found Flush
15359	56+25.88	277.33 R	1905535.1390	2992903.6700	3/4" Rebar w/ Fisher Cap Found Flush

Easement Notes

E-6: Drainage & Greenway Easement Recorded in Instrument Number 91-16247





LEGEND

- EXISTING FENCE
- EASEMENT LINE
- APPARENT EXISTING RIGHT OF WAY
- 000 = SURVEY POINT NUMBER
- (000) = SECTION CORNER NUMBER
- RW-0 = RIGHT OF WAY NOTE
- G-0 = GENERAL NOTE
- E-0 = EASEMENT NOTE
- NCRA = NO COUNTY SURVEYOR REFERENCES AVAILABLE
- NRA = NO REFERENCES AVAILABLE
- NORA = NO OTHER REFERENCES AVAILABLE
- NMS = NO MONUMENT SET
- NMF = NO MONUMENT FOUND
- NEPL = NO EVIDENCE OF PROPERTY LINE
- APP PL = APPARENT PROPERTY LINE
- NOF = NOW OR FORMERLY
- B/S = BELOW SURFACE
- A/S = ABOVE SURFACE
- O.U. = ORIGIN UNKNOWN
- T.C.S.O. = TIPPECANOE COUNTY SURVEYOR'S OFFICE
- = ALIGNMENT POINT
- = ILLINOIS SURVEY GRANT CORNER
- = RANDOM SURVEY CONTROL MARKER
- = FOUND SURVEY / TITLE MONUMENT
- = FOUND R/W MARKER
- = CEMETERY MARKER

INDIANA SURVEYOR'S REPORT

This transportation improvement project survey is approximately 5,600 feet in aggregate length and is located primarily along Morehouse Road and portions of CR 350 N and Mason-Dixon Drive.

The project is located in Section 1, Township 23 North, Range 5 West and Section 36, Township 24 North, Range 5 West in Wabash Township Tippecanoe County, Indiana.

The purpose of this survey was to collect necessary data for the proper design and construction of a proposed improvement to this roadway and to provide a basis for any needed Right of Way.

Neither the Tippecanoe County Surveyor nor the Tippecanoe County Highway Department have provided Right of Way or alignment records for this project.

This survey is not a boundary retracement survey. Any apparent property, subdivision or easement lines shown hereon are based on the last deed of record and or GIS data and found markers. These lines are shown for the convenience of the users of this plat and not to indicate the location of title.

This project is based on the Indiana State Plane Coordinate System, NAD 1983, West Zone. Coordinates are shown to at least four decimal places not to indicate the accuracy of the survey, but to provide for repeatability of calculations. Linear dimensions and coordinate values are in U.S. feet. The basis of bearings is the Indiana State Plane Coordinate System, West Zone (NAD 1983).

SURVEY CONTROL

Primary survey control was established using double occupancy rapid static GPS with corrections provided by INCORS. The primary survey control points and found survey/title markers as shown in the reference ties and coordinate tables are in the plane projection. Combined Scale Factor is 0.99993655.

The horizontal RELATIVE POSITIONAL ACCURACY of any survey control monument with respect to any other survey control monument established this survey is +/-0.07 feet.

Users of this plat needing additional information with respect to the project GPS survey should contact the undersigned at the DLZ office location shown in the title block.

ALIGNMENTS

Line "A" was established on the near approximate pavement centerline of Morehouse Road. Line "A" being newly established and not retraced, is original and therefore has no associated uncertainty.

Pavement centerline was created by pavement split of the primary Morehouse Road roadway (the roadway) and does not include splits of accel-decel lanes or blisters. The centerline was offset to or near the roadway edge of pavement to establish Right of Way where no record Right of Way documentation was found during records research.

Line "S-1-A" was established on the near approximate pavement centerline of CR 350 N. Line "S-1-A" being newly established and not retraced, is original and therefore has no associated uncertainty.

Line "S-2-A" was established on the near approximate pavement centerline of Mason-Dixon Drive. Line "S-2-A" being newly established and not retraced, is original and therefore has no associated uncertainty.

REFERENCE MONUMENTS

All reference monuments, established this survey, are as noted in the tables, reference ties and along the alignment. The reference monuments are numbered 200 through 209. These reference monuments are tied directly to the alignments by station and offset. Reference monuments established this survey have no uncertainty with respect to the newly established alignments.

SECTION CORNERS

The following is a list of section corner monuments, and the uncertainty associated with each with respect to the location of the original government corner monuments unless qualified otherwise, found in Section 36, Township 24 North, Range 5 West and Section 1, Township 23 North, Range 5 West with the aid of records found in the Tippecanoe County Surveyor's Office (T.C.S.O.) and other sources.

Point (500) is a Berntsen marker found flush in good condition at the North Quarter corner of Section 36 per the (T.C.S.O.) reference ties. Uncertainty: +/-0.5 feet.

Point # 501 is a Berntsen marker found 6 inches below surface in good condition at the West Quarter corner of Section 36 per the (T.C.S.O.). Uncertainty: +/-2.0 feet.

Point # 502 is a Berntsen marker found flush in good condition at the East Quarter corner of Section 36 per the (T.C.S.O.). Uncertainty: +/-0.2 feet.

Point # 503 is a Berntsen marker found flush in good condition at the Southwest corner of Section 36 per the (T.C.S.O.). Uncertainty: +/-4.0 feet.

Point # 504 is a concrete post in good condition at the Northwest corner of Section 1 per the (T.C.S.O.). Uncertainty: +/-0.4 feet.

Point # 505 is a Berntsen marker found flush in good condition at the South Quarter corner of Section 36 per the (T.C.S.O.). Uncertainty: +/-0.3 feet.

Point # 506 is a Berntsen marker found 12 inches below surface in good condition at the North Quarter corner of Section 1 per the (T.C.S.O.). Uncertainty: See Note.

Point # 507 is a 1 inch steel pin found 3 inches below surface in good condition at the West Quarter corner of Section 1 per the (T.C.S.O.). Uncertainty: +/-0.5 feet.

Point # 509 is a Berntsen marker found 12 inches below surface in good condition at the East Quarter corner of Section 1 per the (T.C.S.O.). Uncertainty: +/-4.0 feet.

Point # 511 is a Berntsen marker found 12 inches below surface in good condition at the East Quarter corner of Section 1 per the (T.C.S.O.). Uncertainty: +/-4.0 feet.

Point # 513 is a Berntsen marker found flush in good condition at the South Quarter corner of Section 1 per the (T.C.S.O.). Uncertainty: See Note.

Note: This corner not marked on original survey.

RIGHT OF WAY

Right of Way as shown along Morehouse Road is as noted on this plat and is based on record documents found in the Tippecanoe County Recorder's Office. The documents relied upon to establish Right of Way may not be all the records describing the Right of Way and in the areas where Right of Way is marked as apparent there were record documents found.

Where no properly dedicated, granted or purchased Right of Way can be proven by recorded documentation, the "edge of the traveled way" (roughly the edge of pavement) will be used as the boundary of the existing Right of Way (per Indiana case law). The "traveled way" includes all through lanes but excludes shoulders, turning lanes, passing blisters, and radii fillet areas.

STEP ONE IN A TWO STEP PROCESS

This Location Control Route Survey Plat, which is the first step in the route survey process, was prepared for the purposes of establishing the apparent existing right-of-way for the various roads, to field establish proposed project alignments and to collect title evidence. This survey should be recognized as the preliminary phase of a "Route Survey" as defined by IAC 865 1-12.

Following the completion of this portion of the survey, acquisition parcel(s) will be identified and plats and descriptions will be prepared for those parcels cross referencing this recorded plat. The combination of the acquisition documents and the Location Control Route Survey Plat will comprise the completed "Route Survey".

SURVEYOR'S STATEMENT

The undersigned hereby states, that to the best of his information, knowledge and belief, the within plat, and the survey on which it is based, were prepared in accordance with the provisions of TITLE 865 I.A.C. 1-12 regarding Route Surveys. The undersigned further states that any data or information found herein regarding the location or description of any parcels of real property is provided for the sole purpose of showing current ownership, per Tippecanoe County Records, at the time of the survey and not the true or correct position of title. The determination of the location of title is beyond the scope of this Survey".

The within Plat of Survey prepared by:
Alan Brent Cleveland
Registered Professional Land Surveyor
Within the State of Indiana
Registration Number LS80880007
Date August 24, 2017

ALAN BRENT CLEVELAND REGISTERED No. 80880007 STATE OF INDIANA PROFESSIONAL SURVEYOR

The Within Plat of Survey was prepared for the Commissioners of Tippecanoe County, Indiana by Alan B. Cleveland

Wabash Township
Tippecanoe County

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.

Alan B. Cleveland

DLZ
157 EAST MARYLAND STREET
INDIANAPOLIS, INDIANA 46204
(317) 633-4120
acleveland@dlz.com

LOCATION CONTROL ROUTE SURVEY PLAT

COUNTY: Tippecanoe | ROUTE: Morehouse Road

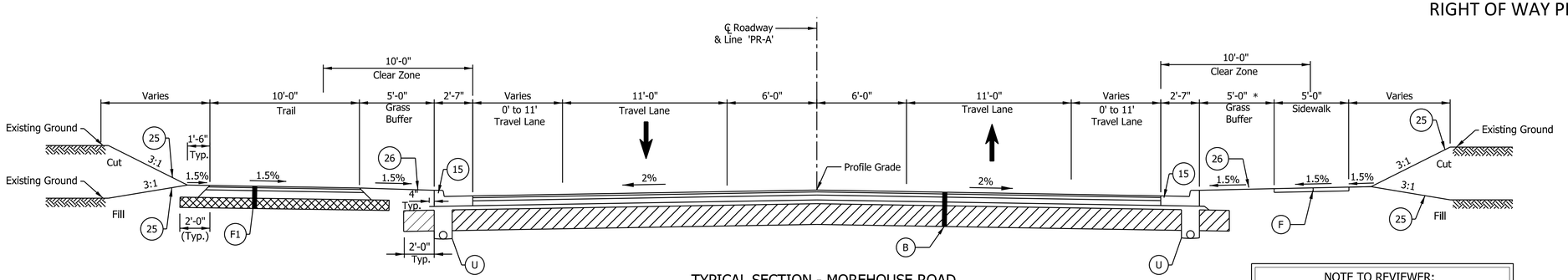
Location Control Route Survey
Prepared for the County Board of Commissioners of Tippecanoe County, Indiana

Survey Started: June 1, 2017 Survey Completed: August 24, 2017

DRAWN BY: CAD | CHKD BY: AS | DLZ Proj. No.: 1763-1212-90 | SHEET NO. 4 OF 4

M:\proj\1763\1212 - Tipp Co Morehouse Road\Survey\LCRSP\Drawings\LCRSP 1212.dwg, ANSI_D (22.00_x_34.00_Inches)

RIGHT OF WAY PLANS

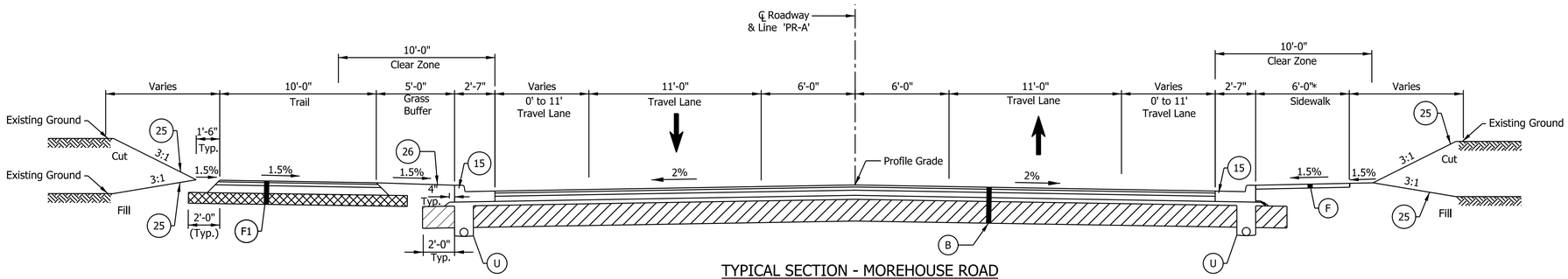


TYPICAL SECTION - MOREHOUSE ROAD

Scale: 1/4" = 1'-0"

Sta. 10+65.24 'PR-A' to Sta. 11+75.00 'PR-A'

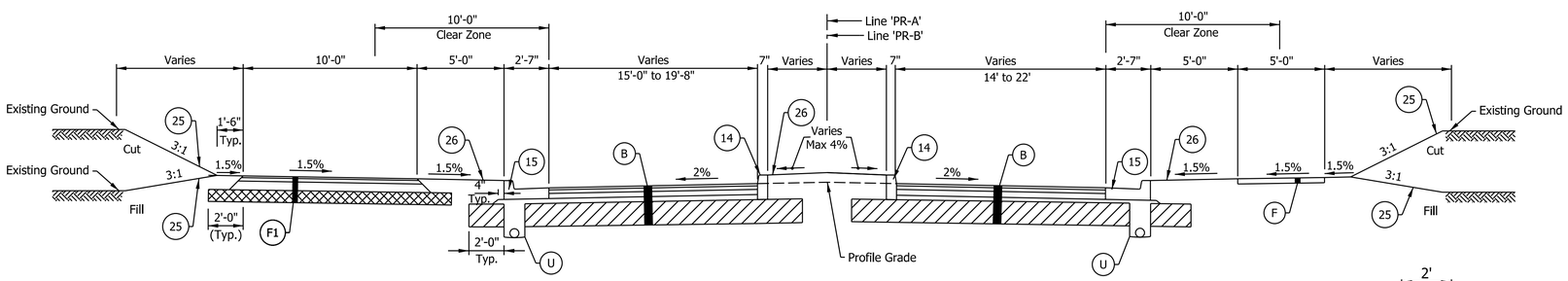
NOTE TO REVIEWER:
PAVEMENT SECTION TO BE FINALIZED AFTER
PAVEMENT DESIGNSTATIONING FOR VARYING
WIDTH WILL BE PROVIDED IN
FURTURE SUBMITTALS



TYPICAL SECTION - MOREHOUSE ROAD

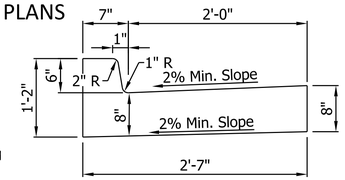
Scale: 1/4" = 1'-0"

Sta. 15+35.00 'PR-A' to Sta. 49+00.00 'PR-A'



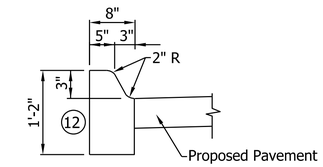
TYPICAL SECTION - ROUNDABOUT APPROACH

Sta. 11+75.00 'PR-A' to Sta. 12+99.00 'PR-A'
Sta. 14+19.00 'PR-A' to Sta. 15+35.00 'PR-A'
Sta. 101+17.00 'PR-B' to Sta. 101+33.00 'PR-B'
Sta. 102+52.00 'PR-B' to Sta. 103+15.00 'PR-B'



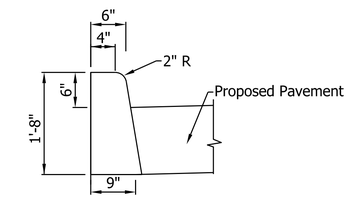
15 COMBINED CONCRETE CURB AND GUTTER

Not to Scale



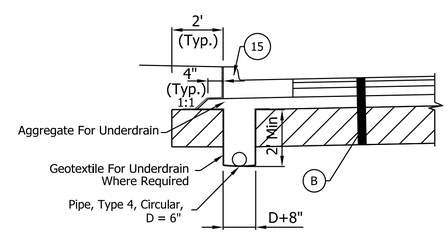
12 CONCRETE CURB TYPE B (MODIFIED)

Not to Scale



14 CONCRETE CURB VERTICAL

Not to Scale



UNDERDRAIN DETAIL

Not to Scale

LEGEND:

- Subgrade Treatment, Type IB
- Subgrade Treatment, Type III
- (12) Curb, Concrete Type 'B' (Modified)
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) 9" PCCP, on 5" Compated, Agg No. 53, on Subgrade Treatment IB
- (25) Seed Mixture, U
- (26) Sodding
- (B) HMA Pavement 165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on 275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on 440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type IB
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk 140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on 220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on 6" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (U) Underdrain, See Detail This Sheet.

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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

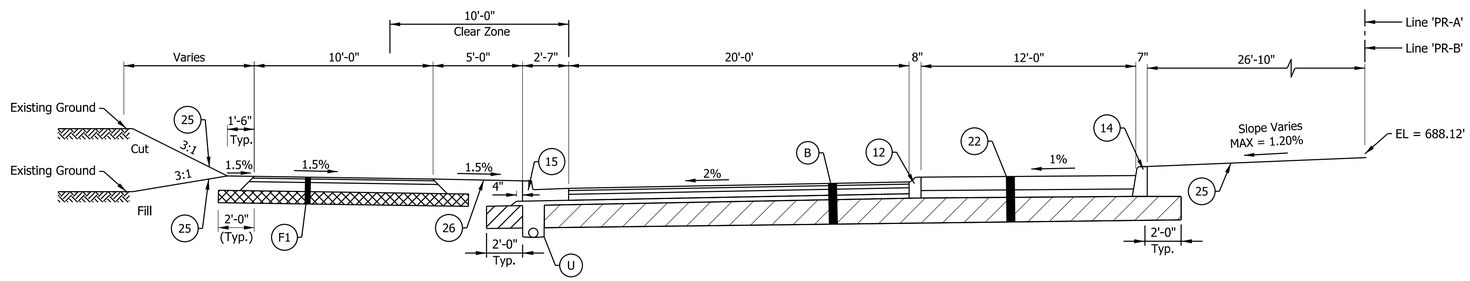
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	ROAD PROJECT
1/4" = 1'-0"	--
	DESIGNATION
	1401280

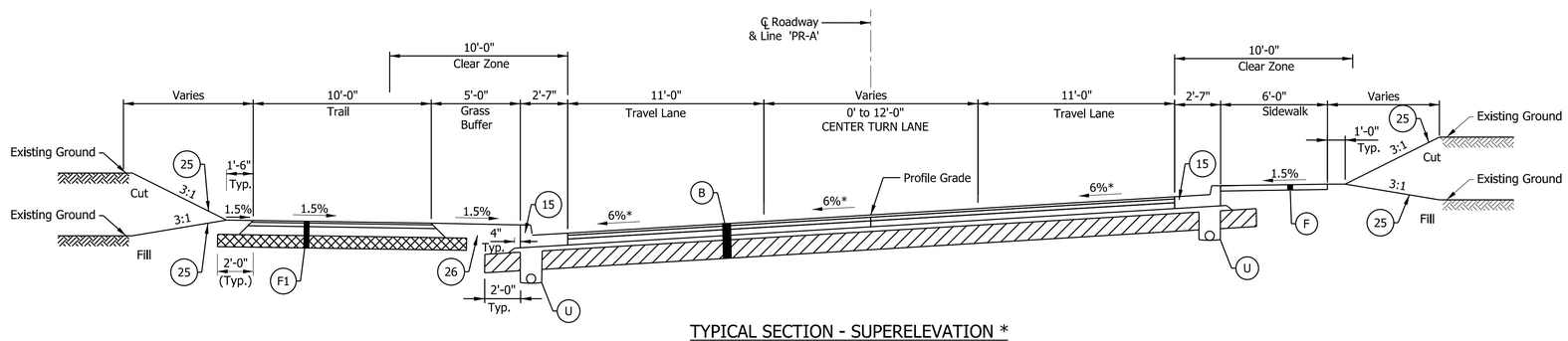
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 22
CONTRACT	PROJECT
R-37909	1401280

NOTE TO REVIEWER:
PAVEMENT SECTION
TO BE FINALIZED
AFTER PAVEMENT DESIGN



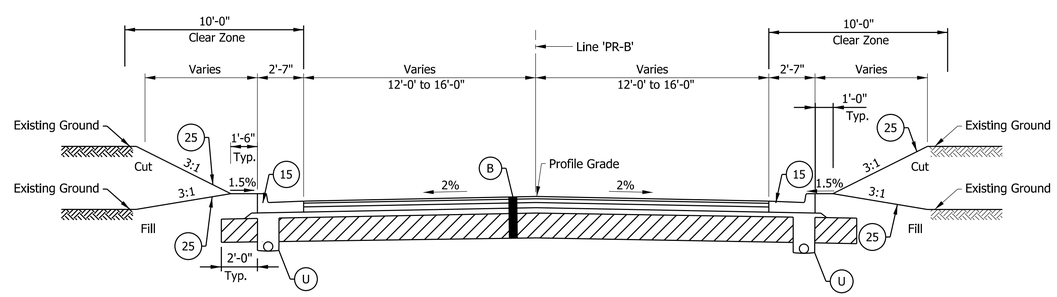
TYPICAL SECTION - ROUNDABOUT

Sta. 12+99.00 'PR-A' to Sta. 14+19.00 'PR-A'
Sta. 101+33.00 'PR-B' to Sta. 102+52.00 'PR-B'



TYPICAL SECTION - SUPERELEVATION *

Sta. 49+00.00 'PR-A' to Sta. 55+49.66 'PR-A'
* SEE SHEET 34 FOR SUPERELEVATION DETAIL



TYPICAL SECTION - C.R. 350N

Sta. 100+93.03 'PR-B' to Sta. 101+16.53 'PR-B'
Sta. 102+88.40 'PR-B' to Sta. 105+58.96 'PR-B'

LEGEND:

- Subgrade Treatment, Type IB
- Subgrade Treatment, Type III
- (12) Curb, Concrete Type 'B' (Modified)
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) 9" PCCP, on 5" Compated, Agg No. 53, on Subgrade Treatment IB
- (25) Seed Mixture, U
- (26) Sodding
- (B) HMA Pavement 165#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on 275#/SYD QC/QA-HMA, 2,64, Intermediate, 19.0 mm, on 440#/SYD QC/QA-HMA, 2,64, , Base, 25.0 mm, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type IB
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk 140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on 220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on 6" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (U) Underdrain, See Detail on Sheet #3

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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

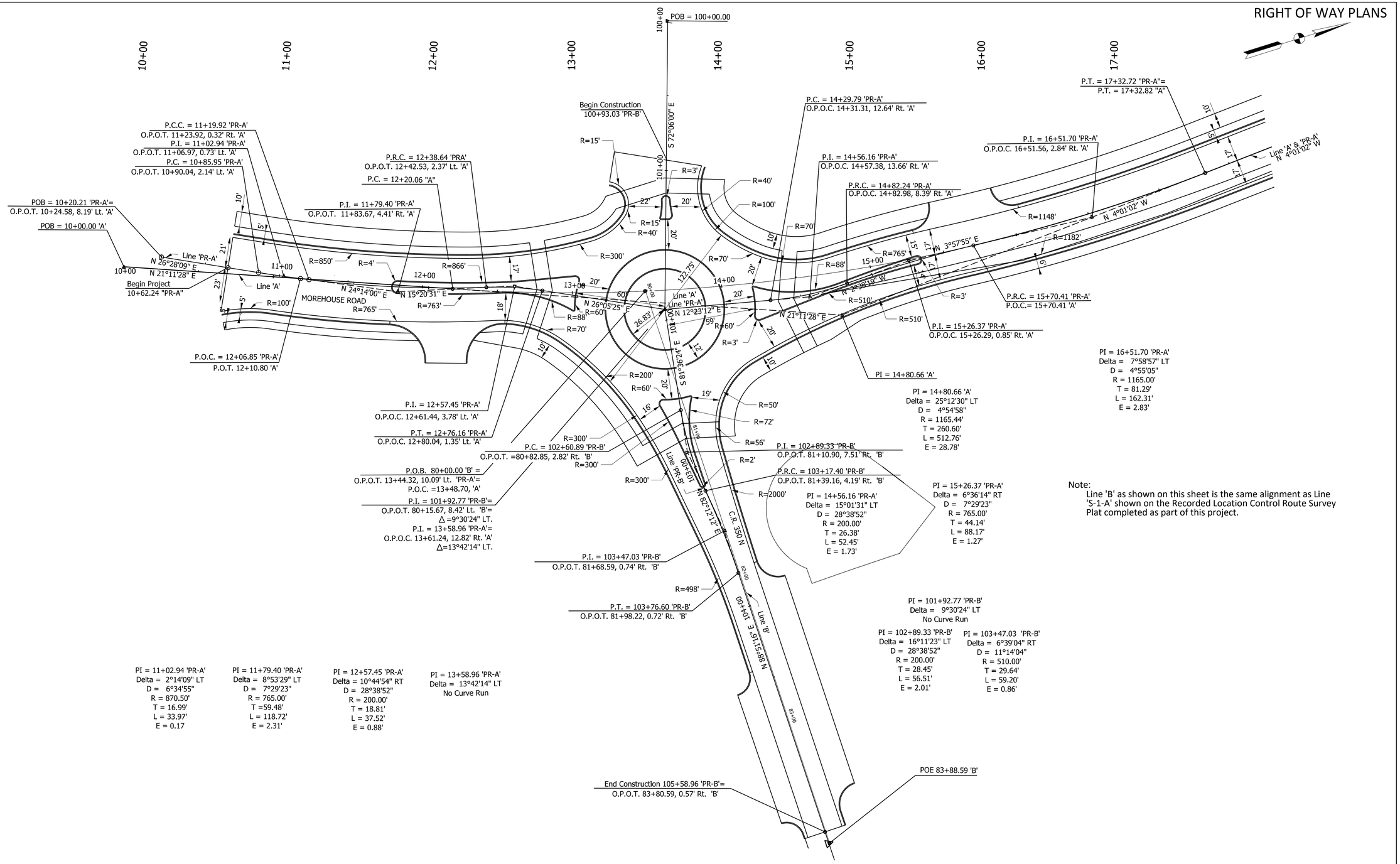
DESIGNED: JHT	02/2020	DRAWN: DPH	02/2020
CHECKED: DSB	02/2020	CHECKED: JHT	02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	ROAD PROJECT
1/4" = 1'-0"	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	8 of 22
CONTRACT	PROJECT
R-37909	1401280

RIGHT OF WAY PLANS



Note:
Line 'B' as shown on this sheet is the same alignment as Line 'S-1-A' shown on the Recorded Location Control Route Survey Plat completed as part of this project.

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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

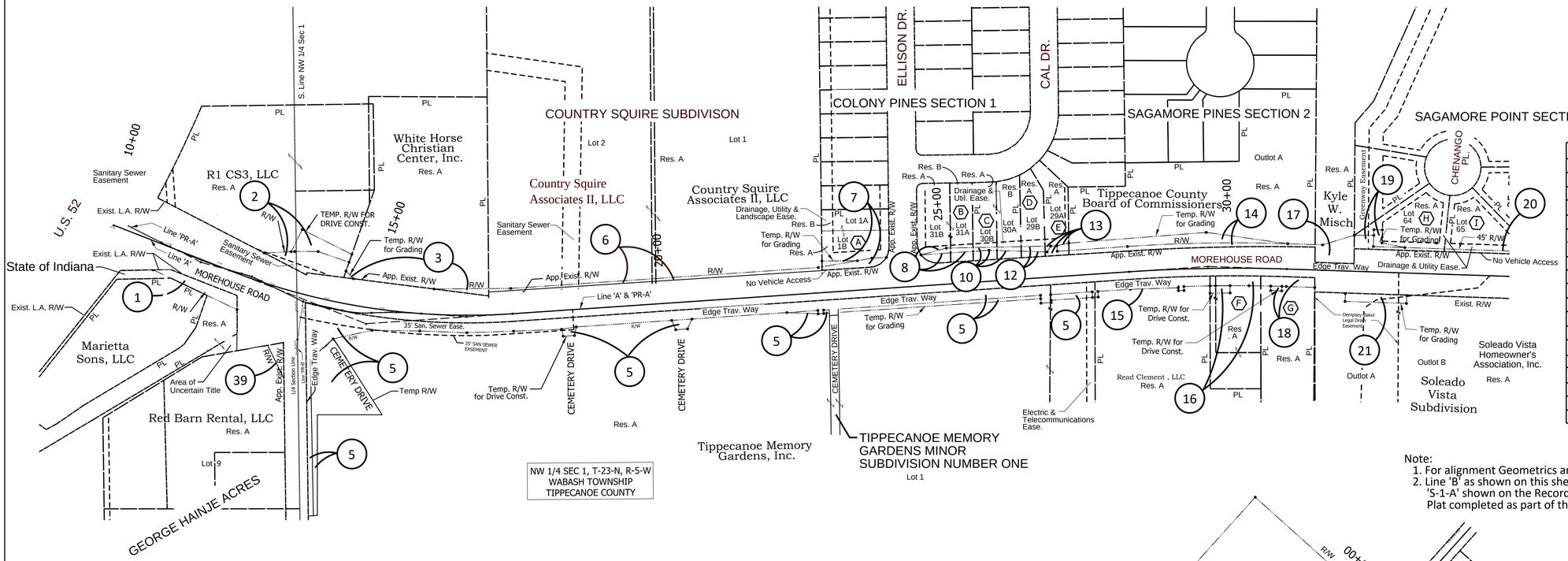
CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT LAYOUT
MOREHOUSE ROAD AND CR 350

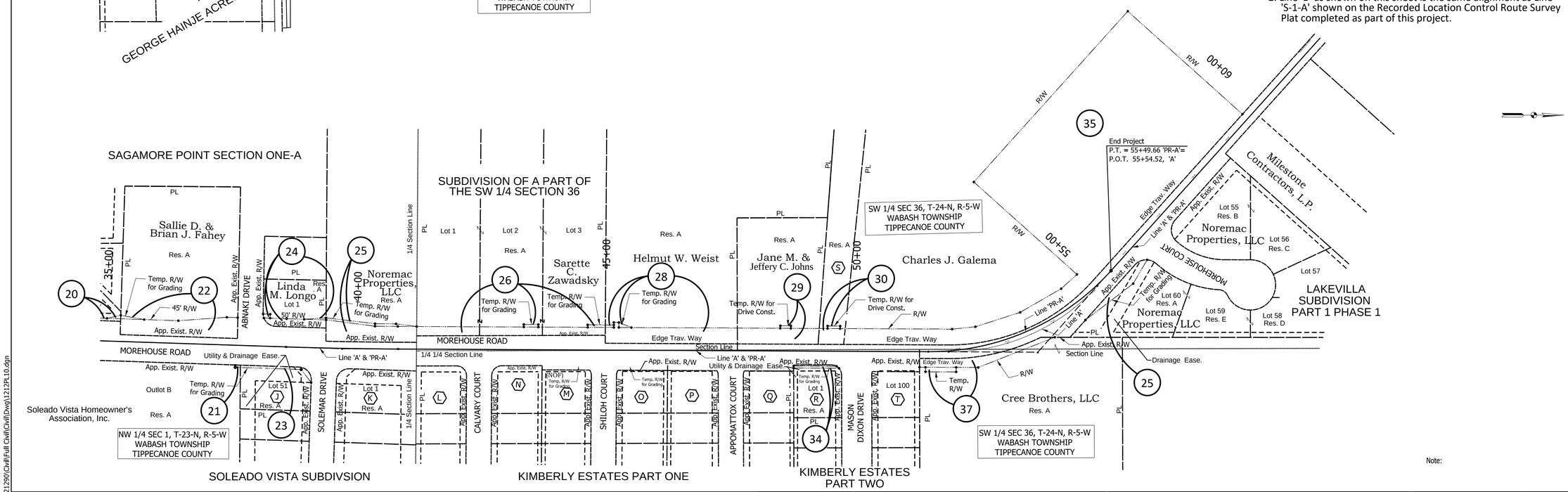
SCALE	ROAD PROJECT
1" = 30'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 22
CONTRACT	PROJECT
R-37909	1401280

RIGHT OF WAY PLANS



A	Chun-Li Chang
B	April Investment, LLC
C	Connie Phung
D	Kate M. Hutchison, et vir
E	Natalie M. Stewart
F	James R. & Jannet M. Glenna
G	Joseph R. Timmons
H	Peter C. Circle,Et Al
I	Albert Urazaev
J	Kenneth J. & Barbara J. McCormick
K	Solbuen, LLC
L	Charles J. & Della A. Fellure
M	Michael P. Wilson
N	Lisa G. Hutchison
O	Jill M. & Lynn M. Hunt
P	Samantha L. & Michael F. Koon
Q	Phillip N. & Ruth J. Carlson
R	Charles & Sarah Carter
S	Michael A. & Melissa A McKinnis
T	Miles E. & Lavonna E. Kuhn

Note:
1. For alignment Geometrics and Roundabout Layout, See Sheet 9
2. Line 'B' as shown on this sheet is the same alignment as Line 'S-1-A' shown on the Recorded Location Control Route Survey Plat completed as part of this project.



Note:

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT ONE

SCALE	ROAD PROJECT
1:100	-
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 22
CONTRACT	PROJECT
R-37909	1401280

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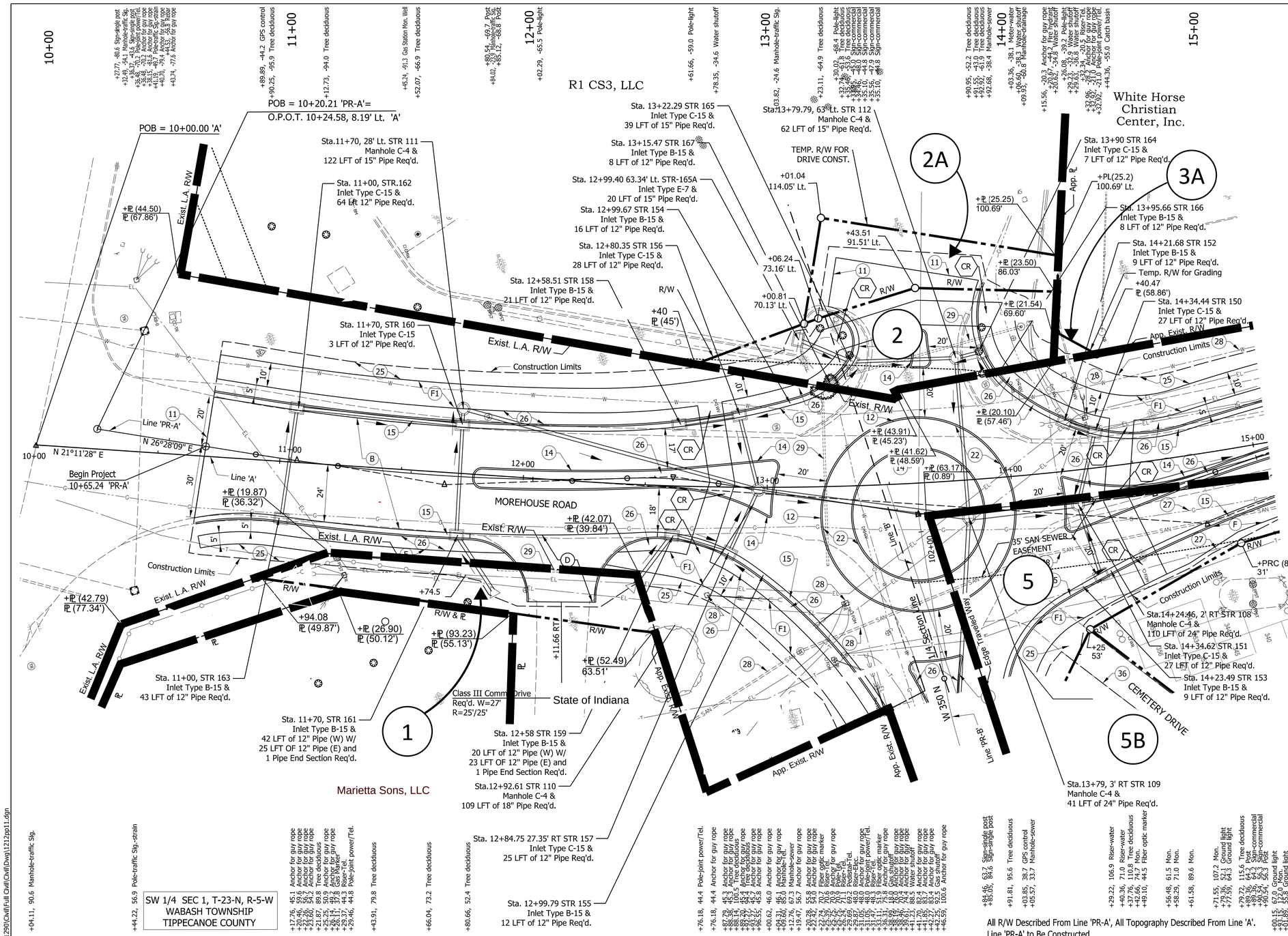
RIGHT OF WAY PLANS



Note:
1. For alignment Geometrics and Roundabout Layout, See Sheet 9
2. Line 'B' as shown on this sheet is the same alignment as Line 'S-1-A' shown on the Recorded Location Control Route Survey Plat completed as part of this project.

LEGEND:

- (11) Sawcut
- (12) Curb, Concrete Type 'B' (Modified)
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (22) 9" PCCP, on 5" Compated, Agg No. 53, on Subgrade Treatment IB
- (25) Seed Mixture, U
- (26) Sodding
- (27) Relocated by Others
- (28) Relocate by Others
- (36) Pavement, Remove
- (B) HMA Pavement 165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on 275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on 440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on Dense Graded Subbase, on Subgrade Treatment, Type II
- (D) PCCP for Approaches, 9", on Dense Graded Subbase, on Geogrid Type 1B, on Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk 140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on 220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on 6" Compacted Aggregate No. 53, on Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp Details to Be Provided At Future Submittal

SW 1/4 SEC 1, T-23-N, R-5-W
WABASH TOWNSHIP
TIPPECANOE COUNTY

All R/W Described From Line 'PR-A', All Topography Described From Line 'A'.
Line 'PR-A' to Be Constructed

200	N= 1900905.387	E= 2992822.166	Cut "X" Top Curb; Cut "X" Top Side Lt. Pole Base; US 52; Morehouse Rd.; Mag Nail N.Face PWP#029-857; 5/8" Rebar Set w/ DLZ Cap in Grass; Sta. 10+89.89, 44.19' Lt. Line 'A'; Elev. = 688.33'
201	N= 1901178.502	E= 2993000.966	Mag Nail E.Face Pwp #689-201; Mag Nail W.Face 12" Tree; Morehouse Rd.; Kalberer Rd.; Mag Nail N.Face Pwp #687-575; Mag. Spike Set in N. Edge Cemetery Entrance; Sta. 14+03.85, 38.74' Rt. Line 'A'; Elev. = 688.69'

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT	02/2020	DRAWN: DPH	02/2020
CHECKED: DSB	02/2020	CHECKED: JHT	02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-A"

SCALE 1" = 20'	ROAD PROJECT --
	DESIGNATION 1401280
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 22
CONTRACT	PROJECT
R-37909	1401280

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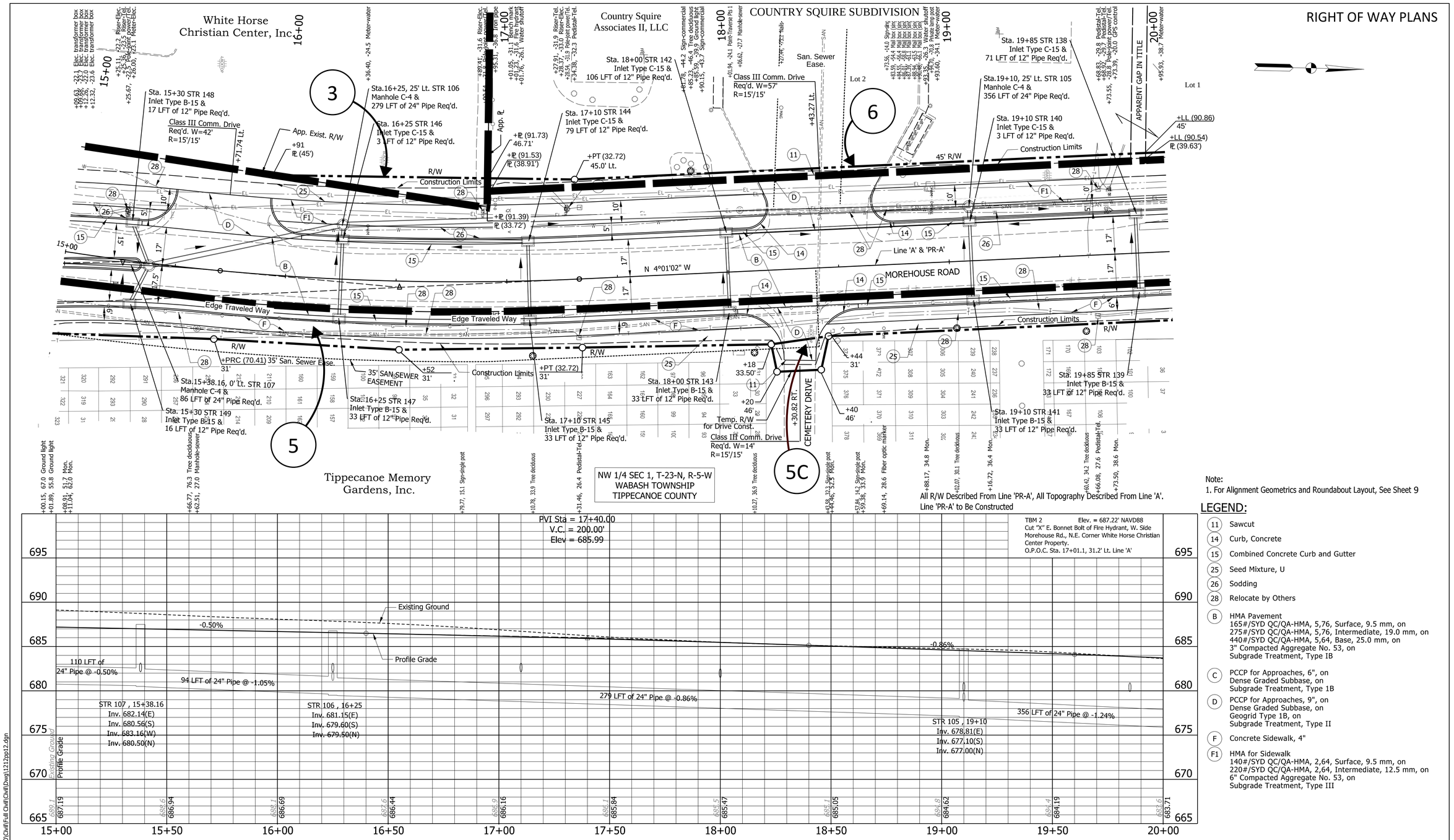
RIGHT OF WAY PLANS



Note:
1. For Alignment Geometrics and Roundabout Layout, See Sheet 9

LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III

202 N= 1901752.289 E= 2992949.578
S. Flange
Sign Post
Cemetary Ent.
Morehouse Rd.
Mag Nail E.Face Pwp #018-677
Mag Nail W.Face 24" Tree
5/8" Rebar Set w/ DLZ Cap in Grass
Sta. 19+73.39, 19.98' Lt. Line 'A'
Elev. = 682.70

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020
CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 22
CONTRACT	PROJECT
R-37909	1401280

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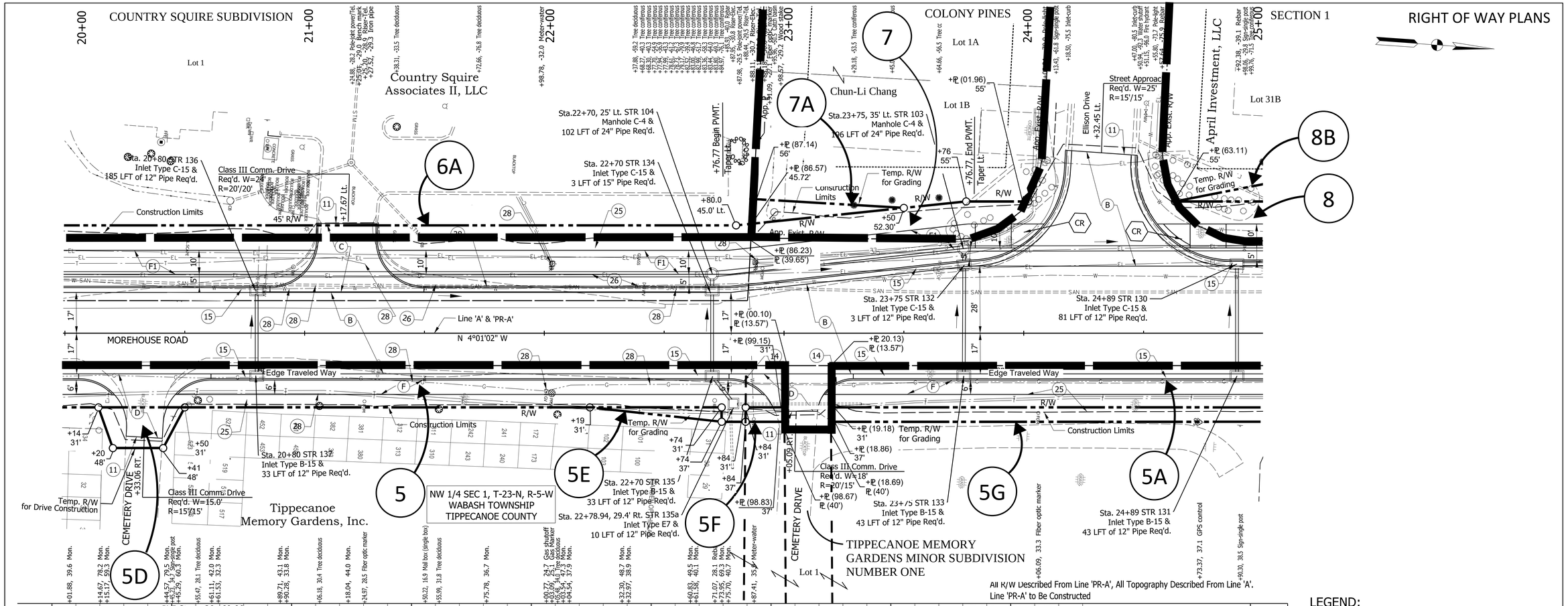

LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal

203 N= 1902255.043 E= 2992971.531

Cut"x" Top Curb Az=268° 67.6' Ellison Dr. Morehouse Rd. 178' Az=178° 8.47' Az=179° 2.58'x'e S.Face Bus Stop Post S. Face Fiber Marker Post

5/8" Rebar Set w/ DLZ Cap in Grass
Sta. 24+73.37, 37.14' Rt. Line 'A'
Elev. = 675.95'

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	-
	DESIGNATION
	1401280

SURVEY BOOK	SHEETS		
ELECTRONIC	13	of	22
CONTRACT	PROJECT		
R-37909	1401280		

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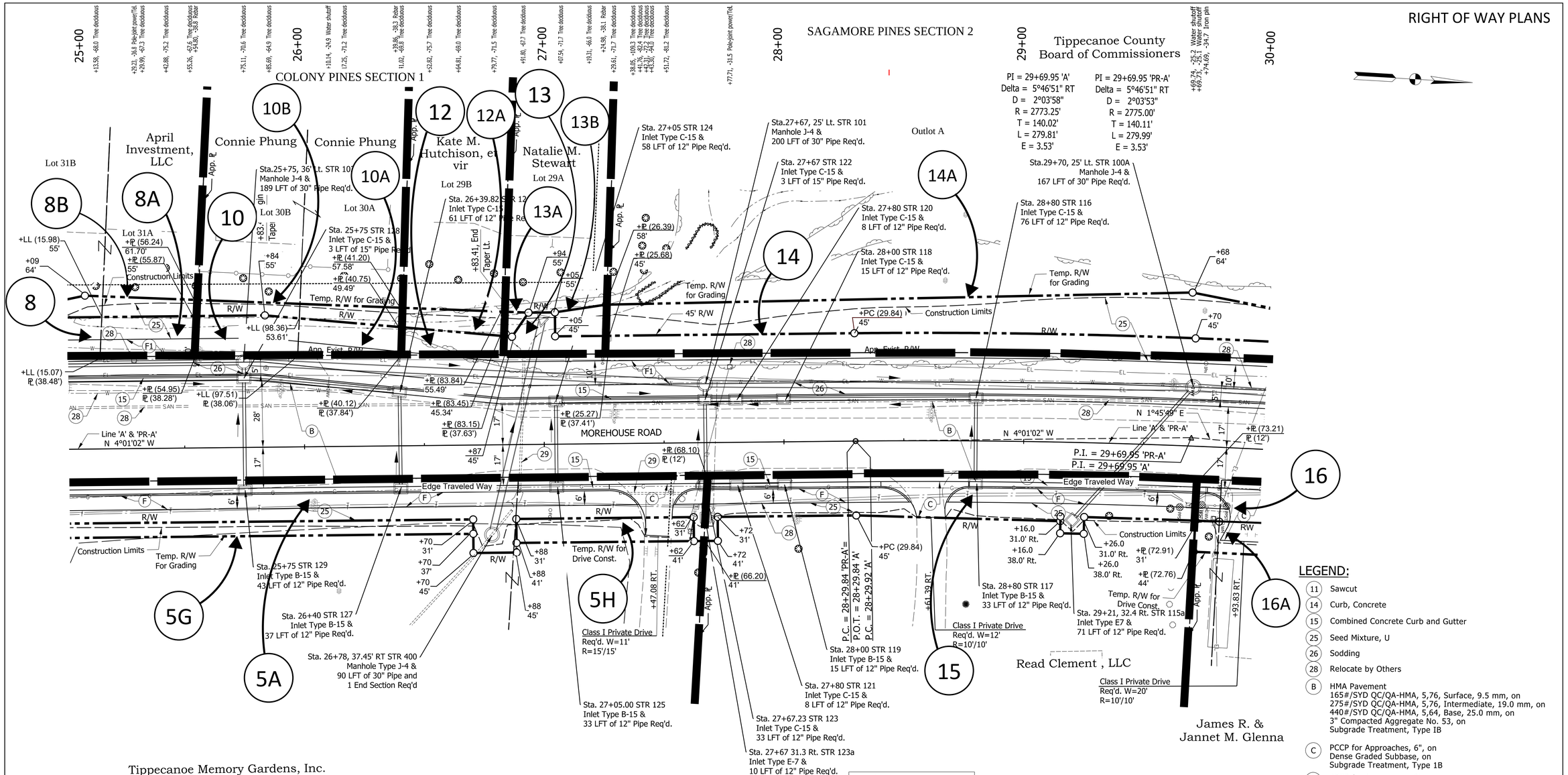
RIGHT OF WAY PLANS



NW 1/4 SEC 1, T-23-N, R-5-W
WABASH TOWNSHIP
TIPPECANOE COUNTY

+02.24, 27.4 Fiber optic marker

+60.66, 37.0 Pole-joint power/Tel.
+60.93, 36.5 Bench mark
+61.59, 30.0 Anchor for guy rope
+61.59, 29.0 Anchor for guy rope
+62.97, 24.4 Tree deciduous
+63.07, 24.1 Flat deciduous
+63.14, 30.8 Anchor for guy rope
+63.74, 29.0 Pull box (single box)
+66.97, 27.4 Rebar
+70.19, 28.3 Water shutoff

+02.75, 16.2 Sign-single post
+05.62, 44.6 Tree deciduous

+76.29, 68.1 Tree coniferous

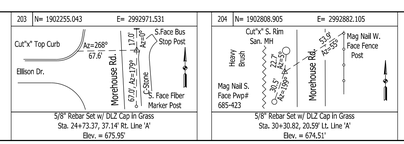
+36.54, 30.3 Tree deciduous

+62.20, 26.4 Tree deciduous
+66.10, 25.6 Post
+66.14, 25.7 Post
+66.95, 23.8 Pole-joint-Tel.
+74.91, 25.1 Post
+75.39, 24.4 Post
+77.58, 24.1 Water shutoff
+78.91, 27.4 Tree deciduous
+80.49, 29.9 Pole-joint power/Tel.
+82.35, 31.9 Pull box (single box)
+85.86, 24.4 Post
+86.66, 24.6 Rebar-Tel
+89.60, 31.7 Meter-water

All R/W Described From Line 'PR-A', All Topography Described From Line 'A'.
Line 'PR-A' to Be Constructed

LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III



DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JHT	02/2020	DRAWN: DPH 02/2020
CHECKED: DSB	02/2020	CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 22
CONTRACT	PROJECT
R-37909	1401280

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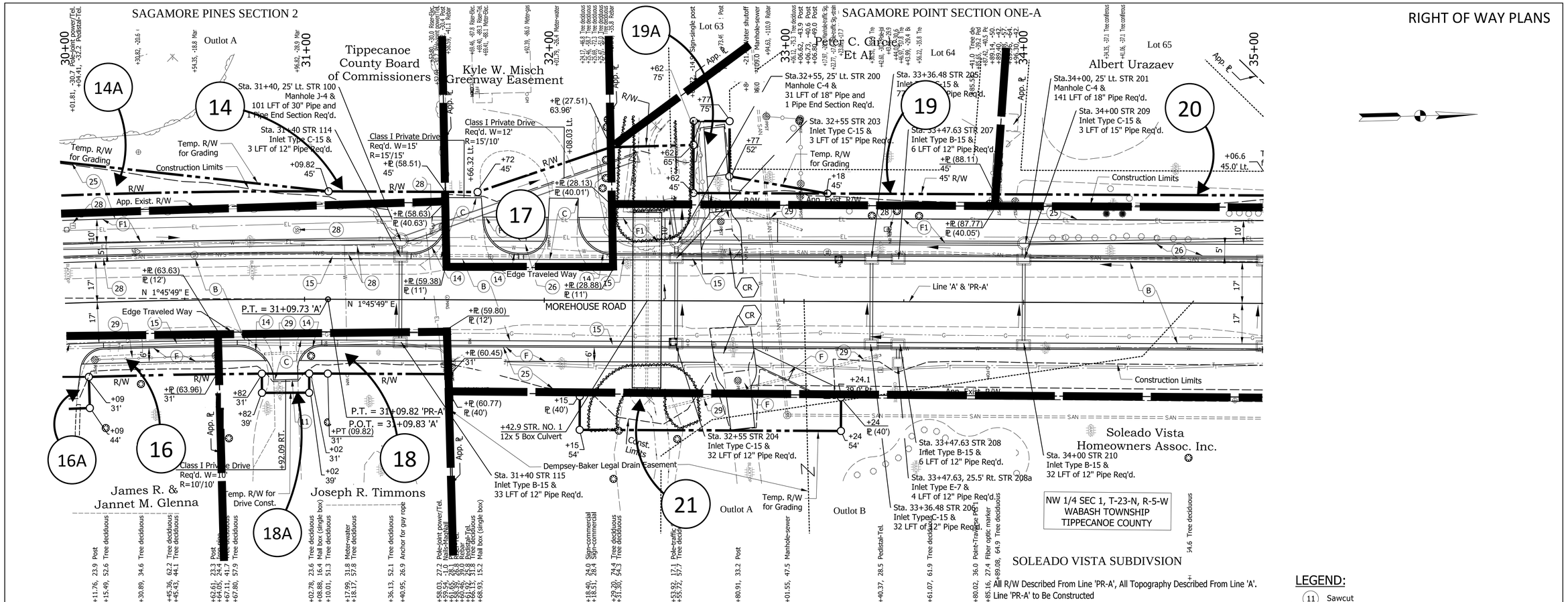
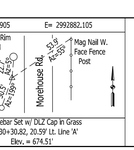
RIGHT OF WAY PLANS



LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type 1B
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal



DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JHT	02/2020	DRAWN: DPH 02/2020
CHECKED: DSB	02/2020	CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 22
CONTRACT	PROJECT
R-37909	1401280

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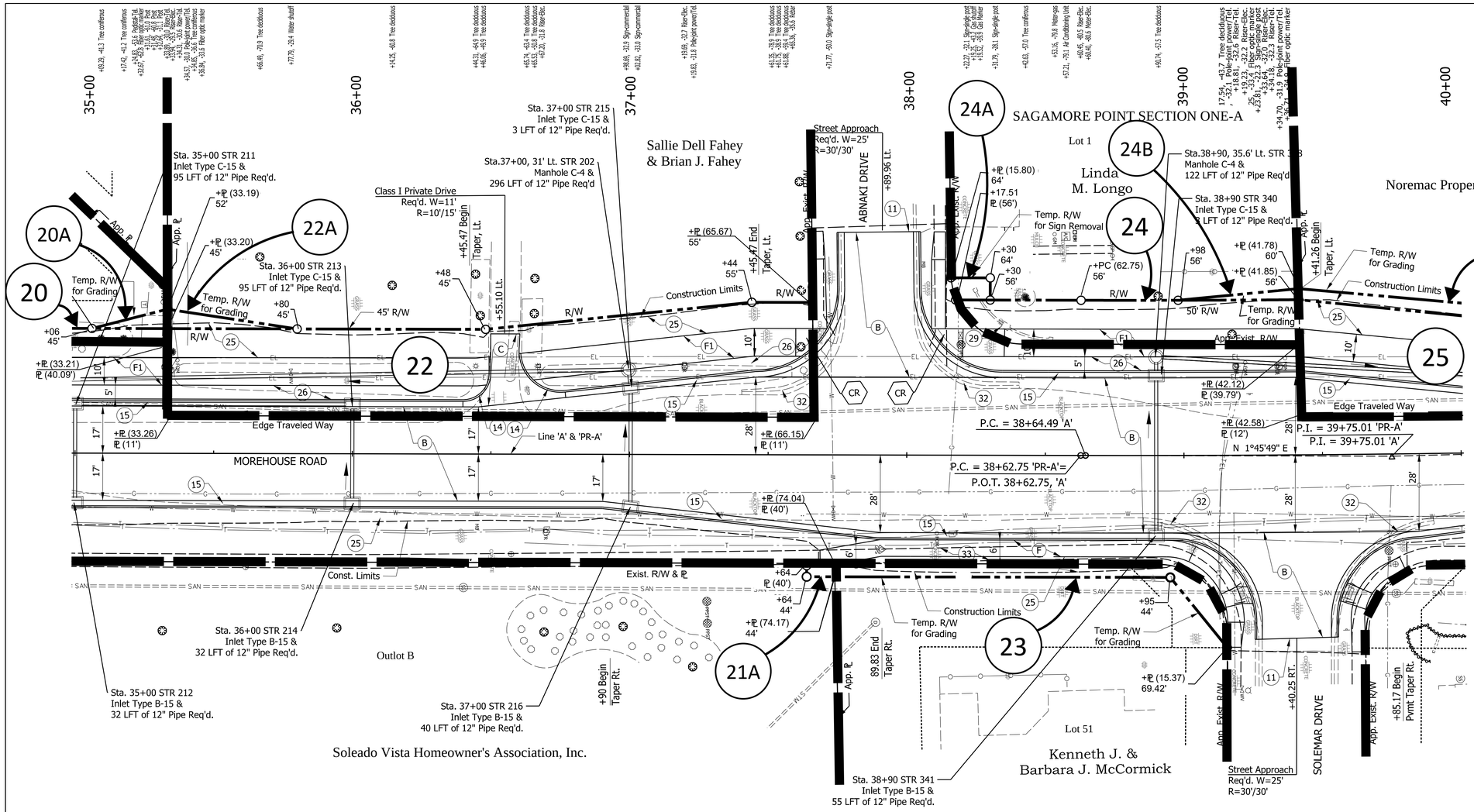
RIGHT OF WAY PLANS



LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (29) Remove
- (32) Curb, Remove
- (33) Sldewalk, Remove
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal

PI = 39+75.01 'PRA'
Delta = 1°36'28" LT
D = 0°42'58"
R = 8000.00'
T = 112.26'
L = 224.51'
E = 0.79'

PI = 39+75.01 'A'
Delta = 1°36'28" LT
D = 0°43'39"
R = 7875.61'
T = 110.51'
L = 221.01'
E = 0.78'

NW 1/4 SEC 1, T-23-N, R-5-W
WABASH TOWNSHIP
TIPPECANOE COUNTY

+31.59, 64.0 Tree deciduous
+94.56, 62.9 Tree deciduous
+40.19, 48.2 Manhole-sewer
+69.31, 64.2 Tree deciduous
+69.76, 27.7 Riser-Tel.
+70.34, 29.4 Gas Marker
+70.39, 27.3 Pedistal-Tel.
+97.83, 62.1 Tree deciduous
+22.96, 76.6 Tree deciduous
+28.01, 53.0 Sign-commercial
+28.01, 53.0 Post
+28.23, 60.9 Post
+28.24, 60.9 Sign-commercial
+73.55, 19.6 Water shutoff
+88.87, 60.4 Manhole-drainage
+91.06, 34.1 GPS control
+10.95, 28.2 Fiber optic marker
+16.41, 28.4 Pedistal-Tel.
+10.58, 84.4 Water shutoff
+12.59, 84.3 Fire hydrant
+23.51, 95.7 Inlet-curb
+54.96, 59.8 Inlet-curb
+58.05, 63.4 Sign-single post
+73.58, 34.9 Gas Marker
+76.01, 50.3 Manhole-sewer
+89.61, 61.0 Inlet-curb
+98.58, 81.3 Clean Out-sewer

All R/W Described From Line 'PR-A', All Topography Described From Line 'A'.
Line 'PR-A' to Be Constructed

205 N= 1903567.731 E= 2992959.013
Abnaki Dr. Morehouse Rd. S. Face Fiber Marker Post 25.5' Cut"x" S. Rim Sta. MH Az=56° Cut"x" W. Edge Sidewalk Sidewalk
Mag. Nail Set In W. Edge of Sidewalk
Sta. 37+91.08, 34.06' Rt. Line 'A'
Elev. = 678.67

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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

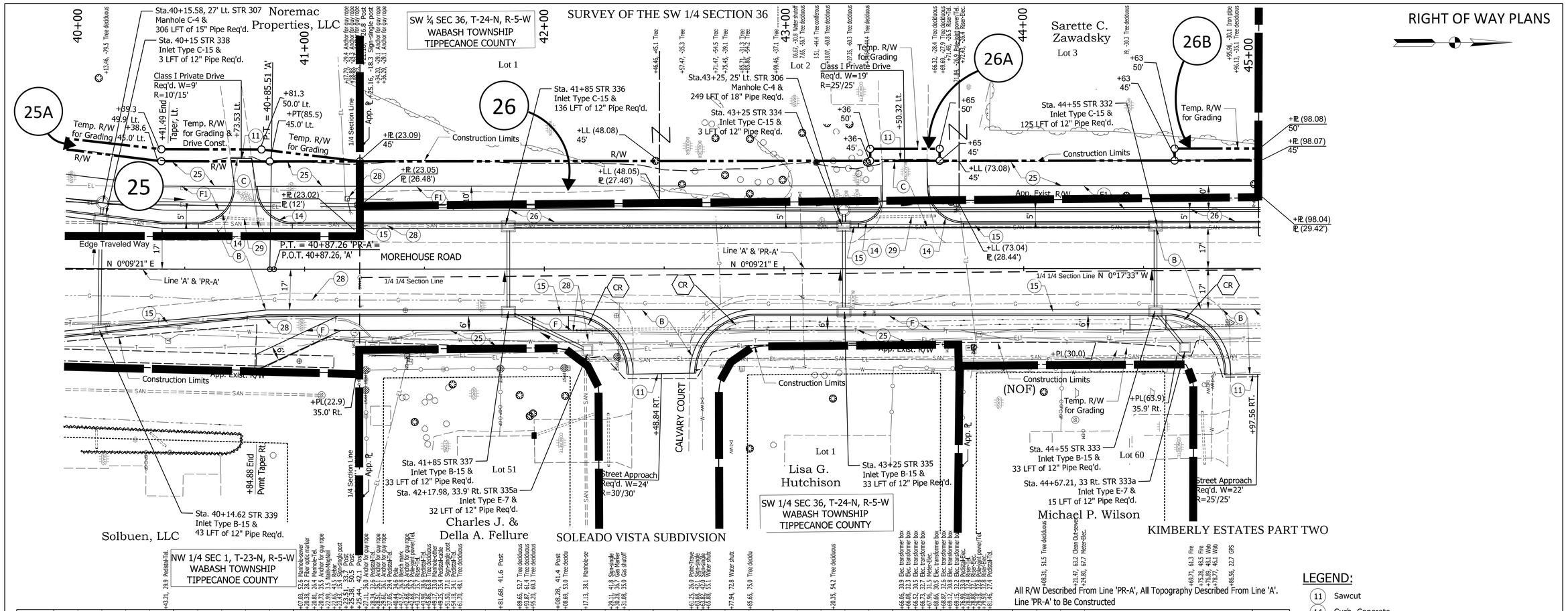
DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020
CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

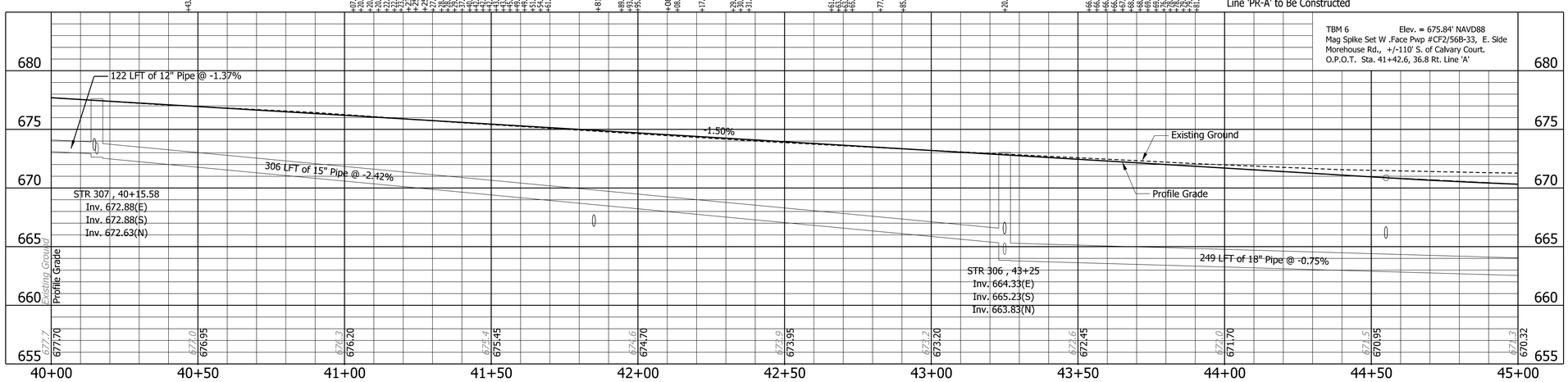
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280

SURVEY BOOK	SHEETS		
ELECTRONIC	16	of	22
CONTRACT	PROJECT		
R-37909	1401280		





LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal

206 N= 1904264.120 E= 2992954.687

1" I.Pipe Prop. Corner Az=280° 53.6'

S.E. Cor. Brick Column

Shiloh Ct.

Morehouse Rd.

N.W. Cor. Brick Column

Mag. Spike Set at S. Edge Shiloh Ct.
Sta. 44+86.56, 22.67' Rt. Line 'A'
Elev. = 670.13'

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 22
CONTRACT	PROJECT
R-37909	1401280

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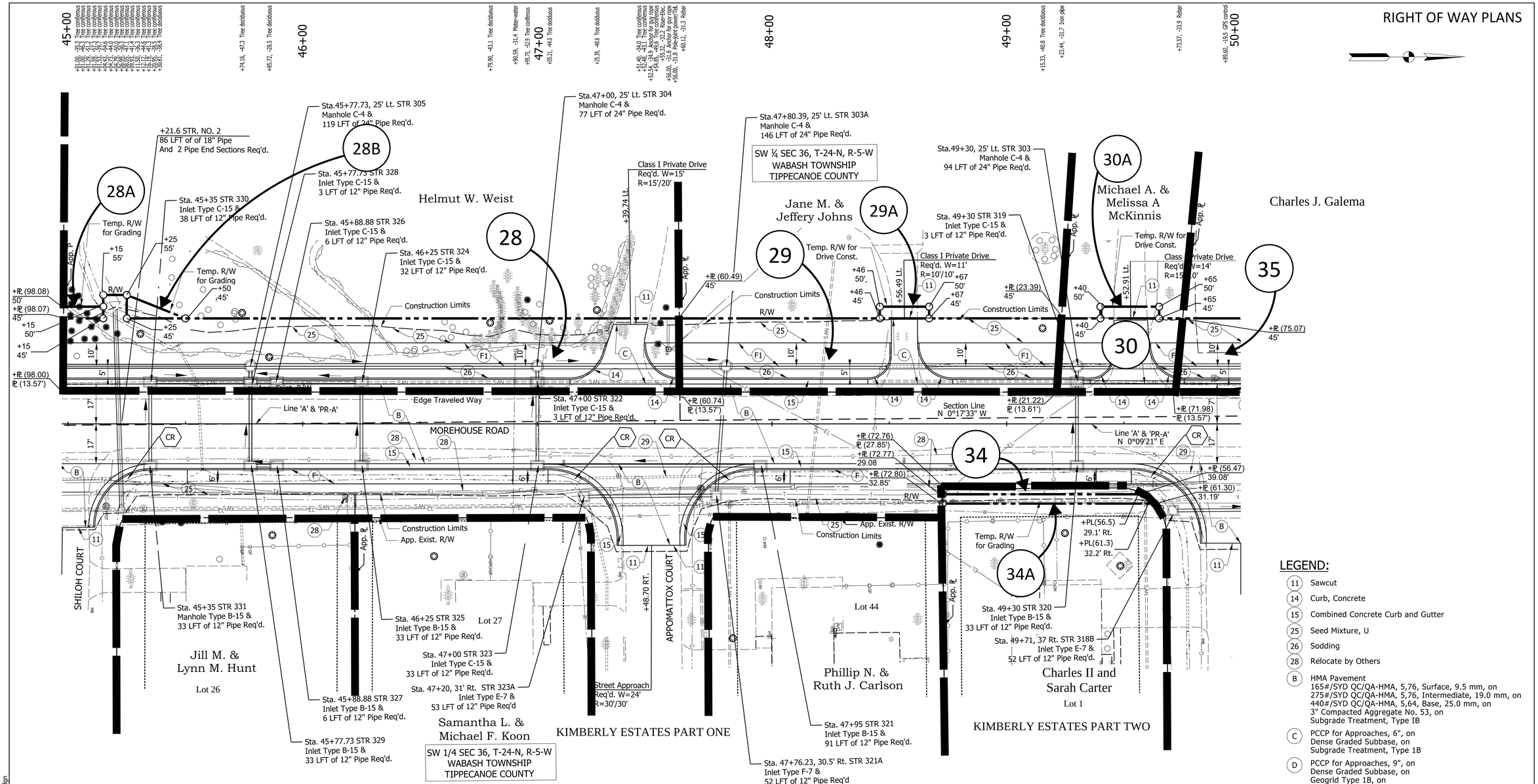
RIGHT OF WAY PLANS



+12.01, 37.2 Sign-single post
+16.24, 35.1 Gas Marker
+32.02, 36.2 Manhole-sewer
+40.07, 41.9 Tree coniferous
+43.09, 29.7 Sign-single post
+48.11, 42.3 Tree coniferous
+87.06, 47.5 Tree deciduous
+18.08, 31.0 Pole-joint power/Tel.
+18.61, 30.7 Riser-Elec.
+22.32, 31.0 Fiber optic marker
+55.98, 56.5 Tree deciduous
+68.46, 64.5 Clean Out-sewer
+98.58, 28.2 Pedistal-Tel.
+17.96, 43.4 Water shutoff
+23.80, 49.7 Iron pipe
+30.86, 40.2 Sign-single post
+64.59, 32.0 Sign-single post
+69.05, 28.9 Gas shutoff
+69.66, 27.5 Gas Marker
+73.72, 49.3 Iron pipe
+81.92, 34.0 Manhole-sewer
+83.29, 91.4 Tree deciduous
+96.91, 48.9 Meter-water
+14.94, 39.4 Clean Out-sewer
+26.90, 87.9 Riser-Elec.
+26.95, 87.8 Meter-Elec.
+28.22, 86.6 Air Conditioning Unit
+45.86, 51.5 Tree coniferous
+71.99, 30.3 Pole-joint power/Tel.
+72.50, 30.8 Riser-Elec.
+72.50, 54.3 Anchor for guy rope
+72.94, 54.0 Anchor for guy rope
+72.94, 54.0 Pole-joint power/Tel.
+73.23, 40.8 Anchor for guy rope
+73.23, 40.8 Anchor for guy rope
+73.37, 40.3 Anchor for guy rope
+76.26, 19.6 Anchor for guy rope
+76.26, 19.6 Sign-single post
+73.62, 28.5 Iron pipe
+15.97, 81.8 Meter-Elec.
+20.61, 67.7 Meter-gas
+24.88, 46.6 Tree deciduous
+48.49, 60.6 Tree deciduous
+59.21, 33.2 Manhole-sewer

All R/W Described From Line 'PR-A', All Topography Described From Line 'A'.
Line 'PR-A' to Be Constructed

LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal

207 N= 1904767.281 E= 2992913.928
Starr Capped Rebar Prop. Corner
Morehouse Rd.
S.W. Cor. Brick Wall
Mason Dixon
N.W. Cor. Brick Wall
Private Drive
5/8" Rebar Set w/ DLZ Cap in Grass
Sta. 49+89.60, 19.46' Lt. Line 'A'
Elev. = 668.63'

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020
CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	-
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 22
CONTRACT	PROJECT
R-37909	1401280

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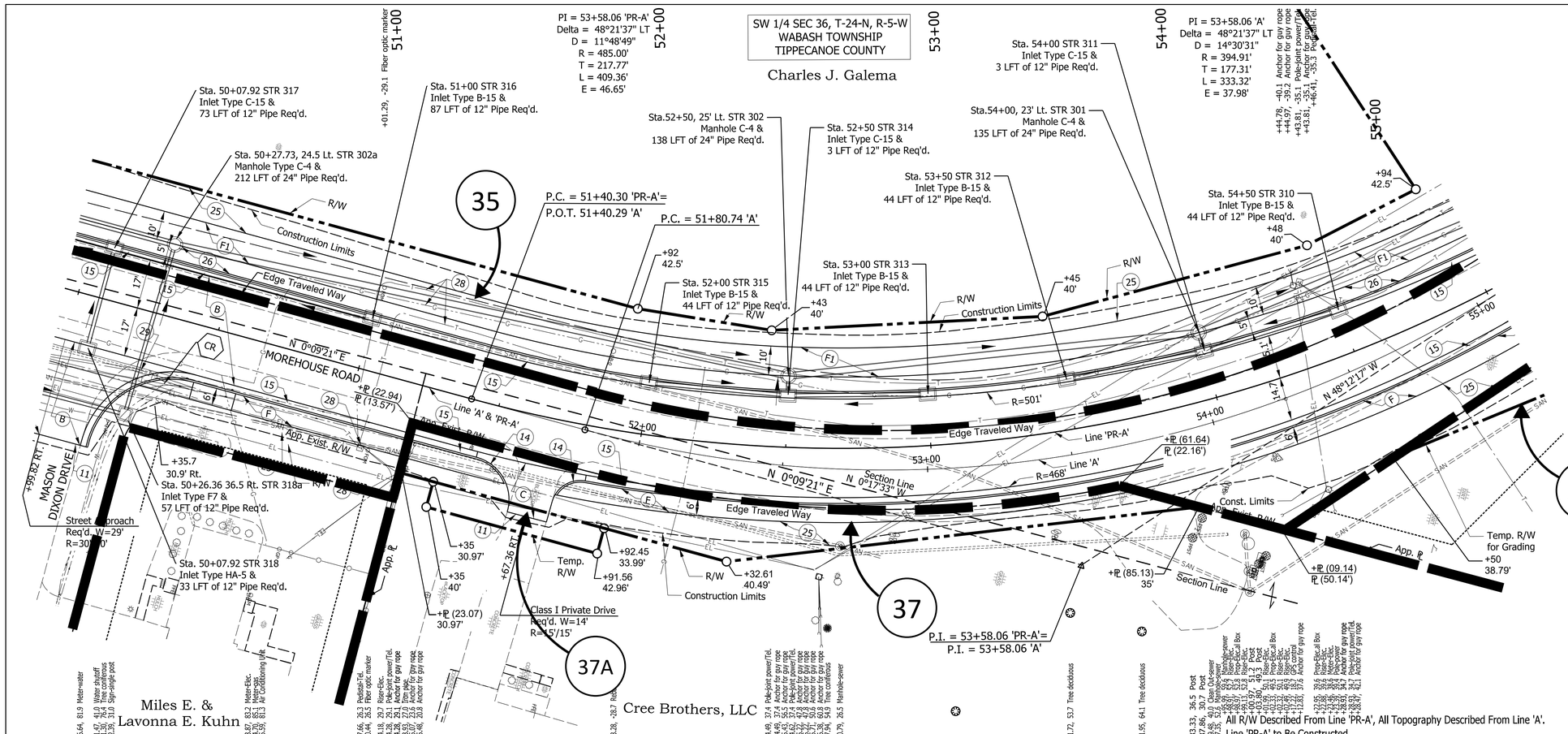
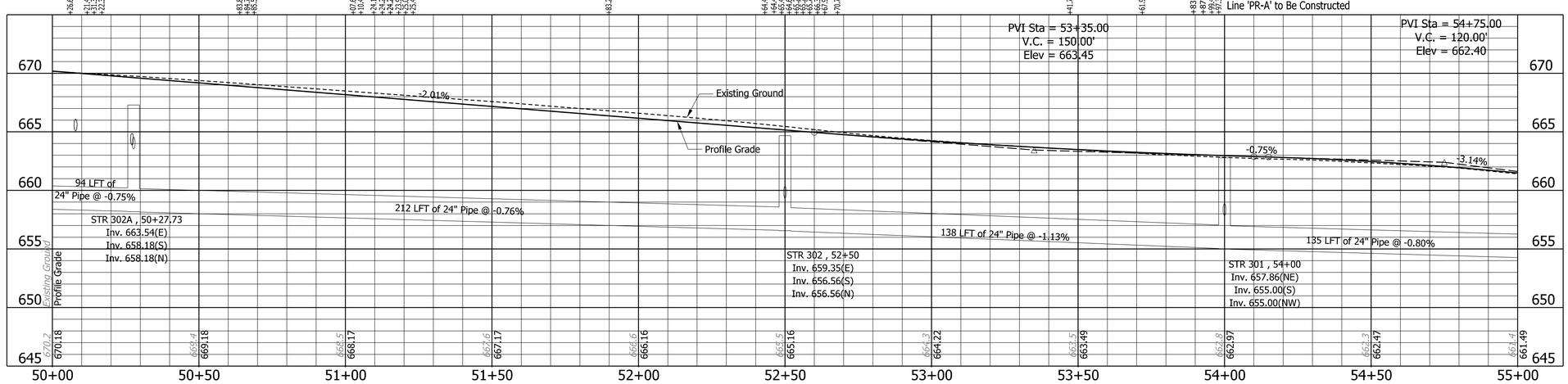
RIGHT OF WAY PLANS

SW 1/4 SEC 36, T-24-N, R-5-W
WABASH TOWNSHIP
TIPPECANOE COUNTY

Charles J. Galema

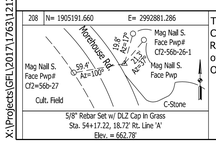




LEGEND:

- (11) Sawcut
- (14) Curb, Concrete
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (28) Relocate by Others
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III
- (CR) Concrete Curb Ramp
  Details to Be Provided At Future Submittal

208 N= 1905191.660 E= 2992881.286



TBM 8 Elev. = 657.67' NAVD88
Cut "X" Centerline Top of 36" RCP, E. Side Morehouse Rd., +/-150' S.E. of Morehouse Ct. and +/-75' N.E. of the Centerline of Morehouse Rd.
O.P.O.C. Sta. 55+00.8, 82.1' Rt. Line 'A'

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT	02/2020	DRAWN: DPH	02/2020
CHECKED: DSB	02/2020	CHECKED: JHT	02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

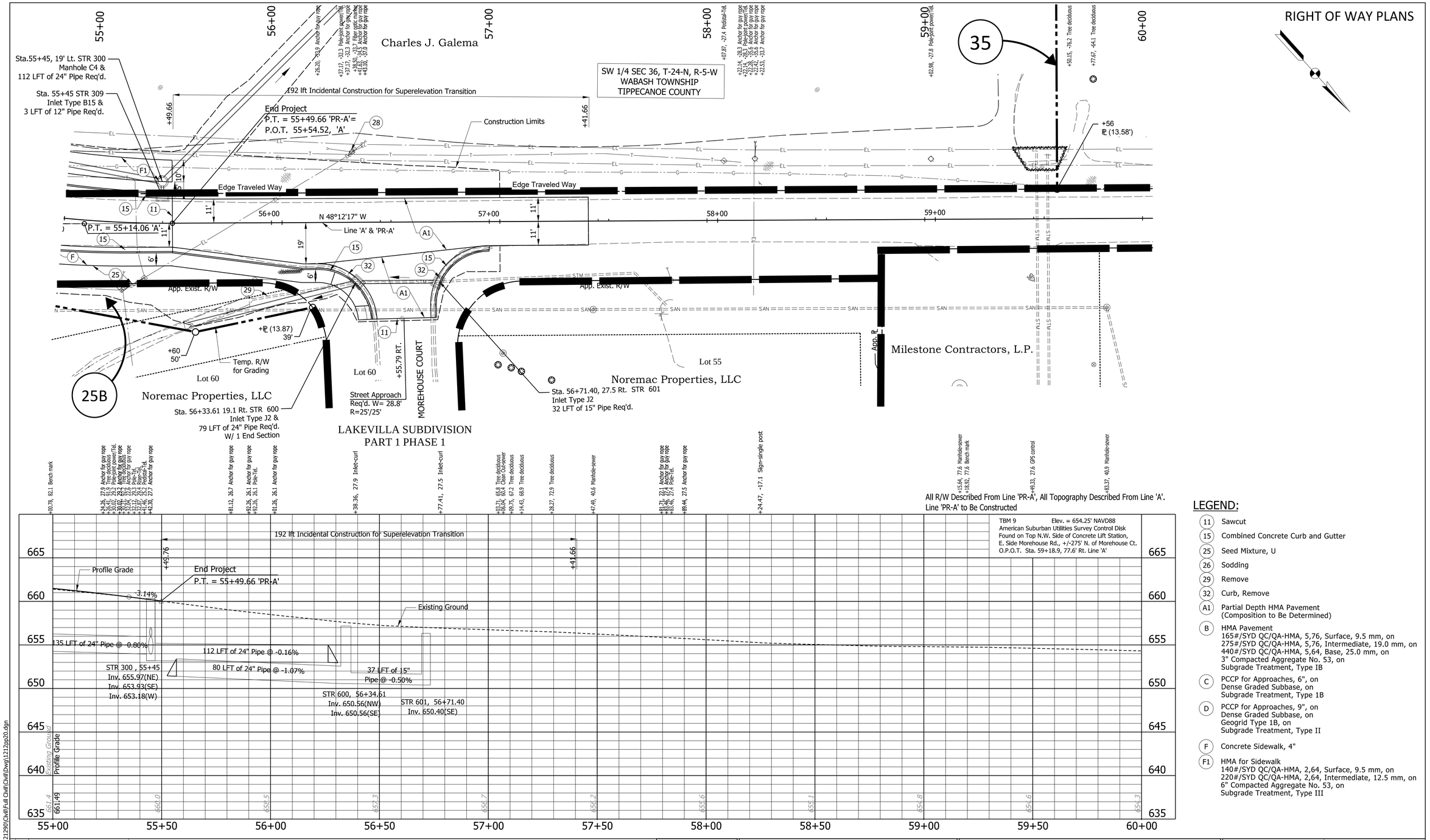
PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280

SURVEY BOOK	SHEETS
ELECTRONIC	19 of 22
CONTRACT	PROJECT
R-37909	1401280

X:\Projects\GFL\2017\1763\121290\Civil\Full Civil\Civil\Dwg\1212pp19.dgn

RIGHT OF WAY PLANS



LEGEND:

- (11) Sawcut
- (15) Combined Concrete Curb and Gutter
- (25) Seed Mixture, U
- (26) Sodding
- (29) Remove
- (32) Curb, Remove
- (A1) Partial Depth HMA Pavement (Composition to Be Determined)
- (B) HMA Pavement
  165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on
  440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (C) PCCP for Approaches, 6", on
  Dense Graded Subbase, on
  Subgrade Treatment, Type 1B
- (D) PCCP for Approaches, 9", on
  Dense Graded Subbase, on
  Geogrid Type 1B, on
  Subgrade Treatment, Type II
- (F) Concrete Sidewalk, 4"
- (F1) HMA for Sidewalk
  140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on
  220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type III

209 N= 1905564.514 E= 2992496.073

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DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-A"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 22
CONTRACT	PROJECT
R-37909	1401280

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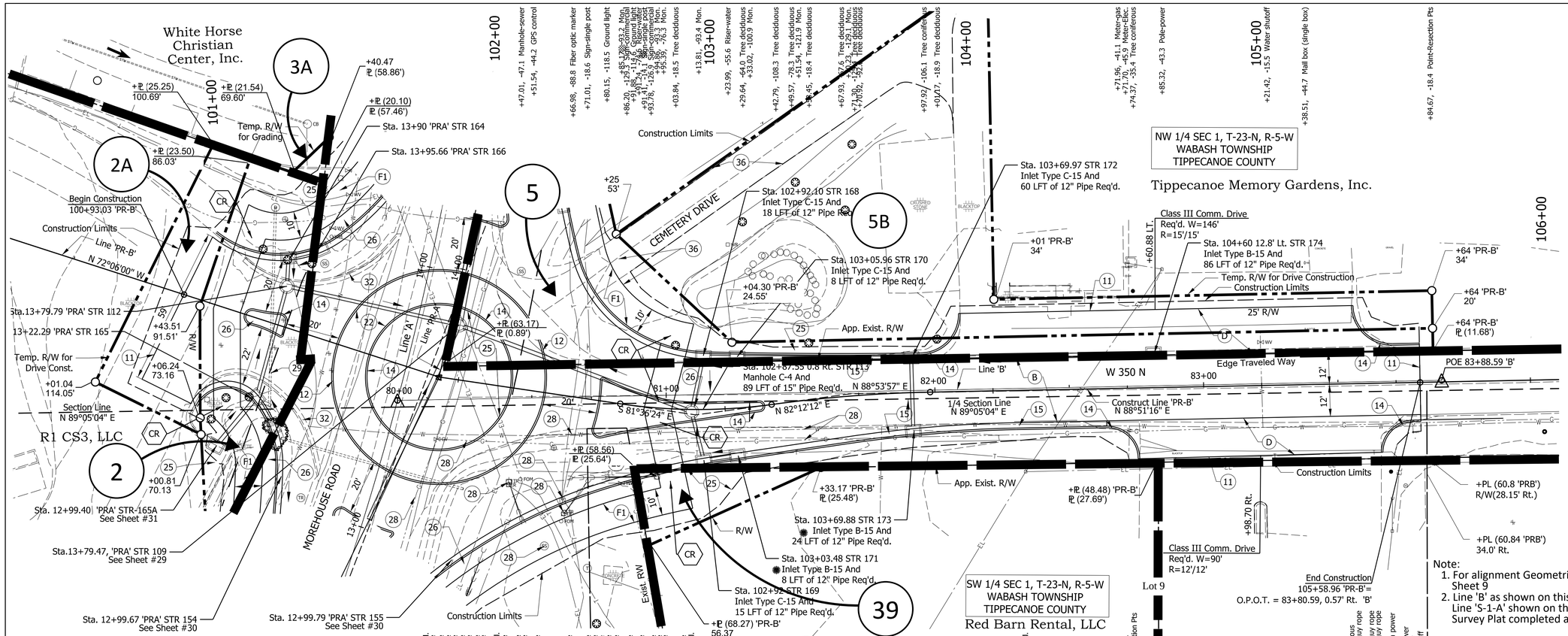
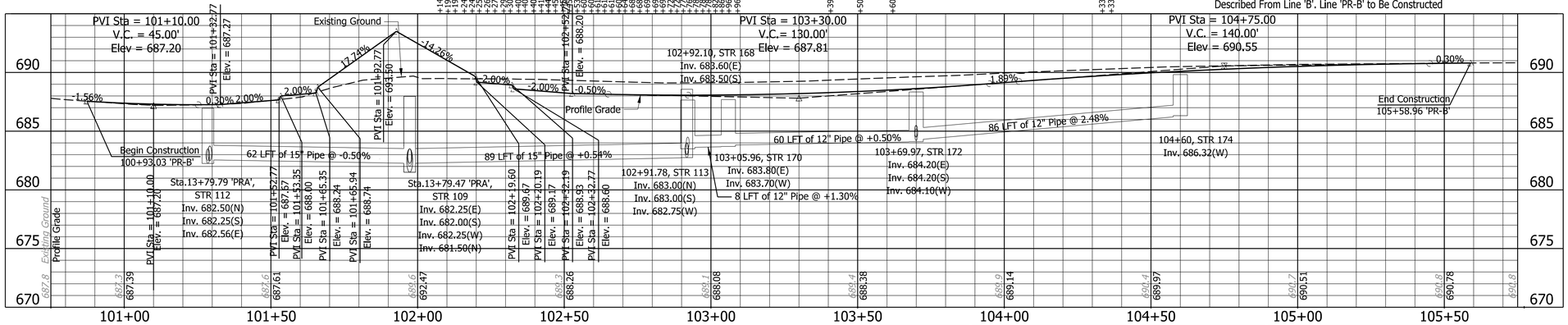
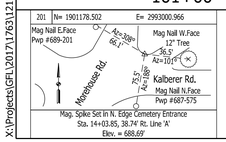
RIGHT OF WAY PLANS





Symbol	Description
11	Sawcut
12	Curb, Concrete Type 'B' (Modified)
14	Curb, Concrete
15	Combined Concrete Curb and Gutter
22	9" PCCP, on 5" Compated, Agg No. 53, on Subgrade Treatment IB
25	Seed Mixture, U
26	Sodding
32	Curb, Remove
36	Pavement, Remove
B	HMA Pavement 165#/SYD QC/QA-HMA, 5,76, Surface, 9.5 mm, on 275#/SYD QC/QA-HMA, 5,76, Intermediate, 19.0 mm, on 440#/SYD QC/QA-HMA, 5,64, Base, 25.0 mm, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type IB
C	PCCP for Approaches, 6", on Dense Graded Subbase, on Subgrade Treatment, Type 1B
D	PCCP for Approaches, 9", on Dense Graded Subbase, on Geogrid Type 1B, on Subgrade Treatment, Type II
F	Concrete Sidewalk, 4"
F1	HMA for Sidewalk 140#/SYD QC/QA-HMA, 2,64, Surface, 9.5 mm, on 220#/SYD QC/QA-HMA, 2,64, Intermediate, 12.5 mm, on



TBM 1 Elev. = 690.02' NAVD88
Cut "X" Top N.E. Side Concrete Light Pole Base
Located Just South of The S.E. Edge of Marathon
Gas Station Parking Lot in Line With Gas Pump Canopy.
O.P.O.C. Sta. 11+22.8, 107.9' Lt. Line 'A'

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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020
CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "PR-B"

SCALE	ROAD PROJECT
1" = 20'	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 22
CONTRACT	PROJECT
R-37909	1401280

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PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	HMA FOR SIDEWALK		Concrete sidewalk	PCCP FOR APPROACHES		EXCAVATION		HMA FOR ROADWAY PAVEMENT			ASPHALT FOR TACK COAT	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	PCCP COLORED AND STAMPED		COMPACTED AGGREGATE FOR BASE NO. 53			SUBGRADE TREATMENT, TYPE IB	SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE III	DENSE GRADED SUBBASE	REMARKS
					QC/QA-HMA, 2,64, Surface	QC/QA-HMA, 2,64, Intermediate						QC/QA-HMA, 5,76, Surface	QC/QA-HMA, 5,76, Intermediate	QC/QA-HMA, 5,64, Base					DEPTH		DEPTH							
					9.5 mm	12.5 mm						9.5 mm	19.0 mm	25.00 mm														
		'W'	'L'	'R'	140#/SYD	220#/SYD	4"	6"	9"	CUT	FILL	165#/SYD	275#/SYD	440#/SYD					7"	9"	3"	5"	6"					
		FEET	FEET	FEET	TONS	TONS	SYS	SYS	SYS	CYS	CYS	TONS	TONS	TONS	TONS	LFT	LFT	LFT	SYS	SYS	CYS	CYS	CYS	SYS	SYS	SYS	SYS	
Morehouse Road																												
LINE "PR-A"										6,676	10,023	1381	2348	3485	8	3817	3817	3817			4500			20232				
W 350 N																												
LINE "PR-B" and Roundabout										1,203	723	432	720	1152	3	574	574	574		307	1198	124		6150				
Sidewalk					342	536	2436								1								2436		5116			
DRIVES																												
LINE "PR-A"																												
12+12, Rt.	Class III Commercial Drive	27'	28	25/25					121																	128	128	
15+72, Lt.	Class III Commercial Drive	42'	17	15/15					98																	103	103	
18+31, Rt.	Class III Commercial Drive	14	24	15/15					67																	71	71	
18+43, Lt.	Class III Commercial Drive	57	25	15/15					145																	152	152	
20+33, Rt.	Class III Commercial Drive	15'	26	15/15					73																	76	76	
21+18, Lt.	Class III Commercial Drive	24	29	20/20					105																	111	111	
23+05, Rt.	Class III Commercial Drive	18.0	16	20/15					52																	54	54	
24+32, Lt.	Street Approach	25.0	47	15/15								18	30	48							56			241				Ellson Drive
27+47, Rt.	Class I Private Drive	11	22	15/15				40																		42	42	
28+61, Rt.	Class I Private Drive	12	15	10/10.				32																		34	34	
29+94, Rt.	Class I Priave Drive	20	22	10/10.				53																		55	55	
30+92, Rt.	Class I Private drive	10	17	10/10.				32																		33	33	
31+66, Lt.	Class I Private Drive	15'	26	15/15				60																		63	63	
32+08, Lt.	Class I Private Drive	12'	26	15/10				48																		51	51	
36+55, Lt.	Class I Private Drive	11	25	10/15.				43																		45	45	
37+90, Lt.	Street Approach	25	32	30/30								16	27	45							53			229				Abnaki Drive
39+40, Rt.	Street Approach	25	38	30/30								13	22	35							40			171				Solemar Drive
40+74, Lt.	Class I Private Drive	9	29	10/15.				47																		49	49	
42+49, Rt.	Street Approach	24	27	30/30								9	15	24							27			110				Calvary Court
43+50. Lt.	Class I Private Drive	19	28	25/25				71																		74	74	
44+98, Rt.	Street Approah	22	27	25/25								9	15	24							26			109				Shiloh Court
47+40, Lt.	Class I Private Drive	15'	26	15/20				63																		66	66	
47+49, Rt.	Street Approach	24	35	30/30								13	21	33							36			155				Appomattox Court
48+56, Lt.	Class I Private Drive	11'	28	10/10.				48																		50	50	
49+53, Lt.	Class I Private Drive	14'	27	15/10				59																		62	62	
50+00, Rt.	Street Approach	29	34	30/30								14	23	36							40			169				Mason Dixon Drive
51+67, Rt.	Class I Private Drive	14'	18	15/15				41																		44	44	
DRIVES																												
LINE "PR-B"																												
104+61, Lt.	Class III Commercial Drive	146'	17	15/15					293																	307	307	
104+99, Rt.	Class III Commercial Drive	90'	17	12/12					187																	196	196	
TOTAL					342	536	2436	636	1141	7879	10746	1905	3221	4882	12	4391	4391	4391	0	307	5976	124	2436	27565	5116	1866	1866	

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DESIGN ENGINEER DATE

DESIGNED: JHT 02/2020 DRAWN: DPH 02/2020

CHECKED: DSB 02/2020 CHECKED: JHT 02/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

APPROACH TABLE

SCALE	ROAD PROJECT
NONE	--
	DESIGNATION
	1401280
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 22
CONTRACT	PROJECT
R-37909	1401280