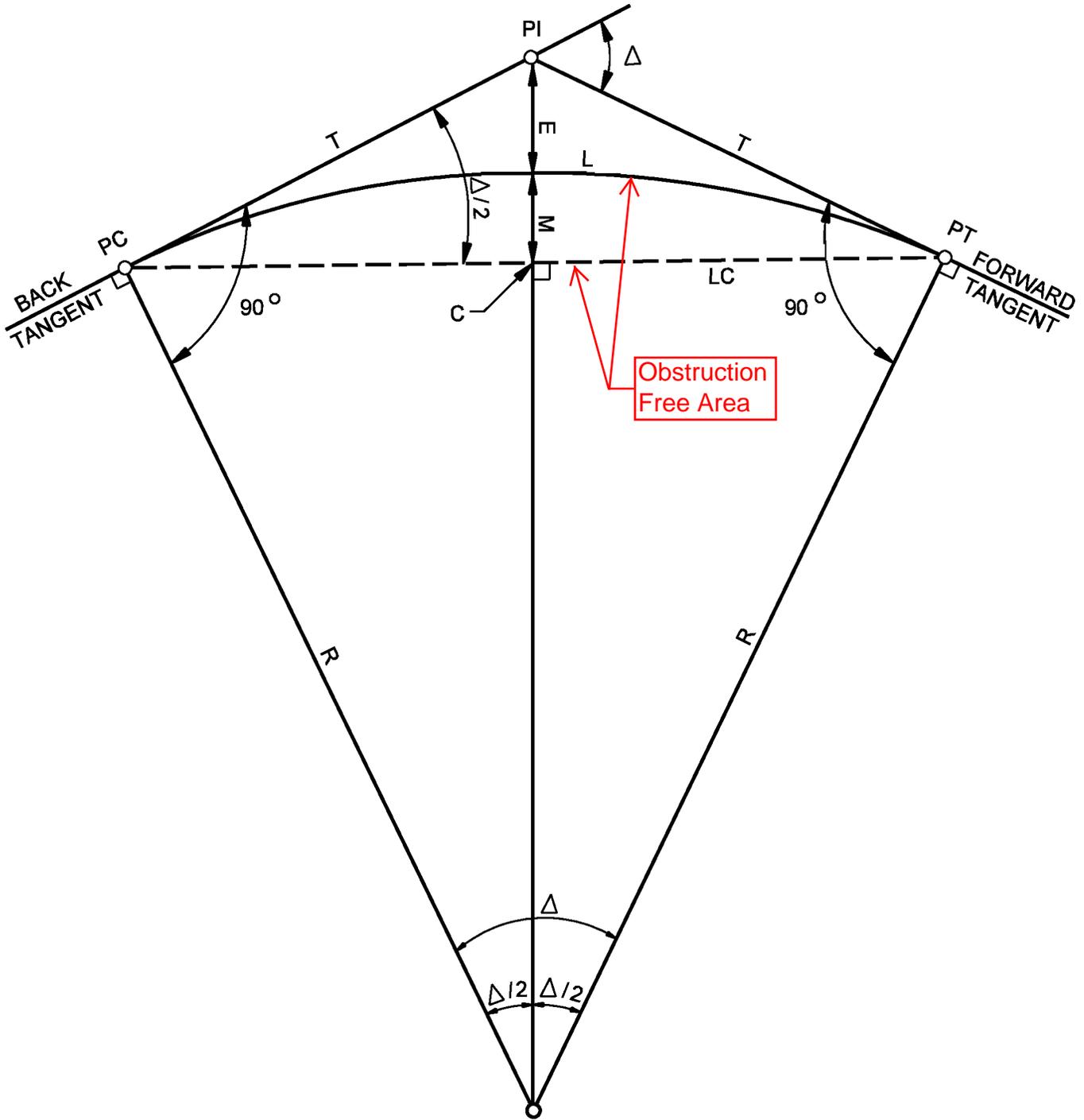


Map data ©2018 Google 1000 ft

Vicinity Map



SIMPLE CURVE COMPUTATION

Figure 43-6C



Topography Map



Picture 1: Shady Lane Looking East from Dayton Road Entrance



Picture 2: Shady Lane Looking North from the South Curve



Picture 3: Shady Lane Looking South Entering North Curve



Picture 4: Shading Lane Looking West towards North Curve



Picture 5: Shady Lane Pavement Distresses: Potholes, Raveling and Longitudinal Cracking



Picture 6: Shady Lane Pavement Distresses: Potholes and Raveling



Picture 7: Shady Lane Sight Distance Blocked Looking Northeasterly



Picture 8: Shady Lane Sight Distance Blocked Looking Northeast



Picture 9: Shady Lane Sight Distance Blocked Looking Southwest



Picture 10: Shady Lane Sight Distance on Dayton Road Good Looking North at Shady Lane Intersection



Picture 11: Shady Lane Looking Northeast from Midpoint to First Curve (Alt. 1.2 Connection)



Picture 12: Shady Lane Looking East from Proposed Dayton Road Intersection (Alt. 1.3)



Picture 13: Shady Lane Looking South Where Shady Lane Turns South



Picture 14: Shady Lane Looking Southwest from Dead End of Shady Lane (Alt. 2.2)



Picture 15: Shady Lane Looking South from Dead End of Shady Land (Alt. 2.2)



Picture 16: Shady Lane Looking South at End of Pavement (Alt. 2.2 and 2.3)



Picture 17: Looking Southerly towards Wesleyan Drive (Alt. 2.3)



Picture 18: Looking South towards Wesleyan Drive (Alt. 2.3)



Picture 19: Looking North towards Shady Lane Dead End (Alt. 2.3)



Picture 20: Looking West from Wesleyan Drive Dead End



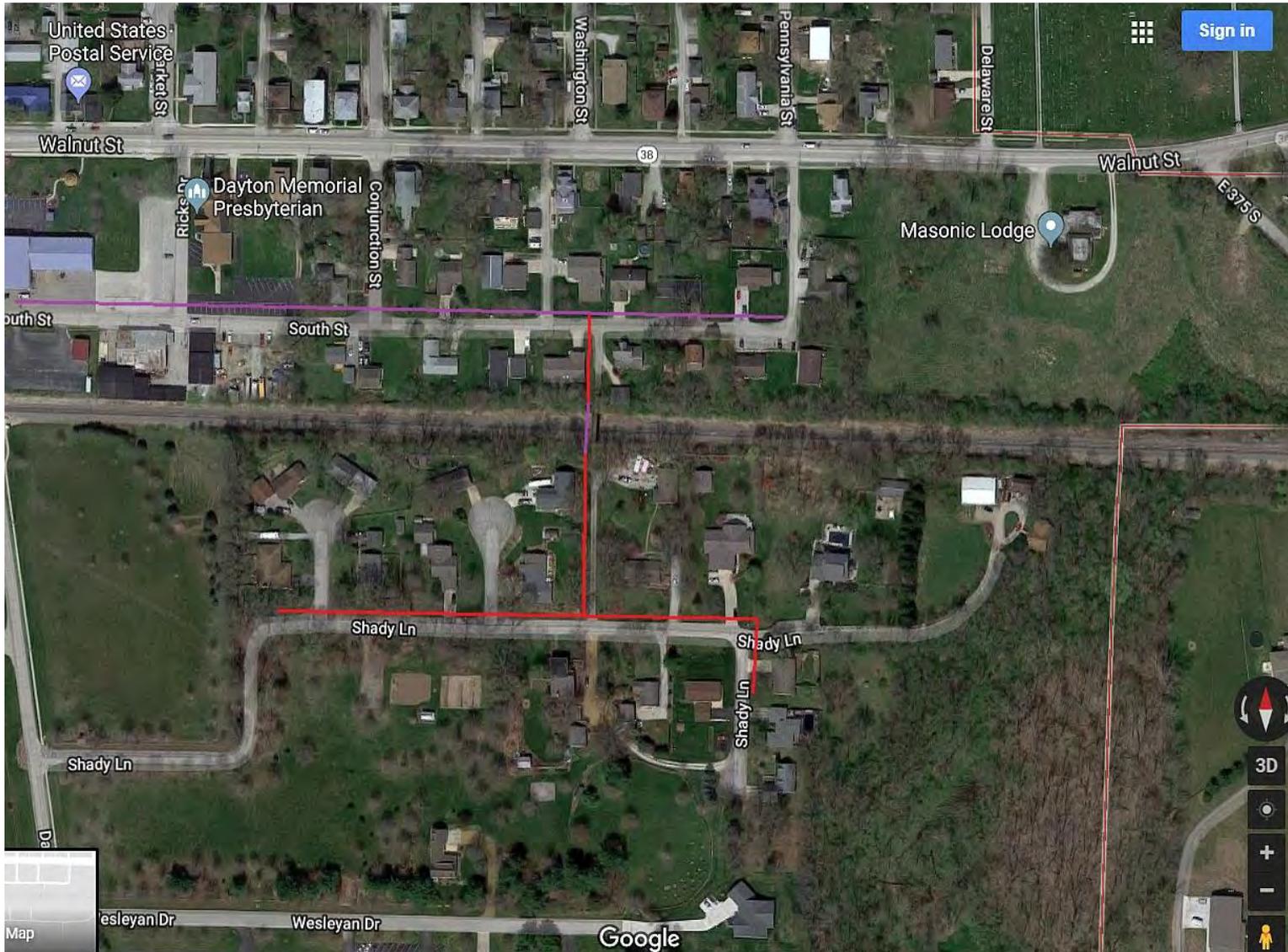
Picture 21: Looking Northeast from Wesleyan Drive Dead End (Alt. 2.2 & 2.3)



Picture 22: Looking Easterly from Wesleyan Drive Dead End (Alt. 2.2 and 2.3)

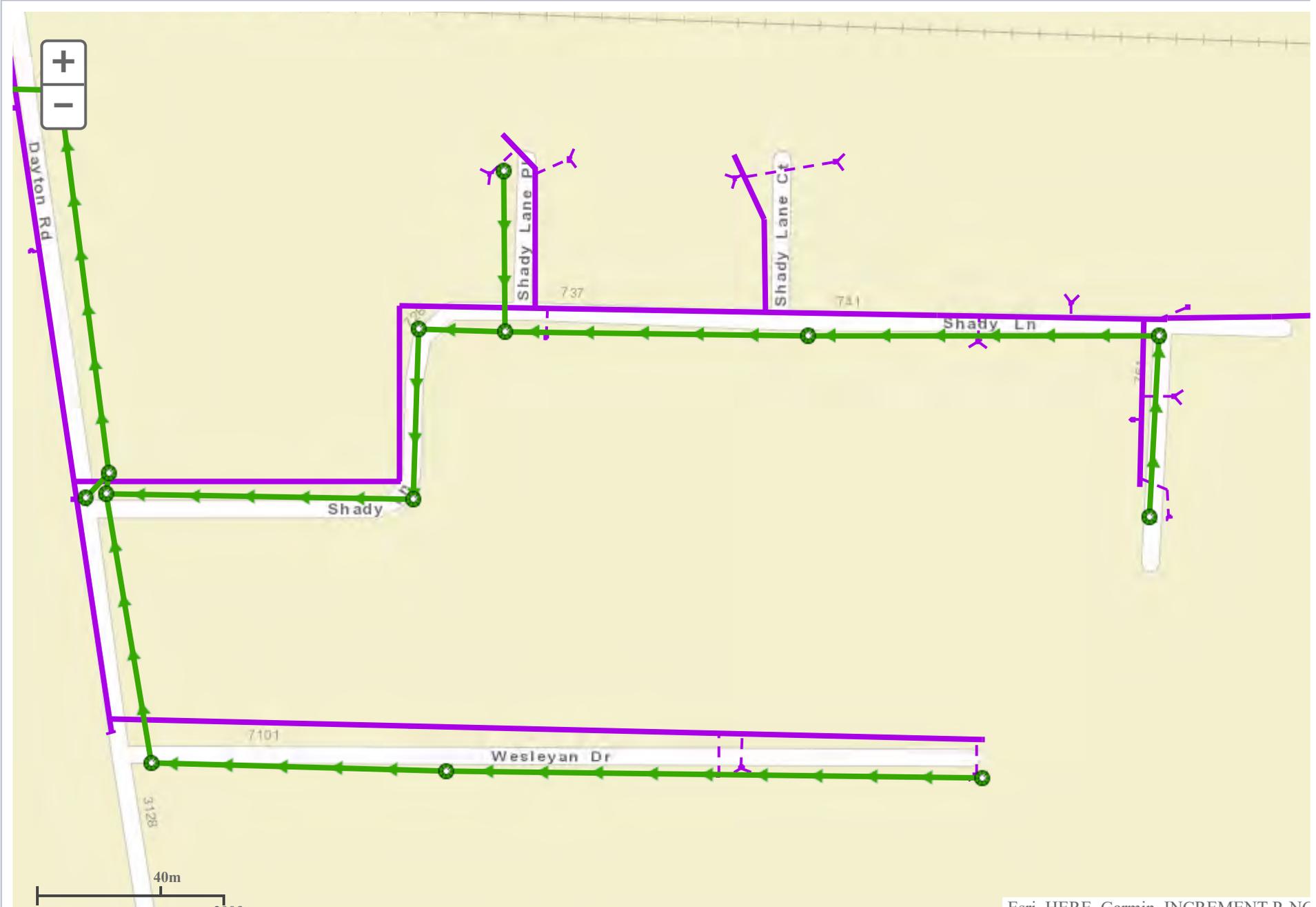


Picture 23: Looking Westerly towards Wesleyan Drive Dead End (Alt. 2.2 and 2.3)



Frontier Communication Map

Utilities



Esri, HERE, Garmin, INCREMENT P, NOAA

Water and Sanitary Sewer Map

Legend

Sanitary Manhole



Sanitary Pipe



Sanitary Flow Arrows

Sanitary Pipe Arrows



Water Main



Water Svc Lateral



Water and Sanitary Sewer



Date: July 2, 2018

Duke Energy NOI Response Form

A. INDOT/LPA Project Information

- (1) Des No. NA
- (2) Route Number: Shady Lane
- (3) Location: Shady Lane to Wesleyan Drive, Shady Lane to Dayton Road and South Street to Adams Road., Dayton, IN
- (4) Work Type: Road Reconstruction

B. Utility Designated Contact - Information

- (1) Primary contact person: Connie Maus
- (2) Office telephone: 765-454-6180
- (3) Email address: connie.maus@duke-energy.com
- (4) Secondary contact person: Cindy Rowland
- (5) Office telephone: 317-776-5341
- (6) Email address: cindy.rowland@duke-energy.com
- (7) Agency name: Duke Energy
- (8) Address: 1619 W Deffenbaugh Street
- (9) City, State, Zip Code: Kokomo, IN 46902

C. By signing here, the Utility has determined to the best of their ability that they do not have facilities within the project area:

_____ : _____

D. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area and the facilities are not in conflict with the project based upon the plans received on:

_____ : _____

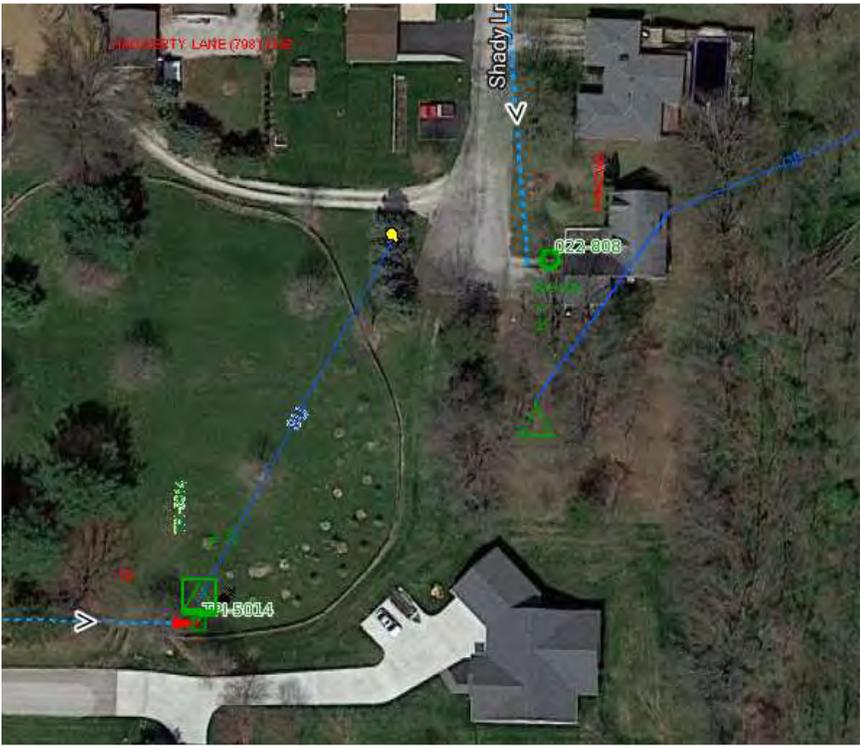
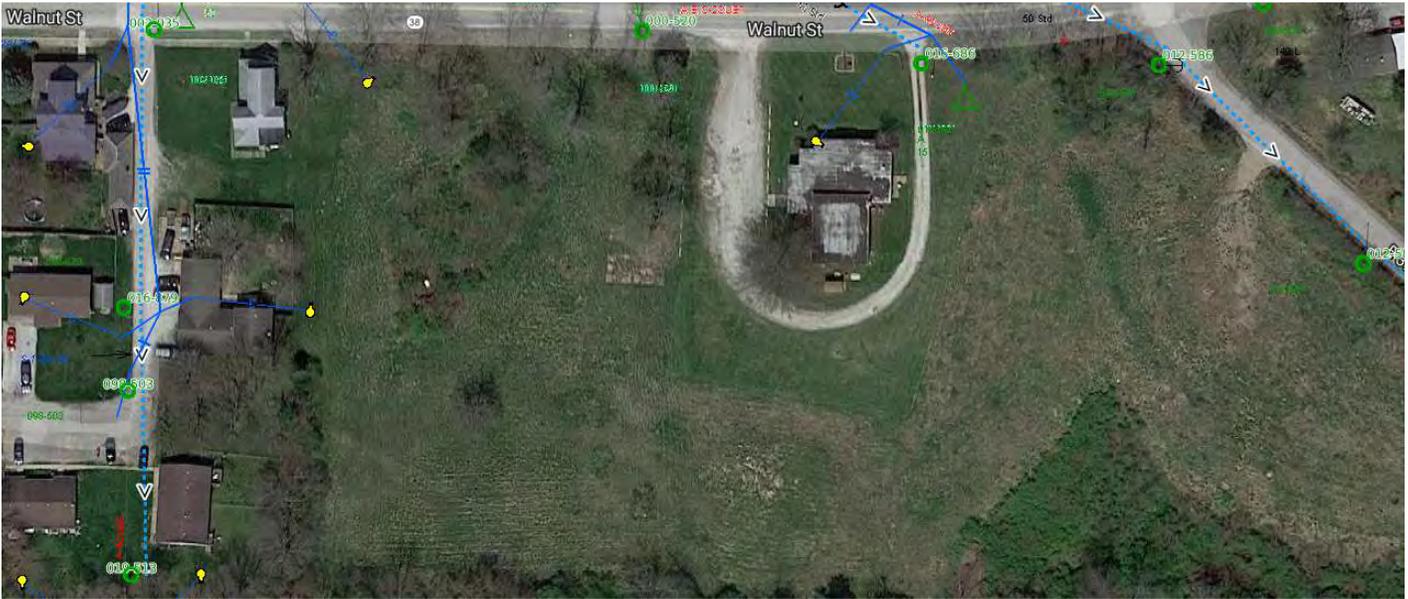
E. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area and the facilities are in conflict with the project based upon the plans received on:

7/2/2018 : Frank Hancock

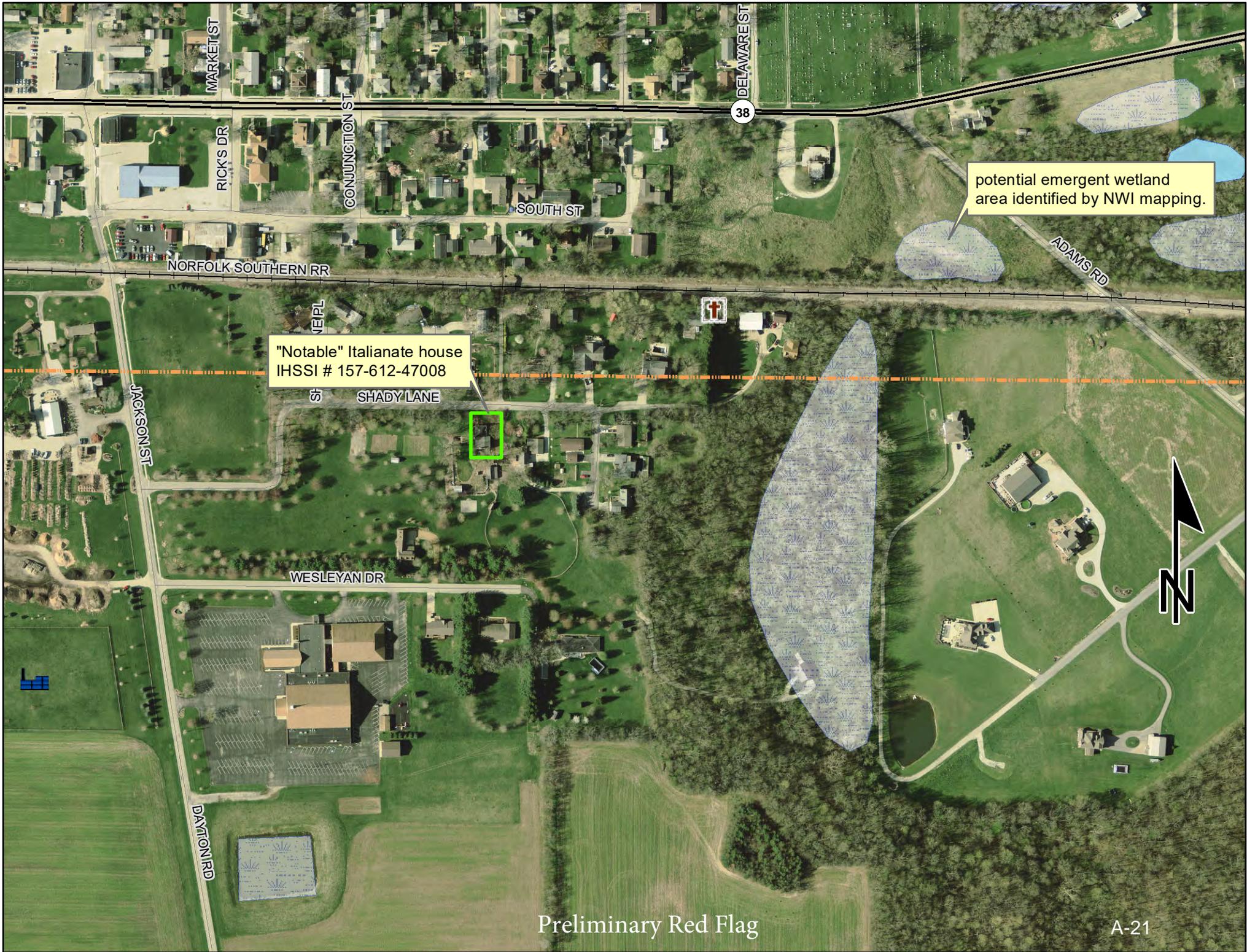
F. Project Notes:

Duke Energy does have OH facilities within the project limits. See the attach map of the area.

Attach EGIS Screenshot here:



Please note the above referenced drawing is not to scale and the equipment shown has not been field verified for accuracy. This is only to be used for ensuring locates and surveys are more accurate during the Conflict Analysis / Verification of Facilities phase.



MARKET ST

RICK'S DR

CONJUNCTION ST

SOUTH ST

DELAWARE ST

38

NORFOLK SOUTHERN RR

ADAMS RD

"Notable" Italianate house
IHSSI # 157-612-47008

SHADY LANE

JACKSON ST

WESLEYAN DR

DAYTON RD

potential emergent wetland
area identified by NWI mapping.

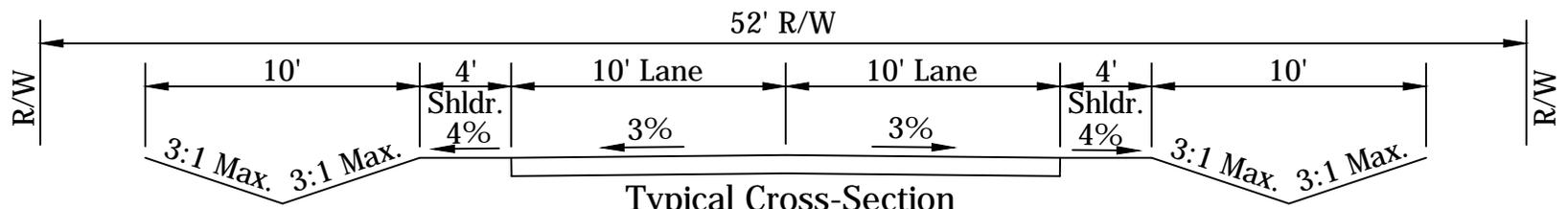
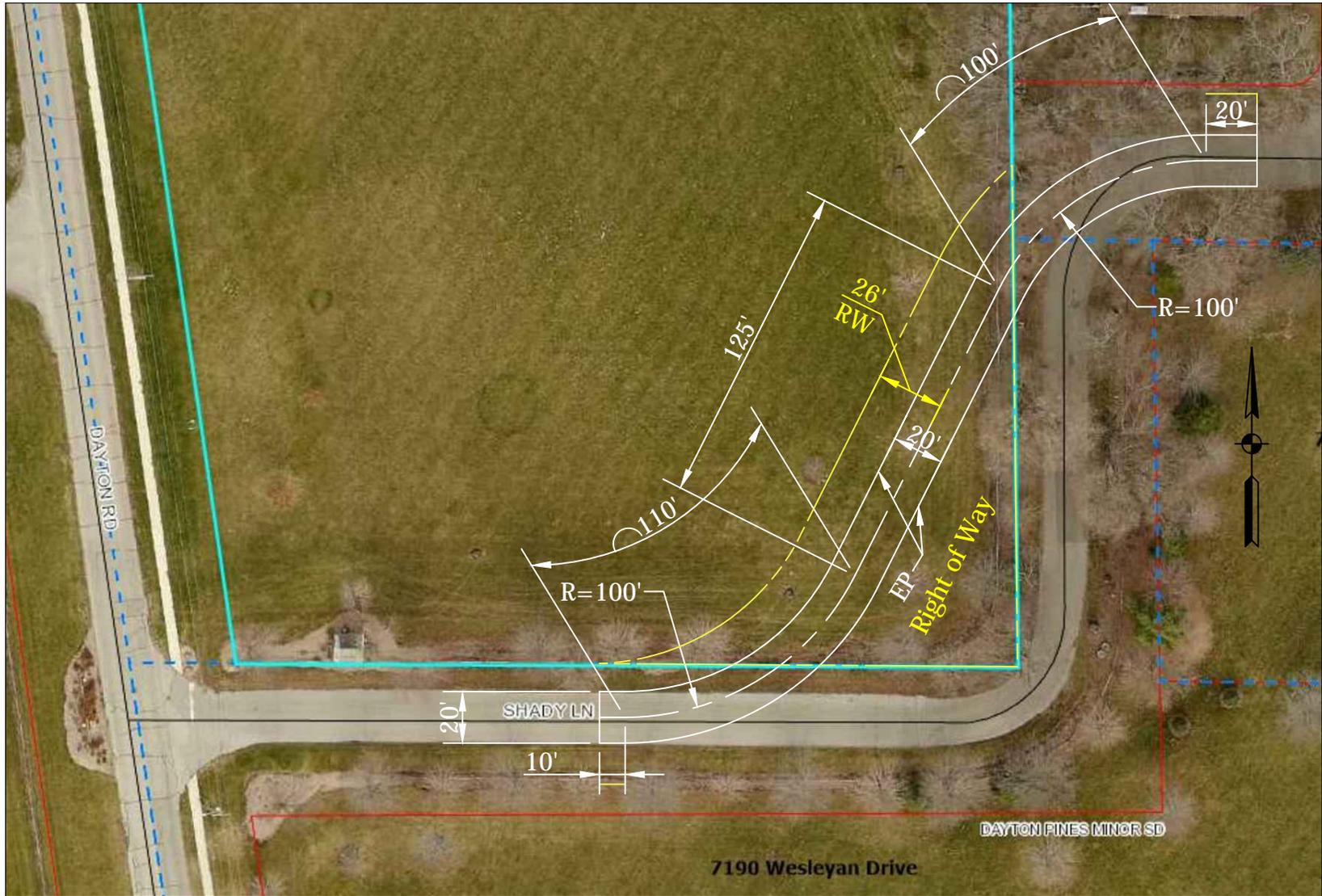


Shady Lane Flood Plain Map



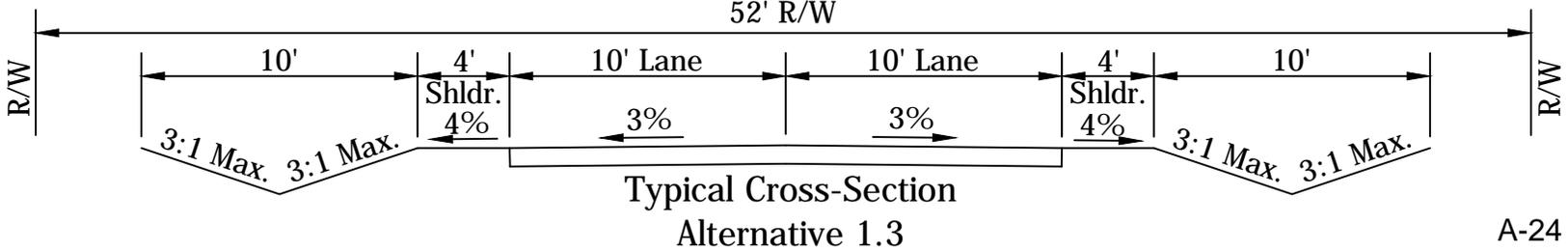
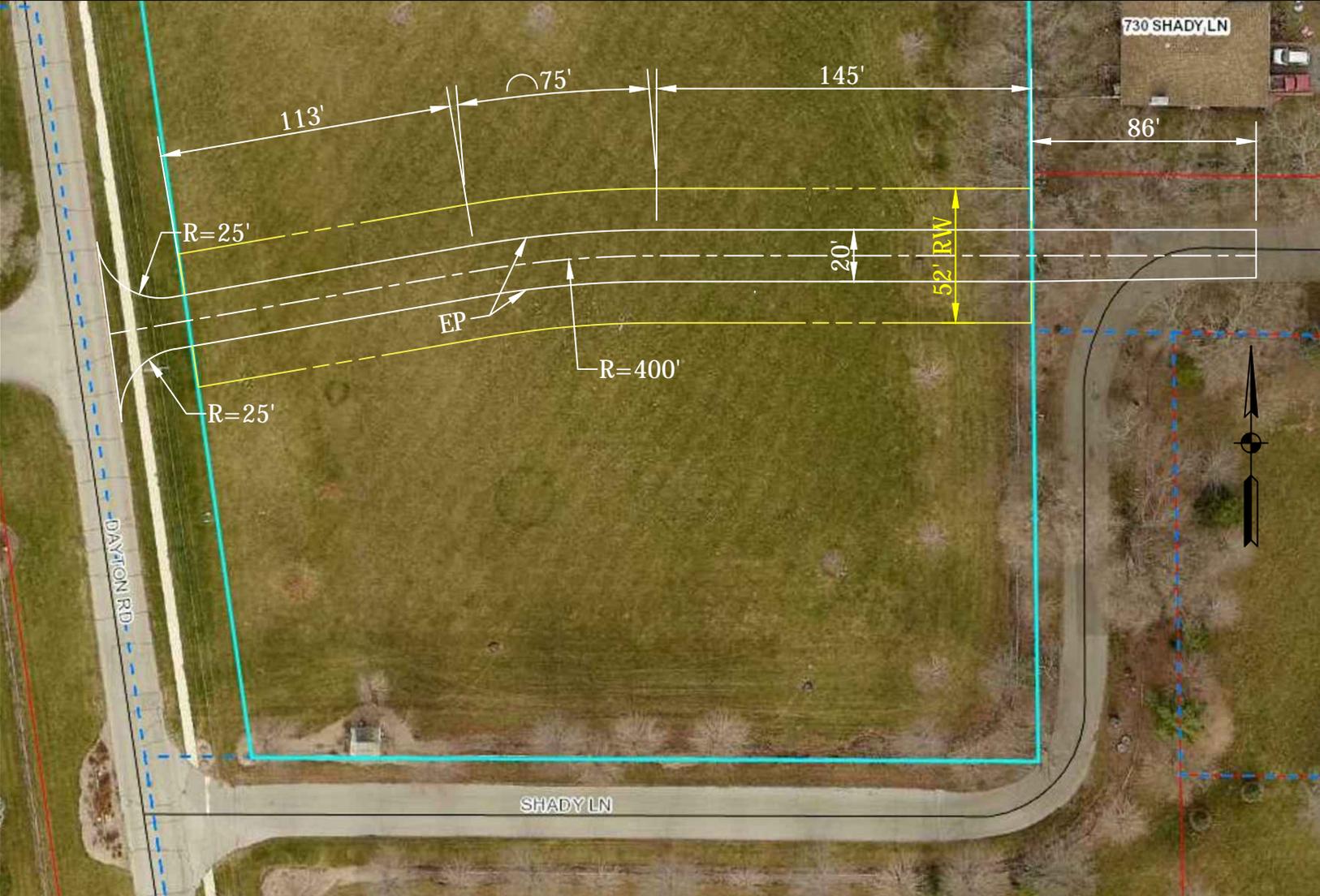
Floodpain Map

ROW Area: 0.28 acres

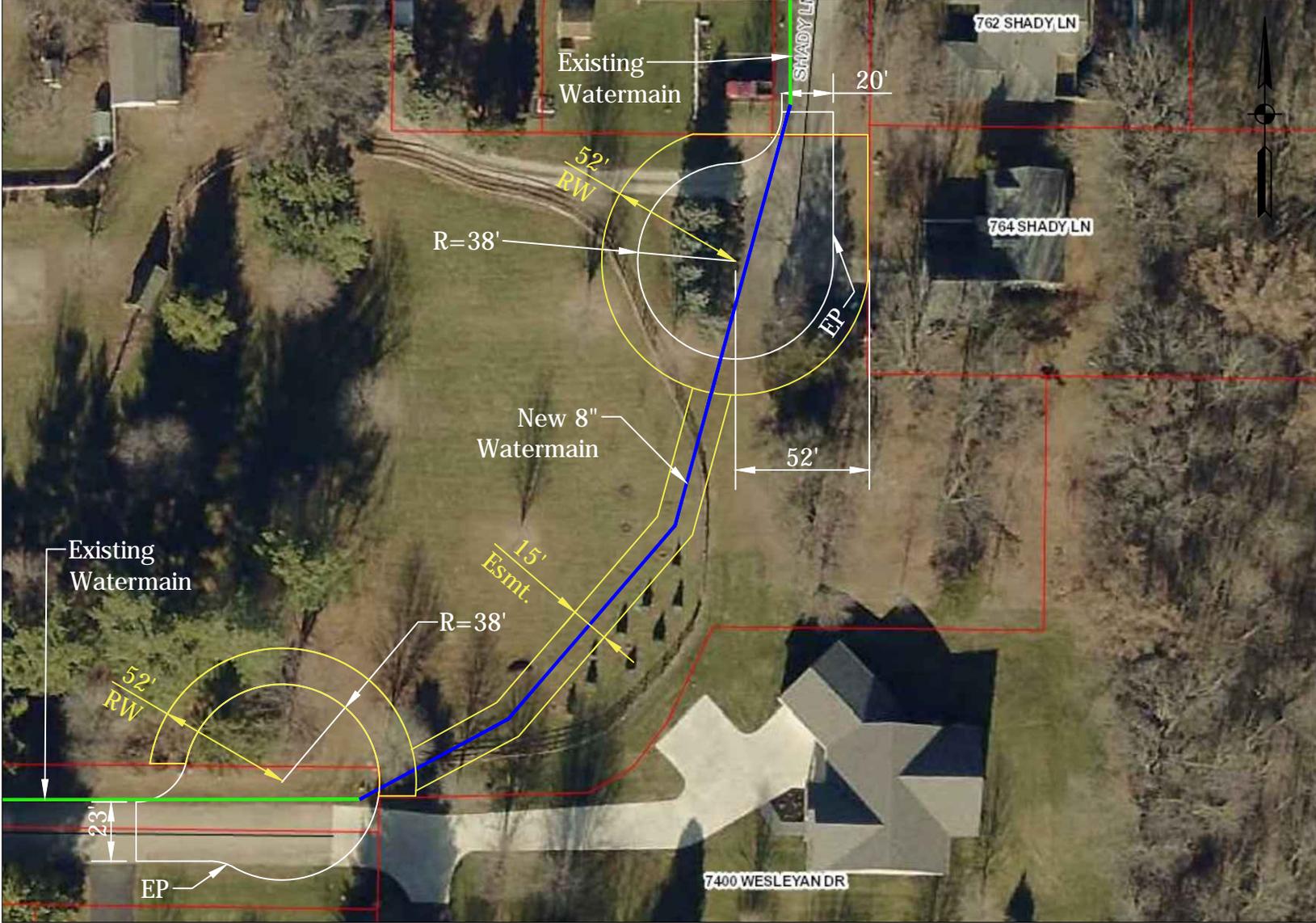


Typical Cross-Section
Alternative 1.2

ROW Area: 0.39 acres

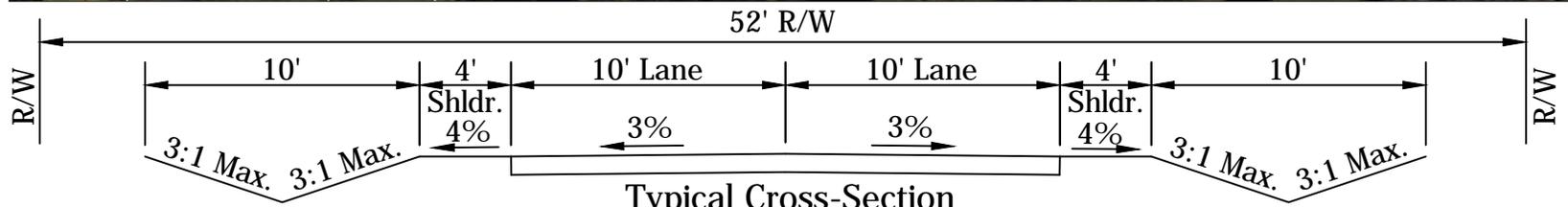
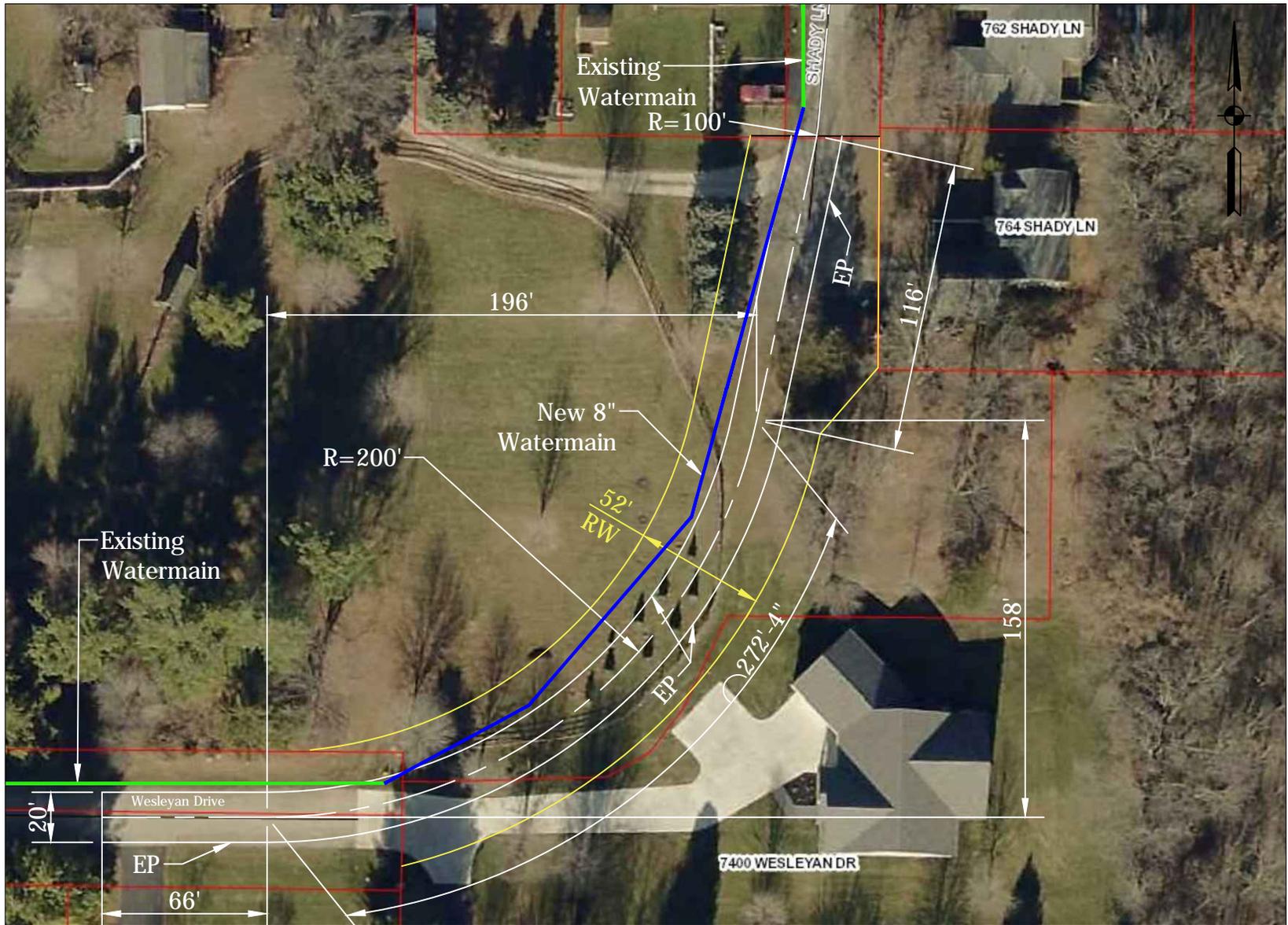


ROW Area: 0.28 acres



Alternative 2.1

ROW Area: 0.42 acres



Typical Cross-Section
Alternative 2.2

ROW Area: 0.11 acres

Waterline: 335 FT



Alternative 3

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$750.00	\$750.00
203-02000	EXCAVATION, COMMON	20	CYS	\$42.00	\$840.00
304-07490	HMA PATCHING, TYPE B	1	TON	\$175.00	\$175.00
306-08034	MILLING, ASPHALT, 1 1/2 IN.	473	SYS	\$1.50	\$709.50
401-07345	QC/QA-HMA, 2, 70, SURFACE, 12.5 mm	39	TON	\$82.00	\$3,198.00

Subtotal:	\$6,000.00
Contingency(20%):	\$1,000.00
Total:	\$7,000.00

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$1,500.00	\$1,500.00
201-52370	CLEARING RIGHT OF WAY	1	LS	\$2,500.00	\$2,500.00
105-06845	CONSTRUCTION ENGINEERING	1	LS	\$1,000.00	\$1,000.00
203-02000	EXCAVATION, COMMON	542	CYS	\$42.00	\$22,764.00
207-08262	SUBGRADE TREATMENT, TYPE I	623	SYS	\$6.00	\$3,738.00
303-01180	COMPACTED AGGREGATE NO. 53	460	TON	\$23.00	\$10,580.00
306-08034	MILLING, ASPHALT, 1 1/2 IN.	190	SYS	\$1.50	\$285.00
401-07345	QC/QA-HMA, 2, 70, SURFACE, 12.5 mm	67	TON	\$82.00	\$5,494.00
401-07427	QC/QA-HMA, 2, 70, BASE, 19.0 mm	154	TON	\$69.00	\$10,626.00
801-06775	MAINTAINING TRAFFIC	1	LS	\$500.00	\$500.00

Subtotal:	\$58,000.00
Contingency(20%):	\$12,000.00
Total:	\$70,000.00

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
105-06845	CONSTRUCTION ENGINEERING	1	LS	\$1,200.00	\$1,200.00
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$2,800.00	\$2,800.00
201-52370	CLEARING RIGHT OF WAY	1	LS	\$1,500.00	\$1,500.00
203-02000	EXCAVATION, COMMON	802	CYS	\$42.00	\$33,684.00
207-08262	SUBGRADE TREATMENT, TYPE I	896	SYS	\$6.00	\$5,376.00
303-01180	COMPACTED AGGREGATE NO. 53	646	TON	\$23.00	\$14,858.00
306-08034	MILLING, ASPHALT, 1 1/2 IN.	120	SYS	\$1.50	\$180.00
401-07345	QC/QA-HMA, 2, 70, SURFACE, 12.5 mm	77	TON	\$82.00	\$6,314.00
401-07427	QC/QA-HMA, 2, 70, BASE, 19.0 mm	200	TON	\$69.00	\$13,800.00
610-07487	HMA FOR APPROACHES, TYPE B	28	TON	\$350.00	\$9,800.00
801-06775	MAINTAINING TRAFFIC	1	LS	\$500.00	\$500.00

Subtotal:	\$90,000.00
Contingency(20%):	\$18,000.00
Total:	\$108,000.00

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
105-06845	CONSTRUCTION ENGINEERING	1	LS	\$1,500.00	\$1,500.00
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$2,500.00	\$2,500.00
201-52370	CLEARING RIGHT OF WAY	1	LS	\$5,000.00	\$5,000.00
203-02000	EXCAVATION, COMMON	506	CYS	\$46.00	\$23,276.00
207-08262	SUBGRADE TREATMENT, TYPE I	731	SYS	\$6.00	\$4,386.00
303-01180	COMPACTED AGGREGATE NO. 53	493	TON	\$23.00	\$11,339.00
306-08034	MILLING, ASPHALT, 1 1/2 IN.	437	SYS	\$1.50	\$655.50
401-07345	QC/QA-HMA, 2, 70, SURFACE, 12.5 mm	96	TON	\$82.00	\$7,872.00
401-07427	QC/QA-HMA, 2, 70, BASE, 19.0 mm	181	TON	\$69.00	\$12,489.00
610-08446	PCCP FOR APPROACHES, 6 IN.	38	SYS	\$65.00	\$2,470.00
801-06775	MAINTAINING TRAFFIC	1	LS	\$500.00	\$500.00

Subtotal:	\$72,000.00
Contingency(20%):	\$14,000.00
Total:	\$86,000.00

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
105-06845	CONSTRUCTION ENGINEERING	1	LS	\$1,500.00	\$1,500.00
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$2,500.00	\$2,500.00
201-52370	CLEARING RIGHT OF WAY	1	LS	\$5,000.00	\$5,000.00
203-02000	EXCAVATION, COMMON	409	CYS	\$46.00	\$18,814.00
207-08262	SUBGRADE TREATMENT, TYPE I	586	SYS	\$6.00	\$3,516.00
303-01180	COMPACTED AGGREGATE NO. 53	430	TON	\$23.00	\$9,890.00
306-08034	MILLING, ASPHALT, 1 1/2 IN.	430	SYS	\$1.50	\$645.00
401-07345	QC/QA-HMA, 2, 70, SURFACE, 12.5 mm	84	TON	\$69.00	\$5,796.00
401-07427	QC/QA-HMA, 2, 70, BASE, 19.0 mm	145	TON	\$65.00	\$9,425.00
610-08446	PCCP FOR APPROACHES, 6 IN.	71	SYS	\$75.00	\$5,325.00
801-06775	MAINTAINING TRAFFIC	1	LS	\$500.00	\$500.00

Subtotal:	\$63,000.00
Contingency(20%):	\$13,000.00
Total:	\$76,000.00

QUANTITY SUMMARY SHEET

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	Unit Price	Ext.
110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	\$600.00	\$600.00
105-06845	CONSTRUCTION ENGINEERING	1	LS	\$500.00	\$500.00
304-07490	HMA PATCHING, TYPE B	4	TON	\$600.00	\$2,400.00
715-11571	WATER MAIN, DUCTILE IRON, 8 IN.	380	LFT	\$100.00	\$38,000.00

Subtotal: \$42,000.00

Contingency(15%): \$6,000.00

Total: **\$48,000.00**