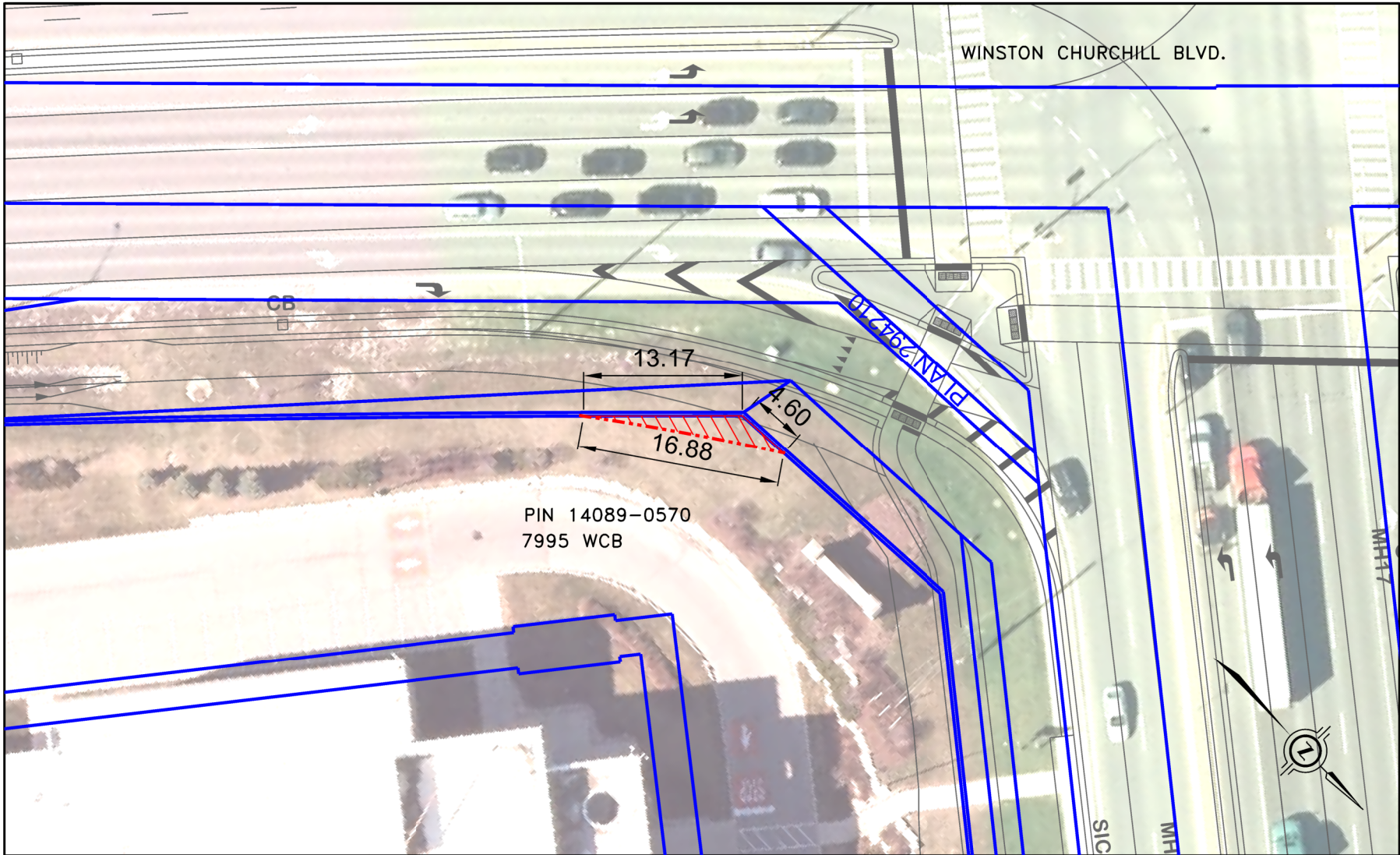





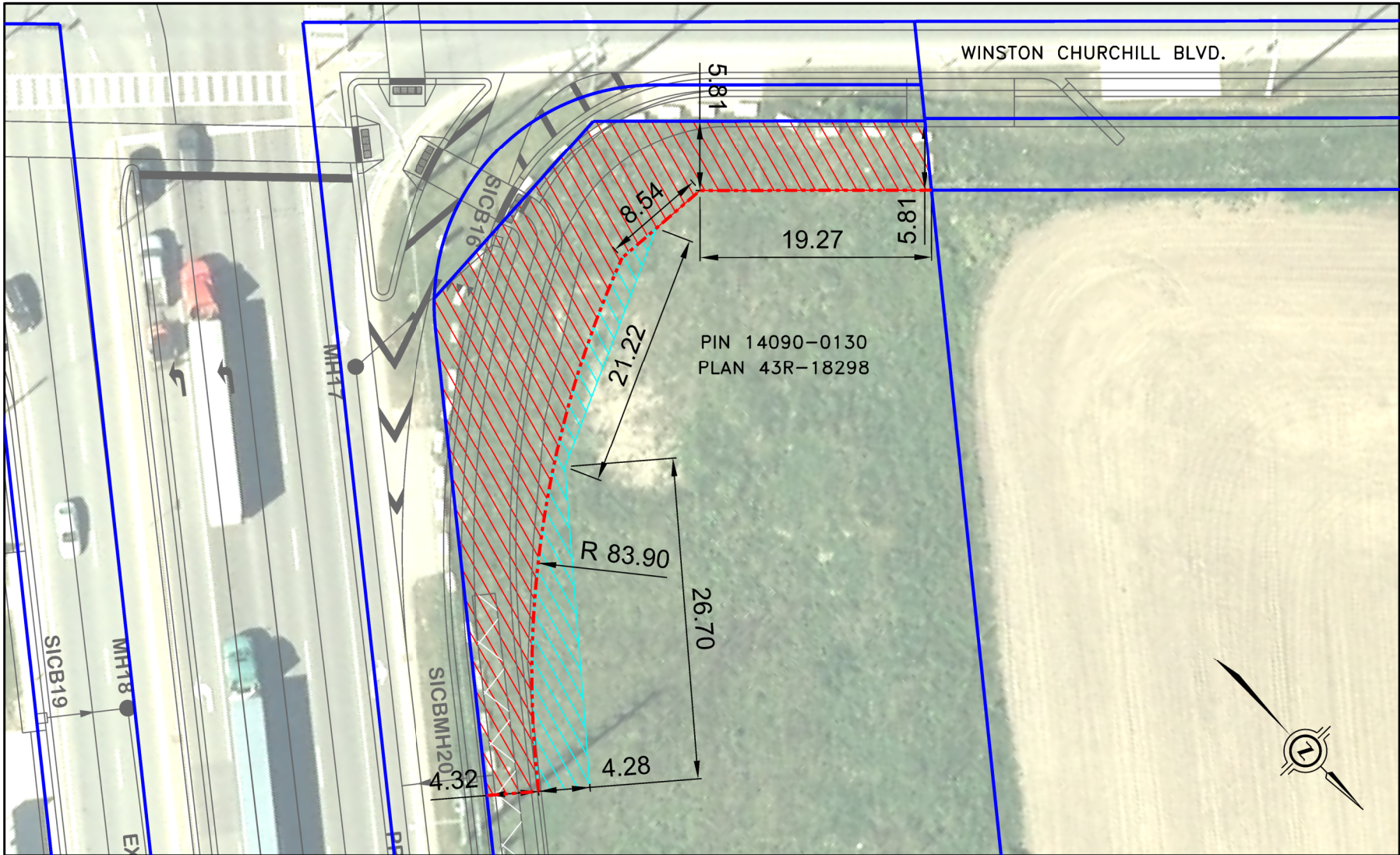
Appendix P Property and Cost



PROPERTY IMPACT PLAN





LEGEND:

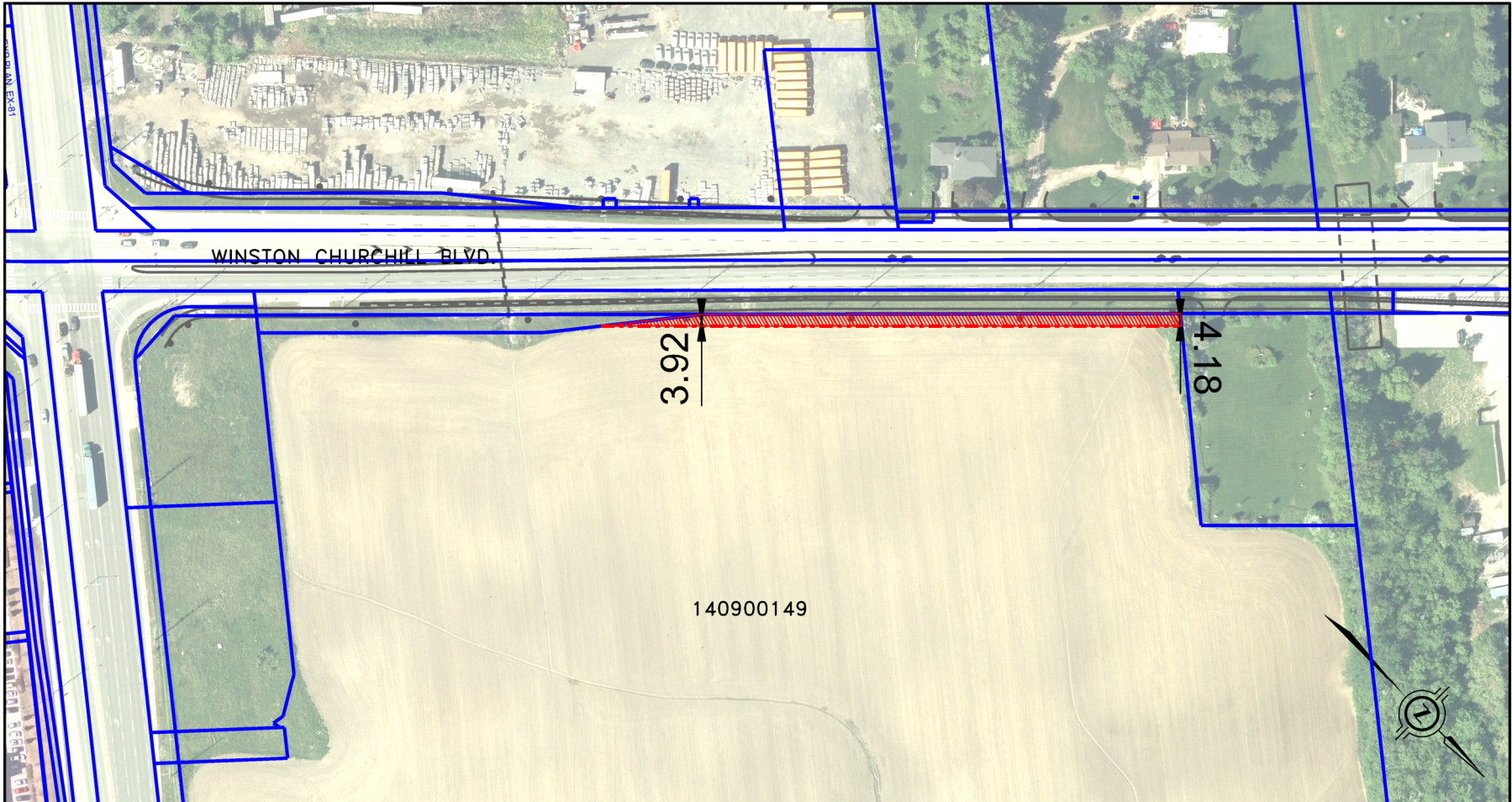
-  FEE SIMPLE
AREA = 18.59m2
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



PROPERTY IMPACT PLAN




LEGEND:

-  FEE SIMPLE
AREA = 606.89m²
-  PERMANENT EASEMENT
AREA = 122.38m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



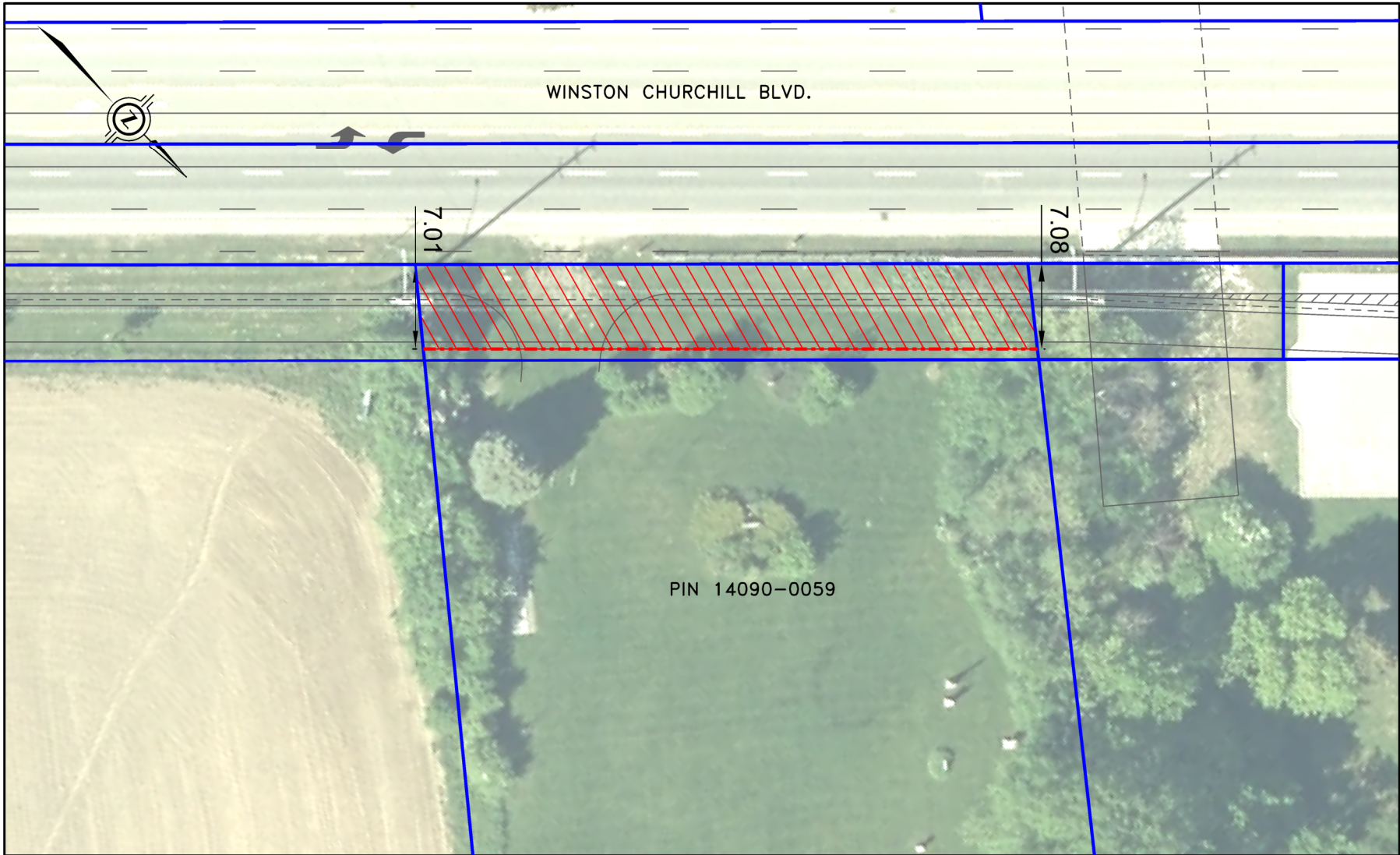
PROPERTY IMPACT PLAN

LEGEND:

-  FEE SIMPLE
AREA = 716.18m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE






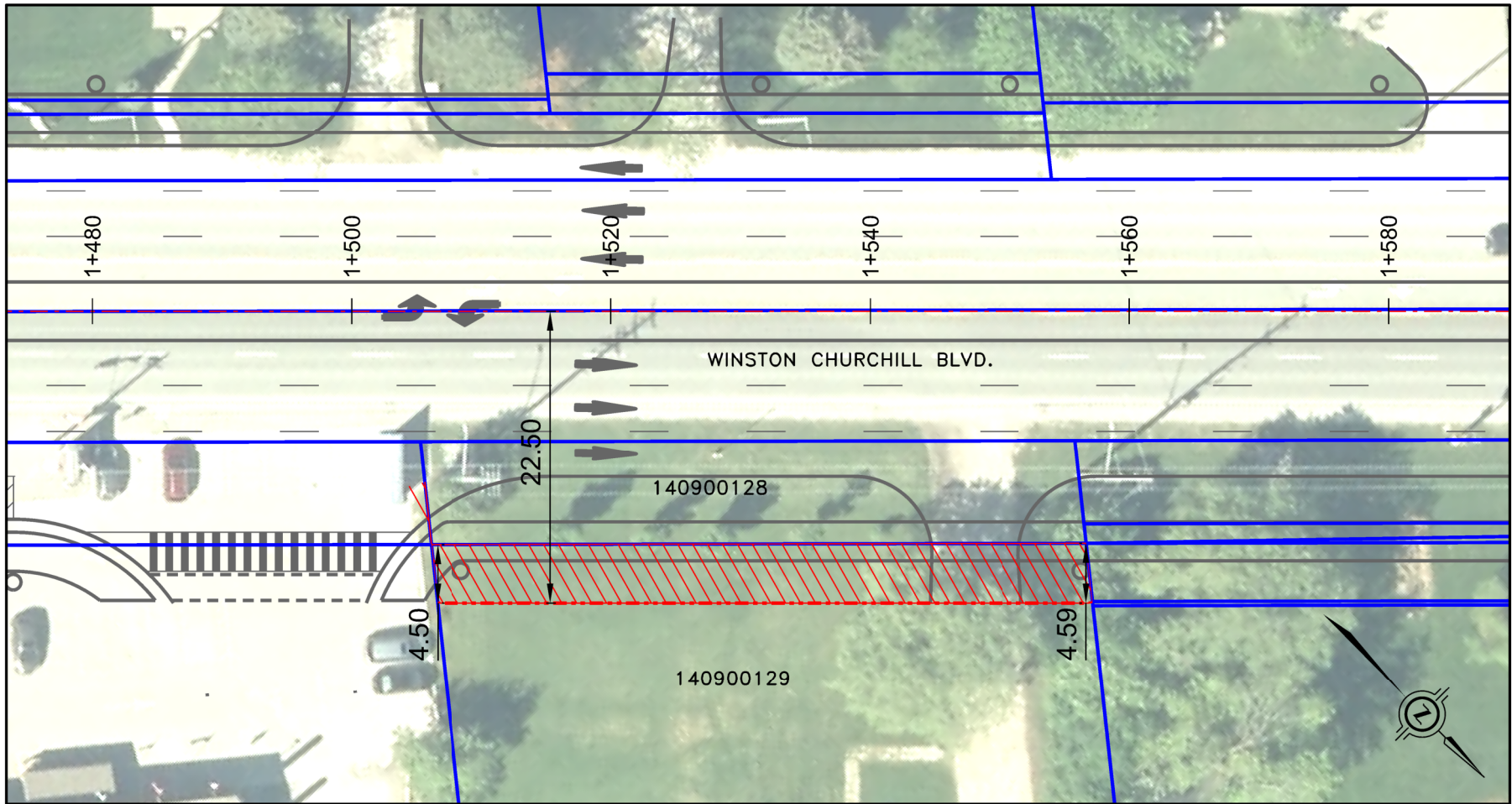
NOTE: MEASUREMENTS ARE APPROXIMATE



PROPERTY IMPACT PLAN




LEGEND:

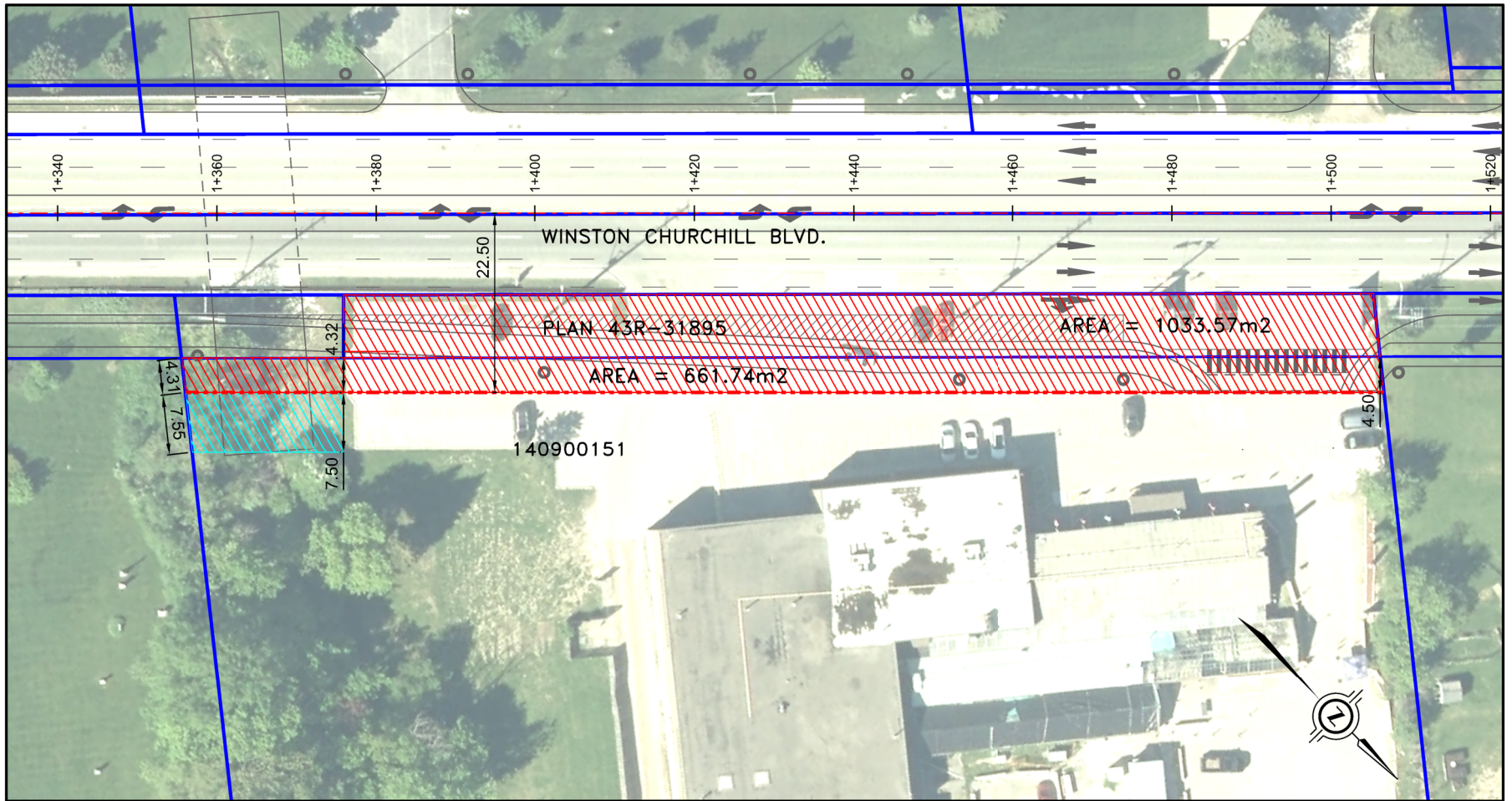
-  FEE SIMPLE
AREA = 606.89m2
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



PROPERTY IMPACT PLAN

LEGEND:

-  FEE SIMPLE
AREA = 229.81m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



PROPERTY IMPACT PLAN

LEGEND:



FEE SIMPLE



PERMANENT EASEMENT
AREA = 145.72m2

*FOR FUTURE MAINTENANCE
ACCESS TO STRUCTURAL
CULVERT



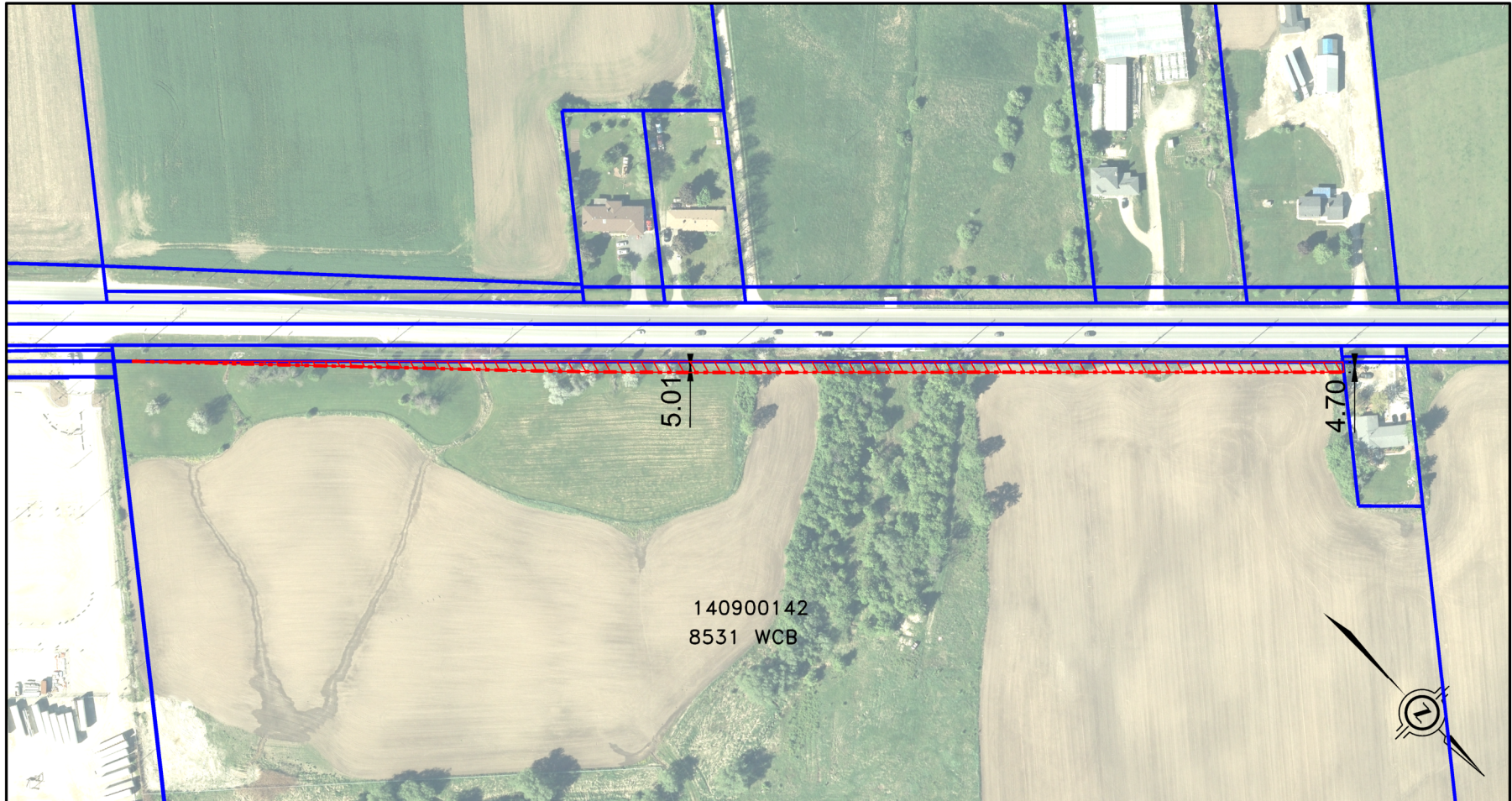
ULTIMATE ROW REQUIREMENT



EXISTING PROPERTY LINE



NOTE: MEASUREMENTS ARE APPROXIMATE



PROPERTY IMPACT PLAN

LEGEND:



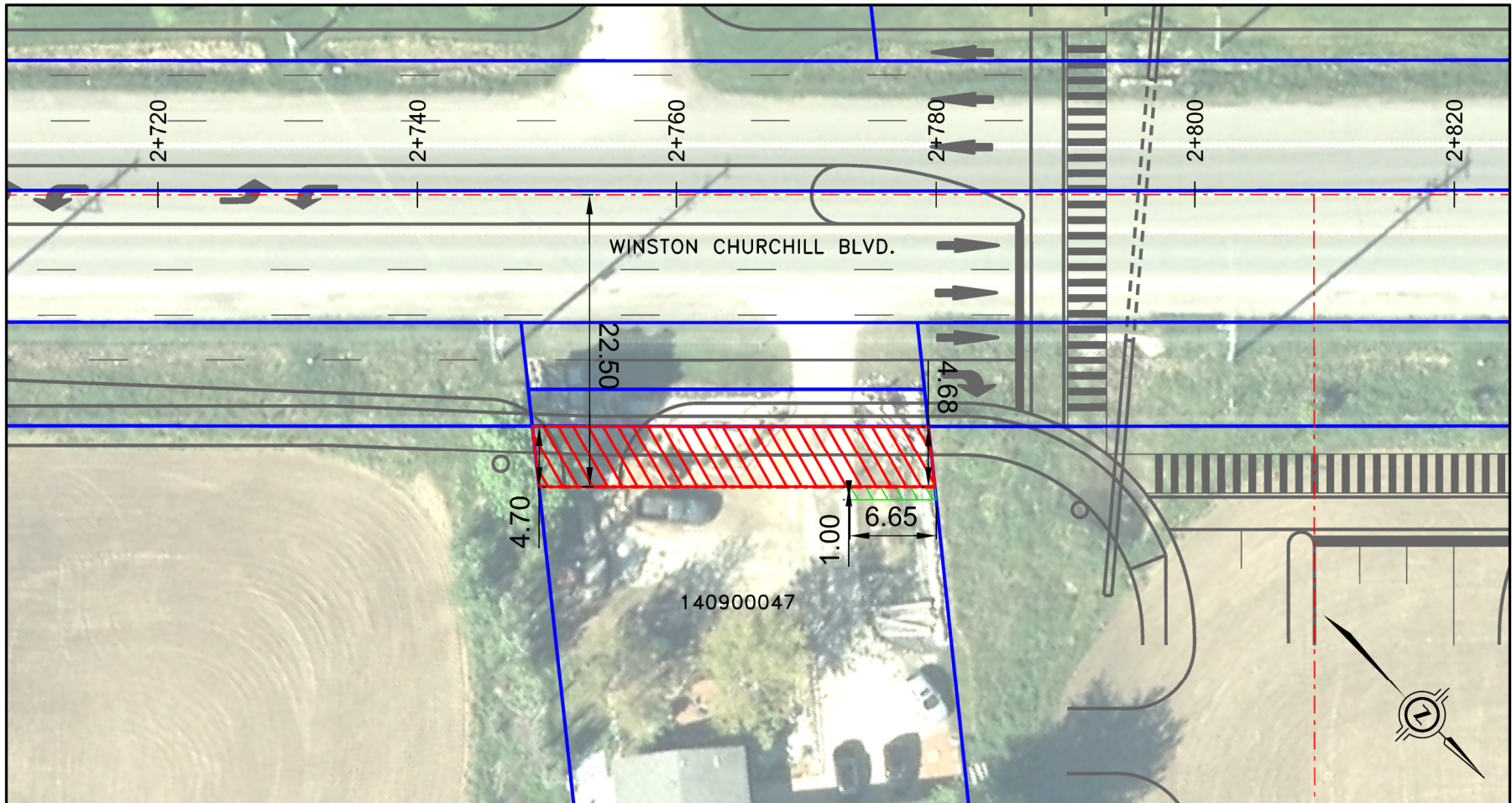
FEE SIMPLE
AREA = 2261.07m²



ULTIMATE ROW REQUIREMENT



EXISTING PROPERTY LINE



PROPERTY IMPACT PLAN

LEGEND:



FEE SIMPLE
AREA = 142.92m²



TEMPORARY EASEMENT
AREA = 6.6m²

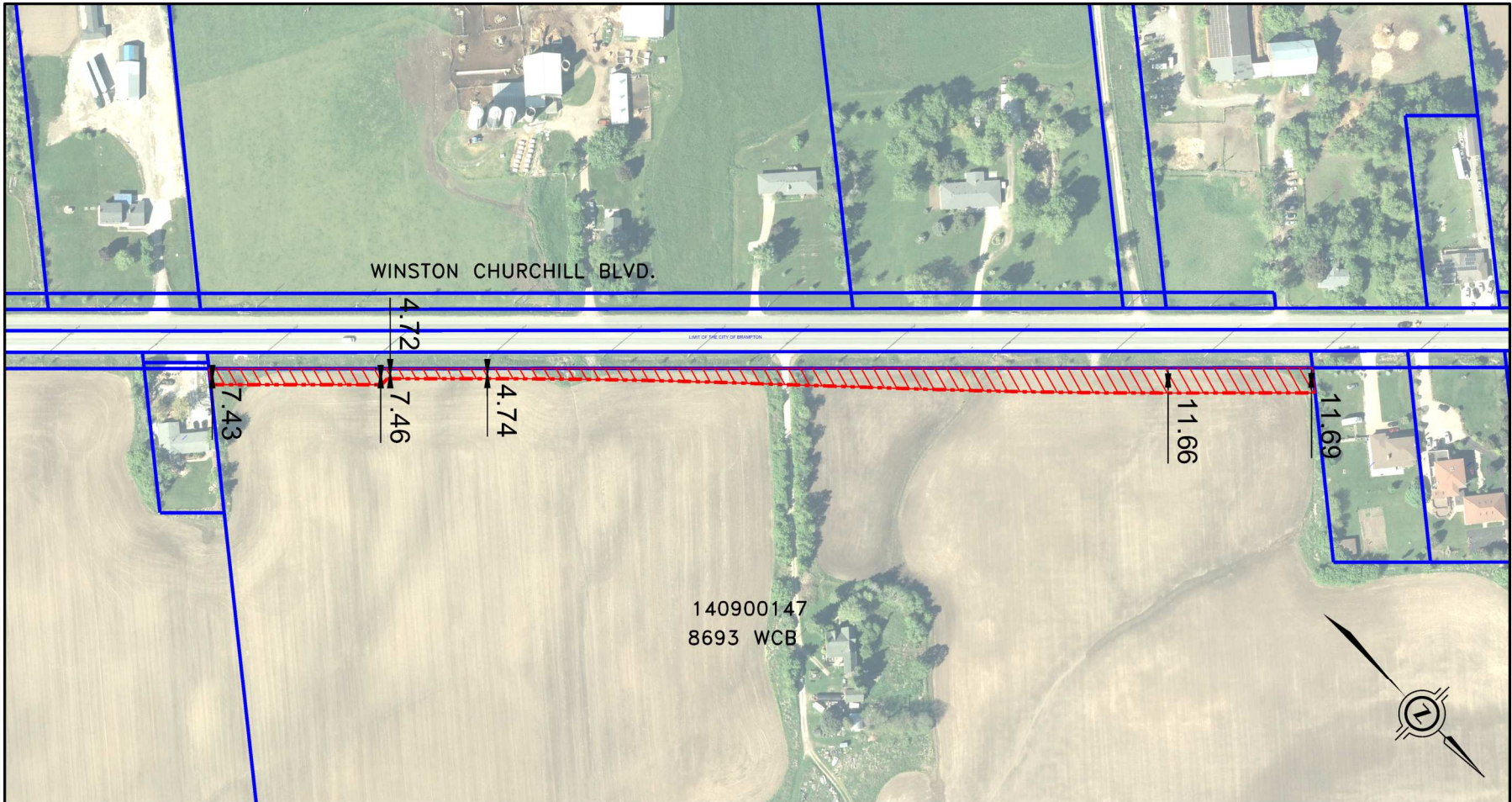
*FOR MINOR GRADING
DURING CONSTRUCTION



ULTIMATE ROW REQUIREMENT






EXISTING PROPERTY LINE



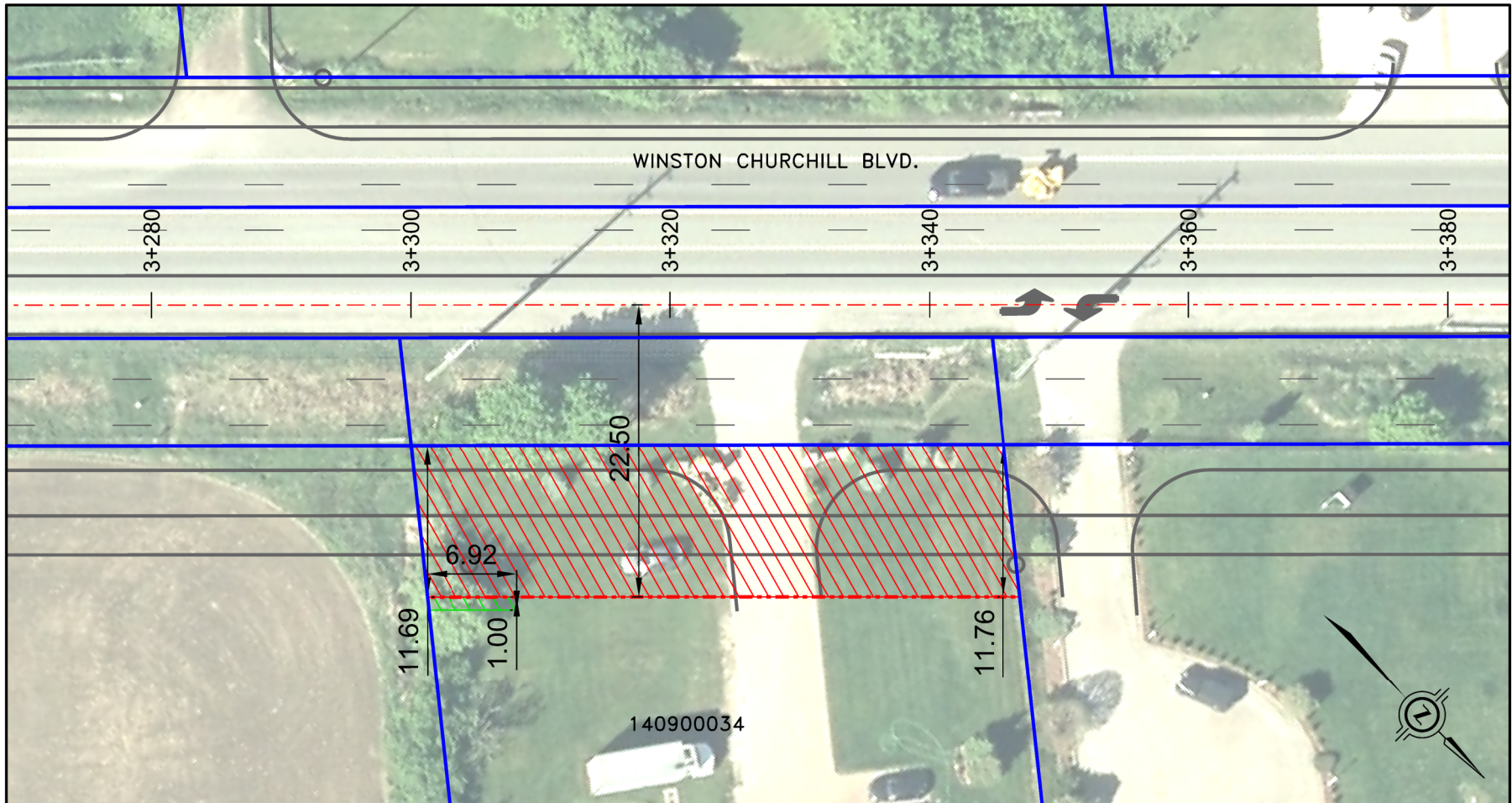
PROPERTY IMPACT PLAN

LEGEND:

-  FEE SIMPLE
AREA = 4291.26m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE







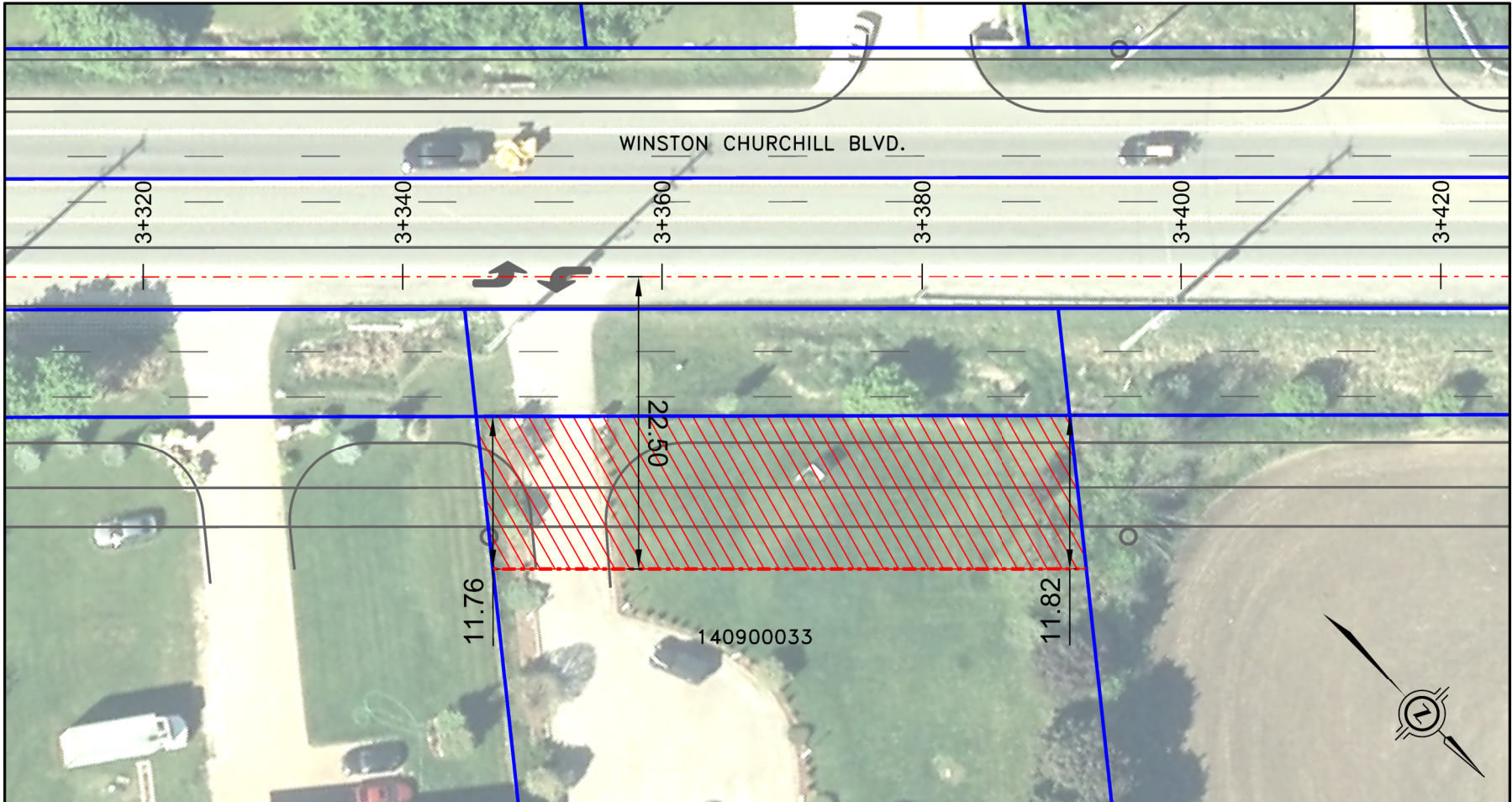
NOTE: MEASUREMENTS ARE APPROXIMATE



PROPERTY IMPACT PLAN




LEGEND:

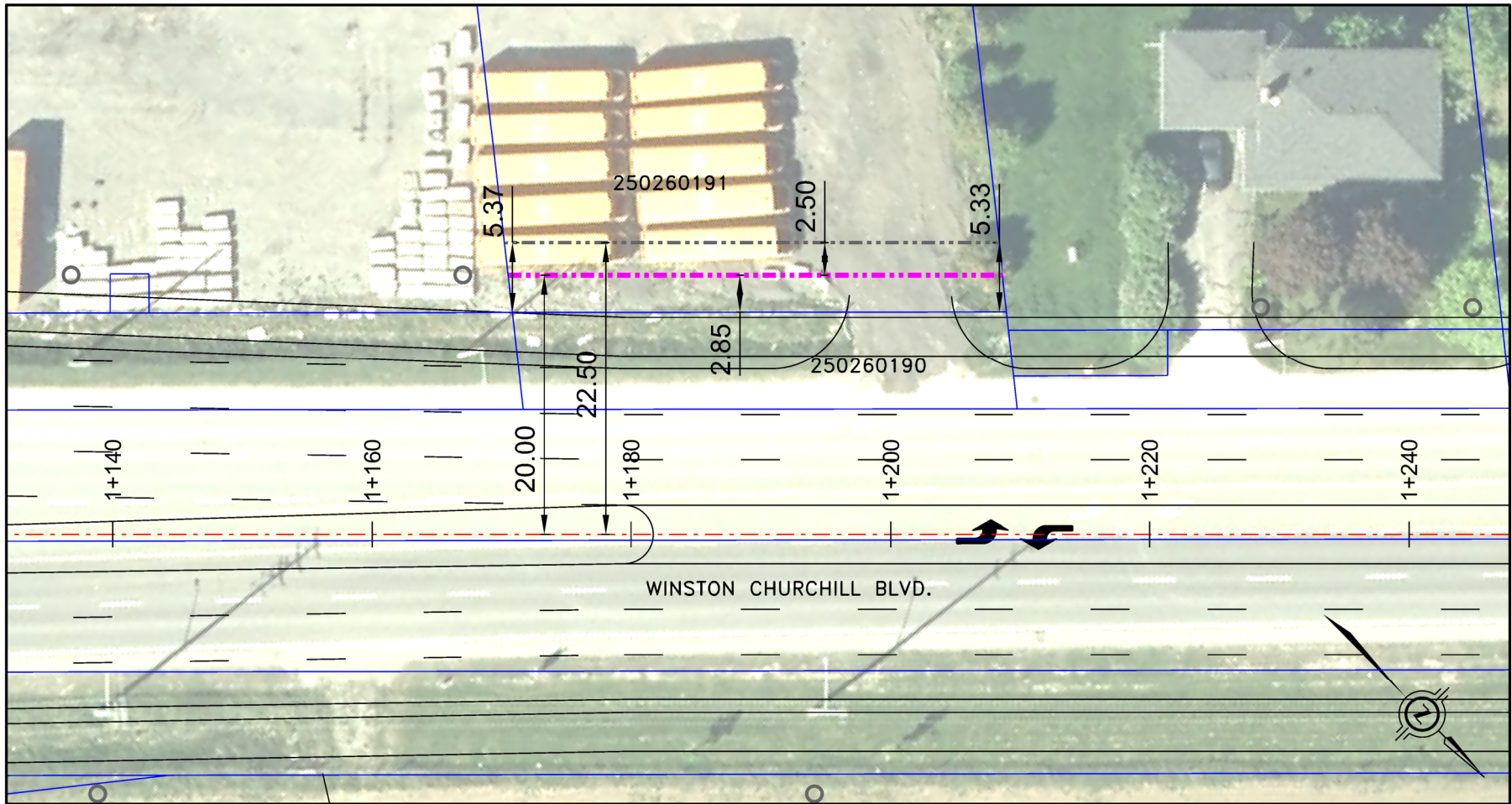
-  FEE SIMPLE
AREA = 535.851m²
-  TEMPORARY EASEMENT
AREA = 6.89m²
- *FOR MINOR GRADING
DURING CONSTRUCTION
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



PROPERTY IMPACT PLAN

LEGEND:

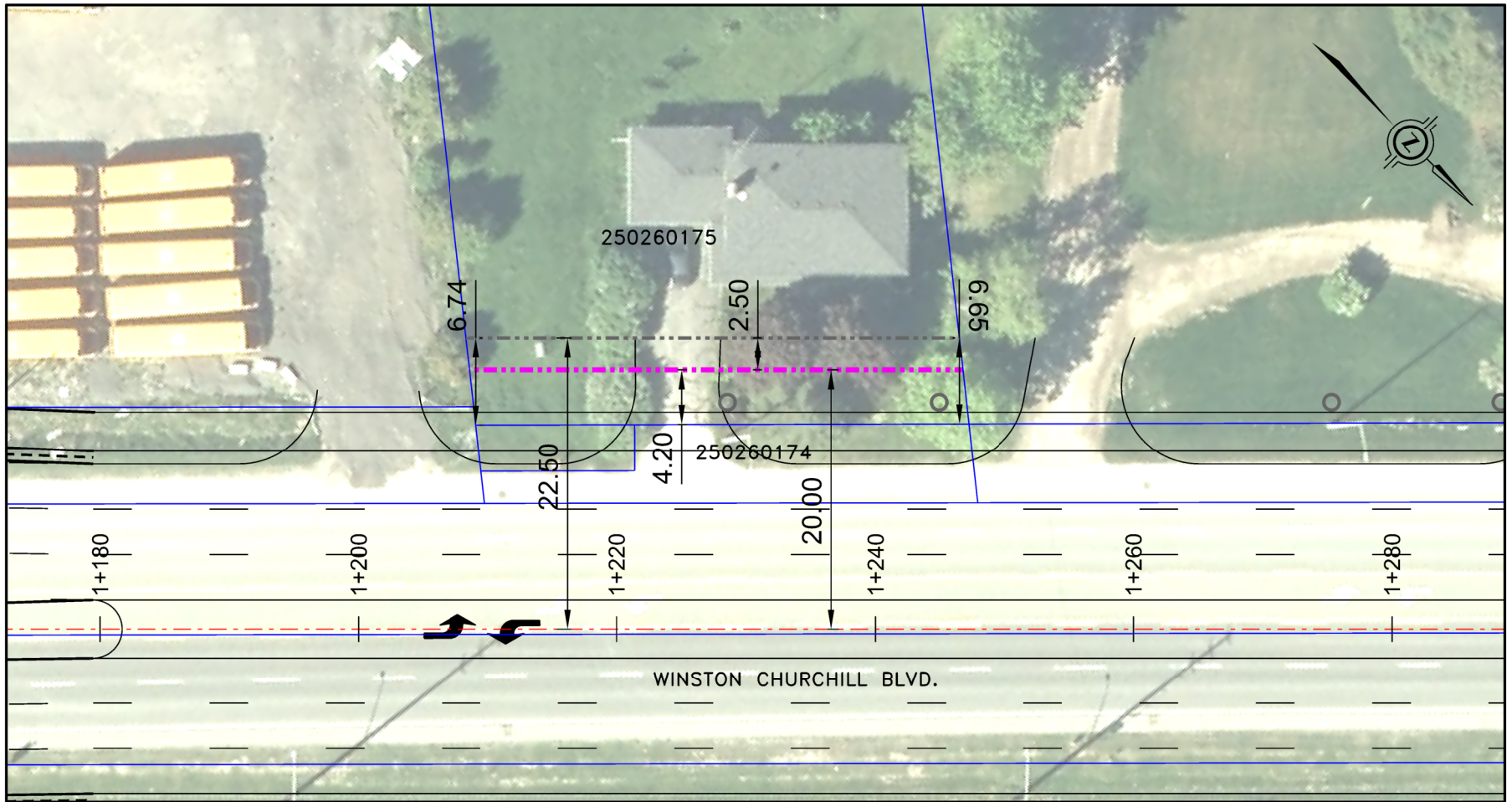
-  FEE SIMPLE
AREA = 538.85m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 95.27 m²
- MITIGATED ROW LIMIT
AREA = 108.71 m²
- EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE

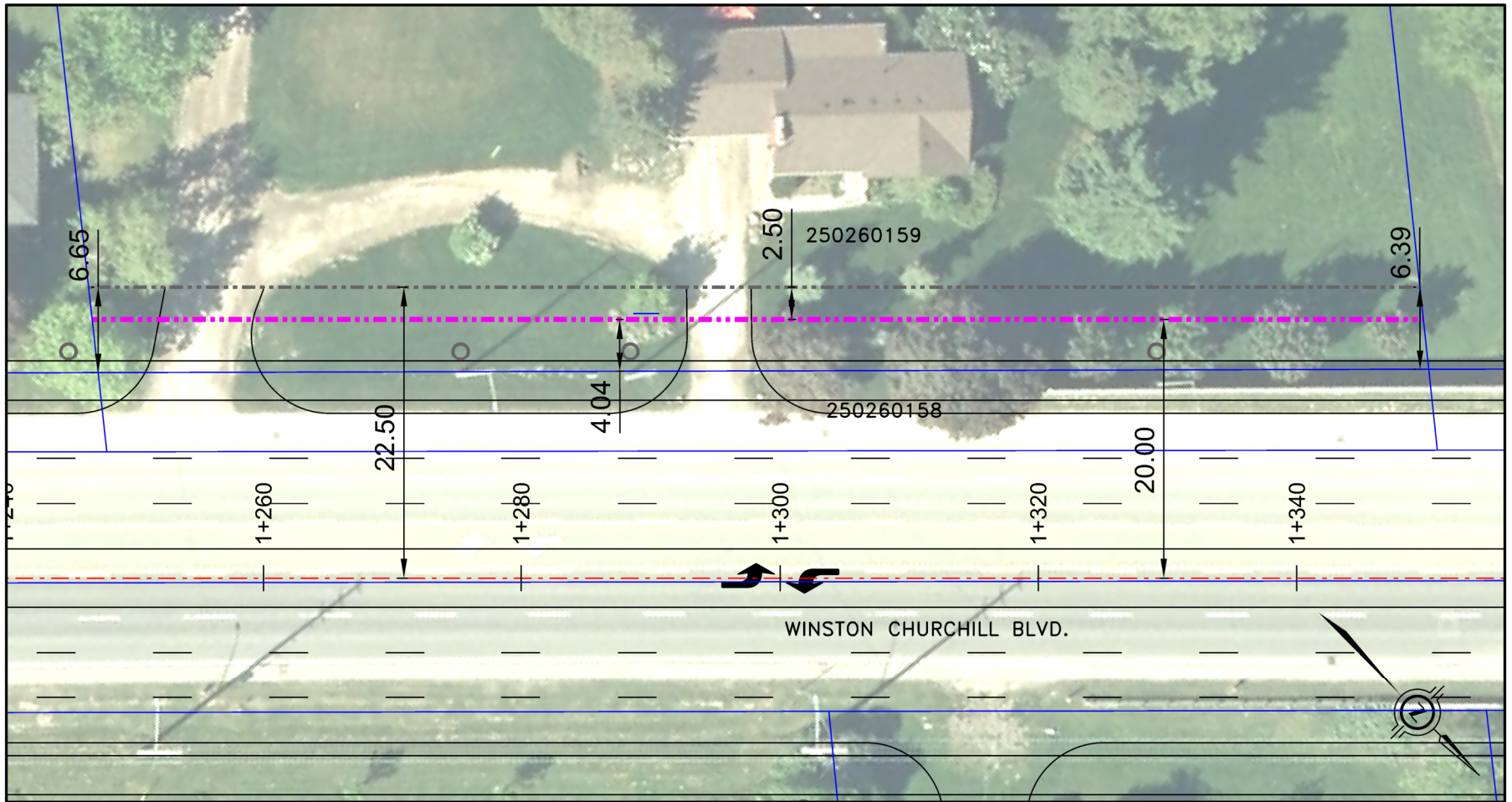


LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 95.28 m²
- MITIGATED ROW LIMIT
AREA = 159.86 m²
- EXISTING PROPERTY LINE



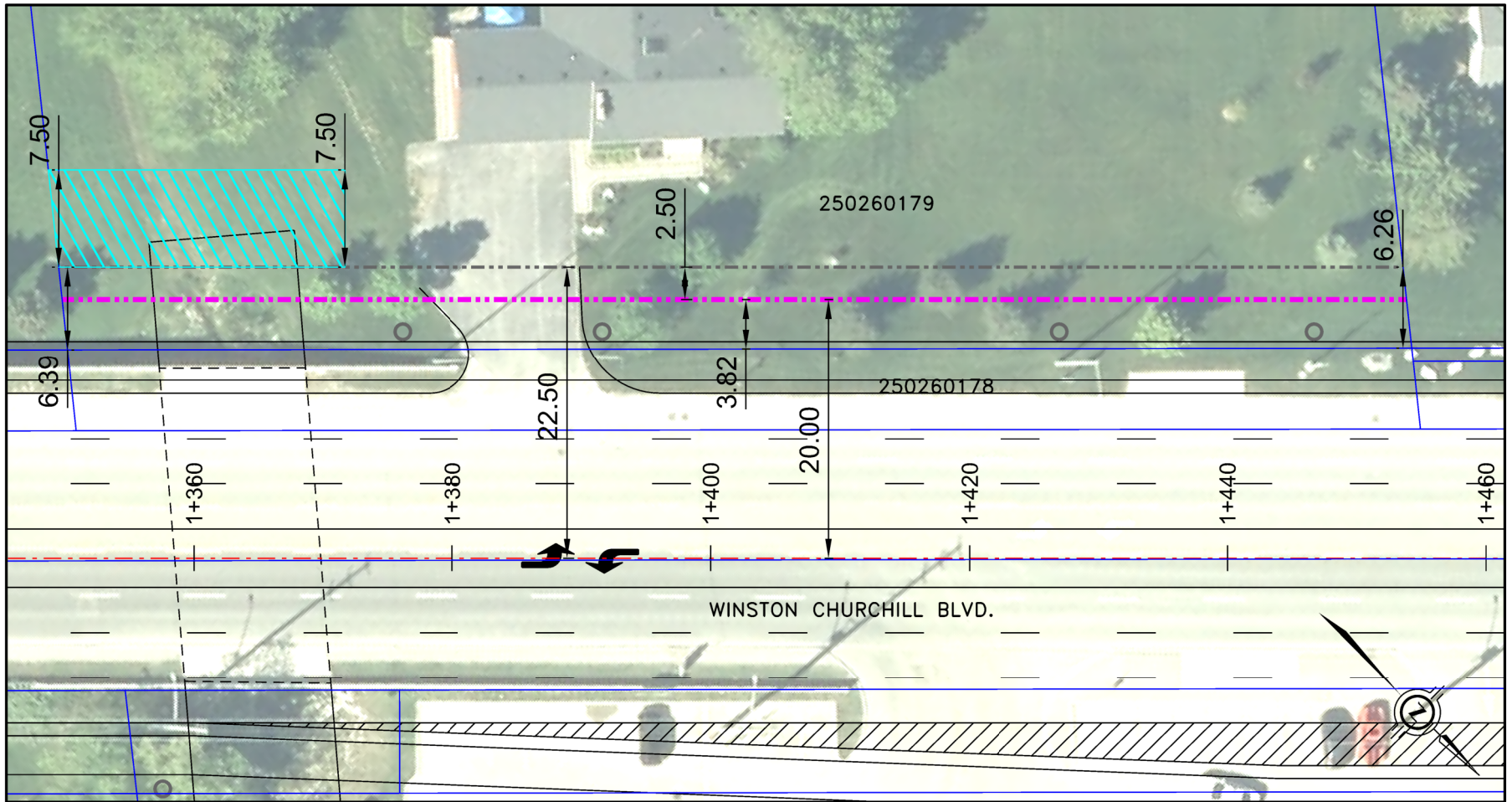
NOTE: MEASUREMENTS ARE APPROXIMATE







LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 257.61 m²
- MITIGATED ROW LIMIT
AREA = 414.04 m²
- EXISTING PROPERTY LINE

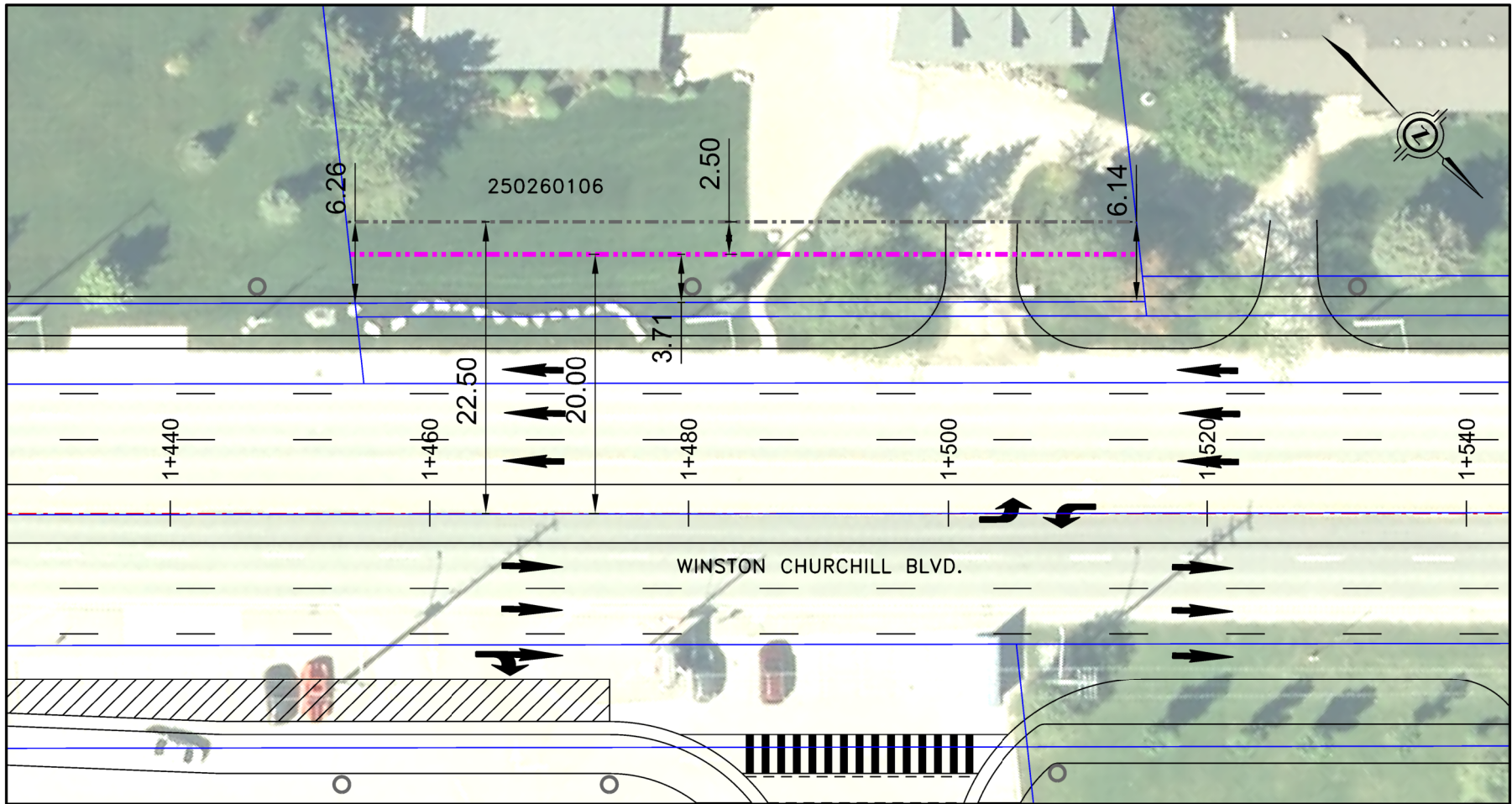
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

-  PERMANENT EASEMENT
AREA = 169.05 m²
- *FOR FUTURE MAINTENANCE
ACCESS TO STRUCTURAL
CULVERT
-  ULTIMATE ROW REQUIREMENT
AREA = 260.14 m²
-  MITIGATED ROW LIMIT
AREA = 397.88 m²
-  EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE

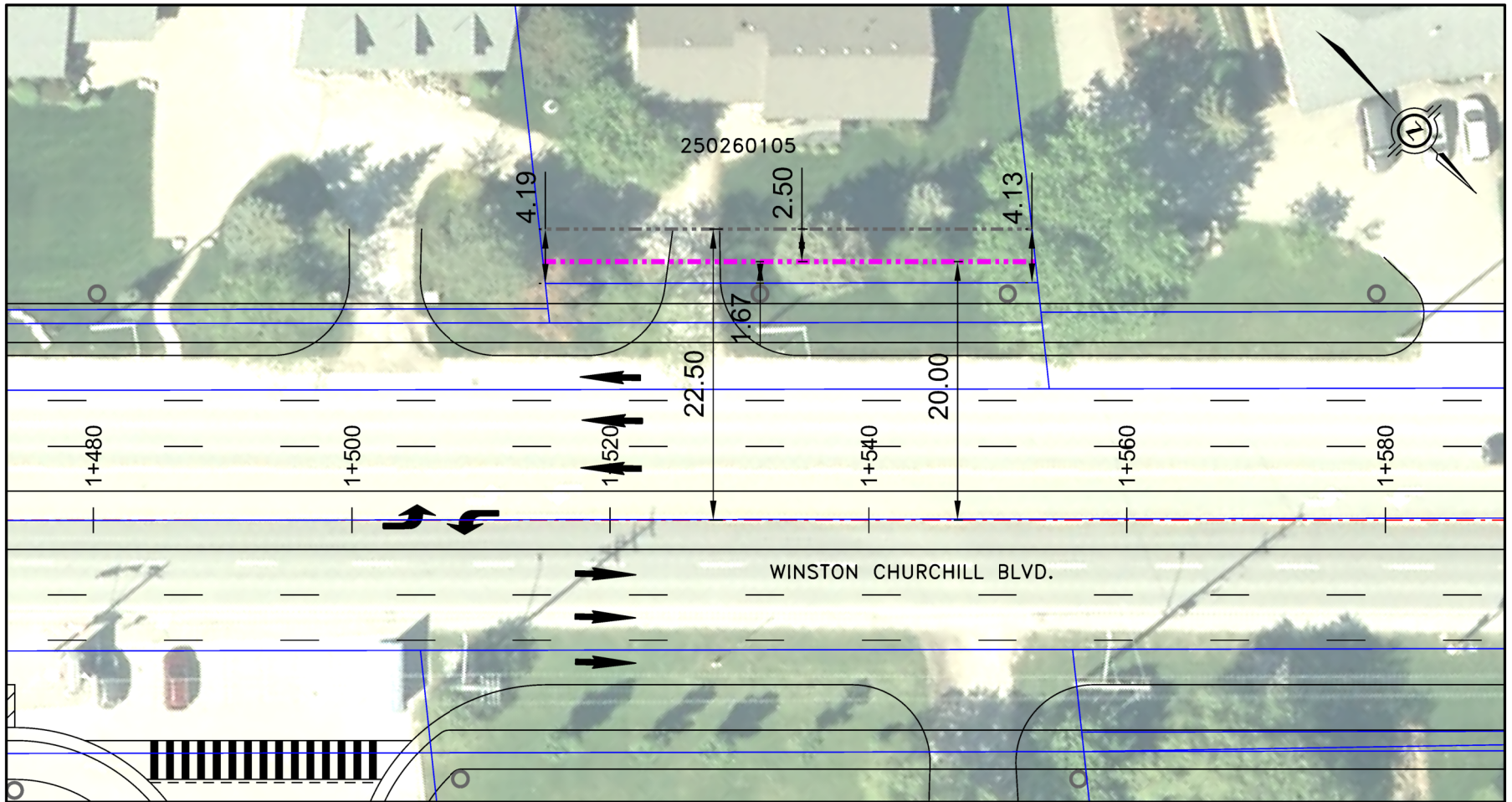


LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 152.45 m²
- MITIGATED ROW LIMIT
AREA = 225.52 m²
- EXISTING PROPERTY LINE



NOTE: MEASUREMENTS ARE APPROXIMATE

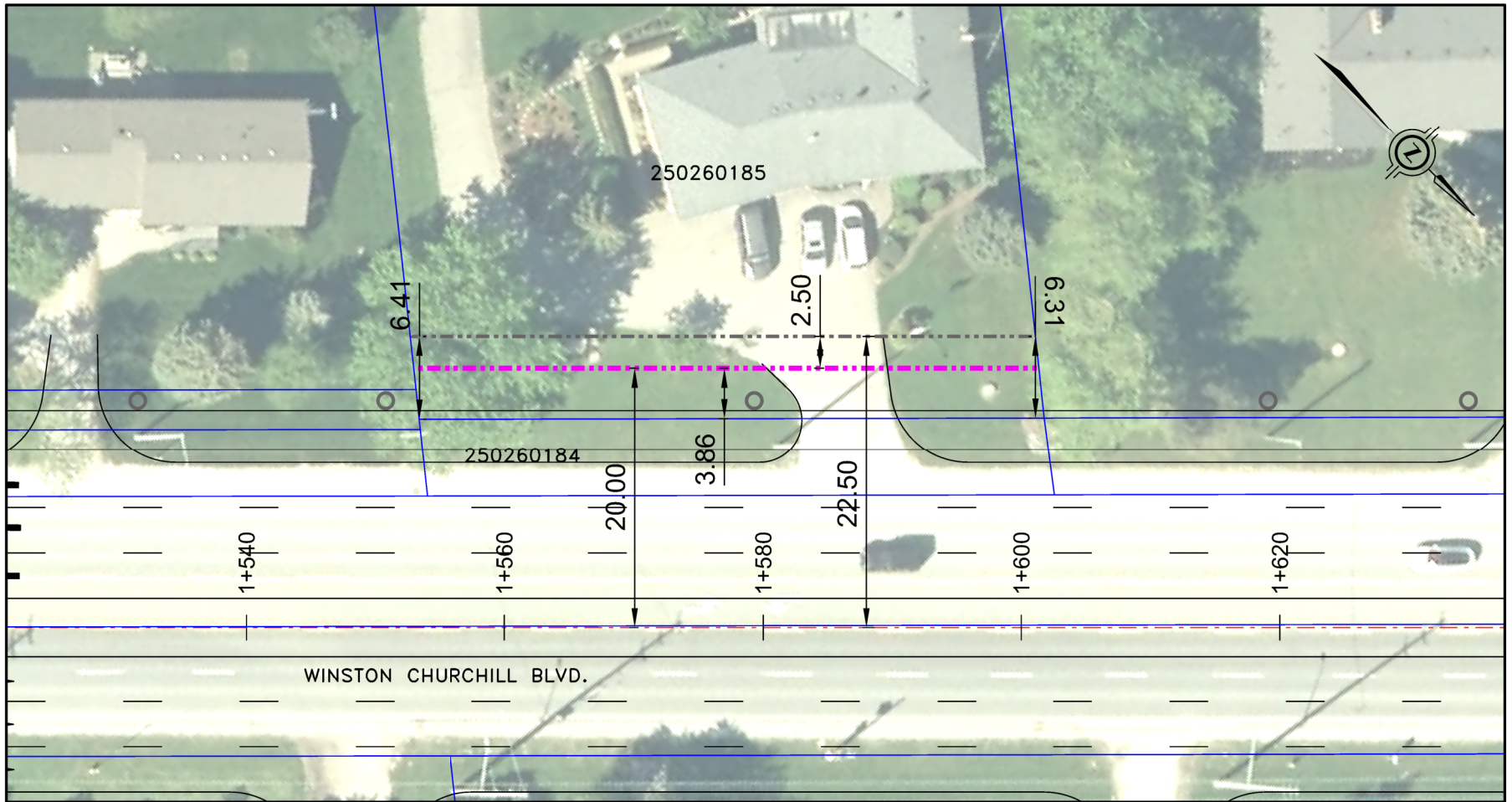


LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 95.27 m²
- MITIGATED ROW LIMIT
AREA = 63.29 m²
- EXISTING PROPERTY LINE



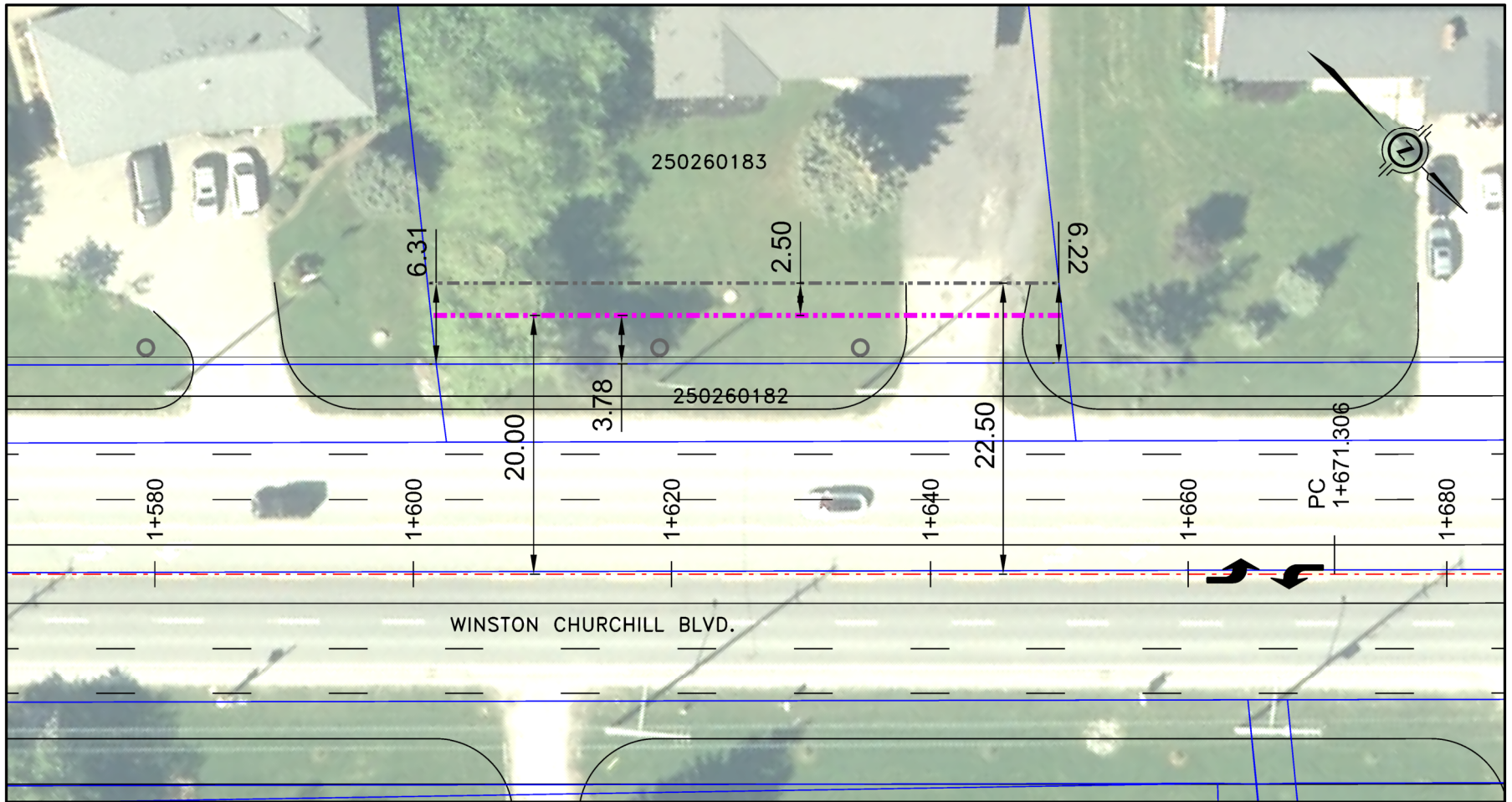
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 121.06 m²
- MITIGATED ROW LIMIT
AREA = 186.96 m²
- EXISTING PROPERTY LINE

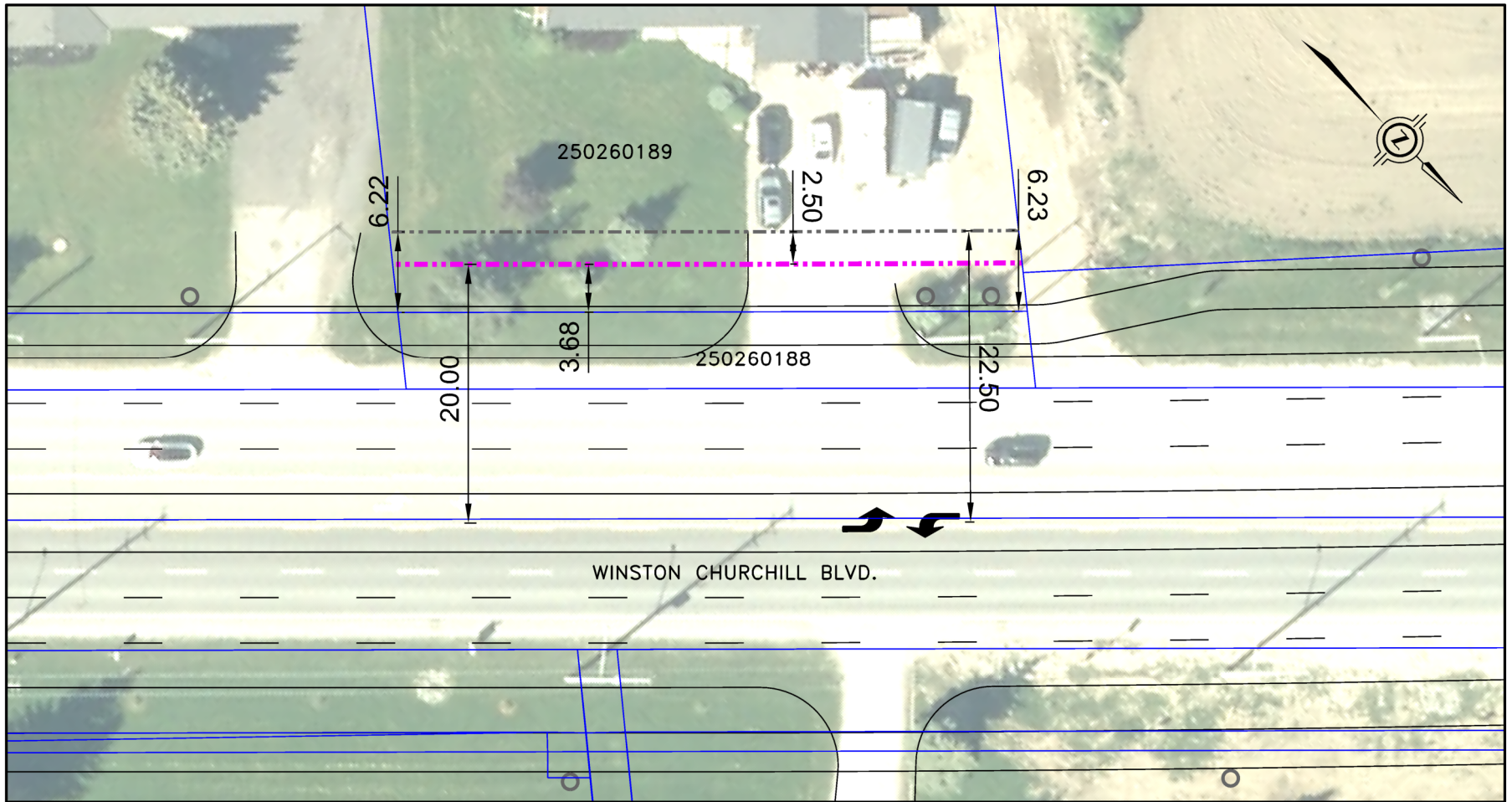
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 122.27 m²
- - - - - MITIGATED ROW LIMIT
AREA = 184.14 m²
- _____ EXISTING PROPERTY LINE

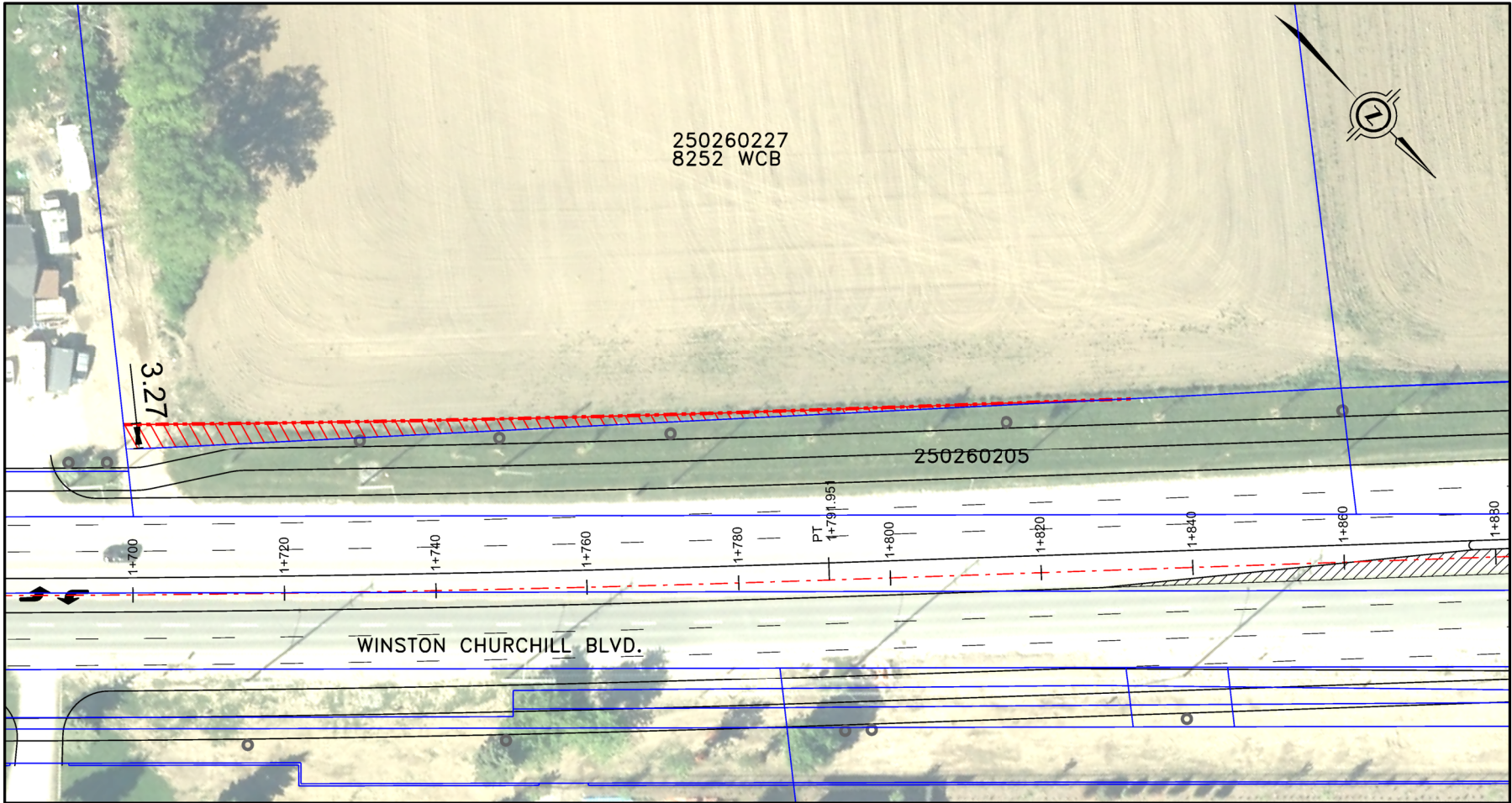
NOTE: MEASUREMENTS ARE APPROXIMATE






LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 121.89 m²
- MITIGATED ROW LIMIT
AREA = 179.88 m²
- EXISTING PROPERTY LINE

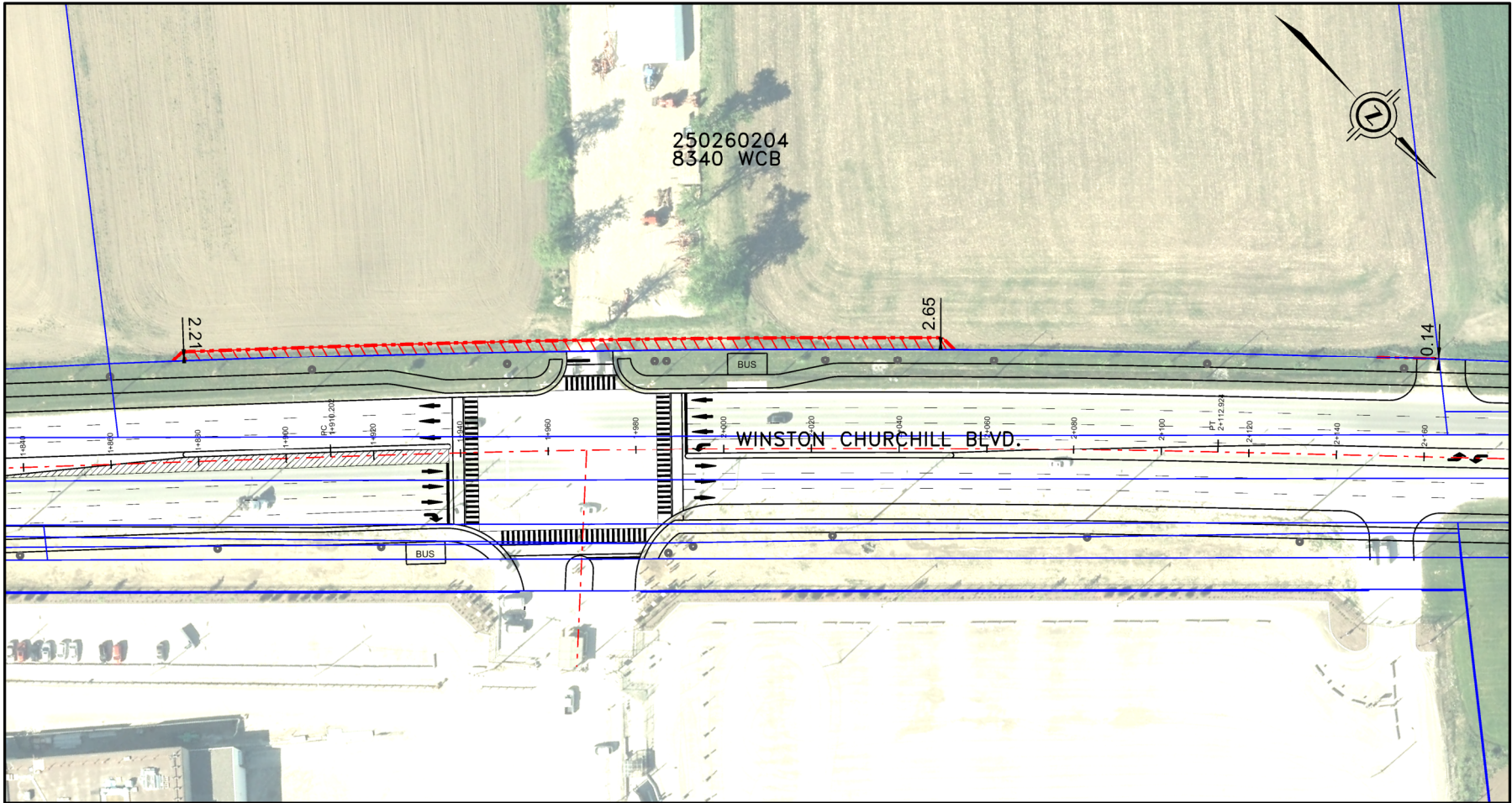
NOTE: MEASUREMENTS ARE APPROXIMATE






LEGEND:

-  FEE SIMPLE
AREA = 171.28m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE

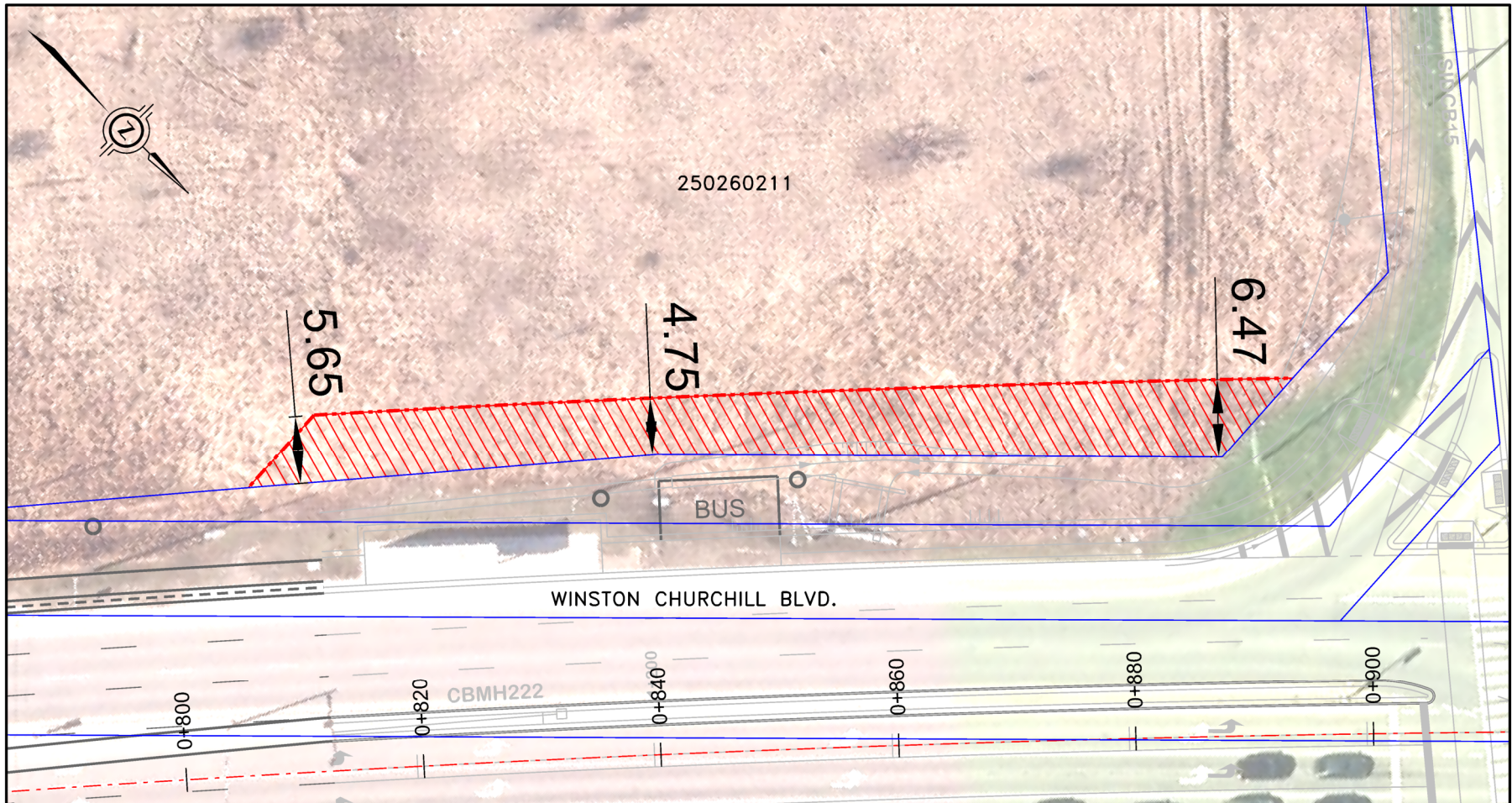


LEGEND:




-  FEE SIMPLE
AREA = 431.00m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



NOTE: MEASUREMENTS ARE APPROXIMATE

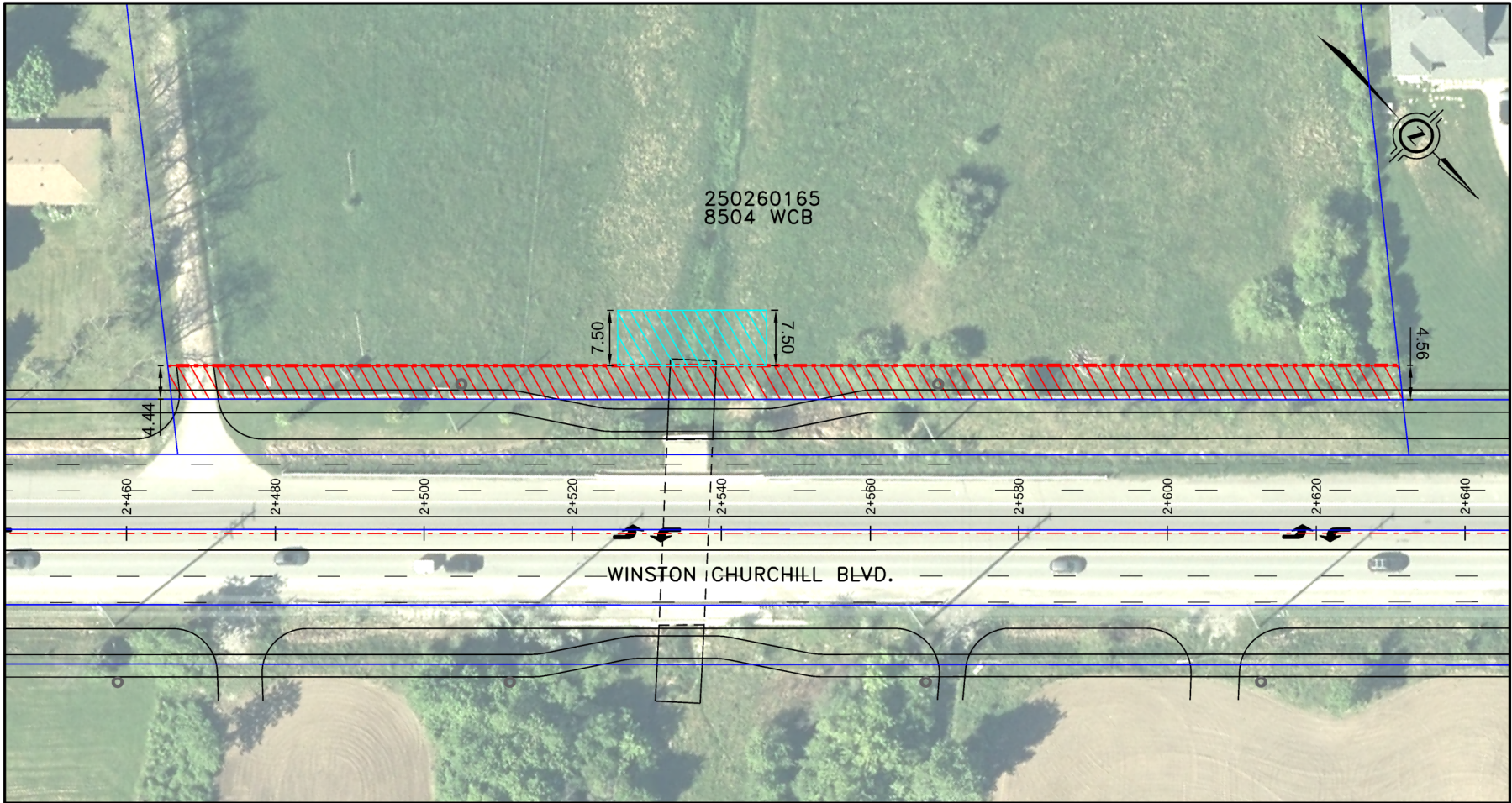


LEGEND:





-  FEE SIMPLE
AREA = 457.86m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



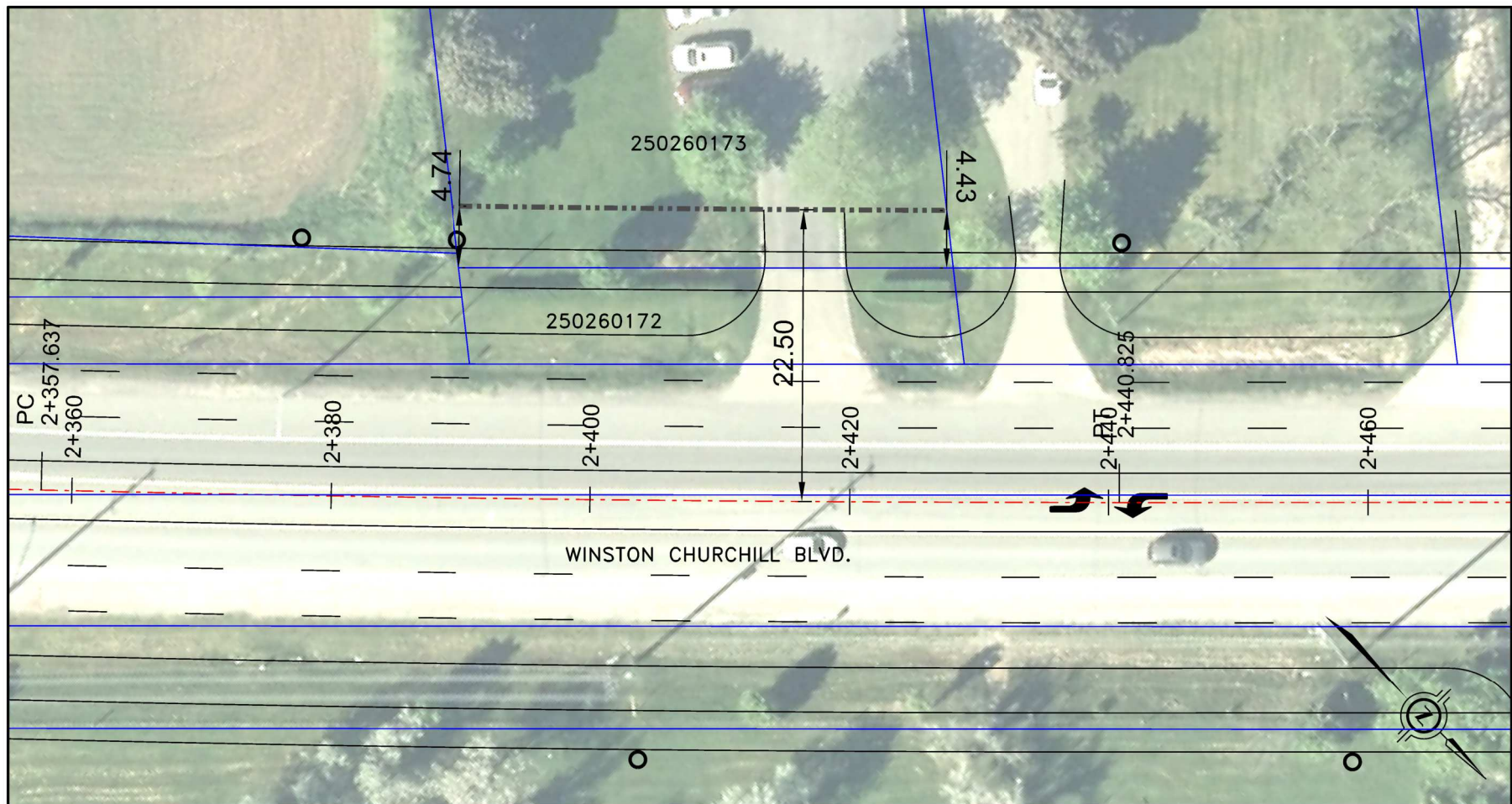
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

-  FEE SIMPLE
AREA = 745.05m²
-  PERMANENT EASEMENT
AREA = 150.00m²
- *FOR FUTURE MAINTENANCE
ACCESS TO STRUCTURAL
CULVERT
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE

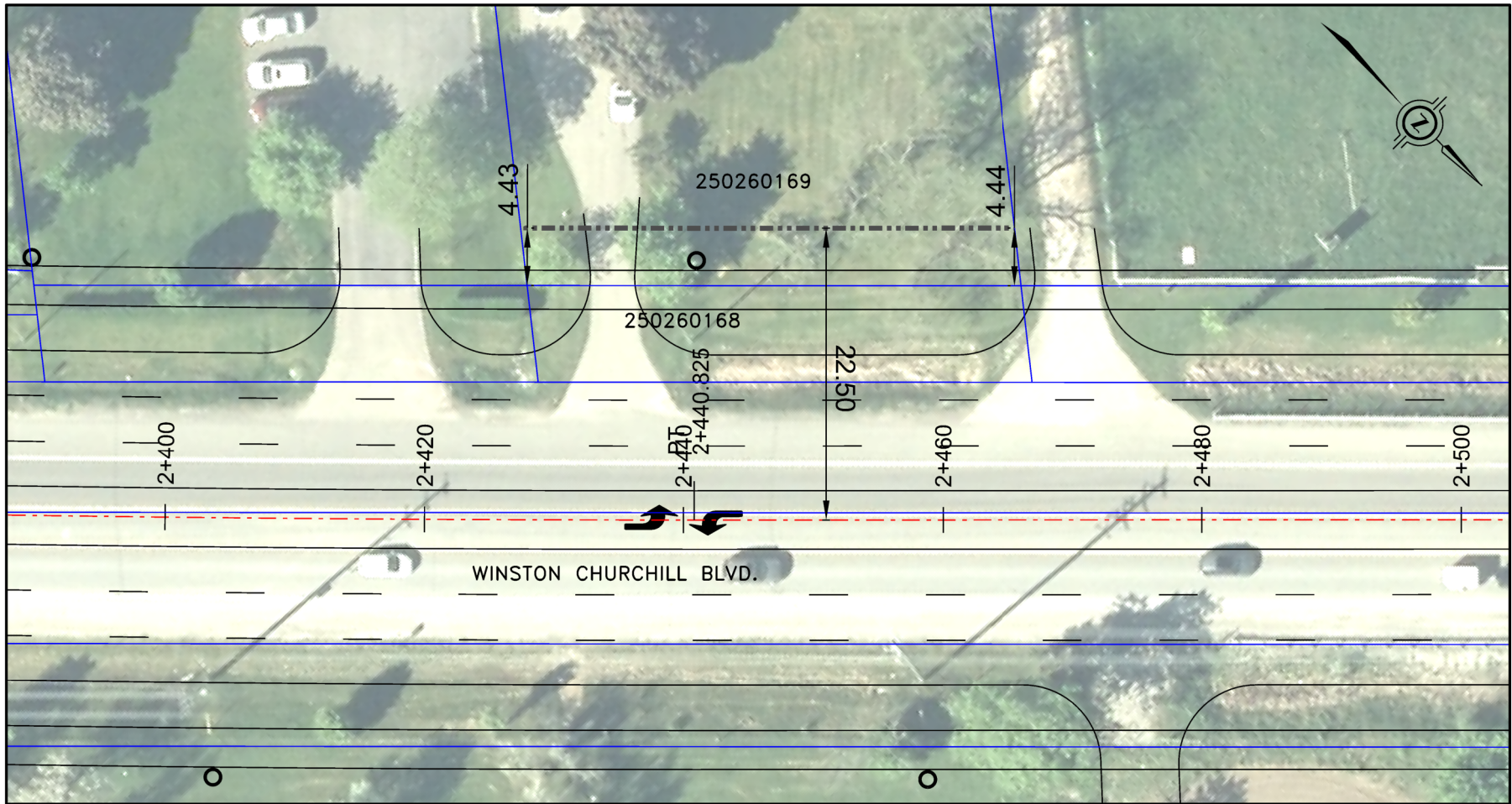
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

- ULTIMATE ROW REQUIREMENT
AREA = 173.52 m²
- MITIGATED ROW LIMIT
- EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE

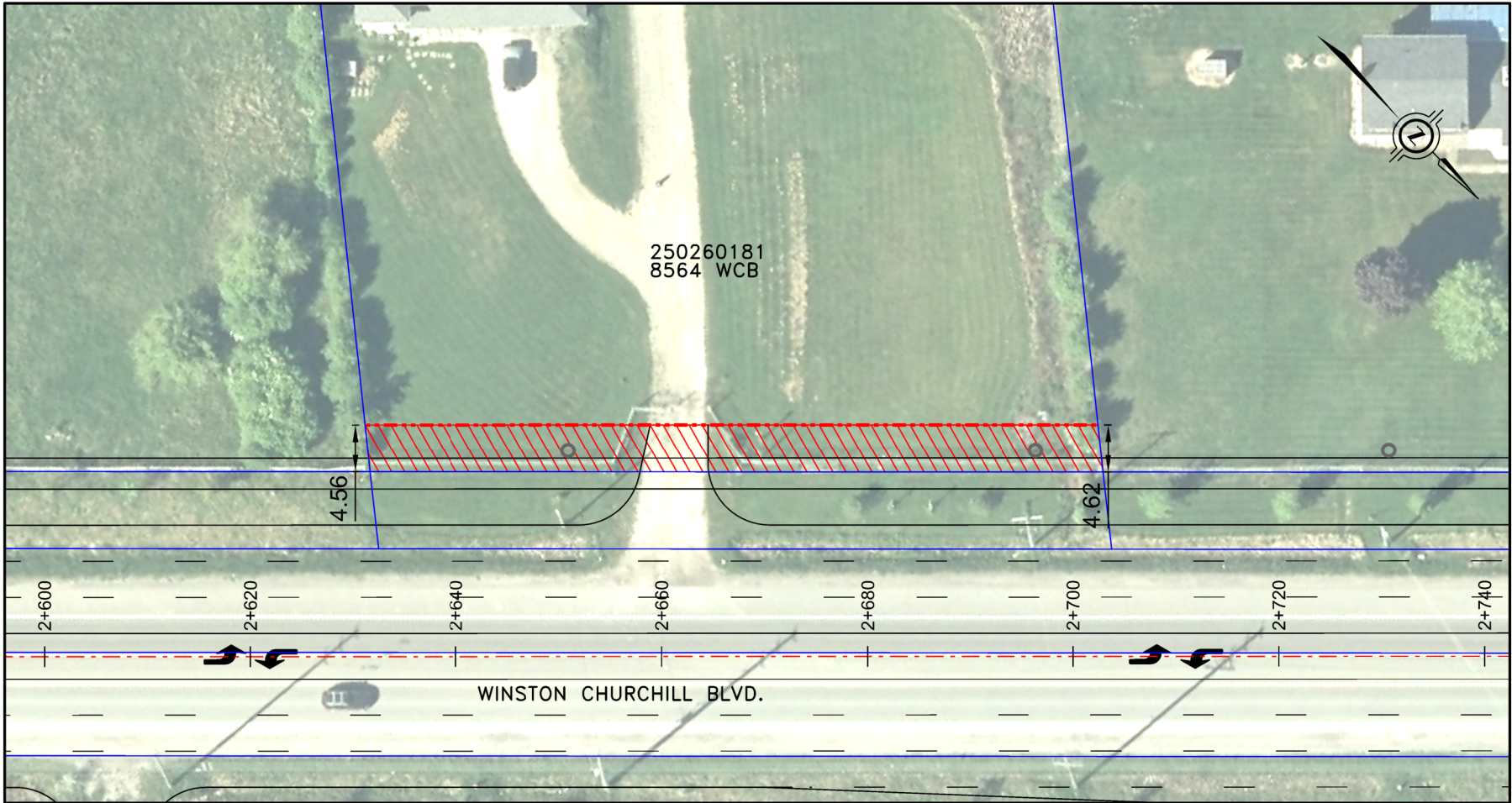


LEGEND:




- ULTIMATE ROW REQUIREMENT
AREA = 168.42m²
- MITIGATED ROW LIMIT
- EXISTING PROPERTY LINE



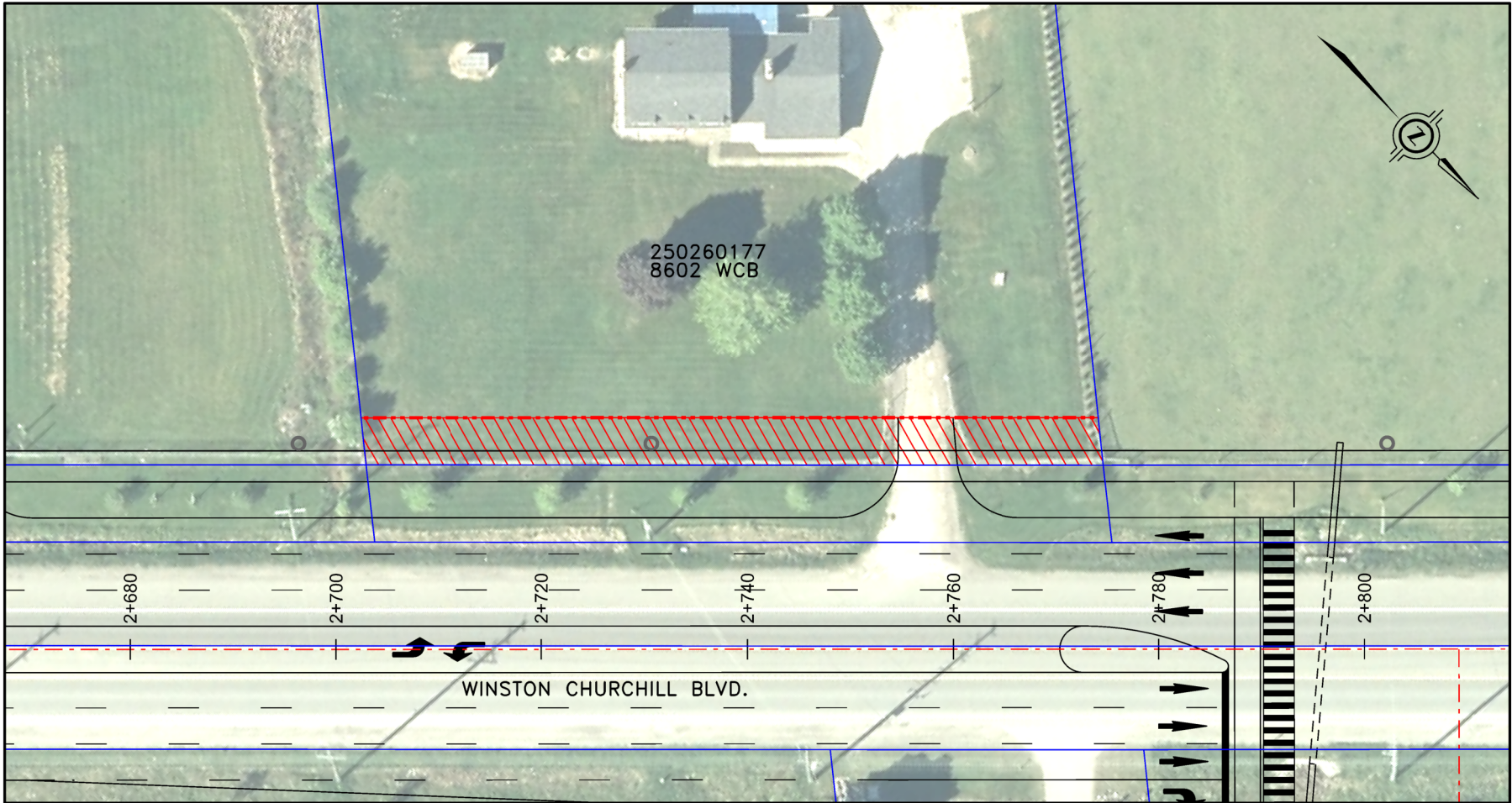
NOTE: MEASUREMENTS ARE APPROXIMATE






LEGEND:

-  FEE SIMPLE
AREA = 327.35m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE

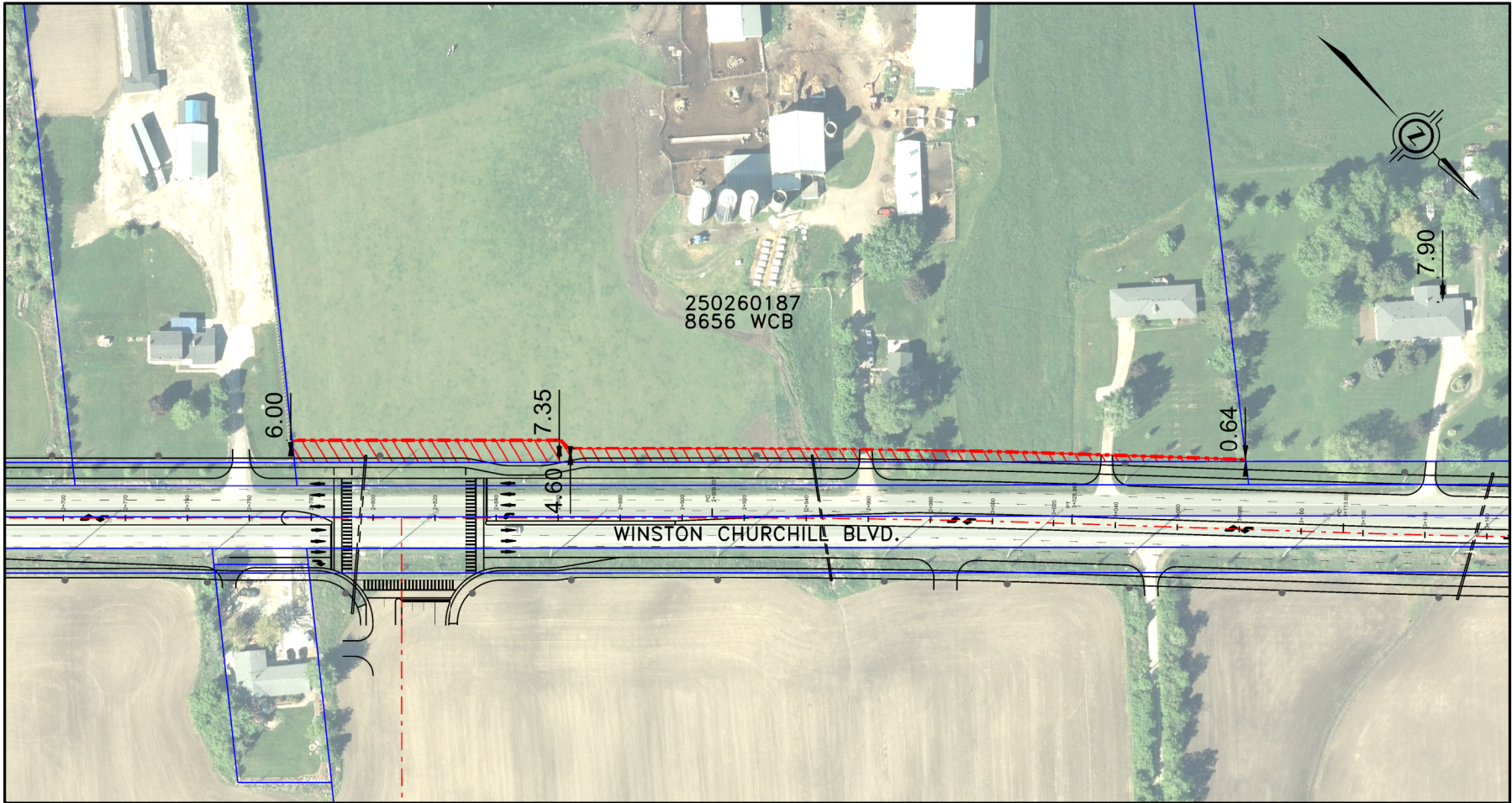
NOTE: MEASUREMENTS ARE APPROXIMATE






LEGEND:

-  FEE SIMPLE
AREA = 333.12m2
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE

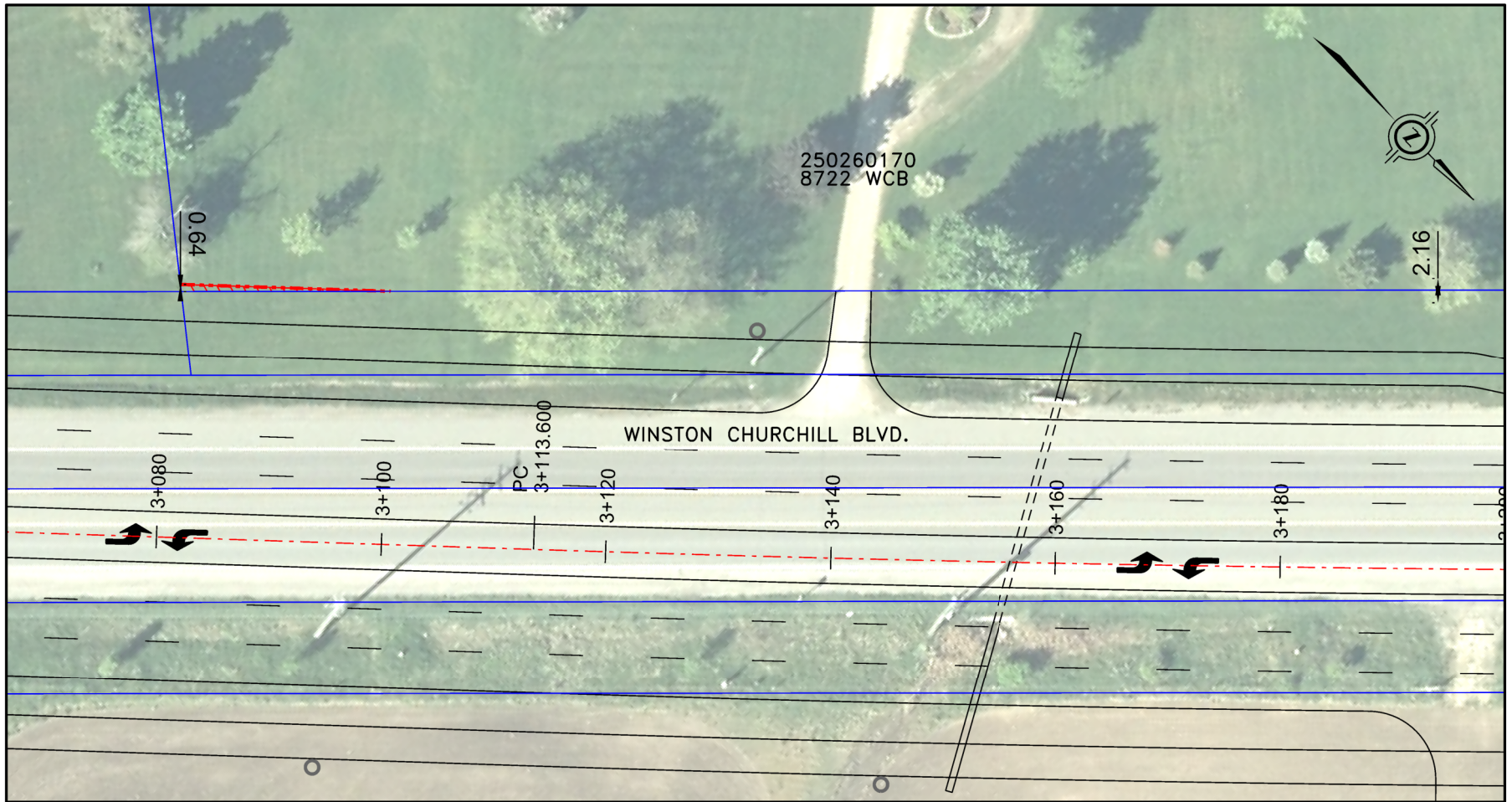


LEGEND:




-  FEE SIMPLE
AREA = 1407.47m2
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



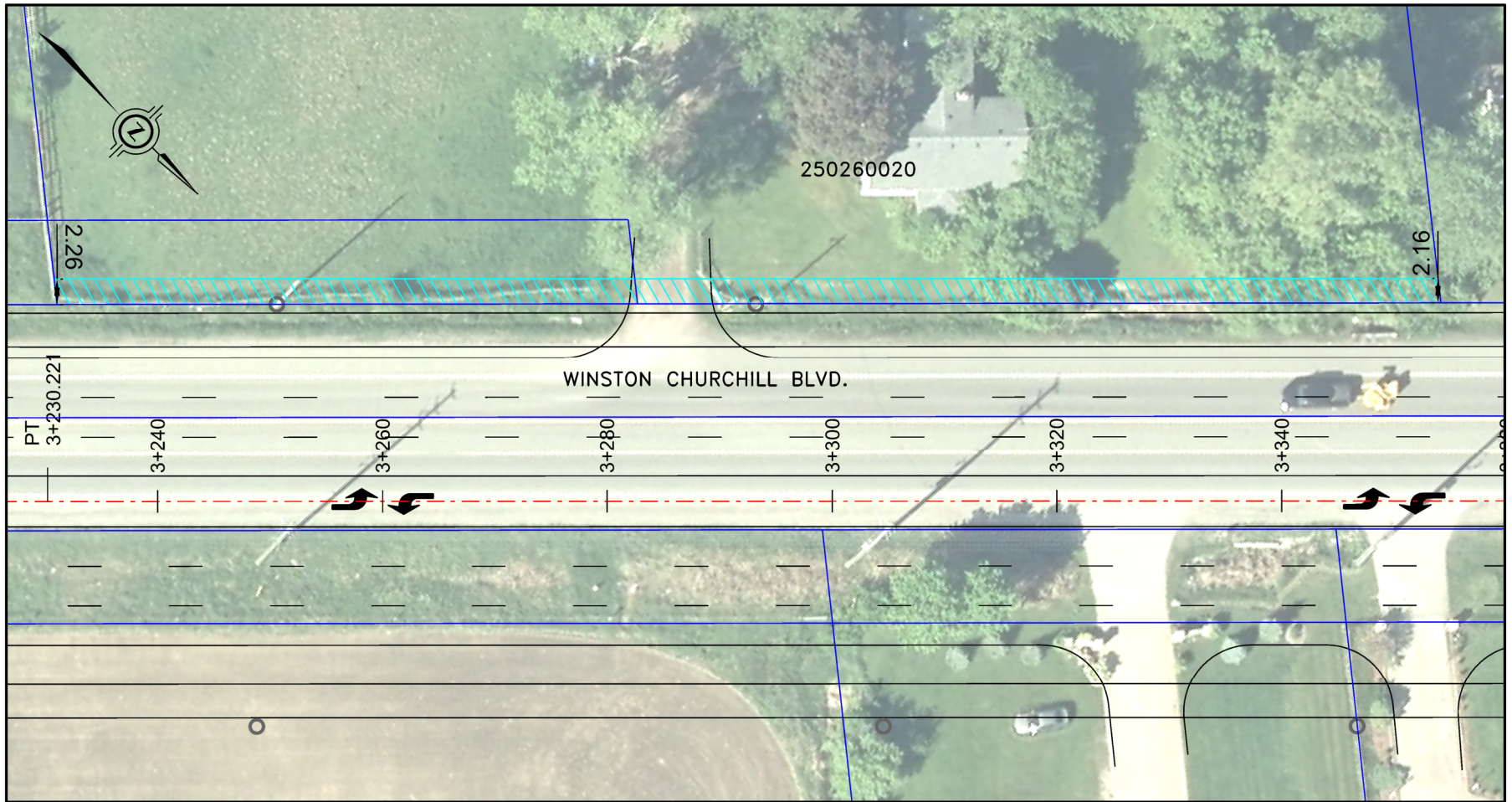
NOTE: MEASUREMENTS ARE APPROXIMATE








LEGEND:

-  FEE SIMPLE
AREA = 38.02m2
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE

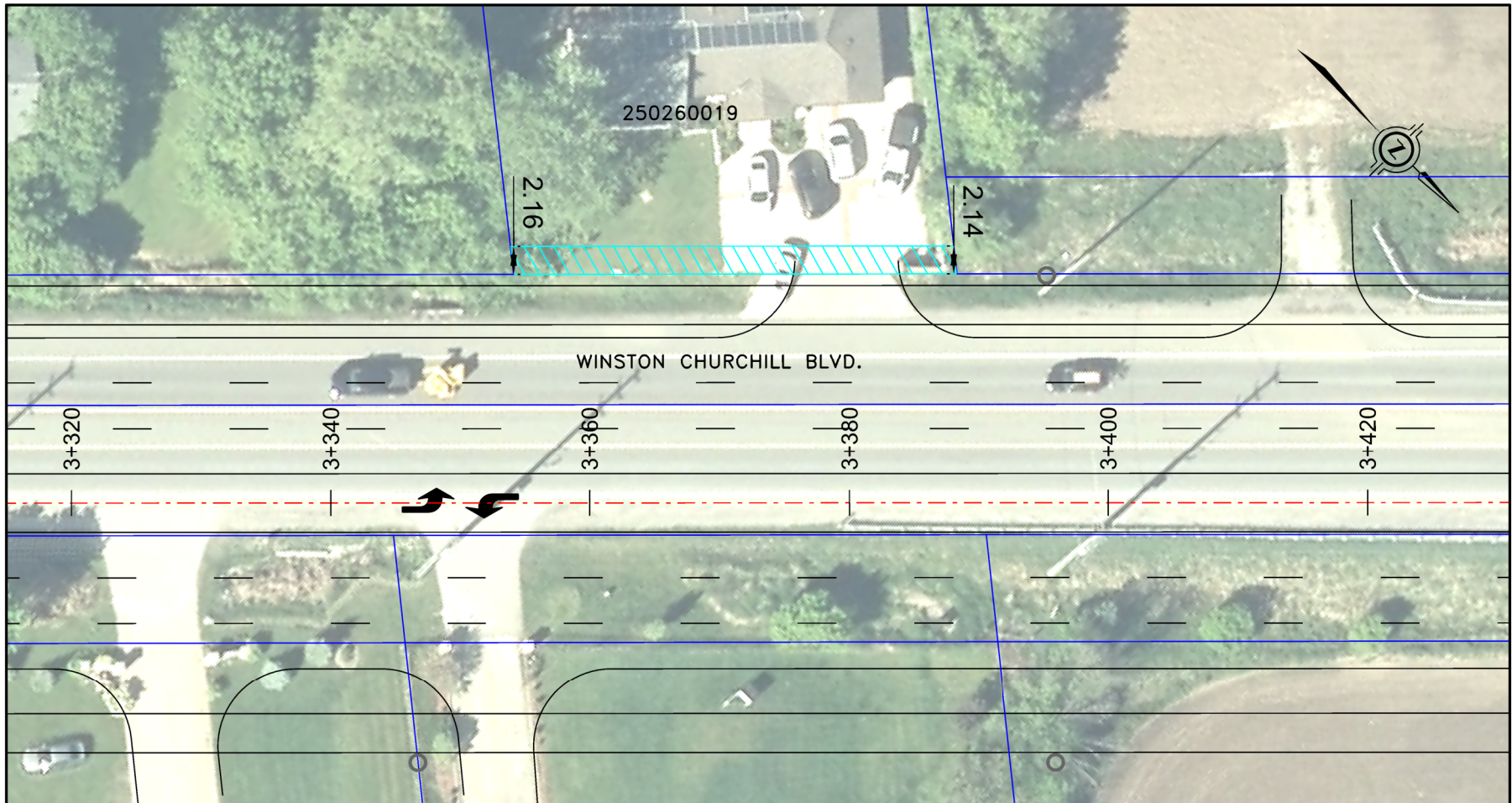
NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

-  PERMANENT EASEMENT
AREA = 255.12m²
-  *FOR RELOCATED POLES,
TO PROVIDE MAINTENANCE
FOR RELOCATED POLES
-  ULTIMATE ROW REQUIREMENT
-  MITIGATED ROW LIMIT
-  EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:



PERMANENT EASEMENT
AREA = 78.36m²

*FOR RELOCATED POLES,
TO PROVIDE MAINTENANCE
FOR RELOCATED POLES



ULTIMATE ROW REQUIREMENT

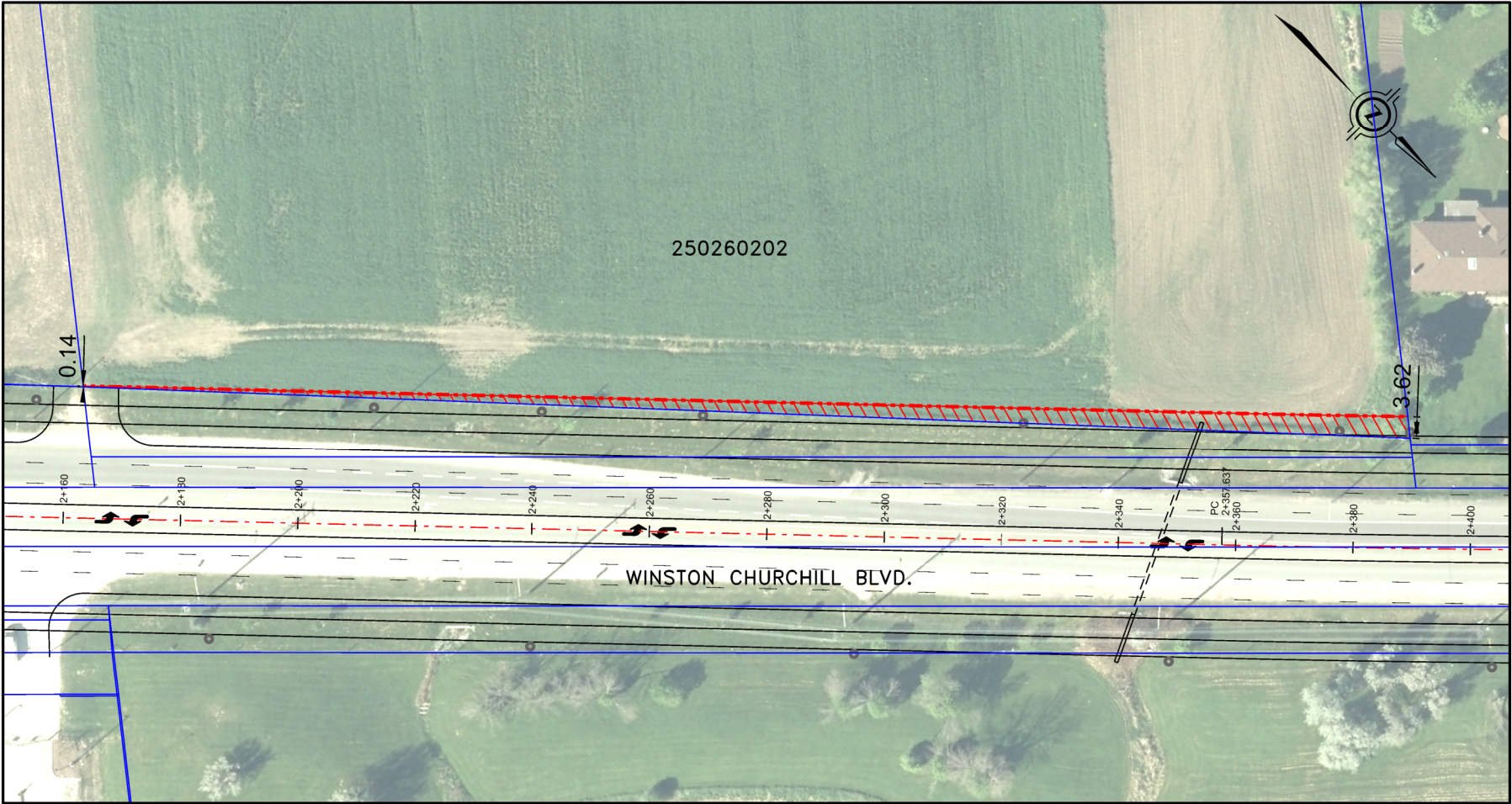


MITIGATED ROW LIMIT






EXISTING PROPERTY LINE

NOTE: MEASUREMENTS ARE APPROXIMATE



LEGEND:

-  FEE SIMPLE
AREA = 411.25m²
-  ULTIMATE ROW REQUIREMENT
-  EXISTING PROPERTY LINE



NOTE: MEASUREMENTS ARE APPROXIMATE

PHASE 2 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: HWY 401 **To:** STEELES AVENUE

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total	
Design/Contract Administration	Design			7%		\$457,144	
	Contract Administration			8%		\$522,450	
	Traffic Maintenance			10%		\$653,063	
	Sub Total					\$1,632,657	
Property Acquisition	Region of Peel	m2		0		\$0	
	Region of Halton	m2		0		\$0	
	Sub Total					\$0	
Utility Relocation	General						
	Other (specify)						
	Contingency (specify %)			20%		\$1,306,126	
Sub Total						\$1,306,126	
Construction	Excavation/Earthworks	m3	\$51.40	30653		\$1,575,551	
	Stripping (0.15 metres depth)	m3	\$5.00	739		\$3,696	
	Granular 'A'	tonne	\$35.40	7740		\$274,010	
	Granular 'B'	tonne	\$31.80	15037		\$478,190	
	Asphalt Base	tonne	\$113.60	4384		\$497,966	
	Asphalt Top	tonne	\$113.60	2521		\$286,386	
	Install curb and gutter	m	\$92.00	1390		\$127,880	
	Install concrete splash pad	m2	\$65.00	695		\$45,175	
	Asphalt removal	m2	\$4.00	9005		\$36,020	
	Silt fence	m	\$18.00	1400		\$25,200	
	Guide rail	m	\$120.00	80		\$9,600	
	Pavement markings and signage	lump sum	\$30,000.00	1		\$30,000	
	Contingency (specify %)				20%		\$677,935
	Sub Total						\$4,067,608
Intersections	Additional turning lane (specify extra lanes and Municipal split)						
	Contingency (specify %)						
	Sub Total						

PHASE 2 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: HWY 401 **To:** STEELES AVENUE

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Streetlights	Street lighting and hydro line relocation	each	\$35,000.00	22		\$808,500
	Contingency (specify %)			20%		\$161,700
	Sub Total					\$970,200
Traffic Signals	Temporary signal allowance	each	\$200,000.00	2		\$420,000
	Contingency (specify %)			20%		\$84,000
	Sub Total					\$504,000
Storm Infrastructure	Stormwater drainage	lump sum	\$1,218,534.38	1		\$1,218,534
	Contingency (specify %)			20%		\$243,707
	Sub Total					\$1,462,241
Culverts	Culvert extensions	lump sum	\$0.00	1		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0
Retaining Wall	Installation and Removal	lump sum	\$200,000.00	1		\$200,000
	Contingency (specify %)			20%		\$40,000
	Sub Total					\$240,000
Noise Walls	Installation					
	Removal of existing					
	Sub Total					
Landscaping/ Sidewalks	Concrete sidewalk	m2	\$124.92	1044		\$130,416
	Concrete median island	m2	\$64.36	2477		\$159,420
	Landscaping	m2	\$17.36	3500		\$60,760
	Contingency (specify %)			20%		\$70,119
	Sub Total					\$420,715
AT Infrastructure	Multi-use path	m2	\$50.00	2730		\$143,325
	Contingency (specify %)			20%		\$28,665
	Sub Total					\$171,990

**CPI = 5%
PROJECT TOTAL**

\$10,775,538

CASH FLOW	Year I	Year II	Year III	Year IV	Total
	\$2,155,108	\$4,310,215	\$4,310,215	\$0	\$10,775,538

PHASE 3 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: 2 km South of Embleton Rd. **To:** Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Design/Contract Administration	Design			7%		\$713,646
	Contract Administration			8%		\$815,595
	Traffic Maintenance			10%		\$1,019,494
	Sub Total					\$2,548,736
Property Acquisition	Region of Peel	m2		1231		\$0
	Region of Halton	m2		693		\$0
	Sub Total					\$0
Utility Relocation	General					
	Other (specify)					
	Contingency (specify %)			20%		\$2,038,989
Sub Total						\$2,038,989
Construction	Excavation/Earthworks	m3	\$51.40	21000		\$1,079,400
	Stripping (0.15 metres depth)	m3	\$5.00	2475		\$12,375
	Granular 'A'	tonne	\$35.40	7209		\$255,194
	Granular 'B'	tonne	\$31.80	17600		\$559,680
	Asphalt Base	tonne	\$113.60	3750		\$426,000
	Asphalt Top	tonne	\$113.60	2734		\$310,582
	Install curb and gutter	m	\$92.00	1390		\$127,880
	Install concrete splash pad	m2	\$65.00	695		\$45,175
	Asphalt removal	m2	\$4.00	43840		\$175,360
	Silt Fence	m	\$18.00	2000		\$36,000
	Guide rail	m	\$120.00	240		\$28,800
	Pavement markings and signage	lump sum	\$60,000.00	1		\$60,000
	Contingency (specify %)			20%		\$623,289
Sub Total						\$3,739,736
Intersections	Additional turning lane (specify extra lanes and Municipal split)					
	Contingency (specify %)					
	Sub Total					

PHASE 3 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: 2 km South of Embleton Rd. **To:** Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Streetlights	Street lighting and hydro line relocation	each	\$35,000.00	73		\$2,682,750
	Contingency (specify %)			20%		\$536,550
	Sub Total					\$3,219,300
Traffic Signals	Temporary signal allowance	each	\$200,000.00	2		\$420,000
	Contingency (specify %)			20%		\$84,000
	Sub Total					\$504,000
Storm Infrastructure	Stormwater drainage	lump sum	\$0.00	1		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0
Culverts	Culvert extensions	lump sum	\$2,891,466.62	1		\$2,891,467
	Contingency (specify %)			20%		\$578,293
	Sub Total					\$3,469,760
Retaining Wall	Installation and Removal	lump sum	\$100,000.00	1		\$100,000
	Contingency (specify %)			20%		\$20,000
	Sub Total					\$120,000
Noise Walls	Installation					
	Removal of existing					
	Sub Total					
Landscaping/ Sidewalks	Concrete sidewalk	m2	\$124.92	0		\$0
	Concrete median island	m2	\$64.36	110		\$7,080
	Landscaping	m2	\$17.36	20000		\$347,200
	Contingency (specify %)			20%		\$70,856
Sub Total					\$425,136	
AT Infrastructure	Multi-use path	m2	\$50.00	12000		\$630,000
	Contingency (specify %)			20%		\$126,000
	Sub Total					\$756,000

**CPI = 5%
PROJECT TOTAL**

\$16,821,656

CASH FLOW	Year I	Year II	Year III	Year IV	Total
		\$3,364,331	\$6,728,662	\$6,728,662	\$0

PHASE 4 PRELIMINARY CONSTRUCTION ESTIMATE
ROAD Winston Churchill Blvd.
From: 2 km South of Embleton Rd. **To:** Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Design/Contract Administration	Design			7%		\$537,460
	Contract Administration			8%		\$614,240
	Traffic Maintenance			10%		\$767,801
	Sub Total					\$1,919,501
Property Acquisition	Region of Peel	m2		0		\$0
	Region of Halton	m2		0		\$0
	Sub Total					\$0
Utility Relocation	General					
	Other (specify)					
	Contingency (specify %)			20%		\$1,535,601
Sub Total						\$1,535,601
Construction	Excavation/Earthworks	m3	\$51.40	21675		\$1,114,095
	Stripping (0.15 metres depth)	m3	\$5.00	8976		\$44,880
	Granular 'A'	tonne	\$35.40	5965		\$211,149
	Granular 'B'	tonne	\$31.80	28789		\$915,476
	Asphalt Base	tonne	\$113.60	10598		\$1,203,916
	Asphalt Top	tonne	\$113.60	2896		\$329,031
	Install curb and gutter	m	\$92.00	2040		\$187,680
	Install concrete splash pad	m2	\$65.00	1080		\$70,200
	Asphalt removal	m2	\$4.00	8430		\$33,720
	Silt Fence	m	\$18.00	2600		\$46,800
	Guide rail	m	\$120.00	160		\$19,200
	Pavement markings and signage	lump sum	\$60,000.00	1		\$60,000
	Contingency (specify %)			20%		\$847,229
	Sub Total					
Intersections	Additional turning lane (specify extra lanes and Municipal split)					
	Contingency (specify %)					
	Sub Total					

PHASE 4 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: 2 km South of Embleton Rd. **To:** Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Streetlights	Street lighting and hydro line relocation	each	\$35,000.00	0		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0
Traffic Signals	Temp. & Perm. Signal Allowance	each	\$200,000.00	2		\$400,000
	Contingency (specify %)			20%		\$80,000
	Sub Total					\$480,000
Storm Infrastructure	Stormwater drainage	lump sum	\$2,648,987.78	1		\$2,648,988
	Contingency (specify %)			20%		\$529,798
	Sub Total					\$3,178,785
Culverts	Culvert extensions	lump sum	\$0.00	1		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0
Retaining Wall	Installation and Removal	lump sum	\$0.00	1		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0
Noise Walls	Installation					
	Removal of existing					
	Sub Total					
Landscaping/ Sidewalks	Concrete sidewalk	m2	\$124.92	108		\$13,491
	Concrete median island	m2	\$64.36	500		\$32,180
	Landscaping	m2	\$17.36	20000		\$347,200
	Contingency (specify %)			20%		\$78,574
	Sub Total					\$471,446
AT Infrastructure	Multi-use path	m2	\$0.00	0		\$0
	Contingency (specify %)			20%		\$0
	Sub Total					\$0

CPI = 5%
PROJECT TOTAL

\$12,668,708

CASH FLOW	Year I	Year II	Year III	Year IV	Total
	\$2,533,742	\$5,067,483	\$5,067,483	\$0	\$12,668,708

PHASE 5 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: Steeles Ave. To: 2 km South of Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Design/Contract Administration	Design			7%		\$656,531
	Contract Administration			8%		\$750,321
	Traffic Maintenance			10%		\$937,901
	Sub Total					\$2,344,753
Property Acquisition	Region of Peel	m2		3516		\$0
	Region of Halton	m2		3534		\$0
	Sub Total					\$0
Utility Relocation	General					
	Other (specify)					
	Contingency (specify %)			20%		\$1,875,802
Sub Total						\$1,875,802
Construction	Excavation/Earthworks	m3	\$51.40	18446		\$948,109
	Stripping (0.15 metres depth)	m3	\$5.00	1008		\$5,041
	Granular 'A'	tonne	\$35.40	5069		\$179,434
	Granular 'B'	tonne	\$31.80	16557		\$526,515
	Asphalt Base	tonne	\$113.60	5027		\$571,118
	Asphalt Top	tonne	\$113.60	2622		\$297,859
	Install curb and gutter	m	\$92.00	2000		\$184,000
	Install concrete splash pad	m2	\$65.00	1000		\$65,000
	Asphalt removal	m2	\$4.00	22100		\$88,400
	Silt fence	m	\$18.00	1000		\$18,000
	Guide rail	m	\$120.00	80		\$9,600
	Pavement markings and signage	lump sum	\$30,000.00	1		\$30,000
	Contingency (specify %)			20%		\$584,615
	Sub Total					
Intersections	Additional turning lane (specify extra lanes and Municipal split)					
	Contingency (specify %)					
	Sub Total					

PHASE 5 PRELIMINARY CONSTRUCTION ESTIMATE

ROAD Winston Churchill Blvd.
From: Steeles Ave. **To:** 2 km South of Embleton Rd.

Component/ Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total
Streetlights	Street lighting and hydro line relocation	each	\$35,000.00	53		\$1,947,750
	Contingency (specify %)			20%		\$389,550
	Sub Total					\$2,337,300
Traffic Signals	Temporary signal allowance	each	\$200,000.00	3		\$600,000
	Contingency (specify %)			20%		\$120,000
	Sub Total					\$720,000
Storm Infrastructure	Stormwater drainage	lump sum	\$1,508,598.54	1		\$1,508,599
	Contingency (specify %)			20%		\$301,720
	Sub Total					\$1,810,318
Culverts	Culvert extensions	lump sum	\$1,735,858.00	1		\$1,735,858
	Contingency (specify %)			20%		\$347,172
	Sub Total					\$2,083,030
Retaining Wall	Installation and Removal	lump sum	\$200,000.00	1		\$200,000
	Contingency (specify %)			20%		\$40,000
	Sub Total					\$240,000
Noise Walls	Installation					
	Removal of existing					
	Sub Total					
Landscaping/ Sidewalks	Concrete sidewalk	m2	\$124.92	4		\$450
	Concrete median island	m2	\$64.36	568		\$36,524
	Landscaping	m2	\$17.36	6438		\$111,755
	Contingency (specify %)			20%		\$29,746
Sub Total					\$178,475	
AT Infrastructure	Multi-use path	m2	\$50.00	6000		\$315,000
	Contingency (specify %)			20%		\$63,000
	Sub Total					\$378,000

CPI = 5%
PROJECT TOTAL

\$15,475,369

CASH FLOW	Year I	Year II	Year III	Year IV	Total
		\$3,095,074	\$6,190,148	\$6,190,148	\$0