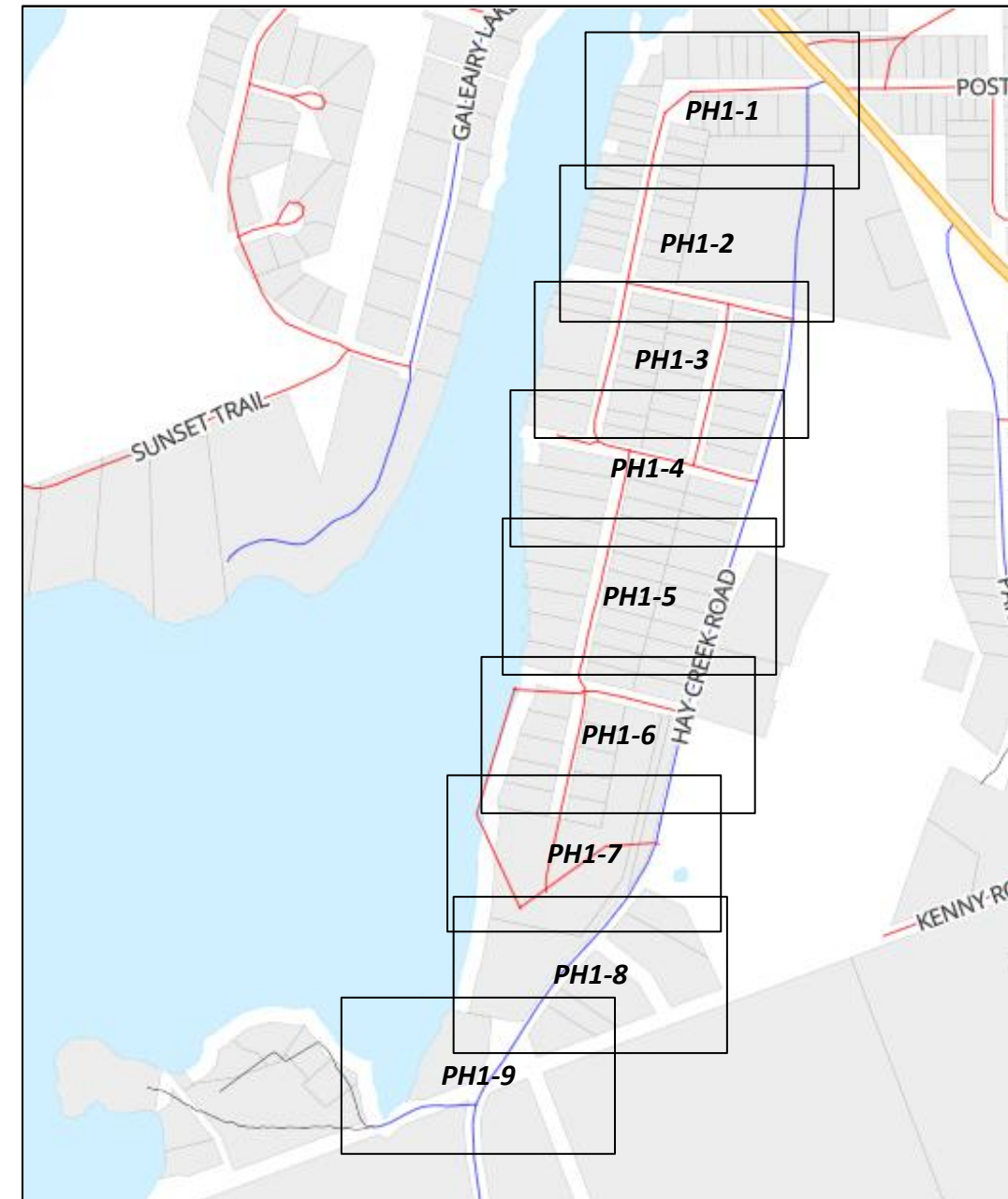
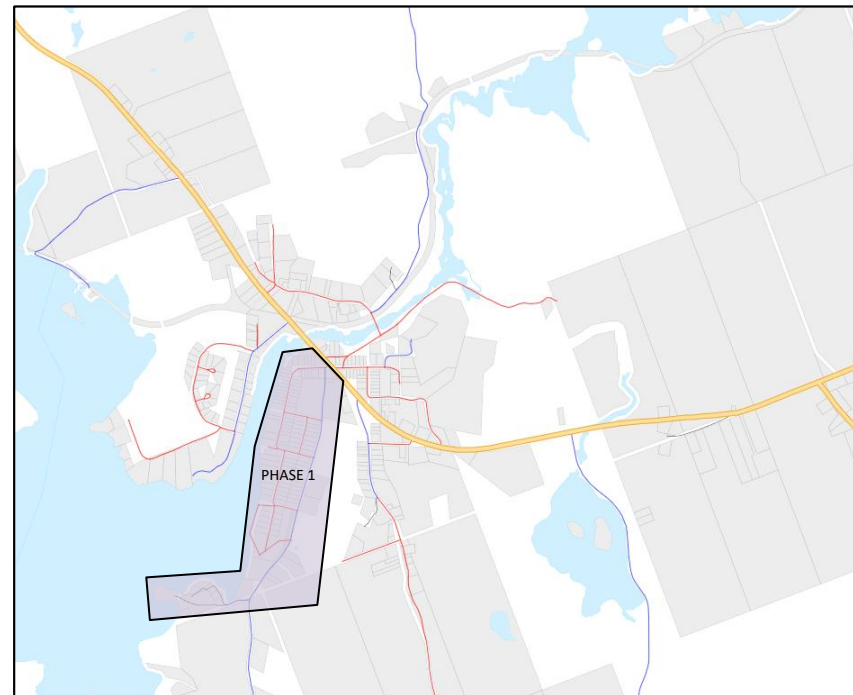




**FIBRE-TO-THE-HOME INFRASTRUCTURE BUILD
PHASE 1
WHITNEY, SOUTH ALGONQUIN TOWNSHIP, ONTARIO**



CONTACTS

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CONSTRUCTION NOTES

- INSTALLATION OF CONDUITS WILL BE BY MEANS OF VIBRATORY PLOW, DIRECTIONAL DRILL, AND OPEN TRENCH
- INSTALLATION WILL HAPPEN BETWEEN EDGE OF PAVEMENT AND PROPERTY LINE. PERFERED LOCATION IS CLOSER TO PROPERTY LINE WHEN CONDITIONS PERMIT
- ROAD CROSSINGS WILL BE DIRECTIONAL DRILLED AT 90 DEGREES WITH EXCEPTION TO HAY CREEK RD. THESE CAN BE OPEN TRENCHED AT 90 DEGREES AND BACKFILLED APPROPREATELY PRIOR TO UPCOMING ROAD RESURFACING
- PEDESTALS TO BE PLACED WITH OTHER INFRASTRUCTURE SUCH AS POLES AND OTHER COMMUNICATION PEDESTALLS WHEN CONDITIONS PERMIT
- CULVERT DIP TECHNIQUE TO BE USED WHEN DUCT CANNOT BE TRENCHED AROUND THE END OF THE CULVERT (SEE DETAIL)

- CONTACT ALL UTILITIES FOR LOCATES PRIOR TO CONSTRUCTION

- THE LOCATION AND DEPTH OF ALL THE EXISTING STORM SEWERS MUST BE CONFIRMED

- THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN AS EXACT. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTIED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITIES FOR DAMAGES TO THEM (TEST HOLE EXCAVATION IS REQUIRED FOR LOCATION VERIFICATION OF EXISTING UTILITIES AND STRUCTURES RELEVANT TO THIS CONSTRUCTION).

LANDSCAPING AND/OR GRASS RESTORATION

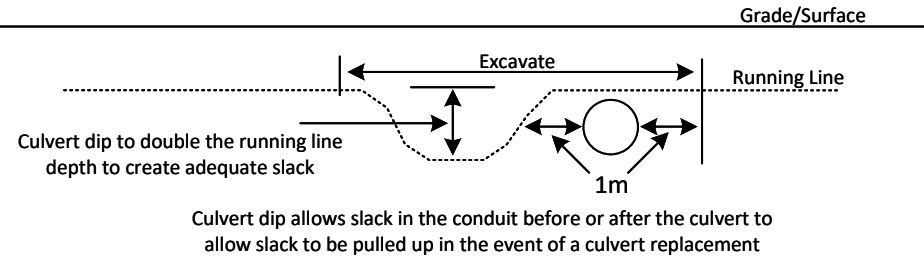
THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION AND MAINTENANCE OF ALL DISTURBED AREAS OF LANDSCAPING AND/OR GRASS. FOR DISTURBED LANDSCAPING AND/OR GRASSY AREAS WITHIN URBAN AREAS, THE CONTRACTOR IS RESPONSIBLE FOR RESTORING BACK TO ACCEPTABLE ORIGINAL (OR NEAR-ORIGINAL) CONDITIONS. THIS INCLUDES EITHER APPLYING TRIPLEMIX TOPSOIL AND RE-SEEDING, OR INSTALLING SOD AND ENSURING THE SURVIVAL OF SOD. IF THE WORK IS PERFORMED DURING THE WINTER SEASON, THESE AREAS SHOULD BE TEMPORARILY FILLED IN AND MAINTAINED SAFELY UNTIL A MORE PERMANENT ACTIVITY CAN BE DONE IN A TIMELY MANNER WHEN CONDITIONS PERMIT. HARD LANDSCAPED FEATURES SHALL BE RESTORED BACK TO THE ORIGINAL CONDITION, ANY SETTLEMENTS SHALL BE REPAIRED.

DITCH AREA RESTORATION

THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DISTURBED AREAS WITHIN DITCHES. THIS INCLUDES THE AREA BETWEEN THE EDGE OF ROAD TO PROPERTY LINE THAT WAS DISTURBED DUE TO WORK BEING DONE ON THE PROPOSED INSTALLATION. IF THE FORE/BACK SLOPES OF DITCH AREAS WERE EXCAVATED, THESE AREAS SHOULD BE BACKFILLED AND COMPACTED TO ORIGINAL CONDITIONS.

MINIMUM CLEARANCES	Vertical Clearance (m)	Horizontal Clearance (m)
Storm Sewers	0.5	0.9
Cross Culverts	1.0	0.3
Entrance Culverts	0.6	0.6
Catch Basins	0.6	N/A
Ditch Centerline	0.9	N/A
Grade (within road)	1.0	N/A
Grade (outside the road)	0.6	N/A
Property Line	0.3	N/A
Edge of Asphalt/sidewalk	0.5	N/A
Maintenance Holes	N/A	0.6
Underground Electrical Utility	1.0	1.0
Underground Communications	0.5	0.5
Utility Poles	0.5	N/A
Street Light Ducts	0.5	0.5
Traffic Signal Ducts	0.5	0.5

CULVERT DIP TECHNIQUE



PEDESTAL

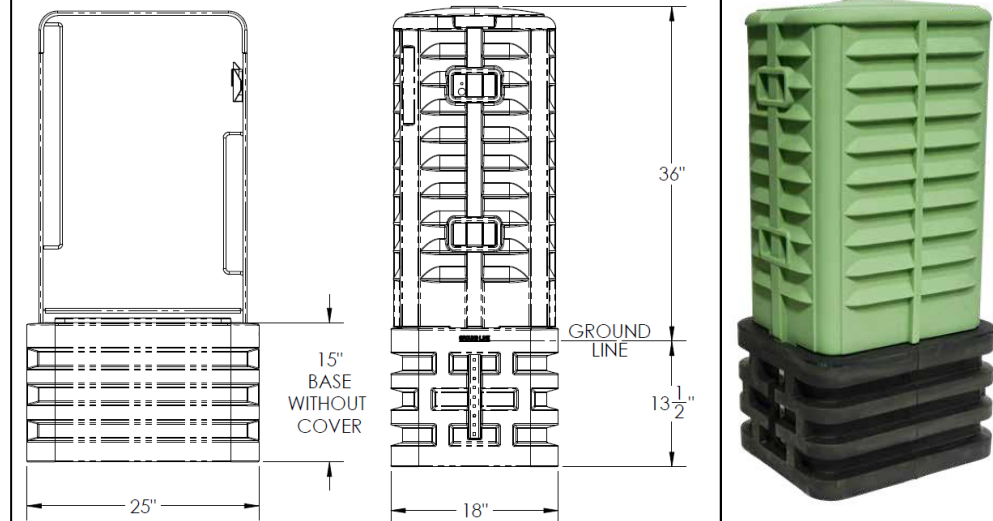
SPH1420150001247

1420 Pedestal

- FEATURES:**
- 14"x20"x36"H (above grade)
 - Constructed of high performance, UV rated thermoplastic
 - Base accommodates multiple ducts and cable
 - Anti-insect venting prevents condensation buildup
 - Self-Lock™ cover enhances security

PERFORMANCE TESTING

- Telcordia GR-13 Core
- UV Resistant Test: ASTM G53-84 / TA-NWT-000487



FLUSH-TO-GRADE VAULT

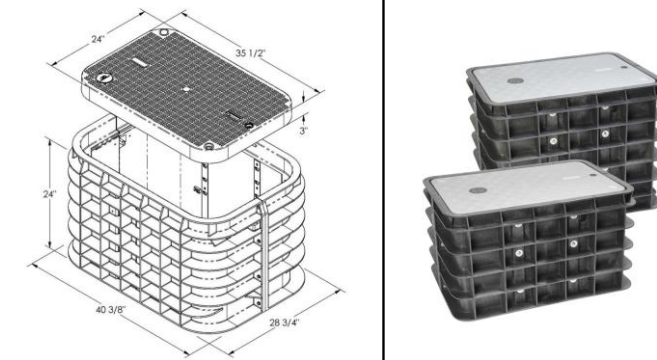
BULK424N07204

24"x36"x24D"

HDPE STRUCTURAL FOAM VAULT
TIER 22 SHIELD COVER

FEATURES:

- BULK HDPE Structural Foam Vault Body – Sidewall load rated to 60,000 lbs;
- SHIELD (Polymer) Split Cover – Load Rated Tier 22 (ANSI/SCTE 77 2010)
- Slip Resistant Tread
- Never Seize Bolt Down Locking, 9/16" stainless steel hex head



FLUSH-TO-GRADE LOT LINE/TOBY BOX

GLB1111161N11A04

11"x11"x16"D

HDPE STRUCTURAL VAULT BODY

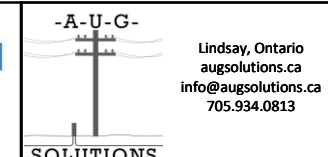
STRUCTURAL FOAM COVER

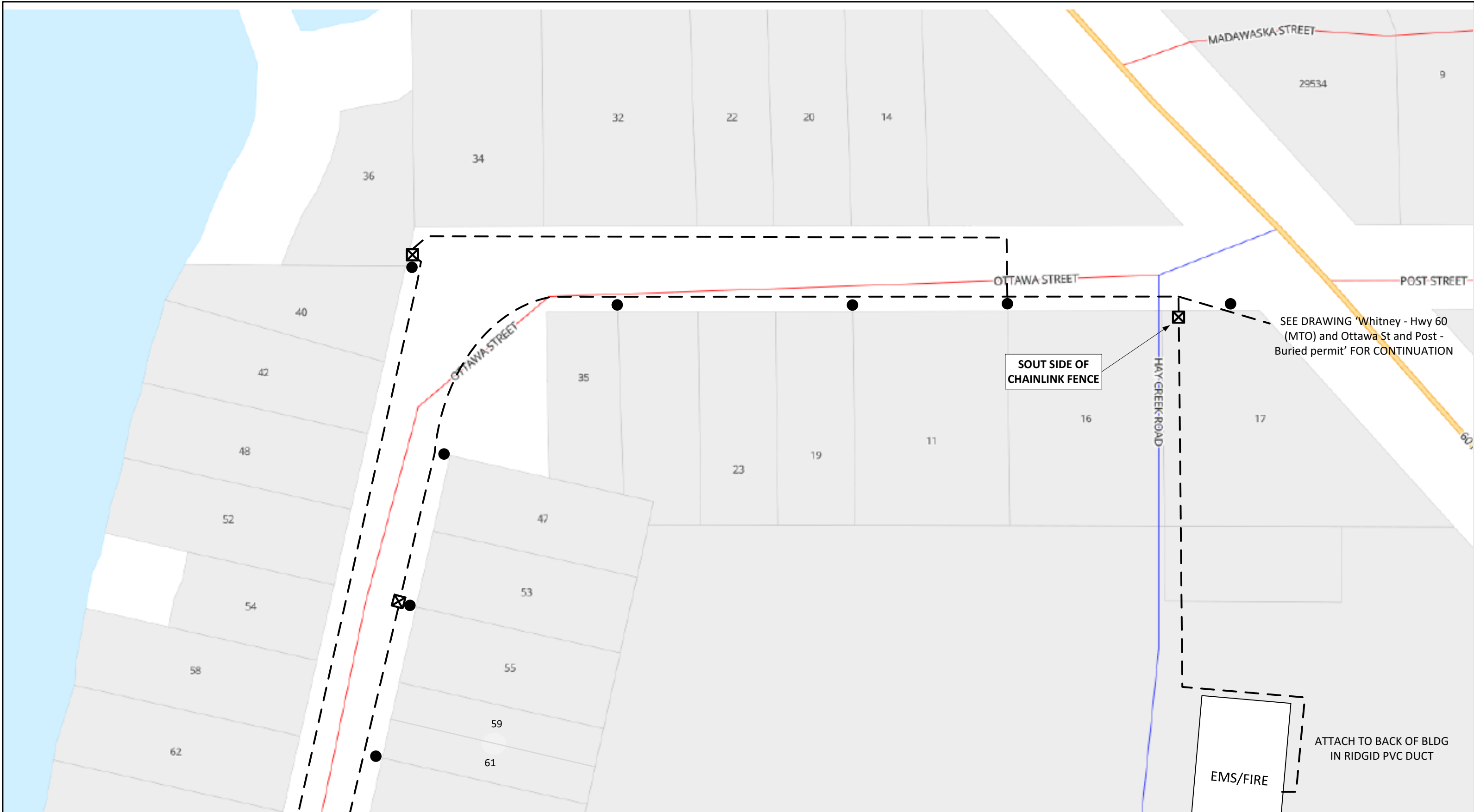
FEATURES:

- 11"x11"x16"D
- HDPE Structural Vault Body
- Green Structural Foam Cover
- T-Style Overlapping Cover
- Non-Skid Surface
- L-Bolt Locking
- Locate Marker

PERFORMANCE TESTING

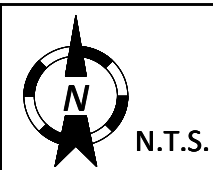
- ASTM C857 A-0.3





SEE DRAWING PH1-2 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL	☒	PROPOSED FIBRE VAULT	☑
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)	☒	EXISTING UTILITY POLE	●
PROPOSED FIBRE CONDUIT	---	EXISTING BELL PEDESTAL	☐



PROJECT:	WHITNEY FTTH-PHASE 1
DRAWING No.:	PH1-1
DATE:	MARCH 20, 2025

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 705.934.0813



SEE DRAWING PH1-1 FOR CONTINUATION

SEE DRAWING PH1-3 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL		PROPOSED FIBRE VAULT	
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)		EXISTING UTILITY POLE	
PROPOSED FIBRE CONDUIT		EXISTING BELL PEDESTAL	



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SEE DRAWING PH1-2 FOR CONTINUATION

SEE DRAWING PH1-4 FOR CONTINUATION

SEE DRAWING PH1-4 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL	☒	PROPOSED FIBRE VAULT	▣
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)	▣	EXISTING UTILITY POLE	●
PROPOSED FIBRE CONDUIT	---	EXISTING BELL PEDESTAL	▣

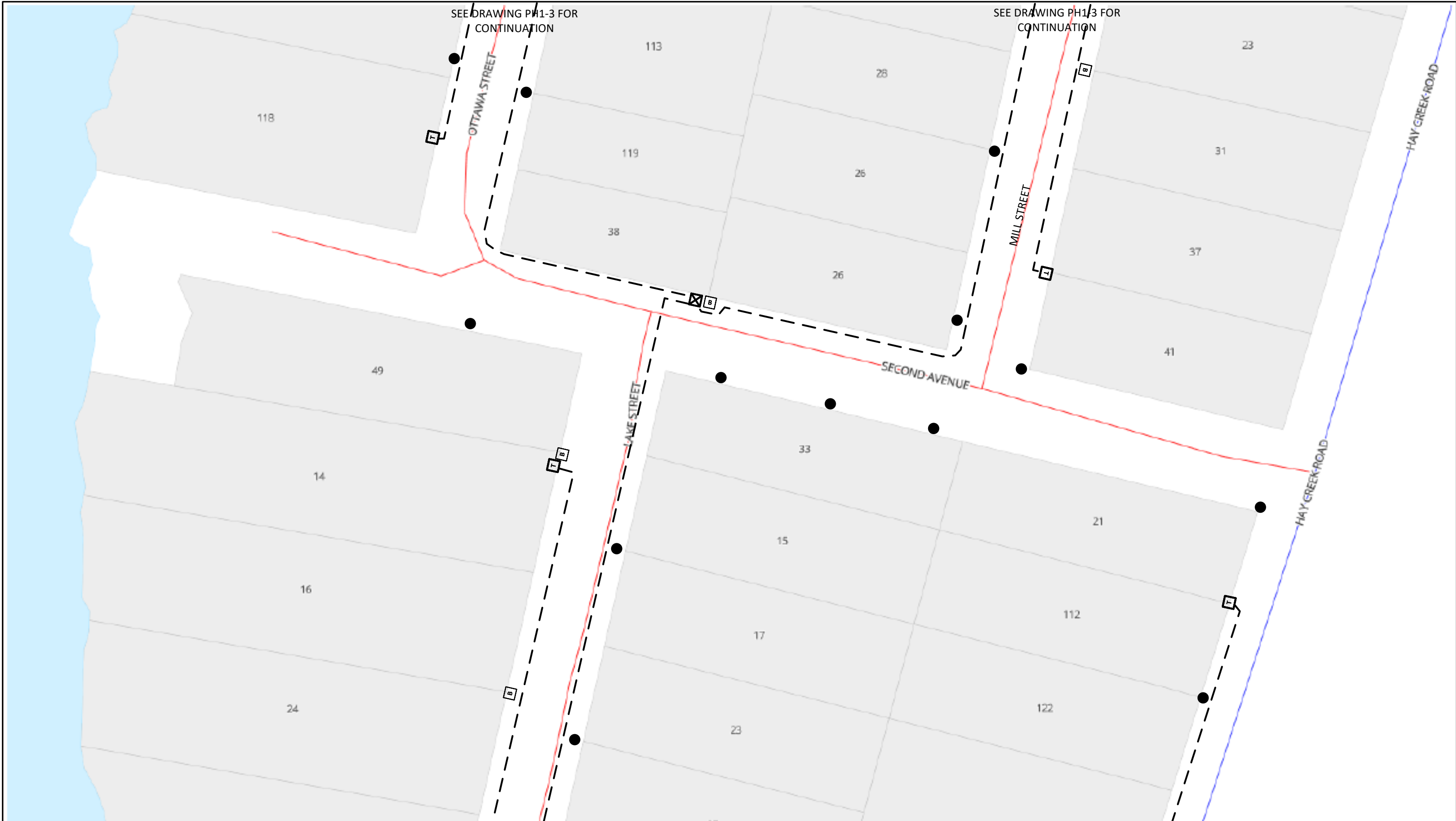


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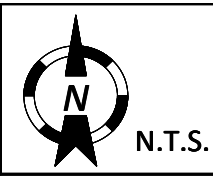
SEE DRAWING PH1-3 FOR CONTINUATION

SEE DRAWING PH1/3 FOR CONTINUATION

SEE DRAWING PH1-5 FOR CONTINUATION

SEE DRAWING PH1-5 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL	☒	PROPOSED FIBRE VAULT	∇
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)	⌈	EXISTING UTILITY POLE	●
PROPOSED FIBRE CONDUIT	---	EXISTING BELL PEDESTAL	Ⓚ

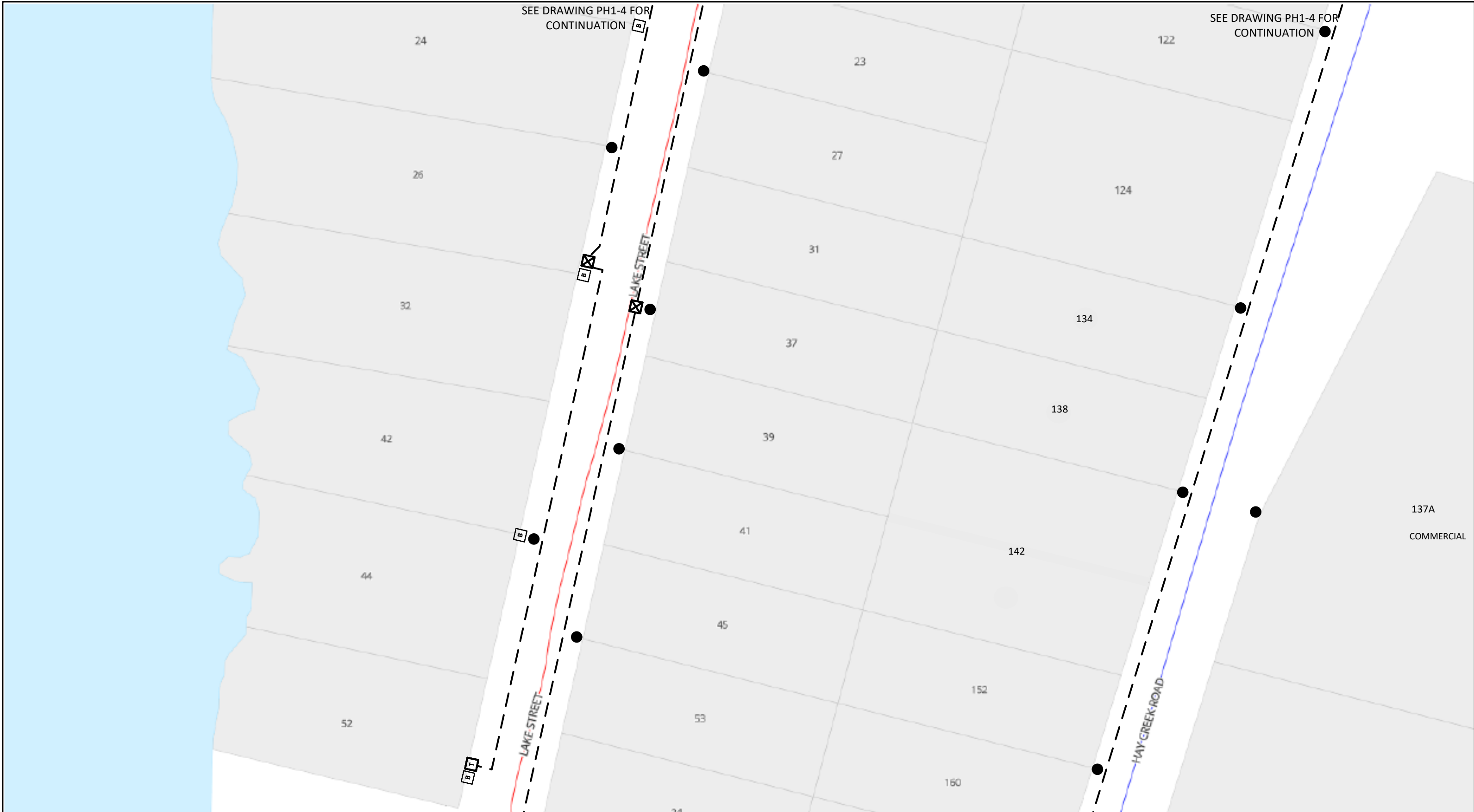


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SEE DRAWING PH1-6 FOR CONTINUATION

SEE DRAWING PH1-6 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL		PROPOSED FIBRE VAULT	
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)		EXISTING UTILITY POLE	
PROPOSED FIBRE CONDUIT		EXISTING BELL PEDESTAL	



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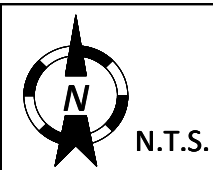
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SEE DRAWING PH1-7 FOR CONTINUATION

SEE DRAWING PH1-7 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL		PROPOSED FIBRE VAULT	
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)		EXISTING UTILITY POLE	
PROPOSED FIBRE CONDUIT		EXISTING BELL PEDESTAL	

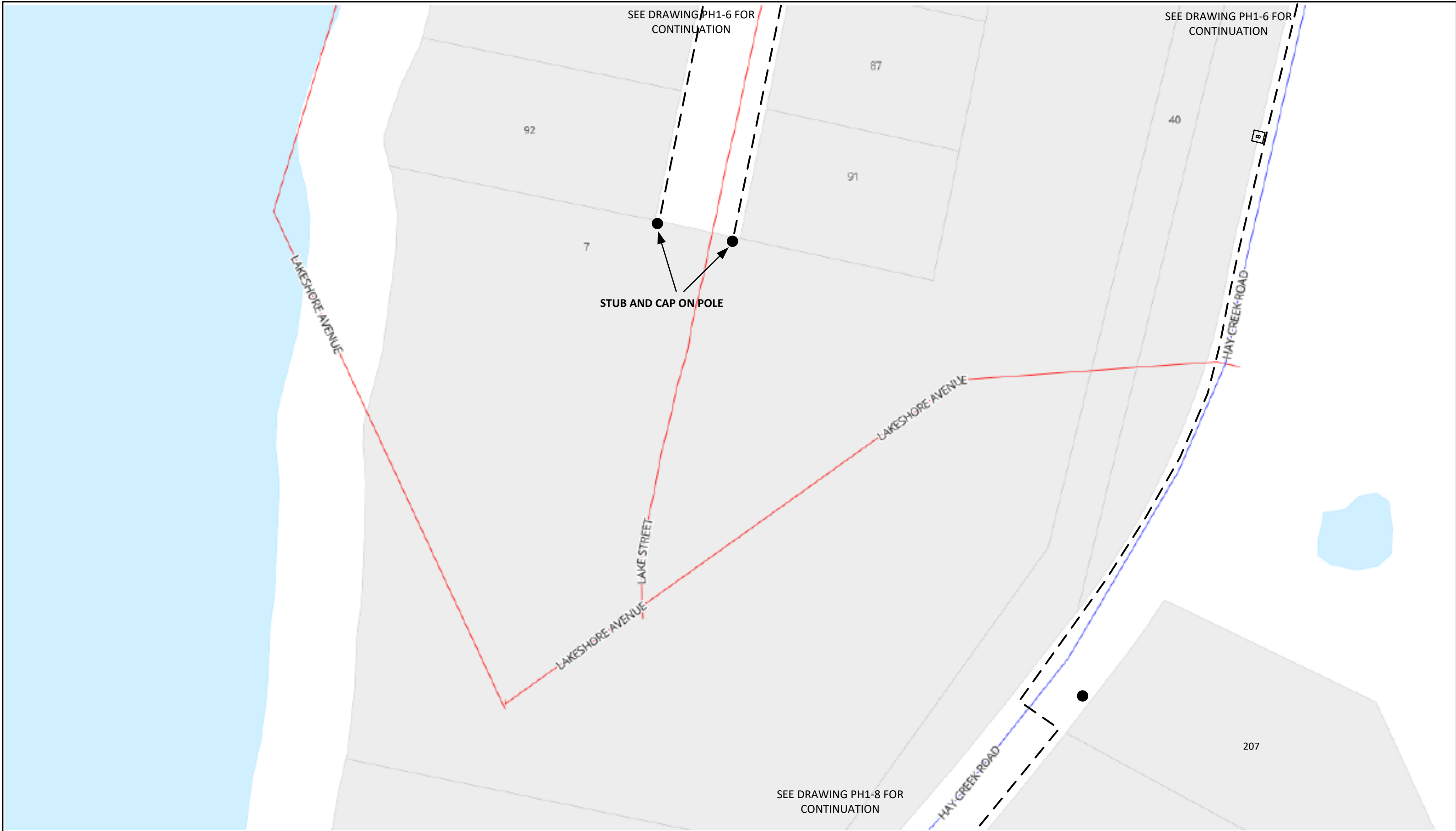


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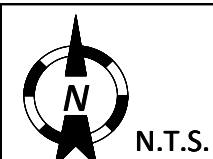
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PROPOSED FIBRE PEDESTAL	☒	PROPOSED FIBRE VAULT	☑
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)	☒	EXISTING UTILITY POLE	●
PROPOSED FIBRE CONDUIT	---	EXISTING BELL PEDESTAL	☒

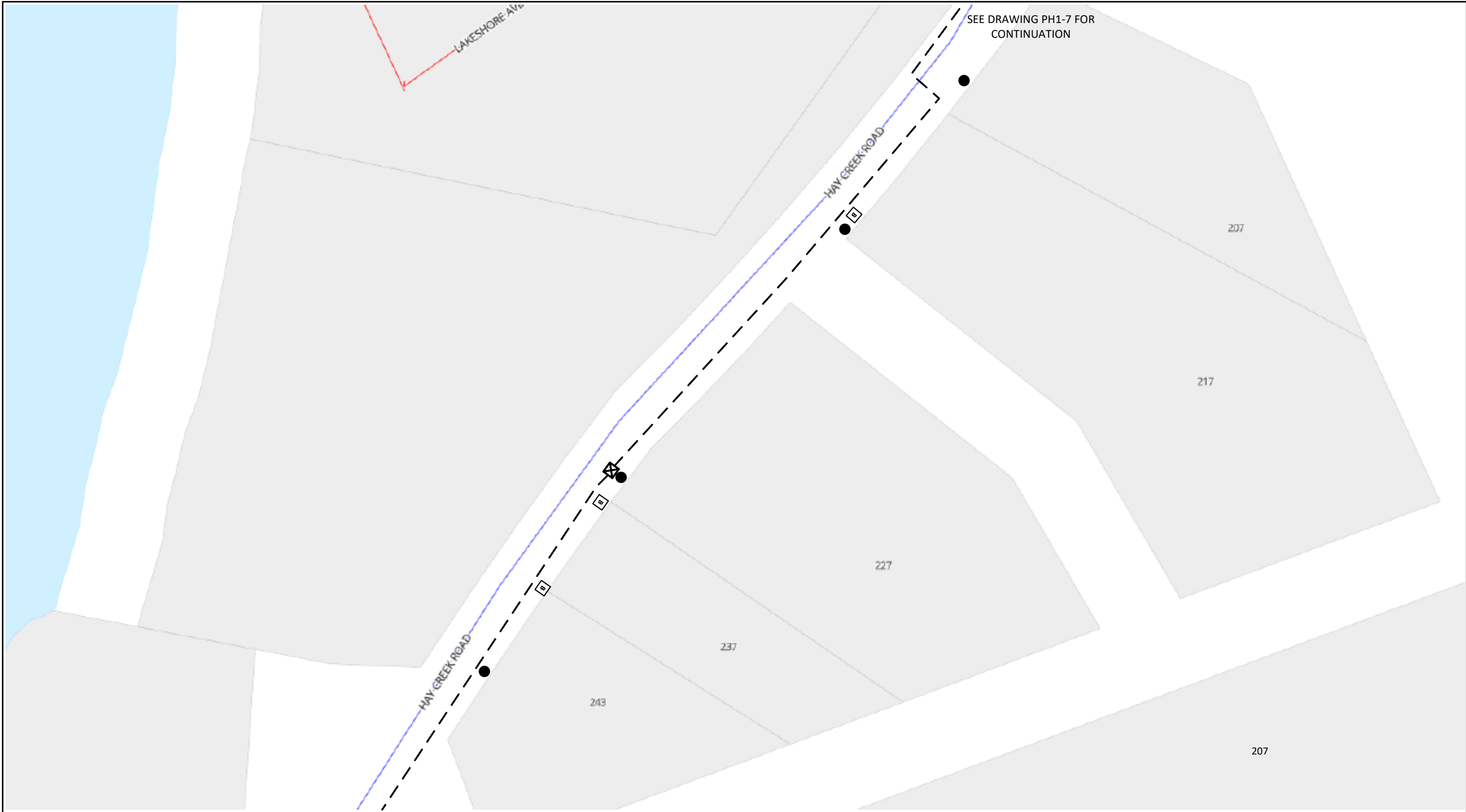


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SEE DRAWING PH1-9 FOR CONTINUATION

SEE DRAWING PH1-7 FOR CONTINUATION

PROPOSED FIBRE PEDESTAL		PROPOSED FIBRE VAULT	
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)		EXISTING UTILITY POLE	
PROPOSED FIBRE CONDUIT		EXISTING BELL PEDESTAL	

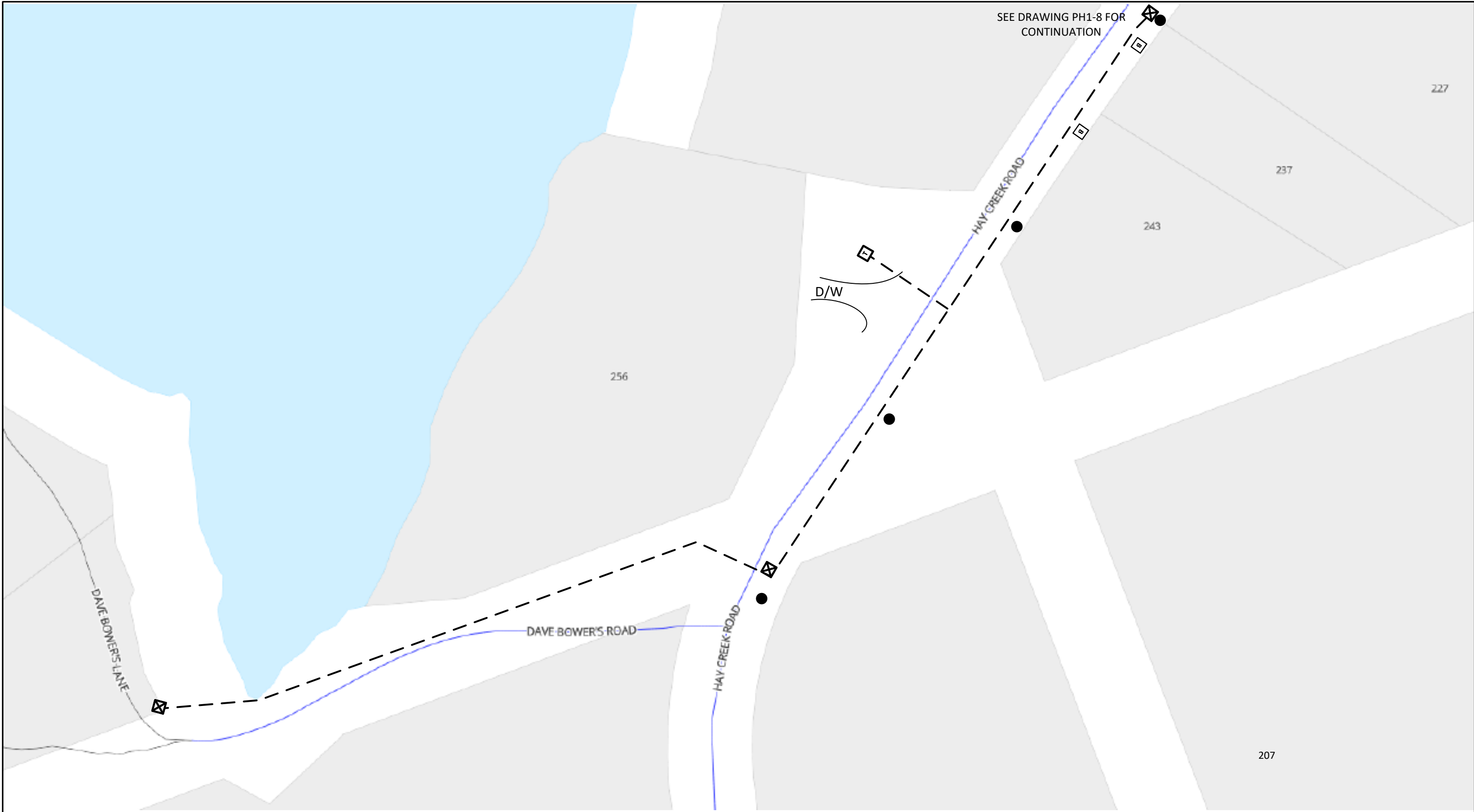


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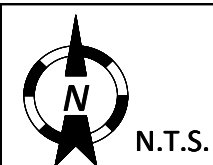
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PROPOSED FIBRE PEDESTAL		PROPOSED FIBRE VAULT	
PROPOSED FLUSH SERVICE BOX (LOT LINE/TOBY BOX)		EXISTING UTILITY POLE	
PROPOSED FIBRE CONDUIT		EXISTING BELL PEDESTAL	



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