

LEGEND

- HCA PROPERTY LINE
- HYDRO CORRIDOR EXTENTS (20m)
- OVERHEAD HYDRO LINE
- VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
- CONTOUR LINES (1m)
- BRUCE TRAIL
- WATERCOURSE
- ROCK PILE (POTENTIAL SNAKE HIBERNACULUM)
- EX. SURVEYED TREES (≥ 10cm DBH)

FOR APPROVAL
date: 2026/09/02



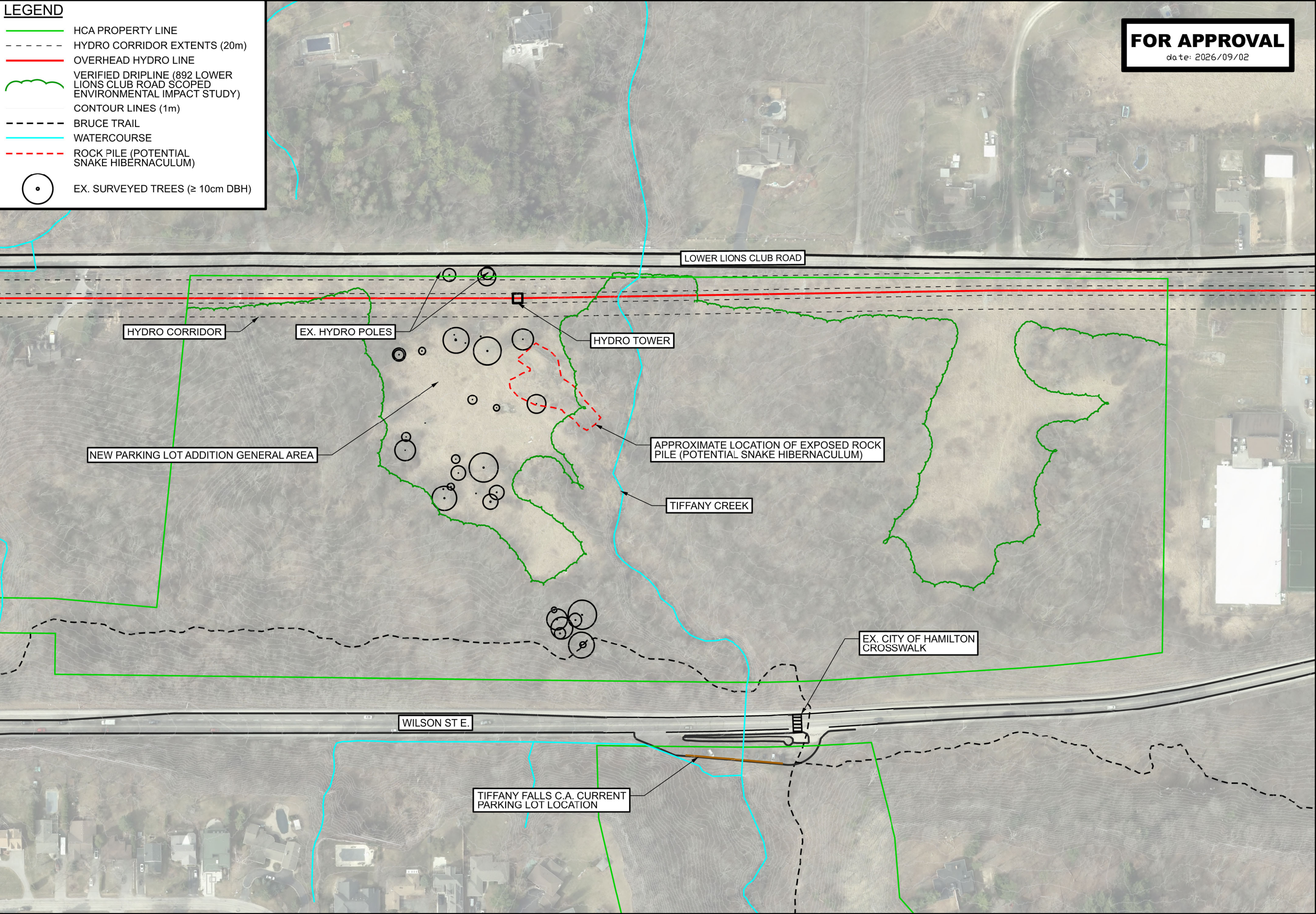
rev no.	description	date

 **Hamilton Conservation Authority**
A Healthy Watershed for Everyone
838 Mineral Springs Rd.
Ancaster, ON L9G 4X1
Tel: 905.525.2181
Web: www.conservationhamilton.ca

**PARKING LOT
ADDITION
EXISTING
CONDITIONS
PLAN**

**892 LOWER
LIONS CLUB ROAD**

project number	2-1414-23-01
scale	1:2000
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	G02



PROPERTY ADDRESS:
892 LOWER LIONS CLUB RD
HAMILTON, ON

NEW CULVERT TO
BE INSTALLED

LOWER LIONS CLUB ROAD

FOR APPROVAL
date: 2026/09/02



NOTES:

- 1. ANY TREE REMOVALS TO OCCUR OUTSIDE OF GENERALIZED BREEDING BIRD NESTING PERIOD OF APRIL 1ST TO AUGUST 31ST
- 2. ANY TREE REMOVALS TO OCCUR OUTSIDE OF THE BAT MATERNITY/ROOSTING WINDOW OF MARCH 15 - DECEMBER 1
- 3. ALL CONSTRUCTION PRACTISES TO CONFORM TO 'CLEAN EQUIPMENT PROTOCOLS FOR INDUSTRY' AS OUTLINED IN DOCUMENT BY HALLORAN ET AL., 2013 (PRINTED DOCUMENT TO BE AVAILABLE ON SITE AT ALL TIMES.)

LEGEND

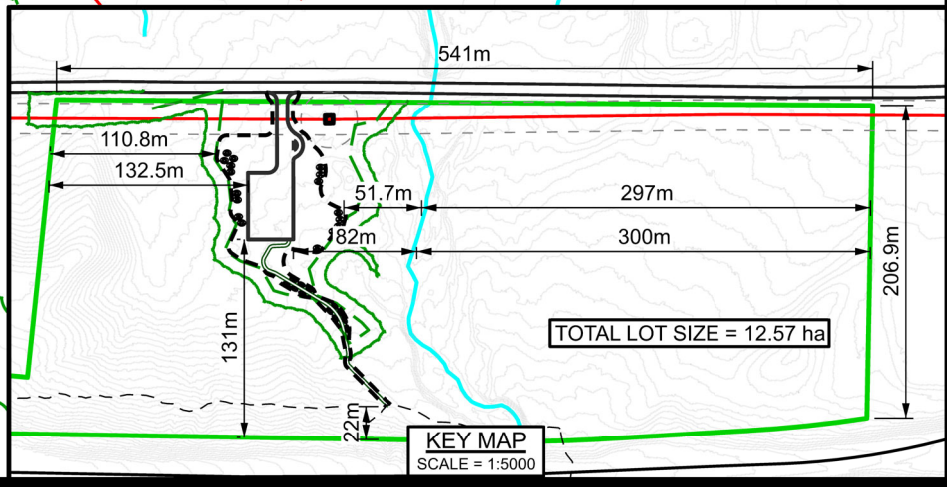
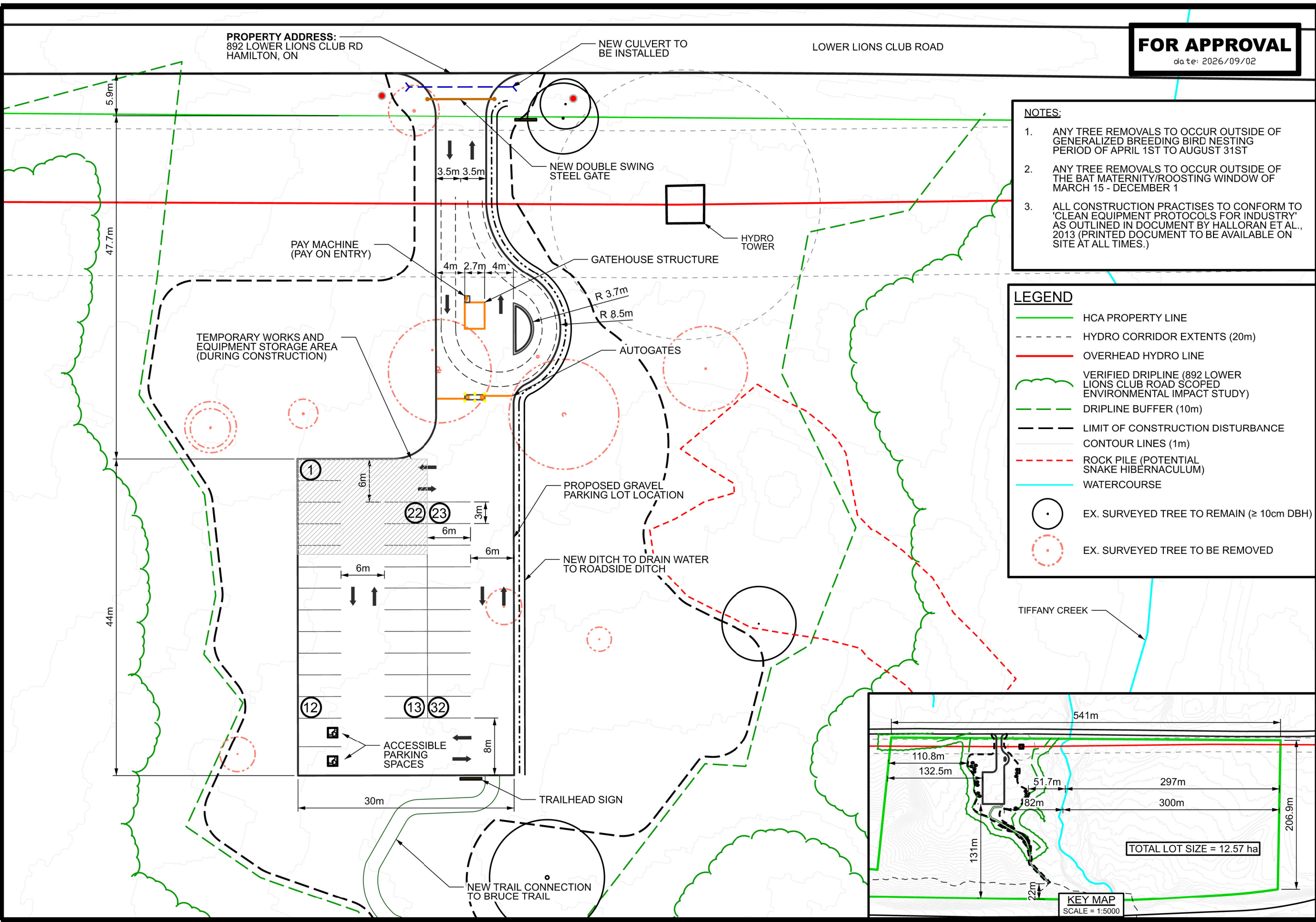
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- DRIPLINE BUFFER (10m)
- LIMIT OF CONSTRUCTION DISTURBANCE
- CONTOUR LINES (1m)
- ROCK PILE (POTENTIAL SNAKE HIBERNACULUM)
- WATERCOURSE
- EX. SURVEYED TREE TO REMAIN ($\geq 10\text{cm}$ DBH)
- EX. SURVEYED TREE TO BE REMOVED

rev no.	description	date
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PARKING LOT ADDITION SITE LAYOUT PLAN

892 LOWER LIONS CLUB ROAD	
project number	2-1414-23-01
scale	1:500
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	G03

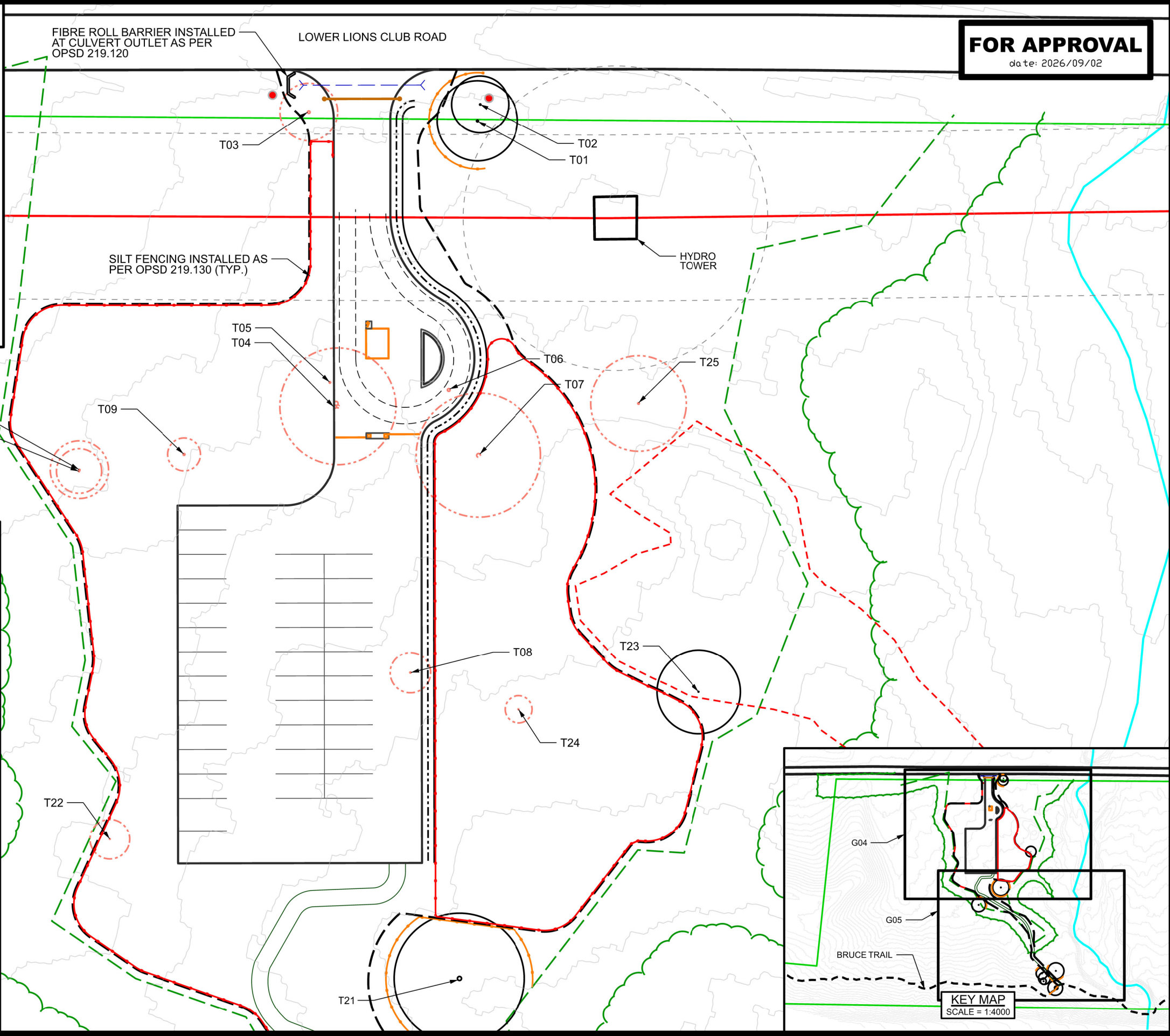


LEGEND

- HCA PROPERTY LINE
- HYDRO CORRIDOR EXTENTS (20m)
- VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
- DRIPLINE BUFFER (10m)
- OVERHEAD HYDRO LINE
- LIMIT OF CONSTRUCTION DISTURBANCE
- CONTOUR LINES (1m)
- ROCK PILE (POTENTIAL SNAKE HIBERNACULUM)
- SILT FENCING
- TREE PROTECTION FENCING
- EX. SURVEYED TREE TO REMAIN (≥ 10cm DBH)
- EX. SURVEYED TREE TO BE REMOVED

NOTES:

- SEDIMENT CONTROL AND TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY. SEDIMENT CONTROL FENCING TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOILS ARE VEGETATED.
- THE TREE MANAGEMENT PROFESSIONAL WILL PROVIDE A VERIFICATION OF TREE PROTECTION LETTER TO THE CITY DOCUMENTING THE COMPLETED INSTALLATION OF THE SPECIFIED TREE PROTECTION MEASURES PRIOR TO THE COMMENCEMENT OF ANY ON-SITE CONSTRUCTION ACTIVITIES.
- THE ESC MEASURES OUTLINED ON PLAN ARE SUBJECT TO CHANGE BASED ON SITE CONDITIONS. ANY CHANGES FROM APPROVED ESC PLANS WILL BE DOCUMENTED AND REPORTED TO THE NEC ENFORCEMENT OFFICE.
- SEDIMENT CONTROL BARRIER TO BE INSPECTED WEEKLY DURING CONSTRUCTION AND CLEANED FOLLOWING ANY STORM EVENT OF 25mm OF RAINFALL (OR GREATER).
- ANY DAMAGED ESC MEASURES WILL BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS.
- WORKS AND EQUIPMENT TO BE STORED AS FAR AS POSSIBLE FROM EXISTING NATURAL FEATURES (SEE G03 FOR LOCATION).
- ACCUMULATED SEDIMENT AND DEBRIS TO BE REMOVED AND PROPERLY DISPOSED OF BEFORE EROSION CONTROL MEASURES ARE REMOVED.
- ALL DISTURBED AREAS TO BE RE-VEGETATED WITH SITE APPROPRIATE NATIVE PLANTS WHERE POSSIBLE, SEE DWG. L01 FOR DETAILS.
- ALL SLOPES TO BE PROTECTED WITH 100% BIODEGRADABLE EROSION CONTROL BLANKETS AFTER SEEDING.



FOR APPROVAL
date: 2026/09/02

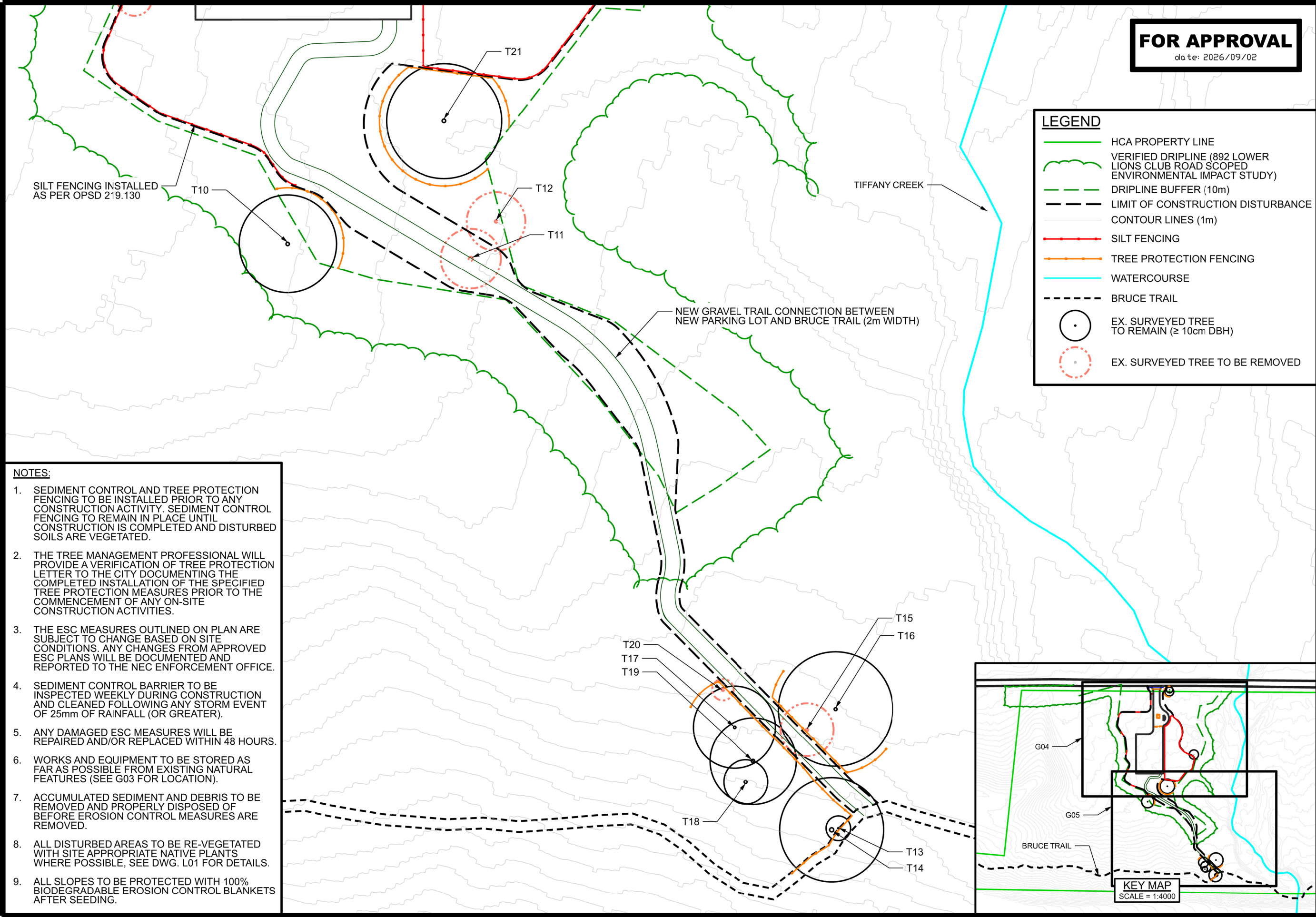


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PARKING LOT ADDITION TREE PROTECTION AND EROSION SEDIMENT CONTROL FENCING PLAN 1

892 LOWER LIONS CLUB ROAD	
project number	2-1414-23-01
scale	1:450
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	G04

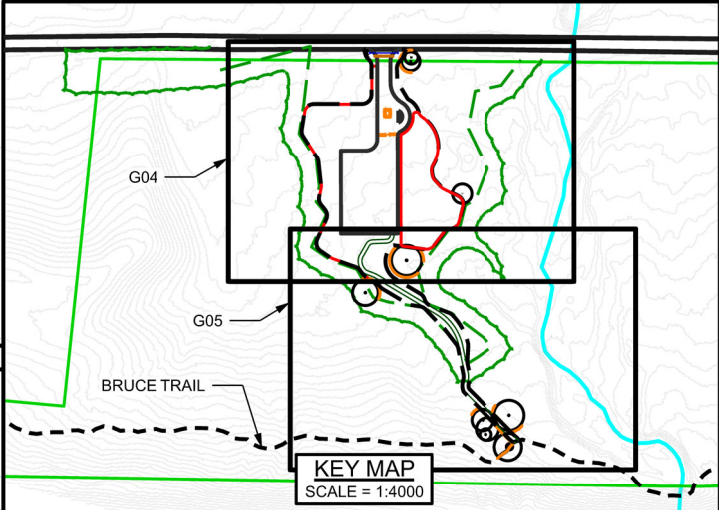


FOR APPROVAL
date: 2026/09/02

LEGEND

- HCA PROPERTY LINE
- VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
- DRIPLINE BUFFER (10m)
- LIMIT OF CONSTRUCTION DISTURBANCE
- CONTOUR LINES (1m)
- SILT FENCING
- TREE PROTECTION FENCING
- WATERCOURSE
- BRUCE TRAIL
- EX. SURVEYED TREE TO REMAIN (≥ 10cm DBH)
- EX. SURVEYED TREE TO BE REMOVED

- NOTES:**
- SEDIMENT CONTROL AND TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY. SEDIMENT CONTROL FENCING TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOILS ARE VEGETATED.
 - THE TREE MANAGEMENT PROFESSIONAL WILL PROVIDE A VERIFICATION OF TREE PROTECTION LETTER TO THE CITY DOCUMENTING THE COMPLETED INSTALLATION OF THE SPECIFIED TREE PROTECTION MEASURES PRIOR TO THE COMMENCEMENT OF ANY ON-SITE CONSTRUCTION ACTIVITIES.
 - THE ESC MEASURES OUTLINED ON PLAN ARE SUBJECT TO CHANGE BASED ON SITE CONDITIONS. ANY CHANGES FROM APPROVED ESC PLANS WILL BE DOCUMENTED AND REPORTED TO THE NEC ENFORCEMENT OFFICE.
 - SEDIMENT CONTROL BARRIER TO BE INSPECTED WEEKLY DURING CONSTRUCTION AND CLEANED FOLLOWING ANY STORM EVENT OF 25mm OF RAINFALL (OR GREATER).
 - ANY DAMAGED ESC MEASURES WILL BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS.
 - WORKS AND EQUIPMENT TO BE STORED AS FAR AS POSSIBLE FROM EXISTING NATURAL FEATURES (SEE G03 FOR LOCATION).
 - ACCUMULATED SEDIMENT AND DEBRIS TO BE REMOVED AND PROPERLY DISPOSED OF BEFORE EROSION CONTROL MEASURES ARE REMOVED.
 - ALL DISTURBED AREAS TO BE RE-VEGETATED WITH SITE APPROPRIATE NATIVE PLANTS WHERE POSSIBLE, SEE DWG. L01 FOR DETAILS.
 - ALL SLOPES TO BE PROTECTED WITH 100% BIODEGRADABLE EROSION CONTROL BLANKETS AFTER SEEDING.



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**PARKING LOT ADDITION
TREE PROTECTION
AND EROSION CONTROL
FENCING PLAN
2**

892 LOWER LIONS CLUB ROAD	
project number	2-1414-23-01
scale	1:500
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	G05

TABLE 1. INVENTORIED TREES

Tree ID #	Species		DBH (cm)	Ownership	Biological Health	Structural Condition	Recommended Action	Reason	General Comments
	Common Name	Botanical Name							
T01	Black Walnut	<i>Juglans nigra</i>	23	HCA	Good	Good	Keep		Inside of Hydro Corridor
T02	Black Walnut	<i>Juglans nigra</i>	16	COH	Good	Good	Keep		Inside of Hydro Corridor
T03	Black Walnut	<i>Juglans nigra</i>	31	COH	Good	Good	Remove	Location conflicts with site grading requirements	Inside of Hydro Corridor
T04	Norway Maple	<i>Acer platanoides</i>	38.2,48,37	HCA	Good	Poor	Remove	Location conflicts with site grading requirements, Invasive	Union at Ground
T05	White Ash	<i>Fraxinus americana</i>	17	HCA	Dead	Dead	Remove	Location Conflicts with Site Grading Requirements	
T06	White Ash	<i>Fraxinus americana</i>	33	HCA	Very Poor	Very Poor	Remove	Poor condition, mostly dead	
T07	Black Walnut	<i>Juglans nigra</i>	46	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	
T08	American Elm	<i>Ulmus americana</i>	13	HCA	Fair	Good	Remove	Location Conflicts with Site Grading Requirements	Some Dead Branches
T09	Pear	<i>Pyrus ssp.</i>	22	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	
T10	Hackberry	<i>Celtis occidentalis</i>	47	HCA	Good	Fair	Keep		Multi-Stem
T11	White Mulberry	<i>Morus alba</i>	58	HCA	Good	Fair	Remove	Location Conflicts with Site Grading Requirements, Invasive	Dual Leader
T12	Boxelder	<i>Acer negundo</i>	56	HCA	Fair	Fair	Remove	Location Conflicts with Site Grading Requirements	Dual Leader
T13	Black Walnut	<i>Juglans nigra</i>	18	HCA	Good	Good	Keep		
T14	Black Walnut	<i>Juglans nigra</i>	57	HCA	Good	Good	Keep		
T15	Black Walnut	<i>Juglans nigra</i>	34	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	
T16	Black Walnut	<i>Juglans nigra</i>	41	HCA	Good	Good	Keep		
T17	Black Walnut	<i>Juglans nigra</i>	34	HCA	Good	Fair	Keep		
T18	Black Walnut	<i>Juglans nigra</i>	41	HCA	Dead	Dead	Remove	Hazard Tree Near Proposed Trail	Dead Standing Peg
T19	Black Walnut	<i>Juglans nigra</i>	48	HCA	Fair	Good	Keep		Minor Dead Branching
T20	Black Walnut	<i>Juglans nigra</i>	35	HCA	Fair	Fair	Remove	Location Conflicts with Site Grading Requirements	Uneven Branching & Climbing Vines
T21	Sugar Maple	<i>Acer saccharum</i>	80	HCA	Fair	Poor	Keep		Stressed Branching Pattern
T22	Pear	<i>Pyrus ssp.</i>	17	HCA	Fair	Fair	Remove	Location Conflicts with Site Grading Requirements	
T23	Black Walnut	<i>Juglans nigra</i>	22	HCA	Good	Fair	Keep		
T24	Boxelder	<i>Acer negundo</i>	18	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	
T25	White Mulberry	<i>Morus alba</i>	76	HCA	Fair	Fair	Remove	Invasive	
T26	Pear	<i>Pyrus ssp.</i>	25	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	
T27	Apple	<i>Malus ssp.</i>	12	HCA	Good	Good	Remove	Location Conflicts with Site Grading Requirements	

FOR APPROVAL

date: 2026/09/02

NOTES:

- TREES WITHIN THE PROPOSED LIMIT OF DISTURBANCE WERE SURVEYED ON SITE BY QUALIFIED HCA STAFF.
- TREES MEASURED ON SITE AT 10CM DIAMETER AT BREAST HEIGHT (DBH) OR GREATER ARE INVENTORIED IN TABLE 1.
- INDIVIDUAL TREES WITHIN THE VERIFIED WOODLAND DRIPLINE ARE CONSIDERED PART OF THE GREATER VEGETATED AREA AND WERE ONLY SURVEYED WHERE THE PROPOSED TRAIL CONNECTION IS WITHIN THE WOODLAND AREA.



PARKING LOT ADDITION TREE PROTECTION PLAN CHART

892 LOWER LIONS CLUB ROAD

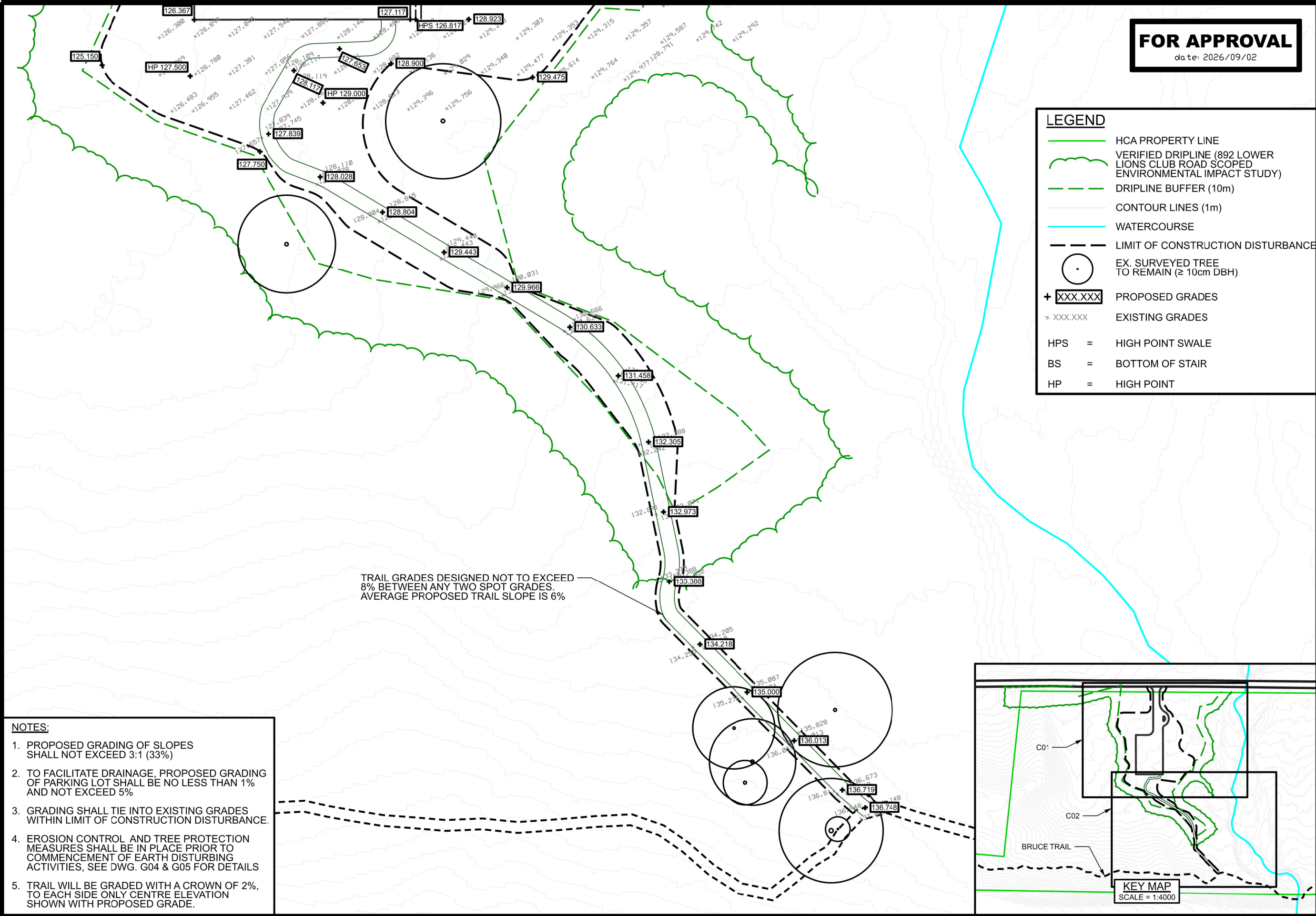
project number	2-1414-23-01
scale	
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	G06

	HCA PROPERTY LINE
	HYDRO CORRIDOR EXTENTS (20m)
	VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
	DRIPLINE BUFFER (10m)
	OVERHEAD HYDRO LINE
	LIMIT OF CONSTRUCTION DISTURBANCE
	CONTOUR LINES (1m)
	WATERCOURSE
	ROCK PILE (POTENTIAL SNAKE HIBERNACULUM)
	EX. SURVEYED TREE TO REMAIN ($\geq 10\text{cm DBH}$)
	PROPOSED GRADES
XXX.XXX	EXISTING GRADES
HPS =	HIGH POINT SWALE
LPS =	LOW POINT SWALE
HP =	HIGH POINT

[illegible]

project number	2-1414-23-01
scale	1:550
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	C01

- NOTES:**
1. PROPOSED GRADING OF VEGETATED SLOPES SHALL NOT EXCEED 3:1 (33%)
 2. TO FACILITATE DRAINAGE, PROPOSED GRADING OF PARKING LOT SHALL BE NO LESS THAN 1% AND NOT EXCEED 5%
 3. GRADING SHALL TIE INTO EXISTING GRADES WITHIN LIMIT OF CONSTRUCTION DISTURBANCE.
 4. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES, SEE DWG. G04 & G05 FOR DETAILS



FOR APPROVAL
date: 2026/09/02

LEGEND

- HCA PROPERTY LINE
- VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
- DRIPLINE BUFFER (10m)
- CONTOUR LINES (1m)
- WATERCOURSE
- LIMIT OF CONSTRUCTION DISTURBANCE
- EX. SURVEYED TREE TO REMAIN (≥ 10cm DBH)
- + XXX.XXX PROPOSED GRADES
- × XXX.XXX EXISTING GRADES
- HPS = HIGH POINT SWALE
- BS = BOTTOM OF STAIR
- HP = HIGH POINT

TRAIL GRADES DESIGNED NOT TO EXCEED 8% BETWEEN ANY TWO SPOT GRADES. AVERAGE PROPOSED TRAIL SLOPE IS 6%

- NOTES:**
- PROPOSED GRADING OF SLOPES SHALL NOT EXCEED 3:1 (33%)
 - TO FACILITATE DRAINAGE, PROPOSED GRADING OF PARKING LOT SHALL BE NO LESS THAN 1% AND NOT EXCEED 5%
 - GRADING SHALL TIE INTO EXISTING GRADES WITHIN LIMIT OF CONSTRUCTION DISTURBANCE.
 - EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES, SEE DWG. G04 & G05 FOR DETAILS
 - TRAIL WILL BE GRADED WITH A CROWN OF 2%, TO EACH SIDE ONLY CENTRE ELEVATION SHOWN WITH PROPOSED GRADE.



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PARKING LOT ADDITION GRADING PLAN 2

892 LOWER LIONS CLUB ROAD

project number	2-1414-23-01
scale	1:500
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	C02

	HCA PROPERTY LINE
	HYDRO CORRIDOR EXTENTS (20m)
	VERIFIED DRIPLINE (892 LOWER LIONS CLUB ROAD SCOPED ENVIRONMENTAL IMPACT STUDY)
	DRIPLINE BUFFER (10m)
	CONTOUR LINES (1m)
	OVERHEAD HYDRO LINE
	LIMIT OF CONSTRUCTION DISTURBANCE
	ROCK PILE (POTENTIAL SNAKE HIBERNACULUM)
	EX. SURVEYED TREE TO REMAIN ($\geq 10\text{cm DBH}$)
	PROPOSED VEGETATION
	SEED MIX APPLICATION AREAS FOR UPLAND NATIVE MEADOW SEED MIX & COVER CROP (SEED MIX SPECS LISTED BELOW)

NODE A

NODE B

NODE C

NODE D

TREE LIST				
Symbol	Common Name	Botanical Name	Quantity	Size
AS	Sugar Maple	<i>Acer saccharum</i>	4	50mm WB
PG	Large Tooth Aspen	<i>Populus grandidentata</i>	12	3 gal
PS	Eastern White Pine	<i>Pinus strobus</i>	6	150cm B&B
QA	White Oak	<i>Quercus alba</i>	3	50mm WB
TO	Eastern White Cedar	<i>Thuja occidentalis</i>	5	150cm B&B
SHRUB LIST				
Symbol	Common Name	Botanical Name	Quantity	Size
Ca	Silky Dogwood	<i>Cornus amomum</i>	18	3 gal
Pv	Chokecherry	<i>Prunus virginiana</i>	30	3 gal
Ro	Purple Flowering Raspberry	<i>Rubus odoratus</i>	21	3 gal
Rt	Staghorn Sumac	<i>Rhus typhina</i>	18	3 gal
Sa	Snowberry	<i>Symphoricarpos albus</i>	20	3 gal
Sc	Common Elderberry	<i>Sambucus canadensis</i>	12	3 gal
VI	Nannyberry	<i>Viburnum lentago</i>	14	3 gal

date: 2026/09/02

[illegible]

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PARKING LOT ADDITION LANDSCAPE PLAN

**892 LOWER
LIONS CLUB ROAD**

project number	2-1414-23-01
scale	1:1000
date	2026/09/02
drawn	K.KUHN
checked	M.ARMSTRONG/M.HALL
approved	
drawing number	L01

