



# PARKS CANADA

## BOB TO BOYLES TRAIL PROJECT

SOLICITATION NO. 5P201-20-0106

WSP PROJECT No. 19M-01556-00

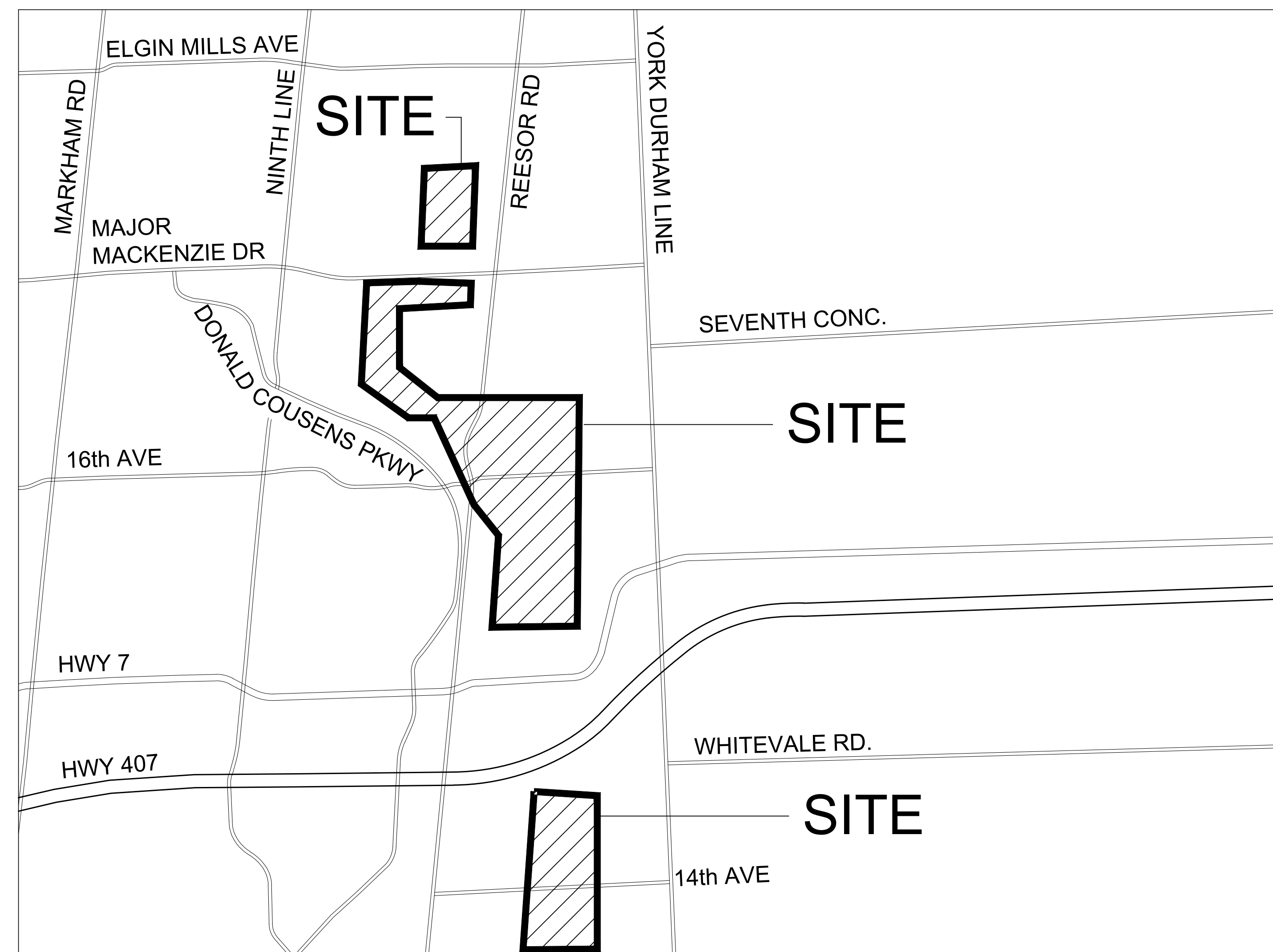
NOVEMBER 2020

ISSUED FOR TENDER

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### SITE AND CONTEXT:



- ALL EXCAVATION WORK AND EQUIPMENT MOVEMENT SHALL BE RESTRICTED TO STAGING AREAS AND TRAIL CORRIDOR. THE TRAIL CORRIDOR BETWEEN EDGES OF CLEARING ZONE AND AREA BETWEEN CLEARING ZONE AND ANY FENCE TO BE INSTALLED IN THIS CONTRACT.
- CONTRACTOR TO REMOVE AND DISPOSE OF OFF-SITE AT NO ADDITIONAL COST TO THE CONTRACT ITEMS NOTED FOR REMOVAL INCLUDING BUT NOT LIMITED TO ALL ASPHALT PAVING, CONCRETE PAVING, AND SIGNAGE AS REQUIRED TO FACILITATE THE IMPLEMENTATION OF CHANGES AS PER PLANS AND DETAILS. ANY SIGNAGE OR ANY OTHER ITEMS IDENTIFIED BY THE PCA REPRESENTATIVE TO BE SALVAGED, SHALL BE STORED AT A LOCATION ON-SITE AS IDENTIFIED BY THE PCA REPRESENTATIVE.
- CONTRACTOR TO MAKE GOOD TO PCA REPRESENTATIVE'S ACCEPTANCE ALL DAMAGES THAT OCCUR DURING CONSTRUCTION.
- CONTRACTOR TO REVIEW DRAWINGS AND REPORT ANY ERRORS, OMISSIONS, AND / OR DISCREPANCIES TO PCA REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION. PROPERTY LINES TO BE VERIFIED AND MARKED CLEARLY IN FIELD PRIOR TO INITIATING ANY CONSTRUCTION. SUCH MARKINGS ARE TO BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION.
- EXTENT OF WORK SHOWN IS TO CONVEY INTENT. EXTENT OF CONSTRUCTION IS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION. IF THERE IS AMBIGUITY OR THE CONTRACTOR REQUIRES CLARIFICATION, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE PCA REPRESENTATIVE. THE CONTRACTOR MAY BE HELD RESPONSIBLE TO REMOVE ANY CHANGES MADE WITHOUT WRITTEN PERMISSION OF THE PCA REPRESENTATIVE.
- ALL CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH THE MOST CURRENT DESIGN STANDARDS, CRITERIA, AND SPECIFICATIONS FROM THE ONTARIO BUILDING CODE, THE ONTARIO PROVINCIAL STANDARD DETAIL, THE ONTARIO PROVINCIAL STANDARD SPECIFICATION AND LANDSCAPE ONTARIO.
- CONTRACTOR IS RESPONSIBLE FOR ALL FEES ARISING FROM THE COMPLETION OF WORKS CONVEYED BY THESE DRAWINGS AND IN THE SPECIFICATION PACKAGE. FEES INCLUDE BUT ARE NOT LIMITED TO SECURITIES, PERMIT FEES, DEPOSITS, APPLICATION FEES, LETTERS OF CREDIT, OR ANY OTHER RELATED FUNDING REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ALL UNDERGROUND SERVICES INCLUDING LIGHT STANDARD ELECTRICAL LINES.
- QUALIFIED REGISTERED LAND SURVEYOR (QLS), ACCEPTABLE TO PCA REPRESENTATIVE IS TO LOCATE, CONFIRM AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK. PRESERVE PERMANENT REFERENCE POINTS DURING CONSTRUCTION.
- ESTABLISH TWO PERMANENT BENCH MARKS ON SITE, REFERENCED TO ESTABLISHED BENCH MARKS BY SURVEY CONTROL POINTS. RECORD LOCATIONS, WITH HORIZONTAL AND VERTICAL DATA IN PROJECT RECORD DOCUMENTS AND PROVIDE TO PCA ON REQUEST.
- ESTABLISH LINES AND LEVELS, LOCATED AND LAY OUT, BY INSTRUMENTATION.
- SUBSTITUTIONS FROM SPECIFIED PRODUCTS AND MATERIALS MUST BE APPROVED IN WRITING BY THE PCA REPRESENTATIVE PRIOR TO THE ORDERING OF MATERIALS.
- THESE DESIGN DRAWINGS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT WITH.

- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES. CONTRACTOR TO VERIFY LOCATION AND PROTECT ALL SERVICES PRIOR TO ANY EXCAVATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALL A PRIVATE LOCATING COMPANY AND PAY ALL COSTS RELATING TO ALL SERVICES NOT STAKED OUT BY GAS, HYDRO, BELL, AND CABLE.
- UTILITIES MUST BE LOCATED BY UTILITY COMPANIES BEFORE CONSTRUCTION BEGINS. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR DAMAGES WHICH OCCUR TO EXISTING SERVICES DURING CONSTRUCTION.
- CONTRACTOR MUST CHECK & VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB, REPORTING ALL DISCREPANCIES TO THE PCA REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING SERVICES DURING CONSTRUCTION.
- ALL PERMITS REQUIRED BY AUTHORITIES WITHIN JURISDICTION INCLUDING THE MUNICIPALITIES AND TRCA ARE TO BE OBTAINED BY THE CONTRACTOR.

- ALL SILTATION CONTROL (FILTREXX SILT SOXX OR APPROVED EQUAL) SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF EXCAVATION OR GRADING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILTATION CONTROL DEVICES IN GOOD WORKING ORDER AT ALL TIMES. CONTRACTOR SHALL INSPECT SUCH DEVICES DAILY AND AFTER EACH RAINFALL EVENT.
- ON SITE EROSION CONTROL MEASURES SHALL BE INSTALLED AND SECURED WITH SNOW FENCING SURROUNDING ALL FILTREXX SILT SOXX OR APPROVED EQUAL.
- FOLLOWING THE COMPLETION OF CONSTRUCTION ALL SNOW FENCING AND POSTS SURROUNDING MATERIAL STAGING AREAS WILL BE REMOVED AND DISPOSED OF OFF-SITE.
- NO IN-WATER WORKS ARE PERMITTED.
- NO VEHICLES OR EQUIPMENT MAY BE REFUELED WITHIN 30 METRES OF ANY WATERCOURSES. EQUIPMENT WILL NOT TRAVERSE THROUGH ANY WATERCOURSES.
- THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES TO THE NATURAL ENVIRONMENT.
- EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE IMMEDIATELY CONTACTED SHOULD THE EROSION AND SEDIMENT CONTROL PLANS CHANGE FROM THE APPROVED PLANS. FAILED EROSION AND SEDIMENTATION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE REPAIRED IMMEDIATELY.
- IN ORDER TO RESPOND TO ANY FUEL SPILLS, A SPILL RESPONSE PLAN WILL BE IN PLACE AND PROVIDED TO PCA PRIOR TO COMMENCEMENT OF CONSTRUCTION. A SPILL KIT MUST BE AVAILABLE AT ALL TIMES AND STAFF WILL BE TRAINED TO DEPLOY IT. ANY FUEL SPILLS SHALL BE IMMEDIATELY REPORTED TO THE ONTARIO MINISTRY OF ENVIRONMENT SPILLS REPORTING LINE (1-800-268-6060) AND ENVIRONMENT CANADA (613-239-6065).

- CONTRACTOR TO WORK WITHIN GUIDELINES FOR THE MUNICIPALITY'S NOISE BY-LAWS.
- THE CONTRACTOR TO PROVIDE A WASTE MANIFEST TO ENSURE THAT CONSTRUCTION AND OTHER GENERAL WASTES ARE DISPOSED OF AT AN APPROVED/PERMITTED LANDFILL FACILITY.
- TREES TO BE REMOVED SHALL BE FELLED INTO THE WORK AREA TO AVOID DAMAGE TO SURROUNDING VEGETATION
- CUT BRANCHES GREATER THAN 100MM DIAMETER AND TRUNKS SHALL BE SCATTERED IN THE SURROUNDING AREA (WITHIN 20m EITHER SIDE OF PROPOSED TRAILS CLEAR ZONE) AND ALLOWED TO DECOMPOSE OVER TIME. THE REMAINING CUT BRANCHES AND TRUNKS SHALL BE CHIPPED, AND CHIPPINGS SHALL BE SCATTERED AND SPREAD IN THE SURROUNDING AREA.
- HAZARD TREES TO BE RETAINED AS WILDLIFE HABITAT POSTS SHALL BE CUT OFF AT 10m ABOVE GROUND. HABITAT POSTS ARE FLAGGED IN THE FIELD BY PCA REPRESENTATIVE

- ALTHOUGH THE AREA HAS BEEN TESTED FOR ARCHAEOLOGICAL RESOURCES, IT IS POSSIBLE THAT CULTURAL FEATURES AND/OR ARTIFACT CONCENTRATIONS MAY BE ENCOUNTERED DURING CONSTRUCTION. IF ANY FEATURES SUCH AS STRUCTURAL REMAINS OR ARTIFACT CONCENTRATIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY STOP WORKING IN THE AREA AND INFORM THE PCA REPRESENTATIVE FOR DIRECTION ON HOW TO PROCEED.

- CONTRACTOR TO ENSURE POSITIVE DRAINAGE OF ALL AREAS WITHIN THE LIMIT OF THE WORK.
- ENSURE TRANSITION OF EXISTING AND NEW GRADE ELEVATIONS IS SMOOTH.
- MINIMUM PERMITTED TRAIL OR ANY GRANULAR OR PAVED SURFACE SLOPE IS 2%; MAXIMUM PERMITTED IS 5%.
- MINIMUM VEGETATED GROUND SLOPE TO BE 2%, MAXIMUM PERMITTED 33%.
- NOTIFY PCA REPRESENTATIVE IMMEDIATELY, IN WRITING, IF ANY DISCREPANCIES WITH STATED REQUIREMENTS ARE DISCOVERED.

- LAYOUT OF BOARDWALK, FENCELINE, AND SITTING NODES TO BE CLEARLY STAKED OR FLAGGED BY CONTRACTOR AND ACCEPTED BY THE PCA REPRESENTATIVE.
- LAYOUT OF ONE SIDE OF TRAIL CLEAR ZONE IS TO BE FLAGGED AT A MINIMUM OF EVERY 50m WHERE TRAIL VARIES LESS THAN 2m over 50m in a STRAIGHT LINE. ALL OTHER LENGTHS OF TRAIL REQUIRE THE CONTRACTOR TO FLAG ONE SIDE OF THE TRAIL CLEAR ZONE AT INTERVALS NECESSARY TO CLEARLY IDENTIFY HORIZONTAL LAYOUT OF THE TRAIL CENTRELINE TO A TOLERANCE OF 300mm. FLAGS ARE TO BE MAINTAINED IN PLACE BY CONTRACT UNTIL FINAL ACCEPTANCE.
- CONTRACTOR TO REVIEW DRAWINGS AND REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE PCA REPRESENTATIVE IN WRITING.
- NOTIFY PCA REPRESENTATIVE IMMEDIATELY, IN WRITING, IF ANY DISCREPANCIES WITH STATED REQUIREMENTS ARE DISCOVERED.
- THE FLAGS CURRENTLY IN THE FIELD (ORANGE) ARE NOT TO BE REMOVED BY THE CONTRACTOR UNTIL THE TRAIL AND CLEAR ZONE LAYOUT IS APPROVED BY PCA REPRESENTATIVE.
- CONTRACTOR TO COORDINATE WITH PCA REPRESENTATIVE REGARDING THE ERECTION OF ALL CONSTRUCTION FENCING.

- TO COMPLY WITH FEDERAL AT RISK LEGISLATION, WILD ANIMALS THAT MAY BE PRESENT ON SITE DURING PROJECT ACTIVITIES SHALL NEVER BE HARMED OR HARASSED. IF WILD ANIMALS DO NOT OR CANNOT LEAVE THE WORK AREA IN TIME TO ALLOW WORK TO PROCEED, THE PCA REPRESENTATIVE MUST BE CONSULTED AND WE MAY DECIDE EITHER TO STOP / DELAY WORK OR MOVE AN ANIMAL (WITH THE ASSISTANCE OF WILDLIFE AUTHORITIES) IF IT IS APPROPRIATE AND POSSIBLE TO DO SO WITHOUT CAUSING HARM TO THAT ANIMAL OR OTHER WILDLIFE.
- IN THE EVENT THAT A NEST, DEN, OR OTHER SENSITIVE WILDLIFE FEATURE IS PRESENT IN THE AREA TO BE IMPACTED BY CONSTRUCTION, THE PCA REPRESENTATIVE MUST BE NOTIFIED. THE PCA REPRESENTATIVE WILL CONSULT APPROPRIATE STAFF AND PARTNERS TO DECIDE UPON MEASURES TO PROTECT THE FEATURE THAT ARE APPROPRIATE TO THE SPECIES.
- IN ORDER TO COMPLY WITH THE MIGRATORY BIRDS CONVENTION ACT, TREE TRIMMING AND/OR REMOVALS MUST BE COMPLETED PRIOR TO APRIL 1, OR AFTER AUGUST 30TH. ANY TREE REMOVALS OR TRIMMING BETWEEN APRIL 1 AND AUGUST 30 MUST BE COMPLETED UNDER THE SUPERVISION OF PARKS CANADA RESOURCE CONSERVATION STAFF
- THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE PCA REPRESENTATIVE IF SPECIES AT RISK ARE ENCOUNTERED WITHIN, OR IN THE IMMEDIATE VICINITY OF ANY ACTIVE CONSTRUCTION AREA OR MATERIAL STAGING AREA, AND SHALL CEASE WORK IN THE AREA UNTIL DIRECTION IS PROVIDED BY THE PCA REPRESENTATIVE.
- MANY SPECIES AT RISK MAY BE PRESENT IN THE GENERAL VICINITY OF THE WORK AREA AND COULD BE OBSERVED ON OR NEAR THE SITE, INCLUDING, BUT NOT LIMITED TO: BUTTERNUT TREES, MONARCHS, BOBOLINKS, BARN SWALLOWS, WOOD THRUSHES, EASTERN WOOD-PEEVES, EASTERN MEADOWLARKS, BANK SWALLOW, GREY HOPPER SPARROWS, LITTLE BROWN MYIOTIS, NORTHERN MYIOTIS, TRICOLOURED BATS, BLANDING'S TURTLES, SNAPPING TURTLES, EASTERN MILKSNAKES AND YELLOW-BANDED BUMBLE BEES. ON-SITE WORKERS MUST BE MADE AWARE OF AND SUBSEQUENTLY REPORT ANY INCIDENTAL SIGHTINGS OF SPECIES AT RISK IMMEDIATELY TO PCA REPRESENTATIVE.
- IF WILDLIFE ARE OBSERVED AT OR NEAR THE WORK SITE, ALLOW THE ANIMAL(S) THE OPPORTUNITY TO LEAVE THE WORK AREA.
- ALERT THE PCA REPRESENTATIVE IMMEDIATELY OF ANY POTENTIAL WILDLIFE CONFLICT (E.G., AGGRESSIVE BEHAVIOUR, PERSISTENT INTRUSION), DISTRESS OR MORTALITY. IN THE CASE OF AGGRESSIVE BEHAVIOUR OR PERSISTENT INTRUSION, STOP WORK AND EVACUATE THE AREA.

- BRINGING EQUIPMENT ON SITE FOR TREATMENT AND OTHER VEHICLES ACCESSING THE SITE PROVIDES OPPORTUNITIES FOR THE SPREAD OF INVASIVE SPECIES. IMPLEMENTING CLEAN EQUIPMENT PROTOCOLS WILL BE AN IMPORTANT PART OF THE MANAGEMENT PLAN AND CONTROLLING ESTABLISHED POPULATIONS.
- FOR EACH INSPECTIONS SHOULD BE DONE BEFORE AND AFTER A VEHICLE OR PIECE OF EQUIPMENT ENTERS THE SITE. INSPECT THE VEHICLE/EQUIPMENT INSIDE AND OUT FOR DIRT, PLANT MATERIAL AND SEEDS THAT MAY BE STUCK ON SURFACES.
- REMOVE ANY GUARDS, COVERS OR PLATES THAT ARE EASILY REMOVED AND PAY SPECIAL ATTENTION TO THE UNDERSIDE OF THE VEHICLE/EQUIPMENT, RADIATORS, SPARE TIRES, FOOT WELLS AND BUMPER BARS
- IF ANYTHING IS IDENTIFIED, THE VEHICLE/EQUIPMENT WILL NEED TO BE CLEANED IN AN AREA WHERE SEED SPREAD IS NOT POSSIBLE.
- THIS ZONE IS LOCATED IN AN AREA WHERE INVASIVE PLANT SPECIES ARE PREVALENT (ESPECIALLY THE EUROPEAN COMMON REED (PHRAGMITES AUSTRALIS), DOG-STRANGLING VINE (CYNANCHUM ROSSICUM)), EUROPEAN BUCKTHORN (RHAMNUS CATHARTICA) AND JAPANESE KNOTWEED (FALLOPIA JAPONICA). TO PREVENT THE SPREAD OF INVASIVE SPECIES ALL CONSTRUCTION EQUIPMENT MUST BE CLEANED PRIOR TO ENTERING OR LEAVING THE SITE, ACCORDING TO THE ONTARIO INVASIVE PLANT COUNCIL'S CLEAN EQUIPMENT PROTOCOL FOR INDUSTRY (2016).
- TO MINIMIZE THE SPREAD OF INVASIVE PLANT SPECIES IN ZONES NOTED ON L-300 TO L-335, SOIL FROM ANY EXCAVATION WITHIN THIS ZONE SHALL NOT BE PLACED OUTSIDE THE ZONE (I.E. DO NOT SPREAD SEED BEDS, SEEDBANKS, SOILS, LEAVES, TWIGS, BRANCHES, STEMS OR WOOD CHIPPINGS FROM PLANTS WITHIN THIS ZONE MUST BE DISTRIBUTED WITHIN THE ZONE.
- ANY MACHINERY USED WITHIN AREAS CONTAINING INVASIVE SPECIES MUST BE THOROUGHLY WASHED PRIOR TO TRAVELING/WORKING ELSEWHERE ON SITE TO PREVENT POTENTIAL CONTAMINATION.

- FOR A DETAILED DESCRIPTION OF TREE SPECIES, SIZE, CONDITION AND RECOMMENDATIONS REFER TO THE TREE INVENTORY AND PRESERVATION CHARTS IN THE TREE HAZARD REPORT PREPARED BY WSP CANADA GROUP LIMITED, DATED: XXXXXXXXXXXX.
- REFER AND ADHERE TO THE HAZARD TREE REPORT FOR SPECIFIC RECOMMENDATIONS, PROTECTIVE AND MITIGATION MEASURES.
- TREE PRESERVATION MEASURES, INCLUDING THE ESTABLISHMENT OF TREE PROTECTION ZONE (TPZ) SHALL APPLY TO THE VEGETATION IDENTIFIED TO BE RETAINED AND PROTECTED. THE TREE PROTECTION ZONE SHALL CONSIST OF 2 BANDS OF YELLOW OR ORANGE CONSTRUCTION TAPE, FASTENED TO 6" HIGH 2"x2" WOOD STAKES POUNDED APPROXIMATELY 18" INTO THE GROUND.
- ROOTS OVER 2.5CM DIAMETER THAT ARE TO BE CUT SHOULD BE PRUNED RATHER THAN LEFT TORN OR CRUSHED.
- AT THE COMMENCEMENT OF CONSTRUCTION PRUNE ROOTS CLEANLY USING ACCEPTABLE ARBORICULTURAL PRACTICES AND IMMEDIATELY BACKFILL WITH APPROPRIATE MATERIAL. THE FOLLOWING ARE GENERAL METHODS OF ROOT PRUNING TO TO UTILIZED WHEN GRADING / CONSTRUCTION WILL OCCUR WITHIN THE DRILIPE OF TREES:
  1. SOIL EXCAVATION USING SUPERSONIC AIR TOOLS, PRESSURIZED WATER OR HAND TOOLS, FOLLOWED BY SELECTIVE ROOT CUTTING
  2. CUTTING THROUGH THE SOIL ALONG A PREDETERMINED LINE ON THE SURFACE USING TOOL SPECIFICALLY DESIGNED TO CUT ROOTS
  3. MECHANICALLY EXCAVATING (E.G. BACKHOE) THE SOIL AND PRUNING WHAT IS LEFT OF THE EXPOSED ROOTS.
  4. CUTS TO BE MADE WITH HAND PRUNING SHEARS, BY-PASS BLADE, PRUNING SAW. DO NOT USE ANVIL TYPE PRUNERS.
- ANY BRANCHES THAT OVERHANG THE WORK AREA AND REQUIRE PRUNING ARE TO BE PRUNED USING GOOD ARBORICULTURAL PRACTICES UTILIZING BY-PASS SECATEURS IN ACCORDANCE WITH APPROVED HORTICULTURAL PRACTICES AND/OR AMERICAN NATIONAL STANDARD (ANSI) A300 (PART 1) - 2008 PRUNING.
- ALL EXISTING TREES WHICH ARE TO BE RETAINED SHALL BE FULLY PROTECTED WITH FENCING ERECTED AROUND THE ENTIRE PERIMETER OF THE TREE PROTECTION ZONE IN ACCORDANCE WITH THE MINIMUM TREE PROTECTION DISTANCES BELOW.
- AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT.

SEEDING:

- SEEDING SHALL BE APPLIED TO ALL AREAS DISTURBED BY THE CONSTRUCTION OPERATION THAT WILL NOT BE COVERED WITH GRANULAR TRAIL OR PARKING LOT SURFACING.
- IN PREPARATION FOR SEEDING, ALL SURFACE AREAS MUST BE UNIFORMLY GRADED AND SHALL BE FREE OF EROSION, CONCRETE, METAL, GLASS OR OTHER NON-ORGANIC DEBRIS AND UNWANTED MATERIALS. EXISTING SURFACE SOIL SHALL BE UNIFORMLY CULTIVATED TO A MINIMUM DEPTH 50mm TO PROVIDE A LOOSE AND FRIABLE SEEDBED TO ACCELERATE GERMINATION OF SEED.
- SEEDING SHALL BE BY MECHANICAL BROADCAST METHOD (E.G. HAND HELD OR WALK-BEHIND SPREADER) ON TO PREPARED SURFACE AND LIGHTLY HAND RAKED FOLLOWING APPLICATION TO ENSURE SEED CONTACT WITH SOIL.
- ALL SEED TO BE INSTALLED IN ACCORDANCE WITH SUPPLIER'S INSTRUCTIONS,
- ALL SEED NATIVE SEED MIXES TO BE BY ST. WILLIAMS NURSERY AND ECOLOGY CENTRE OR APPROVED EQUAL. ALL SEED BAGS / CONTAINERS TO BE SEALED UPON ARRIVAL AT SITE WITH ORIGINAL SUPPLIER'S SEED MIX NAME AND COMPOSITION CLEARLY LABELED ON OUTSIDE OF CONTAINER.
- SEED SHALL NOT BE APPLIED UNTIL CONTAINER AND LABELING HAS BEEN REVIEWED AND APPROVED BY PCA REPRESENTATIVE

MIX 1: ST. WILLIAMS - BOBOLINK & MEADOWLARK SEED MIX (OR APPROVED EQUAL)

COMMON NAME	SPECIES	PERCENT %
RIVERBANK RYE	ELYMUS RIPARIUS	30
VIRGINIA RYE	ELYMUS VIRGINICUS	30
BIG BLUE STEM	ANDROPOGON GERARDII	10
CANADA RYE	ELYMUS CANADENSIS	10
SWITCH GRASS	PANICUM VIRGATUM	5
GOLD FRUITED SEDGE	CAREX AUREA	3
FRINGED SEDGE	CAREX CRINITA	2
ROUGH DROPSEED	SPOROBOLUS ASPER	2
COMMON MILKWEEED	ASCLEPIAS SYRIACA	2
BLUE VERVAIN	VERBENA HASTATA	2
VIRGINIA MOUNTAIN MINT	PHYCANTHEMUM VIRGINIANUM	2
GREEN HEADED CONEFLOWER	RUDBECKIA LACINIATA	1
BLUE JOINT	CALAMAGROSTIS CANADENSIS	1

MIX 2: ST. WILLIAMS - STREAM CHANNEL AND WETLAND EDGE MIX (OR APPROVED EQUAL)

COMMON NAME	SPECIES	PERCENT %
RIVERBANK RYE	ELYMUS RIPARIUS	35
VIRGINIA RYE	ELYMUS VIRGINICUS	35
SWITCH GRASS	PANICUM VIRGATUM	8
GOLD FRUITED SEDGE	CAREX AUREA	3
BLUE VERVAIN	VERBENA HASTATA	3
HOP SEDGE	CAREX LUPINA	3
SWAMP MILKWEED	ASCELIAS INCARNATA	2
TALL SUNFLOWER	HELIANTHUS GIGANTEA	2
FRINGED SEDGE	CAREX CRINATA	2
SOFT RUSH	JUNCUS EFFUSES	2
VIRGINIA MOUNTAIN MINT	PHYONANTHEMUM VIRGINIANUM	2
GREEN HEADED CONEFLOWER	RUDEBECKIA LACINIATA	1
SNEEZEWEED	HELENIUM AUTUMNALE	1
GREEN HEADED CONEFLOWER	RUDEBECKIA LACINIATA	1
TALL MANNA GRASS	GLYCERIA GRANDIS	1
GREAT ST. JOHNS WORT	HYPERICUM ASCYRON	1

MIX 3: ST. WILLIAMS - SEMI-SHADE FOREST EDGE MIX (OR APPROVED EQUAL)

COMMON NAME	SPECIES	PERCENT %
BOTTLE BRUSH GRASS	ELYMUS HYSTRIX	30
SILKY RYE	ELYMUS VILLOSUM	30
INDIAN GRASS	SORGHASTRUM NUTANS	10
BIG BLUESTEM	ANDROPOGON GERARDII	10
WILD COLUMBINE	AQUILEGIA CANADENSIS	8
GIANT YELLOW HYSSOP	AGASTACHE NEPETOIDES	3
SWITCH GRASS	PANICUM VIRGATUM	3
WHITE VERVAIN	VERBENA URTRICULATA	2
VIRGINIA MOUNTAIN MINT	PHYCANTHEMUM VIRGINIANUM	2
DWARF BLAZING STAR	LIATRIS CYLINDRACEA	2

NURSE CROF

- ANNUAL RYE. SEED AT RATE OF 30KG/HA

- SEED TO BE APPLIED WITHIN 7 DAYS OF ADJACENT TRAIL WORK COMPLETION.
- NURSE CROP TO BE APPLIED AT THE SAME TIME AS SEED MIXES.
- DO NOT APPLY SEED MIXES 1, 2, 3 & 4 BY SASSAFRAS NURSERY TO UPLAND, LOWLAND, AND FORESTED AREAS RESPECTIVELY BETWEEN THE WINDOWS OF NOVEMBER 1-MARCH 30 AND JULY 1-AUGUST 30.

[illegible]

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPROVED	

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CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

# ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

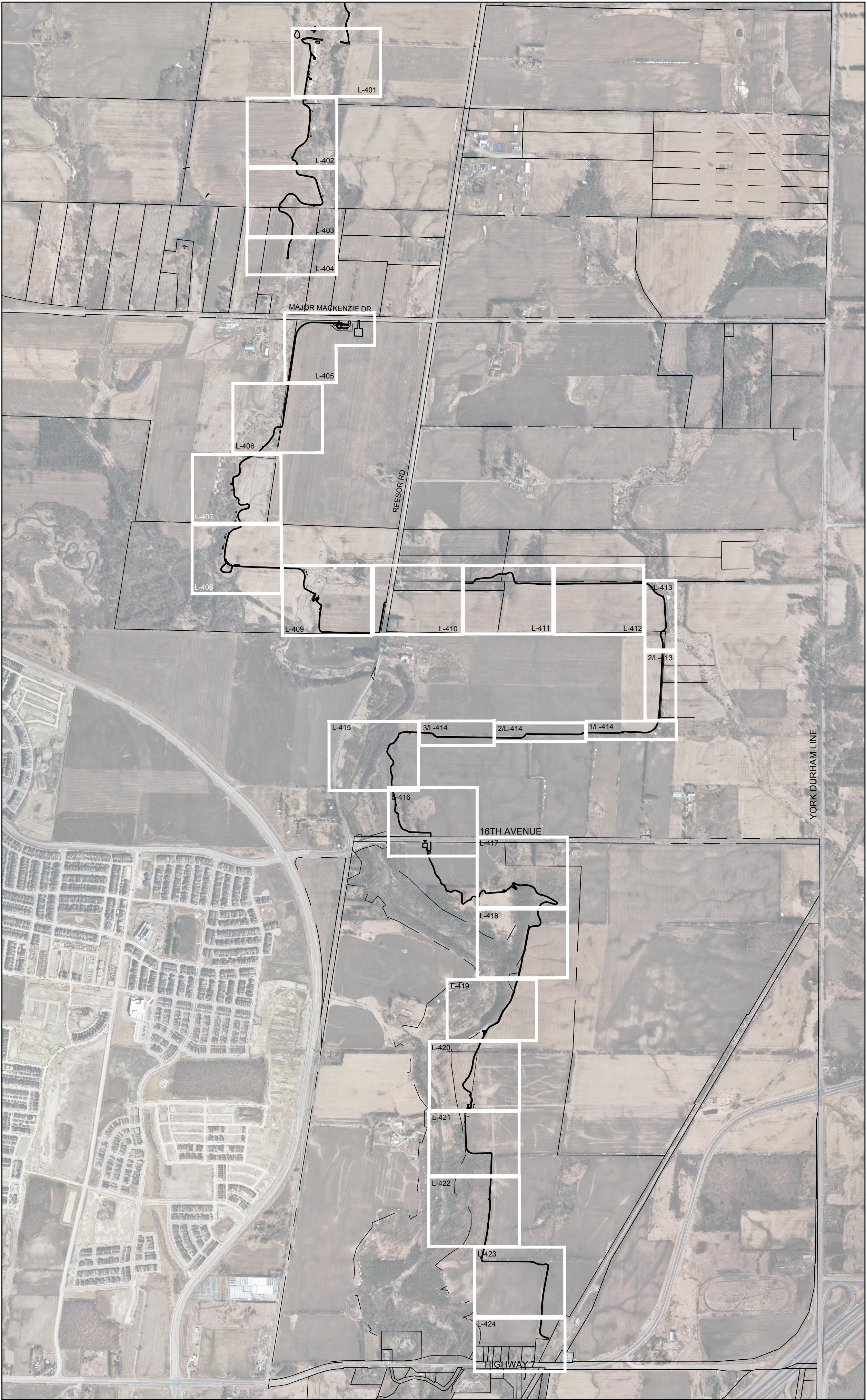
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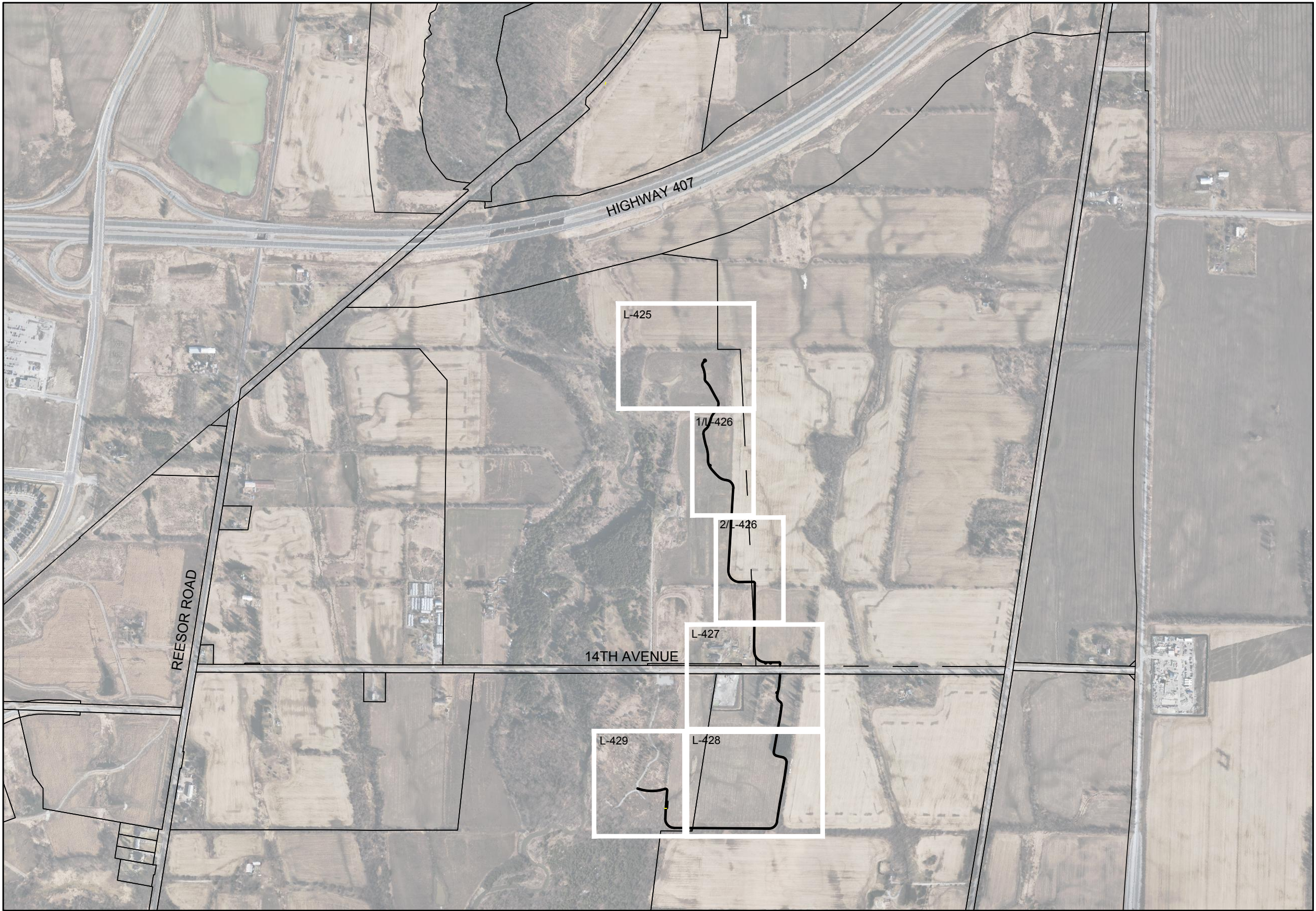
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PROJECT NUMBER			DWG. NUMBER		
19M-01556-00			L-100		





1  
L-200

Scale: 1:10000



2  
L-200

Scale: 1:10000

4	11/17/2020	ISSUED FOR TENDER	CB	CB
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NO	DATE	REVISION/ISSUED	BY	APPD

wspp

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CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

KEY MAP

STAMP

STAMP

DESIGNED CB/IG

DRAWN CB

CHECKED CB

SCALE 1:10000

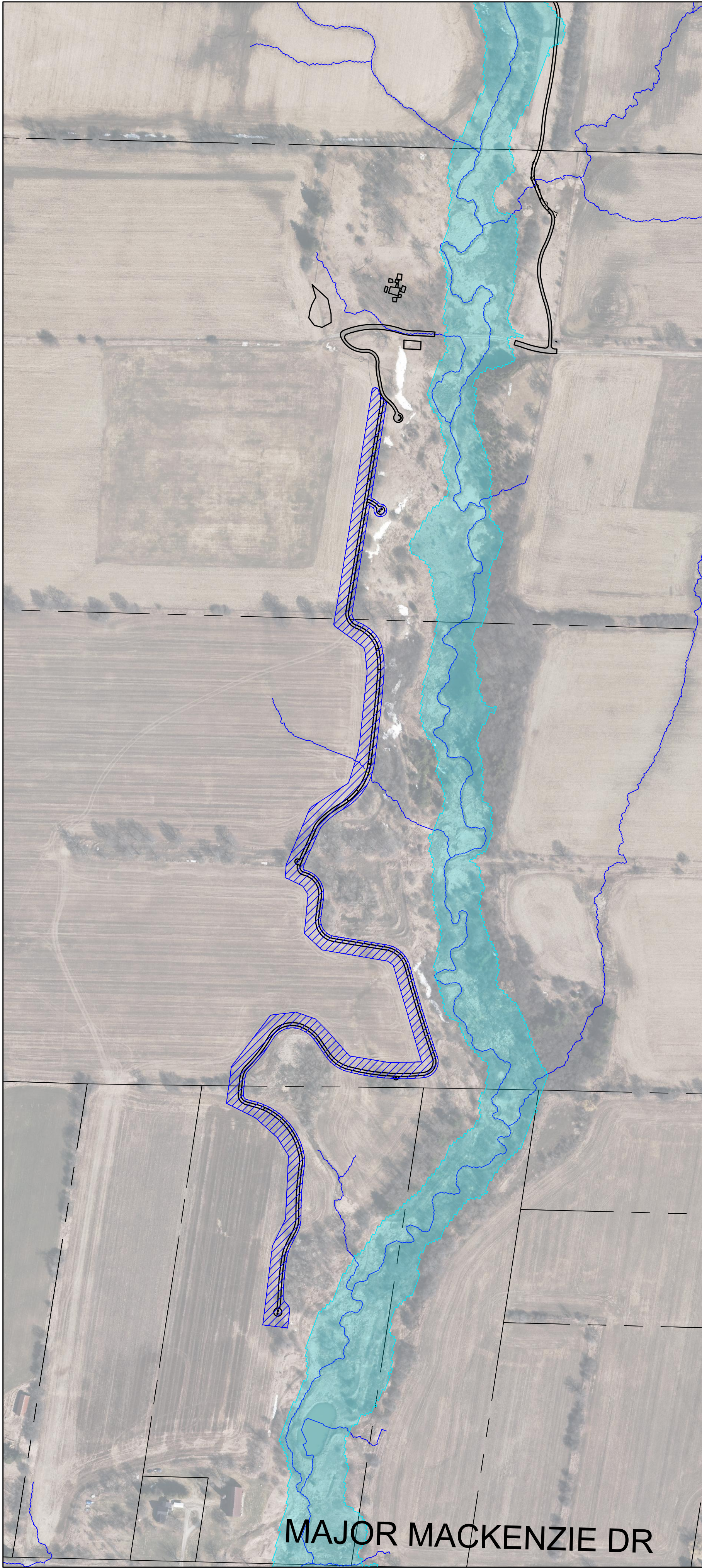
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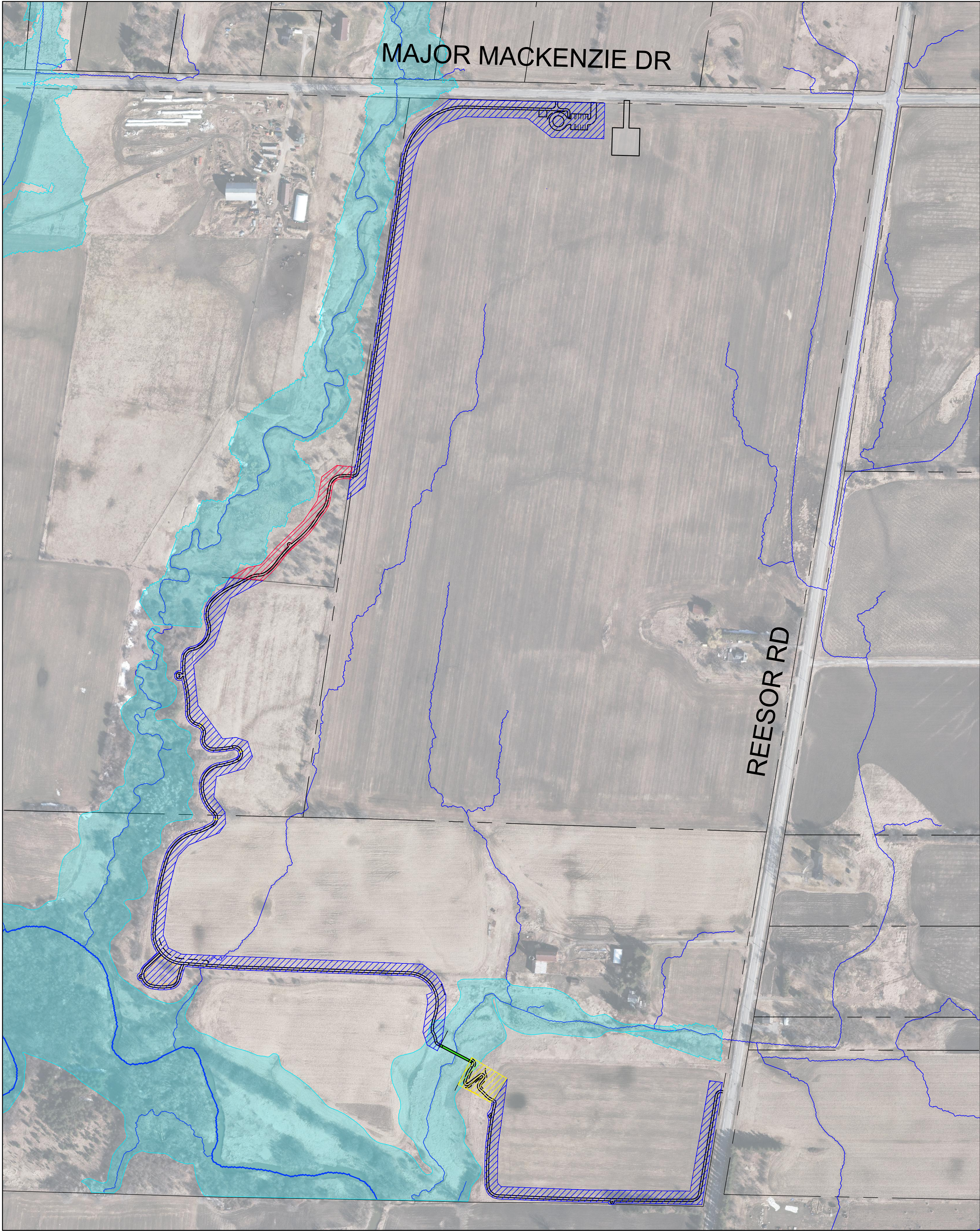
DWG. NUMBER L-200

Y:\MDCD\19\2020\19M-01556-00 - RNUP Trails\Drawings\RNUP Trails - Landscape Plans - 1 to 500 - Standard\RNUP Trails - Landscape Plans - Issued for Tender.dwg





1 SEEDING PLAN - CEMETERY TO MAJOR MACKENZIE DRIVE Scale: 1:2500



2 SEEDING PLAN - TO MAJOR MACKENZIE DRIVE TO REESOR ROAD Scale: 1:2500

LEGEND

SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

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PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN

STAMP

STAMP

DESIGNED CB/IG

DRAWN CB

CHECKED CB

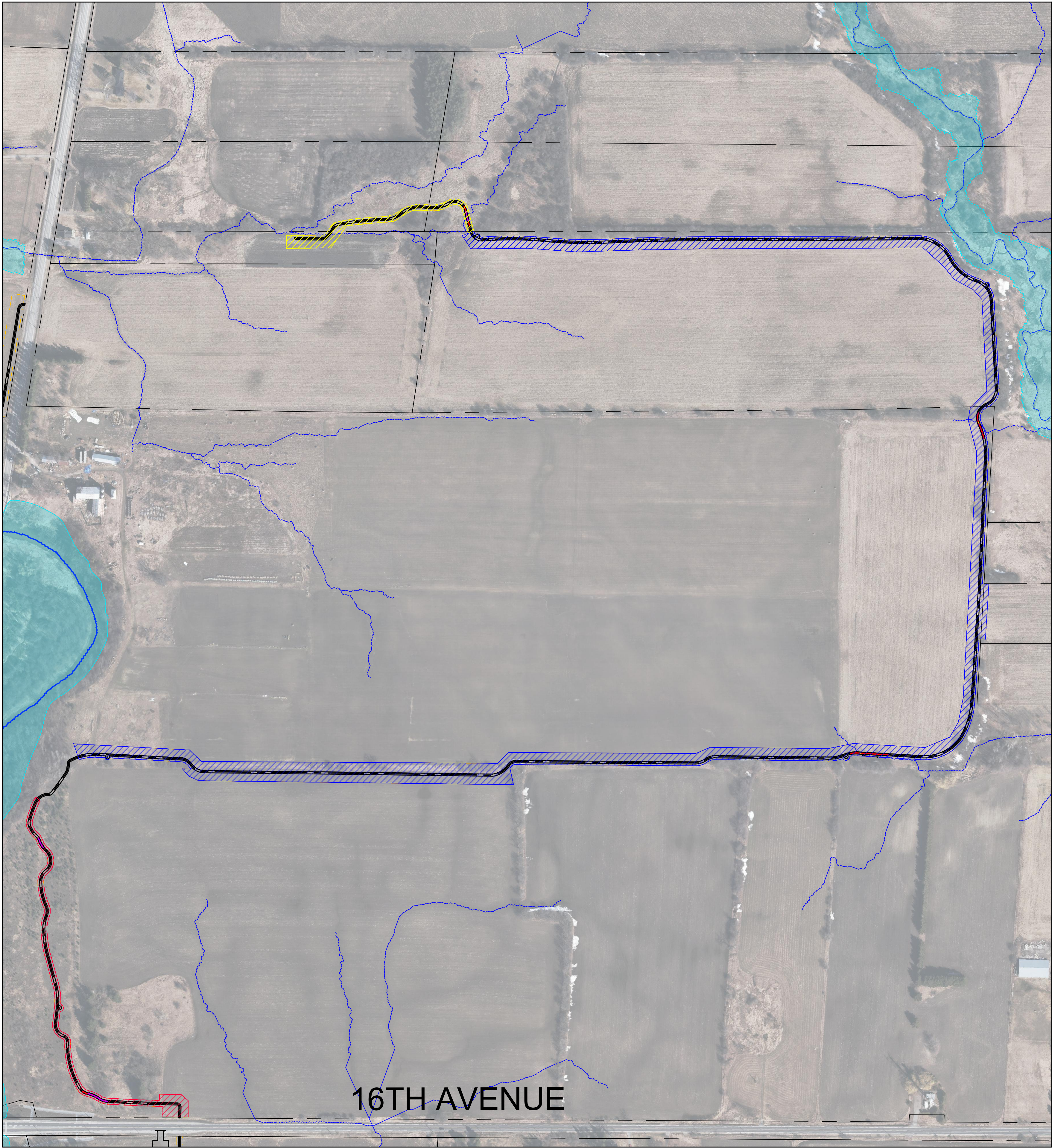
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DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00

DWG. NUMBER L-301





LEGEND

SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

wsp

Landscape Architecture

100 Commerce Valley Drive W

Thornhill, ON L3T 0A1

T. 905-882-1100

www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN

STAMP

STAMP

DESIGNED CB/IG

DRAWN CB

CHECKED CB

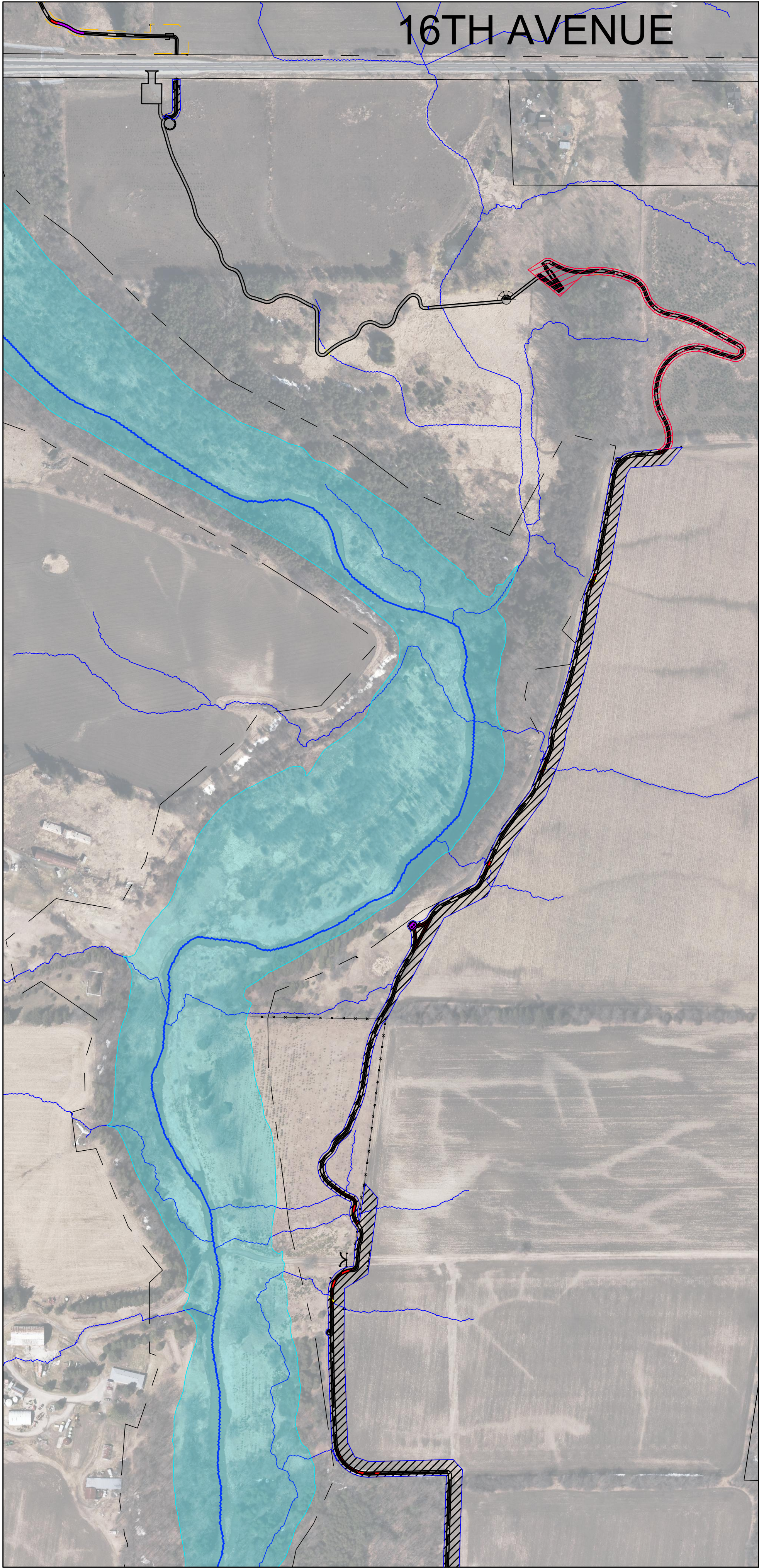
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DATE NOVEMBER 2020

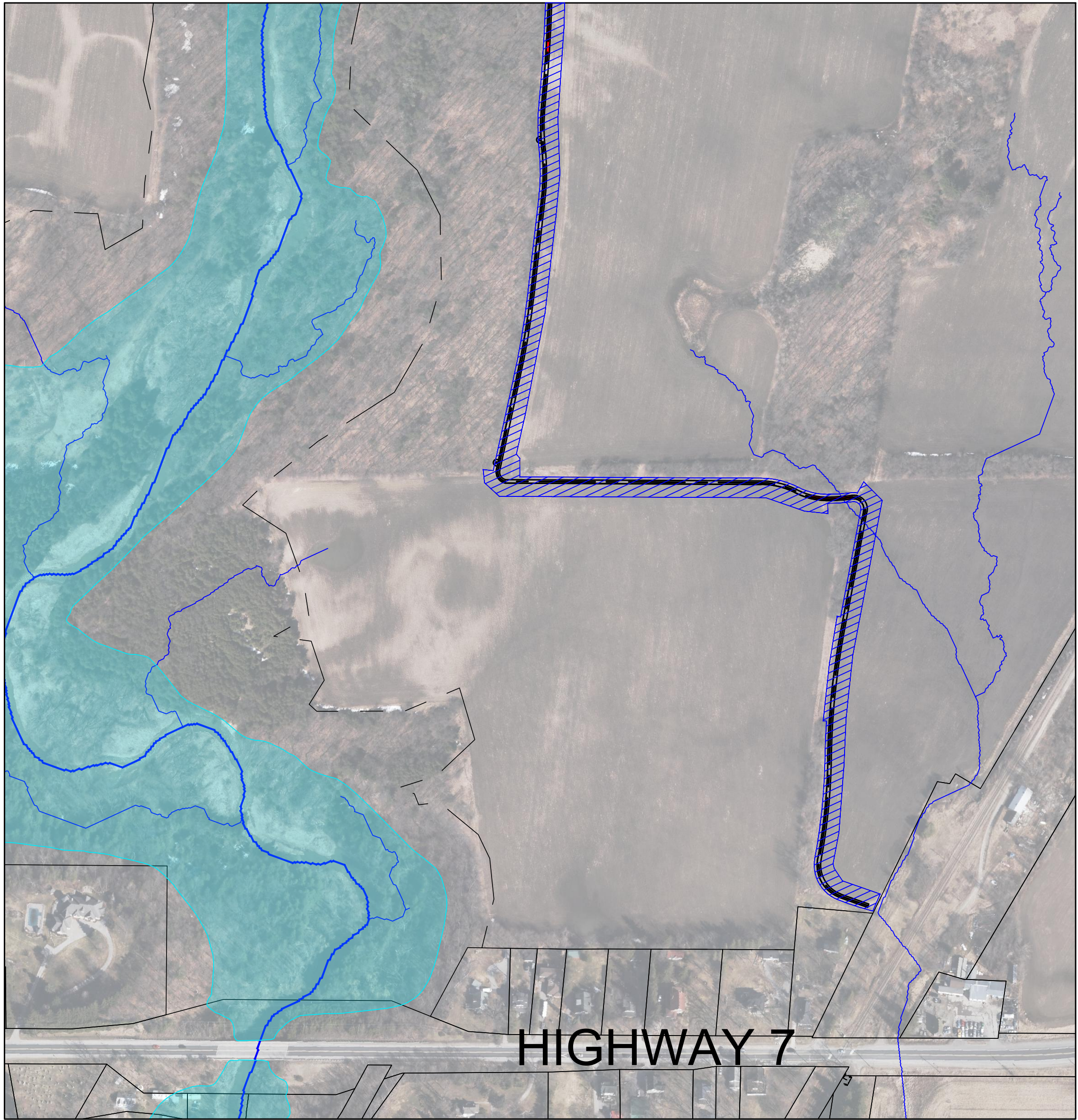
PROJECT NUMBER 19M-01556-00

DWG. NUMBER L-302





1 SEEDING PLAN - 16TH AVE TO HIGWAY 7 Scale: 1:2500



2 SEEDING PLAN - 16TH AVE TO HIGWAY 7 Scale: 1:2500

LEGEND

SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

WSP

Landscape Architecture

100 Commerce Valley Drive W

Thornhill, ON L3T 0A1

T. 905-882-1100

www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN

STAMP

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DESIGNED CB/IG

DRAWN CB

CHECKED CB

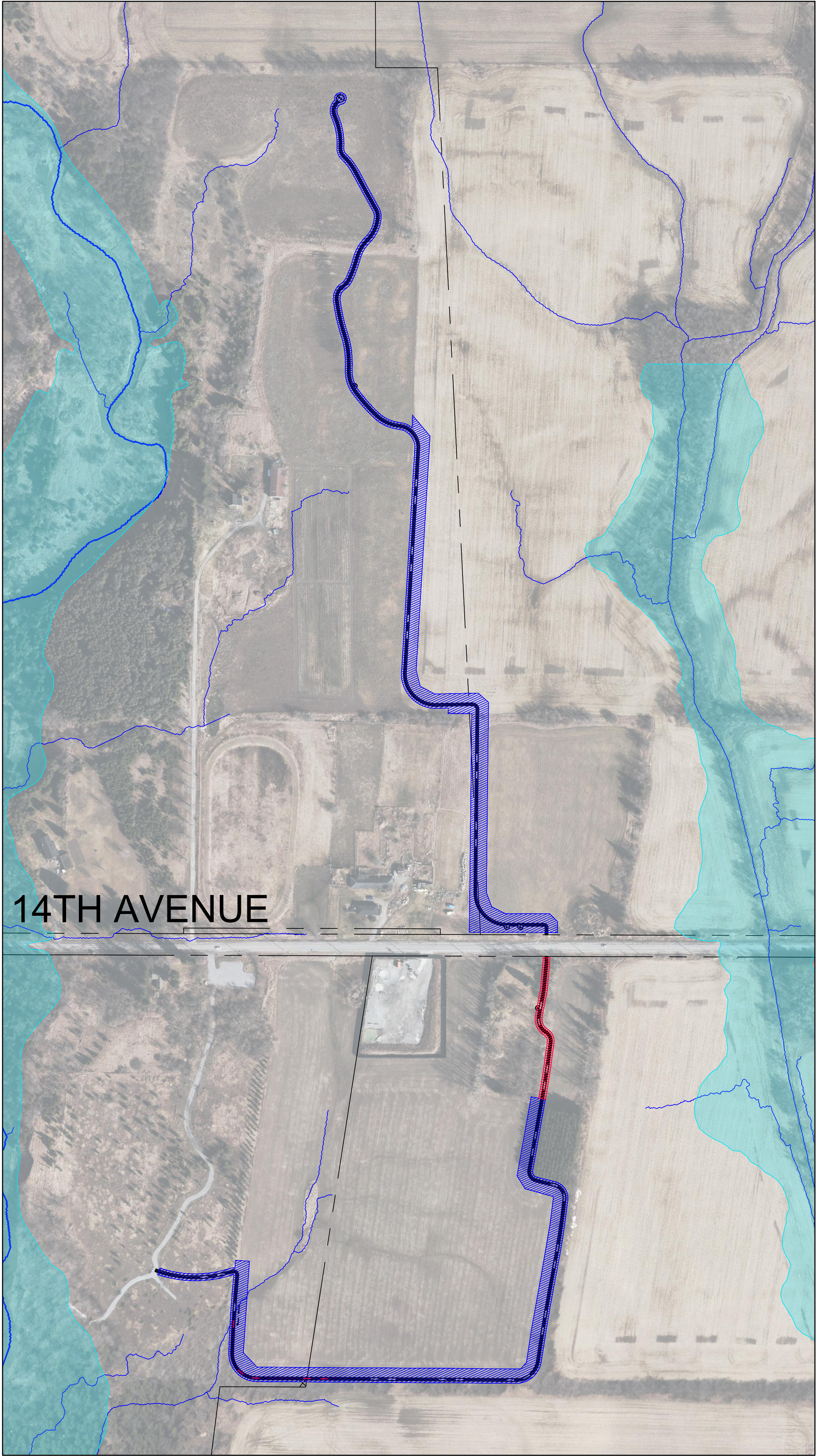
SCALE 1:2500

DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00

DWG. NUMBER L-303





14TH AVENUE

LEGEND

SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

wsp

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100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN

STAMP

STAMP

DESIGNEDCB/IGDRAWNCB

CHECKEDCB

SCALE1:2500

DATE

NOVEMBER 2020

PROJECT NUMBER

DWG. NUMBER

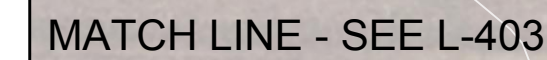
19M-01556-00

L-304









Scale: 1:500



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| 4  | 11/17/2020 | ISSUED FOR TENDER        | CB | CB   |  |
| 3  | 11/06/2020 | ISSUED FOR 90% REVIEW    | CB | CB   |  |
| 2  | 04/29/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN  |  |
| 1  | 03/05/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN  |  |
| NO | DATE       | REVISION/ISSUED          | BY | APPD |  |



PROJECT TITLE:

SITE ADDRESS:

DRAWING TITLE:

STAMP

DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
SCALE 1:500		DATE		NOVEMBER 2020	
PROJECT NUMBER			DWG. NUMBER		
19M-01556-00			L-402		

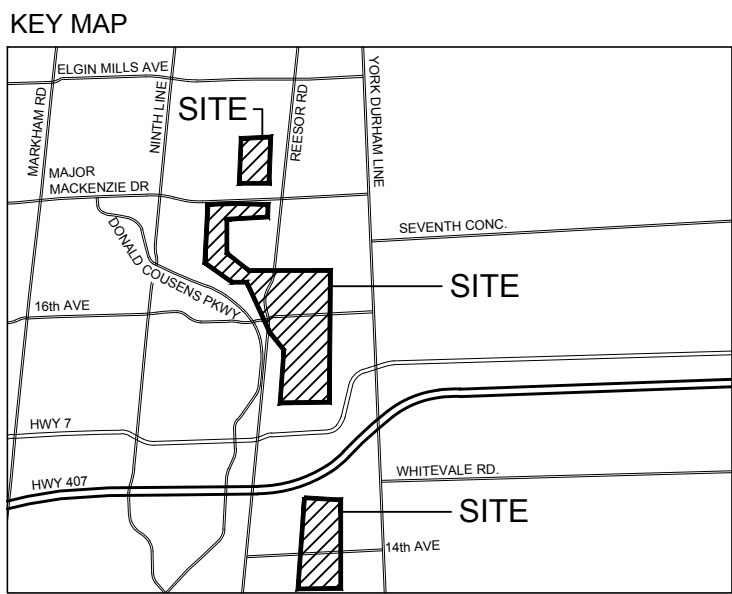


MATCH LINE - SEE L-402



MATCH LINE - SEE L-404

1  
L-403



- LEGEND
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
  - EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
  - EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPD	

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Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT: **PARKS CANADA**

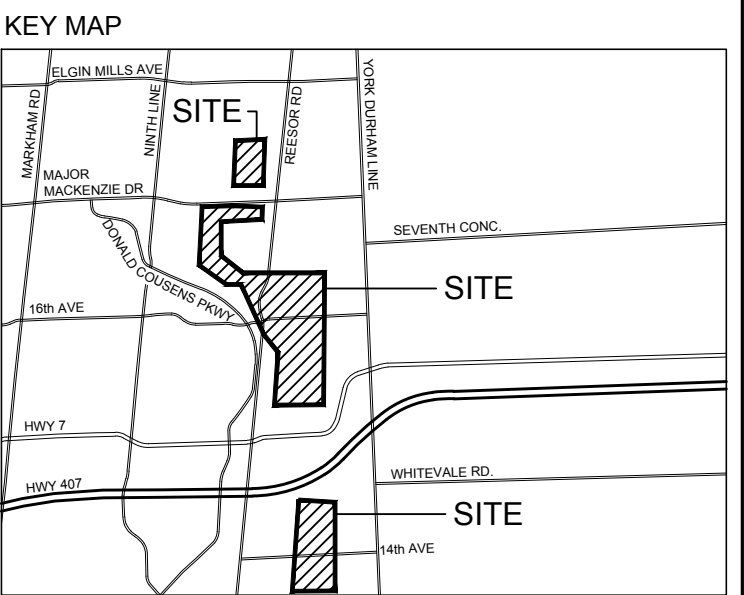
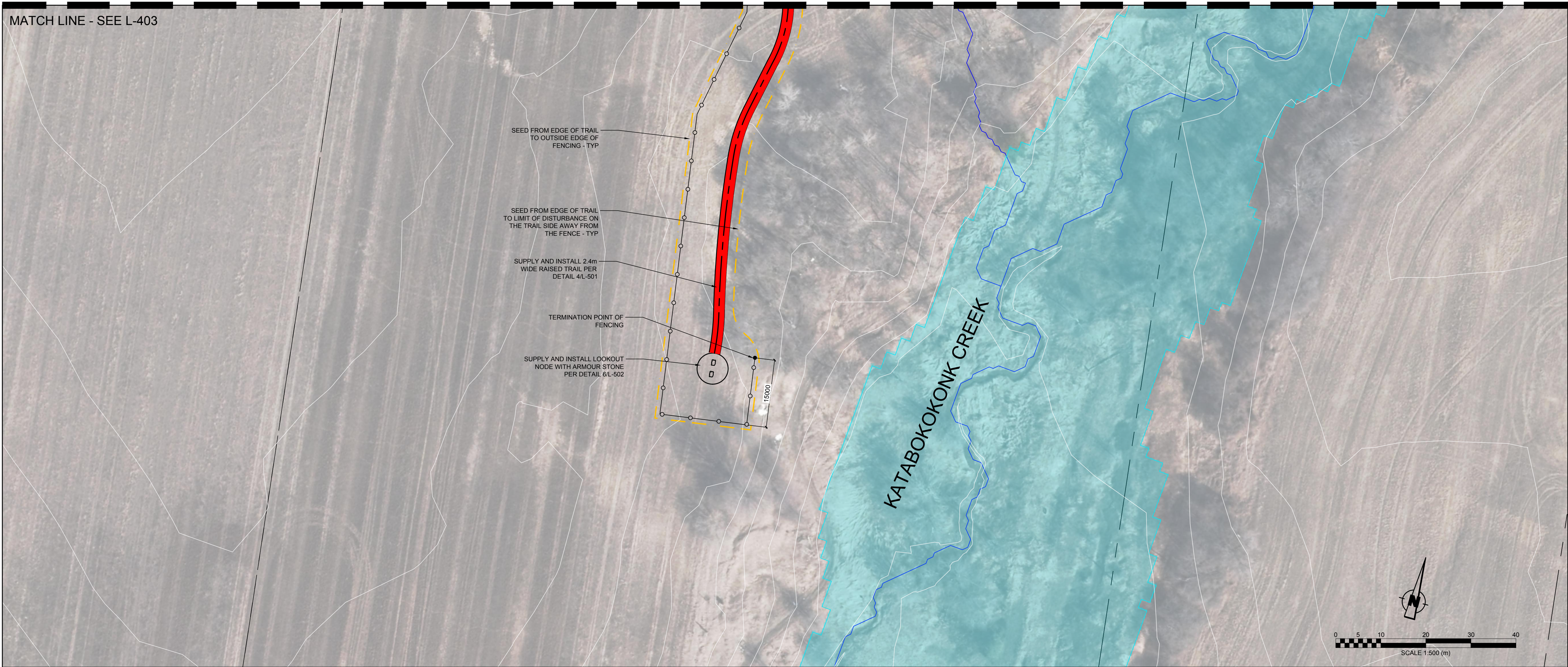
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SITE ADDRESS: **ROUGE NATIONAL URBAN PARK**

DRAWING TITLE: **LANDSCAPE PLANS**

STAMP	STAMP
DESIGNED CB/IG	DRAWN CB
SCALE 1:500	CHECKED CB
PROJECT NUMBER 19M-01556-00	DATE NOVEMBER 2020
	DWG. NUMBER L-403





- LEGEND
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
  - EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
  - EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPD	

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Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT: PARKS CANADA

PROJECT TITLE: ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

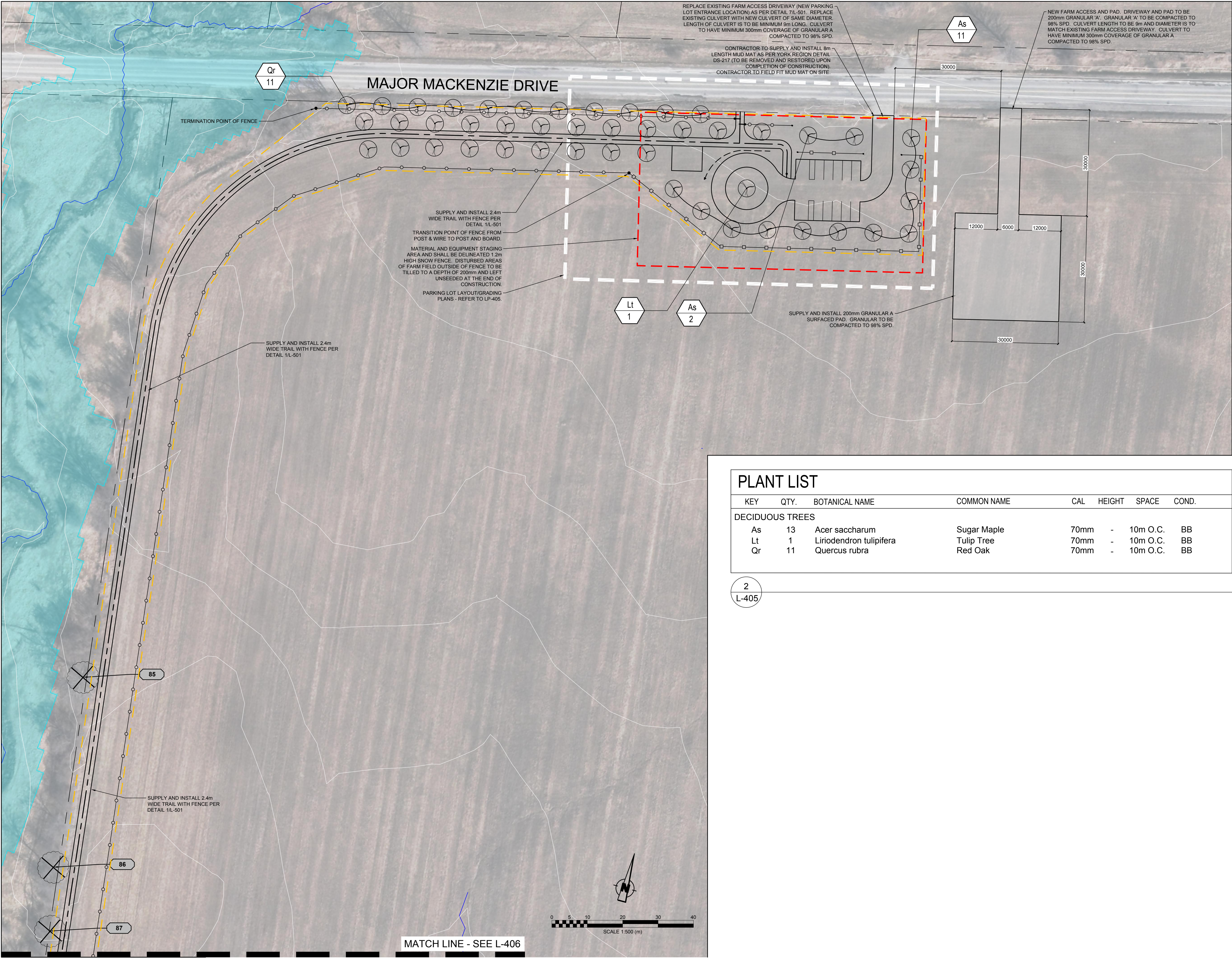
SITE ADDRESS: ROUGE NATIONAL URBAN PARK

DRAWING TITLE: LANDSCAPE PLANS

STAMP

DESIGNED CB/IG DRAWN CB CHECKED CB  
SCALE 1:500 DATE NOVEMBER 2020  
PROJECT NUMBER 19M-01556-00 DWG. NUMBER L-404

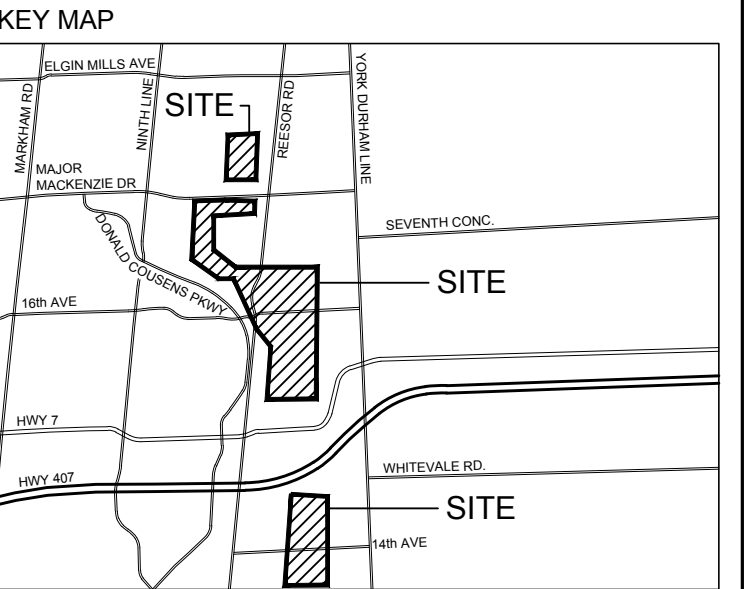




### PLANT LIST

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL	HEIGHT	SPACE	COND.
DECIDUOUS TREES							
As	13	Acer saccharum	Sugar Maple	70mm	-	10m O.C.	BB
Lt	1	Liriodendron tulipifera	Tulip Tree	70mm	-	10m O.C.	BB
Qr	11	Quercus rubra	Red Oak	70mm	-	10m O.C.	BB

2  
L-405



- LEGEND**
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7L-502
  - EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
  - EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

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Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT: **PARKS CANADA**

PROJECT TITLE: **ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3**

SITE ADDRESS: **ROUGE NATIONAL URBAN PARK**

DRAWING TITLE: **LANDSCAPE PLANS**

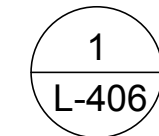
STAMP

DESIGNED CB/IG DRAWN CB CHECKED CB  
SCALE 1:500 DATE **NOVEMBER 2020**  
PROJECT NUMBER **19M-01556-00** DWG. NUMBER **L-405**





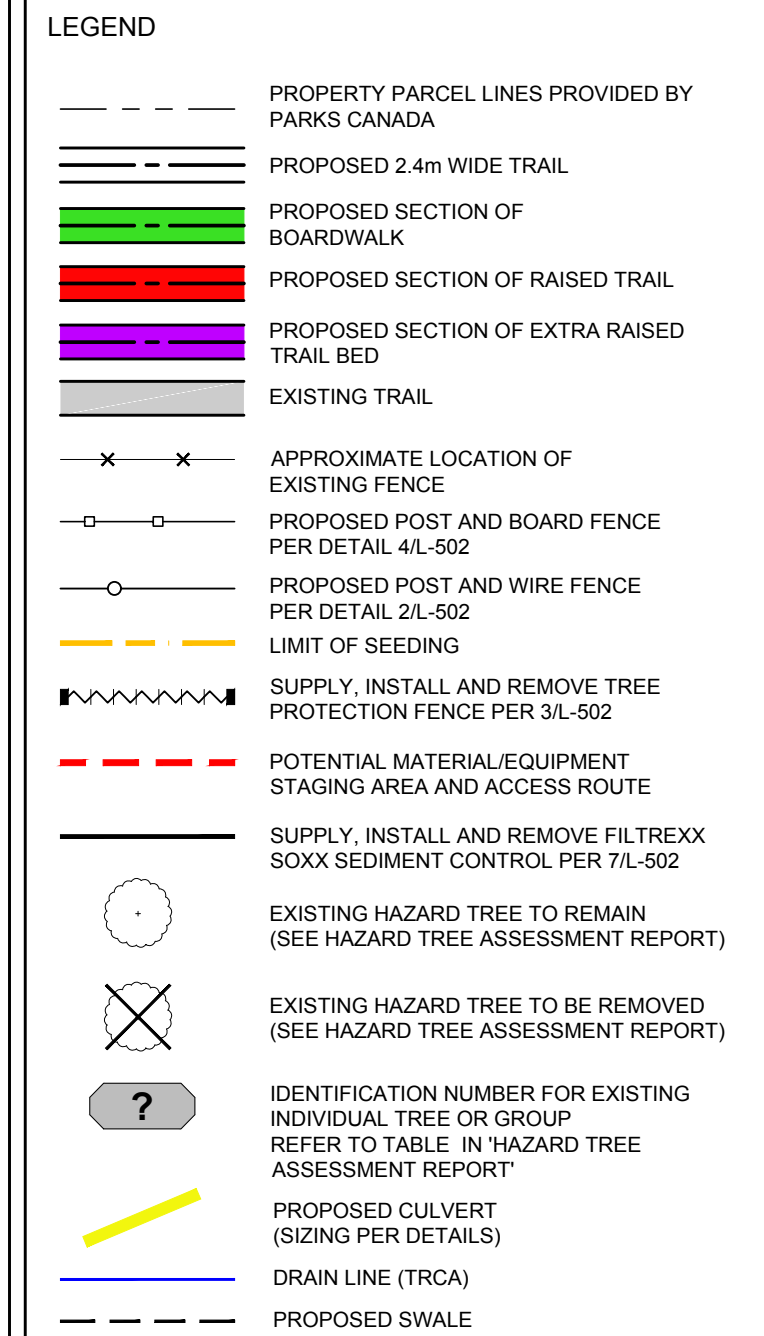
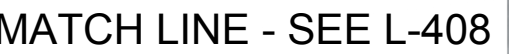




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19M-01556-00	L-407
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| 4  | 11/17/2020 | ISSUED FOR TENDER        | CB | CB   |
| 3  | 11/06/2020 | ISSUED FOR 90% REVIEW    | CB | CB   |
| 2  | 04/29/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN  |
| 1  | 03/05/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN  |
| NO | DATE       | REVISION/ISSUED          | BY | APPD |



PROJECT TITLE:

SITE ADDRESS:

DRAWING TITLE:

STAMP

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Scale: 1:500

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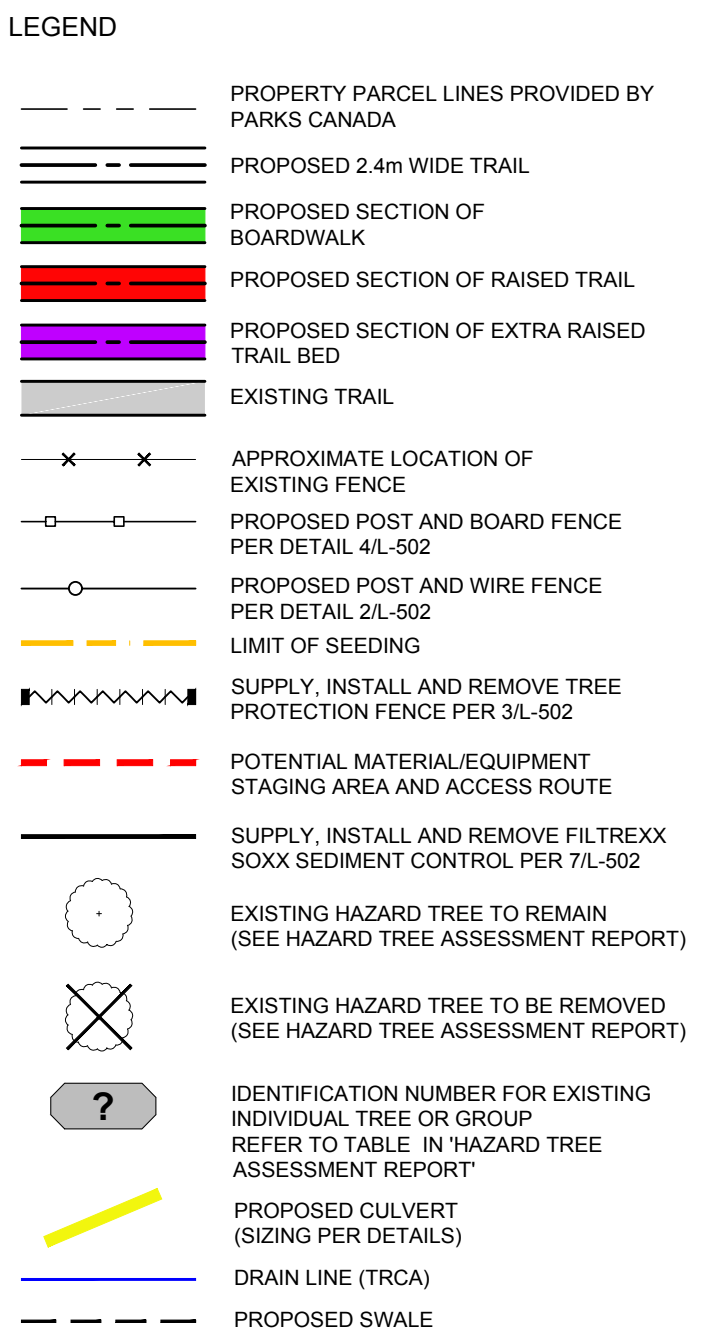
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MATCH LINE - SEE L-411



4	11/17/2020	ISSUED FOR TENDER		CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW		CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW		CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW		CB	LSN
NO	DATE	REVISION/ISSUED		BY	APPR

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100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
t. 905-882-1100  
[www.wsp.com](http://www.wsp.com)

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS: \_\_\_\_\_

# ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS

STAMP	STAMP
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[illegible][illegible]

	1980	1985	1990	1995	2000	2005	2010	2015	2020
Population	76.5	80.5	84.5	88.5	92.5	96.5	100.0	103.5	107.0
GDP (constant prices)	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0
Government expenditure	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Private consumption	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
Investment	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Savings	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Exports	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Imports	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0

	1980	1985	1990	1995	2000	2005	2010	2015	2020
Population	76.5	80.5	84.5	88.5	92.5	96.5	100.0	103.5	107.0
GDP (constant prices)	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0
Per capita GDP	130.7	186.3	236.7	283.5	325.4	363.6	400.0	432.0	467.2
Life expectancy at birth	65.0	68.0	71.0	74.0	77.0	80.0	83.0	86.0	89.0
Infant mortality rate	100.0	80.0	60.0	40.0	20.0	10.0	5.0	2.5	1.0
Fertility rate	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
Urban population (%)	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0
Rural population (%)	80.0	75.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0
Employment in agriculture (%)	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	2.0
Unemployment rate (%)	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
Government expenditure as % of GDP	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0
Private investment as % of GDP	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0
Public debt as % of GDP	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
Foreign aid as % of GDP	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Health expenditure as % of GDP	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Educational expenditure as % of GDP	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Environmental expenditure as % of GDP	0.5	0.8	1.2	1.5	1.8	2.2	2.5	2.8	3.2
Research and development as % of GDP	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
Trade openness (% of GDP)	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0
Corruption index	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Gender inequality index	0.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3
Social progress index	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Human Development Index	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Poverty share of population below \$1/day	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0
Income inequality (Gini coefficient)	0.4	0.35	0.3	0.25	0.2	0.15	0.1	0.05	0.0
Political rights score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Civil liberties score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Press freedom score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Judicial independence score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Electoral integrity score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Transparency International score	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
World Economic Forum competitiveness index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Global Innovation Index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Digital divide index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Renewable energy consumption (% of total)	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
Air quality index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Water supply index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Housing index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Food security index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Nutrition index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Mental health index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Substance abuse index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Tobacco consumption index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Alcohol consumption index	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Drug consumption index									

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DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
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SCALE 1:500 DATE NOVEMBER 2020

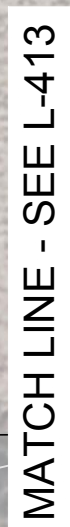
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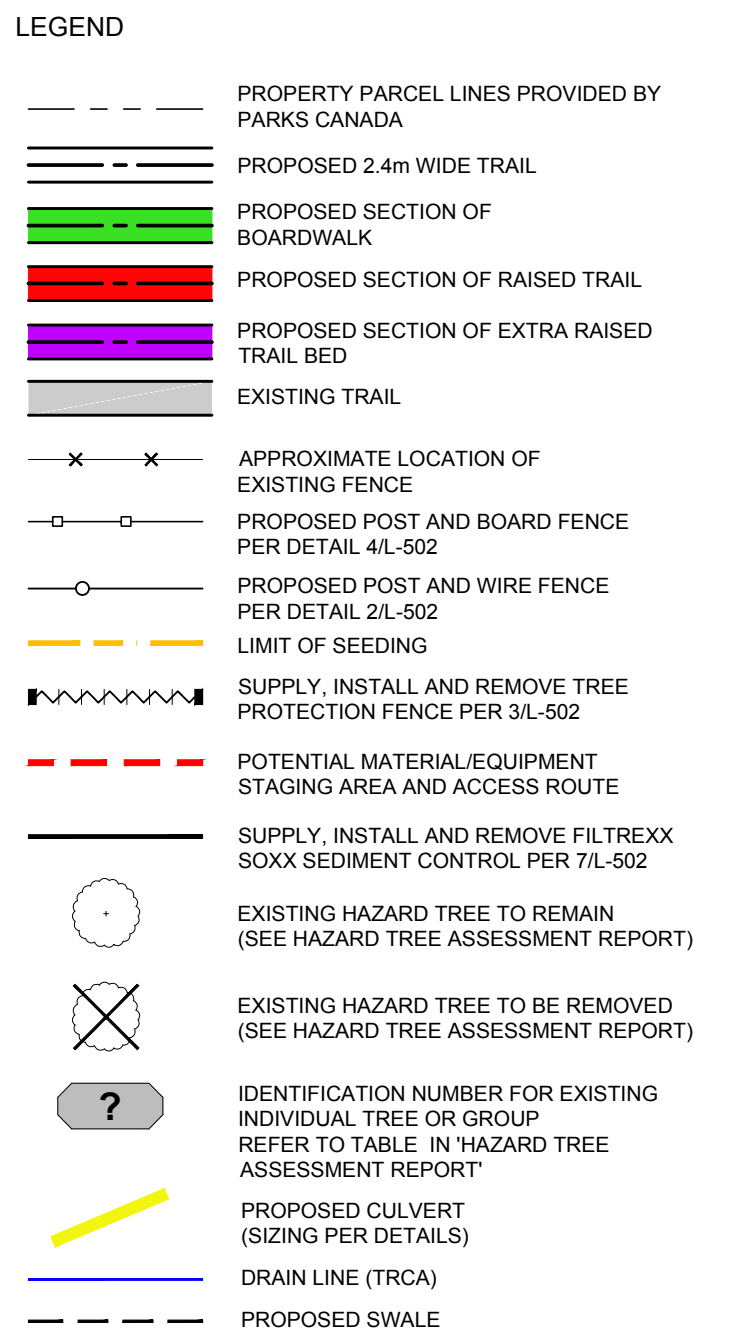
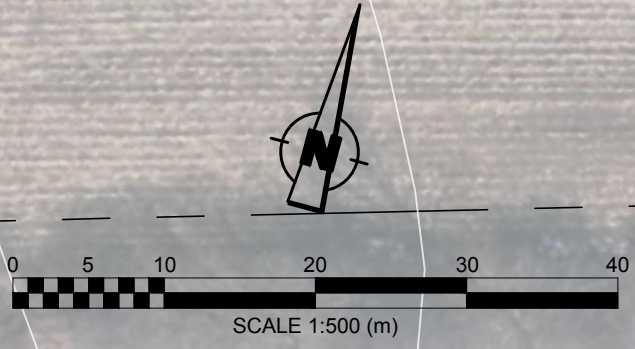
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Scale: 1:500









4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPR

**WSP** Landscape Architecture  
100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
t. 905-882-1100  
[www.wsp.com](http://www.wsp.com)

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

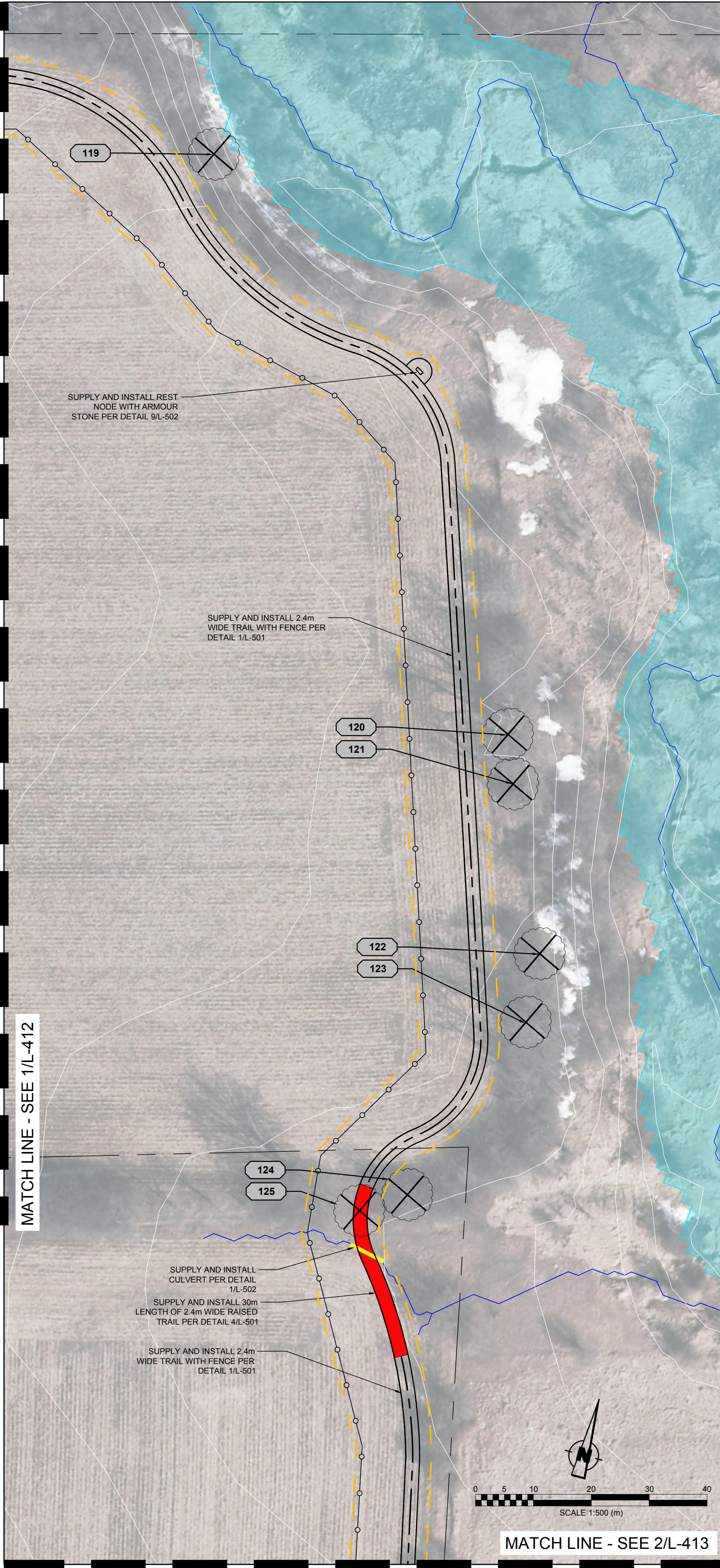
LANDSCAPE PLANS

STAMP	STAMP
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DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
SCALE 1:500			DATE NOVEMBER 2020		
PROJECT NUMBER			DWG. NUMBER		
19M-01556-00			L-412		



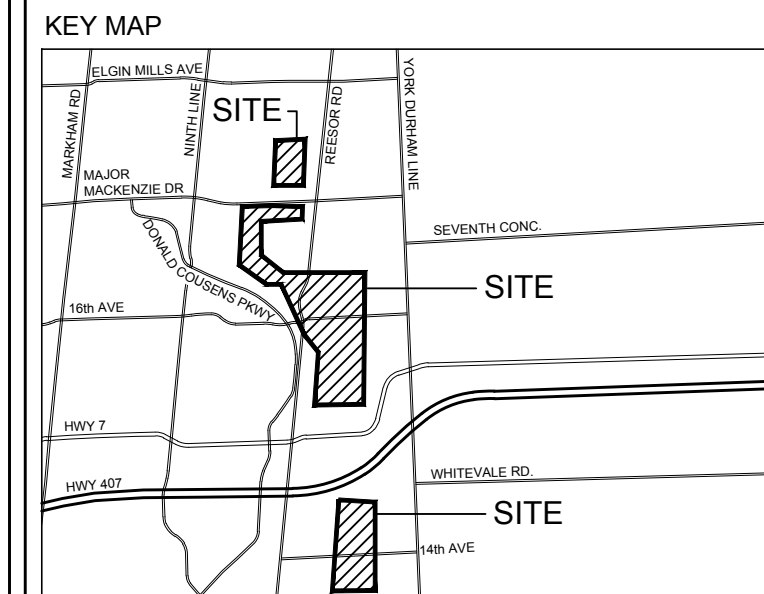
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1  
L-413



2  
L-413



- LEGEND
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
  - EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
  - EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

NO	DATE	REVISION/ISSUED	BY	APPD
4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN

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t. 905-882-1100  
www.wsp.com

CLIENT: PARKS CANADA

PROJECT TITLE: ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS: ROUGE NATIONAL URBAN PARK

DRAWING TITLE: LANDSCAPE PLANS

STAMP

DESIGNED CB/IG DRAWN CB CHECKED CB

SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00 DWG. NUMBER L-413

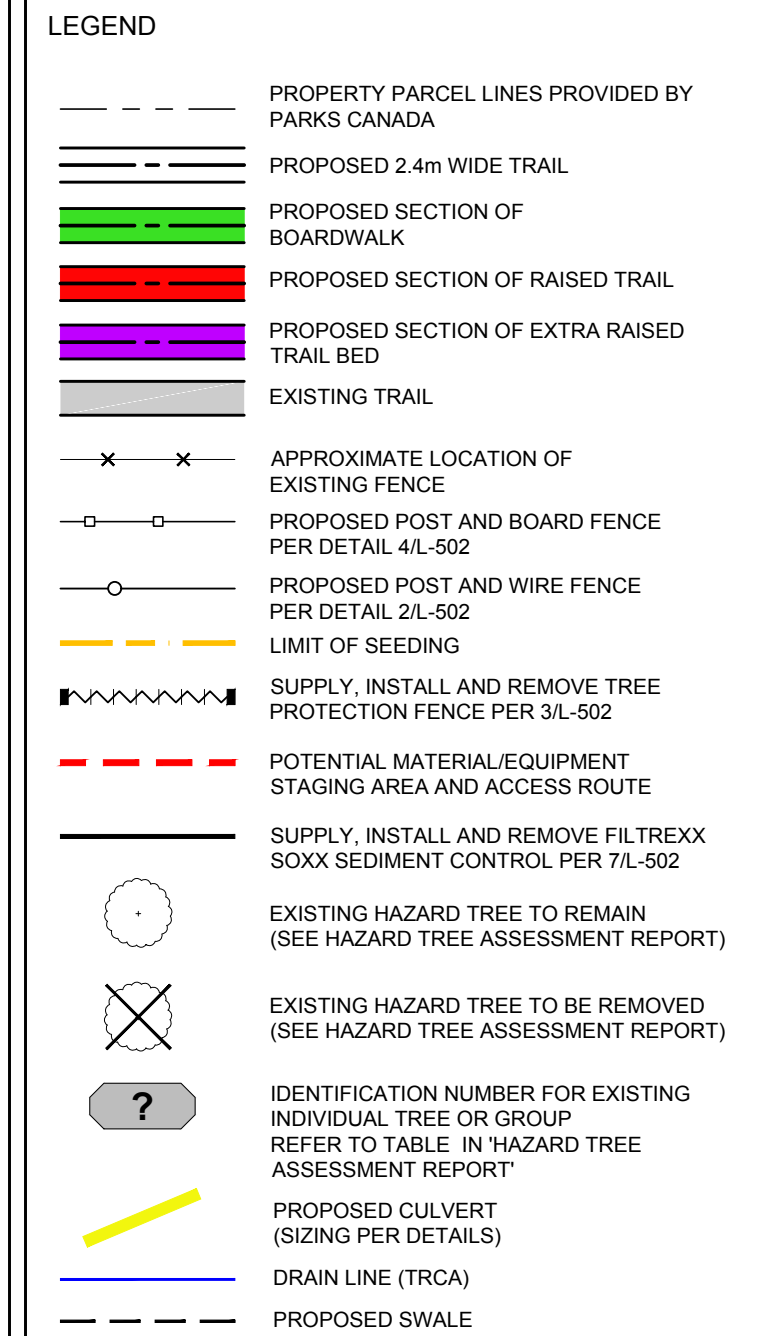
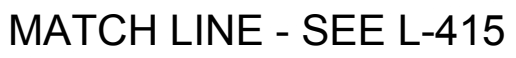












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3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APP	

CLIENT:			
PARKS CANADA			
PROJECT TITLE:			
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3			
SITE ADDRESS:			
ROUGE NATIONAL URBAN PARK			
DRAWING TITLE:			
LANDSCAPE PLANS			
STAMP		STAMP	
DESIGNED CB/IG		DRAWN	CB
SCALE 1:500		DATE	NOVEMBER 2020
PROJECT NUMBER		DWG. NUMBER	
19M-01556-00		L-416	



MATCH LINE - SEE L-416

MATCH LINE - SEE L-418

1  
L-417

16th AVENUE

CONTRACTOR TO SUPPLY AND INSTALL 8m LENGTH MUD MAT AS PER YORK REGION DETAIL DS-217 (TO BE REMOVED AND RESTORED UPON COMPLETION OF CONSTRUCTION). CONTRACTOR TO FIELD FIT MUD MAT ON SITE.

MATERIAL AND EQUIPMENT STAGING ACCESS ROUTE

MATERIAL AND EQUIPMENT STAGING ACCESS ROUTE

POTENTIAL MATERIAL AND EQUIPMENT STAGING ACCESS ROUTE

MATERIAL AND EQUIPMENT STAGING AREA AND SHALL BE DELINEATED WITH TEMPORARY 1.2m HIGH 2x2" WOOD POSTS. DISTURBED AREA TO BE SEED AS PER CONTRACT SPECIFICATIONS UPON DEMOBILIZATION FROM STAGING AREA

POTENTIAL MATERIAL AND EQUIPMENT STAGING ACCESS ROUTE  
SUPPLY AND INSTALL 2.4m WIDE TRAIL PER DETAIL 1/L-501

NOTE: IF GROUND IS NOT FROZEN, CONTRACTOR SHALL LAY GEOTEXTILE WITH 100mm LAYER OF WOOD BARK CHIPS ALONG ENTIRE ACCESS ROUTE AND STAGING AREA. AT COMPLETION OF WORKS, SCATTER WOOD CHIPS TO A DEPTH OF 25mm MAXIMUM THROUGH AREA OF CONSTRUCTION OUTSIDE OF CLEAR ZONE AND REMOVE GEOTEXTILE OFF SITE.

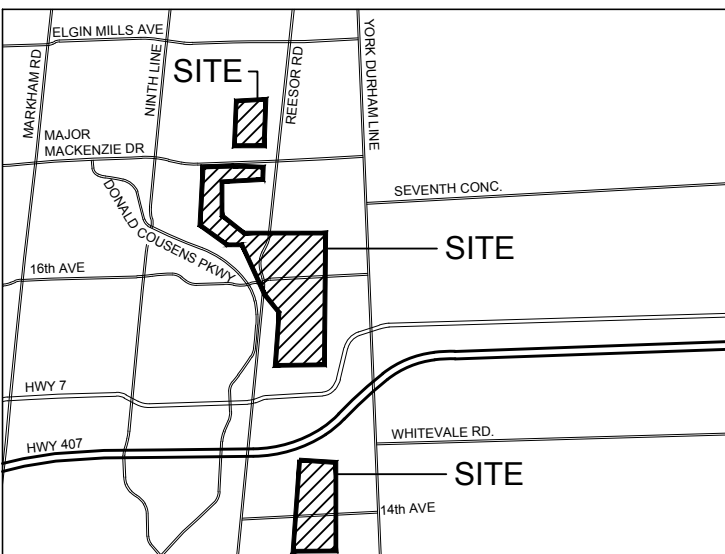
SUPPLY AND INSTALL 2.4m WIDE TRAIL PER DETAIL 1/L-501

EXISTING BOARDWALK AND PERGOLA STRUCTURE  
SWITCHBACK PLAN ENLARGEMENT - SEE SHEET LG-417 FOR PLANTING LAYOUT AND GRADING

EXISTING TRAIL

0 5 10 20 30 40  
SCALE 1:500 (m)

KEY MAP



LEGEND

- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
- PROPOSED 2.4m WIDE TRAIL
- PROPOSED SECTION OF BOARDWALK
- PROPOSED SECTION OF RAISED TRAIL
- PROPOSED SECTION OF EXTRA RAISED TRAIL BED
- EXISTING TRAIL
- APPROXIMATE LOCATION OF EXISTING FENCE
- PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
- PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
- LIMIT OF SEEDING
- SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
- POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
- SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
- EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
- EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
- PROPOSED CULVERT (SIZING PER DETAILS)
- DRAIN LINE (TRCA)
- PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

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t. 905-882-1100  
www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS

STAMP

STAMP

DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
SCALE	1:500	DATE	NOVEMBER 2020	DWG. NUMBER	L-417
PROJECT NUMBER	19M-01556-00				






















KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL	HEIGHT	SPACE	COND.
CONIFEROUS TREES							
Pg	4	Picea glauca	White Spruce	-	2500	7m O.C.	WB
Ps	10	Pinus strobus	Eastern White Pine	-	2500	7m O.C.	WB
SHRUBS							
Rb	35	Rosa blanda	Meadow Rose	-	-	2m O.C.	2 GAL

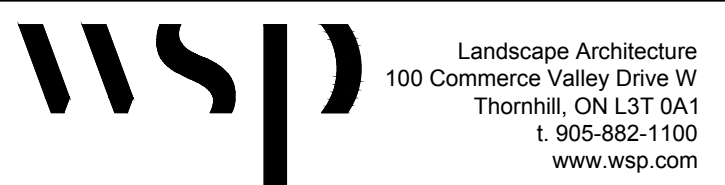
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LG-417

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# LEGEND

	PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
	PROPOSED 2.4m WIDE TRAIL
	PROPOSED SECTION OF BOARDWALK
	PROPOSED SECTION OF RAISED TRAIL
	PROPOSED SECTION OF EXTRA RAISED TRAIL BED
	EXISTING TRAIL
	APPROXIMATE LOCATION OF EXISTING FENCE
	PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
	PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
	LIMIT OF SEEDING
	SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
	POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
	SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
	EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
	EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
	IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
	PROPOSED CULVERT (SIZING PER DETAILS)
	DRAIN LINE (TRCA)
	PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPR	



CLIENT:

PARKS CANADA

PROJECT TITLE: \_\_\_\_\_

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS: \_\_\_\_\_

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SWITCHBACK LANDSCAPE PLAN

STAMP	STAMP
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STAMP	STAMP
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DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
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SCALE	1:100	DATE	NOVEMBER 2020
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PROJECT NUMBER		DWG. NUMBER	
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19M-01556-00	LG-417
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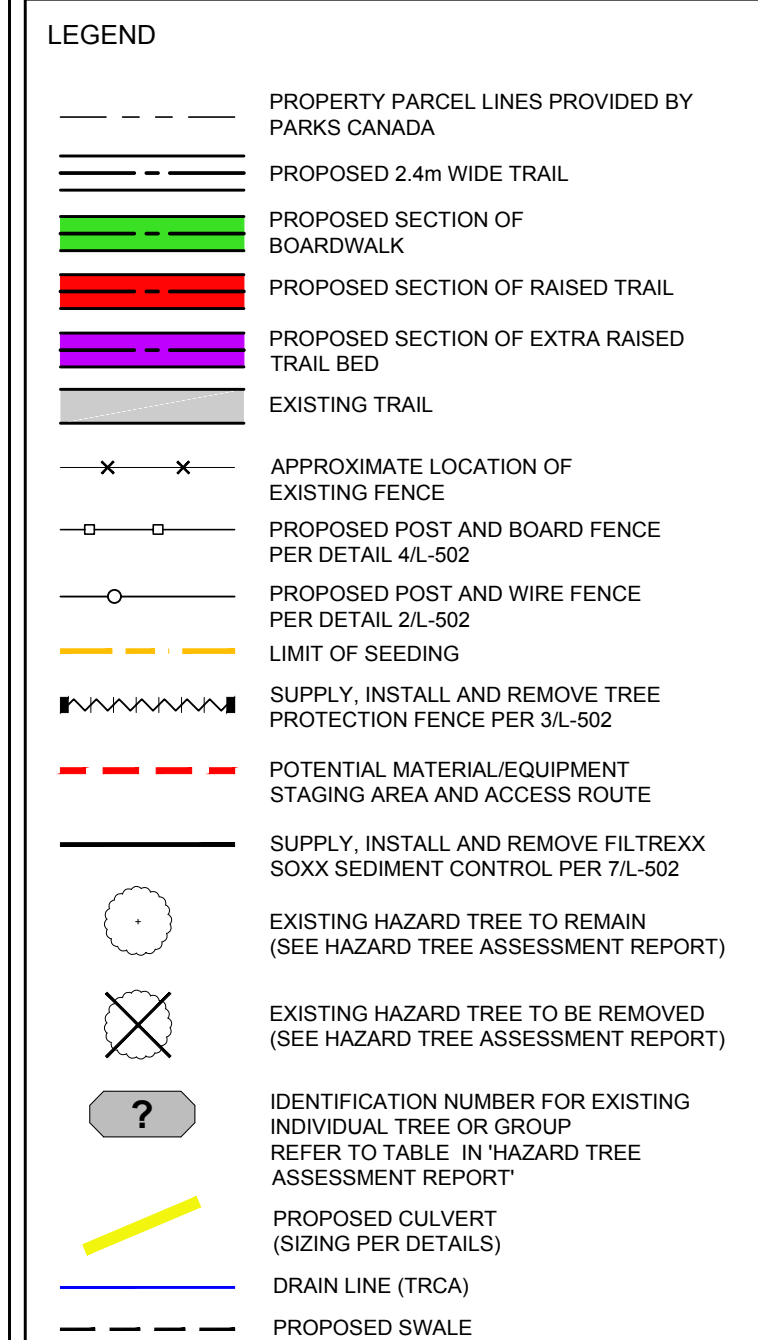
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## SWITCHBACK ENLARGEMENT PLAN

SCALE 1:100



MATCH LINE - SEE L-419



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t. 905-882-1100  
[www.wsp.com](http://www.wsp.com)

PARKS CANADA

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

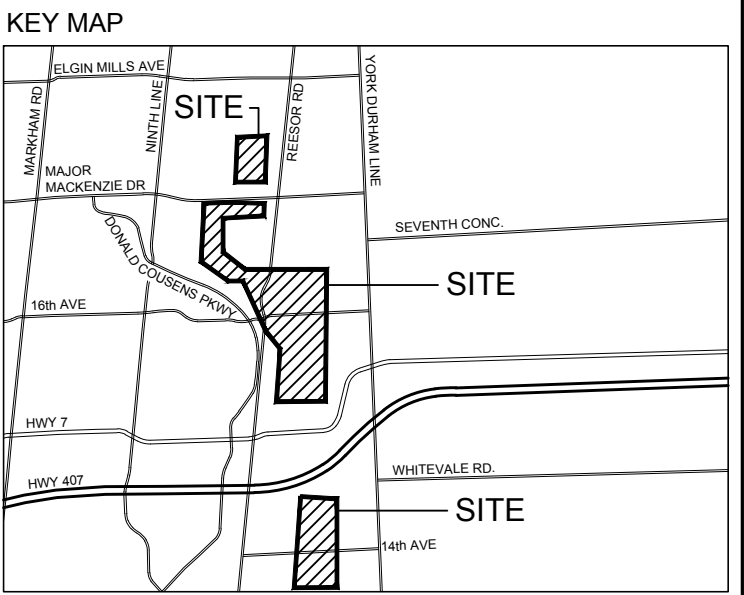
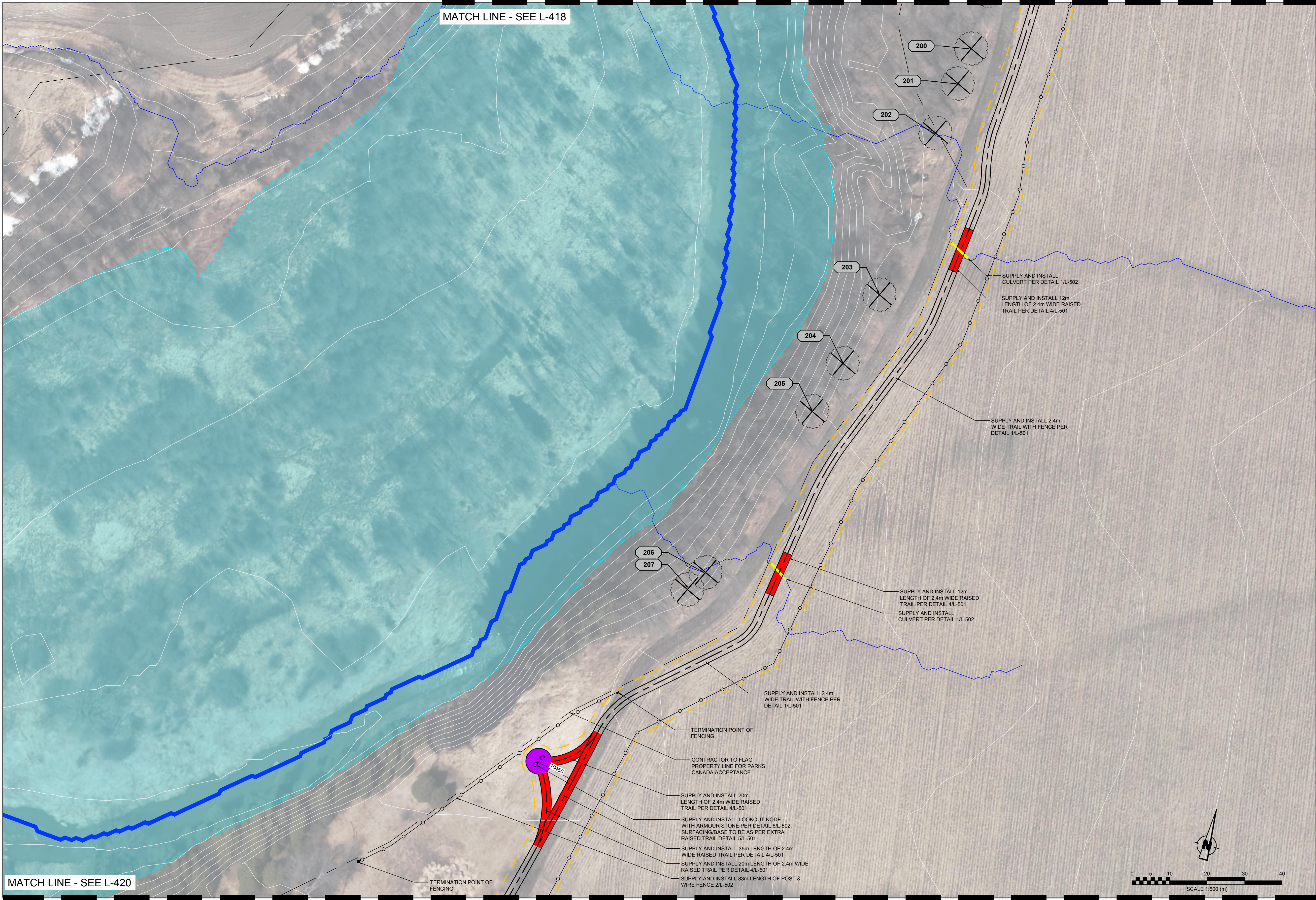
ROUGE NATIONAL URBAN PARK

LANDSCAPE PLANS

DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
SCALE 1:500			DATE NOVEMBER 2020		
PROJECT NUMBER			DWG. NUMBER		
19M-01556-00			L-418		

Scale: 1:500





- LEGEND**
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
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  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPD	

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Thornhill, ON L3T 0A1  
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www.wsp.com

CLIENT: **PARKS CANADA**

PROJECT TITLE: **ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3**

SITE ADDRESS: **ROUGE NATIONAL URBAN PARK**

DRAWING TITLE: **LANDSCAPE PLANS**

STAMP

DESIGNED CB/IG DRAWN CB CHECKED CB

SCALE 1:500 DATE **NOVEMBER 2020**

PROJECT NUMBER **19M-01556-00** DWG. NUMBER **L-419**

MATCH LINE - SEE L-420

1  
L-419

Scale: 1:500





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PARKS CANADA

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

ROUGE NATIONAL URBAN PARK

LANDSCAPE PLANS

STAMP

Scale: 1:500



MATCH LINE - SEE L-420

MATCH LINE - SEE L-422

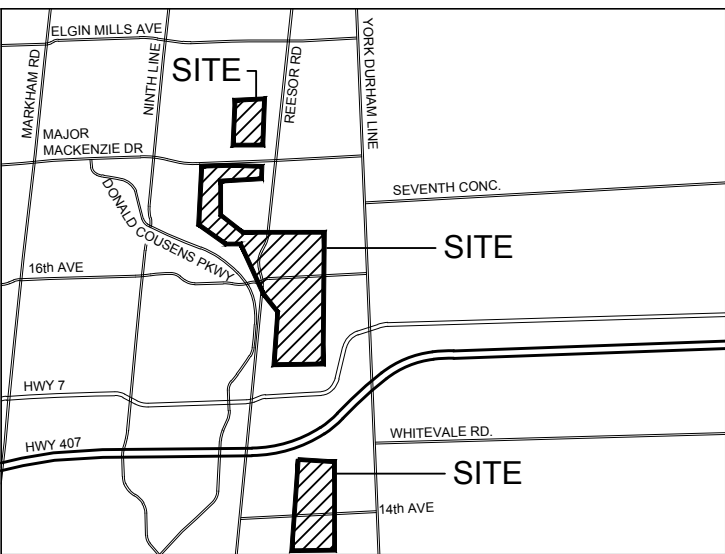
SUPPLY AND INSTALL 42m LENGTH OF 2.4m WIDE RAISED TRAIL PER DETAIL 4/L-501  
SUPPLY AND INSTALL CULVERT PER DETAIL 1/L-502

SUPPLY AND INSTALL REST NODE WITH ARMOUR STONE PER DETAIL 9/L-502  
SUPPLY AND INSTALL 2.4m WIDE TRAIL WITH FENCE PER DETAIL 1/L-501

SUPPLY AND INSTALL 47m LENGTH OF 2.4m WIDE RAISED TRAIL PER DETAIL 4/L-501. TRAIL BASE DEPTH TO BE ADJUSTED AS REQUIRED TO ACHIEVE A MAXIMUM SLOPE OF 5%. MAXIMUM HEIGHT OF TRAIL TO BE 600mm ABOVE GRADE.  
SUPPLY AND INSTALL 2.4m WIDE TRAIL WITH FENCE PER DETAIL 1/L-501

SUPPLY AND INSTALL 2.4m WIDE TRAIL WITH FENCE PER DETAIL 1/L-501

KEY MAP



LEGEND

- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
- PROPOSED 2.4m WIDE TRAIL
- PROPOSED SECTION OF BOARDWALK
- PROPOSED SECTION OF RAISED TRAIL
- PROPOSED SECTION OF EXTRA RAISED TRAIL BED
- EXISTING TRAIL
- APPROXIMATE LOCATION OF EXISTING FENCE
- PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
- PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
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- POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
- SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
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- PROPOSED CULVERT (SIZING PER DETAILS)
- DRAIN LINE (TRCA)
- PROPOSED SWALE

NO	DATE	REVISION/ISSUED	BY	APPD
4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN

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100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
T: 905-882-1100  
www.wsp.com

CLIENT: PARKS CANADA

PROJECT TITLE: ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS: ROUGE NATIONAL URBAN PARK

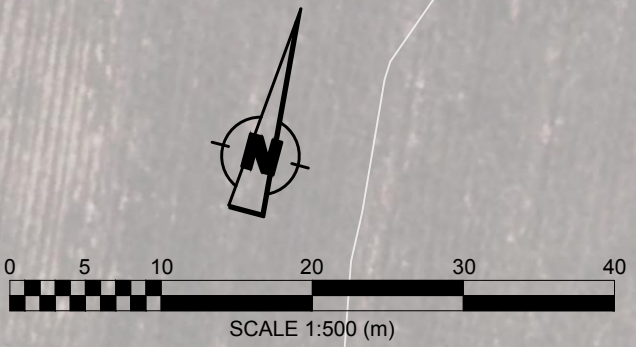
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DESIGNED CB/IG DRAWN CB CHECKED CB

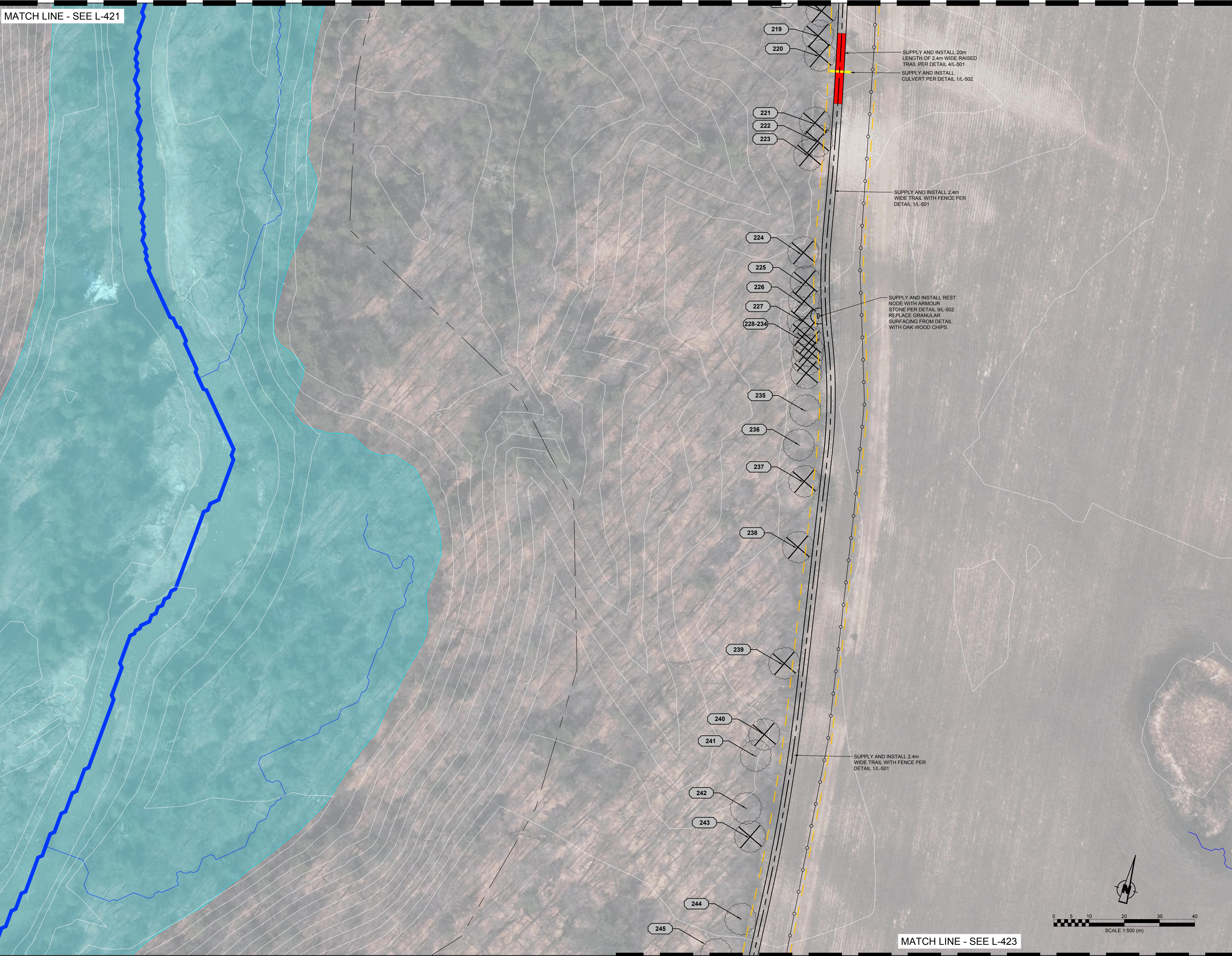
SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00 DWG. NUMBER L-421

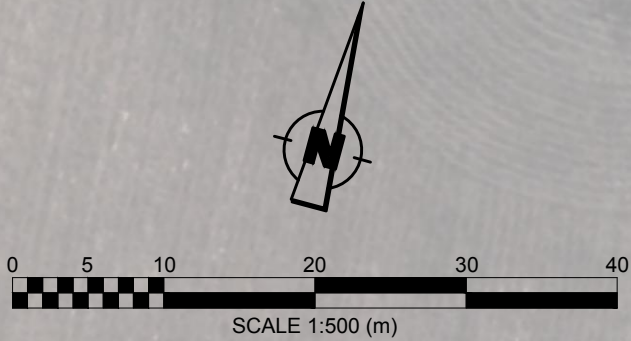




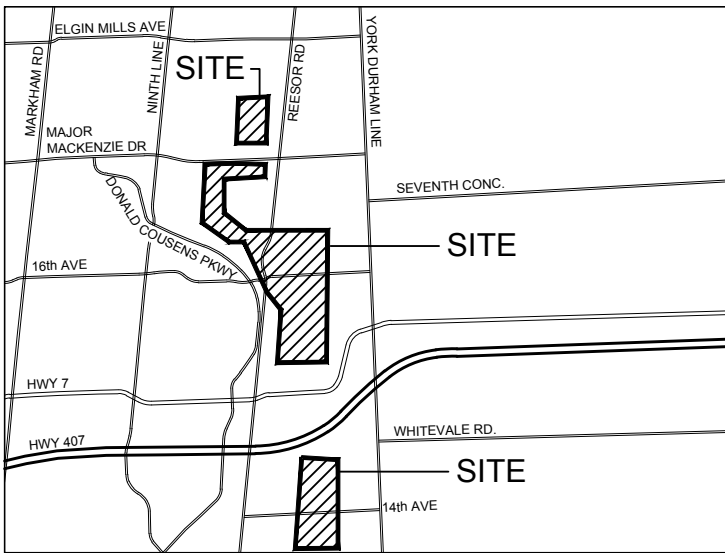
MATCH LINE - SEE L-421



MATCH LINE - SEE L-423



KEY MAP



LEGEND

- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
- PROPOSED 2.4m WIDE TRAIL
- PROPOSED SECTION OF BOARDWALK
- PROPOSED SECTION OF RAISED TRAIL
- PROPOSED SECTION OF EXTRA RAISED TRAIL BED
- EXISTING TRAIL
- APPROXIMATE LOCATION OF EXISTING FENCE
- PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
- PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
- LIMIT OF SEEDING
- SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
- POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
- SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
- EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
- EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
- PROPOSED CULVERT (SIZING PER DETAILS)
- DRAIN LINE (TRCA)
- PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

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100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT: **PARKS CANADA**

PROJECT TITLE: **ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3**

SITE ADDRESS: **ROUGE NATIONAL URBAN PARK**

DRAWING TITLE: **LANDSCAPE PLANS**

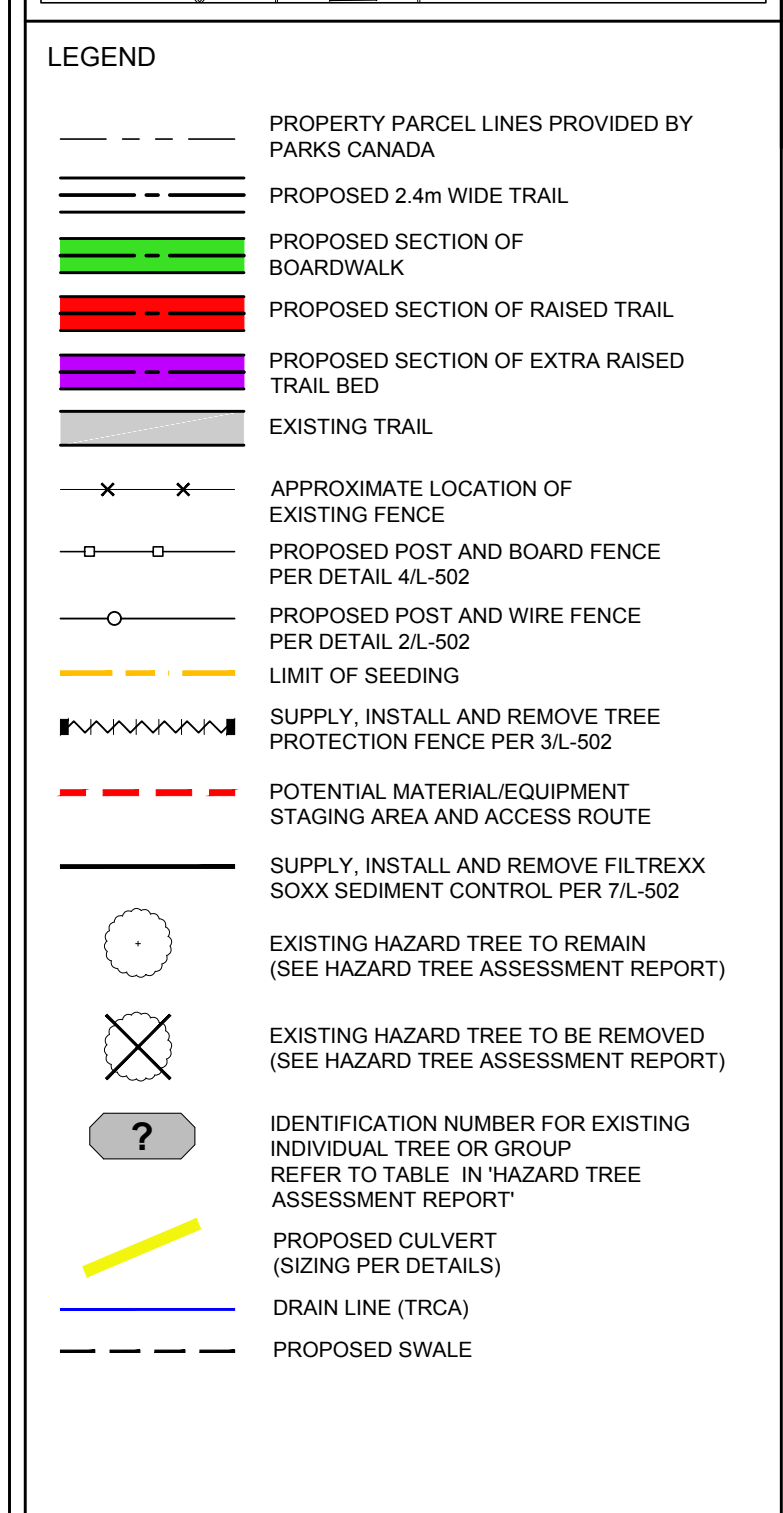
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DESIGNED CB/IG DRAWN CB CHECKED CB

SCALE 1:500 DATE **NOVEMBER 2020**

PROJECT NUMBER **19M-01556-00** DWG. NUMBER **L-422**



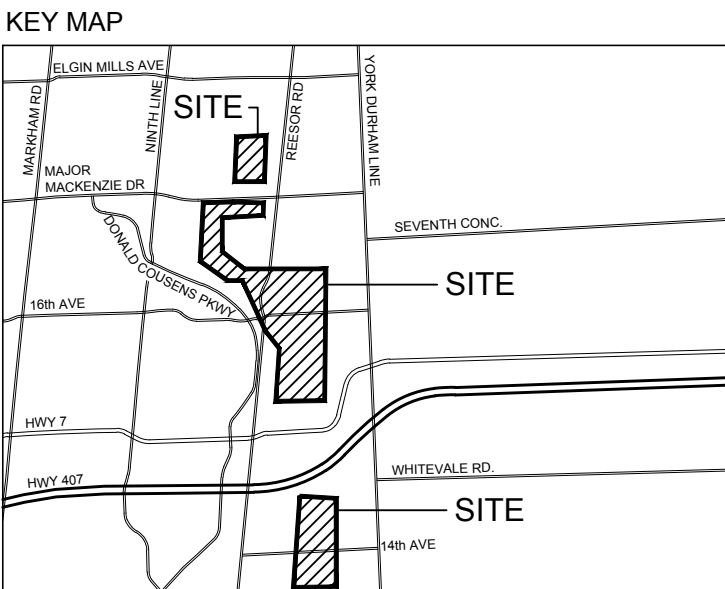
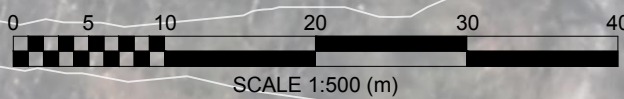


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[www.wsp.com](http://www.wsp.com)

CLIENT:			
PARKS CANADA			
PROJECT TITLE:			
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3			
SITE ADDRESS:			
ROUGE NATIONAL URBAN PARK			
DRAWING TITLE:			
LANDSCAPE PLANS			
STAMP		STAMP	
DESIGNED CB/G		DRAWN CB	CHECKED CB
SCALE 1:500		DATE	NOVEMBER 2020
PROJECT NUMBER		DWG. NUMBER	
19M-01556-00		L-423	



MATCH LINE - SEE L-423



- LEGEND
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
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  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB	
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN	
NO	DATE	REVISION/ISSUED	BY	APPD	

**wsp** Landscape Architecture  
100 Commerce Valley Drive W  
Thornhill, ON L3T 0A1  
t. 905-882-1100  
www.wsp.com

CLIENT: PARKS CANADA

PROJECT TITLE: ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS: ROUGE NATIONAL URBAN PARK

DRAWING TITLE: LANDSCAPE PLANS

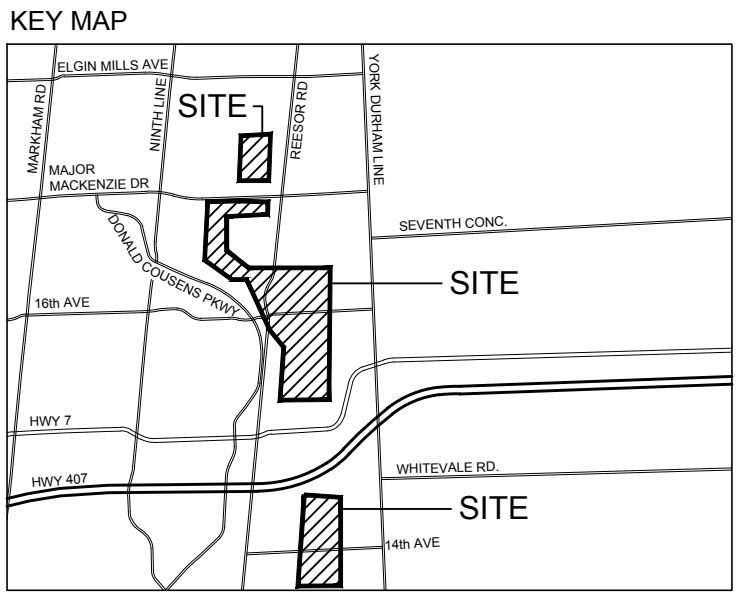
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DESIGNED CB/IG DRAWN CB CHECKED CB

SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00 DWG. NUMBER L-424





- LEGEND**
- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
  - PROPOSED 2.4m WIDE TRAIL
  - PROPOSED SECTION OF BOARDWALK
  - PROPOSED SECTION OF RAISED TRAIL
  - PROPOSED SECTION OF EXTRA RAISED TRAIL BED
  - EXISTING TRAIL
  - APPROXIMATE LOCATION OF EXISTING FENCE
  - PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
  - PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
  - LIMIT OF SEEDING
  - SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
  - POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
  - SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
  - EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
  - EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
  - IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
  - PROPOSED CULVERT (SIZING PER DETAILS)
  - DRAIN LINE (TRCA)
  - PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

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CLIENT: **PARKS CANADA**

PROJECT TITLE: **ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3**

SITE ADDRESS: **ROUGE NATIONAL URBAN PARK**

DRAWING TITLE: **LANDSCAPE PLANS**

STAMP

DESIGNED CB/IG DRAWN CB CHECKED CB  
SCALE 1:500 DATE **NOVEMBER 2020**  
PROJECT NUMBER **19M-01556-00** DWG. NUMBER **L-425**



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MATCH LINE - SEE L-425

SUPPLY AND INSTALL  
2.4m WIDE TRAIL PER  
DETAIL 1/L-501

SUPPLY AND INSTALL REST  
NODE WITH ARMOUR  
STONE PER DETAIL 9/L-502

SUPPLY AND INSTALL  
2.4m WIDE TRAIL PER  
DETAIL 1/L-501  
TERMINATION  
POINT OF FENCING

SUPPLY AND INSTALL 2.4m  
WIDE TRAIL WITH FENCE PER  
DETAIL 1/L-501

MATCH LINE - SEE 2/L-426

Scale: 1:500

MATCH LINE - SEE 1/L-426

SUPPLY AND INSTALL 2.4m  
WIDE TRAIL WITH FENCE PER  
DETAIL 1/L-501

TERMINATION  
POINT OF FENCING

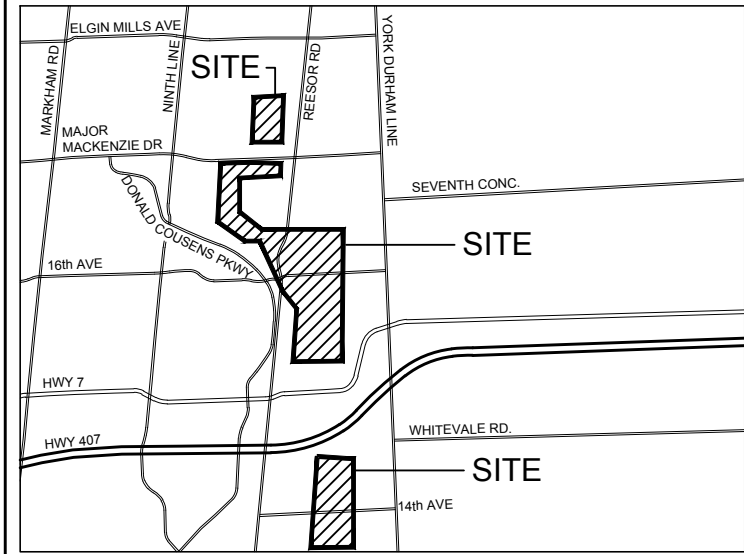
SUPPLY AND INSTALL ADDITIONAL  
250m LENGTH OF POST AND WIRE  
FENCE ON OPPOSITE SIDE OF TRAIL  
PER DETAIL 2/L-502. FENCE TO BE  
OFFSET FROM TRAIL EDGE BY 3m.

SUPPLY AND INSTALL 2.4m  
WIDE TRAIL WITH FENCE PER  
DETAIL 1/L-501

MATCH LINE - SEE L-427

Scale: 1:500

KEY MAP



LEGEND

- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
- PROPOSED 2.4m WIDE TRAIL
- PROPOSED SECTION OF BOARDWALK
- PROPOSED SECTION OF RAISED TRAIL
- PROPOSED SECTION OF EXTRA RAISED TRAIL BED
- EXISTING TRAIL
- APPROXIMATE LOCATION OF EXISTING FENCE
- PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
- PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
- LIMIT OF SEEDING
- SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
- POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
- SUPPLY, INSTALL AND REMOVE FILTREXX SOXX SEDIMENT CONTROL PER 7/L-502
- EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
- EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT'
- PROPOSED CULVERT (SIZING PER DETAILS)
- DRAIN LINE (TRCA)
- PROPOSED SWALE

4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
2	04/29/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN
NO	DATE	REVISION/ISSUED	BY	APPD

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100 Commerce Valley Drive W  
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t. 905-882-1100  
www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS

STAMP

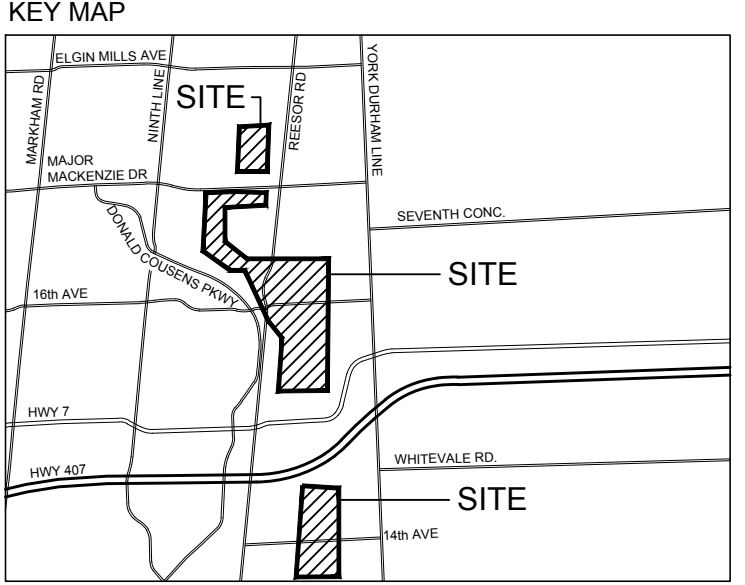
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SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER DWG. NUMBER


19M-01556-00 L-426





LEGEND	
	PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
	PROPOSED 2.4m WIDE TRAIL
	PROPOSED SECTION OF BOARDWALK
	PROPOSED SECTION OF RAISED TRAIL
	PROPOSED SECTION OF EXTRA RAISED TRAIL BED
	EXISTING TRAIL
	APPROXIMATE LOCATION OF EXISTING FENCE
	PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502
	PROPOSED POST AND WIRE FENCE PER DETAIL 2/L-502
	LIMIT OF SEEDING
	SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3/L-502
	POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE
	SUPPLY, INSTALL AND REMOVE FILTER SOCK SEDIMENT CONTROL PER 7/L-502
	EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)
	EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)
	IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP (REFER TO TABLE IN HAZARD TREE ASSESSMENT REPORT)
	PROPOSED CULVERT (SIZING PER DETAILS)
	DRAIN LINE (TRCA)
	PROPOSED SWALE

NO	DATE	REVISION/ISSUED	BY	APPD
4	11/17/2020	ISSUED FOR TENDER	CB	CB
3	11/06/2020	ISSUED FOR 90% REVIEW	CB	CB
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1	03/05/2020	ISSUED FOR CLIENT REVIEW	CB	LSN



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www.wsp.com

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS

STAMP

DESIGNED CB/IGDRAWN CBCHECKED CB

SCALE 1:500DATE NOVEMBER 2020

PROJECT NUMBER 19M-01556-00DWG. NUMBER L-427

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MATCH LINE - SEE L-427

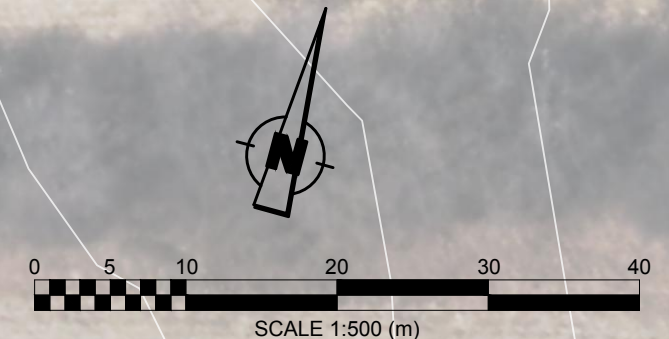
MATCH LINE - SEE L-429

SUPPLY AND INSTALL 2.4m  
WIDE TRAIL WITH FENCE PER  
DETAIL 1/L-501

SUPPLY AND INSTALL 2.4m  
WIDE TRAIL WITH FENCE PER  
DETAIL 1/L-501

SUPPLY AND INSTALL 2.4m WIDE TRAIL WITH  
FENCE PER DETAIL 1/L-501

SUPPLY AND INSTALL 143m LENGTH OF 2.4m WIDE  
RAISED TRAIL PER DETAIL 4/L-501. TRAIL BASE DEPTH  
TO BE ADJUSTED AS REQUIRED TO ACHIEVE A  
MAXIMUM SLOPE OF 5%. MAXIMUM HEIGHT OF TRAIL  
TO BE 600mm ABOVE GRADE.



KEY MAP

LEGEND

- PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA
- PROPOSED 2.4m WIDE TRAIL
- PROPOSED SECTION OF BOARDWALK
- PROPOSED SECTION OF RAISED TRAIL
- PROPOSED SECTION OF EXTRA RAISED TRAIL BED
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CLIENT:

**PARKS CANADA**

PROJECT TITLE:

**ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3**

SITE ADDRESS:

**ROUGE NATIONAL URBAN PARK**

DRAWING TITLE:

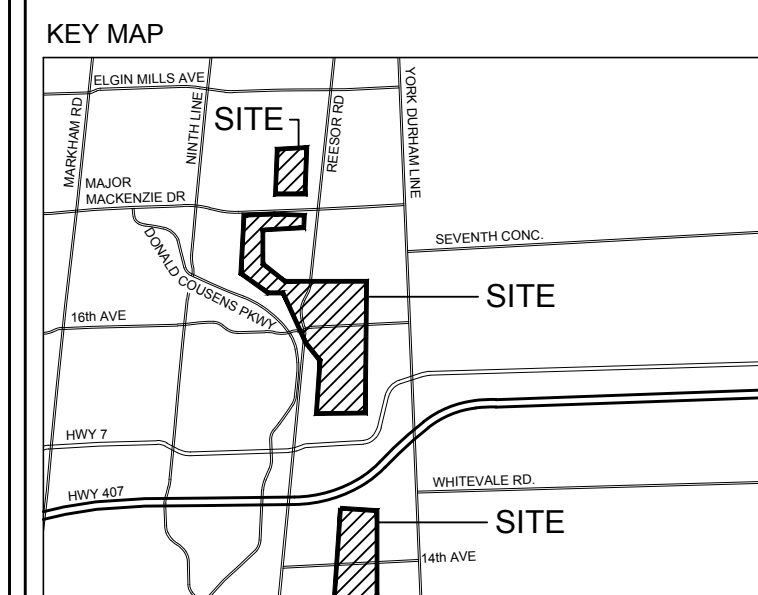
**LANDSCAPE PLANS**

STAMP		STAMP	
DESIGNED	CB/IG	DRAWN	CB
SCALE	1:500	DATE	NOVEMBER 2020
PROJECT NUMBER		DWG. NUMBER	
19M-01556-00		L-428	


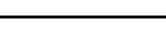




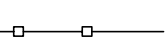
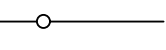






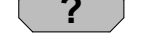








Scale: 1:500



LEGEND

- |  |   |
|--|---|
|   | PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA  |
|   | PROPOSED 2.4m WIDE TRAIL  |
|   | PROPOSED SECTION OF BOARDWALK   |
|   | PROPOSED SECTION OF RAISED TRAIL  |
|   | PROPOSED SECTION OF EXTRA RAISED TRAIL BED  |
|   | EXISTING TRAIL  |
|   | APPROXIMATE LOCATION OF EXISTING FENCE  |
|   | PROPOSED POST AND BOARD FENCE PER DETAIL 4L-502   |
|   | PROPOSED POST AND WIRE FENCE PER DETAIL 2L-502  |
|   | LIMIT OF SEEDING  |
|   | SUPPLY, INSTALL AND REMOVE TREE PROTECTION FENCE PER 3L-502   |
|   | POTENTIAL MATERIAL/EQUIPMENT STAGING AREA AND ACCESS ROUTE  |
|   | SUPPLY, INSTALL AND REMOVE FILTERTEX SOXX SEDIMENT CONTROL PER 7L-502   |
|   | EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)  |
|   | EXISTING HAZARD TREE TO BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)  |
|   | IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP<br>REFER TO TABLE "HAZARD TREE ASSESSMENT REPORT" |
|   | PROPOSED CULVERT (SIZING PER DETAILS)   |
|   | DRAIN LINE (TRCA)   |
|  | PROPOSED SWALE  |

4	11/17/2020	ISSUED FOR TENDER	CB	CB	
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NO	DATE	REVISION/ISSUED	BY	APP	

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CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK  
TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS

STAMP

	STAMP
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DESIGNED	CB/IG	DRAWN	CB	CHECKED	CB
SCALE 1:500			DATE	NOVEMBER 2020	
PROJECT NUMBER			DWG. NUMBER		
19M-01556-00			L-429		