

PARKS CANADA BOB TO BOYLES TRAIL PROJECT

SOLICITATION NO. 5P201-20-0106
WSP PROJECT No. 19M-01556-00
NOVEMBER 2020

ISSUED FOR TENDER

DRAWING INDEX

L-100 GENERAL NOTES

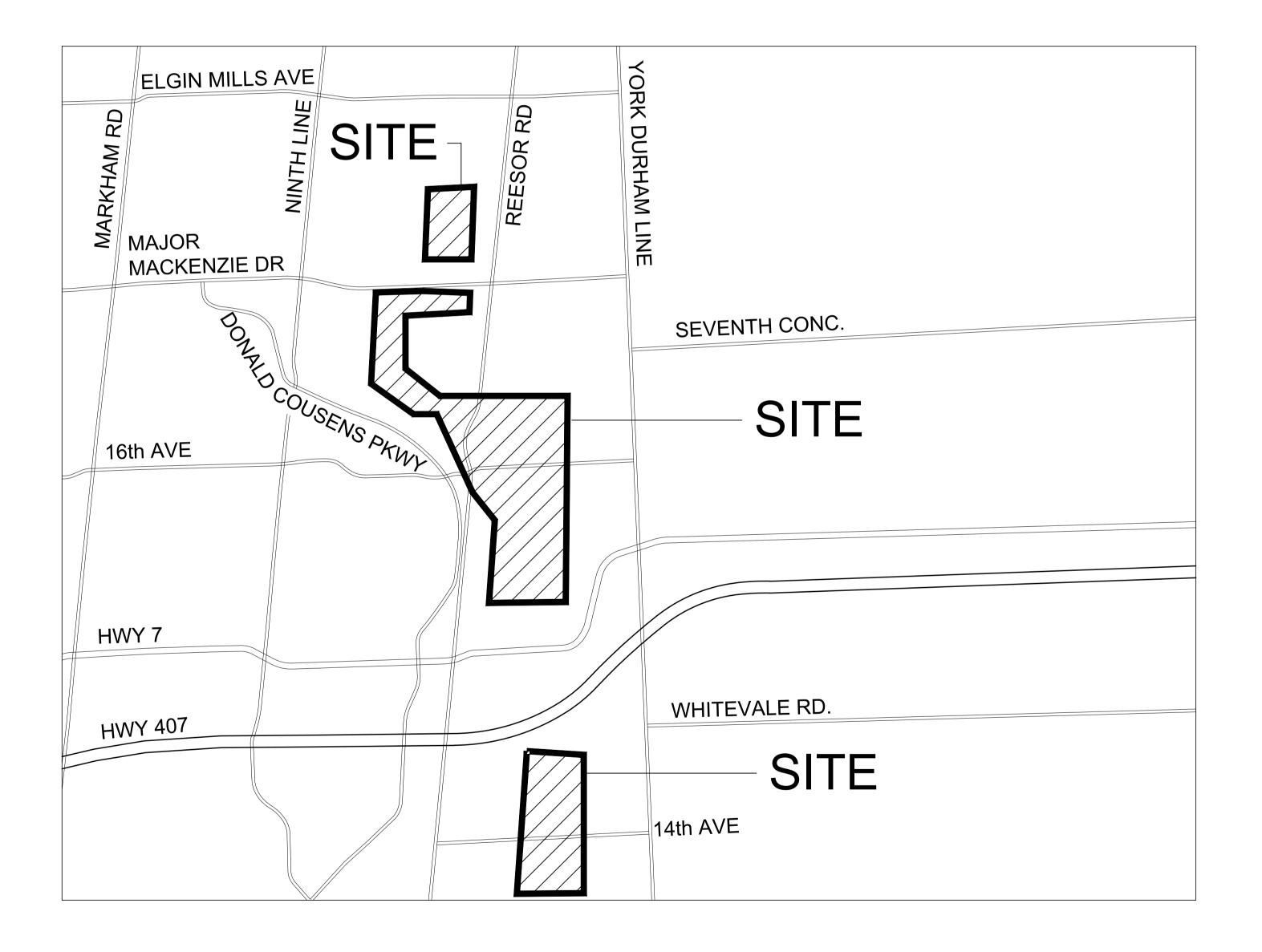
L-200 KEY MAP

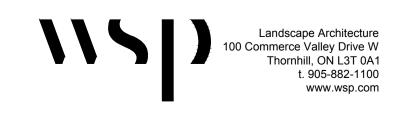
L-301-304 SEEDING PLANS L-401-429 LAYOUT PLANS

L-501-503 DETAILS

L-600-610 STRUCTURAL PLANS & DETAILS

SITE AND CONTEXT:





19M-01556-00 - RNUP Trails∖Drawings\RNUP Trails - Landscape Plans - 1 to 500 - Standard∖RNUP Trails - Landscape Plans - Issued for Add

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

• QUALIFIED REGISTERED LAND SURVEYOR (OLS), ACCEPTABLE TO PCA REPRESENTATIVE IS TO LOCATE, CONFIRM AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK. PRESERVE PERMANENT REFERENCE POINTS DURING CONSTRUCTION.

• 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

UNDERGROUND SERVICING AND UTILITIES. PERMITS:

- 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 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.

SEDIMENTATION CONTROL:

ENTERED INTO A CONTRACT WITH.

- 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. ALL ON-SITE STORAGE OF GRANULAR MATERIALS WILL BE ISOLATED AND SECURED WITH SNOW FENCING SURROUNDED BY 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 REFUELLED 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. THE PCA REPRESENTATIVE 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).

SITE PREPARATION NOTES:

- 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 WILL BE DISPOSED OF AT AN APPROVED AND APPROPRIATED 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 SAWN INTO LENGTHS BETWEEN 3m AND 5m AND BE SCATTERED IN THE AREA A MINIMUM 3m AND MAXIMUM 8m OUTSIDE 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 AREA A MINIMUM 3m AND MAXIMUM 8m OUTSIDE OF THE PROPOSED TRAILS
- 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

ARCHAEOLOGY NOTES:

 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.

GRADING NOTES:

- 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.
- TRANSITIONS BETWEEN STANDARD TRAILS, RAISED TRAILS AND EXTRA RAISED TRAILS ARE TO BE SMOOTH. GRANULAR BASE DEPTH TO BE ADJUSTED FOR RAISED/EXTRA RAISED TRAIL TRANSITIONS IN ORDER TO ACHIEVE 5%

SLOPE MAXIMUM. THE MAXIMUM HEIGHT OF TRAILS IS TO BE 600mm.

LAYOUT NOTES:

- 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.

WORKING AROUND WILDLIFE PROTOCOL

- TO COMPLY WITH FEDERAL SPECIES 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 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-PEWEES, EASTERN MEADOWLARKS, BANK SWALLOWS, GRASSHOPPER SPARROWS, LITTLE BROWN MYOTIS, NORTHERN MYOTIS, 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
- 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.

CLEAN EQUIPMENT PROTOCOL

- 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.
- THOROUGH 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. NOTE THAT THIS PROJECT 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 DRAWINGS, SOIL FROM ANY EXCAVATION WITHIN THIS ZONE SHALL NOT BE PLACED OUTSIDE THE ZONE (I.E. DO NOT SPREAD SEEDS, SEEDBANK, ROOTS OR STEMS). LIKEWISE, ANY BRUSH, 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.

TREE PRESERVATION NOTES AND GUIDELINES

- 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:
- REFER AND ADHERE TO THE HAZARD TREE REPORT FOR SPECIFIC RECOMMENDATIONS, PROTECTIVE AND MITIGATION
- 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
- 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 DRIPLINE 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 REMAIN 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.

MINIMUM TREE PROTECTION DISTANCE FROM TRUNK:

< 10cm	DBH	1.2m
10-29cm	DBH	1.8m
30-40cm	DBH	2.4m
41-50cm	DBH	3.0m
51-60cm	DBH	3.6m
61-70cm	DBH	4.2m
71-80cm	DBH	4.8m
81-90cm	DBH	5.4m
91-100cm	DBH	6.0m
> 100cm	DBH	6cm/1cm DIA.

(DIAMETER AT BREAST HEIGHT) DBH = TRUNK DIAMETER AT 1.4m HEIGHT

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.
- SOURCE SEED AS REQUIRED FROM ADJACENT FARM FIELD. ENURE FIELD IS LEFT IN A SUITABLE. STATE FOR FARM USE. BLEND EXCAVATED TOPSOIL WITH SURROUNDING GRADES.
- 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.

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

ALL SEED NATIVE SEED MIXES TO BE BY ST. WILLIAMS NURSERY AND ECOLOGY CENTRE OR

SEED SHALL NOT BE APPLIED UNTIL CONTAINER AND LABELING HAS BEEN REVIEWED AND APPROVED BY PCA REPRESENTATIVE

SEED MIXES:

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

COMMON NAME	SPECIES	PERCENT %
RIVERBANK RYE	ELYMUS RIPARIUS	30
VIRGINIA RYE	ELYNUS 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 MILKWEED	ASCLEPIAS SYRIACA	2
BLUE VERVAIN	VERBENA HASTATA	2
VIRGINIA MOUNTAIN MINT	PYCNANTHEMUM VIRGINIANUM	2
GREEN HEADED CONEFLOWER	RUDBECKIA LACINIATA	1
BLUEJOINT	CALAMAGROSTIS CANADENSIS	1

SEED AT RATE OF 25KG/HA.

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	ASCELPIAS INCARNATA	2
TALL SUNFLOWER	HELIANTHUS GIGANTEA	2
FRINGED SEDGE	CAREX CRINATA	2
SOFT RUSH	JUNCUS EFFUSES	2
VIRGINIA MOUNTAIN MINT	PYCNANTHEMUM VIRGINIANUM	2
GREEN HEADED CONEFLOWER	RUDBECKIA LACINIATA	1
SNEEZEWEED	HELENIUM AUTUMNALE	1
GREEN HEADED CONEFLOWER	RUDBECKIA LACINATA	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 VILLOSUS	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	PYCNANTHEMUM VIRGINIANUM	2
DWARF BLAZING STAR	LIATRIS CYLINDRACEA	2

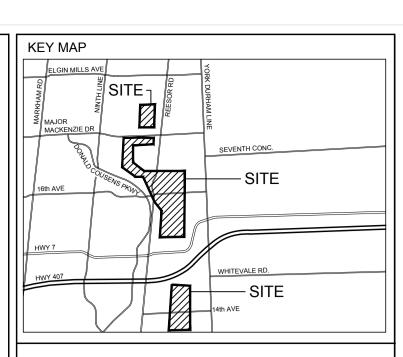
SEED AT RATE OF 25KG/HA

NURSE CROP: TO BE APPLIED TO ALL AREAS AT SAME TIME AS SEED MIXES 1, 2 & 3.

ANNUAL RYE. SEED AT RATE OF 30KG/HA

SEEDING SCHEDULE:

- 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 BY ST. WILLIAMS NURSERY TO UPLAND, LOWLAND, AND FORESTED AREAS RESPECTIVELY BETWEEN THE WINDOWS OF NOVEMBER 1-MARCH 30 AND JULY 1-AUGUST 30.



4 | 11/24/2020 | 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



CLIENT:

PARKS CANADA

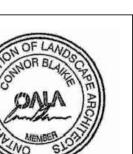
PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE: NOTES



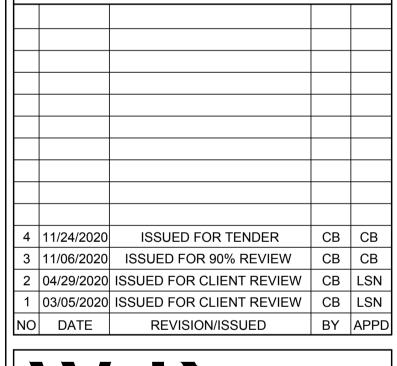
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DESIGNED CB/IG CHECKED CB DATE NOVEMBER 2020

PROJECT NUMBER

DWG. NUMBER 19M-01556-00





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

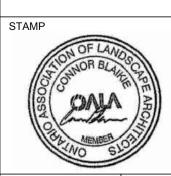
SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

Scale: 1:10000

KEY MAP



CHECKED CB

L-200

DESIGNED CB/IG DRAWN CB SCALE 1:10000 DATE NOVEMBER 2020
DWG. NUMBER PROJECT NUMBER

19M-01556-00

Scale: 1:10000

L-200

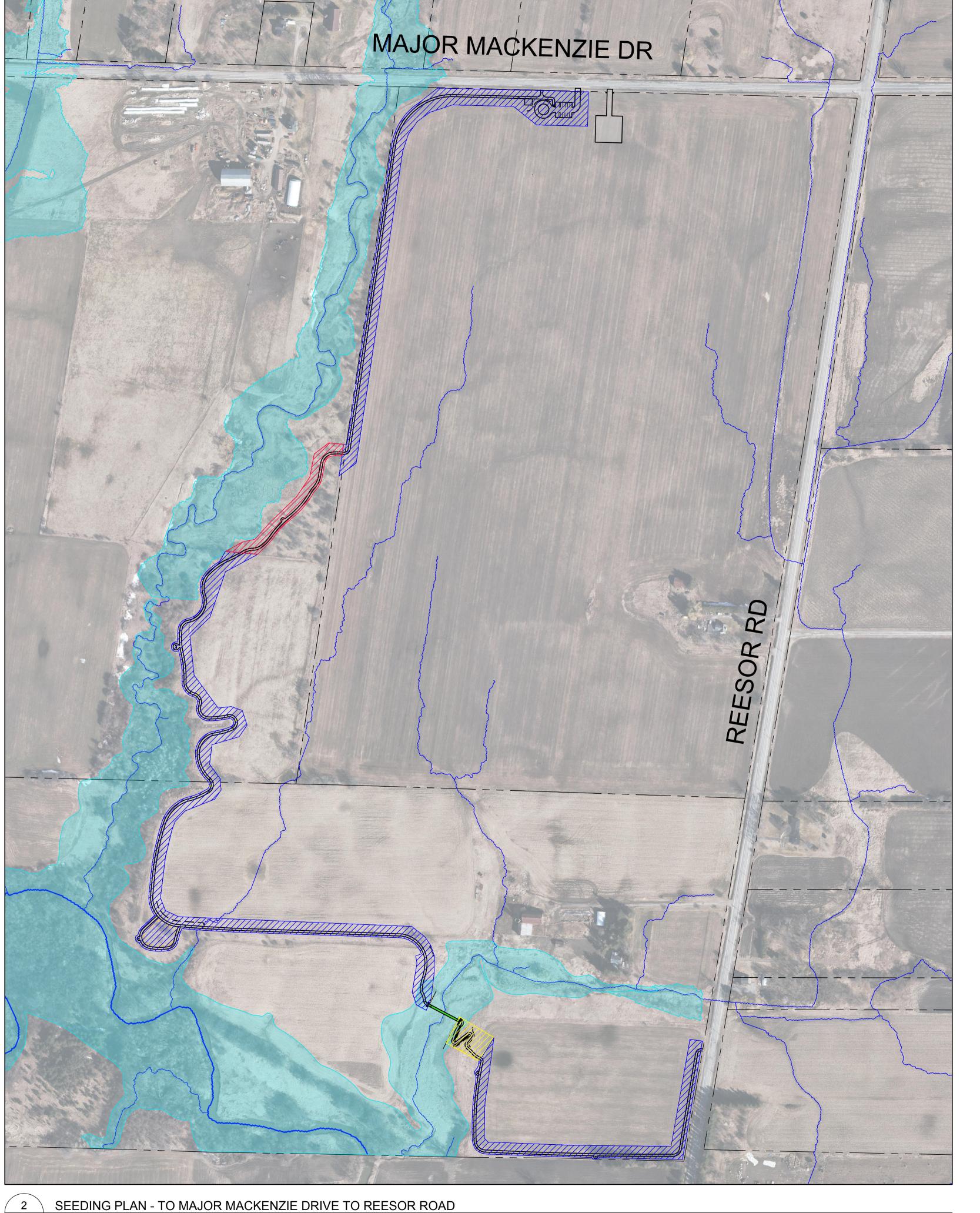
L-200/

SEEDING PLAN - CEMETERY TO MAJOR MACKENZIE DRIVE

L-301



L-301



SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

ISSUED FOR TENDER REVISION/ISSUED

Landscape Architecture 100 Commerce Valley Drive W Thornhill, ON L3T 0A1 t. 905-882-100

CLIENT:

PARKS CANADA

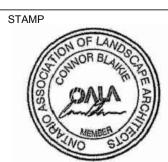
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN



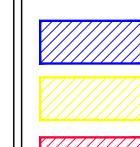
DESIGNED CB/IG

SCALE 1:2500 DATE NOVEMBER 2020
DWG. NUMBER

19M-01556-00

SEEDING PLAN - REESOR ROAD TO 16TH AVENUE

L-302

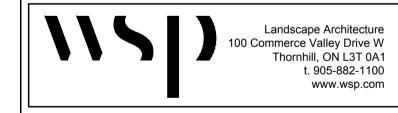


SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

4 | 11/24/2020 | ISSUED FOR TENDER 3 | 11/06/2020 | ISSUED FOR 90% REVIEW 2 04/29/2020 ISSUED FOR CLIENT REVIEW | CB | LSN 1 03/05/2020 ISSUED FOR CLIENT REVIEW CB LSN REVISION/ISSUED



CLIENT:

PARKS CANADA

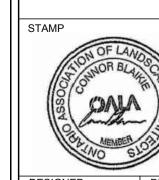
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN



L-302

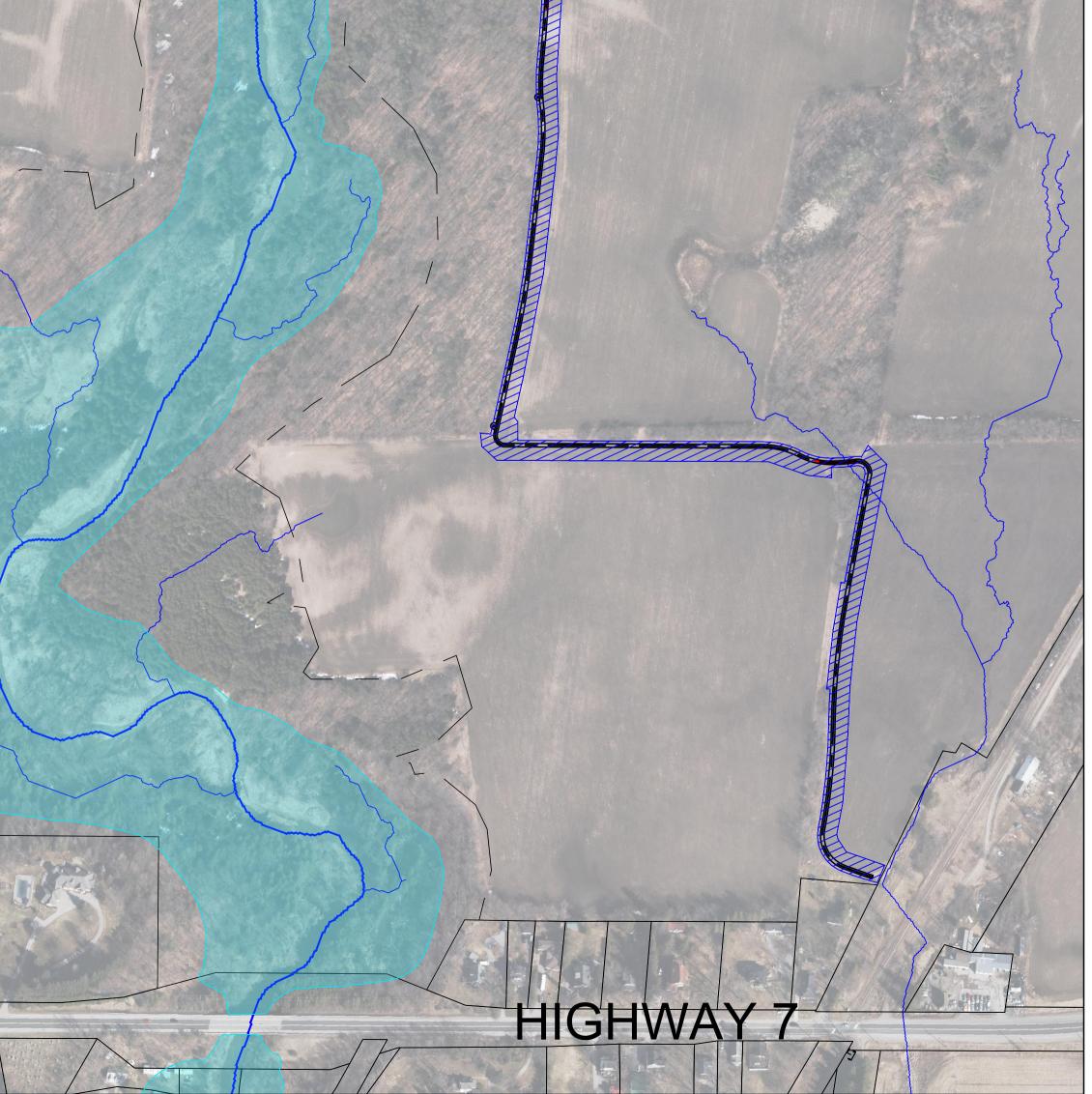
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DWG. NUMBER

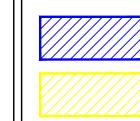
19M-01556-00

SEEDING PLAN - 16TH AVE TO HIGWAY 7

L-303

16TH AVENUE

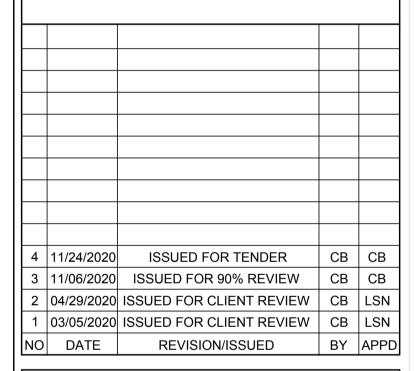




SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND EDGE MIX

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX





CLIENT:

PARKS CANADA

PROJECT TITLE:

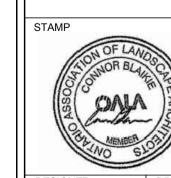
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SEEDING PLAN



L-303

DESIGNED CB/IG DRAWN CB SCALE 1:2500 DATE NOVEMBER 2020
DWG. NUMBER

PROJECT NUMBER

19M-01556-00

SEEDING PLAN - 16TH AVE TO HIGWAY 7

Scale: 1:2500

L-303

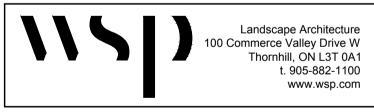


SEED MIX #1 - BOBOLINK & MEADOWLARK SEED MIX

SEED MIX #2 - STREAM CHANNEL AND WETLAND **EDGE MIX**

SEED MIX #3 - SEMI-SHADE FOREST EDGE MIX

4 | 11/24/2020 | ISSUED FOR TENDER 3 | 11/06/2020 | ISSUED FOR 90% REVIEW 2 04/29/2020 ISSUED FOR CLIENT REVIEW CB LSN 1 03/05/2020 ISSUED FOR CLIENT REVIEW CB LSN REVISION/ISSUED



CLIENT:

PARKS CANADA

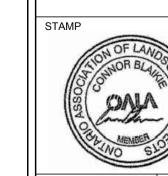
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

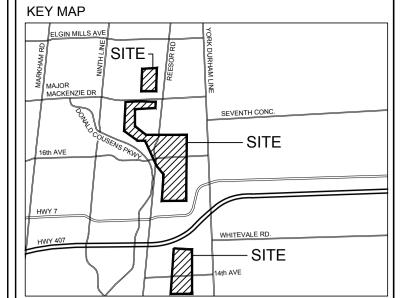
SEEDING PLAN



DESIGNED CB/IG DRAWN CB SCALE 1:2500

DATE NOVEMBER 2020
DWG. NUMBER L-304 19M-01556-00

\L-401



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** X X 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

> INDIVIDUAL TREE OR GROUP REFER TO TABLE IN 'HAZARD TREE ASSESSMENT REPORT' PROPOSED CULVERT

(SIZING PER DETAILS) DRAIN LINE (TRCA)

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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Landscape Architecture

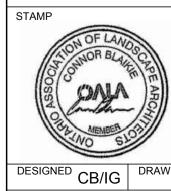
BY APPD

PARKS CANADA

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

ROUGE NATIONAL URBAN PARK

LANDSCAPE PLANS



CHECKED CB DATE NOVEMBER 2020

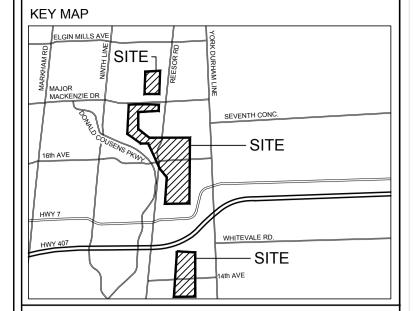
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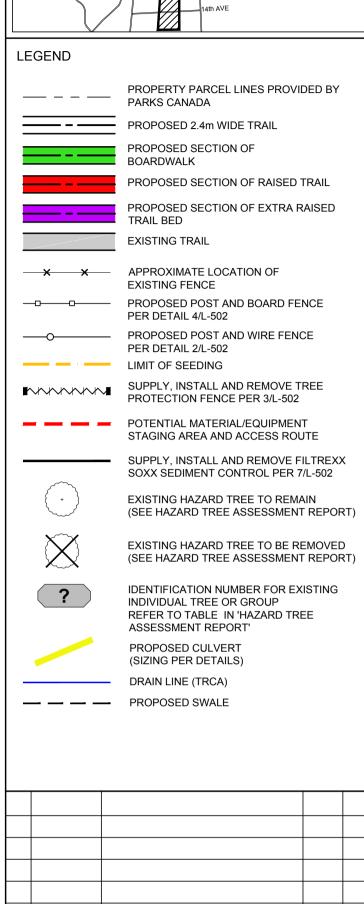
19M-01556-00

SCALE 1:500

Scale: 1:500

DWG. NUMBER L-401





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СВ СВ

BY APPD

PARKS CANADA

ISSUED FOR TENDER

REVISION/ISSUED

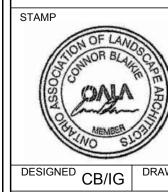
PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB DATE NOVEMBER 2020
DWG. NUMBER

SCALE 1:500

19M-01556-00

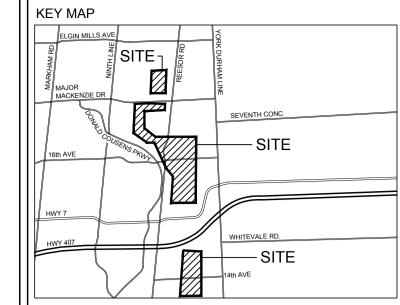
L-402

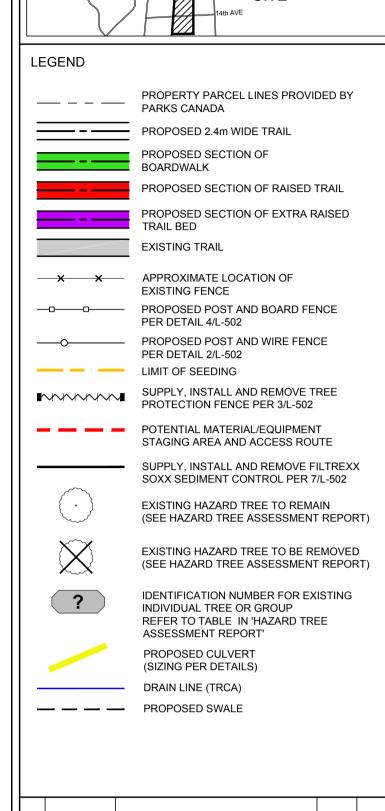
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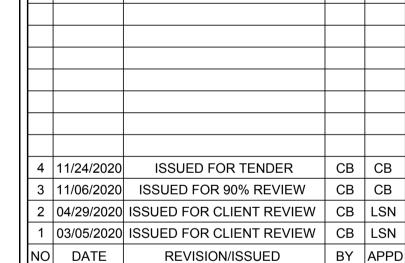
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L-402/

L-403/







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PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

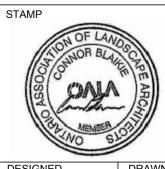
SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

Scale: 1:500

LANDSCAPE PLANS



L-403

CHECKED CB DESIGNED CB/IG DRAWN CB

SCALE 1:500 DATE NOVEMBER 2020
DWG. NUMBER PROJECT NUMBER

19M-01556-00

KEY MAP ELGIN MILLS AVE SITE — SITE

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 X X 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

ISSUED FOR TENDER 3 11/06/2020 ISSUED FOR 90% REVIEW 2 04/29/2020 ISSUED FOR CLIENT REVIEW | CB | LSN 1 | 03/05/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN REVISION/ISSUED BY APPD



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CLIENT:

PARKS CANADA

PROJECT TITLE:

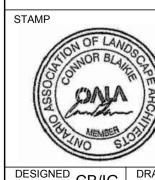
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB

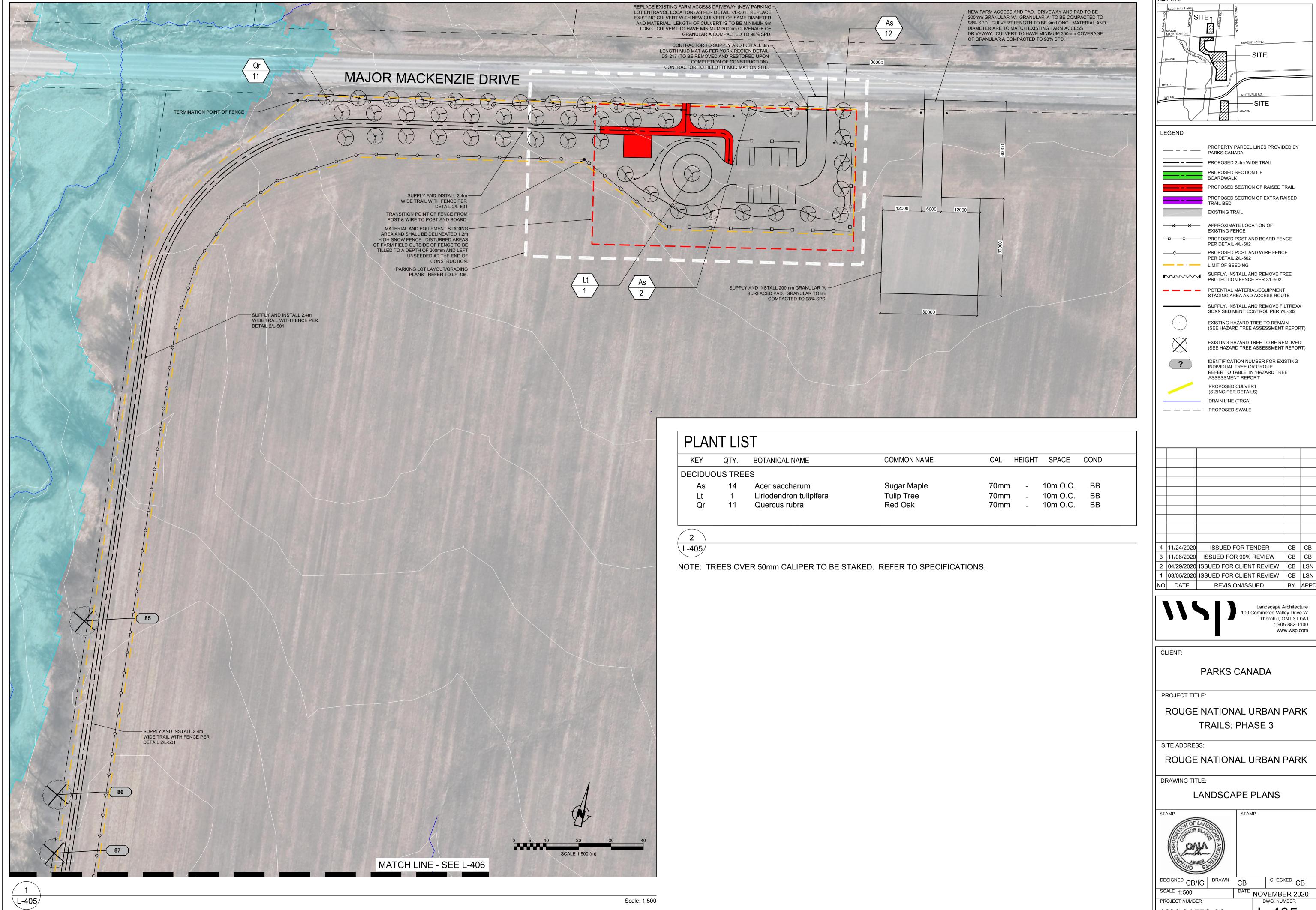
L-404

DESIGNED CB/IG DRAWN CB SCALE 1:500 DATE NOVEMBER 2020
DWG. NUMBER

PROJECT NUMBER

19M-01556-00

Scale: 1:500



KEY MAP

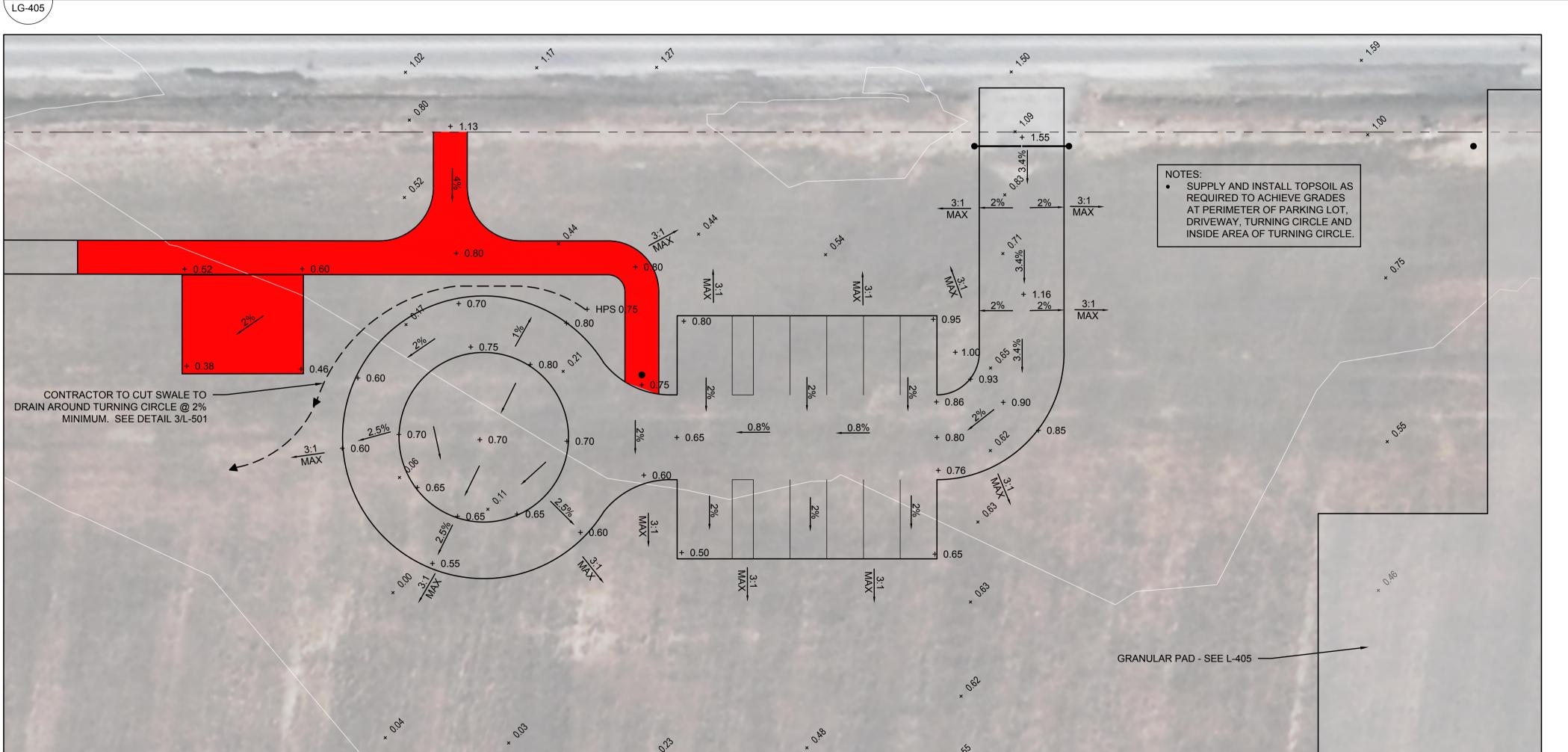
PROPERTY PARCEL LINES PROVIDED BY PROPOSED SECTION OF RAISED TRAIL PROPOSED SECTION OF EXTRA RAISED

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

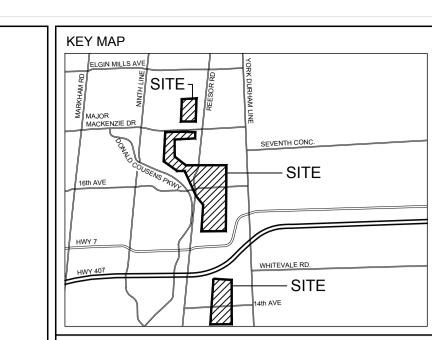
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CHECKED CB

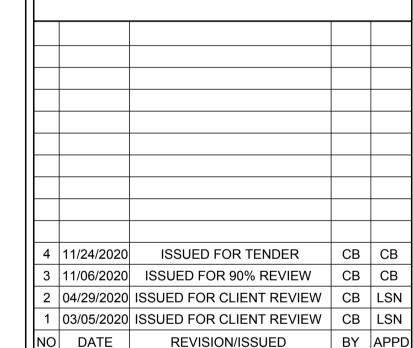
L-405 19M-01556-00



GRADING LEGEND **EXISTING ELEVATION** + 0.96 PROPOSED ELEVATION 1.5% PROPOSED DRAINAGE **DIRECTION & SLOPE**



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 **EXISTING TRAIL** X X 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





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CLIENT:

SCALE 1:200

PARKS CANADA

PROJECT TITLE:

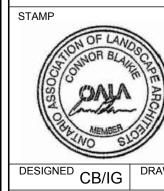
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

PARKING LOT ENLARGEMENTS LAYOUT & GRADING PLANS



CHECKED CB DATE NOVEMBER 2020
DWG. NUMBER

PROJECT NUMBER

19M-01556-00

SCALE 1:200

\LG-405

PARKING LOT ENLARGEMENT PLAN - GRADING PLAN

L-406/

KEY MAP

PROPOSED SECTION OF RAISED TRAIL PROPOSED SECTION OF EXTRA RAISED TRAIL BED

SUPPLY, INSTALL AND REMOVE FILTREXX

EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)

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 BY APPD

CHECKED CB DATE NOVEMBER 2020
DWG. NUMBER

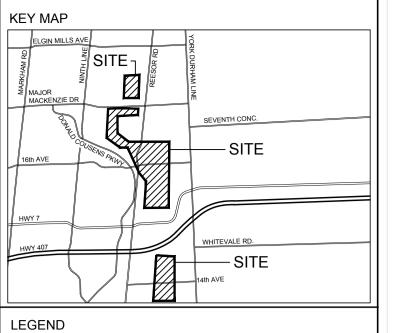
PROJECT NUMBER

SCALE 1:500

Scale: 1:500

19M-01556-00

L-407/



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 **EXISTING TRAIL** X X 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

> SOXX SEDIMENT CONTROL PER 7/L-502 EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT)

SUPPLY, INSTALL AND REMOVE FILTREXX

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 | 11/24/2020 | ISSUED FOR TENDER 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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BY APPD

CLIENT:

PARKS CANADA

REVISION/ISSUED

PROJECT TITLE:

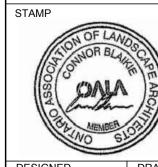
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



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

PROJECT NUMBER

DWG. NUMBER L-407 19M-01556-00

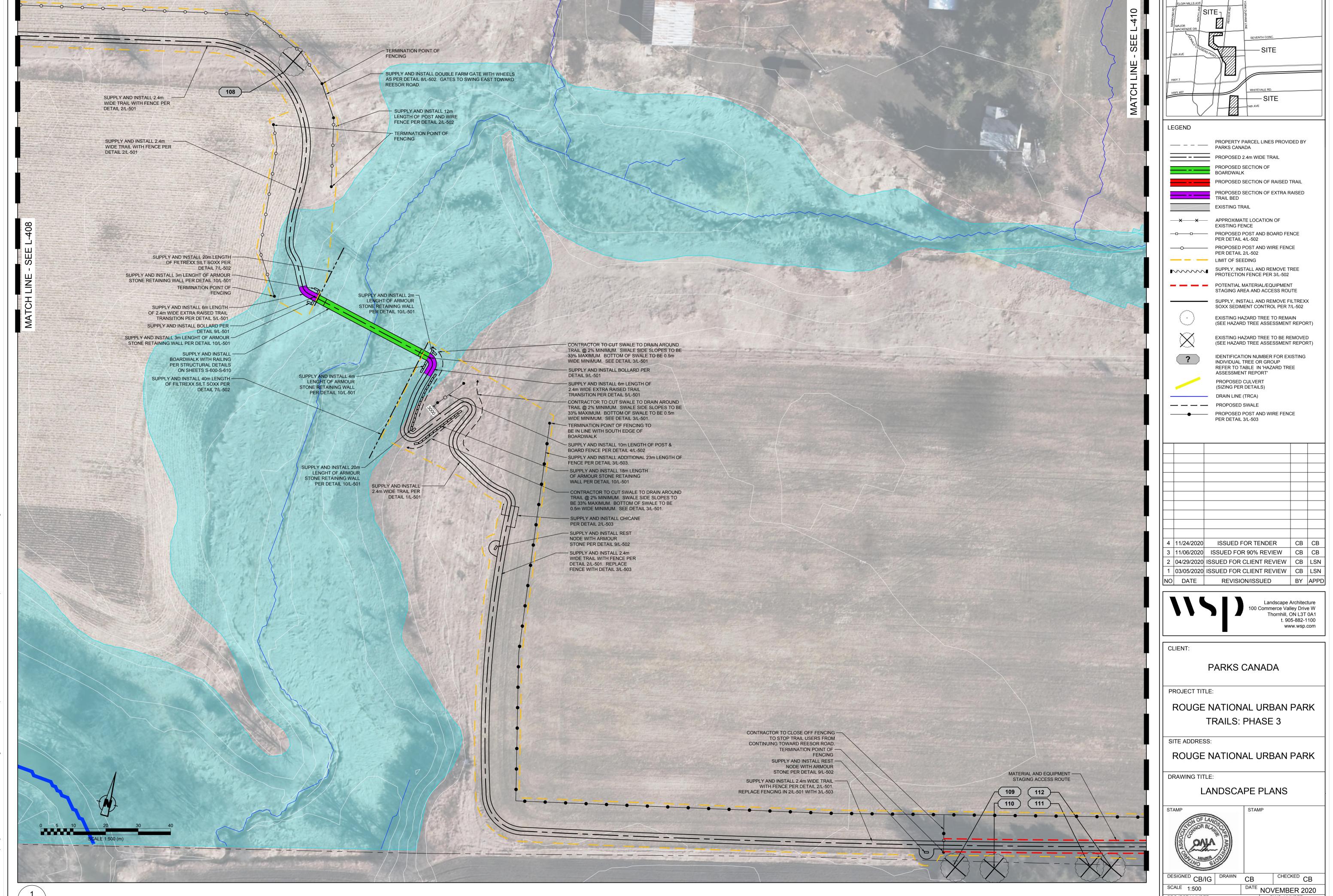
L-408/

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

PROJECT NUMBER 19M-01556-00

KEY MAP



L-409/

PROJECT NUMBER 19M-01556-00

Scale: 1:500

KEY MAP

DWG. NUMBER L-409

L-410/

Scale: 1:500

PROJECT NUMBER

19M-01556-00

DWG. NUMBER

L-411/

KEY MAP DATE NOVEMBER 2020
DWG. NUMBER PROJECT NUMBER

Scale: 1:500

19M-01556-00



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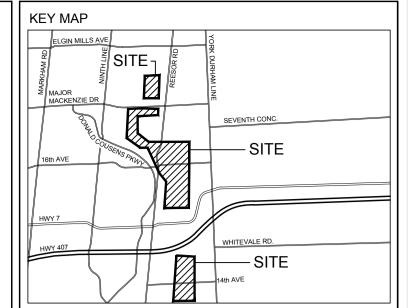
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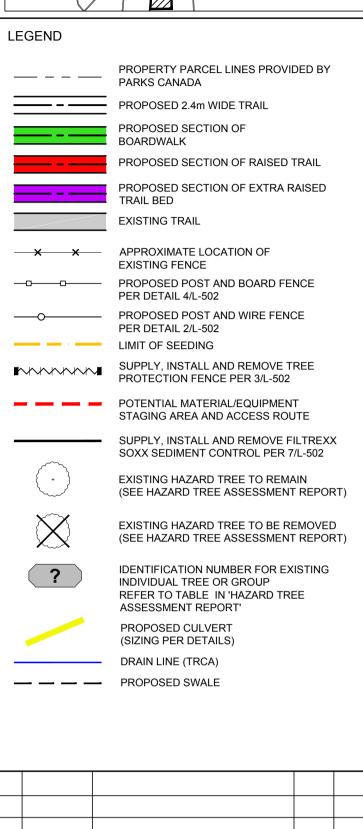
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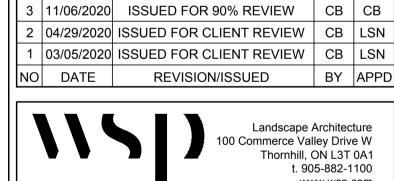


L-413/

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4 | 11/24/2020 | ISSUED FOR TENDER

CLIENT:

PARKS CANADA

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PROJECT TITLE:

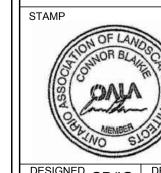
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB DESIGNED CB/IG DRAWN CB

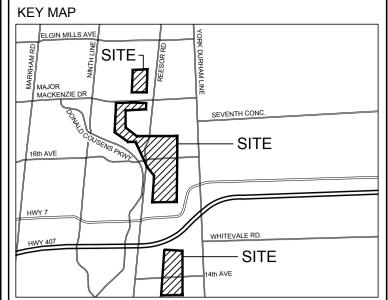
SCALE 1:500 PROJECT NUMBER

DATE NOVEMBER 2020
DWG. NUMBER L-413

19M-01556-00

Scale: 1:500





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 | 11/24/2020 | ISSUED FOR TENDER 3 | 11/06/2020 | ISSUED FOR 90% REVIEW 2 04/29/2020 ISSUED FOR CLIENT REVIEW | CB | LSN 1 | 03/05/2020 | ISSUED FOR CLIENT REVIEW | CB | LSN



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PARKS CANADA

REVISION/ISSUED

PROJECT TITLE:

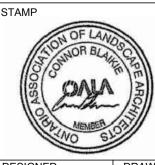
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



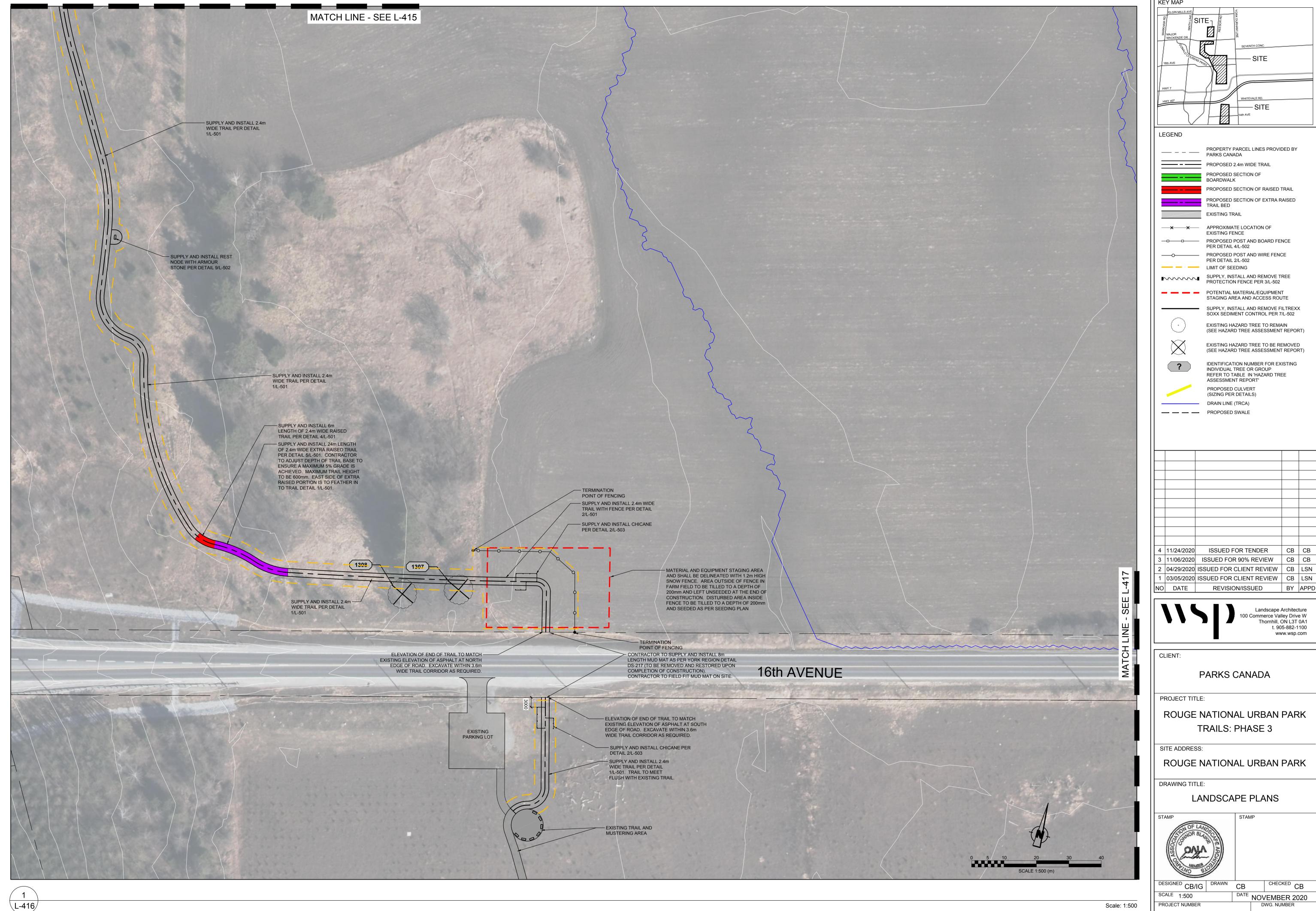
L-415

DESIGNED CB/IG DRAWN CB SCALE 1:500 DATE NOVEMBER 2020
DWG. NUMBER

19M-01556-00

PROJECT NUMBER

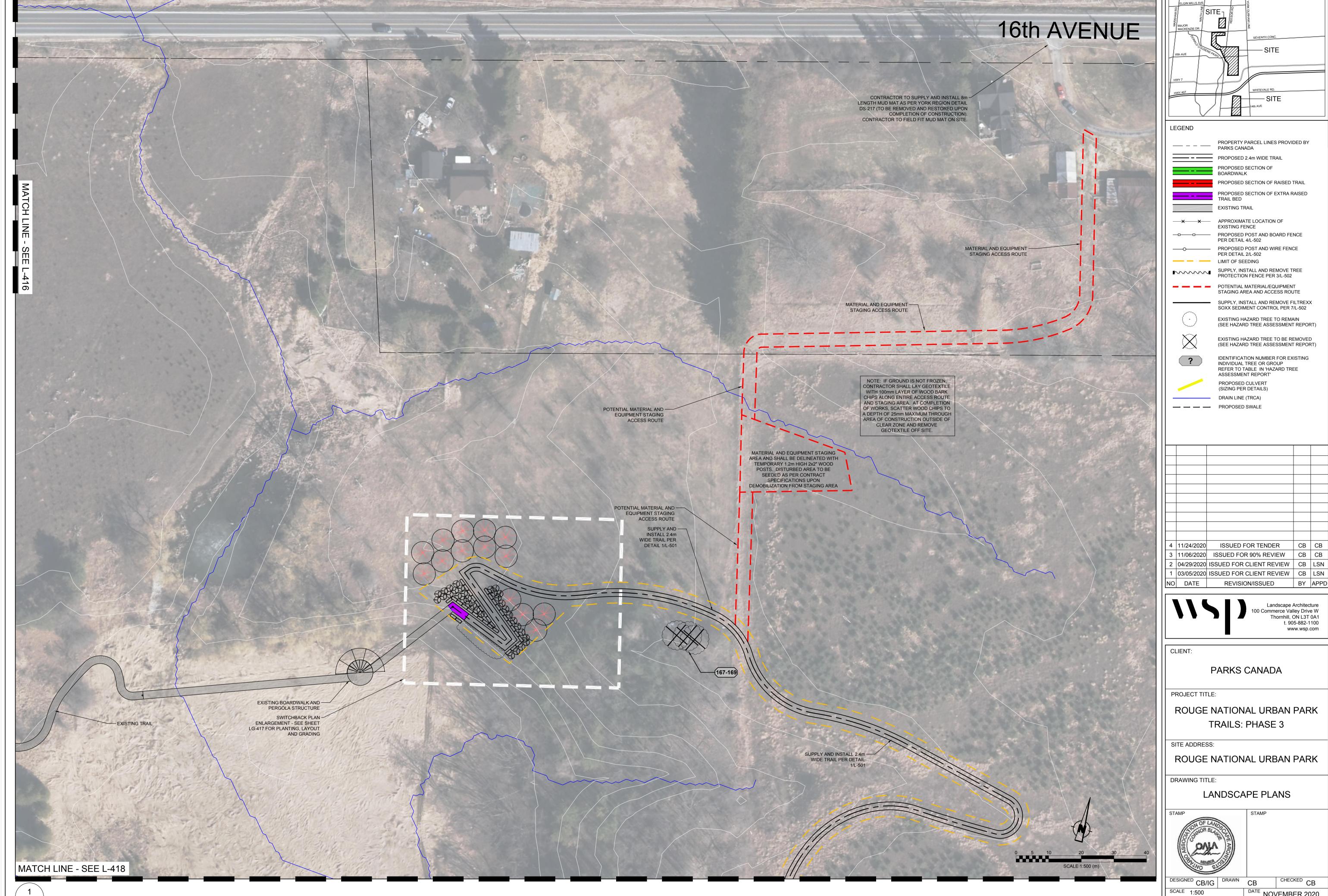
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KEY MAP

L-416

19M-01556-00



\L-417/

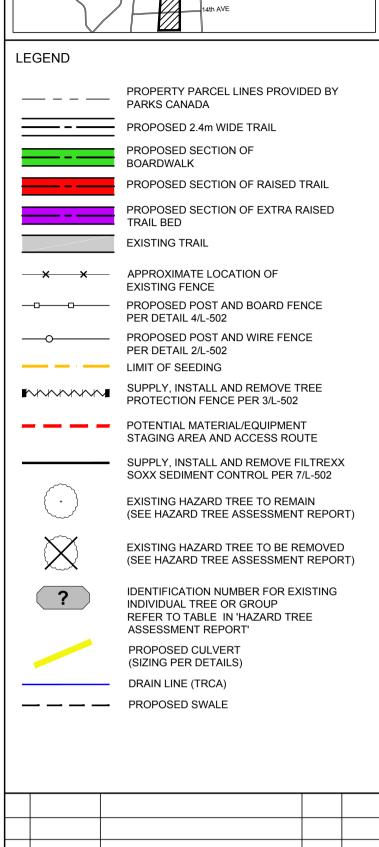
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KEY MAP

DATE NOVEMBER 2020
DWG. NUMBER

PROJECT NUMBER 19M-01556-00

KEY MAP SITE



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CLIENT:

PARKS CANADA

REVISION/ISSUED

PROJECT TITLE:

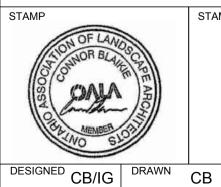
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

SWITCHBACK LANDSCAPE PLAN



CHECKED CB

DATE NOVEMBER 2020
DWG. NUMBER

PROJECT NUMBER

SCALE 1:100

19M-01556-00

SWITCHBACK ENLARGEMENT PLAN LG-417

1 L-418

Scale: 1:500 PRO

KEY MAP

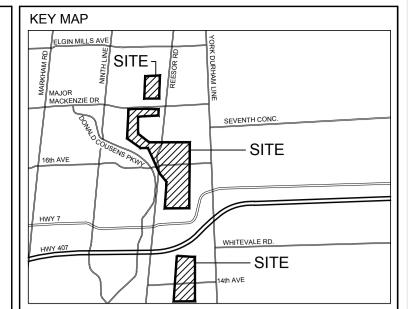
DESIGNED CB/IG DRAWN CB CHECKED CB

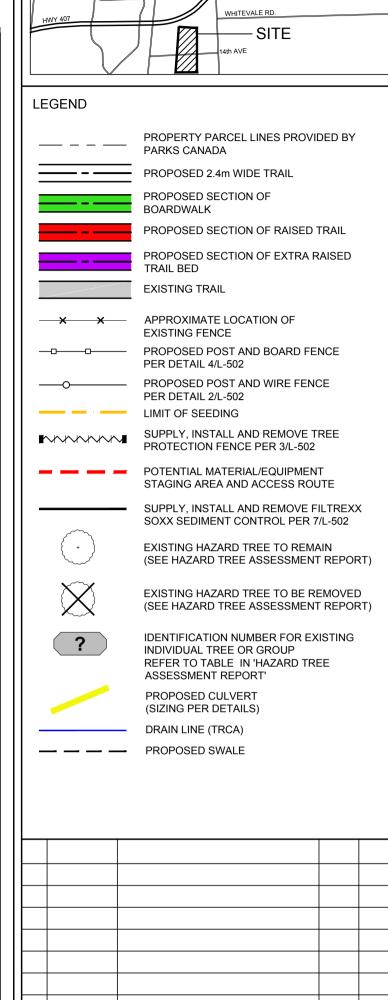
SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER DWG. NUMBER

19M-01556-00

\L-419/







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CB CB

BY APPD

PARKS CANADA

REVISION/ISSUED

PROJECT TITLE:

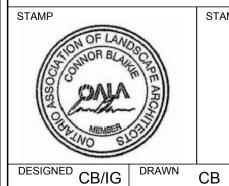
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB

SCALE 1:500 DATE NOVEMBER 2020
DWG. NUMBER PROJECT NUMBER

19M-01556-00

L-419

\L-420/

Scale: 1:500

SCALE 1:500
PROJECT NUMBER

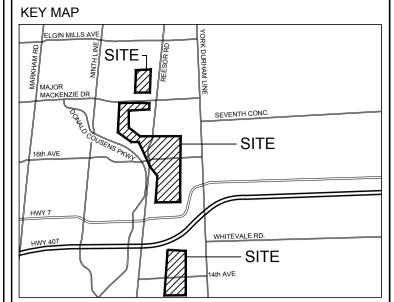
DRAWN CB CHECKED CB

DATE NOVEMBER 2020

DWG. NUMBER

19M-01556-00

L-421/



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

X X 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 BE REMOVED (SEE HAZARD TREE ASSESSMENT REPORT)

EXISTING HAZARD TREE TO REMAIN (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 | 11/24/2020 | ISSUED FOR TENDER 3 | 11/06/2020 | ISSUED FOR 90% REVIEW | CB | CB 2 04/29/2020 ISSUED FOR CLIENT REVIEW | CB | LSN

REVISION/ISSUED



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

BY APPD

PARKS CANADA

PROJECT TITLE:

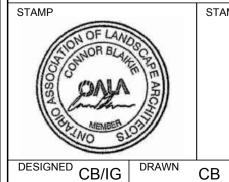
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB

SCALE 1:500 PROJECT NUMBER

Scale: 1:500

19M-01556-00

DATE NOVEMBER 2020
DWG. NUMBER

YY/MM/DD11/26/2020 10:43 AM C:\Users\cacb069539\Desktop\Projects\19M-01556-00 - RNUP Trails\Drawings\RNUP Trails - Landscape Plans - 1 to 500 - Standard\RNUP Trails - La

1 L-422

Scale: 1:500

DESIGNED CB/IG DRAWN CB CHECKED CB

SCALE 1:500 DATE NOVEMBER 2020

PROJECT NUMBER DWG. NUMBER

PROJECT NUMBER

19M-01556-00

KEY MAP

56-00 **L-422**



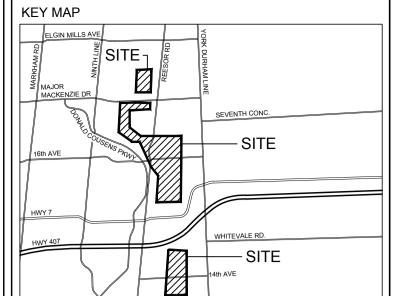
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KEY MAP

DATE NOVEMBER 2020
DWG. NUMBER PROJECT NUMBER

19M-01556-00



PROPERTY PARCEL LINES PROVIDED BY PARKS CANADA PROPOSED SECTION OF RAISED TRAIL PROPOSED SECTION OF EXTRA RAISED TRAIL BED PROPOSED POST AND BOARD FENCE PER DETAIL 4/L-502 PROPOSED POST AND WIRE FENCE

EXISTING HAZARD TREE TO REMAIN (SEE HAZARD TREE ASSESSMENT REPORT) EXISTING HAZARD TREE TO BE REMOVED

ISSUED FOR TENDER

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ROUGE NATIONAL URBAN PARK

SCALE 1:500

Scale: 1:500

DATE NOVEMBER 2020
DWG. NUMBER L-424

19M-01556-00

L-425

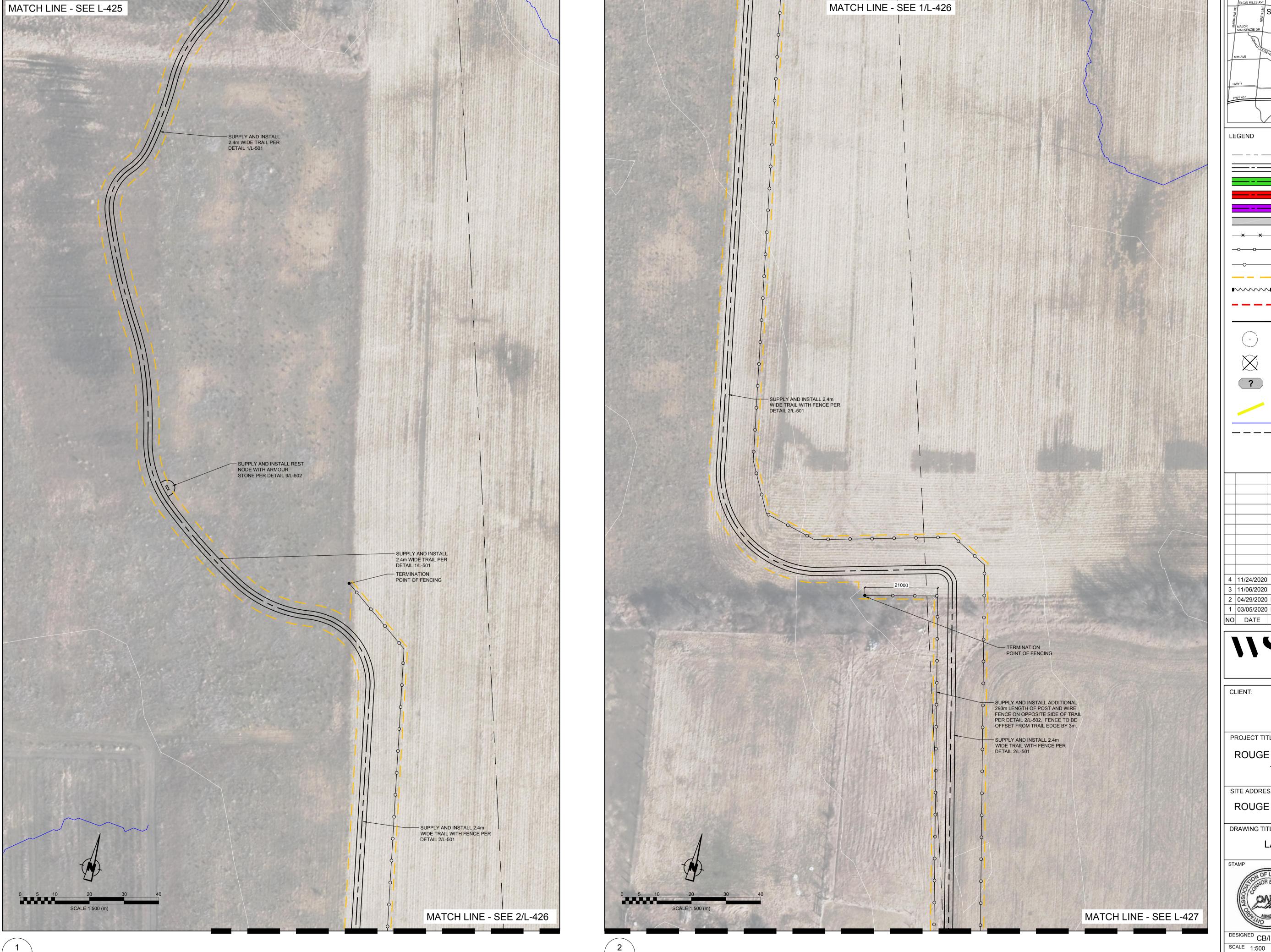
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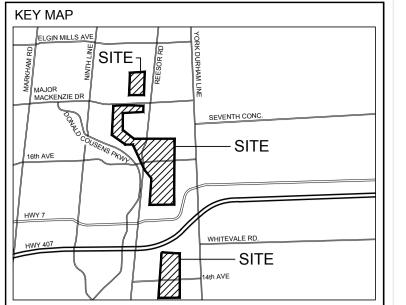
DATE NOVEMBER 2020
DWG. NUMBER

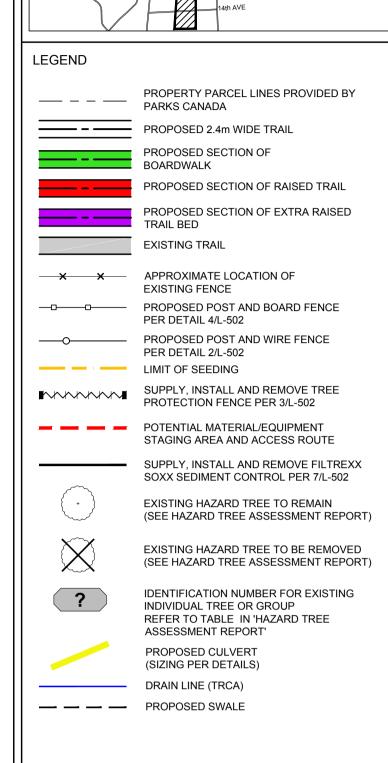
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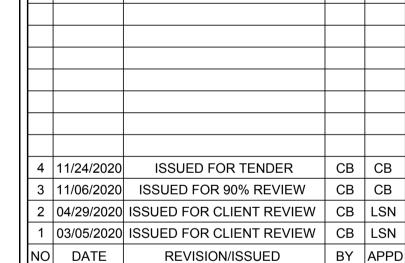
19M-01556-00

L-425









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CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

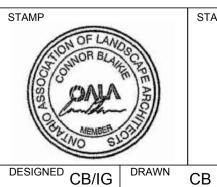
SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

Scale: 1:500

LANDSCAPE PLANS



CHECKED CB DATE NOVEMBER 2020
DWG. NUMBER

L-426

19M-01556-00

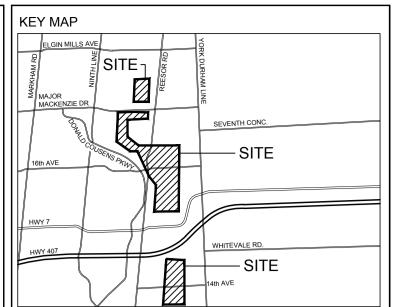
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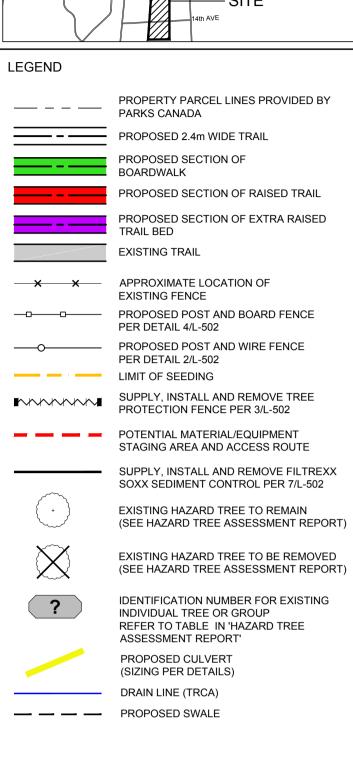
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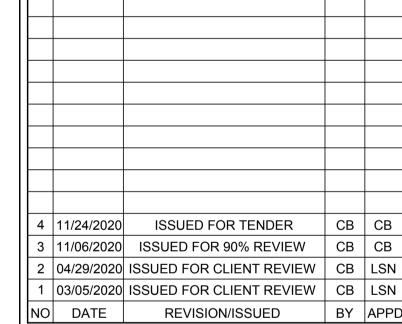
L-426/



\L-427/









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Landscape Architecture

PARKS CANADA

PROJECT TITLE:

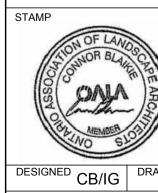
ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



CHECKED CB

SCALE 1:500 DATE NOVEMBER 2020

DWG. NUMBER

PROJECT NUMBER Scale: 1:500

19M-01556-00



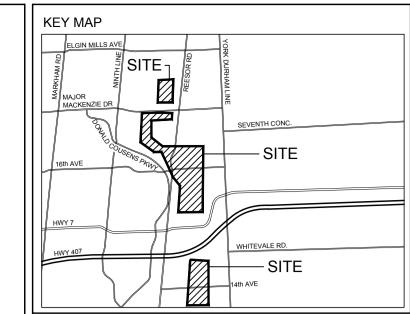
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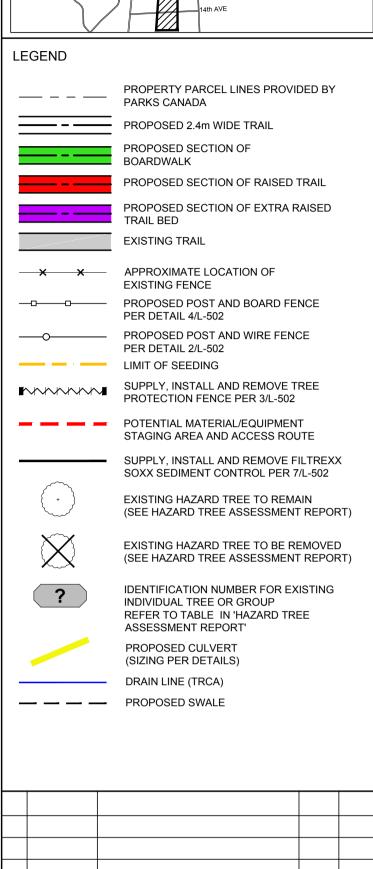
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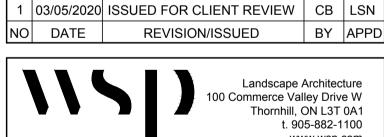
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KEY MAP

L-428 19M-01556-00







 3
 11/06/2020
 ISSUED FOR 90% REVIEW
 CB
 CB

 2
 04/29/2020
 ISSUED FOR CLIENT REVIEW
 CB
 LSN

4 | 11/24/2020 | ISSUED FOR TENDER

CLIENT:

PARKS CANADA

PROJECT TITLE:

ROUGE NATIONAL URBAN PARK TRAILS: PHASE 3

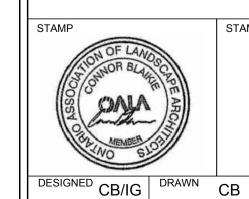
www.wsp.com

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

LANDSCAPE PLANS



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VN CB CHECKED CB

SCALE 1:500

PROJECT NUMBER

DATE NOVEMBER 2020

DWG. NUMBER

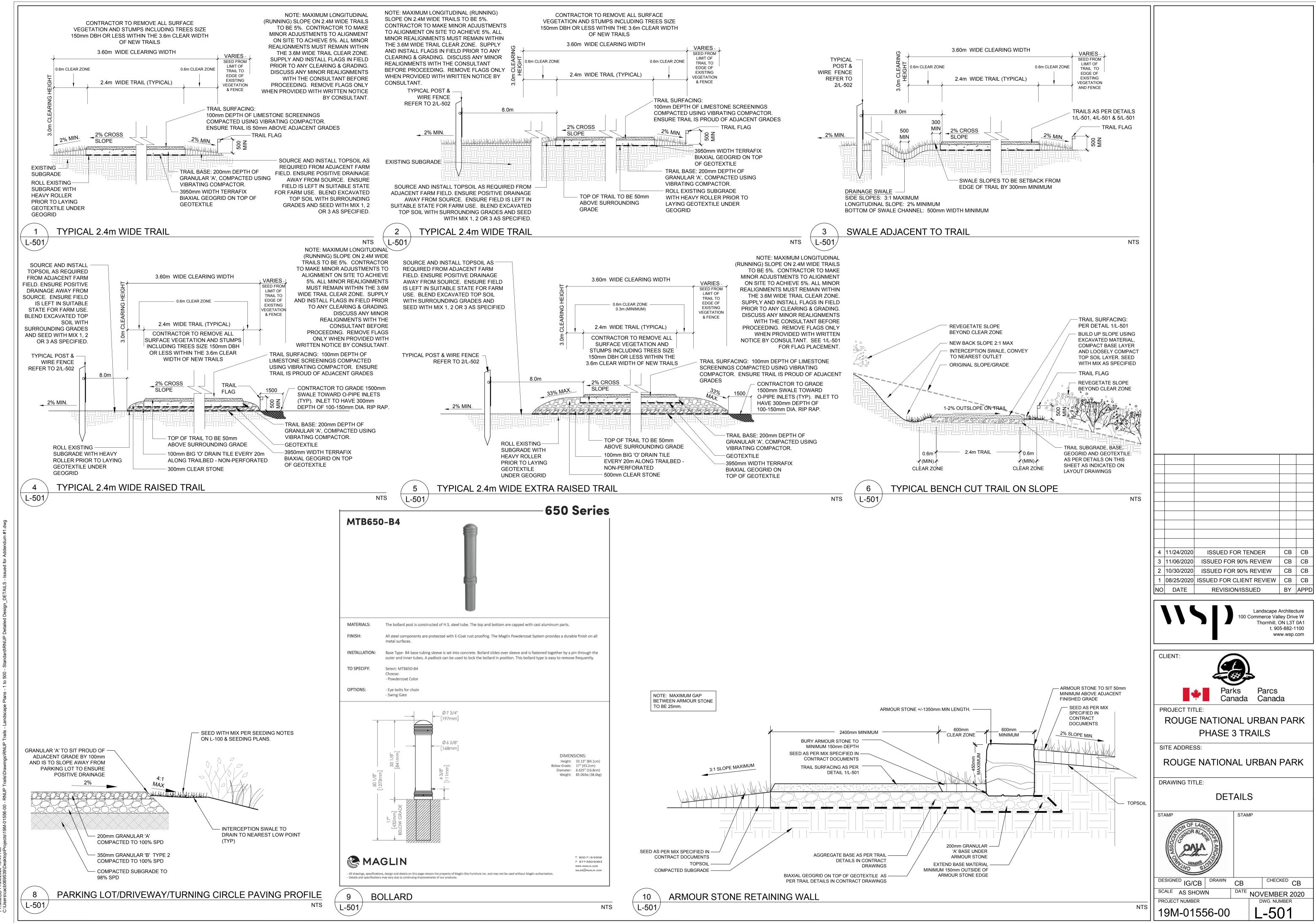
19M-01556-00

556-00 **L-42**9

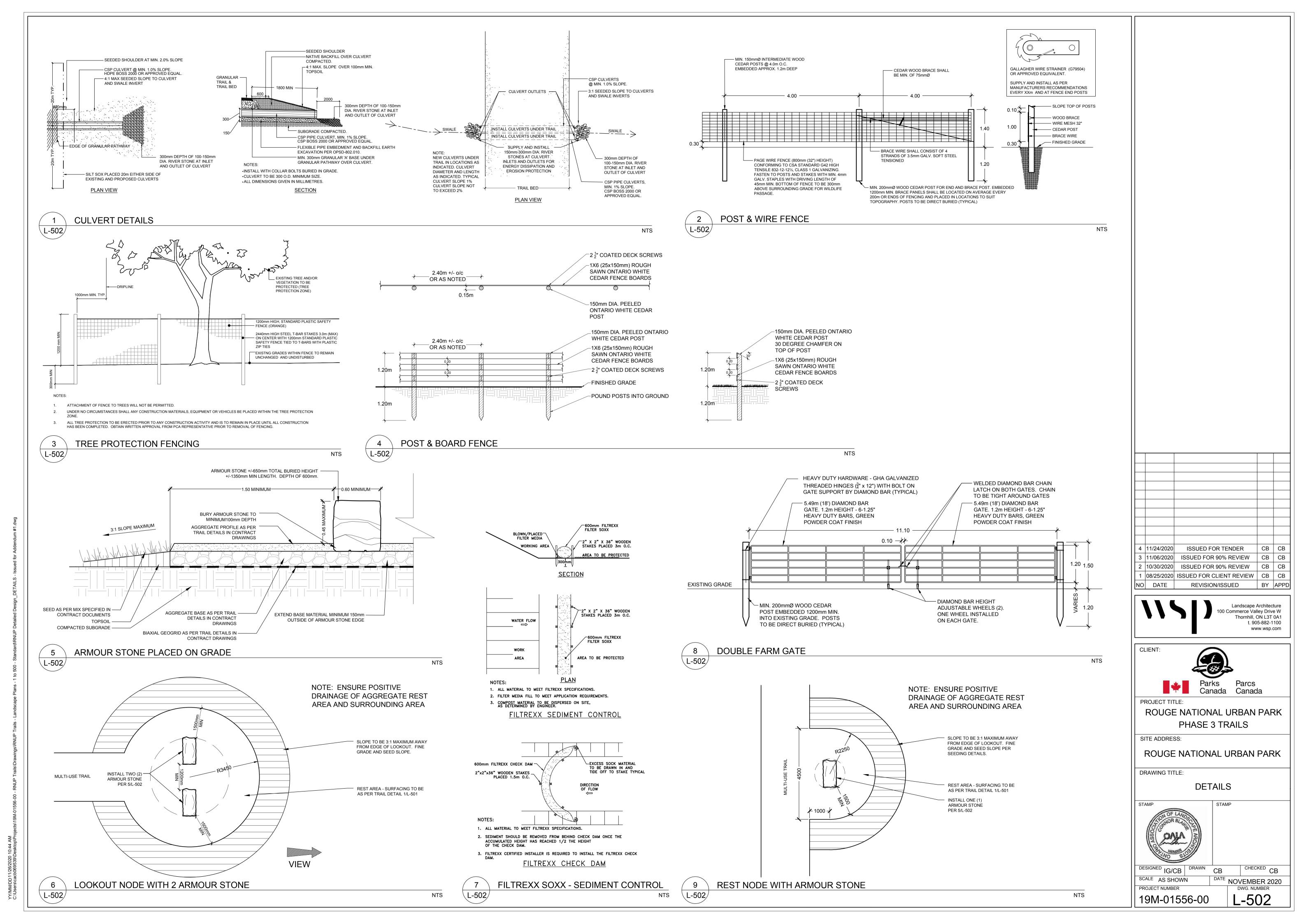
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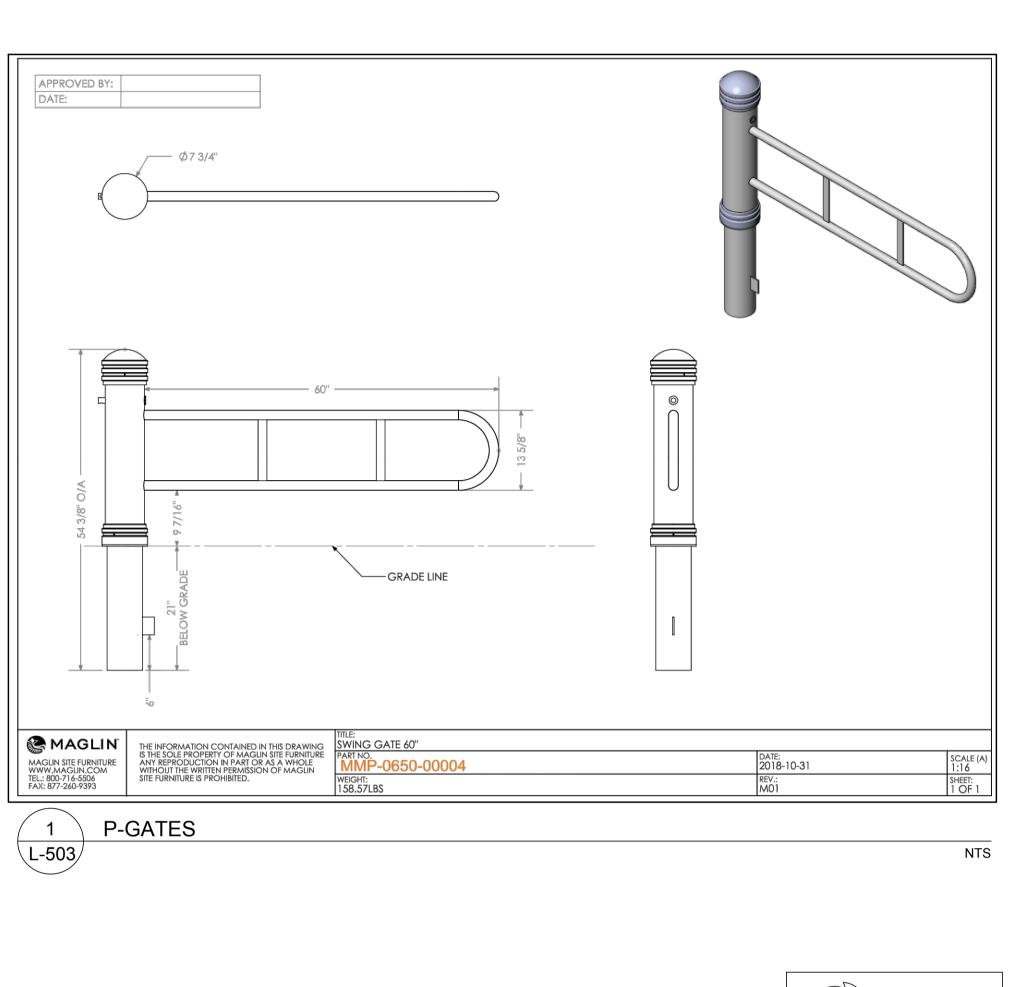
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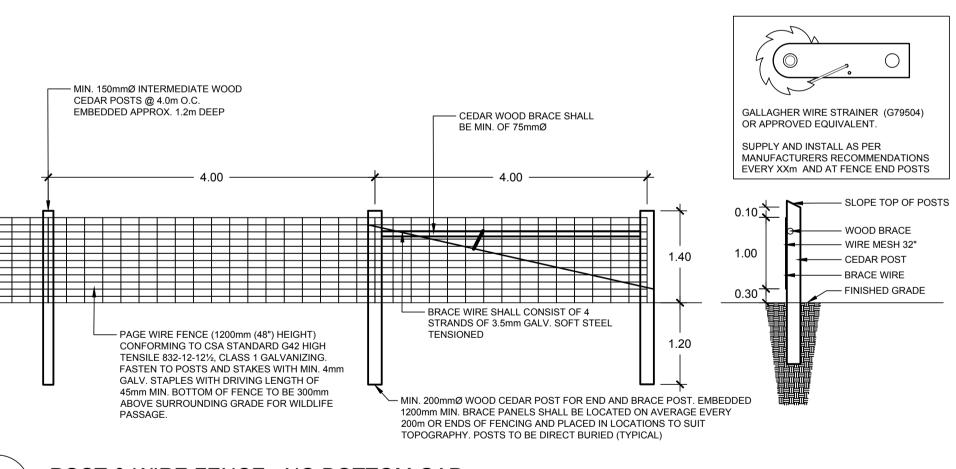
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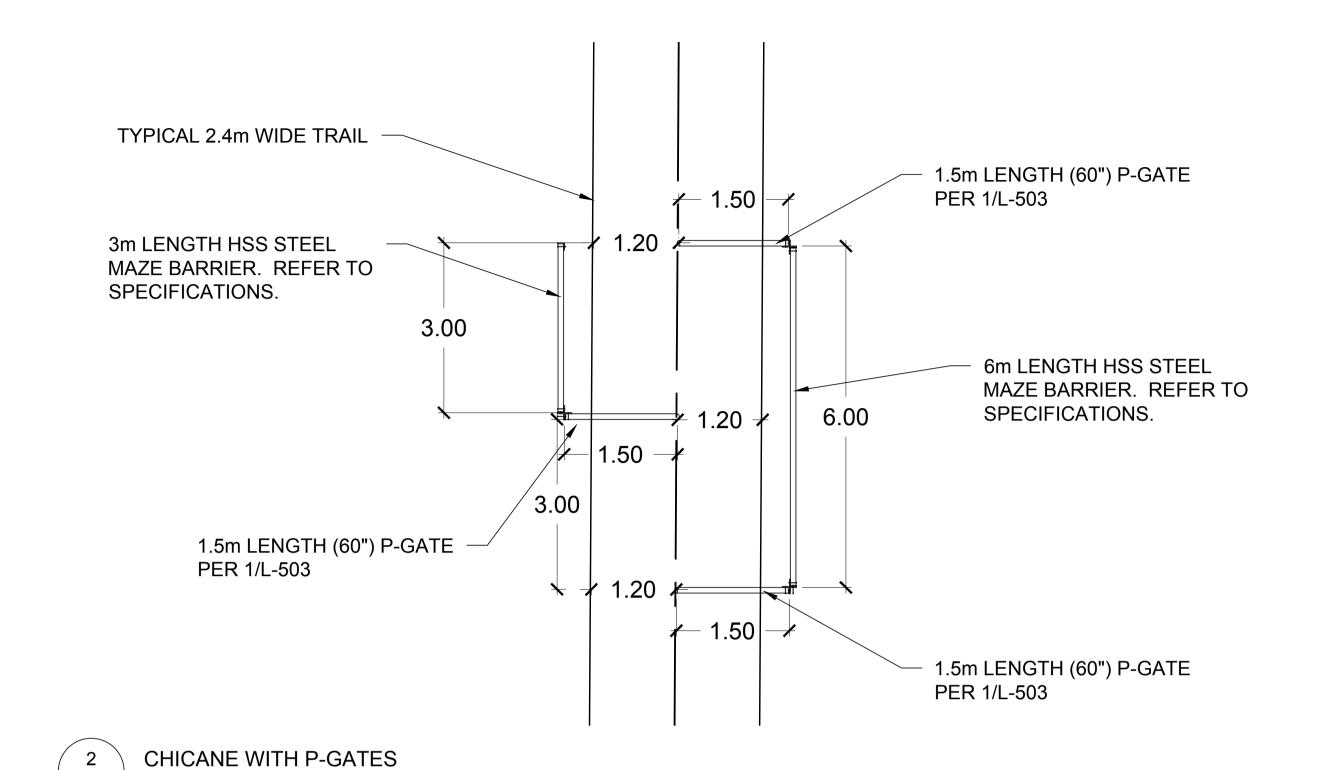
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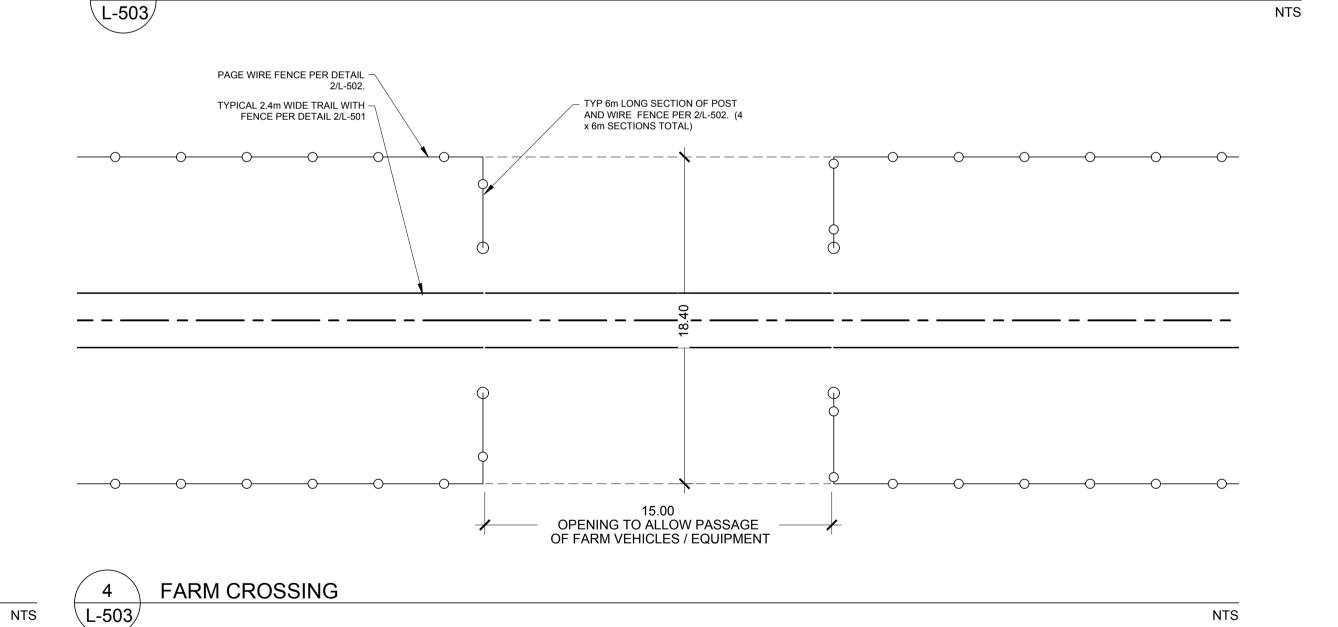


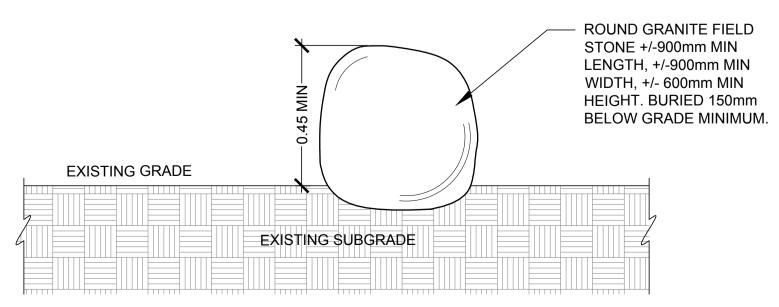




POST & WIRE FENCE - NO BOTTOM GAP L-503







FIELD STONE L-503

NTS



4 11/24/2020 ISSUED FOR TENDER

3 | 11/06/2020 | ISSUED FOR 90% REVIEW | CB | CB 2 | 10/30/2020 | ISSUED FOR 90% REVIEW | CB | CB 1 08/25/2020 ISSUED FOR CLIENT REVIEW | CB | CB REVISION/ISSUED

BY APPD

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t. 905-882-1100

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Parks Canada Canada

PROJECT TITLE:

NO DATE

CLIENT:

NTS

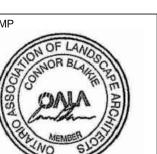
ROUGE NATIONAL URBAN PARK PHASE 3 TRAILS

SITE ADDRESS:

ROUGE NATIONAL URBAN PARK

DRAWING TITLE:

DETAILS

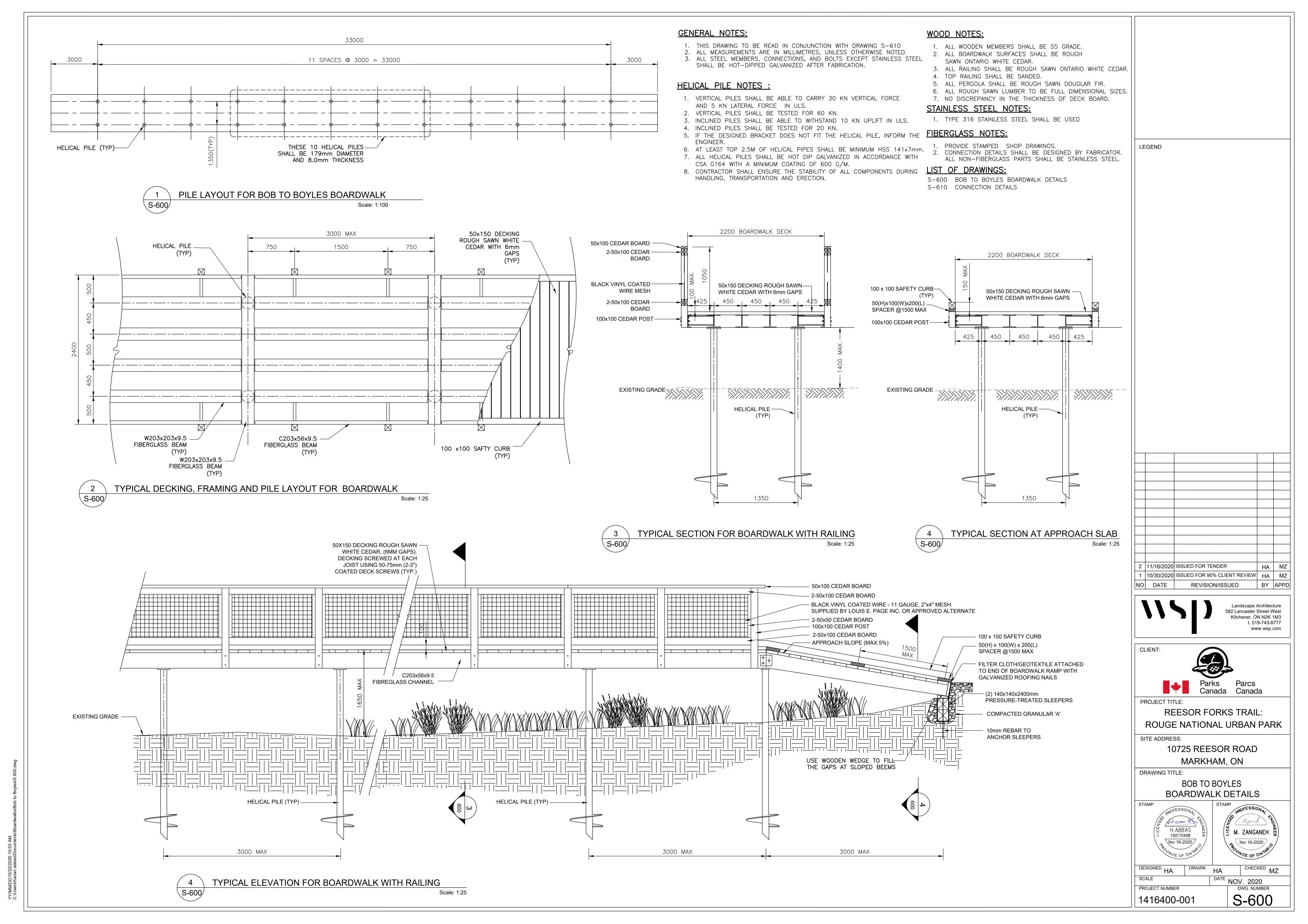


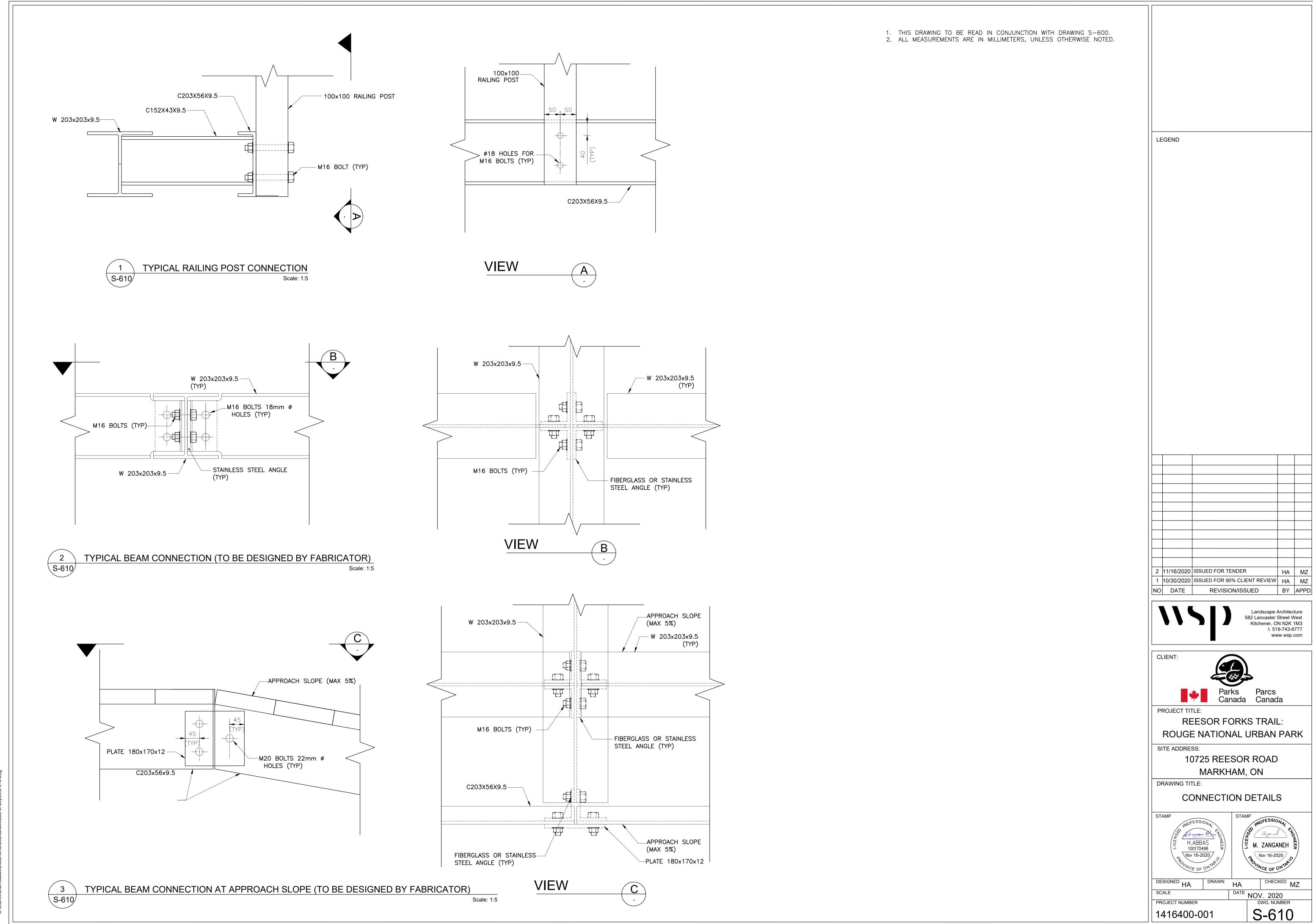
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DESIGNED IG/CB DRAWN CB SCALE AS SHOWN PROJECT NUMBER

DATE NOVEMBER 2020 DWG. NUMBER L-503 19M-01556-00

STAMP





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