# HUXLEY COMMUNITY PARK - NORTH ROAD, GABRIOLA ISLAND, BC



REGIONAL DISTRICT OF NANAIMO
PARKS AND RECREATION
1480 SPRINGHILL ROAD
PARKSVILLE, BC, V9P 2B8

## ISSUED FOR TENDER

JOB NO.: HCP15

July 7, 2017

# **DRAWING LIST**

HCP15-L0 COVER: LOCATION & CONTACTS HCP15-L1 EXISTING CONDITIONS

HCP15-L2 REMOVALS & TREE PROTECTION

HCP15-L3 LAYOUT & MATERIALS

HCP15-L4 GRADING

HCP15-L5 DETAILS & PRODUCT INFORMATION HCP15-L6 DETAILS & PRODUCT INFORMATION

# **HUXLEY PARK**

LOT B, SECTION 20 GABRIOLA ISLAND NANAIMO DISTRICT PLAN 50404

ADDRESS: 585 N Rd GABRIOLA, BC V0R 1X3

# LOCATION MAP NOT TO SCALE



### RDN CONTACT:



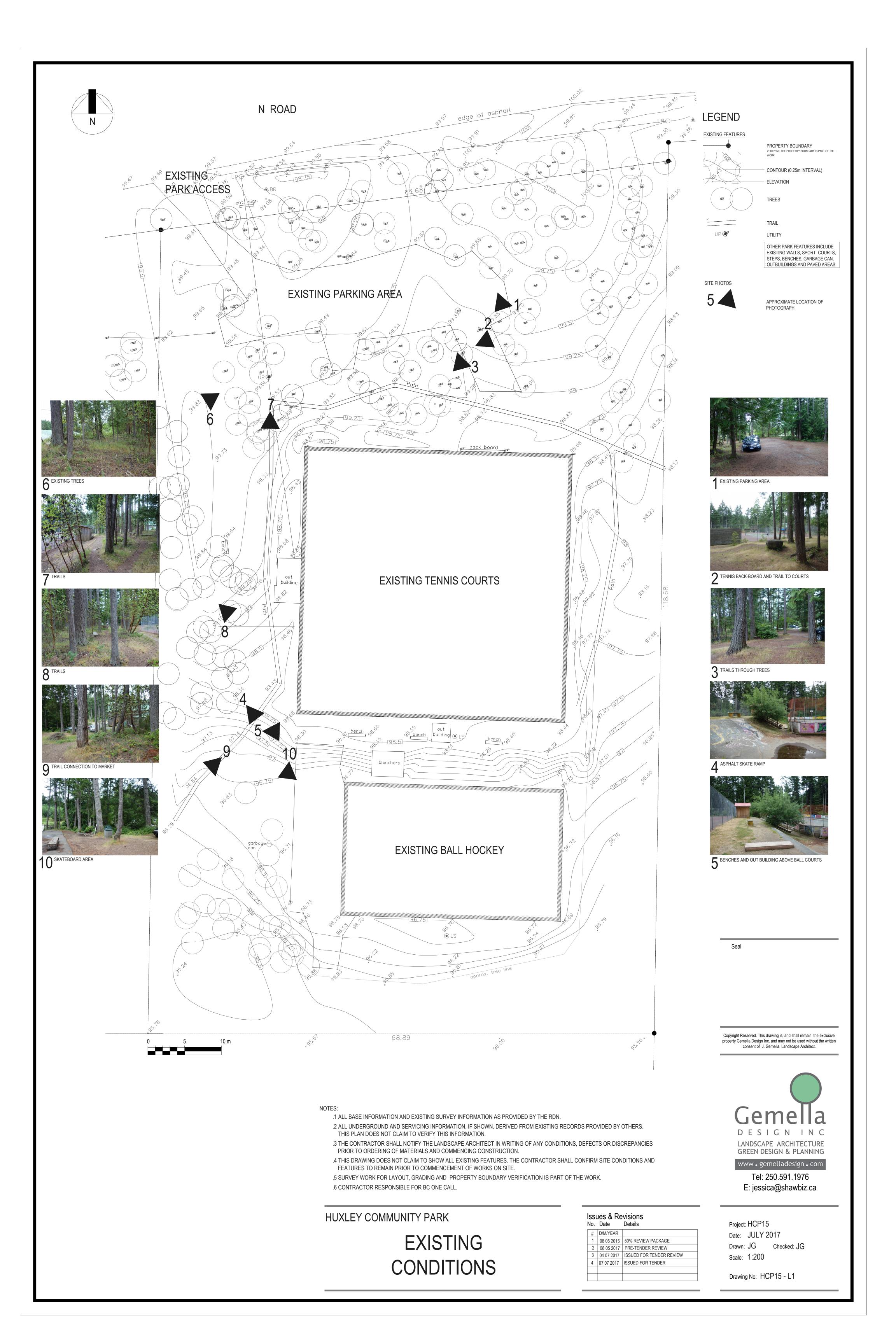
Tel:1-888-828-2069
Tel: 250-248-4744
Mark Dobbs, Superintendent of Park
Operations and Capital Projects
E: mdobbs@rdn.bc.ca

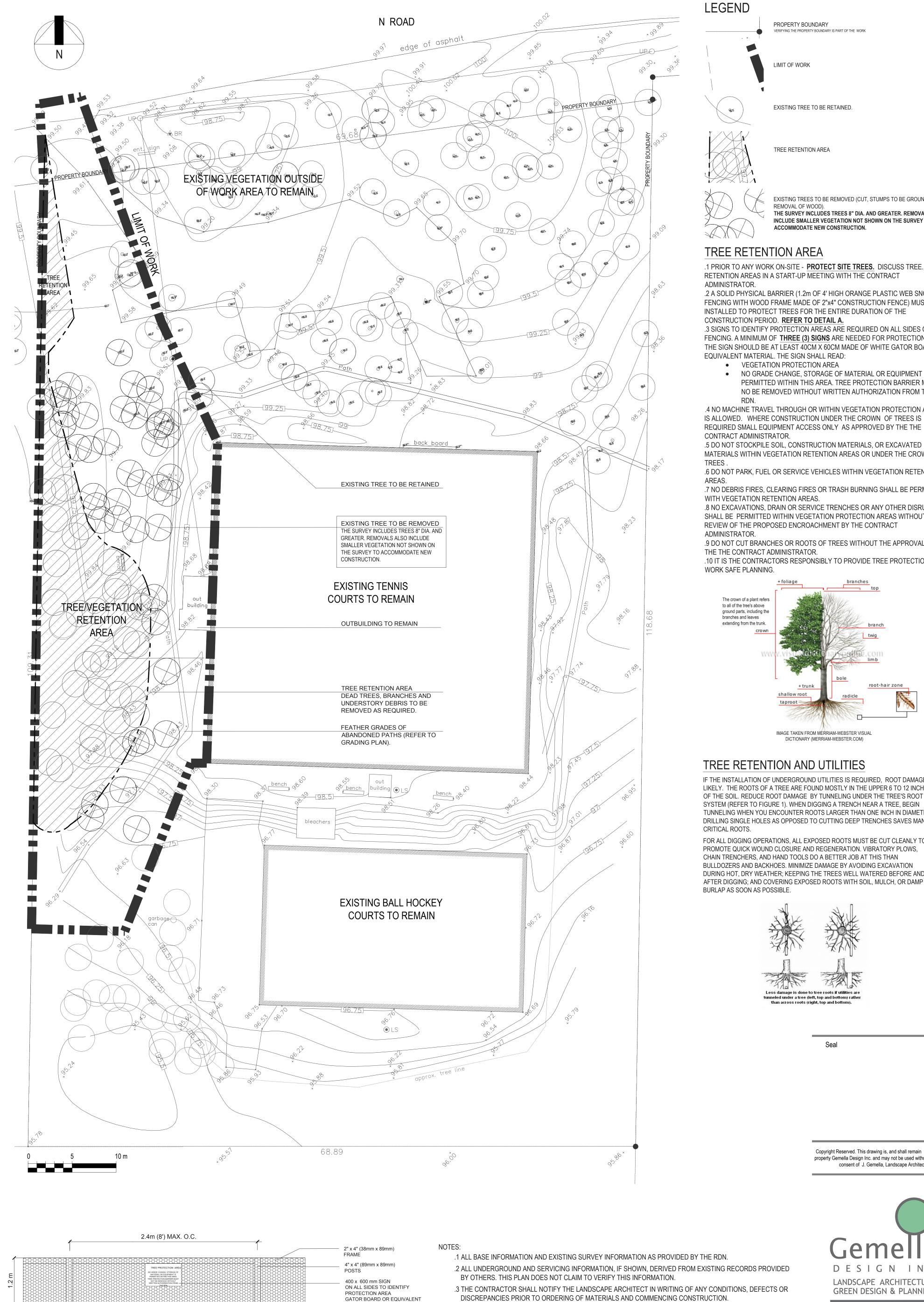


Tel: 250.591.1976

Jessica Gemella, Landscape Architect
E: jessica@shawbiz.ca

Drawing No.: HCP15-L0





MESH SNOW FENCE

NTS.

**HUXLEY COMMUNITY PARK** 

UNDISTURBED EXISTING SOILS

TREE PROTECTION FENCE

PROPERTY BOUNDARY VERIFYING THE PROPERTY BOUNDARY IS PART OF THE WORK



EXISTING TREE TO BE RETAINED.



EXISTING TREES TO BE REMOVED (CUT, STUMPS TO BE GROUND, PLUS REMOVAL OF WOOD). THE SURVEY INCLUDES TREES 8" DIA. AND GREATER. REMOVALS ALSO INCLUDE SMALLER VEGETATION NOT SHOWN ON THE SURVEY TO ACCOMMODATE NEW CONSTRUCTION.

#### TREE RETENTION AREA

.1 PRIOR TO ANY WORK ON-SITE - PROTECT SITE TREES. DISCUSS TREE. RETENTION AREAS IN A START-UP MEETING WITH THE CONTRACT

.2 A SOLID PHYSICAL BARRIER (1.2m OF 4' HIGH ORANGE PLASTIC WEB SNOW FENCING WITH WOOD FRAME MADE OF 2"x4" CONSTRUCTION FENCE) MUST BE INSTALLED TO PROTECT TREES FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. REFER TO DETAIL A.

.3 SIGNS TO IDENTIFY PROTECTION AREAS ARE REQUIRED ON ALL SIDES OF THE FENCING. A MINIMUM OF  $\underline{\text{THREE (3) SIGNS}}$  ARE NEEDED FOR PROTECTION AREAS. THE SIGN SHOULD BE AT LEAST 40CM X 60CM MADE OF WHITE GATOR BOARD OR EQUIVALENT MATERIAL. THE SIGN SHALL READ:

VEGETATION PROTECTION AREA

 NO GRADE CHANGE, STORAGE OF MATERIAL OR EQUIPMENT IS PERMITTED WITHIN THIS AREA. TREE PROTECTION BARRIER MUST NO BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE

.4 NO MACHINE TRAVEL THROUGH OR WITHIN VEGETATION PROTECTION AREAS IS ALLOWED. WHERE CONSTRUCTION UNDER THE CROWN OF TREES IS REQUIRED SMALL EQUIPMENT ACCESS ONLY AS APPROVED BY THE THE CONTRACT ADMINISTRATOR.

MATERIALS WITHIN VEGETATION RETENTION AREAS OR UNDER THE CROWNS OF

.6 DO NOT PARK, FUEL OR SERVICE VEHICLES WITHIN VEGETATION RETENTION

.7 NO DEBRIS FIRES, CLEARING FIRES OR TRASH BURNING SHALL BE PERMITTED WITH VEGETATION RETENTION AREAS.

.8 NO EXCAVATIONS, DRAIN OR SERVICE TRENCHES OR ANY OTHER DISRUPTION SHALL BE PERMITTED WITHIN VEGETATION PROTECTION AREAS WITHOUT A REVIEW OF THE PROPOSED ENCROACHMENT BY THE CONTRACT

.9 DO NOT CUT BRANCHES OR ROOTS OF TREES WITHOUT THE APPROVAL OF THE THE CONTRACT ADMINISTRATOR.

.10 IT IS THE CONTRACTORS RESPONSIBLY TO PROVIDE TREE PROTECTION AND

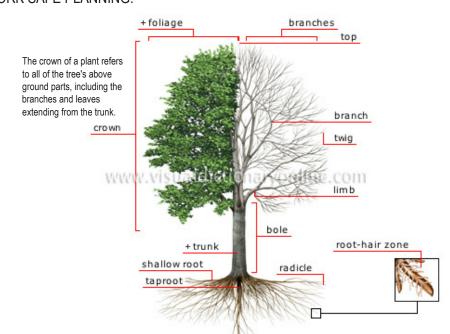
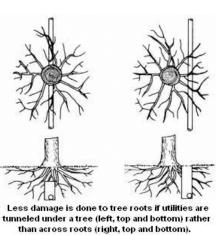


IMAGE TAKEN FROM MERRIAM-WEBSTER VISUAL DICTIONARY (MERRIAM-WEBSTER.COM)

#### TREE RETENTION AND UTILITIES

IF THE INSTALLATION OF UNDERGROUND UTILITIES IS REQUIRED, ROOT DAMAGE IS LIKELY. THE ROOTS OF A TREE ARE FOUND MOSTLY IN THE UPPER 6 TO 12 INCHES OF THE SOIL. REDUCE ROOT DAMAGE BY TUNNELING UNDER THE TREE'S ROOT SYSTEM (REFER TO FIGURE 1). WHEN DIGGING A TRENCH NEAR A TREE, BEGIN TUNNELING WHEN YOU ENCOUNTER ROOTS LARGER THAN ONE INCH IN DIAMETER DRILLING SINGLE HOLES AS OPPOSED TO CUTTING DEEP TRENCHES SAVES MANY

FOR ALL DIGGING OPERATIONS, ALL EXPOSED ROOTS MUST BE CUT CLEANLY TO PROMOTE QUICK WOUND CLOSURE AND REGENERATION. VIBRATORY PLOWS, CHAIN TRENCHERS, AND HAND TOOLS DO A BETTER JOB AT THIS THAN BULLDOZERS AND BACKHOES. MINIMIZE DAMAGE BY AVOIDING EXCAVATION DURING HOT, DRY WEATHER; KEEPING THE TREES WELL WATERED BEFORE AND AFTER DIGGING; AND COVERING EXPOSED ROOTS WITH SOIL, MULCH, OR DAMP



Copyright Reserved. This drawing is, and shall remain the exclusive property Gemella Design Inc. and may not be used without the written consent of J. Gemella, Landscape Architect.



Tel: 250.591.1976 E: jessica@shawbiz.ca

Project: HCP15

.4 THIS DRAWING DOES NOT CLAIM TO SHOW ALL EXISTING FEATURES. THE CONTRACTOR SHALL CONFIRM SITE

Issues & Revisions

1 | 08 05 2015 | 50% REVIEW PACKAGE

2 | 08 05 2017 | PRE-TENDER REVIEW 3 04 07 2017 ISSUED FOR TENDER REVIEW

4 | 07 07 2017 | ISSUED FOR TENDER

No. Date Details

# D/M/YEAR

.5 SURVEY WORK FOR LAYOUT, GRADING AND PROPERTY BOUNDARY VERIFICATION IS PART OF THE WORK.

CONDITIONS AND FEATURES TO REMAIN PRIOR TO COMMENCEMENT OF WORKS ON SITE.

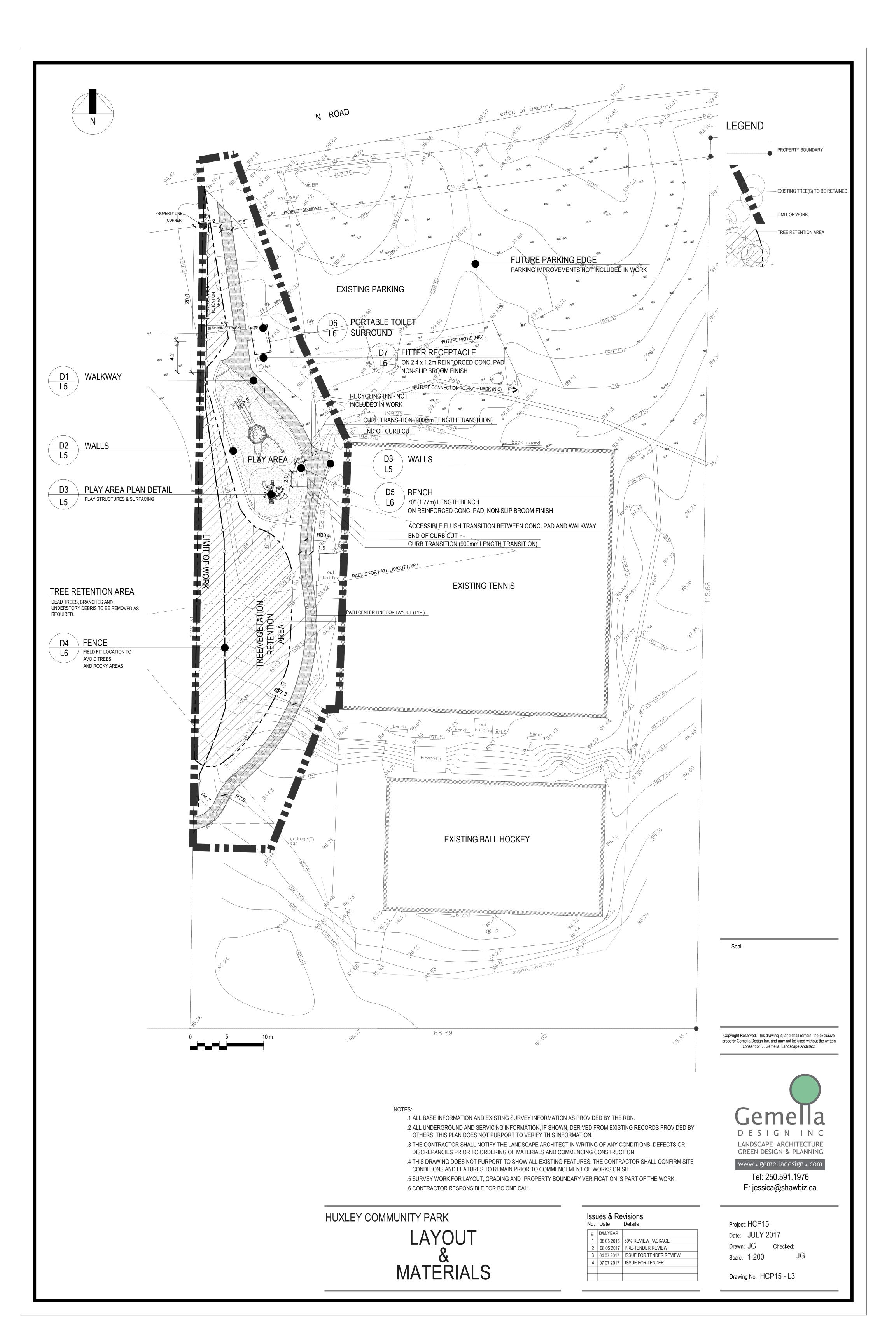
.6 CONTRACTOR RESPONSIBLE FOR BC ONE CALL.

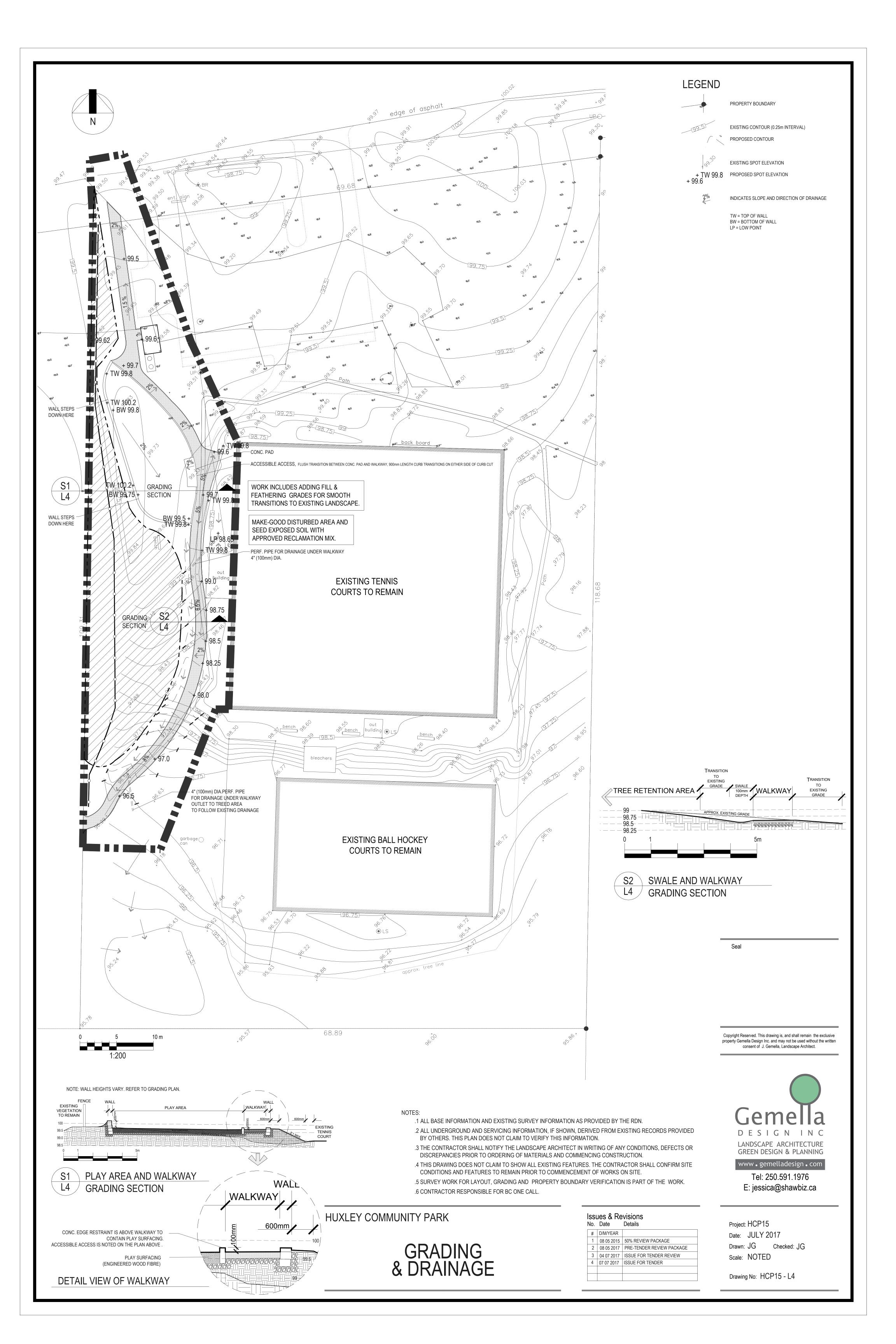
REMOVALS &

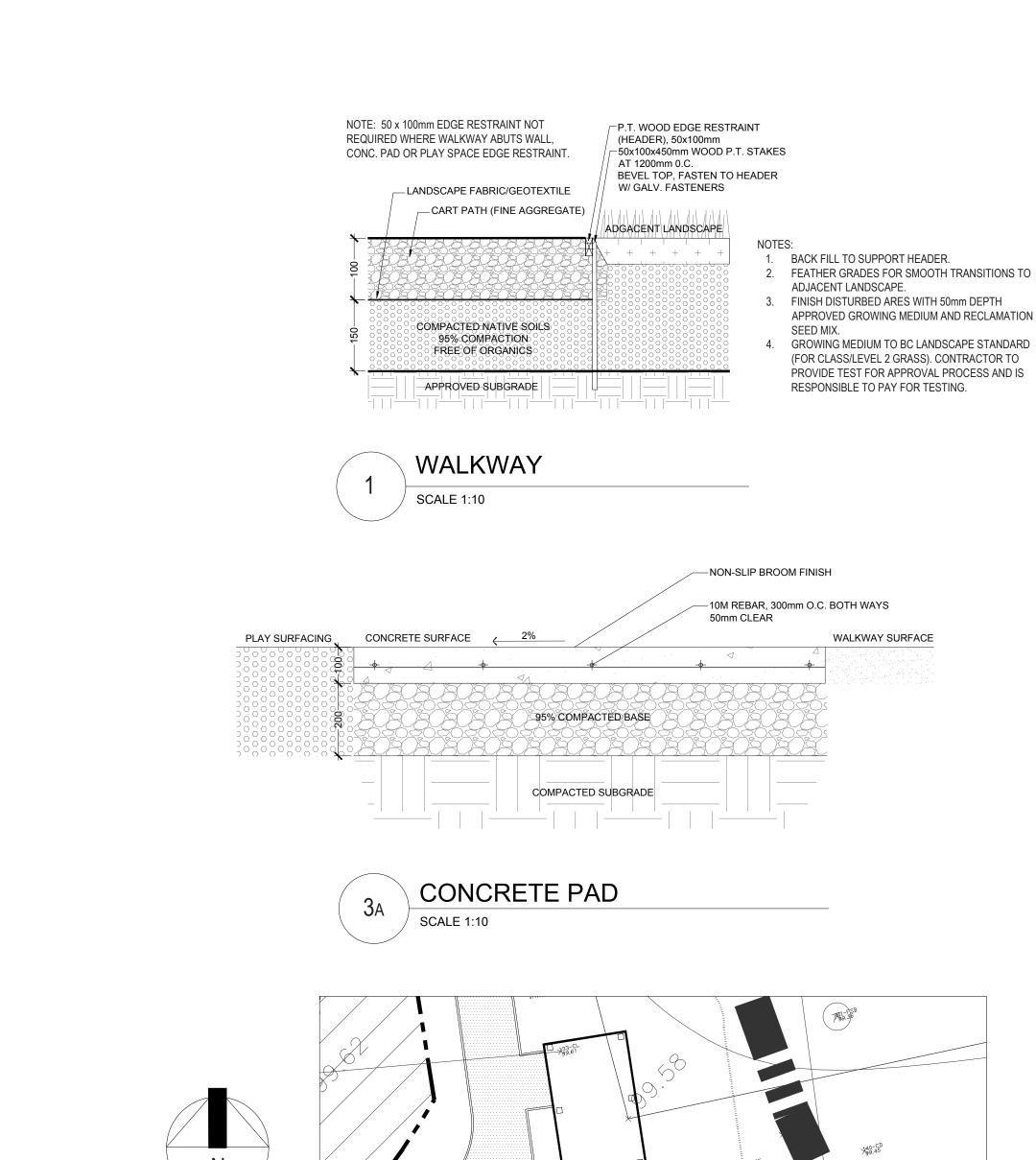
PROTECTION

Date: JULY 2017 Drawn: JG Checked: JG Scale: 1:200

Drawing No: HCP15 - L2







1. FEATHER GRADES FOR SMOOTH TRANSITIONS TO ADJACENT LANDSCAPE. FINISH DISTURBED ARES WITH 50mm DEPTH APPROVED GROWING MEDIUM AND RECLAMATION SEED MIX. GROWING MEDIUM TO BC LANDSCAPE STANDARD (FOR CLASS/LEVEL 2 GRASS). CONTRACTOR TO PROVIDE TEST FOR APPROVAL PROCESS AND IS RESPONSIBLE TO PAY FOR TESTING.

- WALL ROCK/GRANULAR MATERIAL REFER TO ALLAN BLOCK PRODUCT SPECIFICATION AND INSTALLATION REQUIREMENTS. - BLOCK WALL WITH CAP ALLAN BLOCK AB COLLECTION OR APPROVED EQUAL. RETENTION USE FLEXIBLE MASONARY ADHESIVE TO SECURE CAP STONE IN PLACE. REFER TO PRODUCT SPECIFICATION. AREA -BLOCKS MUST BE CLEAR OF CSA REQUIRED NO ENROCHMENT / FALL AREA FOR PLAY STRUCTURES BLOCK SHOULD EXTEND TO FLOOR OF EXCAVATION PLAY SURFACING GRANULAR MATERIAL /WALL BASE 150mm DEPTH, 95% COMPACTION – 100mm DIA. PERF. DRAIN PIPE NOTES: - UNDISTURBED NATIVE SOILS 1. GRANULAR MATERIAL BACKFILL IS TO MEET THE GRADATION FOR WALL ROCK. REFER TO

2. CONNECT DRAIN PIPES TO EXISTING SITE DRAINAGE SYSTEM OR OUTLET TO VEGETATION

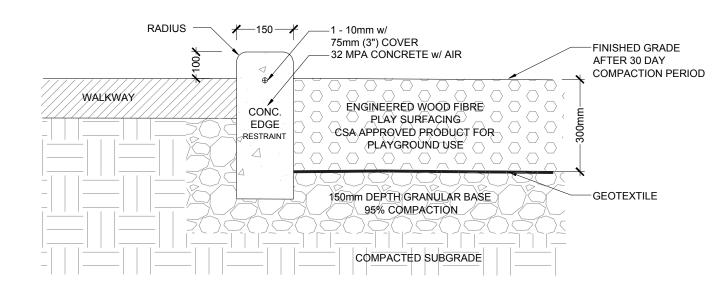
3. REFER TO LANDSCAPE ARCHITECTURAL GRADING PLAN FOR PLANTER WALL HEIGHTS AND

4. REFER TO LANDSCAPE ARCHITECTURAL LAYOUT PLAN FOR LOCATION.

5. MATERIAL AND INSTALLATION TO PRODUCT SPECIFICATIONS.

RETENTION AREAS, AWAY FROM FACILITIES AND TRAILS.

WALL **SCALE 1:30** 





The area should be well compacted and accurately graded, especially in areas where additional fill has been brought in. Base to be graded with a minimum slope of 2% to drain. Refer to grading plan. It is not recommended that Engineered Wood Fiber be installed on a grade greater than 10%. All roots, stones, and vegetation must be removed.

Install safety surfacing system in accordance with manufacturer's standard installation instructions.

A. Provide and install approximately 30% additional material to allow for compaction; depth after 30 day compaction B. Install (1) layer of polyester geotextile beneath wood fiber surfacing, overlapping edges at least 4".

IMPORTANT: Mark off all the legs of the equipment with the compacted design depth. Spread Engineered Wood Fiber, using a Bobcat or a small front-end loader. Operator should be careful to not turn sharply on the Fiber. It will also be necessary to use hand labor to spread. To allow for natural compaction, supply additional material to meet supplier recommendations. The Fiber will be several inches above grade or border until it compacts. Feather the edges to make a smooth transition to existing grade or border.

OPTIONAL: To speed up the natural compaction process, once drainage is installed, install the Fiber in layers, 4" at a time. Rake, level and wet the surface before compacting with a mechanical compactor after each layer is installed. Change direction 90 degrees between each layer. Repeat these steps until the desired surface thickness is achieved. Hand-rake for a perfectly smooth, finished surface. After two weeks of active use, surface should be raked again.

Provide contract administrator with proof of material compliance to ASTM Standard for Engineered Wood Fiber for Surface Systems Under and Around Playground Equipment (available from supplier/manufacter).

**WALKWAY** WALKWAY EDGE RESTRAINT PLAY AREA EDGE RESTRAINT PLAY SURFACING **BENCH** CONC. PAD ACCESSIBLE ACCESS: FLUSH TRANSITION BETWEEN CONC. PAD AND WALKWAY, 900mm LENGTH CURB TRANSITIONS ON EITHER SIDE OF CURB CUT RETAINING WALL (SEAT HT.) TREE RETENTION AREA **RETAINING WALL** 10 m PLAY AREA **DETAIL PLAN VIEW** 

THIS PLAYGROUND STRUCTURE NOT INLUCDED IN WORK: LANDSCAPE STRUCTURES INC. 224086 DISC NET CLIMBER W/DBL SWOOSH SLIDE, 7 POST WITH 193174 SOL SPINNER AND 193170 LOLLILADER.

INCLUDED IN WORK: LANDSCAPE STRUCUTRES INC. 197057 SMART PLAY MOTION W/PLAY TABLE COLOUR PALLETE AW

Certificate of Compliance is required from equipment manufacturer(s) and certified CSA Playground Inspector upon completion of construction (CSA Standard).

Issues & Revisions

3 04 07 2017 ISSUED FOR TENDER REVIEW

4 07 07 2017 ISSUED FOR TENDER

No. Date # D/M/YEAR

LANDSCAPE STRUCUTRES INC. 197057 SMART PLAY MOTION W/PLAY TABLE **COLOUR PALLETE AW** 

SUPPLIER CONTACT FOR LANDSCAPE STRUCTURES INC.

Habitat Systems Inc. Tel: (604) 294-4224 | Fax: (604) 294-4002 Cell: (604) 319-6499 Toll Free: 1-866-HABITAT (422-4828)

**DETAILS** & PRODUCT INFO.

Copyright Reserved. This drawing is, and shall remain the exclusive property Gemella Design Inc. and may not be used without the written consent of J. Gemella, Landscape Architect.

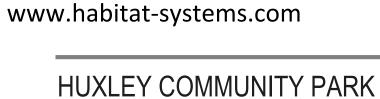


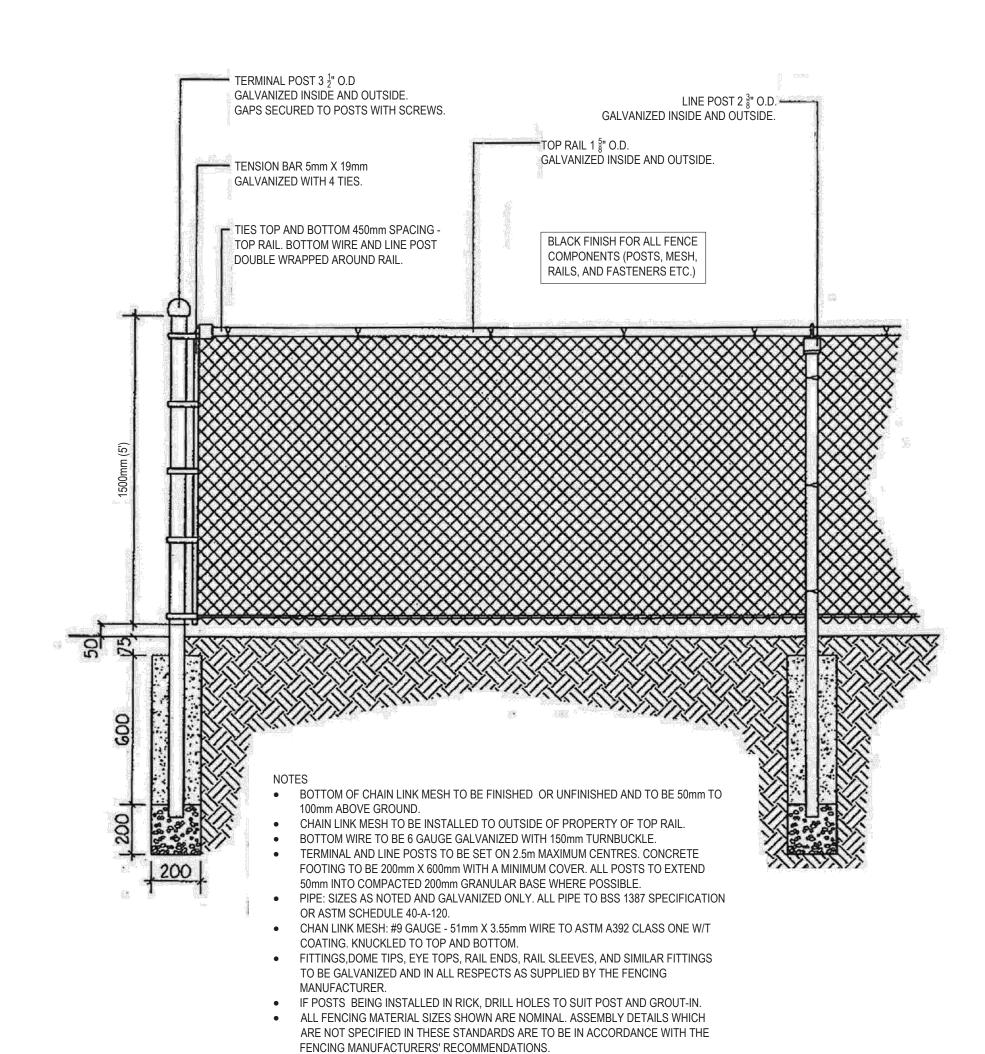
Tel: 250.591.1976 E: jessica@shawbiz.ca

Project: HCP15 Date: JULY 2017 1 | 08 05 2015 | 50% REVIEW PACKAGE Drawn: JG Checked: JG 2 | 08 05 2017 | PRE-TENDER REVIEW

Drawing No: HCP15 - L5

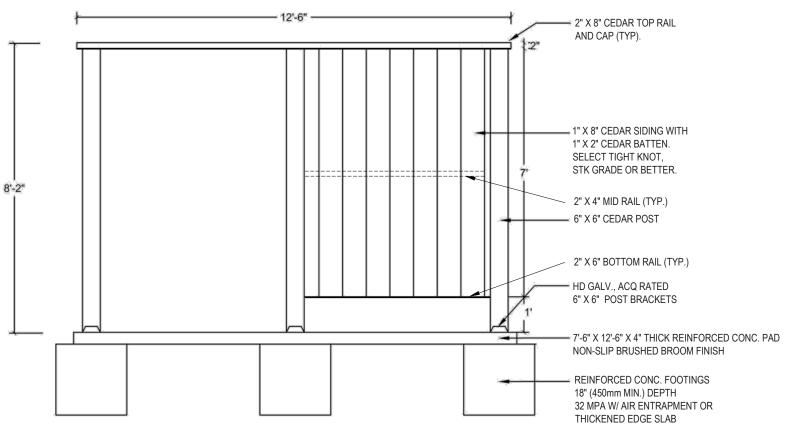
Scale: NOTED





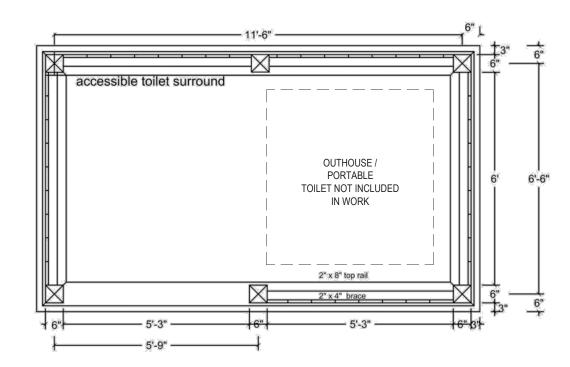
CHAIN LINK FENCE

NTS



# ELEVATION: SURROUND

CONC. PAD SHOULD BE LEVEL WITH WALKWAY/TRAIL SURFACE (LESS THAN ½" LIP)
 ALL HARDWARE AND FASTENERS TO BE CORROSION RESISTANT (HDS OR BETTER)



PLAN VIEW: SURROUND

6 PORTABLE TOILET SURROUND
PORTABLE TOILET NOT INCLUDED IN WORK NTS

HUXLEY COMMUNITY PARK

DETAILS & PRODUCT INFO.



LANDSCAPE STRUCTURES INC WOOD GRAIN BENCH MODEL #186583

- RECYCLED, WOOD-GRAIN POLYETHYLENE, CEDARWITHOUT BACK
- WITHOUT BACK
   WITHOUT ARM RESTS
- 70" LENGTH
   STEEL BENCH FRAME IN GREY COLOR TO MATCH LITTER RECEPTACLE BASE (SEE D7 BELOW), POWDER COATED FINISH.
- SURFACE MOUNT BENCH ON REINFORCED CONC. PAD, 6" (150MM) MIN. DEPTH, NON-SLIP BROOM FINISH.
   SEE LAYOUT PLAN FOR LOCATION FOR CONC. PAD SIZE.
- 6" (150MM) DEPTH GRANULAR BASE, 95% COMPACTION UNDER CONC. PAD.

DENCH

5 BENCH

LANDSCAPE STRUCTURES INC.
CONTACT:
Habitat Systems Inc.
Tel: (604) 294-4224 | Fax: (604) 294-4002
Cell: (604) 319-6499
Toll Free: 1-866-HABITAT (422-4828)
www.habitat-systems.com



TENDERTUFF LITTER RECEPTACLE - 141685
Supply (1) 141685, Surface Mount or Direct Bury, Lid: Lagoon, Base: Gray LANDSCAPE STRUCTURES INC.

7

LITTER RECEPTACLE

ON 2.4 x 1.2m x 0.1m REINFORCED CONC. PAD NON-SLIP BROOM FINISH

Seal

Copyright Reserved. This drawing is, and shall remain the exclusive property Gemella Design Inc. and may not be used without the written consent of J. Gemella, Landscape Architect.



www • gemelladesign • com
Tel: 250.591.1976
E: jessica@shawbiz.ca

Issues & Revisions

 No.
 Date
 Details

 #
 D/M/YEAR
 1

 1
 08 05 2015
 50% REVIEW PACKAGE

 2
 08 05 2017
 PRE-TENDER REVIEW

 3
 04 07 2017
 ISSUED FOR TENDER REVIEW

 4
 07 07 2017
 ISSUED FOR TENDER

Project: HCP15

Date: JULY 2017

Drawn: JG Checked: JG

Scale: NOTED

Drawing No: HCP15 - L6