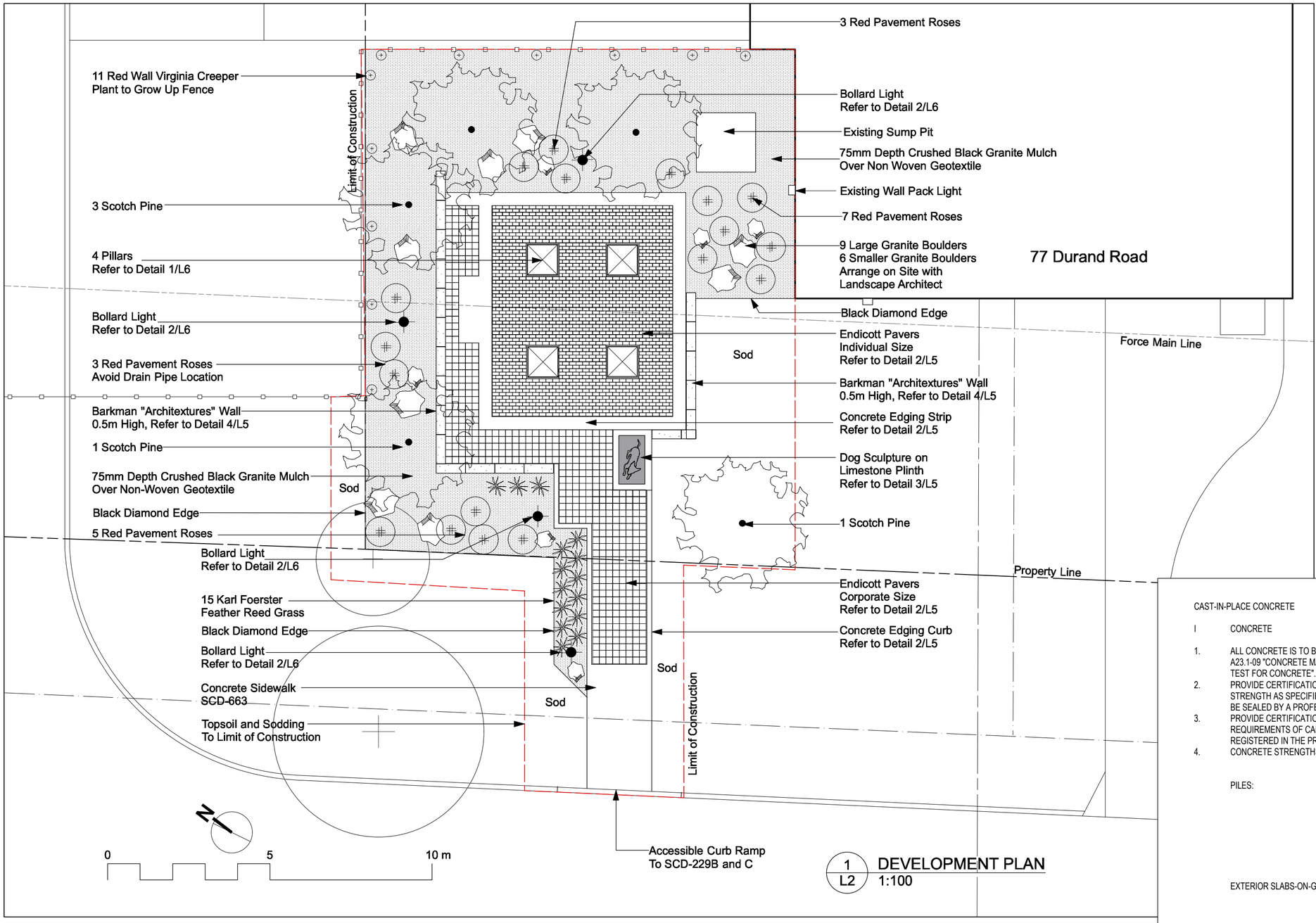
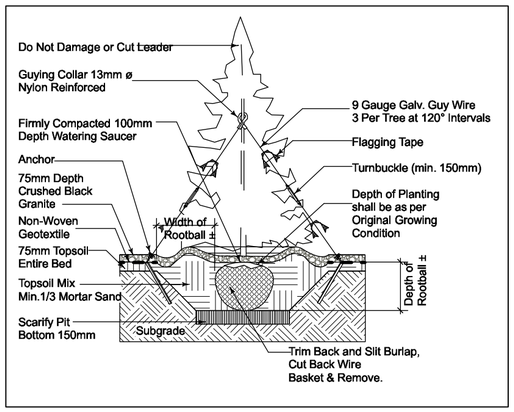
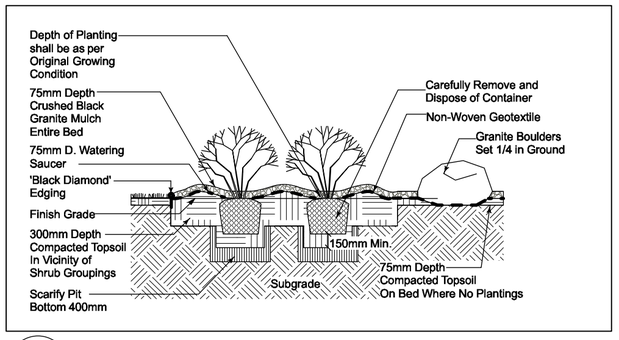


1 L2 DEVELOPMENT PLAN
1:100



3 L2 CONIFEROUS TREE PLANTING DETAIL
NTS

PLANT SPECIFICATION LIST		
All Dimensions Minimum Size		
Quantity	Name	Size, Remarks
15	Calamagrostis x acutiflora /	3 Gal. Container
	Karl Foerster Feather Reed Grass	
18	Rosa x 'Scarlet Pavement' /	3 Gal. Container, Min. 4 Basal Stems, 18-24" Ht.
	Scarlet Pavement Rose	
11	Parthenocissus quinquefolia	Potted, plant and fasten to each fence post
	Troki' / Red Wall Virginia Creeper	
5	Pinus sylvestris / Scotch Pine	12' Heights, Single leader, evenly branched all sides,
		Wire Basket, Specimen



2 L2 SHRUB PLANTING AND BED DETAIL
NTS

CAST-IN-PLACE CONCRETE

I CONCRETE

1. ALL CONCRETE IS TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF CAN/CSA-A23.1-09 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" AND CAN/CSA-A23.2-09 "METHOD OF TEST FOR CONCRETE".
2. PROVIDE CERTIFICATION THAT MIX PROPORTIONS SELECTED WILL PRODUCE CONCRETE OF QUALITY, YIELD AND STRENGTH AS SPECIFIED IN CONCRETE MIXES, AND WILL COMPLY WITH CAN/CSA-A23.1. CERTIFICATION LETTER TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA.
3. PROVIDE CERTIFICATION THAT PLANT, EQUIPMENT, AND MATERIALS TO BE USED IN CONCRETE COMPLY WITH REQUIREMENTS OF CAN/CSA-A23.1. CERTIFICATION LETTER TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA.
4. CONCRETE STRENGTHS AT 28 DAYS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

PILES:
32 MPa MIN. AT 56 DAYS
CLASS OF EXPOSURE: S-2
ENTRAINED AIR/CATEGORY: 2 (4% TO 7%)
CEMENT TYPE: HS
AGGREGATE: MAX. 20 mm
CURING TYPE: TYPE 1 - BASIC
SLUMP: MIN. 120 mm

EXTERIOR SLABS-ON-GRADE:
32 MPa MIN. AT 28 DAYS
CLASS OF EXPOSURE: C-2
ENTRAINED AIR/CATEGORY: 1 (5% TO 8%)
AGGREGATE MAX. 20 mm
CURING TYPE: TYPE 1 - BASIC

UNLESS INDICATED OTHERWISE THE GENERAL CONTRACTOR CONTRACTOR SHALL SPECIFY CONCRETE SLUMP APPROPRIATE WITH PLACEMENT METHODS AND SITE CONDITIONS. THE GENERAL CONTRACTOR CONTRACTOR SPECIFIED SLUMP MUST BE SHOWN ON THE CERTIFICATION LETTER AND CONCRETE DELIVERY TICKET.

5. UNLESS NOTED OTHERWISE CONCRETE CURING TO CONFORM TO THE LATEST EDITION OF CAN/CSA-A23.1-09 AS FOLLOWS:
   A) TYPE 1 – BASIC: 3 DAYS ≥ 10°C AND FOR A TIME NECESSARY TO ATTAIN 40% OF THE SPECIFIED STRENGTH.
   B) TYPE 2 – ADDITIONAL: 7 DAYS ≥ 10°C AND FOR A TIME NECESSARY TO ATTAIN 70% OF THE SPECIFIED STRENGTH.
   C) TYPE 3 – EXTENDED: 7 DAYS WET CURING ≥ 10°C.
6. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C260/C260M-10a "STANDARD SPECIFICATION FOR AIR ENTRAINING ADMIXTURES FOR CONCRETE". SUPERPLASTICIZING ADMIXTURES SHALL CONFORM TO ASTM C494/C494M "STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE" OR ASTM C1017/C1017M "STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR USE IN PRODUCING FLOWING CONCRETE" WHEN FLOWING CONCRETE IS APPLICABLE. AIR ENTRAINED ADMIXTURES TO HAVE A DURABILITY FACTOR GREATER THAN 75, WHEN TESTED TO ASTM STANDARDS C666/C666M PROCEDURE A. SPACING FACTOR FOR ANY AIR ENTRAINING ADMIXTURE MUST BE 0.17mm OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C457 "STANDARD TEST METHOD FOR MICROSCOPICAL DETERMINATION OF PARAMETERS OF THE AIR-VOID SYSTEM IN HARDENED CONCRETE".

Location of underground structures as shown are based on the best information available but no guarantee is given that all existing utilities are shown or that the given locations are exact. Confirmation of existence and exact location of all services must be obtained from the individual utilities before proceeding with construction.

DO NOT SCALE DRAWING - PLOT MAY NOT BE AT 100%

DAVID WAGNER ASSOCIATES INC.
317 LAIDLAW BLVD • WINNIPEG MB • R3P 0K5 • 204-783-1810

NO.	REVISION / NOTE:	DATE	BY
2			
1			
0	Released for Tender	05.10.23	DW

PROJECT
WPS Canine Memorial Garden
Winnipeg Police Service - K9 Unit
77 Durand Road
Winnipeg, MB

SCALE 1:100
DATE October 5, 2023
DRAWN BY DW/LLW
CHECKED BY DW
PROJECT NO. 1816 - 23

DRAWING TITLE
DEVELOPMENT PLAN

SHEET NO. L2