



















NOTES

1. PLANT MATERIAL AND CONSTRUCTION METHODS SHALL MEET OR EXCEED B.C.L.N.A. STANDARDS.

2. ALL SOFT LANDSCAPE AREAS SHALL BE WATERED BY A FULLY AUTOMATIC TIMED UNDERGROUND IRRIGATION SYSTEM.

3. TREE AND SHRUB BEDS TO BE DRESSED IN A MINIMUM 50mm WOOD MULCH.
DO NOT PLACE WEED MAT UNDERNEATH TREE AND SHRUB BEDS.

4. TREE AND SHRUB BEDS TO RECEIVE A MINIMUM 300mm DEPTH TOPSOIL PLACEMENT.

5. TURF AREAS FROM SOD SHALL BE NO. 1 GRADE GROWN FROM CERTIFIED SEED OF IMPROVED CULTIVARS REGISTERED FOR SALE IN B.C. AND SHALL BE TOLERANT OF DROUGHT CONDITIONS. A MINIMUM OF 100mm DEPTH OF GROWING MEDIUM IS REQUIRED BENEATH TURF AREAS. TURF AREAS SHALL MEET EXISTING GRADES AND HARD SURFACES FLUSH.

BOTANICAL NAME	COMMON NAME	QTY	SIZE/SPACING & REMARKS
TREES			
ACER GRISEUM	PAPERBARK MAPLE	3	6cm CAL.
ABIES BALSAMEA	BALSAM FIR	1	6cm CAL.
POPULUS TREMULOIDES	TREMBLING ASPEN	6	6cm CAL.
SYRINGA RETICULATA	JAPANESE TREE LILAC	1	6cm CAL.
TILIA CORDATA	LITTLELEAF LINDEN	13	6cm CAL.
SHRUBS			
EUONYMUS ALATUS 'COMPACTA'	DWARF BURNING BUSH	124	#01 CONT. /1.0M O.C. SPACING
FORSYTHIA INTERMEDIA 'COURDEAU'	GOLDEN PEEP FORSYTHIA	86	#01 CONT. /1.2M O.C. SPACING
SPIRAEA JAPONICA 'GOLDFLAME'	GOLDFLAME SPIREA	124	#01 CONT. /1.0M O.C. SPACING
SYMPHORICARPOS ALBUS	SNOWBERRY	38	#01 CONT. /1.8M O.C. SPACING
PINUS MUGO	MUGO PINE	86	#01 CONT. /1.2M O.C. SPACING
PERENNIALS & GRASSES			
ACHILLEA FILIPENDULINA 'CLOTH OF GOLD'	CLOTH OF GOLD YARROW	54	#01 CONT. /0.75M O.C. SPACIN
ARRHENATHERUM E. BULBOSUM 'VARIEGATUM'	BULBOUS OAT GRASS	83	#01 CONT. /0.6M O.C. SPACING
CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	30	#01 CONT. /1.0M O.C. SPACING
CAREX MORWOII 'ICE DANCE'	ICE DANCE SEDGE	120	#01 CONT. /0.5M O.C. SPACING
DIGITALIS PURPUREA	FOXGLOVE	54	#01 CONT. /0.75M O.C. SPACIN
ECHINACEA PURPUREA 'MAGNUS'	PURPLE CONEFLOWER	54	#01 CONT. /0.75M O.C. SPACIN
HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	83	#01 CONT. /0.6M O.C. SPACING
HOSTA 'HALCYON'	HALCYON HOSTA	30	#01 CONT. /1.0M O.C. SPACING
LAVANDULA ANGUSTIFOLIA 'HIDCOTE'	ENGLISH LAVENDER	30	#01 CONT. /1.0M O.C. SPACING
MONDARDA DIDYMA	BEEBALM	54	#01 CONT. /0.75M O.C. SPACIN
NEPETA X FAASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	30	#01 CONT. /1.0M O.C. SPACING
PHLOX PANICULATA	SUMMER PHLOX	54	#01 CONT. /0.75M O.C. SPACIN
RUDBECKIA FULGIDA 'GOLDSTURM'	GOLDSTURM BLACK EYED SUSAN	83	#01 CONT. /0.6M O.C. SPACING
SALVIA NEMOROSA 'MAY NIGHT'	MAY NIGHT SALVIA	54	#01 CONT. /0.75M O.C. SPACIN



206 - 1889 Spall Road Kelowna, BC V1Y 4R2 T (250) 868-9270 www.outlanddesign.ca



PROJECT TITLE

PROVIDENCE BOULEVARD

Kelowna, BC

DRAWING TITLE

ISSUED FOR / REVISION

1 17.09.28

CONCEPTUAL LANDSCAPE PLAN

PROJECT NO	17-105	
DESIGN BY	NG	
DRAVVN BY	NG	
CHECKED BY	FB	
DATE	DEC. 4, 2017	
SCALE	1:200	

CEVI



DRAWING NUMBER

1/2

ISSUED FOR REVIEW ONLY

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IRRIGATION NOTES

ZONE #8: LOW VOLUME POP-UP SPRAYHEADS FOR TURF AREA

ESTIMATED ANNUAL WATER USE: 167 cu.m.

1. IRRIGATION PRODUCTS AND INSTALLATION METHODS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE WATER USE REGULATION BYLAW NO. 10480 AND THE SUPPLEMENTARY SPECIFICATIONS IN THE CITY OF KELOWNA BYLAW 7900 (PART 6,

2. THE IRRIGATION SYSTEM SHALL MEET THE REQUIREMENTS, REGULATIONS, AND BYLAWS OF THE WATER PURVEYOR.

3. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTION DEVICE, WATER METER, AND SHUT OFF VALVE LOCATED OUTSIDE THE BUILDING ACCESSIBLE TO THE CITY.

4. AN APPROVED SMART CONTROLLER SHALL BE INSTALLED. THE IRRIGATION SCHEDULING TIMES SHALL UTILIZE A MAXIMUM ET VALUE OF 7" / MONTH (KELOWNA JULY ET), TAKING INTO CONSIDERATION SOIL TYPE, SLOPE, AND MICROCLIMATE.

5. DRIP LINE AND EMITTERS SHALL INCORPORATE TECHNOLOGY TO LIMIT ROOT INTRUSION.

6. IRRIGATION SLEEVES SHALL BE INSTALLED TO ROUTE IRRIGATION LINES UNDER HARD SURFACES AND FEATURES.

7. IRRIGATION PIPE SHALL BE SIZED TO ALLOW FOR A MAXIMUM FLOW OF 1.5m /SEC.

8. A FLOW SENSOR AND MASTER VALVE SHALL BE CONNECTED TO THE CONTROLLER AND PROGRAMMED TO STOP FLOW TO THE SYSTEM IN CASE OF AN IRRIGATION WATER LEAK.

WATER CONSERVATION CALCULATIONS

LANDSCAPE MAXIMUM WATER BUDGET (WB) = 2,294.m. / year ESTIMATED LANDSCAPE WATER USE (WU) = 2,066 cu.m. / year WATER BALANCE = 228 cu.m. / year

*REFER ATTACHED IRRIGATION APPLICATION FOR DETAILED CALCULATIONS



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DRAWING TITLE

WATER CONSERVATION & IRRIGATION PLAN

1	17.09.28	Review
2	17.12.04	Development Permit
3		
4		
5		

PROIECT NO	17-105
PROJECT NO	17-103
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