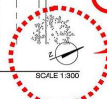


NOTE:
ALL AREAS IN CITY OF EDMONTON
BOLLINGERS DRAINAGE BASIN
CONSTRUCTORS TO REEZE SOD
ON 150mm DEPTH COMPACTED
CLASS B TOPSOIL TYPICAL.

ALL BILLABLE QUANTITIES FOR
CONSTRUCTION OF LANDSCAPE PLAN TO
BE PROVIDED IN METRIC WITHIN LEGEND

ALL LABELS SHOULD BE CLEAR,
MAKING THE PLANTS/OBJECTS
EASILY IDENTIFIABLE

SCALE MUST BE IN
METRIC, OF 1:300
OR LARGER



1 LANDSCAPE PLAN

LEGEND

- 500 ON 150mm DEPTH COMPACTED CLASS B TOPSOIL (CITY 24687)
- PLANTING BED CONSTRUCTION (INCLUDES EXCAVATION TO 300mm DEPTH AND INSTALLATION OF CLASS B TOPSOIL AND 100mm MULCH) (CITY 4267)
- 1.8m HEIGHT TYPICAL SCREEN FENCE (FROM LENGTH)
- BASE ROCK (CITY 3)
- GARBAGE RECEPTACLE (CITY 1)
- LIGHT FIXTURE (CITY 18)

LEGAL DESCRIPTION

LOT: 48
BLK: 42
PLAN: 112 0456
CITY OF EDMONTON

MUNICIPAL ADDRESS

SAVARYN DRIVE SW
EDMONTON, ALBERTA

GENERAL NOTES

FOR SITE GRADING REFER TO ENGINEERS DRAWINGS.
FOR EXACT LOCATION OF ALL UNDERGROUND SHADOWS AND DEEP UTILITIES REFER TO ENGINEERS DRAWINGS.

LANDSCAPE REQUIREMENTS

LANDSCAPED YARD CALCULATION
ZONING: EB - ELLERSLIE INDUSTRIAL BUSINESS ZONE
NORTH YARD: 6.0m x 76.0m = 456.0 sqm
WEST YARD: 6.0m x 63.20m = 379.20 sqm
SOUTH YARD: 6.0m x 152.0m = 912.00 sqm
TOTAL REQUIRED YARD: 1835.64 sqm

ONE TREE FOR EACH 25.00sqm OF REQUIRED YARD.
ONE SHRUB FOR EACH 15.00sqm OF REQUIRED YARD.

PARKING AREA ISLAND CALCULATION
TOTAL PARKING STALLS REQUIRED: 101 STALLS
TOTAL PARKING AREA ISLANDS FOR 101 REQUIRED STALLS: 202.00 sqm
ONE TREE FOR EACH 20.00sqm OF REQUIRED PARKING AREA ISLAND.
ONE SHRUB FOR EACH 10.00sqm OF REQUIRED PARKING AREA ISLAND.

PLANTING CALCULATION

TOTAL REQUIRED YARD:	1835.64 sqm
NO. OF REQUIRED TREES:	73
TOTAL REQUIRED ISLAND AREA:	202.00 sqm
NO. OF REQUIRED SHRUBS:	21
TOTAL NO. OF REQUIRED TREES:	94
TOTAL NO. OF REQUIRED SHRUBS:	21
TOTAL NO. OF REQUIRED PERENNIALS:	556

PLANTING SCHEDULE

TOTAL	BOTANICAL NAME	COMMON NAME	COMMENTS
4	<i>Asclepias tuberosa</i>	Orange Milkweed	75 mm cal. min., 4.0 m ht. min. b. & b.
12	<i>Asclepias tuberosa</i> 'Purple'	Purple Milkweed	75 mm cal. min., 3.5 m ht. min. b. & b.
6	<i>Fuchsia sp.</i>	Fuchsia	75 mm cal. min., 4.0 m ht. min. b. & b.
16	<i>Quercus macrocarpa</i>	White Oak	50 mm cal. min., 2.5 m ht. min. b. & b.
13	<i>Ulmus americana</i> 'Weinold'	White Elm	75 mm cal. min., 4.0 m ht. min. b. & b.
9	<i>Larix laricina</i>	Siberian Larch	3.5 m ht. min. b. & b.
14	<i>Pinus strobus</i>	White Spruce	3.5 m ht. min. b. & b.
20	<i>Pinus contorta</i> 'latifolia'	Lodgepole Pine	2.5 m ht. min. b. & b.
78	<i>Physocarpus opulifolius</i> 'Dart's Gold'	Dart's Gold	60 cm ht. min., 2 major bough branches (2 sq. ft.)
82	<i>Physocarpus opulifolius</i> 'Little Leaf'	Little Leaf	60 cm ht. min., 2 major bough branches (2 sq. ft.)
21	<i>Spiraea bumalda</i> 'Goldflame'	Goldflame Spirea	60 cm ht. min., 2 major bough branches (2 sq. ft.)
67	<i>Jurinea horizontalis</i> 'Narrow'	Narrow Blue Juniper	80 cm spread min., potted (5 sq. ft.)
18	<i>Jurinea horizontalis</i> 'Narrow'	Narrow Blue Juniper	80 cm spread min., potted (5 sq. ft.)
20	<i>Pinus mugo</i> 'Slovenska'	Slovenska Mugo Pine	80 cm spread min., potted (5 sq. ft.)
PERENNIALS	556	<i>Colobryzaria occidentalis</i>	1 gal. pot
		<i>Yucca foeniculata</i>	

COMMENTS

- 60 cm ht. min., 2 major bough branches (2 sq. ft.)
- 80 cm spread min., potted (5 sq. ft.)
- 80 cm spread min., potted (5 sq. ft.)

REQUIRED LANDSCAPING COUNTS ARE
CALCULATED AS PER EDMONTON ZONING
BYLAW SECTION 55

PLANT CALIPER, HEIGHT, OR SPREAD
MUST BE PROVIDED AS PER
REQUIREMENTS WITHIN EDMONTON
ZONING BYLAW SECTION 55

PROJECT NAME AND COMMUNITY HERE	APPLICANT LOGO HERE	LANDSCAPE PLAN & NOTES SCALE AS SHOWN 10/04/17	REVISIONS	DATE	REVISIONS	DATE	LANDSCAPE ARCHITECT STAMP HERE	LANDSCAPE ARCHITECT LOGO AND CONTACT INFO HERE
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TREE PLANTING SETBACKS

TREES SHALL BE SET BACK A MINIMUM DISTANCE MEASURED FROM THE CENTRE OF THE TREE TRUNK, FROM ABOVE AND BELOW GRADE UTILITIES AND PROPER LINES AS FOLLOWS:

- DISTANCE FROM LIGHT STANDARDS/POWER LINES: 3.0m
- DISTANCE FROM FIREWORKS: 3.0m
- DISTANCE FROM STOP SIGNS: 3.0m
- DISTANCE FROM FIELD ZONES: 3.0m
- DISTANCE FROM TRAMP ZONES: 3.0m
- DISTANCE FROM POWER ZONES ON HIGHWAY ROW: 2.0m
- DISTANCE FROM PRIVATE PROPERTY ON OPEN PARCEL: 1.0m
- DISTANCE FROM PRIVATE PROPERTY ON BOUNDARY: 1.0m
- DISTANCE FROM SHALLOW UNDERGROUND UTILITIES: 1.0m
- DISTANCE FROM GAS AND GAS BODIES OF CONTRACT UTILITY: 1.0m
- DISTANCE FROM DEEP UNDERGROUND UTILITIES: 1.0m
- DISTANCE FROM SANITARY AND STORM SEWERS: 1.0m
- DISTANCE TO SANITARY AND STORM SEWERS/HANDHOLES: 1.0m
- DISTANCE FROM WATER MAINS: 1.0m

DISTANCES FROM OVERHEAD POWER UTILITIES SHALL BE AS PER THE REQUIREMENTS ESTABLISHED BY THE UTILITY AUTHORITY.

WHERE POSSIBLE, LANDSCAPE IMPROVEMENTS AND PLANT MATERIALS ARE SUGGESTED TO HAVE INCREASED SETBACKS FROM UTILITIES.

IN THE EVENT A MINIMUM CLEARANCE OF 1.0m MAY NOT BE MAINTAINED FROM THE EDGE OF THE EXCAVATION BY THE TREE STAKE, THE INVOLVED UTILITY MUST BE CONTACTED FOR APPROVAL AND/OR SAFETY PROCEDURES, E.G. BY HAND DIGGING.

DISTANCE FROM LOW, MEDIUM AND HIGH-PRESSURE PIPELINES AS TO BE OBSERVED AS DICTATED BY THE PIPELINE AUTHORITY.

SETBACK DISTANCES APPLY TO ALL TREE AND SHRUB FORM SHEDS, OFFICES WITH SUCKERING ROOT SYSTEMS OF LARGE WINDING BRANCHES MAY REQUIRE INCREASED SETBACKS, E.G. POPLARS AND WILLAR REFER TO SECTION 8.4.1 OF THE CITY OF EDMONTON DESIGN AND CONSTRUCTION STANDARDS.

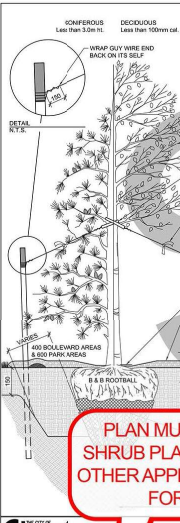
SOD MIX & NOTES

CERTIFIED "CANADA #1" TURF SOG WITH STRONG ROOT SYSTEM, THICK AND ACTIVE GROWTH AND CUTTING SOG MUST BE FREE OF STONES, BURNED LAY OF SOG BRICKS, TEES AND DEBRIS. MUST CUT IN STRIPS OF UNIFORM WIDTH AND THICKNESS AND OF THE FOLLOWING MIX OF APPROVED EQUAL:

- 50% TOUCHWOOD KENTUCKY BLUE GRASS
- 40% KENTUCKY BLUE GRASS
- 10% CREEPING RED FESCUE

NOTES:

- ALL COMPONENTS AND DIMENSIONS TO CONFORM TO SPECIFICATION SECTION 8.000 (TREES, SHRUBS AND SPRINGS) AS WELL AS THE RELATED SECTION 8.010 (LANDSCAPE UTILITIES) REFERRED TO IN THE STAKES INTO DIRECTION OF PREVAILING WINDS OR IF IN THE SOIL DURING THE STAKES SHALL BE IN LINE WITH THE TRUNK.
- ALL TREE STAKES TO MAINTAIN MINIMUM 1.0m CLEARANCE FROM ALL POWER, TELEPHONE AND GAS ALIQUANTS.
- ALL ROOT HOLES BY HAND WHEN CLOSER THAN 1.0m TO GAS POWER, TELEPHONE AND GAS ALIQUANTS REFER TO SECTION 7.2 AND 7.3 WHEN CLEARANCE CANNOT BE MAINTAINED FOR ANY EXCAVATIONS.
- ALL DIMENSIONS IN MILLIMETERS.
- PRUNE DEAD, BROKEN, STUBS & DISEASED TREE LIMBS.
- RUBBER HOSE, 10mm OR APPROVED EQUAL, POSITION AT APPROX. 30 CM HT. FOR ALL TREES.
- FLUORESCENT ORANGE FLAGGING ON ALL 0.9M VERTICES.
- GALVANIZED STEEL WIRE NO. 12 MIN. SIZE.
- VERTICAL STAKES PER TREE:
 - 3 TREE STAKES MIN. 2.0m LENGTH (PRINTED) OR 2.5m LENGTH (FINISHED HOLES) (1 1/2" X 1 3/8" I") OR TEES IN HOLES.
- FRAMES 1.8m HIGHT.
- TREE STAKES SET MIN. 600mm INTO UNDISTURBED SOIL.
- TOP 300mm OF ALL TREE STAKES TO BE PAINTED TO MATCH ANNUAL COLOUR CODES.
- LARGE TREES TO HAVE 3-4 STAKES.
- TOP OF ROOT BALL & ROOT FLARE TO BE 40mm ABOVE FINISHED GRADE.
- 100mm MIN. WOOD MULCH.
- REFRESH SPECIFICATION (SOD) MULCHES OVER EXPOSED ROOT BALL & 100mm MIN. WOOD MULCH TO EXTEND 150mm BEYOND EDGE OF ROOT BALL.
- RE-ESTABLISH ANY DAMAGED SEEDBEDS TO CITY OF EDMONTON STANDARDS.
- 200mm WIDE X 150mm HIGH TOPSOIL BUMP TO HOLD IN WATER CENTRE.



Edmonton TYPICAL TREE INSTALLATION

DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.
DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.

1 | TYPICAL TREE PLANTING DETAIL

PLANTING NOTES

CONTRACTOR TO NOTIFY CONSULTANT FOR SELECTION OF ALL TREES AT LOCAL NURSERY. ALL TREES TO APPROVAL OF CONSULTANT.

ONLY HARDEST GROWN PLANT MATERIAL WILL BE ACCEPTED. ALL PLANTS MUST BE IN 1.8m HIGH BERRY BUSHES AND CONFORM TO STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION AND THE LANGSCAPE ALBERTA NURSERY TRADES ASSOCIATION.

PRIOR TO INSTALLATION OF TREES AND SHRUBS, THE CONTRACTOR SHALL ENSURE COMPENSATION FOR ALL PLANT MATERIAL TO HAVE REQUIRED SETBACK FROM UTILITIES. NO TREE STAKES WITHIN 1.0m OF POWER LINE.

PRIOR TO INSTALLATION OF TREES AND SHRUBS THE CONSULTANT WILL APPROVE STAKING OF ALL TREES AND SHRUBS. CONTRACTOR TO NOTIFY CONSULTANT AND PRIOR TO INSPECTION.

IF EXCAVATIONS ARE REQUIRED CLOSER THAN 1.0m TO UNDERGROUND POWER, PHONE, CABLE AND GAS ALIQUANTS, HAND DIGGING UNDER THE SUPERVISION OF THE AFFECTED UTILITY IS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT AND THE APPROPRIATE UTILITY TO APPROVE, REVIEW AND DEFINE SAFE PROCEDURES FOR THESE EXCAVATIONS.

SUBSTITUTION OF PLANT MATERIAL TO APPROVAL OF CONSULTANT.

ENSURE ALL TREES HAVE A STRONG SINGLE LEADER AND ARE STRAIGHT TRUNKED, NEELY GROWN TREES WITH A TYPICAL SHAPE.

TREES PLANTED IN STRAIGHT LINES WITH EQUAL SPACING WHERE APPROPRIATE.

ALL SHRUBS BERRY 6-7 x 300mm MIN. DEPTH LIGHTLY COMPACTED CLASS "B" TOPSOIL.

SHRUB SETBACK SHALL BE 500mm MIN. FROM EDGE OF SHRUB BED.

STORAGE AND WINDMILL PROTECTION ALUMINUM EDGING, INSTALLED AS PER MANUFACTURERS SPECIFICATIONS, BETWEEN SOG AND PLANTING BED OR SOG AND ROCK MULCH AREAS. EDGING TO BE STRAIGHT. NO EDGING IS REQUIRED FOR SINGLE TREES IN GRASS AREAS.

MULCH 100mm DEPTH MIN. SPECIFIED COMPOSTED WOOD MULCH FOR TREES, SHRUBS AND PERENNIAL BEDS. NO LANDSCAPE FABRIC PERMITTED FOR SPREADED WOOD MULCH AREAS UNLESS NOTED OTHERWISE.

IRRIGATION: LANDSCAPED AREAS ARE NOT IRRIGATED.

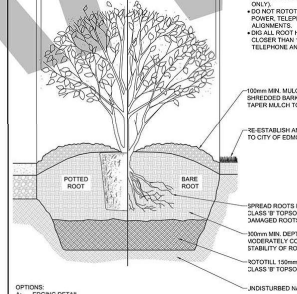
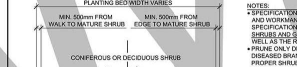
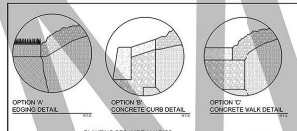
ALL LANDSCAPE CONSTRUCTION AND MAINTENANCE (MINIMUM 1 YEAR) TO BE COMPLETED BUT NOT LIMITED TO MINIMUM STANDARDS OF MOST RECENT EDITION OF CITY OF EDMONTON DESIGN AND CONSTRUCTION STANDARDS.

SEED MIX & NOTES

CERTIFIED "CANADA #1" TURF FREE OF STONES, BURNED LAY OF SOG BRICKS, TEES AND DEBRIS. MUST CUT IN STRIPS OF UNIFORM WIDTH AND THICKNESS AND OF THE FOLLOWING MIX OF APPROVED EQUAL:

- 50% TOUCHWOOD KENTUCKY BLUE GRASS
- 40% KENTUCKY BLUE GRASS
- 10% CREEPING RED FESCUE

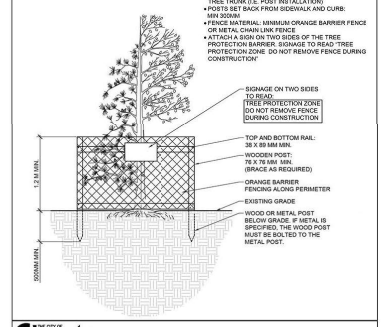
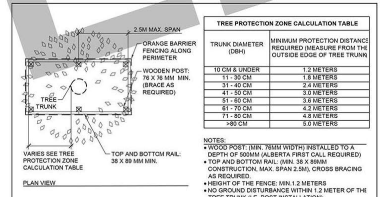
PARKE MAINTENANCE #1 SEED MIX: 50% TOUCHWOOD KENTUCKY BLUE GRASS 30% KENTUCKY BLUE GRASS 20% CREEPING RED FESCUE 20% FESCUE #1 PERENNIAL RYE GRASS



Edmonton TYPICAL SHRUB PLANTING

DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.
DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.

2 | TYPICAL SHRUB PLANTING DETAIL



Edmonton TREE PROTECTION ZONE

DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.
DATE: 2017	DATE: 2017	DATE: 2017
DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.	DESIGNED BY: N.T.S.
PLANNED BY: M.C.D.	PLANNED BY: M.C.D.	PLANNED BY: M.C.D.

3 | TYPICAL TREE HOARDING DETAIL

PROJECT NAME AND COMMUNITY HERE

APPLICANT LOGO HERE

LANDSCAPE PLAN & NOTES

SCALE AS SHOWN 10/04/2017

1 DEVELOPMENT PERMIT 10/04/17

LANDSCAPE ARCHITECT STAMP HERE

LANDSCAPE ARCHITECT LOGO AND CONTACT INFO HERE