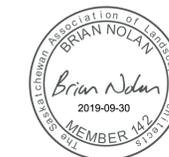


TENDER
NOT FOR CONSTRUCTION



NOTES:
FINAL LOCATION OF ALL LANDSCAPE WORKS WILL BE CONFIRMED ON SITE WITH THE DEPARTMENTAL REPRESENTATIVE.

Key Plan



Revision	Description	Date
E	Issued For Tender	19/09/30
D	Issued For 99% Review	19/06/21
C	Issued For 85% Review	19/03/15
B	Issued For 50% Review	18/11/13
A	Issued For Review	18/09/07

Public Works and Government Services Canada

Project title
Tunnel Revitalization

Designed by
B. Nolan
Drawn by
J. Green
Approved by
B. Wolfater
PWSSC Project Manager
J. Dayman
Drawing title

Package 1 - TBU43 - Above Ground
Landscape - Proposed
Details

Project no.	Drawing no.	Revision no.
1004259	L1.04	E

NOTES:
1. DEPENDING ON SITE CONDITIONS, AS WELL AS OTHER FACTORS, STAKING MAY NOT BE REQUIRED.
2. STAKES & WIRE ARE TO BE CLEAR OF BRANCHES
3. ENSURE TREES WATERED SAME DAY AS PLANTED
4. TREES TO BE TAGGED WITH CITY OF REGINA ID TAG - TAGS TO BE LOCATED ON SOUTH SIDE OF TREE ON LATERAL BRANCH - 150mm FROM GROUND (CONTACT CITY OF REGINA TO OBTAIN TAGS)
5. REMOVE ALL WRAPPING, FLAGGING TAPE & NURSERY TAGS
6. EXCAVATE TO DEPTH OF AT LEAST 200mm DEEPER THAN HEIGHT OF ROOT BALL, WITH WIDTH OF 750mm GREATER THAN DIAMETER OF ROOT BALL, IN HEAVY SOILS, INCREASE PLANTING HOLES BY 50mm FOR EACH 100mm OF ROOT BALL DIAMETER.

PREVAILING WINDS
STAKING PLAN

LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE PLANTING
CONIFEROUS TREE - B&B (PIT)
Designed By: RAY MORGAN
Date: 10-Aug-10
Scale: NTS
Approved: NTS
Digital File: LP-1C - Coniferous Tree Planting Detail - B&B Pit.dwg

TRUNK DIAMETER (DBH)	MINIMUM PROTECTION DISTANCE REQUIRED (MEASURE FROM THE OUTSIDE EDGE OF TREE TRUNK)
10 CM & UNDER	1.2 METERS
11 - 30 CM	1.8 METERS
31 - 40 CM	2.4 METERS
41 - 50 CM	3.0 METERS
51 - 60 CM	3.6 METERS
61 - 70 CM	4.2 METERS
71 - 80 CM	4.8 METERS
>80 CM	5.0 METERS

NOTES:
• WOOD POST: (MIN. 76MM WIDTH) INSTALLED TO A DEPTH OF 600MM (SASK FIRST CALL REQUIRED)
• TOP AND BOTTOM RAIL: (MIN. 38 X 89MM CONSTRUCTION, MAX. SPAN 2.5M), CROSS BRACING AS REQUIRED.
• HEIGHT OF THE FENCE: MIN. 1.2 METERS
• NO GROUND DISTURBANCE WITHIN 1.2 METER OF THE TREE TRUNK (I.E. POST INSTALLATION)
• POSTS SET BACK FROM SIDEWALK AND CURB: MIN. 300MM
• FENCE MATERIAL: MINIMUM ORANGE BARRIER FENCE OR METAL CHAIN LINK FENCE
• ATTACH A SIGN ON TWO SIDES OF THE TREE PROTECTION BARRIER. SIGNAGE TO READ "TREE PROTECTION ZONE DO NOT REMOVE FENCE DURING CONSTRUCTION"

PLAN VIEW
SIGNAGE ON TWO SIDES TO READ:
TREE PROTECTION ZONE DO NOT REMOVE FENCE DURING CONSTRUCTION

TOP AND BOTTOM RAIL: 38 X 89 MM MIN.
WOODEN POST: 76 X 76 MM MIN. (BRACE AS REQUIRED)
ORANGE BARRIER FENCING ALONG PERIMETER
EXISTING GRADE
WOOD OR METAL POST BELOW GRADE: IF METAL IS SPECIFIED, THE WOOD POST MUST BE BOLTED TO THE METAL POST.

Scale: N.T.S.

NOTE: CONCRETE FOOTINGS SHALL BE 25Mpa. STRENGTH

NOTE: STRAIN POSTS SHALL BE INSTALLED AT A SPACING OF 150mm OR LESS. THE FOOTINGS SHALL BE THE SAME FOR CORNER AND END POSTS. FENCING SHALL BE GALVANIZED STEEL.

NOTE: LOCATION OF OPENINGS TO BE DETERMINED ON SITE

LANDSCAPE CONSTRUCTION STANDARDS
MISCELLANEOUS DETAILS
CHAINLINK FENCE DETAIL
Designed By: MF
Date: 13-Aug-10
Scale: N.T.S.
Approved: MF
Digital File: LM-1B - Chainlink Fence Detail.dwg

NOTES:
1. STAKES & WIRE TO BE CLEAR OF BRANCHES
2. DEPENDING ON SITE CONDITIONS AS WELL AS OTHER FACTORS, STAKING MAY NOT BE REQUIRED
3. ENSURE TREES WATERED SAME DAY AS PLANTED
4. TREES TO BE TAGGED WITH CITY OF REGINA ID TAG - TAGS TO BE LOCATED ON SOUTH SIDE OF TREE ON LATERAL BRANCH - 150mm FROM GROUND (CONTACT CITY OF REGINA TO OBTAIN TAGS)
5. REMOVE ALL WRAPPING, FLAGGING TAPE & NURSERY TAGS

LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE PLANTING
DECIDUOUS TREE - B&B (PIT)
Designed By: RAY MORGAN
Date: 10-Aug-10
Scale: NTS
Approved: NTS
Digital File: LP-2C - Deciduous Tree Planting Detail - B&B Pit.dwg

1220mm CHAINLINK FENCE
LINE POSTS - 47mm OR 80mm X 1820mm
CORNER POSTS - 73mm OR 80mm X 2280mm
TOP RAILS - 33.3mm OR 42.2mm X 6700mm
LINE POST CAPS - 47mm OR 60mm
CORNER POST CAPS - 73mm OR 80mm
SLEEVES - 33.3mm OR 42.2mm
RAIL ENDS - 33.3mm OR 42.2mm
CENTRE BANDS - 47mm OR 60mm - FOR LINE POSTS
CENTRE BANDS - 73mm OR 80mm - FOR CORNER POSTS
OFFSET BANDS - 73mm OR 80mm - FOR CORNER POSTS
TENSION BARS - 1220mm

1830mm CHAINLINK FENCE
LINE POSTS - 47mm OR 80mm X 2070mm
CORNER POSTS - 73mm OR 80mm X 2500mm
TOP RAILS - 33.3mm OR 42.2mm X 6700mm
LINE POST CAPS - 47mm OR 60mm
CORNER POST CAPS - 73mm OR 80mm
SLEEVES - 33.3mm OR 42.2mm
RAIL ENDS - 33.3mm OR 42.2mm
CENTRE BANDS - 47mm OR 60mm - FOR LINE POSTS
CENTRE BANDS - 73mm OR 80mm - FOR CORNER POSTS
OFFSET BANDS - 73mm OR 80mm - FOR CORNER POSTS
TENSION BARS - 1830mm

NOTE:
CONCRETE FOOTINGS SHALL BE 25Mpa. STRENGTH. THE FOOTINGS SHALL BE THE SAME FOR CORNER AND END POSTS. FENCING SHALL BE GALVANIZED STEEL.

2440mm CHAINLINK FENCE
LINE POSTS - 60mm X 2380mm
CORNER POSTS - 80mm X 2900mm
TOP RAILS - 42.2mm X 6700mm
LINE POST CAPS - 60mm
CORNER POST CAPS - 80mm
SLEEVES - 42.2mm
RAIL ENDS - 42.2mm
CENTRE BANDS - 60mm - FOR LINE POSTS
CENTRE BANDS - 80mm - FOR CORNER POSTS
OFFSET BANDS - 80mm - FOR CORNER POSTS
TENSION BARS - 2440mm

LANDSCAPE CONSTRUCTION STANDARDS
MISCELLANEOUS DETAILS
CHAINLINK FENCE DETAIL
Designed By: MF
Date: 13-Aug-10
Scale: N.T.S.
Approved: MF
Digital File: LM-1A - Chainlink Fence Detail.dwg

METAL T-BAR STAKE (DO NOT PIERCE ROOTBALL) TREE STAKES SHALL BE NO HIGHER THAN HALF OF THE TOTAL HEIGHT OF THE TREE. REMOVE TREE STAKES AFTER ONE GROWING SEASON.

NO.12 WIRE WITH RUBBER HOSE AROUND TRUNK, OPENING 3x DIA OF TRUNK

TREE WRAP APPLIED TO A MIN HEIGHT OF 1M FOR RODENT DAMAGE PREVENTION - APPLIED AFTER SEPT 1 OF YEAR PLANTED - REMOVED IN MAY

100mm DEEP MIN. WATERING SAUCER (FOR ESTABLISHMENT YEAR ONLY)

ADD 75mm WOODCHIP MULCH IN TREE WELL ON UNIRRIGATED SITES ONLY

ROLL-BACK TOP 1/3 OF BURLAP - TOP OF WIRE BASKET ENSURING NO WIRE IS PRESENT IN TOP 200mm OF SOIL - AND ALL OF THE WIRE BASKET SHALL BE REMOVED FROM THE ROOT BALLS WHEN PLANTED

NOTES:
1. DEPENDING ON SITE CONDITIONS, AS WELL AS OTHER FACTORS, STAKING MAY NOT BE REQUIRED
2. TREES 50-150mm CALIPER TO BE STAKED x2
3. STAKES & WIRE ARE TO BE CLEAR OF BRANCHES
4. ENSURE TREES WATERED SAME DAY AS PLANTED
5. TREES TO BE TAGGED WITH CITY OF REGINA ID TAG - TAGS TO BE LOCATED ON SOUTH SIDE OF TREE ON LATERAL BRANCH - 150mm FROM GROUND (CONTACT CITY OF REGINA TO OBTAIN TAGS)
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7. EXCAVATE TO DEPTH OF AT LEAST 200mm DEEPER THAN HEIGHT OF ROOT BALL, WITH WIDTH OF 750mm GREATER THAN DIAMETER OF ROOT BALL, IN HEAVY SOILS, INCREASE PLANTING HOLES BY 50mm FOR EACH 100mm OF ROOT BALL DIAMETER.

LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE PLANTING
DECIDUOUS TREE - B&B (PIT)
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