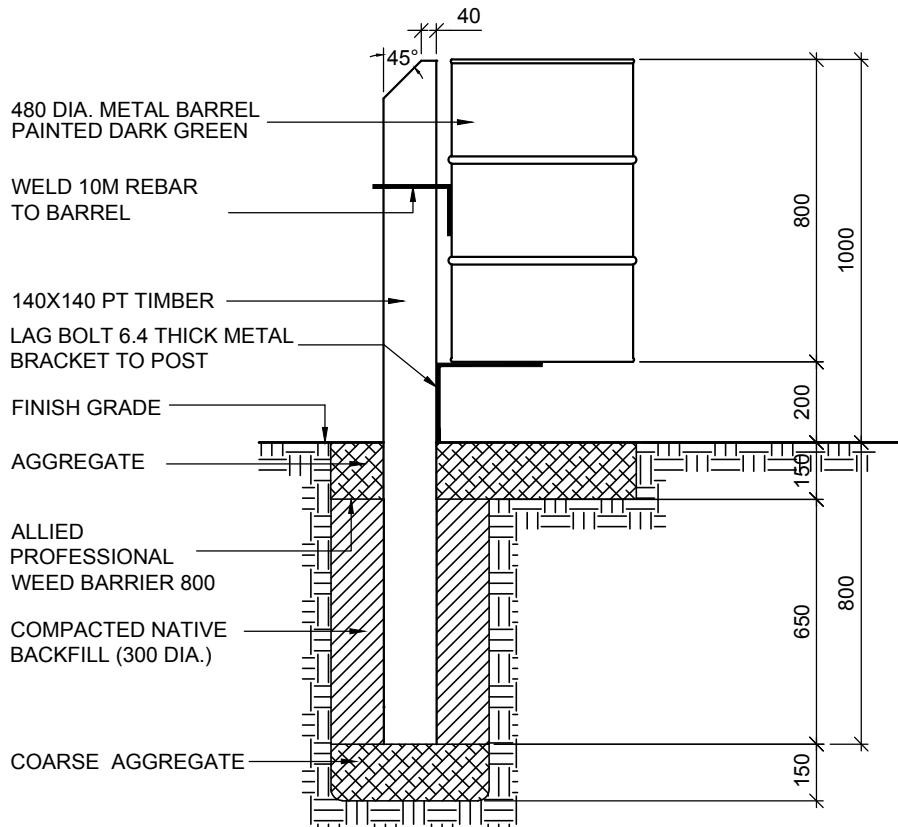
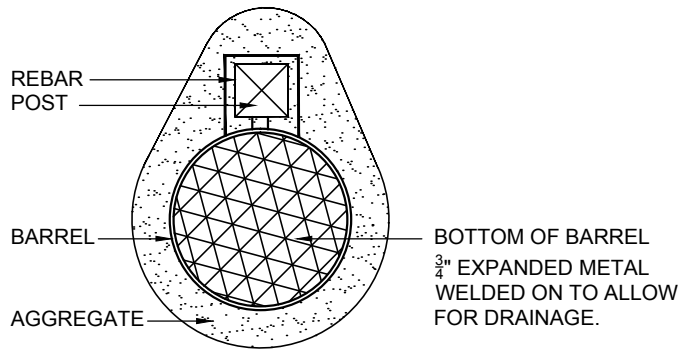


LF-1	Site Furnishings Trash Barrel With Stand	Feb/10
LF-2A	Site Furnishings Wood Bollard	Aug/10
LF-2C	Site Furnishings Removable Wood/Steel Bollard	Aug/10
LF-2D	Site Furnishings Removable Wood/Steel Bollard-Details	Aug/10
LF-3B	Site Furnishings Bench\Trash Bin Layouts	Feb/10
LF-3D	Site Furnishings Bench With Tactile Markings	Feb/10
LF-5A	Site Furnishings Tower Sign Detail	Aug/10
LF-5B	Site Furnishings Tower Sign Detail	Aug/10
LF-5C	Site Furnishings Tower Sign Detail	Aug/10
LF-6	Site Furnishings Light Standard	Feb/10
LF-7A	Site Furnishings Swing Gate Detail	Aug/10
LF-7B	Site Furnishings Swing Gate -Assembled	Aug/10
LF-7C	Site Furnishings Swing Gate Details	Aug/10
LF-7D	Site Furnishings Swing Gate Detail	Aug/10
LI-1	Irrigation - Low Voltage Elec. Splice Box	Feb/10
LI-2	Irrigation - Quick Coupler	Feb/10
LI-3A	Irrigation - Low Density Poly Swing Joint	Feb/10
LI-3B	Irrigation - Pre-Manufactured 'O-Ring' Swing Joint	Feb/10
LI-3C	Irrigation Triple Swing Joint	Feb/10
LI-4A	Irrigation 50mm or Less Electric Valve	Feb/10
LI-4B	Irrigation - Threaded 300 W.O.G Gate Valve-50mm or Less	Feb/10
LI-4C	Irrigation - Flange 300 W.O.G Gate Valve-75mm or Less	Feb/10
LI-4D	Irrigation - Flange 300 W.O.G Gate Valve-75mm or Greater	Feb/10
LI-5A	Irrigation - Control Box Pedestal Mounted	Aug/10

LI-5B	Irrigation Control Box Wall Mounted	Feb/10
LI-5C	Irrigation Control Box Interior Layout	Feb/10
LI-6	Irrigation Weeping Tile Cleanout Access Cylinder	Feb/10
LM-1A	Miscellaneous Details Chainlink Fence Detail	Feb/10
LM-1B	Miscellaneous Details Chainlink Fence Detail	Feb/10
LP-1	Landscape Planting B&B Tree in Tree Pit	Apr/25
LP-1E	Landscape Planting Coniferous Tree - Tree Spade	Feb/10
LP-2	Landscape Planting B&B Tree in Continuous Soil Trench (Median+ Sidewalk)	Apr/25
LP-2F	Landscape Planting Deciduous Tree Spade Detail	Feb/10
LP-3	Landscape Planting B&B Tree in Planting Bed	Jun/25
LP-4	Landscape Planting Shrubs, Perennials in Planting Bed	Apr/25
LP-5	Landscape Planting Sidewalk Tree Planting	Feb/10
LS-3A	Landscape Surface Timber Edge & Corner Detail	Feb/10
LS-3B	Landscape Surface Timber Edge & Corner Detail	Feb/10
LS-3C	Landscape Surface Above Grade Timber Edge & Corner	Feb/10
LS-6A	Landscape Surface Asphalt Pathway Detail (Type A)	Feb/10
LS-6B	Landscape Surface Asphalt Pathway Detail (Type B)	Feb/10
LS-7	Landscape Surface Pathway Ramp at Mid Block Crossing	Feb/10
LTP-1	Tree Protection Timber Hoarding	Nov/24
LTP-2	Tree Protection Barrier Fencing	Feb/25
LTP-3	Tree Protection Trunk Protection	Feb/25



SECTION

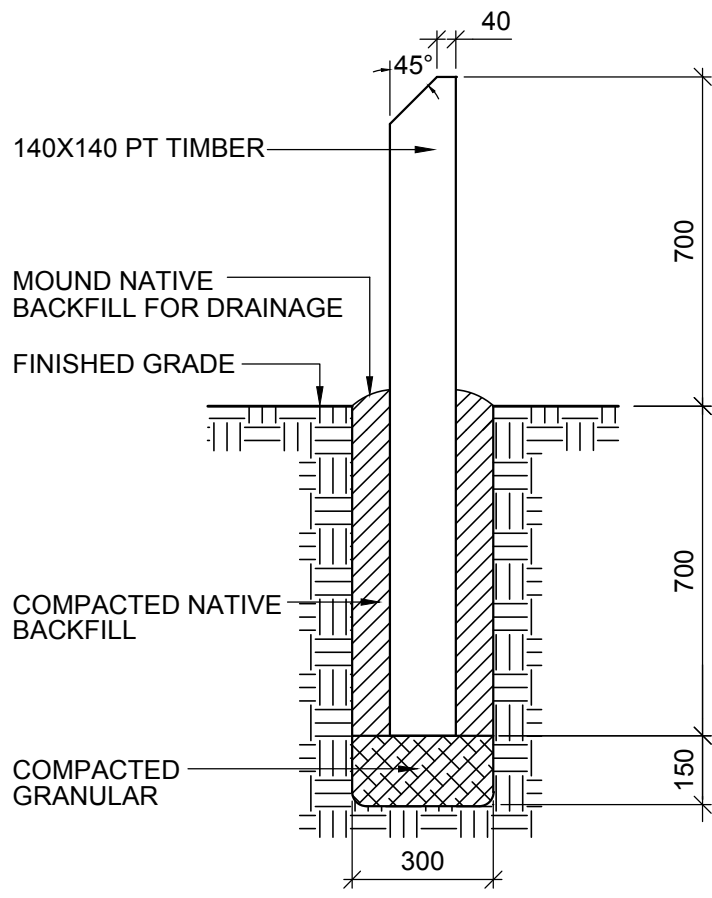


PLAN

Date	Revisions	By
Feb-2010	Chg to mesh bottom & paint color, titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
TRASH BARREL WITH STAND		
Designed By:	Approved:	
KEN KABATOFF		
Date	Scale	
5-Aug-10	NTS	LF-1
Digital File:	LF-1 - Trash Barrel With Stand.dwg	

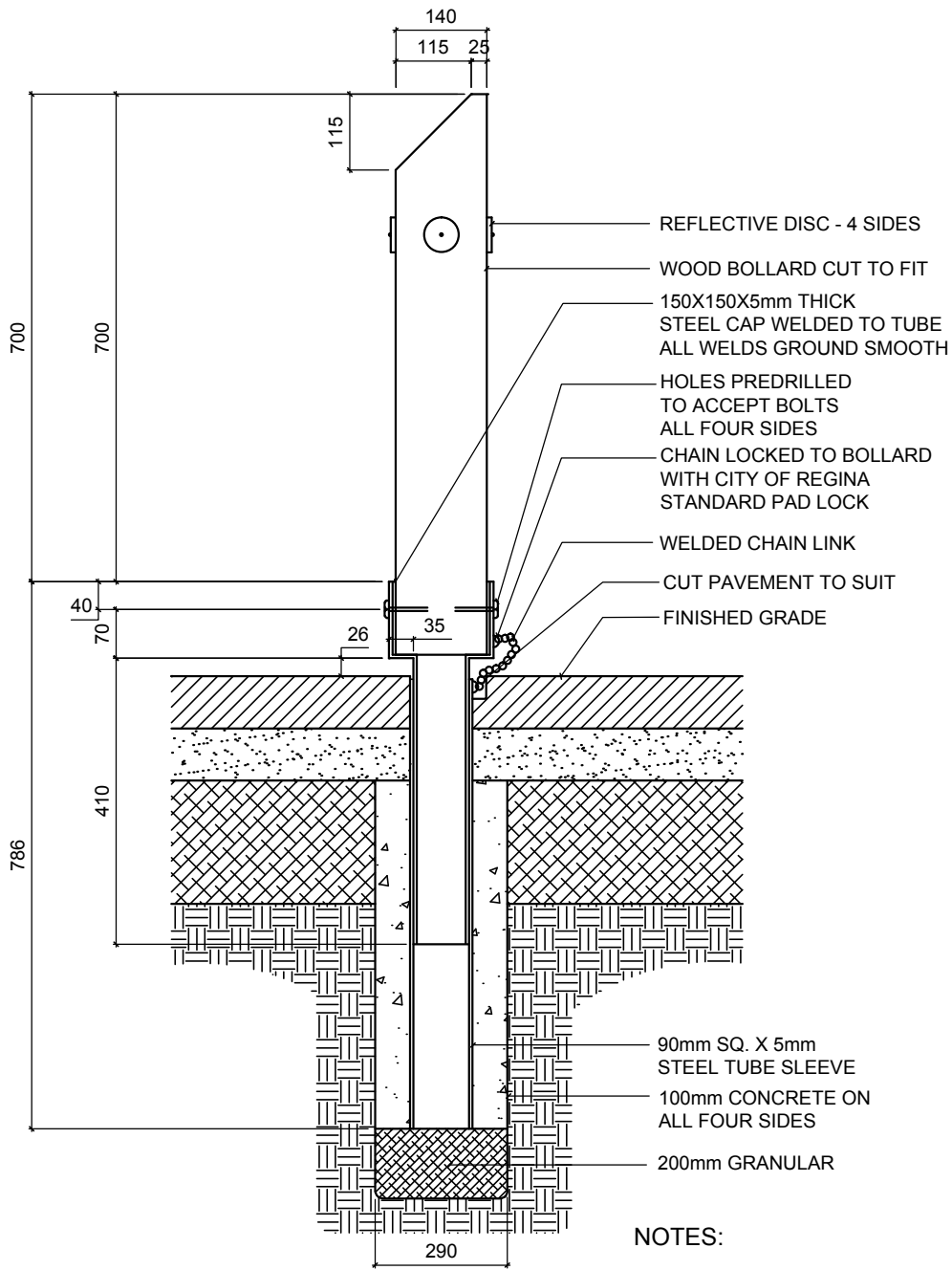


SECTION

Date	Revisions	By
Aug-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
WOOD BOLLARD (140X140X700)		
Designed By:	Approved:	
Date	Scale	LF-2A
12-Aug-10	N.T.S.	
Digital File: LF-2A - Wood Bollard 140x140x700.dwg		



SECTION
N.T.S.

- REFLECTIVE DISC - 4 SIDES
- WOOD BOLLARD CUT TO FIT
- 150X150X5mm THICK STEEL CAP WELDED TO TUBE ALL WELDS GROUND SMOOTH
- HOLES PREDRILLED TO ACCEPT BOLTS ALL FOUR SIDES
- CHAIN LOCKED TO BOLLARD WITH CITY OF REGINA STANDARD PAD LOCK
- WELDED CHAIN LINK
- CUT PAVEMENT TO SUIT
- FINISHED GRADE

- 90mm SQ. X 5mm STEEL TUBE SLEEVE
- 100mm CONCRETE ON ALL FOUR SIDES
- 200mm GRANULAR

NOTES:

ALL WELDS AND BENDS SHALL BE SMOOTH AND EVEN

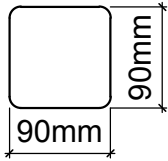
PAINT ALL PIECES WITH SEMI-GLOSS YELLOW TREMCLAD RUSTPROOFING

CONCRETE TO BE TYPE B 25mpa

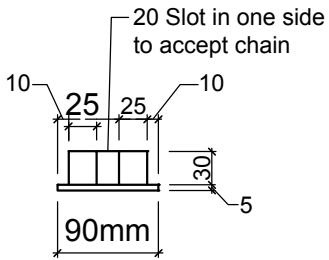
Date	Revisions	By
Aug-2010	Titleblock	MF



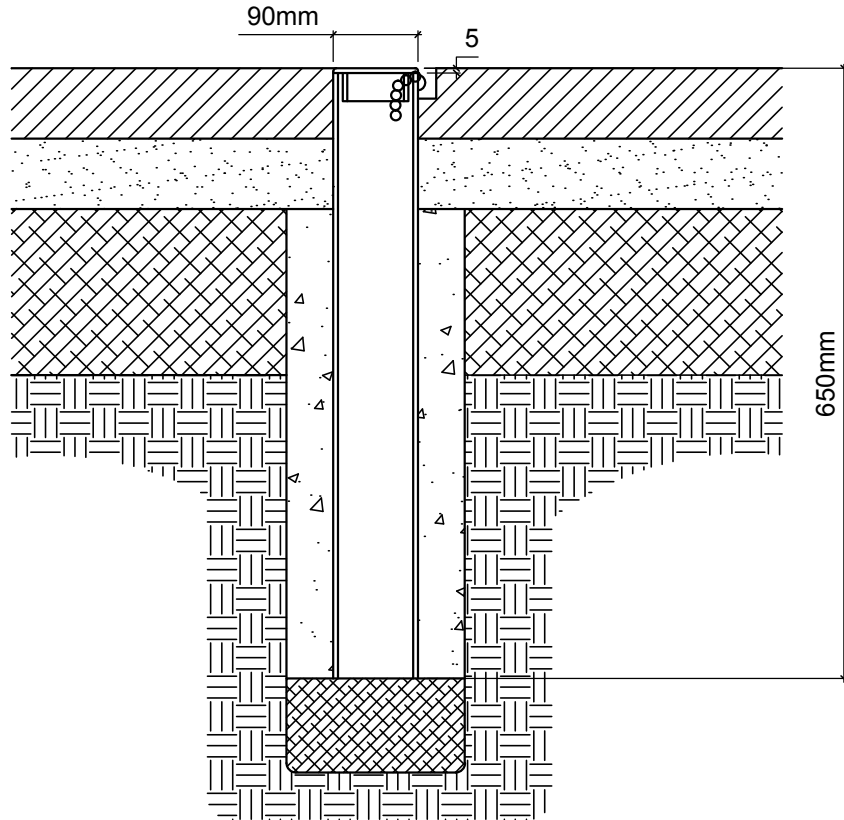
LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
REMOVEABLE WOOD/STEEL BOLLARD		
Designed By:	Approved:	
Date	Scale	LF-2C
16-Aug-10	N.T.S.	
Digital File: LF-2C,D- Removeable Wood and Steel Bollard.dwg		



CAP DETAIL
N.T.S.



CAP DETAIL
N.T.S.

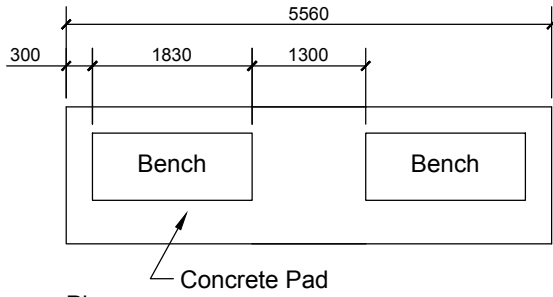


SECTION WITH BOLLARD REMOVED
N.T.S.

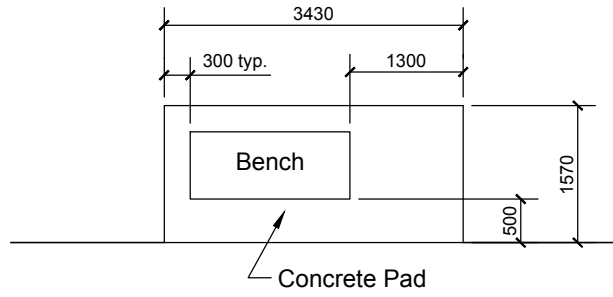
Date	Revisions	By
Aug-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
REMOVEABLE BOLLARD - DETAILS		
Designed By:		Approved:
Date	Scale	LF-2D
12-Aug-10	N.T.S.	
Digital File: LF-2C,D- Removeable Wood and Steel Bollard.dwg		

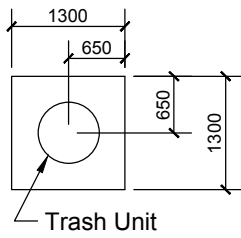


Plan
Layout Type A

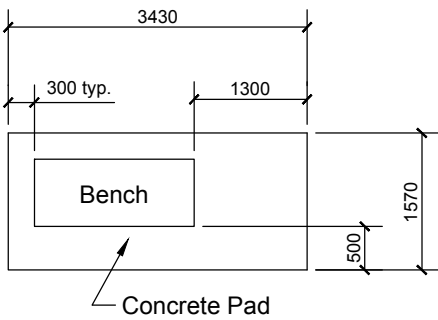
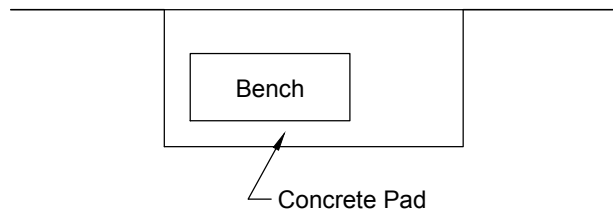


Pathway

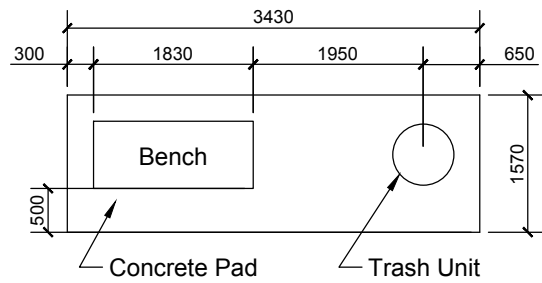
Plan
Layout Type B



Plan
Layout Type C



Plan
Layout Type D



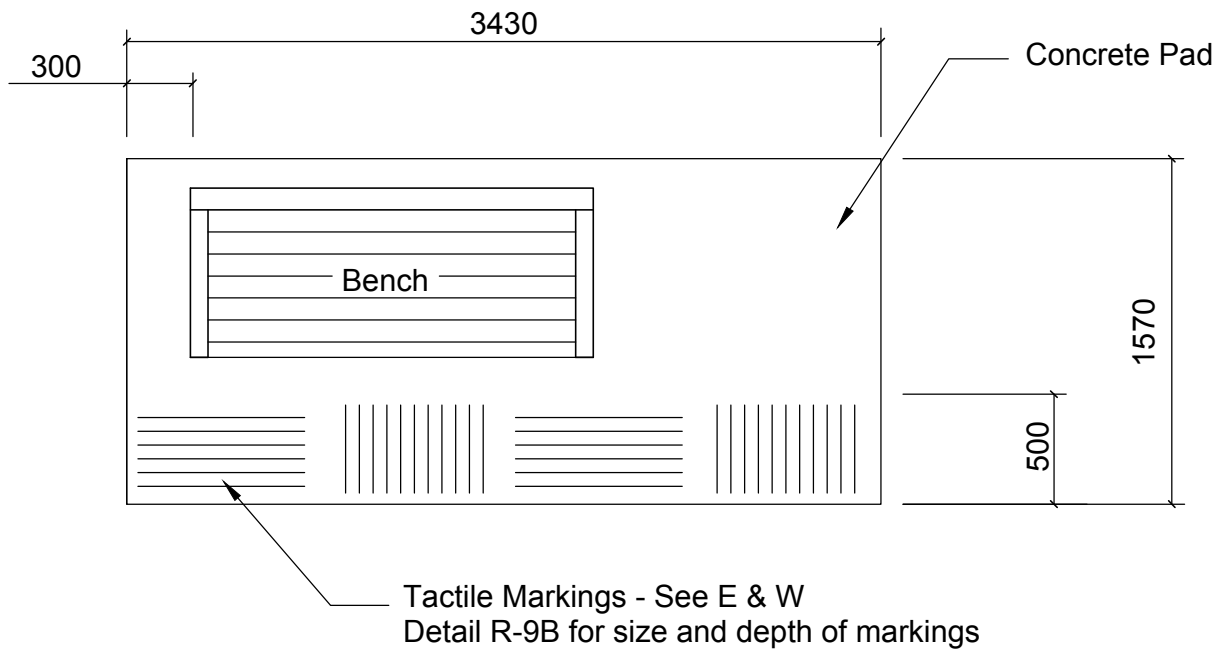
Plan
Layout Type E

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
SITE FURNISHINGS
BENCH / TRASH BIN LAYOUTS

Designed By:	Approved:
Date 13-Aug-10	Scale N.T.S.
LF-3B	
Digital File: LF-3B,LF3C - Bench, Picnic Table and Trash Bin Layouts.dwg	

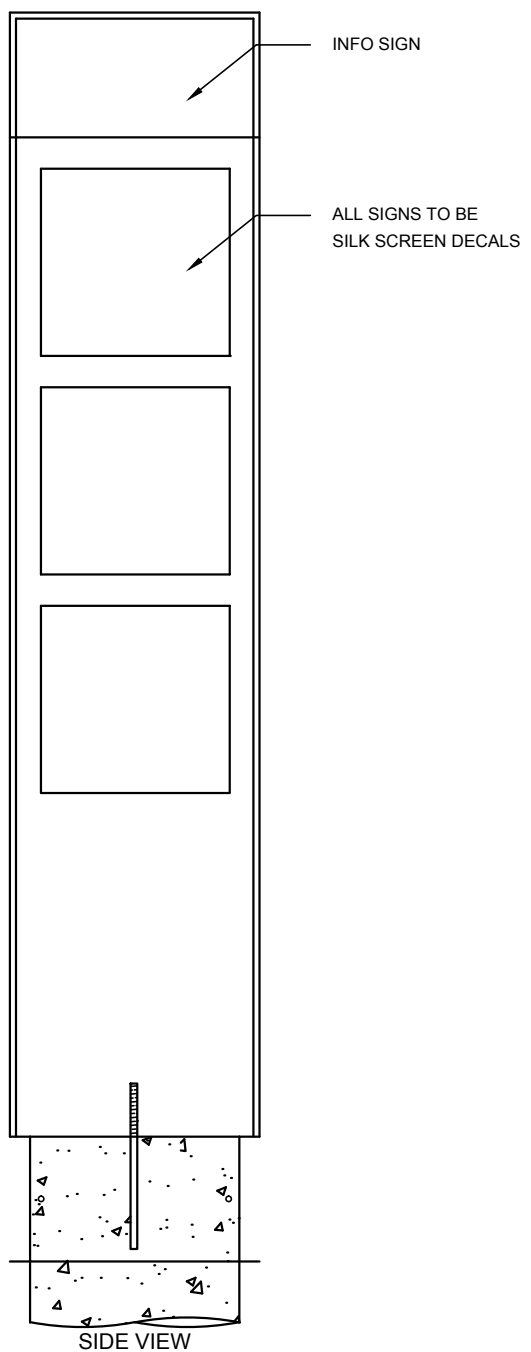
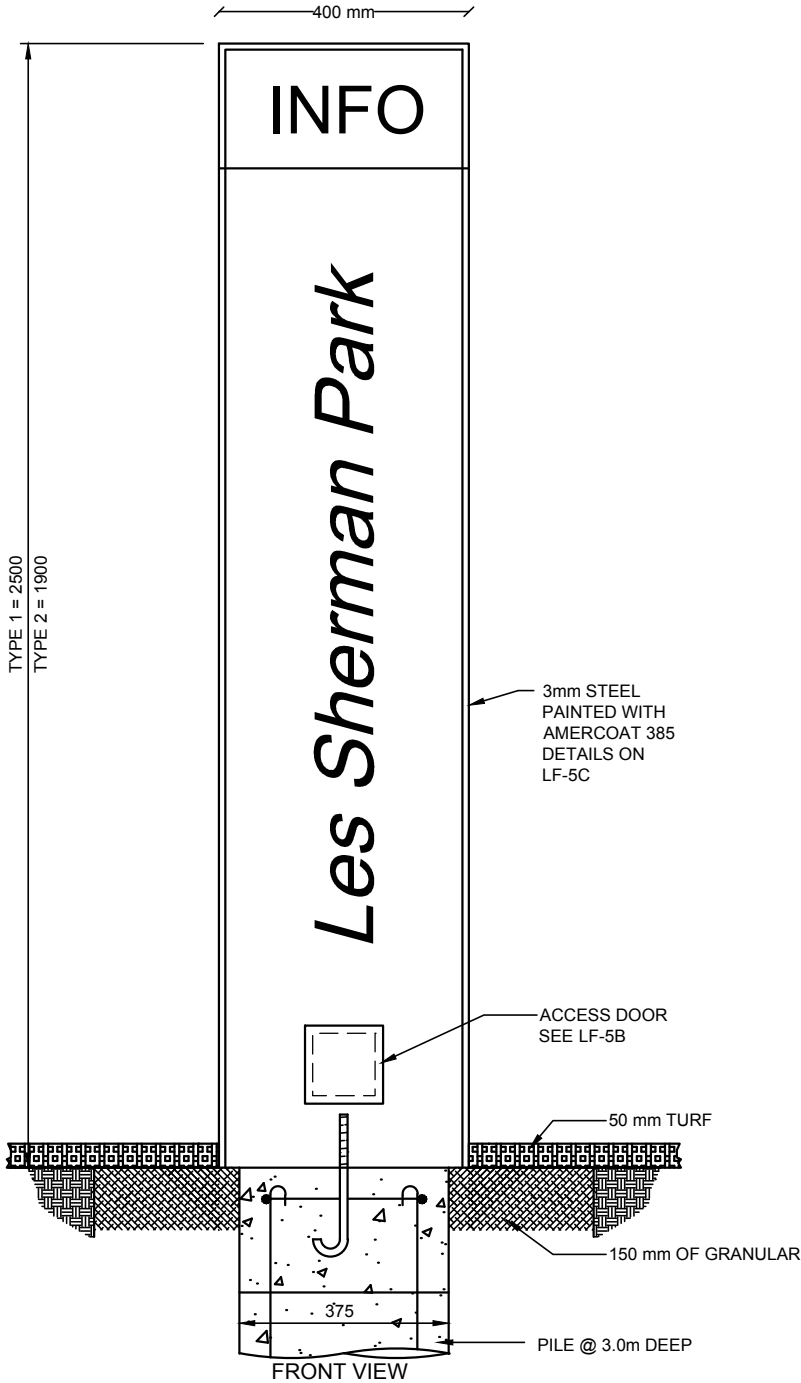


Date	Revisions	By
Feb-2010	Titleblock	MF

City of Regina | **REGINA**
Infinite Horizons

LANDSCAPE CONSTRUCTION STANDARDS
SITE FURNISHINGS
BENCH WITH TACTILE MARKINGS

Designed By:	Approved:
Date 13-Aug-10	Scale N.T.S.
LF-3D	
Digital File: LF-3D - Bench with Tactile Markings.dwg	

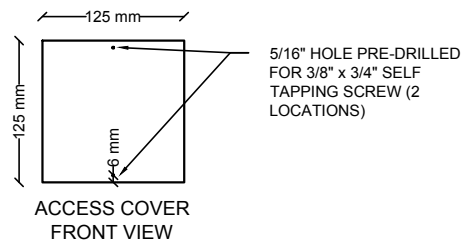
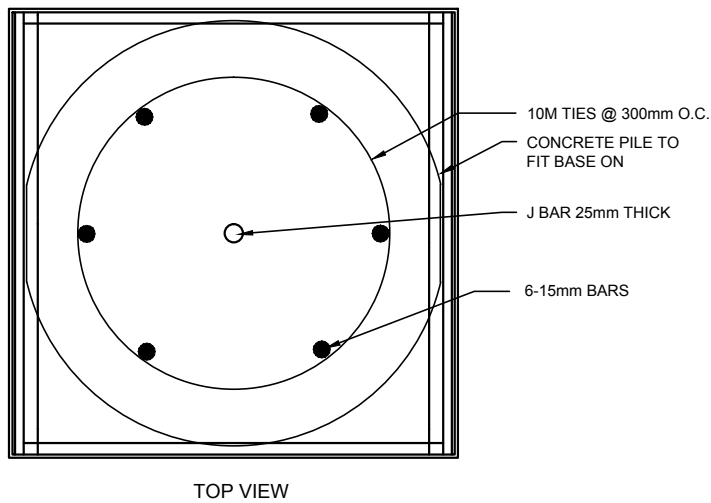
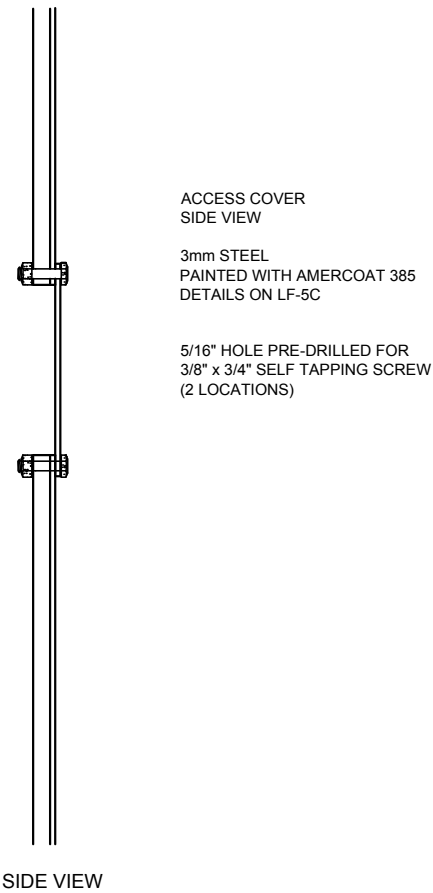
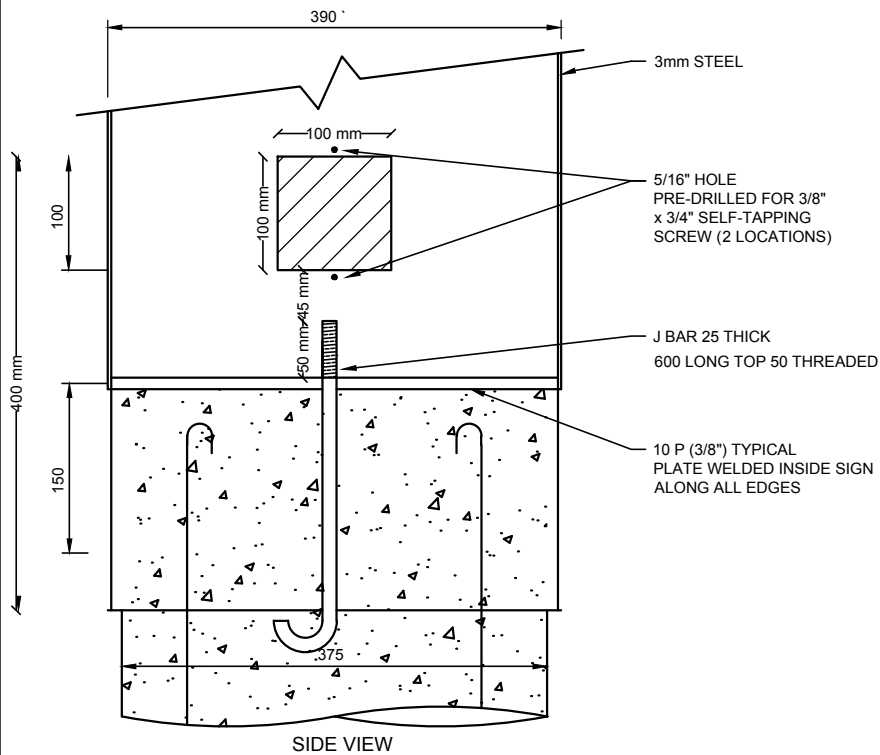


Date	Revisions	By
Aug-2010	Base, access door, surface paint, titleblock	MF

City of Regina | **REGINA**
Infinite Horizons

LANDSCAPE CONSTRUCTION STANDARDS
SITE FURNISHINGS
TOWER SIGN DETAIL

Designed By: KEN KABATOFF	Approved:
Date 17-Aug-10	Scale NTS
LF-5A	
Digital File: LF-5A,B,C - Tower Sign Details.dwg	



Date	Revisions	By
Aug-2010	Base, access door & surface paint, titleblock	MF

City of Regina | **REGINA**
Infinite Horizons

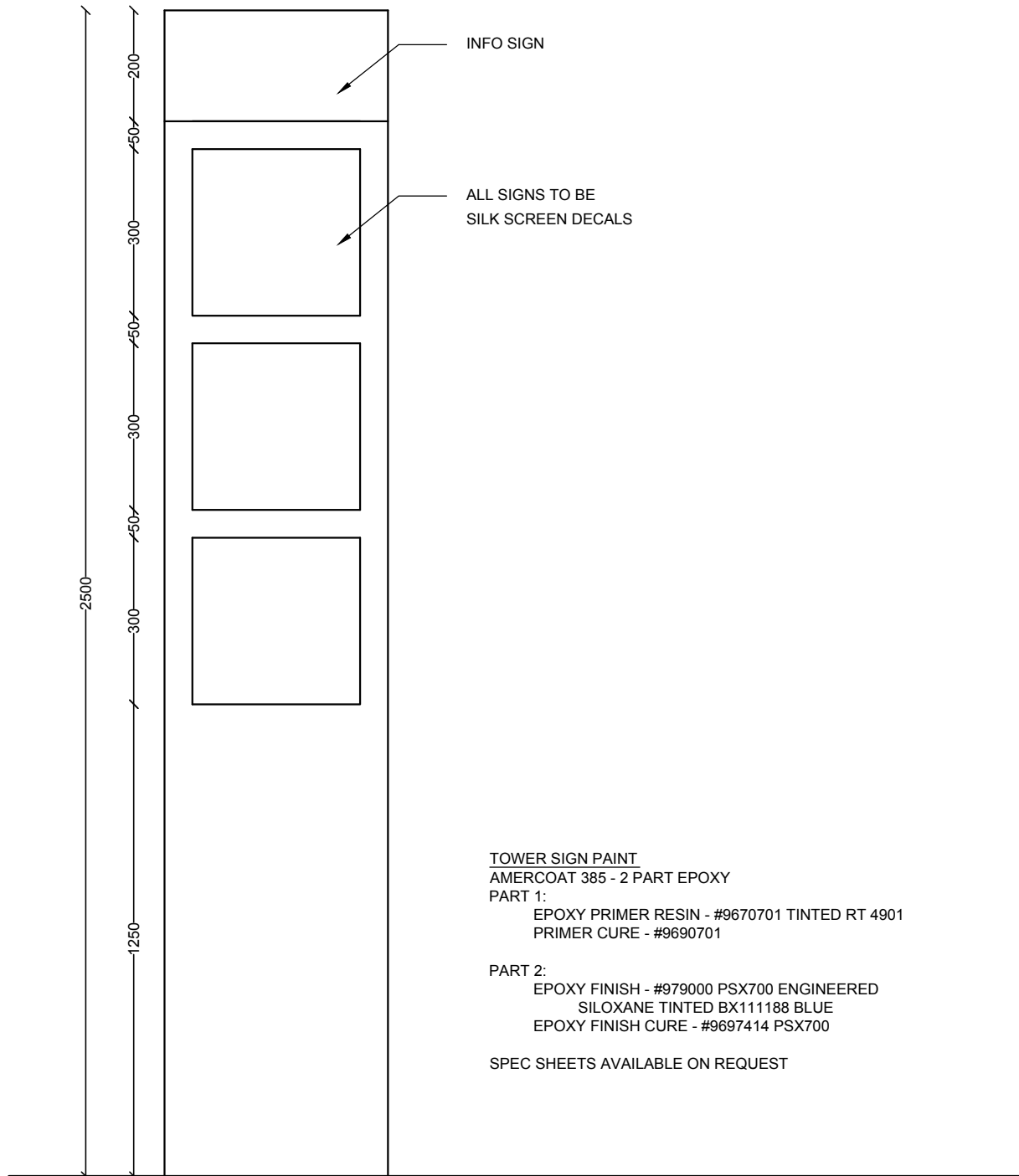
LANDSCAPE CONSTRUCTION STANDARDS

SITE FURNISHINGS

TOWER SIGN DETAIL

Designed By:	KEN KABATOFF		Approved:
Date	17-Aug-10	Scale	NTS
Digital File:	LF-5A,B,C - Tower Sign Details.dwg		

LF-5B



TOWER SIGN PAINT
 AMERCOAT 385 - 2 PART EPOXY
 PART 1:
 EPOXY PRIMER RESIN - #9670701 TINTED RT 4901
 PRIMER CURE - #9690701

PART 2:
 EPOXY FINISH - #979000 PSX700 ENGINEERED
 SILOXANE TINTED BX111188 BLUE
 EPOXY FINISH CURE - #9697414 PSX700

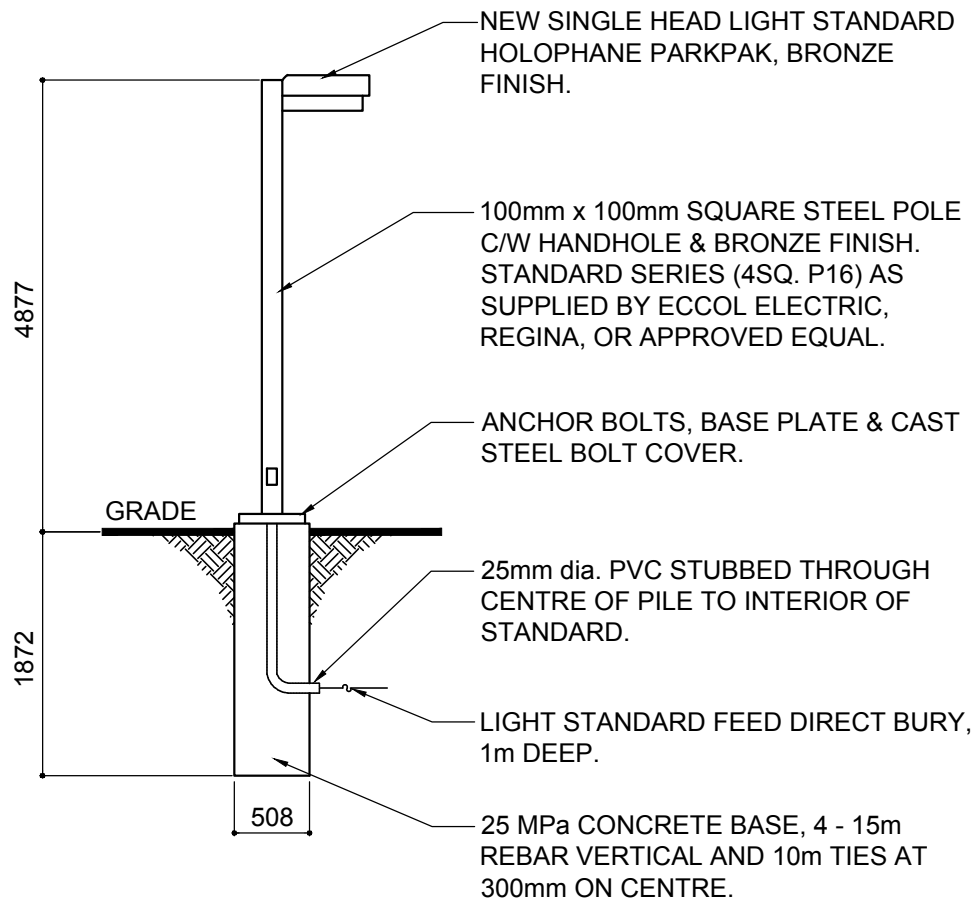
SPEC SHEETS AVAILABLE ON REQUEST

Date	Revisions	By
Aug-2010	Base, access door & surface paint, titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
SITE FURNISHINGS
TOWER SIGN DETAIL

Designed By: KEN KABATOFF		Approved:	
Date 17-Aug-10	Scale NTS	LF-5C	
Digital File: LF-5A,B,C - Tower Sign Details.dwg			



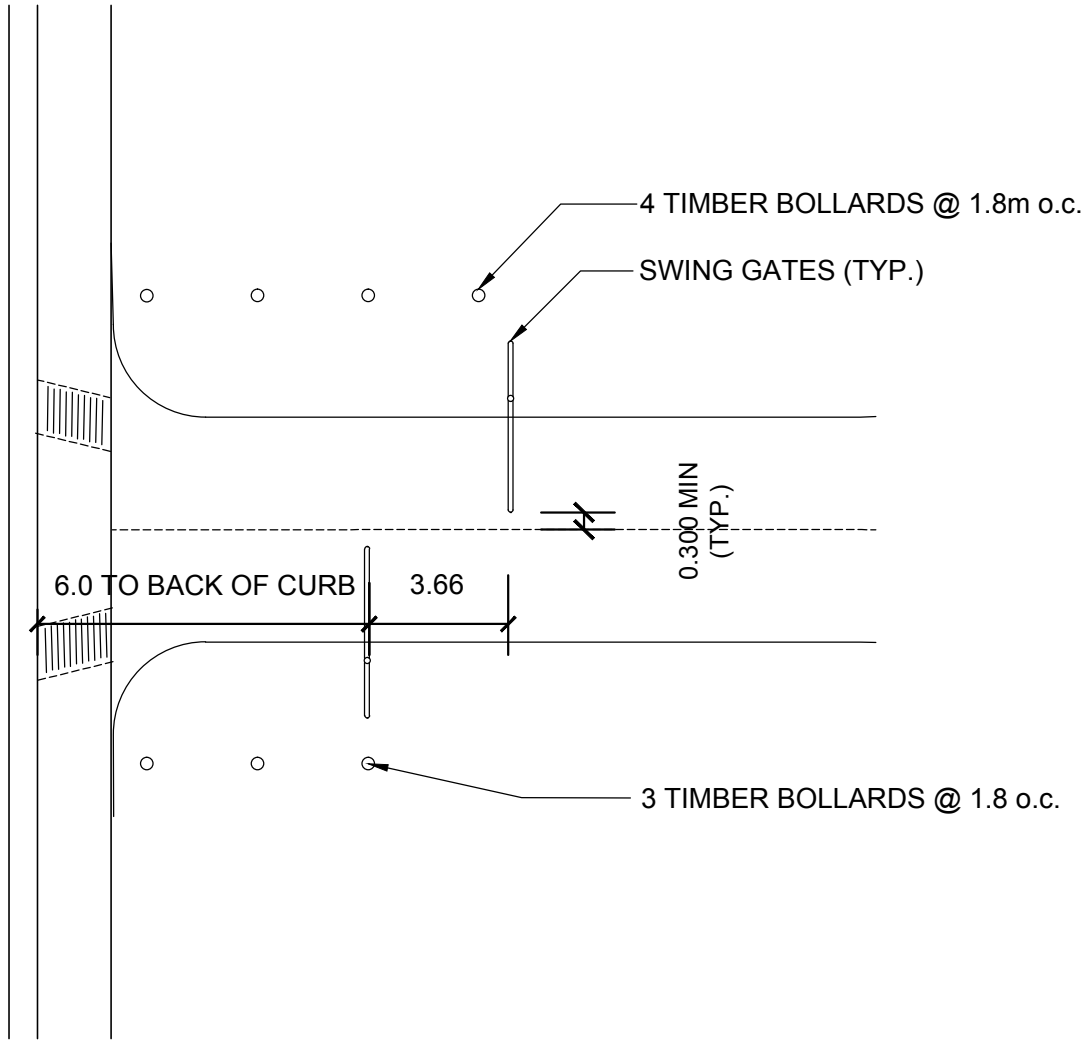
Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
SITE FURNISHINGS
LIGHT STANDARD

Designed By:		Approved:	
Date	Scale	LF-6	
13-Aug-10	N.T.S.		
Digital File: LF-6 - light standard.dwg			

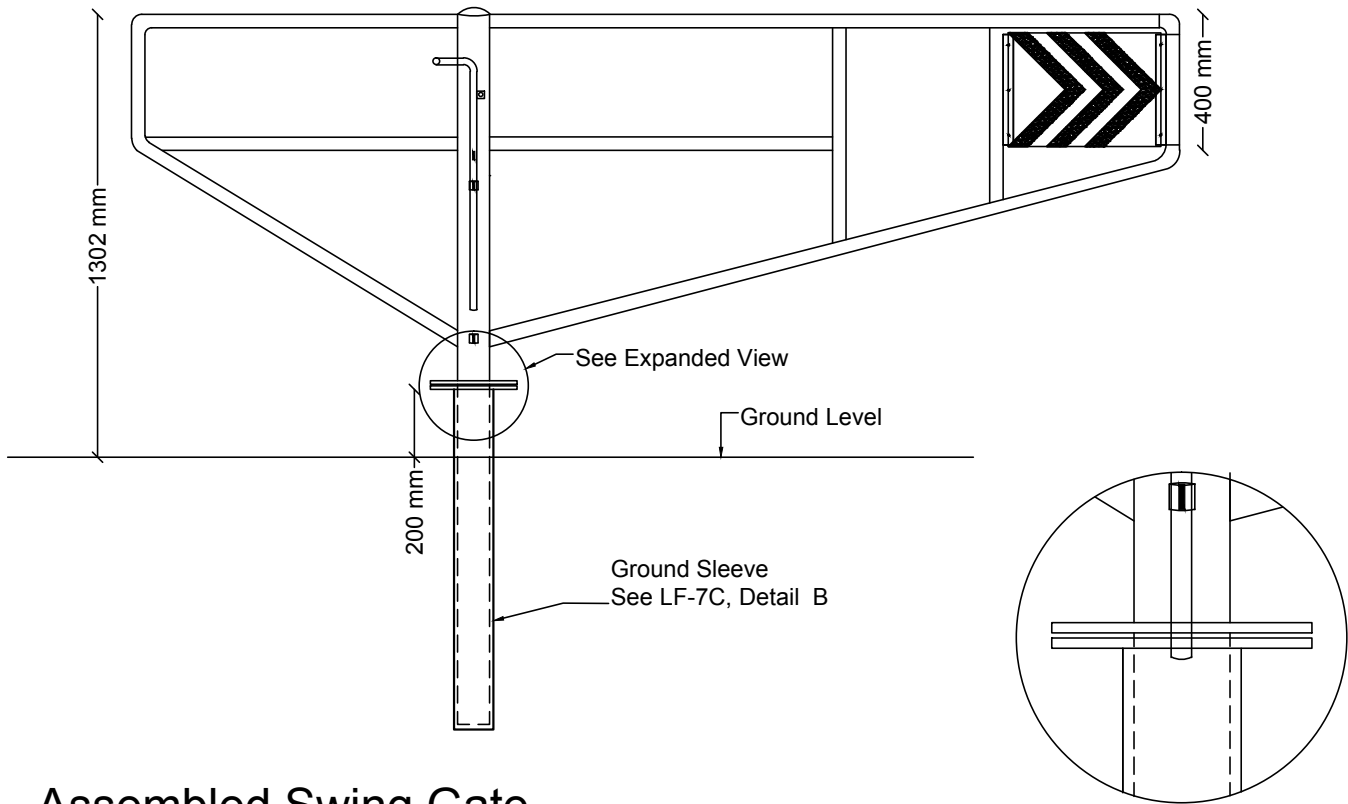
ROADWAY



Date	Revisions	By
Aug-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
SWING GATE DETAIL		
Designed By: KEN KABATOFF		Approved:
Date 5-Aug-10	Scale NTS	LF-7A
Digital File: LF-7A - Swing Gate Detail.dwg		



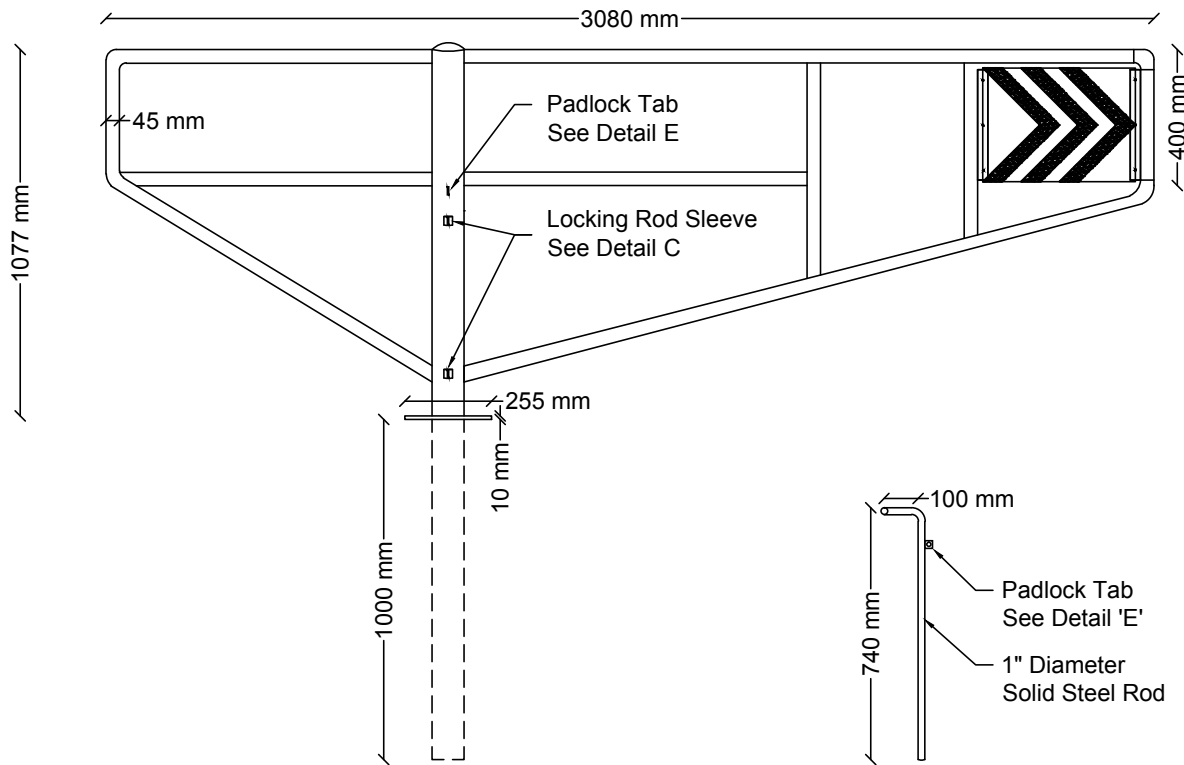
Assembled Swing Gate

Expanded View

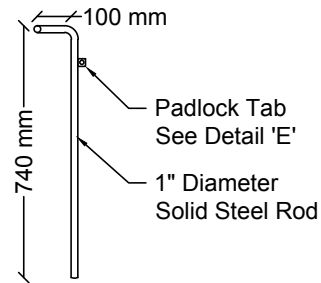
Date	Revisions	By
Aug-2010	Titleblock, locking rod, section details	MF



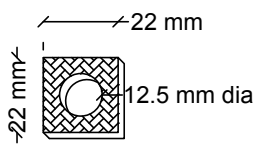
LANDSCAPE CONSTRUCTION STANDARDS		
SITE FURNISHINGS		
SWING GATE - ASSEMBLED		
Designed By:	Approved:	
KEN KABATOFF		
Date	Scale	
Aug-10	NTS	LF-7B
Digital File: LF-7A - Swing Gate Detail.dwg		



Detail A - Main Gate

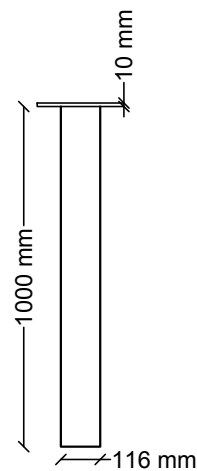


Detail C - Locking Rod



Weld One Flat Iron to Main Gate Pipe & One to Locking Rod

Detail E - Padlock Tabs



Detail B - Ground Sleeve

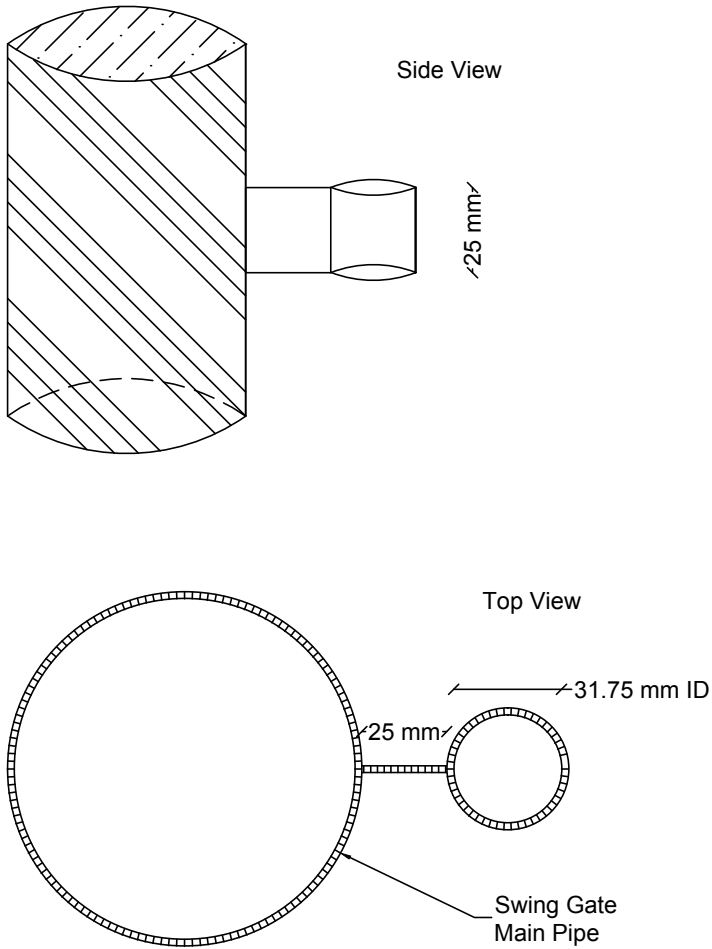
Date	Revisions	By
Aug-2010	Titleblock, locking rod, section details	MF



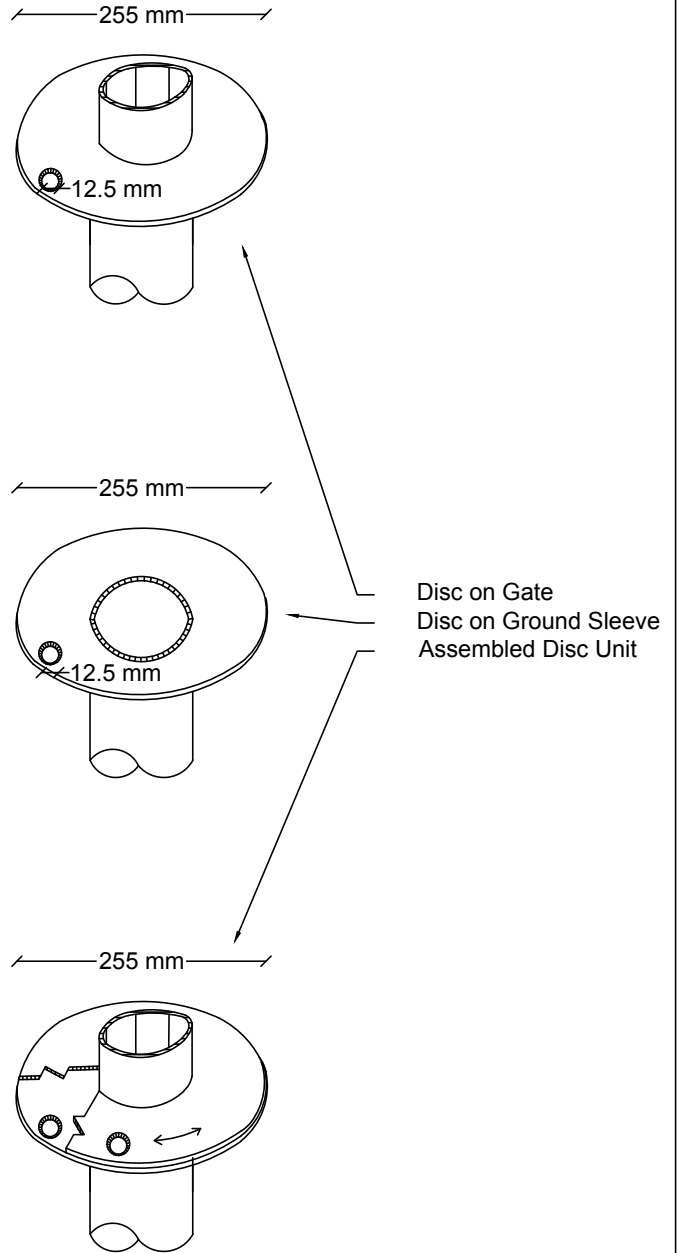
LANDSCAPE CONSTRUCTION STANDARDS

SITE FURNISHINGS
SWING GATE DETAILS

Designed By: KEN KABATOFF		Approved:	
Date Aug-10	Scale NTS	LF-7C	
Digital File: LF-7A - Swing Gate Detail.dwg			



Detail D - Locking Rod Sleeve



Detail F - Disc Assembly

Date	Revisions	By
Aug-2010	Titleblock, locking rod, section details	MF

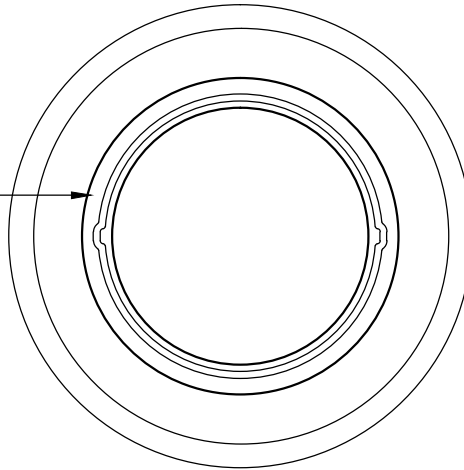


LANDSCAPE CONSTRUCTION STANDARDS

SITE FURNISHINGS
SWING GATE DETAIL

Designed By: KEN KABATOFF		Approved:	
Date Aug-10	Scale NTS	LF-7D	
Digital File: LF-7A - Swing Gate Detail.dwg			

CARSON INDUSTRIES
#910 JUNCTION BOX



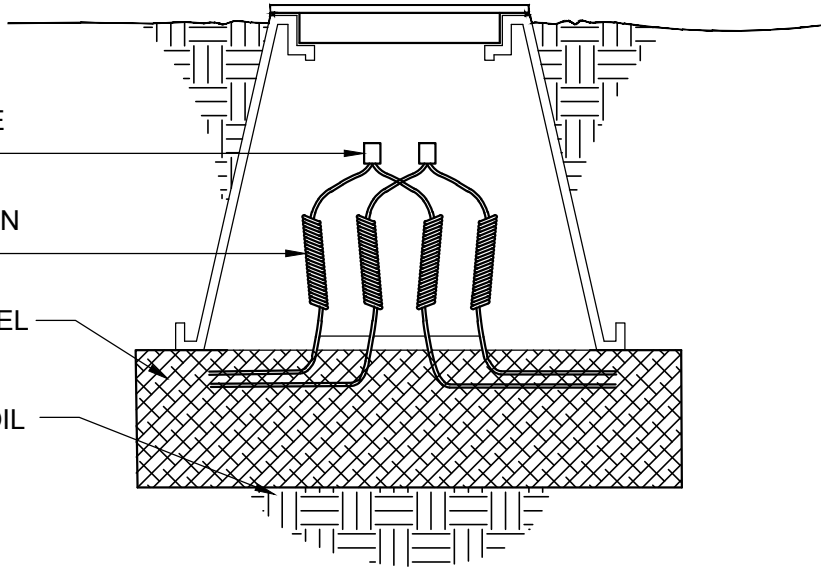
PLAN

3M DBY/DBR WIRE
CONNECTORS

SERVICE LOOP MIN
LENGTH 600mm

150mm PEA GRAVEL

COMPACTED OR
UNDISTURBED SOIL



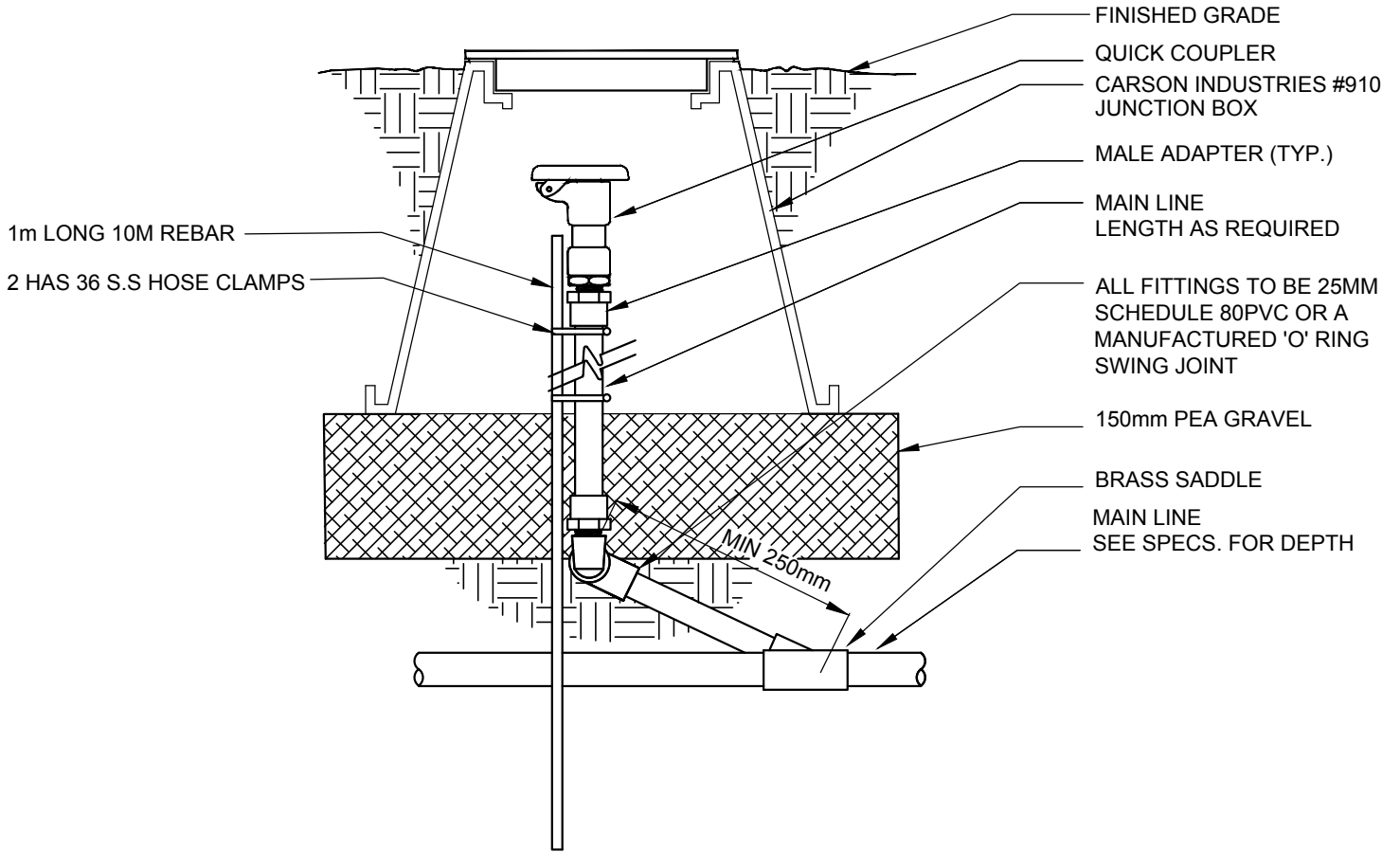
ELEVATION

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
IRRIGATION
LOW VOLTAGE ELEC. SPLICE BOX

Designed By:		Approved:	
Date	Scale	LI-1	
13-Aug-10	N.T.S.		
Digital File: LI-1 - Low Voltage Elec. Splice Box.dwg			

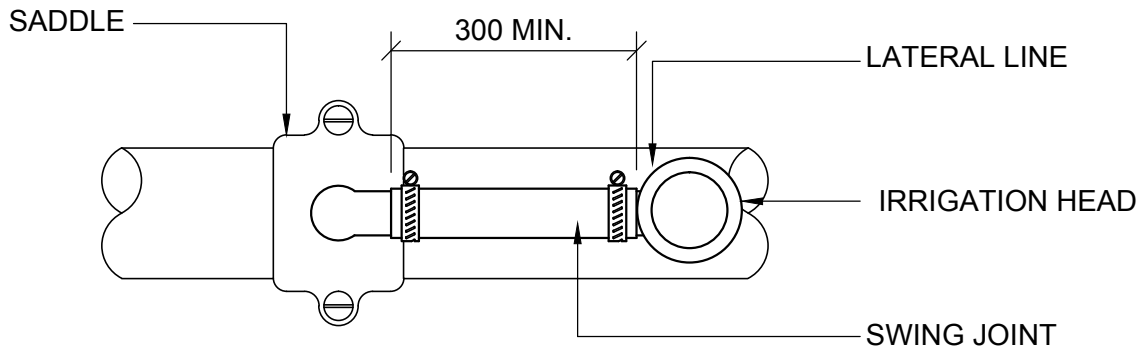


ELEVATION

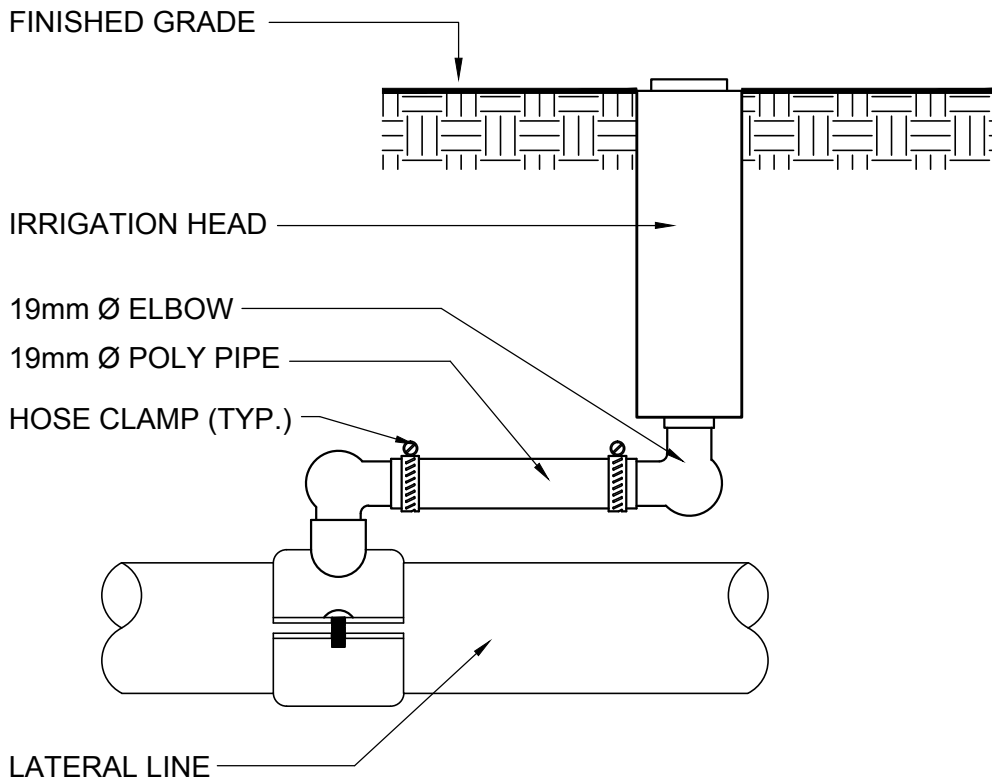
Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
QUICK COUPLER		
Designed By:	Approved:	
Date	Scale	LI-2
13-Aug-10	N.T.S.	
Digital File: LI-2 - Quick Coupler.dwg		



PLAN VIEW



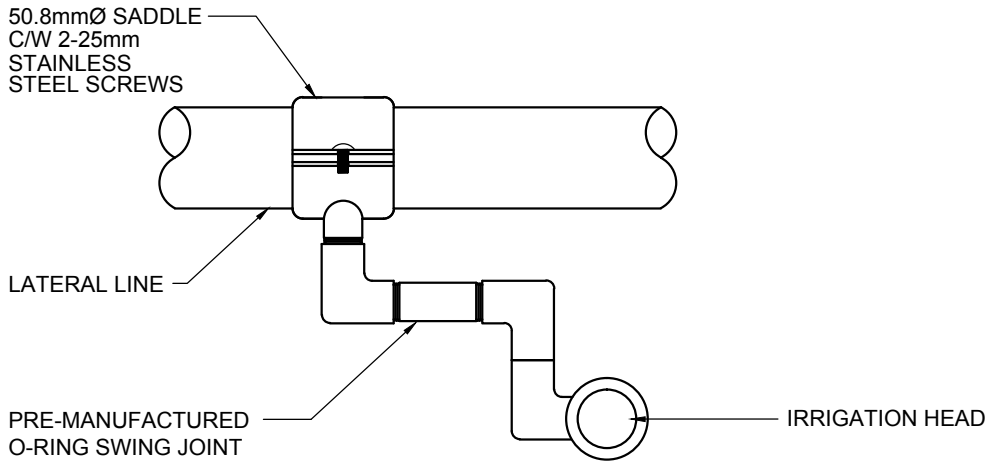
ELEVATION

Date	Revisions	By
Feb-2010	Titleblock	MF

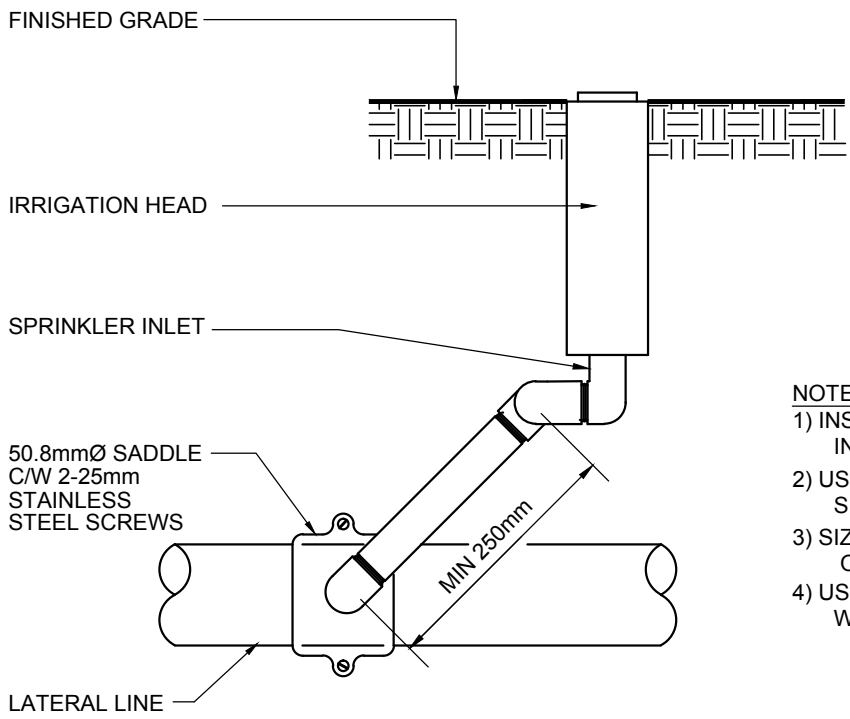
City of Regina | **REGINA**
Infinite Horizons

LANDSCAPE CONSTRUCTION STANDARDS
IRRIGATION
LOW DENSITY POLY SWING JOINT

Designed By:	Approved:
Date 13-Aug-10	Scale N.T.S.
Digital File: LI-3A- Low Density Poly Swing Joint.dwg	LI-3A



PLAN



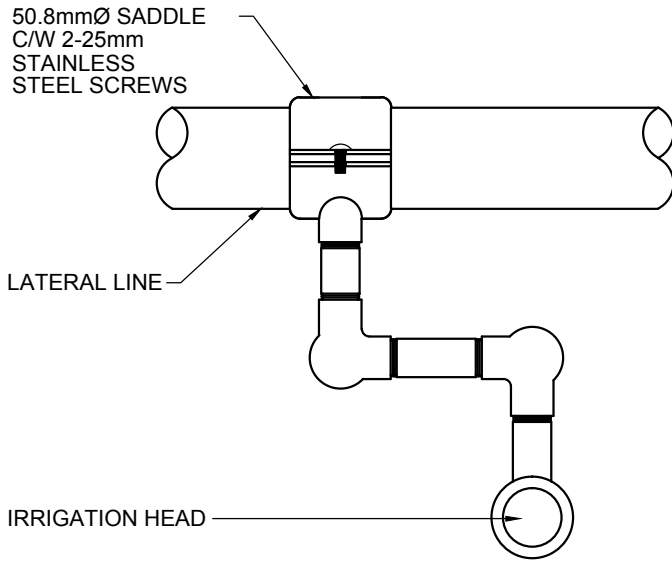
ELEVATION

- NOTES:**
- 1) INSTALL SWING JOINT TO DRAIN WATER INTO LATERAL LINE
 - 2) USE LASCO 'O-RING' SWING JOINT SIZED TO FIT
 - 3) SIZE OF FITTINGS SHALL BE BASED ON THE SIZE OF THE SPRINKLER INLET
 - 4) USE BRASS FITTINGS FOR METAL SPRINKLER HEADS W/ TEFLON TAPE AT ALL CONNECTIONS

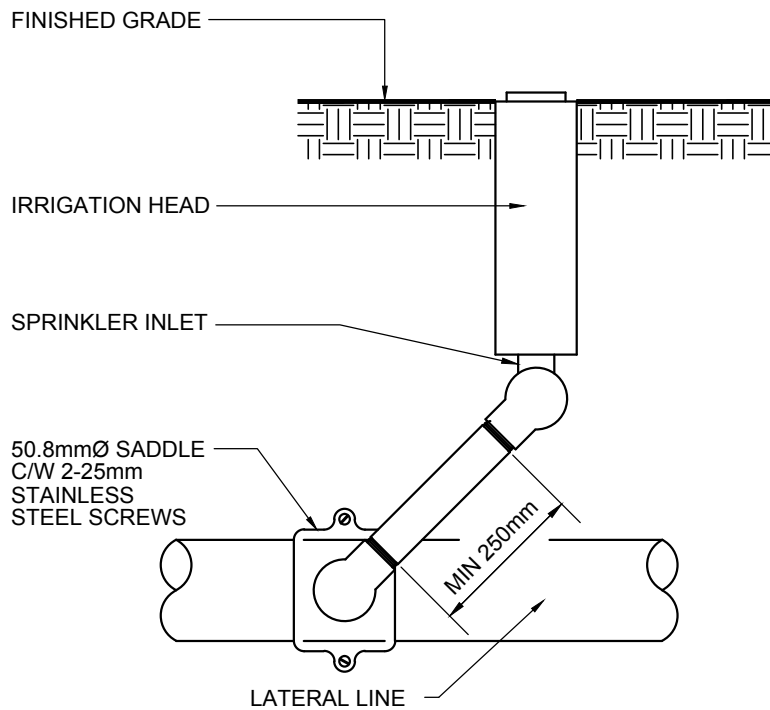
Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
PRE-MANUFACTURED 'O-RING' SWING JOINT		
Designed By:		Approved:
Date	Scale	LI-3B
13-Aug-10	N.T.S.	
Digital File: LI-3B - Pre-Manufactured 'O-ring' Swing joint.dwg		



PLAN



ELEVATION

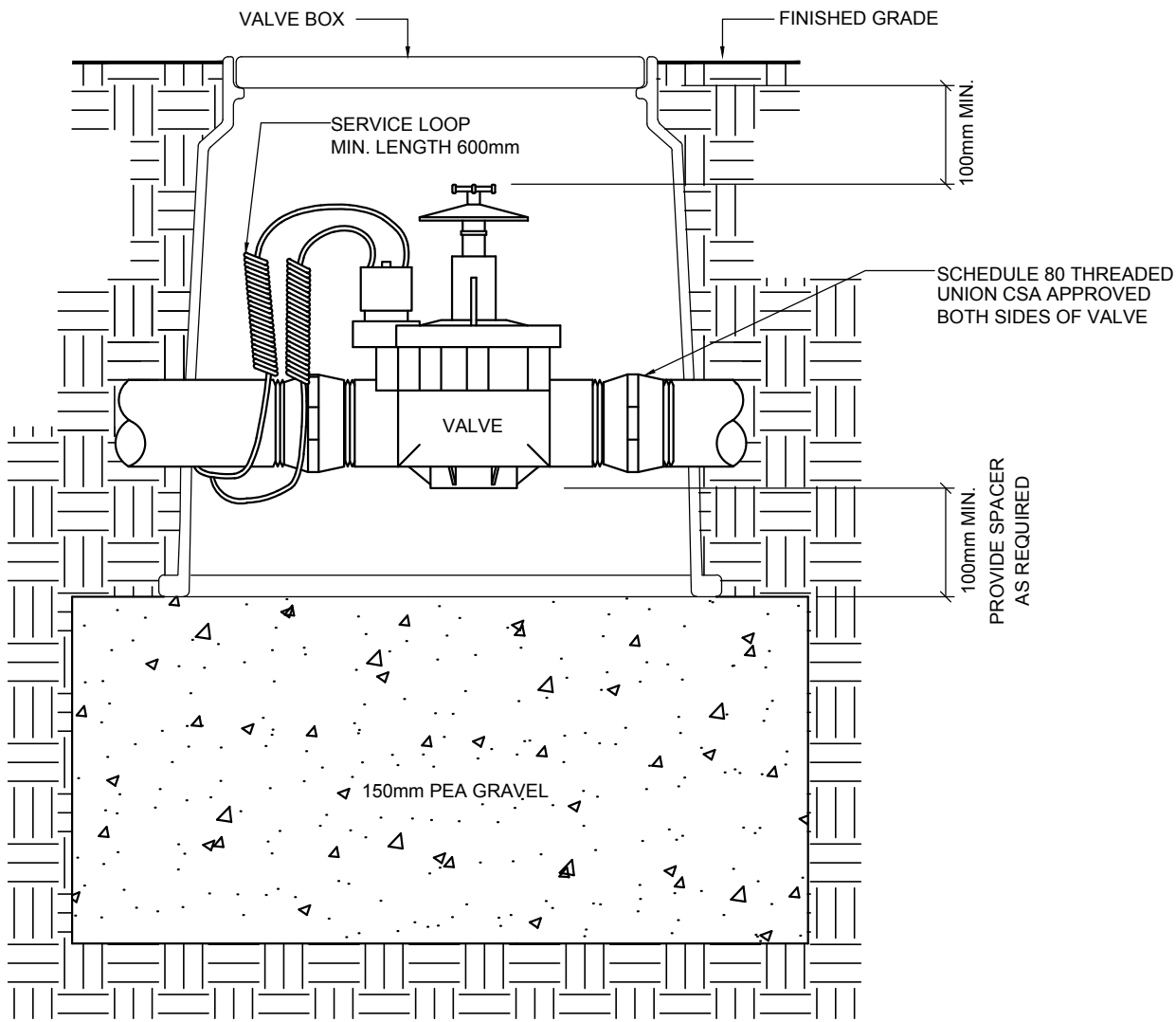
NOTES:

- 1) INSTALL SWING JOINT TO DRAIN WATER INTO LATERAL LINE
- 2) USE BRASS FITTINGS FOR METAL SPRINKLER HEADS, W/ TEFLON TAPE AT ALL CONNECTIONS
- 3) USE SCHEDULE 40 P.V.C. FITTINGS AND SCHEDULE 80 P.V.C. NIPPLES FOR PLASTIC SPRINKLER HEADS.
- 4) SIZE OF FITTINGS SHALL BE BASED ON THE SIZE OF THE SPRINKLER INLET

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
TRIPLE SWING JOINT		
Designed By:		Approved:
Date	Scale	LI-3C
13-Aug-10	N.T.S.	
Digital File: LI-3C - Triple Swing Joint.dwg		



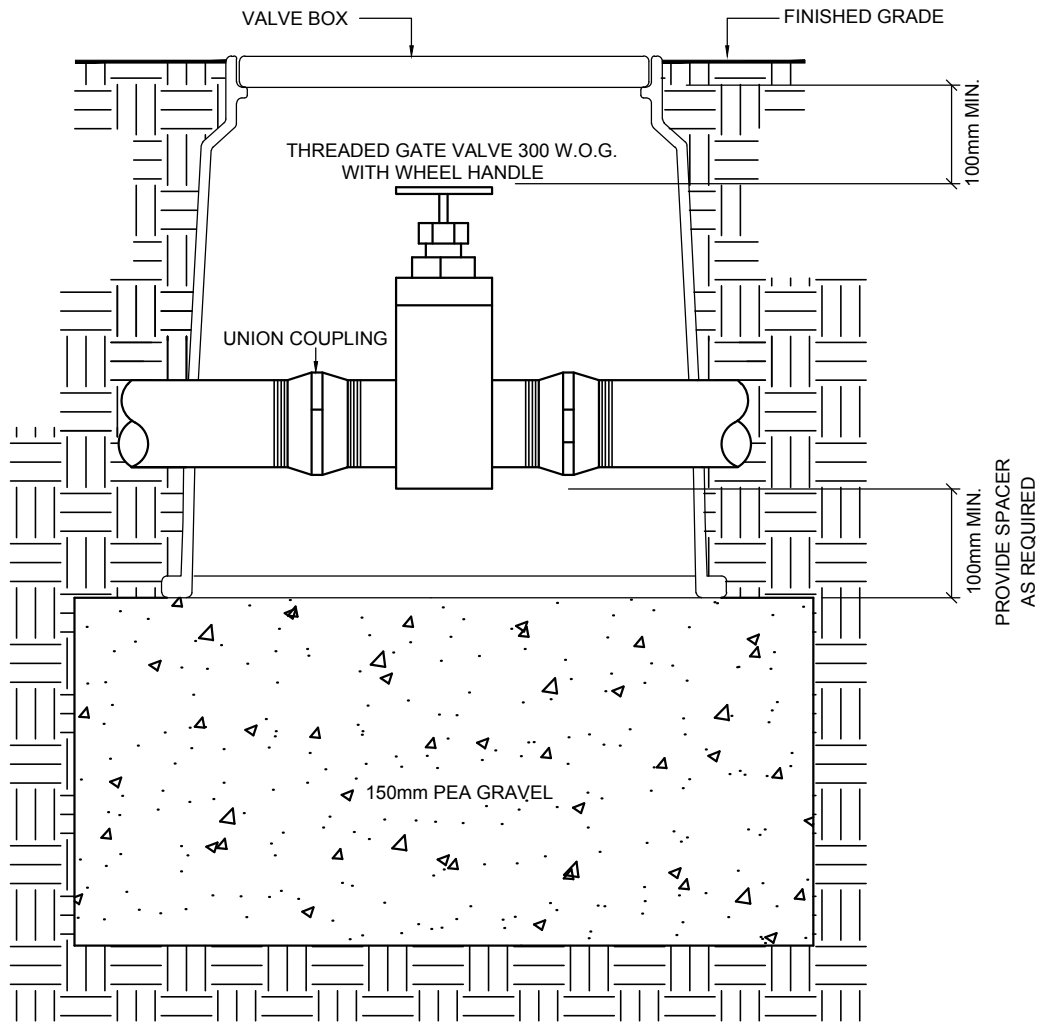
NOTE: CENTRE VALVE IN VALVE BOX

SECTION

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
50mm OR LESS ELECTRIC VALVE		
Designed By:	Approved:	
Date	Scale	LI-4A
13-Aug-10	N.T.S.	
Digital File: LI-4A - 50mm or Less Electric Valve.dwg		



NOTE: CENTRE VALVE IN VALVE BOX

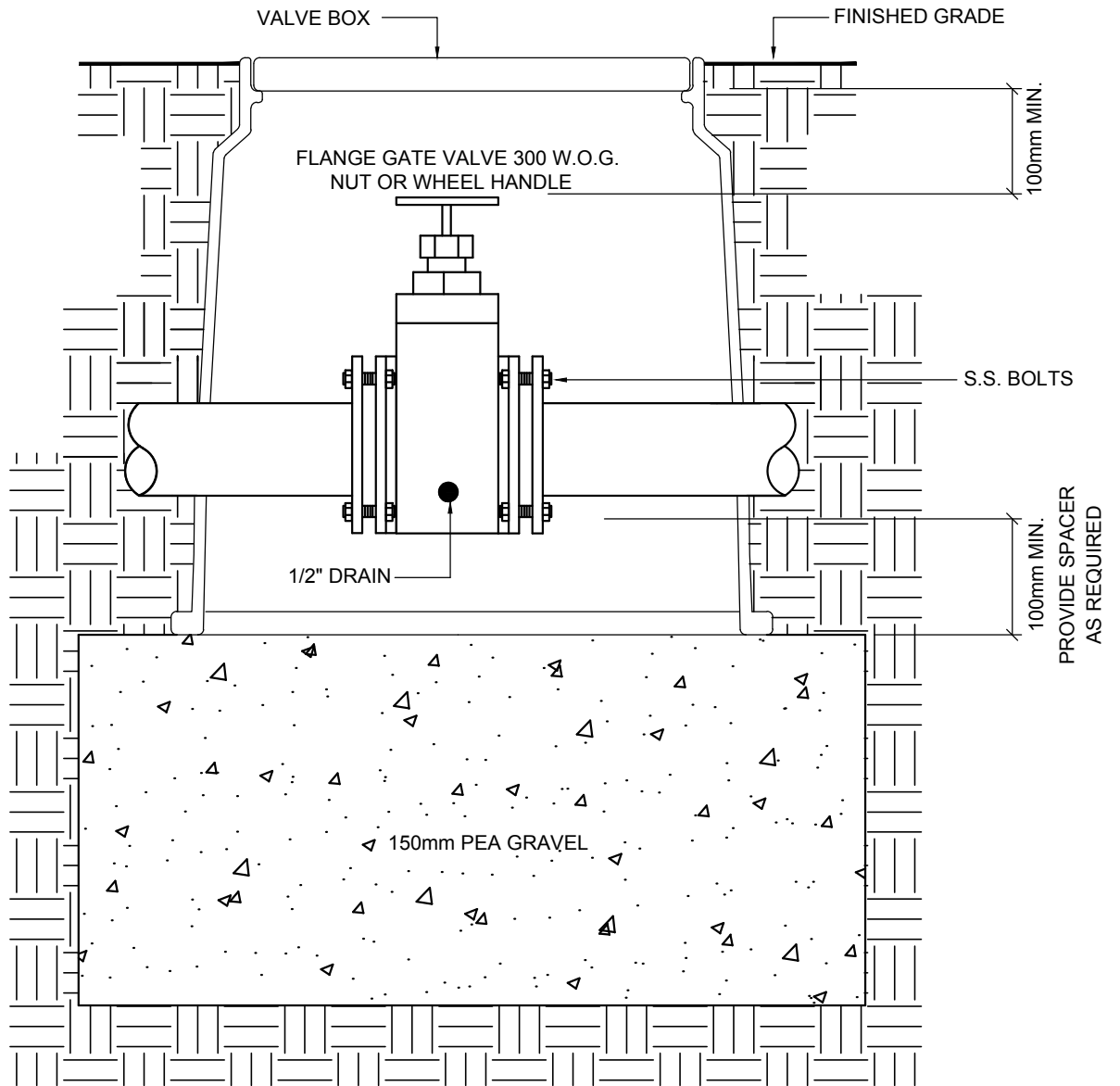
SECTION

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
IRRIGATION - THREADED
300 W.O.G. GATE VALVE-50mm OR LESS

Designed By:		Approved:	
Date	Scale	LI-4B	
13-Aug-10	N.T.S.		
Digital File: LI-4B - Threaded 300 W.O.G. Gate Valve - 50mm or less.dwg			



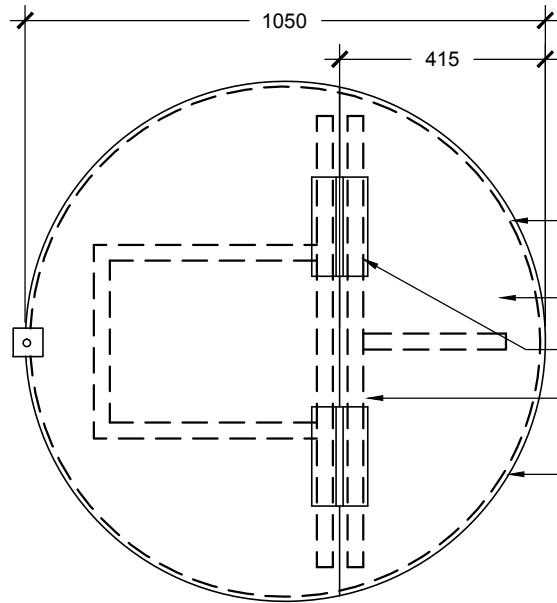
NOTE: CENTRE VALVE IN VALVE BOX

SECTION

Date	Revisions	By
Feb-2010	Titleblock	MF

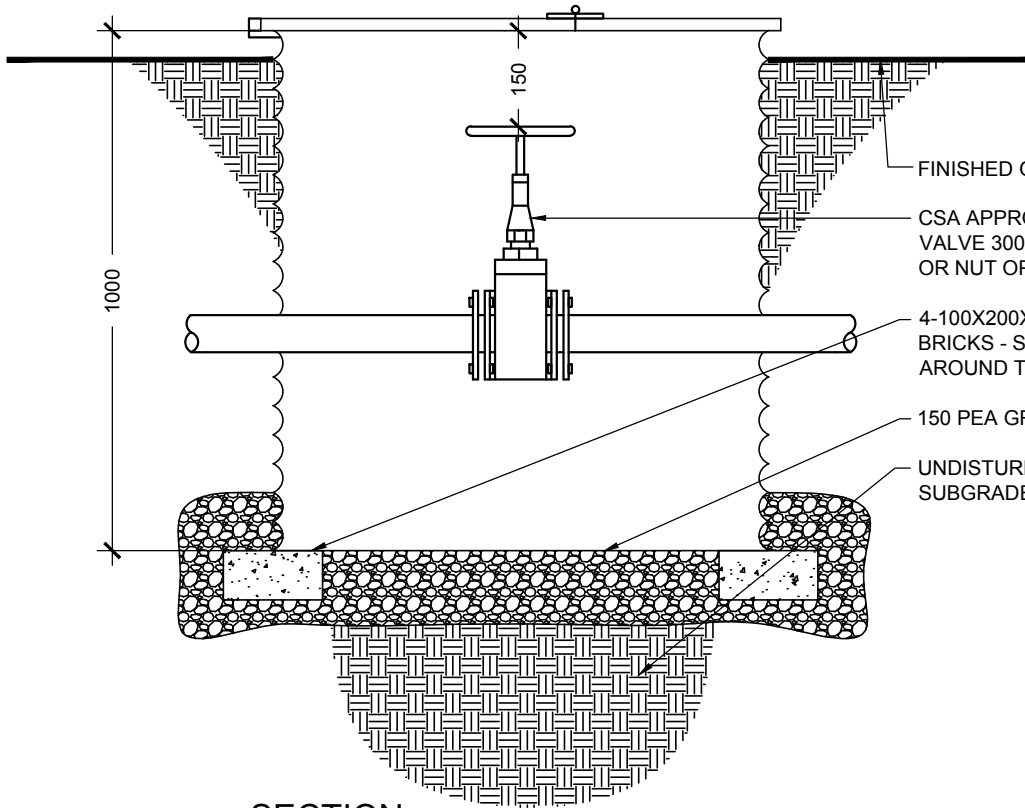


LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION - FLANGE		
300 W.O.G. GATE VALVE - 75mm OR LESS		
Designed By:	Approved:	
Date	Scale	LI-4C
13-Aug-10	N.T.S.	
Digital File: LI-4C - Flange 300 W.O.G. Gate Valve - 75m or Less.dwg		



- WELD STATIONARY PLATE TO CULVERT IN 3 PLACES
- 4 GAUGE STEEL PLATE
- 2 - 200mm BUTT HINGES
- 32X32X5 STEEL TUBING ON UNDERSIDE OF LID (TYP)
- 3x25 FLATBAR ON EDGE TO CREATE A LIP

PLAN



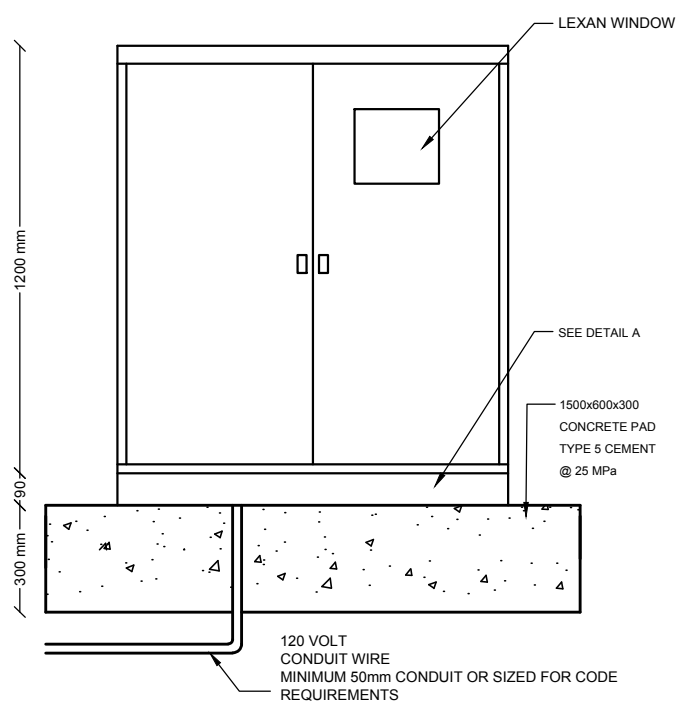
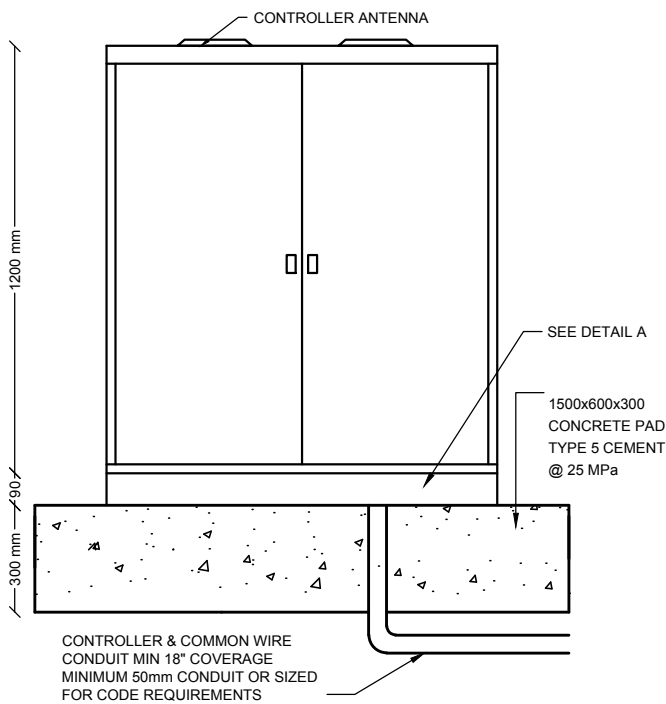
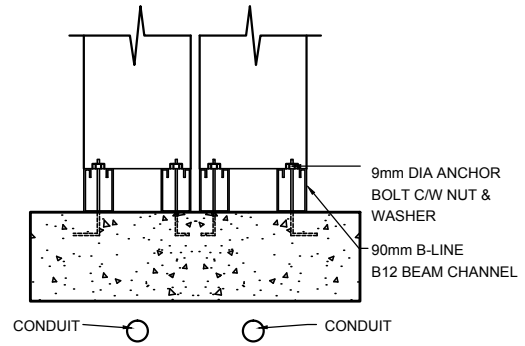
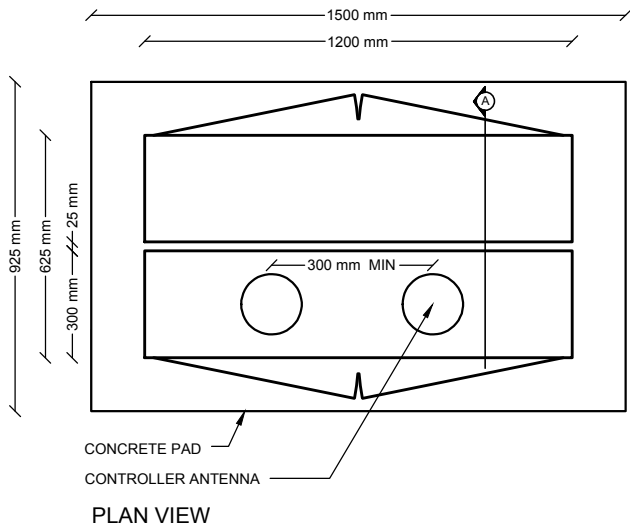
- FINISHED GRADE
- CSA APPROVED FLANGE GATE VALVE 300 W.O.G. WITH WHEEL OR NUT OPERATION
- 4-100X200X400 CONCRETE BRICKS - SPACED EQUALLY AROUND THE CIRCUMFERENCE
- 150 PEA GRAVEL
- UNDISTURBED OR COMPACTED SUBGRADE

SECTION

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION - FLANGE		
GATE VALVE 300 W.O.G. 75mm OR GREATER		
Designed By:		Approved:
Date	Scale	LI-4D
13-Aug-10	N.T.S.	
Digital File: LI-4D - Flange 300 W.O.G. Gate Valve - 75mm or Greater.dwg		



NOTES:

- CABINETS ARE TO BE BOLTED TO CONCRETE USING LAG BOLTS
- CABINETS TO BE WEATHER PROOF LOCKABLE "STELPRO #3ST363612 NEMA 3R METERING CABINET"
- CABINETS MUST HAVE A HASP FOR A STANDARD PAD LOCK TO CONFORM TO CITY OF REGINA STANDARDS AND SPECIFICATIONS

INSIDE CABINET

1-TERMINAL BLOCK LARGE ENOUGH TO ACCOMIDATE 10 GAUGE WIRE

ALL FEILDSTATION WIRES MUST BE LABELED

Date	Revisions	By
Aug-2010	Single to dble pedestal, titleblock	MF

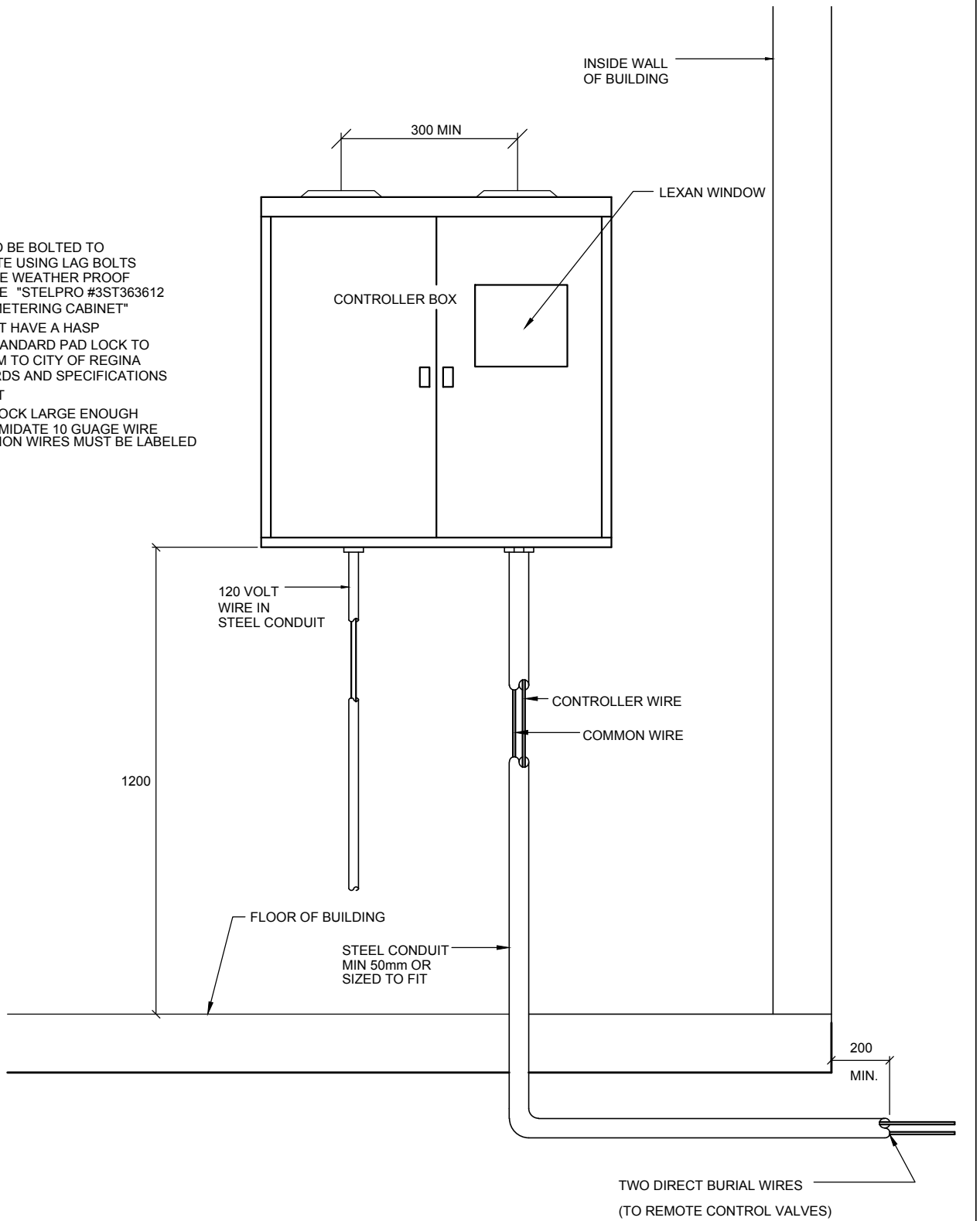


LANDSCAPE CONSTRUCTION STANDARDS
**IRRIGATION - CONTROL BOX
PEDESTAL MOUNTED**

Designed By: DENNIS LOWTHIAN		Approved:
Date 5-Aug-10	Scale NTS	LI-5A
Digital File: LI-5A - Ped Mntd Irrig Cntrl Bx with Mtr Socket.dwg		

NOTES:

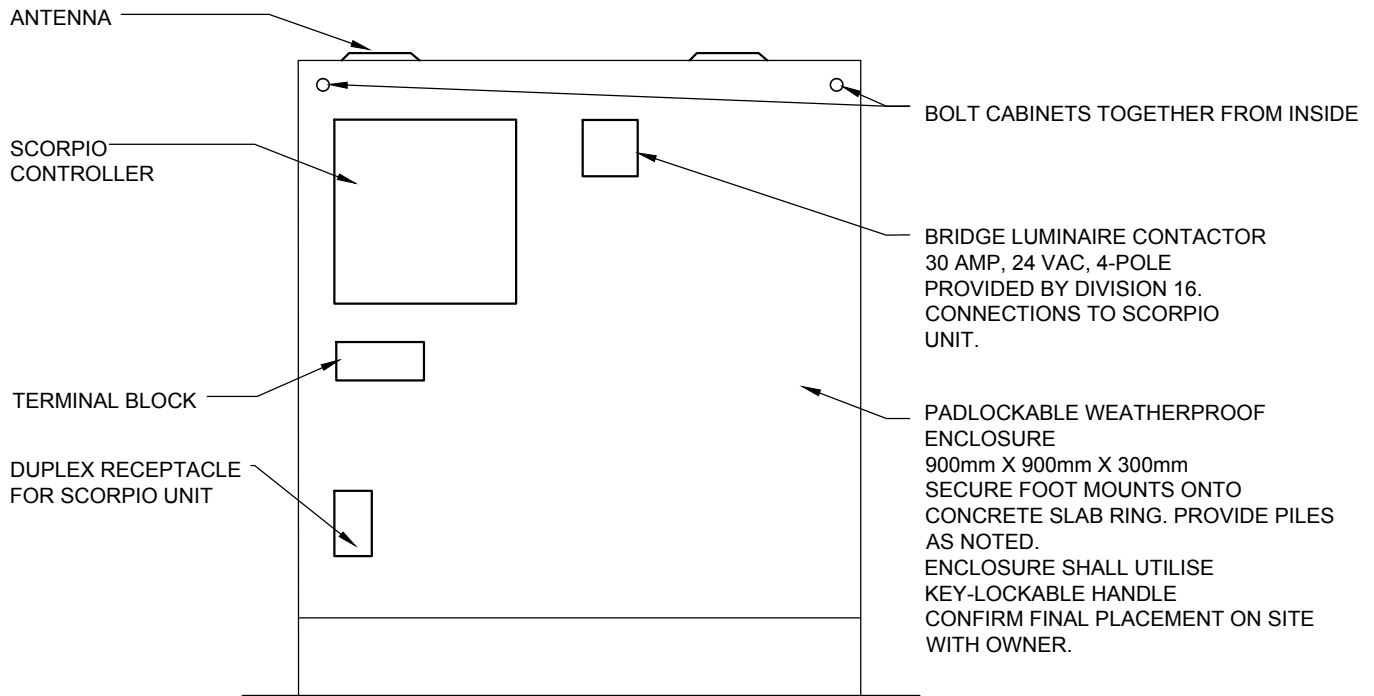
- CABINET IS TO BE BOLTED TO CONCRETE USING LAG BOLTS
 - CABINET TO BE WEATHER PROOF LOCKABLE "STELPRO #3ST363612 NEMA 3 METERING CABINET"
 - CABINET MUST HAVE A HASP FOR A STANDARD PAD LOCK TO CONFORM TO CITY OF REGINA STANDARDS AND SPECIFICATIONS
- INSIDE CABINET
- 1-TERMINAL BLOCK LARGE ENOUGH TO ACCOMIDATE 10 GAUGE WIRE
 - ALL FEILDSTATION WIRES MUST BE LABELED



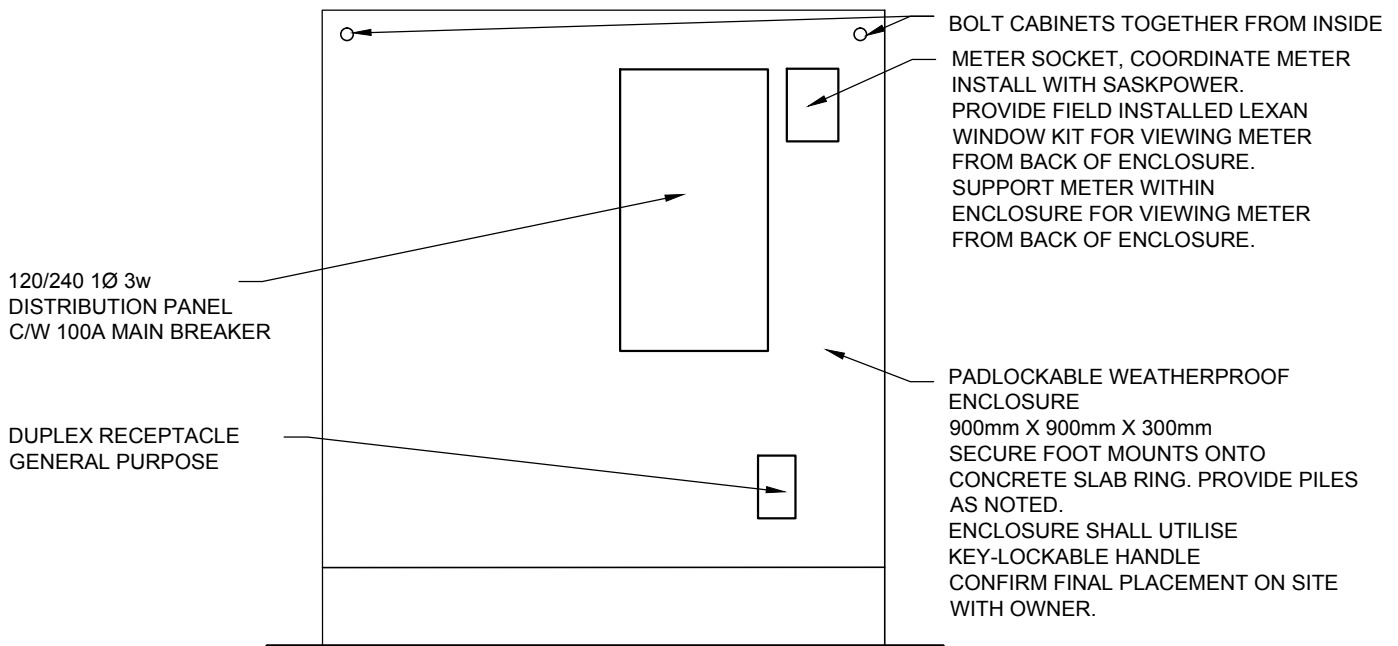
Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
CONTROL BOX WALL MOUNT		
Designed By:	Approved:	
Date	Scale	
17-Aug-10	N.T.S.	LI-5B
Digital File: LI-5B - Wall Mount Control Box.dwg		



MAIN SERVICE ENCLOSURE - IRRIGATION

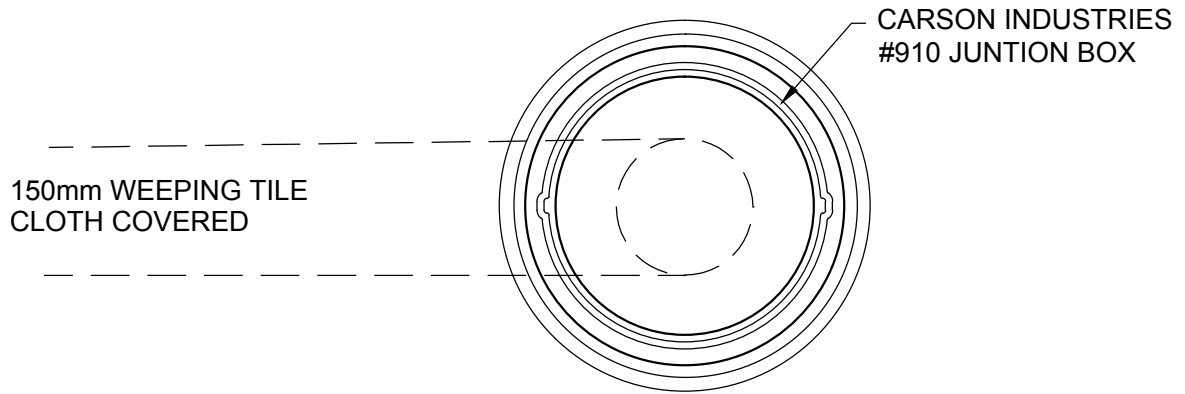


MAIN SERVICE ENCLOSURE - POWER

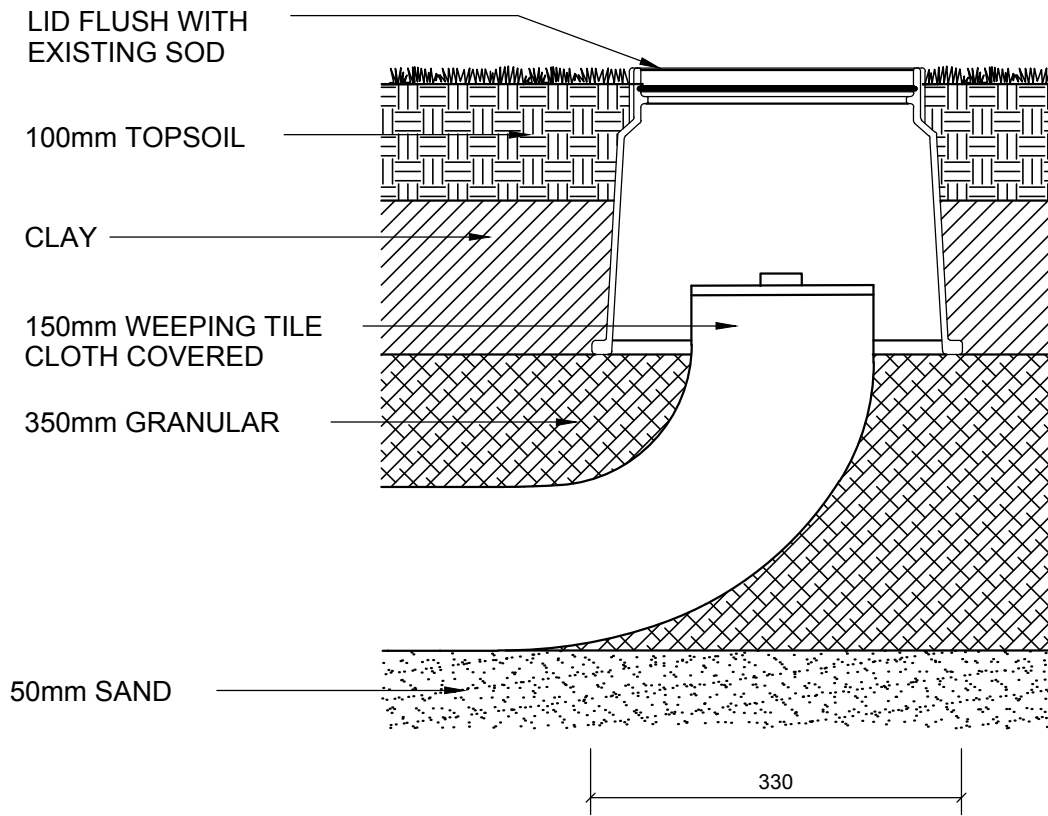
Date	Revisions	By
Feb-2010	Revised layout configuration, titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION - CONTROL BOX INTERIOR LAYOUT		
Designed By:	Approved:	
DENNIS LOWTHIAN		
Date	Scale	
5-Aug-10	NTS	LI-5C
Digital File: LI-5C - Irrigation Control Box with Meter Socket Layout.dwg		



PLAN

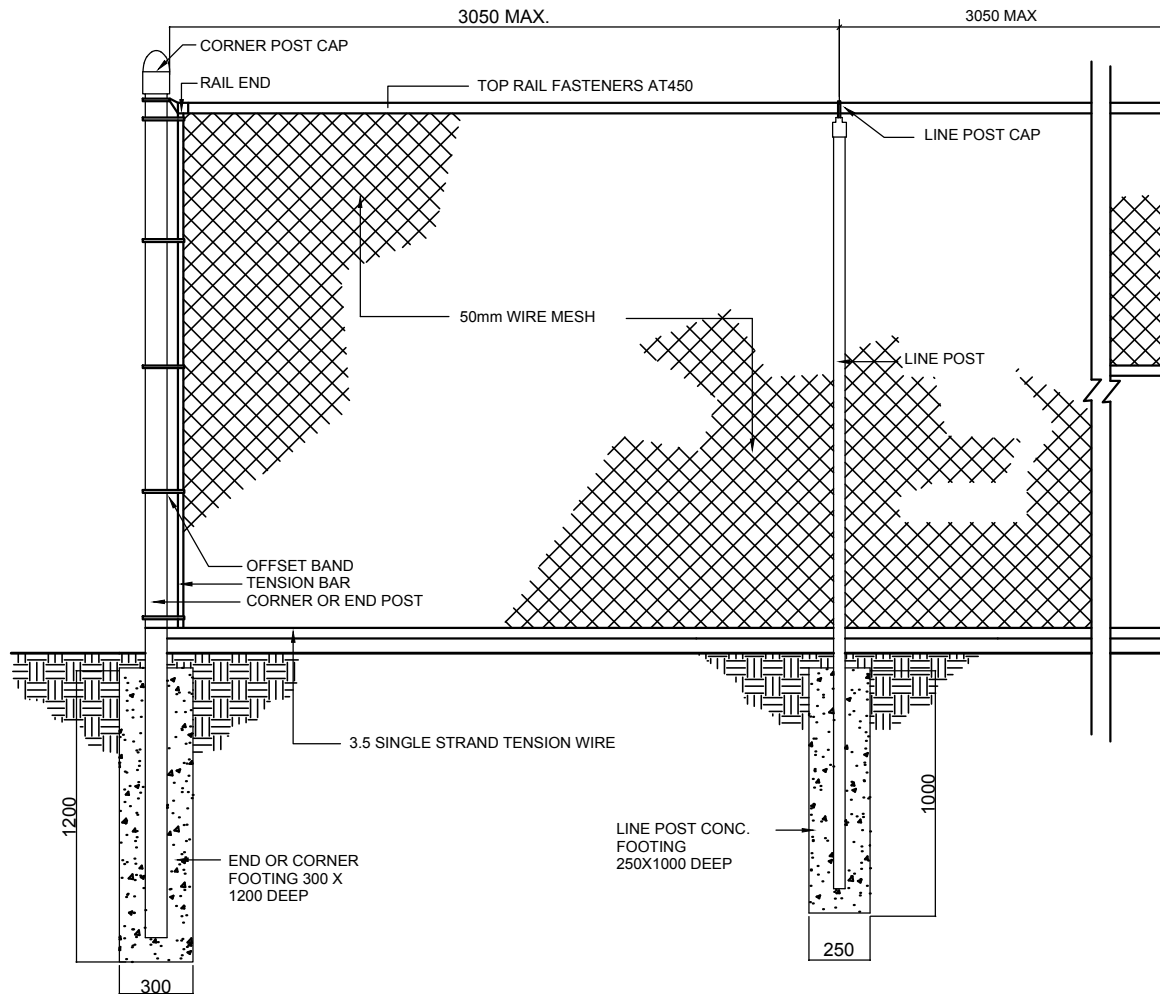


ELEVATION

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
IRRIGATION		
WEEPING TILE CLEANOUT ACCESS CYLINDER		
Designed By:	Approved:	
Date	Scale	LI-6
13-Aug-10	N.T.S.	
Digital File: LI-6 - Weeping Tile Cleanout Access Cylinder.dwg		



1220mm CHAINLINK FENCE

LINE POSTS - 47mm OR 60mm X 1820mm
 CORNER POSTS - 73mm OR 89mm X 2280mm
 TOP RAILS - 33.3mm OR 42.2mm X 6700mm
 LINE POST CAPS - 47mm OR 60mm
 CORNER POST CAPS - 73mm OR 89mm
 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 89mm - FOR CORNER POSTS
 OFFSET BANDS - 73mm OR 89mm - FOR CORNER POSTS
 TENSION BARS - 1220mm

2440mm CHAINLINK FENCE

LINE POSTS - 60mm X 3280mm
 CORNER POSTS - 89mm X 3500mm
 TOP RAILS - 42.2mm X 6700mm
 LINE POST CAPS - 60mm
 CORNER POST CAPS - 89mm
 SLEEVES - 42.2mm
 RAIL ENDS - 42.2mm
 CENTRE BANDS - 60mm - FOR LINE POSTS
 CENTRE BANDS - 89mm - FOR CORNER POSTS
 OFFSET BANDS - 89mm - FOR CORNER POSTS
 TENSION BARS - 2440mm

1830mm CHAINLINK FENCE

LINE POSTS - 47mm OR 60mm X 2670mm
 CORNER POSTS - 73mm OR 89mm X 2900mm
 TOP RAILS - 33.3mm OR 42.2mm X 6700mm
 LINE POST CAPS - 47mm OR 60mm
 CORNER POST CAPS - 73mm OR 89mm
 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 89mm - FOR CORNER POSTS
 OFFSET BANDS - 73mm OR 89mm - FOR CORNER POSTS
 TENSION BARS - 1830mm

NOTE:

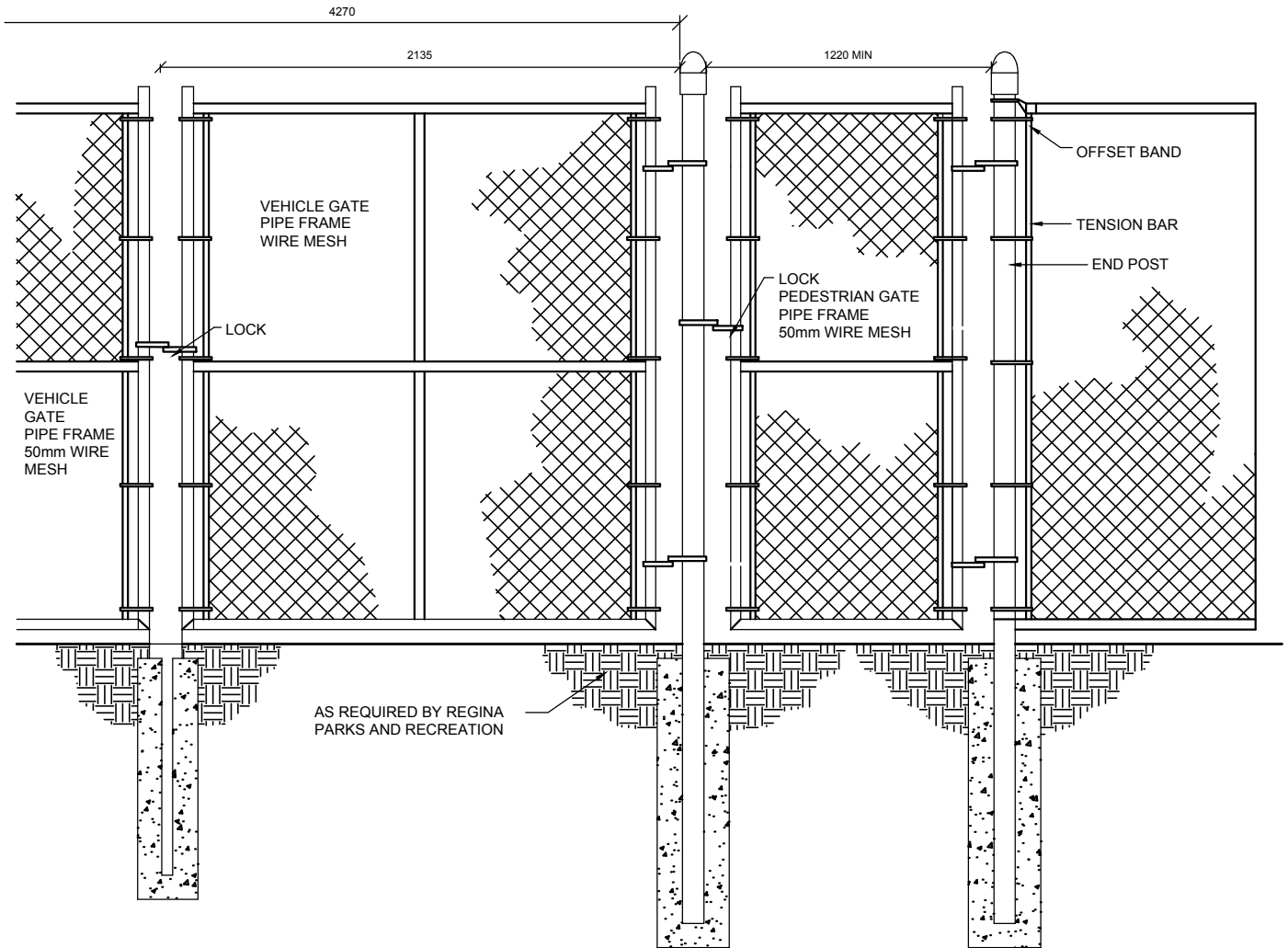
CONCRETE FOOTINGS SHALL BE 25 Mpa.
 USE TENSION WIRE IN PLACE OF TOP RAIL
 WITHIN 10 METRES OF ANY ROADWAY

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
MISCELLANEOUS DETAILS
CHAINLINK FENCE DETAIL

Designed By:		Approved:	
Date	Scale	LM-1A	
13-Aug-10	N.T.S.		
Digital File: LM-1A - Chainlink Fence Detail.dwg			



NOTE: CONCRETE FOOTINGS SHALL BE 25Mpa. STRENGTH

NOTE1: 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

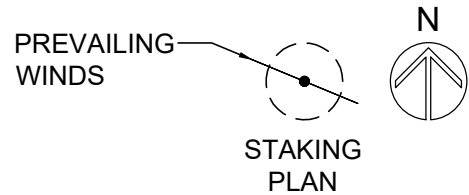
NOTE2: LOCATION OF OPENINGS TO BE DETERMINED ON SITE

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
MISCELLANEOUS DETAILS
CHAINLINK FENCE DETAIL

Designed By:		Approved:	
Date	Scale	LM-1B	
13-Aug-10	N.T.S.		
Digital File: LM-1B - Chainlink Fence Detail.dwg			

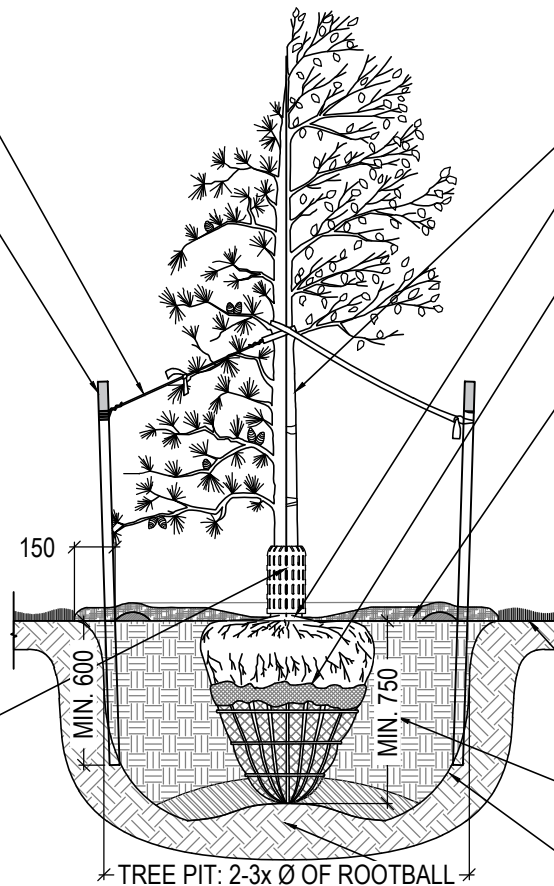


Arbortie tensile guy around trunk.

2 vertical stakes per tree:

- Metal stakes min. 2.44m (8') length plain t-posts (1.33lb/ft) c/w 7 punched holes (1 1/2" x 1 3/8" x 7") or teeth/notches.
- Wood stakes min. 2.44m length squared posts.
- All exposed portions of metal stakes free of rust, sanded, primed & painted.
- Stakes set min. 600mm into undisturbed soil. Do not pierce rootball.
- Large trees to have 3-4 stakes.

Tree Trunk Protection (See LTP-3)



Tree to be set plumb in centre of pit.

Top of root flare to be minimum 25mm above finished grade.

Roll back top 1/3 of burlap & top of wire basket ensuring that no wire is present in top 200mm (8") of soil.

100mm wood mulch over exposed root ball - refer to SPEC 02950

- Taper mulch to root flare, maintain 100mm buffer from trunk. Mulch shall not touch trunk.
- Mulch to extend 150mm beyond edge of well bump.

Finished grade. Re-establish any damaged seed/sod to City of Regina Standards.

Planting soil mix as per City of Regina Specification 02212.

Scarify wall and bottom of pit to a min. Depth of 50mm (2")

Maintain undisturbed pedestal to support root ball.

NOTE:

1. Layout of plant material to be approved by landscape architect or contract administrator prior to installation.
2. Tree pit to be dug by hand or backhoe - tree spade requires approval by contract administrator
3. Secure t-bars to tree @ approx. 2/3 total height above finish grade, clear of branches.
4. Tree shall be pruned immediately after planting to remove dead, broken, diseased, dying or rubbing branches by an ISA-certified arborist. Co-dominant stems less than 100mm (4") Ø at the forks shall be pruned off and one main stem should remain. Tree topping or heading is not permitted at any time.
5. Tree shall be watered same day as planted as per Specification 02950.
6. Stakes, supporting ties and nursery tags to be removed by contractor at end of maintenance period upon acceptance by Open Space Services or contract administrator.

Date	Revisions	By
Feb-2010	Titleblock, detail notes	MF
April-2025	Revised LP-1C + LP-2C	JC

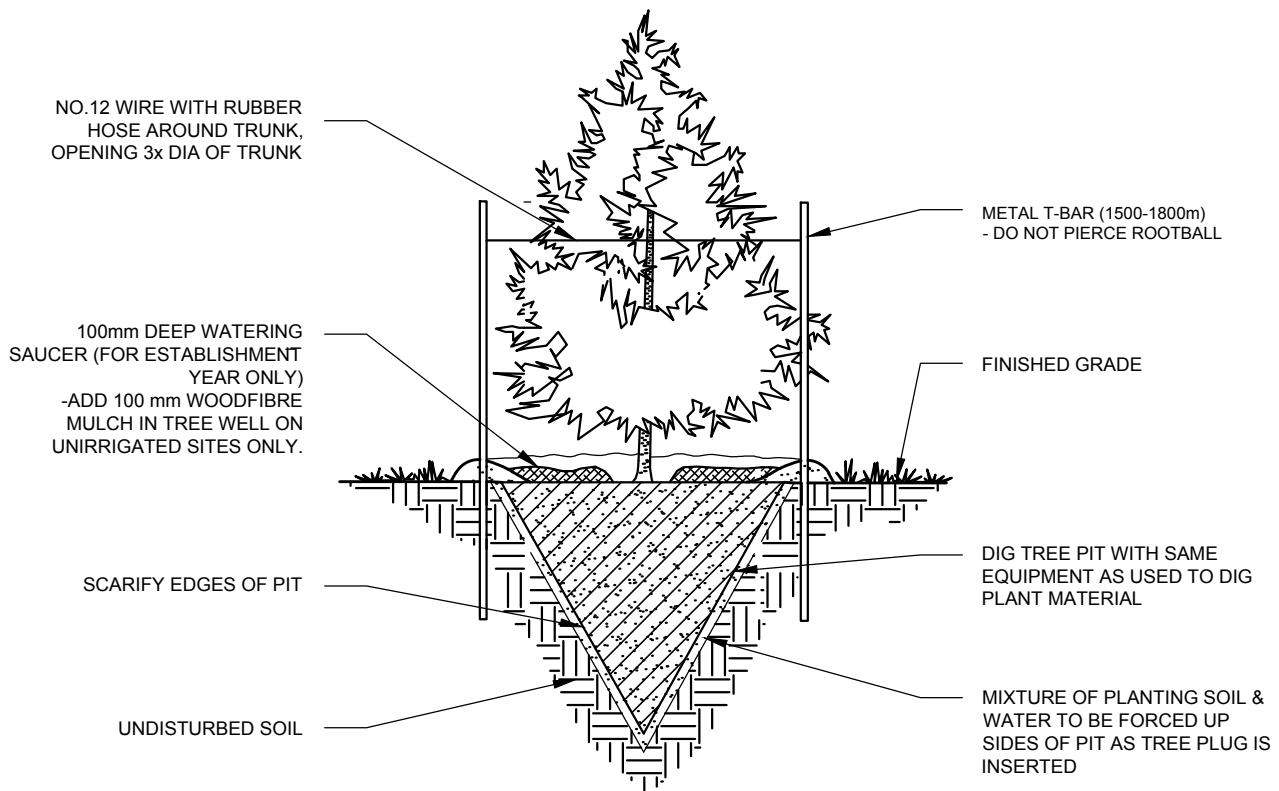


LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE PLANTING
B&B TREE in TREE PIT

Designed By: JC Approved: CB

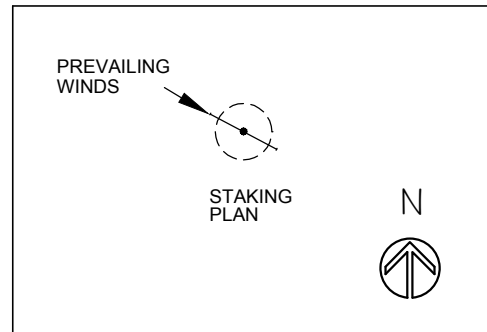
Date: 2025-04-24 Scale: NTS **LP-1**

Digital File: 2025-04-24 LP-1 LP-2 LP-3 LP-4.dwg



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, 1.5m FROM GROUND (CONTACT CITY OF REGINA TO OBTAIN TAGS)
5. REMOVE ALL WRAPPING, FLAGGING TAPE & NURSERY TAGS



Date	Revisions	By
Feb-2010	Titleblock, detail notes	MF

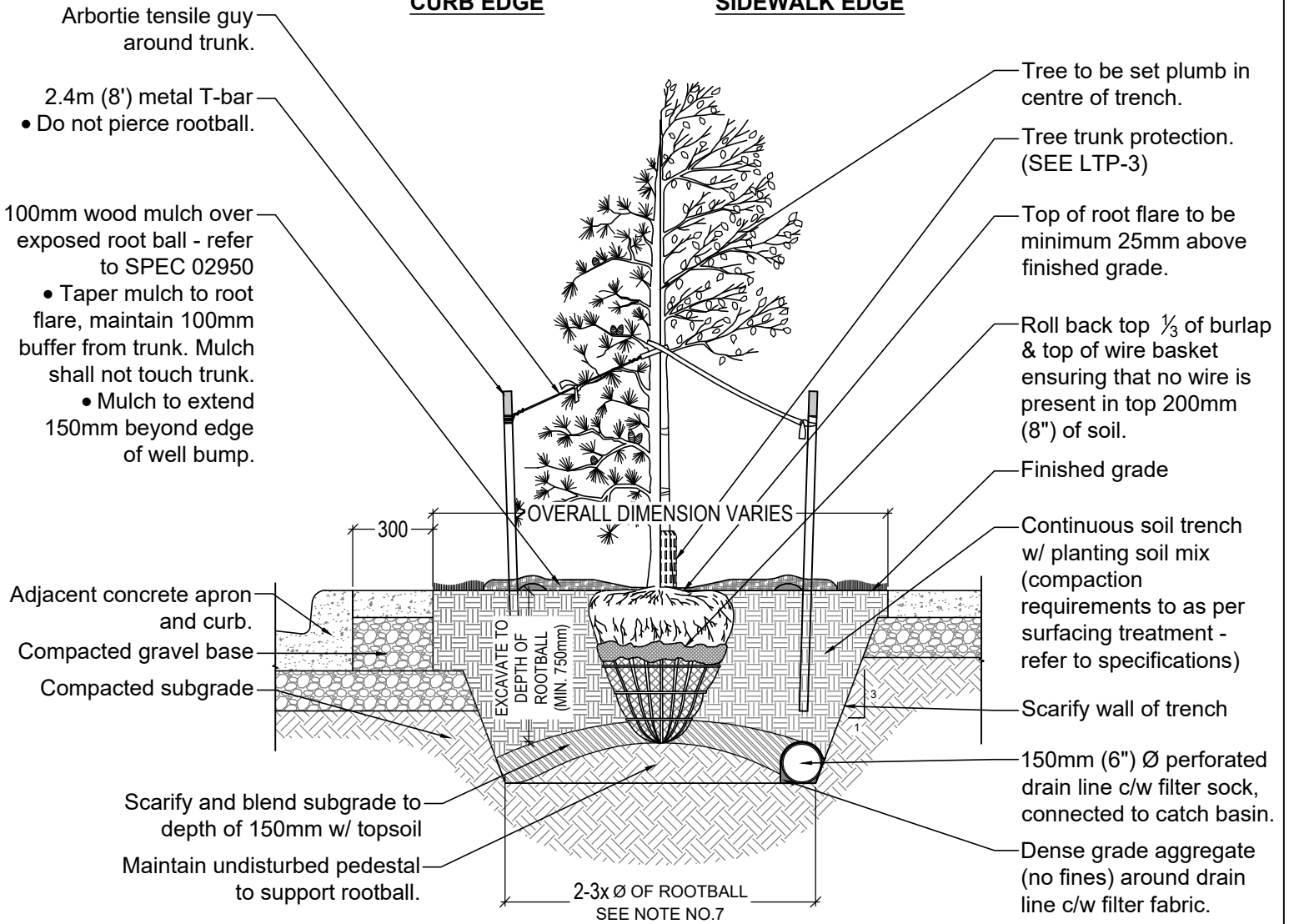


LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE PLANTING		
CONIFEROUS TREE - TREE SPADE		
Designed By:	Approved:	
RAY MORGAN		
Date	Scale	
13-Aug-10	NTS	LP-1E
Digital File:	LP-1E - Coniferous Tree Planting Detail - Tree Spade.dwg	

Stake at 45° to curb w/ stakes toward traffic.  STAKING PLAN

CURB EDGE

SIDEWALK EDGE



NOTE:

1. Layout of plant material to be approved by landscape architect or contract administrator prior to installation.
2. Tree pit to be dug by hand or backhoe - tree spade requires approval by contract administrator
3. Secure t-bars to tree @ approx. 2/3 total height above finish grade, clear of branches.
4. Tree shall be pruned immediately after planting to remove dead, broken, diseased, dying or rubbing branches by an isa-certified arborist. Co-dominant stems less than 100mm (4") Ø at the forks shall be be pruned off and one main stem should remain. Tree topping or heading is not permitted at any time.
5. Tree shall be watered same day as planted as per Specification 02950..
6. Stakes, supporting ties and nursery tags to be removed by contractor at end of maintenance period upon acceptance by landscape architect or contract administrator.
7. Trench width and length to provide 15m³ of planting mix per tree. Less than 15 m³ planting mix per tree upon approval of Open Space Services only.

Date	Revisions	By
Feb-2010	Titleblock	MF
April-2025	Revised LP-6A, Detail notes	JC

City of Regina | 

LANDSCAPE CONSTRUCTION STANDARDS			
LANDSCAPE PLANTING - B&B TREE			
in CONTINUOUS SOIL TRENCH (MEDIAN+SIDEWALK)			
Designed By:	JC	Approved:	CB
Date	2025-04-24	Scale	NTS
			LP-2
Digital File:	2025-04-24 LP-1 LP-2 LP-3 LP-4.dwg		

WHERE APPLICABLE, ENSURE STRONG, DOMINANT LEADER IS PRESENT

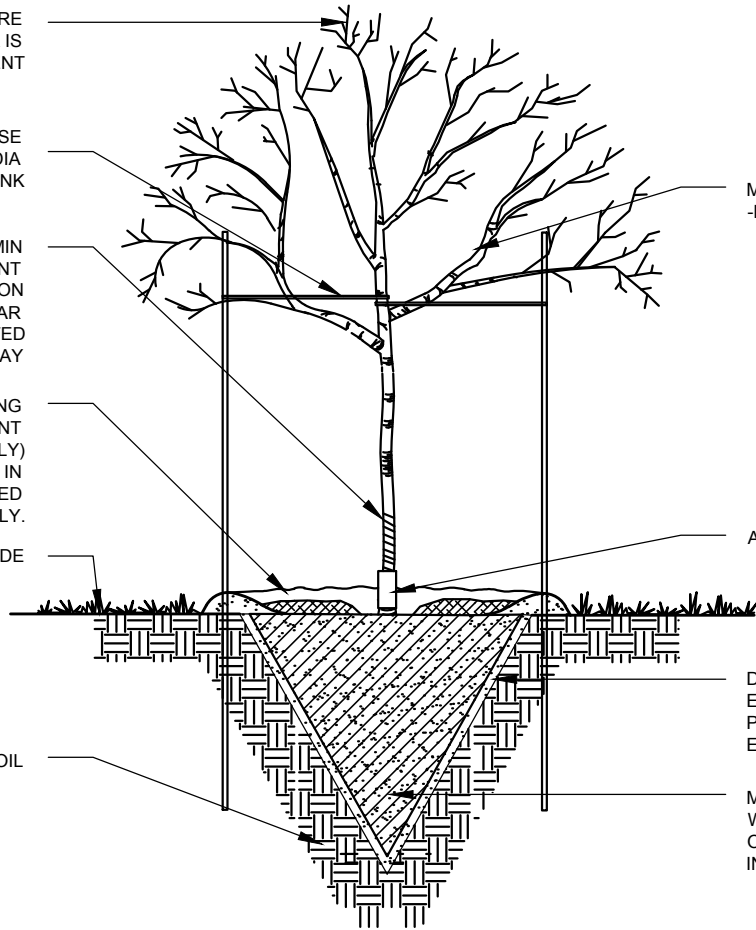
NO.12 WIRE WITH RUBBER HOSE AROUND TRUNK, OPENING 3x DIA OF TRUNK

TREE WRAP APPLIED TO A MIN HEIGHT OF 1000mm FOR RODENT DAMAGE PREVENTION
- APPLIED AFTER SEPT 1 OF YEAR PLANTED
- REMOVE IN MAY

100 mm (4") DEEP MIN. WATERING SAUCER (FOR ESTABLISHMENT YR. ONLY)
- ADD 75 mm WOODCHIP MULCH IN TREE WELLS ON UNIRRIGATED SITES ONLY.

FINISHED GRADE

UNDISTURBED SOIL



METAL T-BAR (1500 - 1800mm)
-DO NOT PIERCE ROOTBALL

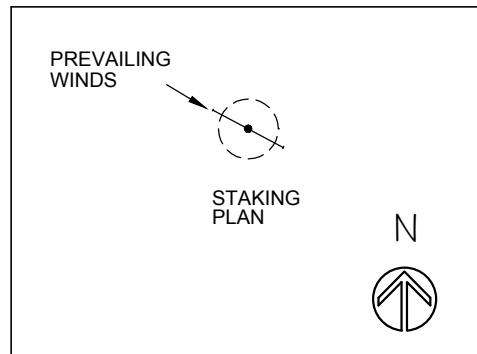
ARBOR GUARD AG9-4

DIG TREE PIT WITH SAME EQUIPMENT AS USED TO DIG PLANT MATERIAL. SCARIFY EDGES OF PIT.

MIXTURE OF PLANTING SOIL & WATER TO BE FORCED UP SIDES OF PIT AS TREE PLUG IS INSERTED

NOTES:

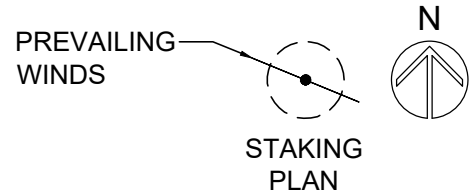
1. DEPENDING ON SITE CONDITIONS, AS WELL AS OTHER FACTORS, STAKING MAY NOT BE REQUIRED
2. TREES 50-150 mm CALIPER TO BE STAKED x2
3. STAKES & WIRE ARE TO BE CLEAR OF BRANCHES
4. ENSURE TREES WATERED SAME DAY AS PLANTED
5. TREES TO BE TAGGED WITH CITY OF REGINA ID TAG. TAGS TO BE LOCATED ON SOUTH SIDE OF TREE ON LATERAL BRANCH, 1.5m FROM GROUND (CONTACT CITY OF REGINA TO OBTAIN TAGS)
6. REMOVE ALL WRAPPING, FLAGGING TAPE & NURSERY TAGS



Date	Revisions	By
Feb-2010	Titleblock, Detail Notes	MF



LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE PLANTING		
DECIDUOUS TREE SPADE DETAIL		
Designed By:	RAY MORGAN	
Date	Scale	Approved:
17-Aug-10	NTS	LP-2F
Digital File: LP-2F - Deciduous Tree Planting Detail - Tree Spade.dwg		

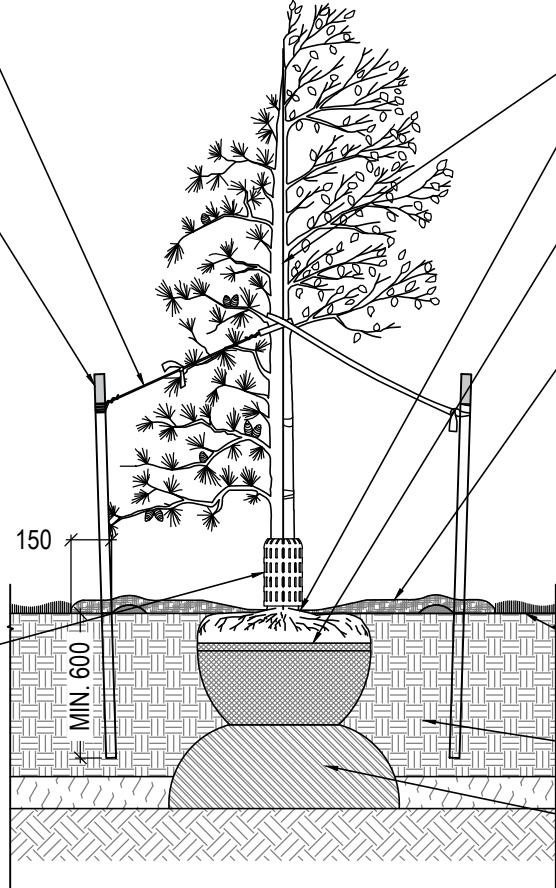


Arbortie tensile guy around trunk.
Ensure opening is 3X dia. of trunk.

2 vertical stakes per tree:

- Metal stakes min. 2.44m (8') length plain t-posts (1.33lb/ft) c/w 7 punched holes (1 1/2" x 1 3/8" x 7") or teeth/notches.
- Wood stakes min. 2.44m length squared posts.
- All exposed portions of metal stakes free of rust, sanded, primed & painted.
- Stakes set min. 600mm into undisturbed soil. Do not pierce rootball.
- Large trees to have 3-4 stakes.

Tree Trunk Protection (See LTP-3)



Tree to be set plumb in centre of pit.

Top of root flare to be minimum 25mm above finished grade.

Roll back top 1/3 of burlap & top of wire basket ensuring that no wire is present in top 200mm (8") of soil.

100mm wood mulch over exposed root ball - refer to SPEC 02950
Taper mulch to root flare, maintain 100mm buffer from trunk. Mulch shall not touch trunk.

- Mulch to extend 150mm beyond edge of well bump.

Finished grade. Re-establish any damaged seed/sod to City of Regina Standards.

Planting soil mix as per City of Regina Specification 02212.

Compacted mound to support root ball

NOTE:

1. Layout of plant material to be approved by landscape architect or contract administrator prior to installation.
2. Secure t-bars to tree @ approx. 2/3 total height above finish grade, clear of branches.
3. Tree shall be pruned immediately after planting to remove dead, broken, diseased, dying or rubbing branches by an ISA-certified arborist. Co-dominant stems less than 100mm (4") Ø at the forks shall be pruned off and one main stem should remain. Tree topping or heading is not permitted at any time.
4. Tree shall be watered same day as planted as per Specification 02950.
5. Stakes, supporting ties and nursery tags to be removed by contractor at end of maintenance period upon acceptance by Open Space Services or contract administrator.

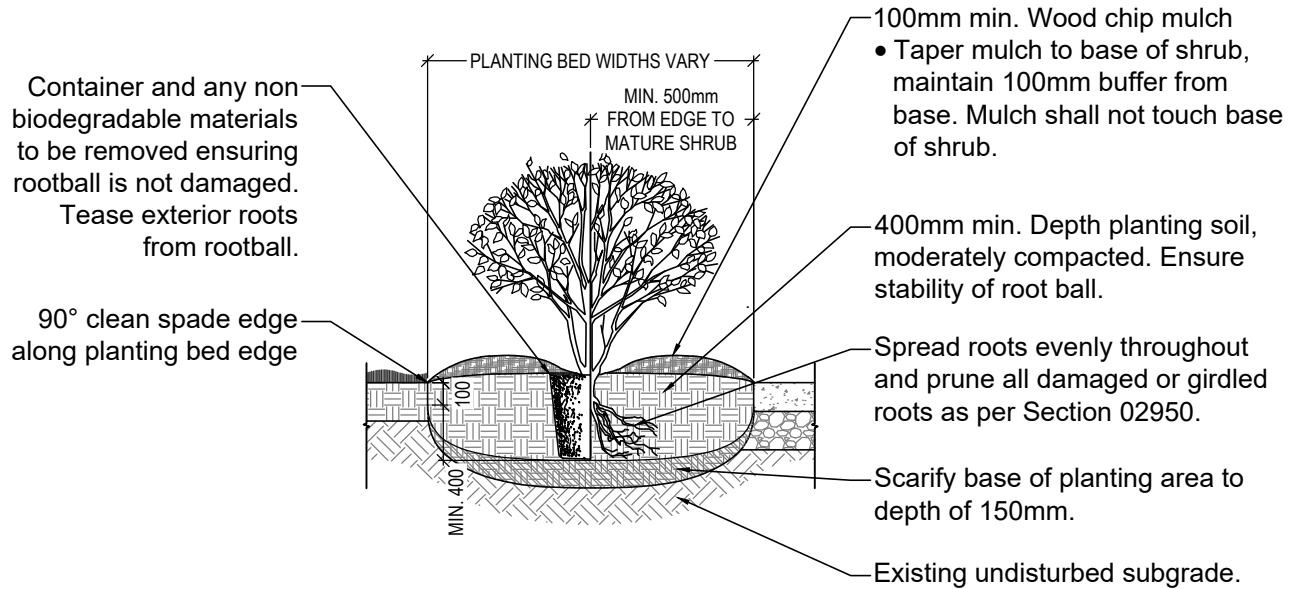
Date	Revisions	By
Feb-2010	Titleblock, detail notes	MF
June-2025	Revised LP-7	JC



LANDSCAPE CONSTRUCTION STANDARDS			
LANDSCAPE PLANTING			
B&B TREE in PLANTING BED			
Designed By:	JC	Approved:	CB
Date	2025-06-09	Scale	NTS
Digital File:	2025-06-09 LP-1 LP-2 LP-3 LP-4.dwg		
			LP-3

CONTAINER GROWN

BARE-ROOT STOCK



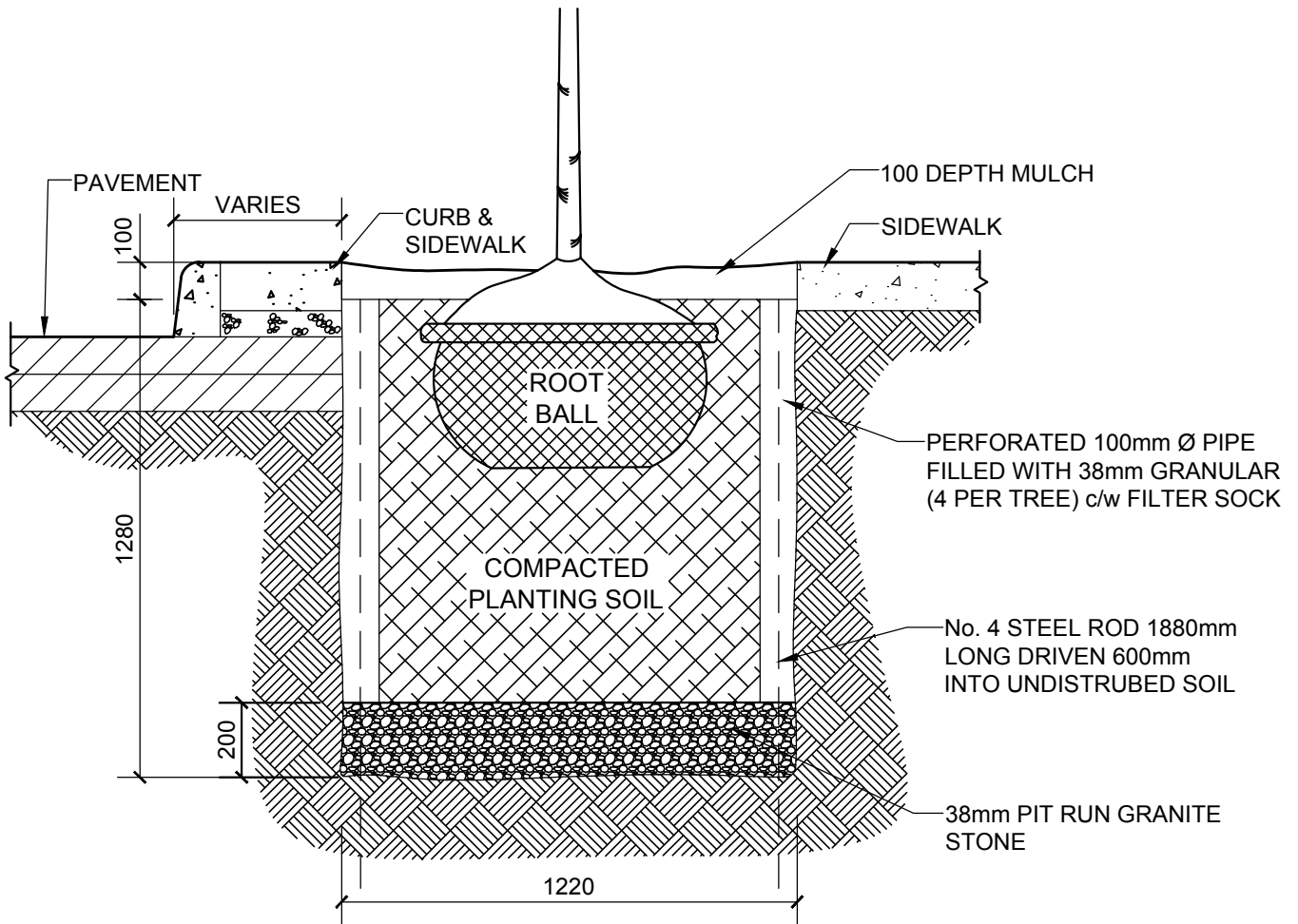
NOTE:

1. Dig all root holes by hand when closer than 1.5m of utilities including power, telephone and gas. Notify contract administrator if any planting beds or material placements cannot be accommodated due to utility conflicts.
2. Staking and/or supporting of shrubs only needed to maintain form as indicated by the contract administrator.
3. Ensure plants watered same day as planted.
4. Stakes, supporting ties and nursery tags to be removed by contractor at end of maintenance period upon acceptance by landscape architect or contract administrator.

Date	Revisions	By
Feb-2010	Titleblock, detail notes	MF
April- 2025	Revised LP-7, Detail notes.	JC

City of Regina | **REGINA**
Infinite Horizons

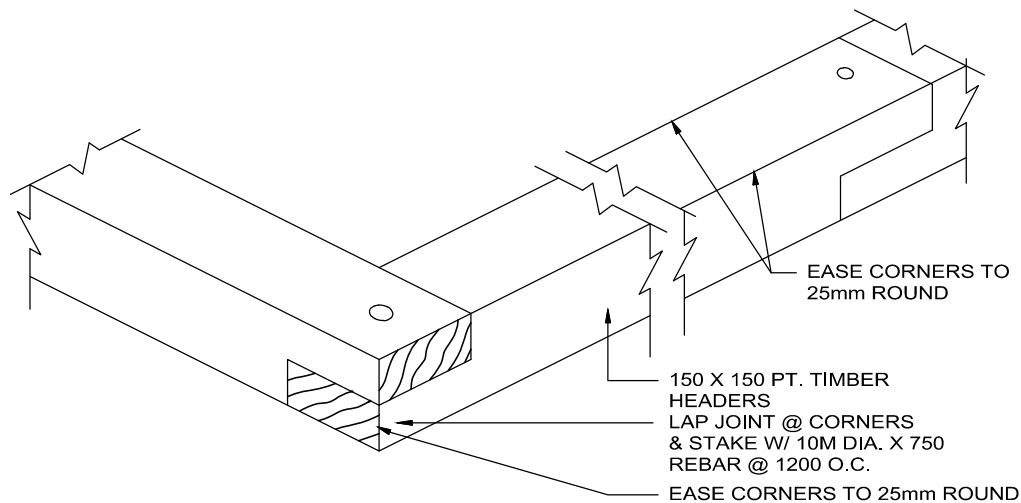
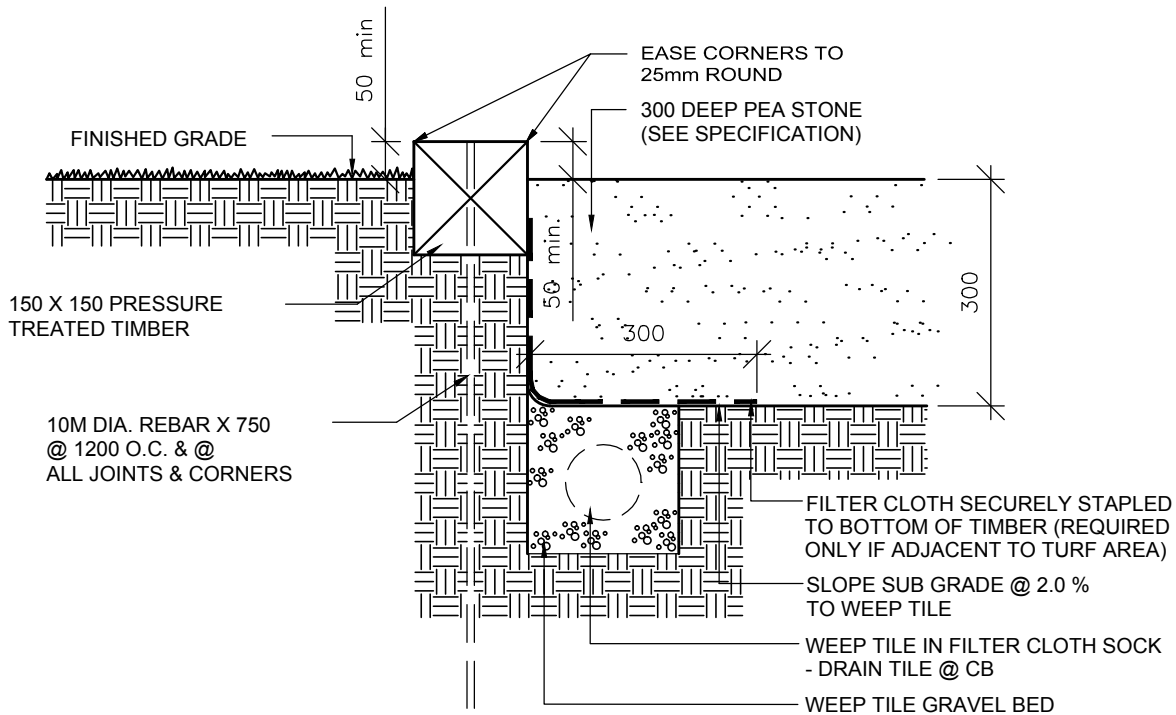
LANDSCAPE CONSTRUCTION STANDARDS			
LANDSCAPE PLANTING			
SHRUBS, PERENNIALS in PLANTING BED			
Designed By:	JC	Approved:	CB
Date	2025-04-24	Scale	NTS
Digital File:			2025-04-24 LP-1 LP-2 LP-3 LP-4.dwg
			LP- 4



Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE PLANTING		
SIDEWALK TREE PLANTING		
Designed By:	Approved:	
Date	Scale	LP-5
13-Aug-10	N.T.S.	
Digital File: LP-5 - Sidewalk Tree Planting Detail.dwg		



NOTES:
TREAT ALL JOINTS & ENDS W/ 2 COATS CUPRINAL.
PURCHASE "EASED EDGE" TIMBERS THAT HAVE PRE-ROUNDED CORNERS.

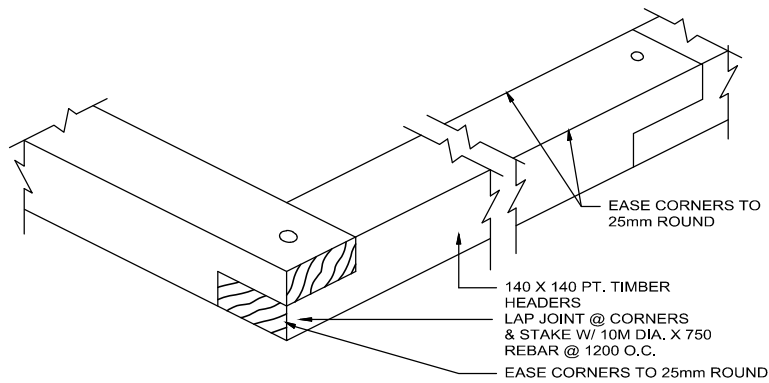
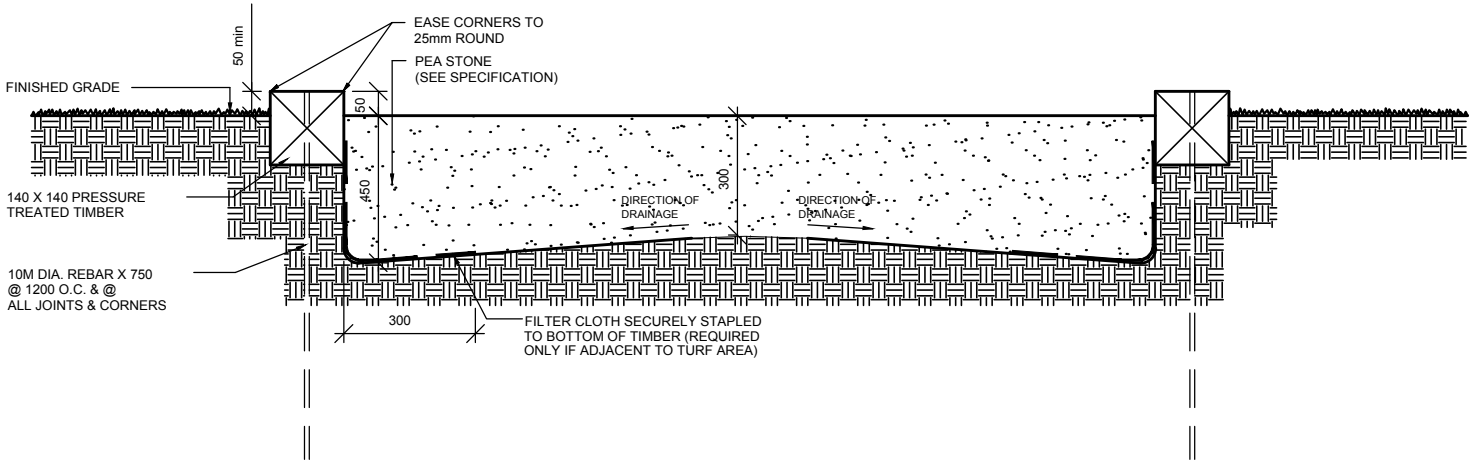
SPECIFICATION:
PEASTONE: ROUNDED WASHED ROCK

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE SURFACE
TIMBER EDGE & CORNER DETAIL

Designed By:		Approved:	
Date	Scale	LS-3A	
13-Aug-10	N.T.S.		
Digital File: LS-3A - Timber Edge and Corner Detail.dwg			



NOTE:
PEASTONE: ROUNDED WASHED ROCK COMPOSED OF HARD, STRONG, DURABLE, MINERAL PARTICALS WHICH ARE FREE FROM INJURIOUS AMOUNTS OF SALINE, ALKALINE, ORGANIC OR OTHER DELETRIOUS MATERIALS, TO MEET THE FOLLOWING GRADATIONS:

IOS SEIVE SIZE	PERCENT PASSING
12mm	100
5mm	0 - 10
2mm	0 - 1

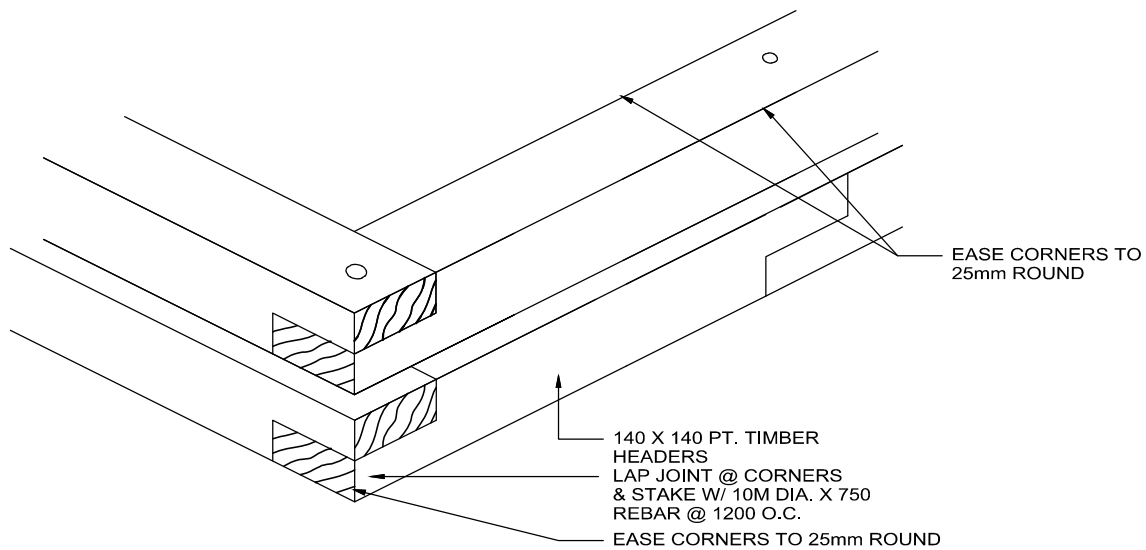
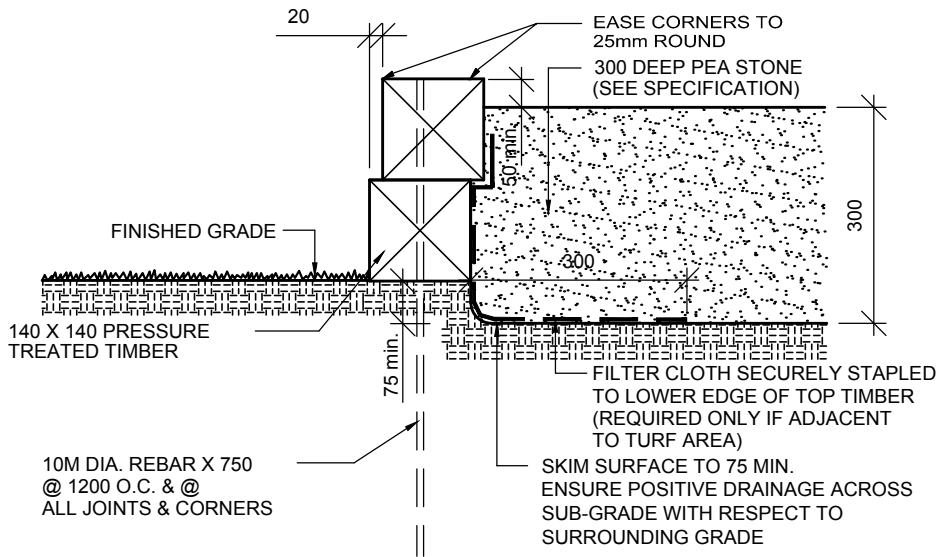
NOTES:
TREAT ALL JOINTS & ENDS W/ 2 COATS CUPRINAL
PURCHASE "EASED EDGE" TIMBERS THAT HAVE PRE-ROUNDED CORNERS.

SPECIFICATION:
PEASTONE: ROUNDED WASHED ROCK

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE SURFACE		
TIMBER EDGE & CORNER DETAIL		
Designed By:	Approved:	
Date	Scale	LS-3B
13-Aug-10	N.T.S.	
Digital File: LS-3B - Timber Edge and Corner Detail.dwg		



NOTE:
PEASTONE: ROUNDED WASHED ROCK COMPOSED OF HARD, STRONG, DURABLE, MINERAL PARTICALS WHICH ARE FREE FROM INJURIOUS AMOUNTS OF SALINE, ALKALINE, ORGANIC OR OTHER DELETRIOUS MATERIALS, TO MEET THE FOLLOWING GRADATIONS:

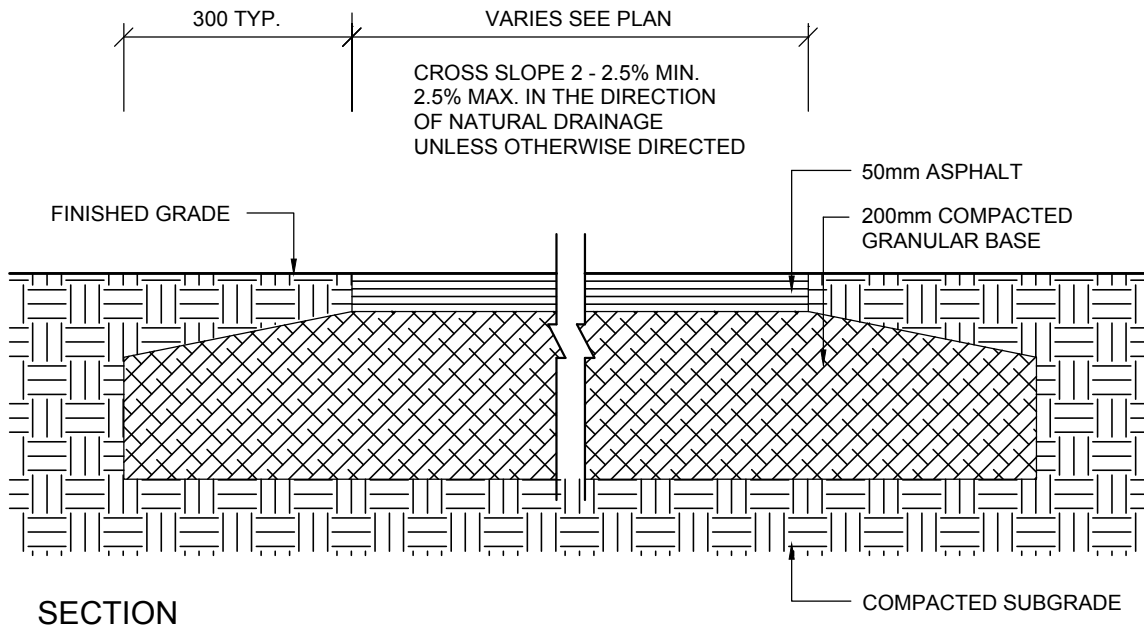
IOS SEIVE SIZE	PERCENT PASSING
12mm	100
5mm	0 - 10
2mm	0 - 1

Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS
LANDSCAPE SURFACE
ABOVE GRADE TIMBER EDGE & CORNER

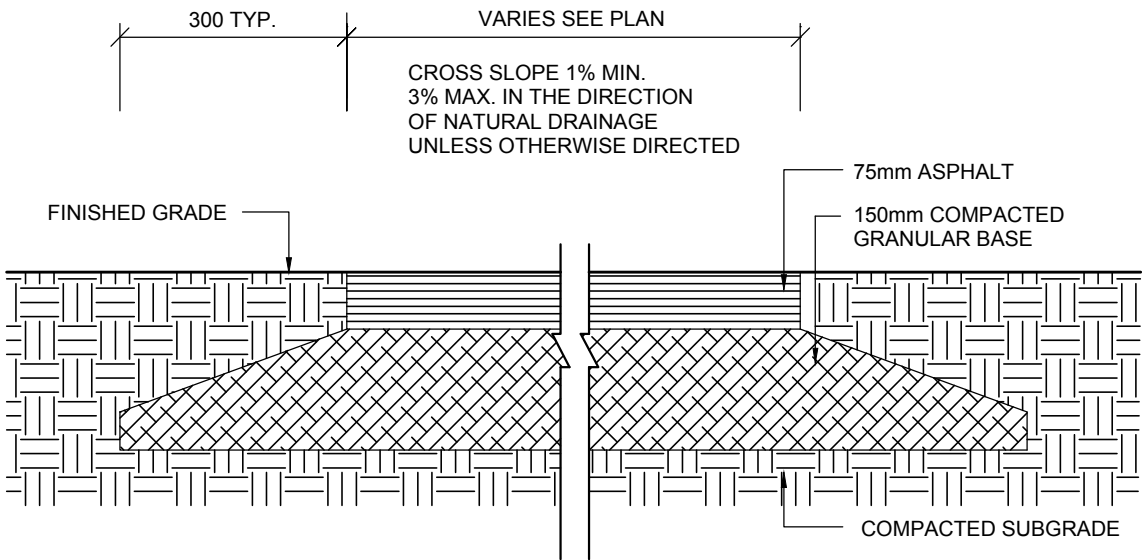
Designed By:	Approved:
Date 13-Aug-10	Scale N.T.S.
LS-3C	
Digital File: LS-3C - Above Grade Timber Edge and Corner Detail.dwg	



Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE SURFACE		
ASPHALT PATHWAY DETAIL (TYPE A)		
Designed By:	Approved:	
Date	Scale	LS-6A
13-Aug-10	N.T.S.	
Digital File: LS-6A - Asphalt Pathway Detail (Type A).dwg		



Date	Revisions	By
Feb-2010	Titleblock	MF

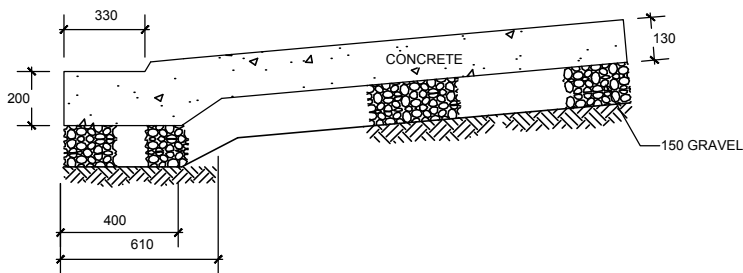
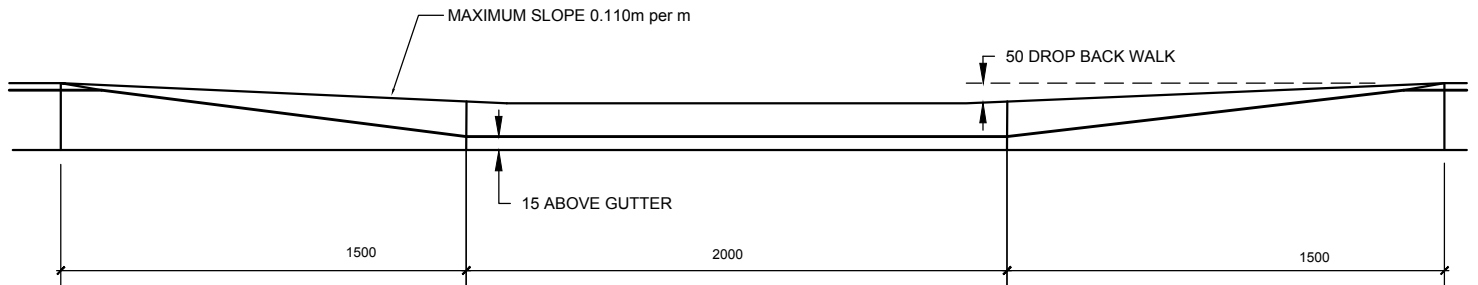
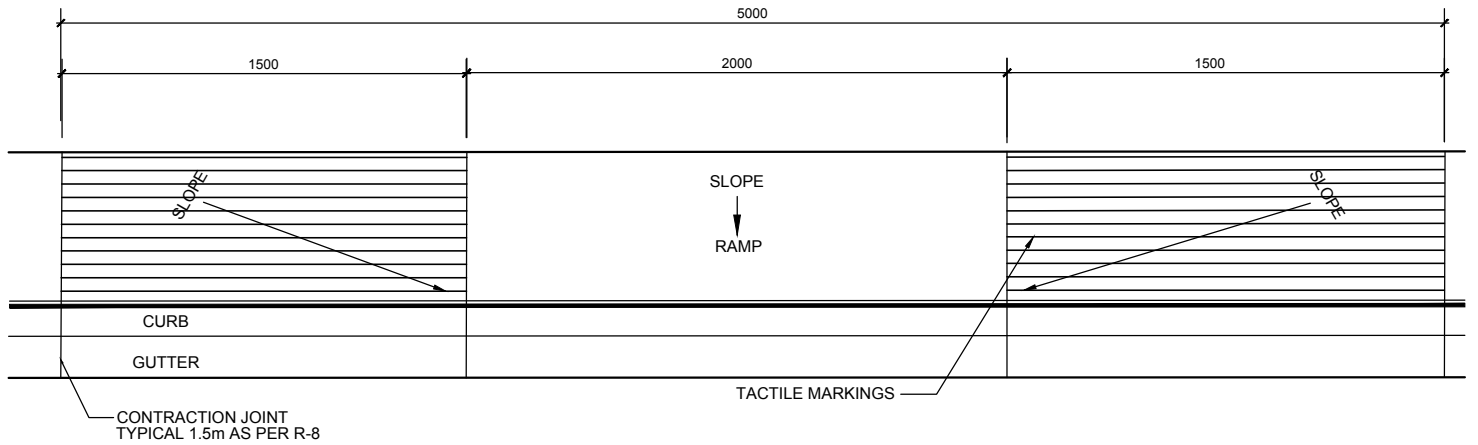


LANDSCAPE CONSTRUCTION STANDARDS

LANDSCAPE SURFACE

ASPHALT PATHWAY (TYPE B)

Designed By:		Approved:	
Date	Scale	LS-6B	
13-Aug-10	N.T.S.		
Digital File: LS-6B - Asphalt Pathway Detail (type B).dwg			



Date	Revisions	By
Feb-2010	Titleblock	MF



LANDSCAPE CONSTRUCTION STANDARDS		
LANDSCAPE SURFACE		
PATHWAY RAMP AT MID BLOCK CROSSING		
Designed By:	Approved:	
Date	Scale	
13-Aug-10	N.T.S.	LS-7
Digital File:	LS-7 - Pathway Ramp at Midblock Crossing.dwg	

Arbortie tensile guy around trunk.

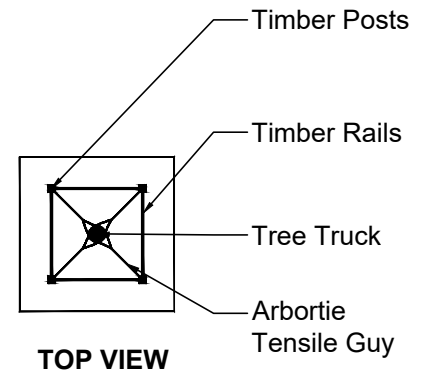
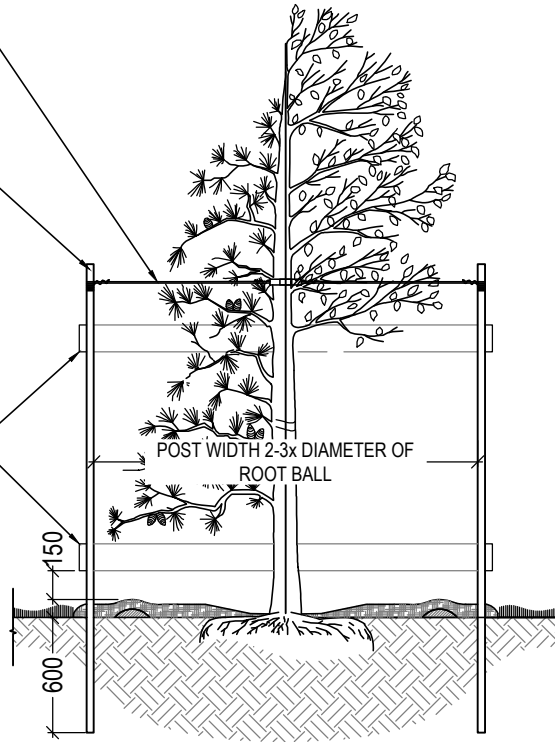
38 x 140mm pressure-treated wood posts, min. 2.44m

- Pound posts 600mm plumb into ground @ 700mm o/c.

- Creosote-treated lumber is unacceptable.

38 x 140mm pressure-treated wood rails

- Fasten with coated deck screws, countersunk
- Ease exposed edges
- Creosote-treated lumber unacceptable

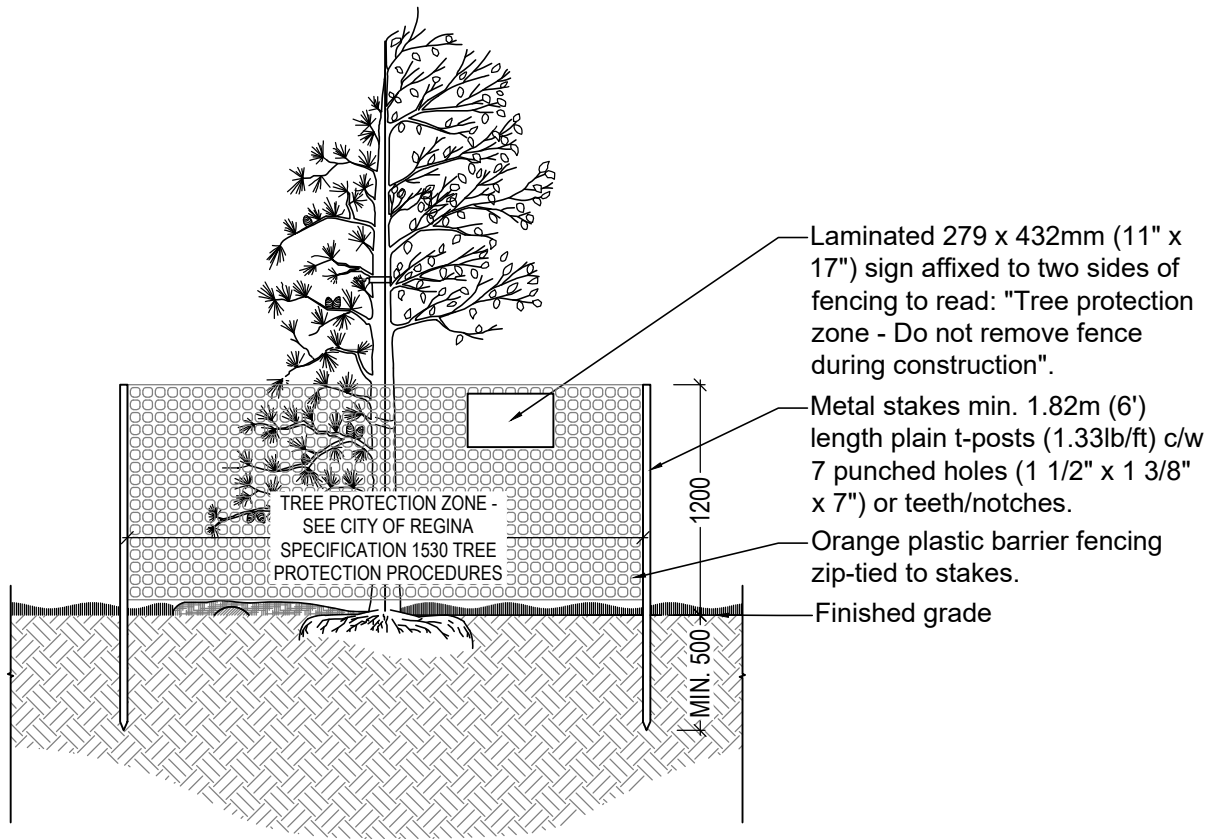


Date	Revisions	By
Feb-2010	Titleblock, detail notes	MF
Nov-2024	Detail notes	JC



LANDSCAPE CONSTRUCTION STANDARDS
**TREE PROTECTION
TIMBER HOARDING**

Designed By: JC		Approved: CB	
Date: 21-NOV-24	Scale: NTS	LTP-1	
Digital File: 2025-02-21 LTP-1 LTP-2 LTP-3.dwg			



NOTE:

- No ground disturbances permitted within the tree protection zone for any trees slated for protection.

Date	Revisions	By
FEB-2025	New detail	JC

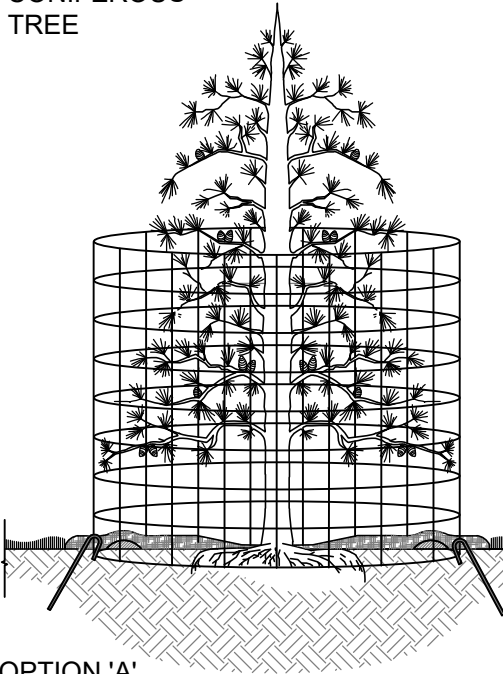


LANDSCAPE CONSTRUCTION STANDARDS

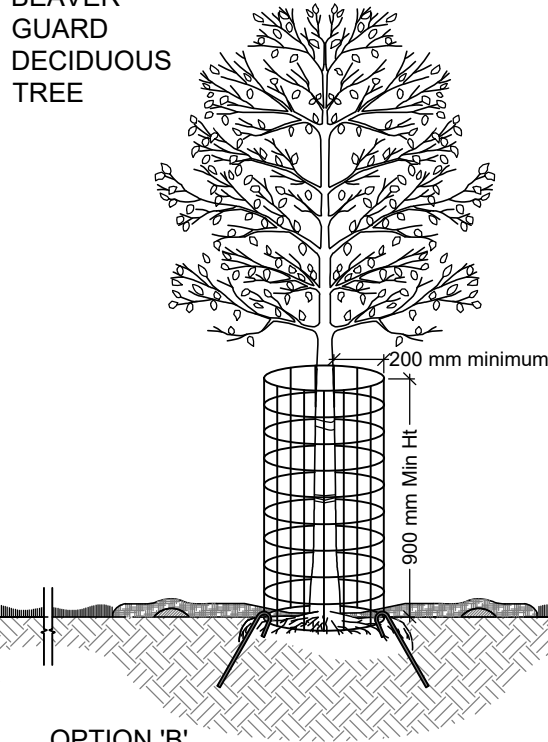
TREE PROTECTION BARRIER FENCING

Designed By:		JC	Approved:		CB
Date	21-FEB-25	Scale	NTS	LTP-2	
Digital File:	2025-02-21 LTP-1 LTP-2 LTP-3.dwg				

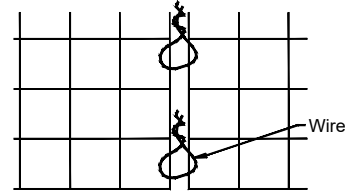
BEAVER
GUARD
CONIFEROUS
TREE



BEAVER
GUARD
DECIDUOUS
TREE



CONNECTION DETAIL



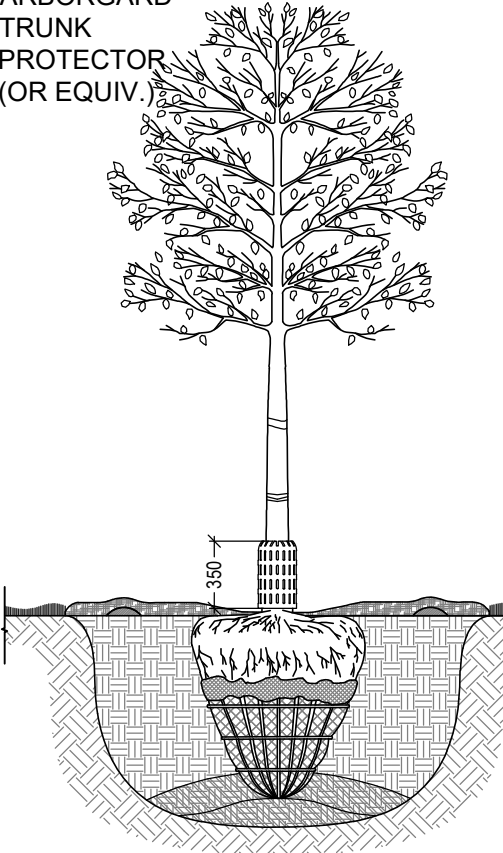
Secure ends of stucco wire with galvanized wire ties. To prevent injury, wire ties shall be twisted such that the sharp ends are facing inside the cage.

NOTE:

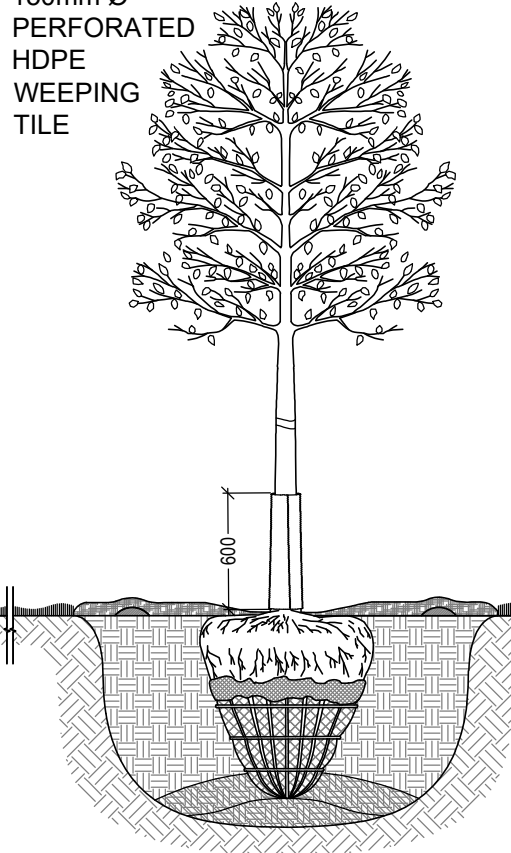
Beaver Guard

1. 50mm*50mm#16 gauge stucco wire, min 900mm ht.
2. Bury bottom of mesh 50-75mm below surface. Secure to ground with rebar anchors, 300mm long with 100 mm bent over to create hook. Alternate anchor methods to be approved by open space services.
3. Hook over bottom horizontal wire and drive completely into ground ensuring rootball is not pierced.
4. Beaver guards to be installed on all coniferous trees.
5. Beaver guard to be installed on deciduous trees located away from snow dump locations (e.g. Medians etc.)
6. Beaver guards shall be left in place for duration of maintenance period.

OPTION 'A'
ARBORGARD
TRUNK
PROTECTOR
(OR EQUIV.)



OPTION 'B'
150mm Ø
PERFORATED
HDPE
WEEPING
TILE



NOTE :

1. All deciduous trees shall have trunk protection installed. Trunk protection may be beaver guard, arborguard, or 150mm perforated HDPE weeping tile.
2. Alternate trunk protection methods to be approved by open space services.
3. Spiral tree wraps are no longer accepted.
4. Trunk protection for deciduous trees shall be left in place for duration of maintenance period.

Date	Revisions	By
Feb-2010	New details	MF
FEB-2025	Detail notes, add trunk protection styles	JC


REGINA
 Infinite Horizons

LANDSCAPE CONSTRUCTION STANDARDS		
TREE PROTECTION		
TRUNK PROTECTION		
Designed By:	JC	Approved: CB
Date	21-FEB-25	Scale NTS
Digital File:		2025-02-21 LTP-1 LTP-2 LTP-3.dwg
		LTP- 3