

BANK RESTORATION STRATEGY NOTES:

- ALL WORK SHALL CONFORM TO THE DESIGN STANDARDS SET OUT IN THE ALBERTA TRANSPORTATION'S EROSION AND SEDIMENT CONTROL MANUAL - BMP #27A
- WILLOW STAKES SHALL BE 1 M LONG WITH APPROXIMATELY 0.8 M OF THE STAKE UNDERGROUND TO PREVENT THE STAKE FROM WASHING AWAY DURING TIMES OF HIGH FLOWS.
- WILLOW STAKES NEAR THE WATER'S EDGE SHOULD BE ANGLED WITH THE DIRECTION OF FLOW TO ENSURE THEY DO NOT GET DISLODGED BY HIGH FLOWS
- LIVE STAKES TO BE INSTALLED APPROXIMATELY 50CM APART AND IN STAGGERED ROWS
- AS A TEMPORARY EROSION SEDIMENT AND CONTROL MEASURE, COVER THE SLOPE WITH A ROLLED EROSION CONTROL PRODUCT THAT WILL ALLOW THE SEED TO GERMINATE AND GRASS TO GROW THROUGH (E.G., COCO MATTING) OR HYDROSEED WITH A TACKIFIER
- WATERING OF THE SITE SHALL BE COMPLETED WEEKLY DURING MAY AND SEPTEMBER AND TWICE WEEKLY DURING JUNE, JULY AND AUGUST OF THE FIRST GROWING SEASON

OPEN RIPARIAN FOREST SEED MIX:

ONCE WHIPS, PLUGS, AND LIVE STAKES ARE INSTALLED SEED THE ENTIRE SLOPE WITH OPEN RIPARIAN FOREST GRASS SEED MIX AS FOLLOWS:

- 25% WESTERN WHEAT GRASS
- 15% SLENDER WHEAT GRASS
- 15% ROCKY MOUNTAIN FESCUE
- 10% GREEN NEEDLE GRASS
- 10% TUFTED HAIR GRASS
- 10% JUNE GRASS
- 10% FOWL BLUEGRASS
- 5% ROUGH HAIRGRASS

SEED MIX BROADCAST RATE = MINIMUM 40 kg/ha

OPEN RIPARIAN FOREST SEED MIX WITH PLUG AND WHIP VEGETATION - ABOVE NHWL:

TREES @ 1 PER 7 SQ.M; (QTY @ 555 SQ.M = 79)
 BALSAM POPLAR (POPULUS BALSAMIFERA);
 GOLDEN WILLOW (SALIX ALBA 'VITELLINA')

ALL TREES WHIPS TO BE PLANTED IN GROUPINGS OF 5 OF EACH SPECIES WITH SPACING AT 7m O.C. IN STAGGERED ROWS

SHRUBS @ 1 PER 2 SQ.M; (QTY @ 555 SQ.M = 278)
 RED OSIER DOGWOOD (CORNUS SERICEA);
 BEBB'S WILLOW (SALIX BEBBIANA);
 BASKET/MEADOW WILLOW (SALIX PETIOLARIS);
 LOWBUSH CRANBERRY (VIBURNUM EDULE)

ALL SHRUBS PLUGS TO BE PLANTED IN GROUPINGS OF 15 OF EACH SPECIES WITH SPACING AT 1m O.C. IN STAGGERED ROWS

OPEN RIPARIAN FOREST SEED MIX WITH PLUG VEGETATION - BELOW NHWL:

SHRUBS @ 1 PER 2 SQ.M; (QTY @ 168 SQ.M = 84)
 SANDBAR WILLOW (SALIX EXIGUA);

ALL SHRUBS PLUGS TO BE PLANTED IN GROUPINGS OF 15 WITH SPACING AT 1m O.C. IN STAGGERED ROWS

LIVE STAKING IN CLASS 1 HEAVY ROCK RIP RAP (REFER TO BRIDGE DRAWINGS FOR RIP RAP):

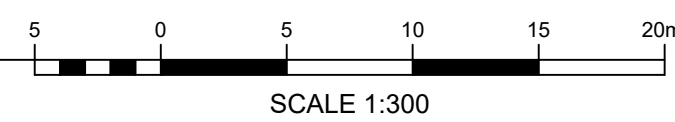
LIVE STAKES @ 1 PER 0.5 SQ.M; (QTY @ 466 SQ.M = 932)
 SANDBAR WILLOW (SALIX EXIGUA)

ALL LIVE STAKES TO BE PLANTED WITH SPACING AT 0.5m O.C. IN STAGGERED ROWS

LEGEND:

- LIMIT OF CONSTRUCTION - REFER TO CIVIL DRAWINGS
- EXISTING 0.2m CONTOURS
- APPROXIMATE EXTENT OF EXISTING VEGETATION TO REMAIN
- EXISTING TREE TO REMAIN AND BE PROTECTED
- EXISTING FENCE TO REMAIN
- 1.22m METAL RIVERBANK FENCE
- ALUMINUM EDGER
- SPADE EDGE
- VERTICAL ROOT BARRIER - 450mm DEPTH
- CONCRETE UPSTAND
- DECORATIVE BROOM-FINISHED CONCRETE, LINES INDICATE DIRECTION OF BROOMING
- DECORATIVE SAND-BLASTED CONCRETE
- ARC PATTERNED WOOD BULL FLOAT FINISH CONCRETE
- ASPHALT TRAIL
- PLANTING BED - 600mm DEPTH TOPSOIL AND 100mm DEPTH BARK MULCH
- SOD - 150mm DEPTH TOPSOIL
- HYDROSEED - 150mm DEPTH TOPSOIL
- OPEN RIPARIAN FOREST SEED MIX - 150mm DEPTH TOPSOIL
- OPEN RIPARIAN FOREST SEED MIX WITH PLUG AND WHIP VEGETATION - ABOVE NHWL
- OPEN RIPARIAN FOREST SEED MIX WITH PLUG VEGETATION - BELOW NHWL
- LIVE STAKING IN CLASS 1 HEAVY ROCK RIP RAP
- CLASS 2 HEAVY ROCK RIP RAP - REFER TO BRIDGE DRAWINGS FOR LAYOUT AND QUANTITIES
- RELOCATED INTERPRETIVE BOULDER WITH MOUNTED PLAQUE/ENGRAVING BY CoRD
- CITY OF RED DEER P-BOLLARD
- BIKE RACK
- PEDESTRIAN LIGHTING BOLLARD - REFER TO ELECTRICAL DRAWINGS
- CITY OF RED DEER DOWNTOWN WASTE RECEPTACLE
- CITY OF RED DEER DOWNTOWN METAL BENCH
- CITY OF RED DEER DOWNTOWN METAL PICNIC TABLE

1 SOIL AND PLANTING PLAN - NORTH BANK
L104 1:300



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△	2025-01-08	ISSUED FOR CONSTRUCTION	WP
△	2024-07-17	ISSUED FOR QUOTATION	WP
REV	DATE	REVISIONS	BY

2025-01-08
The Alberta Association of Landscape Architects

 William Packolyk
 #380



CPR PEDESTRIAN BRIDGE REHABILITATION
 LANDSCAPE DEVELOPMENT

SOIL AND PLANTING PLAN - NORTH BANK

DATE	PROJECT NO.	SHEET	DRAWING
2025-01-08	781-001		L104