



- NOTES**
- SEE DRAWING CV-02-01 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
 - ENVIRONMENTAL MEASURES AS PER SPECIFICATIONS.
 - MAINTAIN MINIMUM ENVIRONMENTAL FLOW OF 1.5 cfs UP TO 2.5 cfs BY PUMPING, PIPING OR OTHER MEANS IN ORDER TO PASS CLEAN LAKE WATER FROM UPSTREAM OF NEW DAM TO DISCHARGE POINT DOWNSTREAM OF OLD DAM DURING STREAM CHANNEL DEVELOPMENT AND OLD DAM DEMOLITION.
 - STREAM BED ENVIRONMENTAL REHABILITATION AND DAM DEMOLITION MUST BE SUBSTANTIALLY COMPLETED WITHIN A THREE WEEK PERIOD TO ALLOW FOR PASSAGE OF WATER THROUGH THE NEW STREAM CHANNEL. SCHEDULING OF THIS WORK IS DEPENDENT ON WATER WORK RESTRICTION AND FLOW CONDITIONS REQUIREMENTS AT BOBS LAKE.
 - PROCESS WOULD BE:
 - PARTIAL DRAW DOWN OF AREA BETWEEN NEW DAM AND OLD DAM IN A MANNER TO PREVENT EROSION AND TURBIDITY.
 - CONSTRUCTION AND COMMISSIONING OF BYPASS SYSTEM TO PASS MINIMUM 1.5 cfs UP TO 2.5 cfs THROUGH STREAM BED REHABILITATION AND DEMOLITION AREA.
 - FULL DRAW DOWN OF AREA BETWEEN OLD DAM AND NEW DAM.
 - MEASURES TO CONTROL SEEPAGE FROM NEW DAM, DIVERT SEEPAGE, TO SEDIMENT TREATMENT AND RELEASE IN ORDER TO FACILITATE STREAM BED REHABILITATION WORK IN THE DRY.
 - CONSTRUCTION OF STREAM BED REHABILITATION AND OLD DAM DEMOLITION PROTECTIVE ZONE 1, ZONE 2 AND OLD DAM DEMOLITION TO ALLOW RE-WATERING OF RIVERBED AS SOON AS POSSIBLE.
 - ALL TEMPORARY WORKS ARE SHOWN FOR INDICATIVE PURPOSE ONLY. DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR.

- LEGEND:**
- ANGULAR ROCKFILL (Ø 300-500) (RIP RAP)
 - ROCKFILL WITH RIVER ROCKS (Ø 300-500) (NO SHARP EDGES) FILL VOIDS WITH SAND GRAVEL MIX
 - ROCKFILL WITH RIVER ROCK (Ø 50-300) (NO SHARP EDGES) FILL VOIDS WITH SAND GRAVEL MIX
 - BOULDER CLUSTER (Ø 1000) (NO SHARP EDGES)

- PLANTATION:**
- TREE:**
- TO THUYA OCCIDENTALIS (4)
 - AS ACER SACCHARUM (3)
 - AR ACER RUBRUM (3)
 - QR QUERCUS RUBRA (2)
- SHRUB:**
- VR VITIS RIPARIA (8)
 - CS CORNUS STOLONIFERA (7)
 - VT VIBURNUM TRILOBUM (7)
 - LC LONICEA CANADENSIS (Ø)
 - VL VIBURNUM LENTAGO (7)
- LARGE WOODED DEBRIS (4)**

NOTE: FILL IN ZONE 3

no	date	issues and/or modifications	by
5	2016-02-22	ISSUED FOR TENDER	J.K.
4	2017-02-23	ISSUED FOR REVIEW	J.K.
3	2016-11-04	ISSUED FOR REVIEW	J.K.
2	2016-10-28	PRELIMINARY DESIGN	J.K.
1	2016-08-02	PRELIMINARY DESIGN - 60% STAGE	J.K.
0	2016-06-02	PRELIMINARY	J.K.

MARK	NORTH	EAST
S1	4 957 344,469	379 483,852
S2	4 957 345,884	379 484,833
S3	4 957 349,268	379 488,865
S4	4 957 350,822	379 492,239

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PROFESSIONAL ENGINEER

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 103113465
 2018-02-22

**BOBS LAKE DAM REPLACEMENT
 BOLINGBROKE - ONTARIO**

**STREAM BED
 ENVIRONMENTAL REHABILITATION
 PLAN**

drawn: H. OTMANI | scale: 1:100
 checked: J. CARON | date: 2015-07-28
 designed: Y. BERTON | reference:
 approved: J. KONCZYNSKI

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