PHC SOIL STORAGE BUILDING FF. 76.90

FUTURE PHC SOIL STORAGE BUILDING

TRUCK TIRE WASH FF. 76.85

SLUDGE DEWATERING PAD

SEE DRAWING XXX FOR DETAILS

CB#8 T/G 76.55 E INV. 76.15

15.0 m - 600 mmØ HDPE CULVERT E INV. 75.35 W INV. 75.30

15.0 m - 600 mmØ HDPE CULVERT E INV. 75.48 W INV. 75.43

0.15 m ASPHALT CURB AROUND OUTSIDE OF ASPHALT PAD

4.m WIDE ACCESS RAMP WITH 10H:1V SIDE SLOPES

PROPOSED SWALE WITH 1.0 m WIDE BOTTOM WIDTH @ 0.15%)

OUTLET INV. 75.70 m

49 m -200 mmØ HDPE PIPE @ 0.5%

LEACHATE PRE-TREATMENT EQUALIZATION POND
MAXIMUM WATER LEVEL 75.70 m

POND 3
NWL = 75.25
100 YR = 76.69

HEADWALL

10 m WIDE OVERFLOW SPILLWAY INV. 76.60

20.0 m - 450 mmØ HDPE OUTLET CULVERT c/w 75 mmØ ORIFICE AT INVERT 75.25 N INV. 75.25 S INV. 75.15

20.0 m - 600 mmØ HDPE OUTLET CULVERT c/w 400 mmØ ORIFICE AT INVERT AT 76.20 N INV. 76.20 S INV. 76.10

30.0 m - 1,500 mmØ CSP CULVERT c/w RIP-RAP AT INLET AND OUTLET W INV. 74.90 E INV. 74.86

200 mmØ RIP-RAP 400 mm THICK c/w GEOTEXTILE

SIMPSON DRAIN

NO TOUCH BUFFER

16.0 m - 1,200 mmØ HDPE OUTLET CULVERT c/w 75 mmØ ORIFICE INV. 76.00, 400 mmØ ORIFICE INV. 76.80 AND HEADWALL N INV. 75.95 S INV. 76.00

22.0 m - 600 mmØ HDPE CULVERT c/w RIP-RAP AT INLET AND OUTLET

1.5%

0.38%

(78.35) HP

0.15%

4H:1V

3H:1V

10H:1V

8m

4m

5m

40m

3m

R14m

R12m

R8m

R78.58m

R69.25m

R82.45m

R30m

1.0%

0 20 40
1:500 METRES

REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED
1	2018-06-15	ISSUED FOR SITE PLAN APPROVAL	MHK	MLF	MHK	DVK

SEAL

LICENSED PROFESSIONAL ENGINEER
June 15, 2018
M. H. H. KNOWLES
100113780
PROVINCE OF ONTARIO

CLIENT
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PROJECT
CAPITAL REGION RESOURCE RECOVERY CENTRE

TITLE
GRADING AND DRAINAGE PLAN

PROJECT NO.	CONTROL	REV.	of	DRAWING
1787048	0006	1		C12

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

25 mm
0

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