

Attachment 3 - Proposed Development Phases 2 and 3

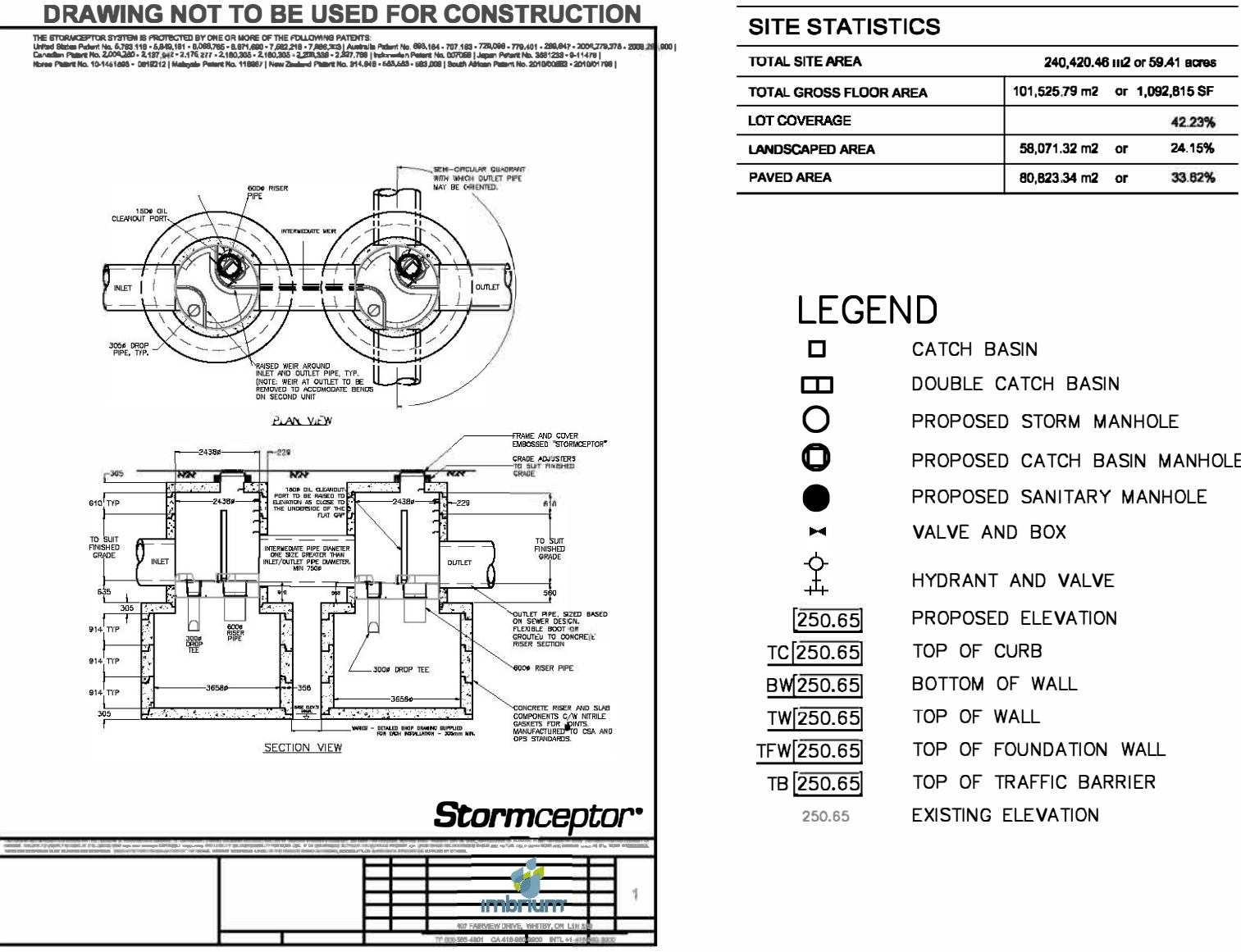
STORMWATER MANAGEMENT SUMMARY FOR MODLINE DEVELOPMENT

TOP OF POND = 85.00m
NWL (PERMANENT) = 83.50m
BOTTOM OF FOREBAY = 82.50m
BOTTOM OF POND = 82.50m

WET POND
SITE @ 90% IMPERVIOUSNESS @ 27.2ha
ENHANCED 80% TSS REMOVAL = 258m³/ha
PERMANENT REQUIRED = 258m³/ha - 40m³/ha = 218m³/ha
THEREFORE, 218m³/ha x 27.2ha = 5,929.6m³ (REQUIRED)
PERMANENT POOL PROVIDED @ 1.0m DEPTH = 7,055.5m³ (ELEV 82.50m - ELEV. 83.50m)
EXTENDED 40m³/ha @ 27.2ha = 1088.0m³ REQUIRED
EXTENDED PROVIDED @ 1.0m DEPTH = 9,850m³ (ELEV 83.50m- ELEV. 84.50m)
25mm @ 27.2ha = 6,400m³ REQUIRED
25mm PROVIDED @ 1.0m DEPTH = 9,266.8m³ (ELEV 83.50m- ELEV. 84.50m)

KEY PLAN

No.	ISSUED	DATE
1	SUBMITTED FOR SPA	03/02/22



WATER BALANCE
5mm TO BE RETAINED
SITE AREA = 25.6ha (256,000m²)
VOL RET'D = 0.005m X 256,000m²
= 1280m³
@40% VOIDS = 3200m³ STONE TRENCH

BASED ON BH 10 SEPT/18
TOP OF TRENCH 83.50
BOTTOM OF TRENCH 82.50
CONFIGURATION 256m(L) X 12.5m(W) X 1m(H)

PAVEMENT STRUCTURE DESIGN DETAILS, SPECIFICATIONS AND SUBDRAINAGE DESIGN IS NOT UNDER THE CIVIL DESIGN SCOPE. CONTRACTOR IS TO REFER TO GEOTECHNICAL REPORT RELATED SPECIFICATIONS. CONTRACTOR IS TO COORDINATE PAVEMENT MAKEUP AND SUBDRAINAGE INSPECTION WITH GEOTECHNICAL CONSULTANT.
A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY RELATING TO CONSTRUCTION AND INSPECTION OF THE PAVEMENT STRUCTURE.

CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE UTILITIES AND SERVICES. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VARIOUS UTILITIES CONCERNED TO BE GIVEN REQUIRED ADVANCED NOTICE PRIOR TO ANY DIGGING, FOR STAKE OUT.
A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

No.	REVISION	DATE
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SURVEY PROVIDED BY J.D. BARNES LIMITED, DATED JUNE 28, 2018
BENCHMARK: TOWN OF AJAX BENCHMARK No. 217 HAVING AN ELEVATION OF 86.755 METRES.

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ANNANDALE PARK
Ajax, ON

SITE SERVICING AND
STORMATER MANAGEMENT
PLAN

DATE:	DRAWN BY:	CHECKED:	SCALE:
JAN 2022	N.A.C.	A.M.C.	1:1000
PROJECT No.	DRAWING No.		

2051

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