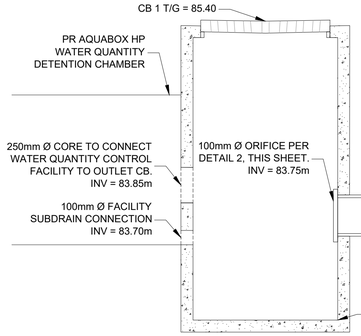
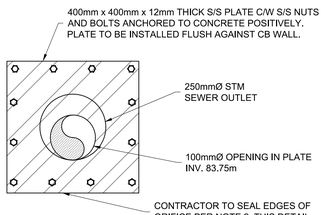


DTL 01 CATCHBASIN FLOW CONTROL OUTLET DETAIL

NTS

DTL 03 CATCHBASIN RISER OUTLET DETAIL

NTS

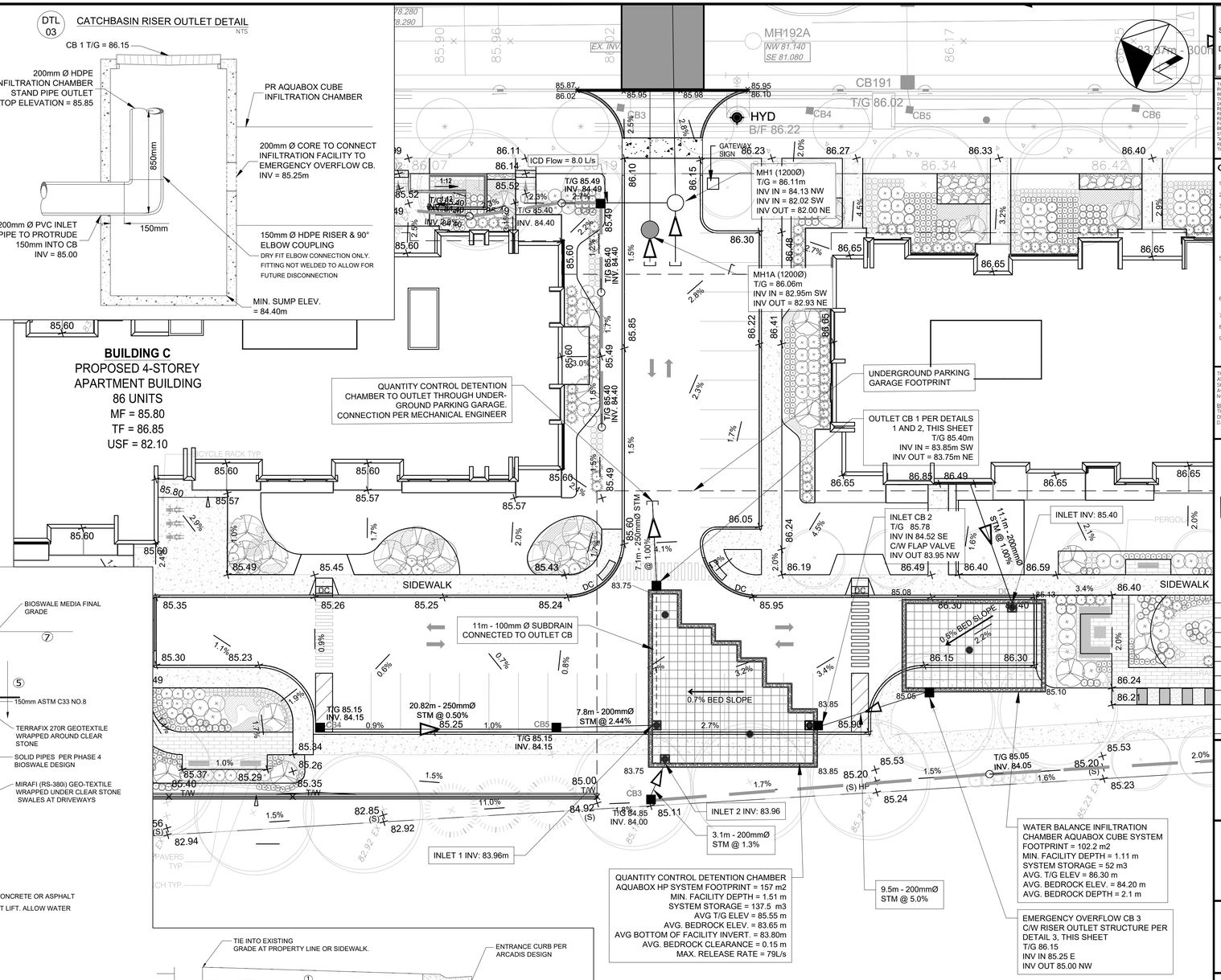


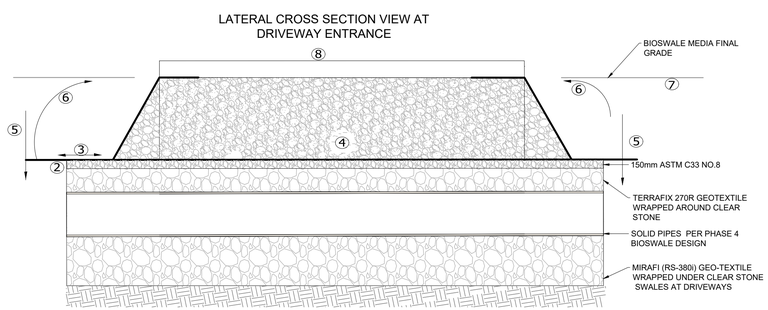
NOTES:

1. THE PLATE SHALL BE PLACED SUCH THAT THE INVERT OF THE ORIFICE MATCHES THE OUTLET INVERT SHOWN IN DETAIL 3, THIS SHEET.
2. A WATERTIGHT SEAL SHALL BE MADE BETWEEN THE ORIFICE PLATE AND THE SIDE OF THE CATCHBASIN. TYPICAL MARINE GRADE SILICONE OR GROUT MAY BE USED AT A SEALANT.

NTS

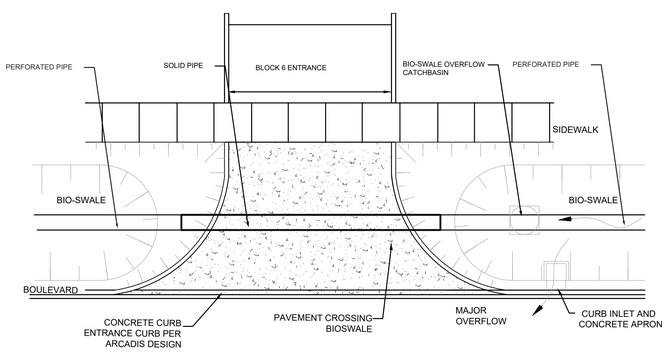
DTL 02 ORIFICE PLATE DETAIL



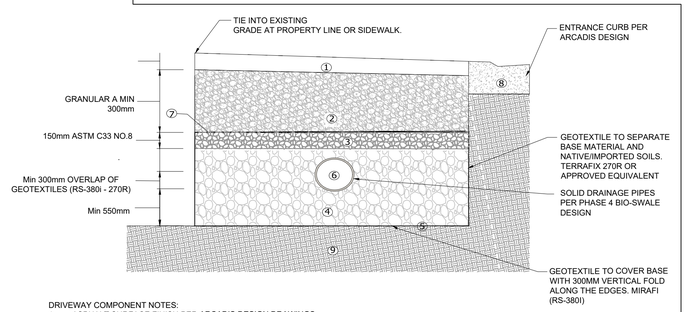


PAVEMENT CROSSING CONSTRUCTION NOTES:

1. REMOVE EXISTING BIOSWALE BIOMEDIA WITHIN LIMITS OF EXCAVATION FOR DRIVEWAY CROSSING
2. TOP UP CHOKING COURSE ASTM C33 NO.8 STONE AS REQUIRED TO MAINTAIN 150mm THICKNESS
3. PLACE SACRIFICIAL GEOTEXTILE CLOTH ON TOP OF ASTM C33 NO.8 CHOCKING COURSE LAYER
4. PLACE AND COMPACT PAVEMENT CROSSING GRANULAR-A SUB-BASE TO 98% SPD@ OPTIMAL MOISTURE CONTENT
5. CUT SACRIFICIAL GEO-TEXTILE CLOTH PRIOR TO PLACEMENT OF BIO-SWALE BIO-MEDIA LAYER
6. WRAP COMPACTED PAVEMENT CROSSING GRANULAR-A SUB-BASE WITH SACRIFICIAL GEO-TEXTILE CLOTH PRIOR TO PLACEMENT OF CONCRETE OR ASPHALT
7. APPLY BIO-SWALE MEDIA IN 300mm LIFTS UNTIL DESIRED ELEVATION IS ACHIEVED. THOROUGHLY WET EACH LIFT BEFORE ADDING NEXT LIFT. ALLOW WATER TO FULLY PERCOLATE THROUGH THE SOIL BEFORE ADDING EACH COURSE.
8. INSTALL CONCRETE OR ASPHALT SURFACE PER CITY STANDARDS



BLOCK 6 BIO-SWALE CROSSING PLAN VIEW WITH SIDEWALK



DRIVEWAY COMPONENT NOTES:

1. ASPHALT SURFACE FINISH PER ARCADIS DESIGN DRAWINGS
2. AGGREGATE - GRANULAR A COMPACTED TO 98%SPD @ OPTIMAL MOISTURE CONTENT
3. CHOKING COURSE - ASTM C33 N0. 8
4. GRANULAR BASE AGGREGATE - CRUSHED, WASHED, ANGULAR, OPEN GRADED STONE CONFORMING TO ASTM C 33 NO.57 (20MMØ STONE), MINIMUM THICKNESS, MATCHING ADJACENT BIO-SWALES.
5. GEOTEXTILE - MIRAFI (RS-380i) - WITH MIN 300MM TO EXTEND ALONG THE VERTICAL EXCAVATION.
6. UNDERDRAIN - PERFORATED PIPE CONSTRUCTED IN ACCORDANCE WITH OPSS 405.
7. TERRAFIX 270R WRAPPED AROUND CRUSHED WASHED STONE AND SACRIFICIAL CLOTH TO WRAP THE EDGES OF THE GRANULAR A ENTRANCE SUB BASE
8. ENTRANCE CURB PER OPSD 351.010
9. NATIVE MATERIAL

BLOCK 6 BIO-SWALE CROSSING PROFILE VIEW

DTL 04 BLOCK 6 BIOSWALE CROSSING DETAIL

NTS

ANDREW MCCREIGHT
MANAGER, DEVELOPMENT REVIEW CENTRAL
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
By Andrew McCreight at 9:28 am, Jul 10, 2025

NOTE: SITE SERVICING, BUILDING LAYOUTS, RESTORATION AND MECHNAICAL ENGINEERING BY OTHERS

REVIEWED BY
DEVELOPMENT REVIEW SERVICES BRANCH
Signed _____
Date _____2025
Plan Number _____

THESE DRAWINGS WERE PREPARED BY AQUAFOR BEECH LTD FOR THE ACCOUNT OF RDHT DEVELOPMENT. THE MATERIAL CONTAINED HEREIN REFLECTS AQUAFOR BEECH LTD BEST JUDGEMENT IN LIGHT OF THE INFORMATION AVAILABLE TO IT AT THE TIME OF PREPARATION. ANY USE WHICH A THIRD PARTY MAKES OF THESE DRAWINGS, OR ANY RELIANCE ON OR DECISION TO BE MADE ON IT, ARE THE RESPONSIBILITY OF SUCH THIRD PARTIES. AQUAFOR BEECH LTD ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY THIRD PARTIES AS A RESULT OF DECISIONS MADE OR ACTIONS BASED ON THESE DRAWINGS. THIRD PARTY USE OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF AQUAFOR BEECH LTD IS STRICTLY PROHIBITED. THE INTENDED USE OF THESE DRAWINGS ARE STRICTLY LIMITED TO THE PURPOSE AS LISTED WITHIN THE "ISSUED FOR" AND "REVISION" TITLE BLOCK OF THESE DRAWINGS. AQUAFOR BEECH LTD ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED AS A RESULT OF THE USE OF THESE DRAWINGS OUTSIDE THE INTENDED USE AND AFOREMENTIONED LIMITATIONS.

GENERAL NOTES:

1. ALL ELEVATIONS ARE IN METRES AND REFERENCED TO LOCAL DATUM. ALL DIMENSIONS ARE IN METRIC UNITS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT AND SURVEY CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL DELINEATE THE REQUIRED WORKING AREA ON-SITE PRIOR TO THE START OF WORK AND SHALL CONFINE OPERATIONS WITHIN THE DEFINED AREA. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO ANY WATER/WATERCOURSE/WETLAND NATURAL FEATURE, STORM SEWER OR SANITARY SEWER.
5. EROSION AND SEDIMENT CONTROL MEASURES (AND TREE/SHRUB PROTECTION BARRIERS) WILL BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING THE CONSTRUCTION PHASES TO PREVENT ENTRY OF SEDIMENT INTO THE INFILTRATION FACILITY. THESE EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED FOLLOWING CONSTRUCTION COMPLETION AND WHEN DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATION ESTABLISHED.
6. ALL AREAS WHICH REMAIN DISTURBED FOR MORE THAN 30 DAYS MUST BE STABILIZED TO THE SATISFACTION OF THE RELEVANT AGENCIES, THE CLIENT AND OR THE SITE ENGINEER.
7. ALL SITE RESTORATION TO BE IN ACCORDANCE WITH THE LANDSCAPE REHABILITATION PLANS AND DETAILS.
8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEBRIS.
9. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY TO ENSURE THAT ARE FUNCTIONING PROPERLY AND ARE MAINTAINED AND/OR UPGRADED AS REQUIRED

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE N O T NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK
THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

LEGEND:

- HEAVY DUTY SILT FENCE
- SEDIMENT LOG
- AQUABOX INFILTRATION FACILITY
- SEWER PIPE
- CATCHBASIN
- CONSTRUCTION ACCESS
- 375mm Ø OBSERVATION PORT

No.	REVISIONS	By	Date
6			
5			
4			
3			
2	SUBMISSION No.2 FOR ISSUED REVIEW	JM	18/02/25
1	SUBMISSION No.1 FOR ISSUED REVIEW	JM	01/05/24

02 OF 11

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MISSISSAUGA, ONTARIO, L4W 5B2
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Project Title
BLOCK 6 STORMWATER MANAGEMENT PLAN

LICENSED PROFESSIONAL ENGINEER
C. J. DEWICH
100134582
18/02/2025
PROVINCE OF ONTARIO

Drawing Title
GENERAL PLAN

Scale
1:200

Design	Date
J.M.	18/02/2025
Drawn K.M	Checked
Project No. 67564	Drawing No. GP-1

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#67564