



**STANDARD DETAIL DRAWINGS**  
ENGINEERING SERVICES - VANCOUVER, B.C.

DRAWING No.

**GI0.1**

**GREEN INFRASTRUCTURE DETAILS**

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REV.	REVISION DATE	APPROVED

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**STANDARD DETAIL DRAWINGS**  
ENGINEERING SERVICES - VANCOUVER, B.C.

DRAWING No.

**GI0.2**

**GREEN INFRASTRUCTURE DETAILS**

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# USER GUIDE: GI TYPICAL DETAILS

THESE TYPICAL DETAILS AND SPECIFICATIONS WERE DEVELOPED TO BE REVISED AND CUSTOMIZED FOR EACH INDIVIDUAL PROJECT BY DESIGN PROFESSIONALS. AUTOCAD FILES OF THESE DETAILS CAN BE PROVIDED UPON REQUEST TO THE GREEN INFRASTRUCTURE IMPLEMENTATION (GII) BRANCH (GREEN.INFRASTRUCTURE@VANCOUVER.CA).

THEY SHOW TYPICAL CONFIGURATIONS, RATHER THAN A REQUIRED CITY STANDARD CONFIGURATION. THIS DISTINCTION IS DELIBERATE. WE RECOGNIZE THAT TO CREATE GI PROJECTS THAT ARE FUNCTIONAL, CONTEXTUAL, AND AESTHETIC, DESIGN PROFESSIONALS MUST USE THEIR PROFESSIONAL JUDGMENT AND CREATIVE THINKING TO BE RESPONSIVE TO EACH SITE-SPECIFIC CONDITION.

REFERENCES ARE MADE THROUGHOUT THESE STANDARD DRAWINGS TO THE "DESIGN MANUAL", OTHER DRAWINGS, AND STANDARD CITY OF VANCOUVER CONSTRUCTION MATERIALS. THE DESIGN MANUAL REFERS TO THE GREEN INFRASTRUCTURE AND INTEGRATED RAINWATER MANAGEMENT CHAPTER OF THE CITY OF VANCOUVER ENGINEERING DESIGN MANUAL. GI STANDARD DRAWINGS ARE REFERRED TO BY THEIR DRAWING TITLE (i.e GI4.3). AGGREGATE MATERIALS ARE REFERRED TO BY THEIR CITY OF VANCOUVER DESIGNATION (i.e. COV #9)

## CONTENT

THESE TYPICAL DETAILS ARE FORMATTED, ORGANIZED, AND DEVELOPED WITH THE NECESSARY INFORMATIONAL TOOLS TO GUIDE THE DESIGN PROFESSIONAL THROUGH THE PROPER SELECTION, LAYOUT, AND DESIGN OF GI PRACTICES AND THE SELECTION OF APPROPRIATE SITE-SPECIFIC COMPONENTS DETAILS (I.E. INLETS, OUTLETS, AND EDGE TREATMENTS, ETC.).

- PURPOSE: SUMMARY OF EACH FACILITY'S INTENDED PERFORMANCE AND FUNCTION.
- DESIGNER NOTES & GUIDELINES: TECHNICAL DESIGN REQUIREMENTS AND/OR SIZING CRITERIA GUIDELINES ARE PROVIDED SUCH THAT EACH FACILITY IS DESIGNED AND APPROPRIATELY CUSTOMIZED BY THE DESIGN PROFESSIONAL.
- LAYOUT REQUIREMENTS: TECHNICAL INFORMATION, DESIGN REQUIREMENTS, AND REFERENCE TO RELATED CITY REQUIREMENTS.
- DESIGNER CHECKLIST: TECHNICAL DESIGN INFORMATION THAT MUST BE DETERMINED AND SHOWN IN THE CONSTRUCTION DOCUMENTS TO ENSURE PROPER DESIGN AND CONSTRUCTABILITY.
- BMP PLANS: TYPICAL PLAN VIEW WITH GENERAL CONFIGURATION FOR PROPER FUNCTION. DIMENSIONAL LAYOUT AND EDGING MATERIALS SHOULD BE ADJUSTED BASED ON PROPOSED SITE DESIGN AND PROGRAMING.
- BMP SECTIONS AND PROFILES: A TYPICAL SECTION AND/OR PROFILE WITH GENERAL CONFIGURATION FOR PROPER FUNCTION. DIMENSIONAL LAYOUT AND EDGING MATERIALS SHOULD BE ADJUSTED BASED ON PROPOSED SITE DESIGN AND PROGRAMING.
- CONSTRUCTION NOTES: CONSTRUCTION RELATED NOTES FOR USE BY THE CONTRACTOR.
- DETAILS FOR INDIVIDUAL COMPONENTS SUCH AS INLETS, SEDIMENT PADS, PERFORATED PIPES, MONITORING WELLS, AND MORE

## USE ON CONSTRUCTION DOCUMENTS

**DESIGN PROFESSIONALS USING THE AUTOCAD DRAWINGS MUST REVIEW AND ADJUST THE DETAILS AND CONSTRUCTION NOTES TO ADDRESS THEIR SITE-SPECIFIC CONDITIONS . TO ALLOW FOR SITE-SPECIFIC DESIGN ADJUSTMENTS THE TYPICAL DETAILS ARE DEVELOPED AS "NOT FOR CONSTRUCTION" DRAWINGS. TITLE BLOCKS ARE PROVIDED FOR DOCUMENT ORGANIZATION AND REFERENCE ONLY. DRAWINGS THAT DO NOT REQUIRE ADJUSTMENT CONTAIN THE FOLLOWING NOTE: "FIXED: THIS DETAIL MAY BE REFERENCED ON ENGINEERING DRAWINGS WITHOUT AN ADJUSTED SITE-SPECIFIC DETAIL" .**

- DO NOT INCLUDE THE NON-ADJUSTED DETAIL WITH TITLE BLOCK WITHIN THE CONSTRUCTION DOCUMENTS.
- DO NOT INCLUDE NON-ADJUSTED DETAIL PLANS, SECTIONS, OR CONSTRUCTION NOTES WITHIN THE CONSTRUCTION DOCUMENTS.
- DO NOT REFERENCE THE GI TYPICAL DETAIL SHEET NAME AND/OR NUMBER (i.e. GI 2.1) AS A STANDARD DETAIL CALL-OUT ON DRAWINGS.
- DO NOT EXPECT CONTRACTORS TO CONDUCT CALCULATIONS OR BE RESPONSIBLE FOR MISSING DESIGN INFORMATION.

NOTE: ALL UNITS ARE IN METERS UNLESS OTHERWISE NOTED

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