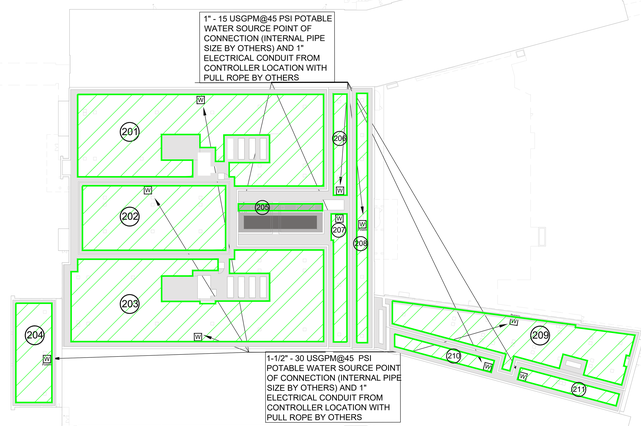
IRRIGATION NOTES

1. CISTERN SYSTEM DESIGN:60 usgpm @ 60 psi AT WATER SOURCE POINTS OF CONNECTION. GROUND LEVEL POTABLE SYSTEM DESIGN: 60 usgpm @ 60 psi AT WATER SOURCE POINTS OF CONNECTION. GREEN ROOF CONNECTION POINTS SIZED AS SHOWN.
2. PIPES ARE DIAGRAMATIC ONLY.
3. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH BY-LAWS AND CODES HAVING JURISDICITION OVER SITE LOCATION.
4. IT IS THE RESPONSIBILITY OF THE PLAN USER TO INFORM THEMSELVES OF THE EXACT LOCATION OF ALL POLES, LINES, CONDUIT, WATER MAINS, SEWERS AND OTHER UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES BEFORE COMMENCING WORK.
5. LOCATION OF THE PIPE LINES AND OTHER IRRIGATION EQUIPMENT ARE APPROXIMATE. VALVES MAY BE LOCATED INAPPROPRIATELY ON THE PLAN DUE TO SPACE LIMITATIONS ON DRAWING. VALVE BOX LOCATIONS TO BE COORDINATED WITH LANDSCAPE ARCHITECT.
6. ACTUAL LOCATION OF DRIP LINES AND OTHER IRRIGATION EQUIPMENT TO BE DETERMINED AT TIME OF CONSTRUCTION, HOWEVER THE DRIP DESIGN MUST COMPLY WITH THE DRIP DETAIL DRAWINGS AND MANUFACTURER'S DESIGN GUIDE.
7. IT IS THE RESPONSIBILITY OF PLAN USER TO INFORM THEMSELVES OF THE EXACT MATERIAL QUANTITIES REQUIRED.
8. THE IRRIGATION PLAN IS BASED UPON AND IS TO BE READ IN CONJUNCTION WITH THE LANDSCAPE PLAN/SITE PLAN, AND THEREFORE MAY BE SUBJECT TO RELATED CHANGES, IRRESPECTIVE OF THE IRRIGATION DESIGN INTENSION.
9. THE PLAN USER IS TO FAMILIARIZE THEMSELVES WITH ALL RELATED SPECIFICATIONS.
10. MECHANICAL CONTRACTOR IS TO PROVIDE WATER SOURCE POINTS OF CONNECTION (POC), SIZED AS SHOWN ON THE DRAWINGS, AT THE LOCATIONS SHOWN ON THE PLAN OUTSIDE OF THE BUILDING. MECHANICAL SHALL ALSO SUPPLY AND INSTALL AN APPROPRIATELY SIZED SHUT-OFF VALVE, BACKFLOW PREVENTER AND 1" DRAIN VALVE AT THE POINT OF CONNECTION TO THE POTABLE WATER SUPPLY IN THE MECHANICAL ROOM, AS PER LOCAL PLUMBING CODE.
11. ELECTRICAL CONTRACTOR IS TO PROVIDE A 110 VOLT POWER SUPPLY TO THE IRRIGATION CONTROLLER AND 1" ELECTRICAL CONDUIT FROM THE CONTROLLER TO THE WATER SUPPLY POINTS OF CONNECTION OUTSIDE OF THE BUILDING.
12. CISTERNS AND ASSOCIATED POINTS OF CONNECTION BY CIVIL ENGINEER.

The Ottawa Hospital
Green Roof Irrigation
{(Area in Sq Ft) x 12} /Lateral Row Spacing in Inches

Drip Line Calculations on 12" Row Spacing with 12" Emitter Spacing (.6gpm emitters)
12" x 12" Application Rate = 0.96 inches/hour

Area #	Area Square Meters	Area Square Feet	Emitter Spacing	Row Spacing	Feet of Dripline	USGPM Per 100 ft	Total GPM	Number Zones	Zone Flow	
201	2671.00	28750.38	12	12	28750	1	287.50	10	30	USGPM
202	1366.00	14703.49	12	12	14703	1	147.03	5	30	USGPM
203	2713.00	29202.46	12	12	29202	1	292.02	10	30	USGPM
204	529.00	5694.10	12	12	5694	1	56.94	2	30	USGPM
205	86.00	925.70	12	12	926	1	9.26	1	15	USGPM
206	202.00	2174.31	12	12	2174	1	21.74	2	15	USGPM
207	265.00	2852.43	12	12	2852	1	28.52	2	15	USGPM
208	397.00	4273.27	12	12	4273	1	42.73	3	15	USGPM
209	1294.00	13928.49	12	12	13928	1	139.28	5	30	USGPM
210	183.00	1969.79	12	12	1970	1	19.70	2	15	USGPM
211	183.00	1969.79	12	12	1970	1	19.70	2	15	USGPM
TOTALS					**106444**		**1064.44**	**44**		



201 Irrigation Area (see charts)

Above Grade Drip Irrigation

See Irrigation Detail Drawing and Specifications for Details

PROJECT
THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - PHASE 4 MAIN HOSPITAL BUILDING
900 CARLING AVE, OTTAWA, ONTARIO

CLIENT
The Ottawa Hospital | L'Hôpital d'Ottawa
Infrastructure Ontario
PCL CONSTRUCTION
EllisDon

CLIENT PROJECT NO.
1070002

KEY PLAN
TRUE NORTH PROJECT NORTH

CIS
Creative Irrigation Solutions Inc.
25222 McMurchy Line
West Lorne, Ontario
CANADA
N0L 2P0
519-521-5120
Project # 25-2-015

THIS DRAWING TO BE PRINTED IN COLOUR

NO.	ISSUED	DATE
03	SITE PLAN CONTROL RESUBMISSION	2026-01-12
02	95%DD SUBMISSION	2025-09-19
01	65% DD SUBMISSION	2025-06-05

REVISIONS

DRAWING STATUS
NOT FOR CONSTRUCTION

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE ARCHITECT BEFORE PROCEEDING
ONLY FIGURED DIMENSIONS ARE TO BE USED. CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. THIS DRAWING IS PROTECTED BY COPYRIGHT.

ALL DIMENSIONS ARE SHOWN IN METRIC.

AUTHOR
PWP

PROJECT TEAM

DESIGN-BUILDER PCL/EID, A JOINT VENTURE

ARCHITECTURAL PARKIN ARCHITECTS LIMITED
JODOIN LAMARRE PRATTE ARCHITECTES
ADAMSON ASSOCIATE ARCHITECTS
bbb ARCHITECTS INC.

STRUCTURAL STEPHENSON ENGINEERING LTD.
BOUTHILLETTE PARIZEAU INC.

MECHANICAL HH ANGUS & ASSOCIATES LTD.
CROSSBY ENGINEERING LTD.

ELECTRICAL MULVEY & BANANI INTERNATIONAL INC.

CIVIL WSP CANADA INC.

LANDSCAPE VERTECHS DESIGN INC.
PWP LANDSCAPE ARCHITECTURE

BUILDING CODE LMDG BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO.
PCL2301_C

STAMP STAMP

DRAWING TITLE
IRRIGATION DESIGN GREEN ROOFS

DRAWN	CHECKED
RZ	JC
SCALE AT 40" x 65"	DATE
1:600	15-AUG-2024

GRAPHIC SCALE 0 6 12 24 36
SCALE IN METERS

DRAWING NO. **L11-102** REV NO. **03**

10160 (40") x 1651 (65") (CUSTOM SHEET SIZE)

PLOT DATE: