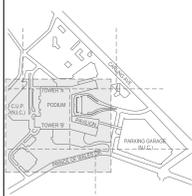


GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS AND ALL ELEVATIONS AND STATIONS ARE IN METERS, UNLESS OTHERWISE SHOWN.
- DESIGN CODE: CANCSA-86-19 CANADIAN HIGHWAY BRIDGE DESIGN CODE
- DESIGN LOADS FOR CAST-IN-PLACE RETAINING WALLS:
 - WALL #4: LIVE LOAD SURCHARGE EQUAL TO AN EQUIVALENT ADDITIONAL FILL HEIGHT OF 0.8m; COMPACTION SURCHARGE OF 12 kPa TO 0 kPa AT A DEPTH OF 2.0m; T-4 BARRIER IMPACT LOADING
 - WALL #5, 7, 8 AND 9: LIVE LOAD SURCHARGE EQUAL TO AN EQUIVALENT ADDITIONAL FILL HEIGHT OF 0.8m; COMPACTION SURCHARGE OF 12 kPa TO 0 kPa AT A DEPTH OF 2.0m; T-4 BARRIER IMPACT LOADING
 - WALL #12: COMPACTION SURCHARGE OF 12 kPa TO 0 kPa AT A DEPTH OF 2.0m; PEDESTRIAN RAILING LOAD OF 1.2 kN/m APPLIED HORIZONTALLY AND VERTICALLY SIMULTANEOUSLY.
 - WALL #13: COMPACTION SURCHARGE OF 12 kPa TO 0 kPa AT A DEPTH OF 2.0m; PEDESTRIAN RAILING LOAD OF 1.2 kN/m APPLIED HORIZONTALLY AND VERTICALLY SIMULTANEOUSLY.
 - WALL #14: COMPACTION SURCHARGE OF 12 kPa TO 0 kPa AT A DEPTH OF 2.0m; PEDESTRIAN RAILING LOAD OF 1.2 kN/m APPLIED HORIZONTALLY AND VERTICALLY SIMULTANEOUSLY.
- DESIGN LOADS FOR PRE-CAST BLOCK RETAINING WALLS TO BE PROVIDED BY WALL MANUFACTURER
- RETAINING WALLS DESIGN AND MATERIALS TO PROVIDE MINIMUM 75-YEAR SERVICE LIFE
- CLASS OF CONCRETE:
 - a. CAST-IN-PLACE RETAINING WALLS CLASS C-1 (35 MPa AT 28 DAYS)
 - b. PRE-CAST BLOCK RETAINING WALLS CLASS C-1 (35 MPa AT 28 DAYS)
- CLEAR COVER TO REINFORCING STEEL:
 - a. FOOTINGS 100 +/- 25
 - b. RETAINING WALLS 75 +/- 25
 - c. REMAINDER 75 +/- 25, UNLESS OTHERWISE SPECIFIED
- REINFORCING STEEL:
 - a. SHALL BE GRADE 400W UNLESS OTHERWISE SPECIFIED.
 - b. TENSION LAP SPICES SHALL BE CLASS B, UNLESS OTHERWISE SPECIFIED.
 - c. BAR HOOKS SHALL HAVE STANDARD HOOK DIMENSIONS USING MINIMUM BEND DIAMETERS, WHILE STIRRUPS AND TIES SHALL HAVE MINIMUM HOOK DIMENSIONS.
- PRE-CAST BLOCK RETAINING WALLS SHOWN GENERALLY. DETAILED DESIGN OF PRE-CAST BLOCK RETAINING WALLS AND FINAL SIGNED AND SEALED SHOP DRAWINGS, TO BE PROVIDED BY THE MANUFACTURER.
- ANTI-GRAFFITI COATING SHALL BE APPLIED TO EXPOSED SURFACES OF ALL RETAINING WALLS
- FINISHES ON ALL EXPOSED WALL SURFACES SHALL BE APPROVED BY THE OTTAWA HOSPITAL (TOH)

WALL#	LOCATION	RETAINING WALL DIMENSIONS SCHEDULE											
		PRECAST BLOCK WALL				CAST-IN-PLACE WALL		FOOTING					
		LENGTH	HEIGHT	MAX. WIDTH	MIN. WIDTH	LENGTH	HEIGHT	MAX. WIDTH	MIN. WIDTH	THICK			
3	Loading Dock	14200	4750	1100	2200	810	2100	1650	1000	600	475	3200	600
4	Loading Dock												
5	South Road E	54000	2500	1100	1580	810	4000	5100	1400	700/1000	475	7200/7800	700/1000
6	Main Entrance						30000	5300	1800	700/1000	400	7200/7800	700/1000
7	Main Entrance						20000	5300	1500	700/1000	400	7200/7800	700/1000
8	Main Entrance						34125	4780	1300	700/1000	475	7200/7800	700/1000
9	Main Entrance						20000	6500	2100	600	400	4200	700
12	Pedestrian/Bike Path						30000	2900	1300	600	400	2500	600
13	Pedestrian/Bike Path						18000	2300	1200	600	400	2100	600
14	Loading Dock												
15	Woodland Path	42000	3000	1580	1200	810							
18A	Pedestrian/Bike Path	27600	2500	1100	1200	810							
18B	Pedestrian/Bike Path	15500	2500	2100	1200	810							

RETAINING WALL REINFORCING STEEL QUANTITIES	
WALL	QTY. (TONNES)
4	5.65
6	11.63
7	8.58
8	6.93
9	10.53
12	10.38
13	4.54
14	1.86
Total	60.09



NO.	REVISIONS	ISSUED	DATE
07	SITE PLAN CONTROL RESUBMISSION	2026-01-12	
06	80% DD SUBMISSION	2025-09-19	
05	SITE PLAN CONTROL RESUBMISSION	2025-06-03	
04	60% DD SUBMISSION	2025-06-05	
03	30% DD SUBMISSION	2025-01-28	
02	ISSUES FOR ACPOR READINESS	2025-01-28	
01	80% DD SUBMISSION	2024-09-15	
N/A			

DRAWING STATUS: NOT FOR CONSTRUCTION

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



PROJECT TEAM:
 DESIGN BUILDER: POLIED A JOINT VENTURE
 ARCHITECTURAL: PARKIN ARCHITECTS LIMITED, JODAN LAMARIE PRATTE ARCHITECTS, ADAMSON ASSOCIATE ARCHITECTS, 188 ARCHITECTS OTTAWA INC.
 STRUCTURAL: STEPHENSON ENGINEERING LTD., BOUILLLETTE PANSAL INC.
 MECHANICAL: H.H. ANGUS & ASSOCIATES LTD., CROSSEY ENGINEERING LTD.
 ELECTRICAL: MULVEY & BANANI INTERNATIONAL INC.
 CIVIL: WSP CANADA INC.
 LANDSCAPE: VERTIGOS DESIGN INC., PWP LANDSCAPE ARCHITECTURE
 BUILDING CODE: UMG BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO: CA0027758.0-51

STAMP	STAMP

DRAWING TITLE: RETAINING WALLS - SITE LAYOUT

DRAWN	CHECKED
B. NANDLAL	M. THOM
SCALE AT 47 x 69"	DATE: 2024-02-28
1:250	

DRAWING NO.	REV. NO.
C7-400	07