

NOTES: 1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR UTILITY CLEARANCES AND CO				RANCES AND CONSTRUCTION SITE SAFETY. R METHODS OF CONSTRUCTION OR FOR	
	2. THIS DESIGN IS BASED ON T	F THE PUBLIC.		R METHODS OF CONSTRUCTION OR FOR	
	PROPERTY	RETAINED FIL		FOUNDATION MEDIUM	
	FRICTION ANGLE - ϕ UNIT WEIGHT - y	38° 22 kN/m3		32° 18 kN/m3	
	COHESION - C	0		8 kPa	
	SOIL TYPE	OPSS GRAN	JLAR B	BROWN SILTY CLAY	
		DING WAS EVAL	UATED ACCORDIN	ATERSON GROUP AND DISCUSSIONS WITH IG TO THE CURRENT CANADIAN HIGHWAY VALUE OF 0.261.	
	PROJECT № 135470, SHEE WALL BASE DESIGN ASSU ENGINEER SHOULD OBSE	ET No. C-200, G IMES A BEARIN RVE THE BEAR	RADING PLAN, REV G RESISTANCE AT ING CONDITIONS A	HUNTINGTON PROPERTIES BY IBI GROUP, 'ISION 6 DATED 13 NOVEMBER 2023. THE SLS OF 120 kPa. THE SITE GEOTECHNICAL ND ADJUST THE THICKNESS OF THE D ACCOMMODATE THE SITE CONDITIONS,	
	CONDITIONS AND 1.1 UND ABOVE AND BELOW THE V ACTUAL SITE GRADES VA CONFORM, INSTALLATION	4. RETAINING WALL DESIGN WITH A GLOBAL STABILITY FACTOR GREATER THAN 1.5 UNDER STATIC CONDITIONS AND 1.1 UNDER SEISMIC CONDITIONS. WALL GEOMETRY AND GRADE ELEVATIONS ABOVE AND BELOW THE WALL SHOULD CONFORM WITH THE GRADING PLAN PROVIDED HERE IN IF ACTUAL SITE GRADES VARY SIGNIFICANTLY FROM THOSE SHOWN OR IF THE BACK SLOPE DOES NOT CONFORM, INSTALLATION SHALL NOT PROCEED UNTIL THE DESIGN IS VERIFIED OR MODIFIED IN THE APPLICABLE AREA.			
	5. PRECAST UNITS SHALL BE PERMACON.	 PRECAST UNITS SHALL BE GRANDE RETAINING WALL UNITS MANUFACTURED UNDER LICENSE FROM PERMACON. 			
6. THE WALL BASE SHALL CONSIST OF A MINIMUM OF 200mm OF OPSS_GRANULAR BEDDING LAYER SHOULD EXTEND AT LEAST 200mm BEYOND THE FRONT B MINIMUM OF 200mm BEYOND THE REAR BLOCK FACE. THE BASE SHALL BE S COMPLETE CONTACT OF RETAINING WALL UNIT WITH BASE. SURFACE OF GRAN WITH FINER AGGREGATE TO AID LEVELING. ENSURE GRADATION OF DRESSING M PRECLUDE LOSS OF FINES INTO BASE. THE THICKNESS OF DRESSING LAYER SHO THE MAXIMUM PARTICLE SIZE USED.				ID THE FRONT BLOCK FACE AND A BASE SHALL BE SMOOTHED TO ENSURE RFACE OF GRANULAR BASE MAY BE DRESSED N OF DRESSING MATERIAL IS SUCH AS TO	
	7. WALL IS DESIGNED WITH	A MIN. 200mm T	*	VITH A GRANULAR BEDDING LAYER /INIMUM 200mm BEYOND THE HEEL OF	
	FOR WALL CONSTRUCTIO THE GEOTECHNICAL REPO	N IN EACH ARE ORT WITHIN TH IFFICIENT, THE	A TO CONFIRM THI E FOOTPRINT OF T	CAL ENGINEER DURING PREPARATION E SUBSURFACE PROFILE INDICATED BY "HE PROPOSED WALL . WHERE GRANULAR E BEDDING MAY BE REQUIRED AND WILL	
	AND SHOULD CONSIST OF MATERIAL. ALL FILL WITHI COMPACTED. BACKFILL S	F OPSS GRANU N A 1H:1V ZONI HALL BE PLACE DD. MOISTURE	LAR B TYPE II B FO E UP AND BACK FR ED IN MAXIMUM 300	OTECHNICAL ENGINEER PRIOR TO USE LLOWED BY SUITABLE BACKFILL OM THE HEEL SHOULD ALSO BE Imm LOOSE LIFTS AND COMPACTED TO A BE CONTROLLED AND MAINTAINED	
				ER AWAY FROM THE RETAINING WALL E DRAINAGE AND TO ELIMINATE PONDING.	
		SHOULD BE PF	ROTECTED TEMPO	RARILY DURING CONSTRUCTION FROM	
	12. ALL RETAINING WALL RELATED INSPECTIONS (BEARING SURFACE, COMPACTION, BLOCK INSTALLATION, ETC.) MUST BE COMPLETED BY PATERSON GROUP. ONCE THE WALL CONSTRUCTION IS COMPLETED AND REVIEWED BY PATERSON DURING CONSTRUCTION, A CERTIFICATE LETTER WILL BE ISSUED BY PATERSON GROUP.				
			CONDITIONS OR W	ALL DESIGN WILL BE THE RESPONSIBILITY	
 14. INSTALL 100mmØ PERFORATED PIPE SUBDRAIN WRAPPED WITH GEOTEXTILE SOCK BEHI RETAINING WALL . PROVIDE CLEAR STONE SURROUND TO PROTECT PIPE FROM CLOGGII PROVIDE OUTLETS THROUGH THE WALL TO DRAINAGE DITCH OR GROUND SURFACE AT I INTERVALS OF 20.0m 				PROTECT PIPE FROM CLOGGING AND	
	 TO INSTALL PRIVACY FENCE, THE TOP PORTION OF THE RETAINING WALL SHOULD BE REINFORCE 15M REINFORCEMENT BAR INSTALLED BY CORING THROUGH THE COPPING BLOCK AND A MINIMUM COURSES. THE BAR SHOULD BE GROUTED IN PLACE WITH A MINIMUM 30MPA NON-SHRINK GROUT MINIMUM 1.0M SPACING. USE MASONRY ADHESIVE RECOMMENDED BY THE SUPPLIER FOR ALL COURSES . PRELIMINARY PROFILE PROVIDED. PROFILE IS AT THE DISCRETION OF THE INSTALLER AND SHOUL FOLLOW MANUFACTURERS RECOMMENDATIONS. 				
 THE CONTRACTOR SHOULD REFER TO THE INSTALLATION MANUAL PROVIDED FOR THE INVALL BLOCK TYPE PROVIDED HEREIN FOR ADDITIONAL DETAILS ON ACCEPTABLE INSTAPRACTICES. IMPERMEABLE MEMBRANE TO BE PLACED AGAINST THE STORM STORAGE SYSTEM TO PROVIDED FOR THE FROM DRAINING TO THE RETAINING WALL. IMPERMEABLE MEMBRANE TO BE PROTECTED AND/OR REINSTATED IF EXCAVATION IS COMPLETED NEAR THE BACK OF DURING MAINTENANCE/REPAIR OF THE STORAGE SYSTEM. 					
				NG WALL. IMPERMEABLE MEMBRANE MUST	
	20. PLEASE NOTE THAT THIS V RELOCATED AS THE STON THE WALL. ANY FUTURE M ACCOMPANIED WITH A FIE	VALL MAY BE IM E WEIGHT BEHI IAINTENANCE V LD REVIEW BY	PACTED IF THE STO ND THE WALL CONT ORK TO THE STOR	ORAGE SYSTEM IS TAMPERED WITH OR TRIBUTES TO THE GLOBAL STABILITY OF IM STORAGE SYSTEM SHOULD BE CONSULTANT TO ENSURE THE RETAINING	
	DRAINAGE DETAILS:				
1	N.T.S.				
RETAINING WALL STANDARD UNITS RETAINING WALL STANDARD UNITS PER SITE					
		PERFORATED DRAIN c/w THROUGH FACE OF RETA		SPECIFIC DRAWING FREE-DRAINING SAND AND GRAVEL MATERIAL PER SITE SPECIFIC DRAWING	
				FILTER FABRIC AROUND DRAIN OUTLET TO PREVENT MIGRATION OF GRANULAR MATERIAL THROUGH NOTCH	
MDD				MIN. Ø100mm PERFORATED DRAIN dw FILTER SOCK TO OUTLET THROUGH NOTCH IN FACE OF RETAINING WALL	
RETAINING WALL UNITS TO BE NOTCHED AROUND DRAIN OUTLET STRUCTURAL FILL TO HAVE MINIMUM				GRANULAR BASE PER SITE SPECIFIC DRAWING	
				S I RUG TURAL FILL TO PAVE MINIMUM BEARING CAPACITY AS SPECIFIED ON SITE SPECIFIC DRAWING	
- RETAINING WALL STANDARD UNITS				- RETAINING WALL STANDARD UNITS PER SITE	
	–MIN. Ø100mm	L STANDARD UNITS PERFORATED DRAIN c/w THROUGH FACE OF RETA		SPECIFIC DRAWING FREE-DRAINING SAND AND GRAVEL MATERIAL PER SITE SPECIFIC DRAWING	
				FILTER FABRIC AROUND DRAIN OUTLET TO PREVENT MIGRATION OF GRANULAR MATERIAL THROUGH GAP	
M.D.D.				MIN. Ø100mm PERFORATED DRAIN ofw FILTER SOCK TO OUTLET THROUGH GAP IN FACE OF RETAINING WALL	
TO ALLOW DRAIN OUTLET				GRANULAR BASE PER SITE SPECIFIC DRAWING	
		<u>(</u>	OPTION # 2	ORIGINAL COMPETENT SOIL OR COMPACTED STRUCTURAL FILL TO HAVE MINIMUM BEARING CAPACITY AS SPECIFIED ON SITE SPECIFIC DRAWING	
Sta	amp:	Scale:	AS SHOWN		
	OPROFESSIONAL &	Drawn by:		PG3798	
	E I. ABOU-SEIDO	Checked by:	NFRV	1	
	100156744	Approved by:	JV	PG3798-2	
	BOWINCE OF ONTANIO		FA		
	CE OF UN	Date:	03/2023	Revision No.: 5	