

	20.0m	22	.0m			
Ш	7 = 105.80m T GC					
1	28B 28HB			APPROVE	<b>D</b> sche at 10:08 am, Oct 02, 2024	
3	USW = 104.89		(	Dy Noroton	sche at 10.00 ani, eet e_, _e_	
/:	= 104.43m			1/4	nth	
/				quin	Three	
			IANAGEI INING, DI	R (A), DEVELO EVELOPMENT	CHE, MCIP RPP PMENT REVIEW WEST AND BUILDING SERVICES ITY OF OTTAWA	
NO	DTES:					
1.					NSTRUCTION SITE SAFETY. PATERSON FION OR FOR SAFETY OF WORKERS OR OF	
2.	THIS DESIGN IS BASED ON THE	E FOLLOWING SC <u>RETAINED FILL</u>		IES: FOUNDATION MEDIUM	M (1 <u>)</u>	
	FRICTION ANGLE - φ	40° 22 kN/m3	:	33° 18 kN/m3		
	COHESION - C	0	:	18 kN/m3 5 kPa		
		OPSS GRANULA TYPE II				
	CONTRACTOR. SEISMIC LO	MATERIAL PROPERTIES ARE BASED ON SITE EVALUATION BY PATERSON GROUP AND DISCUSSIONS WITH CONTRACTOR. SEISMIC LOADING WAS EVALUATED ACCORDING TO THE CURRENT CHBDC S6:2019 WITH A PEAK GROUND ACCELERATION VALUE OF 0.32.				
3.	PR.160401511 - GRADING PL SLS OF 150 kPa ON VERY ST	AN - GP1 REVIS	ION 3. THE V . PATERSON	VALL BASE DESIGN I GROUP ENGINEER	DED BY STANTEC CONSULTING ASSUMES A BEARING RESISTANCE AT & SHOULD OBSERVE THE BEARING CCOMMODATE THE SITE CONDITIONS, IF	
4.	GLOBAL STABILITY WITH A F CONDITIONS. WALL GEOMET THE GRADING PLAN PROVID	FACTOR OF SAFI TRY AND GRADE DED HERE IN. IF T CONFORM, INS	ETY OF 1.5 F E ELEVATION ACTUAL SIT	OR STATIC CONDIT NS ABOVE AND BELO E GRADES VARY SIG	MODULAR RETAINING WALL SYSTEM AND TIONS AND 1.1 UNDER SEISMIC OW THE WALL SHOULD CONFORM WITH GNIFICANTLY FROM THOSE SHOWN OR IF ED UNTIL THE DESIGN IS VERIFIED OR	
5. 6.					URED UNDER LICENSE FROM REDI-ROCK.	
υ.	98% OF THE MATERIALS SP CONSTRUCTION. SURFACE ENSURE GRADATION OF DR	THE WALL BASE FOR THE WALL SHALL CONSIST OF A MIN. 300mm THICK OPSS GRANULAR A COMPACTED TO MIN. 28% OF THE MATERIALS SPMDD AND TESTED BY PATERSONGROUP GEOTECHNICAL PERSONNEL AT THE TIME OF CONSTRUCTION. SURFACE OF GRANULAR BASE MAY BE DRESSED WITH FINER AGGREGATE TO AID LEVELING. ENSURE GRADATION OF DRESSING MATERIAL IS SUCH AS TO PRECLUDE LOSS OF FINES INTO BASE. THE THICKNESS OF DRESSING LAYER SHOULD NOT EXCEED 3 TIMES THE MAXIMUM PARTICLE SIZE USED.				
	BEDDING LAYER EXTENDING	WALL IS DESIGNED WITH A MIN. 200mm TOE EMBEDMENT WITH A MIN. HORIZONTAL LEDGE WITH A GRANULAR BEDDING LAYER EXTENDING A MIN. 300mm BEYOND THE FACE AND HEEL OF THE BASE BLOCK				
8.	INSTALL 100mm DIAMETER PERFORATED PIPE WRAPPED WITH A GEOSOCK DRAIN BEHIND HEEL OR UNDER THE WALL. PROVIDE CLEAR STONE SURROUND TO PROTECT PIPE FROM CLOGGING AND DAMAGE. PROVIDE OUTLETS THROUGH WALL, NO FURTHER APART THAN 15.0m ON CENTRES AND OR AT THE END OF THE WALL. THE DRAINAGE PIPE SHOULD BE CONNECTED TO A POSITIVE OUTLET ON BOTH ENDS OF THE RETAINING WALL SUCH AS AN EXISTING DITCH OR CATCH BASIN. ANY PIPE OUTLET SHOULD BE PROTECTED BY A RODENT GUARD.					
9.		REA. WHERE GR			DURING PREPARATION FOR WALL E SUFFICIENT THE USE OF CONCRETE	
10.	ALIGNMENT OF THE BOTTOM AUTOMATIC SETBACK WILL				O CONSIDER THAT A NOMINAL 41mm GHT.	
11.	CONSIST OF OPSS GRANUL/ 1H:1V ZONE UP AND BACK F MAXIMUM 300mm LOOSE LIF	BACKFILL MATERIAL SHALL BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO USE AND SHOULD CONSIST OF OPSS GRANULAR A OR B TYPE II FOLLOWED BY SUITABLE BACKFILL MATERIAL. ALL FILL WITHIN A IH:1V ZONE UP AND BACK FROM THE HEEL SHOULD ALSO BE COMPACTED. BACKFILL SHALL BE PLACED IN MAXIMUM 300mm LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95% OF SPMDD. MOISTURE CONTENT SHOULD BE CONTROLLED AND MAINTAINED WITHIN -3 TO +4 PERCENT OF OPTIMUM.				
12.	. MAINTAIN TEMPORARY GRA SLOPE FINAL BACKFILL TO F				1 THE RETAINING WALL EXCAVATION. TE PONDING.	
13.	BEHIND THE RETAINING WAI	BACKSLOPE SHOULD BE CUT BACK TO A MINIMUM OF 2H:1V TO 3H:1V TO MAINTAIN A LONG TERM SAFE SLOPE BEHIND THE RETAINING WALL. IT SHOULD BE NOTED THAT WHERE TREES ARE PRESENT WITHIN THE TOP OF SLOPE. A MINIMUM 1.0m SET BACK IS REQUIRED FOR EXCAVATION FROM THE EDGE OF THE TREE LINE WHERE PRESENT.				
	EXCAVATION SIDE SLOPES SHOULD BE PROTECTED TEMPORARILY DURING CONSTRUCTION FROM PRECIPITATION EVENTS BY PLACEMENT OF TARPS.					
15.	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.					
16.	ANY CUTTING OF BLOCKS TO SUIT SITE CONDITIONS OR WALL DESIGN WILL BE RESPONSIBILITY OF THE CONTRACTOR.					
17.	BASE MUST COVERED WITH POTENTIAL FROST HEAVE. ( INSULATION TARPS OVERNI	I HIGH GRADE IN ONCE THE BASE GHT UNTIL THE FER CONSTRUC	SULATION IS BACKFIL WALL CONS TION TO ENS	TARPS TO MAINTAIN LED, THE TOP OF T STRUCTION IS COMP SURE THE WALL CO	WHEN THE BASE IS EXPOSED. THE WALL N HEAT AND PROTECT THE BASE FROM THE WALL MUST BE COVERED WITH PLETED. ADDITIONAL INSPECTIONS WILL INSTRUCTION IS IN GENERAL	
	Stamp:		cale:	AS SHOWN	File No.: PG4772	
	APROFESSION 02/11/2022	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	rawn by:		<b>FG4112</b> Drawing No.:	

**Revision No.:** 

PG4772-2

BN

JV

02/2022

roved by

J. R. VILLENEUVE