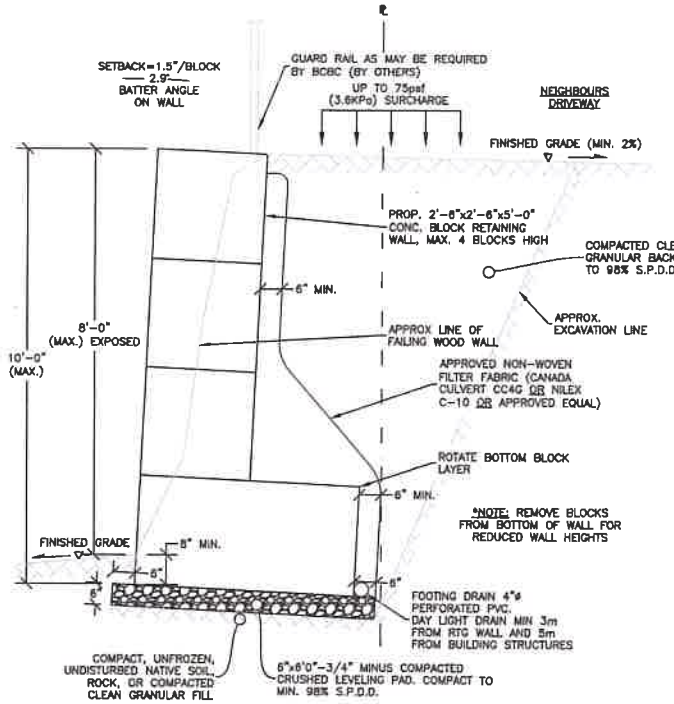
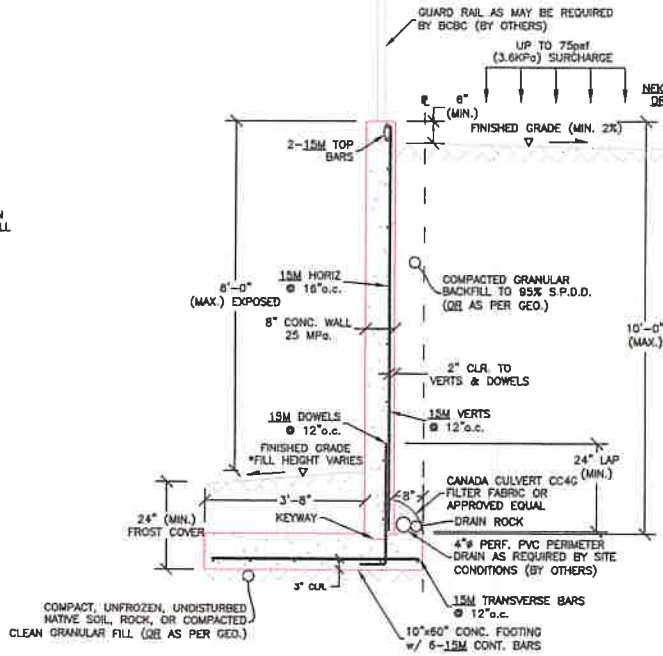
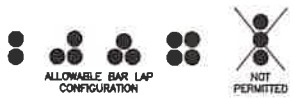


1 S1.0 OPTION A - CONC. BLOCK RTG. WALL DETAIL
SCALE: 3/8" = 1' 0"



2 S1.0 OPTION B - CAST-IN-PLACE
SCALE: 3/8" = 1' 0"



ASSUMED SOIL PROPERTIES:
BEARING CAPACITY: 3000psf
BACKFILL UNIT WEIGHT: γ = 125pcf
INTERNAL ANGLE OF FRICTION (BACKFILL): Φ = 34°

DESIGN LOADS:
CONC. BLOCK WALL DEAD LOAD = 140pcf
VEHICLE LIVE LOAD SURCHARGE: 250 psf

DIMENSIONS NOTE:
DO NOT SCALE FROM THESE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE DESIGNER OF ANY DIMENSION DISCREPANCIES FOR CLARIFICATION PRIOR TO ORDERING MATERIALS. DIMENSIONS ARE TAKEN FROM THE EDGE OF FRAMING OR TO THE CENTER OF FRAMING AND/OR OPENINGS.

DENSITY TESTING:
THIRD PARTY DENSITY TESTING OF CRUSH LEVELING PAD REQUIRED; TO BE CO-ORDINATED BY OWNER / CONTRACTOR

NOTES:
1. ALL EXPOSED CONCRETE 25 MPa MIN. U.N.O.
2. FOOTINGS TO REST ON COMPACT UNDISTURBED, UNFROZEN NATIVE SOIL, ROCK OR COMPACTED GRANULAR FILL.
3. BASE OF BLOCK TO BE 1'0" MIN. BELOW FINISHED GRADE.
4. ENGINEER TO REVIEW LEVELING PAD PRIOR TO PLACEMENT OF BLOCKS.
5. ENGINEER TO PERIODICALLY REVIEW BLOCK PLACEMENT, BACKFILL AND COMPACTION, NOTIFY ENGINEER OF CONSTRUCTION SCHEDULE.
6. FOUNDATION DESIGN IS TENTATIVE AND SUBJECT TO REVIEW OF THE EXCAVATION.
6. ALLOWABLE SOIL BEARING CAPACITY IS TENTATIVE AND SUBJECT TO SITE REVIEW.
7. SUBMIT SHOP DRAWINGS TO ENGINEER FOR ALL MANUFACTURED COMPONENTS PRIOR TO CONSTRUCTION.

SCOPE OF FIELD REVIEW:
EQUILIBRIUM ENGINEERING LTD. PROVIDES FIELD REVIEW ONLY FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS PREPARED BY EQUILIBRIUM. THIS REVIEW IS A PERIODIC REVIEW AT THE PROFESSIONAL JUDGEMENT OF EQUILIBRIUM. THE PURPOSE IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY EQUILIBRIUM, AND TO FACILITATE THE COMPLETION OF THE LETTERS OF ASSURANCE FOR THE LOCAL BUILDING AUTHORITY. FIELD REVIEWS BY EQUILIBRIUM ARE NOT CARRIED OUT FOR THE BENEFIT OF THE CONTRACTOR(S) WORK. IT REMAINS THE CONTRACTOR(S) SOLE RESPONSIBILITY TO PROVIDE THEIR OWN QUALITY CONTROL AND TO PERFORM THE WORK WITH GOOD WORKMANSHIP AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

NOTES:
- ALL CONSTRUCTION AND/OR MATERIALS SHALL BE IN ACCORDANCE WITH THE DISTRICT CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS, AND THE CURRENT BC BUILDING CODE.
- THE PERSON(S) CONSTRUCTING THE WORKS AS SHOWN ON THE PLANS SHALL BE FAMILIAR WITH THE SPECIFICATIONS AND SITE CONDITIONS
- ANY MODIFICATIONS DURING CONSTRUCTION THAT DEVIATE FROM THE SPECIFICATIONS OR APPROVED CONSTRUCTION PLANS SHALL BE APPROVED BY THE ENGINEER AND THEN BY THE DISTRICT.
- LOCATING EXISTING UTILITIES AND SERVICES REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.
- SUBMIT SHOP DRAWINGS TO ENGINEER FOR ALL MANUFACTURED COMPONENTS PRIOR TO CONSTRUCTION.

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DRAWING LIST

S1.0	RETAINING WALL DETAILS

No.	DATE	DRN	CHK	DESCRIPTION
0	05/23/24	SJR	SR	FOR CLIENT REVIEW / FOR PERMIT

ISSUES/REVISIONS

SEAL:

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. J. REEMS # 42490

MAY 24 2023

PERMIT to PRACTICE: #1002401

EQUILIBRIUM ENGINEERING
#176-48 INDUSTRIAL AVE W. 250-770-9010
PENTICTON, BC, V2A 6M2 www.eqengineering.ca

CLIENT: DARRELL CAPUNE

PROJECT NAME: PROPERTY LINE RTG. WALL
1204 VETERAN DRIVE, PENTICTON, BC

DRAWING TITLE: RETAINING WALL DETAILS

SCALE: *AS SHOWN*	DATE: MAY 24, 2023
DESIGN BY: SR	DRAWN BY: SJR
CHECKED BY: SR	PROJECT No.: 23-062
DRAWING No.: S1.0	SHEET: 1 of 1
	REV.: 0