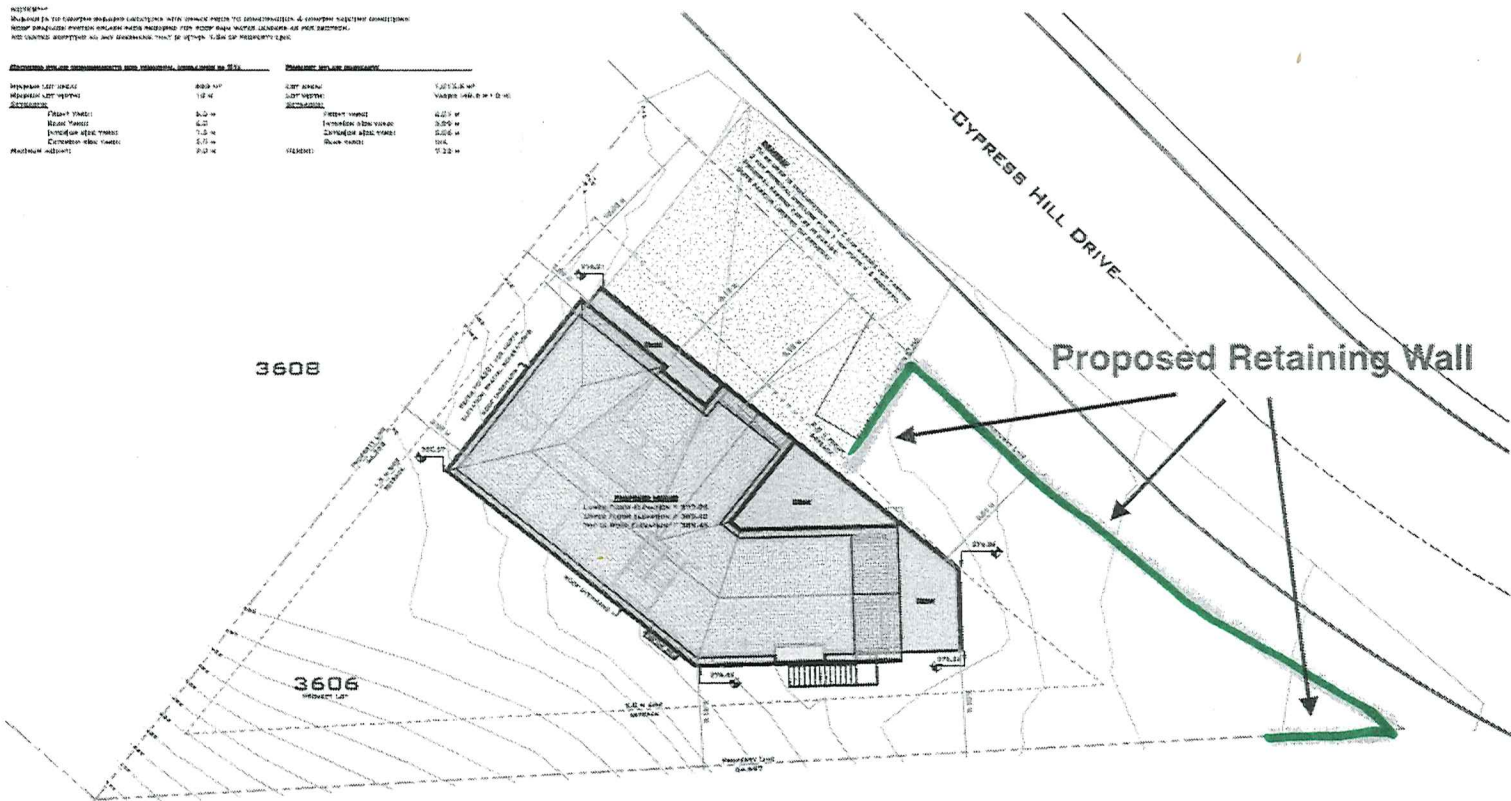


PROJECT / ZONING DATA

PROJECT ADDRESS: 3678 CYPRESS HILL DRIVE, ESSEXVILLE, MI
 LAND ACQUISITION: N/A
 ZONING: R1 (RESIDUAL LIGHT COMMERCIAL)
 SITE AREA: 1.2726 AC (55,000 SQ FT)
 FRONTAGE: 178.00 FT

NOTES:
 1. REFER TO THE SURVEY FOR ALL DIMENSIONS AND TO THE ZONING & CONCEPT SITE PLAN FOR ALL DIMENSIONS.
 2. THE PROPOSED RETAINING WALL IS SHOWN IN GREEN ON THE SITE PLAN.
 3. THE PROPOSED RETAINING WALL IS TO BE CONSTRUCTED AT THE DISCRETION OF THE ENGINEER.

EXISTING LOT DIMENSIONS AND PERMITS (AS SHOWN ON 2011)		PROPOSED LOT DIMENSIONS	
EXISTING LOT AREA	4800 SQ FT	LOT AREA	1,272,600 SQ FT
EXISTING LOT WIDTH	100 FT	LOT WIDTH	VARIES (SEE PLAN)
EXISTING LOT DEPTH	100 FT	EXISTING DEPTH	100 FT
EXISTING LOT FRONT YARD	0.00 FT	EXISTING FRONT YARD	40.00 FT
EXISTING LOT SIDE YARD	0.00 FT	EXISTING SIDE YARD	30.00 FT
EXISTING LOT REAR YARD	0.00 FT	EXISTING REAR YARD	30.00 FT
EXISTING LOT CORNER YARD	0.00 FT	EXISTING CORNER YARD	0.00 FT
EXISTING LOT TOTAL	0.00 FT	EXISTING TOTAL	100.00 FT



Geotechnical Consulting & Design
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 Ann Arbor, MI 48106
 734.769.1111
 www.gchd.com



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THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO EVIDENCE OF CONTAMINATION OR OTHER HAZARDOUS CONDITIONS. THE ENGINEER HAS NOT CONDUCTED ANY SOIL TESTING OR OTHER INVESTIGATIONS TO DETERMINE THE PRESENCE OF CONTAMINATION OR OTHER HAZARDOUS CONDITIONS.

NO.	DATE	REVISION

PROJECT: CYPRESS HILLS SPEC HOUSE

PROJECT NO: A101

DATE: 10/20/2011
 DRAWN BY: J. BROWN
 CHECKED BY: A. BROWN

SCALE: 1/8" = 1'-0"

SITE PLAN & SITE INFORMATION

THIS DOCUMENT IS THE PROPERTY OF GCHD. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS PLAN OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GCHD.



Notes:

1. Indicative layout of the proposed 15ft Gravity Retaining Wall is shown. Final layout shall be confirmed in the field and approved by RGC during excavation.
2. See Figure 2 & 3 showing typical sections and indicative profile, including construction details.
3. Surficial geology for this area has been mapped as colluvial sands and gravels and aeolian silty sand (Geological Survey of Canada). Possible bedrock near surface. Subgrade soils to be verified by RGC during excavation.
4. Spot elevations are approximate, providing existing grades (EGL) and final grade (FGL). See Profile for further reference.
5. Offset from property boundary should be minimum 750mm or 2.5ft. Offset may vary according to wall height and soil conditions, and approved by RGC. Survey verification of wall layout and property boundary by others, as needed.
6. Basemap imagery from RDOS-Osoyoos Orthophoto. Verification of buried utilities by contractor, as needed.

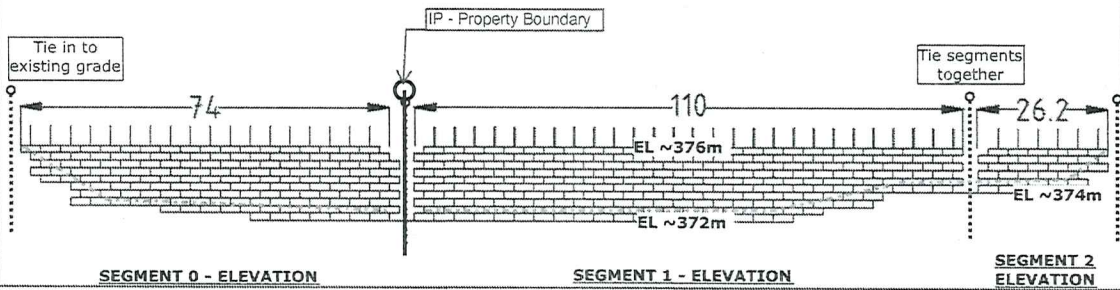
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FIGURE 1 - Site Plan - 15ft Gravity Wall - Redi Rock Block
 3606 Cypress Hills Drive, Osoyoos, BC

2024 06 06 TJB Site Plan 3606 Cypress hills Drive RGC-3766

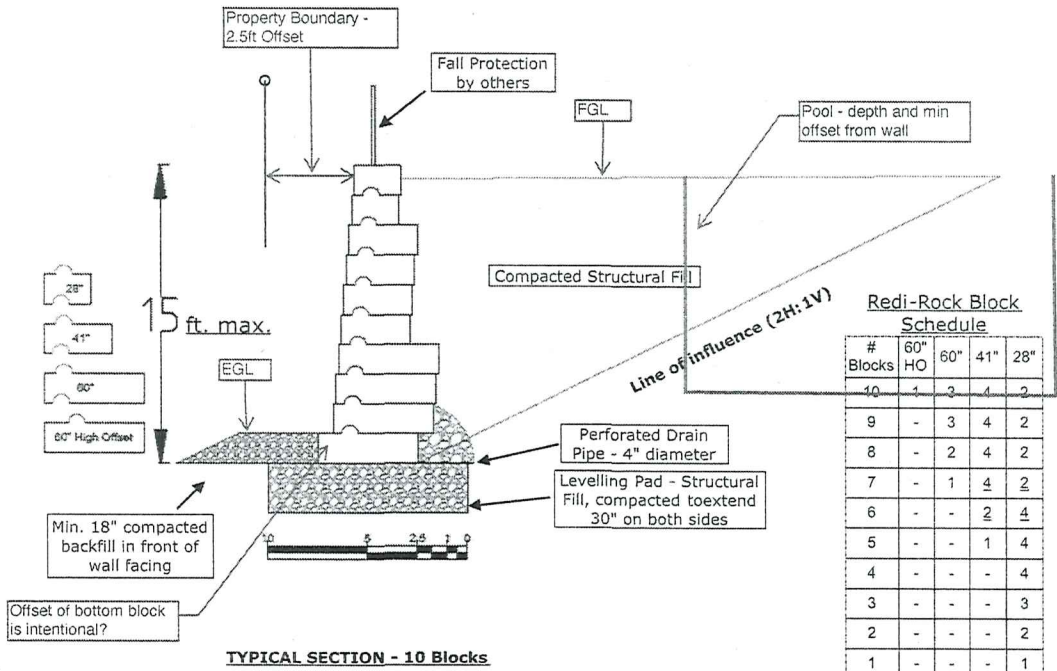
Design	BF	2024 06 05	Drawn	BF	2024 06 05
Checks					
Date	Name	Description			
2024 06 05	TJB	ISSUED FOR PERMITTING			
EGBC Permit No. 1002767					



SEGMENT 0 - ELEVATION

SEGMENT 1 - ELEVATION

SEGMENT 2 ELEVATION



TYPICAL SECTION - 10 Blocks

# Blocks	60" HO	60"	41"	28"
10	1	2	4	2
9	-	3	4	2
8	-	2	4	2
7	-	1	4	2
6	-	-	4	4
5	-	-	1	4
4	-	-	-	4
3	-	-	-	3
2	-	-	-	2
1	-	-	-	1

Notes:

- Gravity Wall to consist of Redi-Rock Gravity Blocks, 28", 41" and 60" wide block with standard setback at 1-5/8" and the bottom block in 10 block configuration 9-3/8" setback. To be installed as per manufacturer's specification.
- RGC to be on site to supervise excavation, approve subgrade soil preparation, block and structural backfill placement, and drainage installation.
- Leveling pad to provide 3000 psf allowable bearing resistance. 30" structural fill (3 in. minus), compacted to 100% SPMD or as approved in the field. Leveling pad to be minimum 10 ft. wide (extend 30" on all sides). Where alternate reinforced concrete footing is preferred, typical section (by others) to be provided for review.
- Drainage measures to consist of perforated drain pipe (4 in.) at the heel of the block, covered with minimum 12 in. thickness of drain rock (clean, 0.75") and covered with geotextile-separation layer. Drain to daylight onto non-erodible surface.
- Backfill behind the blocks shall consist of structural fill materials (3" minus crushed gravel and sand). Fill should be placed in 300 mm lifts and compacted to 100% SPMD.
- Backfill in front of the wall, to reach the top of the first block at minimum, or as approved by geotechnical engineer.
- Wall segments to be tied together or into existing grade. Curvature to be confirmed in the field. Lengths of walls and changes in elevation are approximate and will be confirmed in the field.
- Wall has been designed with a surcharge load of 100 psf, and a pool to be set minimum 9 ft. behind the uppermost block and set entirely below grade. Changes as approved by geotechnical engineer.
- Line of Influence (2H:1V from heel of wall) for loading on retaining wall is marked. Any additional surcharge loading within this limit (30 ft.) should be reviewed by a geotechnical engineer.
- Fence or fall protection barrier should be installed as per BC Building Code and local bylaws (by others).
- Temporary slopes and tie-ins to be reviewed by geotechnical engineer.

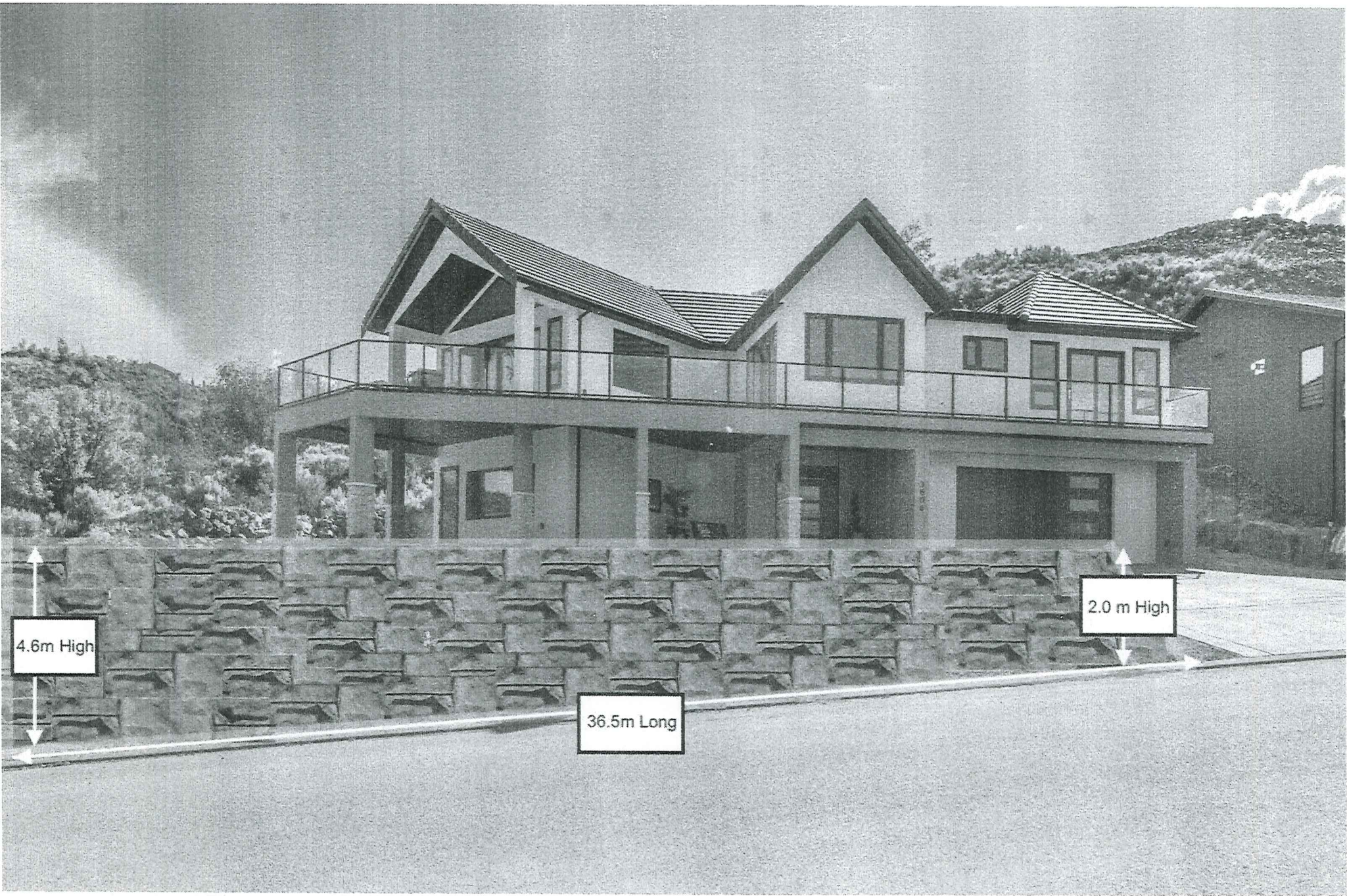
FINAL



Redi-Rock Gravity Retaining Wall 15 ft. High
Typical Section and Segment Elevations
 3606 Cypress Hills Drive, BC, Osoyoos

Design	BF	2024 05 29	Drawn	BF	2024 06 03
Checks					
Date	Name	Description			
2024 06 03	TJB	ISSUED FOR PERMITTING			
EGBC Permit No. 1002767					

RGC-3766



4.6m High

36.5m Long

2.0 m High