










**DGH**  
**ENGINEERING LTD.**  
*PROFESSIONAL SERVICE - PRACTICAL SOLUTIONS*

Sheet List Table

SHEET NUMBER	REVISION NO	SHEET TITLE
Civil		
C1	R00	SITE PLAN
L1	R00	PLAN VIEW, SECTIONS & DETAILS
L2	R00	CONSTRUCTION DETAILS & NOTES
L3	R00	DISCHARGE DETAILS

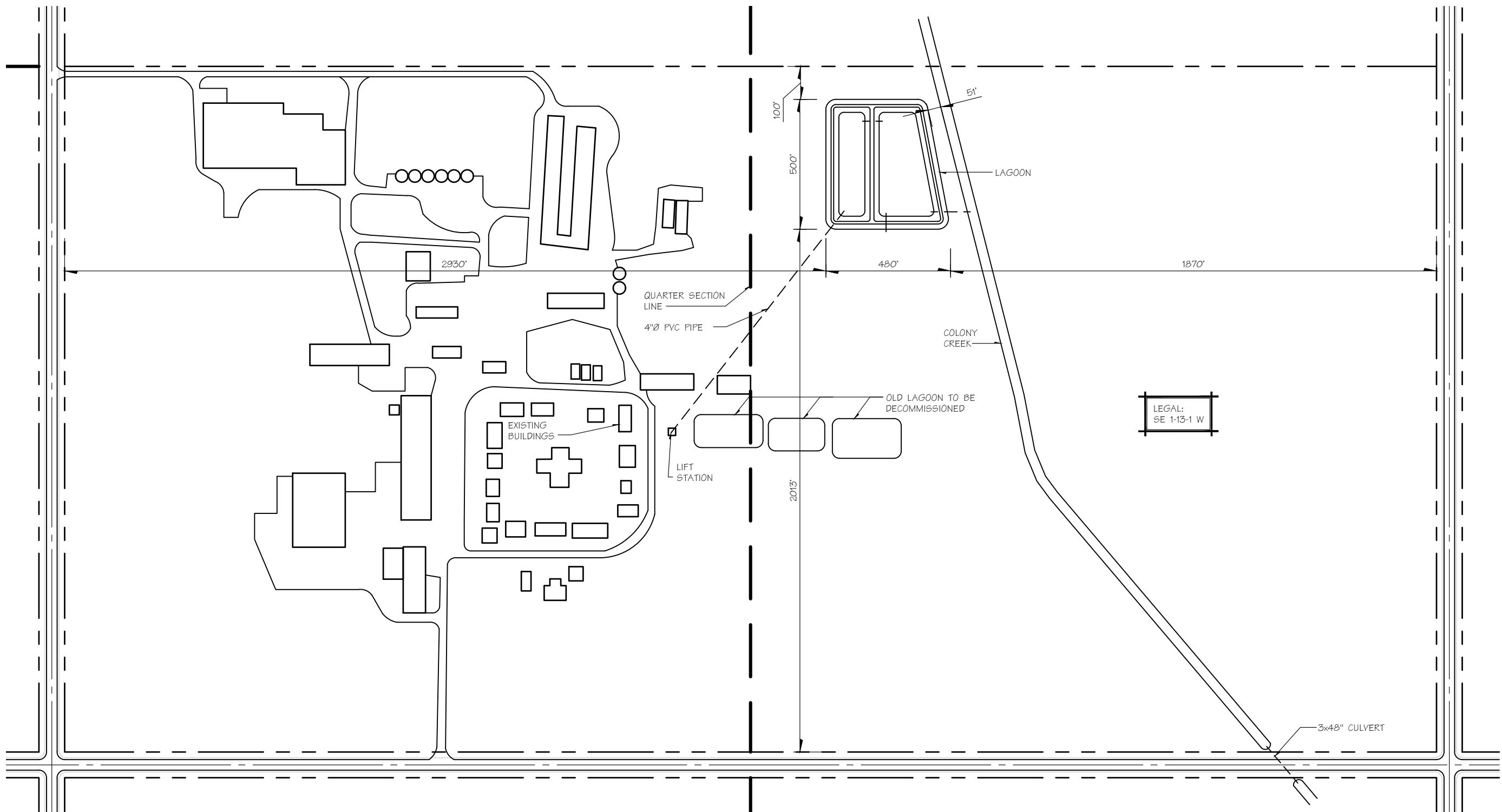
RECORD DRAWING

GENERAL ANNOTATION		
ITEM	SYMBOL	REMARKS
ELEVATION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT, SECTION		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
WALL SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
BUILDING SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
ROOM NUMBER CALLOUT		
DOOR NUMBER CALLOUT		
WINDOW NUMBER CALLOUT		
REVISION NUMBER CALLOUT		

ABBREVIATIONS LEGEND									
ARCH	ARCHITECTURAL	CORR	CORRIDOR	FTG	FOOTING	O/C	ON CENTRE	T.L.L.	TOP LOWER LEVEL
B.U.	BUILT-UP	DIA	DIAMETER	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	T.U.L.	TOP UPPER LEVEL
B.L.L.	BOTTOM LOWER LAYER	DIAG	DIAGONAL	G.L.	GRID LINE	PRE-ENG	PRE-ENGINEERED	T&G	TONGUE & GROOVE
B.U.L.	BOTTOM UPPER LAYER	DS	DOWNSPOUT	H/C	HANDICAPPED	PREFIN	PREFINISHED	T&B	TOP & BOTTOM
BD	BOARD	DTL	DETAIL	HORIZ	HORIZONTAL	PROJ	PROJECTION	THKG	THICKENING
BLDG	BUILDING	DP	DEEP	HR	HOUR	PTD	PAINTED	THRU	THROUGH
BLKG	BLOCKING	DWG	DRAWING	HT	HEIGHT	P.L.	PROPERTY LINE	TJ	TIE JOIST
BOT	BOTTOM	E/F	EACH FACE	INSUL	INSULATION	R/W	REINFORCED WITH	T/O	TOP OF
B/W	BOTH WAYS	E/S	EACH SIDE	ID	INSIDE DIAMETER	REINF	REINFORCING	TYP	TYPICAL
BRG	BEARING	E/W	EACH WAY	INT	INTERIOR	REQD	REQUIRED	U/S	UNDERSIDE
C.L.	CENTERLINE	EL	ELEVATION	LG	LONG	SCH	SCHEDULE	UNO	UNLESS NOTED OTHERWISE
C/W	COMPLETE WITH	ELEV	ELEVATION	LOC	LOCATION	SECT	SECTION	VERT	VERTICAL
CANT	CANTILEVER	EQ	EQUIVALENT	MACH	MACHINE ROOM	SHTG	SHEATHING	W/	WITH
C.J.	CONTROL JOINT	EXT	EXTERIOR	MAX	MAXIMUM	SIM	SIMILAR	WP	WORK POINT
COL	COLUMN	F/H	FULL HEIGHT	MFR	MANUFACTURER	SQFT	SQUARE FOOT	W/R	WASHROOM
COMP	COMPACTED	F/O	FACE OF	MID	MIDDLE	SQM	SQUARE METER		
CONC	CONCRETE	FD	FLOOR DRAIN	MIN	MINIMUM	STD	STANDARD		
CONST	CONSTRUCTION	FND	FOUNDATION	NO	NOT IN CONTRACT	STOR	STORAGE		
CONT	CONTINUOUS	FLR	FLOOR	NO.	NUMBER	STRL	STRUCTURAL		

CLIENT **ROCK LAKE HOLDING LTD.**

PROJECT **DOMESTIC WASTEWATER TREATMENT LAGOON**



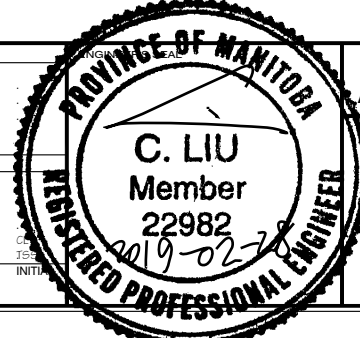
**SITE PLAN**  
SCALE: 1" = 400'

SITE DEVELOPMENT - GENERAL SITE	
ITEM	SYMBOL
PROPERTY LINE	---

**APEGM**  
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**DGH Engineering Ltd.**  
No. 540 Date: 2019-02-28

NO.	DATE	DESCRIPTION
02	19/02/05	RECORD DRAWING
01	12/12/20	ISSUED FOR CONSTRUCTION

PRINTED DATE: 12/20/2012 4:18:16 PM



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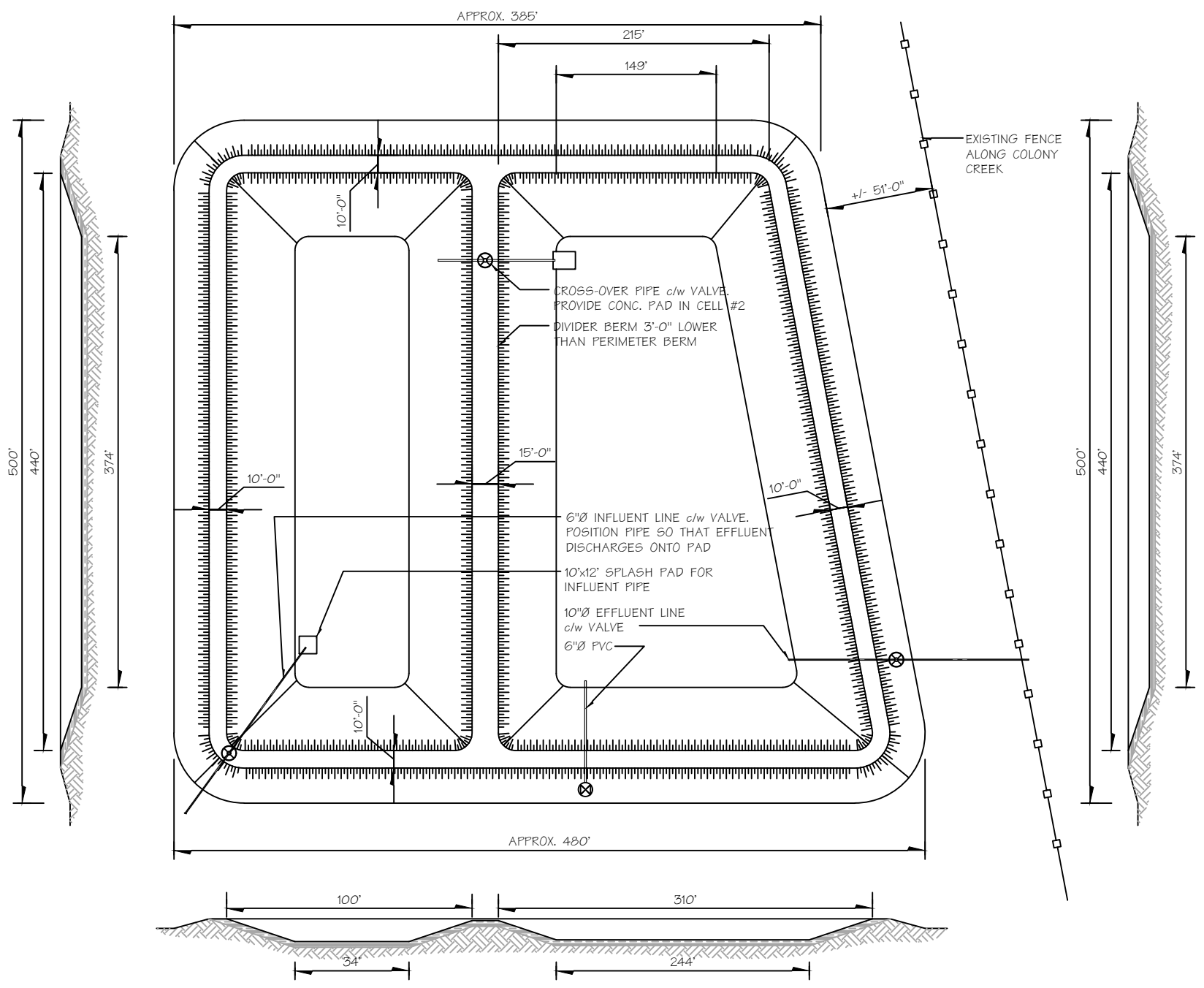
**DGH ENGINEERING LTD.**  
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PHONE: 204-334-3434 FAX: 204-334-3435

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DESIGNED CL	DRAWN TSS	CHECKED .
DATE DEC/2012	SCALE AS NOTED	XREF PATH(S) PROJECT.DWG

CLIENT <b>ROCK LAKE HOLDING LTD.</b> BOX 10 GROSSE ISLE, MB. R0C 1G0	PROJECT TITLE <b>DOMESTIC WASTEWATER TREATMENT LAGOON</b> LEGAL DESCRIPTION <b>SE 1-13-1W</b> PROJECT NUMBER: 12-1-1047-009-10
<b>SITE PLAN</b>	<b>C1</b> REV. 000

LINER THICKNESS CONFIRMATION AND HYDRAULIC CONDUCTIVITY TEST  
 EIGHT TEST HOLES WERE DRILLED FOR CLAY LINER THICKNESS CONFIRMATION. THREE CORE  
 SAMPLES WERE COLLECTED AND TWO OF THEM WERE TESTED FOR HYDRAULIC CONDUCTIVITY.  
 THE TESTED HYDRAULIC CONDUCTIVITIES WERE REPORTED AS  $7.5 \times 10^{-9}$  cm/s AND  $3.2 \times 10^{-8}$  cm/s.

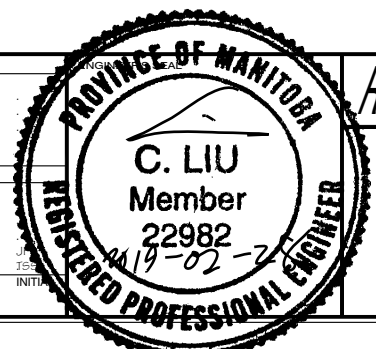


EMS PLAN VIEW

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NO.	DATE	DESCRIPTION
02	19/02/25	RECORD DRAWING
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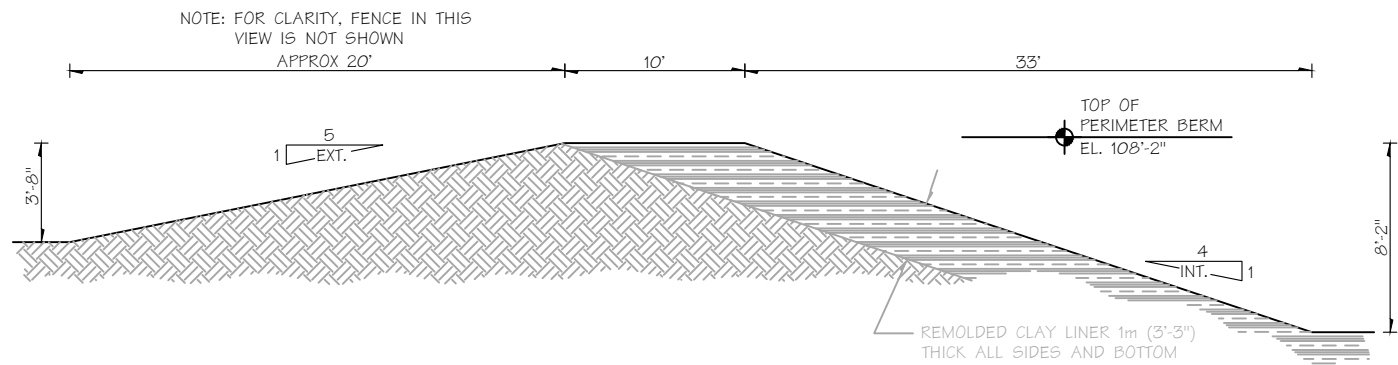
RECORD DRAWING

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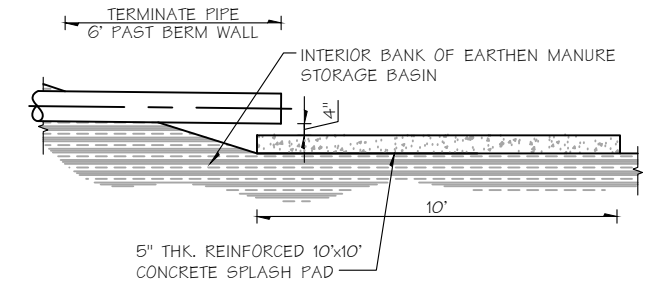
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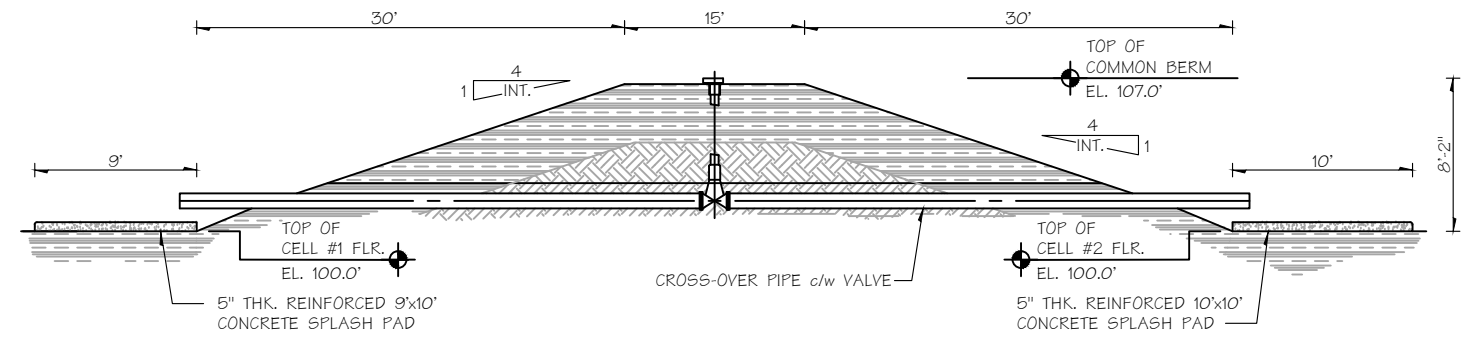
CLIENT ROCK LAKE HOLDING LTD. BOX 10 GROSSE ISLE, MB. R0C 1G0	PROJECT TITLE DOMESTIC WASTEWATER TREATMENT LAGOON LEGAL DESCRIPTION SE 1-13-1W PROJECT NUMBER: 12-1-1047-009-10
PLAN VIEW, SECTIONS & DETAILS	L1 REV. 0 R00



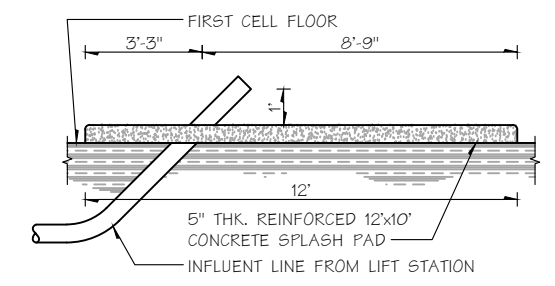
**SECTION THRU PERIMETER BERM**



**CROSS-OVER SPLASH PAD DETAIL (SECONDARY CELL)**



**SECTION THRU COMMON BERM**

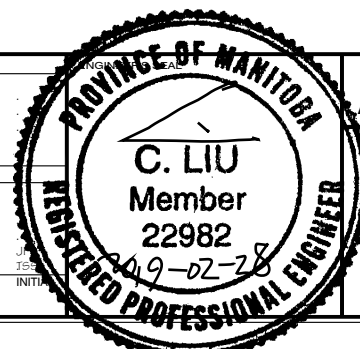


**INFLUENT LINE PAD DETAIL**

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PRINTED DATE: 2/25/2019 3:54:28 PM



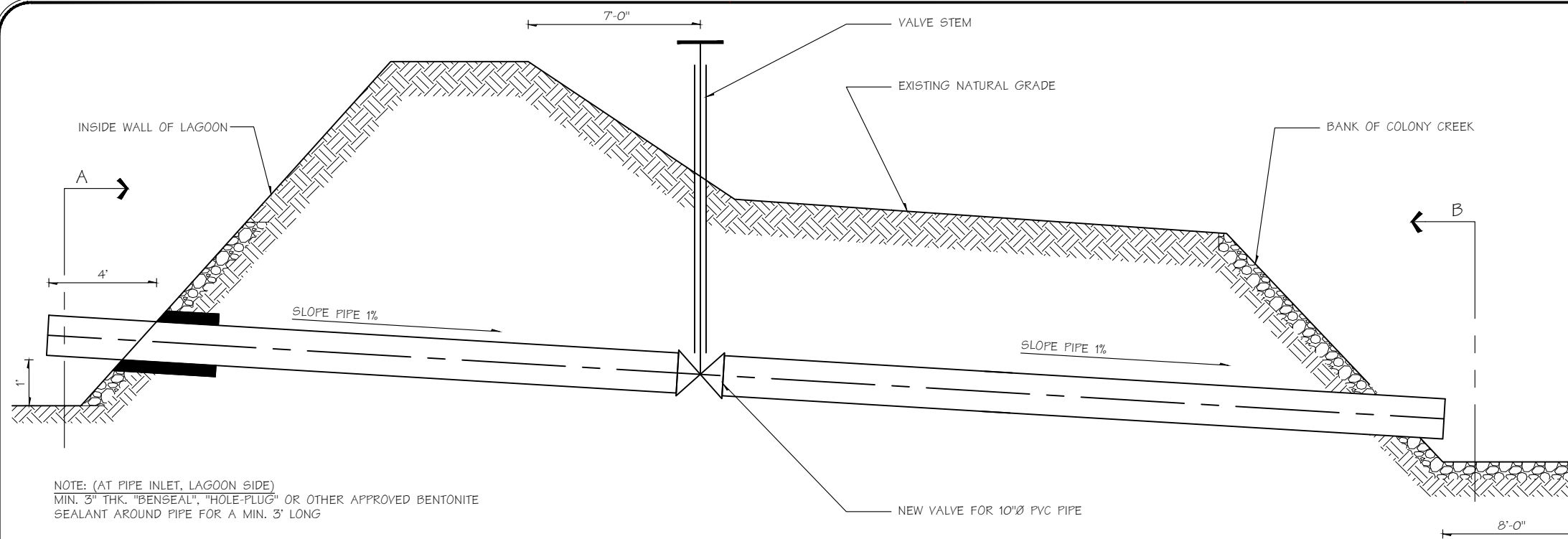
**RECORD DRAWING**

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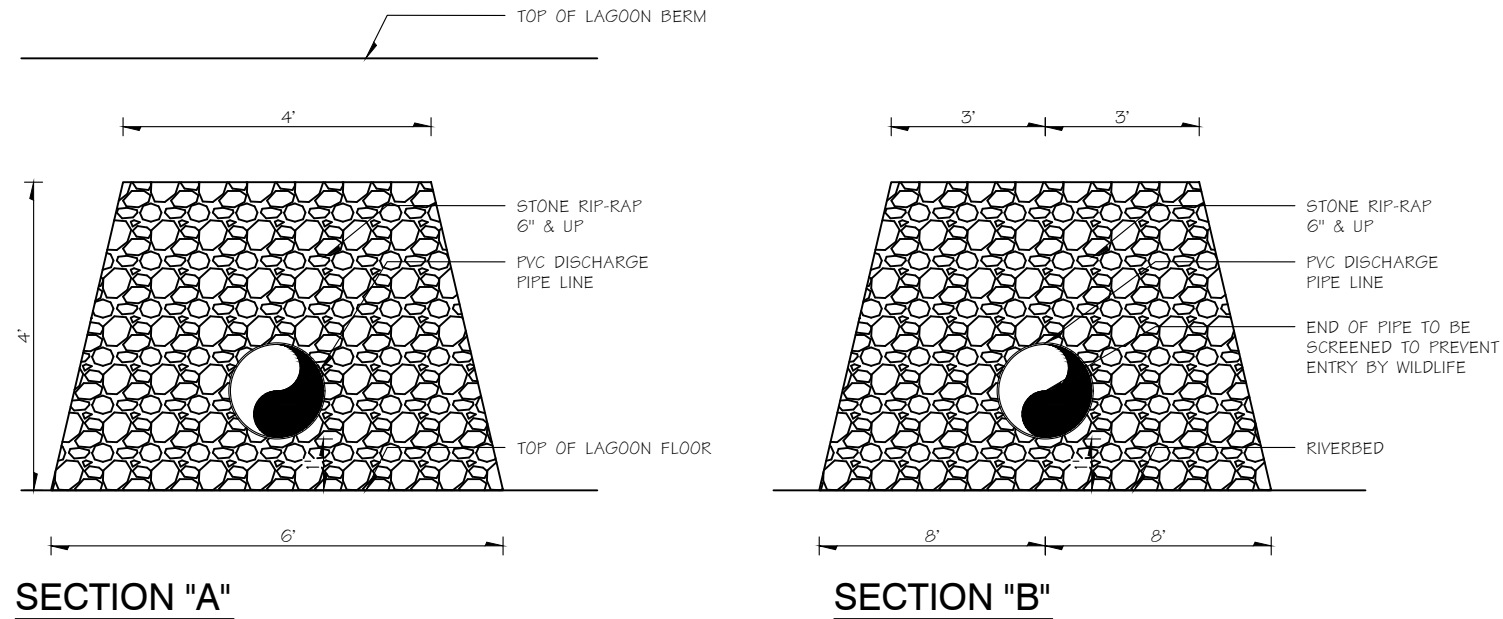
DESIGNED CL	DRAWN TSS	CHECKED .
DATE DEC/2012	SCALE AS NOTED	XREF PATH(S) PROJECT.DWG

CLIENT <b>ROCK LAKE HOLDING LTD.</b> BOX 10 GROSSE ISLE, MB. R0C 1G0	PROJECT TITLE <b>DOMESTIC WASTEWATER TREATMENT LAGOON</b> LEGAL DESCRIPTION <b>SE 1-13-1W</b> PROJECT NUMBER: 12-1-1047-009-10
<b>CONSTRUCTION DETAILS &amp; NOTES</b>	<b>L2</b> REV. 0 R00



NOTE: (AT PIPE INLET, LAGOON SIDE)  
 MIN. 3" THK. "BENSEAL", "HOLE-PLUG" OR OTHER APPROVED BENTONITE  
 SEALANT AROUND PIPE FOR A MIN. 3' LONG

**LAND PROFILE - EFFLUENT PIPE LINE**



**SECTION "A"**

**SECTION "B"**



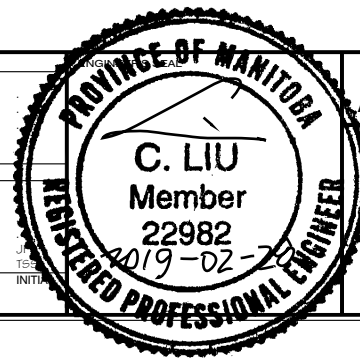
Certificate of Authorization

DGH Engineering Ltd.

No. 540 Date: 2019-02-28

NO.	DATE	DESCRIPTION
01	12/12/20	ISSUED FOR CONSTRUCTION
02	19/02/25	RECORD DRAWING

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DATE DEC/2012	SCALE AS NOTED	XREF PATH(S) PROJECT.DWG

CLIENT <b>ROCK LAKE HOLDING LTD.</b> BOX 10 GROSSE ISLE, MB. R0C 1G0	PROJECT TITLE <b>DOMESTIC WASTEWATER TREATMENT LAGOON</b> LEGAL DESCRIPTION <b>SE 1-13-1W</b> PROJECT NUMBER: 12-1-1047-009-10
<b>DISCHARGE DETAILS</b>	

**L3**  
REV. 000