

REHABILITATION NOTES

Progressive Rehabilitation

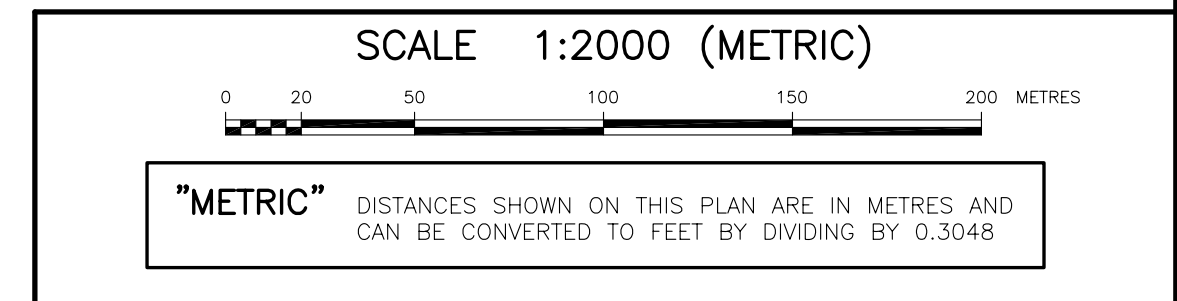
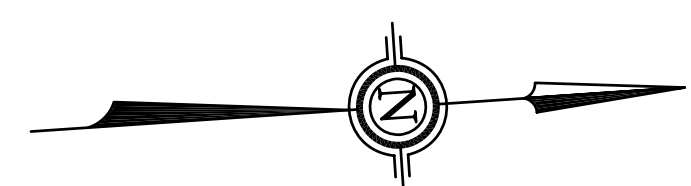
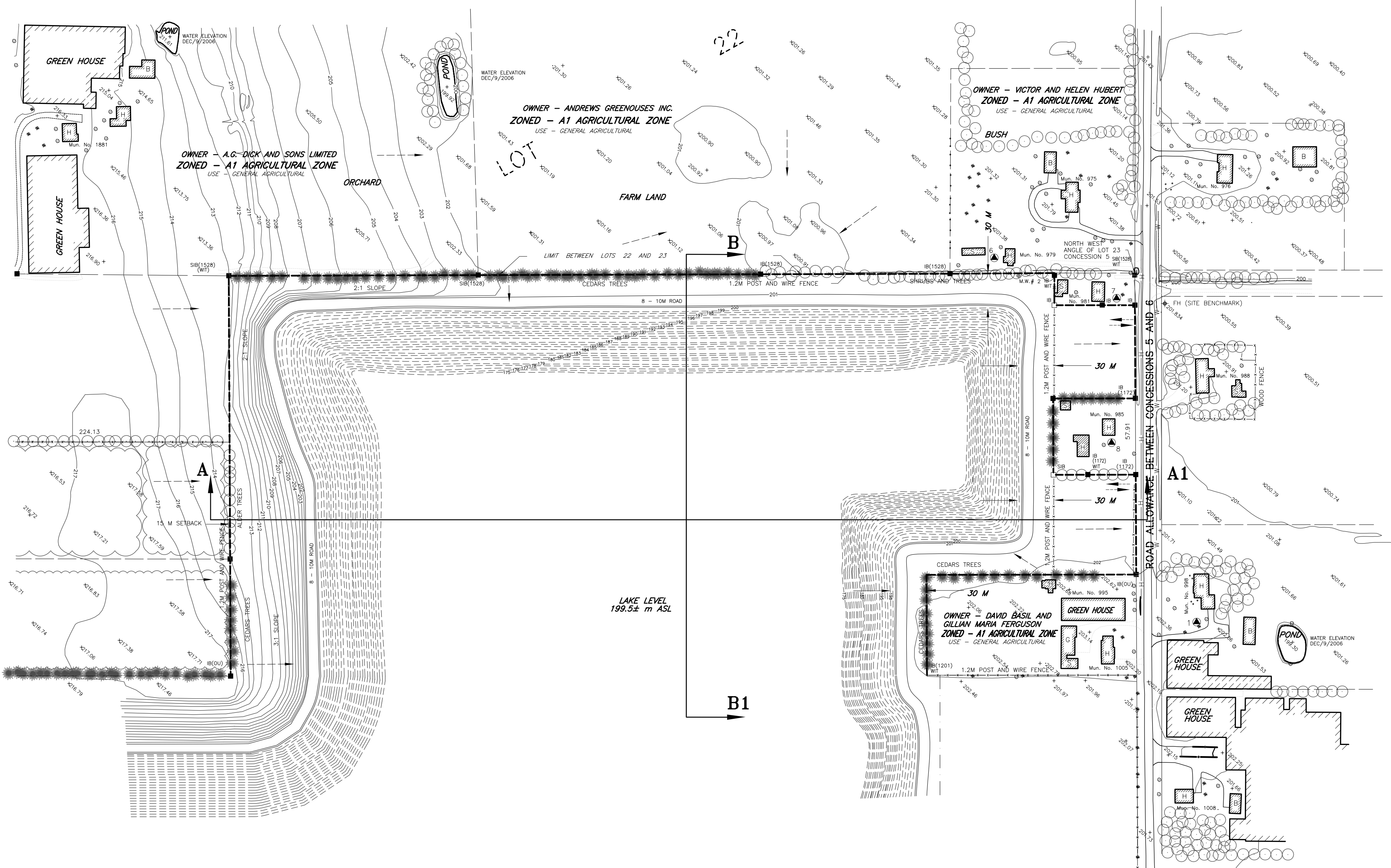
- Progressive Rehabilitation will generally follow extraction in each area, in the same direction as extraction has taken place, and shall be initiated when extraction to the setback limits have been reached.
- All side slopes will be extracted to a 1:1 slope and then backfilled with on site overburden, to a minimum of 2:1 (two horizontal to one vertical) above and below water, to maximize water area.
- Slopes and areas above water will have approximately 0.2 M (20 cm) of topsoil spread on them and be seeded with a grass of legume seed mixture such as that indicated in note #4 under Final Rehabilitation.
- Any area that becomes eroded will be filled, regraded to a stable slope, topsoiled and reseeded.
- Existing topsoil from the site will be used on site for rehabilitation.
- Topsoil will only be moved when it is generally dry, in order to prevent compaction and the site will be kept in an orderly condition.
- Rehabilitation will commence as soon as possible after completion of extraction.
- Notwithstanding note # 2 above, the slope above water adjacent to lands owned by Ross Allan Whaley and by Douglas Earl Whaley, shall be sloped to a minimum of 3:1 (three horizontal to one vertical).

Final Rehabilitation

- Generally final slopes will be graded to 2:1 (two horizontal to one vertical), to maximize final floor space.
- To enhance rehabilitation and future land uses; any silty clay fill from the site may be used to facilitate pit rehabilitation.
- All final slopes will be established by backfilling excavated faces and grading to stable slopes.
- All final slopes above water shall have a minimum of 0.2M (20cm) of topsoil spread on them and seeded with a grass/legume seed mixture such as 15% annual rye, 20% crown vetch, 20% alfalfa, 15% white clover, 15% perennial, and 15% tall ryegrass to adequately vegetate the site. As an alternative, a seed mixture such as the Ministry of Transportation (MTO) Standard Roadside slope groundcover mix may be used.
- The rate of seed application shall be a minimum of 100kg/hectare.
- Vegetation will be established as soon as possible after final grading.
- Should erosion occur, disturbed areas will be re-graded and re-seeded with the grass/legume seed mixture outlined in #4 above.
- The total area to be rehabilitated including the lake is 15.67 ± hectares.
- All drainage on site will be directed towards the lake to be created on site, and the final elevation of the water table is expected to be at approximately 199.5 ± metres ASL.
- The lake on this site will be part of a larger lake incorporating other licenced sites.
- Berms in the setbacks will be removed as part of the final rehabilitation.
- The anticipated final land use for this site is private recreation, aquaculture, or subject to municipal approval, estate residential.
- All perimeter fencing and the internal road or driveway will remain until the licence is surrendered and accepted by MNR.
- To encourage fish habitat, water fowl and wildlife habitat, native plant species may be transplanted from existing ponds on other sites to the edge of the proposed lake. As well, should additional clean inert fill be available, it will be used to create undulating, shorelines with varied slopes (shallow areas) which will increase its usefulness for habitat.

LICENCEE:

LOCATION



LEGEND

DECIDUOUS TREE		BENCH MARK	BM
CONIFEROUS TREE		UTILITY POLE	UP
PROPERTY LINES		DWELLING (HOUSE)	H
BOUNDARY OF LICENCED AREA		GARAGE	G
OVERHEAD HYDRO		BARN	B
MUNICIPAL WATER LINE		SHED	S
CONTOUR LINES (ABOVE WATER)		GREENHOUSE	GH
CONTOUR LINES (BELOW WATER)		FARM RELATED ENTRANCE / EXIT	
SPOT ELEVATION		WATER WELL	
FIRE HYDRANT		MONITORING WELL	
		CROSS-SECTIONS	
		1.2M FENCE	

SITE PLAN AMENDMENTS

NO.	DATE	REVISION

PROGRESSIVE REHABILITATION & FINAL REHABILITATION

DRAWING NUMBER 3 OF 4

CLARKE SURVEYORS INCORPORATED
 Ontario Land Surveyors
 Consulting Surveyors
 2535 Lesperance Road
 Tecumseh, Ontario
 N2N 2X1
 Ph: (519) 258-4166
 Fax: (519) 735-2155
 Toll Free 1-888-735-4166
 Established 1970

MACKAY MACKAY & PETERS
 L.L.M.I.T.E.D.
 Established 1908
 BURLINGTON AND HAMILTON ONTARIO

ASSOCIATE COMPANY

DRAWN BY: **KB/SJP**
 CHECKED BY: **RAC/KRB**
 JOB NO: **33925-13**
 FILE: **L-GOS.S-5-23**
 PLAN FILE: **ES&G**

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