



ALL MEASURES RECOMMENDED BY DFO PER THEIR 11 DECEMBER 2023 LETTER OF

ADVICE WILL BE IMPLEMENTED AS PART OF REALIGNING MEDWAY CREEK.

DATE

GENERAL NOTES

 REHABILITATION SHALL PROCEED IN EACH AREA UPON COMPLETION OF EXTRACTION OPERATIONS AS OUTLINED ON PAGE

GRADING/SLOPES THE FINAL GRADING ELEVATIONS SHALL BE IN GENERAL CONFORMANCE WITH THE ELEVATIONS SHOWN ON THE PLAN.

ALL SIDE SLOPES SHALL BE GRADED TO A MINIMUM OF 3:1 ABOVE WATER TABLE, ESTABLISHED BY BACKFILLING AND 2:1 BELOW WATER LEVEL, ESTABLISHED BY EXTRACTION.

EXTRACTION SLOPES SHALL BE 2:1 UNLESS OTHERWISE NOTED.

A MINIMUM DEPTH OF 850mm OF SUBSOIL AND OR OVERBURDEN SHALL BE SPREAD UNIFORMLY OVER EACH REHABILITATED AREA.

SOIL MANAGEMENT WHERE COMPACTION OF THE PIT FLOOR HAS OCCURRED, DEEP RIPPING (SUB-SOILING) WILL BE REQUIRED PRIOR TO REAPPLICATION

UPON COMPLETION OF REPLACING TOPSOIL IN EACH AREA, THE TOPSOIL SHALL BE CULTIVATED, FERTILIZED AND SEEDED WITH A GRASS/LEGUME MIXTURE CONTAINING ALFALFA, BIRDS-FOOT TREFOIL

ZONING AND FINAL LAND USE

THE ZONING OF THE EXISTING SITE ALLOWS AREAS II AND IV TO BE USED FOR AGRICULTURE UPON COMPLETION OF REHABILITATION.

AREAS I AND III SHALL BE REZONED TO ALLOW USE OF THE REMAINING POND IN THIS AREA AS A FISH HATCHERY. THE POND MAY ALSO BE USED FOR RECREATIONAL AND IRRIGATION PURPOSES.

REHABILITATION AREAS REHABILITATION SHALL BE IN GENERAL CONFORMANCE TO WHAT IS SHOWN ON PAGE 3 OF 4.

THE AREA TO BE REHABILITED IS +/- 28.7 ha AND THE TOTAL LENGTH OF OPERATION IS ESTIMATED TO BE 19-20 YEARS (DEPENDENT ON ECONOMIC CONDITIONS).

FARMING OPERATIONS SHALL CONTINUE IN THOSE AREAS NOT UNDER EXTRACTION OPERATIONS AND IN AREAS REHABILITATED.

TEMPORARILY STOCKPILED SEPEARTELY FOR REHABILITATION USE. OR CONSTRUCTION OF BERMS. DRAINAGE

DIRECTED TO THE POND OR THROUGH THE PIT FLOOR.

THE WEST SIDE OF THE SITE DRAINS TOWARD THE POND AND AWAY FROM MEDWAY CREEK.

PETROLEUM STORAGE ALL PETROLEUM STORAGE SHALL BE IN ABOVE GROUND CONTAINERS THAT MEET THE REQUIREEMENTS OF THE TECHNICAL STANDARDS AND SAFETY ACT. ANY SPILLS SHALL BE REMOVED AND DISPOSED OF AT A FACILITY APPROVED BY THE MECP. SEE THE SPILLS PLAN ON THIS PAGE. MOBIE FUEL TANKS SHALL BE THE NEW GENERATION ENGINEERED DOUBLE-TANKED VARIETY WITH VACUUM SEALED VALVES.

8. NOISE AND DUST AND GROUNDWATER INTERFERENCE DUST CONTROL SHALL BE APPLIED AS REQUIRED. AT EACH ENTRANCE/EXIT AND HAUL ROAD (CALCIUM CHLORIDE OR BRINE SOLUTION).

IF NOISE, DUST AND/OR GROUNDWATER INTERFERENCE COMPLAINTS ARE RECEIVED FROM THE SURROUNDING RESIDENCES, THE LICENSEE SHALL TAKE APPROPRIATE MEASURES AS DEEMED NECESSARY BY THE MECP TO RECTIFY THE PROBLEMS.

PUMPING AND DEWATERING

NO PUMPING AND DEWATERING SHALL TAKE PLACE ON THIS SITE.

 HYDROGEOLOGICAL ASSESSMENT NOVATERRA ENVIRONEMENTAL LTD., DATED APRIL 2024.

11. TOPSOIL/SUBSOIL/OVERBURDENSTORAGE AND BERMS ALL TOPSOIL, SUBSOIL, AND OVERBURDEN SHALL BE SEPARATELY STRIPPED AND USED EITHER FOR BERM CONSTRUCTION IN THE SETBACK AREAS OR STOCKPILED FOR PROGRESSIVE REHABILITATION ALL TOPSOIL, SUBSOIL, AND OVERBURDEN STOCKPILES SHALL BE A MAXIMUM 6m IN HEIGHT, GRADED TO STABLE SLOPES, AND SEEDED TO PREVENT EROSION. ALL TOPSOIL AND SUBSOIL STRIPPED IN THE OPERATION OF THE SITE SHALL BE USED IN THE REHABILITATION OF THE PROPERTY.SEE 'TYPICAL BERM DETAIL' THIS PAGE.

12. AGGREGATE STOCKPILES AND PROCESSING EQUIPMENT NO AGGREGATE STOCKPILERS OR PROCESSING EQUIPMENT SHALL BE LOCATED WITHIN 30m OF ANY LICENCE BOUNDARY. AGGREGATE STOCKPILES SHALL FOLLOW THE ACTIVE PIT FACE AND BE A MAXIMUM

PORTABLE DRY SCRTEENING EQUIPMENT WILL BE USED ON THIS SITE. EXCAVATION ABOVE THE WATER TABLE WILL BE WITH A LOADER. TANDEM AND SINGLE AXLE TRUCKS WILL TRANSPORT MATERIAL OFF SITE. DREDGING WILL BE WITH A BACKHOE OR DRAGLINE.

MAINTENANCE OF VEGETATION VEGETATION SHALL BE MAINTAINED ON ALL REHABILITYATED AREAS. BERMS, TOPSOIL AND SUBSOIL PILES. ANY VEGETATION THAT DIES OR IS OTHERWISE DAMAGED SHALL BE REPLACED IN ORDER TO PREVENT

SCRAP STORAGE ALL SCRAP ON THE SITE SHALL BE COLLECTED AND STORED IN THE DESIGNATED AREA SHOWN, LOCATED A MINIMUM OF 30m FROM ANY LICENSED BOUNDARY. ALL SCRAP SHALL BE REMOVED FROM THE SITE

15. IMPORTATION OF MATERIALS FOR RECYCLING AND REHABILITATION THERE MAY BE RECYCLING OF MATERIAL (ASPHALT AND CONCRETE) ON THIS SITE. MATERIAL IMPORTED FOR RECYCLING WILL BE STORED IN SEGREGATED STOCKPILES IN AREA 4. RECYCLABLE ASPHALT MATERIALS WILL NOT BE STOCKPILED WITHIN 30M OF ANY WATERBODY OR MAN-MADE POND; OR 2M OF THE SURFACE OF THE ESTABLISHED WATER TABLE. ANY REBAR AND OTHER STRUCTURAL METAL MUST BE REMOVED FROM THE RECYCLED MATERIAL DURING PROCESSING AND PLACED IN A DESIGNATED SCRAP PILE ON SITE WHICH WILL BE REMOVED ON AN ON-GOING BASIS. REMOVAL OF RECYCLED AGGREGATE IS TO BE ONGOING. ONCE THE AGGREGATE ON SITE HAS BEEN DEPLETED THERE WILL BE NO FURTHER IMPORTATION OF RECYCLABLE MATERIALS PERMITTED. ONCE FINAL REHABILITATION HAS BEEN COMPLETED AND APPROVED IN ACCORDANCE WITH THE SITE PLAN, ALL RECYCLING OPERATIONS MUST CEASE.

STUMPS AND BRUSH MAY BE IMPORTED FOR USE IN REHABILITATION AS

OPERATIONS McCann Redimix Inc.

R.R. 3 Dashwood, Ontario

16. FENCING 1.2m PAGE WIRE FENING SHALL BE MAINATAINED ALONG ALL LICENCE BOUNDARIES. EXCEPT THE EAST PORTION OF THE SOUTH BOUNDARY. PRIOR TO COMMENCING EXTRACTION IN AREA IV, 1.2m PAGE WIRE FENCING SHALL BEINSTALLED ON THE SOUTH PART OF THE EAST BOUNDARY. THE EAST BOUNDARY FENCE MAY BE LOCATED INSIDE THE ACTUAL BOUNDARY.

1.2m FARM GATES SHALL BE MAINTAINED AT ALL ENTRANCE/EXITS NOTED ON THE PLAN. ALL GATES SHALL BE KEPT LOCKED WHEN THE PIT IS NOT IN OPERATION. PRIOR TO COMMENCING THE REALIGNMENT OF MEDWAY CREEK, A FARM GATE SHALL BE INSTALLED ALONG THE EAST BOUNDARY, AS SHOWN.

18. MAXIMUM DEPTH OF EXTRACTION MAXIMUM DEPTH OF EXTRACTION ON THE PROPERTY SHALL BE TO AN ELEVATION OF 282m A.S.L. OR 6m BELOW WATER. EXTRACTION ON THE PROPERTY SHALL TAKE PLACE IN TWO LIFTS WITH A FACE HEIGHT OF UP TO 3m ABOVE WATER AND 6m BELOW WATER.

SETBACKS

30m ALONG THE EAST BOUNDARY OF MEDWAY CREEK, 15m ALONG THE WEST, SOUTH AND NORTH BOUNDARIES.

20. ENVIRONMENTAL PROTECTION AREA (30m SETBACK) AND UTRCA REG. FILL LINES NO STRIPPING, EXTRACTION, DITCHING, OR STOCKPILING OF AGGREGATE SHALL BE PERMITTED WITHIN THE 30m SETBACK ADJACENT MEDWAY CREEK, PRIOR TO COMMENCING EXTRACTION IN EACH AREA, THE 30m SETBACK SHALL BE DELINEATED WITH HIGHLY VISIBLE 1.2m MARKER POSTS SPACED A MAXIMUM OF 60m APART.

21. ENTRANCES AND EXITS TWO ENTRANCES SHALL BE LOCATED ALONG THE NORTH BOUNDARY OF

THE SITE. ONLY THE WEST ENTRANCE SHALL BE USED TO TRANSPORT MATERIAL.

TWO ENTRANCES SHALL BE LOCATED ALONG THE EAST BOUNDARY OF THE SITE, ONE EXTENSIVELY TO ACCESS THE TOWER, AND THE OTHER FOR THE REALIGNMENT OF MEDWAY CREEK CONSTRUCTION. ALL ENTRANCE/EXITS SHALL BE APPROVED BY THE MUNICIPALITY OF MIDDLESEX CENTRE.

CELLULAR TOWER A CELLULAR TOWER AND ASSOCIATED ANCHORING TO BE INSTALLED IN THE SOUTHEAST CORNER OF THE SITE. A GRANULAR ACCESS ROAD SHALL BE CONSTRUCTED FROM ADELAIDE STREET TO PROVIDE ACCESS FOR MAINTENANCE VEHICLES. THE EAST LIMIT OF THE CELLULAR TOWER LEASED LANDS IS TO BE FENCED AS NOTED. 1.2m HIGHLY CEDAR POSTS SHALL BE INSTALLED AT THE CORNERS OF THE LEASED LAND TO DELINEATE

SEQUENCE OF OPERATIONS

AREA IB PRIOR TO COMPLETEING EXTRACTION OF AREA IA, STRIP AREA IB AND USE TOPSOIL AND OVERBURDEN TO COMPLETE CONSTRUCTION OF BERM ALONG NORTH BOUNDARY

SURPLUS TOPSOIL AND OVERBUDEN TO BE STOCKPILED IN AREA IB FOR FUTURE REHABILITATION OR PROGRESSIVE REHABILITATION IN AREA IA CONTINUE EXTRACTION IN DIRECTION SHOWN TO ELEVEATION 288.30m A.S.L.OR 0 .3m ABOVE WATER. AS EXTRACTION APPROACHES THE NORTH, WEST AND EAST LIMITS

EXTRACTION, INITITIATE PROGRESSIVE REHABILITATION OF THE SIDE SLOPES USING STOCKPILED TOPSOIL AND OVERBURDEN. PRIOR TO COMPLETION OF EXTRACTION ABOVE WATER IN AREA IB, EXTRACTION BELOW WATER IN DIRECTION SHOWN TO ELEVATION 282m A.S.L. OR 6m BELOW WATER.

AS EXTRACTION APPROACHES THE NORTH AND WEST LIMITS EXTRACTION, INITITIATE PROGRESSIVE REHABILITATION OF THE SIDE SLOPES USING STOCKPILED TOPSOIL AND OVERBURDEN. COMPLETE REHABILITATION OF AREA IB USING TOPSOIL AND

OVERBURDEN CONTAINED WITHIN BERM LOCATED ALONG WEST BOUNDARY

NOTE 1 REMOVED STRIP AREA II AND STOCKPILE TOPSOIL AND OVERBURDEN IN THE WEST SETBACK FOR FUTURE PROGRESSIVE REHABILITATION. INITIATE EXTRACTION IN DIRECTION SHOWN TO ELEVEATION 288.30m A.S.L. OR 0.3m ABOVE WATER.

BEHIND ABOVE WATER EXTRACTION AS ABOVE WATER EXTRACTION PROCEEDS IN DIRECTION SHOWN. PRIOR TO USING CLAY MATERIALS FROM LANDS WEST OF AREAS I AND

4. BELOW WATER EXTRACTION TO ELEVATION 282m A.S.L.SHALL FOLLOW

II, THE CLAY BACKFILL AREA SHALL BE STRIPPED AND THE TOPSOIL AND OVERBURDEN STOCKPILED SEPARETLY FOR FUTURE PROGRESSIVE REHABILITATION

AS BELOW WATER EXTRACTION APPROACHES THE EAST AND WEST LIMITS OF EXTRACTION, INITIATE PROGRESSIVE BACKFILLING OF POND USING MATERIAL FROM CLAY BACKFILL AREA. BACKFILL SHALL BE GRADED IN ACCORDANCE WITH ELEVATIONS

SHOWN ON PAFE 3 OF 4. SURFACE DRAINAGE SHALL BE TOWARD THE POND. USE REMAINING TOPSOIL AND OVERBURDEN FROM STOCKPILE ON WEST SETBACK TO COMPLETE REHABILITATION OF AREA II. 9. AFTER PLACING FILL AND SUBSOIL, PLACE A MINIMUM OF 150mm OF

TOPSOIL. THE AREA SHALL THEN BE SEEDED IN ACCORDANCE WITH NOTES ON PAGE 3 OF 4.

 STRIP AREA III AND STOCKPILE TOPSOIL AND OVERBURDEN SEPARETLY OPN THE OR SOUTH SETBACK FOR FUTURE PROGRESSIVE REHABILITATION. INITIATE EXTRACTION IN DIRECTION SHOWN TO ELEVATION 288.30m

BELOW WATER EXTRACTION TO ELEVATION 282m A.S.L. SHALL FOLLOW BEHIND ABOVE WATER EXTRACTION IN DIRECTION SHOWN. AS BELOW WATER EXTRACTION APPORACHES EAST, WEST, AND SOUTH LIMITS OF EXTRACTION, INITITATE PROGRESSIVE BACKFILLING OF

POND USING MATERIAL FROM CLAY BACKFILL AREA BACKFILL SHALL BE GRADED IN ACCORDANCE WITH ELEVATIONS SHOWN ON PAGE 3 OF 4. SURFACE DRAINAGE SHALL BE TOWARD THE POND. COMPLETE REHABILITATION OF AREA III USING STOCKPILED TOPSOIL

AT THE NARROW CHANNEL, BACKFILL TO CREATE ACCESS TO AREA IV. AND OVERBURDEN AND CLAY MATERIAL FROM THE RIDGE ALONG THE SIDE II THE AREA II TO BACKFILL TO A MINIMUM OF 1m ABOVE THE WATER TABLE IN

 AFTER PLACING FILL AND SUBSOIL, PLACE A MINIMUM OF 150mm TOPSOIL. THE AREA SHALL THEN BE SEEDED IN ACCORDANCE WITH NOTE #3 ON SHEET PAGE 3 OF 4.

OPERATIONAL PLAN STANLEY PIT NORTH HALF LOT, 13, CONCESSION 14 MUNICIPALITY OF MIDDLESEX CENTRE

(FORMERLY TOWNSHIP OF LONDON),

COUNTY OF MIDDLESEX

DEAN FILE NO.

PROJECT NO.



