

NOTES :

APPLICANT:
JT EXCAVATING LTD.
BOX 665
615 ASPEN STREET
DURHAM, ON
N0G 1R0

APPLICANT'S SIGNATURE

DATE


BENCHMARK 1 ELEV. - 297.76m
TOP OF CASING FOR MONITORING WELL MW-4, LOCATED AT THE SOUTH EAST CORNER OF THE SITE.

BENCHMARK 2 ELEV. - 291.61m
TOP OF CASING FOR MONITORING WELL MW-1, LOCATED AT THE NORTH WEST CORNER OF THE SITE.

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.

1	25/02/25	REVISED PER PLANNING COMMENTS	MDN
NO.	DATE	REVISION DESCRIPTION	CHKD



GUELPH | OWEN SOUND | LISTOWEL | KITCHENER | LONDON | HAMILTON | GTA
1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2J3
TEL: 519-376-1885
www.gripblueplan.ca

JT EXCAVATING LTD.

PROPOSED AGGREGATE PIT

LOT 22, CONCESSION 5

GEOGRAPHIC TOWNSHIP OF BENTINCK

MUNICIPALITY OF WEST GREY

COUNTY OF GREY

DRAWN BY : E.J.T.	APPROVED BY : C.S.	PROJECT NO. : 220135	DRAWING NO. : 1
DESIGNED BY : E.J.T.	DATE : NOV 29, 2023	SCALE : 1:2,000	

- NOTES:
- THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS "A" LICENCE FOR A PIT ABOVE THE GROUNDWATER TABLE.
 - TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED ON MARCH 22, 2021.
 - PROPERTY BOUNDARIES ARE DERIVED FROM GREY COUNTY GIS MAPPING.
 - AREA TO BE LICENCED: 26.97 ha
 - THE "HIGH" GROUNDWATER ELEVATION DESCENDS FROM 292.0 masl IN THE NORTHEASTERN PORTION TO 289.0 masl IN THE SOUTH-WESTERN PORTION OF THE PROPOSED EXTRACTION AREA, AS RECORDED APRIL, 2023.
 - THERE ARE NO CURRENT BERMS, STOCKPILES OF TOPSOIL, AGGREGATE OR SCRAP MATERIALS ON THE SITE.
 - NO FUEL STORAGE IS CURRENTLY PRESENT ON THE SITE.
 - THERE ARE NO EXISTING OPEN EXCAVATIONS OR REHABILITATED AREAS ON THE SITE.
- REFERENCES:
- GREY COUNTY MAPPING (geo.grey.ca)
 - GREY COUNTY OFFICIAL PLAN
 - SAUGUEN VALLEY CONSERVATION AUTHORITY (SVCA) MAPPING
 - MUNICIPALITY OF WEST GREY ZONING BY-LAW NUMBER 37-2006

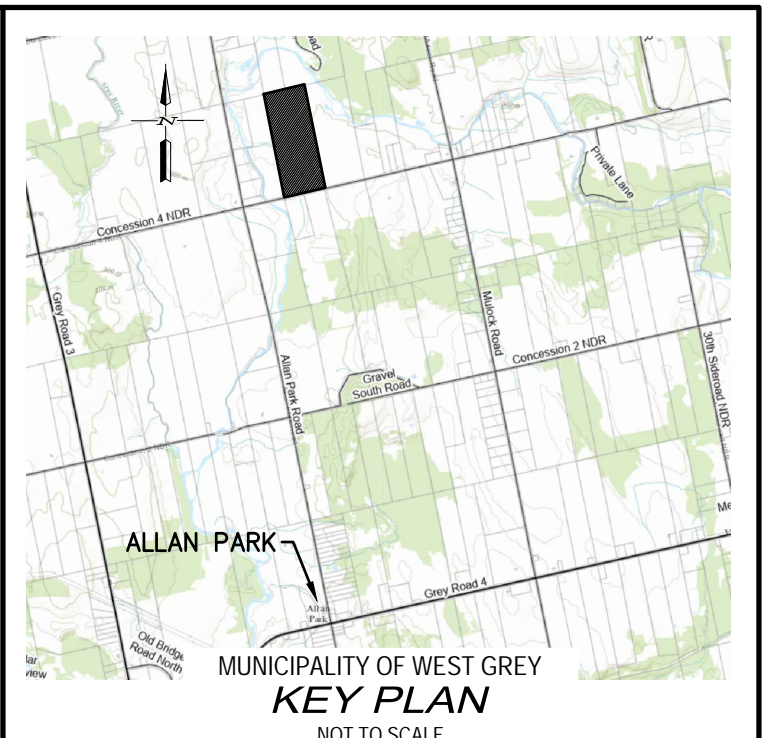
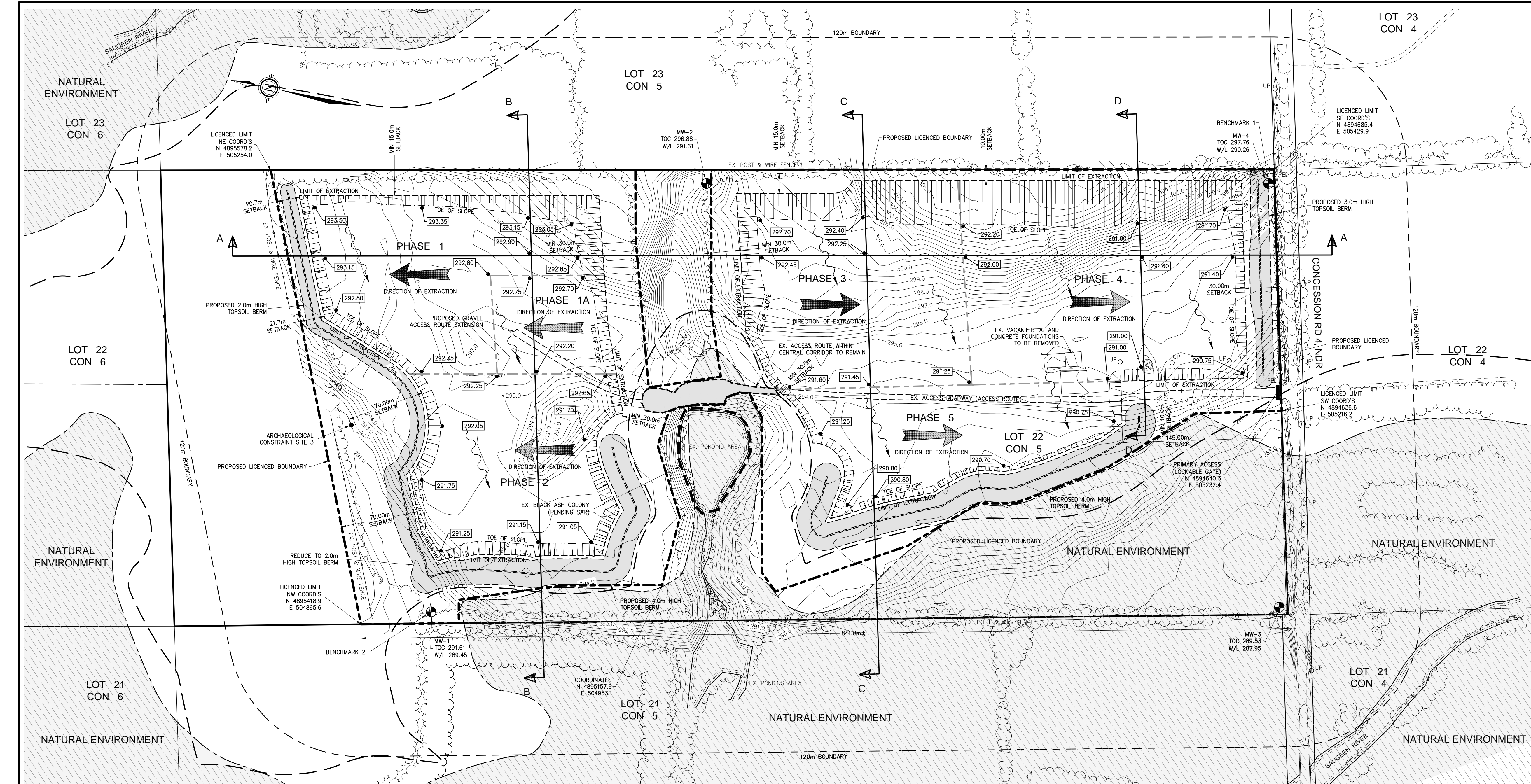
LEGEND

	EXISTING DITCH / WATERCOURSE
	EXISTING FENCELINE
	EXISTING GROUND CONTOUR
	EXISTING TREELINE
	120m BOUNDARY LIMIT
	BOUNDARY OF AREA TO BE LICENCED
	ZONING BOUNDARY
	DIRECTION OF EXISTING SURFACE FLOW
	TESTHOLE LOCATION
	MONITORING WELL / PIEZOMETER LOCATION
	CURRENT ZONING
	CURRENT LAND USE
	PRIVATE SUPPLY WELL (APPROXIMATE LOCATION)
	SAUGUEN VALLEY CONSERVATION AUTHORITY REGULATED AREA (0.06/06 SCREENING AREA)
	PRIMARY ENTRANCE / EXIT FROM THE SITE

EXISTING FEATURES PLAN

0 25 50 100 200
SCALE 1:2,000

FILE C:\Users\jtd\Documents\220135\220135_01.dwg, E:\Projects\220135\220135_01.dwg, E:\Projects\220135\220135_01.dwg
LAST SAVED BY: jtd, 25/02/25 10:42:15 AM, PLOTTED BY: E.J.T., 25/02/25 11:24:39 AM



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BENCHMARK 1 ELEV. - 297.76m
TOP OF CASING FOR MONITORING WELL MW-4, LOCATED AT THE SOUTH EAST CORNER OF THE SITE.

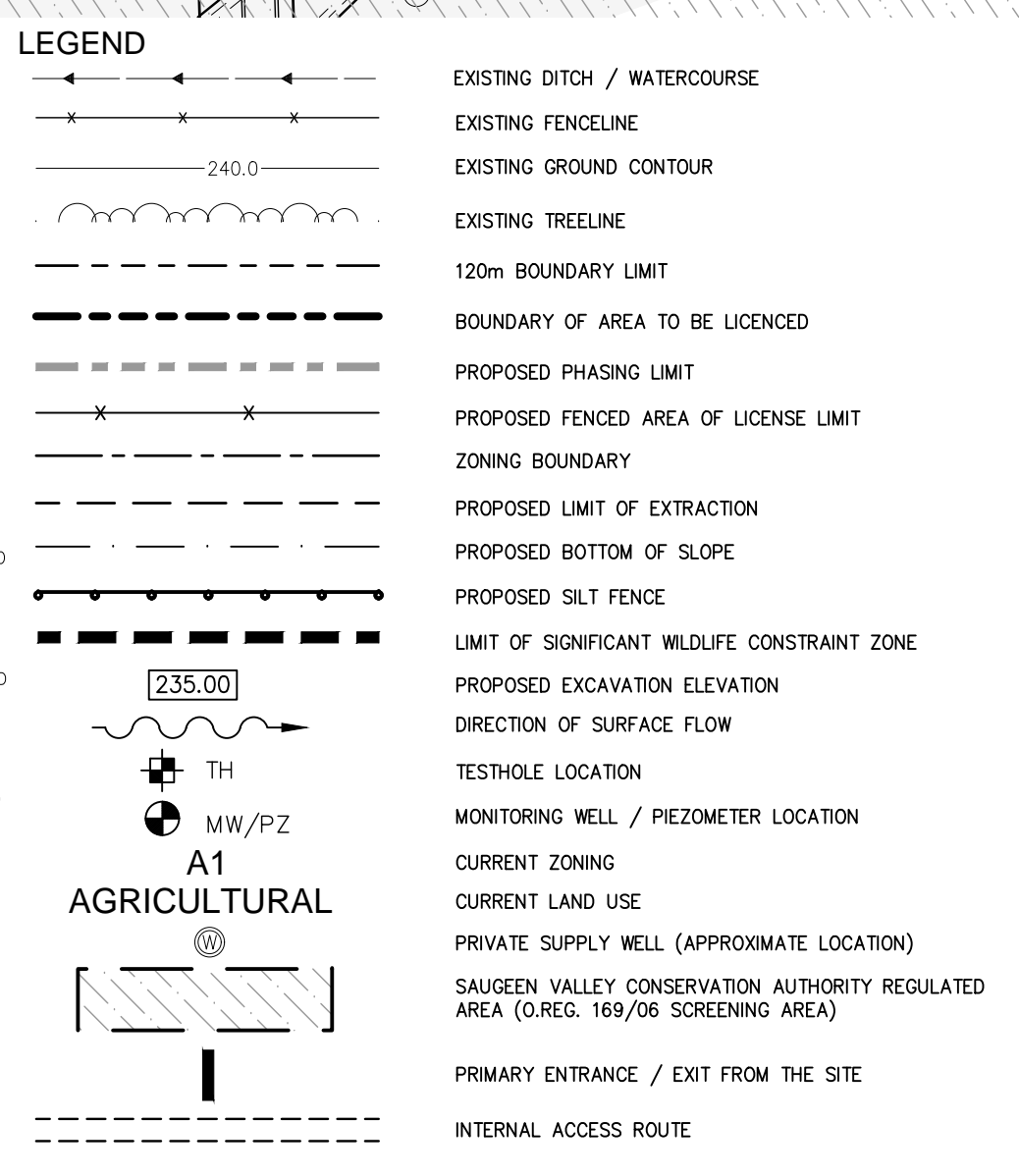
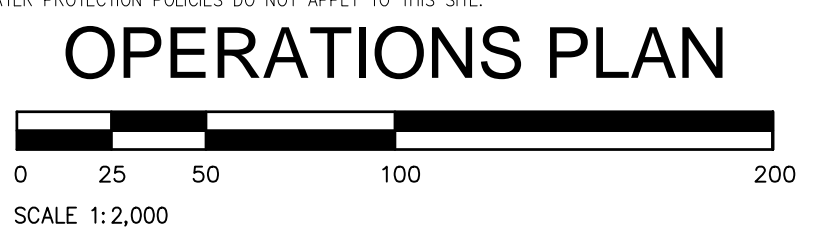
BENCHMARK 2 ELEV. - 291.61m
TOP OF CASING FOR MONITORING WELL MW-1, LOCATED AT THE NORTH WEST CORNER OF THE SITE.

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.

- NOTES:**
- THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A', CATEGORY 3 LICENCE.
 - TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED ON MARCH 22, 2021.
 - PROPERTY BOUNDARIES ARE APPROXIMATE, AND ARE DERIVED FROM GREY COUNTY GIS MAPPING.
 - AREA TO BE LICENCED: 26.97 ha
 - AREA OF EXTRACTION: 17.38 ha
 - THE "HIGH" GROUNDWATER ELEVATION DESCENDS FROM 292.0 m IN THE NORTH EASTERLY PORTION TO 289.0 m IN THE SOUTH WESTERLY PORTION OF THE PROPOSED EXTRACTION AREA, AS RECORDED APRIL, 2023.
 - NO WATER DIVERSION OR EXTRACTION BELOW THE WATER TABLE IS PROPOSED. THE MAXIMUM DEPTH OF EXTRACTION IS TO BE FROM 290.50 m TO 293.50 m (MINIMUM 1.5 m ABOVE THE "HIGH" GROUNDWATER ELEVATION).
 - SURFACE WATER DRAINAGE WILL BE BY PERCOLATION OR EVAPORATION.
 - POTENTIAL EQUIPMENT TO BE USED ON-SITE FOR DAILY OPERATIONS MAY INCLUDE: HYDRAULIC EXCAVATORS, HYDRAULIC HAMMER, DOZERS, LOADERS, SKID STEERS, GRADERS, CRUSHERS, SCREENERS, GENERATORS, AIR COMPRESSORS, AND TRUCKS. ALL EQUIPMENT USED ON-SITE WILL BE PORTABLE.
 - NO ON-SITE FUEL STORAGE IS EXPECTED TO BE PRESENT DURING OPERATIONS.
 - NO SCRAP MATERIALS OR REFUSE SHALL BE STORED ON-SITE.
 - NO ADDITIONAL TREE SCREENING IS PROPOSED.
 - POST & WIRE FENCE, AT LEAST 1.2 m IN HEIGHT, COMPLETE, WITH SIGNAGE SHALL BE ERECTED AROUND THE PERIMETER OF THE LICENCED AREA/PROPERTY PRIOR TO THE COMMENCEMENT OF EXTRACTION.
 - SILT OPERATIONS SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY TO FRIDAY AND 9:00 AM TO 2:00 PM, SATURDAY WITH NO SUNDAY OPERATIONS.
 - ANY WOOD OF VALUE TAKEN DURING CLEARING OPERATIONS SHALL BE USED AS FIRE WOOD. OTHER WOOD AND STUMPS SHALL BE CHIPPED AND USED IN THE REHABILITATION OF THE SITE OR DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE MECP GUIDELINES.
 - TOPSOIL AND OVERBURDEN:
 - TOPSOIL MUST BE STRIPPED SEQUENTIALLY PRIOR TO PIT EXTRACTION.
 - ALL TREES WITHIN 5 METRES OF THE LIMITS OF EXTRACTION MUST BE REMOVED.
 - ALL TOPSOIL OR OVERBURDEN STRIPPED DURING OPERATIONS SHALL BE USED TO CREATE BERMS AS SHOWN ON THE PLAN. ANY REMAINING MATERIAL SHALL BE PLACED IN STOCKPILES ON-SITE WITH STABLE VEGETATED SIDE SLOPES FOR FUTURE SITE REHABILITATION.
 - TOPSOIL BERMS TO BE VEGETATED MANUALLY WITH PRAIRIE GRASS NATIVE SEED MIXTURE #6130 OR SIMILAR MIX. THE BERM SHOULD BE SEEDED AS THE BERM IS CONSTRUCTED IN ORDER TO PREVENT EROSION AND RUNOFF.
 - PHASING:
 - PHASE 1 / 1A
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN DOWN TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN THE PHASE 1 AREA. THE TOPSOIL / OVERBURDEN MATERIALS FROM PHASE 1 ARE TO BE USED IN THE CONSTRUCTION OF THE BERMS AT THE NORTH SIDE OF PHASES 1 AND 2 AND THE WEST SIDE OF PHASE 2, AS NOTED IN THE OPERATIONS PLAN. THESE BERMS ARE TO BE CONSTRUCTED PRIOR TO EXTRACTION OPERATIONS IN PHASES 1 AND 2.
 - INTERIM STORAGE OF THE EXTRACTED AGGREGATE WOULD OCCUR UNTIL THE EXTRACTION TO THE PIT FLOOR IS ESTABLISHED IN PHASE 1. ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 1 IS ESTABLISHED, FUTURE STOCKPILING OF THE PRODUCT WOULD REMAIN IN PHASE 1 AND THE FLOOR OF THE PIT IN THE ACTIVE AREA. THE AREA OF PHASE 1A WILL BE MAINTAINED AS A PROCESSING AND EQUIPMENT STORAGE AREA. EXTRACTED MATERIAL WOULD BE PROCESSED AND EQUIPMENT WOULD BE STORED IN THE PHASE 1A AREA TO MAXIMIZE THE DISTANCE FROM RESIDENTIAL DWELLINGS IN THE AREA AND CONCESSION 4.
 - EXCESS STOCKPILED SOIL NOT USED IN BERM CONSTRUCTION (IF ANY) WOULD BE UTILIZED FOR PROGRESSIVE REHABILITATION AS OPERATIONS PROCEED FROM PHASE 1 TO PHASE 2.
 - PHASE 2
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN DOWN TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN THE PHASE 2

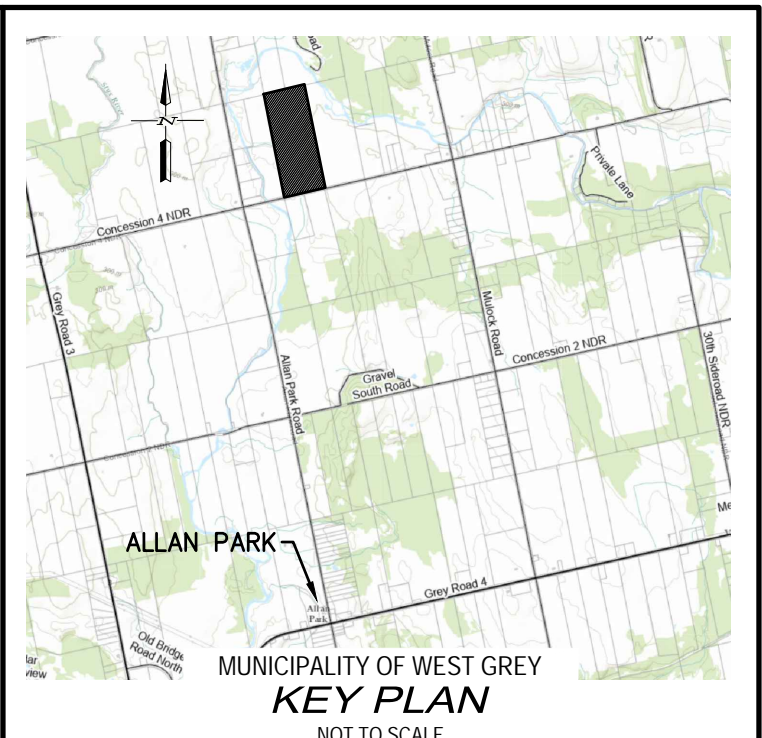
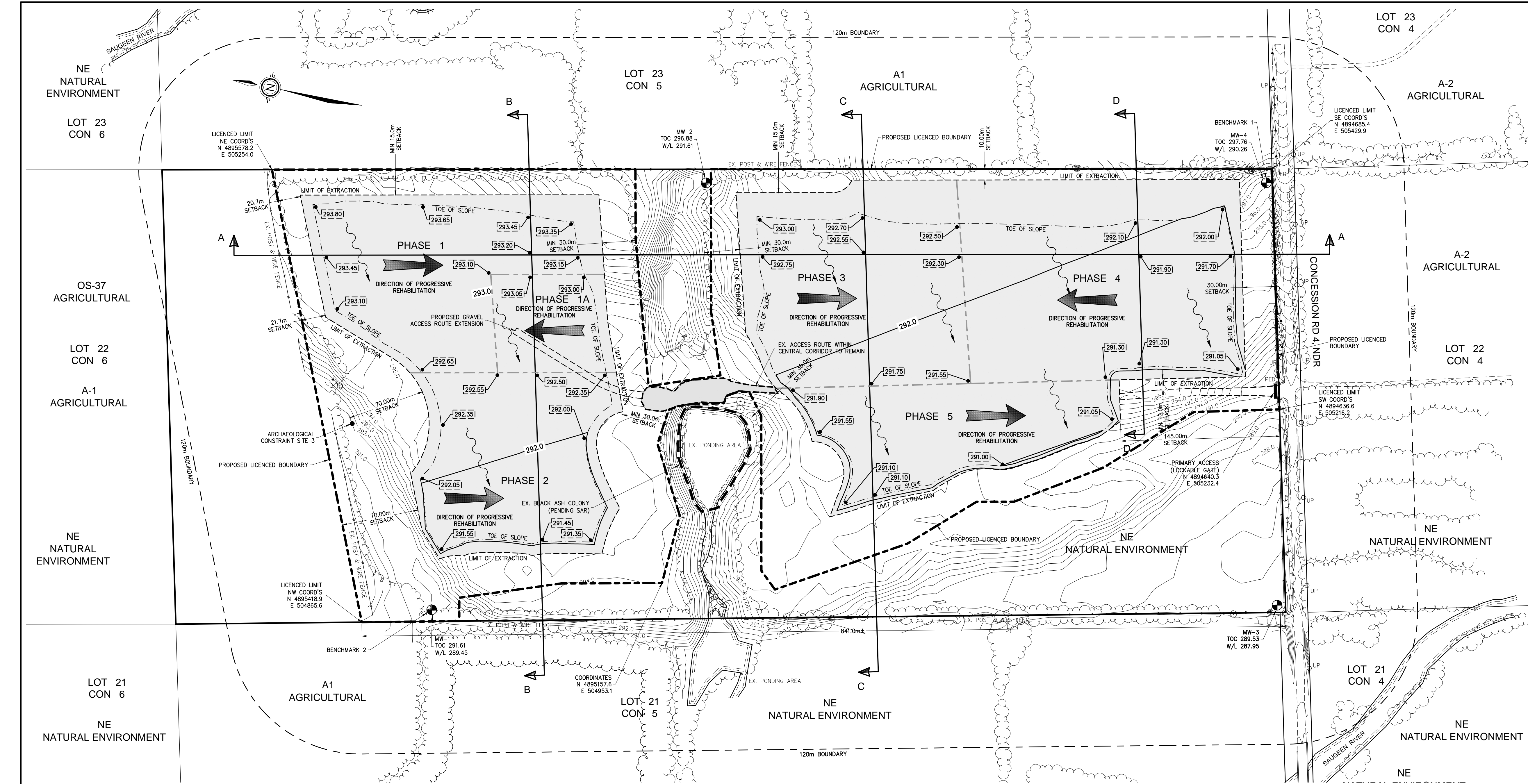
- AREA. THE TOPSOIL / OVERBURDEN MATERIALS FROM PHASE 2 ARE TO BE USED IN THE CONSTRUCTION OF THE BERMS AT THE SOUTHWESTERN AND SOUTHERN PROPERTY BOUNDARY, AS REQUIRED, AND / OR FOR THE REHABILITATION OF PHASE 1, AS NEEDED, WITH EXCESS SOIL PLACED AT THE SOUTH OF PHASE 1.
- PHASE 1 REHABILITATION IS TO OCCUR.
 - INITIAL STOCKPILING OF TOPSOIL / OVERBURDEN AND MATERIALS WOULD OCCUR IN THE LAST STAGES OF THE PHASE 1 AREA. ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 2 IS ESTABLISHED, FUTURE STOCKPILING OF THE PRODUCT WOULD REMAIN IN PHASE 2 AND THE FLOOR OF THE PIT IN THE ACTIVE AREA, WITH THE FINAL PORTION OF PHASE 1 SUBSEQUENTLY REHABILITATED.
 - PHASE 1A SHALL BE MAINTAINED AS AN EQUIPMENT STORAGE, PROCESSING, AND / OR AGGREGATE STOCKPILING ARE FOR THE DURATION OF ON-SITE OPERATIONS. THE NORTHERLY AND NORTHWESTERLY BERMS ARE TO REMAIN IN PLACE DURING OPERATIONS.
 - STOCKPILED SOILS WOULD BE UTILIZED FOR PROGRESSIVE REHABILITATION, THEN FOR BERM CONSTRUCTION ON THE SOUTHERN PORTION OF THE SITE AS OPERATIONS PROCEED FROM PHASE 2 TO PHASE 3.
- PHASE 3
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN DOWN TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN THE PHASE 3 AREA. THE TOPSOIL / OVERBURDEN MATERIALS FROM PHASE 3 ARE TO BE USED IN THE CONSTRUCTION OF THE BERMS WEST OF PHASES 3 TO 5 AND EAST OF PHASE 4, ADJACENT TO CONCESSION ROAD 4. THESE BERMS ARE REQUIRED TO BE IN PLACE PRIOR TO THE EXTRACTION OF AGGREGATE IN PHASES 3 TO 5.
 - EXCESS SOIL SHALL BE PLACED AT THE NORTH END OF PHASE 3 AND USED FOR THE REHABILITATION OF PHASE 1 OR PHASE 2 AREAS, AS NEEDED.
 - THE STOCKPILING OF TOPSOIL / OVERBURDEN AND AGGREGATE MATERIALS WOULD OCCUR IN THE NORTHERN PORTION OF THE PHASE 3 AREA, PROXIMAL TO THE WORKING FACE, OR IN THE PHASE 1A AREA.
 - ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 3 IS ESTABLISHED, FUTURE STOCKPILING OF THE PRODUCT WOULD REMAIN IN PHASE 3 AND THE FLOOR OF THE PIT IN THE ACTIVE AREA, WITH THE FINAL PORTION OF PHASE 2 SUBSEQUENTLY REHABILITATED.
- PHASE 4
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN DOWN TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN THE PHASE 4 AREA. THE TOPSOIL / OVERBURDEN MATERIALS FROM PHASE 4 ARE TO BE PLACED AT THE NORTH END OF PHASE 4 AND USED FOR THE REHABILITATION OF PHASE 2 OR PHASE 3 AREAS, AS NEEDED.
 - THE STOCKPILING OF TOPSOIL / OVERBURDEN AND AGGREGATE MATERIALS WOULD OCCUR IN THE NORTHERN AND / OR EASTERN PORTIONS OF THE PHASE 4 AREA, PROXIMAL TO THE WORKING FACE, OR IN THE PHASE 1A AREA.
 - ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 4 IS ESTABLISHED, FUTURE STOCKPILING OF THE PRODUCT WOULD REMAIN IN PHASE 4 AND THE FLOOR OF THE PIT IN THE ACTIVE AREA, WITH THE FINAL PORTION OF PHASE 3 SUBSEQUENTLY REHABILITATED.
- PHASE 5
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN DOWN TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN THE PHASE 5 AREA. THE TOPSOIL / OVERBURDEN MATERIALS FROM PHASE 5 ARE TO BE PLACED AT THE NORTH END OF PHASE 5 AND USED FOR THE REHABILITATION OF PHASE 3 OR PHASE 4 AREAS, AS NEEDED.
 - THE STOCKPILING OF TOPSOIL / OVERBURDEN AND AGGREGATE MATERIALS WOULD OCCUR IN THE NORTHERN PORTION OF THE PHASE 5 AREA, PROXIMAL TO THE WORKING FACE, OR IN THE PHASE 1A AREA.
 - ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 5 IS ESTABLISHED, FUTURE STOCKPILING OF THE PRODUCT WOULD REMAIN IN PHASE 5 AND THE FLOOR OF THE PIT IN THE ACTIVE AREA, WITH THE FINAL PORTION OF PHASE 4 SUBSEQUENTLY REHABILITATED.
 - UPON COMPLETION OF PHASE 5, FINAL REHABILITATION OF PHASE 5 AND THE OVERALL SITE IS TO COMMENCE, WITH THE REHABILITATION OF PHASE 1A COMPLETED WHEN IT IS NO LONGER REQUIRED. SOILS USED IN THE CONSTRUCTION OF THE BERMS SHALL BE USED FOR THE FINAL REHABILITATION OF THE SITE. THE EXTENSION OF THE EXISTING ACCESS ROADWAY TO 5 IS TO BE REHABILITATED AND THE UNDERLYING SOIL RETURNED TO A NON-COMPACTED CONDITION TO FACILITATE FUTURE AGRICULTURAL USE.
- STOCKPILES WILL BE LOCATED IN THE ACTIVE PHASE PROXIMAL TO THE WORKING FACE, OR IN PHASE 1A (PROCESSING AREA) GREATER THAN 30 m FROM THE LICENCED BOUNDARY.
- REGARDLESS OF THE PHASING SEQUENCE, MULTIPLE PHASES MAY BE OPEN AT ONE TIME IN ORDER TO ACHIEVE EXTRACTION OF DIFFERING MATERIALS THAT MEET BLENDING REQUIREMENTS, SO LONG AS THE REQUIRED BERMS ARE IN PLACE PRIOR TO EXTRACTION IN THE ASSOCIATED AREAS. NO MORE THAN 5 ha SHALL REMAIN OPEN AT ANY ONE PHASE, EXCLUDING THE PHASE 1A AREA.
- THE INTERNAL HAUL ROUTE SHALL CONSIST OF THE EXISTING ACCESS ROADWAY WITH AN EXTENSION INTO THE PHASE 1A AREA.
- THE MAXIMUM TONNAGE TO BE EXTRACTION IN ANY YEAR IS 300,000 TONNES.
- PRIOR TO EXTRACTION WITHIN EACH PHASE, THE LIMIT OF EXTRACTION IS TO BE CLEARLY STAKED/DEMARKED. SETBACKS ARE TO BE CLEARLY STAKED AND VISIBLE AT ALL TIMES.

- DUST IS TO BE MITIGATED ON-SITE WHEN REQUIRED USING WATER OR A PROVINCIALY APPROVED DUST SUPPRESSANT.
- ON-SITE VACANT BUILDINGS ARE PROPOSED TO BE REMOVED PRIOR TO THE COMMENCEMENT OF EXTRACTION IN PHASE 4.
- SPILLS RESPONSE PLAN:
 - ALL EMPLOYEES AND CONTRACTORS HANDLING FUEL AND/OR OTHER POTENTIAL CONTAMINANTS WILL BE INSTRUCTED AS TO THE PROPER USE AND SAFE HANDLING OF THESE SUBSTANCES.
 - ALL SPILLS OR RELEASES OF CONTAMINANTS ARE TO BE REPORTED IMMEDIATELY TO THE MECP SPILLS ACTION CENTRE: 1-800-268-6060.
 - ALL SPILLS OR CONTAMINANT RELEASES ARE TO BE REMEDIATED TO MEET THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION ACT AND ASSOCIATED REGULATIONS.
 - IN CASE OF SPILL THE FOLLOWING ACTIONS ARE TO BE TAKEN:
 - CHECK FOR HAZARDOUS CONDITIONS - CALL 911 WHERE HAZARDOUS CONDITIONS EXIST.
 - CALL THE SUPERVISOR/OWNER AND REPORT THE SPILL.
 - WHERE SAFE TO DO SO, STOP THE SOURCE OF THE SPILL (THIS MAY INCLUDE UN-RIGHTING CONTAINERS, TURNING OFF PUMPS, CLOSING VALVES OR PLUGGING CONTAINERS).
 - THE SUPERVISOR/OWNER AND QUALIFIED PERSONNEL SHALL DEVELOP AND IMPLEMENT A REMEDIAL PLAN AND REQUIREMENTS OF THE MECP (AS APPLICABLE).
 - THE SPILLS RESPONSE PLAN IS TO BE POSTED ON-SITE AT ALL TIMES.
 - A SOIL CONTAMINANT AND CLEAN-UP KIT IS TO BE KEPT ON-SITE.
- HYDROGEOLOGICAL STUDY NOTES:
 - TO MAINTAIN SURFACE WATER FLOWS TO THE SAME LOW-LYING LOCATIONS, SLOPING OF THE RESTORED GRADES TO MAINTAIN SIMILAR CATCHMENT AREAS (PRE AND POST DEVELOPMENT) SHALL BE CONDUCTED.
- EXTRACTION IS TO BE COMPLETED IN ONE LIFT, EXCEPT WHERE EXCAVATION DEPTHS EXCEED 5.0 METRES. THESE AREAS ARE TO BE COMPLETED IN TWO LIFTS, ENSURING THE OPEN FACE IS ADEQUATELY SLOPED FOR SAFE OPERATIONS. FACE HEIGHTS ARE TO MEET MINISTRY OF LABOUR REGULATIONS.
- NO NEW BUILDINGS OR OTHER STRUCTURES ARE PROPOSED ON THE SITE AS PART OF AGGREGATE OPERATIONS. THE EXISTING VACANT AGRICULTURAL BUILDINGS SHALL BE REMOVED PRIOR TO COMMENCEMENT OF EXTRACTIONS.
- ONLY ONE ENTRANCE / EXIT SHALL BE PRESENT TO THE SITE, ON THE SOUTHERN SITE BOUNDARY ON CONCESSION ROAD 4. A GATE SHALL BE ERECTED AND MAINTAINED AT THE ENTRANCE / EXIT TO THE SITE. THE GATE IS TO BE KEPT CLOSED WHEN THE SITE IS NOT IN OPERATION.
- NO AGGREGATE RECYCLING WILL BE CONDUCTED ON THE SITE.
- NATURAL ENVIRONMENT TECHNICAL REPORT NOTES:
 - THE LIMIT OF EXTRACTION SHALL MAINTAIN A MINIMUM SEPARATION WIDTH TO IDENTIFIED NATURAL ENVIRONMENT FEATURES AS OUTLINED ON FIGURE 9 OF THE NEIR, WITH NO DISTURBANCES WITHIN THE NATURAL ENVIRONMENT SETBACKS OTHER THAN THAT FOR THE INTERNAL HAUL ROUTE CROSSING THE CENTRAL RAINE FEATURE.
 - 15m FROM THE WOOLAND EDGE OF THE CENTRAL RAINE AND WETLAND FEATURE BEING VEGETATION COMMUNITY NUMBERS 2, 3, 4, 5 AND 6.
 - 15m FROM THE SIGNIFICANT WOOLAND ALONG THE NORTH BOUNDARY AND NORTHEAST PROPERTY CORNER, BEING VEGETATION COMMUNITY NUMBERS 1 AND 2.
 - ANY ACCESS ROUTE UPGRADES OR WIDTH EXPANSIONS THAT MAY BE REQUIRED SHALL BE FOCUSED AWAY FROM THE WEST SIDE OF THE ROUTE, ADJACENT TO THE BLACK ASH COLONY AND WETLAND ENVIRONMENT.
 - THE DEPTH OF EXTRACTION SHALL DEMONSTRATE NO NEGATIVE HYDROGEOLOGICAL OR DRAW-DOWN INFLUENCES THAT COULD NEGATIVELY IMPACT THE WETLAND FEATURE OR ITS IDENTIFIED ECOLOGICAL FUNCTIONS OR THE HEADWATER AREA OF THE WATERCOURSE FEATURE.
- THIS SITE IS SITUATED IN THE SAUGEEN VALLEY SOURCE PROTECTION AREA. HOWEVER, THIS SITE IS NOT SITUATED IN A DESIGNATED DRINKING WATER SOURCE PROTECTION AREA. THEREFORE, SOURCE WATER PROTECTION PROVISIONS DO NOT APPLY TO THIS SITE.



VARIATIONS TO OPERATIONAL STANDARDS
NONE AT THIS TIME.

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GUELPH OWEN SOUND LISTOWEL HITCHENER LONDON HAMILTON GTA 1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2J3 TEL: 519-376-1885 www.greblueplan.ca			
JT EXCAVATING LTD.			
PROPOSED AGGREGATE PIT			
LOT 22, CONCESSION 5			
GEOGRAPHIC TOWNSHIP OF BENTINCK			
MUNICIPALITY OF WEST GREY			
COUNTY OF GREY			
DRAWN BY: E.J.T.	APPROVED BY: C.S.	PROJECT NO.: 220135	DRAWING NO.: 2
DESIGNED BY: E.J.T.	DATE: NOV 29, 2023	SCALE: 1:2,000	



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BENCHMARK 1 ELEV. - 297.76m

TOP OF CASING FOR MONITORING WELL MW-4, LOCATED AT THE SOUTH EAST CORNER OF THE SITE.

BENCHMARK 2 ELEV. - 291.61m

TOP OF CASING FOR MONITORING WELL MW-1, LOCATED AT THE NORTH WEST CORNER OF THE SITE.

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WWW.GTJEXCAVATING.COM

PROPOSED AGGREGATE PIT
LOT 22, CONCESSION 5

GEOGRAPHIC TOWNSHIP OF BENTINCK
MUNICIPALITY OF WEST GREY

COUNTY OF GREY

DRAWN BY: E.J.T.	APPROVED BY: C.S.	PROJECT NO.: 220135	DRAWING NO.: 3
DESIGNED BY: E.J.T.	DATE: NOV 29, 2023	SCALE: 1:2,000	

- NOTES:
- PROGRESSIVE REHABILITATION SHALL COMMENCE AS PHASE 1 NEARS COMPLETION.
 - TOPSOIL FROM PHASE 1 IS TO BE USED FOR THE CONSTRUCTION OF THE REQUIRED BERMS.
 - REHABILITATION OPERATIONS SHALL PROCEED AS SHOWN ON THE PLAN.
 - SLOPE REHABILITATION SHALL FOLLOW THE EXTRACTION OPERATIONS.
 - PHASE 1A AREA WILL BE USED FOR PROCESSING AND EQUIPMENT STORAGE.
 - FOLLOWING THE COMPLETION OF EACH PHASE OF AGGREGATE EXTRACTION, THE TOPSOIL FROM THE SUBSEQUENT PHASE IS TO BE USED TO REHABILITATE THE COMPLETED PHASE TO AGRICULTURAL USE WITH A MINIMUM TOPSOIL THICKNESS OF 0.3m.
 - DURING PROGRESSIVE REHABILITATION, THE REHABILITATED AREAS SHALL BE MANUALLY SEEDED AGRICULTURAL CROPS SUCH AS BEANS, WHEAT OR NATIVE GRASS MIX UNTIL FULL GROUND COVER HAS BEEN ACCOMPLISHED. NO INVASIVE SPECIES SHALL BE USED DURING SITE REHABILITATION.
 - NO MORE THAN 50% OF THE PREVIOUS PHASE SHALL REMAIN OPEN WHILE EXTRACTION PROCEEDS TO SUBSEQUENT PHASES.
 - ALL TOPSOIL AND OVERBURDEN PLACED IN BERMS AND STOCKPILES ON-SITE SHALL BE USED IN THE REHABILITATION OF THE FINAL PHASE (5) OF THE SITE.
 - EXCESS/UNUSED NATIVE SOILS AND/OR APPROVED IMPORTED FILL SHALL BE USED TO FILL AND GRADE SLOPES IN THE REHABILITATION OF THE SITE.
 - IMPORTATION OF OFF-SITE SOIL IS TO OCCUR ONLY AFTER AVAILABLE ON-SITE EXCESS SOIL HAS BEEN UTILIZED.
 - THE LICENSEE SHALL ENSURE THAT ALL MATERIAL IMPORTED TO THE SITE IS APPROPRIATELY TESTED AT THE SOURCE BY AN ACCREDITED LABORATORY BEFORE IT IS DEPOSITED ON-SITE TO ENSURE IT MEETS THE MCP CRITERIA LISTED UNDER TABLE 1 OF THE "SOIL, GROUNDWATER, AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT".
 - NOT WITHSTANDING NOTE 5, WHERE THE IMPORTED MATERIAL IS NOT BEING PLACED WITHIN 1.5m OF THE SURFACE, THE CRITERIA UNDER TABLE 1 FOR SODIUM ABSORPTION RATIO AND ELECTRICAL CONDUCTIVITY DO NOT HAVE TO BE MET.
 - EXCESS SOIL, AS DEFINED IN ONTARIO REGULATION 244/97 MAY BE IMPORTED TO THIS SITE TO FACILITATE THE FOLLOWING REHABILITATION:
 - CREATION OF 3:1 SLOPES (OR SLOPING RATIO OTHERWISE DESCRIBED ON THE FINAL REHABILITATION PAGE)
 - TOP DRESSING TO ESTABLISH VEGETATION
 - CONSTRUCTION OF BERMS
 - LIQUID SOIL, AS DESCRIBED IN ONTARIO REGULATION 406/19 UNDER THE ENVIRONMENTAL PROTECTION ACT, IS NOT AUTHORIZED FOR IMPORTATION TO THIS SITE.
 - THE QUALITY OF EXCESS SOIL IMPORTED TO THE SITE FOR FINAL PLACEMENT MUST BE EQUIVALENT TO OR MORE STRINGENT THAN THE APPLICABLE EXCESS SOIL QUALITY STANDARDS AS DETERMINED IN ACCORDANCE WITH ONTARIO REGULATION 244/97 AS AMENDED FROM TIME TO TIME AND MUST BE CONSISTENT WITH THE SITE CONDITIONS AND THE END USE IDENTIFIED IN THE APPROVED REHABILITATION PLAN.
 - WHERE A QUALIFIED PERSON IS RETAINED OR REQUIRED TO BE RETAINED IN ACCORDANCE WITH ONTARIO REGULATION 244/97, THE QUALITY, STORAGE, AND FINAL PLACEMENT OF EXCESS SOILS SHALL BE DONE ACCORDING TO THE ADVICE OF THE QUALIFIED PERSON.
 - EXCESS SOIL IMPORTED TO FACILITATE REHABILITATION AS DESCRIBED ON THIS SITE PLAN SHALL BE UNDERTAKEN IN ACCORDANCE WITH ONTARIO REGULATION 244/97 UNDER THE AGGREGATE RESOURCES ACT, AS AMENDED FROM TIME TO TIME.
 - THE CUMULATIVE TOTAL AMOUNT OF EXCESS SOIL THAT MAY BE IMPORTED TO THIS SITE FOR REHABILITATION PURPOSES IS 350,000 m³.
 - THE LICENSEE SHALL ENSURE THAT THE ACCEPTANCE AND REUSE OF EXCESS SOIL IMPORTED FOR REHABILITATION PURPOSES IS COMPLIANT WITH PART IV, RULES FOR SOIL MANAGEMENT OF THE RULES FOR SOIL MANAGEMENT AND EXCESS SOIL QUALITY STANDARDS PUBLISHED BY THE MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS, AS AMENDED FROM TIME TO TIME.
 - TRACKING AND RECORD KEEPING OF IMPORTED SOIL SHOULD BE CONDUCTED AS PER THE REQUIREMENTS OF ONTARIO REGULATION 406/19.
 - THE INITIAL PRE-DEVELOPMENT DEPTH OF TOPSOIL ACROSS THE LICENSED AREA WAS OBSERVED TO BE BETWEEN APPROXIMATELY 0.2m AND 0.5m. TOPSOIL STRIPPED DURING PIT OPERATIONS SHALL BE REPLACED ON THE PIT FLOOR AND SIDE SLOPES TO A MINIMUM OF 0.3m, AND VEGETATED WITH AGRICULTURAL CROPS SUCH AS WHEAT OR BEANS. ADDITIONAL SEEDING IS TO OCCUR ON A REGULAR BASIS UNTIL SUFFICIENT VEGETATIVE COVER IS ACHIEVED (I.E. FULL GROUND COVER TO REDUCE THE POTENTIAL FOR EROSION OR SEDIMENTATION).
 - THE SIDE SLOPES MAY BE FURTHER BLENDED OR GRADED TO FACILITATE AGRICULTURAL ACTIVITIES AS REQUIRED.
 - SURFACE WATER DRAINAGE WILL BE BY PERCOLATION OR EVAPORATION.
 - THE SITE SHALL BE RESTORED TO AGRICULTURAL LAND USE WITH THE EQUIVALENT SOIL QUALITY AS PRE-EXTRACTION (I.E. CLASS 3 SOIL) WITH THE CAPABILITY TO GROW CROPS.
 - ANY NON-ACTIVE AREAS OF THE PIT (EITHER PRE OR POST-EXTRACTION) SHALL CONTINUE TO BE OPERATED AS AGRICULTURAL CROP FIELDS. THE ENTIRETY OF THE EXTRACTION AREA OF THE SITE SHALL ULTIMATELY BE RETURNED TO AGRICULTURAL USE FOLLOWING REHABILITATION.
 - INTERNAL HAUL ROADS AND PROCESSING AND EQUIPMENT STORAGE AREAS ARE TO BE REHABILITATED TO NON-COMPACTED SUBSOILS UNDERLYING TOPSOIL WITH THE EXCEPTION OF THE SOUTHERN PORTION OF THE INTERNAL HAUL ROUTE, WHICH HAS HISTORICALLY BEEN USED AS AN EXISTING INTERNAL ACCESS ROADWAY FOR AGRICULTURAL OPERATIONS.
 - NO BUILDINGS / STRUCTURES SHALL REMAIN ON-SITE.

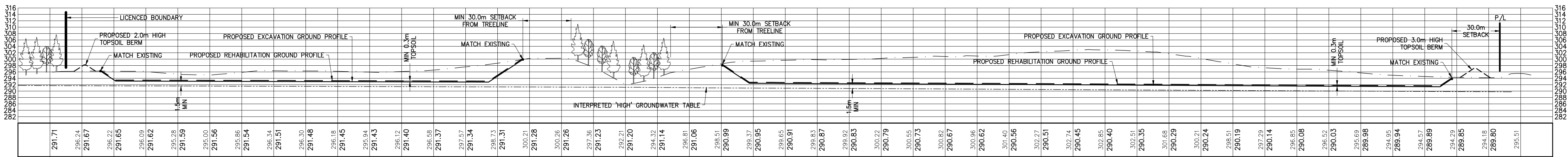
LEGEND

	EXISTING DITCH / WATERCOURSE
	EXISTING FENCELINE
	EXISTING GROUND CONTOUR
	PROPOSED REHABILITATION CONTOUR
	EXISTING TREELINE
	120m BOUNDARY LIMIT
	BOUNDARY OF AREA TO BE LICENSED
	PROPOSED PHASING LIMIT
	PROPOSED FENCED AREA OF LICENSE LIMIT
	ZONING BOUNDARY
	PROPOSED LIMIT OF EXTRACTION
	PROPOSED BOTTOM OF SLOPE
	PROPOSED SILT FENCE
	PROPOSED REHABILITATION ELEVATION
	DIRECTION OF SURFACE FLOW
	TESTHOLE LOCATION
	MONITORING WELL / PIEZOMETER LOCATION
	CURRENT ZONING
	CURRENT LAND USE
	PRIMARY ENTRANCE / EXIT FROM THE SITE

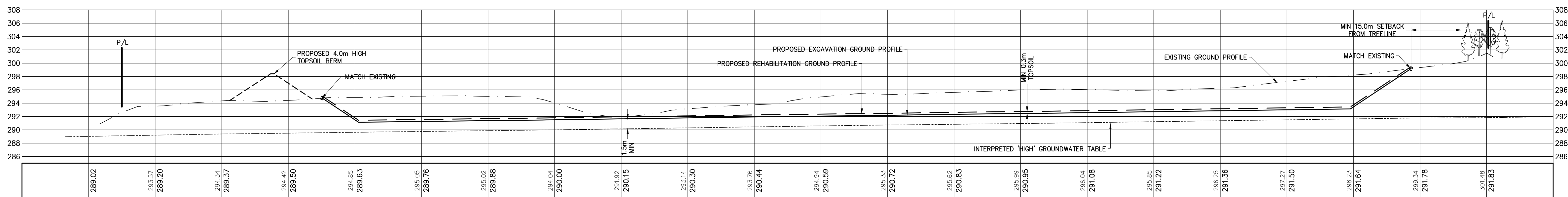
PROGRESSIVE REHABILITATION PLAN

0 25 50 100 200
SCALE 1:2,000

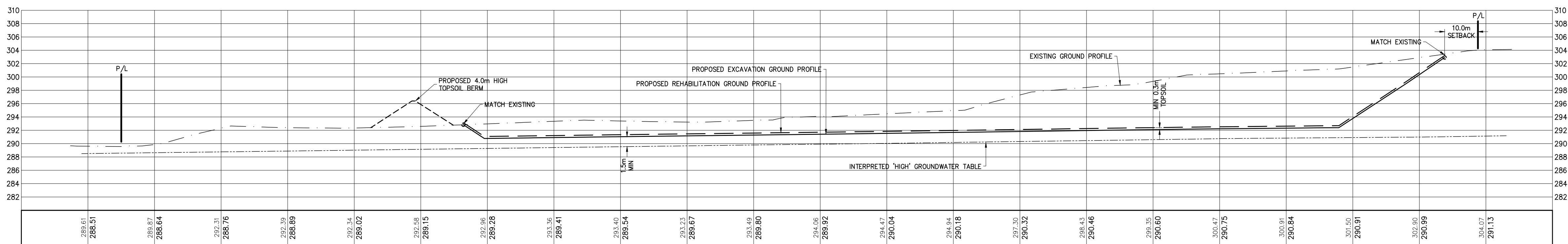
FILE C:\Users\JTB\Documents\220135 JT EXCAVATING LTD. LOT 22, CONCESSION 5, BENTINCK COUNTY, ONTARIO
LAST SAVED BY KENNEDY 2023-11-29 15:15:15 AM PLOTTED BY E.J.T. 2023-11-29 15:46:46 AM



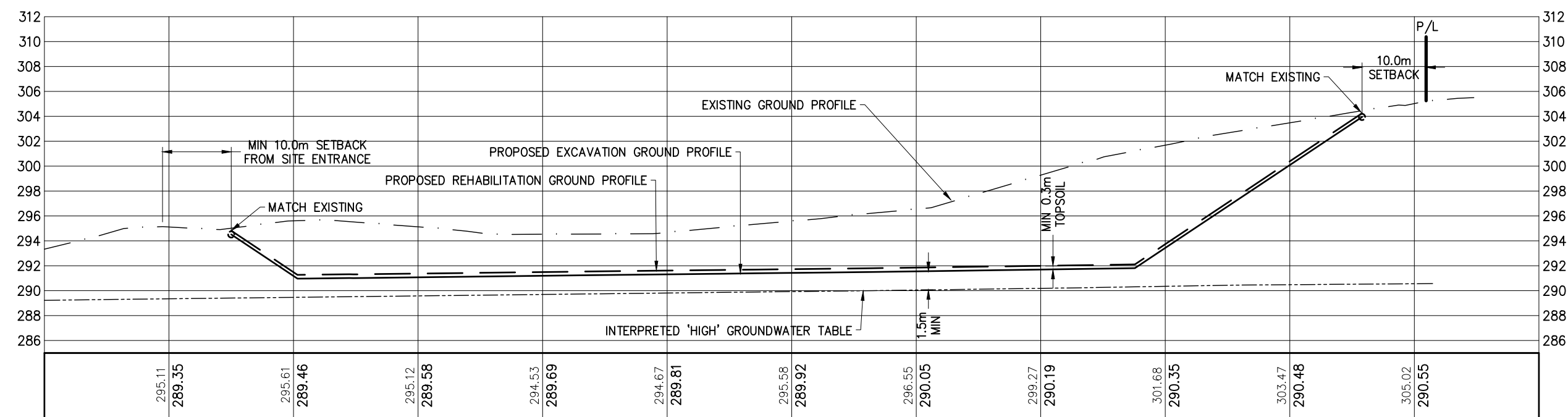
SECTION A-A
SCALE 1:1500 HOR
1:750 VERT



SECTION B-B
SCALE 1:750 HOR
1:375 VERT

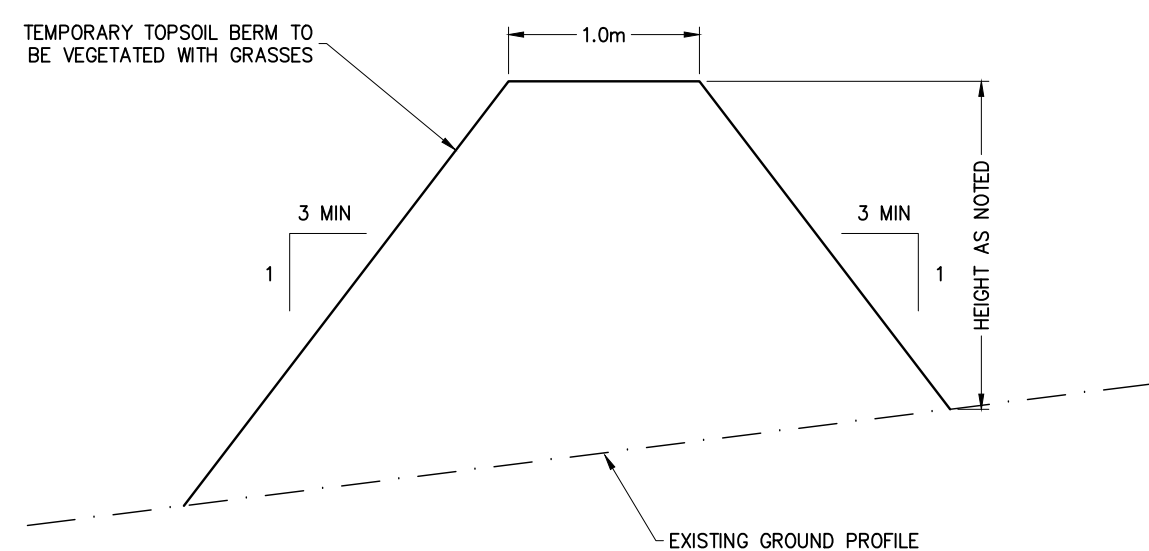


SECTION C-C
SCALE 1:750 HOR
1:375 VERT



SECTION D-D
SCALE 1:750 HOR
1:375 VERT

NOTES:
1. MAXIMUM FINISHED SLOPE GRADIENT SHALL BE 3:1.



TYPICAL BERM SECTION
NOT TO SCALE

LEGEND

302.90
290.82
EXISTING GROUND ELEVATION
INTERPRETED 'HIGH' GROUNDWATER ELEVATION

CROSS SECTIONS



NOTES:

APPLICANT:
JT EXCAVATING LTD.
BOX 665
615 ASPEN STREET
DURHAM, ON
N0G 1R0

APPLICANT'S SIGNATURE

DATE

BENCHMARK 1 ELEV. - 297.76m

TOP OF CASING FOR MONITORING WELL MW-4, LOCATED AT THE SOUTH EAST CORNER OF THE SITE.

BENCHMARK 2 ELEV. - 291.61m

TOP OF CASING FOR MONITORING WELL MW-1, LOCATED AT THE NORTH WEST CORNER OF THE SITE.

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.

1	25/02/25	REVISED PER PLANNING COMMENTS	MDN
NO.	DATE	REVISION DESCRIPTION	CHKD



GUELPH | OWEN SOUND | LISTOWEL | KITCHENER | LONDON | HAMILTON | GTA
1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2J3
TEL: 519-376-1885
www.guelphblueplan.ca

JT EXCAVATING LTD.

PROPOSED AGGREGATE PIT

LOT 22, CONCESSION 5

GEOGRAPHIC TOWNSHIP OF BENTINCK

MUNICIPALITY OF WEST GREY

COUNTY OF GREY

DRAWN BY: E.J.T.	APPROVED BY: C.S.	PROJECT NO.: 220135	DRAWING NO.: 4
DESIGNED BY: E.J.T.	DATE: NOV 23, 2023	SCALE: AS NOTED	