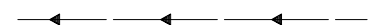

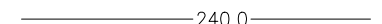







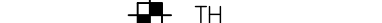











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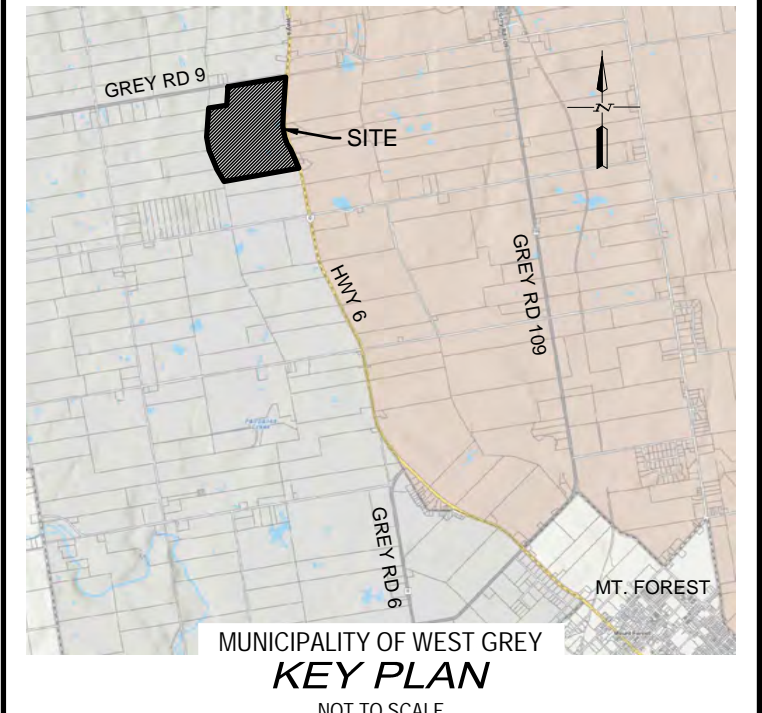
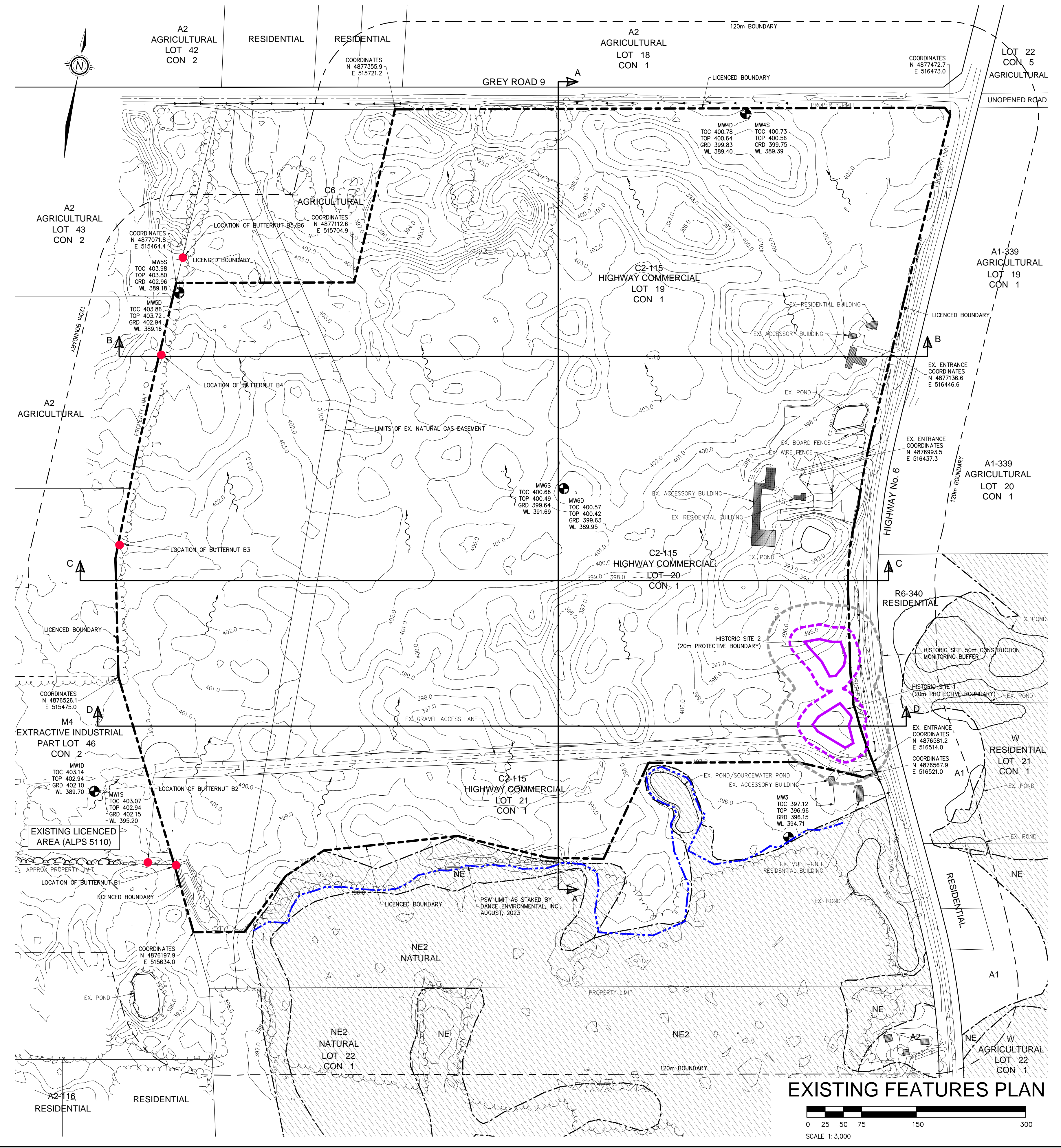
-  EXISTING DITCH / WATERCOURSE
-  EXISTING FENCELINE
-  EXISTING GROUND CONTOUR
-  EXISTING TREELINE
-  120m BOUNDARY LIMIT
-  BOUNDARY OF AREA TO BE LICENCED
-  ZONING BOUNDARY
-  PROVINCIALY SIGNIFICANT WETLAND BOUNDARY
-  DIRECTION OF EXISTING SURFACE FLOW
-  TESTHOLE LOCATION
-  MONITORING WELL / PIEZOMETER LOCATION
-  EXAMPLE OF CURRENT ZONING
-  EXAMPLE OF CURRENT LAND USE
-  PRIVATE SUPPLY WELL (APPROXIMATE LOCATION)
-  SAUGUEN VALLEY CONSERVATION AUTHORITY REGULATED AREA (O.REG. 169/06 SCREENING AREA)
-  PRIMARY ENTRANCE / EXIT FROM THE SITE
-  HISTORIC SITE 1 & 2 LIMIT
-  HISTORIC SITE 1 & 2 (20M PROTECTIVE BOUNDARY)
-  LOCATION OF BUTTERNUT TREE
-  SURFACE WATER BODY (KEY PLAN)

NOTES:

1. THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS "A" LICENCE FOR A PIT ABOVE THE GROUNDWATER TABLE.
2. A TOPOGRAPHIC SURVEY WAS CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED IN APRIL 2023.
3. PROPERTY BOUNDARIES ARE DERIVED FROM GREY COUNTY GIS MAPPING.
4. THE MAXIMUM TONNES EXTRACTED PER YEAR IS 750,000.
5. AREA TO BE LICENCED: 93.30 ha
6. THE "HIGH" GROUNDWATER ELEVATION DESCENDS FROM 395.2m IN THE SOUTHERN PORTION TO 388.7m IN THE NORTHWESTERN PORTION OF THE PROPOSED LICENCED AREA, AS RECORDED MARCH 22, 2023.
7. THERE ARE NO CURRENT BERMS, STOCKPILES OF SOIL, AGGREGATE, OR SCRAP MATERIALS ON THE SITE.
8. NO FUEL STORAGE IS CURRENTLY PRESENT ON THE SITE.
9. THERE ARE NO CURRENT 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



NOTES:

1. TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED, APRIL 25, 2023.
2. COORDINATES ON THIS PLAN ARE ADJUSTED GROUND COORDINATES DERIVED FROM GRID COORDINATES OF THE UTM 17N NAD83(CRS-V7) COORDINATE SYSTEM AND ARE BASED ON OBSERVATIONS FROM A NETWORK OF PERMANENT GPS/GNSS REFERENCE STATIONS.
3. ELEVATIONS ON THIS PLAN ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD08) BY CONVERTING ELLIPSOIDAL HEIGHTS TO ORTHOMETRIC ELEVATIONS USING THE HTV2.0(2010) GEOD MODEL PROVIDED BY NATURAL RESOURCES CANADA.

APPLICANT:
TEESWATER CONCRETE LTD.
 1201 BRUCE ROAD 6
 P.O. BOX 24
 SOUTH BRUCE, ONTARIO
 NOG 2S0

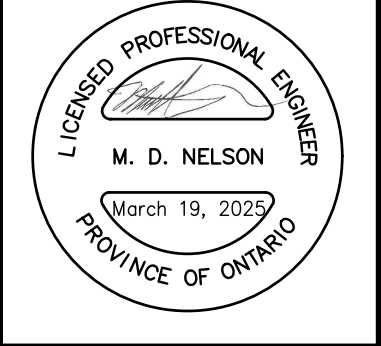
[Signature]
 APPLICANT'S SIGNATURE

05/17/2024
 DATE

BENCHMARK 1 ELEV. - 397.12m
 TOP OF CASING ON MONITORING WELL (MW3) LOCATED IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.

BENCHMARK 2 ELEV. - 400.73m
 TOP OF CASING ON MONITORING WELL (MW45) LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY.

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.



NO.	DATE	REVISION DESCRIPTION	CHKD
3	19/03/25	NOTES REVISED	MDN
2	24/02/25	REVISED PER MNRIF AND PLANNING COMMENTS	MDN
1	13/11/24	REVISED PER MNRIF AND SVCA COMMENTS	MDN



QUELPH | OWEN SOUND | LISTOWEL | HITCHENER | LONDON | HAMILTON | GTA
 1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2J3
 TEL: 519-376-1800 www.blueplan.ca

PROPOSED AGGREGATE PIT

TEESWATER CONCRETE LTD.

PART LOT 19 & LOT 20 CONCESSION 1, PART LOT 46, CONCESSION 2

MUNICIPALITY OF WEST GREY, GEOGRAPHIC TOWNSHIP OF NORMANBY

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
E.J.T.	M.D.N.	218045-1	1
DESIGNED BY:	DATE:	SCALE:	
E.J.T.	APR 19, 2024	1:3,000	

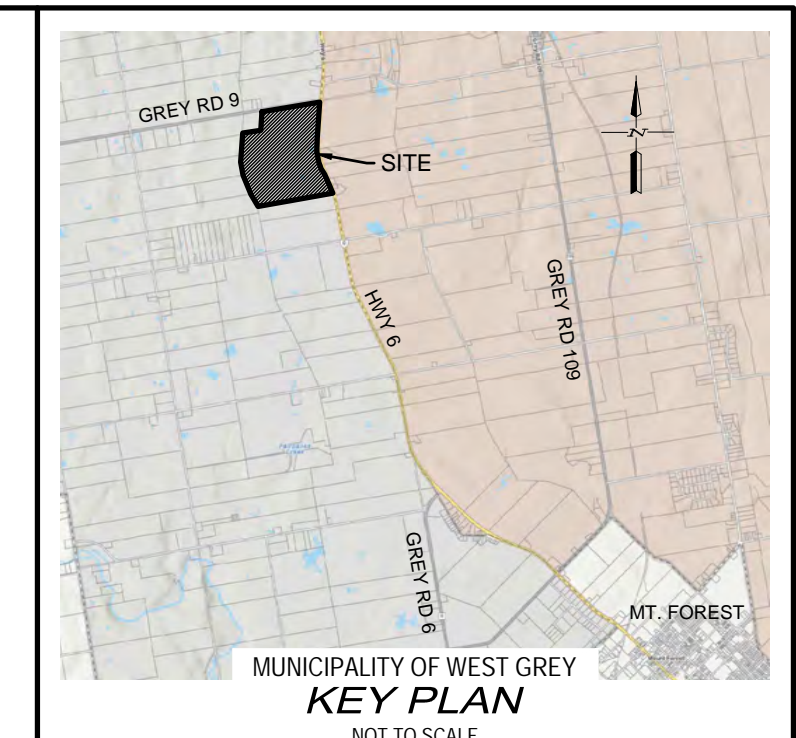
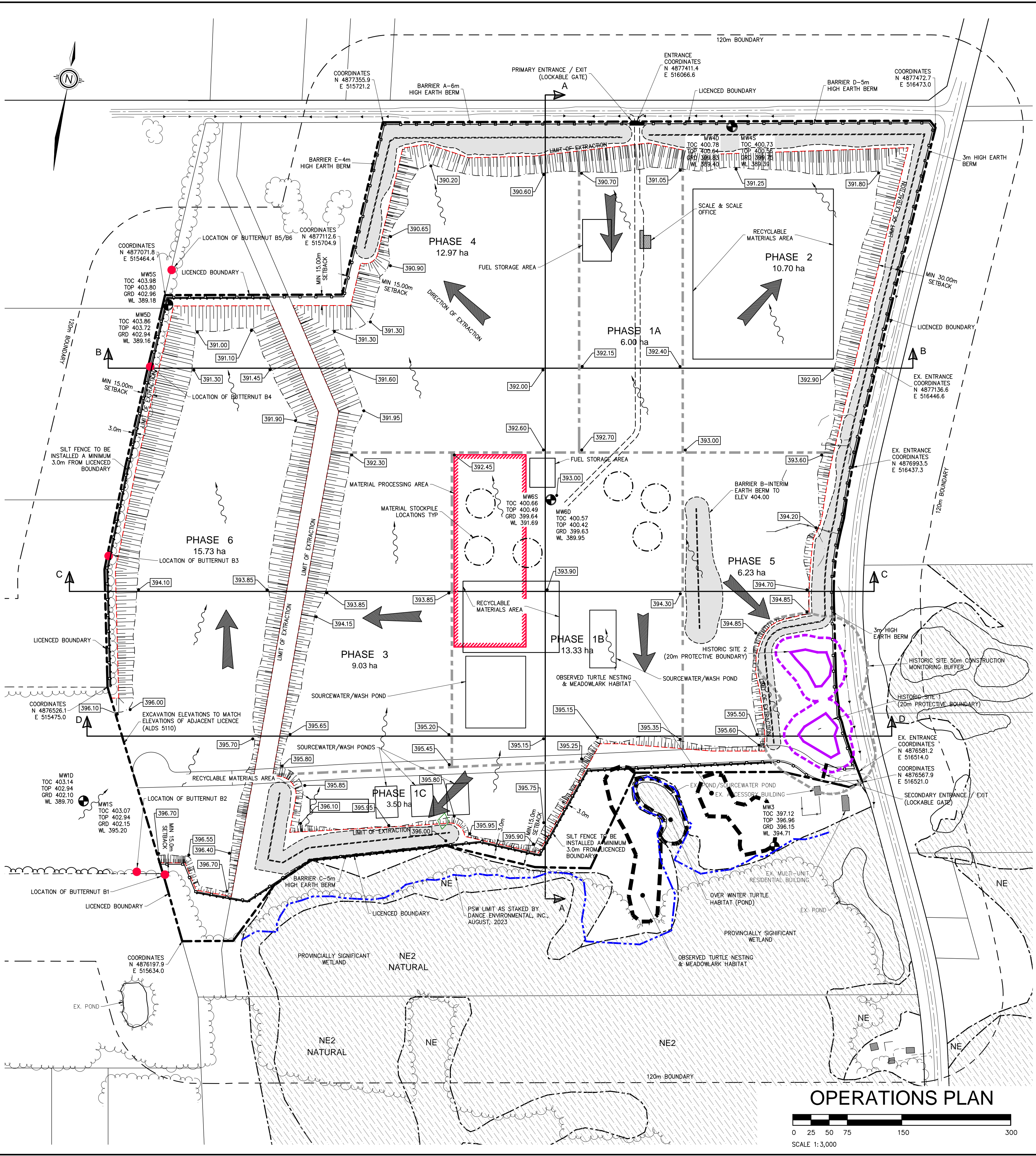
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LEGEND

- EXISTING DITCH / WATERCOURSE
- EXISTING FENCELINE
- EXISTING GROUND CONTOUR
- EXISTING TREELINE
- 120m BOUNDARY LIMIT
- BOUNDARY OF AREA TO BE LICENCED
- PHASING LIMIT
- FENCED AREA OF EXTRACTION LIMIT
- ZONING BOUNDARY
- LIMIT OF EXTRACTION
- BOTTOM OF SLOPE
- SILT FENCE
- PROVINCIAALLY SIGNIFICANT WETLAND BOUNDARY
- LIMIT OF SIGNIFICANT WILDLIFE CONSTRAINT ZONE
- EXCAVATION ELEVATION
- DIRECTION OF SURFACE FLOW
- TESTHOLE LOCATION
- MONITORING WELL / PIEZOMETER LOCATION
- EXAMPLE OF CURRENT ZONING
- EXAMPLE OF CURRENT LAND USE
- PRIVATE SUPPLY WELL (APPROXIMATE LOCATION)
- SAUGEEN VALLEY CONSERVATION AUTHORITY REGULATED AREA (O.REG. 169/06 SCREENING AREA)
- PRIMARY ENTRANCE / EXIT FROM THE SITE
- INTERNAL ACCESS ROUTE
- DIRECTION OF EXTRACTION

NOTES:

- THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENSE FOR A PIT ABOVE THE GROUNDWATER TABLE.
- A TOPOGRAPHIC SURVEY WAS CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED IN APRIL 2023.
- PROPERTY BOUNDARIES ARE DERIVED FROM GREY COUNTY GIS MAPPING.
- THE MAXIMUM TONNAGE EXTRACTED PER YEAR IS 750,000.
- AREA TO BE LICENCED: 93.30 ha
- AREA OF EXTRACTION: 71.42 ha
- THE "HIGH" GROUNDWATER ELEVATION DESCENDS FROM 395.2m IN THE SOUTHERN PORTION TO 388.7m IN THE NORTHWESTERN PORTION OF THE LICENCED AREA, AS RECORDED MARCH 22, 2023.
- NO WATER DRAINAGE OR EXTRACTION BELOW THE GROUNDWATER TABLE IS PROPOSED. THE MAXIMUM DEPTH OF EXTRACTION IS TO BE FROM 396.7m IN THE SOUTHWEST TO 390.2m IN THE NORTHWEST TO THE "HIGH" GROUNDWATER TABLE ELEVATION.
- SURFACE WATER DRAINAGE WILL BE BY PERCOLATION OR EVAPORATION.
- EQUIPMENT TO BE USED ON THE SITE FOR DRAINAGE OPERATIONS SHALL INCLUDE: HYDRAULIC EXCAVATORS, DOZERS, LOADERS, SHEDS, STEERS, GRADERS, CRUSHERS, SPREADERS, GENERATORS, AIR COMPRESSORS, CONVEYOR BELTS, TRUCKS AND WASHING/CLASSIFYING EQUIPMENT.
- ON-SITE FUEL STORAGE IS PERMITTED.
- NO SCRAP METALS OR REFUSE SHALL BE STORED ON-SITE. HOWEVER, SPARE PARTS AND EQUIPMENT IS TO BE PERMITTED ON-SITE.
- NO ADDITIONAL TREE SCREENING IS PROPOSED.
- POST AND WIRE FENCE, AT LEAST 1.2m IN HEIGHT, COMPLETE WITH SIGNAGE, SHALL BE ERRECTED AROUND THE PERIMETER OF THE LICENCED AREA, WITH THE EXCEPTION OF THE BOUNDARY BETWEEN THE EXISTING ON-SITE LICENCED PIT (ALPS 5110) AND THE NEW LICENCE BOUNDARY, PRIOR TO THE COMMENCEMENT OF EXTRACTION.
- FULL PIT OPERATIONS SHALL BE LIMITED TO THE HOURS OF 07:00 TO 19:00 MONDAY TO FRIDAY, WITH LOADING AND SHIPPING PERMITTED BETWEEN 06:00 TO 19:00 MONDAY TO FRIDAY AND SHIPPING PERMITTED BETWEEN 07:00 TO 15:00 ON SATURDAY.
- DURING ANY TREE REMOVAL WORK, THE REMOVAL OF ANY REMAINING WOODY DEBRIS MAY BE USED IN THE REHABILITATION OF SIDE SLOPES AROUND THE PERIMETER OF THE PROPERTY OR NATURAL GAS EASEMENT.
- MAXIMUM NUMBER OF LIFTS FOR EXTRACTORS IS 4. MAXIMUM LIFT HEIGHT IS 7m.
- TOPSOIL AND OVERBURDEN:
 - TOPSOIL MUST BE STOCKPILED 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 IN THE PLAN. ANY REMAINING MATERIAL SHALL BE PLACED IN STOCKPILES ON-SITE WITH STABLE VEGETATED SLOPES FOR FUTURE SITE REHABILITATION.
 - TOPSOIL BERMS TO BE VEGETATED MANUALLY WITH NATIVE GRASSES. THE BERMS SHALL BE SEEDDED AS THE BERM IS CONSTRUCTED IN ORDER TO PREVENT EROSION AND RUNOFF.
 - TOPSOIL/OVERBURDEN IS NOT PERMITTED TO BE TRANSPORTED OFF-SITE.
- PHASING:
 - PHASE 1A, 1B, AND 1C:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 1A, 1B, AND 1C. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 1A AND 1C ARE TO BE USED IN THE CONSTRUCTION OF BERMS (BARRIERS A, BARRIER B, AND BARRIER C).
 - PRIOR TO EXTRACTION IN PHASE 1A, BARRIER A SHALL BE ESTABLISHED ALONG THE NORTHERN LICENCE BOUNDARY. THIS BARRIER SHALL REMAIN IN PLACE FOR THE DURATION OF EXTRACTION AND PROCESSING OPERATIONS WITHIN THE PIT.
 - PRIOR TO EXTRACTION IN PHASE 1B, BARRIER B SHALL BE ESTABLISHED ALONG A PORTION OF THE EASTERN EXTENT OF THE PHASE 1B AREA. THIS BARRIER SHALL REMAIN IN PLACE UNTIL EXTRACTION COMMENCES IN PHASE 2.
 - PRIOR TO EXTRACTION IN PHASE 1C, BARRIER C SHALL BE ESTABLISHED ALONG THE WESTERN AND SOUTHERN BOUNDARY OF PHASE 1C. THIS BARRIER SHALL REMAIN IN PLACE FOR THE DURATION OF EXTRACTION AND PROCESSING OPERATIONS IN THE PIT.
 - INTERIM STORAGE OF THE EXTRACTED AGGREGATE WOULD OCCUR UNTIL EXTRACTION TO THE PIT FLOOR IS ESTABLISHED IN PHASE 1B. ONCE SUFFICIENT STORAGE AREA IN THE FLOOR OF PHASE 1B IS ESTABLISHED, FUTURE STOCKPILING OF AGGREGATE WOULD REMAIN IN PHASE 1B AND THE FLOOR OF THE PIT IN THE ACTIVE AREA.
 - PHASE 1C SHALL HAVE THE AREA OF THE PHASE CONTAINING EXTRACTION/PURIFICATION PONDS MAINTAINED THROUGHOUT EXTRACTION, PROCESSING, AND WASH PLANT OPERATIONS.
 - EXCESS STOCKPILED OVERBURDEN NOT USED IN BERM CONSTRUCTION (IF ANY) WOULD BE UTILIZED FOR PROGRESSIVE REHABILITATION OF PHASE 1A (EXCLUDING THE HAUL ROUTE), PORTIONS OF PHASE 1C (EXCLUDING THE EXTRACTION/FILTRATION POND AREA), OR STOCKPILED FOR FUTURE PROGRESSIVE REHABILITATION OF SUBSEQUENT PHASES.
 - PHASE 2:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 2. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 2 ARE TO BE USED IN THE REHABILITATION OF PORTIONS OF PHASE 1A AND 1C AND/OR IN THE CONSTRUCTION OF BERMS (WHERE REQUIRED).
 - EXCESS OVERBURDEN NOT USED IN BERM CONSTRUCTION OR PHASE 2 REHABILITATION SHALL BE STOCKPILED IN THE WESTERN PORTION OF PHASE 3 AND USED FOR PHASE 3 REHABILITATION FOLLOWING EXTRACTION.
 - PHASE 3:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 3. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 3 ARE TO BE USED IN THE REHABILITATION OF PHASE 2 AND/OR IN THE CONSTRUCTION OF BERMS (WHERE REQUIRED).
 - EXCESS OVERBURDEN NOT USED IN BERM CONSTRUCTION OR PHASE 2 REHABILITATION SHALL BE STOCKPILED IN THE WESTERN PORTION OF PHASE 3 AND USED FOR PHASE 3 REHABILITATION FOLLOWING EXTRACTION.
 - PHASE 4:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 4. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 4 ARE TO BE USED IN THE REHABILITATION OF PREVIOUS PHASES AND/OR IN THE CONSTRUCTION OF BERMS (WHERE REQUIRED).
 - PRIOR TO EXTRACTION IN PHASE 4, BARRIER D SHALL BE ESTABLISHED ALONG THE WESTERN EXTENT OF PHASE 4, EXTENDING SOUTHWARD WITH AN APPROXIMATE LENGTH OF 150m. THIS BARRIER SHALL REMAIN IN PLACE FOR THE DURATION OF EXTRACTION AND PROCESSING OPERATIONS WITHIN THE PIT.
 - EXCESS OVERBURDEN NOT USED IN BERM CONSTRUCTION OR PHASE 3 REHABILITATION SHALL BE STOCKPILED IN THE SOUTHEASTERN PORTION OF PHASE 4 AND USED FOR PHASE 4 REHABILITATION FOLLOWING EXTRACTION.
 - PHASE 5:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 5. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 5 ARE TO BE USED IN THE REHABILITATION OF PREVIOUS PHASES.
 - DURING EXTRACTION IN PHASE 5, THE PORTABLE PROCESSING PLANT SHALL OPERATE WITHIN 50m FROM THE SOUTHERN PHASE 5 EXTRACTION LIMIT.
 - EXCESS OVERBURDEN NOT USED IN PHASE 4 REHABILITATION SHALL BE STOCKPILED IN THE SOUTHEASTERN PORTION OF PHASE 5 AND USED FOR PHASE 5 REHABILITATION FOLLOWING EXTRACTION.
 - PHASE 6:
 - STRIPPING OF TOPSOIL AND EXTRACTION OF THE OVERBURDEN (WHERE PRESENT) TO THE TOP OF THE AGGREGATE WOULD BE COMPLETED IN PHASE 6. THE TOPSOIL AND OVERBURDEN MATERIALS FROM PHASE 6 ARE TO BE USED IN THE REHABILITATION OF PREVIOUS PHASES.
 - EXCESS OVERBURDEN NOT USED IN PHASE 5 REHABILITATION SHALL BE STOCKPILED IN THE SOUTHERN PORTION OF PHASE 6 AND USED FOR PHASE 6 REHABILITATION FOLLOWING EXTRACTION.
 - STOCKPILES WILL BE LOCATED IN THE ACTIVE PHASE PROXIMAL TO THE WORKING FACE OR IN PHASE 1B (PROCESSING AREA).
 - REGARDLESS OF THE PHASING SEQUENCE, MULTIPLE PHASES MAY BE OPEN AT ONE TIME IN ORDER TO ACHIEVE EXTRACTION OF DIFFERING MATERIALS THAT MEET THE BLENDING REQUIREMENTS; SO LONG AS THE REQUIRED BERMS ARE IN PLACE PRIOR TO EXTRACTION IN THE ASSOCIATED AREAS NO MORE THAN 32 ha WILL REMAIN OPEN AT ONE TIME WITH THE EXCEPTION OF PHASE 1A, 1B AND 1C.
- THE INTERNAL HAUL ROUTE SHALL CONSIST OF AN ACCESS ROADWAY SOUTH FROM THE SOUTH SIDE OF GREY ROAD 9, APPROXIMATELY 400 METRES WEST OF THE INTERSECTION OF HIGHWAY 6 AND GREY ROAD 9. THE ROADWAY SHALL EXTEND FROM BOUNDARY TO THE PROCESSING PLANT AREA IN PHASE 1B.
- 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.
- ON-SITE BUILDINGS ARE TO BE REMOVED OR RE-PURPOSED PRIOR TO AGGREGATE EXTRACTION IN PHASE 2 AND PHASE 3 AREAS. ON-SITE NON-RESIDENTIAL BUILDINGS MAY BE USED AS ACCESSORY BUILDINGS FOR OPERATIONS. THIS IS WITH THE EXCEPTION OF THE EXISTING MULTI-UNIT RESIDENTIAL DWELLING SITUATED ON THE SOUTHEASTERN PORTION OF THE PROPERTY. THIS BUILDING TO BE RETAINED SHALL REMAIN EITHER VACANT OR BE USED AS OFFICE SPACE ASSOCIATED WITH AGGREGATE OPERATIONS THROUGHOUT THE DURATION OF AGGREGATE EXTRACTION ON THE PROPERTY.
- SUBJECT TO ECA APPROVAL AND AN UPDATED NOISE STUDY, A READY-TO-PLANT OR OTHER EQUIPMENT OR PLANTS ACCESSORY TO THE AGGREGATE INDUSTRY WILL BE PERMITTED ON THE SITE PROVIDED IT IS COMPLIANT WITH ZONING REGULATIONS.
- 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 MNP SPILLS ACTION LINE: 1-800-268-6060.
 - ALL SPILLS OR CONTAMINANT RELEASES ARE TO BE REPORTED TO THE SUPERVISOR AND TO THE ENVIRONMENTAL PROTECTION ACT AND ASSOCIATED REGULATIONS.
 - IN CASE OF SPILL, THE FOLLOWING ACTIONS ARE TO BE TAKEN:
 - CHECK FOR HAZARDOUS CONDITIONS - CALL BY YOUR HAZARDOUS CONDITIONS EXIST.
 - CALL THE SUPERVISOR/OWNER AND REPORT THE SPILL.
 - IF NECESSARY TO DO SO, STOP THE SOURCE OF THE SPILL (THIS MAY INCLUDE SHUTTING CONTAINERS, TURNING OFF PUMPS, CLOSING VALVES OR PLUGGING LEAKS), CONTAIN THE RELEASE, USE AVAILABLE MATERIALS TO PREVENT THE SPREAD OF THE CONTAMINANTS AND PLACE CONTAMINATED MEDIA IN STORAGE CONTAINERS.
 - THE SUPERVISOR/OWNER AND QUALIFIED PERSONNEL SHALL DEVELOP AND IMPLEMENT A REMEDIAL PLAN AND REQUIREMENTS OF THE MNP (AS APPLICABLE).
 - THE SPILLS RESPONSE PLAN IS TO BE POSTED ON-SITE AT ALL TIMES.
- A SPILL CONTAINMENT AND CLEAN-UP KIT IS TO BE KEPT ON-SITE.
- EXTRACTION MAY OCCUR IN 1 OR 2 LIFTS AND ALL BANK HEIGHTS WILL MEET REGULATIONS FOR SAFE OPERATION.
- THE PRIMARY ENTRANCES/EXIT FROM THE SITE SHALL BE PRESENT ON THE SOUTH SIDE OF GREY ROAD 9. THE EXISTING ACCESS ROADWAY ON THE SOUTHEASTERN PORTION OF THE SITE ON THE WESTERN SIDE OF THE HIGHWAY 6 ROW SHALL BE USED AS A SECONDARY ENTRANCE/EXIT, WHICH IS TO BE USED FOR EMPLOYEES, DELIVERIES, AND SERVICE USE.
- MATERIAL RECYCLING:
 - CONCRETE AND ASPHALT RECYCLING IS PERMITTED ON-SITE.
 - AGGREGATE IS PERMITTED TO BE IMPORTED INTO THE SITE FOR THE PURPOSES OF BLENDING AND REUSE.
 - RECYCLABLE ASPHALT SHALL NOT BE STORED WITHIN 30 METRES OF A BODY OF WATER OR WITHIN TWO METRES OF THE GROUNDWATER TABLE.
 - RECYCLABLE ASPHALT AND RED RECYCLED SHALL NOT BE STORED ON A SITE WHERE THE SITE PLAN DOES NOT PERMIT PROCESSING OF MATERIALS.
 - REBAR OR OTHER STRUCTURAL METAL SHALL BE SEPARATED FROM RECYCLABLE AGGREGATE MATERIAL DURING PROCESSING.
 - RECYCLING ACTIVITIES ON THE SITE SHALL NOT INTERFERE WITH THE OPERATIONAL PHASES OF THE SITE OR WITH THE REHABILITATION OF THE SITE. O. REG. 466/20, A 2 (1.2)
- 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 POLICES DO NOT APPLY TO THIS SITE.
- THERE ARE NO DIFFERENCES BETWEEN THE OPERATIONS AND THE OPERATIONAL REQUIREMENTS SPECIFIED IN SECTION D.1.3 OF ONTARIO REGULATION 244/97.



NOTES:

- TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED, APRIL 25, 2023.
- COORDINATES ON THIS PLAN ARE ADJUSTED GROUND COORDINATES DERIVED FROM GRID COORDINATES OF THE UTM 17N NAD83(CRS-84) COORDINATE SYSTEM AND ARE BASED ON OBSERVATIONS FROM A NETWORK OF PERMANENT GPS/GNSS REFERENCE STATIONS.
- ELEVATIONS ON THIS PLAN ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 1929 (CGVD29) BY CONVERTING ELLIPSOIDAL HEIGHTS TO ORTHOMETRIC ELEVATIONS USING THE HTFZ(GO10) GEOID MODEL PROVIDED BY NATURAL RESOURCES CANADA.

APPLICANT:
TEESWATER CONCRETE LTD.
 1201 BRUCE ROAD 6
 P.O. BOX 24
 SOUTH BRUCE, ONTARIO
 N0G 2S0

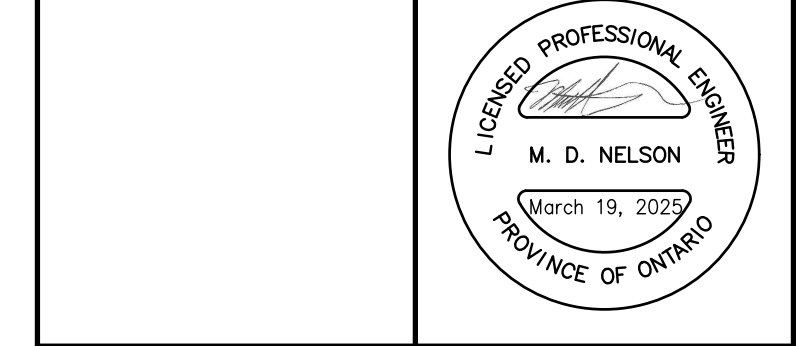
APPLICANT'S SIGNATURE: *[Signature]*

DATE: 05/17/2024

BENCHMARK 1 ELEV. - 397.12m
 TOP OF CASING ON MONITORING WELL (MW3) LOCATED IN THE SOUTHWEST CORNER OF THE SUBJECT PROPERTY.

BENCHMARK 2 ELEV. - 400.73m
 TOP OF CASING ON MONITORING WELL (MW4S) LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY.

THE POSITION OF POLE LINES, CONDUITS, WATERWAYS, 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.



NO.	DATE	REVISION DESCRIPTION	CHKD
3	19/03/25	NOTES REVISED	MDN
2	24/02/25	REVISED PER MNRFP AND PLANNING COMMENTS	MDN
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BluePlan ENGINEERING

QUELIM | OWEN SOUND | LISTOWEL | HITCHENER | LONDON | HAMILTON | GTA
 1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2T3
 TEL: 519-376-1800 | WWW.BLUEPLAN.CO

AGGREGATE PIT

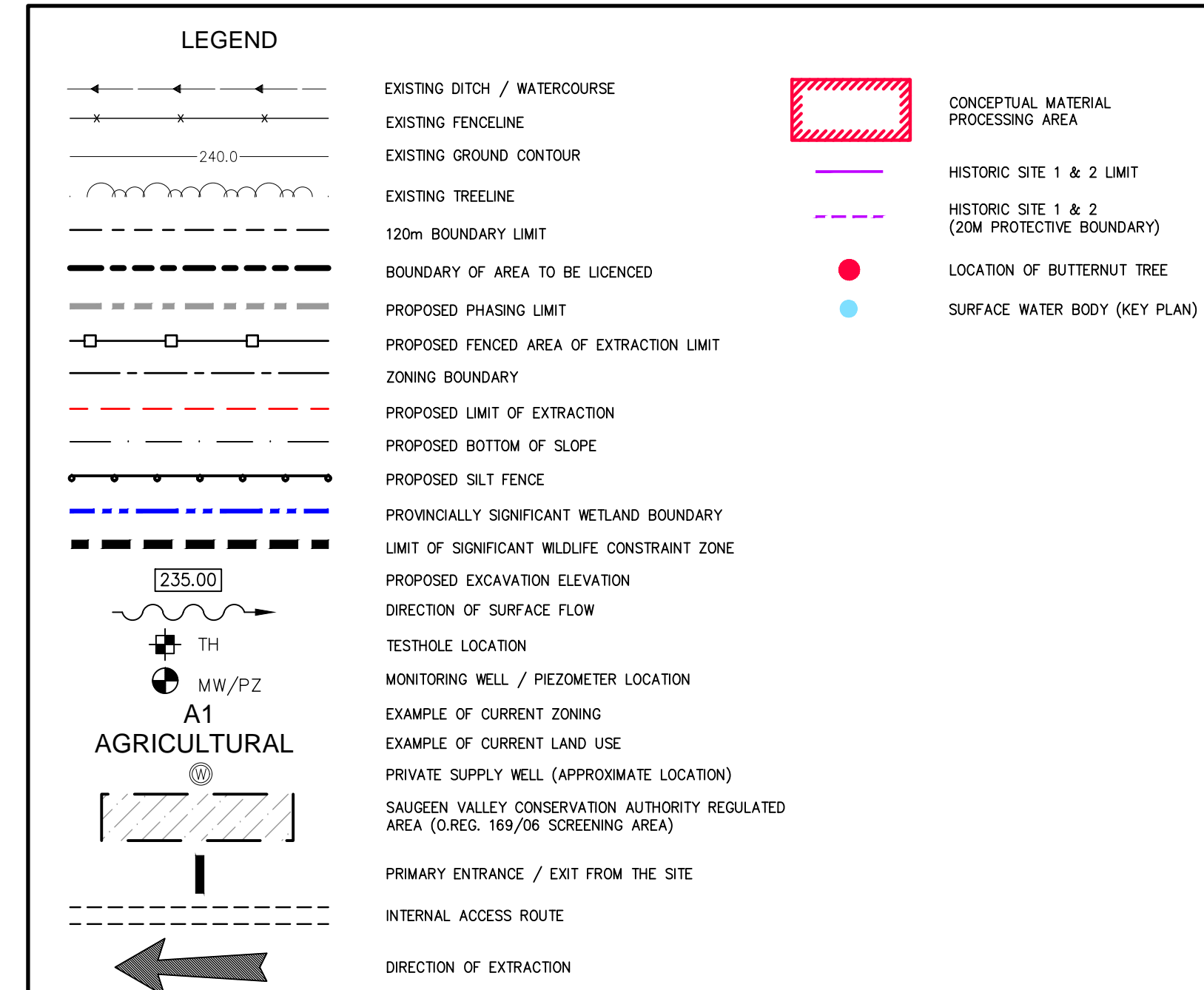
TEESWATER CONCRETE LTD.

PART LOT 19 & LOT 20 CONCESSION 1, PART LOT 46, CONCESSION 2

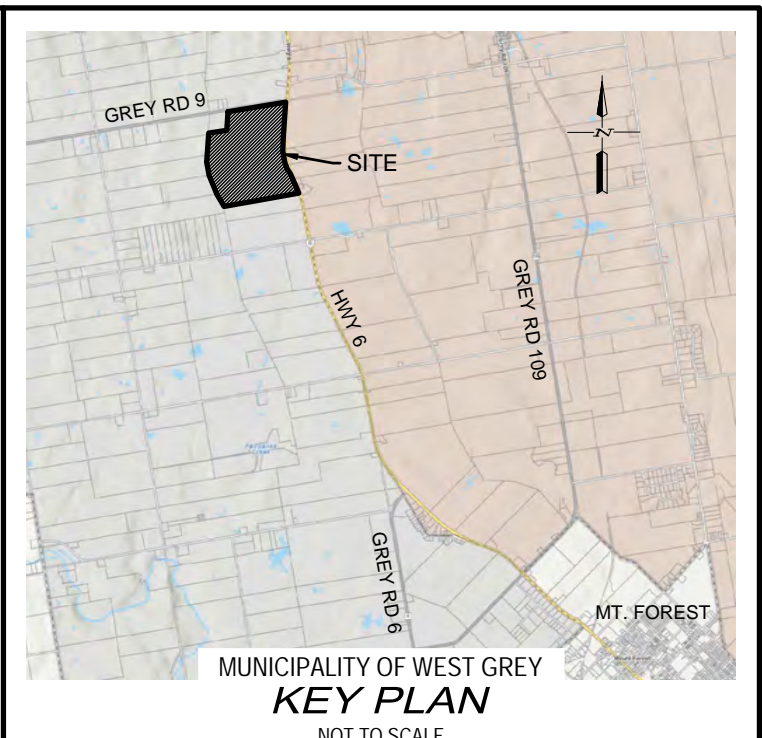
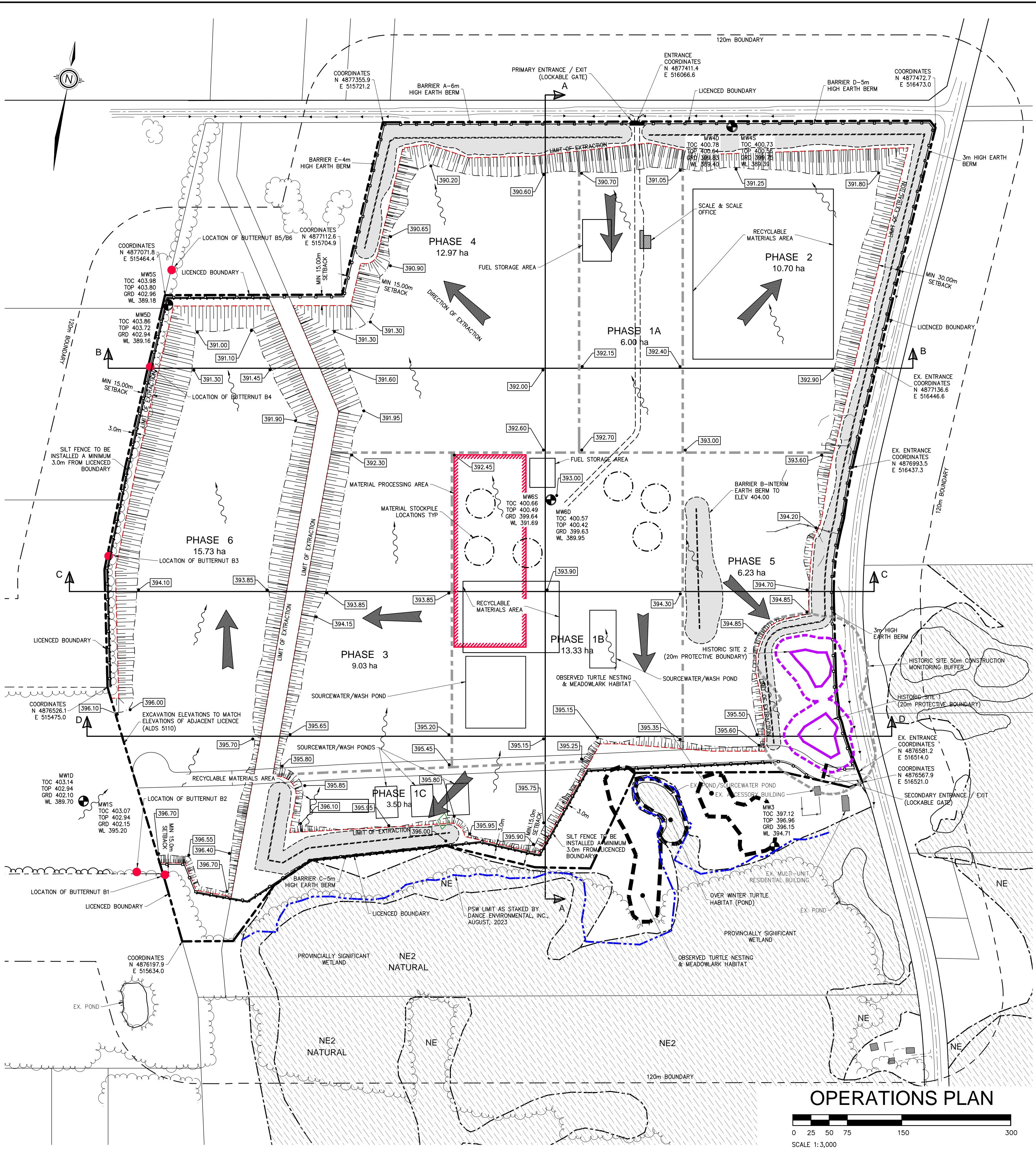
MUNICIPALITY OF WEST GREY, GEOGRAPHIC TOWNSHIP OF NORMANBY

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
E.J.T.	M.D.N.	218045-1	2A
DESIGNED BY:	DATE:	SCALE:	
E.J.T.	APR 19, 2024	1:3,000	

FILE: C:\CAD\2024\218045\218045.dwg, DATE: 05/17/2024, TIME: 10:00 AM, PLOTTER: HP DesignJet 5000, PLOT SCALE: 1:3000



- NOTES:**
- HYDROLOGICAL STUDY NOTES
 - TO ENSURE PRE AND POST DEVELOPMENT SURFACE WATER FLOWS TO THE SAME LOW LYING LOCATIONS, SLOPE THE RESTORED GRADES, SIMILAR TO THE EXISTING TO ENSURE A SIMILAR CATCHMENT AREA.
 - EXISTING SURFACE WATER FEATURES SHALL BE PROTECTED AND SHALL NOT BE ADJUSTED AS PART OF THE PIT DEVELOPMENT.
 - NATURAL ENVIRONMENT TECHNICAL REPORT NOTES
 - CLEARING OF ANY VEGETATION WITHIN THE LIMIT OF EXTRACTION SHALL OCCUR BETWEEN OCTOBER 1 AND APRIL 1 TO PREVENT ANY DESTRUCTION OF BIRDS, EGGS OR NESTS, AND TO PREVENT IMPACT ON BAT POPULATIONS.
 - EFFECTIVE DUST CONTROL SHALL BE MAINTAINED ALONG THE ACCESS ROAD AND IN THE PIT SO THAT DUST DOES NOT IMPACT ADJACENT VEGETATION AND WILDLIFE.
 - DUST CONTROL EFFECTIVENESS SHALL BE MONITORED ON AN ON-GOING BASIS, WITH MITIGATION MEASURES TO BE TAKEN AS REQUIRED, TO ACHIEVE EFFECTIVE DUST CONTROL.
 - ADEQUATE UNDISTURBED SETBACKS SHALL BE ESTABLISHED BETWEEN THE LIMIT OF EXTRACTION AND THE LEVEL 1 FEATURES. RATIONALE FOR SETBACK WIDTHS, LOCATIONS, MANAGEMENT AND MAINTENANCE SHALL BE DETERMINED THROUGH THE IMPACT ASSESSMENT PROCESS.
 - PROGRESSIVE REHABILITATION SHALL BE UNDERTAKEN.
 - EQUIPMENT FUELING, MAINTENANCE AND FUEL STORAGE SHALL BE LOCATED NEAR THE CENTRAL PORTION OF THE SITE, AWAY FROM THE OFF-SITE PONDS, WOODLANDS AND WETLANDS.
 - EXTRACTION SHALL BE KEPT 1.5m ABOVE THE SHALLOW GROUND WATER ELEVATION SO THAT THERE ARE NO IMPACTS ON THE OFF-SITE NATURAL FEATURES.
 - SILT CONTROL FENCE SHALL BE INSTALLED TO PROTECT THE WOODLAND AND WETLANDS TO THE SOUTH, AND THE WOODLANDS TO THE WEST AND SOUTHWEST AS FOLLOWS:
 - PRIOR TO STRIPPING TOPSOIL ON THE LANDS TO BE EXTRACTION DURING PHASE 6, SILT FENCE SHALL BE ERECTED AND MONITORED.
 - SILT FENCE SHALL BE INSTALLED PRIOR TO TOPSOIL STRIPPING IN THE PHASE 1B AND 1C AREAS. THE MINIMUM 30m SETBACK SHALL BE ALLOWED TO NATURALIZE, EXCEPT IN SPECIFIC AREAS WHERE MANAGEMENT OF TREES AND SHRUBS IS UNDERTAKEN TO MAINTAIN HAIR-FREE AREAS FOR TURTLE NESTING.
 - THE SOUTHERN AND WESTERN BOUNDARIES OF THE LICENCE MARGIN SHALL BE FENCED WITH POST AND WIRE FENCING TO PREVENT EQUIPMENT FROM IMPACTING THE ADJACENT WOODLANDS AND WETLANDS.
 - IF IN THE FUTURE, THE HOUSES, BARN AND SHEEDS ARE TO BE REMOVED, MECP REGULATIONS IN FORCE AT THE TIME SHALL BE REVIEWED TO ENSURE THAT THE METHODS AND TIMING OF BUILDING REMOVALS ARE IN COMPLIANCE WITH REQUIREMENTS PERTINENT TO BARN SWALLOW.
 - A SUITABLY-SIZED BARN SWALLOW NEST STRUCTURE SHALL BE ERECTED IN THE SOUTHEASTERN CORNER OF THE LICENCED AREA, ADJACENT TO THE TURTLE NESTING AND OVER-WINTERING AND EASTERN MEADOWLARK HABITAT. THE STRUCTURE SHALL BE INSTALLED ONE NESTING SEASON PRIOR TO REMOVAL OF THE EXISTING BARN. LOCATION IN BARN WHERE NESTING OCCURS.
 - A 15m SETBACK FROM THE PROPERTY BOUNDARY SHALL BE LEFT UNGRADED AND BE ALLOWED TO NATURALIZE IN THE AREA OF THE WEST-CENTRAL WOODLAND, WHERE BUTTERNUT SAPPLINGS HAVE BEEN FOUND. SINCE EXTRACTION HERE IS TO OCCUR IN THE LAST PHASE (6), THIS AREA COULD BE FARMED UNTIL THE YEAR BEFORE EXTRACTION IS TO OCCUR.
 - THREE YEARS PRIOR TO EXTRACTION IN PHASE 6, THE HEALTH OF THE BUTTERNUTS SHALL BE CHECKED AND REGULATIONS PERTAINING TO BUTTERNUTS THAT ARE IN EFFECT AT THE TIME SHALL BE FOLLOWED. PRESUMING THAT THERE ARE HEALTHY BUTTERNUTS PRESENT AND REGULATIONS REQUIRE THEIR PROTECTION, PRIOR TO STRIPPING TOPSOIL ON THE LANDS TO BE EXTRACTION DURING PHASE 6, A SILT FENCE SHALL BE ERECTED AND MONITORED PERIODICALLY. THE 15m SETBACK SHALL BE ALLOWED TO NATURALIZE, OR WHATEVER PRESCRIPTION TO PROTECT BUTTERNUTS IS REQUIRED, SHALL BE IMPLEMENTED.
 - IF BARN SWALLOWS BEGIN TO NEST IN THE NEW PIT MARGINS, PERTINENT REGULATORY REQUIREMENTS SHALL BE FOLLOWED TO AVOID IMPACTS ON THIS SPECIES.
 - ECOLOGICAL MONITORING SHALL BE UNDERTAKEN AT THE PIT DURING THE YEARS OF OPERATION WHEN EXTRACTION IN PHASES 1B AND 1C OCCUR, AS THE PHASE 1C EXTRACTION AREA IS ADJACENT TO THE GREATEST NUMBER OF LEVEL 2 FEATURES AN ECOLOGICAL MONITORING PLAN IS REQUIRED TO ENSURE THAT NO SIGNIFICANT IMPACTS OCCUR TO LEVEL 1 FEATURES DUE TO THE AGGREGATE EXTRACTION. THE ECOLOGICAL MONITORING PLAN IS TO INCLUDE:
 - COUNTING THE NUMBERS OF ACTIVE NESTS AND PAIRS OF BARN SWALLOWS USING THE ARTIFICIAL NESTING STRUCTURE;
 - COUNTING AND MAPPING THE NUMBERS OF SUNNING AND NESTING TURTLES IN THE AREA ADJACENT TO POND FRO3 AND THE PSW SETBACK;
 - ANY USE OF THE MEADOW HABITAT ADJACENT TO FRO3 BY EASTERN MEADOWLARK (EAME): RECORD DATES, BEHAVIOR, AND NUMBERS OF FAME AND MAP LOCATIONS;
 - ESTIMATE NUMBERS OF COMMON MILKWEED PLANTS AND MAP LOCATIONS;
 - COUNT AND MAP MONARCHS PRESENT DURING MONITORING VISITS;
 - A BASELINE YEAR OF MONITORING SHALL OCCUR THE YEAR FOLLOWING TOPSOIL STRIPPING IN THE PHASE 1B AREA;
 - ANNUAL MONITORING SHALL OCCUR AS SOON AS TOPSOIL STRIPPING OCCURS WITHIN 150m OF THE NORTHERN SETBACK FROM PSW/SWH;
 - ANNUAL MONITORING SHALL CONTINUE DURING THE PHASE 1B AND 1C EXTRACTION AND SHALL CONTINUE UNTIL THE SOUTHERN PHASE 1B AREA AND THE ENTIRE PHASE 1C AREA HAVE BEEN PROGRESSIVELY REHABILITATED, WITH THE EXCEPTION OF PRODUCTION WATER AND SETTLING PONDS; AND
 - MONITORING OF THE EFFECTIVENESS OF THE TREE AND SHRUB MANAGEMENT TO MAINTAIN SUNNY TURTLE NESTING AREAS SHALL BE REPORTED IN EACH ANNUAL REPORT.
 - EVERY 3 YEARS A MONITORING VISIT SHOULD BE MADE TO THE TURTLE NESTING AREA TO DETERMINE IF ANY TREES OR SHRUBS SHOULD BE REMOVED TO ENSURE THE LONG TERM AVAILABILITY OF OPEN SUNNY HABITAT WHERE TURTLE NESTING WOULD BE SUCCESSFUL. ANY TREE OR SHRUB REMOVALS SHOULD BE COMPLETED USING HAND TOOLS TO ENSURE THAT NESTING SUBSTRATES ARE NOT COMPACTED BY HEAVY EQUIPMENT.
 - EVERY 5 YEARS, TWO MONITORING VISITS (ONE IN EARLY AND ONE IN LATE JULY) SHOULD BE CONDUCTED TO COUNT AND MAP NUMBERS OF TURTLE NESTS. A BRIEF REPORT SHOULD BE SUBMITTED WHICH DOCUMENTS THE NEST MONITORING RESULTS.
 - AN ANNUAL DATA SUMMARY AND INTERPRETATION REPORT WOULD BE PREPARED AND PROVIDED TO THE CLIENT, MNR, GREY COUNTY AND THE SAUGEEN QUARRY NATION DURING YEARS WHEN MONITORING IS SPECIFIED.
 - NOISE STUDY NOTES
 - THE SOUND EMISSIONS OF ALL CONSTRUCTION EQUIPMENT INVOLVED IN SITE PREPARATION AND REHABILITATION ACTIVITIES SHALL COMPLY WITH THE SOUND LEVEL LIMITS SPECIFIED IN THE MECP PUBLICATION NPC-115 "CONSTRUCTION EQUIPMENT".
 - NEW EQUIPMENT TECHNOLOGY OR DIFFERENT CONFIGURATIONS MAY ALLOW PROPOSED CHANGES TO ANY PORTION OF THE EXTRACTION AND PROCESSING OPERATIONS INCLUDING ADDITIONAL EQUIPMENT TO OPERATE ON THE SITE, EQUIPMENT TO BE SUBSTITUTED, AND/OR DIFFERENT BERM HEIGHTS, WHILE STILL MEETING THE APPLICABLE SOUND LEVEL LIMITS. CHANGES MAY BE PERMITTED TO THE SITE OPERATIONS AND NOISE CONTROLS PROVIDED THAT THE CHANGES STILL MEET THE SOUND LEVEL LIMITS, AS CONFIRMED THROUGH DOCUMENTATION PREPARED BY A PROFESSIONAL ENGINEER SPECIALIZING IN NOISE CONTROL. PRIOR TO ANY MODIFICATION, THE LICENSEE SHALL CONSULT WITH MNR WHETHER A SITE PLAN AMENDMENT IS REQUIRED TO PERMIT THOSE PROPOSED CHANGES.
 - AN ACOUSTIC BARRIER IS REQUIRED TO BE SOLID, WITH NO GAPS OR OPENING, AND SHALL SATISFY A MINIMUM AREA DENSITY OF 20 KG/M². IT COULD TAKE THE FORM OF A PIT FACE, STOCKPILE, ACOUSTIC FENCE, ISO CONTAINERS, A COMBINATION OF THESE, OR ANY CONSTRUCTION SATISFYING THE REQUIREMENTS OF AN ACOUSTIC BARRIER.
 - EXTRACTION AND PROCESSING EQUIPMENT SHALL OPERATE AT THE PIT FLOOR ELEVATION IN EACH PHASE.
 - PRIOR TO OPERATION OF THE CENTRAL PLANT, THE PLANT SHALL BE LOCATED IN THE PROCESSING AREA AS DESIGNATED ON THE OPERATION PLAN AT A PIT FLOOR ELEVATION 394 MASL AND SHALL REMAIN IN THIS AREA FOR PHASES 1B THROUGH 6.
 - PRIOR TO OPERATION OF THE PORTABLE PROCESSING PLANT, AN ACOUSTICAL BARRIER SHALL BE ESTABLISHED WITHIN 30m OF THE PORTABLE PLANT, BETWEEN THE PORTABLE PLANT AND RECEPTORS NOTED IN THE NOISE ASSESSMENT REPORT.
 - NOISE EMISSIONS OF OPERATIONAL EQUIPMENT SHALL BE LIMITED TO THOSE INCLUDED IN ACOUSTICS NOISE IMPACT STUDY DATED JANUARY 18th, 2024. THE NOISE EMISSIONS OF CONSTRUCTION EQUIPMENT SUCH AS THOSE USED IN SITE PREPARATION AND REHABILITATION SHALL BE LIMITED TO THOSE OUTLINED IN MECP PUBLICATION NPC-115.
 - AIR QUALITY ASSESSMENT NOTES
 - THE PIT MUST OPERATE IN ACCORDANCE WITH THE OPERATING STANDARDS PERTAINING TO DUST OUTLINED IN SECTION 0.12 (2) ONTARIO REGULATION 244/97, WHICH INCLUDE:
 - THE LICENSEE OR PERMITTEE SHALL APPLY WATER OR ANOTHER PROVINCIALLY APPROVED DUST SUPPRESSANT TO INTERNAL HAUL ROADS AND PROCESSING AREAS, AS NECESSARY TO MITIGATE DUST, IF THE PIT OR QUARRY IS LOCATED WITHIN 1000 METRES OF A SENSITIVE RECEPTOR.
 - THE LICENSEE OR PERMITTEE SHALL EQUIP ANY PROCESSING EQUIPMENT THAT CREATES DUST WITH DUST SUPPRESSANT OR COLLECTION DEVICES IF IT IS LOCATED WITHIN 300 METRES OF A SENSITIVE RECEPTOR.
 - THE LICENSEE OR PERMITTEE SHALL OBTAIN AN ENVIRONMENTAL COMPLIANCE APPROVAL UNDER THE ENVIRONMENTAL PROTECTION ACT WHERE REQUIRED TO CARRY OUT OPERATIONS AT THE PIT OR QUARRY.
 - THE SITE WILL OPERATE IN ACCORDANCE WITH TEESWATER'S BEST MANAGEMENT PRACTICES PLAN FOR THE CONTROL OF FUGITIVE DUST EMISSIONS, WHICH MAY BE AMENDED FROM TIME TO TIME, CONSIDERING ACTUAL IMPACTS AND OPERATIONAL CONSIDERATIONS. THE RECOMMENDATIONS IN THE BMP ARE BASED ON THE MAXIMUM DAILY PRODUCTION RATES, AT LOWER PRODUCTION RATES, THE CONTROL MEASURES SPECIFIED IN THE BMP CAN BE REDUCED ACCORDINGLY, PROVIDED DUST REMAINS MITIGATED ON SITE.



NOTES:

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- ELEVATIONS ON THIS PLAN ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 1929 (CGVD29) BY CONVERTING ELLIPSOIDAL HEIGHTS TO ORTHOMETRIC ELEVATIONS USING THE HTV2.0(2010) GEOID MODEL PROVIDED BY NATURAL RESOURCES CANADA.

APPLICANT:
 TEESWATER CONCRETE LTD.
 1201 BRUCE ROAD 6
 P.O. BOX 24
 SOUTH BRUCE, ONTARIO
 N0G 2S0

APPLICANT'S SIGNATURE: _____
 DATE: 05/17/2024

BENCHMARK 1 ELEV. - 397.12m
 TOP OF CASING ON MONITORING WELL (MW3) LOCATED IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.

BENCHMARK 2 ELEV. - 400.73m
 TOP OF CASING ON MONITORING WELL (MW4) LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY.

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.

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PROPOSED AGGREGATE PIT

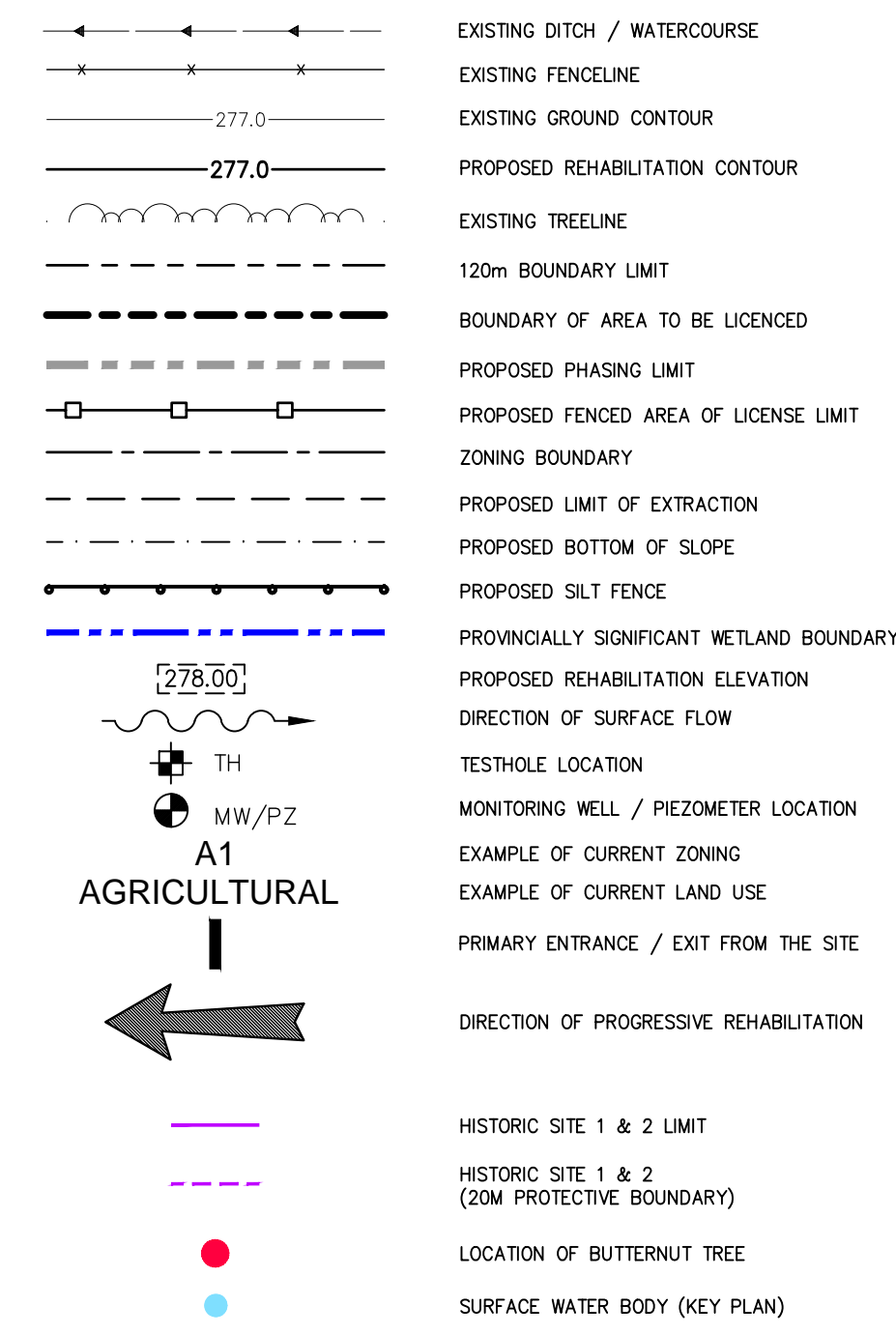
TEESWATER CONCRETE LTD.

PART LOT 19 & LOT 20 CONCESSION 1, PART LOT 46, CONCESSION 2

MUNICIPALITY OF WEST GREY, GEOGRAPHIC TOWNSHIP OF NORMANBY

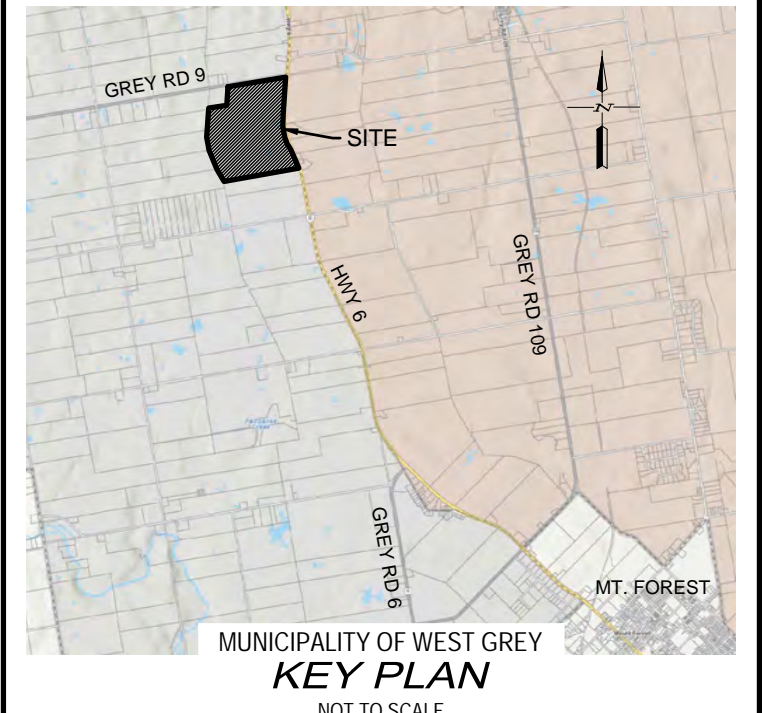
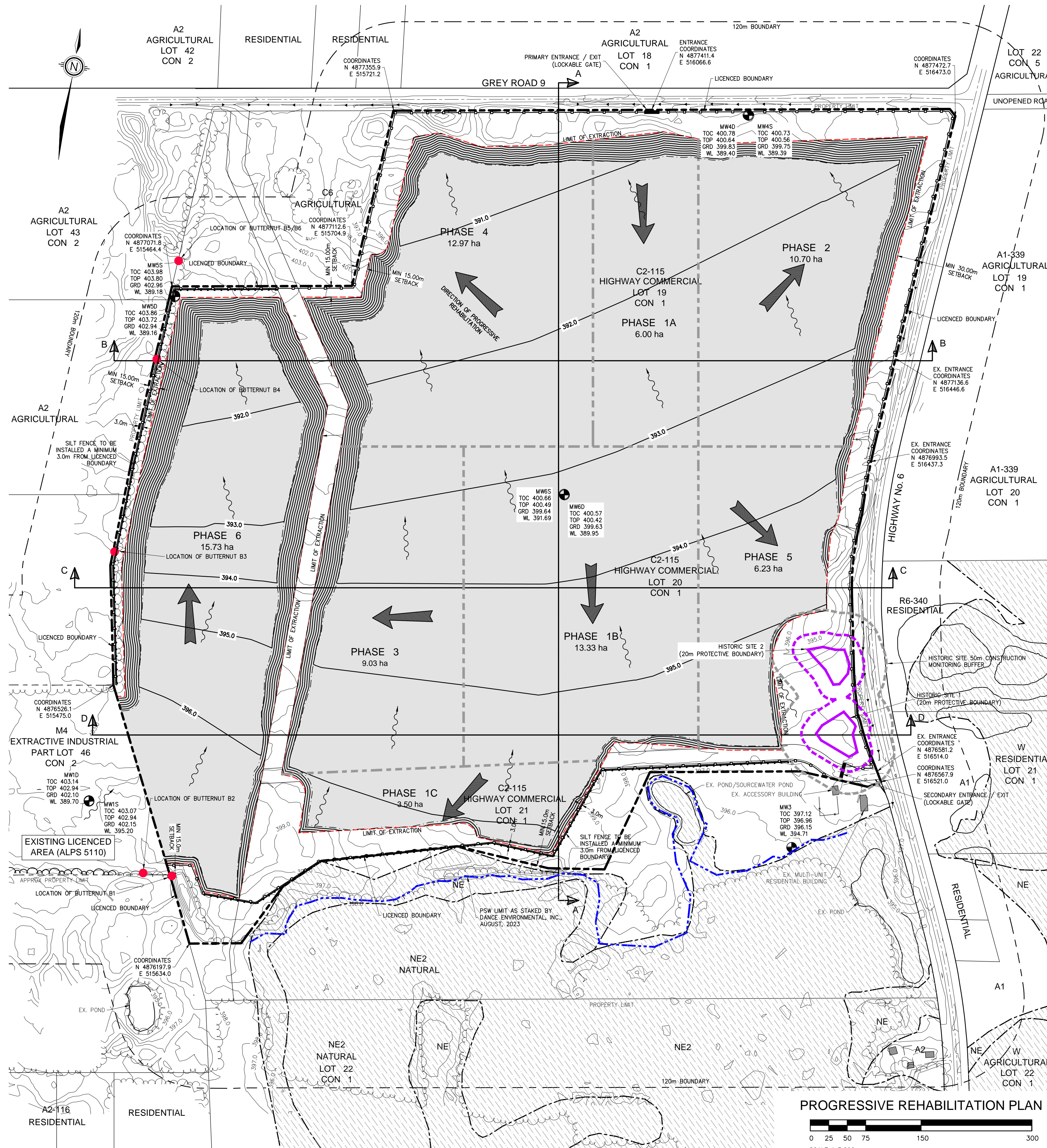
DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
E.J.T.	M.D.N.	218045-1	2B
DESIGNED BY:	DATE:	SCALE:	
E.J.T.	APR 19, 2024	1:3,000	

LEGEND



NOTES:

- PROGRESSIVE REHABILITATION SHALL COMMENCE AS PHASE 2 NEARS COMPLETION.
- REHABILITATION OPERATIONS SHALL PROCEED AS SHOWN ON THE PLAN.
- SLOPE REHABILITATION SHALL FOLLOW THE EXTRACTION OPERATIONS.
- PHASE 1B SHALL BE USED AS A PROCESSING PLANT, EQUIPMENT STORAGE, AND AGGREGATE STOCKPILING AREA.
- PHASE 1B AND 1C SHALL CONTAIN A SERIES OF WASH PONDS AND SETTLING PONDS.
- FOLLOWING 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 0.2m.
- 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 32 ha WILL REMAIN OPEN AT ONE TIME WITH THE EXCEPTION OF PHASE 1A, 1B AND 1C.
- ALL TOPSOIL AND OVERBURDEN PLACED IN BERMS AND STOCKPILES ON-SITE SHALL BE USED IN THE REHABILITATION 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.
- 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 PROGRESSIVE REHABILITATION PLAN).
 - TOP DRESSING TO ESTABLISH VEGETATION.
- 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 1,100,000 m³.
- THE LICENSEE SHALL ENSURE THAT THE ACCEPTANCE AND REUSE OF EXCESS SOIL IMPORTED FOR REHABILITATION PURPOSES IS COMPLIANT WITH PART I: 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 SOIL ACROSS THE LICENCED AREA WAS OBSERVED TO BE BETWEEN APPROXIMATELY 0.1m AND 0.3m. TOPSOIL STRIPPED DURING PIT OPERATIONS SHALL BE REPLACED ON THE PIT FLOOR AND SIDE SLOPES TO A MINIMUM THICKNESS OF 0.2m 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.
- 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 HAIL ROADS AND PROCESSING AND EQUIPMENT STORAGE AREAS ARE TO BE REHABILITATED TO NON-COMPACTED SUBSOILS UNDERLYING TOPSOIL WITH THE EXCEPTION OF THE SOUTHERN EXISTING ACCESS ROADWAY, WHICH HAS HISTORICALLY BEEN USED AS AN EXISTING INTERNAL ACCESS ROADWAY FOR AGRICULTURAL OPERATIONS.



- NOTES:**
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APPLICANT:
TEESWATER CONCRETE LTD.
1201 BRUCE ROAD 6
P.O. BOX 24
SOUTH BRUCE, ONTARIO
N0G 2S0

APPLICANT'S SIGNATURE: *[Signature]*
DATE: 05/17/2024

BENCHMARK 1 ELEV. - 397.12m
TOP OF CASING ON MONITORING WELL (MW3) LOCATED IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.

BENCHMARK 2 ELEV. - 400.73m
TOP OF CASING ON MONITORING WELL (MW4) LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY.

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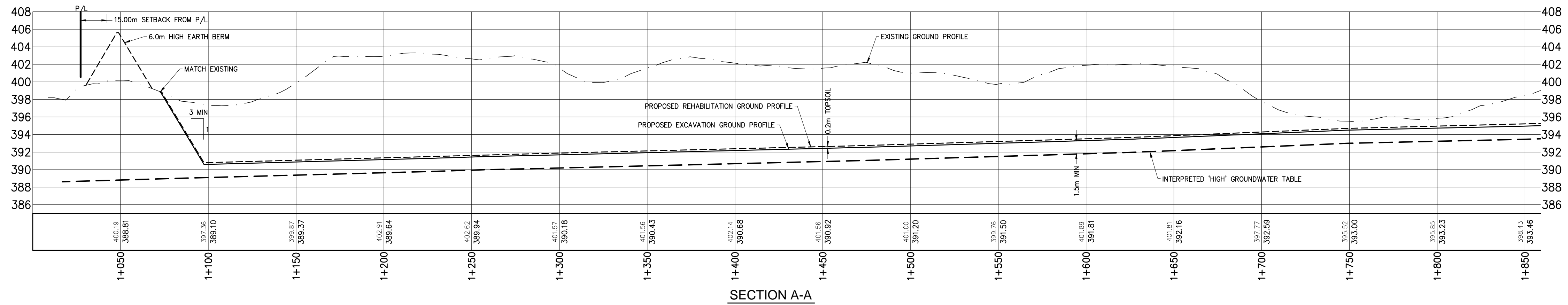


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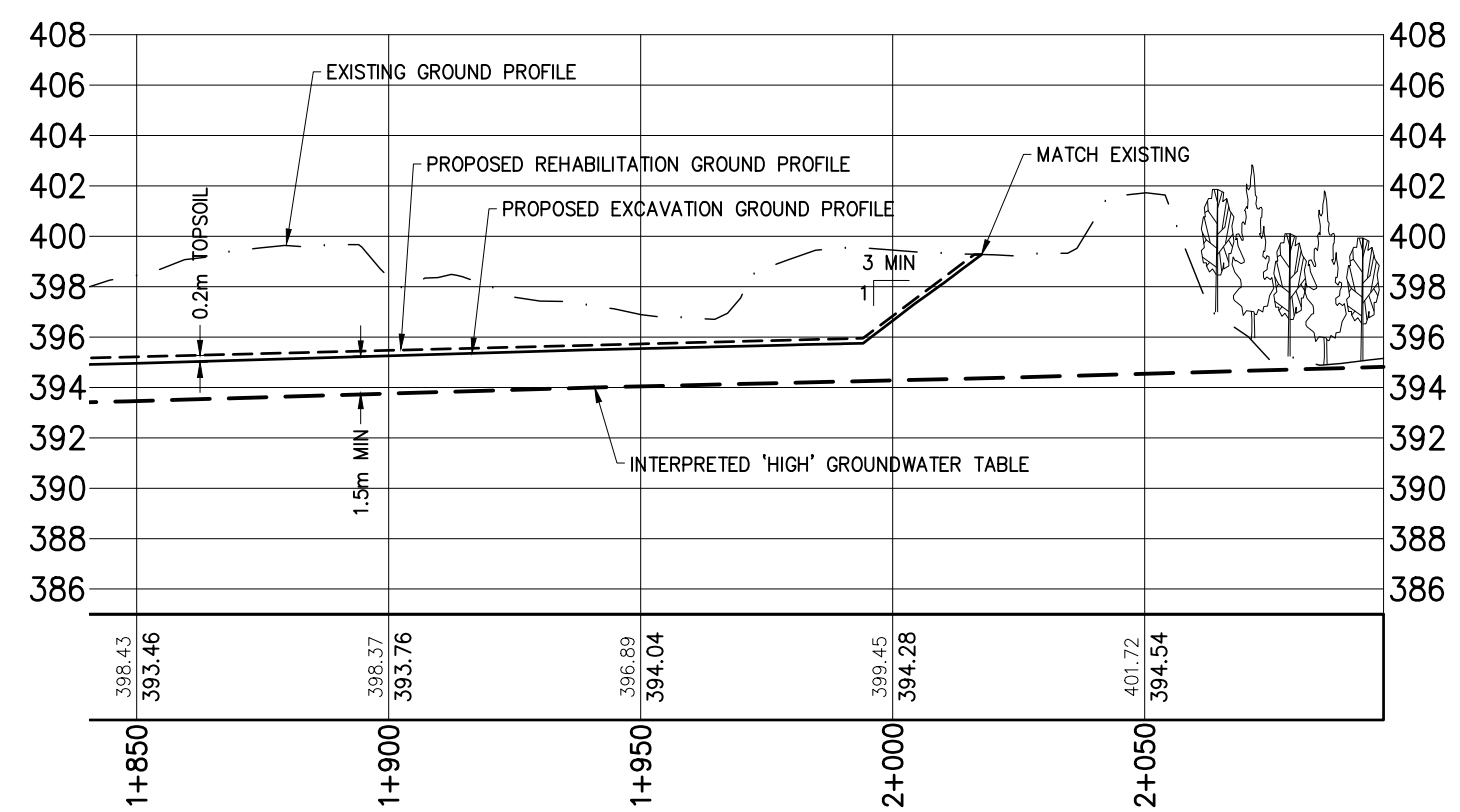
PROPOSED AGGREGATE PIT
TEESWATER CONCRETE LTD.
PART LOT 19 & LOT 20 CONCESSION 1, PART LOT 22 CONCESSION 2
MUNICIPALITY OF WEST GREY, GEOGRAPHIC TOWNSHIP OF NORMANBY

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
E.J.T.	M.D.N.	218045-1	3
DESIGNED BY:	DATE:	SCALE:	
E.J.T.	APR 19, 2024	1:3,000	

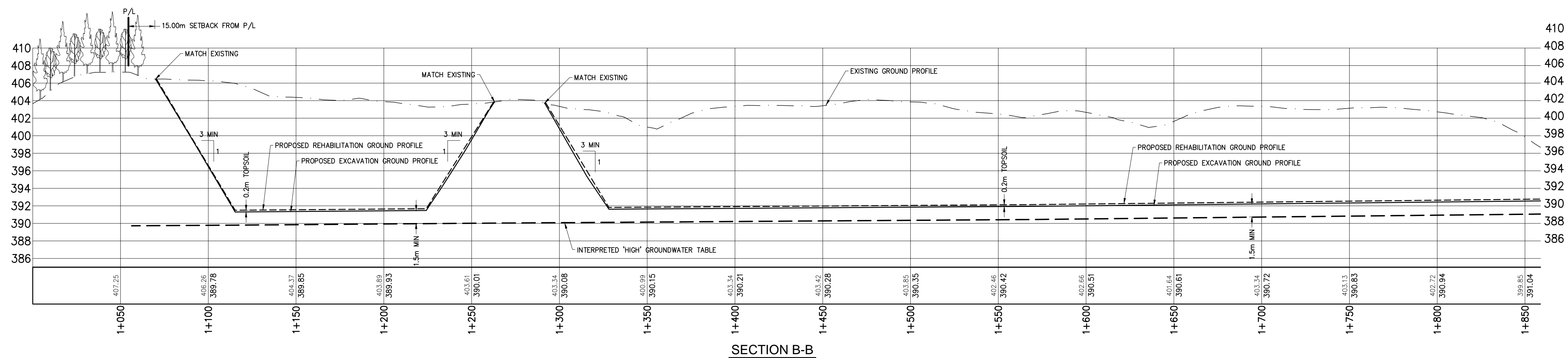
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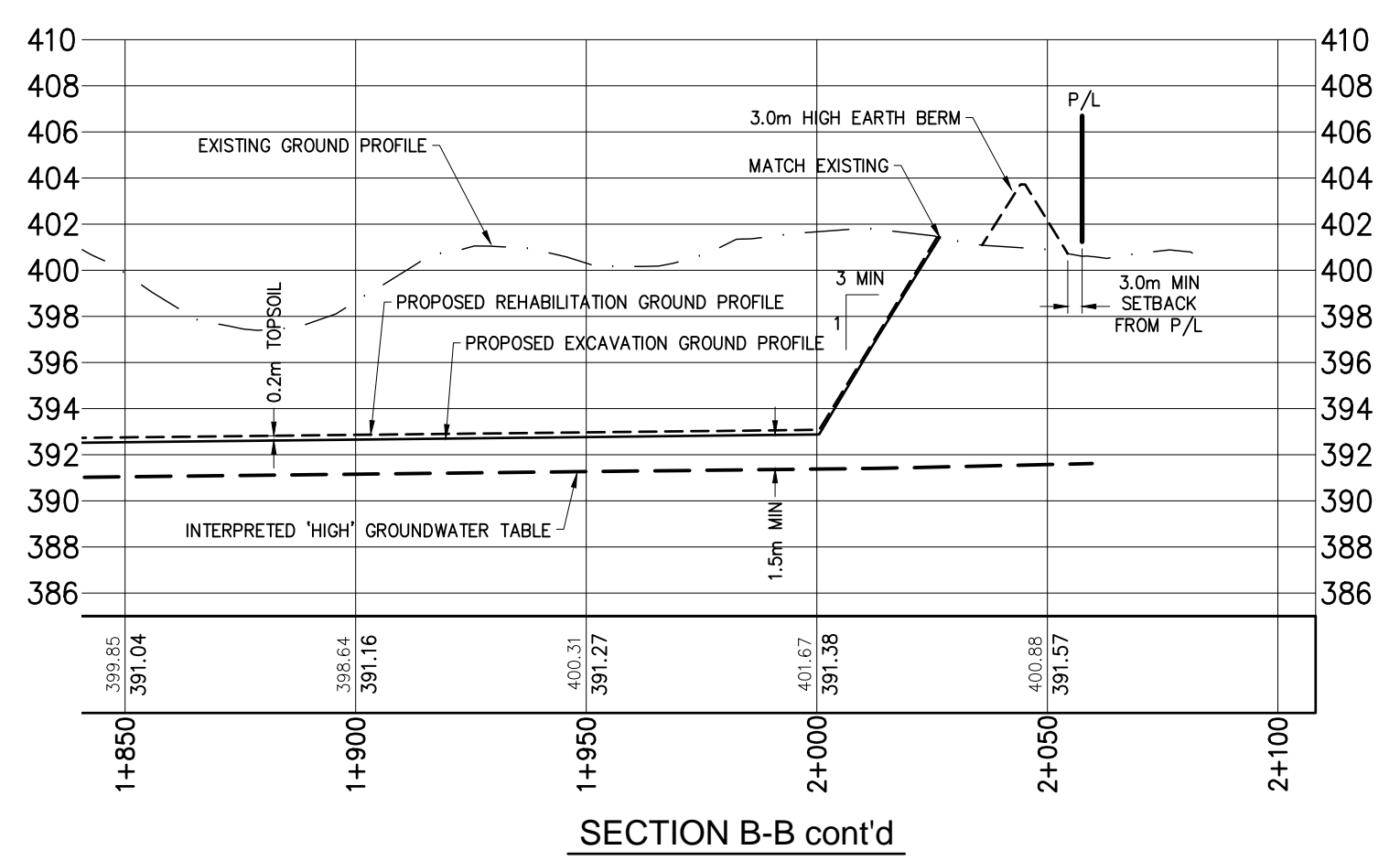
SECTION A-A



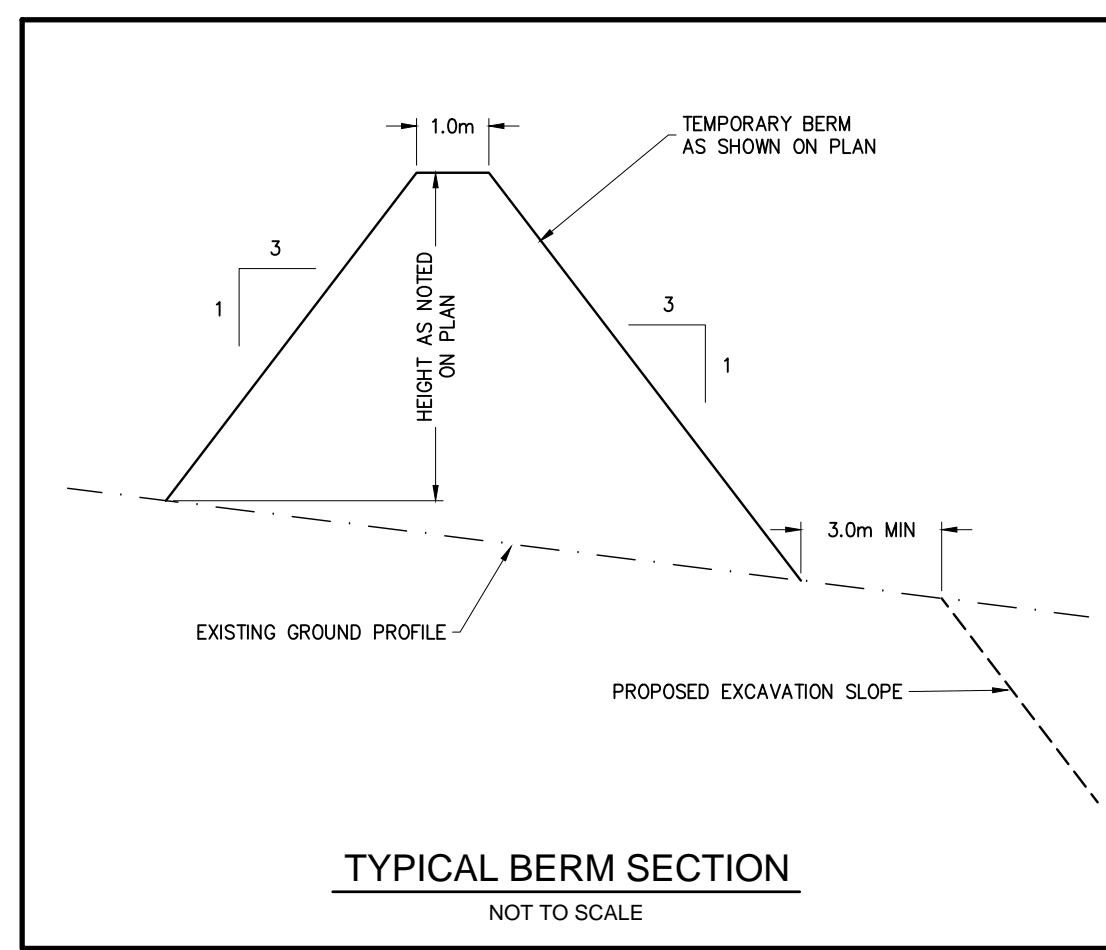
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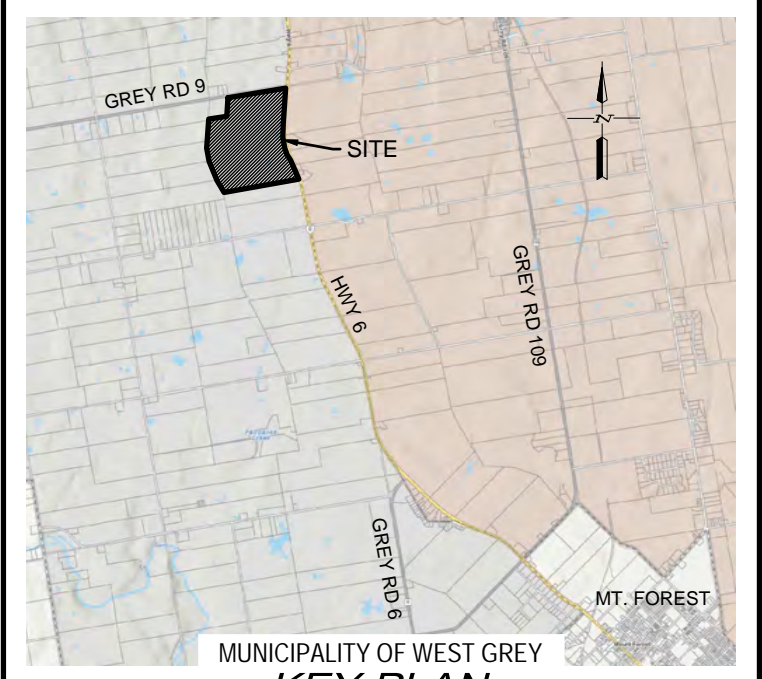
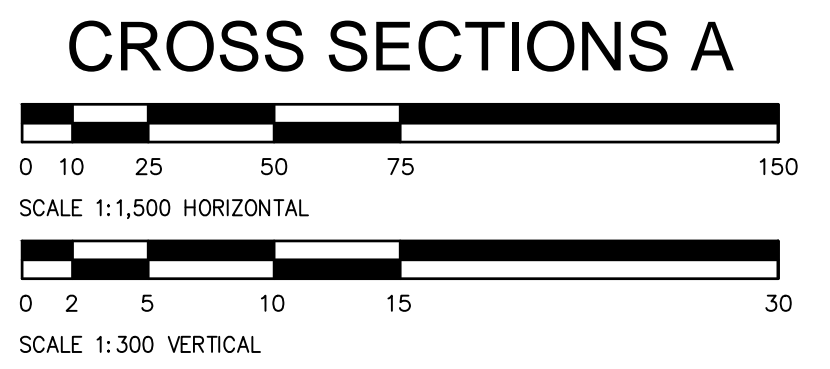
SECTION B-B



SECTION B-B cont'd



LEGEND
 400.47
 394.39
 EXISTING GROUND ELEVATION
 INTERPRETED 'HIGH' GROUNDWATER ELEVATION



- NOTES:
1. TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED, APRIL 26, 2023.
 2. COORDINATES ON THIS PLAN ARE ADJUSTED GROUND COORDINATES DERIVED FROM GRID COORDINATES OF THE UTM 17N NAD83(CRS-V7) COORDINATE SYSTEM AND ARE BASED ON OBSERVATIONS FROM A NETWORK OF PERMANENT GPS/GNSS REFERENCE STATIONS.
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APPLICANT:
 TEESWATER CONCRETE LTD.
 1201 BRUCE ROAD 6
 P.O. BOX 24
 SOUTH BRUCE, ONTARIO
 NOG 2S0

APPLICANT'S SIGNATURE
 DATE: 05/17/2024

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 TEL: 519-376-1800 www.gmblueplan.ca

PROPOSED AGGREGATE PIT

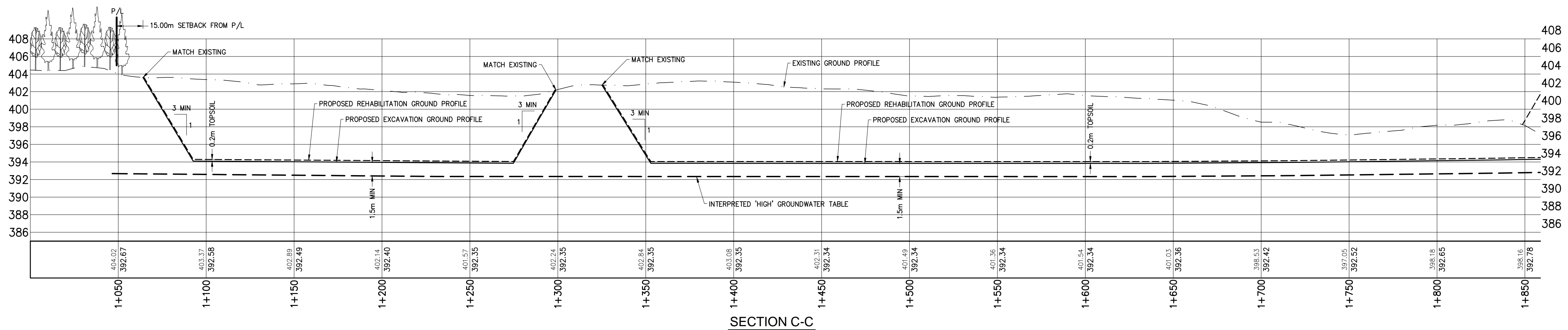
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PART LOT 19 & LOT 20 CONCESSION 1,
 PART LOT 46, CONCESSION 2

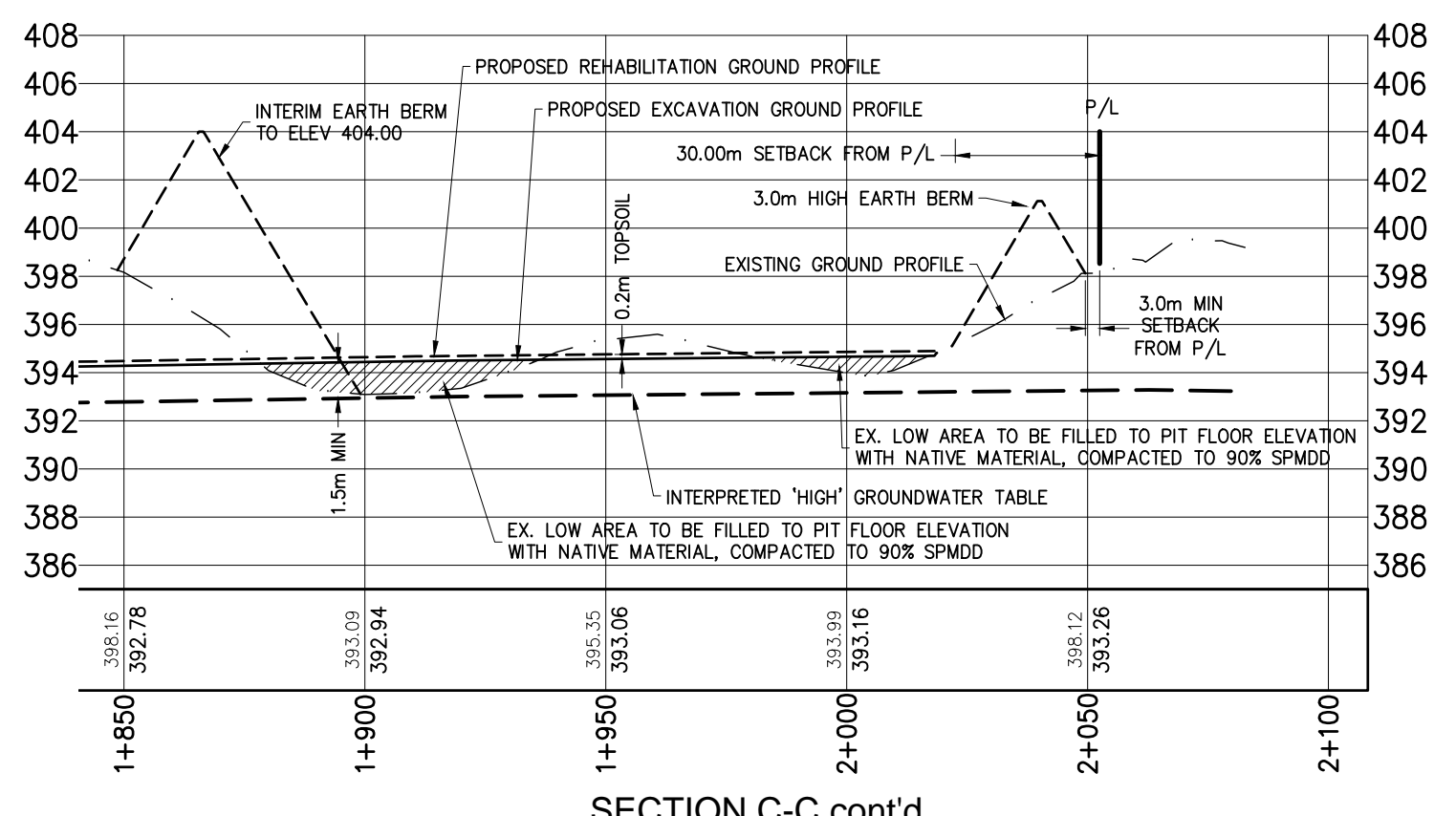
MUNICIPALITY OF WEST GREY,
 GEOGRAPHIC TOWNSHIP OF NORMANBY

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
E.J.T.	M.D.N.	218045-1	4
DESIGNED BY:	DATE:	SCALE:	
E.J.T.	APR 19, 2024	AS NOTED	

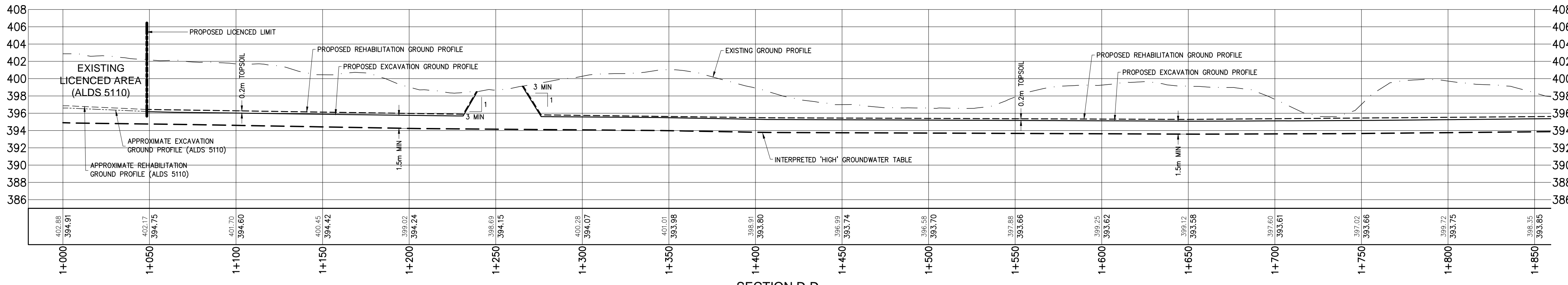
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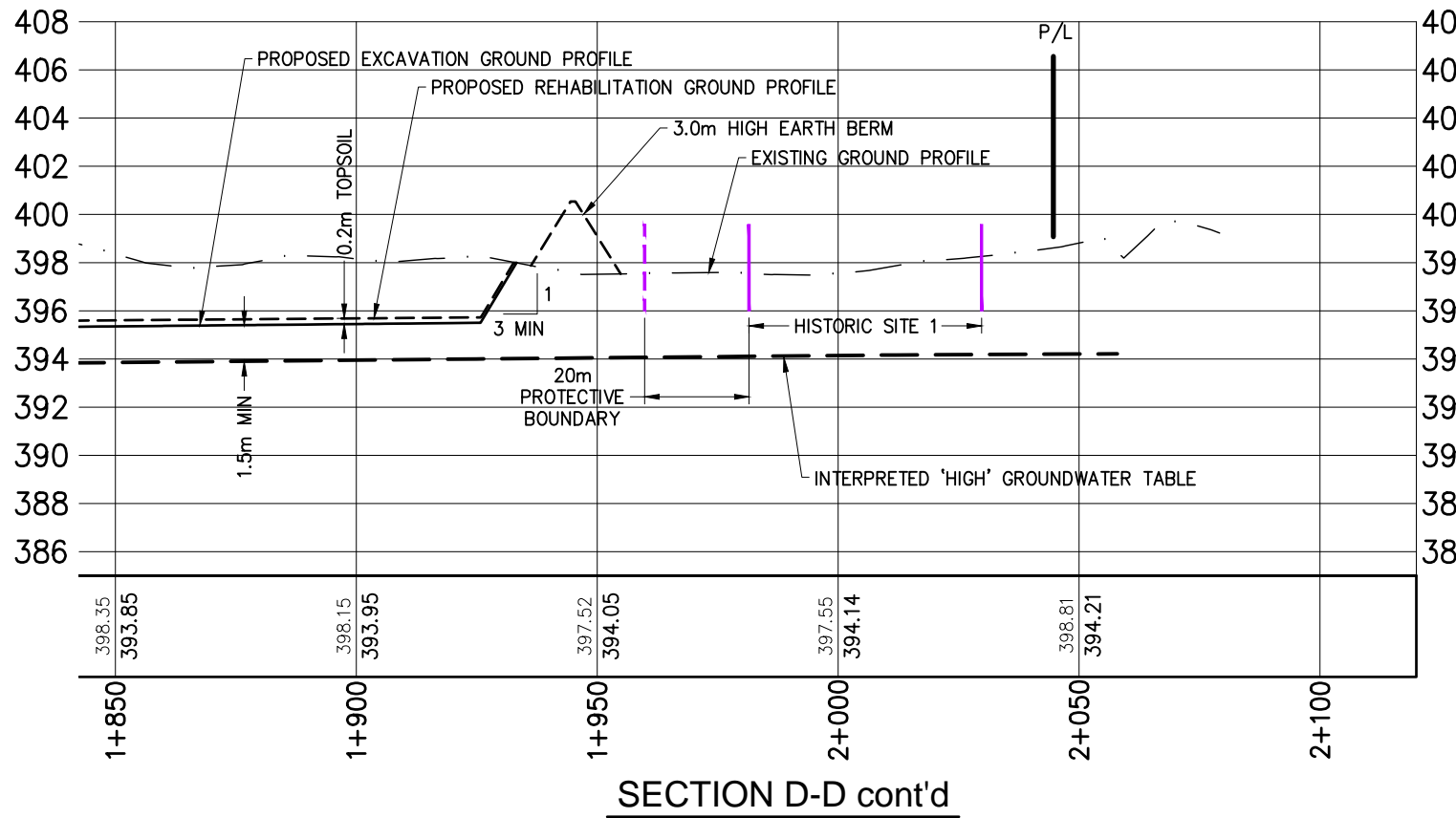
SECTION C-C



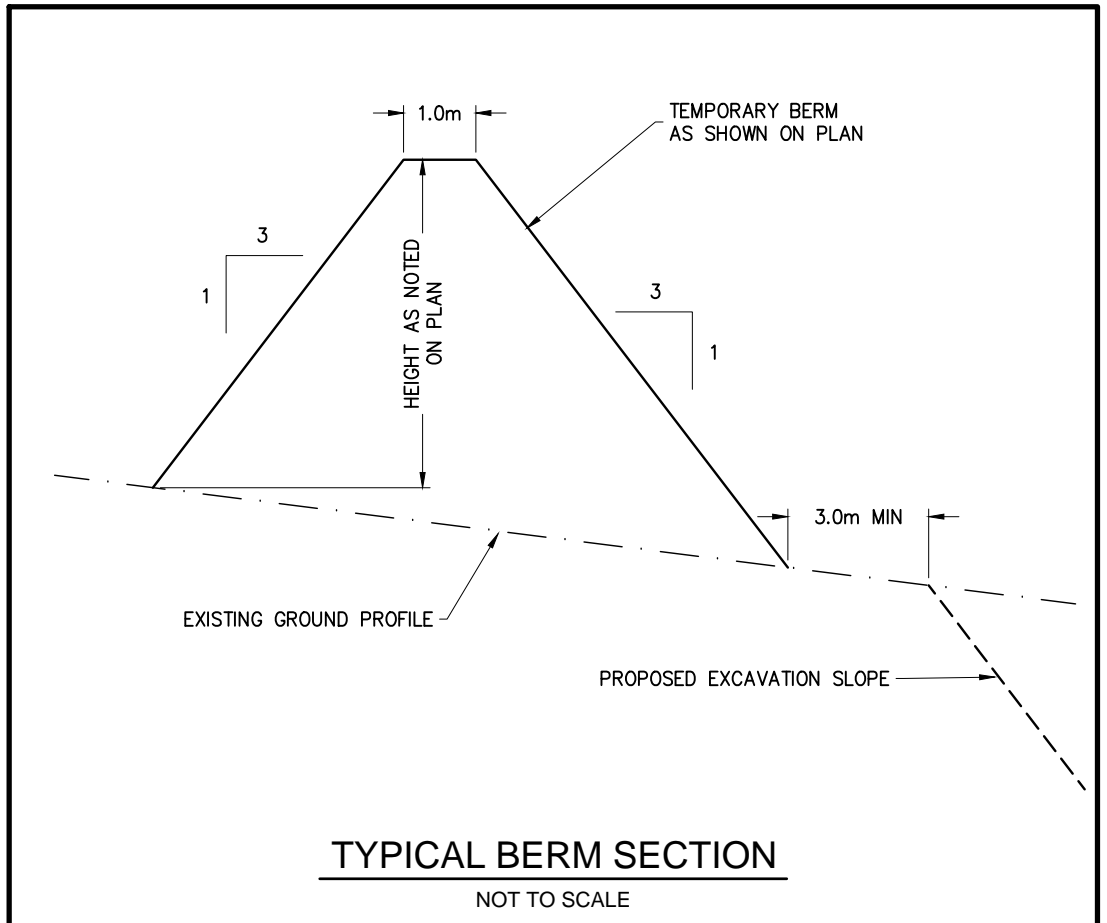
SECTION C-C cont'd



SECTION D-D



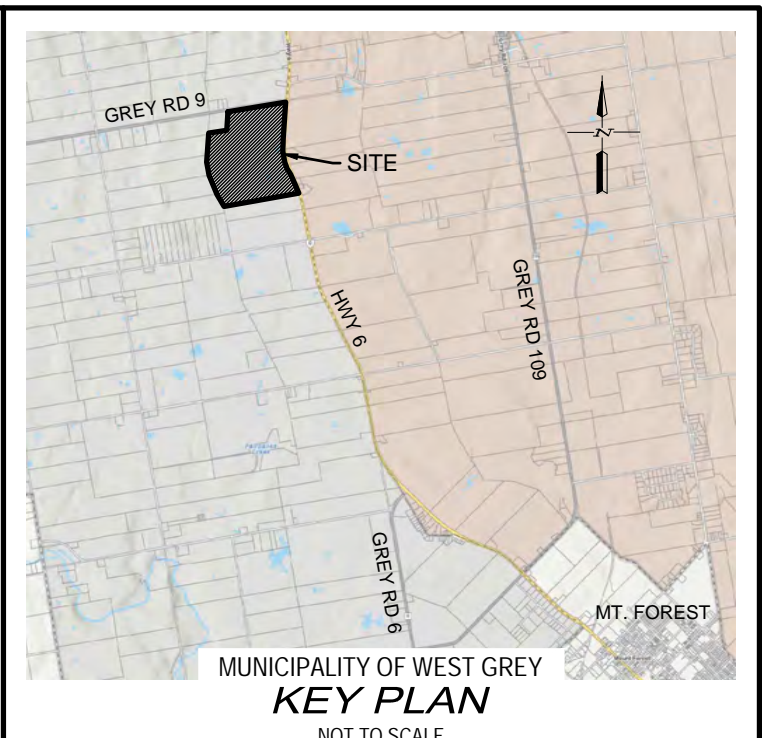
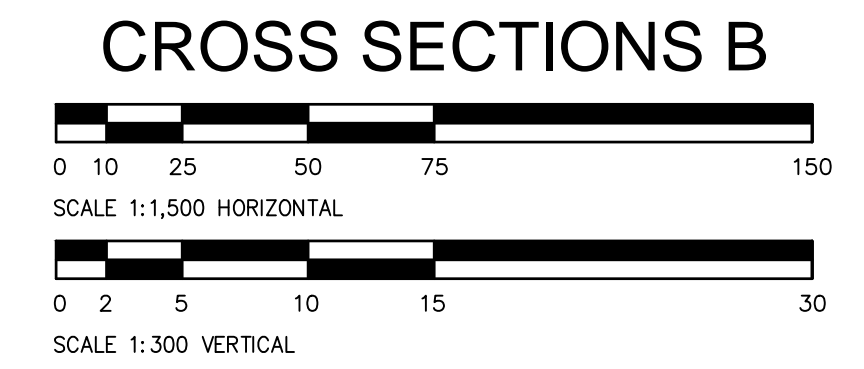
SECTION D-D cont'd



TYPICAL BERM SECTION
NOT TO SCALE

LEGEND

—	EXISTING GROUND ELEVATION
- - -	INTERPRETED 'HIGH' GROUNDWATER ELEVATION
—	HISTORIC SITE 1 & 2 LIMIT
- - -	HISTORIC SITE 1 & 2 (20M PROTECTIVE BOUNDARY)



NOTES:

1. TOPOGRAPHIC SURVEY CONDUCTED BY GM BLUEPLAN ENGINEERING LIMITED, APRIL 25, 2023.
2. COORDINATES ON THIS PLAN ARE ADJUSTED GRID COORDINATES DERIVED FROM GRID COORDINATES OF THE UTM 17N NAD83(CRS-V7) COORDINATE SYSTEM AND ARE BASED ON OBSERVATIONS FROM A NETWORK OF PERMANENT GPS/INSIS REFERENCE STATIONS.
3. ELEVATIONS ON THIS PLAN ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 1929 (CGVD29) BY CONVERTING ELLIPSOIDAL HEIGHTS TO ORTHOMETRIC ELEVATIONS USING THE HTV2.0(2010) GEOID MODEL PROVIDED BY NATURAL RESOURCES CANADA.

APPLICANT:
TEESWATER CONCRETE LTD.
1201 BRUCE ROAD 6
P.O. BOX 24
SOUTH BRUCE, ONTARIO
N0G 2S0

[Signature]
APPLICANT'S SIGNATURE

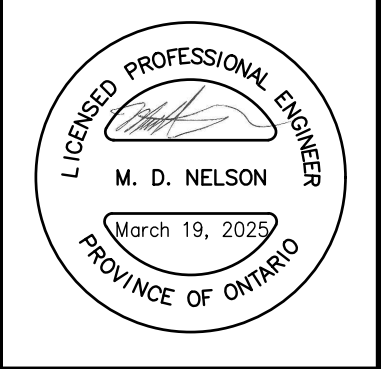
05/17/2024
DATE

BENCHMARK 1 ELEV. - 397.12m
TOP OF CASING ON MONITORING WELL (MW3) LOCATED IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.

BENCHMARK 2 ELEV. - 400.73m
TOP OF CASING ON MONITORING WELL (MW4) LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY.

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.



NO.	DATE	REVISION DESCRIPTION	CHKD
3	19/03/25	NOTES REVISED	MDN
2	24/02/25	REVISED PER MNR AND PLANNING COMMENTS	MDN
1	13/11/24	REVISED PER MNR AND SVCA COMMENTS	MDN



QUELPH | OWEN SOUND | LISTWELL | HITCHENER | LONDON | HAMILTON | GTA
1260 - 2ND AVENUE EAST, UNIT 1, OWEN SOUND, ON N4K 2J3
TEL: 519-376-1800 www.blueplan.ca

PROPOSED AGGREGATE PIT

TEESWATER CONCRETE LTD.

PART LOT 19 & LOT 20 CONCESSION 1,
PART LOT 46, CONCESSION 2

MUNICIPALITY OF WEST GREY,
GEOGRAPHIC TOWNSHIP OF NORMANBY

DRAWN BY: E.J.T.	APPROVED BY: M.D.N.	PROJECT NO.: 218045-1	DRAWING NO.:
DESIGNED BY: E.J.T.	DATE: APR 19, 2024	SCALE: 1:3,000	5

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LAST SAVED BY: E.J.T., 2024/05/17 10:00 AM, PLOTTED BY: E.J.T., 2024/05/17 10:00 AM