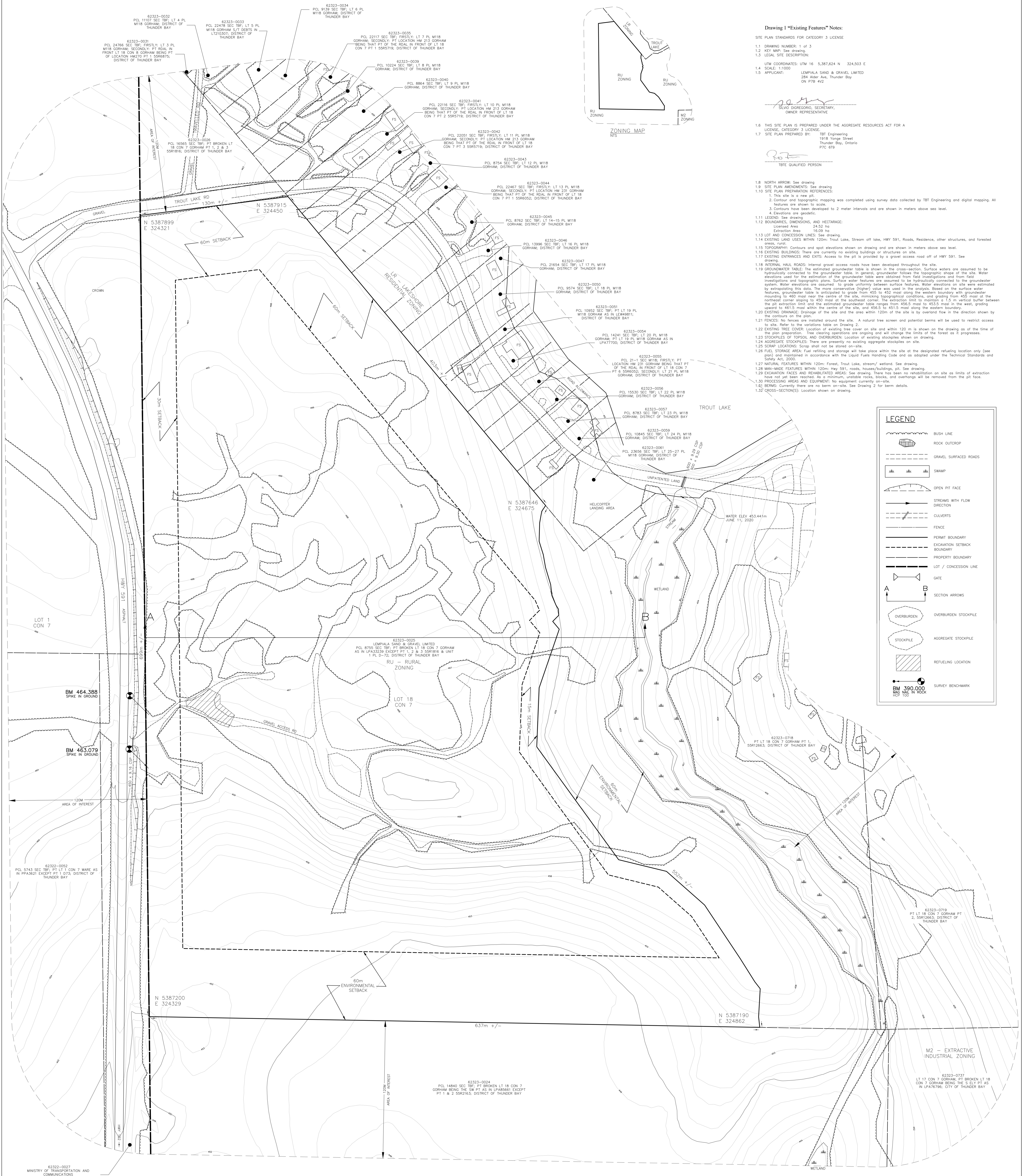
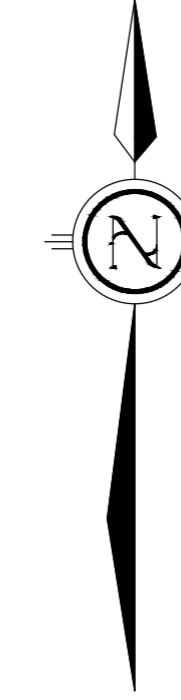
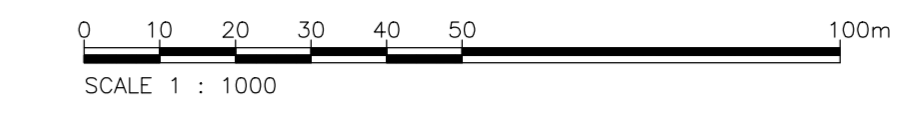


DECLARATION OF PURPOSE

THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CATEGORY 3 LICENSE

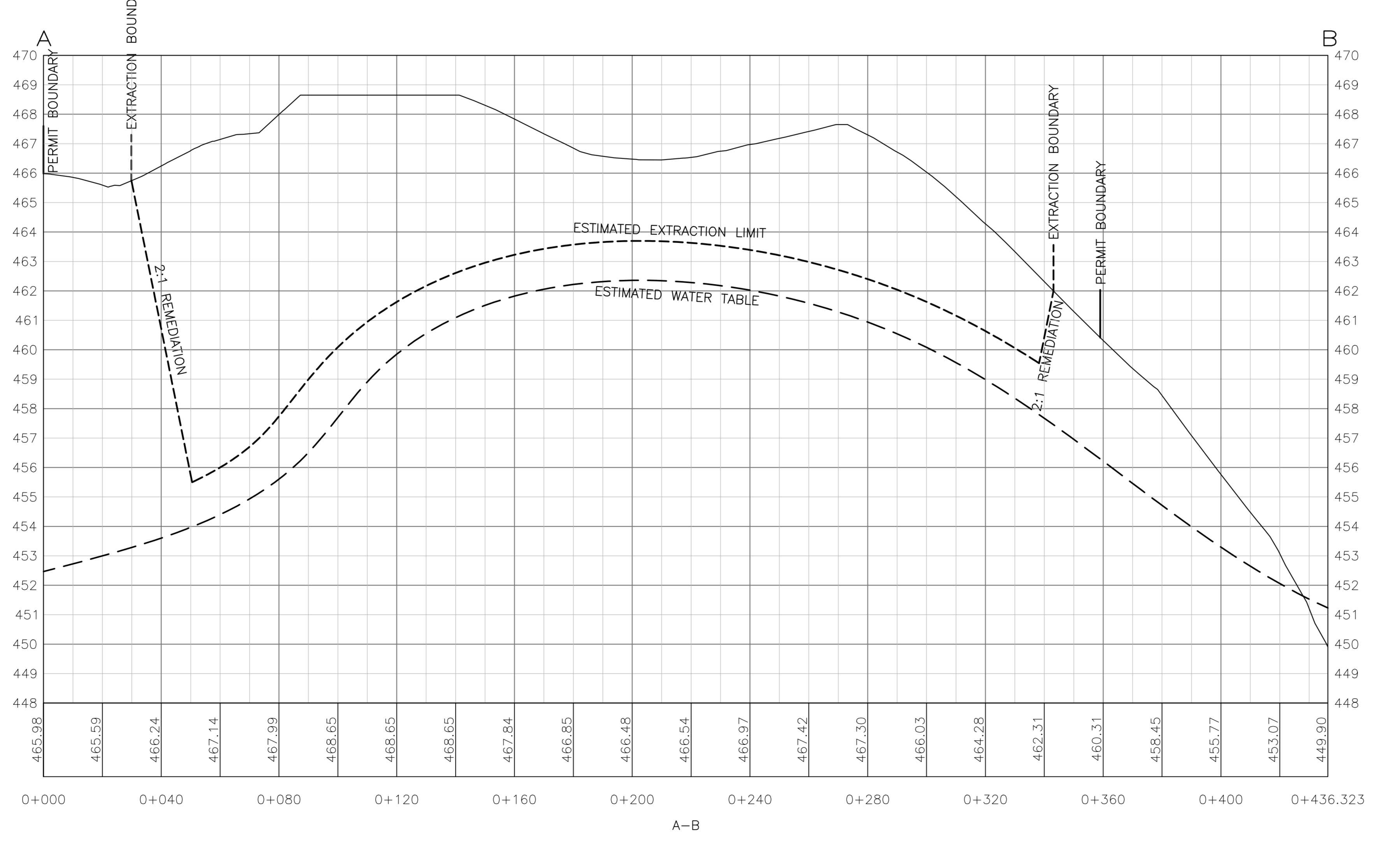
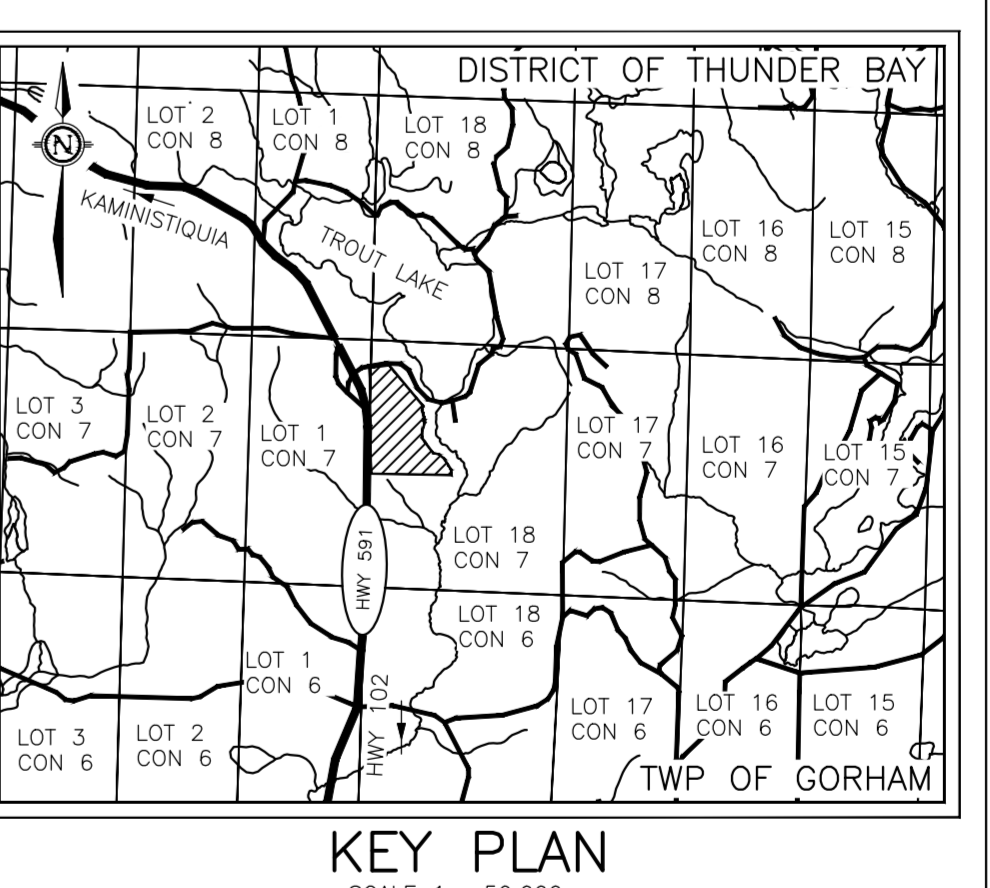
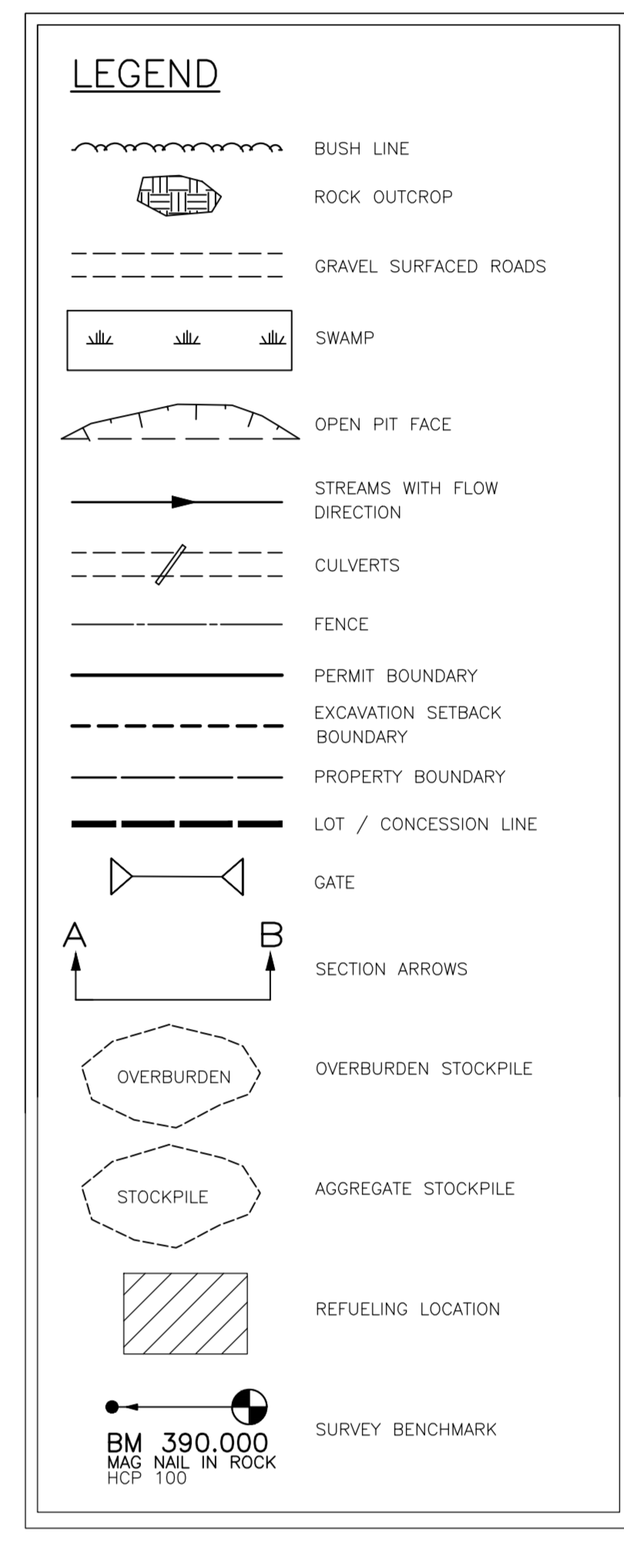
TOWNSHIP OF GORHAM DISTRICT OF THUNDER BAY

SCALE 1 : 1000



Drawing 1 - Existing Features' Notes:

- 1.1 DRAWING NUMBER: 1 of 1
1.2 KEY MAP: See drawing
1.3 LEGAL DESCRIPTION:
1.4 UTM COORDINATES: UTM 18 5387424 N 324503 E
1.5 SCALE: 1:1000
1.6 APPLICANT: LEMHALL SAND & GRAVEL LIMITED
1.7 PROJECT: TROUT LAKE AGGREGATE PIT
1.8 THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CATEGORY 3 LICENSE
1.9 SITE PLAN PREPARED BY: TBT Engineering
1.10 DATE: 2/8/2021
1.11 LEGEND: See drawing
1.12 EXISTING TOPOGRAPHY: Contours and spot elevations shown on drawing are based on existing topographic map and digital mapping.
1.13 EXISTING BUILDINGS: There are currently no existing buildings or structures on site.
1.14 EXISTING UTILITIES: There are currently no existing utilities on site.
1.15 EXISTING ENTRANCES AND EXITS: Access to the pit is provided by a gravel access road off of HWY 591.
1.16 EXISTING ROAD: HWY 591 is shown on the drawing as a gravel road.
1.17 EXISTING FENCES: There are currently no existing fences on site.
1.18 EXISTING TREES: There are currently no existing trees on site.
1.19 EXISTING WATER: There are currently no existing water features on site.
1.20 EXISTING UTILITIES: There are currently no existing utilities on site.
1.21 EXISTING ENTRANCES AND EXITS: Access to the pit is provided by a gravel access road off of HWY 591.
1.22 EXISTING ROAD: HWY 591 is shown on the drawing as a gravel road.
1.23 EXISTING FENCES: There are currently no existing fences on site.
1.24 EXISTING TREES: There are currently no existing trees on site.
1.25 EXISTING WATER: There are currently no existing water features on site.
1.26 EXISTING UTILITIES: There are currently no existing utilities on site.
1.27 EXISTING ENTRANCES AND EXITS: Access to the pit is provided by a gravel access road off of HWY 591.
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1.29 EXISTING FENCES: There are currently no existing fences on site.
1.30 EXISTING TREES: There are currently no existing trees on site.
1.31 EXISTING WATER: There are currently no existing water features on site.
1.32 EXISTING UTILITIES: There are currently no existing utilities on site.



Horizontal Datum: North American Datum 1983 (NAD 83) CSRS CBN66 - 2010.0
Vertical Datum: Elevations are ORTHOMETRIC and are derived from PPP Observations on BM 463.079.

NOTE: BEARINGS AS SHOWN ON THIS PLAN ARE GEODETIC. ELEVATIONS AS SHOWN ON THIS PLAN ARE ORTHOMETRIC. DISTANCES AND ELEVATIONS AS SHOWN ON THIS PLAN ARE IN METRES.

PLAN 1 OF 3

PROPERT... BOUNDARIES ARE SHOWN ON PLAN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR LAYOUT PURPOSES.

SCHEDULE OF AMENDMENTS table with columns: NO., DATE, DESCRIPTION, APPROVED.

APPROVED BY THE MINISTRY OF NATURAL RESOURCES... SIGNATURE: [Signature] DATE: 2/8/2021

TROUT LAKE AGGREGATE PIT APPLICANT: LEMHALL SAND & GRAVEL LIMITED 204 ASHBY AVE. THUNDER BAY, ON P7B 4V2

TBT ENGINEERING CONSULTING GROUP PROJECT NO. 20-237 DRAWING NO. Trout Lake 1-111 DATE: AUGUST 3 2020 SCALE: 1:1000 DRAWN: JVL CHECKED: C-J APPROVED: L.G.

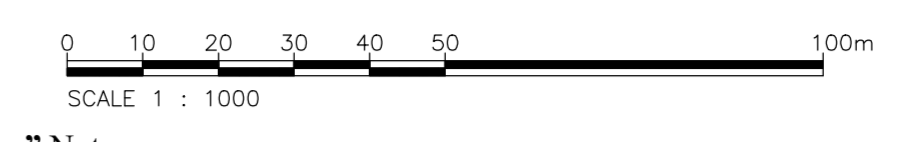
TBT ENGINEERING 1918 YONGE STREET THUNDER BAY, ON P7C 4T8 TELEPHONE (807) 624-5160 FAX (807) 624-5161

DECLARATION OF PURPOSE

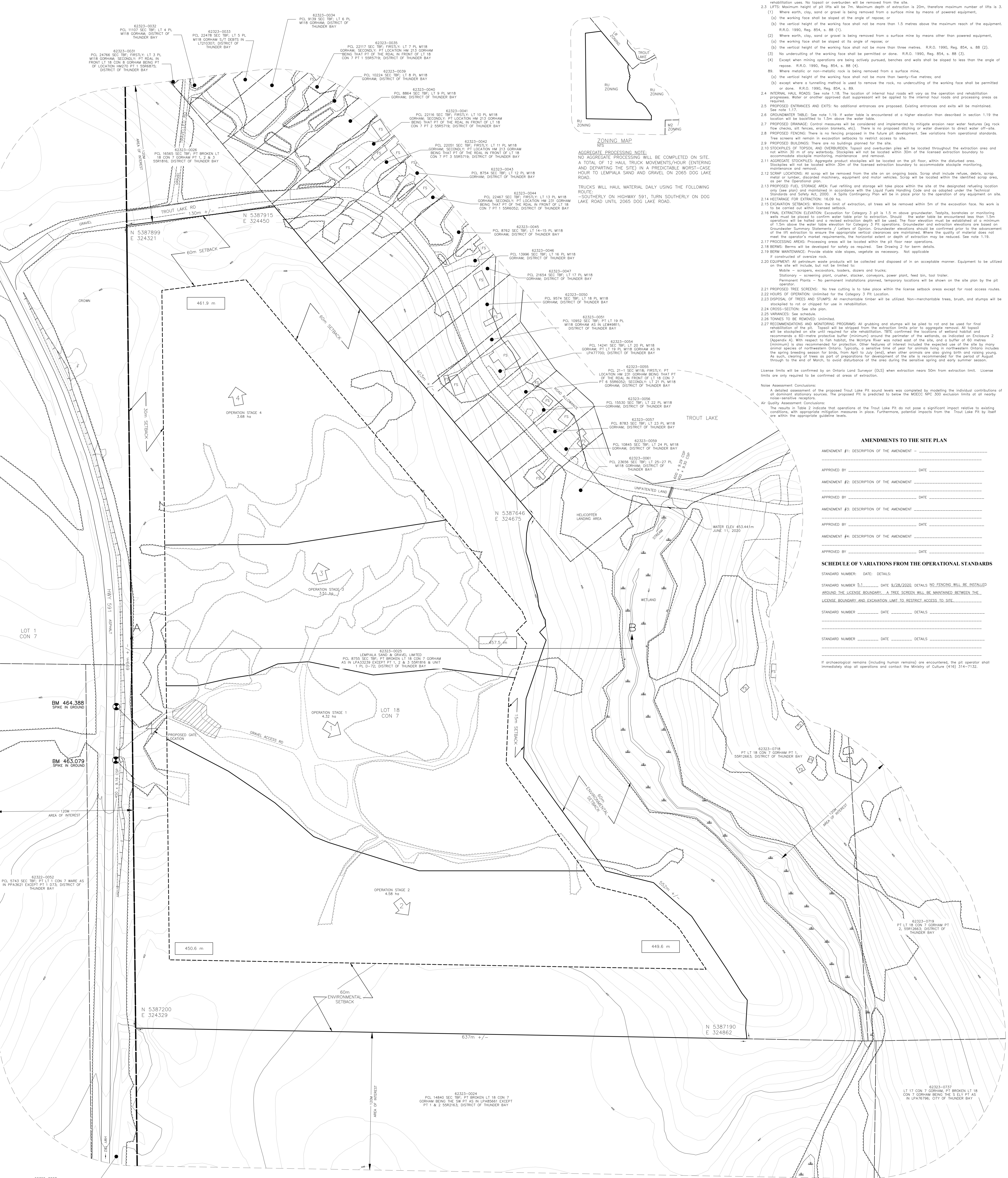
THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CATEGORY 3 LICENSE

TOWNSHIP OF GORHAM DISTRICT OF THUNDER BAY

SCALE 1 : 1000



- Drawing 2 (Operations) Notes:**
- 2.1 SITE DEVELOPMENT: Extraction will be performed on above ground.
 - 2.2 SLOPING AND STOCKPILE DETAILS: Fences and overburden will be placed sequentially and stockpiled on site for pit rehabilitation until the final overburden will be removed from the site.
 - 2.3 LITTLE: Maximum height of pit fill will be the maximum depth of extraction is 20m, therefore maximum surface of this is 5.
 - (1) Where earth, rock, sand or gravel is being removed from a surface area by means of licensed equipment.
 - (2) The working face shall be sloped at the angle of repose, or
 - (3) The vertical height of the working face shall not be more than 1.5 times above the maximum ratio of the equipment, R.R.S. 1990, Reg. 854, s. 88 (1).
 - (4) Where earth, rock, sand or gravel is being removed from a surface area by means other than licensed equipment, the working face shall be sloped at its angle of repose, or
 - (5) The vertical height of the working face shall not be more than three times, R.R.S. 1990, Reg. 854, s. 88 (2).
 - (6) No undercutting of the working face shall be permitted or done, R.R.S. 1990, Reg. 854, s. 88 (3).
 - (7) Except when mining operations are being actively pursued, benches and waste shall be exposed to less than the angle of repose, R.R.S. 1990, Reg. 854, s. 88 (4).
 - (8) Where metallic or non-metallic rock is being removed from a surface area, or
 - (9) The vertical height of the working face shall not be more than twenty-five times, and
 - (10) except where a shoring method is used to remove the rock, no undercutting of the working face shall be permitted or done, R.R.S. 1990, Reg. 854, s. 88 (5).
 - 2.4 INTERNAL PAVE ROADS: See note 1.10. The location of internal haul roads will vary as the operation and rehabilitation progresses. Where an internal haul road is proposed it will be placed to the extent that roads are not proposed unless as required.
 - 2.5 EXPOSED ENTRANCES AND EXITS: No additional entrances are proposed. Existing entrances and exits will be maintained, see note 1.11.
 - 2.6 GROUNDWATER TABLE: See note 1.10. If water table is encountered at a higher elevation than described in section 1.10 the location will be indicated on the plan.
 - 2.7 PROPOSED DRAINAGE: Control measures will be considered and implemented to mitigate erosion and water runoff (eg rock flow checks, silt fences, erosion blankets, etc.). There is no proposed draining or water diversion to avoid water on the site.
 - 2.8 PROPOSED FENCING: There is no fencing proposed in the future of development. See restriction from operational standards. The access will remain in accordance with the access to the site.
 - 2.9 PROPOSED BOUNDARIES: There are no boundaries proposed for the site.
 - 2.10 PROPOSED STOCKPILE: All stockpiles will be located throughout the extraction area and will be located within 30m of the licensed extraction boundary.
 - 2.11 ADDITIONAL STOCKPILE: Additional stockpiles will be located within 30m of the licensed extraction boundary.
 - 2.12 STOCKPILE LOCATION: All stockpiles will be removed from the site on an ongoing basis. Stockpiles shall include refuse, debris, some waste, and other materials, including overburden and waste material. Stockpiles will be located within the licensed extraction area.
 - 2.13 PROPOSED FUEL STORAGE AREA: Fuel refilling and storage will take place within the site at the designated refueling location (see note 1.10) and maintained in accordance with the local fuel handling Code and in relation to the Fuel Handling Standards and Safety Act, 2005. A Safety Contingency Plan will be in place prior to the operation of any equipment on site.
 - 2.14 EXISTING PAVEMENT: 15.00 m.
 - 2.15 EXISTING SETBACKS: Within the limit of extraction, all trees will be removed within 5m of the extraction face. No work is to be done within 5m of the extraction face. Any trees to be removed shall be removed prior to extraction. No work is to be done within 5m of the extraction face. Any trees to be removed shall be removed prior to extraction. No work is to be done within 5m of the extraction face. Any trees to be removed shall be removed prior to extraction.
 - 2.16 EXISTING UTILITIES: All existing utilities shall be maintained and protected throughout the operation. All existing utilities shall be maintained and protected throughout the operation. All existing utilities shall be maintained and protected throughout the operation.
 - 2.17 PROPOSED ADJACENT PROTECTIVE AREAS: All protective areas shall be maintained throughout the operation. All protective areas shall be maintained throughout the operation. All protective areas shall be maintained throughout the operation.
 - 2.18 BERM: Berms will be provided for safety as required. See Drawing 2 for berm details.
 - 2.19 BERM MAINTENANCE: Berms shall be maintained throughout the operation. Berms shall be maintained throughout the operation. Berms shall be maintained throughout the operation.
 - 2.20 EQUIPMENT: All equipment shall be maintained throughout the operation. All equipment shall be maintained throughout the operation. All equipment shall be maintained throughout the operation.
 - 2.21 PROPOSED TREE SCREENS: No tree cutting is to take place within the license setback areas except for road access routes.
 - 2.22 HOURS OF OPERATION: Limited for the Category 3 license location.
 - 2.23 DISPOSAL OF WASTE AND OILS: All materials removed will be placed in non-rehabilitated areas, berms, and slimes will be recycled to pit or stored for use in rehabilitation.
 - 2.24 CROSS-SECTION: See site plan.
 - 2.25 VARIANCES: See site plan.
 - 2.26 TOWNS TO BE REMOVED: Unrehabilitated.
 - 2.27 RECONSTRUCTION OF EXISTING INFRASTRUCTURE: All existing infrastructure shall be maintained throughout the operation. All existing infrastructure shall be maintained throughout the operation. All existing infrastructure shall be maintained throughout the operation.
 - 2.28 PROPOSED INFRASTRUCTURE: All proposed infrastructure shall be maintained throughout the operation. All proposed infrastructure shall be maintained throughout the operation. All proposed infrastructure shall be maintained throughout the operation.



AMENDMENTS TO THE SITE PLAN

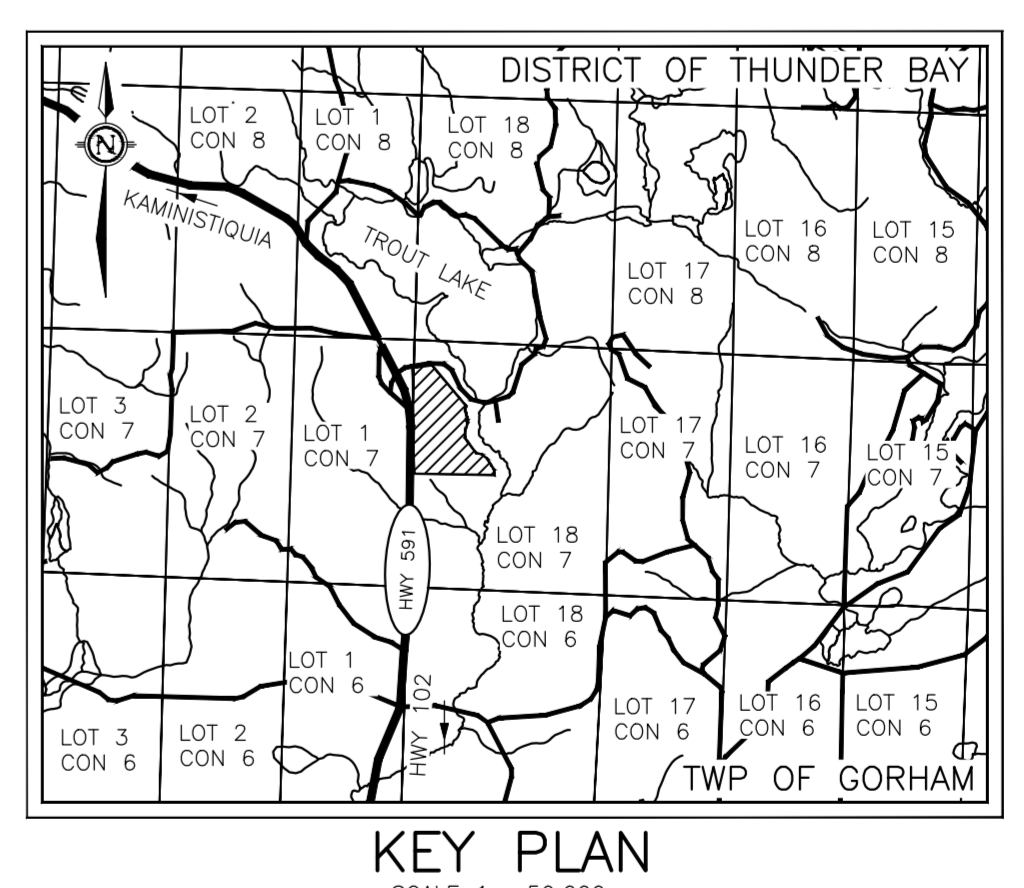
AMENDMENT #1	DESCRIPTION OF THE AMENDMENT	DATE	APPROVED BY

SCHEDULE OF VARIATIONS FROM THE OPERATIONAL STANDARDS

STANDARD NUMBER	DATE	DETAILS

LEGEND

- BUSH LINE
- ROCK OUTCROP
- GRAVEL SURFACED ROADS
- DRAIN
- SPRINKLER FACE
- STORAGE WITH FLOW DIRECTION
- VALVES
- FENCE
- PERMIT BOUNDARY
- EXTRACTION SETBACK BOUNDARY
- PROPERTY BOUNDARY
- LOT / CONCESSION LINE
- GATE
- SECTION ARROWS
- OVERBURDEN
- OVERBURDEN STOCKPILE
- AGGREGATE STOCKPILE
- REFUELLING LOCATION
- SURVEY BOUNDARY
- BOUNDARY OF EXTRACTION
- FINAL FLOOR ELEVATION

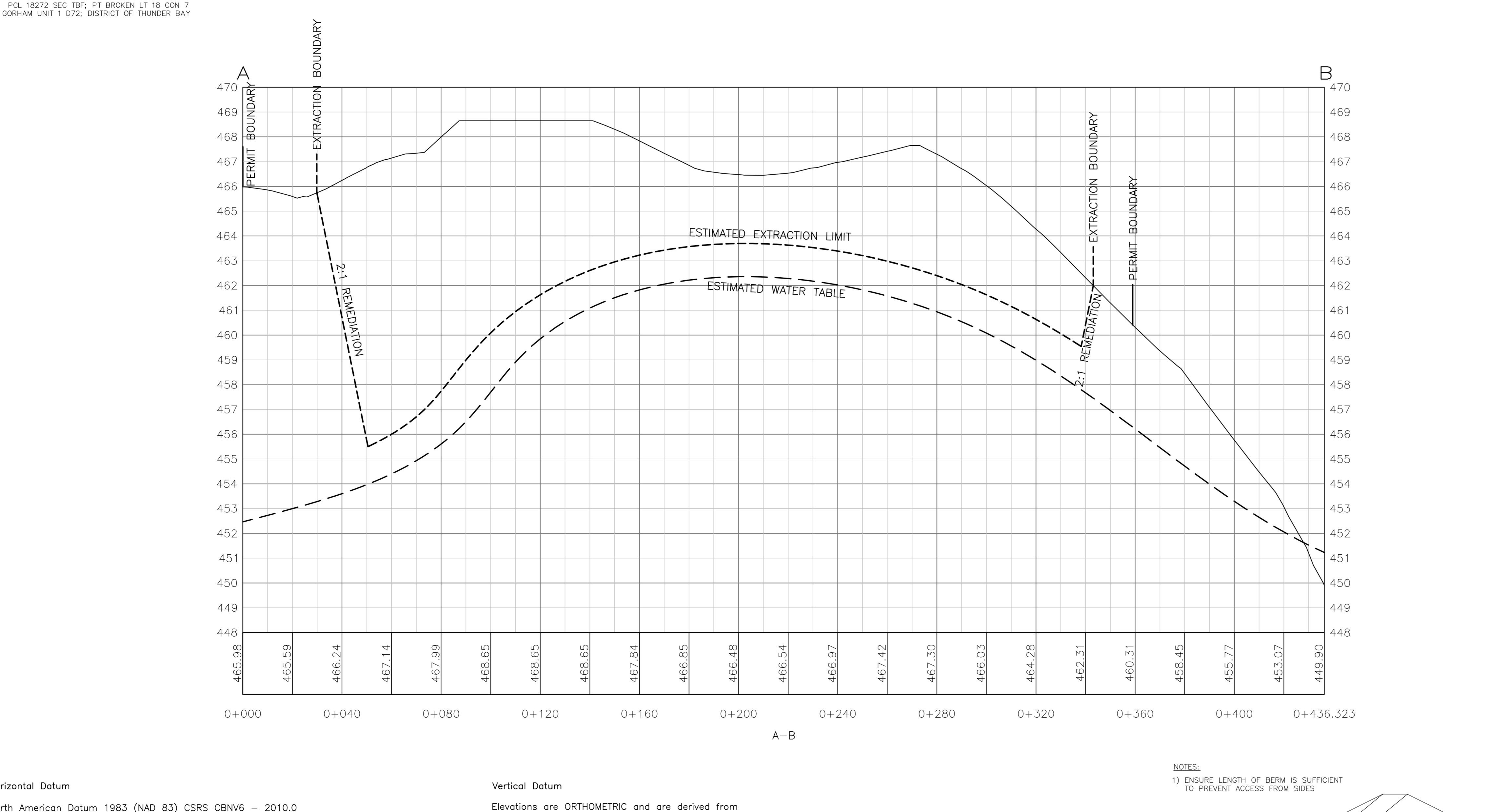


SCHEDULE OF AMENDMENTS			
NO.	DATE	DESCRIPTION	APPROVED

IT IS APPROVED BY THE TOWNSHIP OF GORHAM, DISTRICT OF THUNDER BAY, ON BEHALF OF THE AGGREGATE RESOURCES ACT TO REHABILITATE AND CERTIFY USE PLANS.

TROUT LAKE AGGREGATE PIT
 APPLICANT: LEMPLA SAND & GRAVEL LIMITED
 204 Ash Ave, Thunder Bay, ON P7B 4V2

SIGNATURE: _____ DATE: 2/8/2021



Horizontal Datum			Vertical Datum		
North American Datum 1983 (NAD 83) CSRS CBM66 - 2010.0			Elevations are ORTHOMETRIC and are derived from PPP Observations on BM 463.079.		
UTM Zone 18S			N-Value E-Value Elev.		
The survey was conducted using a Trimble R9 RTK GPS in kinematic mode.			5387416.453	324328.447	463.079
CSRS - PPP GPS Post Processing Service			5387463.068	324328.068	464.388
N-Value	E-Value	Elev.	NOTE: BEARINGS AS SHOWN ON THIS PLAN ARE GEODETIC. ELEVATIONS AS SHOWN ON THIS PLAN ARE ORTHOMETRIC. DISTANCES AND ELEVATIONS AS SHOWN ON THIS PLAN ARE IN METRES.		
5387416.453	324328.447	463.079	BM 463.079 SPIKE IN GROUND		
5387463.068	324328.068	464.388	BM 464.388 SPIKE IN GROUND		

PLAN 2 OF 3 UNREHABILITATED TRAIL IS SHOWN AT AN ESTIMATED ELEVATION. TERRACE AND BERM DETAILS SHALL BE CONSISTENT TO EXTRACTION OF LOTS TO ENSURE MINIMUM SETBACK FROM THE EXTRACTOR'S TABLE. ELEVATIONS MUST BE ESTABLISHED AT A MINIMUM OF 2.0M ABOVE WATER TABLE FOR CATEGORY 4 AND 1.0M FOR CATEGORY 3 EXTRACTION. PROPERTY BOUNDARIES ARE SHOWN ON PLAN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR LAYOUT PURPOSES.



PROJECT NO. 20-237 DRAWING NO. Trout Lake 1-41
 DATE: AUGUST 3 2020 SCALE: 1:1000
 DRAWN: JTL CHECKED: C.J. APPROVED: L.C.

TBT ENGINEERING CONSULTING GROUP

TBT ENGINEERING THUNDER BAY, ON P7C 4T9
 TELEPHONE (807) 624-5160 FAX (807) 624-5161

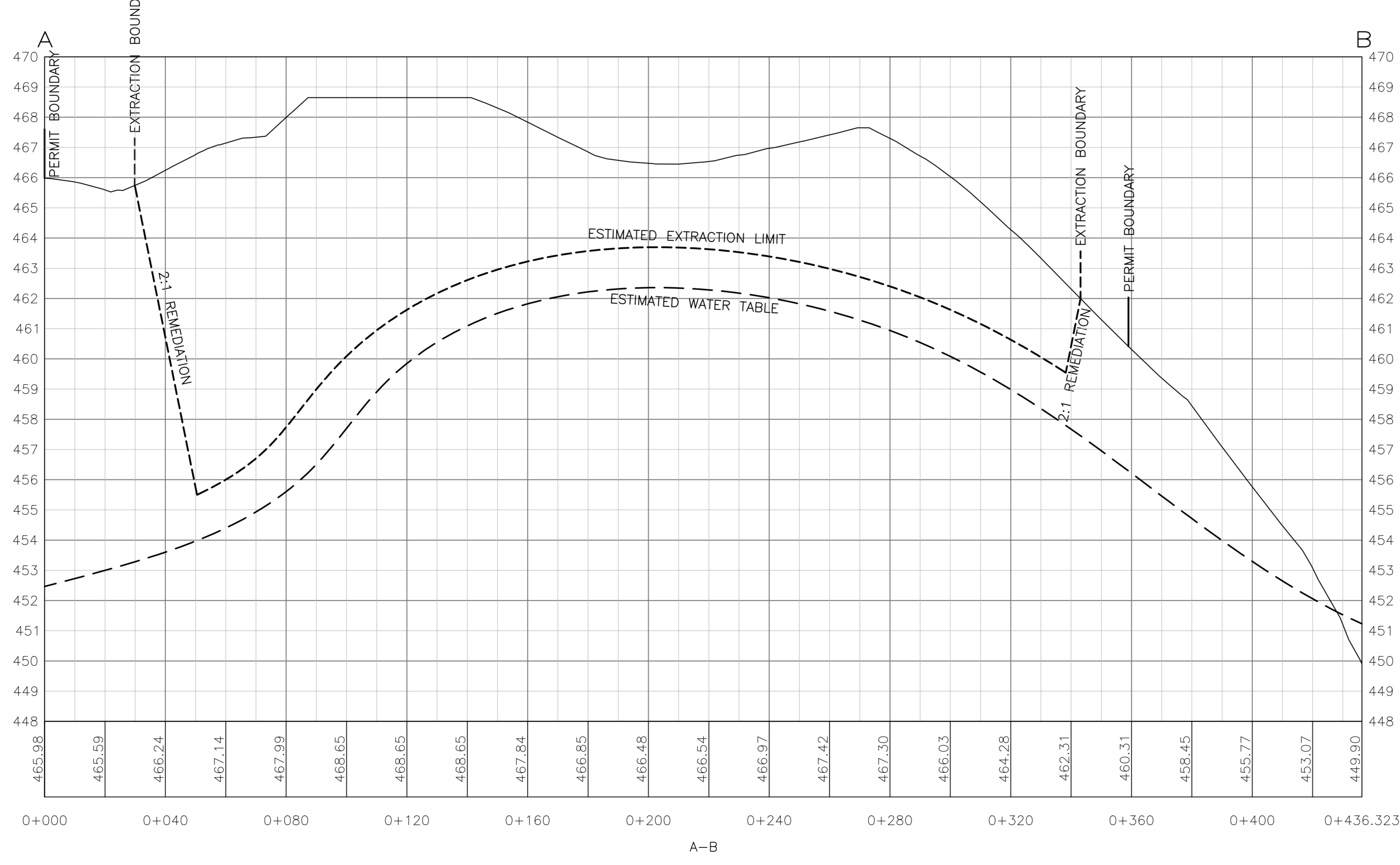
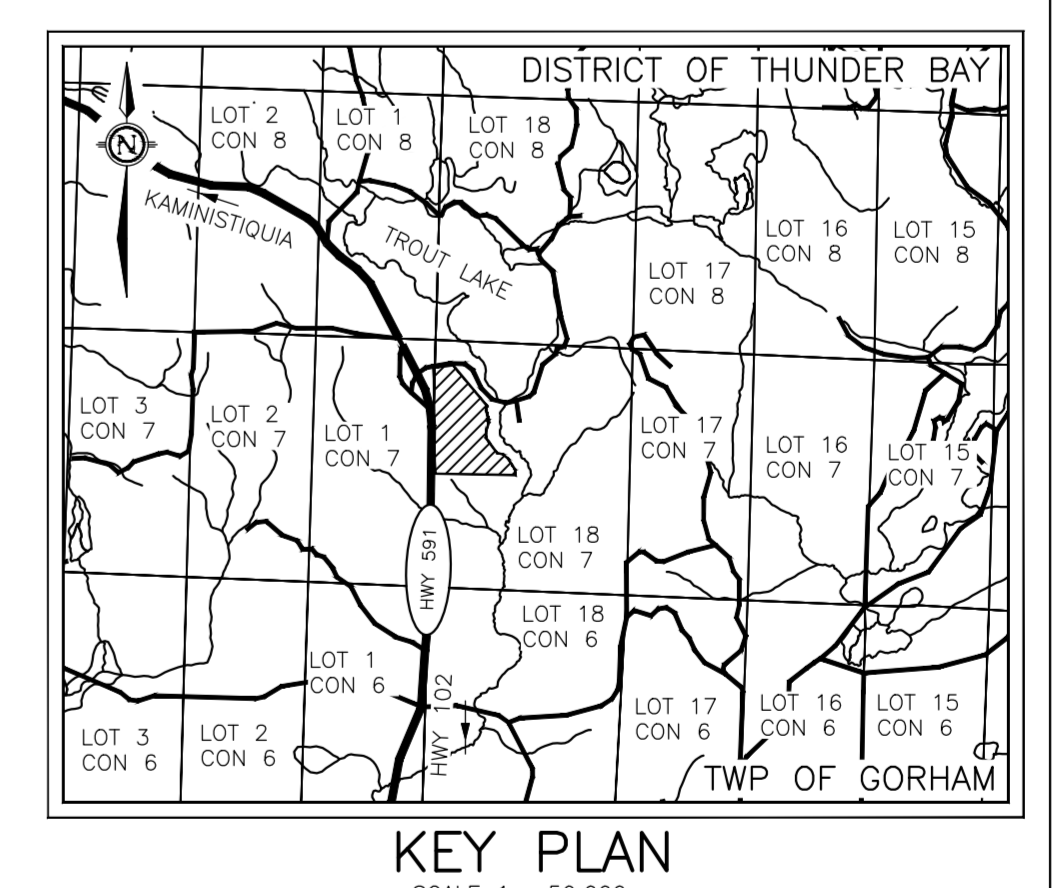
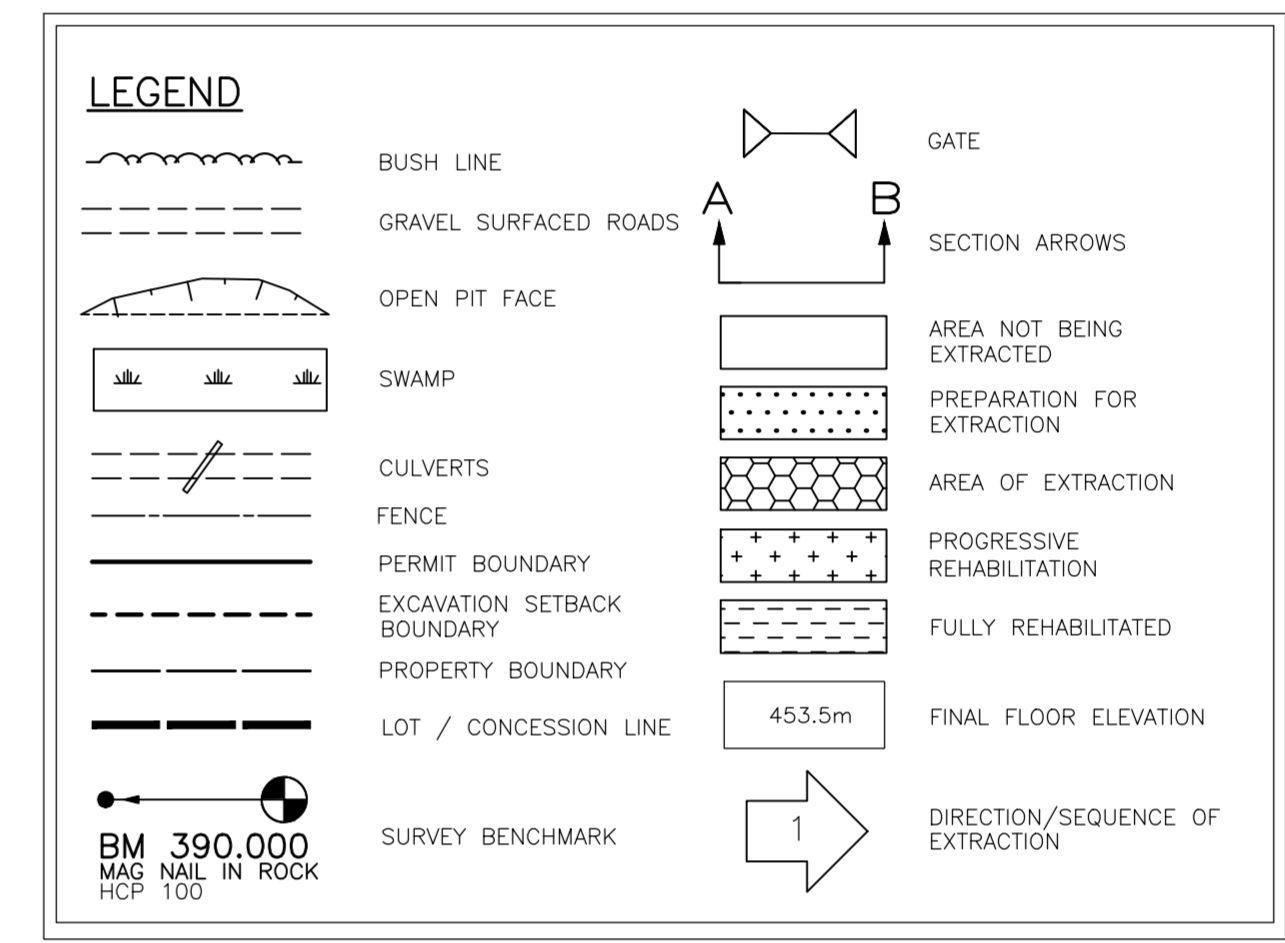
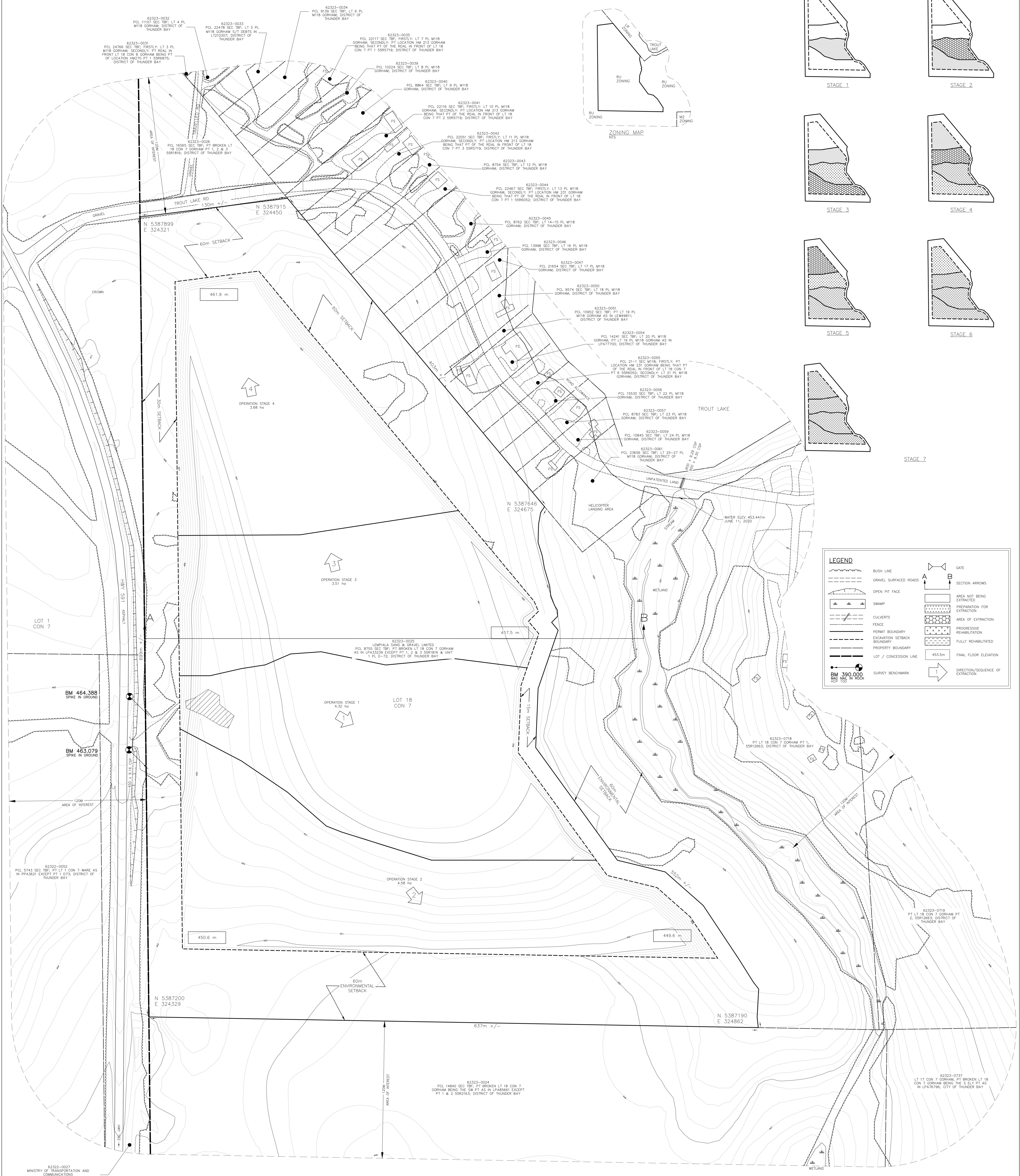
DECLARATION OF PURPOSE

THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CATEGORY 3 LICENSE

TOWNSHIP OF GORHAM
DISTRICT OF THUNDER BAY

SCALE
1 : 1000

SCALE 1 : 1000



Horizontal Datum
North American Datum 1983 (NAD 83) CSRS CBM66 - 2010.0
0 Degree Universal Transverse Mercator (UTM) Grid Coordinates UTM Zone 18
Derived from PPP Observations on BM 463.079
The survey was conducted using a Trimble
RS RTK GPS in kinematic mode
CSRS - PPP GPS Post Processing Service

Vertical Datum
Elevations are ORTHOMETRIC and are derived from
PPP Observations on BM 463.079.
N-Value E-Value Elev.
5387416.453 324328.447 463.079 BM 463.079 SPIKE IN GROUND
5387463.068 324328.888 464.388 BM 464.388 SPIKE IN GROUND

NOTE:
BEARINGS AS SHOWN ON THIS PLAN ARE GEODETIC.
ELEVATIONS AS SHOWN ON THIS PLAN ARE ORTHOMETRIC.
DISTANCES AND ELEVATIONS AS SHOWN ON THIS PLAN
ARE IN METRES.

DISCLAIMER:
PROPERTY BOUNDARIES ARE SHOWN ON PLAN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR LAYOUT PURPOSES.

Drawing 3 "Prescribed Conditions Category 3 License" Notes:

- 3.1. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.2. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.3. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.4. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.5. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
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- 3.7. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.8. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
- 3.9. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.

PROGRESSIVE REHABILITATION

1. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
2. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
3. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
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5. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
6. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.

FINAL REHABILITATION

1. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
2. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
3. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
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5. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.
6. The license holder shall ensure that the aggregate resources are used in accordance with the conditions of the license.

NO.	DATE	DESCRIPTION	APPROVED

IS APPROVED BY THE
MINISTRY OF NATURAL RESOURCES
PURSUANT TO SECTION 4(1) OF THE
AGGREGATE RESOURCES ACT TO
PREPARE AND CARRY OUT PLANS

**TROUT LAKE
AGGREGATE PIT**
APPLICANT: LEWIS & CLARK LIMITED
204 ADAM AVE. THUNDER BAY
ON P7B 4V2

**PROGRESSIVE AND FINAL
REHABILITATION PLAN**

PROJECT NO. 20-237 DRAWING NO. Trout Lake 1-A1
DATE: AUGUST 3 2020 SCALE: 1:1000
DRAWN: JCL CHECKED: C.J. APPROVED: L.C.

**TBT ENGINEERING
CONSULTING GROUP**

TBT ENGINEERING
1918 YONGE STREET
THUNDER BAY, ON P7B 4V2
TELEPHONE (807) 624-5160 FAX (807) 624-5161