

- Legend:
- CATCHMENT IDENTIFICATION
 - CATCHMENT AREA (HA)
 - CONCENTRATED EXTERNAL FLOW
 - LIMITS OF CATCHMENT AREA
 - LIMITS OF SUB-CATCHMENT AREA
 - BOUNDARY OF AREA TO BE LICENSED
 - LIMIT OF PROPOSED EXTRACTION
 - EXISTING LICENSED PIT
 - LIMIT OF EXISTING EXTRACTION
 - PROPERTY LINE

- DRAWING REFERENCE NOTES:
1. BASE MAPPING AND TOPOGRAPHIC INFORMATION FROM DIGITAL OBM AND AIR PHOTO ANALYSIS PROVIDED BY GOOGLE EARTH 2018 EUROPA TECHNOLOGIES
 2. SHELBOURNE PIT EXPANSION LANDS TOPOGRAPHIC INFORMATION PREPARED BY DHL DATED APRIL 8, 2025.
 3. EXTERNAL TO THE SITE, THE DEM TOPOGRAPHIC SURVEY WAS USED. INTERNAL TO THE SITE, THE DHL TOPOGRAPHIC SURVEY WAS USED. THE DEM SURFACE WAS RAISED BY 1.24m TO ALIGN WITH THE DHL TOPOGRAPHIC SURVEY.
 4. PROPERTY BOUNDARY PREPARED BY RODNEY GREYER, QLS, DATED JANUARY 20, 2019.
 5. OPERATIONAL PLAN PREPARED BY IPS DATED JUNE 2025.

CAUTION
CONTRACTOR TO DETERMINE
LOCATION OF EXISTING UTILITIES
PRIOR TO CONSTRUCTION.

Notes:

1. Unless noted otherwise, the measurements and distances shown on this drawing are shown in meters.
2. Do not scale drawings.
3. It is the contractor's responsibility to verify all dimensions, levels and datums on site and report any discrepancies or omissions to WMI & Associates Ltd. prior to construction.
4. This drawing is to be read and understood in conjunction with all other relevant documents applicable to this project.
5. This drawing is the exclusive property of WMI & Associates Ltd. and the reproduction of any part of this document without prior written consent is strictly prohibited.



No.	Issue / Revision	Date
1	1ST SUBMISSION	DEC. 15, 2020
2	2ND SUBMISSION - NVCA COMMENTS	MAY 24, 2024
3	THIRD SUBMISSION	OCT. 18, 2024
4	FOURTH SUBMISSION	JUNE 24, 2025

DHL PIT
DRAINAGE PLAN

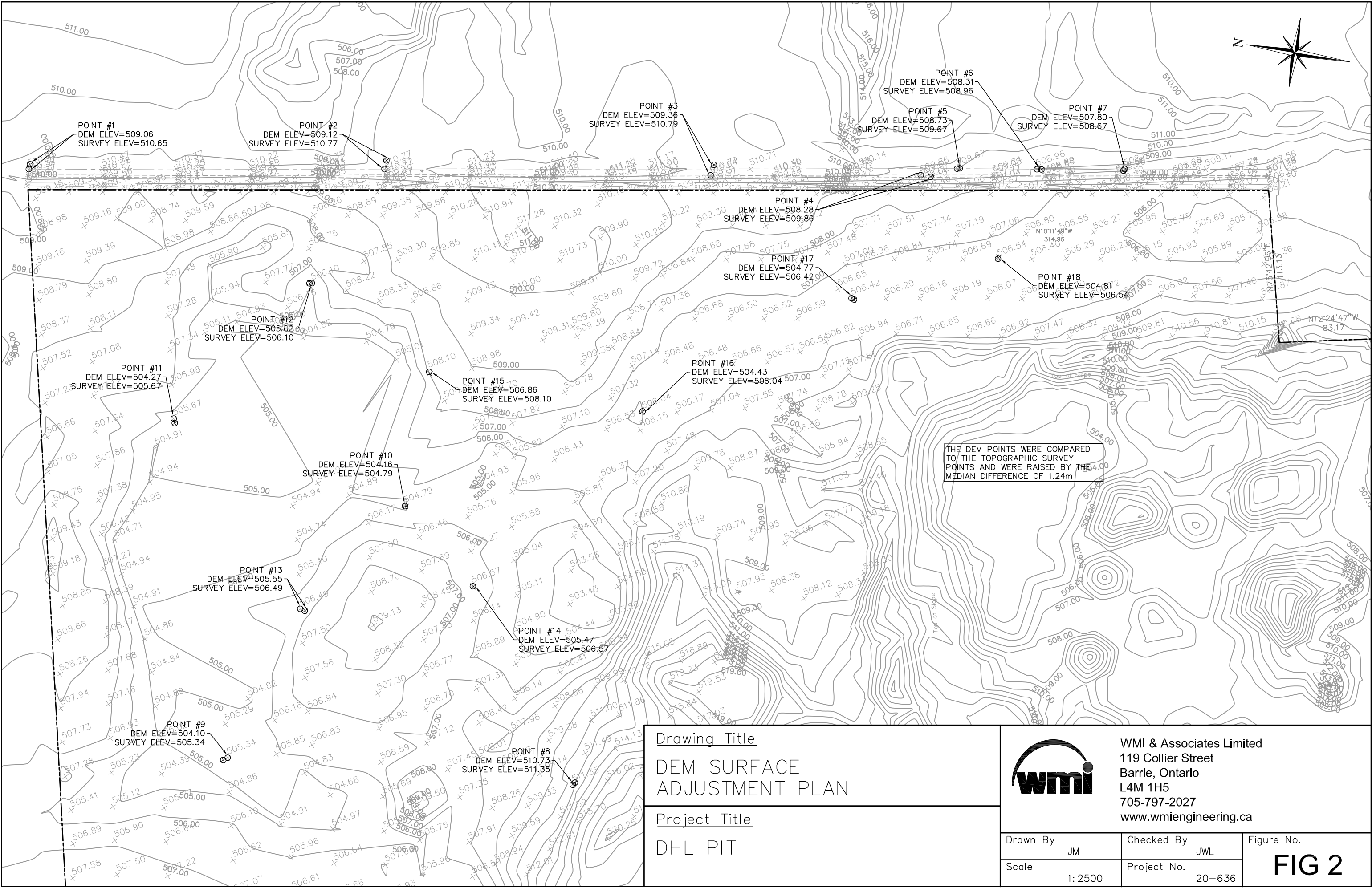
Client:
Duivervoorden Haulage Ltd.

3425 9th Line
Innisfil, Ontario
L9S 3Z6

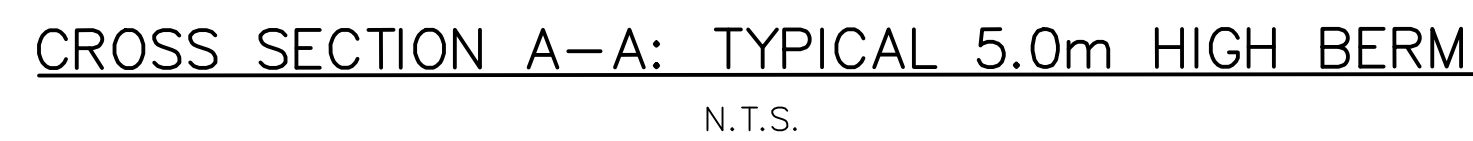
WMI & Associates Limited
119 Collier Street
Barrie, Ontario
L4M 1H5
Ph 705-797-2027
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Drawn By AW Checked By JWL
Scale 1:5000 Project No. 20-636

Drawing No. FIG1



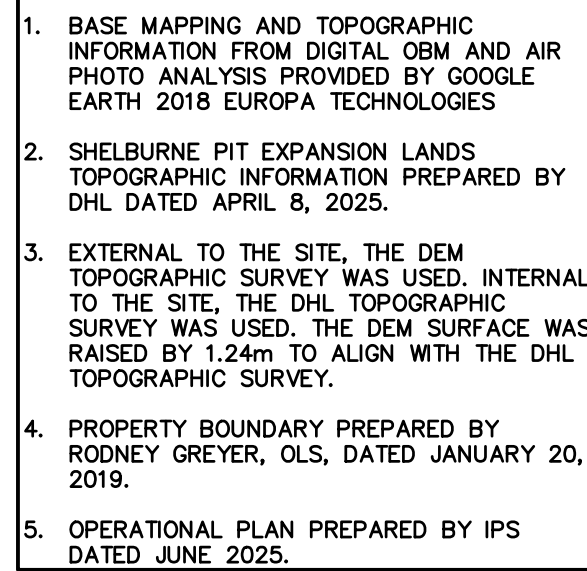
<div>Drawing Title</div> <div>DEM SURFACE ADJUSTMENT PLAN</div>		<div><div><div><div></div><div>wmi</div></div></div><div>WMI & Associates Limited 119 Collier Street Barrie, Ontario L4M 1H5 705-797-2027 www.wmiengineering.ca</div></div>		
<div>Project Title</div> <div>DHL PIT</div>		Drawn By	Checked By	Figure No.
		JM	JWL	
		Scale	Project No.	FIG 2
		1: 2500	20-636	



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev	3	
<p style="text-align: center;">LIGHT-DUTY SILT FENCE BARRIER</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>	OPSD 219.110			

1. ENTRANCE SHALL BE PAVED PRIOR TO UNDERTAKING ANY SITE ALTERATION ACTIVITIES.
2. EROSION CONTROL WORKS TO BE INSPECTED REGULARLY AFTER EVERY RAINFALL AND REPAIRED/REPLACED AS REQUIRED BY THE ENGINEER.
3. ALL DISTURBED AREAS TO BE RESTORED USING TOPSOIL AND SEED IMMEDIATELY UPON ESTABLISHING FINAL ELEVATIONS.
4. ALL AREAS WHICH REMAIN UNDISTURBED FOR MORE THAN 30 DAYS SHALL BE STABILIZED.
5. EROSION CONTROL WORKS TO BE MAINTAINED UNTIL THE SITE HAS STABILIZED AND REMOVAL IS DIRECTED BY THE ENGINEER.
6. SILT FENCE IS TO BE CONSTRUCTED/INSTALLED AS PER THE PHASING PLAN SHOWN ON THIS DRAWING.
7. ROUTINE INSPECTIONS OF THE SEDIMENT AND EROSION CONTROL STRUCTURES ARE REQUIRED DURING THE CONSTRUCTION PHASE.

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CAUTION
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No.	Issue / Revision	Date
1	2ND SUBMISSION – NVCA COMMENTS	MAY 24, 2024
2	THIRD SUBMISSION	OCT. 18, 2024
3	FOURTH SUBMISSION	JUNE 24, 2025

DHL PIT

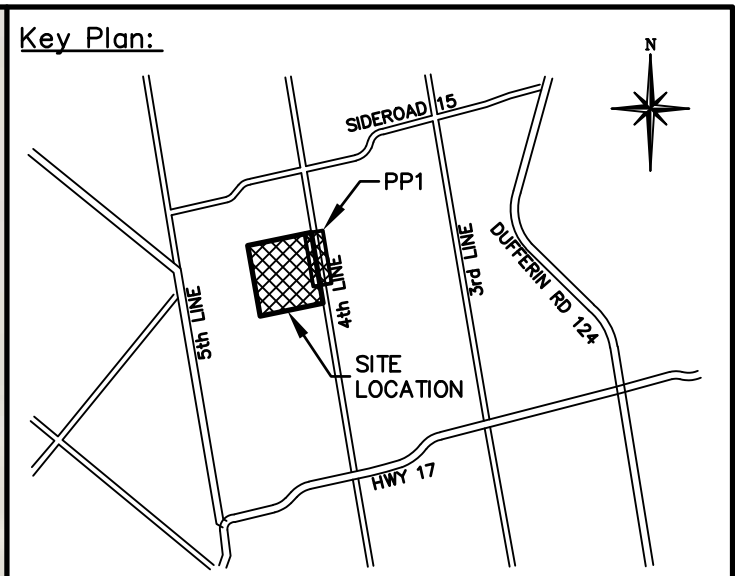
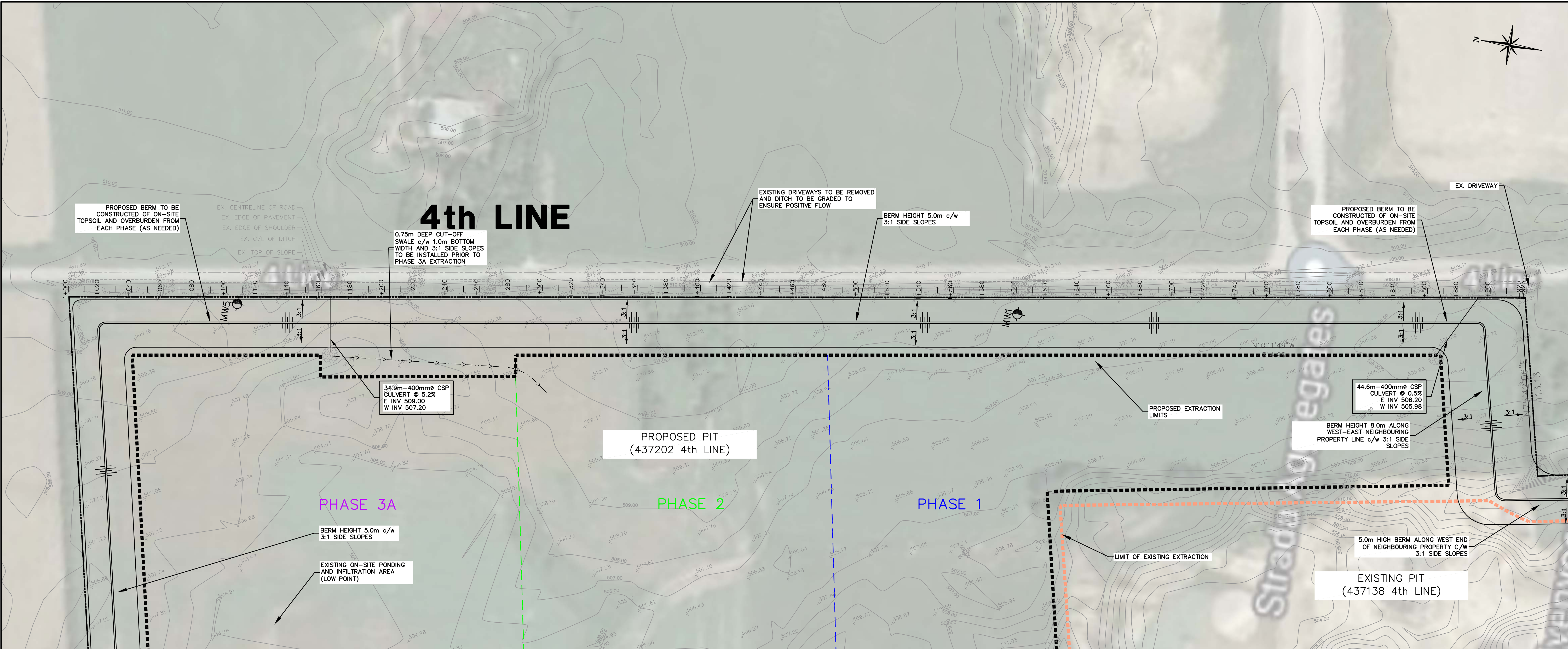
EROSION & SEDIMENT
CONTROL PLAN

Client:
Duivenvoorden Haulage Ltd.
3425 9th Line
Innisfil, Ontario
L9S 3Z6

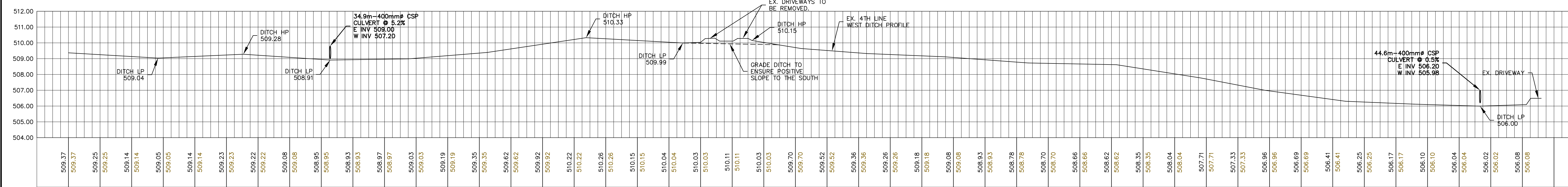


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Drawn By AW	Checked By JWL	Drawing No. ESC
Scale 1:2000	Project No. 20-636	



EXISTING FEATURES (EX)	
EX STD IRON BAR	EX WS
EX IB	EX HYD
EX UP	EX UTILITY POLE
EX BELL PED	EX SS
EX HYDRO TRANSFORMER	EX 123.45
EX FENCE	EX ELEVATION
EX U/G GASMAIN	EX U/G BELL
EX U/G HYDRO	EX WATERMAIN & VALVE
EX 0.0mm ² SAN @ 0.0%	EX 0.0mm ² STM @ 0.0%
EX 0.0mm ² STM @ 0.0%	EX STM SEWER & MH
PROPOSED FEATURES (PR)	
NS	PR STREET NAME SIGN
SS	PR STOP SIGN
SF	PR SILT FENCE
ST	PR STREET LIGHT
HT	PR HYDRO TRANSFORMER
W	PR WATER SERVICE
S	PR SANITARY SERVICE
ST	PR STORM SERVICE
0.0mm ² W/M	PR WATERMAIN
0.0mm ² SAN @ 0.0%	PR FIRE HYDRANT
0.0mm ² STM @ 0.0%	PR WATER VALVE
MH A	PR SANITARY SEWER
CBMH 1	PR SANITARY MANHOLE
MH 1	PR STORM SEWER
CB 1A	PR CATCHBASIN MANHOLE
PR SWALE	PR CATCHBASIN
0.000.00	PR ELEVATION
0.000.00	PR MATCH EXISTING ELEVATION (INTERPOLATED)
0.000.00TC	PR TOP OF CURB ELEVATION
0.000.00EP	PR EDGE OF PAVEMENT ELEVATION
PR STEEP SLOPE	PR STEEP SLOPE
CONCENTRATED EXTERNAL FLOW	CONCENTRATED EXTERNAL FLOW
BOUNDARY OF AREA TO BE LICENSED	BOUNDARY OF AREA TO BE LICENSED
LIMIT OF PROPOSED EXTRACTION	LIMIT OF PROPOSED EXTRACTION
EXISTING LICENSED PIT	EXISTING LICENSED PIT
LIMIT OF EXISTING EXTRACTION	LIMIT OF EXISTING EXTRACTION
PROPERTY LINE	PROPERTY LINE
MWI	MONITORING WELL



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 - PROPERTY BOUNDARY PREPARED BY RODNEY GREYER, OLS, DATED JANUARY 20, 2019.
 - OPERATIONAL PLAN PREPARED BY IPS DATED JUNE 2024.

CONSTRUCTION PHASING

- PHASE 1 – INSTALL SILT FENCE, STRIP TOPSOIL & OVERBURDEN PHASE 1, 2, 3 (AS REQUIRED) TO CONSTRUCT ENTIRE BERM. INSTALL CULVERT AT SOUTHEAST CORNER OF SITE.
- PHASE 2 – STRIP TOPSOIL & OVERBURDEN.
- PHASE 3A – STRIP TOPSOIL & OVERBURDEN, INSTALL CUT-OFF SWALES & CULVERTS.
- PHASE 3B – STRIP TOPSOIL & OVERBURDEN, REDIRECT SWALE TO PHASE 3A.

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No.	Issue / Revision	Date
1	FOURTH SUBMISSION	JUNE 24, 2025

DHL PIT
4th LINE DITCH
PLAN & PROFILE
STA 1+000 TO 1+923

Client:
Duivenvoorden Haulage Ltd.
3425 9th Line
Innisfil, Ontario
L9S 3Z6



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Drawing No.: PP1