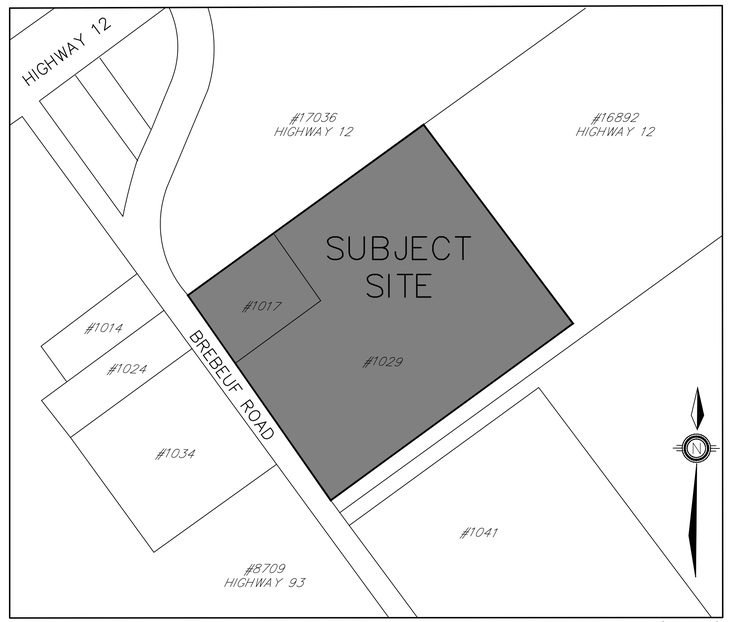
1017 & 1029 BREBEUF ROAD
CONCRETE MIXING PLANT
TOWN OF MIDLAND, ONTARIO

THE JONES CONSULTING GROUP LTD. DRAWING LIST

SG–1	SITE GRADING PLAN
SS–1	SITE SERVICING PLAN
ESC–1	EROSION AND SEDIMENT CONTROL PLAN PHASE 1 INTERIM
ESC–2	EROSION AND SEDIMENT CONTROL PLAN PHASE 2 INTERIM
ESC–3	EROSION AND SEDIMENT CONTROL PLAN PHASE 3 ULTIMATE
ESC–4	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
SWM–1	PRE–DEVELOPMENT STORMWATER MANAGEMENT PLAN
SWM–2	POST–DEVELOPMENT STORMWATER MANAGEMENT PLAN

EME ENGINEERING INC. DRAWING LIST

E–001	ELECTRICAL SPECIFICATIONS
E–002	SYMBOLS AND ABBREVIATIONS
E–101	SITE SERVICING PLAN
E–201	SITE PHOTOMETRIC PLAN
E–301	SITE DETAILS



KEYPLAN (NTS)

MUNICIPALITY:

TOWN OF MIDLAND
575 DOMINION AVENUE
MIDLAND, ON L4R 1R2
PH. 705.526.4275

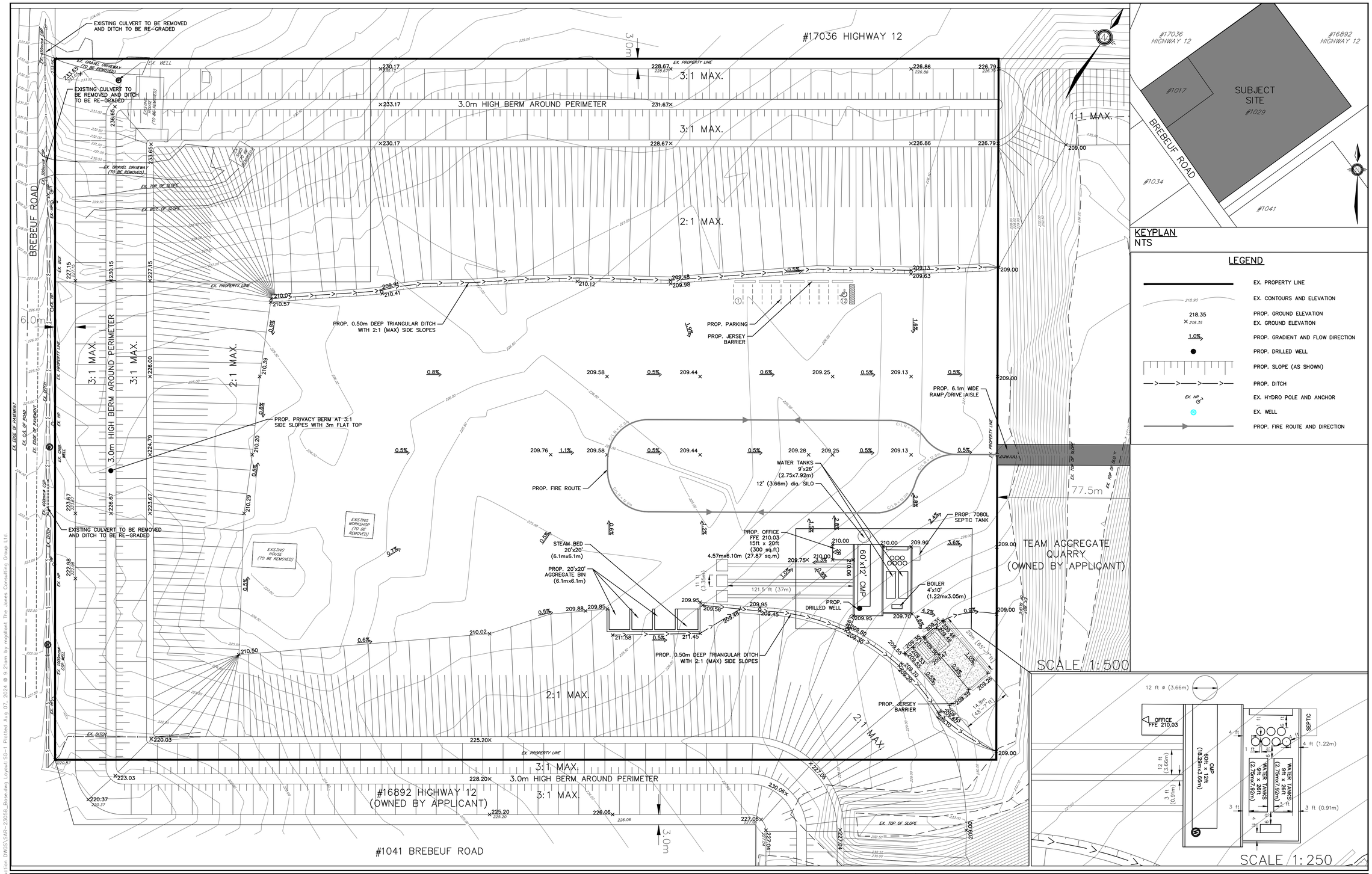
CLIENT:

THE SARJEANT Co. LTD.
15 SARJEANT DRIVE
BARRIE, ONTARIO L4N 4V9

CONSULTANT:

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

PROJECT No. SAR–23058 – OPA, ZBLA & SPA SUBMISSION AUGUST 2024



BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

NO.	REVISIONS	DATE	INITIAL
3	OPA, ZBLA & SPA SUBMISSION	AUG. 2024	MG
2	ISSUED FOR PRE-CONSULTATION	DEC. 2023	DR
1	ISSUED TO CLIENT	OCT. 2023	DR

LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

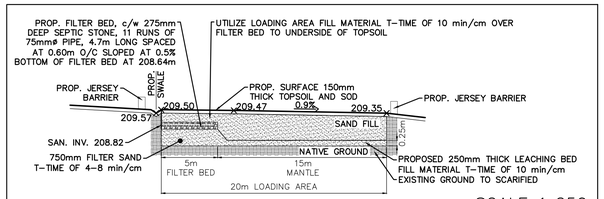
1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

SITE GRADING PLAN

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	DR	SCALE: AS SHOWN	DATE OCTOBER 2023
DRAWN	KS	PROJECT SAR-23058	DWG. Nº SG-1
CHECKED	DR		

SECTION A–A



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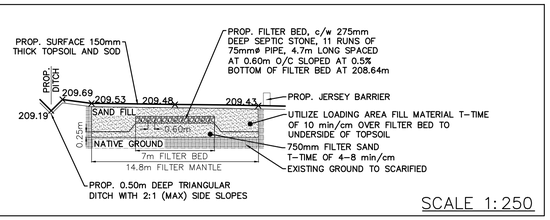
SECTION B–B



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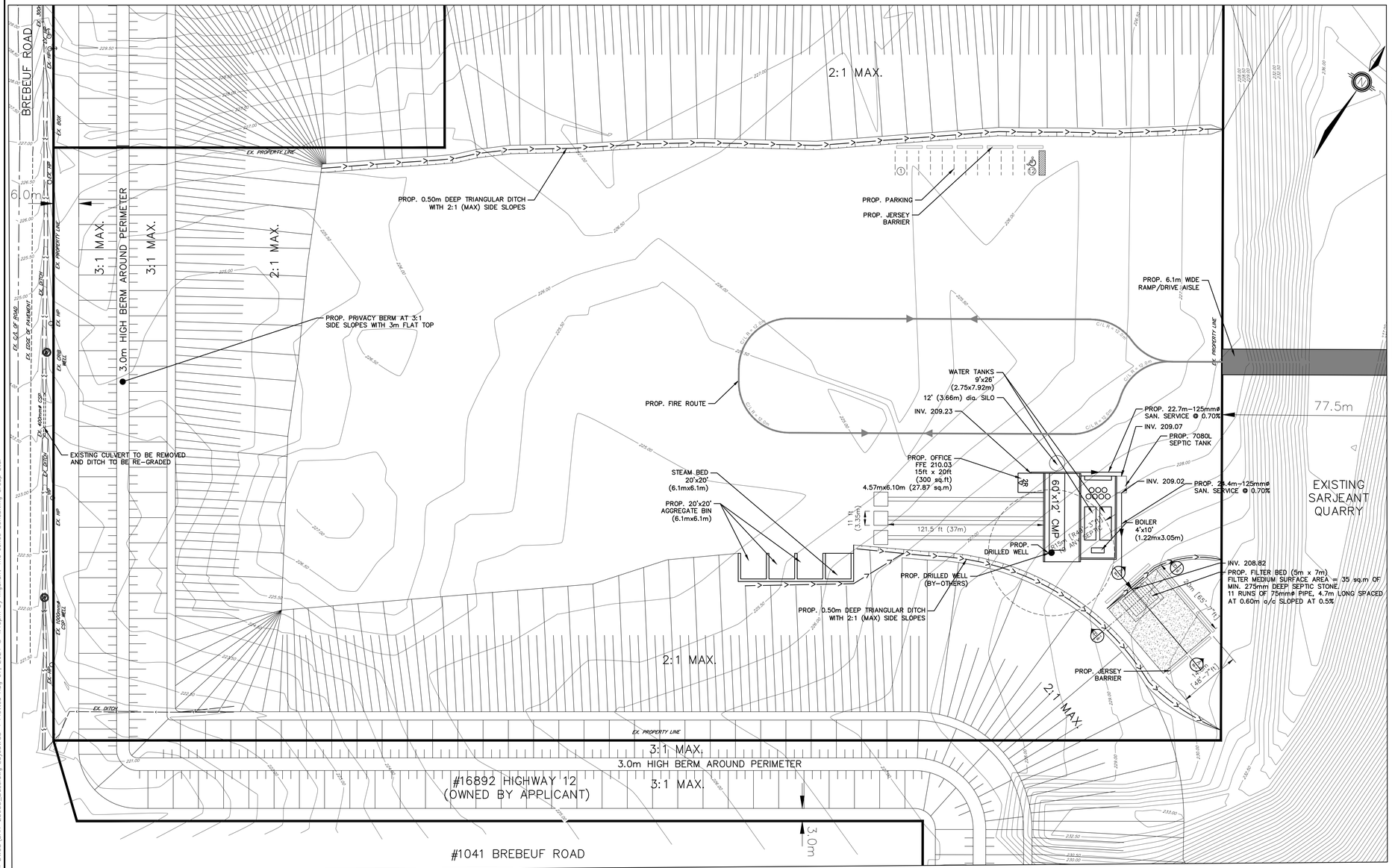

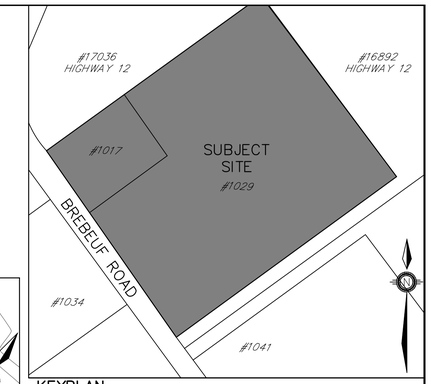

KEYPLAN
NTS

LEGEND

- EX. PROPERTY LINE
- EX. CONTOURS AND ELEVATION (218.90)
- PROP. SANITARY SEWER AND FLOW DIRECTION
- PROP. DRILLED WELL
- PROP. SLOPE (AS SHOWN)
- PROP. DITCH
- CROSS–SECTION LOCATION AND REFERENCE PLAN
- EX. HYDRO POLE AND ANCHOR
- EX. WELL
- PROP. FIRE ROUTE AND DIRECTION

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

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2	ISSUED FOR PRE–CONSULTATION	DEC. 2023	DR
1	ISSUED TO CLIENT	OCT. 2023	DR

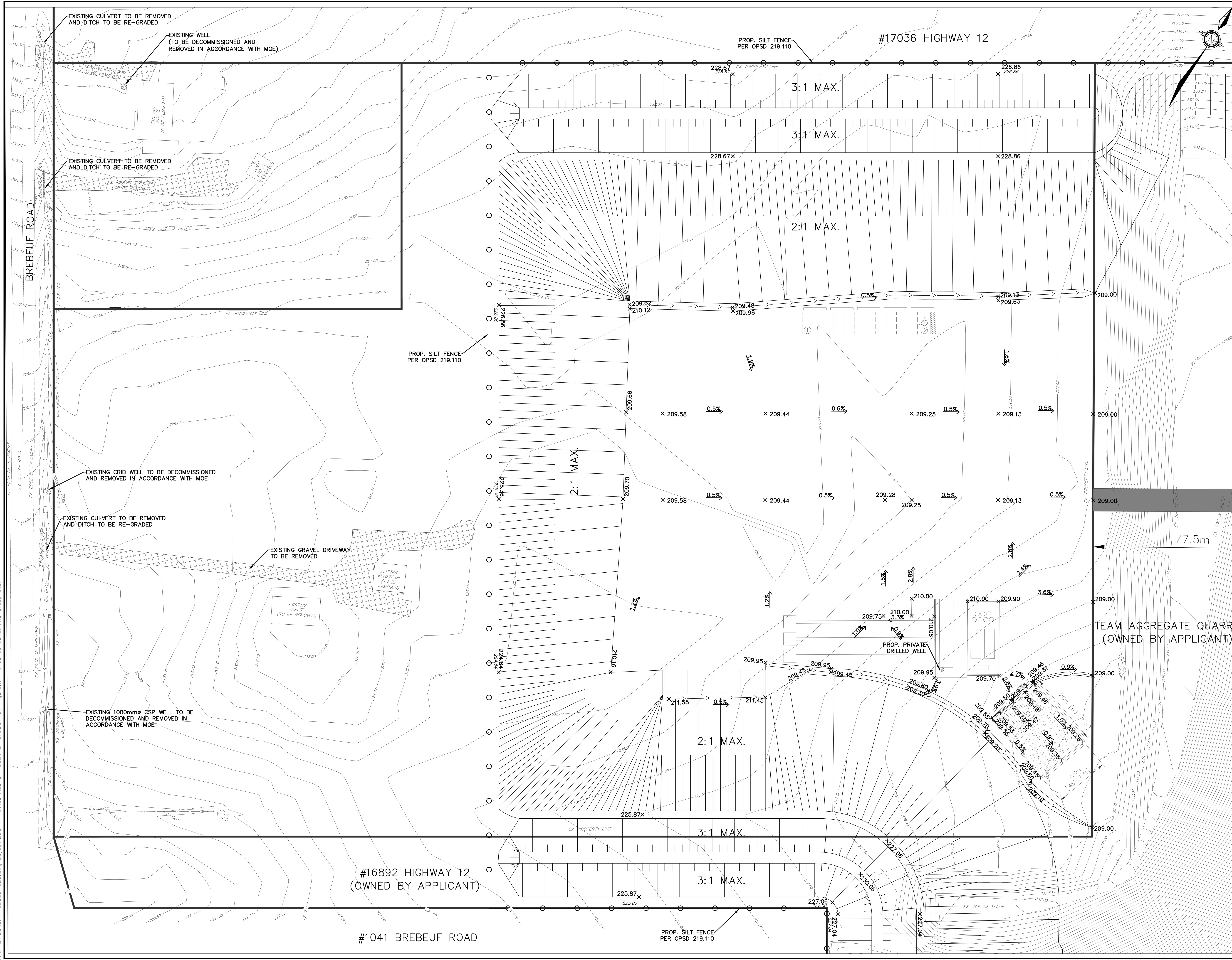
LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

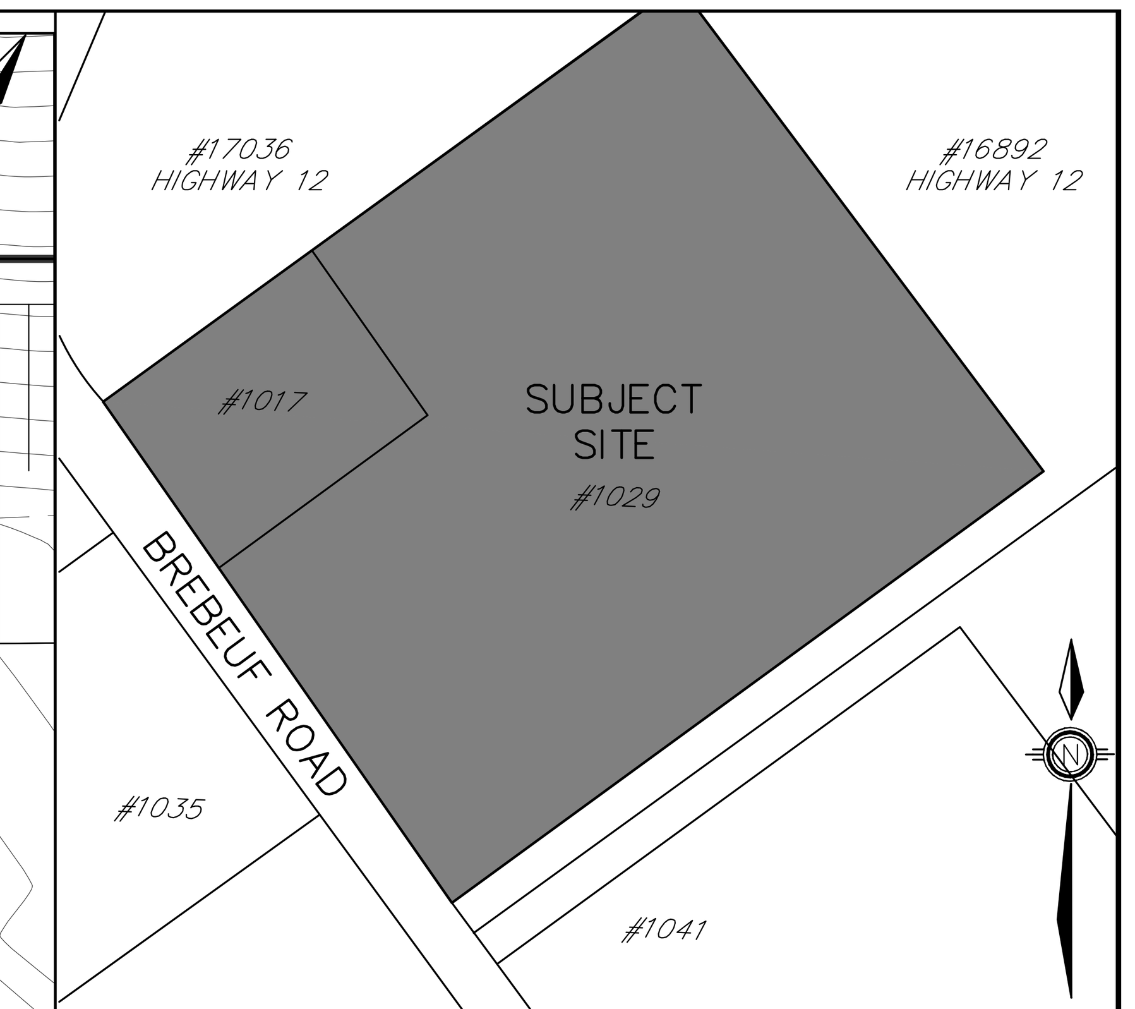
1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

SITE SERVICING PLAN

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN DR	SCALE: 1:500	DATE JULY 2024	
DRAWN KS	PROJECT SAR–23058	DWG. Nº SS–1	
CHECKED DR			





KEYPLAN
NTS

LEGEND

- EX. PROPERTY LINE
- EX. CONTOURS AND ELEVATION (218.90)
- PROP. SLOPE (AS SHOWN)
- PROP. SILT FENCE PER OPSD 219.110
- 227.06 PROP. ELEVATION / 227.06 EX. ELEVATION
- PROP. GRADIENT AND FLOW DIRECTION
- AREA TO REMOVED
- EX. HP — EX. HYDRO POLE AND ANCHOR
- EX. WELL

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

NO.	REVISIONS	DATE	INITIAL
1	OPA, ZBLA & SPA SUBMISSION	AUG. 2024	MG

LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

EROSION AND SEDIMENT CONTROL PLAN PHASE 1 INTERIM

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN DR	SCALE: 1:500	DATE JULY 2024	
DRAWN KS	PROJECT SAR–23058	DWG. № ESC–1	
CHECKED DR			

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING WELL (TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE)

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING CRIB WELL TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING 1000mmø CSP WELL TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE

EXISTING GRAVEL DRIVEWAY TO BE REMOVED

PROP. SILT FENCE PER OPSD 219.110

PROP. PRIVATE DRILLED WELL

BREBEUF ROAD

#17036 HIGHWAY 12

#16892 HIGHWAY 12 (OWNED BY APPLICANT)

#1041 BREBEUF ROAD

TEAM AGGREGATE QUARRY (OWNED BY APPLICANT)

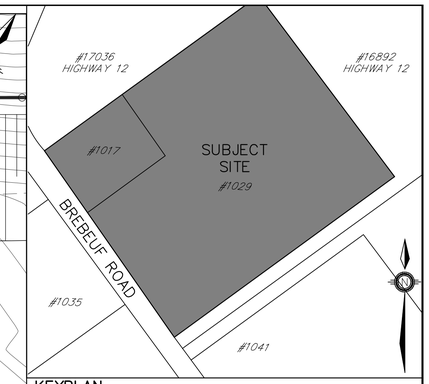
3:1 MAX.

2:1 MAX.

77.5m

20m [65'-7"]

14.8m [48'-7"]



KEYPLAN
NTS

LEGEND

- EX. PROPERTY LINE
- EX. CONTOURS AND ELEVATION (218.90)
- PROP. SLOPE (AS SHOWN)
- PROP. SILT FENCE PER OPSD 219.110
- PROP. ELEVATION (227.06)
- EX. ELEVATION (227.06)
- PROP. GRADIENT AND FLOW DIRECTION
- AREA TO REMOVED
- EX. HP — EX. HYDRO POLE AND ANCHOR
- EX. WELL

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

NO.	REVISIONS	DATE	INITIAL
1	OPA, ZBLA & SPA SUBMISSION	JUL. 2024	MG

LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

EROSION AND SEDIMENT CONTROL PLAN
PHASE 2 INTERIM

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	DR	SCALE: 1:500	DATE JULY 2024
DRAWN	KS	PROJECT SAR-23058	DWG. Nº ESC-2
CHECKED	DR		

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING WELL (TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE)

PROP. SILT FENCE PER OPSD 219.110

#17036 HIGHWAY 12

EX. PROPERTY LINE

3:1 MAX.

3:1 MAX.

2:1 MAX.

BREBEUF ROAD

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING CRIB WELL TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE

EXISTING CULVERT TO BE REMOVED AND DITCH TO BE RE-GRADED

EXISTING GRAVEL DRIVEWAY TO BE REMOVED

EXISTING WORKSHOP (TO BE REMOVED)

EXISTING HOUSE (TO BE REMOVED)

PROP. SILT FENCE PER OPSD 219.110

EXISTING 1000mmø CSP WELL TO BE DECOMMISSIONED AND REMOVED IN ACCORDANCE WITH MOE

PROP. PRIVATE DRILLED WELL

2:1 MAX.

3:1 MAX.

3:1 MAX.

2:1 MAX.

#16892 HIGHWAY 12 (OWNED BY APPLICANT)

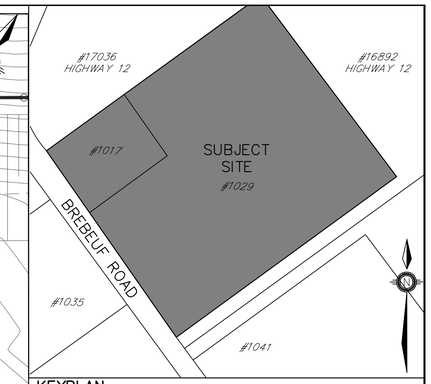
#1041 BREBEUF ROAD

TEAM AGGREGATE QUARRY (OWNED BY APPLICANT)

77.5m

20m (65'-7")

14.8m (48'-7")



KEYPLAN
NTS

LEGEND

- EX. PROPERTY LINE
- EX. CONTOURS AND ELEVATION (218.90)
- PROP. SLOPE (AS SHOWN)
- PROP. SILT FENCE PER OPSD 219.110
- PROP. ELEVATION (227.06)
- EX. ELEVATION (227.06)
- PROP. GRADIENT AND FLOW DIRECTION
- AREA TO REMOVED
- EX. HYDRO POLE AND ANCHOR (EX. HP)
- EX. WELL (W)

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

NO.	REVISIONS	DATE	INITIAL
1	OPA, ZBLA & SPA SUBMISSION	JUL. 2024	MG

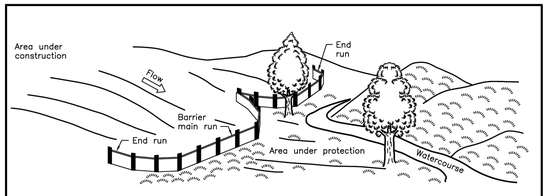
LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

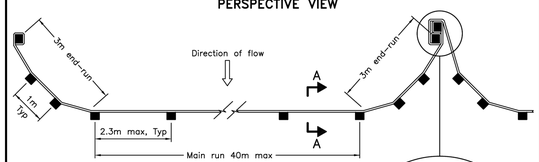
EROSION AND SEDIMENT CONTROL PLAN
PHASE 3 ULTIMATE

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

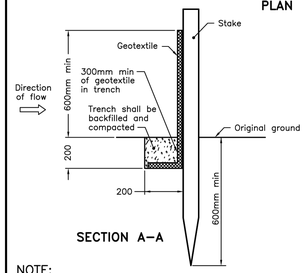
DESIGN DR	SCALE: 1:500	DATE JULY 2024	
DRAWN KS	PROJECT SAR-23058	DWG. Nº ESC-3	
CHECKED DR			



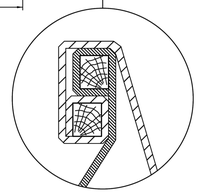
PERSPECTIVE VIEW



PLAN



SECTION A–A



JOINT DETAIL

NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev	3
LIGHT–DUTY SILT FENCE BARRIER		OPSD 219.110	

EROSION CONTROL NOTES

1. THE ACCOMPANYING PLANS SET OUT THE MEASURES THAT WILL BE TAKEN BY THE DEVELOPER AND ITS CONTRACTORS TO CONTROL DOWNSTREAM SEDIMENT TO THE LOWEST LEVEL PRACTICALLY ACHIEVABLE. THE CONDITIONS AND TECHNIQUES SET OUT ARE TO BE FOLLOWED UNLESS APPROVED OTHERWISE BY THE CONTRACT ADMINISTRATOR, CONSERVATION AUTHORITY AND/OR MUNICIPALITY.
2. ALL TEMPORARY SILT CONTROL AND EROSION PROTECTION DEVICES (I.E. SILT FENCING, DRAINAGE SWALES, ROCK CHECK DAMS, SEDIMENT BASIN(S), GRAVEL ACCESS PAD, ETC.) SHALL BE CONSTRUCTED PRIOR TO COMMENCEMENT OF SITE WORKS AND SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE GRASS HAS ESTABLISHED GROWTH, SUBJECT TO APPROVAL BY THE CITY ENGINEERING DEPARTMENT.
3. ALL SEDIMENTATION CONTROL MEASURES ARE TO BE INSPECTED REGULARLY (MINIMUM WEEKLY), AS WELL AS AFTER EVERY RAINFALL EVENT AND ANY DAMAGED SILT CONTROL AND EROSION PROTECTION DEVICES SHALL BE PROMPTLY REPAIRED OR REPLACED BY THE CONTRACTOR.
4. THE CONTRACTOR MUST USE MATERIALS, CONSTRUCTION PRACTICES, AND MITIGATION TECHNIQUES IN ORDER TO PREVENT THE UNAUTHORIZED HARMFUL ALTERATION, DISRUPTION OR DESTRUCTION OF VEGETATION OR THE IMPAIRMENT OF WATER QUALITY.
5. THE CONTRACTOR SHALL BE PREPARED FOR UNEXPECTED CONDITIONS AND ACCORDINGLY HAVE STOCKPILED MATERIALS ON SITE FOR NECESSARY REPAIRS AS A RESULT OF FAILED OR INADEQUATE CONTROL MEASURES.
6. AREAS WITHOUT STABLE GROUND COVER SHALL BE PROTECTED WITH SILTATION CONTROL FENCING, STRAW MULCH, ETC, AND MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION HAS BECOME ESTABLISHED IN THE SUBSEQUENT GROWING SEASON.
7. ALL EXPOSED SOIL MUST BE GRADED TO A STABLE SLOPE AND TREATED AS QUICKLY AS POSSIBLE TO PREVENT EROSION AND SEDIMENT FROM LEAVING THE SITE. ALL AREA STRIPPED OF VEGETATIVE COVER FOR LONGER THAN 30 DAYS SHALL BE TOPSOILED AND SEEDED AT THE DIRECTION OF THE ENGINEER.
8. ALL SITE DRAINAGE TO BE DIRECTED TO THE TEMPORARY SEDIMENT BASINS AND OTHER CHECK DAMS VIA SHEET DRAINAGE, BERMS OR SWALES (AS NECESSARY) TO FACILITATE THE COMPLETION OF GRADING WORKS. THE CONTRACTOR SHALL CONSTRUCT ANY ADDITIONAL SWALES OR BERMS THAT MAY BE NECESSARY TO DIRECT RUN–OFF IN A CONTROLLED MANNER OF SUITABLE QUALITY.
9. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE FROM PROPOSED CONSTRUCTION ACCESS VIA THE GRAVEL ACCESS PAD.
10. ANY DEWATERING WASTE SHALL BE DISCHARGED TO A VEGETATED AREA AT LEAST 30m FROM ANY WATERCOURSE AND FILTERED. FILTERING METHODS MUST BE APPROVED BY THE SITE INSPECTOR.
11. TECHNIQUES FOR EROSION AND SEDIMENT CONTROLS ARE TO ADHERE TO ACCEPTED ENGINEERING PRACTICE AND MUNICIPAL, CONSERVATION AUTHORITY AND ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS. THE CONTRACTOR SHALL OBTAIN A CURRENT COPY AND BECOME FAMILIAR WITH OPSS 805: CONSTRUCTION SPECIFICATION FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, AS WELL AS APPLICABLE MUNICIPAL STANDARDS AND/OR APPROVAL AGENCY STANDARDS.
12. THE CONTRACTOR MAY CONSIDER ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES, SUCH MEASURES MUST BE PRESENTED IN WRITING FOR APPROVAL BY THE CONTRACT ADMINISTRATOR AND MUST BE APPROVED IN WRITING BY THE APPLICABLE APPROVAL AGENCIES.
13. SEDIMENT CONTROL FENCE TO USE GEOTEXTILE WITH WEAVE DENSITY OF 270R TERRAFIX OR EQUIVALENT.
14. CHECK DAMS ARE TO BE USED IN ANY TEMPORARY DRAINAGE SWALES REQUIRED DURING THE CONSTRUCTION PERIOD.
15. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND SHALL BE DETERMINED BY THE ENGINEER OR THE TOWN OF MIDLAND.
16. ROCK CHECK DAMS ARE TO BE CLEANED OF ALL ACCUMULATED SEDIMENT AS SOON AS SEDIMENT HAS ACCUMULATED TO A DEPTH GREATER THAN 50% OF ALL UPSTREAM CHECK DAMS.
17. MATERIALS TO REPAIR DAMAGED ESC MEASURES MUST BE KEPT ON–SITE AT ALL TIMES.
18. ESC STRATEGIES ON THESE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES. FAILED ESC MEASURES MUST BE REPAIRED IMMEDIATELY.
19. SERVICING OF CONSTRUCTION EQUIPMENT ON SITE IS PROHIBITED.
20. THE CONTRACTOR MUST CLEAN ADJACENT ROADS ON A REGULAR BASIS. THE ROAD SHALL BE, AT A MINIMUM SCRAPED DAILY AND FLUSHED (IF NECCESSARY).
21. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK OR CALCIUM CHLORIDE IS TO BE PROVIDED ON–SITE AND HAUL ROADS/WORKING AREAS ARE TO BE TREATED AS REQUIRED TO ENSURE THAT DUST IS CONTROLLED ON–SITE.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS PROVIDED FOR CONTRACTOR GUIDANCE:

1. CONSTRUCT ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SILT FENCE, TREE PRESERVATION FENCE, CHECK DAMS, SWALES/BERMS, ETC.
2. STRIPPING AND REMOVAL OF TOPSOIL AND HARD SURFACES OFF–SITE.
3. PROCEED WITH EARTH EXCAVATION AND PRE–GRADING. PROCEED WITH SEEDING OF RESTORATION OF ALL DISTURBED AREAS AS DIRECTED BY ENGINEER. ALL AREAS STRIPPED OF VEGETATIVE COVER FOR LONGER THAN 15 DAYS SHALL BE HYDROSEEDED AT THE DIRECTION OF THE ENGINEER. HYDROSEED WITH FIBRETAC AT 100KG/HA. HYDROSEED MIXTURE OF 48% ANNUAL RYE GRASS, 48% FALL RYE, 4% RED CLOVER WILL NEED TO BE APPLIED TO EXPOSED AREAS FOLLOWING TOPSOIL STRIPPING.
4. PROCEED WITH SITE WORKS I.E. SITE SERVICING AND SURFACE WORKS INSTALLATIONS.
2. RESTORATION OF DISTURBED AREAS.
3. REMOVAL OF SEDIMENT AND EROSION CONTROLS.

NOTE SILTATION AND EROSION CONTROL MEASURES ARE TO BE MONITORED AND MAINTAINED THROUGHOUT CONSTRUCTION AND NECESSARY REPAIRS TO BE PROMPTLY COMPLETED AS REQUIRED.

CONTINGENCY PLAN

IF UNFORESEEN EVENTS CAUSE THE STRATEGIES SET OUT IN THIS PLAN TO BE INSUFFICIENT OR INAPPROPRIATE TO MEET THE OBJECTIVE, THE CONTRACTOR IS EXPECTED TO RESPOND IN A TIMELY MANNER WITH ALL REASONABLE MEASURES CONSISTENT WITH SAFETY, TO PREVENT, COUNTERACT OR REMEDY DOWNSTREAM SEDIMENTATION AND EROSION.

IF A SPILL OCCURS IT SHALL BE REPORTED TO THE MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS SPILLS ACTION CENTRE AT 1–800–268–6060.

IF APPROVAL AGENCIES DETERMINE THAT LONG TERM DAMAGE TO THE NATURAL ENVIRONMENT HAS OCCURRED DUE TO FAILURE OF THIS PLAN TO CONTROL SEDIMENTS, A RESTORATION PLAN WILL BE DEVELOPED BY THE CONTRACTOR IN CONSULTATION WITH AND APPROVAL FROM THE APPROPRIATE AGENCIES FOR IMPLEMENTATION BY THE CONTRACTOR.

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

NO.	REVISIONS	DATE	INITIAL
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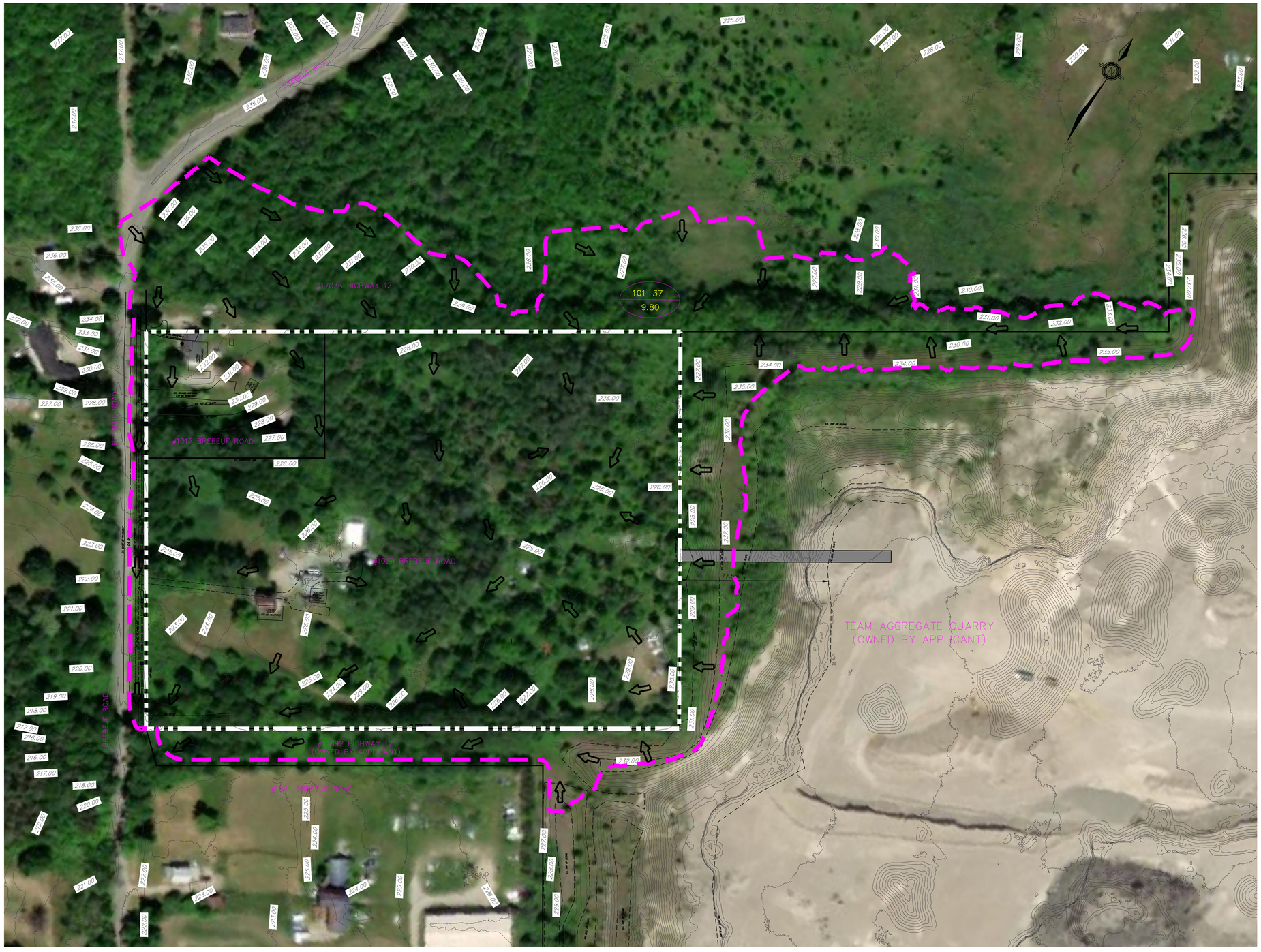
LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

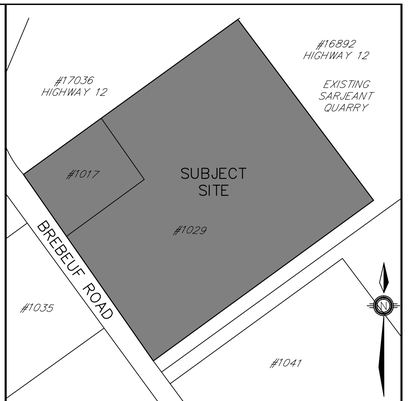
1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

EROSION AND SEDIMENT CONTROL PLAN NOTES AND DETAILS

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN DR	SCALE: 1:500	DATE JULY 2024
DRAWN KS	PROJECT SAR–23058	DWG. Nº ESC–4
CHECKED DR		





KEYPLAN
NTS

LEGEND

- CATCHMENT AREA BOUNDARY
- LIMIT OF DEVELOPMENT
- DIRECTION OF PRE-DEVELOPMENT OVERLAND FLOW
- 253.00 EXISTING CONTOUR AND ELEVATION
- CATCHMENT AREA ID NUMBER
- 101 | 0.40 / 41.67 — CN*(II) VALUE (OTTHYMO NASHYD) OR % IMPERVIOUS (OTTHYMO STANDHYD); AREA (ha.)

BENCHMARK:

0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENSE – ONTARIO

NO.	REVISIONS	DATE	INITIAL
1.	IN SUPPORT OF OPA, ZBLA & SPA	JULY 2024	MG

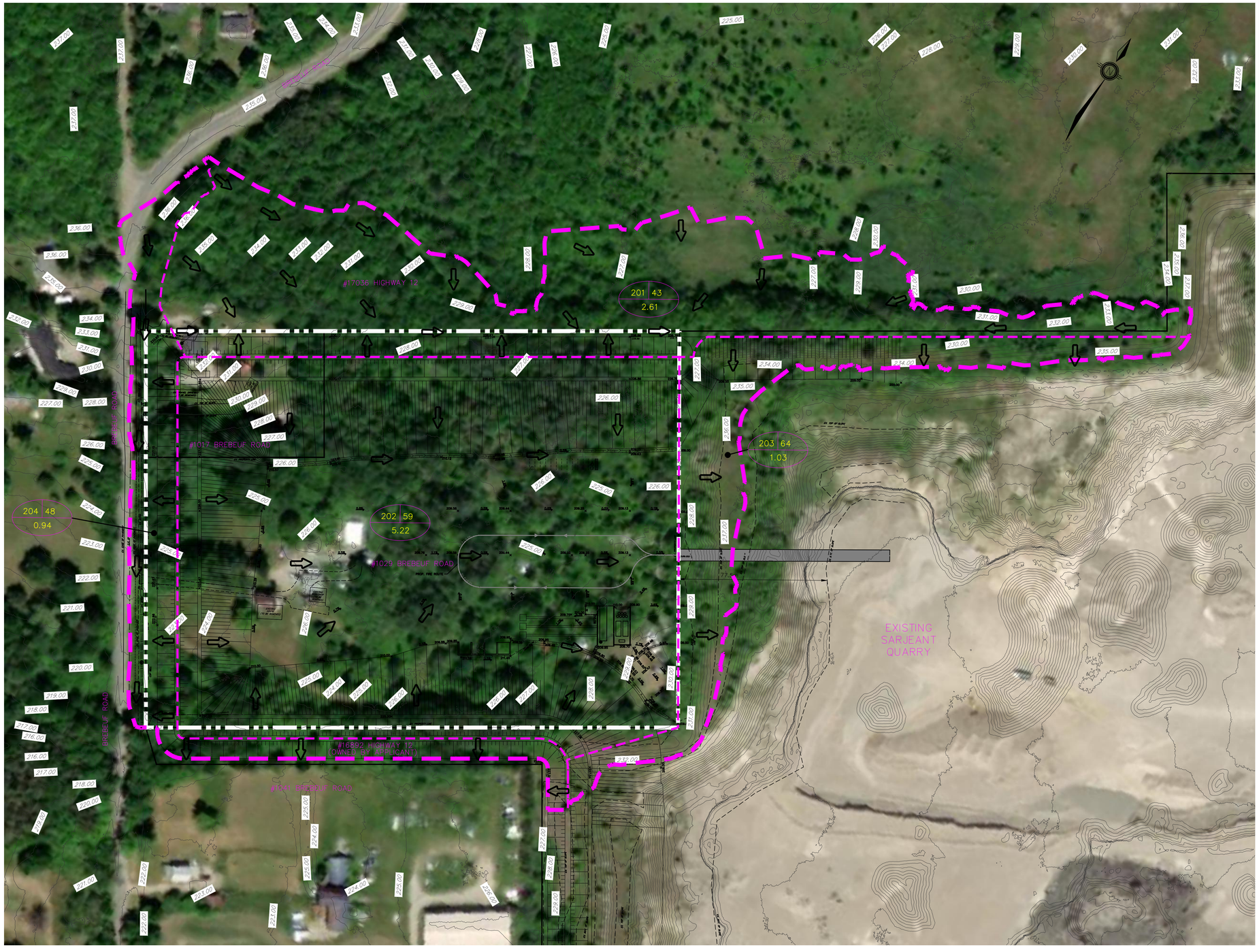
LICENSED PROFESSIONAL ENGINEER
M. D. GALLANT
100535706
2024-08-07
PROVINCE OF ONTARIO

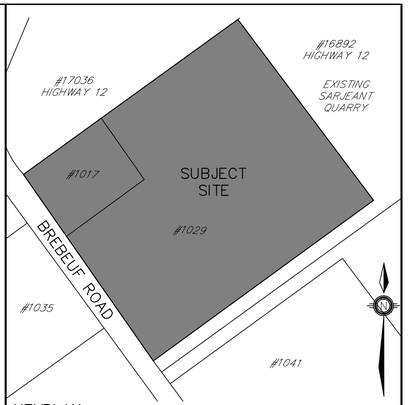
1017 & 1029 BREBEUF ROAD
TOWN OF MIDLAND

PRE-DEVELOPMENT STORMWATER MANAGEMENT PLAN

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	MG	SCALE: 1:1000	DATE JULY 2024
DRAWN	CG	PROJECT SAR-23058	DWG. Nº SWM-1
CHECKED	DR		





KEYPLAN
NTS

LEGEND

- OVERALL CATCHMENT AREA BOUNDARY
- MINOR CATCHMENT AREA BOUNDARY
- LIMIT OF DEVELOPMENT
- DIRECTION OF PRE-DEVELOPMENT OVERLAND FLOW
- 253.00 EXISTING CONTOUR AND ELEVATION
- CATCHMENT AREA ID NUMBER
- 101 | 0.40 / 41.67
  - CN*(II) VALUE (OTTHYMO NASHYD) OR % IMPERVIOUS (OTTHYMO STANDHYD)
  - AREA (ha.)

BENCHMARK:
0011971U523

MIDLAND – HIGHWAY NO. 12 BRIDGE OVER WYE RIVER, 4.5km SOUTHEAST OF POST OFFICE AND IMMEDIATELY WEST OF MARTYRS SHRINE, TABLET IN SOUTHWEST OUTSIDE FACE OF COPING, 1.28m BELOW TOP OF CONCRETE END POST AND 34cm NORTHWEST OF SOUTHEAST END.

VERT. ORDER: FIRST ORDER
ELEVATION: 182.460m

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POST-DEVELOPMENT STORMWATER MANAGEMENT PLAN

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Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	MG	SCALE: 1:1000	DATE JULY 2024
DRAWN	CG	PROJECT SAR-23058	DWG. Nº SWM-2
CHECKED	DR		