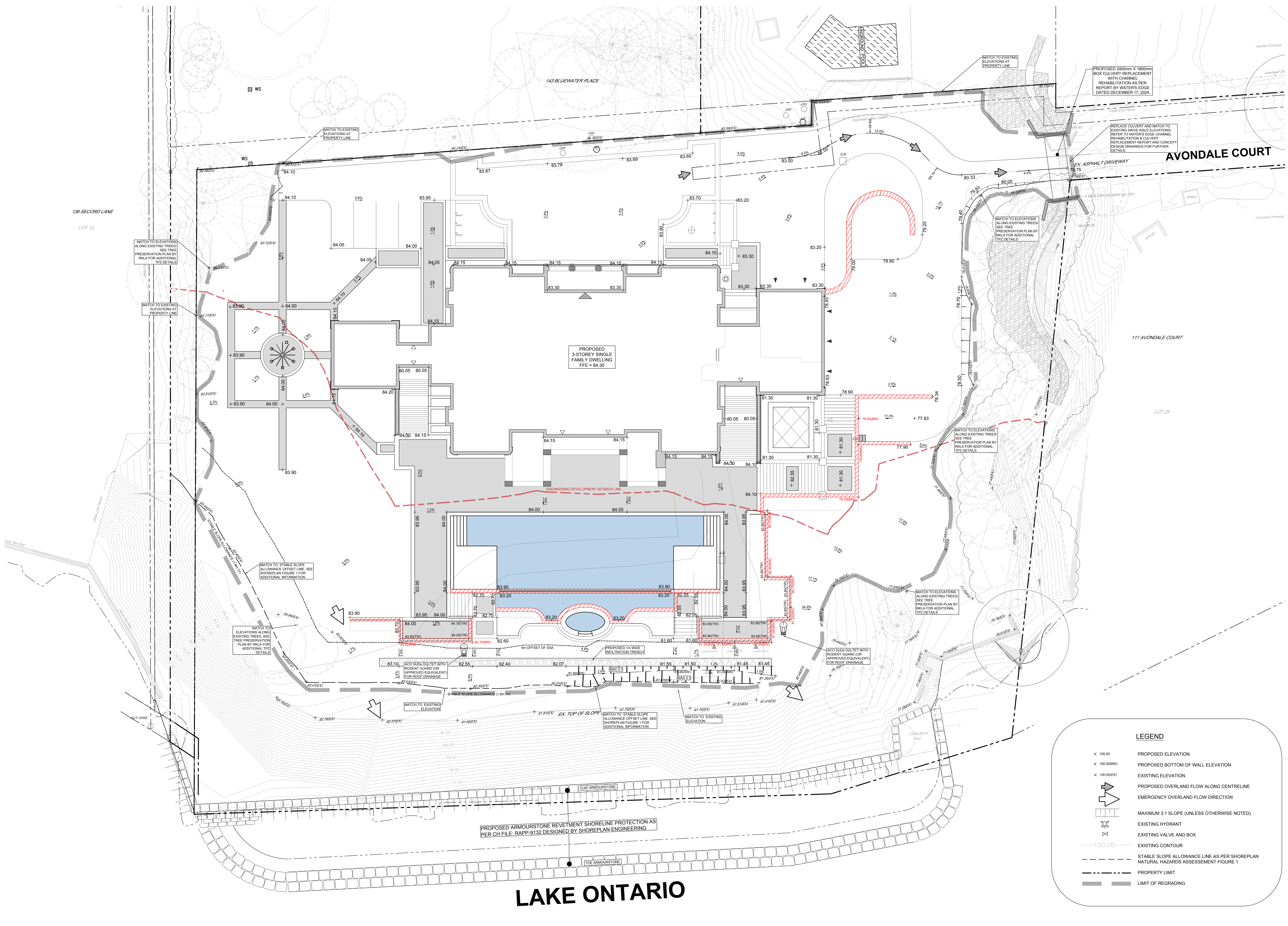


REVISION BLOCK

#	DATE	DESCRIPTION
1.	12/19/24	ISSUED FOR ZBA

REGISTERED PROFESSIONAL ENGINEER
B.JACKSON
100210382
DEC. 4, 2024
PROVINCE OF ONTARIO

KWA SITE DEVELOPMENT CONSULTING INC.
2453 Auckland Drive
Burlington, ON L7L 7A9

NORTH ARROW

METRIC SCALE
0 5 10 Meters
1:200

LEGEND

- × 100.00 — PROPOSED ELEVATION
- × 100.00(BW) — PROPOSED BOTTOM OF WALL ELEVATION
- × 100.00(EX) — EXISTING ELEVATION
- PROPOSED OVERLAND FLOW ALONG CENTRELINE
- EMERGENCY OVERLAND FLOW DIRECTION
- MAXIMUM 3:1 SLOPE (UNLESS OTHERWISE NOTED)
- EXISTING HYDRANT
- EXISTING VALVE AND BOX
- 100.00 — EXISTING CONTOUR
- STABLE SLOPE ALLOWANCE LINE AS PER SHOREPLAN NATURAL HAZARDS ASSESSEMENT FIGURE 1
- PROPERTY LIMIT
- LIMIT OF REGRADING

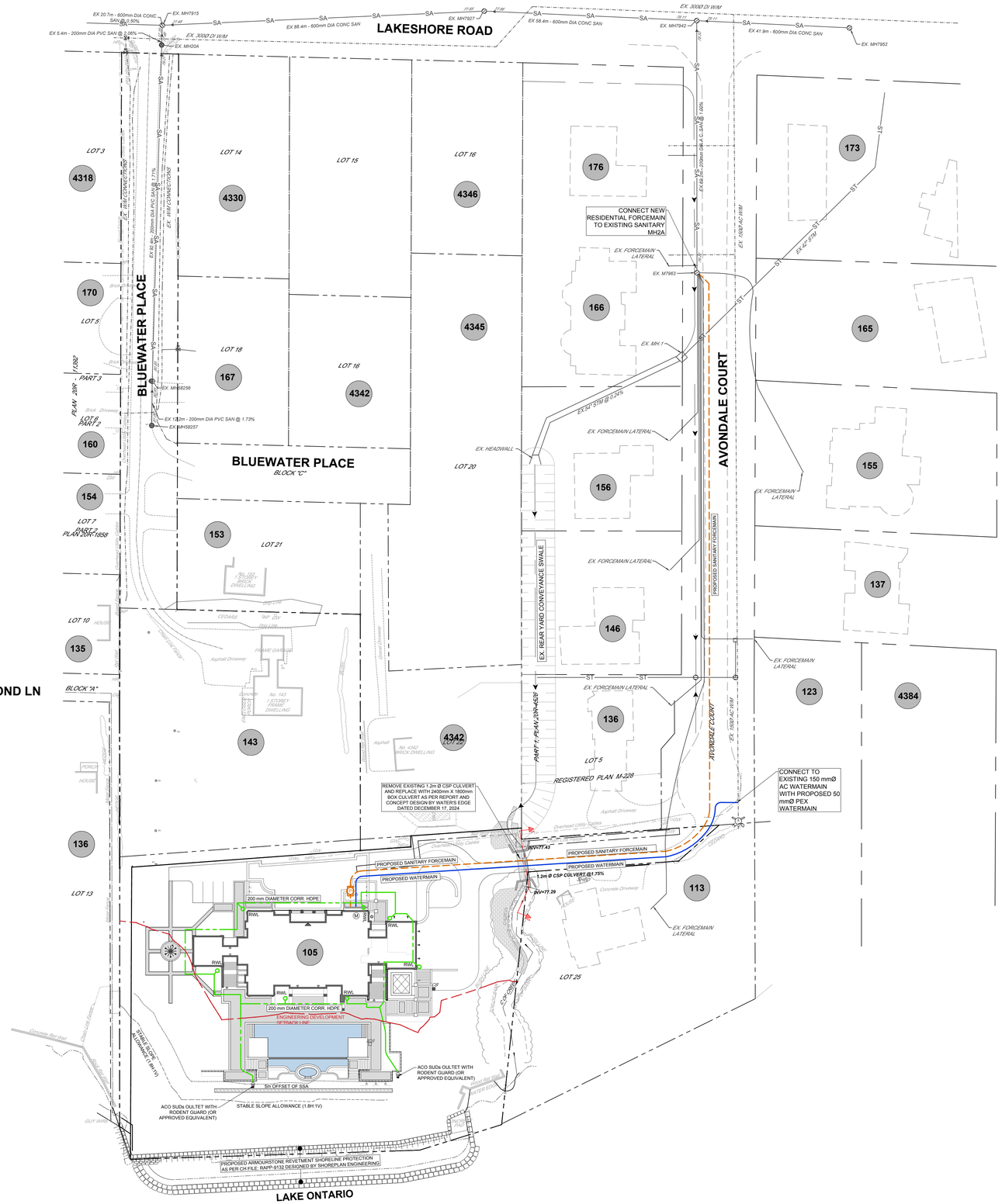
SITE GRADING PLAN

PRIVATE RESIDENCE

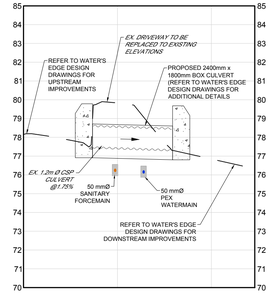
105 AVONDALE COURT
BURLINGTON, ON

PROJECT No: 24056
DRAWN BY: BJ
CHECKED BY: RA

SGP



1-1 PROPOSED CULVERT CROSSING



H: 1:300
v: 1.150

LEGEND

- ST — EXISTING STORM SEWER
- EXISTING WATERMAIN\
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 78.15 SA 78.20 — EXISTING SANITARY SEWER (WITH INVERTS)
- EXISTING SANITARY MANHOLE
- PROPOSED 50 mm DIAMETER PEX WATERMAIN
- PROPOSED 200 mm DIAMETER HDPE SEWER FOR SUBDRAINAGE AND ROOF DRAINAGE CONVEYANCE
- RWL — PROPOSED RAIN WATER LEADER DIRECTED UNDERGROUND
- PROPOSED 50 mm DIAMETER FORCEMAIN
- 3600L PUMP CHAMBER
- P — DUPLEX GRINDER PUMP (MIN. 1.25 L/S)
- M — WATER METER

REVISION BLOCK

#	DATE	DESCRIPTION
1.	12/19/24	ISSUED FOR ZBA

REGISTERED PROFESSIONAL ENGINEER
B.JACKSON
100210382
DEC 4, 2024
PROVINCE OF ONTARIO

KWA SITE DEVELOPMENT CONSULTING INC.
2355 Main Street, Unit 1
Burlington, ON L7L 7A9

NORTH ARROW

METRIC SCALE
0 15 30
1:600

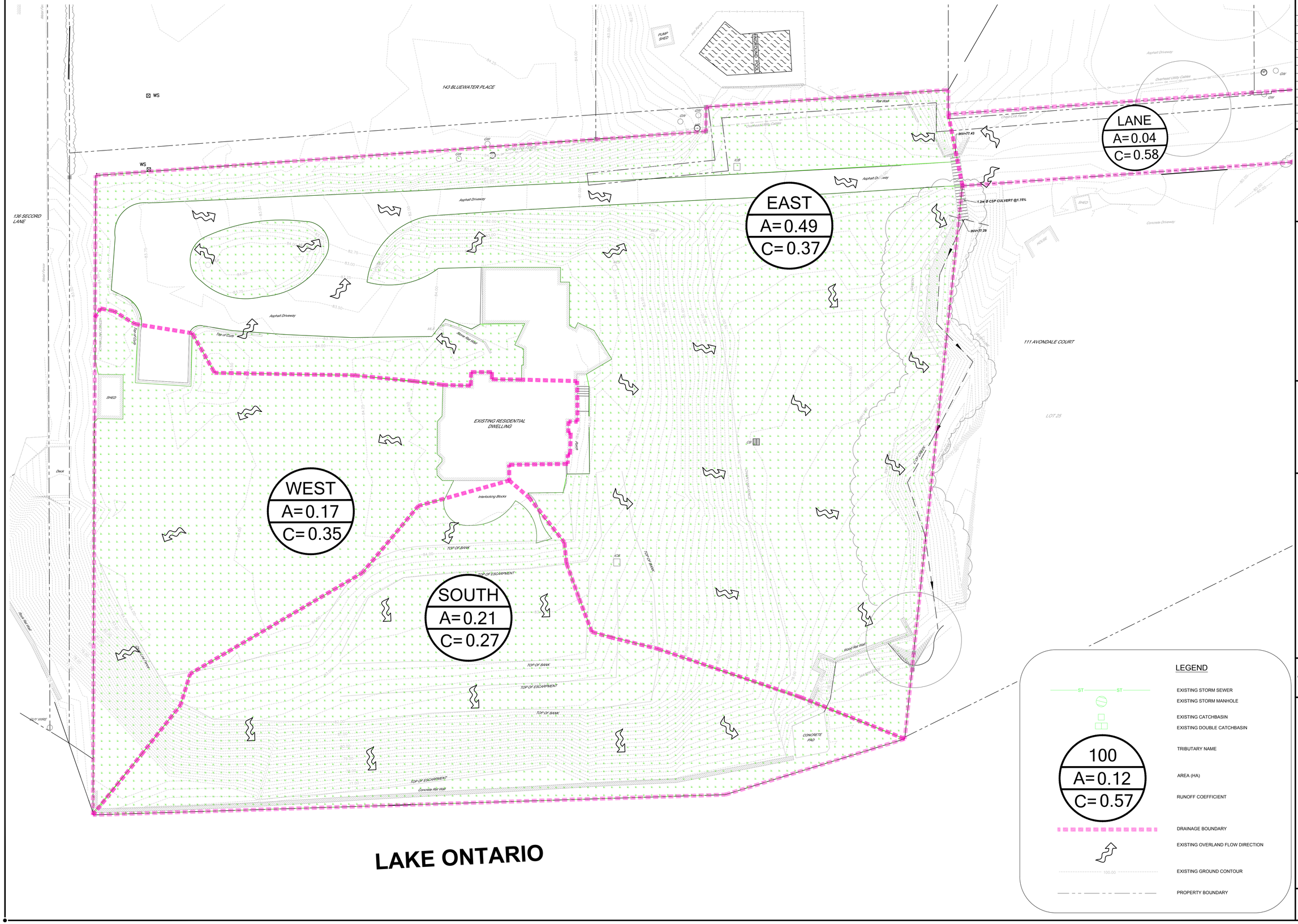
SITE SERVICING PLAN

PRIVATE RESIDENCE

105 AVONDALE COURT
BURLINGTON, ON

CHECKED BY: RA
DRAWN BY: BJ
PROJECT No: 24056

SSP



REVISION BLOCK

#	DATE	DESCRIPTION
1.	12/19/24	ISSUED FOR ZBA

KWA SITE DEVELOPMENT CONSULTING INC.
2245 Millcreek Drive, Unit 1
Burlington, ON L7L 7A9

NORTH ARROW

LEGEND

- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING CATCHBASIN
- EXISTING DOUBLE CATCHBASIN
- TRIBUTARY NAME (e.g. 100)
- AREA (HA) (e.g. A=0.12)
- RUNOFF COEFFICIENT (e.g. C=0.57)
- DRAINAGE BOUNDARY
- EXISTING OVERLAND FLOW DIRECTION
- EXISTING GROUND CONTOUR (e.g. 100.00)
- PROPERTY BOUNDARY

METRIC SCALE
0 5 10 Meters
1:200

EXISTING DRAINAGE PLAN

PRIVATE RESIDENCE

105 AVONDALE COURT
BURLINGTON, ON

PROJECT No: 24056 | DRAWN BY: BJ | CHECKED BY: RA

EDP

HEDGE

138 SECORD LANE

143 BLUEWATER PLACE

AVONDALE COURT

LANE
A= 0.04
C= 0.58

PROPOSED 2400mm X 1800mm BOX CULVERT REPLACEMENT WITH CHANNEL REHABILITATION AS PER REPORT BY WATER'S EDGE DATED DECEMBER 17, 2024

1.2m Ø CSP CULVERT @1.75%

INV=77.43

INV=77.29

REPLACE CULVERT AND MATCH TO EXISTING DRIVE AISLE ELEVATIONS. REFER TO WATER'S EDGE CHANNEL REHABILITATION & CULVERT REPLACEMENT REPORT AND CONCEPT DESIGN DRAWINGS FOR FURTHER DETAILS.

111 AVONDALE COURT

LOT 25

POST-W
A= 0.04
C= 0.36

105

POST-E
A= 0.32
C= 0.55

POST-S
A= 0.51
C= 0.55

RWL

200 mm DIAMETER CORR. HDPE

ENGINEERING DEVELOPMENT SETBACK LINE

STABLE SLOPE ALLOWANCE (1.8H:1V)

ACO SUDs OULTET WITH RODENT GUARD (OR APPROVED EQUIVALENT)

ACO SUDs OULTET WITH RODENT GUARD (OR APPROVED EQUIVALENT)

PROPOSED ARMOURSTONE REVETMENT SHORELINE PROTECTION AS PER CH FILE: RAPP-9132 DESIGNED BY SHOREPLAN ENGINEERING

LAKE ONTARIO

LEGEND

- PROPOSED 200 mm DIAMETER HDPE SEWER FOR SUBDRAINAGE AND ROOF DRAINAGE CONVEYANCE
- PROPOSED RAIN WATER LEADER DIRECTED UNDERGROUND
- TRIBUTARY NAME
- AREA (HA)
- RUNOFF COEFFICIENT
- DRAINAGE BOUNDARY
- PROPERTY BOUNDARY

RWL

CBMH1
A= 0.09
C= 0.38

REVISION BLOCK

#	DATE	DESCRIPTION
1.	12/19/24	ISSUED FOR ZBA

KWA SITE DEVELOPMENT CONSULTING INC.
2255 Mountainside Drive
Burlington, ON L7L 7A9

NORTH ARROW

METRIC SCALE

0 5 10 Meters

1:200

PROPOSED DRAINAGE PLAN

PRIVATE RESIDENCE

105 AVONDALE COURT
BURLINGTON, ON

PROJECT No: 24056 | DRAWN BY: BJ | CHECKED BY: RA

PDP