ACCESS EROSION SITE 1A AND 1B FROM LAKESHORE ROAD

RECESS AND RETROFIT STORM OUTFALL WITH NEW HEADWALL

TERRESTRIAL CLAY BENCH AND ABUTMENT PROTECTION

NATURAL CHANNEL DESIGN FOR BANK PROTECTION

ENHANCED PERMANENT EROSION PROTECTION

PROTECT POTENTIAL BUTTERNUTS

ENHANCED VEGETATED BUFFER TO PROTECT PRIVATE PROPERTIES

PROTECT POTENTIAL BUTTERNUT

CHANNEL RE-ALIGNMENT TO PROTECT PRIVATE PROPERTY

EROSION SITE 1A

EROSION SITE 1B

REACH 1

REACH 2

LAKESHORE RD.

Lake Ontario

PROPOSED EASEMENT

350mm Ø CONC. SAN F.M.

375mm Ø CONC. SAN F.M.

600mm Ø CPP SAN F.M.

615mm Ø CONC. STORM SEWER

600 mm Ø SEWER UNKNOWN MATERIAL

300mm Ø CONC. SANITARY SEWER

200mm Ø CONC. SANITARY SEWER

825mm Ø CONC. STORM SEWER

300mm Ø PVC WATERMAIN

300mm Ø CONC. STORM SEWER

200mm Ø CONC. SANITARY SEWER

GAS

5086

5052

5047

5041

5053

149

141

139

133

127

121

115

107

103

0 20 40 Meters

N



Key Map – NTS

No.	REVISION	By	DATE
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LEGEND

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- WATERMAIN
- GAS LINE
- PIPELINE
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JOB TITLE

Appleby Creek Erosion Control E.A.
BURLINGTON, ONTARIO

SHEET TITLE

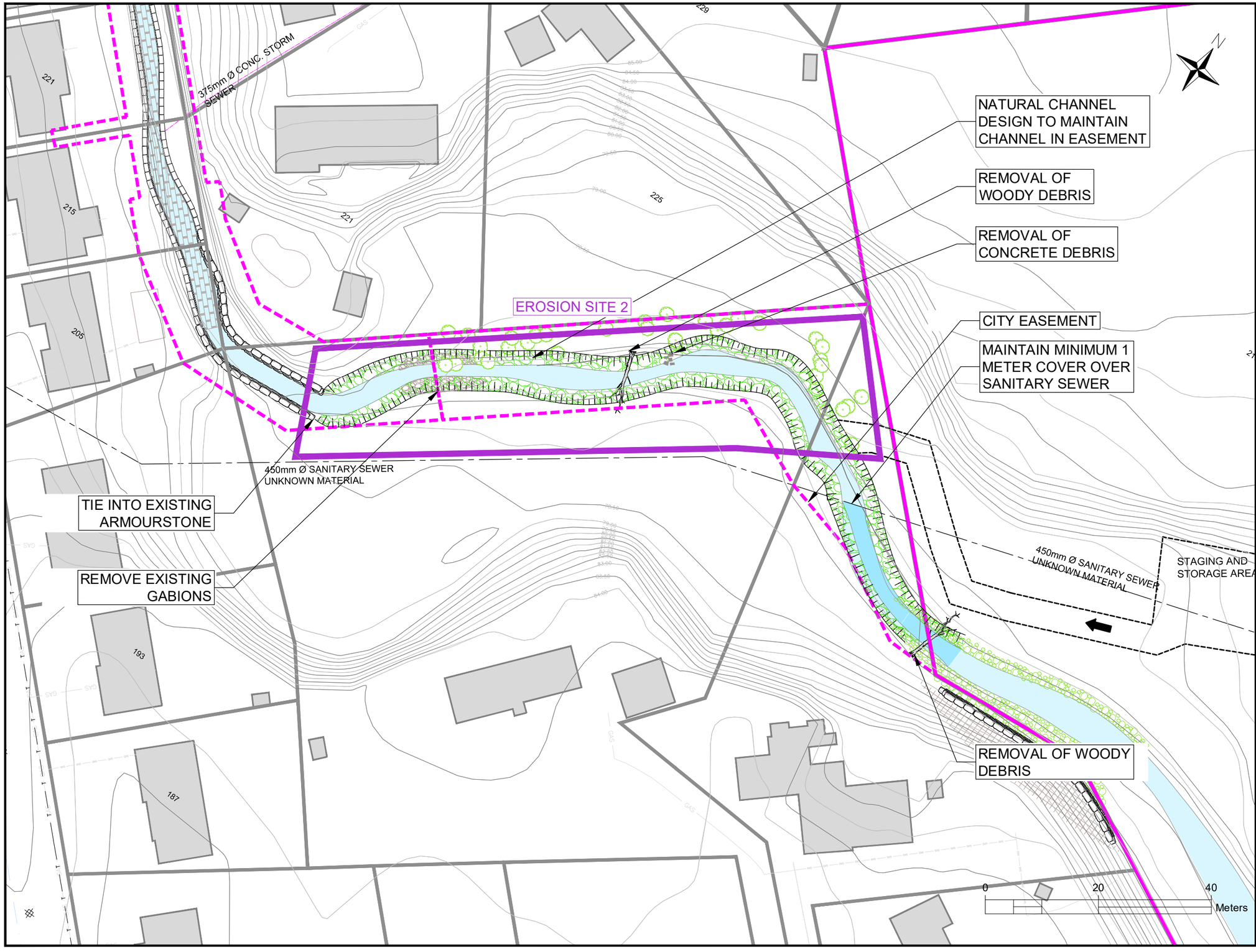
EROSION SITE 1A & 1B CONCEPTUAL DESIGN

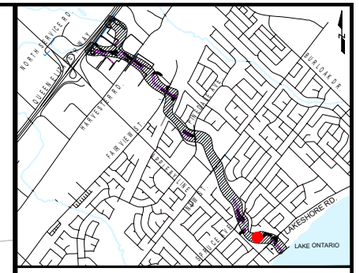
DESIGNED BY:	APPROVED BY:

CITY OF Burlington

Aquafor Beech Limited
#6-202-2600 SKYMARK Ave,
MISSISSAUGA, ONTARIO, L4W 5B2
PHONE: (905) 629-0099, FAX: (905) 629-0089

SCALE: HOR.–1:350	REVIEWED BY:	CONTRACT No.	
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DATE: 03 SEPTEMBER, 2019	SHEET NO:	DRAWING No.	





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BURLINGTON, ONTARIO

SHEET TITLE

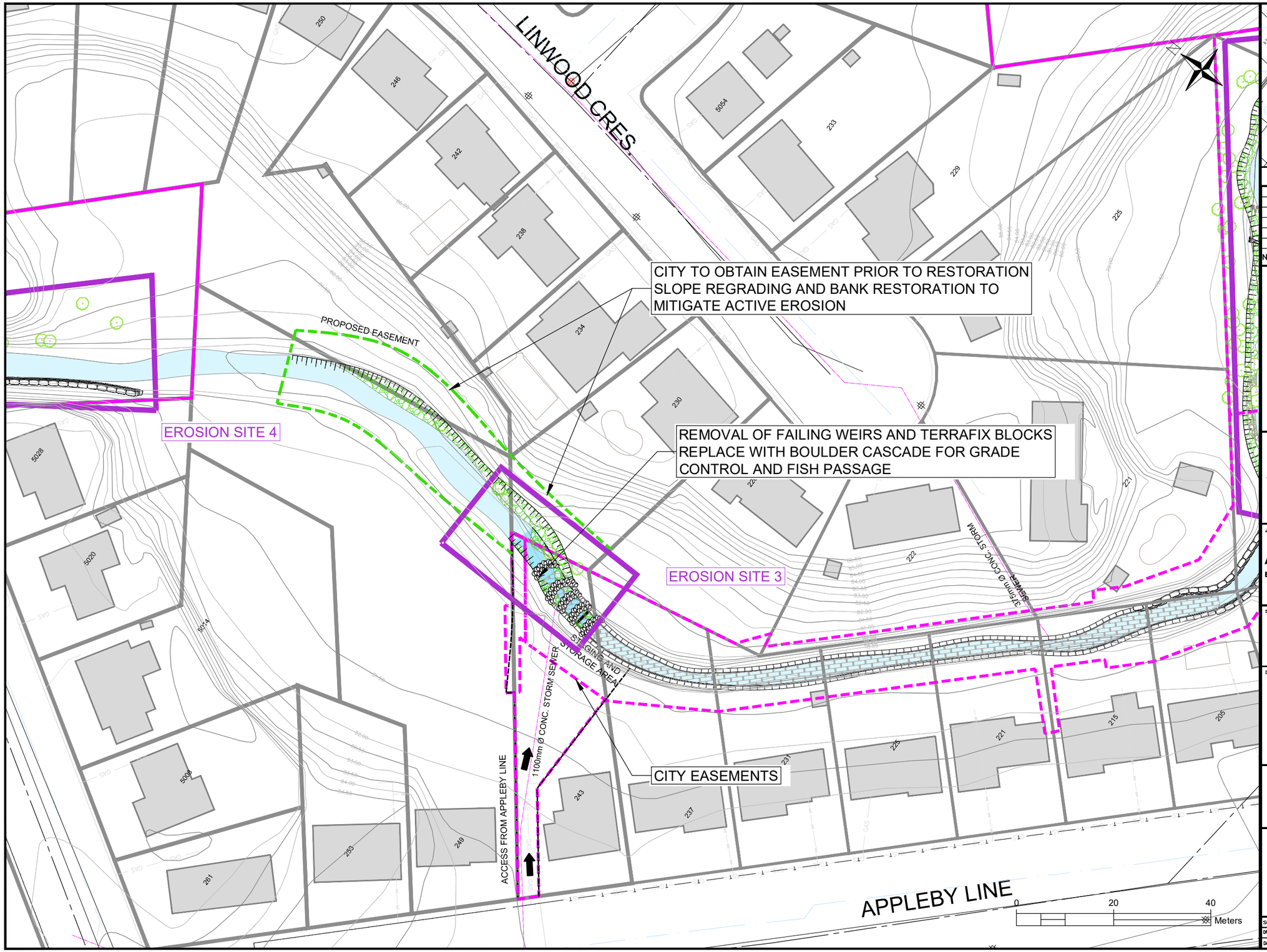
EROSION SITE 2 CONCEPTUAL DESIGN

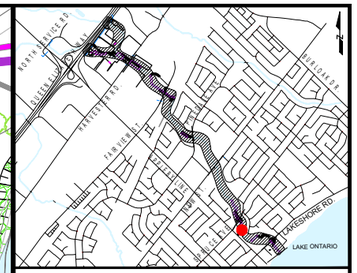
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JOB TITLE

Appleby Creek Erosion Control E.A.

BURLINGTON, ONTARIO

SHEET TITLE

EROSION SITE 3 CONCEPTUAL DESIGN

DESIGNED BY:	APPROVED BY:

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Aquafor Beech Limited
#6-202-2600 SKYMARK Ave,
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CITY TO OBTAIN EASEMENT OVER CHANNEL THROUGH SCHOOL PROPERTY

REMOVAL OF WOODY DEBRIS

EROSION SITE 5

CHANNEL REALIGNMENT WITHIN CITY PROPERTY RESTORE WITH NATURAL CHANNEL DESIGN

SLOPE TOE PROTECTION

NATURAL CHANNEL DESIGN FOR TOE BANK PROTECTION

CITY TO OBTAIN EASEMENT BANK PROTECTION WITH NATURAL CHANNEL DESIGN

REMOVE AND REPAIR ARMOURSTONE TOE PROTECTION

EROSION SITE 4

SPRUCE AVE.

BAYFIELD CRES.

CENABER CT.

REACH 3

REACH 2

300mm Ø CONC STORM SEWER

450mm Ø CONC STORM SEWER

250mm Ø PVC STORM SEWER

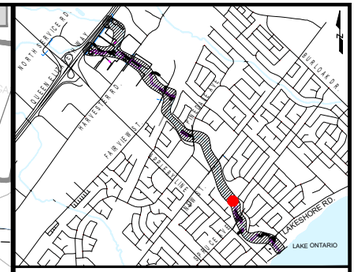
300MM Ø PVC WATERMAIN

ACCESS FROM SPRUCE AVENUE

STAGING AND STORAGE AREA

PROPOSED EASEMENT

0 40 80 Meters



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JOB TITLE

Appleby Creek Erosion Control E.A.

BURLINGTON, ONTARIO

SHEET TITLE

EROSION SITE 4 & 5 CONCEPTUAL DESIGN

DESIGNED BY:	APPROVED BY:

CITY OF Burlington

Aquafor Beech Limited
#6-202-2600 SKYMARK Ave,
MISSISSAUGA, ONTARIO, L4W 5B2
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BRIDLE WOOD

602
600
596
590
586
582
578
574
512

NATURAL CHANNEL DESIGN FOR BANK PROTECTION

ACCESS FROM PINEDALE AVENUE

REMOVE/ REUSE OF RIP-RAP TO REPAIR BANK WITH NATURAL CHANNEL DESIGN TECHNIQUES

SLAGING AND STORAGE AREA

1.5m TERRACE WITH LIMITED PLANTINGS

EROSION SITE 6

RE-ESTABLISH STABLE CHANNEL CROSS-SECTION

INFORMAL TRAIL TERRACE SECTION WITHIN STABLE SLOPE

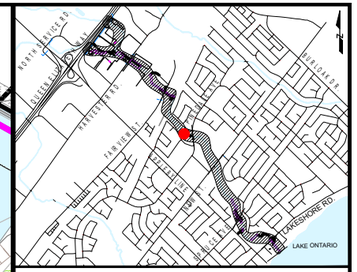
5105
5105
5105
5105
5105
5105

603
601
599
597
595
593
591
589
587
585
545

1050mm Ø CONC. STORM SEWER

SHERATON RD.

0 20 40 Meters



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JOB TITLE

Appleby Creek Erosion Control E.A.
BURLINGTON, ONTARIO

SHEET TITLE

EROSION SITE 6
CONCEPTUAL DESIGN

DESIGNED BY:	APPROVED BY:

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CITY TO OBTAIN EASEMENT FOR SECONDARY ACCESS POINT

OVAL CRT.

PROPOSED EASEMENT

REMOVAL OF WOODY DEBRIS

ENGINEERED CHANNEL DESIGN TO ENHANCE CONVEYANCE & PROTECT PRIVATE PROPERTIES

EROSION SITE 7B

CITY TO OBTAIN EASEMENT

TRANS-NORTHERN PIPELINES INC.

FIX CHANNEL PLANFORM BELOW BRIDGE

EROSION SITE 7A

STAGING

CENTENNIAL BIKEWAY

ACCESS FROM FAIRVIEW STREET

STORM POND STORAGE AREA

REACH 6

REACH 5

600mm Ø CONC. STORM SEWER

1050mm Ø CONC. STORM SEWER

1800mm Ø CONC. STORM SEWER

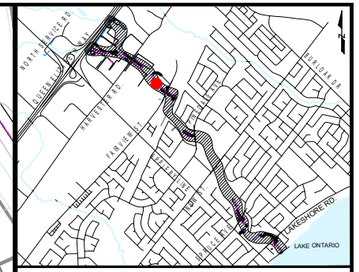
450mm Ø CPP WATERMAIN

FAIRVIEW STREET

METROLINX RAIL CORRIDOR

APPLEBY GO STATION

0 20 40 Meters



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BURLINGTON, ONTARIO

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EROSION SITE 7A & 7B CONCEPTUAL DESIGN

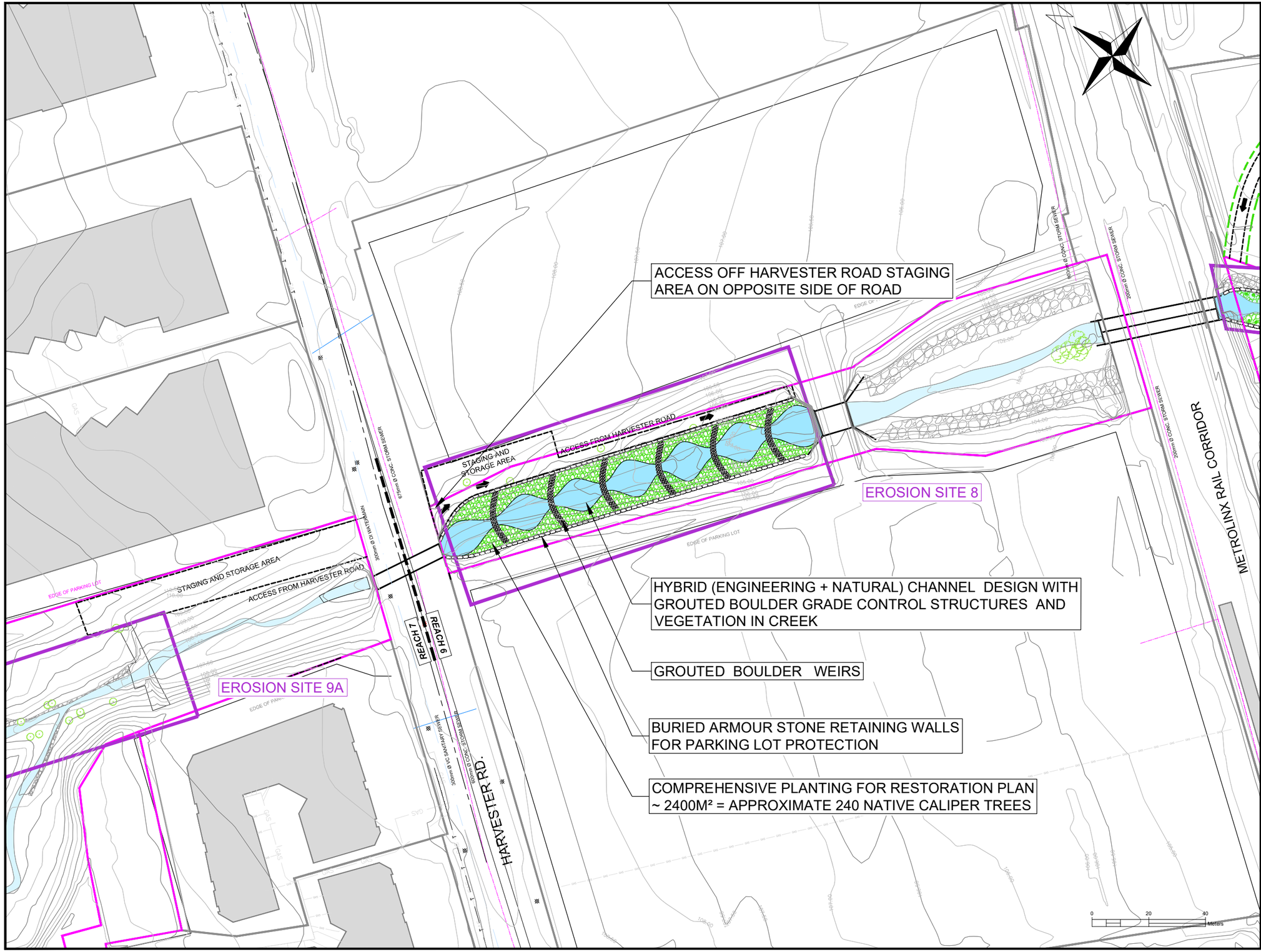
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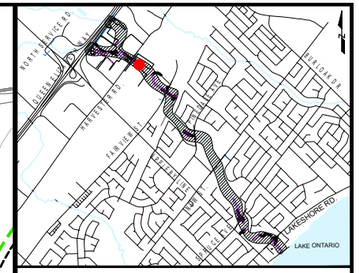
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BURLINGTON, ONTARIO

SHEET TITLE

EROSION SITE 8 CONCEPTUAL DESIGN

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REMOVAL OF WOODY DEBRIS USING HAND TOOLS AND SMALL EQUIPMENTS AT TOP OF BANK

PEDESTRIAN BRIDGE

NATURAL CHANNEL DESIGN

GROUTED BOULDER WEIR

EROSION SITE 9A

EROSION SITE 8

REMOVAL OF TERRAFIX GRADE CONTROL STRUCTURE

NATURAL CHANNEL DESIGN FOR BANK PROTECTION

CITY TO OBTAIN EASEMENT FOR ACCESS AND CHANNEL RESTORATION

EROSION SITE 9B

MINOR REPAIR TO TERRAFIX

REMOVAL OF WOODY DEBRIS

HYDRO POLES TO BE RELOCATED TO OUTSIDE OF CHANNEL

QUEEN ELIZABETH WAY

SOUTH SERVICE ROAD

HARVESTER RD

REACH 7

REACH 8

REACH 9

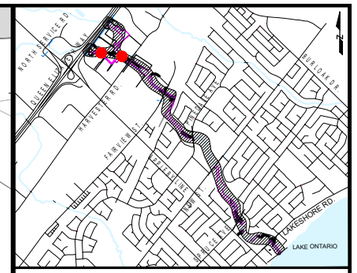
STAGING AND STORAGE AREA

ACCESS FROM HARVESTER ROAD

ACCESS FROM SOUTH SERVICE ROAD

PROPOSED EASEMENT

0 50 100 Meters



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BURLINGTON, ONTARIO

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EROSION SITE 9A & 9B CONCEPTUAL DESIGN

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