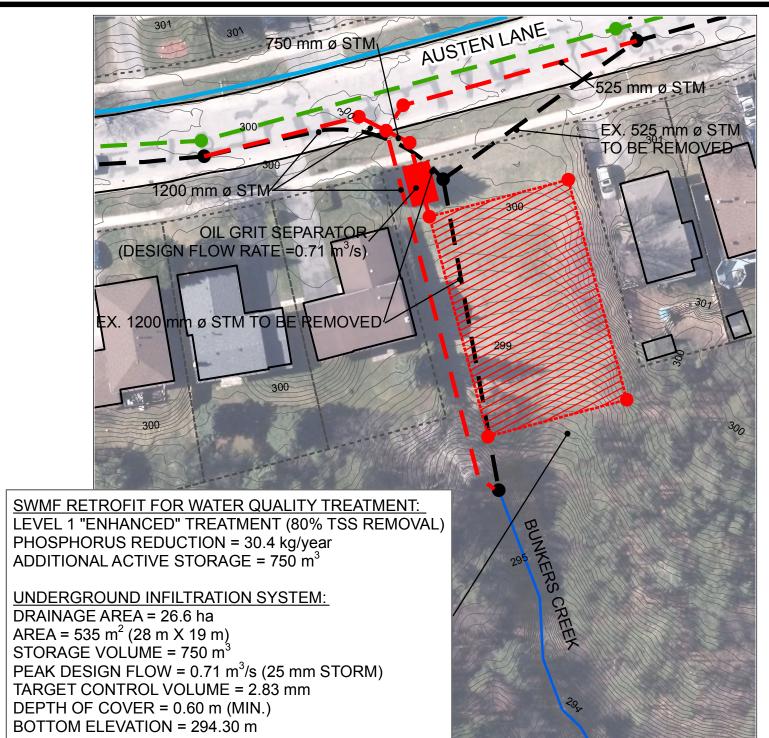
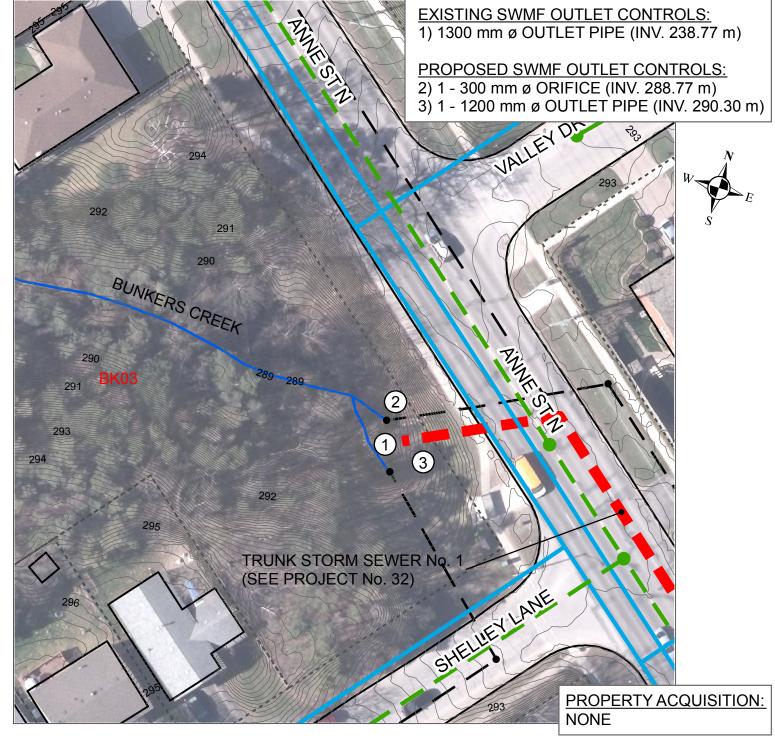
Appendix N: Final Preferred Solutions Conceptual Designs - Bunkers Creek Watershed









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LEGEND

PR STORM MAINTENANCE HOLE

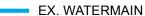
PR. STORM SEWER

EX. SANITARY SEWER

EX. SANITARY MAINTENANCE HOLE



PR. LID



EX. STORM MAINTENANCE
 HOLE

PROPERTY ACQUISITION

EX. STORM SEWER

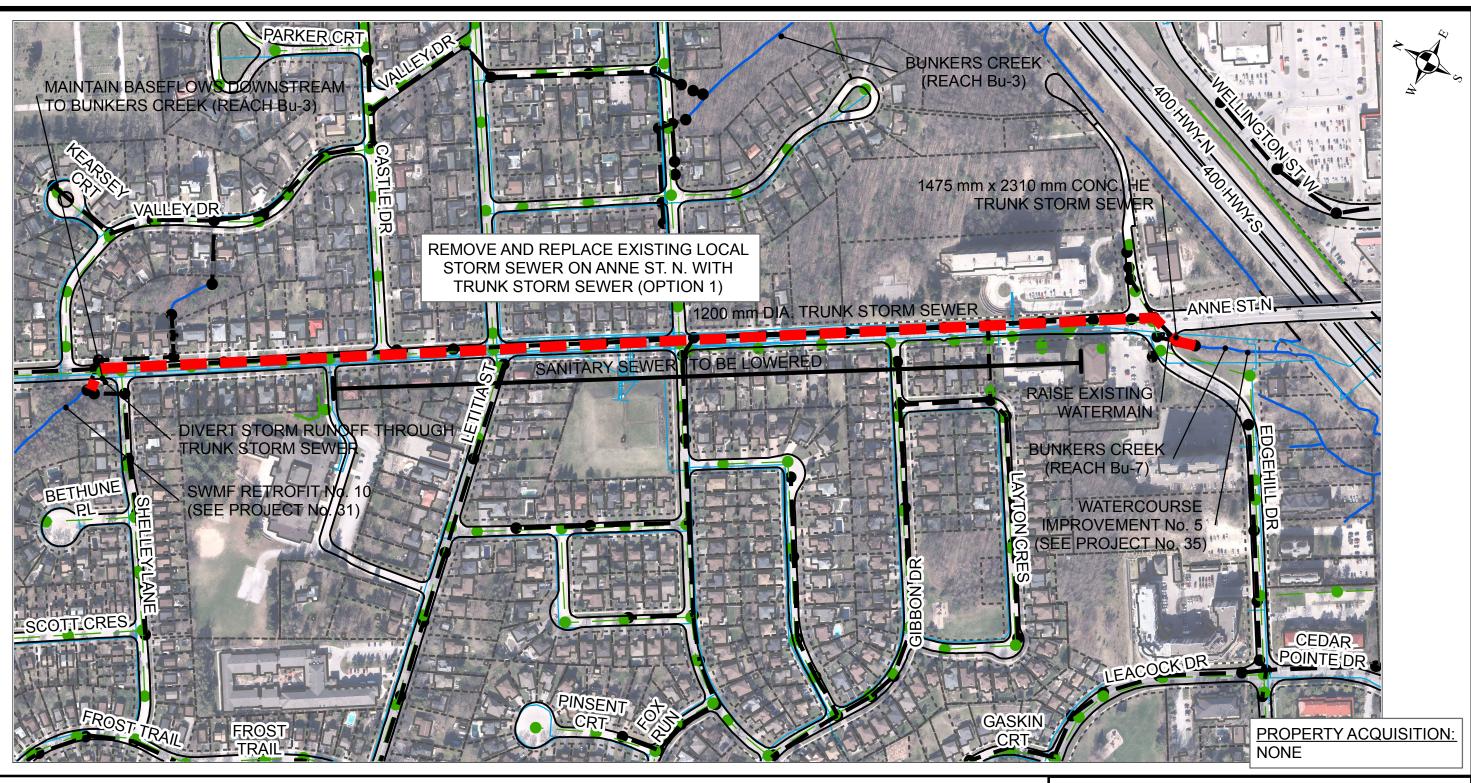
EX. WATERCOURSE

FINAL PREFERRED ALTERNATIVE SOLUTION

DRAINAGE MASTER PLAN

PROJECT No. 31 SWMF RETROFIT No. 10 (BK03) BUNKERS CREEK WATERSHED

SCALE = 1:500



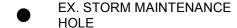




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LEGEND

EX. WATERCOURSE







EX. PROPERTY LINE
PROPERTY ACQUISITION

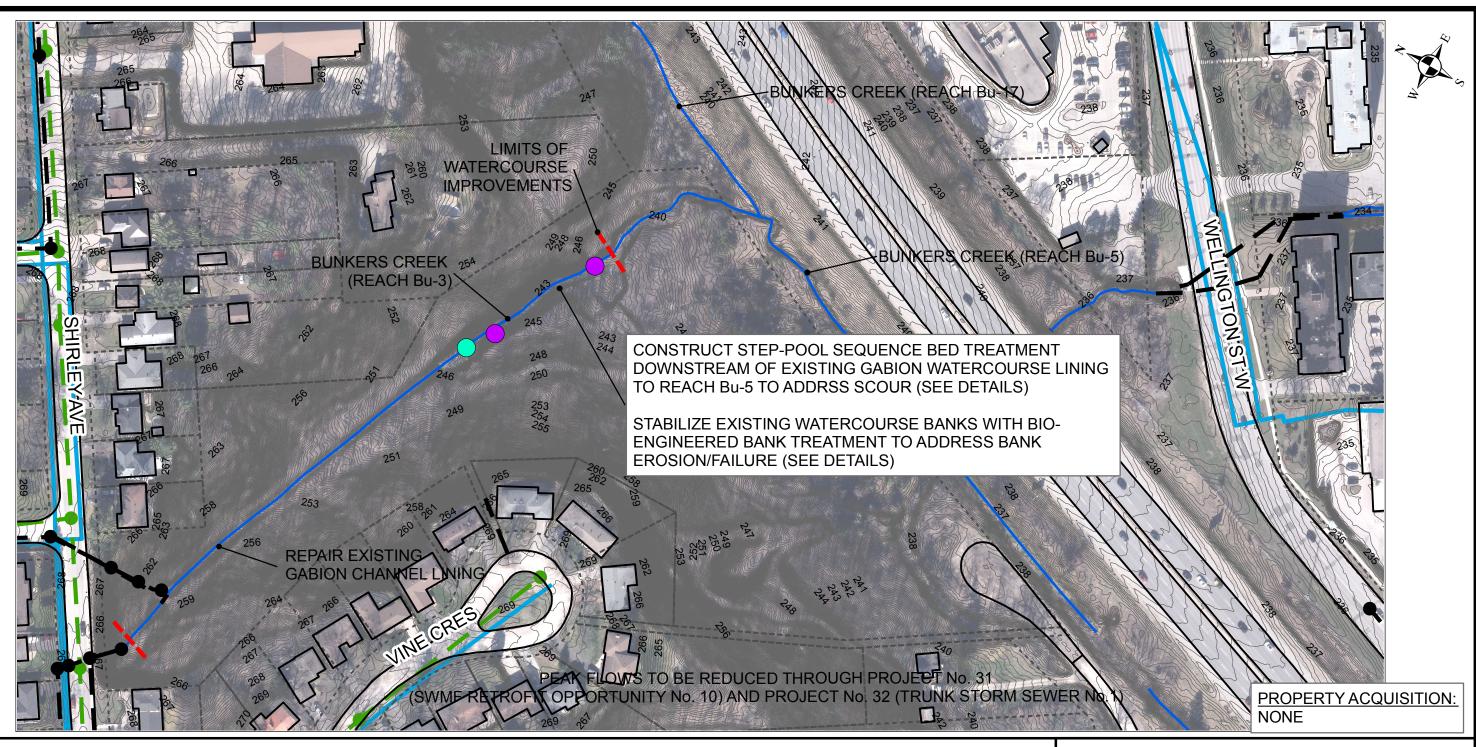
- TRUNK STORM SEWER (PREFERED ROUTE)
- EX. SANITARY MAINTENANCE HOLE
- EX. SANITARY SEWER

EX. WATERMAIN

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 32 TRUNK STORM SEWER No. 1 BUNKERS CREEK WATERSHED

SCALE = 1:3,500







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LEGEND

BANK EROSION

BED EROSION/ KNICKPOINT

INFRASTRUCTURE AT RISK

PR. STORM MAINTENANCE HOLE

PR. STORM SEWER

EX. SANITARY MAINTENANCE HOLE

EX. SANITARY SEWER

EX. WATERCOURSE

EX. WATERMAIN

EX. STORM MAINTENANCE HOLE

EX. STORM SEWER

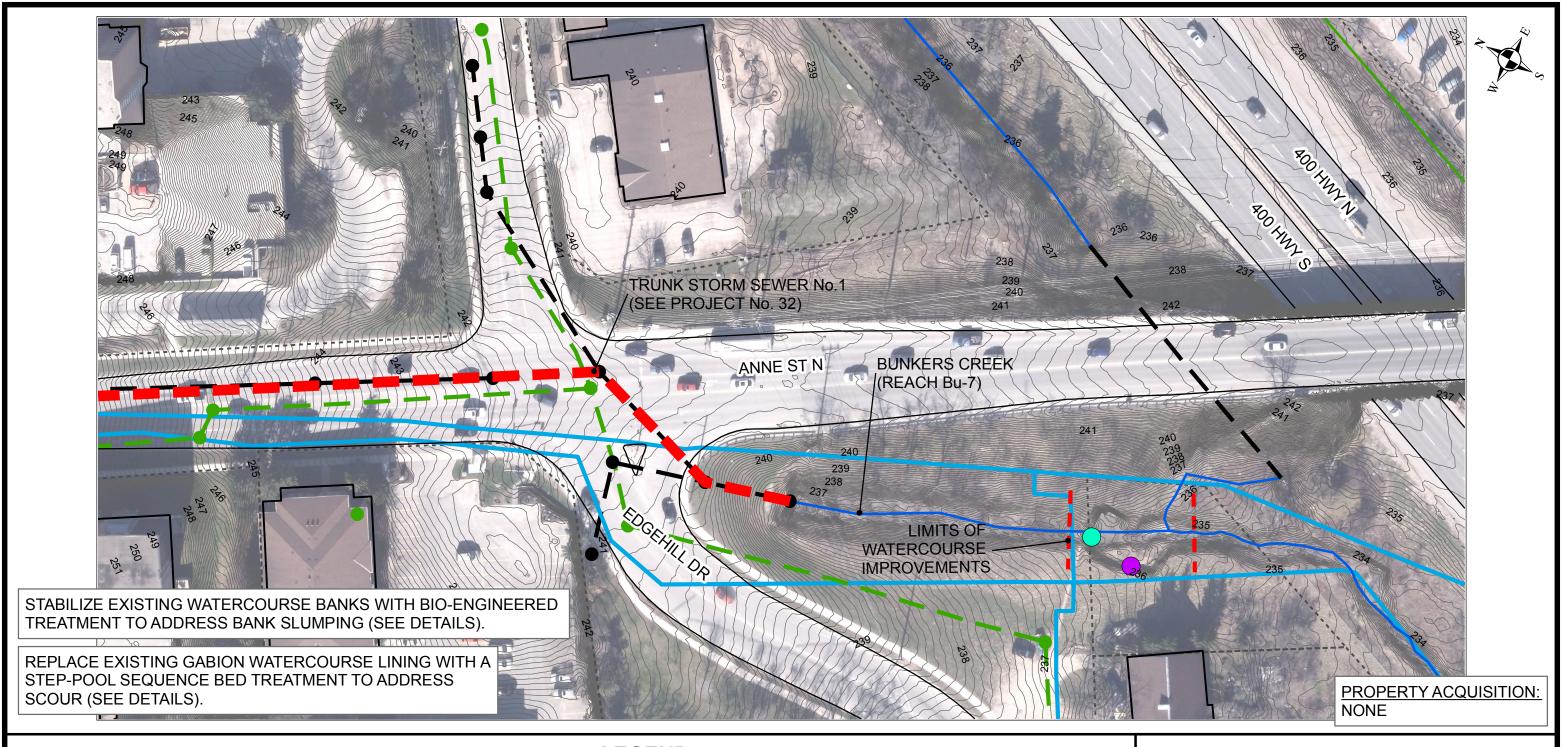
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 34 WATERCOURSE IMPROVEMENT No. 4 BUNKERS CREEK WATERSHED

SCALE = 1:1,500







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LEGEND

- BANK EROSION
- BED EROSION/ KNICKPOINT
- INFRASTRUCTURE AT RISK
- PR. STORM MAINTENANCE HOLE
- PR. STORM SEWER
- EX. SANITARY MAINTENANCE HOLE

- EX. SANITARY SEWER
- EX. WATERCOURSE

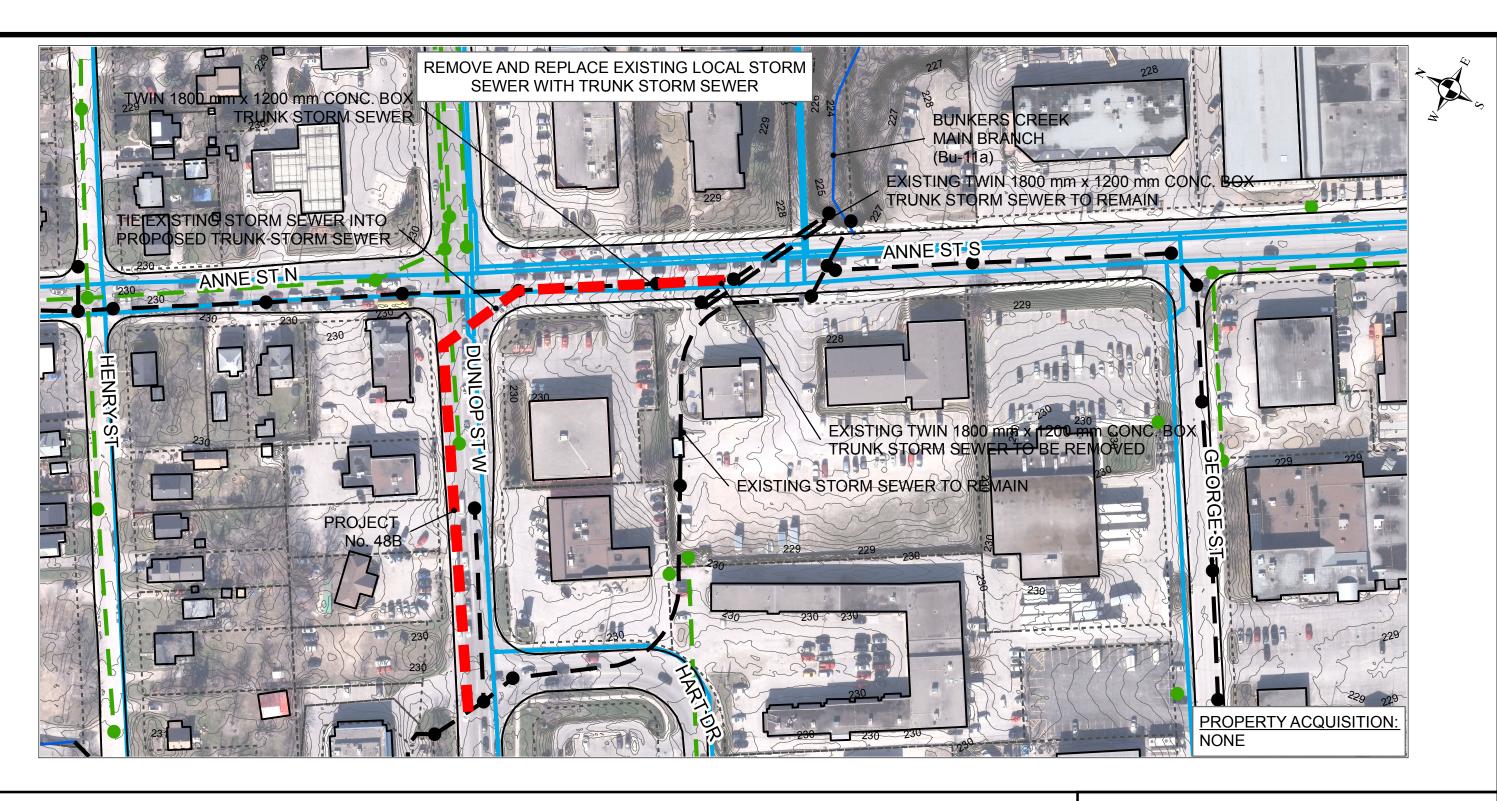
 EX. WATERMAIN
- EX. STORM MAINTENANCE
 HOLE
- EX. STORM SEWER
- EX. PROPERTY LINE

 PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 35 WATERCOURSE IMPROVEMENT No. 5 BUNKERS CREEK WATERSHED

SCALE = 1:750







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LEGEND

EX. WATERCOURSE

EX. STORM MAINTENANCE

EX. STORM SEWER

EX. PROPERTY LINE

PROPERTY ACQUISITION

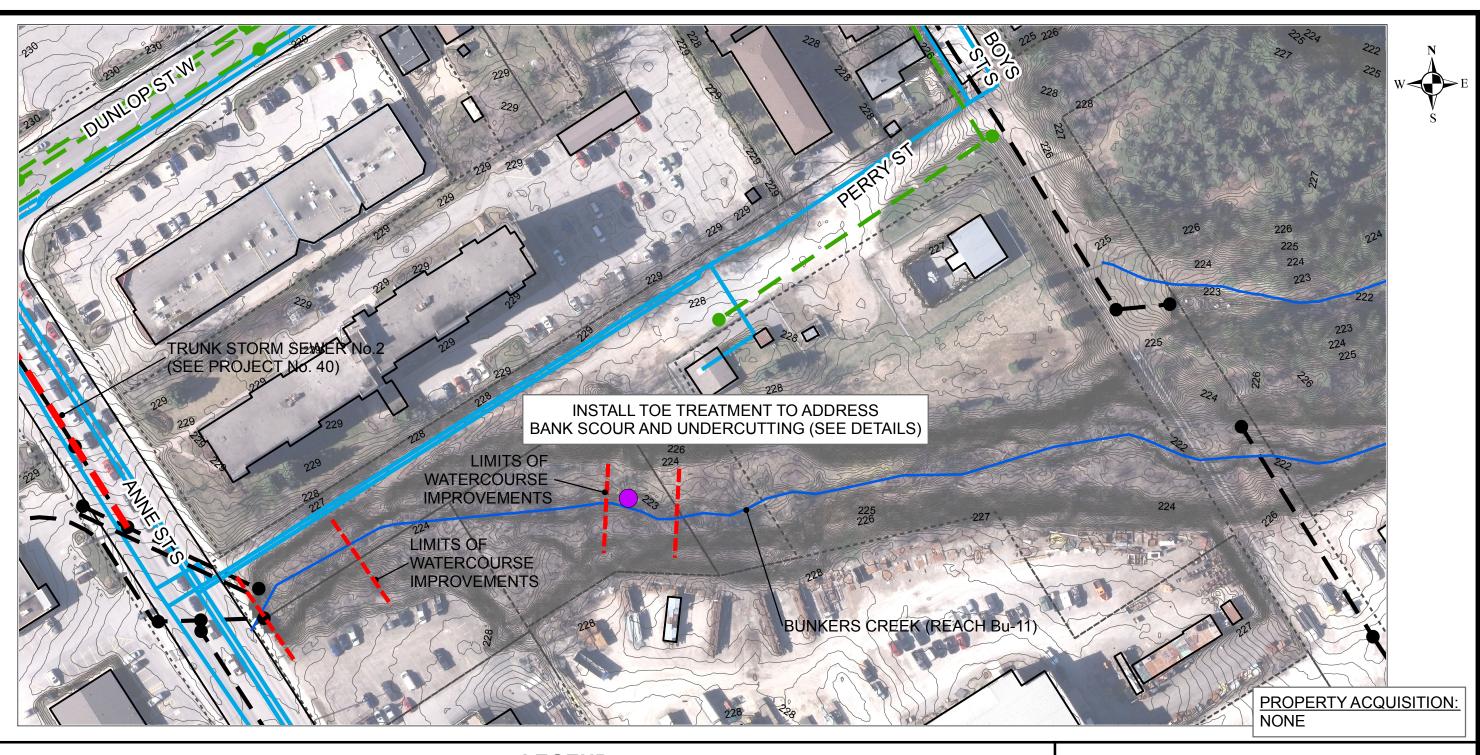
- TRUNK STORM SEWER (PREFERED ROUTE)
- EX. SANITARY MAINTENANCE HOLE
- EX. SANITARY SEWER

EX. WATERMAIN

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 40B TRUNK STORM SEWER No. 2 BUNKERS CREEK WATERSHED

SCALE = 1:1,250







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LEGEND

- BANK EROSION
- BED EROSION/ KNICKPOINT
- INFRASTRUCTURE AT RISK
- PR. STORM MAINTENANCE HOLE
- PR. STORM SEWER
- EX. SANITARY MAINTENANCE HOLE

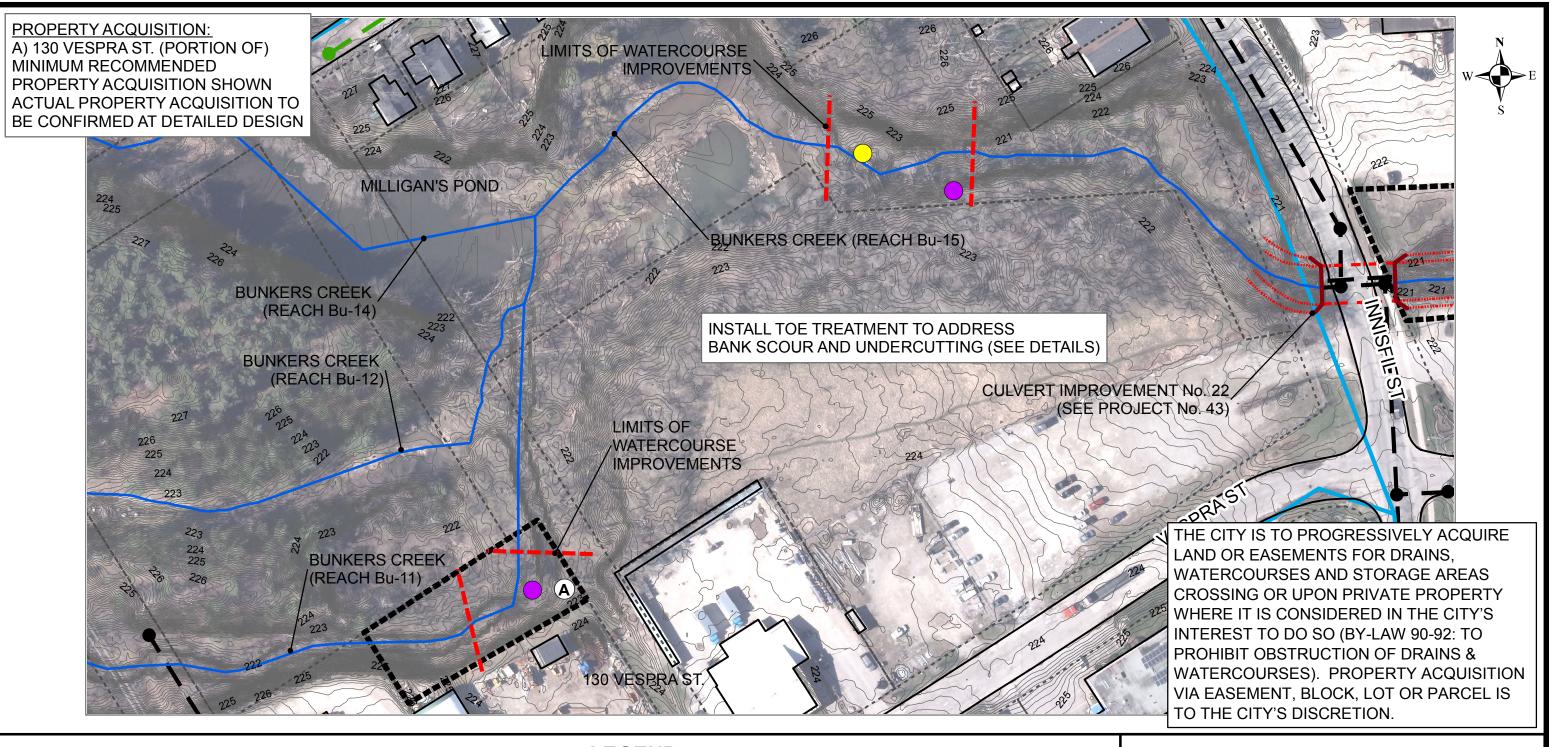
- EX. SANITARY SEWER
 - EX. WATERCOURSE

 EX. WATERMAIN
- EX. STORM MAINTENANCE
 HOLE
- EX. STORM SEWER
- EX. PROPERTY LINE

 PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 41
WATERCOURSE IMPROVEMENT No. 8
BUNKERS CREEK WATERSHED
(SHEET 1 OF 2)
SCALE = 1:1,000



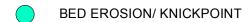




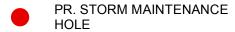
The information contained in this drawing is solely for the use of the Corporation of the City of Barrie for the purpose for which it has been prepared and Tatham Engineering Ltd. undertakes no duty or accepts any responsibility to any third party who may rely upon this drawing. This drawing may not be used for any purpose other than that provided in the Contract between the Corporation of the City of Barrie and Tatham Engineering Ltd. nor may any detail or element of this drawing be removed, reproduced, electronically stored or transmitted in any form with the express written consent of the Corporation of the City of Barrie.

LEGEND









PR. STORM SEWER

EX. SANITARY MAINTENANCE HOLE



EX. WATERCOURSE

EX. STORM MAINTENANCE
HOLE

EX. WATERMAIN

EX. STORM SEWER

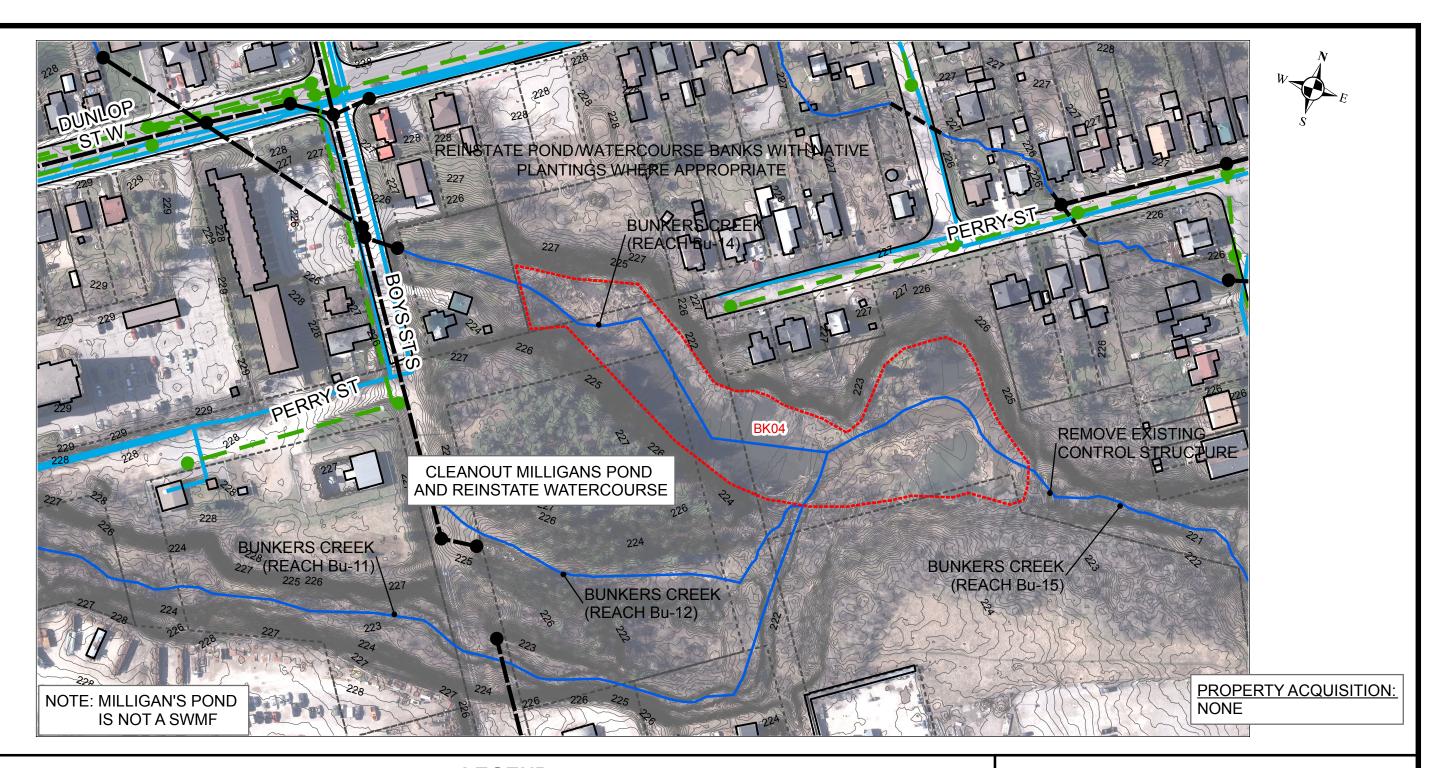
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 41
WATERCOURSE IMPROVEMENT No. 8
BUNKERS CREEK WATERSHED
(SHEET 2 OF 2)

SCALE = 1:1,000







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LEGEND

- BANK EROSION
- BED EROSION/ KNICKPOINT
- INFRASTRUCTURE AT RISK
- PR. STORM MAINTENANCE HOLE
- PR. STORM SEWER
- EX. SANITARY MAINTENANCE HOLE

- EX. SANITARY SEWER
 - EX. WATERCOURSE

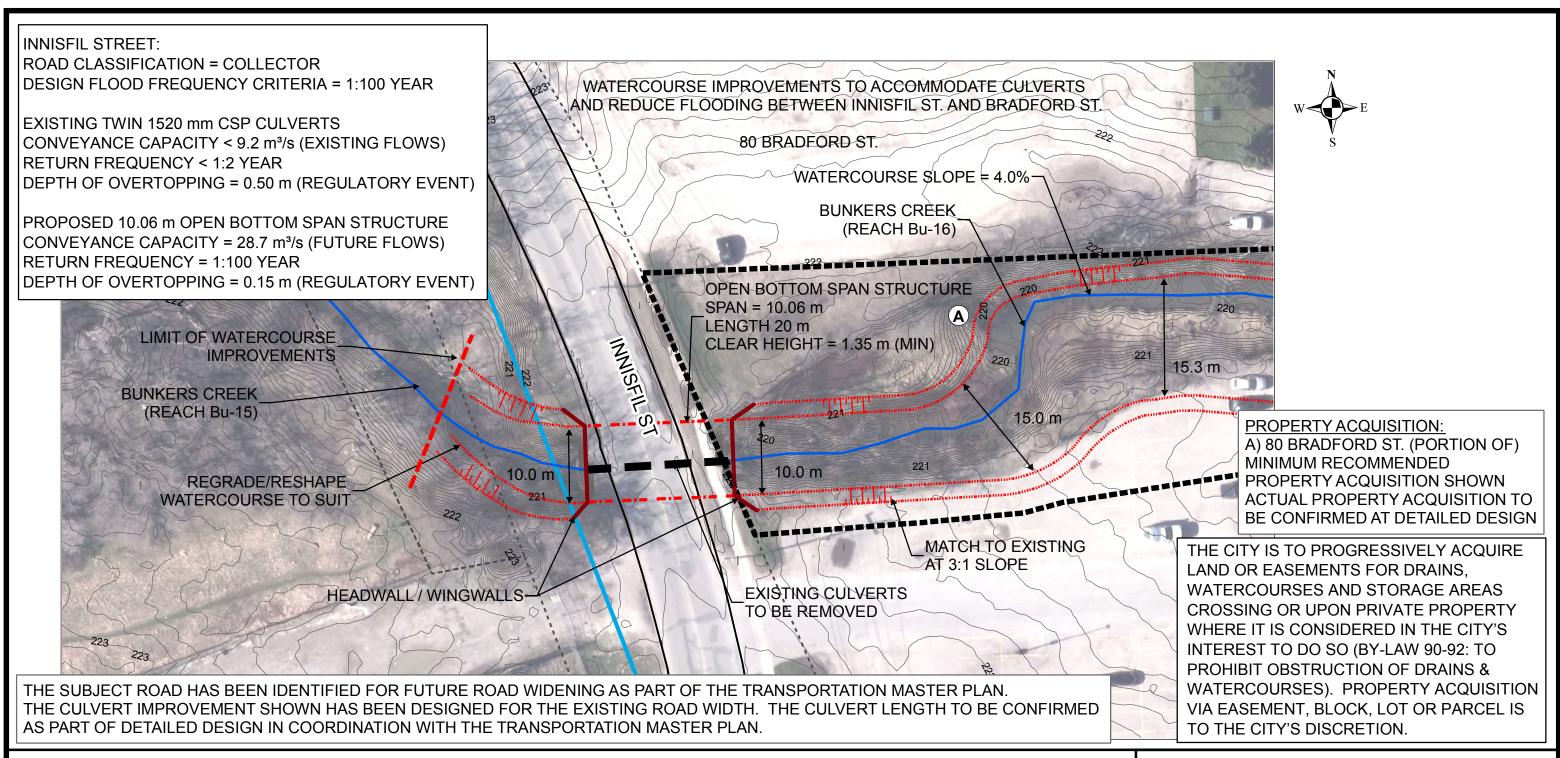
 EX. WATERMAIN
- EX. STORM MAINTENANCE
 HOLE
- EX. STORM SEWER
- EX. PROPERTY LINE

 PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 42
POND RETROFIT No. 95 (MILLIGANS POND)
BUNKERS CREEK WATERSHED

SCALE = 1:1,500







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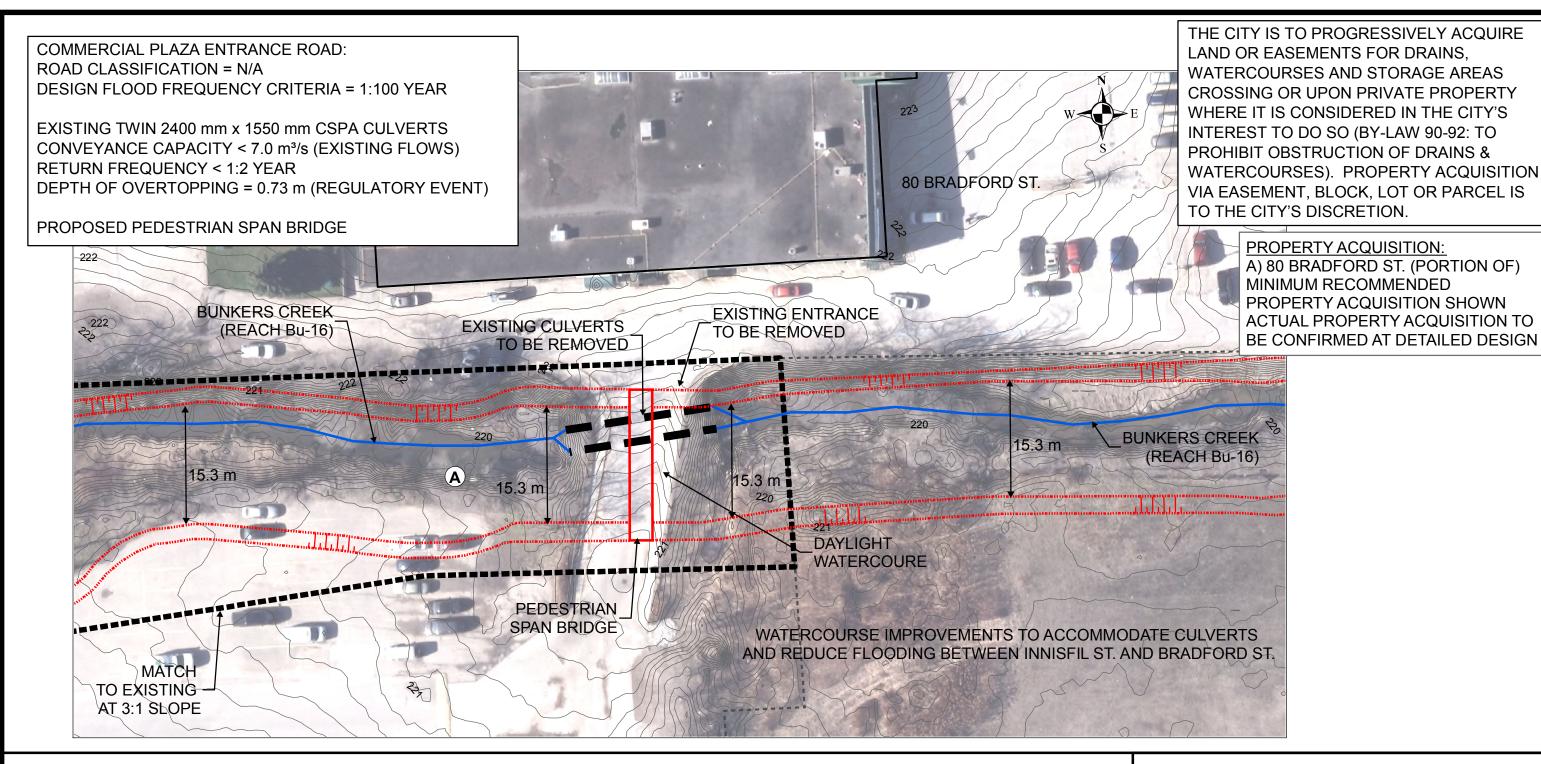
LEGEND

PR. CULVERT
PR. STORM SEWER
PR STORM MAINTENANCE
HOLE
EX. SANITARY MAINTENANCE
HOLE
EX. WATERMAIN
EX. CULVERT
EX. STORM MAINTENANCE
HOLE
PROPERTY LINE
PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 43
CULVERT IMPROVEMENT No. 22
(INNISFIL STREET)
BUNKERS CREEK WATERSHED

SCALE = 1:500





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LEGEND

--- PR. CULVERT

PR. STORM SEWER

PR STORM MAINTENANCE HOLE

EX. STORM SEWER

EX. STORM MAINTENANCE HOLE

WATERCOURSE

EX. SANITARY SEWER

EX. SANITARY MAINTENANCE HOLE

EX. WATERMAIN

■ EX. CULVERT

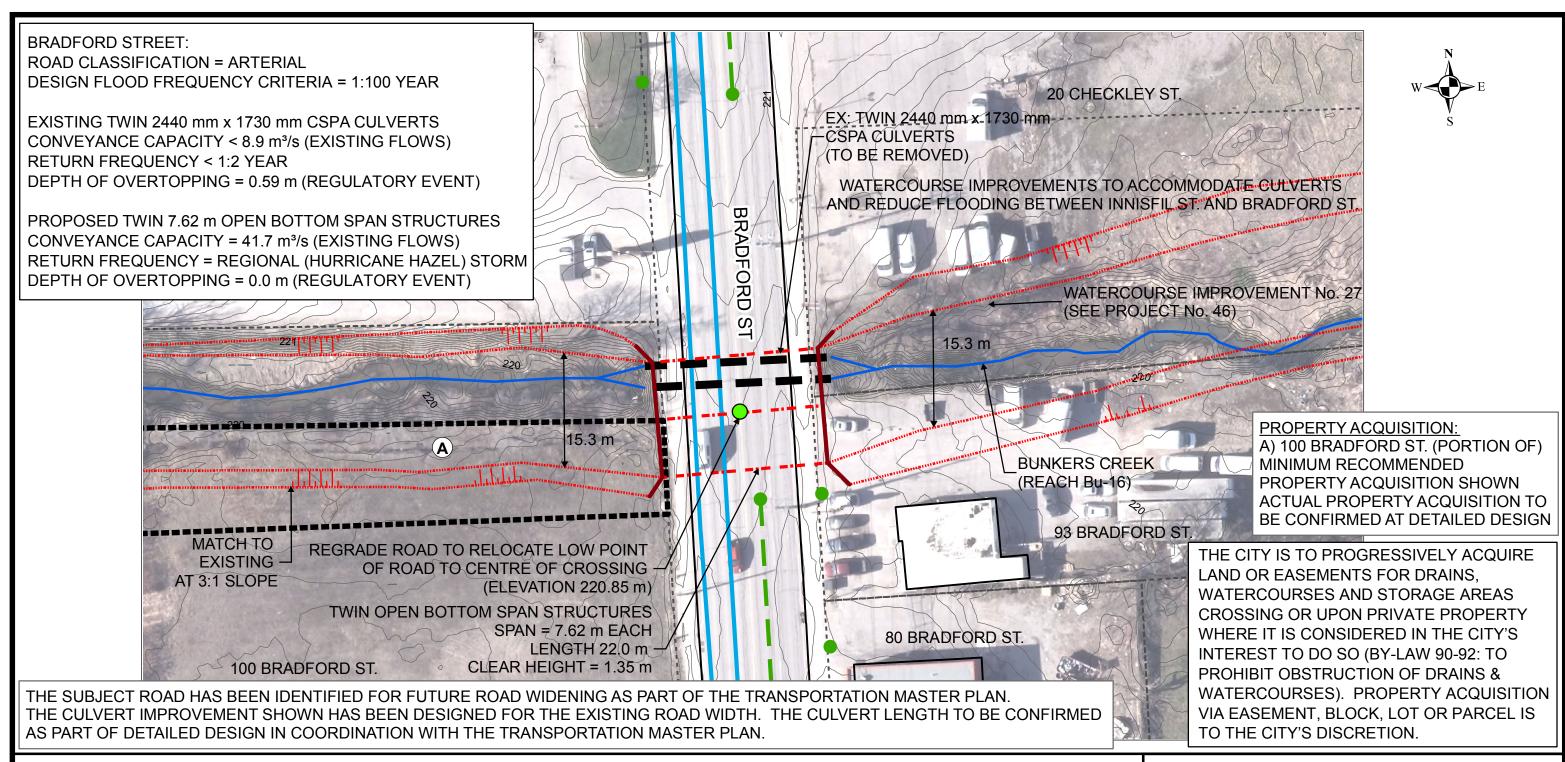
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 44
CULVERT IMPROVEMENT No. 23
(COMMERICAL PLAZA ENTRANCE ROAD)
BUNKERS CREEK WATERSHED

SCALE = 1:500





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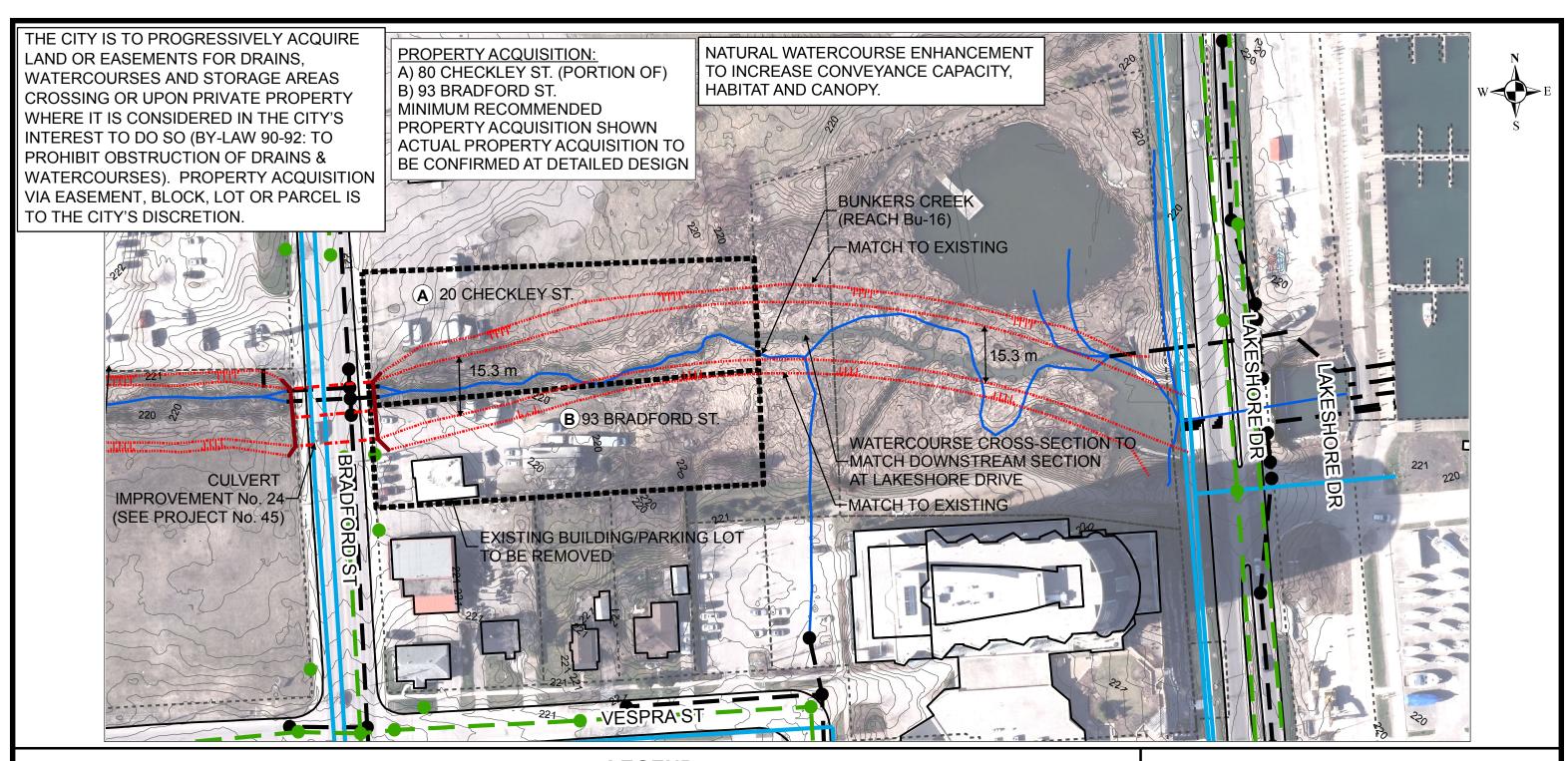
LEGEND

PR. CULVERT
PR. STORM SEWER
PR STORM MAINTENANCE
HOLE
EX. SANITARY MAINTENANCE
HOLE
EX. WATERMAIN
EX. CULVERT
EX. STORM MAINTENANCE
HOLE
PROPERTY LINE
PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 45
CULVERT IMPROVEMENT No. 24
(BRADFORD STREET)
BUNKERS CREEK WATERSHED

SCALE = 1:500







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LEGEND

- BANK EROSION
- BED EROSION/ KNICKPOINT
- INFRASTRUCTURE AT RISK
- PR. STORM MAINTENANCE HOLE
- PR. STORM SEWER
- EX. SANITARY MAINTENANCE HOLE

- EX. SANITARY SEWER
- EX. WATERCOURSE
- EX. STORM MAINTENANCE
 HOLE

EX. WATERMAIN

- EX. STORM SEWER
- EX. PROPERTY LINE

 PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 46
WATERCOURSE IMPROVEMENT No. 27
BUNKERS CREEK WATERSHED

SCALE = 1:1,000